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# ERRATA.

1,556,560, page 213, in heading, after residence of patentees, insert *said Klemin assignor to said MacMechin.*

1,556,692, page 306, first claim, lines 9 and 10, strike out the words "a portion exterior to the sleeve to control" and insert the same to follow after the word "and," line 11.

1,557,598, page 465, in heading, after residence of patentee, insert *assignor to Augustine Automatic Rotary Engine Company, Buffalo, N. Y., a Corporation of New York.*

Patent Suits, page 767, lines 19 and 20, second column, Doc. 814, for "The Gear Grinding Machine Co. v. Gear Grinding Machine Co." read *The Gear Grinding Machine Co. v. The Grant Lees Company.*

Patents Nos. 1,555,811 to 1,556,572.

# THE OFFICIAL GAZETTE

OF THE

# United States Patent Office.

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| Total | 1,006 | |

## Interference Notices.

U. S. PATENT OFFICE, *Washington, Sept. 11, 1925.*

*Importers Coffee Co., Ltd., its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Frank C. Weber & Company, of West 63d Street and Lowe Avenue, Chicago, Ill., for registration of a trade-mark and trade-mark registered August 4, 1908, No. 70,163, to Importers Coffee Co., Ltd. Tchoupitoulis Street, New Orleans, La., and a notice of such declaration sent by registered mail to said Importers Coffee Co., Ltd., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Importers Coffee Co., Ltd., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

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U. S. PATENT OFFICE, *Washington, Sept. 16, 1925.*

*C. T. Keally Co., their assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Palo Alto Orchards Company, of South Easton, Mass., for registration of a trade-mark and trade-mark registered May 23, 1911, No. 82,000, to C. T. Keally Co., Pennsylvania Lumber Product Building, Twenty-first Street, Pittsburgh, Pa., and the Office having been unable to obtain proper service upon said C. T. Keally Co., notice is hereby given that unless said C. T. Keally Co., their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

## Disclaimer.

1,476,729.—*Montagne H. Roberts*, Englewood, N. J. APPARATUS FOR OPERATING BOOSTER SUPPLEMENTED LOCOMOTIVES. Patent dated December 11, 1923. Disclaimer filed September 19, 1925, by the patentee, the assignee *Franklin Railway Supply Company*, consenting.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit, claim 1:

1. A controlling device for booster motors for locomotives comprising a moving part in the controlling mechanism for the main locomotive, a valve juxtaposed to the path of movement of said moving part, and a member adapted to maintain the valve in open position in certain predetermined positions of the moving part including a position in which steam in the main cylinders of the locomotive has begun to work expansively.

## ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,522,879, L. G. Gregory, Knob attachment for steering wheels, decided August 7, 1925, claims 1, 2, 4, and 5.

Pat. 1,533,385, L. R. N. Carvalho, Receptacle closure, decided August 21, 1925, claims 1, 2, 3, 4, 9, 10, 11, and 12.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 36,803, Pickles or preserves, W. Hunt, Seattle, Wash. Registered July 23, 1901. Decided August 1, 1925.

T. M. 74,592, Dress shields, The Kora Co., New York, N. Y. Registered July 27, 1909. Decided August 27, 1925.

T. M. 123,867, Face powder, Dr. P. Sylvestre, New York, N. Y. Registered December 10, 1918. Decided August 28, 1925.

T. M. 136,651, Dress shields, J. Stein, New York, N. Y. Registered November 2, 1920. Decided July 2, 1920.

T. M. 146,360, Prepared cloths for use on windshields of vehicles and other transparencies to prevent the accumulation of rain and moisture. Registered November 15, 1921. Decided August 18, 1925.

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## Condition of Applications Under Examination at Close of Business September 25, 1925.

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,707; Trade-Mark Division, 2,111. Oldest new case, Mar. 19, 1925; oldest amended, Mar. 23, 1925. The dates given are 1925.)

| Room No. | Divisions, Examiners, and Subjects of Inventions. | Oldest new application action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
|---|---|---|---|---|
| 116 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders. | June 29 | June 29 | 547 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | June 4 | May 1 | 495 |
| 321 | 3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | July 22 | Aug. 6 | 457 |
| 234 | 4. MERRITT, A. D., Conveyors, Chutes, Skids, Guides, and Ways; Conveyors, Fluid Current; Conveyors, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists. | June 15 | June 13 | 599 |
| 108* | 5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | Apr. 17 | Apr. 25 | 908 |
| 318 | 6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | June 4 | May 28 | 829 |
| 312 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | June 13 | June 13 | 846 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Stove Furniture | June 22 | June 17 | 1,223 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | May 18 | May 11 | 653 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | May 25 | June 6 | 958 |
| 148* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet-Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | June 13 | June 4 | 778 |
| 380 | 12. PIERCE, P. P., Machine Elements | June 4 | May 26 | 725 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | May 8 | May 16 | 695 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working. | May 28 | June 2 | 776 |
| 320 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | May 27 | June 9 | 805 |
| 240* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | May 9 | June 2 | 770 |
| 307 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | June 23 | July 9 | 338 |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | May 2 | May 4 | 780 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | May 1 | July 25 | 592 |
| 170 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking. | June 10 | June 12 | 719 |
| 312 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | May 1 | May 29 | 409 |
| 166 | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | July 15 | July 16 | 362 |
| 217 | 23. GROSSECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | Apr. 27 | May 4 | 389 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | July 1 | July 2 | 295 |
| 315 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | July 9 | June 29 | 709 |
| 228* | 26. BODGES, J. G., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | Apr. 2 | Apr. 3 | 790 |
| 214 | 27. ANDERSON, L. B., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | July 8 | July 1 | 674 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Aug. 1 | Aug. 3 | 981 |
| 160* | 29. MORRIS, B. N., Abrasives; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools | Mar. 19 | Mar. 28 | 1,159 |
| 348 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | June 10 | June 8 | 892 |
| 314 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue | July 20 | July 16 | 635 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | May 18 | May 22 | 624 |
| 182 | 33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | July 22 | July 23 | 663 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders. | May 22 | May 22 | 565 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | June 16 | June 27 | 626 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | June 1 | May 27 | 1,143 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | Apr. 28 | Apr. 29 | 1,048 |
| 145 | 38. IDE, O. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stonecutting; Wells. | Apr. 29 | Apr. 29 | 881 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | June 10 | June 17 | 411 |
| 309 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | May 25 | June 12 | 1,327 |
| 135 | 41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | June 20 | June 17 | 474 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling | Apr. 14 | Apr. 14 | 1,172 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances | May 27 | June 15 | 763 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | Apr. 16 | May 4 | 834 |
| 370 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements, Bearings and Guides | May 18 | May 29 | 716 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | May 22 | May 23 | 660 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | May 15 | May 15 | 1,335 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications | Apr. 13 | Apr. 15 | 1,583 |
| 239 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooling Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification. | May 26 | May 29 | 813 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | May 8 | May 11 | 1,113 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | May 7 | May 7 | 1,511 |
| 144 | 52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | July 2 | July 6 | 884 |
| 112 | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens. | June 24 | June 18 | 778 |
| 102 | DESIGNS: C. O. MARKHAM (Acting) | Sept. 3 | Sept. 9 | 315 |
| 163 | TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks | Aug. 17 | Sept. 5 | 1,983 |
| | (Labels and Prints | Aug. 26 | Sept. 12 | 178 |

* Refers to room numbers in the annex.



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Court of Appeals of the District of Columbia.

MELLING *v.* GORDON AND REDLIN.

*No. 1,727. Decided April 6, 1925.*

1. OPERATIVENESS—COMMERCIAL PRACTICABILITY.

Where G. and R. manufactured and sold a number of machines in accordance with the disclosure of their application at $5,000 each, and the machines were put in operation by various manufacturers, *Held* that if the machines would turn out from 80 to 90% of commercially usable cam shafts this fact indicates strongly that the machines were operative although possibly not commercially practicable on the type of cams being used.

2. SAME—SAME.

Neither the fact that M. may be able to manufacture shafts with less waste than G. and R. nor that his machine may have a wider range of utility is sufficient to deprive G. and R. of making the counts of the interference.

APPEAL from Patent Office. Affirmed.

*Mr. Fred L. Chappell* and *Mr. Otis A. Hart* for Melling.

*Mr. W. G. Henderson, Mr. E. H. Bottum,* and *Mr. J. W. Michael* for Gordon and Redlin.

Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

VAN ORSDEL, *J.:*

This appeal is from the decision of the Commissioner of Patents, awarding priority of invention to appellees, Gordon and Redlin.

The issue is in three counts described in the opinion of the Examiner in Chief, as follows:

The subject matter of the interference is a lathe for turning irregular forms specifically the cam shafts of automobile engines. In the embodiment of invention disclosed in the Melling application involved in interference the cutter is carried by a swinging lever mounted on a reciprocating carriage movable in a plane transverse to the longitudinal axis of the work holder. This movement is controlled by a pattern cam which is a replica of the cam to be formed by the cutter both as to size and outline. The movement of the cutter carrying lever is controlled by an additional cam. In the Gordon and Redlin machine disclosed in the application involved in interference the main cutter carrying member is a swinging cam controlled lever. The cam which moves the lever towards the work is not a replica of the cam to be formed. The movement of the cutter carrier proper is controlled by a second cam actuated lever having a segmental rack engaging teeth on the cutter carrier and moving the cutter in an arc as the formation of the cam progresses.

The testimony discloses that there is no case of priority of invention here presented. Melling admits that he took no steps toward making the invention until after he had seen, at the factory of the Jackson Motor Shaft Company, in Jackson, Michigan, a Gordon and Redlin machine which was constructed in accordance with the disclosure of their application involved in this interference. Indeed Melling admits that all dates named in his preliminary statement are subsequent to the time when he saw the Gordon and Redlin machine.

Melling, however, moved to dissolve the interference on two grounds: First, that Gordon and Redlin had no right to make the counts of the interference; second, on the ground that the issue is unpatentable in view of the prior art. On these issues Melling was defeated in all the tribunals of the Patent Office. We will not stop here to consider the question of patentability in the light of the prior art. That matter is not for our consideration in an interference proceeding. This narrows the case, therefore, to the question of the right of Gordon and Redlin to make the counts of the interference. The issue is stated in three counts. Count 1 was formulated by the Examiner and based upon a claim originally appearing in the Melling application. Counts 2 and 3 are claims originally made by Gordon and Redlin.

On the question of inoperativeness the evidence discloses that Gordon and Redlin manufactured and sold quite a number of machines in accordance with the disclosure of their application. The price of the machines was $5,000 each. The expense of producing the machines, and the fact that a number of machines were sold and put into operation by various automobile manufacturers, is significant as bearing upon the question of operativeness.

[1] The record discloses that Gordon and Redlin encountered difficulty in making their machines operate satisfactorily from a commercial standpoint, in that only from 80 to 90% of the cam shafts turned out were commercially usable. It further appears that there was excessive waste or scrap in the manufacture of the machines. The scrap, as one witness testified, amounted to from 10 to 12%, and another witness estimated as high as 20%. By scrap was meant that this percentage of shafts were not turned out with sufficient accuracy to be used commercially. We, however, agree with the Board of Examiners in Chief, that if the Gordon and Redlin machine would turn out from 80 to 90% of commercially usable cam shafts we think this fact indicates strongly that the machine was operative although possibly not commercially practicable on the type of cams being turned. There is a clearly recognized distinction between inoperativeness and commercial impracticability

This defect, however, was largely overcome by a second machine constructed by Gordon and Redlin.

[2] Melling's whole case resolves itself into an attempt to secure an award of priority on the alleged superiority of his invention over that of Gordon and Redlin, but neither the fact that Melling may be able to manufacture shafts with less waste than Gordon and Redlin, or that his machine may have a wider range of utility, are sufficient to deprive Gordon and Redlin of making the counts of the interference. Neither wider range of utility nor better work are sufficient to deprive Gordon and Redlin of their right to the claims in issue.

The tribunals of the Patent Office were unanimous in sustaining the operativeness of the Gordon and Redlin machine, and with their reasoning and conclusions, we fully agree.

The decision of the Commissioner of Patents is affirmed.

## Court of Appeals of the District of Columbia.

LINDSEY v. BERGNER.

*No. 1,732. Decided June 1, 1925.*

INTERFERENCE—PRIORITY—REDUCTION TO PRACTICE—DILIGENCE.

Where the witnesses for L., the junior party, are practical men and their testimony leaves no room for doubt that they not only understood the disclosures made to them before B. entered the field, but that they were familiar with the development of L.'s early conception, and where the testimony is reasonable and consistent and bears all the earmarks of verity, L. should not be deprived of his reward as the prior inventor unless chargeable with unreasonable delay in perfecting the invention.

APPEAL from Patent Office. Reversed.

*Mr. W. S. Graham* and *Mr. Harry F. Riley* for Lindsey.

*Mr. Frank B. Fox* for Bergner.

Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

ROBB, *J.*:

Appeal from the decision of an Assistant Commissioner of Patents in an interference proceeding awarding priority to the party Bergner, the Examiner of Interference and the Board of Examiners in Chief having awarded priority to the party Lindsey.

The invention is an appliance for frying doughnuts, consisting of a shallow pan containing a spiral channel. This pan is supplied with oil heated to the proper temperature. The raw doughnut is placed in the center of the pan, quickly comes to the surface, and is carried by the current through the spiral channel to the outside of the pan. At a predetermined point it is turned, that it may be fried on the other side. The operation is so timed that the doughnut is supposed to be completely cooked when it reaches the outside of the pan, at which point there is an ejector device. As long, therefore, as uncooked doughnuts are supplied at the center and the machine properly functions, the process will be continuous.

It appears from the testimony that it was the intent of each party to develop a window display machine. The issue is expressed in three counts, of which the first, here reproduced, is sufficiently illustrative:

1. In apparatus for cooking free articles in hot fluid the combination of a receptacle for the fluid; and means for circulating the fluid and for progressing the articles over a gyratory course in the receptacle, under propulsion by the fluid, including a guide extending spirally outward from the center of the receptacle to its periphery.

Bergner's application was filed July 10, 1919, and Lindsey's on October 7, 1919. Bergner is a draftsman and specification writer in a patent-law office and, so far as this record discloses, has no practical knowledge of the art. He conceived the invention May 6, 1919, and soon thereafter prepared drawings and filed his application. The record does not disclose that he ever marketed a machine.

Lindsey was thoroughly skilled in this field, having been engaged in the manufacture and sale of window display devices in the bakery art. We will here briefly review the evidence introduced in support of his case:

A Mr. Patrick J. Shortt, an expert baker, testified that shortly before Christmas of 1918, in a conversation he had with him, Mr. Lindsey told him—

he had an idea of an automatic doughnut machine, and he asked me questions * * * pertaining to the manufacture of doughnuts; after he elicited the information he said the reason he asked the information was because he had an idea of a doughnut machine where the doughnuts were carried in a current of fat—around through the grease, and were carried automatically to the delivery.

In cross-examination this witness was asked what he knew about doughnuts, and replied:

What did I know about cooking doughnuts? I spent 25 years—or 20 years or 23 years at that time in the manufacturing of doughnuts and all lines of bakery goods.

Mr. Daniel Beck, a graduate of Cornell with an A. M. E. degree, had known Mr. Lindsey since the fall of 1914. He was shown a drawing of the Lindsey application and asked whether he ever discussed such a machine with Lindsey. He replied that he had in the early part of April, 1919. He had been told that Lindsey was at work on such a machine and said to him, "I hear you have a doughnut machine in mind" and Lindsey "said 'Yes' and he immediately began to tell me some of the details." The witness was then asked to describe the details, and replied:

As near as I remember, he said that the doughnuts were to be formed in a hopper or depositor of some sort, and were to be deposited in a hot stream of oil. This oil was to be maintained in a channel, the oil to be—of course, started at the source, and was to be returned to the source—he did not say by a pump, but I imagine there was to be a pumping proposition, and some time during the course of the stream of oil the doughnut was to be automatically turned, so it would fry on the other side; as to the exact details he did not go into those. * * * At the end of the channel the doughnut was to be taken from the oil by some kind of a conveyor.

When asked how he fixed the date of the discussion, witness said:

I went to Chicago about the latter part of April, I think it was the 26th of April, and it was before I left for Chicago, if I remember distinctly, it was several weeks before I left.

The cross-examination of this witness strengthened rather than weakened his testimony.

Mr. C. F. Switzer, who at the time of the occurrences about which he testified was sales manager for the Johns-Manville Co., located across the street from the shop in which the Lindsey experiments were being conducted, testified that he had access to this shop as he sold materials to Mr. Lindsey's company and in April of 1919 saw "this spiral pan arrangement" and later—

saw one of the gem machines in there (shop), and from time to time I used to try some of the Bake-Rite doughnuts that had been made in there.

It may be noted here that Mr. Lindsey was president of the Bake-Rite Oven Mfg. Co.

Mr. J. Sank had been intimately acquainted with Mr. Lindsey since 1915, through association with him in various projects, but when he testified was not connected with Mr. Lindsey or his company in any way. This witness testified that he served in the Army and was located at Angel Island from the 3d of October to the 11th of December, 1918, and during that time, while on leave, he visited Mr. Lindsey at his place of business. He was shown a copy of the Lindsey drawing and asked whether he recognized what it indicated. Answering in the affirmative, he then was asked, "What is it?" He replied, "That is a cooker—this is his doughnut machine." He then was asked whether he had discussed it with Mr. Lindsey, and answered: "Yes, lots of times"; that the first time was while he was in the Army and that the conversation occurred in Lindsey's office. Asked to state the circumstances of the conversation, witness said:

Well, he drew on the back of an envelope a spiral and told me that that was a cooker for his doughnut machine, and the doughnuts were to be dropped in the center of it, and at some point they were to be turned over and removed from the oil.

Witness further stated that he was employed by the Bake-Rite Co., from about March 1, 1919, until Christmas of that year, with the exception of a few weeks in August, and that he did shop work on Lindsey's doughnut machine. On cross-examination he was asked what he meant by "doughnut machine," and replied:

Why, Mr. Lindsey's doughnut machine, this machine—this one. That this is a part of a drawing of.

In answer to the question "When you say 'this one, that this is a part of a drawing of,' what do you refer to?" witness answered:

I mean—there is still a cutter that belongs to that machine that is not shown in the drawing.

(The "cutter" is not one of the elements of the counts here.) Asked how long he worked on this machine at the Bake-Rite shop, witness replied that sometimes he worked on it for three or four days at a time and then again for one day or less. In response to a question as to whether he recalled any date when he saw the machine cook doughnuts, witness stated:

Well, in the summer of 1919—maybe it was before August or after August, I cannot say.

that the cooking was done in the shop of the Bake-Rite factory.

Mr. S. A. Kitchener, an officer of the Bake-Rite Co., testified in considerable detail as to disclosures of the invention made to him by Lindsey in December of 1918 and as to the subsequent development of the invention. Mr. Lindsey, in his testimony, stated in detail his activities in developing this invention.

All this testimony is reasonable and consistent and bears all the earmarks of verity. As we perceive no ground for discrediting either Mr. Lindsey or his witnesses, we must find, as did the Examiner of Interferences and the Board of Examiners in Chief, that Lindsey had conceived this invention long before Bergner's entry into the field and that Lindsey was reasonably diligent early in May of 1919, when Bergner's activities commenced. Lindsey undoubtedly had practically perfected a machine embodying the counts of this issue prior to Bergner's entry into the field and therefore might have applied for a patent thereon, but such a machine was not considered practical by either party. What each desired was a complete machine, including a depositor. As soon as this was constructed and the efficiency of the machine demonstrated, the application was filed. Indeed, instructions to file were given some time in advance of the actual filing date, which, as we have seen, was less than three months later than the filing date of Bergner.

Lindsey's witnesses were practical men and their testimony leaves no room for doubt that they not only understood the disclosures made to them but that they were familiar with the development of Lindsey's early conception. In such a situation, the prior inventor should not be deprived of the fruits of his invention unless chargeable with unreasonable delay in perfecting it, which is not the case here. That the Assistant Commissioner entertained some doubt as to the equity of his decision is apparent, for he says:

It is regrettable that one who first began to produce a valuable invention should fail to secure the benefits of his labor, but it is impossible to make a clear case for Lindsey without reading between the lines to an unwarranted extent.

We are unable to follow the Assistant Commissioner in his suggestion that it is necessary to read between the lines in order to find for Lindsey, since it seems clear to us that the testimony we have reviewed demonstrates beyond a doubt that Lindsey was the prior inventor. On the question of diligence, see *Courson* v. *O'Connor*, 181 O. G. 544; 1912 C. D. 540; 38 App. D. C. 484; 227 Fed. 890.

The decision is reversed and priority awarded to the party Lindsey.

Reversed.

## Court of Appeals of the District of Columbia.

IN RE HENRY.

*No. 1,733. Decided June 1, 1925.*

ANTICIPATION—SOLUTION OF REAL PROBLEM—COMBINATION OF REFERENCES—REMOTELY-RELATED ARTS—PREVIOUS FAILURE.

Where the applicant was concerned with a real problem which he solved through a very ingenious combination of old elements, some of which were taken from unrelated, or at least remotely related, arts, *Held* that to deny him protection on the theory that anyone could have accomplished the same result, although the experts in the art had failed to do so, would be violative of the spirit and purpose of the patent law.

APPEAL from Patent Office. Reversed in part.

*Mr. Melville Church*, *Mr. H. E. Stouffer*, and *Mr. C. B. Des Jardines* for Henry.

*Mr. T. A. Hostetler* for the Commissioner of Patents.

Before MARTIN, C J., ROBB, J., and VAN ORSDEL, J.

ROBB, *J.*:

Appeal from a Patent Office decision rejecting claims Nos. 1, 7, 10, 11, and 14 of appellant's application. Claim 10 is reproduced as most representative of the group:

10. The process of reproducing the grain of wood on a solid surface, which consists in producing a photographic negative of the wood to be simulated; producing from the negative a grained plate, the masses (it is agreed that the word should be "recesses" instead of "masses") produced by the graining varying in depth with the shade to be produced and arranged to simulate the graining of the original material; filling the plate with coloring matter; withdrawing the coloring matter from the recesses of the grained plates by

means of an elastic roller to which the coloring matter adheres; transferring the coloring matter from the elastic roller to the surface to be grained; merging the masses one into the other so as to obliterate the lines of union.

Appellant is an employee of The National Cash Register Company, manufacturers of cash registers inclosed within steel casings or cabinets. There came to be a demand for the finishing of these cabinets or casings in imitation wood grain, to correspond to the natural wood finishing of the stores in which the cash registers were to be used. The problem of evolving a process for accomplishing this was intrusted to Henry. His prior knowledge of the art, supplemented by a further investigation, disclosed no satisfactory process by which the desired result could be accomplished. The only prior patent in this particular art was that to Herzog, No. 700,498, dated May 20, 1902. In his specification Herzog says that his invention relates to painting machines for imitating the grain of wood by transferring its design from one surface to another. He proposed to accomplish this result by first selecting a model or master board, spreading a stain or color evenly over this board, scraping or wiping the surface clean of any surplus of color, passing a roller over it and thereby transferring to the soft surface of the roller an impression of the grain marks of the model board. The impression on the roller is then transferred to the surface to be treated or "painted." Herzog neither contemplated nor suggested removing pith from the pores of the master board so as to reproduce the irregularities of the surface and thus make a contrasting color pattern which might be transferred to the surface to be finished. In other words, Herzog had no conception of producing an etched master board. Herzog's process was found by appellant to be incapable of producing the desired result, and it is not contended by the Patent Office that, in and of itself, this process anticipates that of appellant. It is significant that, although Herzog's patent was more than 20 years old when appellant entered the field, the process there disclosed had not been adopted by manufacturers of cash registers.

Henry conceived the idea of photographing a piece of natural wood and preparing therefrom an etched metal plate of varying depth, corresponding to the color shades or tones upon the original wood. This idea he obtained from the Rembrandt photogravure process. Having prepared this etched or master plate, Henry then employed the roller disclosed by Herzog, the result of which was something far in advance of anything theretofore achieved. Samples of cash registers finished under this process and submitted to the court on hearing disclosed that the imitation of natural wood graining was so close as to render it difficult to distinguish the real from the artificial. The process was immediately adopted and has been received with great favor by the public.

We start with two outstanding facts: First, appellant has made a distinct and valuable contribution to the art, and, second, his application has been rejected not upon any one patent but upon several. In other words, now that a new result has been achieved, it is contended that any one skilled in the art, at any time during the many years that have intervened between the dates of issuance of the various patents relied upon and appellant's achievement, without the exercise of anything more than mechanical skill might have produced the same result. We have frequently suggested that it is much easier to follow a blazed trail than to make it. After a problem has been solved its former difficulties are not so apparent and it is not hard to find those persons who confidently assert that their failure to solve the problem is due solely to the fact that it has not received their attention. The object of the patent law is to reward those who do successfully give these problems their attention and who make real contributions to the useful arts. *Carnegie Steel Co.* v. *Cambria Iron Co.*, 99 O. G. 1866; 1902 C. D. 592; 185 U. S. 403.

The Herzog reference already has been discussed. The second reference was the patent to Saalburg, No. 923,799, dated June 1, 1909. That patent was for "a certain new and useful improvement in processes of making pictures", an unrelated art, and may be dismissed with the observation that Henry does not claim to have invented the method of making an etched plate. His conception was the idea that he might use such a plate in the wood-graining art and thus eliminate the defects resulting from the use of the master board disclosed by Herzog. What we have said as to the Herzog patent applies with equal force to the British patent to Leicester, No. 13,987, dated in 1914.

We come now to the last reference, an article in the London Times under date of September 10, 1912, bearing the heading "Rembrandt photogravure". This article relates to the art of printing photographs, not to the wood-graining art, and in our view contains no information that is not to be found in the patents to Saalburg and Leicester. Appellant's problem went beyond the mere printing of a picture. His task was to transfer to a more or less irregular metal surface a facsimile of the intricate grains of wood. As already indicated, he conceived the idea of employing this etched plate in combination with the Herzog roller and thus produced a new and useful result. The following suggestions of the Court in the *Carnegie Steel Co. Case* (185 U. S. 403) are apposite here:

> Some of the expressions, taken by themselves, seem to foreshadow the Jones idea; but there was nothing to any of these discussions that filled the requirements of the law (Rev. Stat. Sec. 4886) of a description in a publication sufficient to anticipate the patent.

Moreover, it is the policy of this court, even in doubtful cases, to resolve the doubt in favor of the applicant. *In re Eastwood*, 144 O. G. 819; 1909 C. D. 413; 33 App. D. C. 291; *Re Herbeck*, 191 O. G. 586; 1913 C. D. 405; 39 App. D. C. 535. Here appellant was concerned with a real problem which he has solved through a very ingenious combination of old elements, some of which were taken from unrelated, or at most remotely related, arts. To deny him protection on the theory that any one could have accomplished the same result, although the experts in the art had failed to do so, would be violative of the spirit and purpose of the patent law.

The decision is reversed as to claim 10, which, as we have indicated, will sufficiently protect appellant's invention. Reversed as to claim 10.



## ADJUDICATED PATENTS.

(D. C. N. Y.) The Shryock patent, No. 1,172,173, for timer for internal-combustion engines, *Held* valid, but not infringed. *Turner* v. *Spinner*, 6 F. (2d) 172.

(C. C. A. Pa.) The Clark patent, No. 1,345,073, for automobile headlight lens, *Held* not to involve invention. *Columbia Lens Co.* v. *L. E. Smith Glass Co.*, 6 F. (2d) 97.

## PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

824,809, L. D. Pickett, Lubricator, final decree Apr. 28, 1925, claims 1, 2, and 4 not infringed, appealed to circuit court of appeals July 8, 1925, D. C., N. D. Ohio (E. Div.), Doc. 738, *L. D. Pickett* v. *The F. B. Stearns Co.*

866,306, E. R. Robinson, Switch, bill dismissed by plaintiff July 11, 1925, D. C., M. D. Pa., Doc. 440, *S. Hoffman* v. *Bethlehem Steel Co.*

958,478, W. H. Davey, Process of reenforcing trees, suits filed July 15, 1925, D. C. N. H., Doc. E 188, *The Davey Tree Expert Co.* v. *R. S. Green*, and Doc. E 189, *The Davey Tree Expert Co.* v. *C. L. Harkins.*

974,212, Turner & Crabill, Buffer for automobile, suit filed July 10, 1925, D. C., E. D. Mich. (S. Div.), Doc. 1100, *The Central Brass & Fixture Co.* v. *The C. G. Spring & Bumper Co.*

1,007,757, A. Voigt, Mounting for sliding door; 1,136,631, same, Separator and track for sliding doors, suit filed July 9, 1925, D. C., S. D. N. Y., Doc. E 32/343, *A. Voigt* v. *A. P. Gulotta et al.*

1,038,227, N. Sulzberger, Chewing gum containing pharmaceutical preparations, suit filed July 10, 1925, D. C., E. D. Mich. (S. Div.), Doc. 1102, *Health Products Corp.* v. *G. Best (The Grant Co.).*

1,090,776, H. H. Boyce, Indicating system and apparatus for internal-combustion engines, suit filed June 8, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4912, *H. H. Boyce et al.* v. *Electro Chemical Refineries, Inc.*

1,136,681. (See 1,007,757.)

1,164,319, M. Stieler, Concrete form, suit filed June 20, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4933, *The Heine Chimney Co.* v. *The Rust Engineering Co.*

1,284,626, W. A. Foss, Artificial bait and hook; 1,284,627, 1,285,900, same, Artificial bait, interlocutory decree for plaintiff (notice dated July 10, 1925), D. C., W. D. Mich. (S. Div.), Doc. 1962, *W. A. Foss* v. *J. Heddon's Sons.*

1,284,627. (See 1,284,626.)

1,285,900. (See 1,284,626.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; Re. 14,667, F. D. Winkley, Lubricating system, interlocutory decree (pro confesso) June 8, 1925; bill dismissed without prejudice as to Re. 14,667, Patents 1,307,733 and 1,307,734 held valid and infringed; injunction granted; D. C., N. D. Ohio (E. Div.), Doc. 1371, *The Bassick Mfg. Co.* v. *W. H. Whittle (Whittle Tire Sales Co.).* Same, final decree dismissing bill June 25, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1372, *The Bassick Mfg. Co.* v. *Biggs Tire Supply Co.*

1,307,734. (See 1,307,733.)

1,326,142, B. H. Skelly, Force-feed lubricator, suit filed July 11, 1925, D. C., S. D. N. Y., Doc. E 32/350, *Bowes Products Corp.* v. *Bejur Lubricating Corp.*

1,373,186, G. H. Forsyth, Disk wheel; 1,405,645, W. E. Williams, Disk wheel for automobiles; 1,402,029, same, Metal disk wheel; 1,402,032, same, Steel disk wheel for automobiles, suit filed July 10, 1925, D. C., E. D. Mich. (S. Div.), Doc. 1101, *Steel Wheel Corp.* v. *Wire Wheel Corp. of America.*

1,385,741, J. W. Dillon, Sound deadener for building structures, suit filed June 19, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4932, *Guaranty Trust Co. of New York et al.* v. *F. H. Early.*

1,402,029. (See 1,373,186.)

1,402,032. (See 1,373,186.)

1,405,645. (See 1,373,186.)

1,434,576, L. J. Wertheimer, Heating bag, final consent decree July 8, 1925, bill dismissed, D. C., N. D. Ohio (E. Div.), Doc. 1066, *Everhot Chemical Corp.* v. *The B. F. Goodrich Co.*

1,519,046, J. C. Pewther, Antirattler, decree July 6, 1925, granting perpetual injunction against defendants, E. D. and J. J. Jeter, dismissed as to defendants Fowler Supply Co., L. D. Fowler, and Oklahoma Spring Bed Mfg. Co., D. C., W. D. Okla. (Guthrie), Doc. E 713, *J. C. Pewther* v. *Fowler Supply Co. et al.*

1,520,764, Nathansen & Behm, Method of making seamless pipe connection, suit filed June 16, 1925, D. C., N. D. Ill., (E. Div.), Doc. 4916, *O. A. Zinke et al.* v. *Tyrex Auto Radiator Mfg. Co. et al.*

1,522,138, W. Ord, Machine and method for compacting and surfacing concrete and similar pavements, suit filed June 17, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4937, *A. W. French & Co. et al.* v. *Lakewood Engineering Co.*

Re. 14,667. (See 1,307,733.)

Des. 48,450, Kellner & Worms, Knitted necktie, final decree dismissing bill on its merits July 13,

1925, D. C., S. D. N. Y., Doc. E 26/244, *Franklin Knitting Mills, Inc.*, v. *Gropper Knitting Mills, Inc.*

Des. 52,962, A. L. Pashek, Tire, final decree June 25, 1925, dismissing bill, D. C., N. D. Ohio (E. Div.), Doc. 971, *A. L. Pashek* v. *Dunlop Tyre & Rubber Co. et al.*

Des. 57,423, P. I. Ansorge, Lighting-fixture part, final consent decree sustaining patent and granting injunction July 15, 1925, D. C., S. D. N. Y., Doc. E 31/296, *Empire Lighting Fixture Co., Inc.*, v. *Janick-Sirken Co., Inc.*

Des. 60,740, L. Siderman, Stocking, consent decree and license agreement, injunction granted June 8, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1102, *L. Siderman* v. *M. I. Roth* (*M. I. Roth Hosiery Mills*).

Des. 65,539, W. Ostwald, Electric-fixture wall plate, suit filed June 18, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4930, *Unique Lamp & Casting Co.* v. *Triangle Electric Co.*

Des. 67,004, Des. 67,006, W. Abrams, Lamp base, suit filed June 17, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4928, *Advance Parcholite Corp.* v. *I. E. Levinson et al.*

Des. 67,006. (See Des. 67,004.)

Des. 67,358, Des. 67,360, Des. 67,361, Des. 67,364. L. Severus, Spindle for lighting fixture, suit filed June 18, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4929, *Art Lamp Mfg. Co.* v. *Carson, Pirie, Scott & Co.*

Des. 67,360. (See Des. 67,358.)

Des. 67,361. (See Des. 67,358.)

Des. 67,364. (See Des. 67,358.)

T. M. 159,609, Broderick & Bascom Rope Co., Vehicle towline, suit filed July 13, 1925, D. C., N. D. Ohio (W. Div.), Doc. E 565, *Broderick & Bascom Rope Co.* v. *The Cline Florsheim Corp.*

## TRADE-MARKS CANCELED.

50,015. Stogies. R. & W. Jenkinson Co., Pittsburgh, Pa. Registered February 27, 1906. Canceled September 16, 1925.

54,121. Ale. Suffolk Brewing Company, Boston, Mass. Registered June 19, 1906. Canceled September 17, 1925.

55,252. Ale. Suffolk Brewing Company, Boston, Mass. Registered August 7, 1906. Canceled September 17, 1925.

57,662. Ale. Suffolk Brewing Company, Boston, Mass. Registered November 27, 1906. Canceled September 17, 1925.

100,079. Sterile solutions for intramuscular and hypodermic injections. Coleman Bardos, jr., New York, N. Y. Registered October 6, 1914. Canceled September 17, 1925.

102,098. Beds. Hill and Dreyer Mfg. Co., Los Angeles County, Calif. Registered January 26, 1915. Canceled September 17, 1925.

129,611. Liniment. Lottie G. Beal, Jonesport, Me. Registered March 9, 1920. Canceled September 17, 1925.

135,082. Cereal malt beverage. Suffolk Brewing Company, Boston, Mass. Registered September 21, 1920. Canceled September 17, 1925.

135,083. Cereal malt beverage. Suffolk Brewing Company, Boston, Mass. Registered September 21, 1920. Canceled September 17, 1925.

148,542. Remedy for stomach disorders. Stom-A-Lax Medicine Co., Sanford, Fla. Registered November 15, 1921. Canceled September 17, 1925.

148,554. Cotton piece goods. The United Turkey Red Company, Limited, Glasgow, Scotland. Registered November 15, 1921. Canceled September 17, 1925.

151,539. Medicine for use in the treatment of headaches, rheumatic and neuralgic pains. J. L. Mackey, Charleston, Tenn. Registered February 7, 1922. Canceled September 17, 1925.

159,716. Cosmetics. Lehn & Fink Inc., New York, N. Y. Registered October 3, 1922. Canceled September 17, 1925.

172,016. Candy and sirup for making same. John R. Edmiston, Miami, Fla. Registered August 21, 1923. Canceled September 17, 1925.

190,265. Bandeau for the head. Kaufmann Brothers, New York, N. Y. Registered October 7, 1924. Canceled September 17, 1925.

190,785. Cotton flannels in piece goods. Shwartz & Noble, Philadelphia, Pa. Registered October 21, 1924. Canceled September 17, 1925.

191,093. Awning stripes and ticking. John Boyle & Company Incorporated, New York, N. Y. Registered October 28, 1924. Canceled September 17, 1925.

191,095. Awning stripes and ticking. John Boyle & Company Incorporated, New York, N. Y. Registered October 28, 1924. Canceled September 17, 1925.

191,096. Awning stripes and ticking. John Boyle & Company Incorporated, New York, N. Y. Registered October 28, 1924. Canceled September 17, 1925.

# TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 6, 1925.

[VOL. 339. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 179,114. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MICHAEL A. ROMAN, New York, N. Y. Filed Apr. 13, 1923.

No claim is made to the use of the words "Ice Cream" apart from the mark shown on the drawing.

*Particular description of goods.*—Ice Cream.

*Claims use* since Mar. 15, 1921.

Ser. No. 183,104. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FORST LABORATORIES, Cincinnati, Ohio. Filed July 12, 1923.

No claim is made for the phrase "Glory" or its French translation apart from the other features of the mark.

*Particular description of goods.*—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Dentifrices, Tooth Powders, Nail Polishes, and Sachet Powders.

*Claims use* since Nov. 15, 1922.

Ser. No. 184,164. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FIBRE PRODUCTS COMPANY, Newark, N. J. Filed Aug. 7, 1923.

No claim is made herein to the word "Fibertone" apart from the mark shown in the drawing.

*Particular description of goods.*—Sound-Amplifying Horns for Radio Loud Speakers.

*Claims use* since about Jan. 1, 1923.

Ser. No. 184,364. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAUPPE CANDY COMPANY, York, Pa. Filed Aug. 11, 1923.

The word "Sauppe" is disclaimed apart from the mark shown.

*Particular description of goods.*—Candy.

*Claims use* since Sept. 1, 1921.

Ser. No. 190,044. (CLASS 37. PAPER AND STATIONERY.) AMERICAN TISSUE MILLS, Holyoke, Mass. Filed Dec. 24, 1923.

**RAINBOW**

*Particular description of goods.*—Crêpe Paper.

*Claims use* since Mar. 10, 1913.

Ser. No. 190,374. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESPOSITO AND DURNIL, Los Angeles, Calif. Filed Jan. 3, 1924.

Raemere Brand

Applicant disclaims the use of the word "Brand."

*Particular description of goods.*—Fresh and Dried Fruits and Vegetables.

*Claims use* since about Nov. 1, 1924.

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Ser. No. 192,707. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ROBERT M. LUCAS, Chicago, Ill. Filed Feb. 23, 1924.

CAR CEMENT

*Particular description of goods.*—Asphaltic-Base Paints for Coating Car Roofs, Underframes, Superframes, and Points of Contact.

*Claims use* since Sept. 1, 1921.

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Ser. No. 193,111. (CLASS 39. CLOTHING.) OSCAR HOROWITZ, doing business as Commercial Shirt Co., New York, N. Y. Filed Mar. 1, 1924. Under section 5b, act of 1905, as amended in 1920.

Nofade

The drawing is lined for colors, the letters "N" and "a" being lined for red, the letters "o" and "d" are lined for green, and the letters "f" and "e" for purple or lavender.

*Particular description of goods.*—Women's and Children's Dresses, Women's Slip-Overs and Bloomers; Women's, Men's, and Children's Knitted and Textile Underwear; Ladies' Gowns and Pyjamas.

*Claims use* since Jan. 1, 1924.

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Ser. No. 194,465. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE INTERNATIONALE CORDAY, Paris, France. Filed Mar. 26, 1924.

JET

PAR-

FUME

No claim is made to the exclusive use of the word "Parfume" apart from the mark as shown in the drawing.

*Particular description of goods.*—Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lip Stick.

*Claims use* since about Feb. 4, 1924.

Ser. No. 194,466. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE INTERNATIONALE CORDAY, Paris, France. Filed Mar. 26, 1924.

BLANCHETTE

*Particular description of goods.*—Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lip Stick.

*Claims use* since about Feb. 4, 1924.

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Ser. No. 194,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE INTERNATIONALE CORDAY, Paris, France. Filed Mar. 26, 1924.

SERRE

FLEURIE

*Particular description of goods.*—Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lip Stick.

*Claims use* since about Feb. 4, 1924.

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Ser. No. 194,470. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE INTERNATIONALE CORDAY, Paris, France. Filed Mar. 26, 1924.

KAI

SANG

*Particular description of goods.*—Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lip Stick.

*Claims use* since about Feb. 4, 1924.



Ser. No. 197,467. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed May 23, 1924.

CLE-RA-TONE

*Particular description of goods.*—Sockets for Vacuum Tubes.

*Claims use* since about Apr. 26, 1924.

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Ser. No. 197,833. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REID, MURDOCH & CO., Chicago, Ill. Filed May 29, 1924.

PRISCILLA'S MINUET

*Particular description of goods.*—Prepared Cocoa-Chocolate Combination for Food and Table Beverage Purposes.

*Claims use since* about Mar. 5, 1912.

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Ser. No. 198,258. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROACH-APPLETON MANUFACTURING COMPANY, Chicago, Ill. Filed June 7, 1924.

RACO

*Particular description of goods.*—Switch Boxes, Outlet Boxes, and Covers, Ground Clamps, Auto Fuses and Clips, Switch-Box Ferrules, Auto Trouble Lamps, and Auto Lamp Connecters.

*Claims use* since July, 1922.

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Ser. No. 199,511. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed July 2, 1924.

WONDER

*Particular description of goods.*—Shaving Cream in the Form of Soap Cream.

*Claims use* since Jan. 1, 1922.

Ser. No. 200,027. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARLEY H. WOODS, Chicago, Ill. Filed July 14, 1924.

Marcel Woods

No claim being made to the name except in the particular form shown, no common-law rights being waived.

*Particular description of goods.*—Candy.

*Claims use* since Sept. 1, 1920.

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Ser. No. 200,089. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BRADLEY, SMITH CO., New Haven, Conn. Filed July 16, 1924.

*Particular description of goods.*—Candy Bars.

*Claims use* since May 20, 1924.

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Ser. No. 200,299. (CLASS 38. PRINTS AND PUBLICATIONS.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed July 21, 1924.

No claim is made to the words "Better Homes Bureau" apart from the mark shown.

*Particular description of goods.*—Pictures for Artistic and Decorative Purposes.

*Claims use* since May 1, 1924.

Ser. No. 200,487. (CLASS 38. PRINTS AND PUBLICATIONS.) GOLDMAN COSTUME COMPANY, INC., New York, N. Y. Filed July 25, 1924.

Aladdin's Thoroughfare
(Fifth Avenue)

*Particular description of goods.*—Monthly Publication.
*Claims use* since about June 27, 1924.

Ser. No. 200,550. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EXPERIMENTER PUBLISHING COMPANY, New York, N. Y. Filed July 26, 1924.

CRYSTODYNE

*Particular description of goods.*—Radio Receiving Sets and Parts Therefor.
*Claims use* since July 6, 1924.

Ser. No. 201,508. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE INTERNATIONALE CORDAY, Paris, France. Filed Aug. 16, 1924.

"TOODLEOO"

*Particular description of goods.*—Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lip Stick.
*Claims use* since about June 15, 1924.

Ser. No. 201,924. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DRAGER FRUIT CO., Salem, Oreg. Filed Aug. 27, 1924.

CREAM ROSE

*Particular description of goods.*—Canned Prunes.
*Claims use* since 1913.

Ser. No. 201,990. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. WHEATSTONE & CO., London, England. Filed Aug. 28, 1924.

ÆOLA

*Particular description of goods.*—Concertinas.
*Claims use* since June 1, 1889.

Ser. No. 202,077. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PITTSBURG WATER HEATER COMPANY, Pittsburgh, Pa. Filed Aug. 30, 1924.

OK

*Particular description of goods.*—Hot-Water Heaters and Hot-Water-Storage Systems.
*Claims use* since Mar. 1, 1924.

Ser. No. 202,228. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. WESTERGAARD & COMPANY, Brooklyn, N. Y. Filed Sept. 4, 1924.

No claim is made to the words "King of Norway" apart from the mark as shown on the drawing.
*Particular description of goods.*—Prepared Foods, Specifically Sardines.
*Claims use* since September, 1913.



Ser. No. 203,443. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNST SILTEN, Berlin, Germany. Filed Oct. 4, 1924.

SILVEN

*Particular description of goods.*—Solution for Intravenous Therapy of Acute Inflammatory Processes.
*Claims use* since Dec. 1, 1922.

Ser. No. 203,444. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNST SILTEN, Berlin, Germany. Filed Oct. 4, 1924.

*Particular description of goods.*—Solution for Intravenous Therapy of Acute Inflammatory Processes.
*Claims use* since Dec. 1, 1922.

Ser. No. 204,619. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARRIE A. MCKINLEY, doing business as The Ceylon Spice Co., Philadelphia, Pa. Filed Oct. 30, 1924. Under ten-year proviso.

*Particular description of goods.*—Tapioca.
*Claims use* since Nov. 5, 1894.

Ser. No. 205,716. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY TRUITT, doing business as The Princeville Canning Co., Princeville, Ill. Filed Nov. 22, 1924.

ROYAL PRINCE

*Particular description of goods.*—Canned Vegetables.
*Claims use* since Oct. 29, 1924.

Ser. No. 205,726. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BATTELLE & HOSKINS CO., now by change of name The Lignole Corporation, Chicago, Ill. Filed Nov. 24, 1924.

LIGNOLE

*Particular description of goods.*—Radiopanels and Specially-Treated Wood Products Suitable for the Manufacture of Articles for Electrical Insulation, Dielectric Articles, and the like.
*Claims use* since Nov. 20, 1924.

Ser. No. 206,482. (CLASS 37. PAPER AND STATIONERY.) GAYLORD BROTHERS, Syracuse, N. Y. Filed Dec. 9, 1924.

BULL DOG

*Particular description of goods.*—Magazine Binders.
*Claims use* since October, 1912.

Ser. No. 207,146. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) PUROX COMPANY, Denver, Colo. Filed Dec. 28, 1924.

WELDING
PUROX
CUTTING

The words "Welding" and "Cutting" are disclaimed apart from the mark.
*Particular description of goods.*—Cartridges for Use With Liquid Oxygen.
*Claims use* since July, 1924.

Ser. No. 207,882. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) OSAKEYHTIÖ SAVO, Knopio, Finland. Filed Jan. 9, 1925.

Aldhovi

*Particular description of goods.*—Matches.
*Claims use* since Aug. 2, 1923.

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Ser. No. 207,903. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Jan. 9, 1925.

J. R. Watkins

No claim is made to the name "J. R. Watkins" apart from the mark shown. The trade-mark comprises the portrait and facsimile of the signature of J. R. Watkins, deceased.
*Particular description of goods.*—Shaving Creams to be Used Before Shaving and Skin Soap.
*Claims use* since Dec. 29, 1916.

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Ser. No. 208,922. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MILLERS FALLS COMPANY, Millers Falls, Mass., and New York, N. Y. Filed Jan. 31, 1925.

UNIVERSAL

*Particular description of goods.*—Hack-Saw Blades.
*Claims use* since Jan. 20, 1925.

Ser. No. 209,031. (CLASS 37. PAPER AND STATIONERY.) THE FOX PAPER COMPANY, Lockland, Ohio. Filed Feb. 3, 1925.

The words, "Silk Fiber Wrapping" are hereby disclaimed apart from the mark.
*Particular description of goods.*—Bleached Sulphite Wrapping Paper.
*Claims use* since Jan. 1, 1924.

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Ser. No. 209,507. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TENNANT BROTHERS, INC., Dallas, Tex. Filed Feb. 12, 1925.

No claim is made herein to the words "Dallas, Texas" nor to the name of applicant apart from the mark shown in the drawing.
*Particular description of goods.*—Electric Machine for Supplying Air, Light, and Power and for Use in Auto Garages and Gasoline Service Stations.
*Claims use* since Dec. 1, 1924.

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Ser. No. 209,616. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) C. V. CHAMPION & COMPANY, Danville, Ill. Filed Feb. 16, 1925.

Flav-Er-Rite

The shading on the drawing indicates the color red.
*Particular description of goods.*—Electric Hot Plates and Electric Corn-Popping Machines.
*Claims use* since Sept. 1, 1924.



Ser. No. 210,280. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GENERAL ABRASIVE COMPANY, INC., Niagara Falls, N. Y. Filed Feb. 27, 1925.

CARBONITE

*Particular description of goods.*—Silicon-Carbide Abrasive Grains.
*Claims use* since Jan. 1, 1918.

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Ser. No. 210,290. (CLASS 37. PAPER AND STATIONERY.) THE CONKLIN PEN MANUFACTURING CO., Toledo, Ohio. Filed Feb. 28, 1925.

The mark consists of lines colored red around the pen structure, as indicated. No claim is made for the fountain pen apart from the mark as shown.
*Particular description of goods.*—Fountain Pens.
*Claims use* since Aug. 6, 1924.

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Ser. No. 210,383. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUMP BAKING COMPANY, Detroit, Mich. Filed Mar. 2, 1925.

*Chester's Fried Cakes*
**Satisfying**

Disclaimer is made apart from the mark shown of the words "Fried Cakes" and "Satisfying." The shade lines are for shading only and do not denote color.
*Particular description of goods.*—Fried Cakes.
*Claims use* since Jan. 6, 1925.

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Ser. No. 210,520. (CLASS 37. PAPER AND STATIONERY.) ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Mar. 5, 1925.

*Old Loom*

*Particular description of goods.*—Boxed Writing Paper, Correspondence Cards, and Mailing Envelopes.
*Claims use* since July 1, 1924.

Ser. No. 210,708. (CLASS 38. PRINTS AND PUBLICATIONS.) BURTEN & GRENEKER, New York, N. Y., assignors to Artists and Models Publications Inc., New York, N. Y., a Corporation of New York. Filed Mar. 9, 1925.

ARTISTS & MODELS

Color is not an essential feature of the applicant's trade-mark nor is it lined for shading.
*Particular description of goods.*—Magazine Issued Monthly.
*Claims use* since Mar. 6, 1925.

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Ser. No. 210,742. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) MINIMAX UTILITIES ASSOCIATION, Oakland, Calif. Filed Mar. 9, 1925.

MINIMAX

*Particular description of goods.*—Laundry and Clothes Washing Machines.
*Claims use* since Oct. 1, 1923.

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Ser. No. 210,970. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GIOVANNI LOMBARDI, doing business as Lombardi Radio Mfg. Co., Derby, Conn. Filed Mar. 13, 1925.

Lombardi

No registration rights are claimed for the name "Lombardi" apart from the mark shown in the drawing.
*Particular description of goods.*—Variable Plate Condensers, Variable Couplers, Rheostats, Electric Receptacles, and Transformers.
*Claims use* since Aug. 18, 1924.

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Ser. No. 211,051. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PHILLIPS & BUTTORFF MFG. CO., Nashville, Tenn. Filed Mar. 14, 1925.

ENTERPRISE
ALL-SQUARE BLAST

No claim is made to the word "Blast" except in the combination shown.
*Particular description of goods.*—Heating Stoves.
*Claims use* since Jan. 1, 1925.

Ser. No. 211,202. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ECHOPHONE RADIO, INC., Chicago, Ill. Filed Mar. 18, 1925.

ECHOPHONE
ECHOES OF THE WORLD
RADIO

Exclusive use of the word "Radio" is disclaimed apart from the other features shown in the mark.

*Particular description of goods.*—Radio Receiving and Transmitting Sets and Parts of Such Sets, Head Phones, Loud Speakers, and Amplifying Horns and Parts Thereof, Aerials and Aerial Loops; Radio Vacuum Tubes, Transformers, Condensers, Rheostats, and Induction Coils.

*Claims use* since June 25, 1922.

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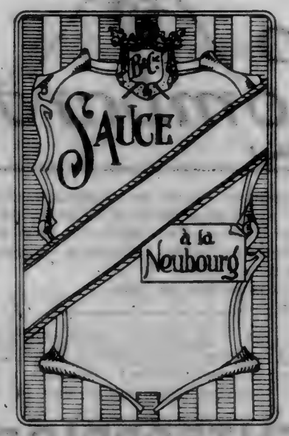
Ser. No. 211,311. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. VALLÉE & COMPANY, INC., doing business as Bellegarde & Cie., New York, N. Y. Filed Mar. 19, 1925.




The lining of the drawing is for the color blue. Applicant disclaims the words "Sauce, a la Neubourg" apart from the mark shown.

*Particular description of goods.*—Food Sauces Adapted for Preparing Lobster, Crab Meat, Shrimps, Clear or Mock Turtle, Terrapin, Sweetbreads, Minced Chicken, Mushrooms, Welsh Rarebit, Etc., or for Use on Pudding.

*Claims use* since Dec. 15, 1923.

Ser. No. 211,858. (CLASS 38. PRINTS AND PUBLICATIONS.) NEA SERVICE, INC., Cleveland, Ohio. Filed Mar. 30, 1925.

TRILBY

*Particular description of goods.*—Comic Strip.

*Claims use* since Mar. 14, 1925.

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Ser. No. 211,870. (CLASS 15. OILS AND GREASES., W. J. RYAN CORPORATION, Oklahoma City, Okla. Filed Mar. 30, 1925.

Satin Oil
"LIFE INSURANCE FOR YOUR MOTOR"

The words "Oil" and "Life Insurance for Your Motor" are hereby disclaimed.

*Particular description of goods.*—Gasoline, Lubricating Oils, and Lubricating Greases.

*Claims use* since Mar. 18, 1922.

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Ser. No. 211,936. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE KEMITEX PRODUCTS COMPANY, Akron, Ohio. Filed Mar. 31, 1925.

KEMITEX

*Particular description of goods.*—Window-Shade Cloth.

*Claims use* since Jan. 16, 1925.

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Ser. No. 212,276. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed Apr. 6, 1925.

MAYTONE

*Particular description of goods.*—Phonographs, Talking Machines, Pianos, and Player Pianos.

*Claims use* since Mar. 31, 1925.



Ser. No. 212,283. (CLASS 38. PRINTS AND PUBLICATIONS.) NEA SERVICE, INC., Cleveland, Ohio. Filed Apr. 6, 1925.

NICE DAY TODAY

*Particular description of goods.*—Humor Column.

*Claims use* since Mar. 14, 1925.

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Ser. No. 212,371. (CLASS 37. PAPER AND STATIONERY.) DENNISON & SONS, INC., Long Island City, N. Y. Filed Apr. 8, 1925.

REDISTOK

*Particular description of goods.*—Bank Notes, Checks, Drafts, Certificate Paper, Bills-of-Exchange Paper, Writing Paper, Ledgers, and Bank Books.

*Claims use* since about Mar. 28, 1925.

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Ser. No. 212,751. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RÖHM & HAAS AKTIENGESELLSCHAFT, Darmstadt, Germany. Filed Apr. 15, 1925.

BOORNOOS

*Particular description of goods.*—Soaps, Washing Powders, Soap Powders, and Soaps for Use in the Textile and Tanning Industries.

*Claims use* since July 24, 1924.

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Ser. No. 212,871. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLOUGHBY BROTHERS, doing business as W. B. Manufacturing Company, New York, N. Y. Filed Apr. 17, 1925.

POWER-DYNE

*Particular description of goods.*—Radio Receiving Sets, Alternating-Current Power Units, Direct-Current Power Units, Battery Rectifiers, A-Battery Eliminators, B-Battery Eliminators, Induction Coils, Insulators, Switches, Rheostats, Potentiometers, Connecting Plugs, Condensers, Electrical Jacks, Fuses, Sockets, Loud-Speaker Horns, Transformers, Radio Receiving and Transmitting Tubes, Terminals, Battery Cable Harness, Phone Cable Harness, Horn Cable Harness, Electrical Spotlights for Automobiles, Electrical Stop Lights for Automobiles, Electrical Dome Lights for Automobiles, Connecters, Grid Leaks, Batteries, Microphones, and House Telephone Sets, Telephone Receivers, Radio Head Sets, Radio Ear Phones.

*Claims use* since Mar. 1, 1925.



Ser. No. 212,998. (CLASS 37. PAPER AND STATIONERY.) BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed Apr. 20, 1925.

PIONEER

No claim is made to the word "Pioneer" except as associated with the other features of the mark.

*Particular description of goods.*—Typewriter Paper, Manuscript Covers; Bond, Flat and Writing Papers, and Second Sheets.

*Claims use* since Apr. 1, 1923.

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Ser. No. 213,258. (CLASS 15. OILS AND GREASES.) REYNOLDS OIL & GREASE CO., Boston, Mass. Filed Apr. 24, 1925.

REYNOIL

*Particular description of goods.*—Fuel Oil, Animal Oil and Greases, Lubricating Oil, Illuminating Oil, Vegetable Oil and Greases, Textile Oils, Tanners' Oils, Mineral Oils and Greases, Tanners' and Textile Greases, Lubricants and Specialties in the Same Class, Lubricating Greases, Automobile and Tractor Oil and Greases, All Used for Lubricating Purposes.

*Claims use* since on or about Jan. 1, 1911.

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Ser. No. 213,259. (CLASS 15. OILS AND GREASES.) REYNOLDS OIL & GREASE CO., Boston, Mass. Filed Apr. 24, 1925.

REYN-OLEINE

*Particular description of goods.*—Fuel Oil, Animal Oil and Greases, Lubricating Oil, Illuminating Oil, Vegetable Oil and Greases, Textile Oils, Tanners' Oils, Mineral Oils and Greases, Tanners' and Textile Greases, Lubricants and Specialties in the Same Class, Lubricating Greases, Automobile and Tractor Oil and Greases, All Used for Lubricating Purposes.

*Claims use* since Oct. 1, 1921.

Ser. No. 213,393. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MYER CANDY COMPANY INC., Birmingham, Ala. Filed Apr. 27, 1925.

The words "5¢" and "Milk Chocolate Nut Roll" are disclaimed apart from the mark shown.
*Particular description of goods.*—Milk-Chocolate Nut Candy Bars.
*Claims use* since Mar. 23, 1925.

Ser. No. 213,566. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE GENERAL FURNITURE SUPPLY CO., Baltimore, Md. Filed Apr. 30, 1925.

*Particular description of goods.*—Household Furniture—Namely, Tables, Kitchen Cabinets, Breakfast Suites, Chairs and Cabinets, Servers and Buffets.
*Claims use* since Apr. 23, 1925.

Ser. No. 213,645. (CLASS 38. PRINTS AND PUBLICATIONS.) THE HOOVER COMPANY, North Canton, Ohio. Filed May 1, 1925.

HOOVER Grams

Trade-mark consists of the word "Hoover" having superimposed thereon a scroll with the word "Grams" printed in red.
*Particular description of goods.*—Publication Issued Monthly.
*Claims use* since January, 1925.

Ser. No. 213,647. (CLASS 38. PRINTS AND PUBLICATIONS.) THE HOOVER COMPANY, North Canton, Ohio. Filed May 1, 1925.

IBAISAIC

Trade-mark consists of the word "Ibaisaic."
*Particular description of goods.*—Publication Issued Semimonthly.
*Claims use* since Sept. 1, 1921.

Ser. No. 213,810. (CLASS 15. OILS AND GREASES.) THOMPSON LUBRICATING COMPANY, Tacoma, Wash. Filed May 4, 1925.

THOMPSON'S SUPERB

Exclusive right to the word "Thompson's" except when associated with the rest of the mark is disclaimed.
*Particular description of goods.*—Auto Oils, Transmission Oil, Gear Greases, Cup Grease, Slab Oil, Motor Oils, Engine Oil, and Cylinder Oil.
*Claims use* since April, 1914.

Ser. No. 213,875. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ACME-EVANS COMPANY, Indianapolis, Ind. Filed May 6, 1925. Under ten-year proviso.

ACME

*Particular description of goods.*—Wheat Flour, Self-Rising Flour, Dairy Feed, Scratch Feed, Horse Feed, and Hog Feed.
*Claims use* since July 1, 1885.

Ser. No. 213,877. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Filed May 6, 1925.

Cutralin

*Particular description of goods.*—Disinfectants, Insecticides, Parasiticides, and Fungicides.
*Claims use* since Sept. 5, 1924.

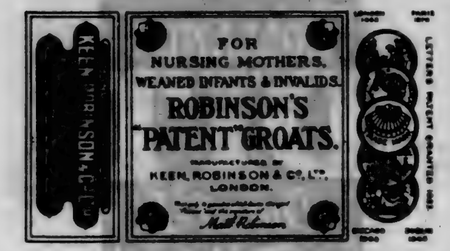
Ser. No. 213,970. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE HAMILTON FELTING COMPANY, Hamilton, Ohio. Filed May 7, 1925.

KLOROKOTTON

*Particular description of goods.*—Cotton Felting.
*Claims use* since Mar. 12, 1925.



Ser. No. 213,975. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEEN, ROBINSON & COMPANY, LIMITED, London, England. Filed May 7, 1925.




The exclusive use of all wording is disclaimed with the exception of the facsimile signature "Matta. Robinson" apart from the mark shown on the drawing.
*Particular description of goods.*—Groats.
*Claims use* since January, 1924.

Ser. No. 214,087. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERCOLE H. LOCATELLI, doing business as Mattia Locatelli, New York, N. Y. Filed May 9, 1925.

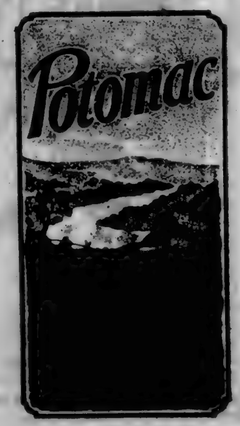
The word "Grated" and the name "Locatelli's" are disclaimed apart from the mark shown. The lining of drawing is intended to indicate red color.
*Particular description of goods.*—Grated Cheese.
*Claims use* since Jan. 1, 1925.

Ser. No. 214,177. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHARLES PETERSON, Duluth, Minn. Filed May 11, 1925.

Rednum-Line

*Particular description of goods.*—Dry-Cleaning Composition.
*Claims use* since Nov. 28, 1922.

Ser. No. 214,295. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN H. WILKINS CO., Washington, D. C. Filed May 13, 1925.




*Particular description of goods.*—Coffee.
*Claims use* since May 1, 1925.

Ser. No. 214,296. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN H. WILKINS CO., Washington, D. C. Filed May 13, 1925.

*Particular description of goods.*—Coffee.
*Claims use* since May 1, 1925.

Ser. No. 214,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN H. WILKINS CO., Washington, D. C. Filed May 13, 1925.

No claim is made to the color lined on the drawing.
*Particular description of goods.*—Coffee.
*Claims use* since May 1, 1925.

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Ser. No. 214,406. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORRIN O. BATON, Watsonville, Calif. Filed May 13, 1925.

EATONIA

*Particular description of goods.*—Fresh Fruits and Vegetables.
*Claims use* since June, 1921.

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Ser. No. 214,407. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GANDY BELTING COMPANY, Baltimore, Md. Filed May 16, 1925. Under ten-year proviso.

THERMO-GANDY

*Particular description of goods.*—Stitched Canvas and Solid Woven Belting for Power Transmission, Elevating and Conveying, and Thrasher Belt.
*Claims use* since May 16, 1921.

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Ser. No. 214,466. (CLASS 31. FILTERS AND REFRIGERATORS.) DEXTER RESEARCH LABORATORIES, INC., Toledo, Ohio. Filed May 13, 1925.

Dextrite

*Particular description of goods.*—Vegetable Filtering Material.
*Claims use* since 1916.

Ser. No. 214,480. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSHUA HOLLAND, Chicago, Ill. Filed May 18, 1925.

HOLLAND'S
DIT
Digest-It
Tablets

No claim is made to the words "Holland's Digest-It Tablets" apart from the mark shown.
*Particular description of goods.*—Digestive Remedy.
*Claims use* since Sept. 1, 1924.

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Ser. No. 214,489. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WALTER S. LEFEBRE, doing business as American Radio Sales Company, Newark, N. J. Filed May 18, 1925.

ARSCo

*Particular description of goods.*—Radio Vacuum Tube.
*Claims use* since May 1, 1925.

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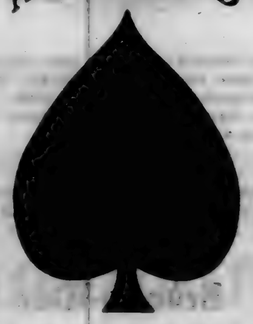
Ser. No. 214,499. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HENRY POLLAK, INC., New York, N. Y. Filed May 18, 1925.

ACE BRAND



Exclusive use of the word "Brand" is disclaimed.
*Particular description of goods.*—Plaits Formed of Straw and Other Fibrous Materials Designed for the Manufacture of Hats.
*Claims use* since about September, 1924.



Ser. No. 214,500. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HENRY POLLAK, INC., New York, N. Y. Filed May 18, 1925.

ACE HIGH

*Particular description of goods.*—Plaits Formed of Straw and Other Fibrous Material Designed for the Manufacture of Hats.
*Claims use* since about September, 1924.

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Ser. No. 214,501. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HENRY POLLAK, INC., New York, N. Y. Filed May 18, 1925.

Ace High

*Particular description of goods.*—Plaits Formed of Straw and Other Fibrous Material Designed for the Manufacture of Hats.
*Claims use* since about September, 1924.

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Ser. No. 214,512. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed May 18, 1925.

*Particular description of goods.*—Liquid Gloss and Floor Dressing.
*Claims use* since Jan. 14, 1925.

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Ser. No. 214,668. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY DALE KUHN, doing business as H. Dale Kuhn, H. Dale Kuhn Manufacturing Pharmacist, Kuhn Drug Company and H. Dale Kuhn Laboratory, Shelby, Ohio. Filed May 21, 1925.

Ep-sum-pil
THE ORIGINAL

Applicant disclaims the words "Pill" and "The Original" apart from the mark as shown.
*Particular description of goods.*—Laxative in Pill Form.
*Claims use* since Jan. 1, 1924.

Ser. No. 214,684. (CLASS 39. CLOTHING.) PETER SCOTT & CO., LIMITED, Hawick, Scotland. Filed May 21, 1925.

Pesco

*Particular description of goods.*—Knitted Underwear of Wool and Silk and Wool; Knitted Hosiery of Wool, Worsted, and Silk and Wool; Woolen, Worsted, or Silk and Wool Knitted Sports Coats; Knitted Sports Suits, Knitted Jumpers, Knitted Pull-overs, Knitted Cardigans, Knitted Shirts, Knitted Sweaters, Knitted Waistcoats, Knitted Scarfs, Knitted Jerseys, Knitted Frocks, Knitted Caps, Knitted Boleros, Knitted Vests, Knitted House Coats, Knitted Shoulder Wraps, Knitted Opera Cloaks, Knitted Wraps, and Knitted Jersey Suits, for Use by Men, Women, and Children.
*Claims use* since Nov. 23, 1898.

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Ser. No. 214,757. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WALTER L. TRAINER CO., Philadelphia, Pa. Filed May 22, 1925.

TRAIN

*Particular description of goods.*—Varnish, Drier, Japans, Prepared Shellac, Turpentine, Wood Filler, Stains, Polishes in the Nature of Varnish and Automobile Polish, Putty; Paints, Dry, Paste, and Ready Mixed; and Paint Enamels.
*Claims use* since about Jan. 1, 1907.

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Ser. No. 214,846. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BRETWOOD, LTD., London, England. Filed May 25, 1925.

BRETWOOD

*Particular description of goods.*—Apparatus for Use in Wireless Telegraphy and Telephony, said Apparatus Comprising: Valve Holders, Grid Leaks, Fixed Condensers, Variable Condensers, Accumulators, Dry Cells, Induction Coils, Coil Holders, Coil Plugs, Variometers, Electric Resistances, Bursers, Switchboards, Switches, Rheostats, Vacuum or Electron Tubes or Lamps, Detectors, Loud Speakers, Wireless Receiving Sets, Head Phones, Transformers, and Terminals.
*Claims use* since Jan. 1, 1924.

Ser. No. 214,939. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICAN FEDERATION OF ARTS, INC., Washington, D. C. Filed May 27, 1925.

THE AMERICAN MAGAZINE OF ART

*Particular description of goods.*—Title of Monthly Magazine.
*Claims use* since 1916.

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Ser. No. 214,981. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TRIMM RADIO MANUFACTURING CO., Chicago, Ill., Filed May 27, 1925.

TRIMM
RADIO MANUFACTURING COMPANY
CHICAGO

No claim is made herein to the words "Trimm Radio Manufacturing Company Chicago", apart from the mark shown in the drawing.
*Particular description of goods.*—Radio Supplies—Namely, Telephone Head Sets, Loud Speakers, Loudspeaker Units to be Used as Attachments to Amplifying Horns (for Example the Horns of Talking Machines), and Parts Thereof.
*Claims use* since Aug. 1, 1922.

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Ser. No. 215,007. (CLASS 6. CHEMICAL, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GULF STATES MEDICINE COMPANY, Pascagoula, Miss. Filed May 28, 1925.

Gray's Antiseptic

No claim is made to the words "Gray's Antiseptic" appearing in the drawing apart from the mark shown.
*Particular description of goods.*—Antiseptic Medicinal Preparation for Wounds, Sores, Sprains, Strains, Erysipelas, Etc.
*Claims use* since Jan. 1, 1925.

Ser. No. 215,075. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOS ANGELES SOAP COMPANY, Los Angeles, Calif. Filed May 29, 1925.

MISSION BELL

*Particular description of goods.*—Soap.
*Claims use* since Mar. 5, 1924.

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Ser. No. 215,106. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SUOMEN OSUUSKAUPPOJEN KESKUSKUNTA, R. L., Helsingfors, Finland. Filed May 29, 1925.

No claim is made to the representation of matches apart from the mark shown. The words "Impregnated Safety Matches," "Made in Finland," "Superior Quality," and "Average 60 Matches" are disclaimed apart from the mark shown.
*Particular description of goods.*—Safety Matches.
*Claims use* since Feb. 15, 1925.

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Ser. No. 215,129. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE BOSSTONE COMPANY, Boston and East Boston, Mass. Filed June 1, 1925.

Ukelin

*Particular description of goods.*—Musical Instruments of the Zither Type Having One or More Bow-Played Strings and Also One or More Strings Sounded by Plucking.
*Claims use* since on or about May 21, 1925.



Ser. No. 215,141. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE DAYTON FAN AND MOTOR COMPANY, Dayton, Ohio. Filed June 1, 1925.

Day-Fan

*Particular description of goods.*—Electric Fans, Electric Motors and Parts Thereof and Radio Receiving Sets and Loud Speakers and Parts, Comprising Condensers, Transformers, Switches, Sockets, and Panels.
*Claims use* since July, 1924.

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Ser. No. 215,246. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VALENTINO GIATTI, doing business as Italograppo Importing Co., New York, N. Y. Filed June 3, 1925.

No claim is made to the use of the representation of the bunches of grapes apart from the mark as shown in the drawing.
*Particular description of goods.*—Concentrated Italian Grapes for Grape Jelly.
*Claims use* since May 1, 1925.

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Ser. No. 215,298. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PURITY COSMETIC CO., Bemidji, Minn. Filed June 4, 1925.

Sanafax

*Particular description of goods.*—Dental Cream.
*Claims use* since February, 1925.

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Ser. No. 215,317. (CLASS 38. PRINTS AND PUBLICATIONS.) SPORTLIFE PUBLISHING CORPORATION, New York, N. Y. Filed June 4, 1925.

Sportlife

*Particular description of goods.*—Monthly Magazine.
*Claims use* since June 2, 1925.

Ser. No. 215,500. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BEST FOODS, INC., New York, N. Y. Filed June 9, 1925.

The lining on the drawing is intended to denote that the outer oval is blue and the inner oval is buff. No claim is made to the words "Best Foods" or to the word "Shortening" apart from the mark shown.
*Particular description of goods.*—Shortening.
*Claims use* since May 29, 1925.

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Ser. No. 215,677. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT D. BARR, doing business as Davis Laboratory, Los Angeles, Calif. Filed June 12, 1925.

Vado

*Particular description of goods.*—Antiseptic and Germicidal Preparations.
*Claims use* since June 1, 1925.

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Ser. No. 215,768. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWARD L. BEARD, Kansas City, Mo. Filed June 15, 1925.

*Particular description of goods.*—Muffler Attachment for Telephone Transmitters.
*Claims use* since May 15, 1925.

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Ser. No. 215,847. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH E. CARTER, doing business as Carter's Laboratories, Fargo, N. Dak. Filed June 16, 1925.

Jos. E. Carter

The name "Jos. E. Carter" is disclaimed except when used in the manner shown. The trade-mark consists of a facsimile of applicant's signature.
*Particular description of goods.*—Hair Color Restorer.
*Claims use* since December, 1924.

Ser. No. 215,876. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RHENANIA VEREIN CHEMISCHER FABRIKEN AKTIEN-GESELLSCHAFT, Colonia, Germany. Filed June 16, 1925.

Mucidan

Trade-mark consists of the word "Mucidan."
*Particular description of goods.*—Antiseptic.
*Claims use* since Jan. 1, 1925.

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Ser. No. 215,897. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y. Filed June 17, 1925. Under ten-year proviso.

ALBALINE

*Particular description of goods.*—Lacquer.
*Claims use* since about July, 1892.

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Ser. No. 216,019. (CLASS 39. CLOTHING.) COOPER UNDERWEAR COMPANY, Kenosha, Wis. Filed June 19, 1925.

Coopers
XTRA-TUF PLY
HEEL & TOE

No claim is made to any right of registration under the statute of the words "Cooper's Xtra Tuf 4Ply Heel & Toe" excepting in the form and in connection with the mark as shown.
*Particular description of goods.*—Hosiery.
*Claims use* since May 20, 1925.

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Ser. No. 216,020. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COTY, INC., Wilmington, Del., and New York, N. Y. Filed June 19, 1925.

BRUGNON

*Particular description of goods.*—Rouge.
*Claims use* since Mar. 9, 1925.

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Ser. No. 216,021. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COTY, INC., Wilmington, Del., and New York, N. Y. Filed June 19, 1925.

PAVIE

*Particular description of goods.*—Rouge.
*Claims use* since Mar. 2, 1925.

Ser. No. 216,027. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILLIAM W. DOOLITTLE, doing business as Royal Maize Co., Coulmbus, Ohio. Filed June 19, 1925.

"EASE-ON"

*Particular description of goods.*—Cleaning Preparation Both in Liquid and Wet Paste Form for Use on All Kinds of Silk Except Solid White.
*Claims use* since about May 7, 1925.

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Ser. No. 216,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MATTHEWS DAIRIES COMPANY, Cincinnati, Ohio. Filed June 20, 1925.

CREAMED COTTAGE CHEESE

No claim is made to the words "Creamed Cottage Cheese" apart from the mark as shown in the drawing.
*Particular description of goods.*—Cottage Cheese.
*Claims use* since Feb. 15, 1924.

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Ser. No. 216,246. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio. Filed June 22, 1925.

The Connector

*Particular description of goods.*—Publication Issued Monthly.
*Claims use* since January, 1918.

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Ser. No. 216,251. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUTODEX COMPANY, Waynesboro, Pa. Filed June 23, 1925.

Autodex

*Particular description of goods.*—Indexing Machines.
*Claims use* since Feb. 29, 1924.



Ser. No. 216,346. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES S. KIRK & COMPANY, Chicago, Ill. Filed June 24, 1925.

LITE

*Particular description of goods.*—Soap.
*Claims use* since Jan. 1, 1922.

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Ser. No. 216,387. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HARRY M. FREEDMAN, Los Angeles, Calif. Filed June 25, 1925.

MAGIC

*Particular description of goods.*—Tire Holders.
*Claims use* since June 6, 1925.

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Ser. No. 216,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. J. E. HUTCHESON & MISS MILLER HUTCHESON, Beaumont, Tex. Filed June 25, 1925.

I-Kur-Burns

The shading beneath the words "I-Kur-Burns" indicates a red coloration intended to simulate fire, while the shading above the fire indicates no particular color, being intended to represent clouds of smoke.
*Particular description of goods.*—Salve for the Treatment of Minor Burns, Chronic Sores, Eczema, Carbuncles, Sunburn, Chapped Hands, and Similar Skin Affections.
*Claims use* since June 1, 1925.

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Ser. No. 216,413. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H. & G. KLOTZ, Paris, France. Filed June 25, 1925. Under ten-year proviso.

LILAS DE FRANCE

*Particular description of goods.*—Perfumed Soaps, Toilet Soaps, and Shaving-Soap Sticks, and Shaving-Soap Paste and Powder.
*Claims use* since Mar. 1, 1890.

Ser. No. 216,509. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEUTSCHE GESELLSCHAFT FÜR SCHÄDLINGSBEKÄMPFUNG M. B. H., Frankfort-on-the-Main, Germany. Filed June 27, 1925.

Zyklon

*Particular description of goods.*—Chemicals for Destroying Vermin and for Exterminating Pests, Disinfectants, and Vermin Exterminants.
*Claims use* since Oct. 28, 1920.

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Ser. No. 216,510. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEUTSCHE GESELLSCHAFT FÜR SCHÄDLINGSBEKÄMPFUNG M. B. H., Frankfort-on-the-Main, Germany. Filed June 27, 1925.

*Particular description of goods.*—Chemicals for Destroying Vermin and for Exterminating Pests, Disinfectants, and Vermin Exterminants.
*Claims use* since Dec. 12, 1922.

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Ser. No. 216,513. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDGAR-MORGAN CO., Memphis, Tenn. Filed June 27, 1925.

Get Happy!
FEEDS
IN RED BALL BAGS

The word "Feeds" and the phrase "In Red Ball Bags" do not form a part of the mark to be registered apart from the mark shown on the drawing. The lining indicates the color red.
*Particular description of goods.*—Feeds and Foodstuffs for Poultry, Cattle, Horses, Mules, and Hogs.
*Claims use* since May 12, 1925.

Ser. No. 216,514. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDGAR-MORGAN CO., Memphis, Tenn. Filed June 27, 1925.

Get Happy!

*Particular description of goods.*—Feeds and Foodstuffs for Poultry, Cattle, Horses, Mules, and Hogs.
*Claims use* since May 12, 1925.

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Ser. No. 216,536. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. A. HOFFMAN CANDY CO., Los Angeles, Calif. Filed June 27, 1925.

Milk-A-Let

*Particular description of goods.*—Candy.
*Claims use* since November, 1915.

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Ser. No. 216,571. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) P. C. TOMSON & CO. INC., Philadelphia, Pa. Filed June 27, 1925. Under ten-year proviso.

TOMSON'S

RED SEAL

*Particular description of goods.*—Lye and Chlorinated Lime.
*Claims use* since about January, 1883.

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Ser. No. 216,583. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANS W. BROCK, Burke, Idaho. Filed June 29, 1925.

No claim is made to the words "Brock's" and "Oil" apart from the mark shown.
*Particular description of goods.*—Antiseptic Preparation for the Treatment of Sores, Abrasions, Burns, Scalds, and Rough and Chapped Skin.
*Claims use* since 1915.

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Ser. No. 216,636. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) S. S. PIERCE CO., Boston, Mass. Filed June 29, 1925.

LIONCEAU

*Particular description of goods.*—Soaps.
*Claims use* since Oct. 1, 1920.

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Ser. No. 216,639. (CLASS 38. PRINTS AND PUBLICATIONS.) ENID SCOTT RANKIN, doing business as The National Women's Press, New York, N. Y. Filed June 29, 1925.

The NewCentury

*Particular description of goods.*—Periodical Publication.
*Claims use* since June 23, 1925.

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Ser. No. 216,670. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EHRO-SULFUR LABORATORIES INC., New York, N. Y. Filed June 30, 1925.

EHRO-SULFUR

Applicant disclaims exclusive right to the use of the word "Sulfur" except in combination with the other features of the mark as shown in drawing.
*Particular description of goods.*—Medicinal Preparation.
*Claims use* since June 17, 1925.

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Ser. No. 216,711. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CLEANSER PRODUCTS COMPANY, Freedom, Pa. Filed July 1, 1925.

REN

Applicant disclaims the right to the exclusive use of the words "Renovates" and "Renews" apart from the other features of the mark.
*Particular description of goods.*—Preparation Used as a Cleaner for Painted or Varnished Surfaces.
*Claims use* since Mar. 15, 1925.



Ser. No. 216,740. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOTHERSILL REMEDY COMPANY, LIMITED, Montreal, Canada, and New York, N. Y. Filed July 1, 1925.

MOTHERSILL'S SEASICK REMEDY

No claim is made to the exclusive use of the words "Mothersill's" and "Seasick Remedy" apart from the mark shown in the drawing. The color red shown by the lines on the drawing being claimed as a feature of the mark.
*Particular description of goods.*—Remedy for Seasickness.
*Claims use* since June, 1908.

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Ser. No. 216,749. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STRAHL & PITSCH, New York, N. Y. Filed July 1, 1925.

S & P BRAND

No claim is made to the word "Brand" apart from the mark shown in the drawing.
*Particular description of goods.*—Beeswax, Paraffin Wax, Carnauba Wax, Carnaumontine Wax, Shellac Wax, Spermaceti, Stearic Acid, Gum Tragacanth, Ceresine Waxes, Montan Waxes, Japan Wax, Palm Wax, Bayberry Wax, Candelilla Wax, and Ozokerite Wax.
*Claims use* since Jan. 1, 1906.

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Ser. No. 216,750. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRATZ A. TRUE, New Orleans, La. Filed July 1, 1925.

Transphy

*Particular description of goods.*—Antiseptic and Astringent Medicinal Preparation for the Treatment of the Skin.
*Claims use* since June 16, 1925.

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Ser. No. 216,752. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) UNITED STATES FARM SALES COMPANY, Salina, Kans. Filed July 1, 1925.

FARCO

*Particular description of goods.*—Automobile Tire Casings and Tubes.
*Claims use* since Feb. 19, 1925.

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Ser. No. 216,792. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. T. E. V. RADEMAKER'S KON. CACAO & CHOCOLADE FABRIEKEN, The Hague, Netherlands. Filed July 2, 1925.

PRIORA

Trade-mark consists of the word "Priora."
*Particular description of goods.*—Chocolates, Candy, Biscuits, and Cocoa.
*Claims use* since Sept. 8, 1924.

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Ser. No. 216,797. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SETHNESS COMPANY, Chicago, Ill. Filed July 2, 1925.

LOLLIE

*Particular description of goods.*—Frozen Water Ice on a Stick.
*Claims use* since Oct. 29, 1924.

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Ser. No. 216,836. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INNIS, SPEIDEN & CO., INC., New York, N. Y. Filed July 3, 1925.

TA-TO-LAC

*Particular description of goods.*—Chemical Preparation Suitable for Improving the Yield, Taste, and Keeping Qualities of Bread, Cake, and the Like.
*Claims use* since Oct. 31, 1924.

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Ser. No. 216,847. (CLASS 39. CLOTHING.) ERNEST L. RHODES COMPANY, Atlanta, Ga. Filed July 3, 1925.

ERR The Rhodes Hat

Applicant disclaims exclusive right to the use of the phrase "The Rhodes Hat" except in the particular connection and association in which it appears with the rest of the trade-mark as presented on the drawing.
*Particular description of goods.*—Ladies' Hats.
*Claims use* since Feb. 1, 1900.

Ser. No. 216,961. (CLASS 4. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE AMERICAN PRODUCTS COMPANY, Cincinnati, Ohio. Filed July 7, 1925.

BABY MINE

*Particular description of goods.*—Talcum Powder and Cold Cream.
*Claims use* since September, 1915.

Ser. No. 217,007. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) Co-Mo MANUFACTURING COMPANY, Mebane, N. C. Filed July 8, 1925.

RED CEDAR

No claim is made for the words "Red Cedar" apart from the mark shown in the drawing.
*Particular description of goods.*—Floor-Sweeping Compound.
*Claims use* since Mar. 1, 1925.

Ser. No. 217,021. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREY-WEAVER CO., Lancaster, Pa. Filed July 8, 1925.

TASTEE

*Particular description of goods.*—Coffee.
*Claims use* since Dec. 20, 1923.

Ser. No. 217,023. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE GOSHEN MANUFACTURING COMPANY, Goshen, Ind. Filed July 8, 1925.

BLUE RIBBON LINE

*Particular description of goods.*—Ladders.
*Claims use* since June 1, 1925.

Ser. No. 217,035. (CLASS 39. CLOTHING.) I. MILLER & SONS, INC., Long Island City, N. Y. Filed July 8, 1925.

*Particular description of goods.*—Shoes for Children and Infants, Made of Leather, Fabrics, and Cloth and Combinations of These Materials, and Overshoes.
*Claims use* since Aug. 25, 1920.

Ser. No. 217,037. (CLASS 39. CLOTHING.) I. MILLER & SONS, INC., Long Island City, N. Y. Filed July 8, 1925.

MILLER-KINS

*Particular description of goods.*—Shoes for Children and Infants, Made of Leather, Fabrics, and Cloth and Combinations of These Materials, and Overshoes.
*Claims use* since Aug. 25, 1920.

Ser. No. 217,105. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCPHERSON HEIGHTS CITRUS ASSOCIATION, Orange, Calif. Filed July 9, 1925.

BOW-MAN

*Particular description of goods.*—Fresh Citrous Fruits (Oranges, Lemons, and Grapefruit.)
*Claims use* since 1910.



Ser. No. 217,114. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE SAXON CHINA COMPANY, Sebring, Ohio. Filed July 9, 1925.

THE BIRTHSTONE PATTERN SAXON

No claim is made to the words "Pattern Saxon" apart from the mark shown on the drawing.
*Particular description of goods.*—China, Porcelain, and Earthenware Dishes and Sets of Dishes.
*Claims use* since Jan. 2, 1925.

Ser. No. 217,138. (CLASS 38. PRINTS AND PUBLICATIONS.) JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed July 10, 1925.

THE PENCIL NEWS

*Particular description of goods.*—Quarterly Publication.
*Claims use* since July 1, 1925.

Ser. No. 217,168. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. H. MASLAND & SONS, Philadelphia, Pa. Filed July 10, 1925.

ARGONNE

MASLAND RUGS
Made by the exclusive Masland Method

The words "Rugs" and "Made by the Exclusive Masland Method" and the name "Masland" are disclaimed. The drawing has been lined for color—viz, blue, red, and green.
*Particular description of goods.*—Textile Rugs.
*Claims use* since Mar. 4, 1924.

Ser. No. 217,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAURY-COLE COMPANY, Memphis, Tenn. Filed July 10, 1925.

Claridge Hotel

*Particular description of goods.*—Coffee.
*Claims use* since 1914.

Ser. No. 217,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAURY-COLE COMPANY, Memphis, Tenn. Filed July 10, 1925.

Gayoso Hotel

*Particular description of goods.*—Coffee.
*Claims use* since 1914.

Ser. No. 217,171. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAURY-COLE COMPANY, Memphis, Tenn. Filed July 10, 1925.

Peabody Hotel

*Particular description of goods.*—Coffee.
*Claims use* since 1914.

Ser. No. 217,184. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SILVER SUDS MANUFACTURING COMPANY, Philadelphia, Pa. Filed July 10, 1925.

SILVER SUDS

*Particular description of goods.*—Cleaning and Polishing Compounds for Gold, Silver, Brass, and Plated Ware.
*Claims use* since March, 1895.

Ser. No. 217,243. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE AMERICAN SILVER COMPANY, Bristol, Conn. Filed July 13, 1925.

1857

*Particular description of goods.*—Plated Tableware, Including Spoons, Forks, Knives, and Ladles.
*Claims use* since about Nov. 1, 1894.

Ser. No. 217,267. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CHIP-O-TATO CORPORATION OF AMERICA, St. Paul, Minn. Filed July 13, 1925.

Chip-O-tato

*Particular description of goods.*—Gas and Coal Cookstoves.
*Claims use* since June 16, 1925.

Ser. No. 217,258. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHIP-O-TATO CORPORATION OF AMERICA, St. Paul, Minn. Filed July 13, 1925.

Chip-O-tato

*Particular description of goods.*—Fried Potatoes.
*Claims use* since June 16, 1925.

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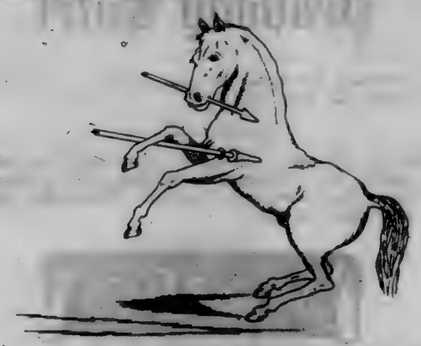
Ser. No. 217,261. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn. Filed July 13, 1925.



*Particular description of goods.*—Dish, Silver, and Glass Cleaning Machines and Metal-Parts-Cleaning Machines.
*Claims use* since about April, 1923, with reference to metal-parts-cleaning machines and since about November, 1920, with reference to dish, silver, and glass cleaning machines.

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Ser. No. 217,273. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HALSTEAD SPECIALTIES CO., Oakland, Calif. Filed July 13, 1925.

Burning Blossoms
The
CALIFORNIA PERFUME
Halstead Specialties Co
Oakland.Cal.

No claim is made to the exclusive right to the use of the words "The California Perfume, Halstead Specialties Co., Oakland, Cal.," except in the particular association in which they appear.
*Particular description of goods.*—Perfume and Incense.
*Claims use* since Mar. 1, 1924.

Ser. No. 217,319. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN BOSCH MAGNETO CORPORATION, Springfield, Mass. Filed July 14, 1925.

Traffic Tuned

*Particular description of goods.*—Electrical Signal Horns.
*Claims use* since July 6, 1925.

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Ser. No. 217,349. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PAUL LECHLER, Stuttgart, Germany. Filed July 14, 1925.

IMUNOL

*Particular description of goods.*—Water-Repelling Preservative Paint for Cement, Brick, Mortar, Stone, and Metal Surfaces, and Antirust Composition in the Nature of Paint for Gas Holders.
*Claims use* since Sept. 10, 1921.

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Ser. No. 217,478. (CLASS 37. PAPER AND STATIONERY.) OLD COLONY ENVELOPE COMPANY, Westfield, Mass. Filed July 16, 1925.

Ensemble

*Particular description of goods.*—Correspondence Cards and Mailing Envelopes Therefor.
*Claims use* since July 7, 1925.

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Ser. No. 217,483. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LOUIS ROESSEL & CO., INC., New York, N. Y. Filed July 16, 1925.

Ki-Ro

*Particular description of goods.*—Silk Goods in the Piece.
*Claims use* since fall of 1922.

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Ser. No. 217,490. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALASKA CONSOLIDATED CANNERIES, INC., Seattle, Wash. Filed July 17, 1925.

LUNCHEON

*Particular description of goods.*—Canned Salmon.
*Claims use* since May 6, 1914.



Ser. No. 217,494. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN ELEVATOR & MACHINE COMPANY, Louisville, Ky. Filed July 17, 1925.

AMERICAN

No claim is made herein to the word "American" apart from the mark shown in the drawing.
*Particular description of goods.*—Electric Freight and Passenger Elevators.
*Claims use* since Apr. 27, 1925.

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Ser. No. 217,510. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE J. H. GRAYSON MANUFACTURING COMPANY, Athens, Ohio. Filed July 17, 1925.

RAY GLO

*Particular description of goods.*—Gas Heaters and Parts Thereof—Namely, Mantles and Castings.
*Claims use* since Sept. 1, 1924.

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Ser. No. 217,515. (CLASS 38. PRINTS AND PUBLICATIONS.) HENRY HOHENSTEIN, New York, N. Y. Filed July 17, 1925.

VAN ART

*Particular description of goods.*—Tinted and Untinted Photographs, Photographic Reproductions, Photolithographs Calendars, Prints, and Photographic Studies.
*Claims use* since June 1, 1900.

Ser. No. 217,523. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JOSEPH MARER COMPANY, INC., New York, N. Y. Filed July 17, 1925.

ROSEMARY

*Particular description of goods.*—Wedding, Engagement, and Other Finger Rings for Men and Women; Charms, Amulets, Bracelets, Lockets, Brooches, Bar Pins, Stick Pins, Cuff Buttons, Cuff Links, Necklaces, Necklace Clasps, Earrings, Ear Screws, Flat and Hollow Silverware Sterling and Plated, Belt Buckles, Tie Clasps, and Watch Chains.
*Claims use* since May 4, 1925.

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Ser. No. 217,544. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MAX DANNENBIRSCH, doing business as The Dannenbirsch Co., Philadelphia, Pa. Filed July 18, 1925.

DANNOGRID

*Particular description of goods.*—Electric Storage Batteries or Accumulators and Parts Thereof.
*Claims use* since Jan. 1, 1924.

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Ser. No. 217,546. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) DELTA SIGMA PHI FRATERNITY INC., Washington, D. C. Filed July 18, 1925.

ΔΣΦ.

*Particular description of goods.*—Jewelry for Personal Wear, Not Including Watches.
*Claims use* since 1900.

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Ser. No. 217,556. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLD BRAND CONFECTIONERY INC., Boston, Mass. Filed July 18, 1925.

NICKEL NUTTY NUGGETS 5¢

Exclusive right to the use of the words "Nickel," "Nutty" and "5¢" apart from the mark shown is hereby disclaimed.
*Particular description of goods.*—Candy.
*Claims use* since May 15, 1925.

Ser. No. 217,637. (CLASS 39. CLOTHING.) Samuels Shoe Company, St. Louis, Mo. Filed July 20, 1925.

The right to the exclusive use of the word "Fashion" is disclaimed apart from the mark shown.

*Particular description of goods.*—Men's, Women's, and Children's Leather and Fabric Shoes and Felt and Satin Slippers.

*Claims use* since October, 1924.

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Ser. No. 217,648. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) Vego-Hair Manufacturing Co., Gainesville, Fla. Filed July 20, 1925.

BLACK-JOE
BRAND

No claim is made to the word "Brand."

*Particular description of goods.*—Vegetable Spanish Moss.

*Claims use* since Mar. 15, 1907.

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Ser. No. 217,683. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) The R. E. Rodda Candy Company, York, Pa. Filed July 21, 1925.

The drawing is lined to indicate green in the outer circle and red in the central band. The sole use of the words "Purity," "Originality," "Workmanship," "Trade-Mark," "Rodda," and "Candy" is disclaimed apart from the rest of the mark.

*Particular description of goods.*—Candy.

*Claims use* since 1908.

Ser. No. 217,697. (CLASS 39. CLOTHING.) Colt-Cromwell Company, New York, N. Y. Filed July 22, 1925.

No claim is made to the exclusive right to use of the words "Colt" and "Quality" except in the particular association in which they appear.

*Particular description of goods.*—Puttees and Riding Boots of Leather.

*Claims use* since December, 1919.

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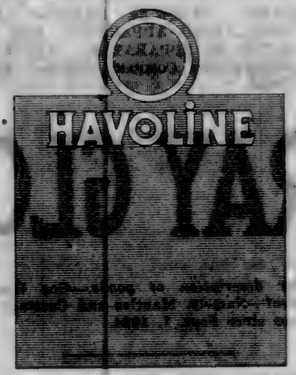
Ser. No. 217,712. (CLASS 15. OILS AND GREASES.) Indian Refining Company, Incorporated, Lawrenceville, Ill., and New York, N. Y. Filed July 22, 1925.




The vertical lining of drawing indicates red, the horizontal lining indicates blue, and the unlined areas indicate white, these colors being commonly used in displaying the mark.

*Particular description of goods.*—Lubricating Oils, Greases, and Compounds in the Nature of Lubricants.

*Claims use* since about May 16, 1925.

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Ser. No. 217,716. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) The Lange-Bein-Kaufman Radio Co., New Haven, Conn. Filed July 22, 1925.

ELKAY

*Particular description of goods.*—Radio Receiving Sets and Parts.

*Claims use* since Jan. 1, 1925.



Ser. No. 217,734. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Pacent Electric Company, Incorporated, New York, N. Y. Filed July 22, 1925.

RADIO FILE

The word "Radio" is claimed only in association with the other features of the mark shown in the drawing.

*Particular description of goods.*—Electrical Apparatus More Particularly for Control Dials for Use with Radio Apparatus and for Radio Receiving Sets.

*Claims use* since on or about July 18, 1925.

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Ser. No. 217,757. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Bunte Brothers, Chicago, Ill. Filed July 23, 1925.

*Golden Quality*

No claim is made to the word "Quality" apart from the mark as shown.

*Particular description of goods.*—Candy.

*Claims use* since April, 1925.

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Ser. No. 217,770. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. H. Hammond Company, Chicago, Ill. Filed July 23, 1925. Under ten-year proviso.

CALUMET

*Particular description of goods.*—Oleo Oil.

*Claims use* since about June 1, 1883.

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Ser. No. 217,795. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Jacob Mendell, doing business as J. Mendell Candy Co., Brooklyn, N. Y. Filed July 23, 1925.

Sweet Toothies

*Particular description of goods.*—Candy.

*Claims use* since June 10, 1925.



Ser. No. 217,832. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Nashville Roller Mills, Nashville, Tenn. Filed July 24, 1925.

*Particular description of goods.*—Plain and Self-Rising Wheat Flour.

*Claims use* since 1899.

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Ser. No. 217,866. (CLASS 37. PAPER AND STATIONERY.) Eagle Pencil Company, New York, N. Y. Filed July 25, 1925.

ALPHA

Trade-mark consists of the word "Alpha."

*Particular description of goods.*—Lead Pencils.

*Claims use* since about July 1, 1907.

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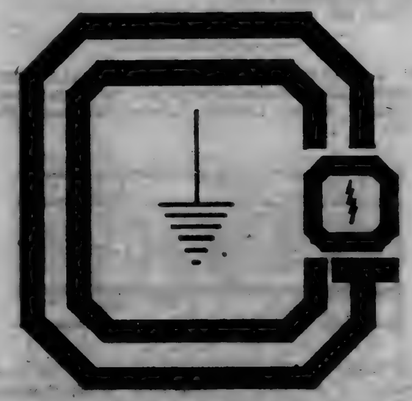
Ser. No. 217,874. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Groundlet Company, Newark, N. J. Filed July 25, 1925.



The symbol represented in drawing is disclaimed.

*Particular description of goods.*—Electrical Connecters for Pipe and Conduit.

*Claims use* since Dec. 1, 1924.

Ser. No. 217,973. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARNOLD O. WEISMANN, Chicago, Ill. Filed July 27, 1925.

Weismann's Genuine Vienna
Vera Zwieback

No claim is made to the exclusive use apart from the mark shown of the words "Weismann's Genuine, Vienna, Zwieback."

*Particular description of goods.*—Zwieback.

*Claims use* since July 16, 1925.

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Ser. No. 218,010. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INDEX WERKE HAHN & KOLB, Esslingen-on-the-Neckar, Germany. Filed July 28, 1925.

Index

*Particular description of goods.*—Machines, Particularly Tool-Making Machines, Automatic Revolving Lathes, Automatic Revolving Screw Lathes, Grinding Machines, Straightening Presses.

*Claims use* since Mar. 1, 1925.

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Ser. No. 218,016. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NEWTON, CHAMBERS & COMPANY, LIMITED, Sheffield, England. Filed July 28, 1925.

IZAL

*Particular description of goods.*—Perfumed Soaps, Liquid Soaps, Medicated Soaps, Soft Soap, and Soft and Hard Disinfectant Soaps.

*Claims use* since May 26, 1893.

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Ser. No. 218,032. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) YARDLEY & CO., LIMITED, London, England. Filed July 28, 1925.

No claim is made to the exclusive use of the words "Yardley & Co., Ltd., 8 New Bond Street, London" apart from the mark shown on drawing.

*Particular description of goods.*—Perfumes, Face Powder, and Bath Dusting Powder.

*Claims use* since June, 1922.

Ser. No. 218,086. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) REDMANOL CHEMICAL PRODUCTS COMPANY, Chicago, Ill. Filed July 29, 1925.

*Particular description of goods.*—Condensation Products of Phenols and Formaldehyde.

*Claims use* since June 1, 1925.

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Ser. No. 218,097. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MAX BAYERDORFFER, Huguenot Park, N. Y. Filed July 30, 1925.

BANDETTE

*Particular description of goods.*—Leg Bands for Fowls.

*Claims use* since May 1, 1925.

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Ser. No. 218,124. (CLASS 39. CLOTHING.) HYLAND BROS. COMPANY, INC., Chicago, Ill., and New York, N. Y. Filed July 30, 1925.

Rayon Soleil

*Particular description of goods.*—Hats for Women and Misses.

*Claims use* since May 7, 1925.

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Ser. No. 218,133. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROY NELSON, doing business as Roy Nelson Canning Co., Crane, Mo. Filed July 30, 1925.

HEART OF THE OZARKS

*Particular description of goods.*—Canned Vegetables.

*Claims use* since Sept. 8, 1924.

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Ser. No. 218,137. (CLASS 37. PAPER AND STATIONERY.) PAPER PRODUCTS MANUFACTURING COMPANY, Swarthmore, Pa. Filed July 30, 1925.

KEYSTONE
BRAND

The word "Brand" is disclaimed apart from the mark shown.

*Particular description of goods.*—Paper Napkins.

*Claims use* since Aug. 1, 1923.



Ser. No. 218,140. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PEP STOCK MEDICINE COMPANY, Winder, Ga. Filed July 30, 1925.

*Particular description of goods.*—Dog Remedy for the Treatment of Fits.

*Claims use* since Apr. 1, 1925.

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Ser. No. 218,170. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EASTON CAR & CONSTRUCTION COMPANY, Easton, Pa. Filed July 31, 1925.

RAPIDUMP

*Particular description of goods.*—Automatic Dumping Automobile Truck Bodies.

*Claims use* since June 28, 1924.

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Ser. No. 218,205. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) I. L. ROSENBERG, doing business as Super-Smart Studios, Chicago, Ill. Filed July 31, 1925.

Beautigrams

*Particular description of goods.*—Monogram Plates for Automobiles.

*Claims use* since Apr. 6, 1925.

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Ser. No. 218,212. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH CHRISTOPHER SHEPARD, Wilmington, N. C. Filed July 31, 1925.

"TARCREOLE"

*Particular description of goods.*—Disinfectants and Deodorizers.

*Claims use* since on or about Jan. 25, 1918.

Ser. No. 218,218. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH CHRISTOPHER SHEPARD, Wilmington, N. C. Filed July 31, 1925.

"PINESOL"

*Particular description of goods.*—Disinfectants and Deodorizers.

*Claims use* since on or about Jan. 25, 1918.

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Ser. No. 218,248. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) C. R. DANIELS, INC., New York, N. Y. Filed Aug. 1, 1925.

STOP-LOSS

Trade-mark consists of the word "Stop-Loss".

*Particular description of goods.*—Waterproof Canvas Tarpaulins Used by Builders and Contractors, Motor-Truck Owners, and Manufacturers.

*Claims use* since July 13, 1925.

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Ser. No. 218,254. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLDEN STATE MILK PRODUCTS COMPANY, San Francisco, Calif. Filed Aug. 1, 1925.

MILKETTES

*Particular description of goods.*—Candy Tablets Made of Sugar, Milk Powder, and Flavoring Matter.

*Claims use* since June 15, 1925.

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Ser. No. 218,302. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLEMING-GREEN COMPANY, Inc., Montgomery, Ala. Filed Aug. 3, 1925.

PIKNIK

*Particular description of goods.*—Sweet Spiced Pepper Sauce.

*Claims use* since Jan. 12, 1925.

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Ser. No. 218,316. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LOVIT COMPANY, Milwaukee, Wis. Filed Aug. 3, 1925.

A BETTER FOOD DRINK
TRY
LOVIT
RICH
IN FOOD VALUES

Exclusive right to the use of the words "A Better Food Drink," "Try," or "Rich in Food Values" is disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Cereal Mixture Serving as a Substitute for Coffee.

*Claims use* since June 18, 1925.

Ser. No. 218,318. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) NATIONAL WASHBOARD COMPANY, Chicago, Ill., and Saginaw, Mich. Filed Aug. 3, 1925.

KITCHENET

*Particular description of goods.*—Folding Ironing Tables and Washboards.
*Claims use* since June 1, 1925.

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Ser. No. 218,343. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) TUTHILL & BAILEY MANUFACTURING COMPANY, New York and Brooklyn, N. Y. Filed Aug. 3, 1925.

COBBLE

*Particular description of goods.*—Heating and Ventilating Apparatus—Namely, Register Tops.
*Claims use* since July 8, 1925.

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Ser. No. 218,344. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) H. VAN DRIESSCHE CO., INC., Gloversville, N. Y. Filed Aug. 3, 1925.

KAR-KEE-KASE

Exclusive use of any of the words or groups of letters being specifically disclaimed except in the specific combination shown.
*Particular description of goods.*—Pocketbooks.
*Claims use* since May 1, 1925.

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Ser. No. 218,346. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE CROSS FOOD COMPANY, Racine, Wis. Filed Aug. 3, 1925.

*Particular description of goods.*—Malted Milk.
*Claims use* since Apr. 7, 1925.

Ser. No. 218,363. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) A. C. LAWRENCE LEATHER COMPANY, Boston, Mass. Filed Aug. 4, 1925.

SPINNA

*Particular description of goods.*—Leather.
*Claims use* since June 13, 1925.

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Ser. No. 218,373. (CLASS 37. PAPER AND STATIONERY.) ANNA E. RILEY, doing business as Ace Art Company, Reading, Mass. Filed Aug. 4, 1925.

NUACE

*Particular description of goods.*—Corner Mounts for Photographs.
*Claims use* since Jan. 1, 1924.

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Ser. No. 218,500. (CLASS 39. CLOTHING.) ROGERS FIBRE COMPANY, Boston, Mass. Filed Aug. 6, 1925.

MOUSAM

Trade-mark consists of the word "Mousam."
*Particular description of goods.*—Counters for Shoes.
*Claims use* since 1876.

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Ser. No. 218,503. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SHORBS-MUELLER COMPANY, Cedar Rapids, Iowa. Filed Aug 6, 1925.

RED CREST

*Particular description of goods.*—Medicinal Tablets for Treating Diseases of Poultry.
*Claims use* since June 3, 1925.

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Ser. No. 218,504. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EBBE L. SMITH, doing business as Water Sprites Products Co., Barberton, Ohio. Filed Aug. 6, 1925.

WATER SPRITES

*Particular description of goods.*—Chemical Crystal in Powder Form Used for Softening Water and Cleaning Purposes.
*Claims use* since May 23, 1925.



Ser. No. 218,511. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Aug. 6, 1925.

Washburn's KING WHEAT FLOUR

All wording is disclaimed apart from the mark as shown on drawing.
*Particular description of goods.*—Wheat Flour.
*Claims use* since May 8, 1924.

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Ser. No. 218,515. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WEYDIG PIANO CORPORATION, New York, N. Y. Filed Aug. 6, 1925.

HARDING

No claim is made to the surname "Harding" apart from the mark shown in the drawing.
*Particular description of goods.*—Pianos.
*Claims use* since Jan. 1, 1923.

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Ser. No. 218,517. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEIGH CHEMIST, INC., New York, N. Y. Filed Aug. 7, 1925.

BAINAQUA

*Particular description of goods.*—Perfumes, Toilet Waters, Bath Salts, and Face, Hair, and Hand Lotions.
*Claims use* since May 17, 1925.

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Ser. No. 218,531. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TROCO COMPANY, Chicago, Ill. Filed Aug. 7, 1925.

Purfido

*Particular description of goods.*—Oleomargarine and a Compound Composed of Cottonseed Oil, Beef Stearine, Water, and Salt Used as a Shortening in Baking, Also for Producing Oleomargarine by Adding Milk to the Aforesaid Ingredients.
*Claims use* since March, 1921.

Ser. No. 218,548. (CLASS 39. CLOTHING.) REMEE RUBBER COMPANY, INC., Trenton, N. J. Filed Aug. 8, 1925.

BUMPER

*Particular description of goods.*—Rubber Heels.
*Claims use* since July 27, 1925.

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Ser. No. 218,559. (CLASS 37. PAPER AND STATIONERY.) INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Aug. 8, 1925.

TORRENT

*Particular description of goods.*—Writing and Printing Paper.
*Claims use* since July 16, 1925.

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Ser. No. 218,570. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OCEANIC PRODUCTS COMPANY, Newark, N. J. Filed Aug. 8, 1925.

SEA-LAX

*Particular description of goods.*—Laxative.
*Claims use* since Aug. 6, 1925.

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Ser. No. 218,597. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) BUSCHE STAMPING & SPINNING MFG. CO. INC., Buffalo, N. Y. Filed Aug. 10, 1925.

TUMBELIN

*Particular description of goods.*—Ash Trays.
*Claims use* since June 15, 1925.

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Ser. No. 218,607. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CENTRAL LABORATORIES CO., Wheeling, W. Va. Filed Aug. 10, 1925.

Auto Seal

*Particular description of goods.*—Radiator-Sealing Cement in Liquid Form, Radiator-Sealing Cement in Powder Form, and Antifreeze Compounds for Radiators.
*Claims use* since June 8, 1925.

Ser. No. 218,608. (CLASS 5. ADHESIVES.) CENTRAL LABORATORIES CO., Wheeling, W. Va. Filed Aug. 10, 1925.

Auto EZE

*Particular description of goods.*—Rubber Cement and Gasket Cement.
*Claims use* since June 8, 1925.

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Ser. No. 218,665. (CLASS 31. FILTERS AND REFRIGERATORS.) JACQUES ROSCOTT, Lake Ronkonkoma and New York, N. Y. Filed Aug. 10, 1925.

ICY-QUICK

*Particular description of goods.*—Refrigerators.
*Claims use* since about Apr. 10, 1925.

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Ser. No. 218,668. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCHLOSS & KAHN GROCERY CO., Montgomery, Ala. Filed Aug. 10, 1925.

SUNDAY DINNER

*Particular description of goods.*—Salt.
*Claims use* since June, 1922.

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Ser. No. 218,675. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARD-LOVE PUMP CORPORATION, Rockford, Ill. Filed Aug. 10, 1925.

SILOX

Trade-mark consists of the word "Silox."
*Particular description of goods.*—Base-Exchange Water-Softening Materials, such as Zeolites.
*Claims use* since Sept. 1, 1924.

Ser. No. 218,696. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE GENERAL MATCH CO., Reading, Cincinnati, Ohio. Filed Aug. 11, 1925.

PET

*Particular description of goods.*—Matches.
*Claims use* since July 1, 1925.

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Ser. No. 218,724. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WHEELER'S INSECTICIDE CO., Fort Valley, Ga. Filed Aug. 11, 1925.

SWEET RELIEF

*Particular description of goods.*—Insecticide.
*Claims use* since Jan. 1, 1925.

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Ser. No. 218,725. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULES WORMSER, Paris, France. Filed Aug. 11, 1925.

CHERUIT

*Particular description of goods.*—Perfume, Toilet Water, Face Powder, Talcum Powder, Face Creams, Brilliantine, Lotion for the Skin and Hair, Rouges, Sachet, and Bath Salts.
*Claims use* since July 1, 1925.

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Ser. No. 218,743. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) DOUGAL BROS., London, England. Filed Aug. 12, 1925.

RANCHER

*Particular description of goods.*—Matches.
*Claims use* since September, 1923.



Ser. No. 218,744. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) DOUGAL BROS., London, England. Filed Aug. 12, 1925.

FARMER

*Particular description of goods.*—Matches.
*Claims use* since September, 1923.

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Ser. No. 218,756. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HANCE BROTHERS & WHITE INCORPORATED, Philadelphia, Pa. Filed Aug. 12, 1925.

FLY-EX

*Particular description of goods.*—Preparation for Insecticides.
*Claims use* since July 29, 1925.

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Ser. No. 218,779. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE ANONYME OMNIUM DE SPECIALITES & PRODUITS CHIMIQUES, Paris, France. Filed Aug. 12, 1925.

LAC LACTOBYL BYL

*Particular description of goods.*—Preparation in Tablet Form for Regulating the Biliary and Intestinal Secretions.
*Claims use* since Apr. 7, 1924.

Ser. No. 218,780. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE ANONYME OMNIUM DE SPECIALITES & PRODUITS CHIMIQUES, Paris, France. Filed Aug. 12, 1925.

TAXOL

*Particular description of goods.*—Preparation in Tablet Form for Regulating the Biliary and Intestinal Secretions.
*Claims use* since Sept. 24, 1923.

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Ser. No. 218,781. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH TRINER COMPANY, Chicago, Ill. Filed Aug. 12, 1925. Under ten-year proviso.

TRINER'S PREPARATIONS

*Particular description of goods.*—Liniment Used for the Treatment and Relief of Stiff Joints, Lumbago, Sciatica, Stiff Neck, Sprains, Cramps, Neuralgia, and Like Ailments; Hand Lotion for the Treatment of Rough and Irritated Skin, Chapped Hands and Face; Liquid Hair Shampoo; Cough Sedative for the Treatment of Hoarseness, Colds, Bronchial Coughs, Sore Throat, and Other Like Ailments.
*Claims use* since 1890.

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Ser. No. 218,784. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. A. BROMUND CO., New York, N. Y. Filed Aug. 13, 1925.

SNOWFLAKE

*Particular description of goods.*—Stearic Acid.
*Claims use* since Oct. 1, 1907.

Ser. No. 218,809. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD H. FOW, Philadelphia, Pa. Filed Aug. 18, 1925.

FATGO

*Particular description of goods.*—Reducing Remedy.
*Claims use* since on or about July 27, 1926.

Ser. No. 218,849. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. FUOSS, Minneapolis, Minn. Filed Aug. 14, 1925.

SANEX

*Particular description of goods.*—Vaginal Douche.
*Claims use* since June 11, 1925.

Ser. No. 218,877. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY SOODSMA & COMPANY, Paterson, N. J. Filed Aug. 14, 1925.

FALL-LEAF

*Particular description of goods.*—Salt.
*Claims use* since Mar. 1, 1919.

Ser. No. 218,984. CLASS 39. CLOTHING.) MODEL BRASSIERE CO. INC., New York, N. Y. Filed Aug. 17, 1925.

Scanties

*Particular description of goods.*—Combination Garment Comprising a Combination of Brassière, Girdle, Step-In, and Vest.
*Claims use* since Aug. 13, 1925.

Ser. No. 219,031. (CLASS 39. CLOTHING.) GRASS-GROSSINGER COMPANY, Scranton, Pa. Filed Aug. 18, 1925.

*Particular description of goods.*—Men's and Boys' Hats and Caps.
*Claims use* since April, 1923.

Ser. No. 219,187. (CLASS 39. CLOTHING.) JARMAN SHOE CO., Nashville, Tenn. Filed Aug. 21, 1925.

FRIENDLY

Trade-mark consists in the word "Friendly."
*Particular description of goods.*—Boots and Shoes Made Wholly or in Part of Leather.
*Claims use* since June 23, 1925.

Ser. No. 219,212. (CLASS 39. CLOTHING.) A. W. TEDCASTLE COMPANY, Boston, Mass. Filed Aug. 21, 1925.

Sally Ann

*Particular description of goods.*—Leather Shoes.
*Claims use* since July 15, 1925.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

OCTOBER 6, 1925.

204,000. VINEGAR. OLYMPIA CANNING COMPANY, Olympia, Wash.
Filed April 20, 1925. Serial No. 213,036. PUBLISHED JULY 14, 1925.

204,001. ICE-CREAM CONES. JAMES R. FOSS, La Crosse, Wis.
Filed April 17, 1925. Serial No. 212,868. PUBLISHED JULY 21, 1925.

204,002. EGGS, LIVE POULTRY, AND DRESSED POULTRY. F. A. MILLARD, Kingsville, Mo.
Filed February 24, 1925. Serial No. 210,069. PUBLISHED JULY 14, 1925.

204,003. FOOD SUBSTANCES AND PREPARATIONS FOR DOGS, POULTRY, AND GAME. SPRATT'S PATENT LIMITED, London, England.
Filed February 14, 1925. Serial No. 209,596. PUBLISHED JULY 14, 1925.

204,004. FOOD PRODUCT IN THE NATURE OF A CARBOHYDRATE PREPARED FROM MALTOSE-DEXTRIN, CORN SIRUP, AND THE JUICE OF FRESH ORANGES. MERRELL-SOULE COMPANY, Syracuse, N. Y.
Filed February 12, 1925. Serial No. 209,486. PUBLISHED JULY 7, 1925.

204,005. OILS AND GREASES HAVING A MINERAL BASE, INCLUDING BURNING OILS, MOTOR FUELS, FUEL OILS, AND LUBRICANTS. GENERAL PETROLEUM CORPORATION, Los Angeles, Calif.
Filed January 14, 1925. Serial No. 208,097. PUBLISHED JUNE 16, 1925.

204,006. RADIO SIGNALING APPARATUS AND PARTS THEREOF, COMPRISING CONDENSERS, GRID LEAKS, POTENTIOMETERS, RHEOSTATS, VACUUM TUBE DETECTORS, SWITCH ARMS AND LEVERS, TRANSFORMERS, AND TUNERS. CENTRAL RADIO LABORATORIES, Milwaukee, Wis.
Filed January 10, 1925. Serial No. 207,918. PUBLISHED JUNE 9, 1925.

204,007. HONEY. AWC-CO PRESERVING CO., Birmingham, Ala.
Filed December 5, 1924. Serial No. 206,272. PUBLISHED JULY 21, 1925.

204,008. HOMEMADE COTTAGE CHEESE, MAYONNAISE DRESSING, PICKLED VEGETABLE RELISH, AND JELLIES. CHRISTINA R. RITZ, Marshfield, Oreg.
Filed November 28, 1924. Serial No. 205,951. PUBLISHED JULY 14, 1925.

204,009. CANNED FRUITS, BERRIES, VEGETABLES, FRUIT SALAD, TOMATO PURÉE, SAUERKRAUT, JAMS, APPLE SAUCE, CRANBERRY SAUCE, AND PORK WITH BEANS; BOTTLED RASPBERRY JAM, RASPBERRY PRESERVES, TOMATO CATCHUP, PICKLES, VINEGAR, DRIED CURRANTS, PRUNES, AND RAISINS, GUAVA JELLY, AND SPICES. REID, MURDOCH & Co., Chicago, Ill.
Filed May 29, 1924. Serial No. 197,834. PUBLISHED JULY 21, 1925.

204,010. EGGS, SPICES, MUSTARD, COCOA, AND COFFEE. KENT STORAGE COMPANY, Grand Rapids, Mich.
Filed November 7, 1923. Serial No. 188,096. PUBLISHED JULY 21, 1925.

204,011. CANNED FRUITS AND FRUIT PRESERVES, CANNED VEGETABLES, CANNED SEA FOOD—NAMELY, CLAMS, SHRIMP, SALMON, AND HERRING; DRIED FRUITS AND MOLASSES. REID, MURDOCH & Co., Chicago, Ill.
Filed September 28, 1923. Serial No. 186,330. PUBLISHED JULY 21, 1925.

204,012. INNER TUBES, PNEUMATIC TIRES, CORD TIRES, AND FABRIC TIRES. THE COLUMBIA TIRE AND RUBBER COMPANY, Mansfield, Ohio.
Filed July 10, 1923. Serial No. 183,022. PUBLISHED SEPTEMBER 23, 1924.

204,013. WHEAT FLOUR. FUHRER-FORD MILLING CO., Mount Vernon, Ind.
Filed March 11, 1925. Serial No. 210,837. PUBLISHED JULY 21, 1925.

204,014. WHEAT FLOUR. FUHRER-FORD MILLING CO., Mount Vernon, Ind.
Filed March 11, 1925. Serial No. 210,838. PUBLISHED JULY 28, 1925.

204,015. CANNED SARDINES AND CANNED ANCHOVIES. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J.
Filed March 6, 1925. Serial No. 210,611. PUBLISHED JULY 21, 1925.

204,016. COFFEE. JANNEY-MARSHALL CO., INC., doing business as Janney Coffee Co., Fredericksburg, Va.
Filed March 5, 1925. Serial No. 210,561. PUBLISHED JULY 28, 1925.

204,017. COFFEE. JANNEY-MARSHALL CO., INC., doing business as Janney Coffee Co., Fredericksburg, Va.
Filed March 5, 1925. Serial No. 210,560. PUBLISHED JULY 28, 1925.

204,018. POWDERED SUGAR. ARTHUR M. Q. SYME, doing business as The S & E Powdered Sugar Co., Chicago, Ill.
Filed March 3, 1925. Serial No. 210,518. PUBLISHED JULY 28, 1925.

204,019. POWDERED SUGAR. ARTHUR M. Q. SYME, doing business as The S & E Powdered Sugar Co., Chicago, Ill.
Filed March 3, 1925. Serial No. 210,512. PUBLISHED JULY 28, 1925.

204,020. POWDERED SUGAR. ARTHUR M. Q. SYME, doing business as The S & E Powdered Sugar Co., Chicago, Ill.
Filed March 3, 1925. Serial No. 210,511. PUBLISHED JULY 28, 1925.

204,021. CAKE WAFERS MADE FROM SUITABLE COMBINATIONS OF ANY OF THE FOLLOWING INGREDIENTS: FLOUR, BAKING SODA, VEGETABLE FAT, MILK, WATER, SUGAR, CHOCOLATE, CHEESE, VANILLA, SPICES, AND OTHER FLAVORINGS. GENEVA BISCUIT CO., New York, N. Y.
Filed March 21, 1925. Serial No. 211,420. PUBLISHED JULY 28, 1925.

204,022. CONFECTIONS—NAMELY, FRUIT CONFECTIONS. FLOMART, INC., Santa Cruz, Calif.
Filed March 19, 1925. Serial No. 211,260. PUBLISHED JULY 21, 1925.

Ser. No. 218,809. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD H. FOW, Philadelphia, Pa. Filed Aug. 13, 1925.

FATGO

*Particular description of goods.*—Reducing Remedy.
*Claims use* since on or about July 27, 1925.

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Ser. No. 218,849. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. FUOSS, Minneapolis, Minn. Filed Aug. 14, 1925.

SANEX

*Particular description of goods.*—Vaginal Douche.
*Claims use* since June 11, 1925.

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Ser. No. 218,877. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY SOODSMA & COMPANY, Paterson, N. J. Filed Aug. 14, 1925.

FALL-LEAF

*Particular description of goods.*—Salt.
*Claims use* since Mar. 1, 1919.

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Ser. No. 218,984. CLASS 39. CLOTHING.) MODEL BRASSIERE CO. INC., New York, N. Y. Filed Aug. 17, 1925.

Scanties

*Particular description of goods.*—Combination Garment Comprising a Combination of Brassière, Girdle, Step-In, and Vest.
*Claims use* since Aug. 13, 1925.

Ser. No. 219,031. (CLASS 39. CLOTHING.) GRASS-GROSSINGER COMPANY, Scranton, Pa. Filed Aug. 18, 1925.

*Particular description of goods.*—Men's and Boys' Hats and Caps.
*Claims use* since April, 1923.

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Ser. No. 219,187. (CLASS 39. CLOTHING.) JARMAN SHOE CO., Nashville, Tenn. Filed Aug. 21, 1925.

FRIENDLY

Trade-mark consists in the word "Friendly."
*Particular description of goods.*—Boots and Shoes Made Wholly or in Part of Leather.
*Claims use* since June 23, 1925.

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Ser. No. 219,212. (CLASS 39. CLOTHING.) A. W. TEDCASTLE COMPANY, Boston, Mass. Filed Aug. 21, 1925.

Sally Ann

*Particular description of goods.*—Leather Shoes.
*Claims use* since July 15, 1925.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

OCTOBER 6, 1925.

204,000. VINEGAR. OLYMPIA CANNING COMPANY, Olympia, Wash.
Filed April 20, 1925. Serial No. 213,036. PUBLISHED JULY 14, 1925.

204,001. ICE-CREAM CONES. JAMES R. FREE, La Crosse, Wis.
Filed April 17, 1925. Serial No. 212,858. PUBLISHED JULY 21, 1925.

204,002. EGGS, LIVE POULTRY, AND DRESSED POULTRY. F. A. MILLARD, Kingsville, Mo.
Filed February 24, 1925. Serial No. 210,069. PUBLISHED JULY 14, 1925.

204,003. FOOD SUBSTANCES AND PREPARATIONS FOR DOGS, POULTRY, AND GAME. SPRATT'S PATENT LIMITED, London, England.
Filed February 14, 1925. Serial No. 209,596. PUBLISHED JULY 14, 1925.

204,004. FOOD PRODUCT IN THE NATURE OF A CARBOHYDRATE PREPARED FROM MALTOSE-DEXTRIN, CORN SIRUP, AND THE JUICE OF FRESH ORANGES. MERRELL-SOULE COMPANY, Syracuse, N. Y.
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204,005. OILS AND GREASES HAVING A MINERAL BASE, INCLUDING BURNING OILS, MOTOR FUELS, FUEL OILS, AND LUBRICANTS. GENERAL PETROLEUM CORPORATION, Los Angeles, Calif.
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204,006. RADIO SIGNALING APPARATUS AND PARTS THEREOF, COMPRISING CONDENSERS, GRID LEAKS, POTENTIOMETERS, RHEOSTATS, VACUUM TUBE DETECTORS, SWITCH ARMS AND LEVERS, TRANSFORMERS, AND TUNERS. CENTRAL RADIO LABORATORIES, Milwaukee, Wis.
Filed January 10, 1925. Serial No. 207,918. PUBLISHED JUNE 9, 1925.

204,007. HONEY. ANC-CO PRESERVING CO., Birmingham, Ala.
Filed December 5, 1924. Serial No. 206,272. PUBLISHED JULY 21, 1925.

204,008. HOMEMADE COTTAGE CHEESE, MAYONNAISE DRESSING, PICKLED VEGETABLE RELISH, AND JELLIES. CHRISTINA R. RITZ, Marshfield, Oreg.
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204,009. CANNED FRUITS, BERRIES, VEGETABLES, FRUIT SALAD, TOMATO PURÉE, SAUERKRAUT, JAMS, APPLE SAUCE, CRANBERRY SAUCE, AND PORK WITH BEANS; BOTTLED RASPBERRY JAM, RASPBERRY PRESERVES, TOMATO CATCHUP, PICKLES, VINEGAR, DRIED CURRANTS, PRUNES, AND RAISINS, GUAVA JELLY, AND SPICES. REID, MURDOCH & CO., Chicago, Ill.
Filed May 29, 1924. Serial No. 197,334. PUBLISHED JULY 21, 1925.

204,010. EGGS, SPICES, MUSTARD, COCOA, AND COFFEE. KENT STORAGE COMPANY, Grand Rapids, Mich.
Filed November 7, 1923. Serial No. 188,096. PUBLISHED JULY 21, 1925.

204,011. CANNED FRUITS AND FRUIT PRESERVES, CANNED VEGETABLES, CANNED SEA FOOD—NAMELY, CLAMS, SHRIMP, SALMON, AND HERRING; DRIED FRUITS AND MOLASSES. REID, MURDOCH & CO., Chicago, Ill.
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204,012. INNER TUBES, PNEUMATIC TIRES, CORD TIRES, AND FABRIC TIRES. THE COLUMBIA TIRE AND RUBBER COMPANY, Mansfield, Ohio.
Filed July 10, 1923. Serial No. 183,022. PUBLISHED SEPTEMBER 23, 1924.

204,013. WHEAT FLOUR. FUNKE-FORD MILLING CO., Mount Vernon, Ind.
Filed March 11, 1925. Serial No. 210,837. PUBLISHED JULY 21, 1925.

204,014. WHEAT FLOUR. FUNKE-FORD MILLING CO., Mount Vernon, Ind.
Filed March 11, 1925. Serial No. 210,838. PUBLISHED JULY 28, 1925.

204,015. CANNED SARDINES AND CANNED ANCHOVIES. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J.
Filed March 6, 1925. Serial No. 210,611. PUBLISHED JULY 21, 1925.

204,016. COFFEE. JANNEY-MARSHALL CO., INC., doing business as Janney Coffee Co., Fredericksburg, Va.
Filed March 5, 1925. Serial No. 210,561. PUBLISHED JULY 28, 1925.

204,017. COFFEE. JANNEY-MARSHALL CO., INC., doing business as Janney Coffee Co., Fredericksburg, Va.
Filed March 5, 1925. Serial No. 210,560. PUBLISHED JULY 28, 1925.

204,018. POWDERED SUGAR. ARTHUR M. Q. SYME, doing business as The S & E Powdered Sugar Co., Chicago, Ill.
Filed March 3, 1925. Serial No. 210,513. PUBLISHED JULY 28, 1925.

204,019. POWDERED SUGAR. ARTHUR M. Q. SYME, doing business as The S & E Powdered Sugar Co., Chicago, Ill.
Filed March 3, 1925. Serial No. 210,512. PUBLISHED JULY 28, 1925.

204,020. POWDERED SUGAR. ARTHUR M. Q. SYME, doing business as The S & E Powdered Sugar Co., Chicago, Ill.
Filed March 3, 1925. Serial No. 210,511. PUBLISHED JULY 28, 1925.

204,021. CAKE WAFERS MADE FROM SUITABLE COMBINATIONS OF ANY OF THE FOLLOWING INGREDIENTS: FLOUR, BAKING SODA, VEGETABLE FAT, MILK, WATER, SUGAR, CHOCOLATE, CHEESE, VANILLA, SPICES, AND OTHER FLAVORINGS. GENEVA BISCUIT CO., New York, N. Y.
Filed March 21, 1925. Serial No. 211,420. PUBLISHED JULY 28, 1925.

204,022. CONFECTIONS—NAMELY, FRUIT CONFECTIONS. FLOMART, INC., Santa Cruz, Calif.
Filed March 19, 1925. Serial No. 211,260. PUBLISHED JULY 21, 1925.

204,023. HERRING, WHOLE OR BONED OR CUT, PACKED IN SALT BRINE, VINEGAR, OIL, OR SMOKED, AND COTTONSEED OR OTHER COOKING OILS PACKED IN BARRELS, TINS, OR GLASS. KORCHIN BROS., Brooklyn, N. Y.
Filed March 14, 1925. Serial No. 211,040. PUBLISHED JULY 21, 1925.

204,024. JAMS, JELLIES, AND FRUIT PRESERVES. THE BEST-LYMER CO., St. Louis, Mo.
Filed February 21, 1925. Serial No. 209,966. PUBLISHED JULY 28, 1925.

204,025. BACON, SAUSAGE, LARD, HAMS, SHOULDERS, SPARERIBS, CHINE, PORK CHOPS, SCRAPPLE, HOGSHEAD CHEESE, PIGS' FEET DERIVED FROM HOGS, AND DRIED BEEF, HAMS, AND THE SLICED DRIED BEEF, THE SAME BEING DRESSED AND PACKED EITHER IN A RAW OR CURED CONDITION AND BEING CLASSIFIED. WHITE PACKING COMPANY, Salisbury, N. C.
Filed February 6, 1925. Serial No. 209,186. PUBLISHED JULY 21, 1925.

204,026. HAM. VIEDEN PACKING COMPANY, San Francisco, Calif.
Filed January 24, 1925. Serial No. 208,624. PUBLISHED JULY 21, 1925.

204,027. CAKE. GENERAL BAKING COMPANY, New York, N. Y.
Filed December 19, 1924. Serial No. 206,956. PUBLISHED JULY 21, 1925.

204,028. EATING CHOCOLATE IN CAKE FORM. BISHOP & COMPANY, Los Angeles, Calif.
Filed November 25, 1924. Serial No. 205,814. PUBLISHED JULY 28, 1925.

204,029. FRESH DECIDUOUS FRUITS. FRED W. MOORE, Dinuba and North Dinuba, Calif.
Filed October 7, 1924. Serial No. 208,529. PUBLISHED JULY 21, 1925.

204,030. LARD SUBSTITUTES—NAMELY, VEGETABLE SHORTENING COMPOUNDS. HAUSER PACKING COMPANY, Los Angeles, Calif.
Filed July 19, 1924. Serial No. 200,255. PUBLISHED JULY 21, 1925.

204,031. COFFEE. ATLANTIC COFFEE CO., INC., Richmond, Va.
Filed May 27, 1924. Serial No. 197,648. PUBLISHED JULY 21, 1925.

204,032. HAMS, BACON, LARD, SAUSAGE, COTTAGE HAM, AND PORK PRODUCTS. A. FINK & SONS, Newark, N. J.
Filed May 11, 1923. Serial No. 180,471. PUBLISHED JULY 28, 1925.

204,033. LADIES' AND MISSES' HATS. ARTISTIC HAT WORKS, INC., Chicago, Ill.
Filed April 27, 1925. Serial No. 213,354. PUBLISHED JULY 7, 1925.

204,034. VARNISHES, PAINT ENAMELS, STAINS, UNDERCOATING, FLOOR OILS, PREPARED SHELLACS, OUTSIDE PAINT, INTERIOR PAINT, FLOOR PAINT, LACQUERS, AND LINOLEUM VARNISH WITH A LUSTROUS FINISH. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill.
Filed April 25, 1925. Serial No. 213,297. PUBLISHED JULY 14, 1925.

204,035. VARNISHES AND LACQUERS. THE WADSWORTH WATCH CASE CO., Dayton, Ky.
Filed April 28, 1925. Serial No. 213,206. PUBLISHED JULY 21, 1925.

204,036. LEATHER SHOES. CRADDOCK-TERRY CO., Lynchburg, Va.
Filed April 21, 1925. Serial No. 213,065. PUBLISHED JULY 7, 1925.

204,037. POLISHING AND CLEANSING MATERIAL FOR AUTOMOBILES, PIANOS, VICTROLAS, DESKS, AND ALL KINDS OF FURNITURE AND WOODWORK. ROY H. JENKINS, doing business as Molydite Laboratories, Detroit, Mich.
Filed April 18, 1925. Serial No. 212,925. PUBLISHED JULY 21, 1925.

204,038. HOSIERY. GLENGARR COMPANY, Franklin, N. H.
Filed April 2, 1925. Serial No. 212,079. PUBLISHED JUNE 30, 1925.

204,039. AUTOMOBILE CLEANING COMPOUND IN THE NATURE OF A POLISH. C-M-PRODUCTS COMPANY, Houston, Tex.
Filed March 23, 1925. Serial No. 211,459. PUBLISHED JULY 21, 1925.

204,040. MEN'S SOFT FELT HATS, STIFF FELT HATS, AND VELOUR HATS. THE MURPHY-GORMAN COMPANY, Danbury, Conn.
Filed March 16, 1925. Serial No. 211,116. PUBLISHED JUNE 30, 1925.

204,041. SAFETY RAZORS. GEM SAFETY RAZOR CORPORATION, Brooklyn, N. Y.
Filed June 16, 1925. Serial No. 215,853. PUBLISHED JULY 28, 1925.

204,042. SAFETY RAZORS. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y.
Filed June 16, 1925. Serial No. 215,838. PUBLISHED JULY 28, 1925.

204,043. WHEAT MIDDLINGS. MOSELEY & MOTLEY MILLING CO., Rochester, N. Y.
Filed June 12, 1925. Serial No. 215,700. PUBLISHED JULY 21, 1925.

204,044. BREAD AND CAKE ROLLS. HASKELL CORPORATION, Niagara Falls, N. Y.
Filed June 12, 1925. Serial No. 215,691. PUBLISHED JULY 21, 1925.

204,045. CHEESE. JOSEPH CAPOLINO, New York, N. Y.
Filed June 12, 1925. Serial No. 215,680. PUBLISHED JULY 21, 1925.

204,046. SELF-RISING WHEAT FLOUR. THE RED STAR MILLING COMPANY, Wichita, Kans.
Filed June 6, 1925. Serial No. 215,417. PUBLISHED JULY 21, 1925.

204,047. EGGS. TOLOMA CREAMERY, Los Angeles, Calif.
Filed June 1, 1925. Serial No. 215,190. PUBLISHED JULY 21, 1925.

204,048. CORNSTARCH. CLINTON CORN SYRUP REFINING COMPANY, Clinton, Iowa.
Filed June 1, 1925. Serial No. 215,136. PUBLISHED JULY 28, 1925.

204,049. STOCK FEED. AMERICAN MILK COMPANY, Chicago, Ill.
Filed June 1, 1925. Serial No. 215,120. PUBLISHED JULY 21, 1925.

204,050. CANDY. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa.
Filed June 12, 1925. Serial No. 215,724. PUBLISHED JULY 28, 1925.

204,051. CANDY. THE CHANDLER AND RUDD COMPANY, Cleveland, Ohio.
Filed June 6, 1925. Serial No. 215,401. PUBLISHED JULY 28, 1925.

204,052. CANDY. DE WITT P. HENRY CO., Philadelphia, Pa.
Filed June 3, 1925. Serial No. 215,254. PUBLISHED JULY 28, 1925.

204,053. SPECIALLY-PREPARED CANNED YELLOWTAIL FISH. PACIFIC ORIENT COMPANY, San Francisco, Calif.
Filed June 1, 1925. Serial No. 215,172. PUBLISHED JULY 21, 1925.



204,054. FRESH GRAPES. CORTES GROWERS ASSOCIATION, Cortes and Turlock, Calif.
Filed May 27, 1925. Serial No. 214,945. PUBLISHED JULY 21, 1925.

204,055. FRUIT PRESERVES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed May 23, 1925. Serial No. 214,827. PUBLISHED JULY 21, 1925.

204,056. CANDIES. SPERRY CANDY COMPANY, Milwaukee, Wis.
Filed May 21, 1925. Serial No. 214,694. PUBLISHED JULY 28, 1925.

204,057. HAM AND BACON. THE STANDARD PACKING COMPANY, Los Angeles, Calif.
Filed May 19, 1925. Serial No. 214,570. PUBLISHED JULY 28, 1925.

204,058. COFFEE. WALTER L. EVANS, doing business as Lone Star Coffee Co., Dallas, Tex.
Filed May 19, 1925. Serial No. 214,589. PUBLISHED JULY 21, 1925.

204,059. CANDY. PAUL F. BEICH COMPANY, Bloomington, Ill.
Filed May 16, 1925. Serial No. 214,392. PUBLISHED JULY 28, 1925.

204,060. FRUIT, PARTICULARLY FRESH APPLES. RED APPLE ORCHARD CORPORATION, Shipman, Va.
Filed May 13, 1925. Serial No. 214,276. PUBLISHED JULY 21, 1925.

204,061. FRESH, FROZEN, AND SMOKED FISH. KOLBE FISH COMPANY, Erie, Pa.
Filed May 9, 1925. Serial No. 214,084. PUBLISHED JULY 21, 1925.

204,062. CONFECTIONERY—NAMELY, BAR CANDY. THE FIELD COMPANY, Brockton, Mass.
Filed May 9, 1925. Serial No. 214,067. PUBLISHED JULY 21, 1925.

204,063. [WITHDRAWN.]

204,064. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. ESCONDIDO FRUIT GROWERS ASSOCIATION, Escondido, Calif.
Filed May 4, 1925. Serial No. 213,777. PUBLISHED JULY 28, 1925.

204,065. CANNED VEGETABLES—NAMELY, CANNED CORN. IOWA CANNING CO., Vinton, Iowa.
Filed May 1, 1925. Serial No. 213,652. PUBLISHED JULY 21, 1925.

204,066. FRESH CITROUS FRUITS. BABSON PARK CITRUS GROWERS' ASSN., Babson Park, Fla.
Filed April 24, 1925. Serial No. 213,219. PUBLISHED JULY 21, 1925.

204,067. CANNED SALMON. IDEAL SMOKED FISH CORP., New York, N. Y.
Filed April 21, 1925. Serial No. 213,089. PUBLISHED JULY 21, 1925.

204,068. CANDY. DARROW & RUDDEN, New York, N. Y.
Filed April 18, 1925. Serial No. 212,895. PUBLISHED JULY 21, 1925.

204,069. FRESH DECIDUOUS FRUITS. G. D. THEMEL, Cool, Calif.
Filed April 15, 1925. Serial No. 212,762. PUBLISHED JULY 21, 1925.

204,070. TRACTORS AND TRACTOR WHEELS. CAMPCO TRACTORS, INC., Stockton, Calif.
Filed May 4, 1925. Serial No. 213,767. PUBLISHED JULY 21, 1925.

204,071. RUBBER BELTING. THE JEFFREY MANUFACTURING CO., Columbus, Ohio.
Filed April 25, 1925. Serial No. 213,807. PUBLISHED JUNE 23, 1925.

204,072. RUBBER BELTING. THE JEFFREY MANUFACTURING CO., Columbus, Ohio.
Filed April 25, 1925. Serial No. 213,806. PUBLISHED JUNE 23, 1925.

204,073. HORSESHOE CALKS. PHOENIX HORSE SHOE CO., Chicago, Ill. and New York, N. Y.
Filed April 20, 1925. Serial No. 213,041. PUBLISHED JULY 28, 1925.

204,074. READY-MIXED-PAINT CEMENT PRESERVATIVES. GEO. D. WETHERILL & CO., INC., Philadelphia, Pa.
Filed April 15, 1925. Serial No. 212,768. PUBLISHED JULY 14, 1925.

204,075. BUTTER. SOUTHERN ICE & UTILITIES COMPANY, doing business as The Southern Creameries, Dallas, Tex.
Filed April 10, 1925. Serial No. 212,510. PUBLISHED JULY 28, 1925.

204,076. OLEOMARGARINE. ECKERSON COMPANY, Jersey City, N. J.
Filed April 10, 1925. Serial No. 212,486. PUBLISHED JULY 21, 1925.

204,077. SHOVELS. ZENITH SHOVEL COMPANY, Chicago, Ill.
Filed April 2, 1925. Serial No. 212,115. PUBLISHED JULY 21, 1925.

204,078. CONFECTIONS CONSISTING OF HONEY AND NUT FILLING BETWEEN WAFERS, THE WHOLE HAVING A CHOCOLATE COATING. VERMONT PRODUCTS CORPORATION, Brattleboro, Vt.
Filed March 24, 1925. Serial No. 211,556. PUBLISHED JULY 28, 1925.

204,079. WELL PUMPS, WELL-PUMP PARTS, AND FITTINGS, INCLUDING CAGES, PLUNGER BUSHINGS, PLUNGER NUTS, SEATS, STANDING VALVE SLEEVES, PLUNGER EXTENSIONS, AND EXTENSION SHOES, PUMP RODS, AND COUPLINGS. D. & B. PUMP AND SUPPLY CO., Los Angeles, Calif.
Filed March 23, 1925. Serial No. 211,462. PUBLISHED JULY 21, 1925.

204,080. READY-MIXED PAINTS. ILLINOIS OIL COMPANY, Rock Island, Ill.
Filed March 7, 1925. Serial No. 210,665. PUBLISHED JULY 21, 1925.

204,081. POULTRY AND STOCK FOOD. MARITIME MILLING CO. INC., New York, N. Y.
Filed January 29, 1925. Serial No. 208,816. PUBLISHED JULY 28, 1925.

204,082. ACCESSORIES FOR AUTOMOTIVE VEHICLES—NAMELY, MECHANICALLY-OPERATED HORNS. GILMORE-HARRIS-HORNBECK CO., Philadelphia, Pa.
Filed January 10, 1925. Serial No. 207,980. PUBLISHED JULY 21, 1925.

204,083. CEMENT FOR ELECTRICAL INSULATORS, ESPECIALLY PORCELAIN INSULATORS. PORZELLANFABRIK PR. ROSENTHAL & CO., AKTIENGESELLSCHAFT, Berlin, Germany.
Filed January 2, 1925. Serial No. 207,598. PUBLISHED JULY 28, 1925.

204,084. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,870. PUBLISHED JULY 28, 1925.

204,085. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,862. PUBLISHED JULY 21, 1925.

204,086. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,859. PUBLISHED JULY 28, 1925.

204,087. BISCUITS, SUGAR WAFERS, CAKES, COOKIES, AND CRACKERS. BREMNER BROS., Chicago, Ill.
Filed May 19, 1924. Serial No. 197,251. PUBLISHED JULY 21, 1925.

204,088. STOCK FOOD. MOLASSES FEEDS COMPANY, St. Paul, Minn.
Filed May 5, 1924. Serial No. 196,605. PUBLISHED JULY 21, 1925.

204,089. BUTTER. BRIDGEMAN-RUSSELL CO., Duluth, Minn.
Filed November 28, 1921. Serial No. 155,986. PUBLISHED JULY 28, 1925.

204,090. STICK CANDY. LOVELACE CANDY CO., Nashville, Tenn.
Filed May 11, 1925. Serial No. 214,169. PUBLISHED JULY 21, 1925.

204,091. SHOES AND SLIPPERS CONSISTING OF LEATHER SOLES AND UPPERS OF LEATHER, CAMEL'S HAIR, FELT, OR OTHER FABRIC, OR OF COMBINATIONS OF SUCH MATERIALS. ICAS SLIPPER COMPANY, INC., New York, N. Y.
Filed March 14, 1925. Serial No. 211,081. PUBLISHED MAY 19, 1925.

204,092. SOUND-EMITTING APPARATUS HAVING A DIAPHRAGM DRIVEN BY FLUID UNDER PRESSURE—NAMELY, SIRENS, FOGHORNS, SIGNALING HORNS, AND WHISTLES. KOCKUMS MEKANISKA VERKSTADS AKTIEBOLAG Malmo, Sweden.
Filed March 9, 1925. Serial No. 210,735. PUBLISHED JULY 21, 1925.

204,093. WOMEN'S, MEN'S, AND BOYS' HATS AND CAPS, MORE PARTICULARLY BUT WITHOUT LIMITATION TO SOFT, CLOTH, CRUSH, DERBY, SILK, OPERA, BEAVER, VELOUR, STRAW, LEGHORN, BANGKOK, AND PANAMA HATS AND POLO AND PITH HELMETS. HERBERT JOHNSON, London, England.
Filed December 29, 1924. Serial No. 207,335. PUBLISHED JUNE 2, 1925.

204,094. LAMPBLACK AND CARBON-GAS BLACK. WILCKES MARTIN WILCKES COMPANY, New York, N. Y.
Filed December 27, 1924. Serial No. 207,322. PUBLISHED JULY 14, 1925.

204,095. READY-MIXED PAINTS, VARNISHES, AND PREPARED SHELLAC. SUMMIT VARNISH COMPANY, Summit, Ill.
Filed June 12, 1924. Serial No. 198,488. PUBLISHED JULY 21, 1925.

204,096. COMBINATION CORSETS AND BRASSIÈRES. INTERNATIONAL CORSET COMPANY, Aurora, Ill.
Filed April 25, 1924. Serial No. 196,118. PUBLISHED MARCH 10, 1925.

204,097. CLEANSER AND POLISH FOR FURNITURE, WOODWORK, AND AUTOMOBILES, LEATHER, PORCELAIN, AND GLASS. HOLDEN PRODUCTS CORPORATION, New York, N. Y.
Filed August 21, 1922. Serial No. 184,791. PUBLISHED JULY 14, 1925.

204,098. MEN'S, WOMEN'S, AND CHILDREN'S RAINCOATS, HATS, HOSIERY, GLOVES OF LEATHER, RUBBER, AND FABRIC, RUBBER BOOTS, AND RUBBER SHOES. SOCIÉTÉ FRANÇAISE TRIDOLNIK, Levallois-Perret, France.
Filed June 7, 1923. Serial No. 181,655. PUBLISHED JULY 14, 1925.

204,099. LEATHER AND KID GLOVES. STEINBERGER BROS. LOEL CO. INC., New York, N. Y.
Filed April 7, 1923. Serial No. 178,777. PUBLISHED DECEMBER 9, 1924.

204,100. LEATHER AND KID GLOVES. STEINBERGER BROS. LOEL CO. INC., New York, N. Y.
Filed April 7, 1923. Serial No. 178,776. PUBLISHED DECEMBER 9, 1924.

204,101. PAINTS AND COLORS (DRY, PASTE, LIQUID, AND SOLID). ANDRÉ LANGLOIS, Montreuil-sous-Bois, France.
Filed April 18, 1925. Serial No. 212,933. PUBLISHED JULY 14, 1925.

204,102. RUBBER HEELS. NOJAR RUBBER HEEL CO., INC., Baltimore, Md.
Filed May 19, 1925. Serial No. 214,559. PUBLISHED JULY 14, 1925.

204,103. COW HOBBLE AND TAIL HOLDER. SIMONSEN IRON WORKS, Sioux Rapids, Iowa.
Filed May 18, 1925. Serial No. 214,506. PUBLISHED JULY 21, 1925.

204,104. HEATING AND VENTILATING UNITS AND CASINGS THEREFOR. PEERLESS UNIT VENTILATION CO., INC., Long Island City, N. Y.
Filed May 18, 1925. Serial No. 214,498. PUBLISHED JULY 21, 1925.

204,105. LADIES' AND CHILDREN'S HATS AND HAT LININGS. EMANUEL BERKENSTADT, Chicago, Ill.
Filed May 18, 1925. Serial No. 214,458. PUBLISHED JULY 21, 1925.

204,106. BRAKE SHOES. THE AMERICAN BRAKE SHOE & FOUNDRY COMPANY, Wilmington, Del., and New York, N. Y.
Filed May 16, 1925. Serial No. 214,386. PUBLISHED JULY 21, 1925.

204,107. LADIES' HATS. THE LONDON FEATHER NOVELTY COMPANY, New York, N. Y.
Filed May 8, 1925. Serial No. 214,026. PUBLISHED JULY 14, 1925.

204,108. CLOCKS AND PARTS THEREOF. HAMBURG-AMERIKANISCHE UHRENFABRIK, Schramberg, Germany.
Filed April 20, 1925. Serial No. 213,019. PUBLISHED JULY 21, 1925.

204,109. FERTILIZER. BURNHAM CHEMICAL COMPANY, Reno, Nev.
Filed March 30, 1925. Serial No. 211,829. PUBLISHED JULY 21, 1925.

204,110. RADIO RECEIVING SETS. ERNEST MARLOW COMPANY, Asbury Park, N. J.
Filed March 27, 1925. Serial No. 211,752. PUBLISHED JULY 21, 1925.

204,111. MACHINES FOR ELECTRICALLY RECORDING AND REPRODUCING SOUND. THE RECORD-O-PHONE COMPANY, Washington, D. C.
Filed March 13, 1925. Serial No. 210,983. PUBLISHED JULY 21, 1925.

204,112. LEATHER. CARL E. SCHMIDT AND COMPANY, INC., Detroit, Mich.
Filed August 21, 1924. Serial No. 201,719. PUBLISHED SEPTEMBER 30, 1924.

204,113. LEATHER GLOVES. FOWNES BROTHERS & CO. INC., New York, Gloversville, and Amsterdam, N. Y.
Filed April 10, 1924. Serial No. 195,274. PUBLISHED JULY 14, 1925.

204,114. LEATHER GLOVES. FOWNES BROTHERS & CO. INC., New York, Gloversville, and Amsterdam, N. Y.
Filed April 10, 1924. Serial No. 195,273. PUBLISHED JULY 14, 1925.

204,115. LEATHER GLOVES. FOWNES BROTHERS & CO. INC., New York, Gloversville, and Amsterdam, N. Y.
Filed April 10, 1924. Serial No. 195,272. PUBLISHED JULY 14, 1925.

204,116. LINSEED OIL. AMERICAN LINSEED COMPANY, New York, N. Y.
Filed June 9, 1925. Serial No. 215,496. PUBLISHED JULY 21, 1925.

204,117. LINSEED OIL. AMERICAN LINSEED COMPANY, New York, N. Y.
Filed June 9, 1925. Serial No. 215,497. PUBLISHED JULY 21, 1925.

204,118. LACQUER. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed June 8, 1925. Serial No. 215,458. PUBLISHED JULY 21, 1925.



204,119. LACQUER. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed June 8, 1925. Serial No. 215,455. PUBLISHED JULY 21, 1925.

204,120. LACQUER. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed June 8, 1925. Serial No. 215,454. PUBLISHED JULY 21, 1925.

204,121. LACQUERS. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed June 8, 1925. Serial No. 215,453. PUBLISHED JULY 21, 1925.

204,122. LACQUER. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed June 8, 1925. Serial No. 215,452. PUBLISHED JULY 21, 1925.

204,123. VARNISH. C. A. WOOLSEY PAINT & COLOR CO., Jersey City, N. J.
Filed May 27, 1925. Serial No. 214,986. PUBLISHED JULY 21, 1925.

204,124. PREPARED LIQUID PAINT. J. F. KURFESS PAINT COMPANY, INCORPORATED, Louisville, Ky.
Filed May 25, 1925. Serial No. 214,875. PUBLISHED JULY 21, 1925.

204,125. SHOES MADE WITH CANVAS TOPS AND RUBBER SOLES. CONVERSE RUBBER SHOE CO., Malden, Mass.
Filed May 25, 1925. Serial No. 214,852. PUBLISHED JULY 7, 1925.

204,126. SHOES AND HUNTING AND SPORTING SHOES MADE WITH WITH CANVAS TOPS AND RUBBER SOLES. CONVERSE RUBBER SHOE CO., Malden, Mass.
Filed May 25, 1925. Serial No. 214,851. PUBLISHED JULY 7, 1925.

204,127. LEATHER SOLES FOR LEATHER AND COMBINATION CLOTH AND LEATHER SHOES. MELVILLE SHOE CORPORATION, New York, N. Y.
Filed May 16, 1925. Serial No. 214,432. PUBLISHED JULY 7, 1925.

204,128. COMPOSITION SOLES FOR SHOES AND LEATHER AND COMBINATION CLOTH AND LEATHER SHOES. MELVILLE SHOE CORPORATION, New York, N. Y.
Filed May 16, 1925. Serial No. 214,430. PUBLISHED JULY 7, 1925.

204,129. READY-MIXED PAINTS. VALENTINE & COMPANY, New York, N. Y.
Filed May 18, 1925. Serial No. 214,291. PUBLISHED JULY 14, 1925.

204,130. RIVET SETS. INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y.
Filed May 6, 1925. Serial No. 213,900. PUBLISHED JULY 21, 1925.

204,131. MACHINE BELTING HAVING LEATHER AND CANVAS PLIES. J. A. WEBB BELTING COMPANY, INC., Buffalo, N. Y.
Filed May 4, 1925. Serial No. 213,819. PUBLISHED JULY 14, 1925.

204,132. TYPE-CASTING MACHINES. R. E. HOLLAND, doing business as Printers Manufacturing Company, Chicago, Ill., and Minneapolis, Minn.
Filed May 4, 1925. Serial No. 213,785. PUBLISHED JULY 21, 1925.

204,133. POLISHING WAX. JOHN S. CLEMENT COMPANY, INC., Philadelphia, Pa.
Filed April 30, 1925. Serial No. 213,550. PUBLISHED JULY 14, 1925.

204,134. CAKES. THE FISHER BROS. CO., Cleveland, Ohio.
Filed May 29, 1925. Serial No. 215,114. PUBLISHED JULY 21, 1925.

204,135. SELF-RISING WHEAT FLOUR. SOUTHERN ILLINOIS MLG. & ELEV. COMPANY, Murphysboro, Ill.
Filed May 29, 1925. Serial No. 215,100. PUBLISHED JULY 21, 1925.

204,136. SEMIPASTE PAINT. PHELAN-FAUST PAINT MANUFACTURING COMPANY, St. Louis, Mo.
Filed May 29, 1925. Serial No. 215,096. PUBLISHED JULY 21, 1925.

204,137. A SIZE, FILLER, SEALER, AND EXTENDER. PHELAN-FAUST PAINT MANUFACTURING COMPANY, St. Louis, Mo.
Filed May 29, 1925. Serial No. 215,093. PUBLISHED JULY 21, 1925.

204,138. CAKES. ONTARIO BISCUIT COMPANY, Buffalo, N. Y.
Filed May 29, 1925. Serial No. 215,089. PUBLISHED JULY 21, 1925.

204,139. BREAD—NAMELY, PUMPERNICKEL. VIENNESE BROS., INC., Jersey City, N. J.
Filed May 28, 1925. Serial No. 215,036. PUBLISHED JULY 21, 1925.

204,140. WHEAT FLOUR. THE ANSTED & BURK CO., Springfield, Ohio.
Filed May 23, 1925. Serial No. 214,771. PUBLISHED JULY 21, 1925.

204,141. WHEAT FLOUR. THE ANSTED & BURK CO., Springfield, Ohio.
Filed May 23, 1925. Serial No. 214,770. PUBLISHED JULY 21, 1925.

204,142. EDIBLE FOOD PRODUCT COMPRISED OF A FRANKFURTER PARTLY ENCASED IN DOUGH BAKED WITH THE FRANKFURTER. WAYSIDE CORPORATION, New York, N. Y.
Filed May 22, 1925. Serial No. 214,762. PUBLISHED JULY 21, 1925.

204,143. WHEAT FLOUR. THE ST. PAUL MILLING CO., St. Paul, Minn.
Filed May 20, 1925. Serial No. 214,628. PUBLISHED JULY 21, 1925.

204,144. MEAL MADE PRINCIPALLY FROM ALFALFA LEAF. THE DENVER ALFALFA MILLING & PRODUCTS CO., Lamar, Colo.
Filed May 20, 1925. Serial No. 214,589. PUBLISHED JULY 21, 1925.

204,145. BREAKFAST CEREALS. ANCHOR MILLING & GROCERY COMPANY, doing business as Anchor Milling Company, Albuquerque, N. Mex.
Filed May 20, 1925. Serial No. 214,575. PUBLISHED JULY 28, 1925.

204,146. STITCHED CANVAS AND SOLID WOVEN BELTING FOR POWER TRANSMISSION, ELEVATING AND CONVEYING, AND THRASHER BELT. THE GANDY BELTING COMPANY, Baltimore, Md.
Filed May 16, 1925. Serial No. 214,409. PUBLISHED JULY 7, 1925.

204,147. STITCHED CANVAS AND SOLID WOVEN BELTING FOR POWER TRANSMISSION, ELEVATING AND CONVEYING, AND THRASHER BELT. THE GANDY BELTING COMPANY, Baltimore, Md.
Filed May 16, 1925. Serial No. 214,408. PUBLISHED JULY 7, 1925.

204,148. OIL FINISH. DITZLER COLOR CO., Detroit, Mich.
Filed May 11, 1925. Serial No. 214,129. PUBLISHED JULY 28, 1925.

204,149. SELF-RISING FLOUR. AMENDT MILLING CO., Monroe, Mich.
Filed May 11, 1925. Serial No. 214,113. PUBLISHED JULY 28, 1925.

204,150. CAKE AND MACAROONS. DRAKE BAKERIES INCORPORATED, Brooklyn, N. Y.
Filed May 6, 1925. Serial No. 213,894. PUBLISHED JULY 28, 1925.

204,151. TRUNKS AND WARDROBE TRUNKS. W. W. WINSHIP & SONS, INC., Utica, N. Y.
Filed May 5, 1925. Serial No. 213,872. PUBLISHED JULY 28, 1925.

204,152. CAKES AND COOKIES. JUNGE BAKING COMPANY, Joplin, Mo.
Filed May 5, 1925. Serial No. 213,841. PUBLISHED JULY 21, 1925.

204,153. SPROCKET WHEELS. LINK-BELT COMPANY, Chicago, Ill.
Filed May 4, 1925. Serial No. 213,791. PUBLISHED JULY 21, 1925.

204,154. FRENCH DRESSING. THE FRENCH DRESSING SPECIALTY CO., New York, N. Y.
Filed December 20, 1924. Serial No. 207,004. PUBLISHED FEBRUARY 24, 1925.

204,155. SALAD DRESSING. OTIS CLAPP & SON, INC., Boston, Mass.
Filed May 20, 1925. Serial No. 214,609. PUBLISHED JULY 21, 1925.

204,156. GELATIN DESSERTS OF VARIOUS FLAVORS. JAMES CHALMERS, Jr., doing business as Chalmers Products Co., Williamsville, N. Y.
Filed May 16, 1925. Serial No. 214,398. PUBLISHED JULY 21, 1925.

204,157. MEN'S SHIRTS, INCLUDING NEGLIGEE SHIRTS, SHIRTS WITH LAUNDERED CUFFS AND COLLARS, AND DRESS SHIRTS. R. H. MACY & CO., INC., New York, N. Y.
Filed April 23, 1925. Serial No. 213,180. PUBLISHED JULY 7, 1925.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)].

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

204,158. (CLASS 43. THREAD AND YARN.) FRANK F. PELS COMPANY, NEW YORK, INC., New York, N. Y. Filed Jan. 29, 1925. Serial No. 208,821.

PELS

*Particular description of goods.*—Cotton Yarn, Artificial-Silk Yarn, Twist Floss, Thrown Silk, and Silk Yarn.
*Claims use* since January, 1922.

204,159. (CLASS 12. CONSTRUCTION MATERIALS.) KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Filed Jan. 14, 1925. Serial No. 208,103.

"PEERLESS"

*Particular description of goods.*—Linings of Heat-Insulating Materials.
*Claims use* since Jan. 1, 1902.

204,160. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANGLO-AMERICAN PHARMACEUTICAL CORP., New York, N. Y. Filed Dec. 17, 1924. Serial No. 206,819.

HUXLEY'S

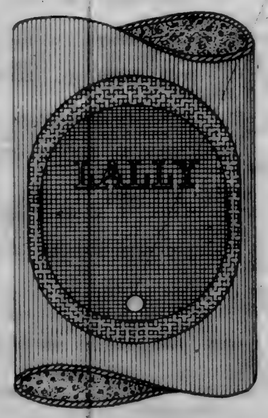
*Particular description of goods.*—Glycerophosphate Sirups, Proteid Products, Surgical Greaseless Ointments, Analgesic Creams, Hypophosphite Sirups, Endocrine Tablets, Antiluetic Preparations, Talcum Powders, Face Creams, Tooth Pastes, Antiseptic Salts, Disinfectants, Liquor Calcium, Skin-Healing Powders, Skin-Healing Dressings, Intestinal Antiseptics, Antisyphilitic Tablets, and Hemorrhoidal Medicinal Ointments.
*Claims use* since December, 1905.

204,161. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM HECHT, doing business as Hecht & Company, New York, N. Y. Filed Aug. 28, 1924. Serial No. 201,808.

YORKSHIRE SUITINGS

*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since July 25, 1924.

204,162. (CLASS 12. CONSTRUCTION MATERIALS.) LALLY COLUMN CO., Cambridge, Mass., and Brooklyn, N. Y. Filed Mar. 21, 1924. Serial No. 194,199.




*Particular description of goods.*—Building Columns of Steel or Iron Filled with Concrete or Other Plastic Material.
*Claims use* since July 3, 1923.



204,163. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANITA M. BALDWIN, Santa Anita, Calif. Filed Nov. 9, 1923. Serial No. 188,147.

Santa Anita Rancho

*Particular description of goods.*—Holstein Cattle, Swine, Fresh Fruit, Nuts, and Butter.
*Claims use* since October, 1916.

204,164. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. D. JAYNE & SON, Philadelphia, Pa. Filed July 20, 1925. Serial No. 217,622.

JAYNE'S CARMINATIVE

*Particular description of goods.*—Medicinal Compound for the Treatment of Diarrhea, Summer Complaint, and Colic.
*Claims use* since 1918.

204,165. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE JOHN LOVELL, New York, N. Y., and Chicago, Ill. Filed Aug. 1, 1925. Serial No. 218,266.

Odorkure

*Particular description of goods.*—Disinfectant and Deodorant.
*Claims use* since June 25, 1924.

204,166. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. KILMER & Co., Binghamton, N. Y. Filed June 9, 1925. Serial No. 215,520.

HERBAL EXTRACT

*Particular description of goods.*—Preparations for the Treatment of Diseases Peculiar to Women.
*Claims use* since October, 1914.

# LABELS

## REGISTERED OCTOBER 6, 1925.

29,290.—*Title:* OPAL. For Marmalade. JOHN BROWNING, doing business as John Browning Co., Berkeley, Calif. Published August 3, 1925.

29,291.—*Title:* CALIFORNIA BEAR. For Fresh Lettuce. CALIFORNIA LETTUCE GROWERS, INC., Guadalupe, Calif. Published July 14, 1925.

29,292.—*Title:* BRITE STAR. For Coffee. CLOSSET & DEVERS, Portland, Oreg. Published August 1, 1925.

29,293.—*Title:* BLUE STAR. For Coffee. CLOSSET & DEVERS, Portland, Oreg. Published August 1, 1925.

29,294.—*Title:* RED STAR. For Coffee. CLOSSET & DEVERS, Portland, Oreg. Published August 1, 1925.

29,295.—*Title:* EVERITE. For Hosiery. HOFMAYER DRY GOODS CO., Albany, Ga. Published July 6, 1925.

29,296.—*Title:* LEMON LOTION CREAM. For Lotion Cream. A. J. KRANK MFG. CO., St. Paul, Minn. Published August 19, 1920.

29,297.—*Title:* HUTCHINSON'S. For Ice Cream. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Hutchinson's Purity Ice Cream Company, Des Moines, Iowa. Published August 3, 1925.

29,298.—*Title:* RECTOR. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Rector Creamery Company, St. Joseph, Mo. Published August 20, 1925.

29,299.—*Title:* ROYAL PALM. For Cigars. W. C. MOORE, Fort Myers, Fla. Published August 25, 1925.

29,300.—*Title:* NAMCO. For Canned Chop-Suey Vegetables. NORTH AMERICAN MERCANTILE COMPANY, San Francisco, Calif. Published August 1, 1925.

29,301.—*Title:* PY-O-RA GUM. For Medicated Gum. EARLE S. STRONG, doing business as Marlebe Mfg. Co., Buffalo, N. Y. Published July 9, 1925.

29,302.—*Title:* ROCHESTER SPECIAL. For Butter. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published February 1, 1925.

29,303.—*Title:* HOLLAND LINEN. For Writing Paper, Envelopes, and Writing Tablets. THE TAYLOR-ATKINS PAPER COMPANY, East Hartford, Conn. Published July 1, 1925.

29,304.—*Title:* WHEATIES. For Whole-Wheat Flakes. WASHBURN CROSBY COMPANY, Minneapolis, Minn. Published August 4, 1925.

29,305.—*Title:* WIZARD (#2). For Polish for Use on Furniture, Woodwork, Pianos, Floors, and Automobiles. WIZARD, INC., Chicago, Ill. Published August 20, 1925.

29,306.—*Title:* WIZARD (#1). For Polish for Use on Furniture, Woodwork, Pianos, Floors, and Automobiles. WIZARD, INC., Chicago, Ill. Published August 20, 1925.

# PRINTS

## REGISTERED OCTOBER 6, 1925.

8,252.—*Title:* FOUR REASONS FOR USING CREAM OF WHEAT IN CEREAL FEEDING TREATMENT. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published August 8, 1925.

8,253.—*Title:* GOODYEAR TIRES ARE STILL LOW PRICED. For Vehicle Tires Composed Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Akron, Ohio. Published July 25, 1925.

8,254.—*Title:* NEW SPECIAL SHOCK REDUCING SPRING. For Vehicle Springs. JOSEPH KAESTNER, Burlington, Iowa. Published July 6, 1925.

8,255.—*Title:* MEYERCORD PROCESS—THE MODERN SIGN PAINTER. For Decalcomania Transfers. THE MEYERCORD COMPANY, Chicago, Ill. Published May 30, 1925.

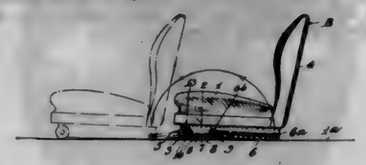
8,256.—*Title:* NAMCO CRAB. For Canned Crab Meat. NORTH AMERICAN MERCANTILE COMPANY, San Francisco, Calif. Published August 1, 1925.



# REISSUES

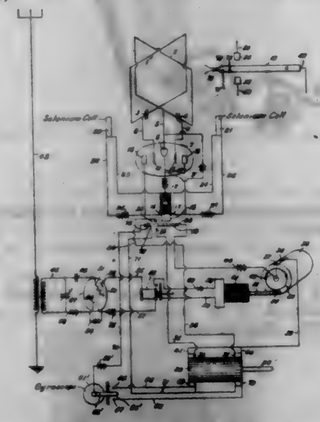
## OCTOBER 6, 1925.

16,180. MOVABLE SEAT FOR VEHICLES AND THE LIKE. ARTHUR WILLIAM CHAPMAN and FRANK GUY LANG BIDDLECOMBE, London, England. Filed Jan. 20, 1925. Serial No. 3,704. Original No. 1,444,660, dated Feb. 6, 1923, Serial No. 580,295, filed Aug. 7, 1922. 7 Claims. (Cl. 155—14.)



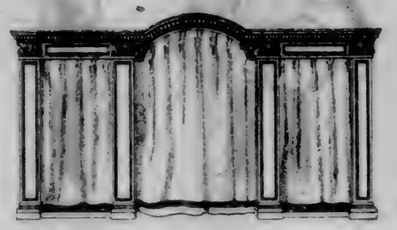
1. A vehicle or other seat including a base member therefor adapted to rest upon a support in an operative position and to be moved bodily upon said support to another position thereon, and a member pivotally connected at one end to one extremity of said base member and at its opposite end to said support on which said base member is adapted to travel; said pivoted member, when said seat is at rest in said operative position, extending substantially horizontally to maintain said seat in said operative position against movement bodily horizontally relative to said support, and, when said seat is in either of said positions, serving to facilitate the movement of said seat to the other of said positions when the seat is titited; and the opposite extremity of said base member constituting an axis about which said seat is tiltable to permit of the movement thereof from each of said positions to the other, and by which said support is continuously engaged during the movement of said seat back and forth between said positions.

16,181. SYSTEM FOR CONTROL OF MOVING BODIES BY RADIANT ENERGY. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Aug. 4, 1925. Serial No. 48,132. Original application filed June 6, 1914, Serial No. 843,562. Renewed July 24, 1923. Original No. 1,513,108, dated Oct. 28, 1924. 40 Claims. (Cl. 114—21.)



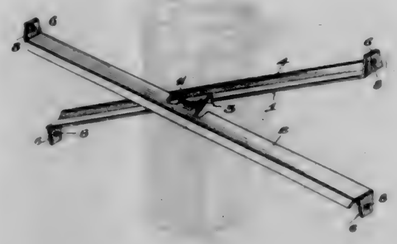
1. A system for the control of moving bodies at a distance by radiant energy, comprising in combination, a body having means to maintain a predetermined or definite direction of bodily movement thereof, and also having means for directing said body toward a source of interfering radiant energy, means for automatically terminating the control of said body by first mentioned means upon energization of said second mentioned means, and means responsive to radiant energy to terminate the movement of said body toward said source of interfering radiant energy.

16,182. DESIGN FOR A SCREEN. MOSES HIRAM HARRIS, New York, N. Y. Filed Nov. 25, 1924. Serial No. 11,470. Term of patent 14 years. Original No. 65,186, dated July 15, 1924, Serial No. 459,168, filed Apr. 6, 1921, for 3½ years.



The ornamental design for a screen, as shown.

16,183. JOIST BRIDGING. WILLIAM C. BURRELL, Kankakee, Ill., assignor to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed Mar. 14, 1925. Serial No. 15,655. Original No. 1,514,577, dated Nov. 4, 1924, Serial No. 606,077, filed Dec. 11, 1922. 9 Claims. (Cl. 20—9.)



1. As a new article of manufacture, two elongated members which cross at their mid portions and a bridging piece uniting said members where they cross and formed integrally therewith out of a piece of sheet metal, there being transverse slits margining the bridging piece to bring said members closer together, said members being bent along longitudinal lines to make them angular in cross section and on transverse lines near their ends to constitute ears.

# DESIGNS

## OCTOBER 6, 1925.

68,367. DOLL. ELIZABETH G. ADRIAN, New York, N. Y. Filed July 13, 1925. Serial No. 14,075. Term of patent 7 years.

The ornamental design for a doll, as shown.

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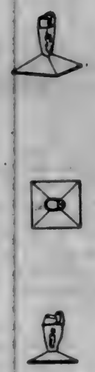
68,368. TUMBLER OR SIMILAR ARTICLE. ELMER BELL, Mount Pleasant, Pa. Filed Aug. 12, 1925. Serial No. 14,402. Term of patent 3½ years.

The ornamental design for a tumbler or similar article as shown.

68,369. PAPER WEIGHT. HENRY P. BOOS, Minneapolis, Minn. Filed Dec. 26, 1922. Serial No. 4,715. Term of patent 3½ years.



The ornamental design for a paper weight, as shown.

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68,370. ARM FOR LIGHTING FIXTURES. MICHAEL B. BOWEN, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a Corporation of Illinois. Filed Feb. 12, 1923. Serial No. 5,157. Term of patent 3½ years.

The ornamental design for an arm for lighting fixtures, as shown.

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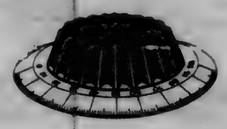
68,371. RADIODIAL. OSWALD B. CARSON, Brooklyn, N. Y., assignor to American Hard Rubber Company, Hempstead, N. Y. Filed June 9, 1925. Serial No. 13,710. Term of patent 7 years.



The ornamental design for a radiodial, as shown.





68,372. TAIL-LIGHT FACEPLATE. ISRAEL V. EDGERTON, Oak Park, Ill. Filed June 6, 1923. Serial No. 6,423. Term of patent 3½ years.

The ornamental design for a tail light faceplate, as shown.

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68,373. LIGHTING FIXTURE. JOSEPH W. GOSLING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 9, 1925. Serial No. 14,043. Term of patent 14 years.

The ornamental design for a lighting fixture as shown.

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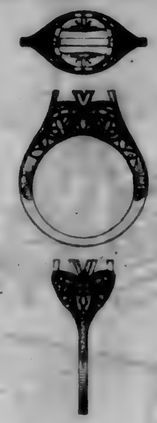
68,374. LIGHTING FIXTURE. JOSEPH W. GOSLING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 9, 1925. Serial No. 14,044. Term of patent 14 years.

The ornamental design for a lighting fixture as shown.

68,375. FINGER RING. SAMUEL GROSSMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners trading under the firm name of Klebanoff and Grossman, New York, N. Y. Filed Aug. 15, 1925. Serial No. 14,439. Term of patent 3½ years.



The ornamental design for a finger ring as shown.

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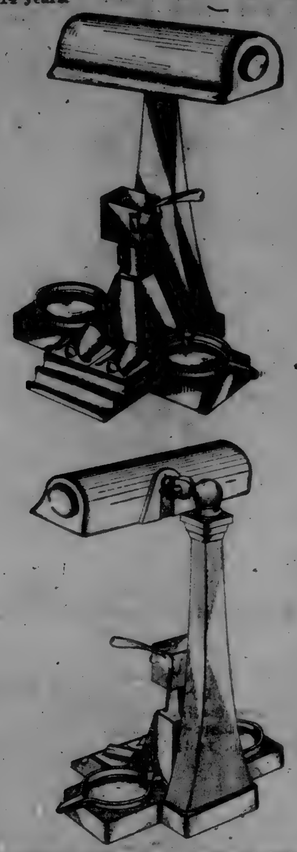
68,376. FINGER RING. SAMUEL GROSSMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners trading under the firm name of Klebanoff and Grossman, New York, N. Y. Filed Aug. 15, 1925. Serial No. 14,440. Term of patent 3½ years.

The ornamental design for a finger ring as shown.

68,377. COMBINED DESK LAMP, CIGAR LIGHTER, AND INKSTAND. SAMUEL E. GUINN, Johnson City, Tenn. Filed Feb. 3, 1925. Serial No. 12,248. Term of patent 14 years.



The ornamental design for a combined desk lamp, cigar lighter, and inkstand, as shown.

68,378. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 11, 1925. Serial No. 13,737. Term of patent 7 years.

The ornamental design for a ring, substantially as shown.

68,379. FINGER RING. SOL KAUFMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners trading under the firm name of Klebanoff and Grossman, New York, N. Y. Filed Aug. 15, 1925. Serial No. 14,441. Term of patent 3½ years.

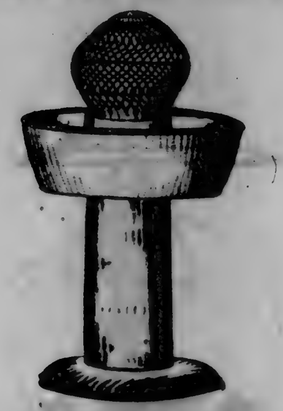
The ornamental design for a finger ring as shown.

68,380. LOCK. CLIVE W. LANPHEAR, New York, N. Y. Filed Mar. 10, 1924. Serial No. 8,887. Term of patent 3½ years.

The ornamental design for a lock, as shown.



68,381. FERNERY LAMP. LEWIS LARSEN, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed May 8, 1925. Serial No. 13,873. Term of patent 14 years.



The ornamental design for a fernery lamp, substantially as shown.

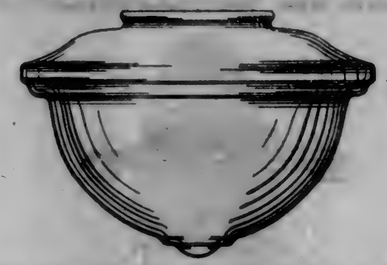
68,382. VANITY CASE. WILLIAM H. LESTER, Elgin, Ill., assignor to Elgin American Manufacturing Co., Elgin, Ill., a Corporation of Illinois. Filed Aug. 13, 1925. Serial No. 14,411. Term of patent 3½ years.

The ornamental design for a vanity case, substantially as shown.

68,383. LAMP SHADE, GEORGE A. LIPPINCOTT, Philadelphia, Pa. Filed May 2, 1925. Serial No. 13,308. Term of patent 3½ years.

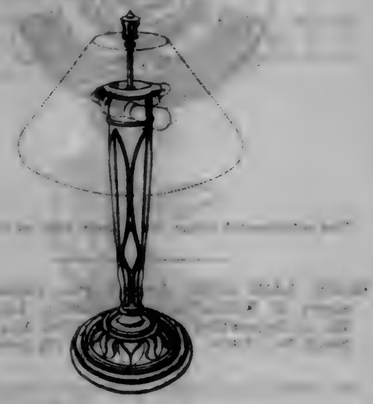
The ornamental design for a lamp shade, as shown.

68,384. LIGHTING BOWL. CHARLES BRYANT MACDOUGALL, Seattle, Wash. Filed Feb. 18, 1923. Serial No. 5,163. Term of patent 3½ years.



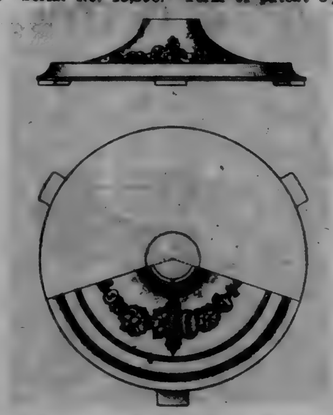
The ornamental design for a lighting bowl, as shown.

68,385. COMBINED RADIO LOUD SPEAKER AND LAMP SUPPORT. HARRY C. MAIBOHM, Sandusky, Ohio. Filed June 25, 1925. Serial No. 13,888. Term of patent 3½ years.



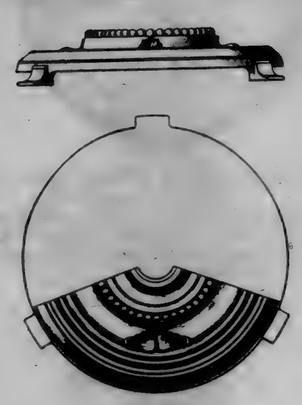
The ornamental design for a combined radio loud speaker and lamp support, as shown.

68,386. LAMP BASE. JACOB MANDEL, Chicago, Ill., assignor to Wellington-Stone Company, Inc., Chicago, Ill., a Corporation of Illinois. Filed May 11, 1925. Serial No. 13,398. Term of patent 3½ years.



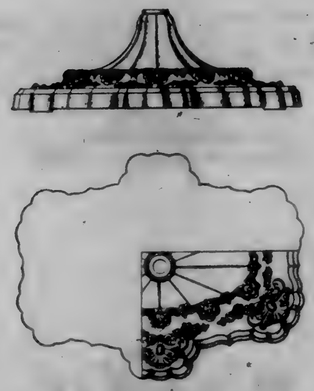
The ornamental design for a lamp base as shown.

68,387. LAMP BASE. JACOB MANDEL, Chicago, Ill., assignor to Wellington-Stone Company, Inc., Chicago, Ill., a Corporation of Illinois. Filed May 11, 1925. Serial No. 13,399. Term of patent 3½ years.



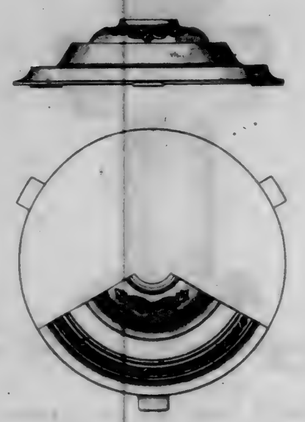
The ornamental design for a lamp base as shown.

68,388. LAMP BASE. JACOB MANDEL, Chicago, Ill., assignor to Wellington-Stone Company, Inc., Chicago, Ill., a Corporation of Illinois. Filed May 11, 1925. Serial No. 13,400. Term of patent 3½ years.



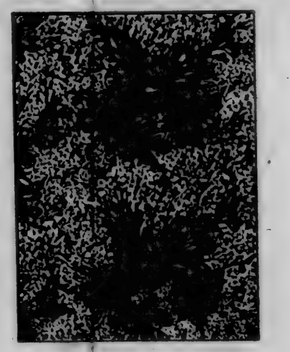
The ornamental design for a lamp base as shown.

68,389. LAMP BASE. JACOB MANDEL, Chicago, Ill., assignor to Wellington-Stone Company, Inc., Chicago, Ill., a Corporation of Illinois. Filed May 11, 1925. Serial No. 13,401. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

68,390. PAPER. RICHARD L. MARWEDE, New York, N. Y., assignor to Hampden Glazed Paper & Gard Company, a Corporation of Massachusetts. Filed July 31, 1925. Serial No. 14,282. Term of patent 14 years.



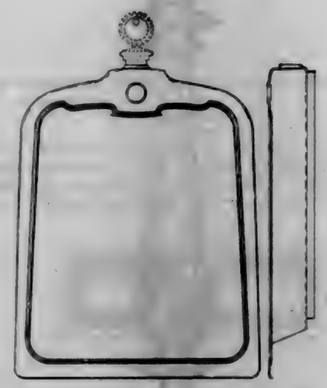
The ornamental design for paper as shown.



68,391. AUTOMOBILE RADIATOR-CAP FIXTURE. SOMMERFIELD EVANS MILLER, Chicago, Ill. Filed May 18, 1925. Serial No. 13,484. Term of patent 14 years.

The ornamental design for an automobile radiator cap fixture, as shown.

68,392. RADIATOR SHELL FOR MOTOR VEHICLES. WILFRED R. MILNER, Cleveland Heights, Ohio, assignor to The Peerless Motor Car Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 31, 1924. Serial No. 10,827. Term of patent 7 years.

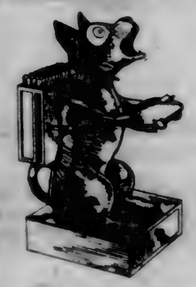


The ornamental design for a radiator shell for motor vehicles substantially as shown.

68,393. RUBBER SOLE FOR SHOES. ALBERT LINN MURRAY, Auburn, Ind., assignor to Auburn Rubber Co., Auburn, Ind. Filed Nov. 19, 1924. Serial No. 11,408. Term of patent 3½ years.

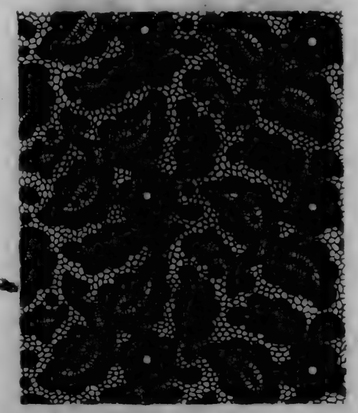
The ornamental design for a rubber sole for shoes, as shown.

68,394. COMBINED ASH RECEIVER AND MATCH HOLDER. JAMES A. NICOLETTI, Brooklyn, N. Y. Filed Jan. 2, 1925. Serial No. 11,857. Term of patent 7 years.



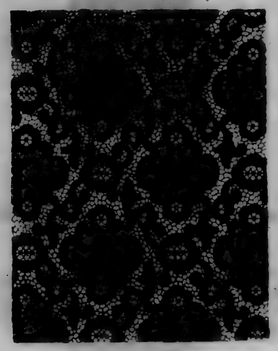
The ornamental design for a combined ash receiver and match holder as shown.

68,395. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed July 29, 1925. Serial No. 14,254. Term of patent 14 years.



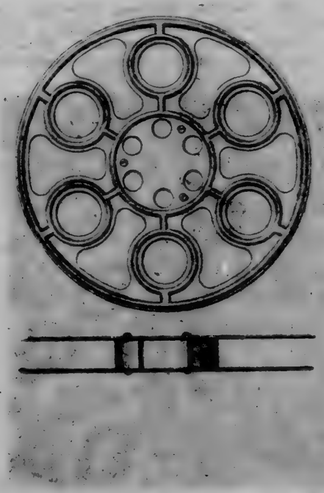
The ornamental design for lace substantially as shown.

68,396. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 3, 1925. Serial No. 14,299. Term of patent 14 years.



The ornamental design for lace substantially as shown.

68,397. FILM REEL. BENJAMIN PETROWSKY, New York, N. Y., assignor to Paragon Auto Parts Mfg. Co., Inc., New York, N. Y., a Corporation of New York. Filed May 18, 1925. Serial No. 13,477. Term of patent 7 years.

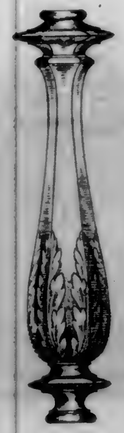


The ornamental design for a film reel as shown.

68,398. COLUMN FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. FREDERICK MAX POERTS, New York, N. Y., assignor to Artistic Brass & Bronze Wks. Inc., a Corporation of New York. Filed July 20, 1925. Serial No. 14,151. Term of patent 3½ years.

The ornamental design for a column for lighting fixtures or similar articles, as shown.

68,399. COLUMN FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. FREDERICK MAX POERTS, New York, N. Y., assignor to Artistic Brass & Bronze Wks. Inc., a Corporation of New York. Filed July 20, 1925. Serial No. 14,152. Term of patent 3½ years.



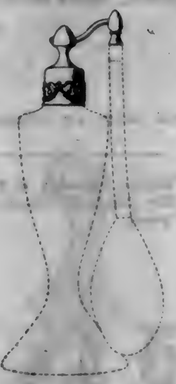
The ornamental design for a column for lighting fixtures or similar articles, as shown.



68,400. FRATERNITY PIN. CRAIG H. RICHEY, Birmingham, Mich. Filed May 5, 1924. Serial No. 9,487. Term of patent 3½ years.

The ornamental design for a fraternity pin, as shown.

68,401. ATOMIZER HEAD. EDWARD A. ROSENBERG, New York, N. Y. Filed May 21, 1925. Serial No. 13,529. Term of patent 14 years.



The ornamental design for an atomizer head, substantially as shown.

68,402. PLANE. EDMUND A. SCHADE, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed May 5, 1924. Serial No. 9,485. Term of patent 14 years.

The ornamental design for a plane, as shown.

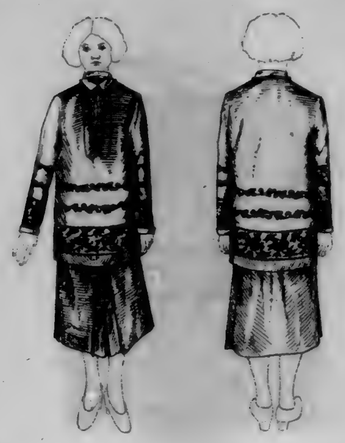
68,403. TRUCK TIRE. MARK SCHNEIDERMAN, New York, N. Y. Filed June 24, 1925. Serial No. 13,883. Term of patent 7 years.

The ornamental design for a truck tire as shown.

68,404. CHILD'S COAT. MAUDE SIEGEL, New York, N. Y., assignor to Franklin Simon & Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 13, 1925. Serial No. 14,419. Term of patent 3½ years.

The ornamental design for a child's coat, as shown.

68,405. DRESS. MAUDE SIEGEL, New York, N. Y., assignor to Franklin Simon & Company, New York, N. Y., a Corporation of New York. Filed Aug. 6, 1925. Serial No. 14,329. Term of patent 3½ years.

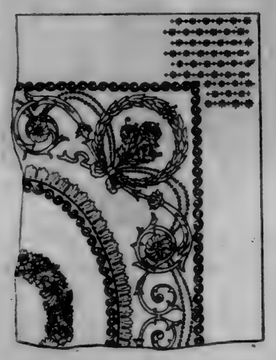


The ornamental design for a dress, as shown.

68,406. RING FOR PERSONAL WEAR. ALFRED SPEAR and LOUIS SUSSKIND, Providence, R. I. Filed May 29, 1925. Serial No. 13,590. Term of patent 3½ years.

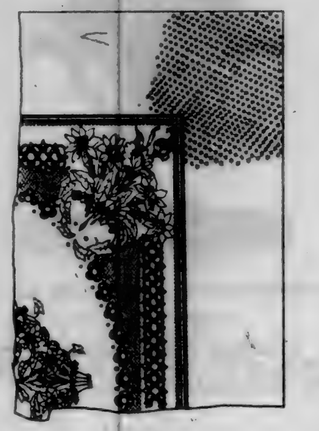
The ornamental design for a ring for personal wear, substantially as shown.

68,407. BEDSPREAD. EDWARD B. TENNEY, Claremont, N. H. Filed May 16, 1925. Serial No. 13,463. Term of patent 3½ years.



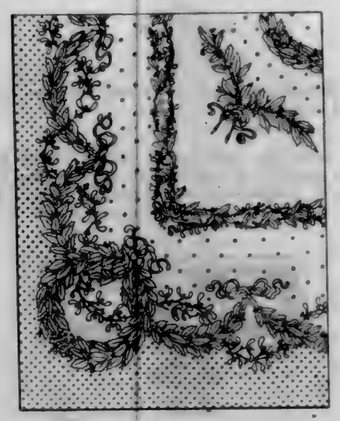
The ornamental design for bedspread as shown and described.

68,408. BEDSPREAD. EDWARD B. TENNEY, Claremont, N. H. Filed May 20, 1925. Serial No. 13,506. Term of patent 3½ years.



The ornamental design for bedspread as shown and described.

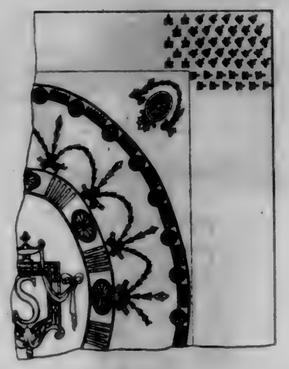
68,409. BEDSPREAD. EDWARD B. TENNEY, Claremont, N. H. Filed May 20, 1925. Serial No. 13,507. Term of patent 3½ years.



The ornamental design for bedspread as shown and described.



68,410. BEDSPREAD. EDWARD B. TENNEY, Claremont, N. H. Filed May 20, 1925. Serial No. 13,508. Term of patent 3½ years.



The ornamental design for bedspread as shown and described.

68,411. ARM FOR LIGHTING FIXTURES. HARRY TEPPER, Brooklyn, N. Y., assignor to Apex Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed June 25, 1925. Serial No. 13,894. Term of patent 3½ years.

The ornamental design for an arm for lighting fixtures, as shown.

68,412. ENGAGEMENT RING. LEO G. THEURIET and CARL M. JOHNSON, San Francisco, Calif. Filed Aug. 8, 1925. Serial No. 14,357. Term of patent 7 years.

The ornamental design for an engagement ring, as shown.

68,413. SODA-WATER BOTTLE. CHARLES H. THOM, Los Angeles, Calif. Filed Sept. 22, 1924. Serial No. 10,875. Term of patent 7 years.

The ornamental design for a soda-water bottle, as shown.

68,414. SLIPPER. SEYMOUR TROY, New York, N. Y. Filed Jan. 8, 1925. Serial No. 11,961. Term of patent 3½ years.

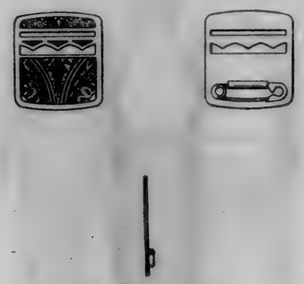


The ornamental design for a slipper as shown.

68,415. SLIPPER. SEYMOUR TROY, New York, N. Y. Filed Jan. 8, 1925. Serial No. 11,962. Term of patent 3½ years.

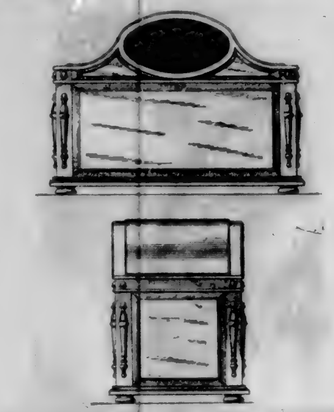
The ornamental design for a slipper as shown.

68,416. BUCKLE OR SIMILAR ARTICLE. DELMAR A. WALSH, Kansas City, Mo. Filed June 29, 1923. Serial No. 13,953. Term of patent 7 years.



The ornamental design for a buckle or similar article, as shown.

68,417. CABINET FOR RADIO RECEIVING SETS. HENRY WATERSON, New York, N. Y., assignor to David Grimes Inc., Jersey City, N. J., a Corporation of New York. Filed July 25, 1925. Serial No. 14,227. Term of patent 7 years.



The ornamental design for a cabinet for radio receiving sets as shown.

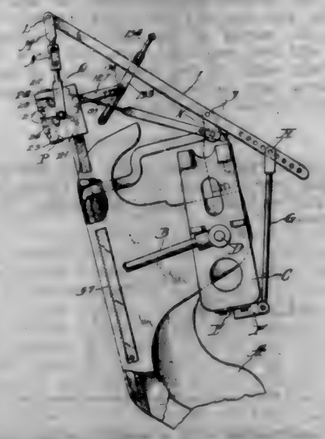
# PATENTS

## GRANTED OCTOBER 6, 1925.

1,555,811. FISHING TOOL FOR WELLS. JAMES S. ABERCROMBIE and HARRY S. CAMERON, Houston, Tex. Filed Jan. 13, 1923. Serial No. 612,495. 6 Claims. (Cl. 294—102.)

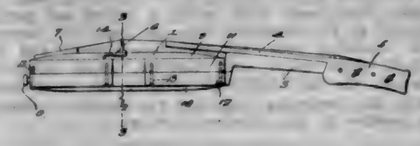
1. In a fishing tool for wells, a head, a barrel thereon having a downwardly tapered seat at the lower end, gripping jaws tapered to fit said seat and adapted to move vertically therein, a pin connected with said jaws and slidable vertically in said head, a nut screwed on said pin and having a slidable but non-rotatable fit in said head and means to rotate said pin comprising a collar above said head and rotatably connected therewith.

1,555,812. PRINTING-PRESS ATTACHMENT. HERMAN A. AGRICOLA, Jr., Atlanta, Ga., assignor of forty-nine one-hundredths to Joseph E. Lane, Atlanta, Ga. Filed May 3, 1923. Serial No. 636,371. 13 Claims. (Cl. 101—195.)



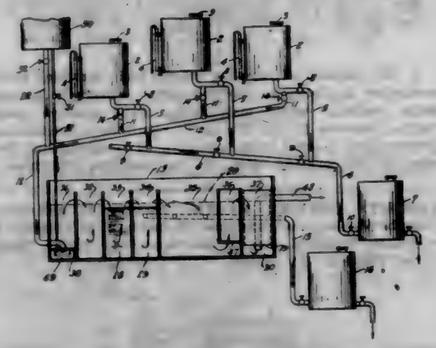
1. The combination with a printing press having a carriage and a form, one movable with respect to the other, of a duplex roller system mounted on the carriage, the two components of the system being adapted for independent swinging movement about a common axis, means for supplying ink to one component of the roller system, and, at times, for transferring the ink therefrom to the other component of the roller system, and a printing roller included in the latter system adapted to deliver the ink to the form, substantially as described.

1,555,813. VIOLIN. HOP W. ALLISON, Hurley, N. Mex. Filed Apr. 29, 1924. Serial No. 709,839. 1 Claim. (Cl. 84—275.)



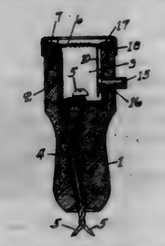
A violin body including a back section, a belly section, a rim formed on and integral with the belly section, another rim formed on and integral with the back section, the edges of said rims adapted to abut each other, and detachable fastening elements piercing the back section, the rim thereon, and extending into the rim of the belly section.

1,555,814. OIL-SALVAGING MEANS. DANIEL ASPINALL, Los Angeles, Calif., assignor of one-tenth to Robert D. Pearson and two-thirds to Jessie Linson, both of Los Angeles, Calif. Filed Mar. 11, 1924. Serial No. 698,574. 5 Claims. (Cl. 220—88.)



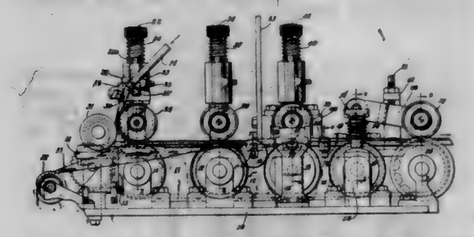
1. A means for salvaging oil or the like from any one of a series of storage tanks when the same is threatened by fire, said means comprising a salvaging tank remote from the storage tank, a second salvaging tank adjacent the quenching tank, means for delivering the contents of any one of the storage tanks through running water into the first named salvaging tank, means for controlling such delivery into the first salvaging tank for delivering the residual contents of any of the storage tanks into the quenching tank, means for discharging the overflow oil from the quenching tank, and means for delivering the residue oil of the quenching tank into the second salvage tank.

1,555,815. ELECTRIC CIGAR LIGHTER. HERBERT M. ALLEMEIER and GEORGE R. MORRIS, Maumee, Ohio. Filed Jan. 7, 1924. Serial No. 684,797. 2 Claims. (Cl. 219—32.)



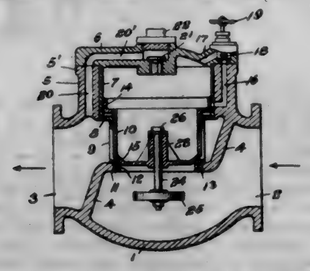
1. In a cigar lighter, a chambered member, an insulating body located on the end of the chambered member, a resistance element wound on the insulating body, an elastic sheet metal strip having a turned end portion located on the insulating body, an eyelet for securing the insulating body, the resistance element and the elastic sheet metal strip together, means extending through the said eyelet for securing the sheet metal strip, the insulating body and the resistance element in position in the chambered member.

1,555,816. METHOD AND MACHINE FOR COVERING STRIP MATERIAL. ROBERT R. AMBLER and PAUL R. ROHRBACHER, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed July 7, 1922. Serial No. 573,442. 31 Claims. (Cl. 154—41.)



1. The method of covering elastic strip material which comprises applying a covering strip adhesively to said strip material while maintaining such relative longitudinal stresses in the two as to result in a longitudinal compression in said strip material, balanced against tension of the covering strip, in the resulting structure.

1,555,817. CONTROL VALVE. EDWARD V. ANDERSON, Belle Vernon, Pa., assignor of one-half to Charles E. Golden, Crafton, Pa. Filed Sept. 20, 1924. Serial No. 738,845. 11 Claims. (Cl. 137—139.)

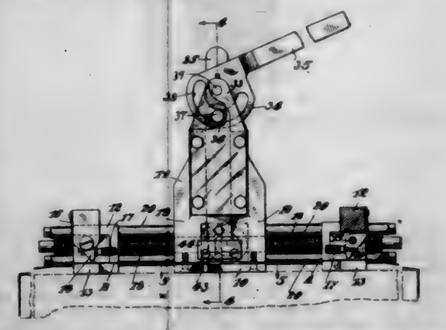


3. A valve comprising a casing provided with a passage therethrough, a valve head opening in the direction of normal flow through the casing adapted to close said passage and an impact disk slidingly mounted on but spaced from said valve head, said disk being so disposed as to move in the path of travel of the fluid through the valve.

1,555,818. PROCESS FOR TREATING PETROLEUM EMULSIONS. WILLIAM S. BARNICKEL, St. Louis, Mo.; Sears Lehmann and John S. Lehmann executors of the said William S. Barnickel, deceased. Filed Apr. 23, 1923. Serial No. 634,184. 6 Claims. (Cl. 196—4.)

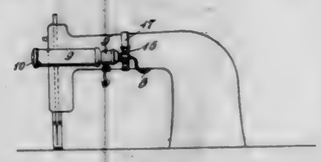
1. In a process for treating petroleum emulsions the step of subjecting the emulsion to the action of a derivative of a resin in which substitution or addition occurs in the hydrocarbon radical, to break the emulsion.

1,555,819. DEVICE FOR TIGHTENING AND FASTENING BALE BANDS. SAMUEL BARUCH, New York, N. Y. Filed May 18, 1922. Serial No. 561,991. 2 Claims. (Cl. 100—15.)



1. An apparatus for tightening stay strips, including a rotatable shaft having right and left hand threaded portions, means for rotating said shaft, and a pair of gripping devices engaging with said threaded portions, each gripping device including a body portion having a base adapted to support the stay strip, a pivoted member having portions extending in directions at right angles to each other from the pivotal support of said member, one of said portions having an edge adapted to engage with the stay strip, and the other of said portions also having an edge and a leaf spring acting against said last mentioned edge, and in a direction substantially radial to the pivotal center of said member, whereby said member may be held in operative or inoperative position by said spring.

1,555,820. PORTABLE LAMP FOR SEWING MACHINES, ETC. FRANK E. BECKA, Cleveland, Ohio. Filed July 16, 1924. Serial No. 726,350. 2 Claims. (Cl. 240—2.)



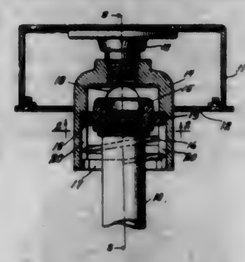
1. The combination with a sewing machine head of a substantially U-shaped clip engageable with the head, said clip having a flat apertured arm between its ends, a socket, a neck carried by said socket, a sleeve rotatably mounted on said neck, a stud carried by said sleeve and projecting through the apertures, means for locking the arm in an adjusted position with respect to the neck, an elongated tubular shield carried by the socket and having an opening in one side, and an electric lamp arranged in said shield and connected to the socket.



1,555,821. FIXTURE-SUPPORTING DEVICE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 4, 1921. Serial No. 512,767. 3 Claims. (Cl. 240—90.)

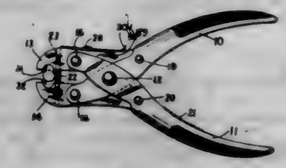
1. The combination with a fixture stem exteriorly threaded at its upper end of a nut into which the upper end of the stem is threaded, a housing for the upper end of the stem and the nut, and vertically yieldable means for supporting said fixture stem for limited universal movement comprising an annular support surrounding said stem and acting between said housing and nut, said nut and housing being provided with a tongue and groove to prevent relative rotation therebetween and to permit relative vertical movement therebetween.

1,555,822. FIXTURE-SUPPORTING DEVICE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 4, 1924. Serial No. 704,128. 1 Claim. (Cl. 240—90.)



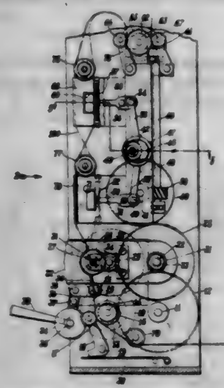
The combination with a fixture stud and a fixture stem, of vertically yieldable means for supporting said fixture stem from said stud for limited universal swinging movement, comprising an inverted cup member screwed onto said stud and provided with a pair of oppositely disposed vertical guides and a vertical slidable fulcrum member secured to the upper end of said stem, a coil spring surrounding said stem and pressing upwardly on said slidable fulcrum member, said slidable member having a pair of oppositely disposed slidable devices engaging said guides, whereby the stem can tilt and yield vertically and whereby rotation of the stem is prevented and lateral movement of said vertically slidable fulcrum member is prevented, said cup member having a shoulder for supporting the lower end of said coil spring the opening in the lower end of the cup member being of sufficient size to permit the insertion of a spring therethrough past said shoulder into said cup member.

1,555,823. HAND TOOL. WILLIAM A. BERNARD, New Haven, Conn., assignor to The William Schollhorn Company, New Haven, Conn. Filed Apr. 4, 1921. Serial No. 458,224. 18 Claims. (Cl. 86—22.)



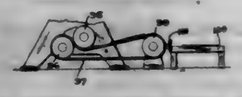
1. The method of crimping a tubular casing about a fuse or the like, which comprises inserting the casing with the fuse therein between a pair of parallel jaw members having complemental recesses formed therein to receive the casing and simultaneously exerting pressure upon the upper and lower portions of the casing in directly opposite directions by moving said jaws bodily toward each other to cause the excess material of the casing to be pressed out evenly on both sides of the fuse in the form of plaits.

1,555,824. MOTION-PICTURE DEVICE. GEORGE W. BINGHAM, Newark, N. J., assignor to Widescope Camera Co., Newark, N. J., a Corporation of New Jersey. Filed May 7, 1921. Serial No. 467,636. 16 Claims. (Cl. 88—16.6.)



1. A motion picture device comprising a plurality of lenses having their optical centers in vertical alignment, the optical axes of the lenses diverging outwardly from each other in such positions that they will cover abutting non-overlapping panoramic views, a stationary film frame for each lens, means whereby a film will be conducted into each film frame in a plane parallel to the plane of the frame and means for intermittently and simultaneously exposing the lenses.

1,555,825. MACHINE FOR TREATING RUBBER AND SIMILAR MATERIAL. DAVID REES BOWEN, Ansonia, and CARL F. SCHNUCK, New Haven, Conn., assignors to Farrel Foundry & Machine Company, Ansonia, Conn. Filed Jan. 6, 1921. Serial No. 435,485. 12 Claims. (Cl. 18—2.)



1. A rubber working machine having a chamber, a rotor therein, a shaft for driving the rotor, sheeting rolls disposed below the chamber and adapted to be

driven from the rotor shaft, said chamber being provided with a movable section to enable the material to be discharged therefrom, means to latch said section in closed position, and means to automatically set said sheeting rolls in operation prior to the unlatching of said discharge section.

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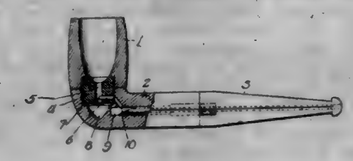
1,555,826. SMOKING PIPE. JACOB D. BURGER, New York, N. Y., and RUDOLPH HIRSCH, West New York, N. J., assignors to Reiss-Premier Pipe Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1921. Serial No. 510,942. 9 Claims. (Cl. 131—12.)



1. In a smoking pipe, a bowl of suitable material, a screw of different material on the bottom of said bowl, a base having a socket formed to engage the screw to removably hold said bowl in position, and a stump integral with said base, the bottom of the bowl engaging the base, forming a joint between them below the well of the bowl.

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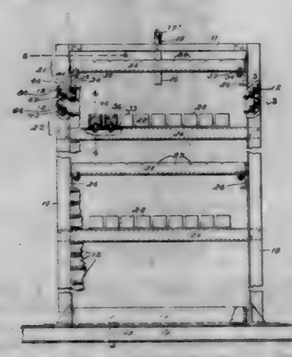
1,555,827. COOLING TOWER. EDWIN BURHORN, Hoboken, N. J. Filed July 7, 1921. Serial No. 483,111. 5 Claims. (Cl. 261—114.)



4. A cooling tower comprising an iron frame having uprights, and iron members thereon for supporting a series of superposed water distributing decks, and such decks, each comprising a plurality of distributing members of non-rusting metal, insulating pieces interposed between said distributing members and said iron supporting members, and securing bolts rigidly interconnecting the distributing members, the insulating pieces and the supporting members, a warm water connection to the upper part of the tower, and a receiving vessel at the bottom.

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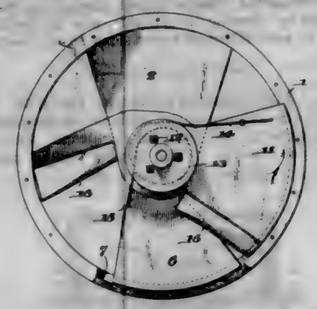
1,555,828. MOVING-PICTURE MACHINE. HARRY F. BURK and GUSTAF W. GUSTAFSON, Burlington, Iowa. Filed Nov. 14, 1928. Serial No. 674,693. 5 Claims. (Cl. 88—19.3.)

1. A shutter adapted to be mounted upon a shaft, consisting of an annular rim, a fixed blade carried by said rim provided with a hub centrally of said rim, a blade movable about its axis mounted upon the hub of the first mentioned blade, a blade movable about its axis mounted on the opposite side of the hub of the



first mentioned blade provided with air deflectors and a tension spring secured to said blade adapted to resist the action of said air deflectors.

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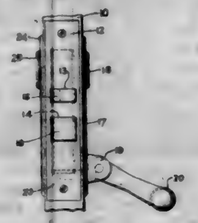
1,555,829. LOCK. WILLIAM J. CARROLL, West Haven, Conn., assignor to Sargent & Company, New Haven, Conn. Filed Nov. 7, 1921. Serial No. 513,401. 32 Claims. (Cl. 70—29.)



1. In combination, a lock case, a latch bolt slidably mounted therein, said bolt also having a pivotal connection with the case, a stem connected to the bolt and slidably mounted in the case to control both the slidable and pivotal movements of the bolt.

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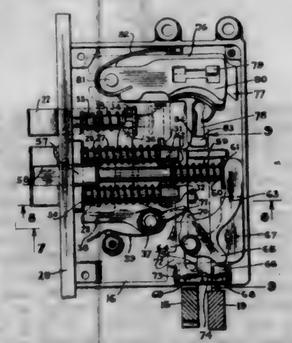
1,555,830. LOCK. WILLIAM J. CARROLL, West Haven, Conn., assignor to Sargent & Company, New Haven, Conn. Filed Nov. 23, 1921. Serial No. 517,419. 42 Claims. (Cl. 70—29.)



1. In a door lock, a strike plate, a keeper member movably mounted thereon, said strike plate having a bolt opening formed therein, and means accessible for operation through said opening to limit movement of the keeper.



27. In combination, a door frame having a strike provided with a bolt opening, a movable keeper forming one side of said opening, a keeper dogging member having a portion accessible through said opening, a door carrying a lock provided with a bolt extending into said opening, and means in addition to said bolt protractable into said opening to engage said dogging member and release the keeper.

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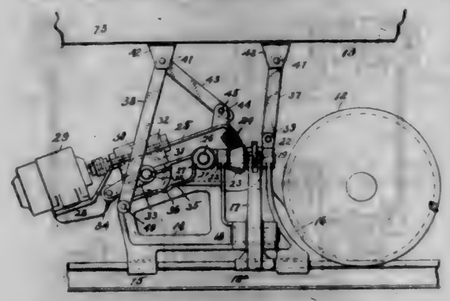
1,555,831. SAFETY STOP FOR TRAVELING STRUCTURES. ARTHUR F. CASE, Cleveland, Ohio, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 17, 1922. Serial No. 554,080. 48 Claims. (Cl. 188—36.)



1. A safety stop for traveling structures movable along a trackway, comprising a wedge adapted to be inserted between a wheel of the structure and a rail, movable means associated with the wedge and engageable with a portion of the trackway for preventing the wedge sliding along the rail, and means for actuating the first mentioned means and for shifting the wedge.

11. A safety stop for traveling structures movable along a trackway comprising a movable member having a wheel blocking wedge, and a motor mounted on said movable member for actuating said member.

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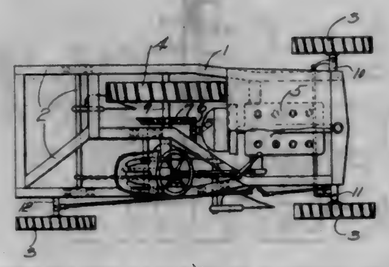
1,555,832. DRILLING MECHANISM. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Aug. 12, 1922. Serial No. 581,318. 9 Claims. (Cl. 255—46.)

1. A drilling mechanism having in combination a support, a feed member arranged to operate a drill bit, mechanism for rotating the feed member, a feed nut mounted upon the feed member and having a threaded engagement therewith and rotatable relative thereto and having free longitudinal movement in one direction.



1,555,833. SIMPLEX TRACTOR PLOW. THOMAS B. CONRADT, Lometa, Tex. Filed Oct. 14, 1920. Serial No. 416,794. 1 Claim. (Cl. 280—91.)



In a tractor steering mechanism the combination with front and rear pivoted knuckles of a steering post having a worm, front and rear intermeshing gears, one of the gears also meshing with the worm of the steering post, crank elements carried by the gears and simultaneously movable in opposite directions when the gears are rotated by the worm and front and rear rods connecting the crank elements with the front and rear steering knuckles.

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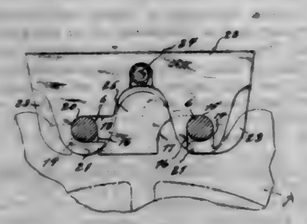
1,555,834. CHAIN GRATE. ANDREW B. COX, Bayonne, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Nov. 3, 1923. Serial No. 672,498. 7 Claims. (Cl. 110—40.)



1. In a chain grate, a link comprising a pair of plates, each having a chain rod recess at either end thereof extending inwardly from the bottom of the plate and at least as wide as the diameter of the chain rod, the first of said recesses in each plate extending substantially perpendicularly to the top of the link and the second of said recesses extending at an angle to the top of the link and said plates being located side by side with their tops in alignment and with the inner edges of the first recess of one plate in alignment with the inner edges of the second recess of the other plate, and means to fasten the plates together detachably.

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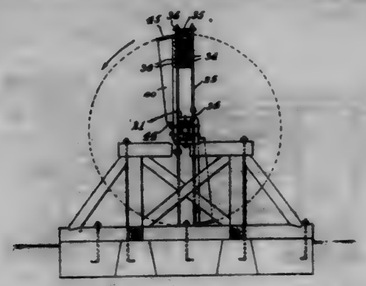
1,555,835. LUMBER DRIER. JAMES A. CRAIG, New Orleans, La., assignor, by mesne assignments, of one-half to Alexander T. McCurdie, Hattiesburg, Miss. Filed Aug. 10, 1920. Serial No. 402,614. 24 Claims. (Cl. 34—28.)

1. In a drier, a rotatable shaft; a carrier rotatable with said shaft and adapted for retaining therein for

rotating therewith piles of spaced pieces of lumber; and air compressors open forwardly and rearwardly and supported forwardly of the forward planes of said piles



in close proximity to the faces of the piles and rotatable with said carrier for forcing air directly through the spaces of the piles.

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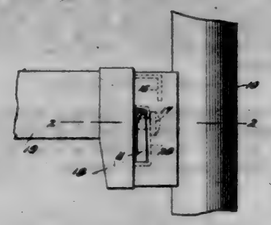
1,555,836. CORNER LOCK FOR METAL BEDS. HENRY DIERKES, Glenfield, Pa. Filed Dec. 19, 1924. Serial No. 756,919. 3 Claims. (Cl. 5—299.)



3. In a metal bed-stead, a corner lock comprising a female locking member consisting of an integral strip of metal bent into substantially rectangular form with opposite side portions thereof pressed inwardly to form a vertical slot and inner surfaces at the sides of the slot which are located in a plane inclined upwardly and outwardly.

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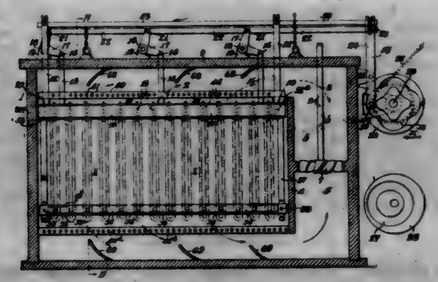
1,555,837. APPARATUS FOR DYEING, SCOURING, OR OTHERWISE TREATING YARN AND OTHER FIBERS IN THE HANK OR SKEIN. HOWARD M. DUDLEY, Philadelphia, Pa., assignor, by mesne assignments, to The Fifth Avenue Bank of New York, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1924. Serial No. 494,913. 29 Claims. (Cl. 8—19.)



17. In fiber treating apparatus, in combination, a tank for containing a body of treating liquid, a supporting rail, yarn sticks mounted on said rail for supporting hanks or skeins of material in the liquid, driving means and connections thereto for continuously reciprocating said yarn sticks within said treating liquid, means operatively connected to said driving means for turning said yarn sticks simultaneously with reciprocation thereof and additional yarn sticks for said hanks or skeins adapted to cooperate therewith at points spaced from said first mentioned yarn sticks and being reciprocable with the latter.

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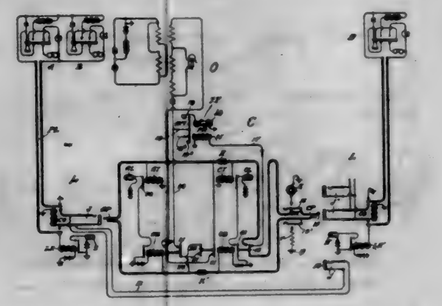
1,555,838. TELEPHONE SYSTEM. GEORGE R. EATON, Oak Park, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 19, 1921. Serial No. 446,241. 13 Claims. (Cl. 179—35.)



1. A telephone system including a calling line and a link circuit connected thereto at one end, and having at the other end a test terminal adapted to be applied to said line to test it, and reverting test means including a high resistance relay winding energized on such application, a low resistance relay winding cut in responsive to such energization, to shunt and oppose said high winding, to produce a characteristic busy tone.

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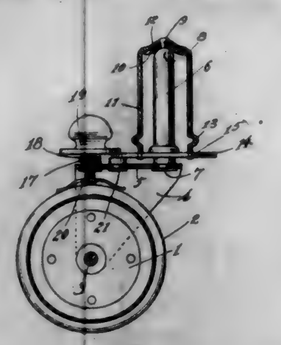
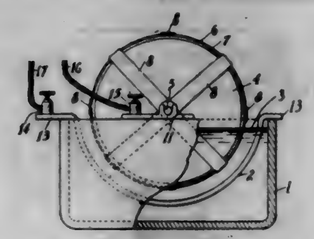
1,555,839. BED CASTER AND THE LIKE. ROBERT G. FRIES and JOHN J. JONES, Cincinnati, Ohio, assignors to The Surgeon's Specialty Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 29, 1921. Serial No. 518,664. 4 Claims. (Cl. 16—35.)



1. A caster wheel device comprising a member to be inserted into the leg of a piece of furniture, a circular plate at the lower end of said member, a caster wheel support mounted to rotate with relation to the plate and member, and a clamp on the caster support to engage said plate to hold the caster wheel support against rotation said caster wheel support having a projection to engage the under side of the said plate.



1,555,840. FLEXIBLE BAND OR BELT AND THE PRODUCTION THEREOF. JOHN A. HANLEY, Irvington, N. J. Filed June 18, 1923. Serial No. 646,025. 12 Claims. (Cl. 204—6.)



1. A strong tough endless flexible metallic belt having a high degree of coherence and free from seams or joints.

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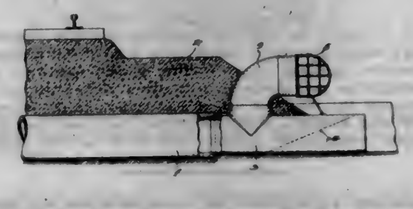
1,555,841. CULVERT PIPE. ALEXANDER B. B. HARRIS, Chicago, Ill. Filed May 22, 1922. Serial No. 562,682. 2 Claims. (Cl. 72—52.)



1. A culvert pipe having at one end a detachable section forming the inlet and longer than the distance to which in service will penetrate a mass of débris which chokes the inlet end of the pipe, and a secondary inlet device associated with said detachable section and opening into the latter near the inner end.

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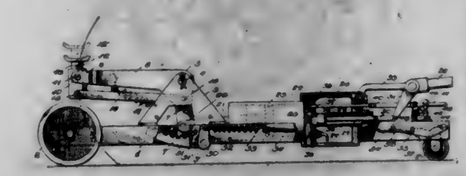
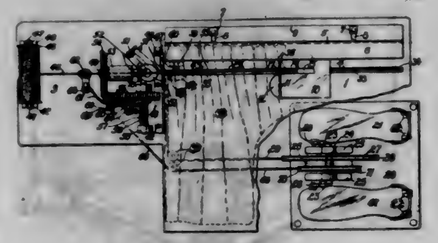
1,555,842. LIFTING JACK. CARLTON G. HARRIS, Denver, Colo., assignor of one-third to Jerry R. Rathburn, Denver, Colo. Filed Mar. 18, 1925. Serial No. 15,244. 8 Claims. (Cl. 254—102.)



8. A lifting jack comprising a supporting frame, a bell-crank lever having a forwardly extending load arm and a downwardly extending power arm pivoted on a horizontal axis on said frame, a load engaging shoe pivotally supported on the load arm of said lever, a cylinder in the rear of said lever, a piston in said cylinder, a rod connecting the other arm of said lever with the piston, a pressure reservoir to the rear of the cylinder, a pump extending longitudinally through said reservoir, valved passages from the pump to the cylinder and from the reservoir to the pump, an exhaust passage from the cylinder to the reservoir, a valve controlling the exhaust passage, a handle supported on the reservoir for operating the pump, and a lever adjacent the pump handle for operating the exhaust valve.

1,555,843. SACK-TYING MACHINE. GEORGE M. HASEN, St. Louis, Mo. Filed Feb. 4, 1924. Serial No. 690,549. 1 Claim. (Cl. 140—93.)



A sack-tying machine having a longitudinally-slotted table; a reciprocating tucker arranged to move above the slot in said table; an arm depending from said tucker through said slot and carrying a roller on its lower portion; a guide-shank also depending from said tucker through said table-slot; another roller mounted on said tucker above said roller carried by said depending arm; a vertical tucking-arm rising from said tucker a distance above the top of said table, and having a curved overhanging flange for confining the bag during the tucking-operation; a suitable spring-member connected to said tucker and adapted to return same to normal retracted position; a sack-gage and guard adjustably mounted on said table at one side of said table-slot and having an overhanging flange beneath which the open end of the flat bag is placed and confined during the tucking-operation; a vertical bag-stop against which the bag is tucked by said vertical tucking-arm upon the actuation of said tucker, said bag-stop being located at the tying-end of said sack-gage and guard, in the path of said tucking-arm, so that the tucked neck of the bag will be confined between said bag-stop and said tucking-arm; means for passing a wire around the tucked neck of the bag while same is thus confined; means for twisting the wire to tie the same, after it has been looped around said bag-neck; means for cutting off the looped wire from a coiled supply of wire; after the loop has been tied around the bag-neck; and suitable means for driving said wire-twisting and cutting-off means, and for reciprocating said tucker.

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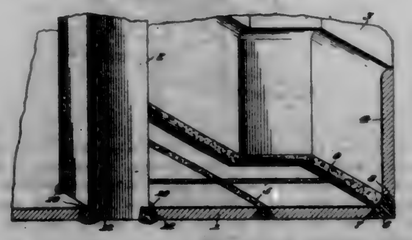
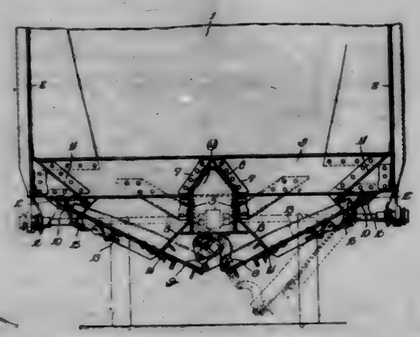
1,555,844. EXPANSION JOINT FOR COMPOSITION FLOORING. EDWARD AUSTIN HEER, Philadelphia, Pa. Filed Apr. 2, 1924. Serial No. 703,654. 5 Claims. (Cl. 94—18.)



2. A resilient device for use in composition surfaces, said device having the form of a button or disk with a segment removed therefrom.

1,555,845. CAR CONSTRUCTION. DAVID HINDAHL, Chicago, Ill., assignor to Rodger Ballast Car Company, Chicago, Ill., a Corporation of Maine. Filed Oct. 26, 1923. Serial No. 670,817. 6 Claims. (Cl. 105—251.)



1. Dump car construction comprising longitudinally extending strengthening means, a cross tie mounted above said strengthening means and cope means mounted above said strengthening means and abutting said cross tie on the two sides thereof for causing the shedding of lading laterally of said strengthening means.

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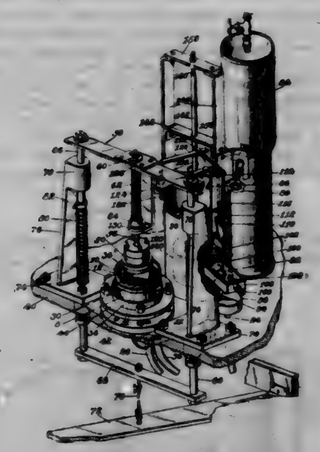
1,555,846. MOISTENING APPARATUS. EDWARD F. HODGKINS, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 18, 1920. Serial No. 417,813. 19 Claims. (Cl. 91—4.7.)



5. In an apparatus of the class described, a pair of spaced walls forming a fluid holding recess and a support for a piece of work, a moistening pad secured between the walls to contact with the work, and means for forcing the fluid in the recess against the pad to supply moisture to the work.

11. In an apparatus of the class described, a member having a recess for liquid, means to clamp a piece of work to the member, and mechanism actuated by the clamping means to raise the level of the liquid in the recess to moisten the work.

16. In an apparatus of the class described, a work supporting member having a fluid holding recess, a clamp plate to hold the work against the supporting member, and a universal mounting for the clamp plate to insure uniform pressure on the work.

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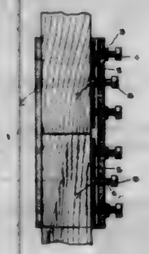
1,555,847. SCAFFOLDING CLAMP. SIDNEY GEORGE HUDSON, Detroit, Mich. Filed Mar. 17, 1924. Serial No. 699,726. 3 Claims. (Cl. 304—40.)



1. A clamp for end-wise adjoining members comprising a sleeve adapted to embrace the ends of the adjoined members, clamping screws carried by said sleeve for securing it to said members, a clamping plate arranged to transmit the thrust of one of said screws to one of said adjoining members, and means other than said clamping screws permanently securing said plate to said sleeve.

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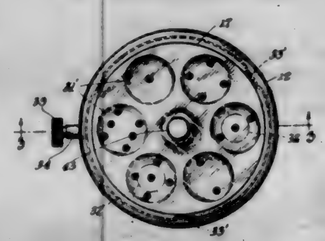
1,555,848. ROULETTE TOY. ADOLPH HUNAU and PAUL HAMMALIAN, New York, N. Y., assignors to H. & H. Calculating Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 19, 1923. Serial No. 633,072. 7 Claims. (Cl. 273—110.)



1. A game comprising a circular casing having rounded side walls, a transparent cover, a disc revoluble in said casing, means for manually rotating said disc, a ball bearing for said disc, a pair of balls loosely contained in said casing between the cover and said disc, said balls being acted upon by centrifugal force upon the rapid rotation of the disc, ball retaining depressions in said disc, and means on said disc for diverting the balls into the circle of depressions.

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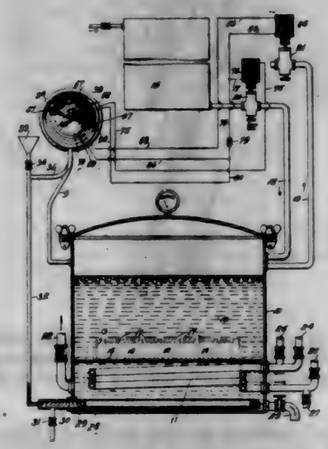
1,555,849. PRESSURE-CONTROL SYSTEM FOR STERILIZING AND PROCESSING APPARATUS. HARRY INGRAM, Brooklyn, N. Y. Filed Sept. 18, 1923. Serial No. 663,339. 19 Claims. (Cl. 99—2.)

1. In apparatus of the character described, pressure gauge mechanism responsive to temperature changes within the retort for admitting fluid pressure to the retort on increases of temperature therein and pressure gauge mechanism responsive to the external pressure





within the retort for cutting off the supply of fluid pressure when the requisite amount thereof has entered the retort.

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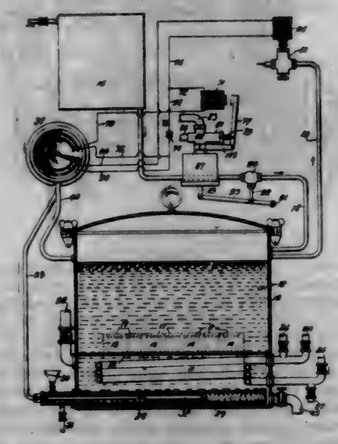
1,555,850. PRESSURE-CONTROL SYSTEM FOR STERILIZING AND PROCESSING APPARATUS. HARRY INGRAM, Brooklyn, N. Y. Filed Sept. 21, 1923. Serial No. 663,957. 16 Claims. (Cl. 99—2.)



1. In apparatus of the character described comprising means for supplying fluid pressure to the retort to act externally against the caps to counter the internal pressure generated within the receptacles thereinstatic pressure gauge mechanism comprising a system entirely filled with liquid and having a Bourdon tube at one end and exposed at the other end to retort temperatures.

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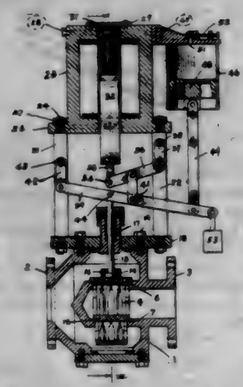
1,555,851. VALVE. BURTON C. VAN EMON, San Francisco, Calif. Filed July 2, 1923. Serial No. 648,970. 6 Claims. (Cl. 138—14.)



1. A liquid flow controlling mechanism, a conducting line, adapted to convey liquid to and from said mechanism, a valve on said line adapted to control the movement of said liquid, an electric solenoid for opening and closing said valve, and toggle mechanism for increasing the movement of said solenoid with reference to said valve, and means directly connected to said valve to assist in restoration of said valve to closed position.

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1,555,852. DROP-DISPERSING AGENT. OTTO HEIDEMANN and MAX JOHN, Bochum, Germany. Filed Aug. 18, 1921. Serial No. 493,493. 3 Claims. (Cl. 134—27.)

1. The process of preventing the formation of rain drops on a glass surface consisting of applying to such surface a drop dispersing agent comprising a mixture of a liquid, a basic substance capable of beng converted into a slime, and soda.

3. The process of preventing the formation of rain drops on a glass surface, consisting in applying to such surface a drop dispersing agent comprising a mixture of clay, water, and about 10% of soda.

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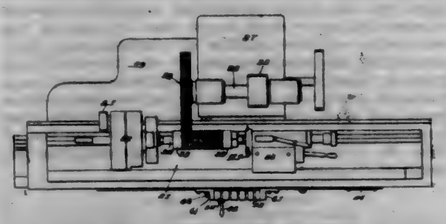
1,555,853. METHOD OF GROOVING PISTON RINGS AND THE LIKE. GEORGE H. HIGGINS, Rockford, Ill., assignor to Burd High Compression Ring Company, Rockford, Ill., a Corporation of Illinois. Filed Mar. 25, 1921. Serial No. 455,690. 3 Claims. (Cl. 51—278.)

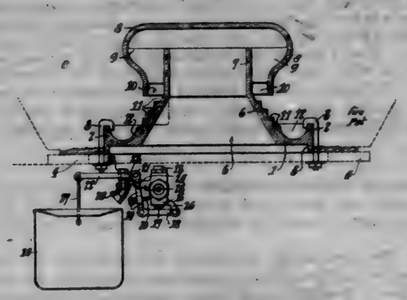


1. The method of peripherally grooving piston rings, consisting in mounting plural series of rings on an arbor, and successively positioning the different series of rings in predetermined alignment with a grinder profiled according to a standard dimension and grinding the series successively.

1,555,854. BUSHING. GLEN R. HILL, Ramer, Ala. Filed Mar. 30, 1923, Serial No. 628,773. Renewed May 2, 1925. 1 Claim. (Cl. 102—14.)

In combination with the barrel of a shot gun, a cylindrical two-piece bushing adapted to be inserted therein for lessening the bore of the shot gun barrel, said bushing comprising a pair of similar longitudinal half-sections that are flanged upon their inner ends for engagement upon the usual shell retaining shoulder of the shotgun barrel, the contiguous longitudinal edges of said sections being entirely smooth and flat and devoid of projections and depressions.

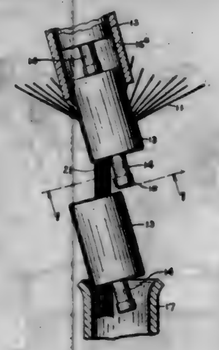
1,555,855. OIL BURNER. FRANK HENNEBÖHLE, Chicago, Ill. Filed Sept. 23, 1924. Serial No. 739,378. 5 Claims. (Cl. 158—91.)



5. A device of the class described comprising a base having an upwardly extending annular flange confining an oil overflow groove and a depending flange providing a larger air space beneath the base, hook bolts for hooking over the annular flange and passing through the openings in a grate when the device is mounted in a fire pot for use, a frusto-coniform throat extending upward from the base, and having a series of relatively shallow annularly stepped oil grooves in the outer surface thereof, a cylindrical neck extending upwardly from the throat and forming a restricted air duct, a heating and expanding crown cap supported by the neck and into which the neck discharges and having a flat top spaced above but in close relation to said neck and the edge thereof extended out and curved downwardly inwardly to provide an expanding space much larger than the area of the neck and a restricted annular air discharge throatway surrounding the outer surface of the frusto-coniform throat in close relation thereto, and terminating on a horizontal plane with the juncture of the neck and the throat just above the uppermost oil groove, means passing through the throat wall for directing a thin film of oil to the outer throat surface by discharging into the uppermost oil groove.

1,555,856. METHOD OF COVERING DRY-CELL CARTRIDGES AND THE LIKE. ARTHUR C. JEWETT, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn. Filed July 1, 1920. Serial No. 393,336. 1 Claim. (Cl. 96—3.)

The method of covering a compact body of depolarizing material, having a carbon electrode projecting therefrom, which comprises introducing the same endwise into the generating tubular fabric with the axis thereof disposed



obliquely to the axis of the generating fabric, and with the projecting end of the electrode protruding from the tube being formed so that this end remains uncovered.

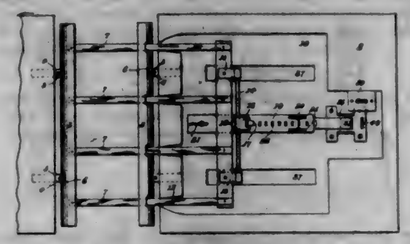
1,555,857. CARTON-BLANK-FEEDING MACHINE. EMIL G. JURGENS and H KIRKE BECKER, Chicago, Ill., assignors to Peters Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 22, 1924. Serial No. 757,421. 6 Claims. (Cl. 271—41.)



1. A paper or card-board feeding mechanism of the class described comprising a frame, said frame being provided with a vertical guideway for a stack of card-board blanks, a plurality of rotary separators located near the lower end of said guideway in the position to support a stack of carton blanks, said separators being arranged for rotation on vertical axes and being provided with means for engaging the lowermost carton blank and moving it downwardly away from the remainder of the stack, said separators being each provided with a radially extending blade located above the normal horizontal plane of the separator.

1,555,858. LOOSE-LEAF BINDER. FREDERICK B. A. KIRCHNER, Mason City, Iowa. Filed Aug. 5, 1924. Serial No. 730,313. 6 Claims. (Cl. 129—41.)

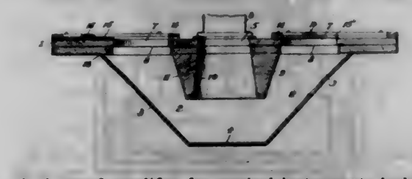
4. A loose leaf binder comprising a cover section, a back section, clamping bars connected to the respective sections, thongs connected to one of said bars and extending through the other, a bar having a limited sliding movement in the back section, means for operating said bar throughout such sliding movement, and a finger



piece connected to said thongs and being adapted to engage with said bar in any one of a plurality of positions longitudinally of said bar.

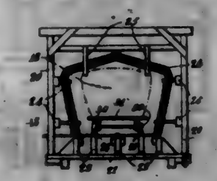


1,555,859. SOUND AMPLIFIER. JOHN C. KLACZYNSKI, Chicago, Ill. Filed June 6, 1922. Serial No. 566,256. 2 Claims. (Cl. 274—2.)



1. A sound amplifier for musical instruments including a top supporting plate having a sound inlet opening and a sound outlet opening on each side thereof, a depending housing secured to the top plate, said housing having a flat bottom, straight sides and inclined ends, and a depending member surrounding the sound inlet opening and extending into the housing, said depending member being spaced from the flat bottom of the housing and the ends thereof but engaging the sides.

1,555,860. METHOD OF AND APPARATUS FOR BAKING COATINGS ON METALLIC BODIES. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 19, 1921. Serial No. 446,375. 25 Claims. (Cl. 219—47.)



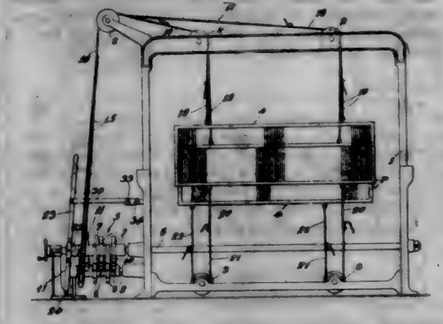
1. The method of baking a coating on a body comprising conducting material which consists in inducing electric heating currents within the conducting material of such body.

1,555,861. CHANGEABLE EXHIBITOR. CLINTON ADAM LIVINGSTON, Long Beach, Calif. Filed Feb. 26, 1924. Serial No. 695,256. 1 Claim. (Cl. 40—86.)

A changeable sign exhibitor comprising a rectangular body which is open at one side, a pair of rollers journaled in the end walls of the body, a legend carrying and display strip arranged to wind upon the rollers, a cover having a flange adapted to fit over the open side of the body, the cover being provided with openings, the side edges of which are located at equal distances beyond the opposite sides of the axes of the rollers when the cover is in position upon the body, the outer edges of

the openings being spaced at equal distance from the adjacent edges of the cover whereby the cover may be reversed in its position upon the body, the cover being provided with guides disposed along the edges of one of the openings, and a slide adapted to enter the guides and close said opening.

1,555,862. HEDDLE-DISCONNECTING MEANS FOR PLUSH LOOMS. LOUIS J. LUDWIG, Philadelphia, Pa. Filed July 10, 1924. Serial No. 725,141. 3 Claims. (Cl. 139—56.)



1. In a loom having pile heddles and backing heddles, a driving shaft, pile cams loosely mounted on said shaft and operatively connected with the pile heddles, other cams fixedly mounted on said shaft and operatively connected with the backing heddles, a clutching member on the pile cams, another clutching member slidably mounted on the shaft to rotate therewith, and a hand operated lever engaging said slidable clutching member for moving it at will into and out of clutching engagement with the member on the cams.

1,555,868. MECHANISM FOR MOVING THE LAY AND RELEASING THE PRESSURE ON THE BINDERS. LOUIS J. LUDWIG, Philadelphia, Pa. Filed July 29, 1924. Serial No. 728,844. 10 Claims. (Cl. 139—187.)

1. In a loom having a frame, a shuttle, a shuttle box, a binder, a protecting finger in engagement with the binder, a lay and a crank; a bell crank lever having one arm directly connected to the crank; connections

being formed with an opening therethrough, and an embossing extending outwardly adjacent said opening, said embossing at the upper end of each ear having spaced apart outwardly extending portions, and a hook adapted to pass through the openings in said ears having opposite sides seated between said outwardly projecting portions whereby a permanent connection is made between the hook and the ears and the hook is held against movement with respect to said ears.

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1,555,873. KNITTED STOCKING. WILLIAM S. PARKER, Rockford, Ill., assignor to Burson Knitting Company, Rockford, Ill., a Corporation of Illinois. Filed Sept. 1, 1922. Serial No. 585,708. 5 Claims. (Cl. 66—4.)

1. A knitted stocking provided with a longitudinally extending mock seam comprising a cord attached to the stocking web between floating yarns and opposed loops.

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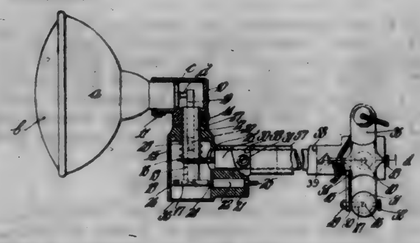
1,555,874. DIRIGIBLE LAMP HOLDER. EDWARD S. PARMENTER, Longmeadow, Mass., assignor to Ray E. Parmenter, Longmeadow, Mass. Filed May 16, 1923. Serial No. 639,422. 6 Claims. (Cl. 240—61.)



1. In combination, a supporting bracket including a hollow casing open at its lower end, a tube rotatably mounted in said bracket and extending outwardly therefrom, an arm on said tube extending out of said casing through said open end, a slidable rod operatively engaged with said arm and adapted to swing said tube relatively to said bracket, a second hollow casing fixed to said tube, a lamp holder rotatably mounted in the second casing, and means including an endless flexible member extending through said tube for rotating the lamp holder.

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1,555,875. TELEGRAPH MEASURING SYSTEM. RALPH E. PIERCE, Larchmont, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 20, 1924. Serial No. 751,144. 5 Claims. (Cl. 178—69.)

1. In a system for measuring the margin of operation of a telegraph system, the combination with a line circuit of a terminal circuit having an artificial line, bridge arms, a transmitter connected with the midpoint thereof, and a receiving relay connected across the extremities thereof, and means connected with the receiving relay to indicate the range of interfering current throughout which the receiving relay will continue to receive signals.

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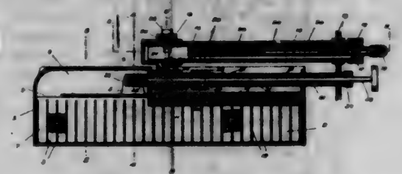
1,555,876. OIL BURNER. KENNETH L. RILEY, Ludlow, Mass., assignor to Rile-Ezene Burner and Manufacturing Company, Ludlow, Mass., a Corporation of Massachusetts. Filed May 31, 1924. Serial No. 717,039. 3 Claims. (Cl. 158—65.)



3. An oil burner provided with a casing; flues in the outer side walls of said casing; flame openings in the walls between said flues; a mixing chamber; longitudinal and transverse passages connecting said flues with said mixing chamber, and so arranged that air is drawn through said flues and connecting passages into said mixing chamber.

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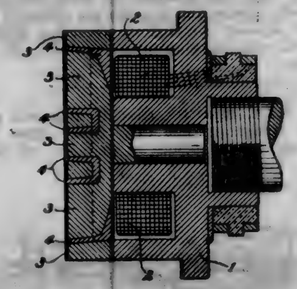
1,555,877. ELECTROMAGNETIC CHUCK. ALEXANDER G. RIPPERGER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed June 5, 1922. Serial No. 566,115. 1 Claim. (Cl. 175—367.)



An electromagnetic chuck having a face plate whose work engaging surface is case-hardened.

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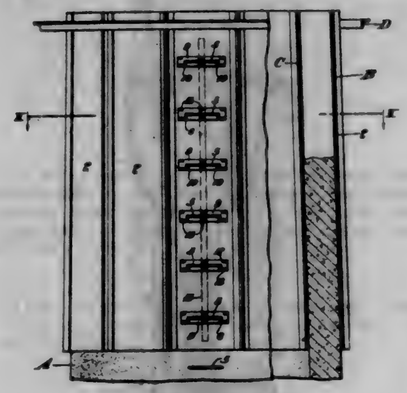
1,555,878. MOLD. ELLSWORTH MARSHALL RUST, Washington, D. C., assignor to The Rust Engineering Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Feb. 25, 1925. Serial No. 11,509. 6 Claims. (Cl. 25—124.)

1. In a sectional mold composed of a plurality of sections and used in building concrete chimneys and similar monolithic concrete structures, a section provided with a plurality of openings adapted to permit



the mounting of step irons so that portions of said irons project into said mold, to be surrounded by and embedded in the concrete put in the mold, and other



portions project outwardly from said mold to form step portions, and means for supporting said irons in position while said mold is being filled with concrete.

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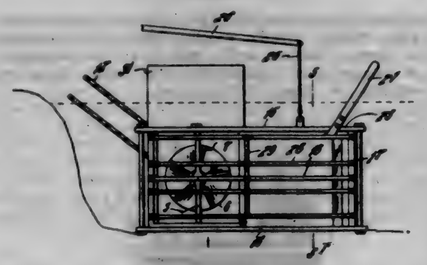
1,555,879. MOTOR. FRANK RUBICKA, Battle Creek, Nebr. Filed Dec. 12, 1924. Serial No. 755,530. 3 Claims. (Cl. 120—130.)



3. A motor designed to be operated by the water of a flowing stream, including a casing having open ends and having spiders at said ends, a water wheel carrying a shaft journaled in the spiders, said casing having its front end provided with a laterally extending frame, an outer door pivoted in the frame and susceptible to swinging to close the casing, a second door to the rear of the first mentioned door, and vertically slidable in the frame, means for operating both of said doors, an angular deflector plate on the casing over the inlet end thereof, brace means therefor, a guard which is V-shaped in plan and which is made up of spaced rods secured to the frame, and a door closing the top of the casing, all as and for the purpose set forth.

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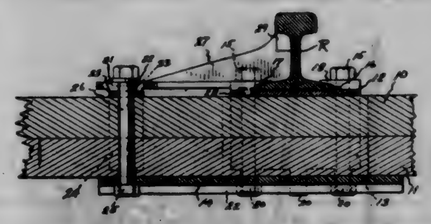
1,555,880. RAILROAD-TRACK CONSTRUCTION. SAMUEL COFFMAN SAMUELS, San Francisco, Calif. Filed Mar. 12, 1923. Serial No. 624,350. 10 Claims. (Cl. 238—292.)

1. In combination, a wooden tie, a rail plate extending crosswise of the top of the tie and beyond the side edges thereof, a supporting plate on the bottom of the tie and extending beyond the side edges of the tie and blocks of wood between the extended portions of



said rail plate and said supporting plate, each block having its grain vertical and adapted to transmit pressure from the rail plate to the supporting plate.

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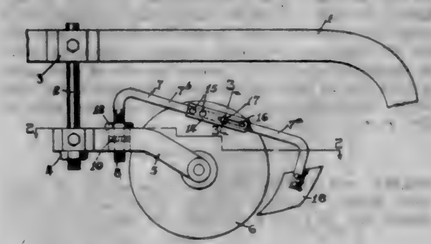
1,555,881. COLTER AND JOINTER ATTACHMENT. JOHN SCHARDT, Toledo, Ohio. Filed May 11, 1925. Serial No. 29,296. 3 Claims. (Cl. 97—210.)



1. The combination with a supporting arm, of a rolling colter on said arm, a second arm on said supporting arm and extending rearwardly thereof transversely of said colter, a jointer carried by said second arm and arranged rearwardly thereof and in line with said colter, means including telescoping members for permitting length adjustment of said jointer arm, and means including intermeshing toothed members for permitting lateral adjustment of the jointer relatively to said colter.

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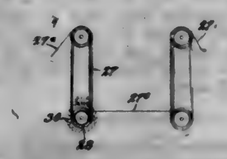
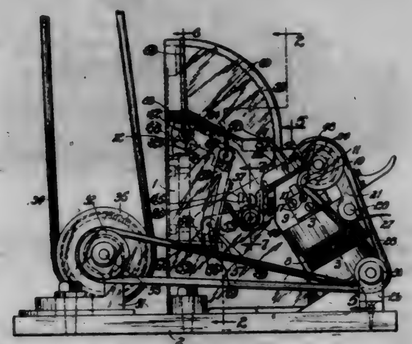
1,555,882. LIFEBOAT TACKLE. ANE P. SCHAT, The Hague, Netherlands. Filed Jan. 4, 1921. Serial No. 434,950. 9 Claims. (Cl. 9—22.)



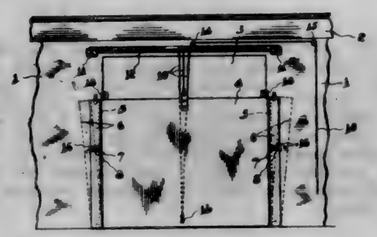
1. In means for lowering loads suspended from two spaced tackles, having their falls formed of a single rope, the combination with the running block pulleys of one of the tackles, of a compensating drum carried by said running block for receiving the standing end of the tackle rope from said pulleys, said rope leading from said drum to one of the blocks of the other tackle.

1,555,882. GAUGING MACHINE. OSWALD SCHLAUPITZ, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Aug. 9, 1923. Serial No. 656,492. 8 Claims. (Cl. 33—148.)



1. A machine for gauging rollers comprising a support for a roller, means for rotating a roller on said support, a pair of spaced independent contact levers, means for supporting said levers relatively to said support for engaging the roller, separate indicating pointers, means for operatively connecting one of said pointers with one of said contact levers and means for operatively connecting the other of said pointers with the other of said contact levers.

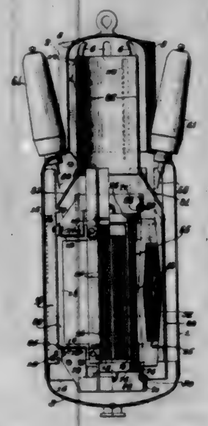
1,555,884. GRAIN-CAR DOOR. RICHARD J. N. SIMPSON, Sarnia, Ontario, Canada. Filed Apr. 11, 1925. Serial No. 22,471. 6 Claims. (Cl. 20—27.)



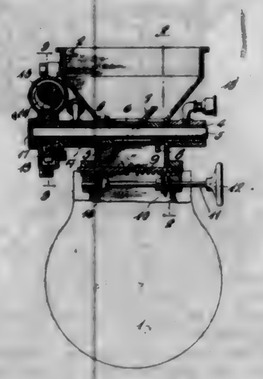
1. A car having a door opening; a securing guide at each side of said opening; a door vertically slidable in said guides; a pair of spaced tracks secured to the underside of the roof of the car; a member supported by and extending from track to track and movable longitudinally thereon, the upper part of said door being adapted to engage and be carried by said member as the latter moves along the tracks; and means for actuating said door.

1,555,885. ELECTRIC TRANSFORMER. FRANKLIN S. SMITH, Philadelphia, Pa., assignor to The Products Protection Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 12, 1921. Serial No. 521,777. 17 Claims. (Cl. 175—361.)

1. In a transformer structure, the combination of the transformer, means situated at intervals for supporting the high voltage winding thereof, the portions of the wire of said winding intermediate said supports being bare on all sides and spaced from each other whereby the cooling medium within the transformer casing may impinge upon all parts of the surfaces of the said portions of wire, a hermetically sealed casing for the transformer, and means associated with the transformer and within the casing for providing passageways through which there is a continuous circulation of the cooling medium upwardly adjacent to the parts of the transformer and downwardly upon the outside of the said transformer and within the said casing.



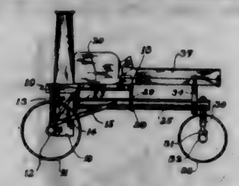
1,555,886. FEED-REGULATING DEVICE FOR GRINDING MILLS. SIMON SNYDER, Muncy, Pa., assignor to Sprout, Waldron & Co., Muncy, Pa., a Corporation of Pennsylvania. Filed Nov. 21, 1922. Serial No. 602,391. 8 Claims. (Cl. 83—44.)



1. The combination, in a feed regulating device for grinding mills, of a hopper having a depending restricted passage, a shaft extending through said passage, and an agitating device on said shaft extending across said passage approximately the full width thereof from a point above the shaft at one side of said passage to a point on the other side thereof below the shaft; said device being of elliptical form and obliquely arranged on said shaft and revolubly therewith, and means for rotating said shaft.

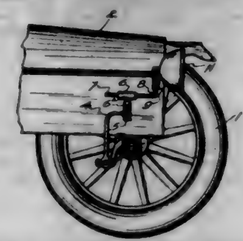


1,555,887. ENSILAGE CUTTER. HERBERT B. SPERRY, Chicago, Ill., assignor to Appleton Manufacturing Company, a Corporation of Illinois. Filed Apr. 20, 1923. Serial No. 633,891. 8 Claims. (Cl. 198—233.)



1. A frame construction for an ensilage cutter comprising a main frame member, supporting wheels therefor, a tubular frame member secured to said main frame member, and a conveyor trough adjustably secured to and positioned to one side of said tubular member.

1,555,888. HEADLIGHT FOR AUTOMOBILES. JOHN A. SKOGLUND, Detroit, Mich. Filed July 2, 1924. Serial No. 723,847. 1 Claim. (Cl. 240—62.)

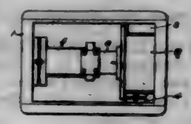


In headlights for automobiles, the combination with a steering rod, of a vertically arranged bracket secured thereto, the upper end of said bracket being curved and disposed in a horizontal plane, a horizontally disposed sleeve carried by the end of said bracket in swivelled connection therewith, a rod slidably disposed in said sleeve, a bracket on the automobile body and extending laterally thereof, a vertically arranged sleeve carried by said last named bracket, a rod slidably disposed in said vertically arranged sleeve, pivotal connections between said rods, and a lamp carried by the last named rod and supported on the upper end of said last named sleeve.

1,555,889. MANUFACTURE OF WALL PAPER. EDMUND G. STAUNTON, Toronto, Ontario, Canada. Filed May 20, 1925. Serial No. 31,722. 4 Claims. (Cl. 101—426.)

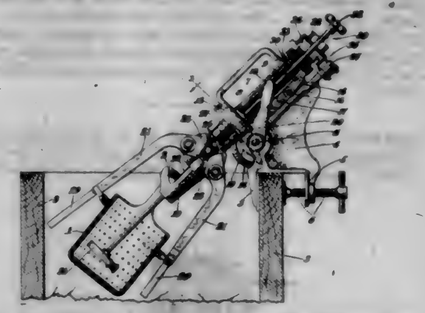
1. A process of manufacturing a strip of wall paper which consists in printing the strip with a printing roller having its printing surface wider than the exposed width of the strip of paper when hung, but less than the total width of the strip and producing a line of weakness adjacent each margin of the strip, said lines of weakness being spaced apart a distance equal to the desired exposed width of paper when hung.

1,555,890. LOCKUP DEVICE. SAMUEL STEPHENS, Somerville, Mass., assignor to Samuel Stephens and Wickersham Quoin Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 25, 1924. Serial No. 745,797. 4 Claims. (Cl. 101—40.)



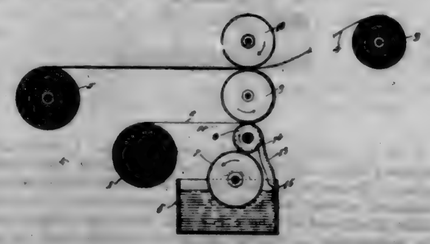
1. In a printer's lockup device comprising a pair of relatively longitudinally movable members, one adapted to receive the other within it, a longitudinal series of ratchet teeth upon one member, a cooperating pawl having correspondingly shaped teeth, a pawl carrier mounted for sliding movement across one face of the other member, and spring means acting upon said carrier normally maintain said pawl in locking position, whereby said pawl may be moved into and out of locking position along a straight path substantially at right angles to the path of relative movement of said movable members.

1,555,891. HOLDER FOR ARTICLES TO BE ELECTROPLATED. FLOYD T. TAYLOR, Matawan, N. J., assignor to A. P. Munning & Co., New York, N. Y., a Corporation of New Jersey. Filed July 7, 1923. Serial No. 650,017. 26 Claims. (Cl. 204—11.)



1. A tumbling apparatus of the class described comprising a rotatable work holder, a work-receiving basket hung therefrom, means for supporting said work holder in position over a tank, and means whereby said basket may be detached from said holder while the latter is in operative position relative to its supporting means.

1,555,892. PAPER-PASTING MACHINE. WILLIAM L. TAYLOR, Cincinnati, Ohio. Filed Aug. 7, 1922. Serial No. 580,056. 3 Claims. (Cl. 91—12.)



1. A mechanism for coating paper or the like with asphalt or the like, comprising a tank for asphalt, a roll revoluble in a position to dip into said tank, and at least one additional roll wiping said first mentioned roll,

and adapted to engage a traveling paper web, said roll having peripheral grooves so as to form non-asphalted lines on the paper, and means for wiping the margins of said grooves, and means for wiping the entire grooves so as to prevent accumulation of asphalt therein.

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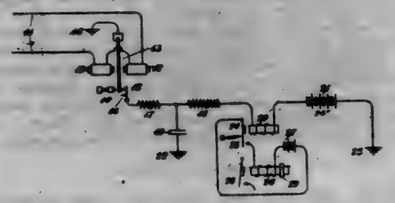
1,555,893. ALTERNATING-CURRENT RELAY. ELMER O. THOMPSON, Tompkinsville, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 29, 1921. Serial No. 525,727. 12 Claims. (Cl. 175—320.)



1. In combination, a tuned reed polarized relay, a single contact on one side of the reed and normally spaced therefrom, a battery and a condenser in series in a circuit, a shunt path around said condenser adapted to be closed by the engagement of said reed with said contact, and a device to be actuated by the condenser current.

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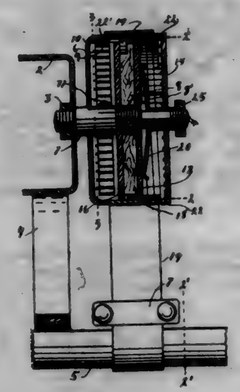
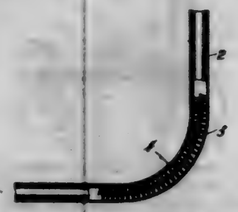
1,555,894. REBOUND CHECK FOR AUTOMOBILES. MORTON VAN METER, Cadillac, Mich. Filed Oct. 2, 1924. Serial No. 741,119. 4 Claims. (Cl. 267—10.)



1. In a rebound check for automobiles, a revoluble inclosing case, means for securely connecting said case upon the frame of the automobile, a flexible tension strap connected at one end with the revoluble case of the rebound check and at the other end with the axletree of the automobile, a spring mounted in said case in a manner to form a frictional clutch in connection with the inner periphery of the case, and means for revolving the case to take up the slack of the tension strap upon the downward movements of the frame of the automobile.

1,555,895. METHOD OF BENDING SHEET-METAL BLANKS HAVING A ROLLED EDGE. JOHN WEBER, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 3, 1924. Serial No. 747,413. 2 Claims. (Cl. 153—63.)



1. The method substantially as described which consists in providing a sheet metal blank having a roll at its edge, inserting a helically coiled wire core into the roll, and transversely bending the sheet metal blank with its roll and core.

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1,555,896. SUPPORTING MEANS. BENJAMIN C. WEBSTER, Southport, Conn., assignor, by mesne assignments, to Columbia Phonograph Company, Inc., a Corporation of New York. Filed June 25, 1923. Serial No. 647,498. 12 Claims. (Cl. 16—191.)

6. A means of preventing a door or lid from slamming closed, including a friction brake means operable during the closing movement of the door or lid, said brake means being non-operable when the door or lid is open, said means comprising a pair of laterally-extending resilient arms adapted to come into frictional contact when the door is moved closed, one of the arms being arcuate and offering increasing resistance to the closing movement of the door.

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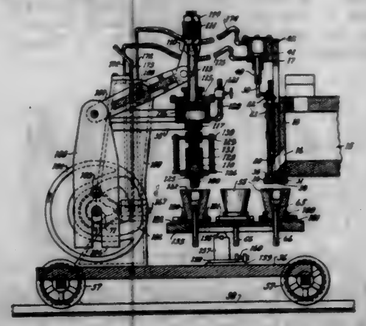
1,555,897. GLASS-MOLDING MACHINE. SAMUEL EBEN WINDER and HENRY COTTON DAUBENSPECK, London, England. Filed Oct. 4, 1920. Serial No. 414,622. 6 Claims. (Cl. 49—38.)



6. In a glass working machine, the combination with a mold, of a pressure plunger adapted to co-operate with said mold, reciprocating means, means comprising a cylinder and piston connection operatively connecting said reciprocating means and said plunger, means for supplying fluid pressure between the cylinder and piston, and adjustable means in said fluid pressure supplying means for checking back flow from said cylinder, whereby an adjustable pressure greater than the supply pressure may be intermittently built up.



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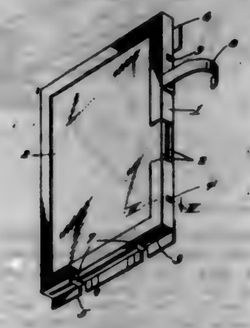
1,555,898. CAR-IDENTIFYING MEANS. STRAUD K. WOOD, Hutchinson, Kans. Filed July 7, 1923. Serial No. 650,101. 3 Claims. (Cl. 40—16.)



1. A card display frame having a slot at one end, a backing member in said frame, a transparent front member therefor, means spacing said back and front members from each other, and a securing flange projecting from the end of said frame adjacent said slot.

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1,555,899. OIL COMPOSITION. JOSEPH ALEXANDER YOUNG, Bellevue, Pa. Filed May 6, 1922. Serial No. 559,053. 4 Claims. (Cl. 87—9.)

1. As a new article of manufacture, an oil composition comprising a solution of camphor in an oil consisting of a mixture of a lubricating oil with crude petroleum.

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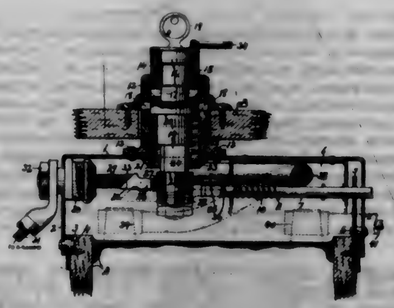
1,555,900. SAFETY DEVICE FOR MOTOR VEHICLES. FRED M. BLAKE, Fulton, N. Y. Filed Nov. 22, 1921. Serial No. 517,096. 8 Claims. (Cl. 200—50.)



1. In a fire and theft safety device for motor vehicles having a storage battery and electric translating devices to be energized thereby, a cover plate for said battery, a movable member for locking the cover plate to the battery, an electric switch within the cover plate and electrically connected in one side of the battery circuit, said switch having its movable member movable into and out of registration with said locking member so said switch member is opened and closed to hold said locking member against unlocking when the switch is opened, and means operable at will for opening the switch.

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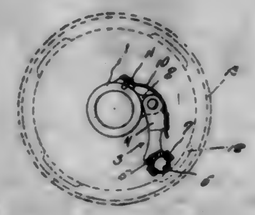
1,555,901. TIMER BRUSH. GILBERT V. BLACKFORD, Independence, Kans. Filed May 7, 1925. Serial No. 28,671. 3 Claims. (Cl. 200—26.)



1. A timer brush comprising an arm provided at its inner end with spaced attaching ears, the opposite end of the arm being formed with a ball socket, a rolling ball contact seated in said socket, said arm being externally screw threaded at its outer end, and a retaining cap for said ball embodying a screw threaded flange connected to the threaded portion of said arm, said cap being formed with an opening through which a portion of said ball projects.

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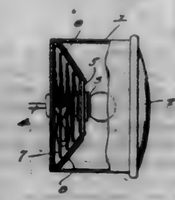
1,555,902. SHOCK ABSORBER FOR VEHICLE LAMPS. CLAUDE H. BRADY, Neodesha, Kans. Filed Oct. 31, 1924. Serial No. 747,058. 2 Claims. (Cl. 240—90.)



1. A shock absorber for tail lights comprising in combination with a casing, and an electric lamp disposed therein, of a disc carried by the base of the electric lamp, a volute spring secured at its smaller end to said disc, the larger end of the spring engaging the rear wall of the casing, and a plurality of coil springs secured at their forward ends to the disc at spaced intervals, the outer ends of said coil springs being fastened to the outermost convolutions of said volute springs.

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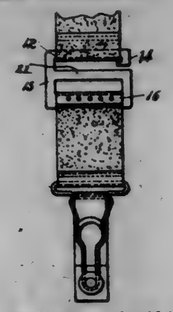
1,555,903. DETACHABLE CONNECTING DEVICE FOR HOSE SUPPORTERS. ARNOLD V. BROWN, Worcester, Mass., assignor to American Narrow Fabric Company, a Corporation of Massachusetts. Filed July 22, 1922. Serial No. 576,782. 4 Claims. (Cl. 24—195.)

1. As an article of manufacture, a connecting device for a hose supporter consisting of a pair of parallel bars located at a distance from each other and integrally connected with each other at one end, said bars

and connection at the end being of the same thickness and width throughout, each of said bars having a hook on the opposite end, said hooks projecting toward each other for detachable attachment to a sewed loop in the



end of a tape or the like, one of said bars having a strip of metal along the edge thereof bent over into a plane substantially parallel with it and provided with teeth transverse to the plane of the bars for engaging the end of a tape and holding it against said bar.

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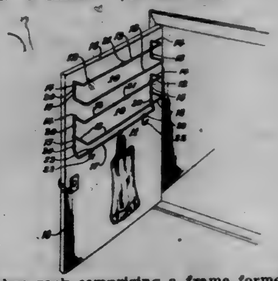
1,555,904. SHOE RACK. RANDOLPH BRUNSON, East Orange, N. J. Filed Apr. 25, 1924. Serial No. 709,022. 3 Claims. (Cl. 211—14.)



1. A shoe rack comprising a frame formed of a single length of material bent to form a pair of horizontally disposed rods for spaced relation upon a support, the uppermost rod adapted to extend further from the support than the lower rod, a U-shaped bracket supported by said length of material, said uppermost rod co-acting with said U-shaped bracket to support a plurality of shoes thereon.

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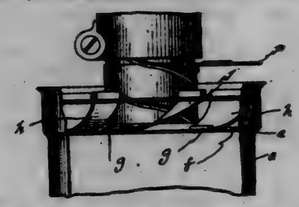
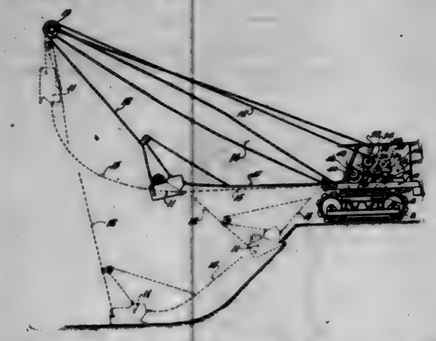
1,555,905. AIR CLEANER. [illegible], Detroit, Mich. Filed Aug. 4, 1923. Serial No. 729,866. 13 Claims. (Cl. 183—86.)

WITHDRAWN



1. In an air cleaner, the combination of a shell having a closed bottom raised in the center but provided at the corners with discharge ports, said shell provided with a connection with a source of suction, and means at the top of the shell for giving the incoming air a swirling action, whereby the suspended matter may be separated and discharged through the port at the bottom.

1,555,906. DRAG-LINE EXCAVATOR. PAUL BURKE, Green Bay, Wis., assignor to Northwest Engineering Company, Green Bay, Wis., a Corporation of Wisconsin. Filed May 15, 1924. Serial No. 713,476. 12 Claims. (Cl. 37—116.)



1. In a drag line excavator, the combination with the power plant and the bucket-operating mechanism including the drag line and hoisting line, of means for converting the force produced by the tensioning of the drag line by the bucket into energy delivered back to the power plant without operating said hoisting line.

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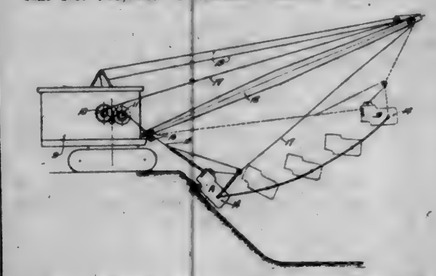
1,555,907. REGENERATIVE DRAG-LINE EXCAVATOR. PAUL BURKE, Green Bay, Wis., assignor to Northwest Engineering Company, Green Bay, Wis., a Corporation of Wisconsin. Filed Nov. 10, 1924. Serial No. 748,990. 5 Claims. (Cl. 37—116.)



1. In a drag-line excavator, the combination, with the bucket, of a hoist drum, a hoisting cable for the bucket associated with said drum, a drag drum, a drag cable for the bucket associated with said drag drum, a power system including a source of power, means for connecting said drag drum to said source of power for driving it in a direction to wind in said cable, and means for connecting said drag drum with said power system to deliver energy thereto, under the influence of the drag cable tensioned by the bucket and its load and the hoisting cable, at a speed relatively greater than that used in hauling in the drag-line.

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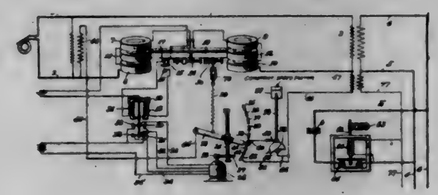
1,555,908. APPARATUS FOR MEASURING POWER FOR ELECTRICAL CIRCUITS. PAUL H. BURKHART, Henry, Ill. Filed Dec. 8, 1920. Serial No. 429,135. 6 Claims. (Cl. 171—268.)

1. A system for variably measuring the energy consumed in electrical circuits, comprising a power circuit, an energy measuring and registering device in each consumer's branch of the power circuit, a current balance connected in the power circuit, an auxiliary circuit derived from said power circuit, a switch in said auxiliary circuit for controlling the operation of the energy measuring and registering devices, a plurality of contacts for



said switch, a calibrated spring connecting said switch with the movable element of said current balance, and a motor controlled by said movable element for shift-



ing said switch, said spring operating through the shift of said switch to bring said movable element to neutral or equilibrium, thereby stopping said motor.

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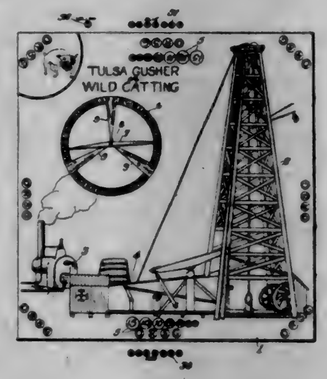
1,555,909. GAME. THURMAN A. CARSON, Jennings, Okla. Filed May 22, 1924. Serial No. 715,141. 2 Claims. (Cl. 273—135.)




2. In a game apparatus of the character described, an indicator comprising a frame having a top and a pair of sides, said top having two parallel transversely extending slots in said top, a pair of rotatable reels supported between said sides of the frame, an elongated record strip threaded through said slots in the top and having the opposite ends thereof wound about the respective reels, said strip having a scale thereon extending longitudinally thereof and comprising characters representing depths of a well bore in feet, said strip also having other indicia thereon related in position on the strip and in value to the characters of said first named scale.

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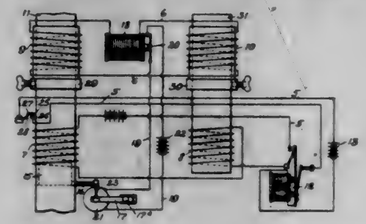
1,555,910. COIN DETECTOR. FRANK R. CHESTER, Asbury Park, N. J. Filed Nov. 29, 1922. Serial No. 604,047. 17 Claims. (Cl. 83—92.)

4. In an electric coin-detector system, the combination of a primary circuit including in series a first coil and a second coil, a secondary circuit including in series a first coil and a second coil, said two first coils being in inductive relation and said two second coils being in inductive relation, the two coils in one of said circuits being in balanced relation in said circuit, a coin chute for guiding a coin into inductive relation to one of the sets of inductively related coils, one of said circuits being normally open, switch means actuated by the coin during passage through a predetermined length of such chute to close the circuit last mentioned, and



means automatically restoring the circuit last mentioned to open condition after the coin passes beyond said switch means.

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1,555,911. OIL-CAN OPERATOR. JOHN H. COCKRELL, Shevlin, Minn. Filed May 26, 1925. Serial No. 32,981. 5 Claims. (Cl. 221—54.)

1. An oiling device comprising a rod having a laterally extending pivoted can holder, means for engaging the bottom of the can when in operative position in said holder, and means for actuating said can engaging means for starting the flow of oil from the can, said means being also operable to swing the can holder whereby the spout of the can is elevated to prevent the oil flowing out when not in use.

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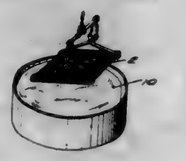
1,555,912. TOY PISTOL. WILLIAM R. DAVIS, Wallace, Idaho. Filed May 27, 1925. Serial No. 33,225. 7 Claims. (Cl. 273—107.)

2. A toy pistol comprising a projecting spring of coil form, a contact member at one end of said projecting spring, a pellet impelling member at the opposite end of said projecting spring, said contact member and said pellet impelling member being offset with respect to the projecting spring, the pellet impelling member being located substantially in line with the contact member.

1,555,913. FLOOR AND PROCESS OF MAKING THE SAME. ANSEL C. DENNING, Johnson City, N. Y.; Workers Trust Company, administrator of said Ansel C. Denning, deceased, assignor to Endicott Johnson Corporation, Endicott, N. Y., a Corporation of New York. Filed Aug 9, 1922. Serial No. 580,654. 16 Claims. (Cl. 94—13.)



1. The process of making flooring which consists in assembling upon rods in loose abutting relation, edge up, strips of fibrous sheet material and then immersing the flooring block thus formed in a liquid water-proofing compound adapted to penertate said strips from all faces.

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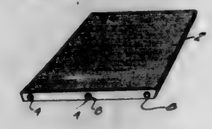
1,555,914. FLOOR AND PROCESS OF LAYING FLOOR. ANSEL C. DENNING, Johnson City, N. Y.; Workers Trust Company, administrator of said Ansel C. Denning, deceased, assignor to Endicott Johnson Corporation, Endicott, N. Y., a Corporation of New York. Filed June 18, 1921. Serial No. 478,623. 13 Claims. (Cl. 20—6.)



1. Flooring comprising strips of fibrous material standing in abutting relation, edge up but unattached to each other, rods passing freely through said strips and substantially confining them against displacement in the strip plane, said flooring being substantially free to expand lengthwise of said rods and transverse to the strip plane when laid.

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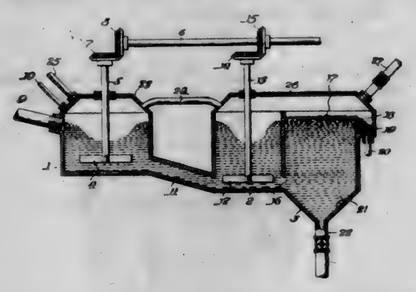
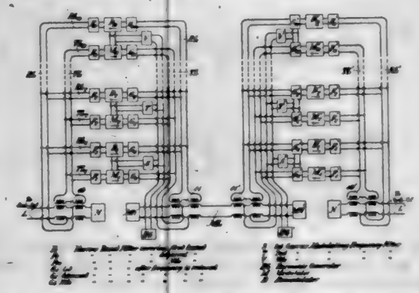
1,555,915. SEPARATING PROCESS. RIDSDALE ELLIS, Oak Park, Ill. Filed Mar. 9, 1925. Serial No. 14,209. 10 Claims. (Cl. 83—85.)



1. The process of concentrating ores by flotation which includes mixing the ore pulp with a modifying agent, aerating the pulp to form a froth and separating the froth from the remainder by flotation, and which further includes the use of an externally prepared gas containing more than 25% free oxygen by volume for aiding in the formation of the froth.

1,555,916. FREQUENCY-TRANSLATING SYSTEM. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 25, 1922. Serial No. 596,833. 9 Claims. (Cl. 178—44.)



2. The method of transmitting the essential elements of a broad band of waves over a circuit having a practical transmission range of more limited extent than said band which comprises selecting the essential elements of said band, producing therefrom a continuous band of an extent lying within the transmission range of said circuit, transmitting said continuous band over said circuit and restoring each of the elements thereof to its original frequency position.

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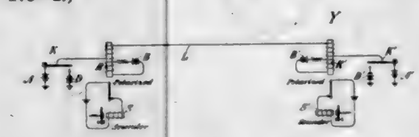
1,555,917. TELEGRAPHY. JOHN M. FELL, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 29, 1920. Serial No. 392,724. 7 Claims. (Cl. 178—2.)



1. In a telegraph system, a plurality of polarized relays, a line circuit for associating said relays, said circuit comprising transmitting devices, one adjacent to each relay said devices having four different relative positions, a source of positive and a source of negative potential associated with each of said transmitting devices and arranged to cause flow of current in said line circuit in one direction for the first relative position of said devices, in the opposite direction for the second relative position of said devices, and to prevent the flow of current in said circuit for the remaining two relative positions of said devices; line windings for said relays included in said line circuit and arranged to cause magneto-motive forces of one direction or the other, according to the direction of flow of current in the line circuit; local windings for said relays for creating in each a local magneto-motive force the effective value of which is substantially half that of the line magneto-motive force, and the direction of which, in one relay, is in opposition to that of the line magneto-motive force and in the other relay in conjunction therewith, when the said transmitting devices are in one of the said relative positions, and signaling devices governed by said relays.

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1,555,918. ARTESIAN-WELL TOOL. CORNELIUS K. FRIESEN, Steinbach, Manitoba, Canada. Filed Oct. 8, 1923. Serial No. 667,399. Renewed Mar. 6, 1925. 1 Claim. (Cl. 166—10.)

An artesian well tool comprising a lower interiorly screw threaded sleeve, an upper sleeve having a contracted screw threaded end adapted to screw thread into the lower sleeve and provided with a coned face opposing the upper end of the lower sleeve, an expansible gasket surrounding the tool and positioned between the upper end of the lower sleeve and the coned face of the

upper sleeve, spring anchoring arms extending downwardly from the lower end of the lower sleeve, and a service pipe screw threading into the upper end of the upper sleeve.

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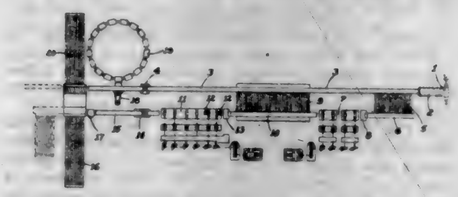
1,555,919. ROLLING MILL. JEROME R. GEORGE and JOHN W. SHEPERDSON, Worcester, Mass., assignors to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 27, 1922. Serial No. 556,666. 8 Claims. (Cl. 80—31.1.)



1. In apparatus of the class described, the combination with longitudinal conveying means for the product of a blooming mill, of a plurality of independent reducing roll trains parallel to but out of line with said conveying means, and means selectively operable to procure the further reduction of said blooming mill product by either of said roll trains, or both of them.

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1,555,920. FENDER GUARD. LEWIS P. HALLADAY, Decatur, Ill., assignor to L. P. Halladay Company, Decatur, Ill., a Corporation of Delaware. Filed Oct. 8, 1924. Serial No. 742,309. 5 Claims. (Cl. 293—55.)

1. A fender guard comprising a plurality of bars vertically spaced apart at one end, and overlapping at the other, the vertically spaced ends being rearwardly and inwardly curved to lie behind the relatively broad contacting surface formed by the forward portion of said vertically spaced bars, the overlapping portions of said bars being rearwardly turned.

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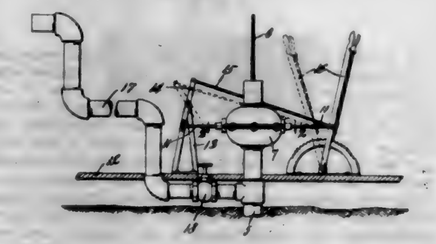
1,555,921. CHOKE VALVE. CHRISTOPHER C. HARRIS, Bowling Green, Ky. Filed July 5, 1921. Serial No. 482,407. 1 Claim. (Cl. 166—15.)



A well drilling apparatus comprising a casing embodying separable solid sections, said sections having threaded openings to receive the ends of pipes, said sections being cut away throughout portions of their lengths and throughout portions of their adjacent faces, sliding valve members movable within the cut out portions of the sections, said valve members having offset end portions adapted to overlap to provide a tight connection, and the adjacent edges of the offset end portions being formed of semi-circular openings adapted to register to accommodate a well cable.

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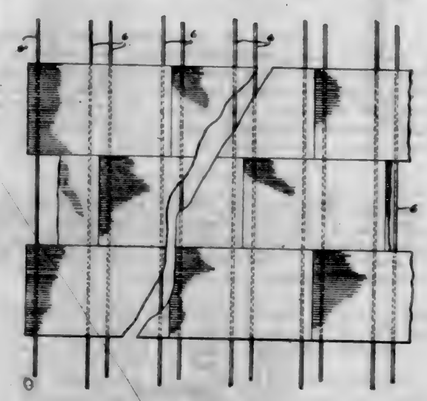
1,555,922. FLOORING AND PROCESS OF MAKING THE SAME. CHARLES FRED JOHNSON, Johnson City, N. Y., assignor to Endicott-Johnson Corporation, Endicott, N. Y., a Corporation of New York. Filed Sept. 8, 1924. Serial No. 736,540. 9 Claims. (Cl. 94—22.)



1. The process of making a flooring block which consists in threading upon rods strips of sheet material of a width corresponding to the desired thickness of the block and provided with rod receiving openings, said strips being coated upon their abutting faces with adhesive, pressing the strips into intimate contact and, after the adhesive has set, removing the rods and then cutting the block to the desired contour and size.

1,555,923. DRILLING OR FISHING JAR AND METHOD OF MANUFACTURING THE SAME. WILLEM KÖLLE, Jr., Haarlem, Netherlands, assignor, by mesne assignments, to Spang and Company, Butler Pa., a Corporation of Pennsylvania. Filed Feb. 17, 1921. Serial No. 445,794. 6 Claims. (76—101.)

1. A method of producing a jar for drills consisting in forming two overlapping substantially U-shaped slots in planes at right angles to each other in a bar of cruciform section to form links having oppositely directed pointed members, removing the part connecting the links so formed, shaping the opposite walls of said slots and the opposite sides of said pointed members, and compressing the links transversely in such manner as to cause the shaped walls of said slots to slidably engage the shaped sides of said pointed members throughout substantially the entire length of said pointed members.

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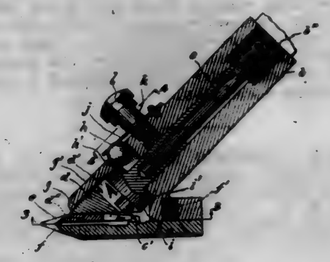
1,555,924. HAIR CLIPPER. ELMER R. KRUSEMK, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 14, 1920. Serial No. 416,957. 5 Claims. (Cl. 30—1.)



1. In a hair clipper the combination with a casing, of operative parts positioned therein and including a slotted actuating block d equilaterally triangular in cross section wedgingly engaged beneath the casing, tensioning means for said block and blade, a reciprocated clipper blade associated therewith and its coating stationary clipper blade, substantially as set forth.

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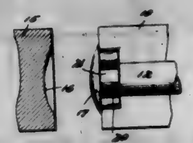
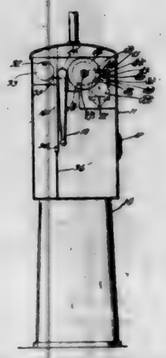
1,555,925. METHOD OF MANUFACTURING BOLTS. WILLIAM G. MAURER, Lebanon, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed June 19, 1923. Serial No. 646,460. 6 Claims. (Cl. 10—27.)



1. The method of forming polygonal heads on bolts consisting in first forming by an upsetting operation a head having its flat faces substantially finished in part and with excess material at the corners, and in then removing the excess material at the corners by a trimming operation.

1,555,926. INDICATOR FOR MEASURING PUMPS. CLARENCE W. MENSING, Fort Wayne, Ind., assignor to S. F. Bowser & Co., Inc., a Corporation of Indiana. Filed Dec. 17, 1921. Serial No. 523,076. 4 Claims. (Cl. 116—67.)



3. A liquid dispensing and measuring device having a reciprocating rack bar for actuating the device, studs carried by the rack bar, a bracket carried by the device and adjacent the rack bar, a gong carried by the bracket, a striker arm made of spring metal and pivotally mounted in said bracket in operable relation to the gong, said striker arm terminating in a projecting portion and in the path of movement of the studs, a tractile spring affixed at one of its ends to the bracket and engaging the extended portion of the striker arm with its opposite end, and a stud carried by the bracket intermediate the pivotal point of the striker arm and the gong in such position as to normally hold the striker arm in spaced relation to the gong.

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1,555,927. COATING FOR THE PREVENTION OF RUST OR THE LIKE. EDGAR FORD MORRIS, Manchester, England, assignor of one-half to James Anderson Morrice, Glasgow, Scotland. Filed Oct. 7, 1924. Serial No. 742,267. 2 Claims. (Cl. 91—68.)

1. The process for preventing the formation of rust on iron or other ferrous metals which consists in first coating the metal with an aqueous emulsion prepared from a paint containing zinc yellow (basic chromate of zinc) to which has been added an emulsifying agent dissolved in water and a volatile thinner and allowing said coating to dry and then applying a second coating consisting of a paint containing zinc yellow.

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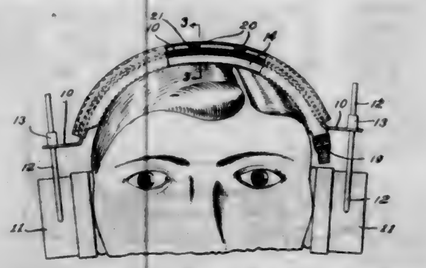
1,555,928. CUSHION FOR HEADPIECES OF RADIO APPARATUS. TIMOTHY F. MORRISSEY, New York, N. Y. Filed Oct. 20, 1923. Serial No. 669,734. 4 Claims. (Cl. 179—156.)



1. The combination with a head band of a telephone head set of a pneumatic cushion member adapted to be disposed beneath said head band in conformity therewith, means for inflating said tube and means carried by said tube for functioning engagement over the upper portion of said head band.



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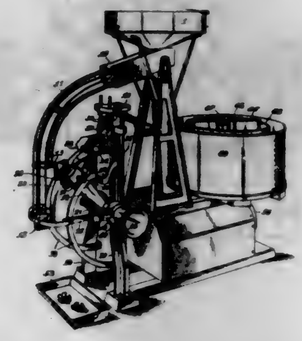
1,555,929. MACHINE FOR CUTTING AND PRESSING FRUIT AND FOR MIXING JUICES. JAMES E. ALLAN, Detroit, Mich. Filed Nov. 8, 1920. Serial No. 422,424. 13 Claims. (Cl. 100—44.)



1. A juice extracting machine comprising a blade having a cutting edge, a carrier for fruit having a path of movement which brings the fruit into contact with the cutting edge and lengthwise thereof to sever the fruit into halves, means for positioning a cut half with its cut face in contact with a surface adapted for juice extraction, and means for forcing the fruit half section into contact with the surface to extract the juice.

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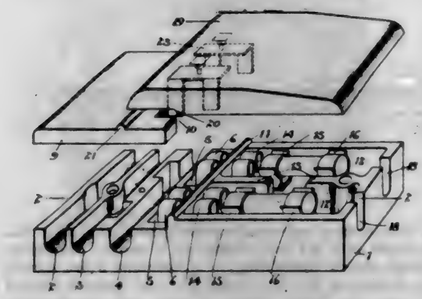
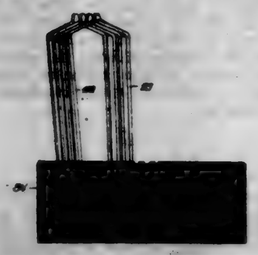
1,555,930. FUSE BLOCK. JOHN H. ALLEN, London, Ontario, Canada, assignor to The McClary Manufacturing Company, London, Ontario, Canada. Filed Sept. 17, 1923. Serial No. 668,264. 3 Claims. (Cl. 200—133.)



1. A fuse block having recesses spaced apart by a dividing wall, live electric contacts arranged one side of the wall, line wires connected with said contacts, a cover closing in the line wire connections to said contacts, fuse contacts arranged the other side of said wall, and a cover having bridged contacts to engage the aforesaid contacts and to straddle the wall and engage and cover said fuse contacts.

1,555,931. METHOD OF BUILDING ARMATURES. VINCENT G. APPLE, Dayton, Ohio. Filed Oct. 11, 1920. Serial No. 416,307. 1 Claim. (Cl. 171—206.)



Steps in the method of making a dynamo electric machine element which consist in providing a core having a series of longitudinally extending openings to receive conductor bars; providing a plurality of conductor loops, each loop having two conductor bars; entering the ends of the loops in the openings; leaning the closed ends outwardly from the axis of the core, as they are entered; moving the closed ends inwardly until the bars of the loops are in line with the openings in the core; then simultaneously pushing all of the conductor bars thru the core.

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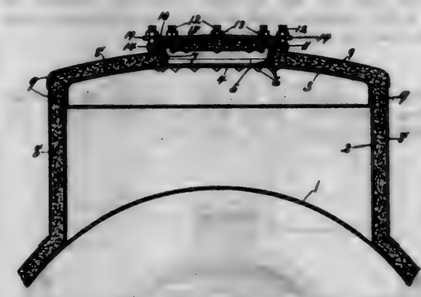
1,555,932. TANK-DOME CLOSURE. WILLIAM K. AUCHINCLOSS, New York, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 16, 1923. Serial No. 657,749. 7 Claims. (Cl. 220—55.)



1. A tank dome closure comprising a dome ring secured to the dome head, a collar carried by said ring, a cover secured to said collar and means on said cover interlocking with said ring beneath a portion of the cover.

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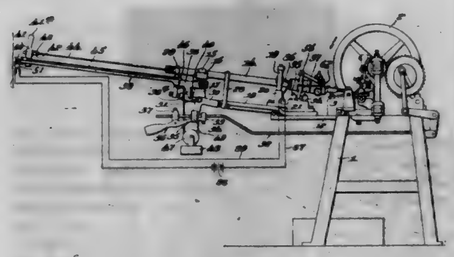
1,555,933. TACK MACHINE. GEORGE B. BAKER, HERBERT B. BAKER, and EDWARD C. BAKER, Brockton, Mass. Filed Aug. 8, 1923. Serial No. 656,411. 32 Claims. (Cl. 10—172.)

7. A tack machine comprising a blank presenting barrel, means for inserting a reserve blank into the barrel, a releasable retaining device normally preventing operation of the inserting means, electro-magnetic means for rendering the retaining device inoperative, a bodily movable feed roll supported by the barrel, a contact element movable with the feed roll, and a second contact element engageable by the first upon failure of the roll to engage a blank, engagement of said contact elements completing an electrical circuit to energize the electro-magnetic means.

16. A tack machine comprising an anvil, an oscillating barrel provided at one end with a nose piece normally resting upon the barrel the opposite end of the barrel being supported by a ball and cup bearing, parallel posts disposed upon opposite sides of the barrel intermediate its ends, a cross bar removably secured to the upper ends of the posts, a yoke guided for vertical movement by engagement with the posts and having a concave under surface normally bearing upon the barrel, and a compression spring interposed between the yoke and cross bar.



24. A tack machine having blank feeding means comprising an oscillating barrel, a pair of feed rolls supported thereby, a lever device carried by the barrel arranged to rock about an axis transverse to that of the barrel, a member projecting from the lever device at either end thereof, the respective members being disposed at opposite sides of the lever, a pair of spaced rolls mounted upon a fixed support, each roll lying in the path of one of said projecting members as the barrel oscillates, and means for transmitting movement from the lever to the feed rolls.

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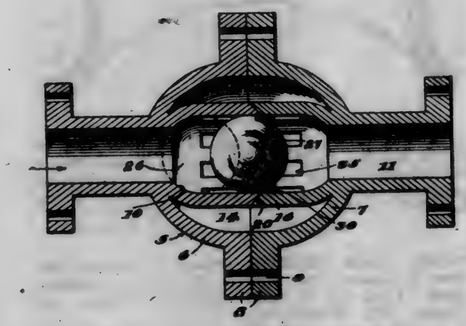
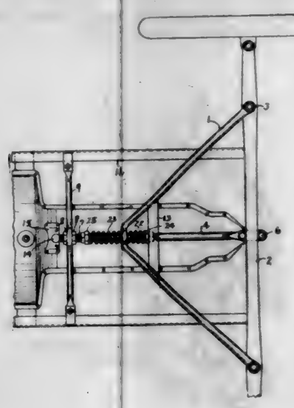
1,555,934. ONE-WAY VALVE. CAULEY M. BARKER, Cross City, Fla. Filed Mar. 26, 1925. Serial No. 18,583. 3 Claims. (Cl. 251—121.)



1. A one way valve comprising a pair of semi-bulbous sections having internal slotted cages of tubular formation arranged in end to end relation and having their inner ends beveled in opposite directions and in contact with each other whereby the cages are held in alignment, one of said cages being reduced internally at one end to form an annular seat, and a ball valve positioned within said cages and adapted for engaging said seat.

1,555,935. SHOCK-ABSORBING DEVICE FOR MOTOR VEHICLES. SAMUEL F. BASHARA, Houston, Tex. Filed June 11, 1923. Serial No. 644,622. 4 Claims. (Cl. 267—67.)



1. In a device of the character described, the combination of a Ford car frame, a front radius rod having a bearing opening at its apex, a tie rod secured to the forward end of said car frame said radius rod being slidable yieldably on said tie rod opening, and a support for the rear end of said tie rod comprising a bracket on said tie rod and an attaching means on the crank case of said car cooperating with said bracket for the purpose described.

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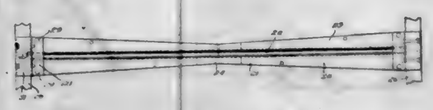
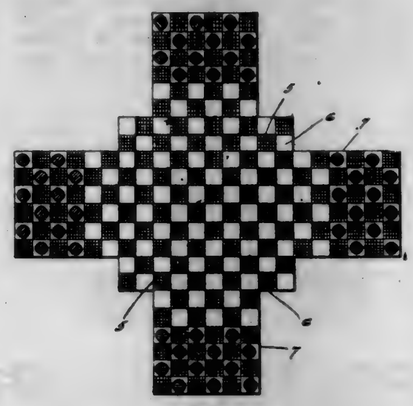
1,555,936. CARLINE CONSTRUCTION. JOHN W. BRENBAUM, Chicago, Ill., assignor to Chicago-Cleveland Car Roofing Company, Wilmington, Del., a Corporation of Delaware. Filed June 1, 1920. Serial No. 385,460. 2 Claims. (Cl. 108—56.)



1. In a carline construction, the combination with the side plates of a car roof frame; of a carline embodying a trough shaped rigidifying rib of constant width having sides decreasing in depth from the ridge portion toward each end, the upper edges of said sides terminating in outwardly extending lateral flanges increasing in width as the sides decrease in depth, and flanges at each end of the carline being downturned from said outwardly extending lateral flanges and outwardly turned from the sides of said trough shaped rigidifying rib and engaging and secured to the side plates below the top faces of the latter; and reinforcing plates overlying and secured to the outwardly extending lateral flanges of the trough shaped rigidifying rib and bent upwardly and engaging over the top faces of the side plates.



1,555,937. CHECKER BOARD. JESSE B. BILLMAN, Gunsight, Tex. Filed Mar. 21, 1925. Serial No. 17,257. 1 Claim. (Cl. 273—131.)



In a checker board, a square area, a plurality of rectangular areas one on each side of the square area, said areas having a checker board arrangement of playing spaces thereon, rectangularly disposed lines provided on the square area within the confines of the edge rows of its playing spaces.

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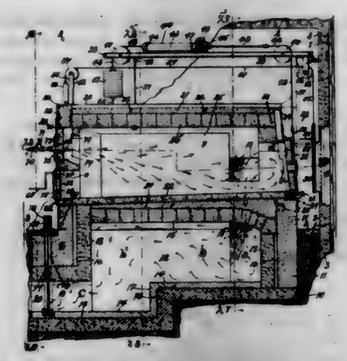
1,555,938. MORTUARY FURNACE. HENRY E. BRETT, Los Angeles, Calif. Filed Apr. 18, 1922. Serial No. 554,422. 16 Claims. (Cl. 110—8.)



1. The mortuary furnace set forth comprising a retort formed with a crypt in said retort; said crypt having a receiving end and a discharge end; a smooth floor having its top surface inclined downwardly from the receiving to the discharge end; and extending the full length of said crypt doors for opening and closing the ends of said crypt, side walls continuous with said floor, said walls and doors fitted to said floor to retain the ashes from a human body thereon until cremation of said body is completed.

1,555,939. YIELDING FRICTION DRIVE. ODILON BRISBOIS, Chicago, Ill. Filed Feb. 6, 1922. Serial No. 534,361. 1 Claim. (Cl. 192—45.)

In a one-way clutch, an outer member, an inner member, a rolling element between said members and operatively contacting therewith upon points separated by an arc of substantially 170 degrees circumferentially of said rolling element.

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1,555,940. PROCESS OF MAKING INSULATORS. AUGUST BÜLTEMANN, Dresden, Germany. Filed Jan. 2, 1924. Serial No. 684,072. 6 Claims. (Cl. 18—47.5.)

1. The method of making composite electric insulators which consists in cementing the several parts of the insulator by means of a hydraulic binder to which a water repelling substance and a solvent for same has been admixed.

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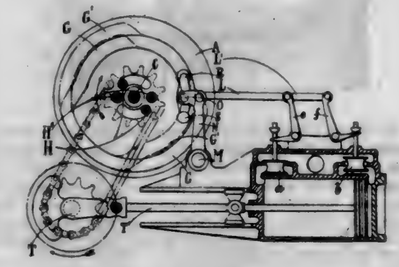
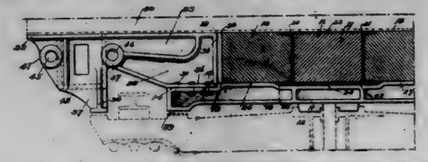
1,555,941. VALVE GEAR FOR ELASTIC-FLUID ENGINES. ARTURO CAPROTTI, Milan, Italy. Filed July 14, 1920. Serial No. 396,278. 6 Claims. (Cl. 121—127.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. Valve gear for elastic fluid engines comprising an actuating shaft driven by the engine, two cams on said shaft both of which are angularly adjustable to take up different positions relative to the shaft, a rocking beam, one end of which is controlled by one cam and the other end by the other cam, the active contour of each cam consisting of two arcs of different radii but with the same centre on the axis of the actuating shaft, with suitable sloping lines connecting said two arcs, a valve which is caused to open when an intermediate point of the rocking beam moves from its central position to one of its extreme positions, but remains closed when said intermediate point moves from said central position to the opposite extreme position, a single controlling shaft adapted to be operated by the engine driver, and to simultaneously control the positions of both cams in such a way that, for forward motion of the engine, the time of opening of the valve varies only with the position of one of the cams, while the time of closing varies only with the position of the second cam, while on the engine reversing its motion, the time of opening of the valve varies only with the position of the second cam, and the time of closing with the position of the first cam.

1,555,942. BOLSTER CONSTRUCTION. ROY E. CARTDAFNER, Passaic, N. J. Filed Jan. 7, 1924. Serial No. 684,725. 28 Claims. (Cl. 105—160.)



1. In a car underframe, the combination of a car body bolster, a center sill supported centrally thereon, brackets carried at opposite ends of the bolster, a bunk supported on the center sill and brackets, said brackets being in spaced relation to, and independent of, the center sill and said center sill substantially filling the space between the brackets and coacting with the brackets to provide a substantially continuous support for the bunk.

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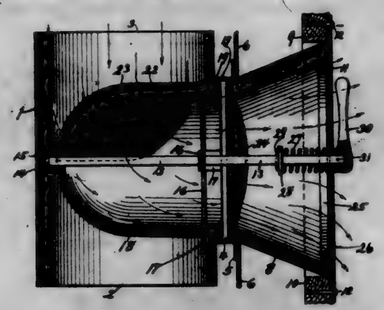
1,555,943. CAR VENTILATOR. ALLEN W. CLARKE, Jeffersonville, Ind., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 15, 1924. Serial No. 692,950. 5 Claims. (Cl. 98—22.)



1. In a car ventilator, a tubular member horizontally mounted on the car, a tubular deflector rotatably mounted in said tubular member and having openings communicating with said tubular member and the interior of the car, an outlet member communicating with said deflector, a register, a shutter controlling the openings in said register and operating means for said shutter adapted to operate said deflector.

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1,555,944. PROCESS OF MANUFACTURE OF CYANIDES AND THEIR DERIVATIVES FROM THE ALKALI-EARTH-METAL CYANAMIDES. PAUL COMMENT and DANIEL HATT, Thann, France, assignors to Fabriques de Produits Chimiques de Thann et de Mulhouse, Thann, Haut-Rhin, France. Filed Jan. 25, 1924. Serial No. 688,618. 2 Claims. (Cl. 23—79.)

1. A process of manufacture of cyanides of the alkali metals which consists in mixing calcium cyanamide, calcium carbide and a carbonate of an alkali metal, in the proportions given by the equations:

$$CaCN_2+2CaC_2+Na_2CO_3 \rightarrow Ca(CN)_2+2CaO+Na_2O+4C$$
$$Ca(CN)_2+2CaO+Na_2O+4C \rightleftharpoons 2NaCN+3CaO+4C$$

and, in heating the mixture in such manner that the quantitative yield of cyanide according to the equations will be approximately attained.

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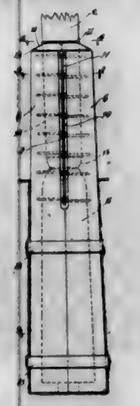
1,555,945. POLE SUPPORT. FRANCIS CUTTLE and HENRY E. DE NYSE, Riverside, Calif. Filed Dec. 8, 1923. Serial No. 679,332. 5 Claims. (Cl. 72—84.)

1. A pole support comprising a tubular cementitious member having a corrugated pole seat, the corrugations extending from end to end of the seat to form drain and ventilation ducts, there being a longitudinally extending channel opening from the seat to the outer face of said member and there being transversely extending ducts connecting the first ducts and the channel.



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1,555,946. TEE DEVICE. ULRIC C. DEIKE, Washington, D. C. Filed Oct. 29, 1923. Serial No. 671,563. 3 Claims. (Cl. 273—33.)

1. A tee forming device comprising a mold, a handle for said mold and an integral spring tongue carried by the device for contact with a relatively stationary object to remove the contents of the mold.

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1,555,947. PROCESS OF MAKING ISOBORNYL ESTERS. JOSEPH EGGERT, Hillside, N. J., assignor of one-third to John C. Dehls, Newark, N. J., and one-third to Leo Stein, East Orange, N. J. Filed May 18, 1920, Serial No. 380,953. Renewed Feb. 19, 1925. 9 Claims. (Cl. 260—99.)

1. The process of making isobornylesters which consists in heating a mixture of pinene hydrochloride and dipentene hydrochlorides, and fatty acid in the presence of a deacidifying agent and a metamerising metal.

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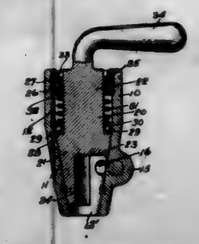
1,555,948. MIXING FAUCET. ABRAHAM ENGEL, New York, N. Y. Filed Aug. 13, 1924. Serial No. 731,772. 6 Claims. (Cl. 251—106.)



1. A device for controlling and regulating the flows of fluids from different sources comprising a casing having a plurality of inlets and an outlet, a plug movably mounted in said casing, and an extension on said plug for controlling said inlets simultaneously, said extension and a portion of the wall of said casing forming a passage between said inlets and said outlet.

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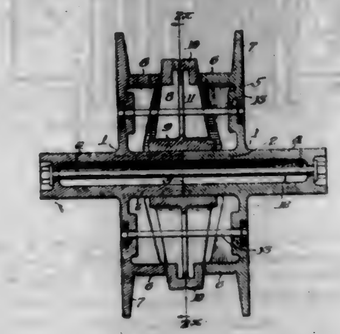
1,555,949. TUMBLER FOR ENDLESS-CHAIN MACHINES. ALFRED H. HERTON, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed Aug. 21, 1922. Serial No. 583,439. 4 Claims. (Cl. 64—17.)



1. A tumbler of the character described, composed of an intermediate member which comprises a central sleeve and a rim portion supported upon said sleeve, and a pair of main members on opposite sides of said intermediate member constructed with axially aligned hub portions fitting within said sleeve, radial portions carried by said hub portions, rim portions carried by said radial portions, and tie rods passing through the radial portions of the main members holding the hub portions together within the sleeve.

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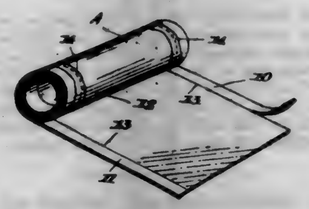
1,555,950. WALL-PAPER ROLL. HENRY ANDREW FAUTEUX, Ottawa, Ontario, Canada. Filed Sept. 8, 1924. Serial No. 736,647. 2 Claims. (Cl. 206—59.)



1. A roll of paper of the character described having selvages almost but not completely severed therefrom and provided with a light coating of adhesive on the back adapted to dry quickly and, when moistened, to permit the separation of the selvages completely from the roll.

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1,555,951. INSECTICIDE. WILLIAM LUDWELL OWEN, New Orleans, La. Filed Oct. 4, 1923. Serial No. 666,620. 4 Claims. (Cl. 167—6.)

1. An insecticide in jelly form consisting of agar and a poison.

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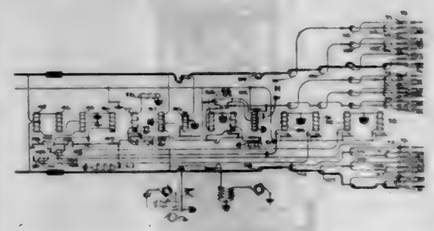
1,555,952. AUTOMATIC TELEPHONE SYSTEM. WILLIAM WALTER OWEN, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 12, 1918, Serial No. 239,504. Renewed July 19, 1924. 25 Claims. (Cl. 179—18.)



23. In a telephone system, a calling line, a switch for said line having a plurality of wipers, lines accessible to each wiper, means for operating said switch in response to two digits of a called number to extend a connection over one of said wipers to a called one of said lines, a plurality of relays for switching the calling line into connection with any of said wipers, any of said relays operable automatically either before the first of said digits or after the first one of said digits.

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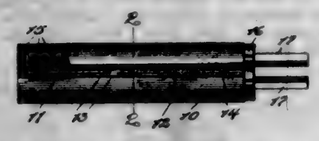
1,555,953. ELECTRICAL HEATING UNIT AND METHOD OF MAKING SAME. MAURICE SIMON, St. Louis, Mo. Filed Apr. 25, 1921. Serial No. 464,201. 9 Claims. (Cl. 201—67.)



3. An electrical heating unit comprising an electrical resistor, and a casing of flexible, heat conducting material having the form of a double walled open seam cylinder.

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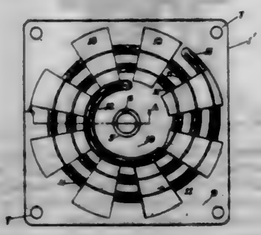
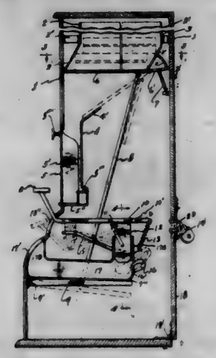
1,555,954. INSULATED SUPPORT FOR ELECTRICAL CONDUCTORS. LOUIS STEINBERGER, Brooklyn, N. Y., and GUY HILL, Washington, D. C. Filed Apr. 26, 1922. Serial No. 556,641. 8 Claims. (Cl. 175—359.)



1. In a device of the kind described, a spiral inductance coil and an insulating support for said coil comprising a raised spiral portion of insulating material in which said coil is partially embedded to permit its upper and lower edges to be exposed the path through the insulation between each turn being substantially greater than the actual distance between the same turns.

1,555,955. SANDWICH-VENDING MACHINE. WILLIS A. WEAVER, Detroit, Mich. Filed Nov. 20, 1922. Serial No. 602,226. 4 Claims. (Cl. 194—79.)



1. In a coin controlled mechanism, a coin channel member having bottom and end outlets, and also provided with a plunger guide above the bottom outlet; a plunger mounted in said plunger guide, an operating lever connected to said plunger, a second lever operatively connected to the said first lever, a magnet carried by the said second lever and normally located at the end opening, and a member below said bottom opening adapted to operate a vending machine.

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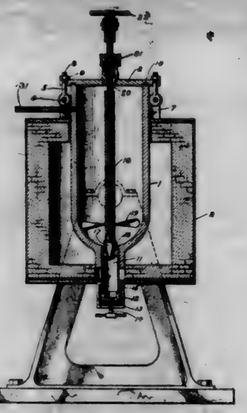
1,555,956. MELTING AND POURING MAGNESIUM. HERMAN E. BAKKEN, Niagara Falls, N. Y., assignor to American Magnesium Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed July 24, 1923. Serial No. 653,520. 6 Claims. (Cl. 75—1.)



1. The process of treating magnesium and its alloys comprising melting the metal in a container in the substantial absence of reactive gases and during the pouring operation, protecting the molten metal by introducing glycerine into the said container.

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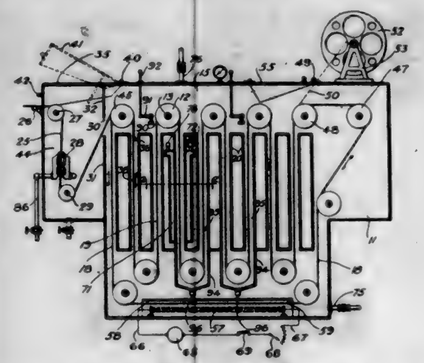
1,555,957. DEVICE FOR TREATING MOTION-PICTURE FILMS. VINCENT C. DE YBARRONDO, Los Angeles, Calif. Filed Jan. 30, 1922. Serial No. 532,918. 10 Claims. (Cl. 34—48.)

9. In apparatus for treating motion picture film, the combination of: a box-like member; a continuous traveling belt within said member; means for attaching film to said belt; an exhaust nozzle for removing water from said film before said film comes in contact with said belt; a heat dispersing element for heating said belt before said film comes into contact therewith; and means for



heating the interior of said box-like member to assist in the vaporization from said film of the moisture remaining thereupon after the subjection thereof to the action of said exhaust nozzle.

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1,555,958. METAL WHEEL AND METHOD OF MAKING SAME. ALBERT M. FORD, Geneva, Ohio, assignor to The Geneva Metal Wheel Company. Filed June 18, 1921. Serial No. 477,019. 1 Claim. (Cl. 301—65.)

A metal wheel comprising a rim, spokes secured at their outer ends thereto, a central hub member in the form of a box internally machined to receive a bearing, a seat comprising a circumferential groove formed externally of said box, a radial projection in said groove, an annular body of cast metal seated in said groove and embracing said radial projection, said annular body firmly engaging the inner ends of said spokes.

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1,555,959. LIGHT ALLOY AND PROCESS OF MANUFACTURE OF THE SAME. ANDRÉ ANGELO FRESNEAU, Aubervilliers, France. Filed Mar. 6, 1924. Serial No. 697,395. 5 Claims. (Cl. 75—1.)

1. A metal alloy the composition whereof is substantially: aluminium 93.3, copper 3.4, nickel 1, zinc 1.8 and magnesium 0.5.

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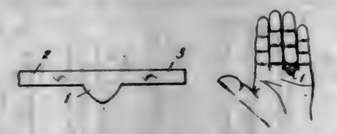
1,555,960. SANITARY PROTECTOR. CLARENCE W. FULLER, Yonkers, N. Y. Filed Nov. 10, 1924. Serial No. 748,848. 6 Claims. (Cl. 128—155.)

1. A sanitary protector of the type described, comprising a thin flexible shielding member, and a retaining strip connected to said member near one edge thereof, the said member projecting out on one side of said strip to a considerable extent and being substantially flush with the other side thereof, whereby the projecting portion of said member is adapted to fit snugly over



and conform to the contour of the palm of the hand at the base of a finger, and the retaining strip is adapted to be wrapped about the base of the finger.

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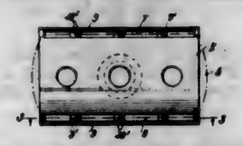
1,555,961. SAFETY RAZOR. MOTT G. GILLETTE, Garden City, N. Y. Filed May 12, 1923. Serial No. 638,594. 2 Claims. (Cl. 30—12.)



1. A razor having a backing, a blade adapted to be seated thereon, a guard disposed over said blade, a handle for the razor, said guard having a longitudinal slot therein near one edge, widely separated supporting partitions in said slot of substantially V-shaped cross section, the apex of the partition being disposed adjacent the lower surface of the blade and forming a support for said blade, said partitions gradually widening toward the lower surface of the guard.

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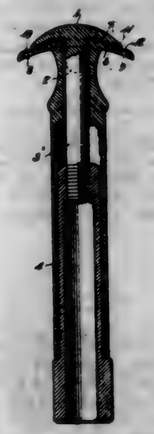
1,555,962. SAFETY RAZOR. MOTT G. GILLETTE, Garden City, N. Y. Filed June 12, 1923, Serial No. 644,876. Renewed Feb. 27, 1925. 4 Claims. (Cl. 30—12.)



1. In a razor, the combination with a backing, a flexible blade carried thereby, a guard for the blade, said guard being formed with undercut recesses adjacent the cutting edges of the blade a handle for flexing said blade, said handle being adjustable and when moved in one direction being adapted to flex the cutting edges of the blade into said undercut recesses to protect said cutting edges said blade being adapted to be released from said recesses upon a different adjustment of said handle to permit its cutting edges to be exposed.



1,555,963. AUTOMATIC MECHANISM FOR RAISING LIQUIDS. SAMUEL M. GREENIDGE, Washington, D. C. Filed Dec. 24, 1921. Serial No. 524,602. 15 Claims. (Cl. 162—3.)

1. An automatic mechanism for raising liquids from a well, including a pressure supply pipe, an eduction pipe, and a liquid supply pipe, a valve for controlling communication between the three pipes, and means for controlling said valve in accordance with the level of the liquid in the well

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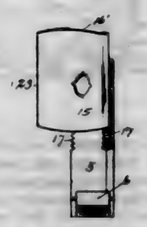
1,555,964. BLADE FOR ASPHALT AND THE LIKE MIXERS. LOUIS A. GUEDEL, Indianapolis, Ind., assignor to Hetherington and Berner, Indianapolis, Ind., a Corporation of Indiana. Filed Jan. 3, 1925. Serial No. 440. 4 Claims. (Cl. 88—11.)



1. The combination with a mixer blade, of a separate outer end member therefor having a channel with outwardly oblique sides in which the blade is received said blade having beveled corners to fit the oblique sides of the channel, a bolt seated in one of the members and passing through a slot in the other and means on the bolt to draw the oblique portions into wedging engagement.

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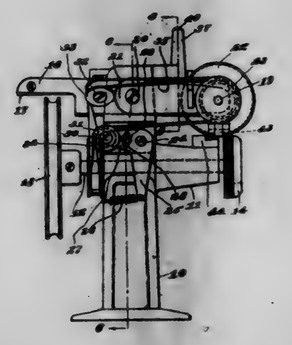
1,555,965. RUBBING-OUT MACHINE. WILLIAM C. HAKE, St. Louis, Mo. Filed June 27, 1922. Serial No. 571,326. 5 Claims. (Cl. 12—55.)

1. In a rubbing out machine of the class described, the combination with a feed wheel arranged to rotate in a vertical plane and having a circumferential feed sur-

face for feeding the work, of a rubbing wheel arranged to rotate in a vertical plane substantially at right angles to the plane of rotation of said feed wheel, whereby the



circumferential surface of said rubbing wheel passes across the feeding surface of said feed wheel, and means for rotating said wheels in unison.

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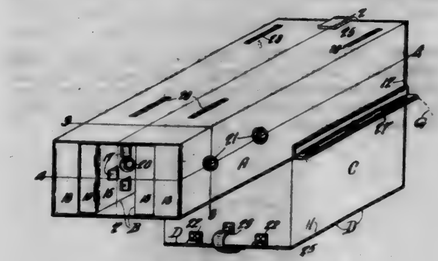
1,555,966. ANIMAL TRAP. AKOS J. HALL, Cleveland, Ohio. Filed Nov. 2, 1923. Serial No. 672,265. 7 Claims. (Cl. 43—65.)



4. An animal trap, comprising a housing composed of an entrance portion and an exit portion; a pair of aligned walls movable in said entrance portion and provided with inwardly and rearwardly projecting teeth, a pair of springs between each of said walls and the corresponding wall of said entrance portion to normally hold said walls in spaced relation to each other but permit said movable walls to be moved away from each other, a bait shelf at one end of said exit portion, a pair of trap doors hinged to said exit portion intermediate said entrance portion and said bait shelf normally closed and adapted to be opened by the movement of an animal in said trap to drop the same therethrough, and springs between said doors and said exit portion to normally hold said doors closed.

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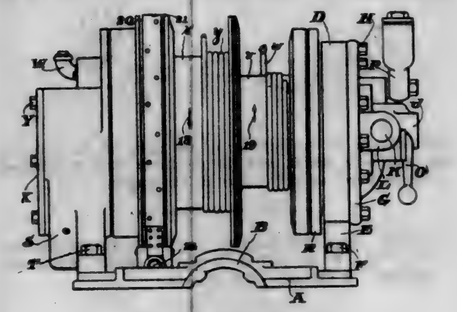
1,555,967. SLIP-DRUM HOIST. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 10, 1923. Serial No. 661,949. 3 Claims. (Cl. 254—185.)

1. In a hoist, the combination of a frame, a driving shaft, two drums rotatable about the driving shaft, a motor connected to operate the driving shaft, opposed drivers carried by said drums, and a pair of pawls having engaging devices so connected that when one pawl



rocks in one direction and automatically connects one drum to the driving shaft, the other pawl is rocked in the opposite direction and assumes an inoperative position.

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1,555,968. BRAKE RIGGING. SOREN HANSSON, Butler, Pa., assignor of one-half to Harry T. Anderson, Butler, Pa. Filed July 24, 1923. Serial No. 653,579. 4 Claims. (Cl. 188—209.)

3. A brake rigging member comprising a U-shaped body member formed of a single piece of flat metal and having opposed openings formed near its ends and also having flanges tapering from said openings toward the mid-portion of said U-shaped member, the edges of said flanges being bent outwardly into engagement with each other to form a bearing portion of reduced cross sectional area at said mid portion.

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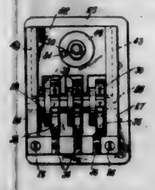
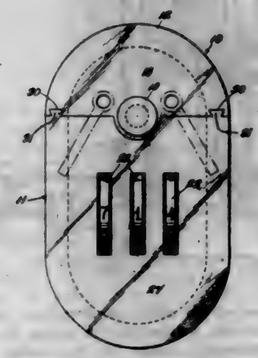
1,555,969. KEYLESS LOCK. ALEXANDER GILCHRIST HATCH, Honolulu, Territory of Hawaii, assignor, by direct and mesne assignments, to W-H Keyless Lock Company, Limited. Filed Mar. 12, 1924. Serial No. 698,718. 9 Claims. (Cl. 70—53.)



1. In a keyless lock, a slidably mounted locking bolt having a plurality of spaced legs each provided with an angularly extending toe, and a plurality of axially aligned solid discs co-operatively rotatably mounted relative to said bolt, each having an annular rib on one face, said ribs being provided with a cut-away portion to permit the passage of said toes therethrough, said bolt being slidable transversely of the axis of said discs.



1,555,970. CASING FOR KEYLESS LOCKS. ALEXANDER GILCHRIST HATCH, Honolulu, Territory of Hawaii, assignor, by direct and mesne assignments, to W-H Keyless Lock Company, Limited. Filed Mar. 20, 1924. Serial No. 700,686. 8 Claims. (Cl. 70—53.)



1. In a lock, a casing member comprising a back wall and a top portion having dovetail grooves; a second casing member comprising front, bottom and side walls, the latter being provided with complementary tongues for engaging said grooves; and a lock member carried by each of said casing members, said lock members being adapted when engaged to prevent relative movement of said casing members.

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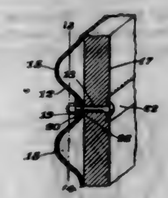
1,555,971. END STRUCTURE FOR RAILWAY CARS. ROBERT D. HAWKINS, Wilmington, N. C. Filed Mar. 2, 1923. Serial No. 622,304. 2 Claims. (Cl. 105—410.)



1. An end for a railway car comprising a metallic panel with inwardly and outwardly projecting parallel corrugations formed therein, a wooden lining having contact with the apices of the inwardly projecting corrugations, bolts passing through said apices to hold said lining in contact with said panel, and bearing washers for said bolts fitting the contour of said corrugations.

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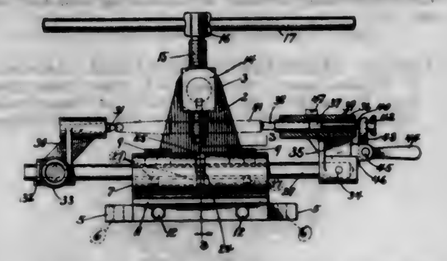
1,555,972. DRILL-STRAIGHTENING DEVICE. RICHARD HERVIG, Chicago, Ill., assignor to American Car and Foundry Company, St. Louis, Mo., a Corporation of New Jersey. Filed Jan. 11, 1921. Serial No. 436,506. 11 Claims. (Cl. 153—52.)

1. In a work straightening device, a work holding device adapted to support the work for rotation about the axis of the work and to rotate the work about an axis offset from the axis of the work, and means adapted to



exert pressure on the work, said pressure means being bodily movable to permit rotation of said work holding device and work.

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1,555,973. MANICURE DEVICE. SMITH A. HOOS, Rices Landing, Pa. Filed Dec. 13, 1924. Serial No. 755,633. 2 Claims. (Cl. 30—23.)

1. In combination, a device for the purpose set forth comprising a flat elongated body portion having its forward end formed to provide a clipping jaw, a lever pivotally connected to said body portion and having its forward end formed to provie a clipping jaw, said lever shiftable to actuate the said jaw carried thereby to provide a shearing action in conjunction with the jaw carried by said body portion, a cutting blade pivotally connected to the rear end of said body portion, a spring element connected to said body portion, one end of said spring element engaging said lever for normally maintaining the said jaws in the open position and the other end of said spring member engaging said cutting blade for maintaining the latter in either the open or closed position, and a file member pivotally connected with the rear end of said body portion and shiftable to overlap said lever for maintaining the device in the closed position.

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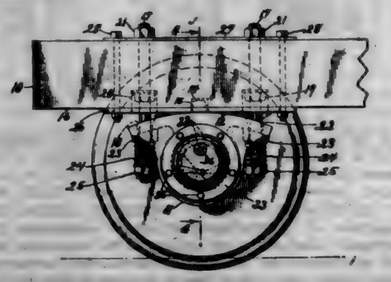
1,555,974. JOURNAL-BOX ASSEMBLY. MARION W. HOLLINGSWORTH, Terre Haute, Ind., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 6, 1923. Serial No. 655,864. 6 Claims. (Cl. 295—42.)



1. In a journal box assembly for cars, the combination comprising a rockable journal box having a relatively wide longitudinally curved car engaging face, box and

car interlocking portions rising from said face intermediate its length, and resilient means on opposite sides of said interlocking portions for connecting said box and car.

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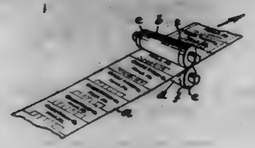
1,555,975. STRIP-FEEDING MECHANISM. ARCHIBALD B. HUBARD, Ogonts, Pa., assignor to Globe Ticket Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 26, 1923. Serial No. 653,904. 3 Claims. (Cl. 271—2.4.)



1. Strip feeding means comprising two feed rolls between which the strip is confined, means yieldingly pressing the rolls toward each other to increase the gripping of the strip by the rolls, means by which the rolls are turnable at equal peripheral speeds, one of the rolls having a circumferential groove, and a strip feeder having a series of perforating teeth fixedly carried by the other roll and projecting beyond the periphery of said roll and registering with and projecting into said groove of the other roll, whereby the paper is perforated in a continuous manner as it is fed by the rolls, said teeth being so close to each other that at least one of the teeth will be in engagement with the portion of the strip between the rolls.

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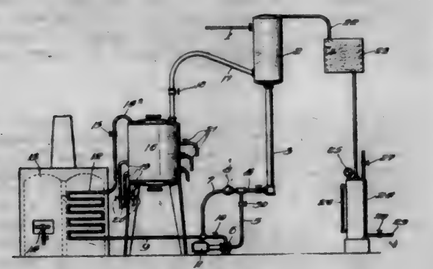
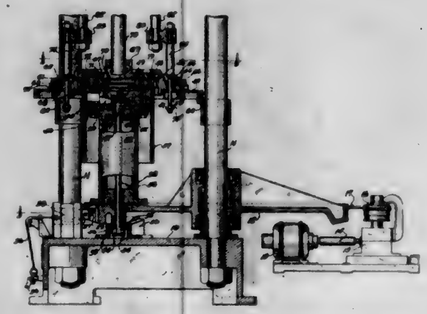
1,555,976. APPARATUS FOR TREATING OIL. LYMAN C. HUFF, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Apr. 14, 1923. Serial No. 632,019. 3 Claims. (Cl. 196—99.)



1. In an apparatus for treating oil, the combination with a heating coil through which a stream of oil is passed to be heated to a cracking temperature, an enlarged conversion chamber receiving said highly heated oil and in which chamber a substantial portion thereof vaporizes, of a dephlegmating means connected to the conversion chamber, a recycling line for returning the reflux condensate to the heating means for retreating, a pump interposed in said line, a by-pass around the pump and a check valve in said by-pass whereby the recirculation continues automatically with the failure of the pump by head pressure.

1,555,977. PRESS. EDWIN F. HULBERT, Milwaukee, Wis., assignor to The Master Package Corporation, Owen, Wis., a Corporation of Wisconsin. Filed Dec. 15, 1924. Serial No. 755,993. 11 Claims. (Cl. 93—55.)



1. In a press of the character described, the combination of an internal holder for the siding to be headed, an external clamping means for the siding, a plunger having a head-clamping part and a forming part movable relative to said head-clamping part, means for operating said plunger to move said head-clamping part to clamp the head between it and said internal holder and thereafter move said forming part to its work, and means for operating said external clamping means before said plunger comes into operation.

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1,555,978. METAL STOCK. ANDREW M. HUNT, Niagara Falls, N. Y., assignor to American Magnesium Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Aug. 26, 1920. Serial No. 406,219. 8 Claims. (Cl. 75—1.)

1. As a composition of matter, a mechanical mixture of metals in the form of compressed coherent mass and comprising disseminated magnesium.

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1,555,979. DOLL'S EYES. WILLIAM CROSBY HUNTER and FREDERICK WALTER SIMS, Southampton, England. Filed Feb. 27, 1923. Serial No. 621,641. 4 Claims. (Cl. 46—10.)

1. The combination of a hollow doll's head having eye holes, eyeballs fixed together, pivotally mounted, and having irises for registering with said holes, an arm associated with the eyeballs, a weight on the arm, a releasable retaining catch for retaining the eyeballs against pivotal movement when the head is moved to a reclining position, a supporting surface within the head for a loose member, and a loose member movable freely in any direction on said supporting surface, said retaining catch having a portion which is adjacent said surface, said surface extending across the head and permitting of movement of said member laterally with respect to the head, whereby chance operation or release of said catch by the loose member, takes place upon rocking and like movement being imparted to the head.



1,555,980. SPELLING PUZZLE OR GAME. GEORGE HARRISON JOHNSON, Tottenville, N. Y. Filed July 11, 1923. Serial No. 650,963. 1 Claim. (Cl. 273—132.)

A puzzle or game comprising a container and a plurality of blocks having raised letters and colored differently on each side to designate proper names, said blocks being movable one at a time to different arbitrary positions within the said container to complete the spelling of the proper name.

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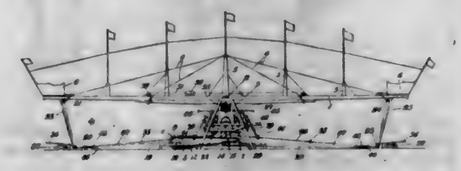
1,555,981. AMUSEMENT DEVICE. JUSTIN B. JOHNSON, Nahant, Mass. Filed May 16, 1922. Serial No. 561,284. 19 Claims. (Cl. 272—54.)



15. In a device of the class described, a main member pivoted for oscillation, means for applying force to said member to effect oscillation thereof, means other than said first-named means for bringing said main member to rest, and means co-ordinating the force applying means and the arresting means to bring the main member to rest after motion in one direction before the application of force to move the main member in the opposite direction.

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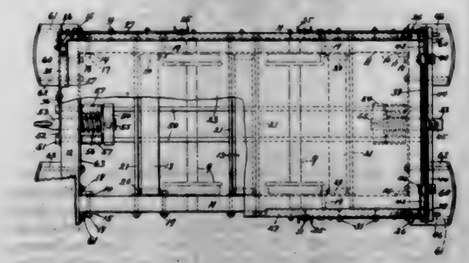
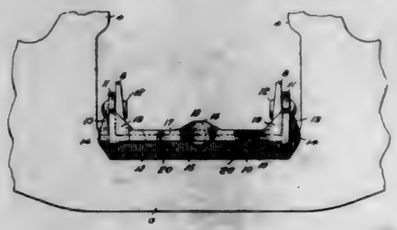
1,555,982. MINE CAR. WARREN V. JOHNSON, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 8, 1923. Serial No. 656,372. 9 Claims. (Cl. 105—364.)



1. A car structure comprising an underframe having side and end sills, a flooring mounted upon said sills and extending outwardly beyond the side sills, side walls secured to said flooring and at one end of the car resting upon an end sill, an end wall connected with the side walls and supported by the end sill at the said end of the car, a gate at the opposite end of the car, and mounting means for the gate connected with the side walls and retaining the side walls in predetermined spaced relation.

1,555,983. SPRING PLANK FOR RAILWAY-CAR TRUCKS. BYRON W. KADEL, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Sept. 7, 1923. Serial No. 661,470. 20 Claims. (Cl. 105—208.)



1. The combination with a car truck side frame, of a spring plank and a seat member having a body portion providing a seating surface for said plank, said body portion being formed with longitudinally disposed ribs arranged to embrace the side frame and upstanding transversely disposed ribs bridging the longitudinal ribs and connected to the spring plank.

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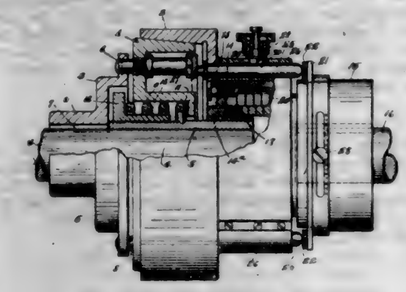
1,555,984. AUTOMATIC CLUTCH RELEASE MECHANISM. MAXWELL R. KARGE and FERNAN O. CONILL, Phoenix, N. Y. Filed Nov. 27, 1920. Serial No. 426,844. 2 Claims. (Cl. 192—56.)



1. In an automatic clutch release, the combination of driving and driven clutch sections, one being shiftable relatively to the other, a driven shaft, headers mounted respectively on the driven clutch section and on the driven shaft, a coiled torsion spring connecting the headers, means for moving the shiftable clutch section toward the other clutch section and cam means mounted on the header on the shaft, a shifter carried by the other header and arranged in the path of said cam means to be actuated by such means upon a predetermined relative turning movement of the headers whereby when the spring is subjected to a predetermined torque movement the shifter is actuated to release the clutch, substantially as and for the purpose described.

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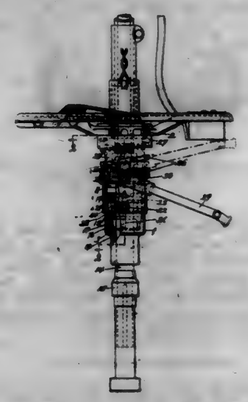
1,555,985. CLUTCH AND BRAKE STRUCTURE. THEODORE C. KASMAUSKI, Granite City, Ill., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 14, 1925. Serial No. 9,266. 9 Claims. (Cl. 192—18.)

1. In a clutch and brake structure, a casing, a drive shaft extending into said casing through one end and rotating therein, a socket extending into said casing

through its other end and rotating therein, a stationary brake member in said casing about said socket, and a collar slidable upon said socket between the stationary brake member and inner end of said drive shaft and held against rotation upon said socket, one end of said collar having a grip portion for engaging said stationary brake



member and checking rotation of said socket when the collar is moved longitudinally upon the socket in one direction, the other end of said collar and the inner end of said drive shaft having cooperating clutch portions engaging when the collar is moved in a direction opposite to its first movement and causing rotation of the socket with the drive shaft.

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1,555,986. TUNING DEVICE. BRUA C. KEEFER, Jr., and EUGENE W. GALETTI, Williamsport, Pa., assignors to Brua C. Keefer Manufacturing Company, Williamsport, Pa., a Corporation of Pennsylvania. Filed May 29, 1923. Serial No. 642,279. 4 Claims. (Cl. 84—396.)

1. In a tuning device for slide trombones and the like, the combination of a tuning member mounted on the ends of the sliding tubes thereof and slidable therewith, a cross brace on the tuning member having a bearing sleeve therein, a cross brace on the sliding tubes having a threaded sleeve therein, an adjusting screw swivelly mounted and removably secured in said bearing sleeve and threaded through said threaded sleeve, manipulating means on the screw between said cross braces and stops for limiting the movement of said tuning member in both directions.

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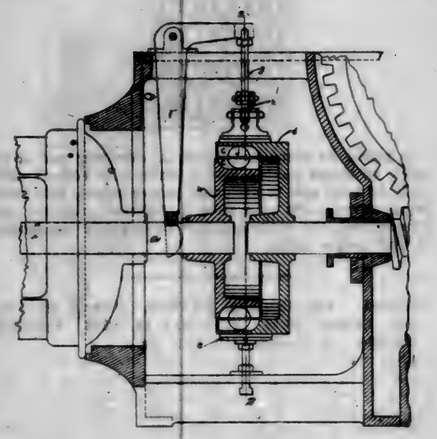
1,555,987. BRAKE FOR ELEVATORS. CHARLES E. KIMBALL, Council Bluffs, Iowa. Filed Jan. 31, 1922. Serial No. 533,060½. 3 Claims. (Cl. 188—156.)

1. The combination of a motor having an armature adapted to move endwise under the influence of the magnetic fields of the motor; an elevator member driven by said motor; a brake on said driven member adapted to be operated by the endwise movement of said armature; V-shaped race ways in said driven member and a projection on said armature engaging said race ways



and adapted to allow the armature to rotate in either direction and move endwise a limited distance before moving the driven mechanism.

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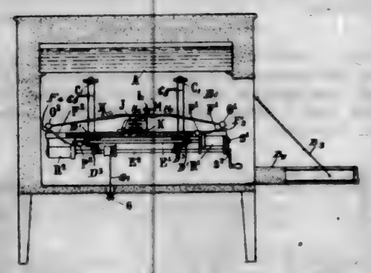
1,555,988. INCUBATOR. ALADÁR LEDÁCS KISS, Budapest, Hungary, assignor of one-half to George Molnar, Budapest, Hungary. Filed Jan. 15, 1924. Serial No. 686,447. 10 Claims. (Cl. 119—41.)



10. An incubator having in combination an egg chamber, a hot water container located above the egg chamber, an egg tray in the egg chamber, means comprising a raising shaft rotatably mounted on the egg tray for automatically raising the egg tray toward the hot water container, a weight for rotating said shaft, a brake for maintaining the raising shaft inoperative, means comprising a lowering shaft rotatably mounted on the egg tray for automatically lowering the egg tray away from the hot water container, said lowering shaft being intended to be rotated by the effective weight of the egg tray, a brake for maintaining said lowering shaft inoperative, pulleys mounted in the egg chamber, cords for suspending the egg tray, each of said cords straddling one of said pulleys and having its one end coiled round the raising shaft so as to be wound up thereon during the rotation of the raising shaft, and having its other end coiled round the lowering shaft so as to be wound up thereon during the rotation of the lowering shaft and a thermostat for releasing the brake on the raising shaft on the temperature in the egg chamber falling and releasing the brake on the lowering shaft on the temperature in the egg chamber rising, as set forth.

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1,555,989. REENFORCEMENT SYSTEM FOR CONCRETE STRUCTURES. KONRAD KISSE, Berlin, Germany. Filed Aug. 26, 1922. Serial No. 584,528. 1 Claim. (Cl. 72—76.)

A structure suitable for a pole or the like with several interconnected polygonal sections comprising a number of primary longitudinal reenforcing members equal in number to the corners of the polygonal sections, a single secondary tie member in each polygonal section extending spirally around the primary members in the respective section and a connecting tie member extending around adjacent primary members of different polygonal sections.

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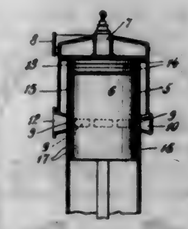
1,555,990. PISTON FOR INTERNAL-COMBUSTION ENGINES. SAMUEL LIPPINCOTT GRISWOLD KNOX, New York, N. Y. Filed May 24, 1922. Serial No. 563,275. 4 Claims. (Cl. 74—108.)



1. In combination, a piston, an engine cylinder having a port near its outer end which is controlled by the piston, the piston being provided with a relatively short sealing portion of full diameter and a skirt portion reduced in diameter sufficiently to break the oil film between it and the cylinder walls but without providing a chamber therebetween, and a relatively short circumferential section on the cylinder, below the ports, adapted to coact with the said skirt portion to form sealing means therewith.

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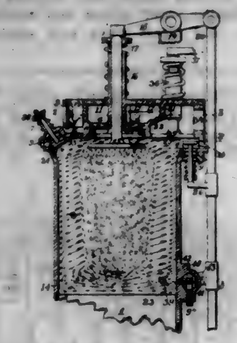
1,555,991. FOUR-CYCLE GAS ENGINE. JOHN KOSAR, Chicago, Ill. Filed Mar. 18, 1922. Serial No. 544,935. 7 Claims. (Cl. 123—75.)

1. In a four-cycle gas engine in combination, a cylinder, a movable piston therein, a cylinder head having an overhead throat with a combined fuel passage and intake





therein, an annular vent below said intake and closed by a poppet intake valve opening inwardly into said



cylinder, and a plurality of helically slanting screw blades located in said annular vent and thereby placed near the intake valve to absorb heat therefrom.

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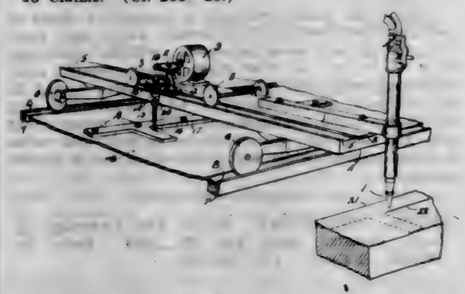
1,555,992. METAL-CUTTING MACHINE. ADOLF KREBS, Boston, Mass. Filed Apr. 11, 1924. Serial No. 705,838. 15 Claims. (Cl. 266—23.)



1. In a machine of the class described, in which a template following element engages a fixed template, the method of operation which comprises rotating the template following element, and manually pressing its periphery into contact with the template, whereby the follower is guided along the contour of the template.

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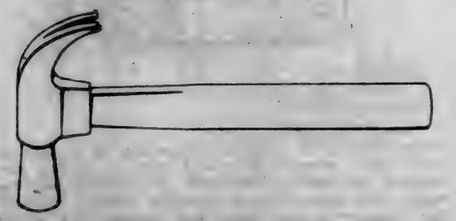
1,555,993. NAIL-DRIVING TOY. HARRY W. LARSON, Pingree, N. Dak. Filed Feb. 11, 1924. Serial No. 692,099. 4 Claims. (Cl. 46—37.)



1. In a nail driving toy, a block composed of sections secured together and having aligning holes and a recess between the holes, a nail slidable in said holes and projecting from one of said sections to be driven into the block by a hammer, a collar secured on said nail within the recess to seat against one end of the recess when the nail is projected, a member seated

against the opposite end of the recess and through which the nail is slidable, and a coiled spring surrounding the nail in said recess and confined between said collar and member, said spring and member being removable from said recess when said sections are separated.

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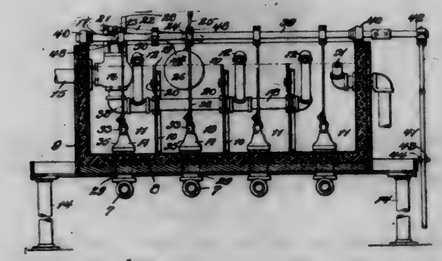
1,555,994. CAN-FILLING APPARATUS. STEWART E. LAUER, St. Louis, Mo., assignor to York Products Corporation, Chicago, Ill., a Corporation of Illinois. Filed July 5, 1923. Serial No. 649,503. 2 Claims. (Cl. 226—105.)



1. In a can filling apparatus, a housing; a series of vertical walls forming compartments within said housing, each of said walls having a vertically adjustable flange at its top; an inlet pipe; a float-operated valve controlling said inlet pipe; an outlet-valve seated in each of said compartments; a lever controlling said outlet-valves; and locking means interposed between said lever and said float-operated valve to hold said valve in closed position while said outlet-valves are in opened position.

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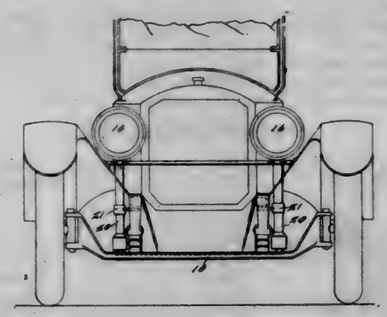
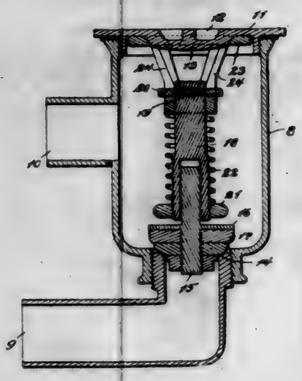
1,555,995. HEADLIGHT. ELLING LEE, Carstairs, Alberta, Canada. Filed Apr. 25, 1924. Serial No. 709,042. 1 Claim. (Cl. 240—62.)



The combination with an automobile, of a pair of posts, lamps mounted upon said posts, a housing surrounding and spaced from each post, spaced bearings within the housing, post receiving sleeves rotatable with respect to said posts and engaging the spaced bearings, arms connected to the sleeves, means operatively connecting the arms and steering mechanism of the automobile to move the arms, means connecting the posts and sleeves to rotate one of the posts when the sleeves are rotated in an opposite direction and springs connecting the posts and arms for returning the posts to normal position.

1,555,996. TEST PLUG. WESLEY LEVERICH, Ferguson, Mo., assignor of one-half to John Coleman Ferguson, Mo. Filed Sept. 11, 1924. Serial No. 737,095. 2 Claims. (Cl. 137—77.)



1. A test plug comprising a plug and a plug stem, said plug secured to said plug stem, a spring sleeve, said spring sleeve secured to said plug stem, a coiled spring and a cage, said cage secured to said spring sleeve, said coiled spring secured around said spring sleeve between said cage and a spring support positioned on said spring sleeve.

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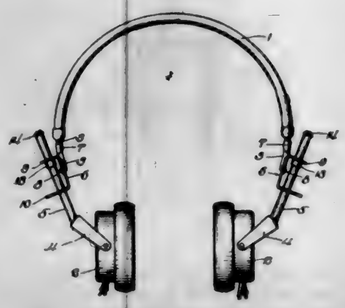
1,555,997. TELEPHONE HEAD SET. TIODOLF LIDBERG, Chicago, Ill., assignor to Chicago Surgical & Electrical Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 22, 1922. Serial No. 602,566. 2 Claims. (Cl. 179—156.)



1. A telephone head set comprising a head band, a bracket secured to one end of the head band and having a pair of substantially parallel laterally extending perforated ears, the axes of the perforations being slightly out of alignment, a sleeve forming part of one ear of the pair and normally out of axial alignment with the perforation through the other ear, a receiver support having a post which passes through the sleeve and perforations in both ears of the pair and frictionally held in any adjusted longitudinal position by the cooperation of the sleeve and the rim of the perforation in the sleeveless ear, and a receiver pivotally carried by the support.



1,555,998. GRAIN CARRIER. NAPOLEON LOISELLE, South Fork, Saskatchewan, Canada. Filed June 16, 1924. Serial No. 720,399. 2 Claims. (Cl. 56—479.)

1. A grain carrier of the character described, comprising a receptacle having side walls, and an end wall, the other end being open, a bottom formed in two pivotally mounted portions, a crank lever, a chain extending from the crank lever to the said portions, and means for operating the crank member.

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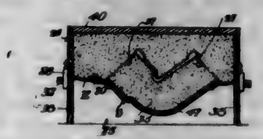
1,555,999. METHOD OF AND PATTERN FOR CASTING METAL PIPE ELBOWS. CHARLES L. LOVELESS, Los Angeles, Calif. Filed May 22, 1923. Serial No. 640,694. 4 Claims. (Cl. 22—161.)



1. A pattern for forming elbow casting molds, comprising a pattern formed into the configuration of an elbow joint, said pattern being split longitudinally to form two complemental members, one of said members having a flat match plate formed integrally therewith.

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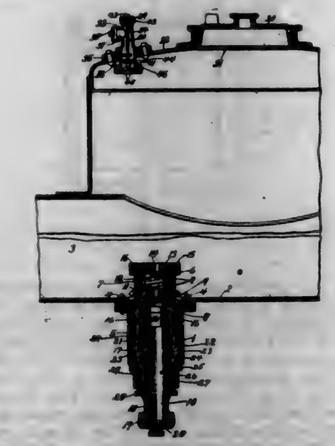
1,556,000. DISCHARGE VALVE FOR TANKS. JOHN J. MCBRIDE, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed June 9, 1922. Serial No. 567,045. 7 Claims. (Cl. 137—21.)



2. In a tank discharge valve, a casing adapted to be secured to the tank, a valve cage having a valve seat carried by said casing, a valve adapted to engage said seat, a discharge outlet carried by said valve and means engaging said outlet and casing adapted to raise said valve from its seat upon rotation of said valve.

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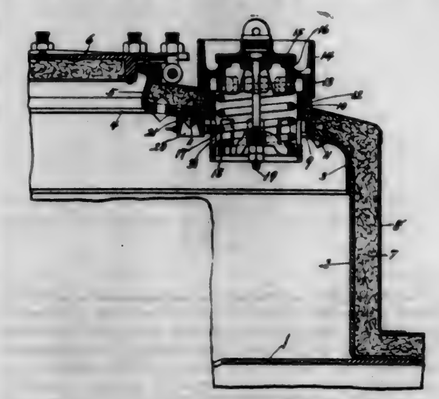
1,556,001. LOCK FOR TANK-CAR SAFETY VALVES. JOHN J. MCBRIDE, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 16, 1923. Serial No. 657,752. 5 Claims. (Cl. 220—55.)



1. The combination of a car tank dome having a manhole and an outlet for fluid under pressure to one side of the manhole, a safety valve secured in the fluid outlet, means for locking the safety valve in place engaging the inner end portion of the safety valve and normally preventing removal of the safety valve, said locking means being disposed entirely beyond the periphery of the manhole but accessible for releasing through the manhole.

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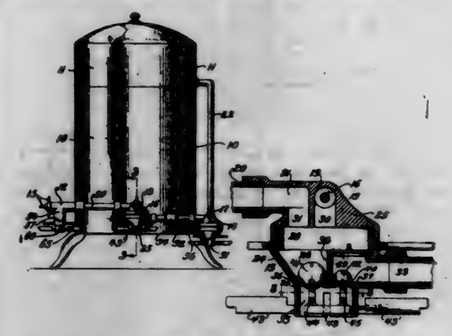
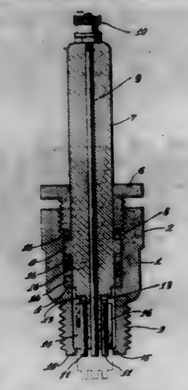
1,556,002. DISPENSING APPARATUS. BENJAMIN H. MCDUFFIE, Brooklyn, N. Y. Filed Mar. 7, 1924. Serial No. 697,662. 2 Claims. (Cl. 225—21.)



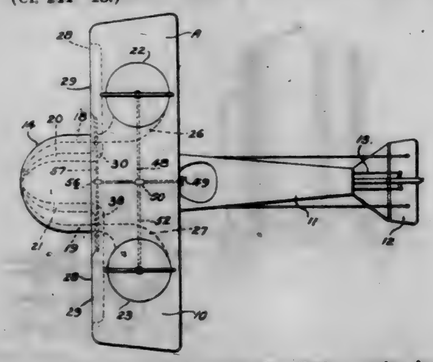
1. An apparatus of the character described comprising a plurality of associated liquid containers, pipes extending from each of the liquid containers, a faucet casing for each pipe, means of communication between each faucet casing, a pair of valve members controlling one faucet casing and the means of communication respectively, a valve member controlling the other faucet casing and said pipes being associated with the faucet casings in a manner whereby one liquid may be dispensed at one casing and a mixture of said liquid with another liquid at the other casing.

1,556,003. SPARK PLUG. WILLIAM MCELROY, Brooklyn, N. Y., assignor of one-third to William McElroy, jr., one-third to Mitchell McElroy, and one-third to William Wolf, all of Brooklyn, N. Y. Filed May 24, 1922. Serial No. 563,329. 1 Claim. (Cl. 123—169.)



A spark plug embodying a shell, an insulating element, means for supporting the insulating element for adjustment longitudinally of the shell, a central electrode carried by the insulating element, a supplementary electrode also carried by the insulating element and extending longitudinally thereof in spaced relation to the central electrode and to the shell, said supplementary electrode being housed within a channel in the insulating element and a channel having an opening to the periphery of the insulating element, whereby electric current passed through the plug may jump the gap from the central electrode to the supplementary electrode, and from the supplementary electrode to the shell in any of the positions of adjustment of the insulating element relative to the shell.

1,556,004. SUCTION PROPELLING MEANS. MAX EMILIUS MILLWOOD, Edmonton, Alberta, Canada. Filed July 22, 1924. Serial No. 727,507. 13 Claims. (Cl. 244—18.)



1. In means of the character described, a casing having air intakes and discharge openings and formed with air channels, power generating means within the casing, a driving shaft for the power means, pairs of propellers keyed on said shaft and in spaced relationship to one another, a baffle member rigidly mounted in the casing between the pairs of propellers, a hub for the baffle member adapted to operatively engage with said shaft, a plurality of blades forming the baffle member, a hinged rim for said blades and a space between said blades corresponding to the width of a blade.

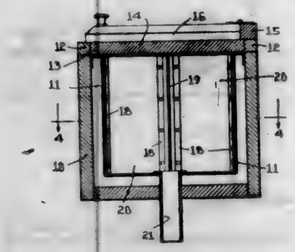
1,556,005. EMULSION AND PROCESS OF MAKING SAME. JACQUE C. MORRELL, Oak Park, Ill. Filed May 18, 1923. Serial No. 639,978. 3 Claims. (Cl. 252—6.)

1. A process for varying the fluidity of the dispersed phase of emulsions consisting in combining emulsions of substances of relatively different fluidity contained in vehicles and producing an emulsion with internal phase having a fluidity substantially intermediate the two combining emulsions, the viscosity of the external phase remaining substantially the same.

1,556,006. BLINDSTITCH-SEWING MACHINE. HARLEY C. MOULTON, Maplewood, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a Corporation of Maine. Filed July 10, 1924. Serial No. 725,136. 17 Claims. (Cl. 112—178.)

7. A blind stitch sewing machine for sewing the edge portion of a superimposed layer upon a base layer of material comprising a needle reciprocable in the general direction of the line of feed, a presser foot having a major toe portion to engage the base layer and a minor toe portion rigidly secured to said presser foot and provided with a convexedly curved surface converging rearwardly toward the needle path to engage the upturned edge of the superimposed layer, a resilient gauge mounted upon said minor toe portion having means to embrace the edge of the superimposed layer at the stitching point, means for adjusting the minor toe transversely relatively to the needle path and means for adjusting said resilient gauge upon said minor toe relatively to the needle path.

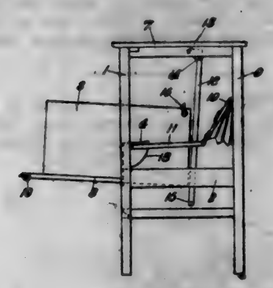
1,556,007. REFRIGERATOR. JAMES R. MURPHY and WILLIAM R. STREB, Grand Junction, Colo. Filed Dec. 5, 1923. Serial No. 678,679. 1 Claim. (Cl. 45—71.)



In a refrigerator and in combination with the usual box structure, a plurality of removable plates subdividing the interior of the structure into compartments including a main division plate extending entirely across the refrigerator, a door frame secured to the open side of the box structure, doors pivoted to the frame, the outer face of the frame in alignment with the adjacent edges of the doors being notched, the frame including a loose removable frame piece having its ends seated in said notches and readily disengageable therefrom, said frame piece receiving adjacent edges of the doors when in closed position and retaining said main partition plate in position within the refrigerator.

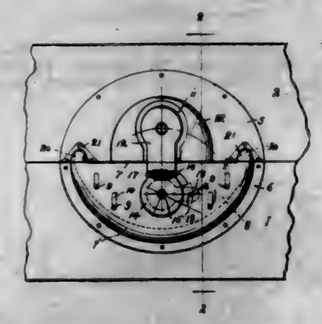


1,556,008. CABINET. GEOFFREY MAXWELL BOUMPHREY, Lymm, England. Filed Mar. 22, 1923. Serial No. 626,960. 3 Claims. (Cl. 211—16.)



1. In gramophone and like cabinets, a stand, a pivotally mounted container therein, a lid for the container hingedly suspended from the stand top in a vertical position, the container having an open side arranged in a vertical plane when in a closed position against the lid, the said side being uppermost when the said container is open or in a horizontal position, the said container being also supported by the stand when in an open position, means for effecting a combined pivotal and rolling movement of the container away from and towards said lid when being moved to a horizontal or to a vertical position respectively, and interlocking means mounted on said container and lid for retaining said parts together when in a closed position.

1,556,009. TRUNK LOCK. ROBERT J. CHEUDEN, Duluth, Minn. Filed Oct. 31, 1924. Serial No. 746,972. 2 Claims. (Cl. 70—115.)

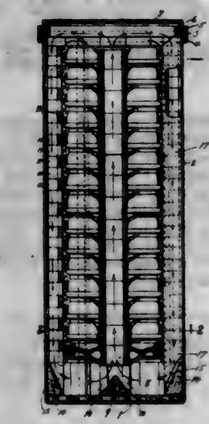


1. A lock of the character described comprising two cooperative housing members, one of said members comprising a lock housing and dowel housings spaced from said lock housing, the other of said members carrying a dowel housing, a slidable dowel segment mounted within the last mentioned housing, a hasp pivotally mounted within the dowel segment housing, and means whereby rotation of the hasp will withdraw or extend the dowels for the purpose described.

1,556,010. HOLDER FOR MINIATURE LOUD SPEAKERS. IRVING H. FISHBLOY, Chicago, Ill. Filed May 4, 1925. Serial No. 27,962. 4 Claims. (Cl. 46—40.)

1. A holder for a miniature loud speaker comprising a support, a flexible sheet carried thereby and having a representation of a living being thereon, said sheet having an opening in the mouth portion of the figure arranged to receive the bell of the miniature loud speaker, whereby the bell simulates the mouth of the figure.

1,556,011. WHEEL PIT. JOHN FREDERICK FISHER, St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 12, 1924. Serial No. 755,488. 11 Claims. (Cl. 263—4.)

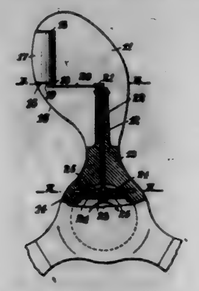


7. A wheel cooling pit having a bottom, an enclosing wall, and a cover for closing the pit at its upper end and shutting off communication with the outer atmosphere, said wall having vertically disposed air ducts open at their upper and lower ends for communication with the upper and lower end portions of the pit, and means for supporting a stack of wheels in the pit in spaced relation to the top and bottom of the pit and permitting air to pass through the hub portions of wheels stacked in the pit.

1,556,012. PROPELLER. ANTON FLETTNER, Berlin, Germany. Filed Feb. 28, 1922. Serial No. 540,008. 24 Claims. (Cl. 170—162.)

1. A rotor comprising in combination a blade loosely movable about an axis extending at an angle to the rotor axis and a governing surface movably connected with such blade for adjusting the blade under the action of current pressure.

2. A rotor comprising in combination a blade loosely movable about an axis extending at an angle to the rotor



axis and a governing surface pivotally connected with such blade for adjusting the blade under the action of current pressure.

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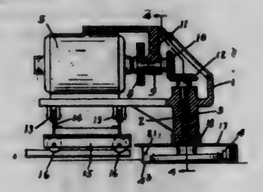
1,556,013. BLOCK-TRIMMING MACHINE. CHARLES S. HEATH, Petoskey, Mich. Filed Aug. 17, 1921. Serial No. 493,043. 1 Claim. (Cl. 144—2.)



In a block surfacing machine a portable track, a truck carriage movable along said track, a track on the truck at an angle to the first named track, a carriage movable on the second track, a surfacing tool at the front end of the carriage having its working edge below the level of the first named track, an inclined shaft supporting the tool in inclined relation to the work, a pair of horizontal shafts geared to the inclined shaft and independent motors driving respective horizontal shafts, substantially as set forth.

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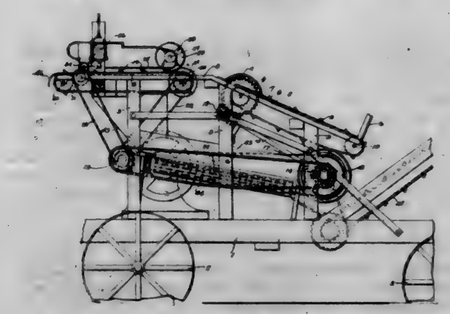
1,556,014. EAR-REMOVING DEVICE. SAMUEL E. MORRAL and WILLIAM W. MORRAL, Morral, Ohio. Filed Nov. 12, 1920. Serial No. 423,507. 37 Claims. (Cl. 130—5.)



1. In a machine of the character described, a supporting structure, a pair of snapping rollers carried by said structure, said structure and said rollers being arranged to permit a stalk of corn to pass between said rollers in a position substantially parallel therewith and to prevent the passage of an ear on said stalk, means to actuate said snapping rollers, said rollers having ear removing portions of less length than said rollers and also having other means to engage said ear and move said stalk lengthwise of said rollers to bring the ear into engagement with the ear removing portions of said rollers.

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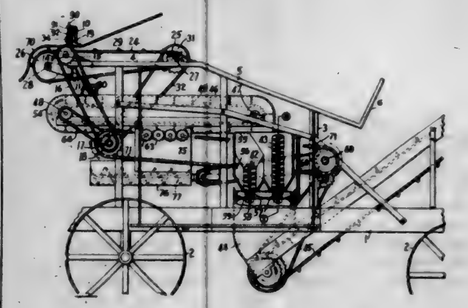
1,556,015. HUSKING MACHINE. SAMUEL E. MORRAL and WILLIAM W. MORRAL, Morral, Ohio. Filed Nov. 16, 1922. Serial No. 601,219. 29 Claims. (Cl. 130—5.)



1. In a machine of the character described, a pair of snapping rollers, means for feeding a stalk of corn between said rollers, and a guard arranged lengthwise of and extending partially about one of said rollers and having one edge provided with pointed teeth and arranged adjacent to the surface of said roller to prevent the corn stalks and the leaves thereon from wrapping about said roller.

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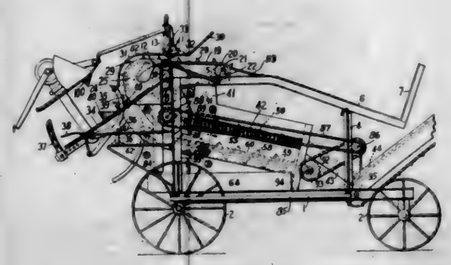
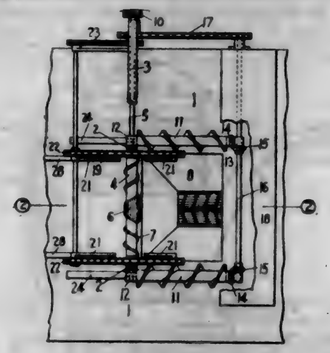
1,556,016. CORN-HUSKING MACHINE. SAMUEL E. MORRAL and WILLIAM W. MORRAL, Morral, Ohio. Filed Apr. 11, 1923. Serial No. 631,385. 28 Claims. (Cl. 130—5.)



1. In a machine of the character described, ear removing devices, means for moving a stalk of corn between said ear removing devices, husking devices to receive the ears from said ear removing devices, a binding table to receive the stalks from said ear removing devices, said table having an opening therein, a conveyor arranged to receive the husks from said husking devices and to discharge the same through the opening in said binding table onto the upper surface thereof, and means to gather said stalks and husks into a bundle and bind the same.



1,556,017. EAR-REMOVING DEVICE. SAMUEL E. MORRAL and WILLIAM W. MORRAL, Morral, Ohio. Filed June 4, 1924. Serial No. 717,721. 18 Claims. (Cl. 130—5.)



1. In a device of the character described, a pair of snapping rollers, and a spiral conveyor rotatable about an axis extending transversely to said snapping rollers and arranged to present a stalk of corn to said snapping rollers in a position substantially parallel therewith.

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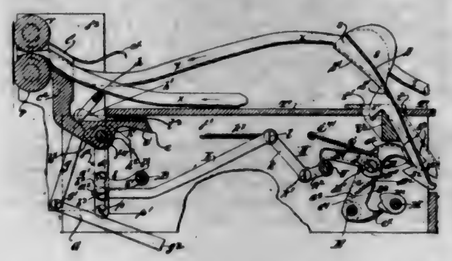
1,556,018. SLIVER-REPLACEMENT MECHANISM FOR TEXTILE MACHINERY. ROBERT E. NAUMBURG, New York, N. Y. Filed Mar. 10, 1921. Serial No. 451,383. 54 Claims. (Cl. 19—157.)



13. In textile machinery, means for guiding a plurality of traveling strands, means for holding another strand in reserve, and means operative upon the breakage or exhaustion of any one of said traveling strands or automatically substituting said reserve strand therefor.

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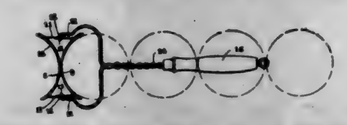
1,556,019. COOKY CUTTER. GERTRUDE H. NEWMAN and FREDERICK HILLS NEWMAN, Milwaukee, Wis., assignors to American Cutter Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 9, 1922. Serial No. 605,996. 3 Claims. (Cl. 107—51.)



1. The combination with a handle, of a pair of curved cutting plates having flanged cutting edges, and means extending rearwardly from said plates rotatably receiving said handle, said plates being held together with their convex sides adjacent each other solely by said handle.

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1,556,020. REMOVABLE CLOSURE FOR RECEPTACLES. JOHN J. NOLL, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a Corporation of West Virginia. Filed July 28, 1922. Serial No. 578,042. 2 Claims. (Cl. 215—44.)

1. A closure for receptacles comprising a metal cap having an uninterrupted top surface and a depending annular flange, projections on the lower edge of said flange arranged to be bent inwardly and upwardly against the interior of said flange, and ribs on said projections forming threads for engaging resiliently threads on the receptacle, the projections having bearings against the inner face of said flange above and below said ribs whereby the said projections and ribs are held tightly against the threads of the receptacle by said flange.

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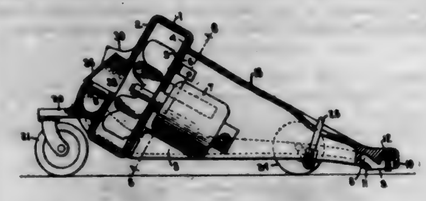
1,556,021. SUCTION CLEANER. WILLIAM V. ORR, Cleveland, Ohio. Filed Jan. 30, 1922. Serial No. 532,828. 5 Claims. (Cl. 15—16.)



1. In a suction cleaner, a rigid structure comprising a nozzle, a motor frame, and a fan chamber arranged in the order named from front to rear, the axis of the fan chamber being downwardly and forwardly inclined, the motor and nozzle being located on the same side of the fan chamber and the inlet of the fan chamber being on the opposite side from the nozzle, said fan chamber having an outlet neck at the side opposite said nozzle adapted for the attachment of a dust bag.

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1,556,022. ALUMINUM SOLDER. ARON L. PENNER, Winnipeg, Manitoba, Canada, assignor of one-half to Jacob F. Froese and one-half to John F. Froese, both of Reinland, Manitoba, Canada. Filed July 21, 1924. Serial No. 727,322. 1 Claim. (Cl. 75—1.)

An aluminum solder comprising the following metals in substantially the following relative parts by weight, respectively: lead, 13 parts, tin, 11 parts, zinc, 4 parts, aluminum, ¼ part, antimony, 1 part.

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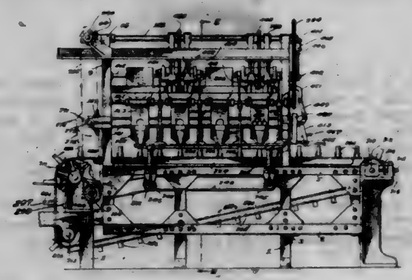
1,556,023. PACKAGING MECHANISM. JONATHAN PETERSON, Brooklyn, N. Y., and JAMES C. THOM, Chicago, Ill., assignors to Combination Machine Company, New York, N. Y., a Corporation of Delaware. Original application filed Feb. 28, 1921, Serial No. 447,151. Divided and this application filed Jan. 19, 1923. Serial No. 613,684. 4 Claims. (Cl. 226—61.)

1. In mechanism for filling pouches with tobacco or similar commodities, in which successive open topped pouches are presented for filling, a plurality of filling devices, a conveyor having a series or spaced pouch holders, means for moving the conveyor intermittently, a plurality of charging devices located at different pouch holder positions, each device including a filling spout, and a vertically movable support for the spouts serving to insert them simultaneously in the corresponding pouches.

3. Mechanism for filling pouches with tobacco or similar commodities, comprising means for supporting and advancing along a substantially straight course a spaced series of flexible pouches with their mouths open for filling, a series of equally spaced filling spouts, means for raising and lowering the spouts simultaneously to



insert the spout mouths in the pouches and withdraw them, a hopper, and a pocketed delivery wheel co-operating with the hopper to discharge a measured amount of material from the hopper into the spout at each filling location of the pouches said filling devices being located along said straight course of pouch advance.

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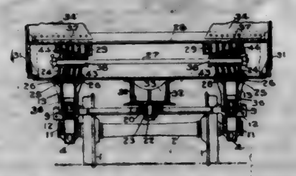
1,556,024. CAR TRUCK. JOHN A. PILCHER, Roanoke, Va. Continuation of application Serial No. 444,168, filed Feb. 11, 1921. This application filed Aug. 11, 1922. Serial No. 581,074. 5 Claims. (Cl. 308—224.)



1. In car construction, a car body, a supporting truck, and rockers interposed between the body and the center of the truck at opposite sides thereof through which all of the load of the car body is transferred to the truck, the said rockers being of conical form and arranged with the truck bearing faces thereof horizontal and the body bearing faces inclined.

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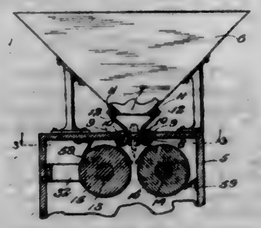
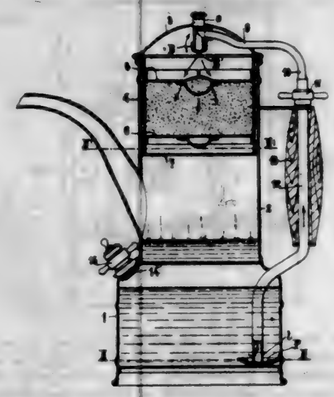
1,556,025. MACHINE FOR REMOVING SKINS OF NUTS. JOSEPH D. PIETLE, Chicago, Ill. Filed May 14, 1920. Serial No. 381,254. 10 Claims. (Cl. 146—11.)



9. In mechanism for blanching almonds or the like, the combination of a pair of resiliently surfaced rolls, means for imparting rotation to said rolls, and means for reciprocating one of said rolls in the direction of its axis, during its rotation; the rotary speed of the reciprocated roll being substantially greater than of the roll with which it co-acts.

1,556,026. APPARATUS FOR USE IN MAKING EXTRACTS, INFUSIONS, DECOCTIONS, AND THE LIKE. LOUIS MARCEL POUGET, Valliere, France. Filed June 30, 1923. Serial No. 648,756. 1 Claim. (Cl. 53—3.)



A boiler, a receptacle detachably mounted therein, a filtering receptacle in the first named receptacle and having a cover which also forms the cover of said first named receptacle, a tube comprising two members, one leading from the bottom of the boiler and the other leading from the first to the upper portion of the filtering receptacle and including a portion arranged without the boiler and first named receptacle and also including a coupling joint, the said members being respectively attached to the boiler and to the first named receptacle, and a handle having a bore through which that portion of the first named tubular member which is arranged with the boiler extends.

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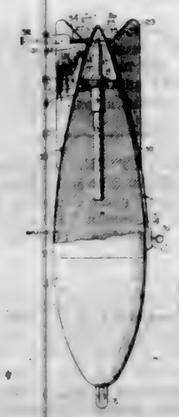
1,556,027. REAR-FIRING MECHANISM FOR HIGH-CAPACITY DROP BOMBS. EARL J. W. RAGSDALE, U. S. Army. Filed Feb. 4, 1919. Serial No. 275,025. 10 Claims. (Cl. 102—2.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



4. In fire bomb, the combination with a forward casing having an explosive chamber open at the rear end of a ring for closing the rear end having a peripheral flange



adapted to encircle the rear end of the casing and to be bound thereto, a rear casing secured to the ring, and a fuse carried by the ring.

10. A fuse embodying a member adapted to slide within a fuse body and firing elements carried by the member and normally movable therewith, one of said elements free to move with respect to the member under the force of inertia to engage the other element and fire the fuse.

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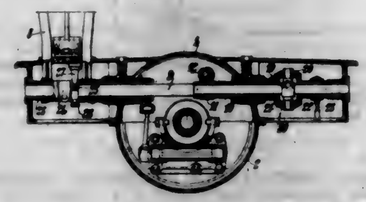
1,556,028. CONSTRUCTION OF MOTOR VEHICLES. LOUIS RAPHAEL RAVEL, Besancon, France. Filed May 12, 1923. Serial No. 638,614. 4 Claims. (Cl. 188—140.)



1. In a motor vehicle, an upper casing forming the upper part of the crank case and transmission case, a lever operated shaft journaled in said casing, a transmission mechanism provided with a transmission brake, means for actuating the brake from said shaft, a front wheel brake actuating member, and a differential mechanism between said member and the transmission brake, whereby when the lever is actuated the transmission brake will be applied with greater force than that of the front wheel brake.

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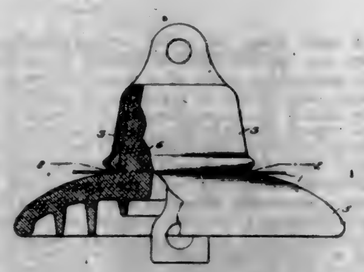
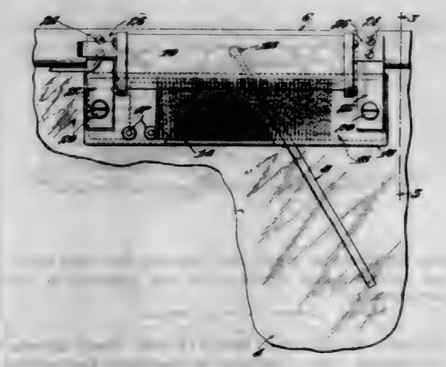
1,556,029. METHOD OF CONNECTING INSULATOR UNITS. FRANK H. REAGAN, Rochester, N. Y., assignor, by mesne assignments, to Locke Insulator Corporation, Baltimore, Md., a Corporation of Maryland. Filed Mar. 10, 1921. Serial No. 451,210. 2 Claims. (Cl. 18—47.5.)



1. The method of connecting the parts of an insulator unit of the type in which the insulating element is provided with a portion adapted to have a socketed fit within a recess in a metallic cap, said method involving mounting upon the said portion of the insulating element an expanded packing ring prior to the assembly of said element and cap, and subsequently contracting said packing.

1,556,030. WINDSHIELD CLEANER AND HEATER. JOSEPH G. RENSHAW, Lynn, Mass. Filed Oct. 1, 1924. Serial No. 741,086. 6 Claims. (Cl. 219—19.)



1. The combination with a window, of means for heating the window to soften hardened aqueous matter upon the window, and means for wiping the window to easily remove the softened matter.

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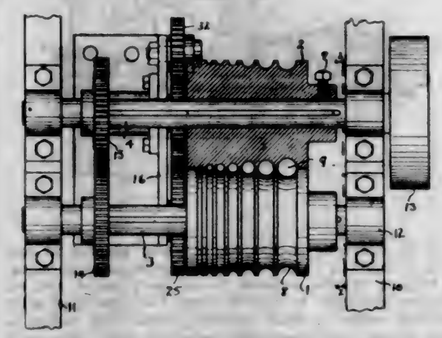
1,556,031. HEADER FOR COMPRESSING PACKING. HAMPTON P. RHODES, Houston, Tex. Filed Mar. 31, 1924. Serial No. 703,132. 4 Claims. (Cl. 80—35.)



2. In a device of the character described, an upper set of rotatable compressing rolls, a plurality of cable receiving grooves of different gauge in the peripheries of said rolls, a plurality of receiving rolls below said upper set of rolls, guide plates between adjacent set of rolls, one of which is adjustable and means permitting the movement of said upper set of rolls longitudinally upon their shafts for the purpose described.

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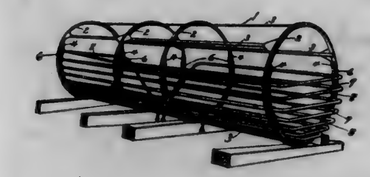
1,556,032. METHOD OF MAKING HEATING COILS FOR CAR TANKS. LEROY F. RITTER, Milton, Pa., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 12, 1922. Serial No. 594,218. 4 Claims. (Cl. 29—157.)

1. The method of constructing and installing heating coils for car tanks consisting of providing a cylindrical skeleton frame having an inner diameter corresponding to that of a tank cylinder, removably mounting coil

supports in said frame, constructing a coil of connected pipe sections in the frame and securing pipes of the coil to the coil supports, removing the coil and supports



from the frame as a unit and inserting the same into a tank cylinder, and securing the coil supports to the tank cylinder.

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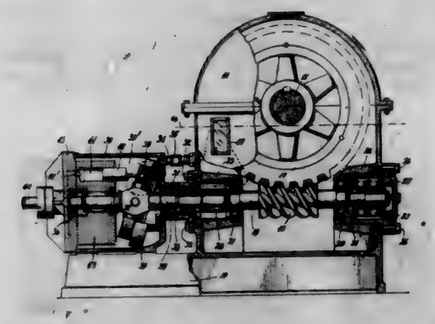
1,556,033. HYDRAULIC MECHANISM. JOHN ROBSON, Waterbury, Conn., assignor to Universal Engineering Corporation, Montreal, Canada, a Corporation of Canada. Filed Mar. 8, 1922. Serial No. 541,902. 3 Claims. (Cl. 60—53.)



1. In hydraulic mechanism, a casing adapted to contain a liquid, a rotary hydraulic device in said casing, a housing likewise adapted to contain a liquid, and extending upwardly to a level above the uppermost point of said casing, a shaft extending from said casing to said housing and operatively connected with said rotary device, gearing in said housing, connected with said shaft and extending upwardly to a level above the uppermost point of said casing, a connection of tubular character, co-axial with said shaft, through which said casing communicates with said housing, at about the level of mesh of said gearing, and a second connection, located at a higher level, leading from said casing to said housing.

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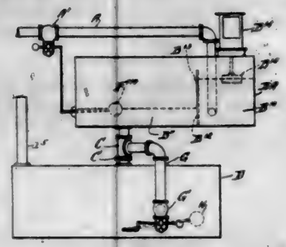
1,556,034. LIQUID-TREATING SYSTEM. VICTOR A. ROHLIN, Philadelphia, Pa., assignor to Cochrane Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 25, 1923. Serial No. 614,843. 2 Claims. (Cl. 137—78.)

1. In apparatus comprising a liquid supply system including a liquid treating vessel and a liquid distributing system including a storage reservoir, the improvement which consists in a connection of definitely restricted flow capacity between said vessel and reservoir through which liquid normally passes from the supply system to the distributing system, the flow capacity of said connection being sufficient to supply the average demand but insufficient to supply an occasional excess demand of said distributing system and other provisions for passing liquid from said system to said distributing system comprising a normally closed



bypass about said connection and means responsive to the accumulation of liquid in said reservoir for opening said bypass during periods in which said accumulation falls below a predetermined minimum.

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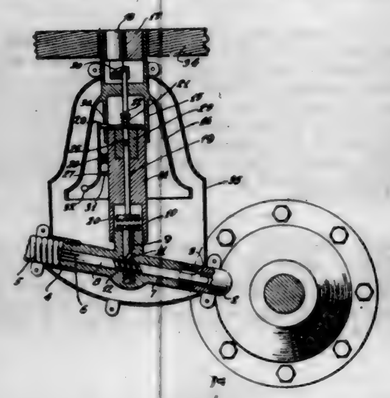
1,556,035. THEFT ALARM FOR MOTOR VEHICLES. HENRI SCHAEFER, New York, N. Y. Filed Jan. 13, 1925. Serial No. 2,143. 5 Claims. (Cl. 716—33.)



4. A theft alarm for motor vehicles embodying a bracket, one end of which is adapted to be secured to the speedometer nipple of a motor car chassis and the other end of which is adapted to be secured to the flexible conduit of the speedometer drive shaft of such vehicle, a shaft carried by the bracket, one end of which is adapted to be operatively connected to the speedometer shaft and the other end of which is adapted to be operatively connected with the speedometer drive element, a stub shaft geared to said shaft and having a clutch member, a standard mounted on the bracket, a spindle journalled for rotation in the standard and having a clutch member normally free from engagement with the clutch member of the stub shaft, a bell mounted on the standard and having a hollow hub, a clapper cooperable with the bell, a spring for normally impelling the clapper in one direction, clapper operated means rotatable by the spindle for moving the clapper in the other direction, a lock mounted in the hub of the bell and comprising a rotatable barrel, means operable through rotation of the barrel to effect the longitudinal shifting of the spindle for the purpose of engaging or disengaging the clutch members, and a casing enclosing the bell to preclude unauthorized persons from tampering with the bell.



1,556,036. DEHYDRATED LIGNITE. EUGENE P. SCHOCH, Austin, Tex. Original application filed July 17, 1922, Serial No. 575,656. Divided and this application filed Aug. 18, 1924. Serial No. 732,781. 6 Claims. (Cl. 44—1.)

1. The herein described new article of manufacture comprising lumps of raw dehydrated lignite impregnated with a hydrocarbon oil, substantially as described.

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1,556,037. FREE-BURNING SULPHUR. JAMES W. SCHWAB, Gulf, Tex., assignor to Texas Gulf Sulphur Company, Bay City, Tex., a Corporation of Texas. Filed Aug. 18, 1923. Serial No. 658,044. 18 Claims. (Cl. 23—179.)

1. As a new composition of matter a product consisting principally of sulphur and containing also an organic compound soluble in molten sulphur.

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1,556,038. PROCESS FOR THE USE OF MIXTURES OF ALUMINOUS CEMENTS WITH ORDINARY CEMENTS. SPERANZA SÉAILLES, née CALOGÉROPOULOS, and JEAN SÉAILLES, Paris, France, assignors to SOCIÉTÉ ANONYME "L A P," Paris, France. Filed Mar. 23, 1925. Serial No. 17,773. 4 Claims. (Cl. 18—59.)

1. A process for the use of aluminous cements in connection or in mixture with the ordinary hydraulic cements, which consists in placing in position a layer of aluminous cement and immediately afterwards a layer of ordinary cement.

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1,556,039. DECOLORIZING CARBON AND PROCESS OF PRODUCING THE SAME. HERBERT M. SHILSTONE, New Orleans, La. Filed May 31, 1917. Serial No. 172,123. 14 Claims. (Cl. 252—3.)

1. The process of producing a carbonaceous material for decolorizing liquids which consists in partially burning to a charred mass fibrous rice material containing silica, treating the charred material after cooling with an alkali under such conditions as will produce a porous mass, and removing the residual alkali from the mass, such charring and treatment with alkali being so conducted as to leave a final product substantially free of resinous substances.

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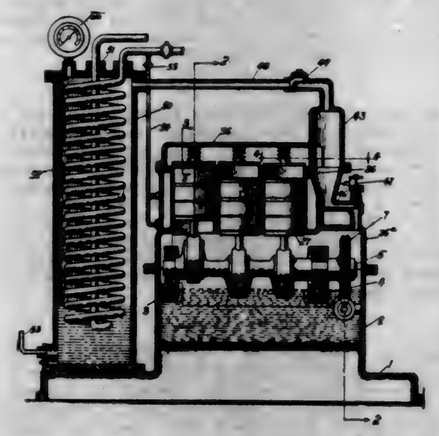
1,556,040. COMPRESSOR FOR REFRIGERATING APPARATUS. JOHN J. SHIVELY, Brookville, Pa. Filed Jan. 31, 1924. Serial No. 689,710. 5 Claims. (Cl. 230—6.)



1. In a refrigerating device a pump, a crank case therefor, and means connected with the intake for the pump for maintaining the crank case under reduced pressure, said means comprising an enlarged duct communicating with the crank case and a restricted orifice at the upper end of said duct.

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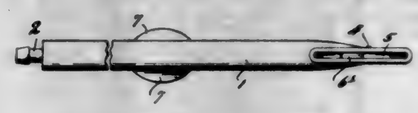
1,556,041. SYRINGE NOZZLE. EUGENE B. SIMPSON, Gray Court, S. C. Filed Apr. 23, 1925. Serial No. 25,381. 1 Claim. (Cl. 128—239.)



As a new article of manufacture, a syringe nozzle comprising an elongated tubular member provided with a laterally disposed head, the outer face of said head being provided with a trough, the bore of the elongated member communicating with said trough, said head being relatively narrow with its major axis extending in a direction lengthwise of the elongated member.

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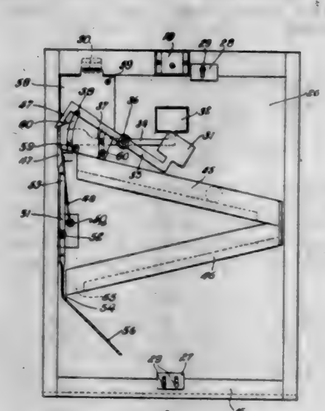
1,556,042. COIN-OPERATED MACHINE. PERCY C. SMITH, Chicago, Ill., assignor to John F. Meyer, Chicago, Ill. Filed June 2, 1922. Serial No. 565,291. 5 Claims. (Cl. 194—95.)



4. A coin operated machine comprising a lever, means to operate said lever by a coin, a latch on said lever, a detent adapted to engage said latch to hold it in position after said operation, and a releasing means for said detent comprising a second lever adapted to contact with said detent and to be operated by said coin.

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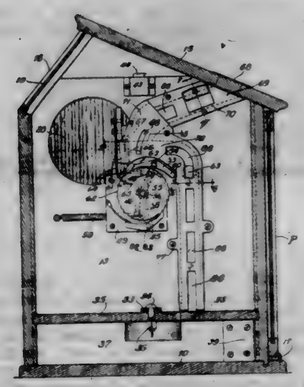
1,556,043. COIN-CONTROLLED MACHINE. PERCY C. SMITH, Chicago, Ill., assignor to John F. Meyer, Chicago, Ill. Filed June 2, 1922. Serial No. 565,292. 11 Claims. (Cl. 144—78.)

1. In a picture exhibiting machine, a rotatable reel carrying pictures, means for rotating said reel comprising a pair of driving elements normally disengaged,

but adapted to be brought into engagement by a coin, means for directing a coin into position to cause said



engagement of said driving elements, and means for displacing said coin and operated by said rotating means.

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1,556,044. AUTOMATIC CLUTCH LOCK. RUSSELL C. STEVENSON, Oakland, Oreg. Filed Apr. 2, 1924. Serial No. 703,686. 2 Claims. (Cl. 74—81.)

1. In a clutch locking device, the combination of a spring steel hook, a bar to which said hook is attached, and a latch secured to said hook, said latch being so shaped as to automatically raise up and drop over the end of said bar as said hook is moved to inactive position.

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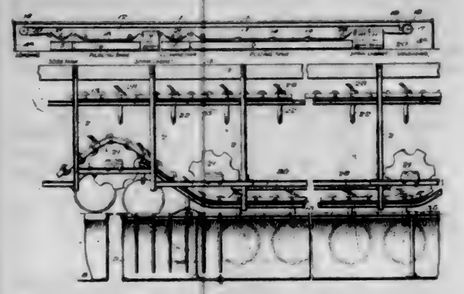
1,556,045. MECHANICAL PLATING APPARATUS. JOSEPH G. SWAIN and MAX H. PADE, Akron, Ohio, assignors to The Firestone Steel Products Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 25, 1922. Serial No. 584,211. 20 Claims. (Cl. 204—11.)

1. Apparatus for use in electroplating annular objects comprising, in combination, a tank, a traveling conveyor adapted to transport the articles through the tank, a sloping runway in the tank and means for lifting the



objects onto the runway and permitting them to roll down the same without becoming permanently disengaged from the conveyor.

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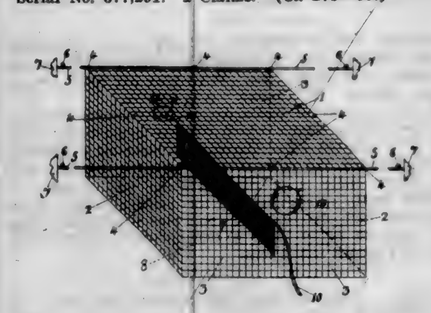
1,556,046. GAME. ROBERT ARTHUR MUIR TAYLOR, Melbourne, Victoria, Australia. Filed Nov. 27, 1923. Serial No. 677,291. 2 Claims. (Cl. 273—95.)



1. A game apparatus comprising a buoyant element, a net providing a playing space and confining said element, and a net extending across said space about middle way its length, said buoyant element being adapted to be hit by the players across said net.

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1,556,047. PROCESS FOR THE PREPARATION OF A CARBURETING FUEL MIXTURE FOR INTERNAL-COMBUSTION ENGINES. HENRI TERRISSE, Geneva, Switzerland, assignor to Prodor Fabrique de Produits Organiques S. A., Geneva, Canton of Geneva, Switzerland, a Company of Switzerland. Filed Mar. 28, 1923. Serial No. 628,357. 14 Claims. (Cl. 44—9.)

1. A process for the preparation of carbureting substances for internal combustion engines, consisting in adding ethylic alcohol and acetaldehyde to hydrocarbons heavier than ordinary petrol.

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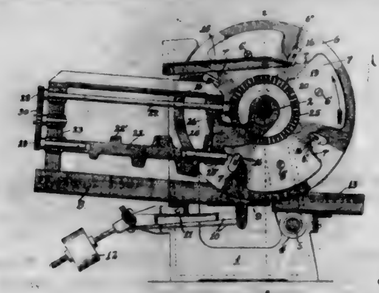
1,556,048. SEPARATING PACKAGED GOODS ACCORDING TO WEIGHT DIFFERENCE. ALBERT R. THOMPSON, San Jose, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed June 2, 1924. Serial No. 717,804. 13 Claims. (Cl. 83—92.)

1. An apparatus for separating packaged goods according to weight difference, comprising a depressible member adapted to differentially yield under the im-



position of the packages; a movable member adapted to engage the packages while upon the depressible member



and to remove them therefrom; and supplementary package-engaging devices carried by the movable member for selectively segregating the lighter packages.

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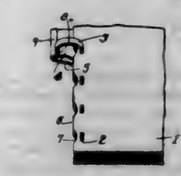
1,556,049. LOOSE LEAF OR REFILL BOOK. EMORY A. TRUSSELL, Richmond Hill, N. Y., assignor of one-third to Clarence D. Trussell, Poughkeepsie, N. Y. Filed Nov. 28, 1923. Serial No. 677,539. 6 Claims. (Cl. 129—1.)



4. The combination with a binder having rings of rectangular cross-section, of leaves having rectangular perforations near their inner edges embracing said rings and having curved recesses at their inner edges opposite said perforations.

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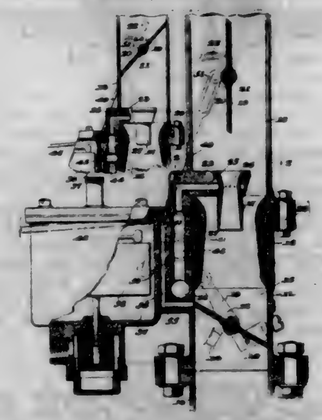
1,556,050. CARBURETOR FOR HYDROCARBON ENGINES. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 29, 1919. Serial No. 348,114. 2 Claims. (Cl. 261—41.)



1. In a carburetor, the combination of a mixing chamber, a mixture tube arranged therein and having a supply passage, a float chamber, a main fuel supply tube connected with said float chamber and having an outlet to said supply passage, a compensating well connected with said float chamber and having an outlet connection with said main fuel supply tube, adjacent air supply conduits of different cross sectional areas connected to said supply passage and to said compensating well, and single means for simultaneously controlling said air supply conduits in proportion to their respective cross sectional areas.

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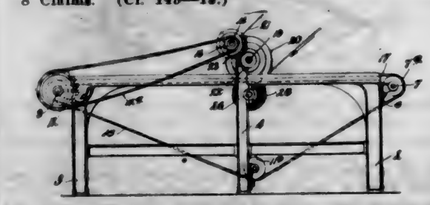
1,556,051. LEATHER-WORKING MACHINE. JOSEPH H. WALCOTT, Salem, Mass., assignor to Helburn Thompson Company, Salem, Mass., a Corporation of Massachusetts. Filed June 3, 1924. Serial No. 717,582. 8 Claims. (Cl. 149—19.)



1. A machine for polishing leather comprising a rubbing appliance, means for feeding the leather to the rubbing appliance, and a resilient support for pressing the leather against the rubbing appliance.

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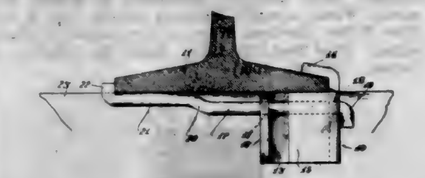
1,556,052. RAIL ANCHOR. HAROLD G. WARE, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 1, 1924. Serial No. 753,257. 16 Claims. (Cl. 238—329.)



1. A rail anchor comprising a rail base engaging member adapted to be driven into engagement with one flange of the rail base and means for retaining said base engaging member in its operative position comprising a spring member adapted to snap over the opposite edge of the rail base.

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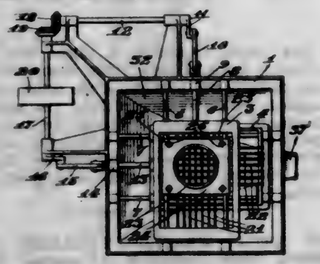
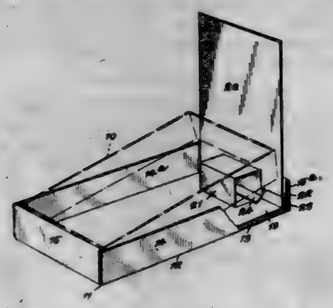
1,556,053. MACHINE FOR CUTTING AND SORTING PINEAPPLES AND THE LIKE. ROY P. WARREN, HARVEY E. ESSMANN, and CHARLES D. NITCHMAN, St. Louis, Mo. Filed Jan. 31, 1925. Serial No. 5,976. 6 Claims. (Cl. 146—6.)



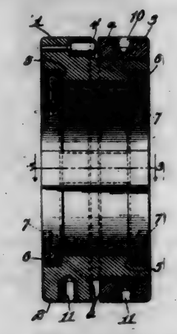
1. In a machine for cutting pineapple and the like, means for cutting the substance into cubic pieces, and a correlated sorting device arranged to receive and separate cubes of certain predetermined formation from the others.

1,556,054. FOLDABLE BOX. NATHAN WARSHAW, New York, N. Y. Filed June 11, 1924. Serial No. 719,849. 7 Claims. (Cl. 206—44.)



5. In a box with a body, a separate cover cut and folded from a single blank, comprising a substantially rectangular body with a top plate, side walls and end walls, one end wall having folded inwardly of the body a section with a protruding locking tongue, and the other end wall having a flap section lying upon the underside of the top plate and having a display card section disposed in upstanding position above said tongue, said locking tongue detachably engaging the flap section.

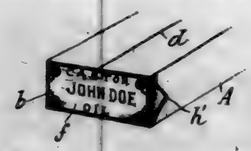
1,556,055. SAW MOUNT. FREDERICK J. WEBER, Hoquiam, Wash., assignor to Grays Harbor Iron & Machine Works, Aberdeen, Wash., a Corporation of Washington. Filed Sept. 23, 1924. Serial No. 739,361. 2 Claims. (Cl. 143—155.)



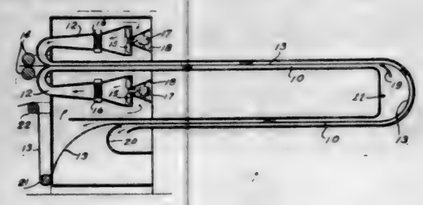
1. A saw mount comprising a collar, saw engaging means carried thereby, liner rings removably engaged within the opposite end portions of the collar, said rings, when applied, extending inwardly of the wall of the nave opening of the collar, a wall of the nave opening being provided therealong with a groove, and a key engageable within said groove, the key and rings coacting to hold the key, when the rings are applied, in working position.

1,556,056. ART OF WRAPPING PACKAGES. CHARLES S. WEEKS, South Orange, N. J., assignor to Weeks Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 21, 1920. Serial No. 482,168. 9 Claims. (Cl. 229—87.)

1. A package wrapper of tubular form having an undivided external end closure integral therewith and covering substantially the entire end of the package, said end closure having reinforcing flaps of plural thickness extending therefrom and folded toward the adjacent exterior sides of the package.

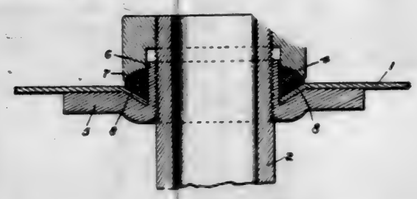



1,556,057. TEXTILE DRIER. HARRY S. WHEELER, Elizabeth, N. J. Filed June 11, 1923. Serial No. 644,524. 5 Claims. (Cl. 34—48.)



1. A textile drier comprising an elongated flattened tube having a receiving and a delivery end; means for introducing within said tube at the receiving end thereof air currents for supporting and conveying textile within said tube and for varying air pressure at either side of said fabric to maintain the level of the fabric in said tube.

1,556,058. PIPE CONNECTION. FRED E. WHITE, Gardner, Mass., assignor to Florence Stove Company, Gardner, Mass., a Corporation of Massachusetts. Filed Aug. 2, 1924. Serial No. 729,828. 1 Claim. (Cl. 285—51.)

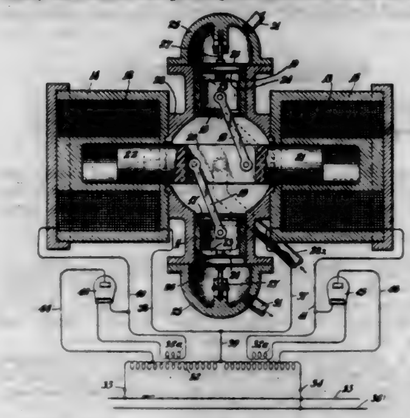


In combination, a reservoir having a plane bottom, an aperture therein, a screw threaded cylindrical feed pipe extending into said aperture on each side of the plane bottom of the reservoir, a member threaded to said feed pipe and having a plane surface abutting the under side of the plane bottom of the reservoir, and a nut threaded to that part of the feed pipe above the plane bottom of the reservoir, said nut being cut away on its under side, and packing between said nut and said plane bottom of the reservoir and filling the cut away portion of the nut.

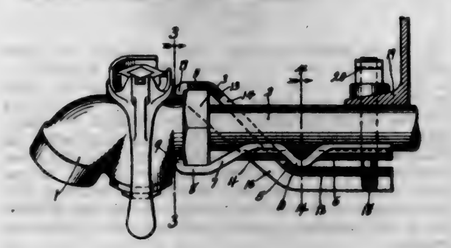
1,556,059. RECIPROCATING COMPRESSOR. EDWARD T. WILLIAMS, Brooklyn, N. Y. Filed Dec. 1, 1923. Serial No. 677,926. 7 Claims. (Cl. 230—27.)

1. In a compressor, in combination, a pair of compression cylinders, reciprocating pistons therein, a pair of solenoids, reciprocating cores actuated by the solenoids and connected to the pistons to reciprocate the same, and means for passing the positive waves of alternating current predominantly through one solenoid and the negative waves predominantly through the other, whereby the solenoids are activated alternately.





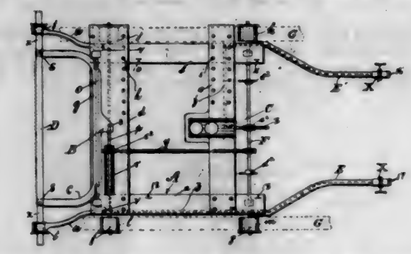
1,556,060. ANGLE-COCK HOLDER. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 23, 1924. Serial No. 757,699. 5 Claims. (Cl. 248—31.)



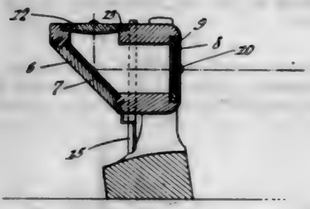
5. A clamp of the character described comprising a gripping member for extending in longitudinal contact with a train pipe and having a fulcrum intermediate its length and an angle cock engaging jaw at its forward end, a second gripping member of greater width than the first gripping member and having a rear handle forming portion, an upwardly and forwardly inclined intermediate portion slotted to receive a train pipe and the first mentioned gripping member, and a forward angle cock engaging portion, the angle cock engaging portion being provided at its forward end with a depending lip and side flanges being provided along the sides of the gripping member with their forward portions disposed at a transverse incline for gripping engagement with the angle cock, and a U-shaped fastener projecting through the handle portion of the second gripping member and upon opposite sides of the first gripping member for extending upon opposite sides of a train pipe and firmly holding the gripping members in place with the second gripping member rocked upon its fulcrum and the angle cock tightly gripped between the jaw portions at the forward ends of the gripping members.

1,556,061. SAWING MACHINE. JOHN P. BALL, Chicago, Ill. Filed Dec. 18, 1922. Serial No. 607,665. 4 Claims. (Cl. 143—68.)

1. In a machine of the character described, a carriage, a bracket pivotally mounted at one end of the carriage so as to swing upwardly onto the carriage, said bracket being adapted to reciprocate transversely of the carriage, a saw-blade carried by said bracket to be reciprocated thereby, guide means for the outer ends of the bracket and the saw, power operated means mounted on the carriage for reciprocating said bracket, power operated means for propelling said carriage, and means whereby the carriage may be guided, said means including hand-grips for separately controlling the power-imparting medium for both of said power operated means.

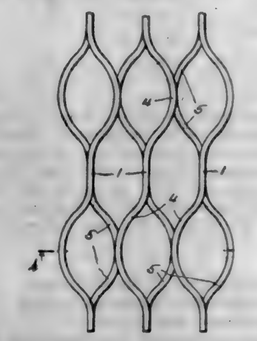


1,556,062. RANGE FINDER FOR GOLF CLUBS. LUTHER A. BAUGH, Garden City, Kans. Filed June 7, 1924. Serial No. 718,676. 2 Claims. (Cl. 88—2.3.)



1. A finder for use with golf clubs, comprising a body portion, said body portion having a lens forming its front wall, the lens having hair-lines formed thereon, a reflector disposed at an oblique angle with respect to the upper surface of the body, and a lens having hair-lines, positioned in the upper surface of the body, the first mentioned lens being disposed at a point adjacent to the striking face of the club.

1,556,063. GRATING. AXEL BECKER, Chicago, Ill., assignor to Dauchy Iron Works, Chicago, Ill., a Corporation of Illinois. Filed Dec. 24, 1921. Serial No. 524,801. 7 Claims. (Cl. 189—82.)



1. A reticulated grating comprising a plurality of bars arranged on edge said bars being slit at intervals along their lengths and each bar having portions thereof adjacent to said slits bodily offset in opposite directions

from the normal plane of the intermediate unslit part of the respective bar, the offset portions of one bar being rigidly secured to the adjacent bars whereby said bars are retained in uniformly spaced parallel relation.

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1,556,064. BILLIARD-CUE-CHALKING DEVICE. WILLIAM B. BECKER and ORLANDO C. MORNINGSTAR, San Diego, Calif. Filed Apr. 11, 1923. Serial No. 631,282. 9 Claims. (Cl. 273—18.)

1. In a billiard cue chalking device, a base member and a plurality of superimposed, side wall, section members, adhesively secured together and to said base member.

5. In a billiard cue chalking device, a cylindrically shaped chalk member of substantially the diameter of a billiard cue tip, and a reducible casing for said chalk members.

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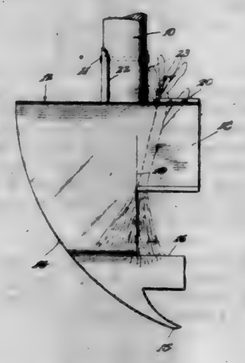
1,556,065. PLANT-SETTING IMPLEMENT. GEORGE J. BECKERMAN, Crichton, Ala. Filed May 8, 1923. Serial No. 637,530. 5 Claims. (Cl. 111—4.)



5. A plant-setting implement comprising a handle, a hollow integral rigid head carried by the handle, said head having downwardly converging sides terminating in contacting forwardly projecting spurs constituting a ground-penetrating point, soil-packing wings diverging downwardly from the top of the head on the sides thereof, and root-supporting claws on the front of the head below said wings and over the spurs, the head being provided in its top between said wings with a plant-receiving recess alined with the space between the spurs.

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1,556,066. CONCRETE CONSTRUCTION. HARRY E. BELL, Sawtelle, Calif. Filed July 1, 1924. Serial No. 723,488. 3 Claims. (Cl. 72—44.)

1. A partition construction embodying two oppositely disposed walls, each wall being made up of pre-formed concrete slabs arranged end to end, certain of the opposing ends being provided with recesses extending longitudinally into the slabs, and means adapted to hold said walls in predetermined spaced relation, said means including shanks anchored at one end in the slabs of one wall at points intermediate said opposing ends, and

angular projections at the other ends of the shanks and adapted to be entered in the recesses in the slabs of the other wall by relative endwise movement of the slabs.

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1,556,067. PURIFICATION OF BUTYRIC ALDEHYDE. CHARLES BOGIN, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed May 12, 1924. Serial No. 712,888. 7 Claims. (Cl. 260—138.)

1. A process for the purification of butyric aldehyde consisting in distilling the aldehyde in the presence of sufficient water to form a constant-boiling mixture with the aldehyde.

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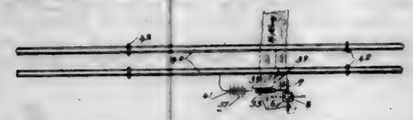
1,556,068. RAILWAY-CROSSING SIGNAL. EVERETT M. BOCK, Elkhart, Ill. Filed Sept. 10, 1923. Serial No. 661,746. 4 Claims. (Cl. 246—129.)



2. In an apparatus of the class described, the combination of a rigid stationary, vertical standard; a staff rotative on the upper end of the standard; filler blocks closing the lower end of the staff and having recesses united to form a circular chamber; a coiled spring connected with one filler block and with the standard and stressed upon rotation of the staff in one direction and acting to effect reverse rotation of the staff; and a pin extending through the standard and projecting into the chamber formed by the united filler blocks and preventing upward sliding of the staff on the standard.

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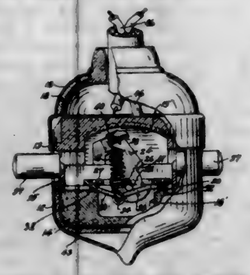
1,556,069. PUSH-BUTTON SWITCH. TONJES A. BOTH, Stratford, Conn., assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 14, 1922. Serial No. 581,566. 15 Claims. (Cl. 200—72.)



1. In a device of the character described, a support comprising a substantially flat plate, a switch element pivoted on said plate, and means for operating the switch element including a spring, said element being provided with spaced stop shoulders arranged to coact with the opposite sides of the plate to limit the movement of the element in either direction.



1,556,070. CIRCUIT CLOSER FOR RAILROAD-CROSSING SIGNALS. GEORGE M. BRANT, Hamilton, Ill. Filed Oct. 12, 1922. Serial No. 594,057. 6 Claims. (Cl. 246—251.)

5. A circuit closer comprising a stationary contact, an elastic member carrying intermediate of its ends a contact located so as to engage said stationary contact when said elastic member vibrates, a supporting member on which said stationary contact is mounted and to which the ends of said elastic member are secured, and means for adjusting said stationary contact towards and away from the normal position of said other contact.

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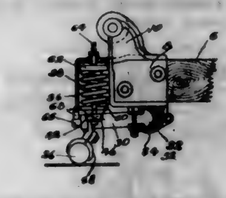
1,556,071. GLAZING MACHINE FOR OPERATING ON LEATHER, HIDES, AND THE LIKE. AUGUST C. BRILL, Oberursel, near Frankfort-on-the-Main, Germany, assignor to The Turner Tanning Machinery Company, Portland, Me., a Corporation of Maine. Filed Mar. 9, 1925. Serial No. 14,267. 12 Claims. (Cl. 149—18.)



1. In a machine for treating hides, skins and leather, an operating member, a work-treating tool, means for connecting the tool with the member constructed to provide for up and down movements of the tool and also for tipping movements of the tool in planes extending transversely of the path of the work-treating movement of the tool, and means for preventing movement of translation of the tool in a direction transverse of its path on the work.

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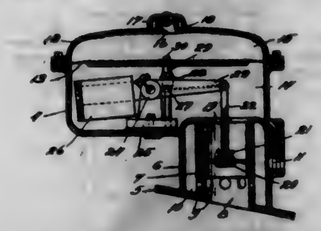
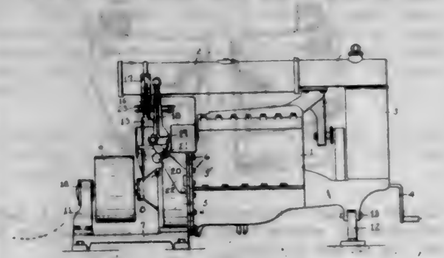
1,556,072. AUTOMATIC VACUUM CONTROL APPARATUS. CHARLES P. BUCK, Topeka, Kans. Filed July 18, 1921. Serial No. 485,779. 7 Claims. (Cl. 137—153.)



6. The combination in a vacuum control device of a casing a diaphragm in said casing, a stem fixed at one of its ends to said diaphragm and having sliding engagement at its other end with a portion of said casing, a pivoted rock arm in said casing, a valve operatively connected to said rock arm, and a sleeve on said stem and in abutment with said rock arm for the operation thereof.



1,556,073. ATTACHMENT FOR TRACTORS. CHARLES S. BUSH, Kalamazoo, Mich., assignor to Dearborn Equipment Company, Kalamazoo, Mich. Filed Dec. 17, 1923. Serial No. 681,298. 4 Claims. (Cl. 74—56.)



4. An attachment for a Fordson tractor power plant, with its fly wheel, gear clutch and casing, with projecting propeller shaft, comprising clutch and fly wheel casing attachment, an extension of the propeller shaft, a driving pulley thereon, and suitable journal bearing and support for supporting the outer end of the same, coacting as specified.

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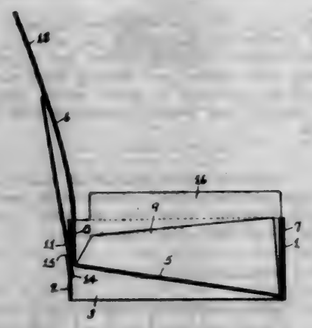
1,556,074. DISPLAY BOX. JOHN F. BYRNE, Kalamazoo, Mich., assignor to Standard Paper Company, Kalamazoo, Mich. Filed Oct. 17, 1924. Serial No. 744,158. 6 Claims. (Cl. 206—44.)



4. A display box comprising a body member having front, rear and end walls, a bottom having a front wall section secured on the inner side of said front wall and a rear wall section adapted to telescope within said rear wall, said rear wall section having ears at the ends thereof adapted to be engaged over the end walls for supporting the bottom in a forwardly inclined position, and a cover integral with said rear wall section

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1,556,075. COMBINATION GARMENT. IVA CADIEUX, Long Beach, Calif. Filed May 29, 1924. Serial No. 716,568. 1 Claim. (Cl. 2—73.)

A combination under garment comprising a brassière and chemise connected together at their tops, and each having an opening therein, said opening in the brassière extending vertically from the top to the bottom and

the opening in the chemise extending vertically from the top to below the waist line when the garment is on the wearer, said openings being in register; fastening means

at said openings, the top fastener being common to both brassière and chemise; and shoulder straps secured to the top of the garment.

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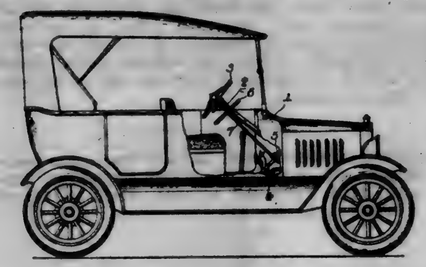
1,556,076. STEERING-WHEEL TOY. ARNETT B. CHAMBERS, Waterloo, Iowa. Filed July 5, 1923. Serial No. 649,437. 4 Claims. (Cl. 46—48.)



2. A motor car, the operating steering wheel thereof, a bracket attached to said motor car, and toy steering mechanism mounted in said bracket for rotation relative thereto, said bracket and steering mechanism being constructed and arranged to permit ready adjustability of said steering mechanism axially of said steering mechanism.

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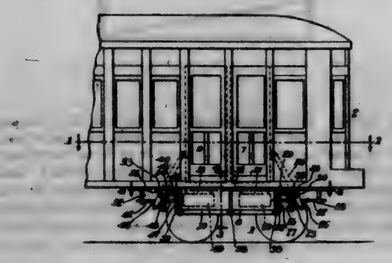
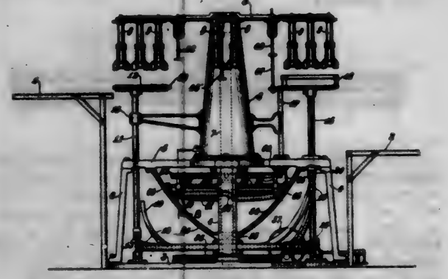
1,556,077. COMBINATION RAILWAY CAR. RAY A. CLAFF, Los Angeles, Calif., assignor of one-half to Robert D. Pearson. Filed Oct. 27, 1924. Serial No. 746,130. 12 Claims. (Cl. 105—341.)



1. In a one-man-operated car, a car body, a control station comprising a power controlling means and door controlling means located in the front right hand corner of said body, a door in the car body at the rear of said control station, and door operating apparatus controlled by said door controlling means for opening and closing said door.

1,556,078. CAN-LOADING MACHINE. CHARLES L. CLYMME, St. Louis, Mo. Filed May 28, 1921. Serial No. 471,790. 12 Claims. (Cl. 226—16.)



1. In a can loading device, a series of holders each adapted upon engagement therewith to grasp and hold an article, means for locking said holders, a carrier for said holders adapted to move the same to delivery position, and means for releasing the articles.

12. In a can loading device, means adapted to grasp and hold a plurality of the articles, means for moving said holding means to delivery position, and receiving means at the delivery position operating in timed relation with said moving means and adapted for cooperation with said holding means to effect delivery of the articles in successive layers.

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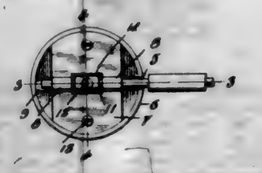
1,556,079. TRUSS PAD. ALFRED L. COBB, Long Beach, Calif. Filed Nov. 12, 1923. Serial No. 674,350. 1 Claim. (Cl. 128—124.)



A truss pad including a body portion, said body portion having a groove extending transversely thereof throughout the width of the body portion, a plate having a central offset portion overlying the groove, said plate having a central cut out portion, a supporting rod adjustably mounted in the groove, a collar mounted on the rod and disposed in the cut out portion, and adjustable means for securing the collar in position, and said collar adapted to limit the longitudinal and rotational movement of the pad with respect to the supporting rod.

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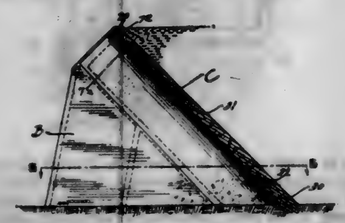
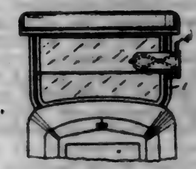
1,556,080. DAM CONSTRUCTION. VICTOR HUGO COCHRANE, Tulsa, Okla. Filed Feb. 2, 1923. Serial No. 616,531. 28 Claims. (Cl. 61—30.)



1. An arch for dam constructions provided with a substantially transverse waterproof joint to permit portions on opposite sides of said joint to move relative to each other.



1,556,081. LIGHT SHIELD. DANIEL E. COOT, League City, Tex. Filed Apr. 15, 1924. Serial No. 706,678. 3 Claims. (Cl. 296—97.)



1. A light shield including a bracket, a supporting bar upstanding therefrom, a bracket attached to said bar, a curtain roller mounted on said last named bracket, a curtain wound on said roller, an extensible frame mounted on said bar, and supporting the free end of the curtain, manual means for extending and collapsing said frame, and means for locking said manual means to hold the frame in either position, said means including a slidably mounted rotatable rod and an actuating arm attached to the rod.

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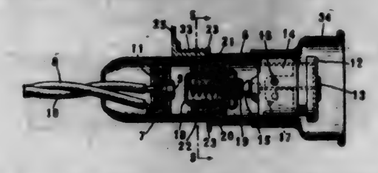
1,556,082. CIGAR LIGHTER. CHARLES H. CUNO and FREDERICK L. WOOD, Meriden, Conn., assignors to The Cuno Engineering Corporation, Meriden, Conn., a Corporation of Connecticut. Filed Feb. 6, 1925. Serial No. 7,257. 9 Claims. (Cl. 219—32.)



7. In a cigar lighter, a holder, an igniter element in the front end thereof, a stationary contact in rear thereof, a contact electrically connected to said igniter element and movable longitudinally in said holder toward and from said stationary contact, a sleeve adapted to receive said holder, and a member secured to said movable contact and projecting from said holder to engage said sleeve and keep said contacts separated while said holder is in said sleeve.

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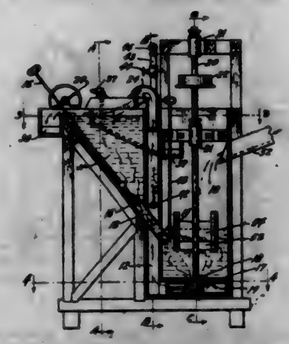
1,556,083. FLOTATION MACHINE. ARTHUR C. DAMAN, Denver, Colo. Filed Oct. 18, 1923. Serial No. 669,326. 5 Claims. (Cl. 83—85.)



1. A flotation machine comprising in combination a feed chamber; a froth chamber, said feed chamber extending below said froth chamber; a lift chamber, said lift chamber being interposed between said feed chamber and said froth chamber, and feeding onto the top of the latter; a passage feeding back by gravity from the bottom of said froth chamber to said feed chamber; a false bottom in said feed chamber having a concentric opening, said feed chamber being open to said lift chamber below said false bottom; a shaft supported above said feed chamber and extending vertically through said opening and an impeller secured on said shaft below said false bottom for forcing pulp into said lift chamber.

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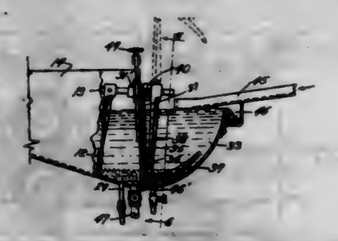
1,556,084. ORE CLASSIFIER. ARTHUR C. DAMAN, Denver, Colo. Filed Mar. 3, 1924. Serial No. 696,589. 9 Claims. (Cl. 83—81.)



1. A classifier comprising a tank having an angularly disposed, semi-cylindrical bottom; a longitudinal shaft in said tank; rakes secured to said shaft and means for rotating and reciprocating said shaft.

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1,556,085. SURGICAL INSTRUMENT. HENRY H. DE PEW, Des Moines, Iowa. Filed Nov. 4, 1922. Serial No. 599,020. 1 Claim. (Cl. 128—218.)

In an instrument of the class described, a piston designed to be advanced through a cylinder by a screw like movement for forcibly ejecting material from the cylinder, comprising a shaft formed with a shoulder and a reduced extension beyond the shoulder, a disk rotatably mounted on the extension and engaging the shoulder, a ring mounted upon the extension and engaging the disk, a head formed on the extension and engaging said ring, a disk shaped piston end member engaging said head, and a cylindrical piston body portion enclosing said disks and ring and fixedly connected to both disks and rotatable relative to said ring, for the purposes stated.

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1,556,086. DAVENPORT. JOSIAH A. DEWEY, Oakland, Calif. Filed Sept. 13, 1923. Serial No. 662,440. 2 Claims. (Cl. 5—31.)

1. In a davenport, a supporting frame, a foldable bed frame comprising a head section pivotally attached to said supporting frame for simultaneous movement vertically and horizontally, a second section pivoted to the

first, a substantially vertical guideway arranged on said supporting frame, and an arm extending longitudinally from said second member and provided with a roller at its outer end arranged to travel in said guideway from one end to the other when said bed frame is changed from folded to extended position and vice versa.

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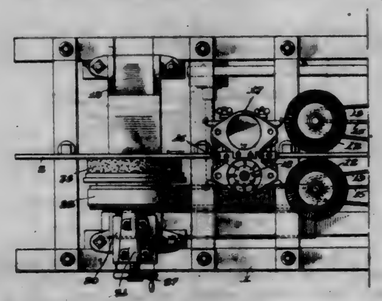
1,556,087. MACHINE FOR FINISHING FLOORING. ELMER C. DITTMAR, Williamsport, Pa., assignor to The Crooks-Dittmar Company, Williamsport, Pa., a Corporation of Pennsylvania. Filed July 31, 1919. Serial No. 314,467. Renewed Nov. 11, 1922. Serial No. 600,479. 12 Claims. (Cl. 91—13.)



3. An apparatus for finishing flooring, comprising means for guiding and moving the strip continuously, means for initially cleaning the strip, receptacles arranged in the path of travel of said strip for applying a coating to the opposite faces of the strip in its passage through the machine, and means for polishing one face of said strip.

10. An apparatus for finishing strips of lumber comprising means for guiding and moving a strip of lumber on edge in its passage therethrough, means for applying a coating to the opposite faces of said strip in its passage through said machine and means for polishing one face of said strip in its passage through said machine.

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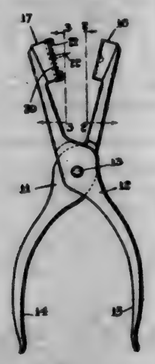
1,556,088. LIVESTOCK-TAGGING DEVICE. SYDNEY J. DOUGHERTY, Montreal, Quebec, Canada. Filed Nov. 29, 1922. Serial No. 604,045. 1 Claim. (Cl. 128—330.)



A live stock tagging device comprising a pair of coacting rectangular jaw members, one of said jaw members being provided at one end with an integral transversely extending projection having a curved inner surface affording a pocket for the reception of a tag having a correspondingly curved end, a pair of guide lugs extending upwardly and inwardly from opposite sides of said jaw member at a point remote from said projection and serving to hold the body portion of an inserted tag against lateral or outward movement with respect to said jaw member, the other jaw member being provided at each end with a relatively long and narrow recess positioned centrally with respect to the sides of said jaw member and formed with a bottom wall curved to provide a deflecting surface for the prongs of a tag carried by the first mentioned jaw member, whereby when the two jaw members are brought together the prongs of an inserted tag are bent downwardly toward the body of the tag and a pair of handle members pivoted together and connected to said jaws.

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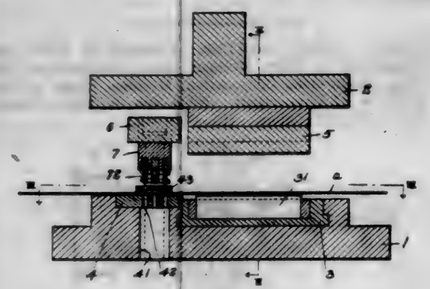
1,556,089. EMBOSSING AND SHEARING MACHINE. WILLIAM R. ECKE, Emsworth, Pa., assignor to James H. Matthews & Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 7, 1925. Serial No. 28,605. 5 Claims. (Cl. 101—3.)



1. In an embossing and shearing machine the combination of a bed, a plunger reciprocable with respect to the bed, a second plunger reciprocable with respect to the bed and adapted to be engaged by the first plunger in its descent and carried toward the bed, a pair of cooperating embossing instrumentalities borne one by the bed and the other by one of the two plungers, and a pair of cooperating shearing instrumentalities borne one by the bed and the other by the other plunger.

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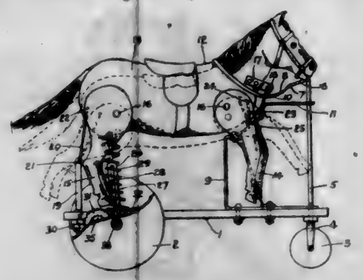
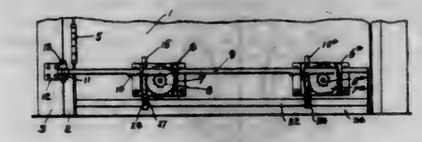
1,556,090. CHILD'S VEHICLE. ISAAC JOHN EDWARDS, Vancouver, British Columbia, Canada. Filed Feb. 4, 1924. Serial No. 690,594. 3 Claims. (Cl. 208—42.)



1. In a child's vehicle, a propelling mechanism comprising a shaft driven from a counter shaft having a fixed ratchet wheel thereon, a freely rotatable gear having a pawl in engagement with said ratchet wheel and a reciprocating rack having teeth in engagement with said gear.



1,556,091. DRAFT EXCLUDER. THOMAS EDWARDS, Vancouver, British Columbia, Canada. Filed Mar. 13, 1924. Serial No. 699,106. 3 Claims. (Cl. 20—68.)



1. The combination with a hinged door and a weather strip for the lower edge thereof, of a horizontal bar movable with the door and pivoted at one end at a point adjacent the hinged edge of the door; and a connection between the bar and strip functioning to raise the strip during opening movement of the door and to lower the strip during closing movement of the door.

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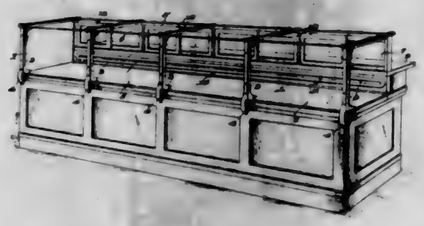
1,556,092. REFRIGERATOR DISPLAY COUNTER. ALBERT H. EHRLICH, St. Joseph, Mo. Filed May 4, 1921. Serial No. 466,801. 1 Claim. (Cl. 24—25.)



A refrigerator show-case including a counter, a detachable glass enclosed case extending along the top thereof and clamped thereto, the said case having a compartment along the rear portion thereof and opening into the said case, the top of said compartment being formed as a shelf, cooling pipes in said shelf compartment, and doors between the said shelf and the upper rear edge of said case.

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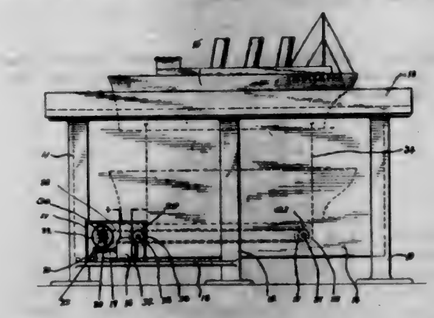
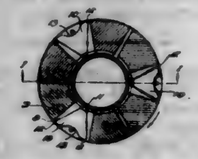
1,556,093. SUBMERGIBLE FLOATING TOY. ANTON FILACCHIVO, Newark, N. J. Filed Sept. 4, 1923. Serial No. 660,909. 2 Claims. (Cl. 46—87.)



1. The combination with a water filled tank and a ship floating thereon, of a pair of shafts rotatable in said tank, means for actuating said shafts, grooved cams fixed on said shafts, and flexible elements attached to the hull of said ship adapted to be wound on said cams.

1,556,094. BACK-UP SLIP. HAROLD W. FLETCHER, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a Corporation of Texas. Filed Nov. 23, 1922. Serial No. 602,916. 12 Claims. (Cl. 24—263.)



1. In a device of the character described, a plurality of pipe-engaging slips, transversely arranged teeth on the inner faces thereof, a single vertical tooth loosely mounted in a central recess in each slip, said tooth being formed to grip the pipe when said slip is rotated relative to said pipe.

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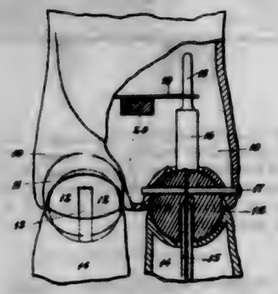
1,556,095. SWIVEL JOINT FOR DOLLS. OTTO GANS, Waltershausen, Germany. Filed Apr. 19, 1924. Serial No. 707,628. 1 Claim. (Cl. 46—40.)



In a swivel-joint for walking dolls, sockets in the thigh and the body of said doll, a ball in said sockets having a vertical slot, a shaft for said ball, an elastic connecting ball and thigh, attached at one end in said slot and at the other to said thigh, a walking mechanism for said doll, an arm secured to said ball and rotating with said shaft, said arm adapted to be engaged in the moving parts of the walking mechanism for said doll.

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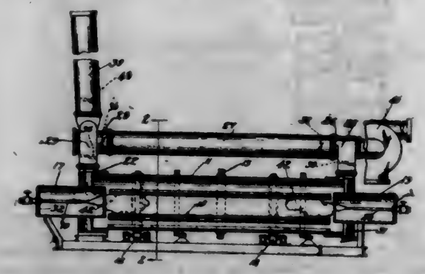
1,556,096. COMBINATION DRIER. THEODORE A. GANROW, Los Angeles, Calif. Filed Mar. 11, 1924. Serial No. 698,531. 8 Claims. (Cl. 34—6.)



4. In a device of the character described, the combination of: a rotary tubular shell; means at the forward end of said shell for delivering a material thereinto; means at the rearward end of said shell through which

said material is discharged; and means equipping said shell for use in drying light or heavy materials, consisting of housings forming combustion chambers at each end of said shell, and burners situated in each of said housings for selectively producing a flow of gases through said shell from either end thereof.

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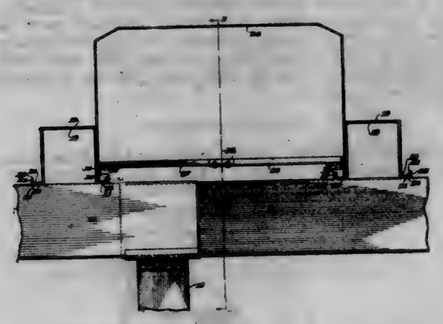
1,556,097. ALL-METAL SYSTEM FOR CONCRETE MOLDING. HARVEY M. GERSMAN, Chicago, Ill., assignor to Kalman Steel Co., Chicago, Ill., a Corporation of Delaware. Filed June 27, 1924. Serial No. 722,721. 11 Claims. (Cl. 25—131.5.)



1. In a concrete molding system, the combination of shores, a cap member thereon and metal stringers rested on said cap member, said stringers being of inverted channel construction and comprising alternate wide and narrow units, the narrow unit being adapted to be received within the wide unit.

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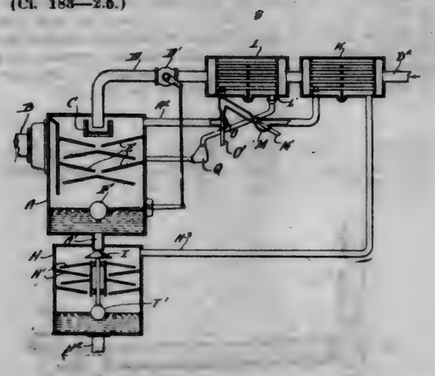
1,556,098. WATER DEAERATION. GEORGE H. GIBSON, Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 21, 1922. Serial No. 602,463. 15 Claims. (Cl. 183—2.5.)



1. The method of deaerating water which consists in passing the water through a closed chamber containing a vapor space, withdrawing air and vapor from said chamber to maintain a vapor pressure in the chamber lower than the pressure of the atmosphere, passing the water from the first chamber through a second closed chamber containing a vapor space, and withdrawing air and vapor from said second chamber to maintain a vapor pressure therein lower than the vapor pressure in the first mentioned chamber.

1,556,099. COVER FOR SEMISOLID BALLS. JAMES J. GILSON, Philadelphia, Pa. Filed Jan. 22, 1924. Serial No. 687,682. 4 Claims. (Cl. 273—58.)

1. A cover for balls comprising semi-spherical sections, each made up of interfitting parts of a figure-8 stitched together.

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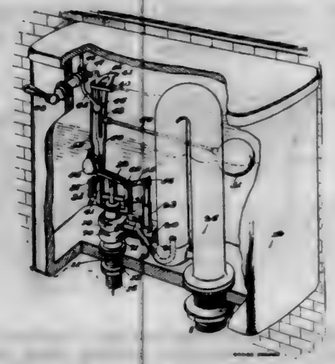
1,556,100. FLUSHING TANK. NICHOLAS JOSEPH GONDOLF, New Orleans, La. Filed June 6, 1922. Serial No. 566,838. 6 Claims. (Cl. 4—44.)



1. A flushing apparatus comprising a valve associated with the casing, a main actuating lever for controlling said valve and having a longitudinal slot formed with a diagonal branch, a float having an arm rigidly connected to said main actuating lever, a second valve for controlling the discharge of water from said first named casing, a link having connection with said second valve and provided with a yoke slidable on said main actuating lever, and an actuating handle having an arm slidable in said slot and adapted to be received within said diagonal branch and to engage said yoke whereby to lock the yoke in an elevated position.

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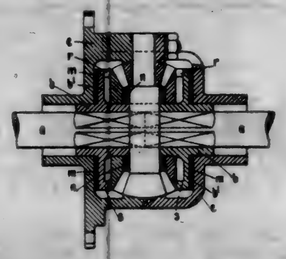
1,556,101. DIFFERENTIAL GEARING. GAVIN CAIRD GOODHART, Inkpen, England. Filed Sept. 8, 1920. Serial No. 409,012. 14 Claims. (Cl. 74—99.)



1. In differential gearing of the class described and in combination with a rotatable housing and means for driving the same; differential pinion mechanism rotatable



with said housing; two driving gears driven by said pinion mechanism; two driving axles driven one by each of said driving gears; and two locking devices associated one with each of said driving axles and acting to lock the same relative to said housing so as to rotate in unison therewith each locking device comprising a driving member operatively connected with a driving axle; two cams carried one by said driving member and the other by one of the driving gears aforesaid, and with cams act to force said driving member and driving gear apart; and co-operating friction surfaces which are forced into engagement with one another by the action of said cams.

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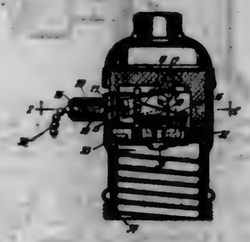
1,556,102. ELECTRIC SWITCH. DAVID D. GORDON, Chicago, Ill., assignor to McGill Manufacturing Company, Valparaiso, Ind. Filed May 19, 1921. Serial No. 470,871. 6 Claims. (Cl. 173—354.)



1. A switch mechanism comprising a U-shaped frame having laterally extending lug stops, an insulation mechanism supporting plate fitting over the legs of the frame, and means for holding the plate against said stops.

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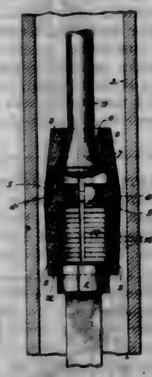
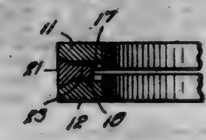
1,556,103. GRAPPLE. HARRY S. GOSS, Midwest, Wyo. Filed Jan. 28, 1925. Serial No. 5,277. 8 Claims. (Cl. 294—102.)



1. In a grapple, the combination of a plurality of slips each having a transverse groove formed in the exterior surface thereof; a fulcrum ring loosely mounted in said grooves and serving to maintain said slips in assembled relation; a relatively movable head located between the slips for engagement therewith only above the fulcrum ring to swing the upper portion of each of the slips outwardly about said ring as center, each of said slips having a portion adapted, upon said swinging movement of the slips, to engage an object to be lifted; and suspension means for said head.

1,556,104. METALLIC PISTON RING. JAMES R. W. GAMOC, Medford, Oreg. Filed June 28, 1921. Serial No. 480,970. 2 Claims. (Cl. 74—109.)



1. A piston packing comprising two outer and one intermediate rings, each outer ring having lap joints cut in their ends, with the overlapping and engaging faces concentric with the periphery of said outer rings, a lock on the intermediate ring and recesses in the adjacent faces of the outer rings adapted to receive said lock, to lock the said rings against relative rotation.

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1,556,105. [WITHDRAWN.]

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1,556,106. ORNAMENT. ARTHUR L. HAMILTON, Bellaire, Tex. Filed Apr. 30, 1923. Serial No. 635,605. 2 Claims. (Cl. 63—2.)

2. An ornament including a necklace formed with a clasp, ear engaging members, depending chains connected, at their respective ends, to said ear engaging members and adapted to hang, one in front and the other in the rear of the wearer, one of said chains being also connected, to each side of said necklace and a pendant carried by each chain.

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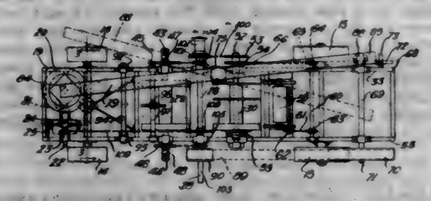
1,556,107. PORTABLE DRILLING RIG. WILLIAM R. HAMILTON, Los Angeles, Calif. Filed Jan. 30, 1923. Serial No. 615,800. 5 Claims. (Cl. 255—3.)



1. In a portable drilling rig of the class described, the combination of: a vehicle having side frame members; a rotary table mounted at the forward end of said vehicle; a jack frame situated upon said vehicle, said jack frame comprising an A bracket mounted upon each of said side frame members, each formed of a pair of inclined legs converging upwardly from said frame members to an apex; a tension member disposed between

each apex and a central point on each of said frame members for trussing said frame members; a jack shaft mounted upon said jack frame; means for driving said jack shaft; a sprocket mounted near each end of said jack shaft; a drum shaft having a small sprocket at one end thereof, and a large sprocket at the other end thereof, each of said drum shaft sprockets being drivable from one of said jack shaft sprockets; and clutch means whereby said drum may be driven from said jack shaft through either said large sprocket or said small sprocket.

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1,556,108. BRAKE-PIN RETAINER. VICTOR H. HARMAT, Springfield, Ill., assignor to E. Payson Smith, Springfield, Ill. Filed Aug. 11, 1922. Serial No. 581,138. 6 Claims. (Cl. 85—8.)

1. A brake pin retainer comprising two members resiliently connected, the end of one of said members bent to form an acute angled flange.

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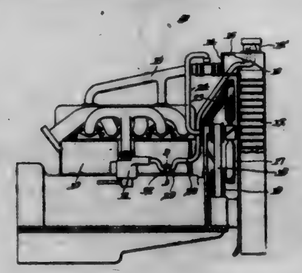
1,556,109. AIR PURIFIER AND MOISTENER FOR INTERNAL-COMBUSTION ENGINES. LESLIE SCOTT HAYES, Louisa, Ky., assignor of one-half to Fred M. Vinson, Louisa, Ky. Filed June 6, 1925. Serial No. 35,378. 5 Claims. (Cl. 123—25.)



1. The combination with an internal combustion engine having a circulatory water cooling system including a radiator and a carburetor connected with the engine, of a pipe leading from the interior of said radiator to the carburetor to conduct cleansed and moistened air and water vapor thereto, said carburetor being closed to outside air except through said pipe, and means for introducing outside air under forced draught to said cooling system and through a portion of the water therein to the radiator, said means being supplementary to the carburetor suction.

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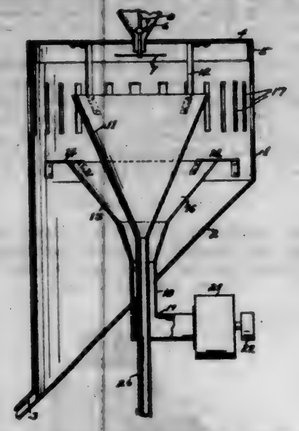
1,556,110. PROCESS FOR SEPARATING CALCINED COLEMANITE FROM CLAY AND OTHER IMPURITIES. HENRY D. HELLMERS, Las Vegas, Nev., assignor to West End Chemical Company, Oakland, Calif., a Corporation of California. Filed Apr. 10, 1923. Serial No. 631,139. 3 Claims. (Cl. 23—54.)

2. The process for separating calcined colemanite from clay and other impurities which consists in discharging the material to be treated peripherally by centrifugal force in baffling the lighter particles dropping naturally within a limited central area and collecting the particles



in a receiving vessel and in drawing certain of the heavier particles dropping outside of the receiving vessel into a second vessel by suction.

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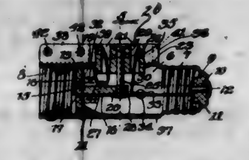
1,556,111. CURRENT-TAP SOCKET. MAX HERSKOVITZ, Chicago, Ill., assignor to Peerless Light Company, Chicago, Ill., a Corporation of Maine. Filed June 28, 1923. Serial No. 648,227. 9 Claims. (Cl. 173—334.)



1. A device of the character described comprising a tubular member provided at its opposite ends with contacts, a strip member extending lengthwise of said tubular member and connecting together certain of said contacts, said tubular member containing openings in its side wall, and a block of insulating material extending crosswise of said tubular member in a plane parallel with said strip member, and extending at its ends into said openings.

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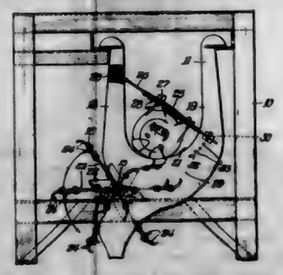
1,556,112. APPARATUS AND PROCESS FOR DEHAIRING ANIMAL CARCASSES. BERT EUGENE HILL, Chicago, Ill., assignor to Allied Packers, Incorporated, Chicago, Ill., a Corporation of Delaware. Filed Jan. 6, 1923. Serial No. 611,019. 7 Claims. (Cl. 17—18.)



6. A method for dehairing animal carcasses, which consists in concurrently moving the carcass in the direction of its longitudinal axis, scraping the carcass in a direction transverse to its longitudinal axis whereby a torque is applied to the carcass tending to rotate the same, and scraping the carcass in the reverse direction.



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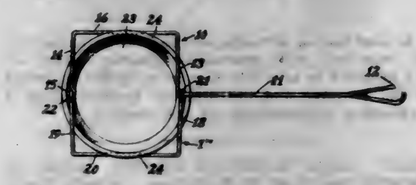
1,556,113. PAN AND PLATE LIFTER. JACOB HORSTEDE, Lomita, Calif. Filed Dec. 18, 1924. Serial No. 755,606. 1 Claim. (Cl. 294—30.)



A lifter for pans and plates comprising a wire handle bent to form at one end a U-shaped frame-piece having an open unobstructed side, and a complementary U-shaped frame-piece consisting of another wire, loosely hinged to said aforementioned frame-piece, said frame-pieces being adapted to cooperatively engage the edges of a pan or plate to lift the latter.

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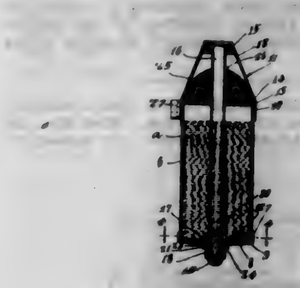
1,556,114. VAPORIZING DEVICE. JAMES H. HOPKINS, Los Angeles, Calif., assignor, by mesne assignments, to Vapor Lubricant Company, Los Angeles, Calif., a Corporation of California. Filed Nov. 14, 1921. Serial No. 514,935. 1 Claim. (Cl. 261—124.)



In an apparatus of the character described, the combination of a light-transmitting vertical cylinder, heads at the opposite ends of the cylinder, a vertical tube opening at its upper end through the upper head and having a port for its lower end, the upper head having an internal annular lip, a screen positioned in the upper head and surrounding the tube and resting on the annular lip, and an outlet pipe communicating with the upper head.

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1,556,115. PLASTIC. WILLIAM HOSKINS, Chicago, Ill., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill., a Corporation of New York. Filed Feb. 21, 1923. Serial No. 620,502. 9 Claims. (Cl. 106—27.)

1. A plastic composition produced by the interaction of a phosphatic material, sulfuric acid and an aluminate binder.

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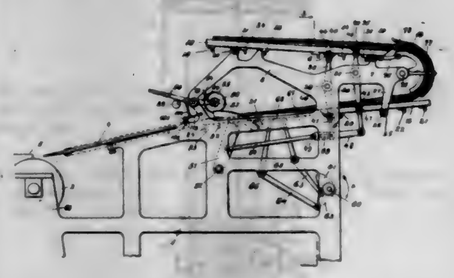
1,556,116. PAPER-FEEDING APPARATUS FOR PRINTING PRESSES, FOLDING MACHINES, AND THE LIKE. MAX GÜNTHER WILHELM KOENIG, Berlin-Grunewald, Germany, assignor to Maschinenfabrik Koenig-Werk G. m. b. H., Berlin-Grunewald, Germany, a Joint Stock Company. Filed Apr. 18, 1925. Serial No. 24,152. 6 Claims. (Cl. 271—62.)



5. An apparatus for feeding banks of sheets of paper, comprising a pair of bank supporting tables located one above the other and made in sections, a reversing member disposed between said tables at one of the ends thereof, means to impart feeding movement to said tables, and means for successively returning the sections of the tables into initial positions.

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1,556,117. SURFACE CONDENSER. CHARLES LEONARD ARMAND MAURICE LEBLANC, Paris, France, assignor to Societe Anonyme pour l'Exploitation des Procedes Westinghouse-Leblanc, Paris, France. Filed May 15, 1920. Serial No. 381,762. 7 Claims. (Cl. 257—43.) (Granted under the provisions of the act of Mar. 3, 1921. 41 Stat. L., 1313.)

1. In combination in a surface condenser, a casing having a steam inlet port and a condensate delivery port, a nest of tubes located within said casing, means for deflecting steam entering said inlet port and for causing said steam to traverse said nest in an ascending direction across the path of the condensate and means for extracting air and non-condensable gases from the top of said nest of tubes.

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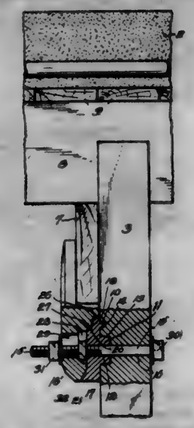
1,556,118. REENFORCED-CONCRETE-FLOOR-FORM CARRIER-SUPPORTING BRACKET. PHILIP LEE, St. Louis, Mo. Filed Nov. 19, 1923. Serial No. 675,509. 6 Claims. (Cl. 25—131.5.)

1. A carrier supporting bracket for reenforced concrete floor form structures comprising a stationary

bracket member removably fixed to a supporting post having beveled shoulders at different elevations at the upper end of said member and a beveled extension at



its lower end and a movable bracket member for supporting form carriers shiftable laterally and downwardly for lowering carriers supported thereby.

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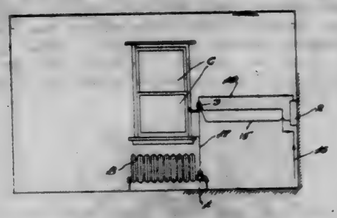
1,556,119. THERMOSTATIC RADIATOR CONTROL. CHARLES C. MCDERMOTT, Chicago, Ill. Filed Sept. 5, 1922. Serial No. 586,255. 5 Claims. Cl. 236—36.)



1. In a room, the combination of a heat supply line, a ventilating device, a fluid pressure valve interposed in the heat supply line and adapted for governing the heat supply through said line, a fluid pressure line leading to said valve, thermal means controlling the fluid supply to said valve, and means for connecting the fluid pressure line directly with the valve in the heat supply line by rendering the ventilating device active and for connecting said fluid pressure line with the valve in the heat supply line by way of said thermal controlling means when the ventilating device is rendered inactive.

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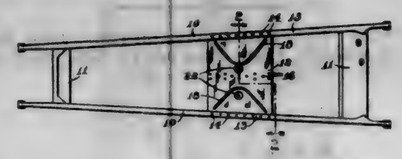
1,556,120. METHOD OF STERILIZING PROTEINS OR OTHER COLLOIDAL MATERIAL. CLARENCE A. MILLS, Cincinnati, Ohio. Filed July 25, 1922. Serial No. 577,442. 4 Claims. (Cl. 167—7.)

1. A process for sterilizing sensitive medicinal and therapeutic proteins and the like, which consists in treating a solution containing such protein with mercury bichloride, subsequently clearing the solution by converting the mercury proteinate into the protein and the mercury in a soluble double salt, and then removing the double salt from the solution.

4. A process of sterilizing organic non-diffusible colloids having useful medicinal functions which consists in treating a solution of such colloids with a sterilizing salt of mercury, adding a chemical to act with the salt of mercury to form a soluble mercury salt, and dialyzing the solution to remove the mercury salt, leaving a sterile colloidal solution.

1,556,121. AUTOMOBILE FRAME STIFFENER. JOHN C. MOORE, Connersville, Ind. Filed Dec. 23, 1921. Serial No. 524,865. 10 Claims. (Cl. 280—106.)



1. In combination with the side bars of an automobile frame, relatively wide sheet-metal members which are rigidly attached to said side bars on vertically separated lines and converge and are attached together along a line extending longitudinally of said frame.

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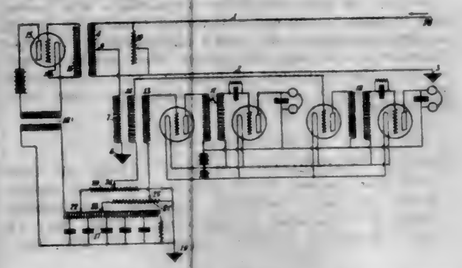
1,556,122. RADIO RECEIVING SYSTEM. ALBERT B. MOULTON, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Nov. 1, 1922. Serial No. 598,446. 29 Claims. (Cl. 250—20.)



1. A radio receiving system comprising in combination a long horizontal antenna consisting of two parallel conductors and a damping resistance connected across adjoining ends.

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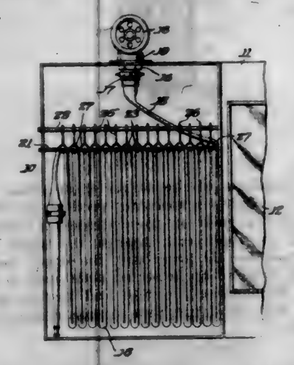
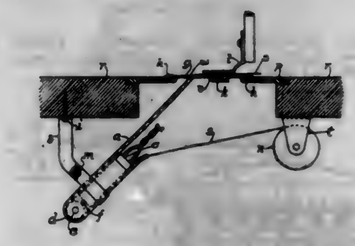
1,556,123. COMBINED HOSE RACK AND CABINET. CHARLES NUHRING, Cincinnati, Ohio. Filed Mar. 20, 1922. Serial No. 545,381. 12 Claims. (Cl. 248—28.5.)



1. In a hose supporting device, the combination with a plurality of pivotally mounted hose supporting elements adapted for supporting hose in pendent loops, of a pivoted support for each of said supporting elements engageable with the latter and successively releasable from the supporting elements under pressure exerted on the supports when withdrawing the hose from said supporting elements.



1,556,124. PROCESS AND APPARATUS FOR REENFORCING SHOE VAMPS, TIPS, AND THE LIKE. PHILIP L. O'DONNELL, Cincinnati, Ohio. Filed May 1, 1922. Serial No. 557,543. 6 Claims. (Cl. 154—42.)



3. A process of applying tape to shoes and leathers during the reenforcing operation which consists in applying heat to a heat plastic tape, and while hot feeding the tape together with the portion to be taped, by applying a drag on one side of the article, directed toward the desired line of feed, and at the same time imparting to the other side of the article a series of rapidly successive blows at approximately the same point of application as the drag, the mechanism for applying the drag and blows being free from heat.

6. A process for reenforcing shoes and leather which consists in supplying a selvage edge tape, having adhesive substance thereon in a plastic state, supplying a leather or shoe portion to be reenforced, and applying a frictional feeding action to the said materials at their point of junction and simultaneously causing them to adhere without stretching.

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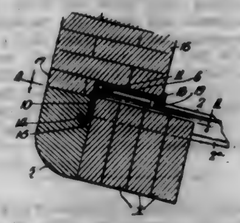
1,556,125. FIRE ARCH. HERMAN A. POPPENHUSEN, Hammond, Ind., assignor to Green Engineering Company, East Chicago, Ind., a Corporation of Illinois. Filed Aug. 4, 1921. Serial No. 489,718. 6 Claims. (Cl. 110—99.)



1. In a fire-arch, two laterally spaced beams, a row of tiles between said beams and suspended therefrom, said tiles being in contact with each other, a plate extending between said beams above said tiles, an end tile at one end of said row and in front of said plate, and means for suspending said end tile from said plate, said plate having engagement with said beams so that said end tile may be adjusted into contact with the tile to the rear thereof.

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1,556,126. BOND-WIRE SUPPORTER. FREDERICK A. PRESTON, Highland Park, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 5, 1921. Serial No. 449,893. 6 Claims. (Cl. 173—262.)

1. A bond wire supporter for attachment by a fastening device to the bar splicing abutting railroad rails composed of a substantially Z-shaped strip of metal bent to form a loop for the bond wire and to provide spaced portions which together embrace said fastening device,

the ends of which loop are forced one upon the other to close the loop when the supporter is fastened to the splice bar.

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1,556,127. BAIT-CAN HOLDER. WILLIAM A. PRUETT, Los Angeles, Calif. Filed Feb. 25, 1924. Serial No. 695,073. 4 Claims. (Cl. 224—25.)

1. The bait can holder attachment set forth comprising a body; a hook and arms integral with said body, said hook, arms, and body being a sheet metal stamping, and said body and arms being of a form adapted to engage and hold a can; a liquid having a forward extension forming a finger hold; said lid being pivotally connected to the body and adapted to close the open end of the can; and a spring for normally holding the lid in closed position.

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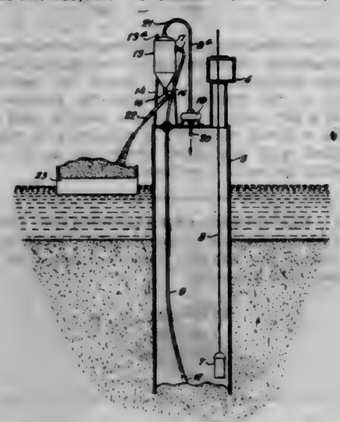
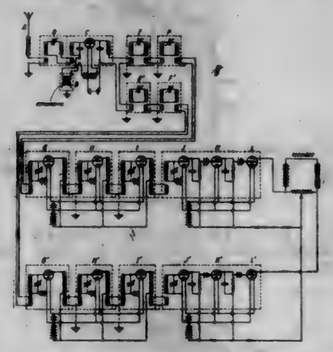
1,556,128. METHOD OF HANDLING MATERIAL IN THE PRESENCE OF COMPRESSED AIR. WILLIAM F. ROOS, Pelham Manor, N. Y. Filed Feb. 15, 1923. Serial No. 619,321. 13 Claims. (Cl. 37—56.)



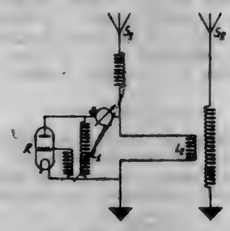
1. The method of handling material in the presence of compressed air normally sealed to the atmosphere which consists in moving the material by means of a fluid conveyor in a manner to maintain the pressure of said compressed air at an approximately constant point.

1,556,120. RECEPTION OF WIRELESS SIGNALS. HENRY JOSEPH ROUND, London, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed July 9, 1921. Serial No. 483,492. 4 Claims. (Cl. 250—8.)



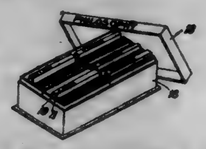
1. The method of beat reception of wireless telegraph signals which consists in passing the beat currents through resonance circuits of damping so low that the signals cannot be detected by the ear rectifying the beat currents and causing the rectified currents to actuate a recorder.

1,556,130. CIRCUIT ARRANGEMENT FOR WIRELESS SIGNALING. OTTO SCHRIEVER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallescher, Berlin, Germany, a Corporation of Germany. Filed Dec. 27, 1922. Serial No. 609,214. 11 Claims. (Cl. 250—17.)



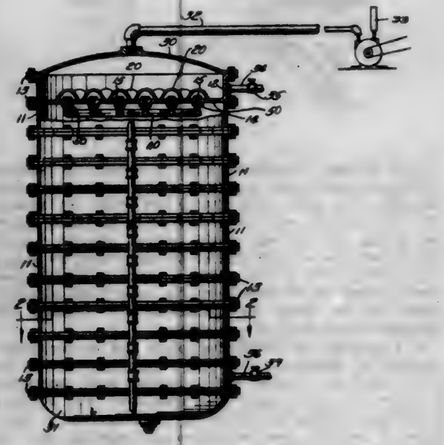
1. A circuit arrangement comprising two senders having their antennæ electrostatically coupled, and arranged to operate simultaneously, and means for neutralizing the effect of the coupling between the antennæ with respect to a part only of one of the senders, said means comprising a circuit connected in parallel with said part and coupled with the other sender so as to receive compensating potential therefrom.

1,556,131. RECORDING AND CLASSIFYING SYSTEM. ALVA L. SCOVILLE, Los Angeles, Calif. Filed Apr. 13, 1921, Serial No. 461,053. Renewed June 30, 1925. 2 Claims. (Cl. 129—16.)



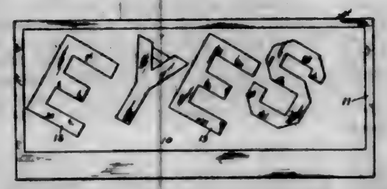
2. In a recording and classifying system, a tray, data-bearing cards removably received in the tray, a follower for maintaining the cards in proper position, said follower being formed of a single card board in the shape of an inverted V, the legs of which tend normally to spread apart whereby to compact the cards, said follower having a flat ridge at its top formed integral with the legs to receive a general designation explanatory of the subject matter contained on the cards.

1,556,132. EVAPORATOR. SAMUEL T. SMITH, Los Angeles, Calif. Filed May 26, 1923. Serial No. 641,586. 3 Claims. (Cl. 196—100.)



1. An evaporator comprising: walls forming a gas tight enclosure; septums extending across said enclosure so placed as to form pools of menstruum on the upper surface thereof; a series of bosses on said septums extending upwardly therefrom and each having a vertically disposed hole therethrough; a series of deflectors each being placed over one of said bosses and forming an inverted cup extending downwardly about said boss; a series of heating coils, each coil being placed below one of said septums and above the menstruum carried on the next lower septum, each turn of the heating coil being so placed that the drip through said vertically disposed holes falls on said heating coil; means for delivering liquid to the space above an upper septum; means for withdrawing liquid from the space below a lower septum; and means for withdrawing vapors from the top of said enclosure.

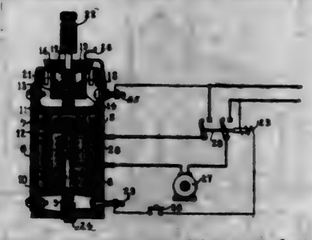
1,556,133. SIGN. NATHAN M. STANLEY, Dayton, Ohio. Filed Feb. 2, 1925. Serial No. 6,256. 6 Claims. (Cl. 40—129.)




1. In a sign, a plurality of movable letters pivoted at one end thereof closely adjacent thereto so that the upper end does not move bodily laterally and means for moving said letters bodily about said pivotal points.

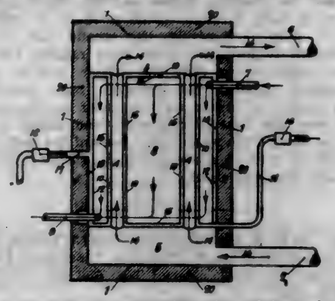


1,556,134. PROTECTIVE DEVICE FOR ELECTRIC CIRCUITS. ERWIN R. STOEKLE, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 20, 1922. Serial No. 537,860. 7 Claims. (Cl. 200—122.)



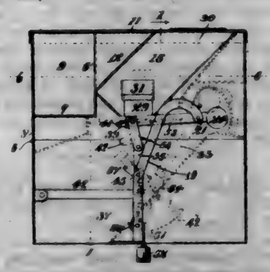
1. A circuit interrupter comprising a conductor which is liquid at working temperatures, electro-thermic means including an external heater for subjecting said conductor to fluid pressure of its own vapor to effect sudden interruption of circuit through said conductor and means requiring operation thereof to effect restoration of circuit.

1,556,135. METHOD AND APPARATUS FOR PREVENTING SUBSTANCES FROM MIXING. JAN VAN DER HOEVEN, Leiden, Netherlands. Filed May 19, 1923. Serial No. 640,281. 16 Claims. (Cl. 23—230.)



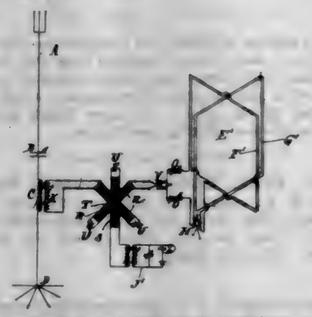
1. A method of preventing the mixing of undesired substances on the breaking down of a separating partition consisting of introducing into the space between the double separating partition a separating substance neutral to the possible extent, having a pressure different from those of said substances to be separated and providing a device operated by pressure differences in connection with said separating substance to indicate any alteration of pressure therein.

1,556,136. TRAP. AXEL WAHLSTROM, Oakland, Calif. Filed Aug. 5, 1924. Serial No. 730,205. 5 Claims. (Cl. 43—70.)



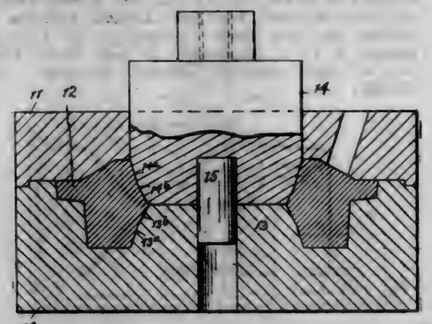
1. A trap consisting of a plurality of superimposed chambers, a tiltable diversion wall separating the same and forming a floor for the upper chamber, a bait holding means accessible from the upper chamber, a pivotally suspended member provided with a hopper at its upper end, a trigger mechanism for normally maintaining said pivotally suspended member in substantially upright position, mechanism actuated by the operative swinging movement of the pivotally suspended member for imparting a tilting movement to the division wall, means for supply material to the hopper for causing pivotal movement of the suspended member and means for restoring said dividing wall and said pivotally suspended member to their normal positions on the dumping of the charge from said hopper.

1,556,137. METHOD AND APPARATUS FOR RADIO-SIGNALING. ROY ALEXANDER WEAGANT, Douglas Manor, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 7, 1919. Serial No. 275,556. 20 Claims. (Cl. 250—20.)



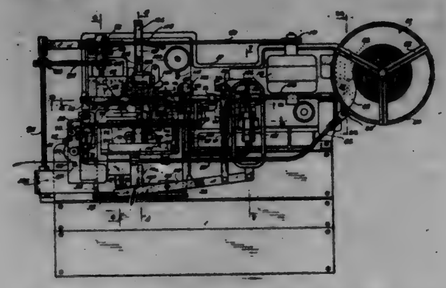
1. The method of reducing static interference in radio communication which consists in receiving signals and heterogeneously polarized static waves in each of a plurality of antenna system portions one of which portions is directional, said antenna system portions being differently affected by vertically polarized horizontally propagated waves of different azimuth, comulatively combining the currents due to said signal waves on said portions to increase signals and differentially combining the currents due to static waves on said portions to reduce static interference.

1,556,138. MOLD AND METHOD OF CASTING. WILLIAM G. WEBB, East Cleveland, Ohio, assignor to The Cleveland Electric Tramrail Co., Wickliffe, Ohio. Filed July 30, 1923. Serial No. 654,560. 12 Claims. (Cl. 22—168.)



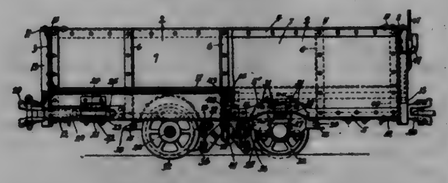
1. A mold having a chill for chilling the metal around the wall of an inner opening, said chill being tapered at an angle such that there will be a relative axial movement between the chill and the casting as the latter contracts upon the chill in cooling.

1,556,139. SEALING MACHINE. MERLE J. WEST, Milwaukee, Wis., assignor to West Manufacturing Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 30, 1923. Serial No. 677,781. 26 Claims. (Cl. 216—9.)



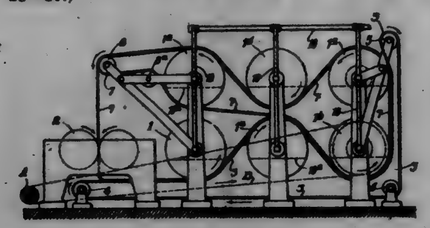
1. In a sealing machine, the combination with a punch for cutting a seal from a sealing strip fed thereto, of seal-affixing mechanism, and means including a movable carrier and a pin mounted thereon upon which the seal is impaled by the punch and upon which the seal is carried to the seal-affixing mechanism.

1,556,140. STEEL MINE CAR. JAMES B. WOLF, Glen Ridge, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 24, 1925. Serial No. 4,515. 11 Claims. (Cl. 105—364.)



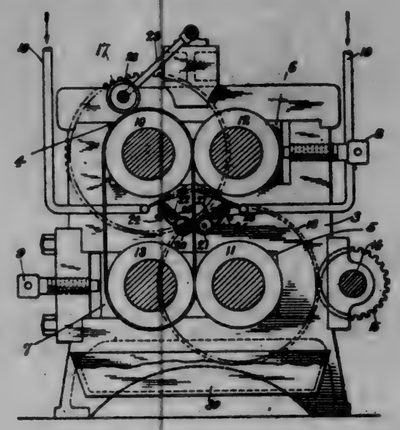
1. In a car structure, a body having walls and a bottom, a housing extending longitudinally in the body and opening through the bottom of the body, brakes beneath the body, and brake operating means including a member extending longitudinally in the housing.

1,556,141. PROCESS AND APPARATUS FOR MASTICATING RUBBER. HARRY CLARANCE YOUNG, Sutton, and COLIN MACBETH, Four Oaks, England, assignors to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y., a Corporation of New York. Filed Jan. 31, 1924. Serial No. 689,822. 9 Claims. (Cl. 18—50.)



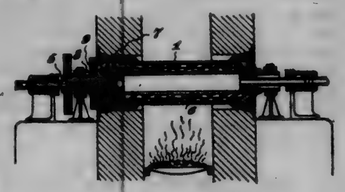
2. The method of treating raw rubber which consists in masticating it and converting it into sheet form and passing it automatically in such form around cooling rollers to a point where it is again masticated, and repeating such operations to the desired extent.

1,556,142. WASH MILL. PHILIP E. YOUNG, Fair Haven, Mass. Filed July 31, 1922. Serial No. 578,572. 3 Claims. (Cl. 18—2.)



1. A mill for washing rubber and the like comprising two pairs of rolls through which a sheet of rubber is adapted to pass successively, the second pair of rolls being adapted to pull the sheet more rapidly than the first pair feeds it, so that the rubber will be placed under tension between the pairs of rolls, means for directing sprays of water on the sheet as its emerges from between the first pair of rolls and means for deflecting the flow of the wash water toward the ends of the second pair of rolls to prevent dislodged dirt from being ground back into the sheet.

1,556,143. STEAM GENERATOR. JOHAN VIKTOR BLOMQUIST and KARL FREDRIK WESSELAD, Stockholm, Sweden. Filed Aug. 11, 1923. Serial No. 656,832. 1 Claim. (Cl. 122—11.)



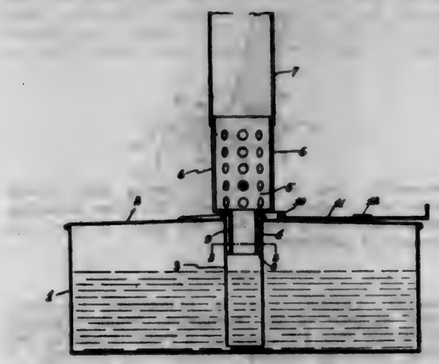
A high pressure steam generator, comprising, a rotary tubular element, the element having two ends, a cover fixed to one of the ends, a hollow journal carried by the cover, an annular sleeve shaped member fixed to the other end of the element and provided with a seat, a removable cover formed to fit the seat, a hollow journal carried by the removable cover, and means for removably and tightly connecting the removable cover to the sleeve shaped member.

1,556,144. ORCHARD HEATER. HENRY F. CONGABLE, Oakland, Calif. Filed Sept. 20, 1923. Serial No. 663,778. 7 Claims. (Cl. 158—91.)

7. A heater comprising a tank, a cover on said tank, a tube secured to said cover and extending into said tank, a conduit extending into said tube, a combustion chamber positioned at the upper end of said conduit, said conduit being of smaller diameter than the tube

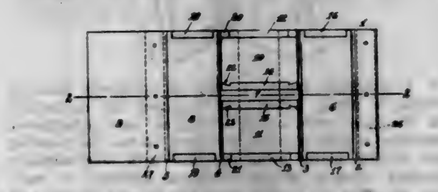


to form an air passage, a tapered yoke positioned between the cover and the bottom of the combustion chamber to adjust said chamber above said cover and



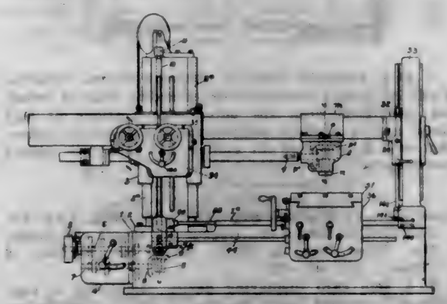
admit air into said passage, a handle for said yoke whereby the same may be operated and a guide for said handle.

1,556,145. LUG BOX. EDWARD T. DYSON, Oakland, Calif. Filed Dec. 27, 1923. Serial No. 682,941. 2 Claims. (Cl. 217—12.)



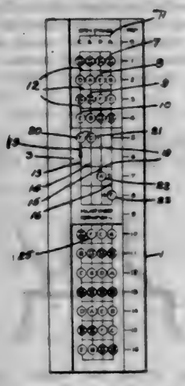
1. A packing box comprising a strip of thin material adapted to form the top, front, rear and bottom faces, side strips secured to the bottom of said box, strips secured to the outer edge of the bottom, reinforcing bars secured to the outer edges of the front and rear sides, locking cleats secured to the upper edges of said ends, said locking cleats and strips having notches formed therein into which said reinforcing bars are adapted to fit.

1,556,146. MACHINE TOOL. KARL HOEPFNER, Detroit, Mich. Filed July 29, 1921. Serial No. 488,331. 4 Claims. (Cl. 29—26.)



1. In a machine tool, the combination with a bed, a carriage moveable thereon, a platen transversely moveable on said carriage, feed change gear mechanism carried by said carriage for actuating said carriage and platen, a column, a spindle head vertically moveable thereon, a spindle journaled in said spindle head, an over arm moveable in said spindle head, means for projecting or retracting said over arm, a boring bar longitudinally moveable in said spindle, feed mechanism carried in the spindle head for actuating the spindle head or the boring bar, operative connection with the feed change gear mechanism of the carriage and the feed mechanism of the spindle head, micrometer adjustment to the spindle head, the carriage and the platen, substantially as described.

1,556,147. CHORD INDICATOR FOR MUSICAL INSTRUMENTS. ALLAN W. JOHNSON, Bloomfield, and HARRY MEKKER, Jr., Newark, N. J. Filed Apr. 30, 1924. Serial No. 709,961. 11 Claims. (Cl. 84—485.)

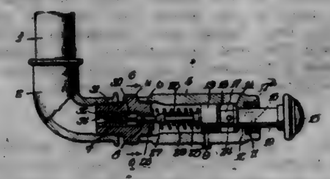


4. A chord indicator for string instruments comprising a base member having characters thereon representing the strings on a finger board, grooves in said base at opposite sides of said characters, a slide movable in said grooves, said slide having perforations to expose characters to indicate a chord.

1,556,148. STERILIZER. DOROTHY KNOTT, Wimbledon Common, England. Filed Feb. 16, 1925. Serial No. 9,690. 3 Claims. (Cl. 167—3.)

1. A sterilizer comprising an outer vessel and an inner vessel mounted in the mouth thereof in an air-tight manner, and a hollow head removably fitted to the mouth of the inner vessel, and a valve and aperture in said inner vessel, substantially as and for the purposes set forth.

1,556,149. DISPENSING VALVE. HAROLD I. KOPPELMAN, Chicago, Ill., assignor to U. S. Sanitary Specialties Corporation, Chicago, Ill., a Corporation of Illinois. Filed May 7, 1923. Serial No. 637,072. 8 Claims. (Cl. 221—102.)



3. In a dispensing device, the combination of a casing having an inlet port and an outlet port, a plunger operable in the casing to eject liquid through the outlet port, an inlet valve normally closing the inlet port, an outlet valve controlling the outlet port, said valves being movable independently and means operable by the plunger to open the inlet valve while the outlet valve is closed.

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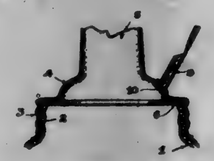
1,556,150. DISPENSING CAN. HENRY G. KUCK, Peoria, Ill. Filed July 3, 1924. Serial No. 723,935. 5 Claims. (Cl. 221—28.)



2. A dispensing device for liquids comprising a receptacle, a separate nozzle or spout including a base adapted to be connected to the receptacle and detachable therefrom, and a handle including a tubular portion formed therewith secured at one end upon the nozzle and opening into the same above its base.

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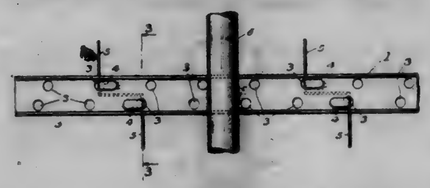
1,556,151. SUPPORT AND SPACER FOR REENFORCING BARS. HENRY H. LAMPERT, Chicago, Ill. Filed Dec. 18, 1923. Serial No. 681,879. 1 Claim. (Cl. 72—122.)



A support for reenforcing bars comprising a channel bar, the web of which is provided with rows of perforations, the perforations being uniformly spaced in each row, but the perforations of one row being staggered with respect to the perforations of the adjacent row, sheet metal supports for said channel bar, said sheet metal supports being bent into Z form and provided with projections extending through said apertures and bent down against the web of the channel bar.

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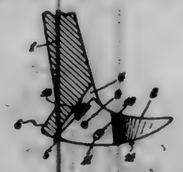
1,556,152. SPIKE PULLER. MARGARET E. LEE, Oakland, Calif. Filed Nov. 10, 1923. Serial No. 673,930. 1 Claim. (Cl. 852—24.)

A spike puller comprising an elongated handle, a pair of arms formed on the lower end of said handle, a pin between the arms, and a pair of jaws having apertures therethrough pivoted between said arms, and a spring engaging the rear of said jaws to urge them



downwardly, each of said jaws having slots formed therein and a second pin between the arms extending through said slots, and into the arms, to limit the movement of said jaws.

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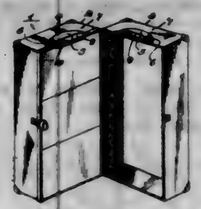
1,556,153. TRUNK. CARL B. LINDENBERG, Columbus, Ohio, assignor to The Indestructo Trunk Company, Columbus, Ohio, a Corporation of Ohio. Filed July 30, 1924. Serial No. 729,171. 1 Claim. (Cl. 190—13.)



In a wardrobe trunk, a pair of relatively movable sections, a tilting attachment designed for connection with the head ends of said sections, said attachment comprising a pair of concavo convex plates, the meeting edges of said plates being provided with longitudinally extending integral flanges arranged adjacent to each other, an offset lip formed upon one of said flanges and arranged to project below the other of said flanges to provide a strengthened union between said plates when the latter are in active positions.

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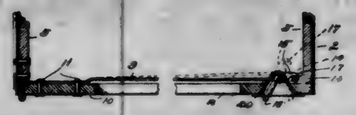
1,556,154. WARDROBE TRUNK. CARL R. LINDENBERG, Columbus, Ohio, assignor to The Indestructo Trunk Company, Columbus, Ohio, a Corporation of Ohio. Filed Aug. 18, 1924. Serial No. 732,647. 2 Claims. (Cl. 190—13.)



2. In a wardrobe trunk, a wardrobe section including a pair of spaced longitudinally extending sides, a swinging closure between the outer edge portions of said sides, and a metallic reinforcement carried in connection with said closure for pulling said sides into aligned relationship.

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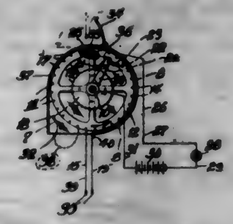
1,556,155. COMBINED STREET INDICATOR AND ADVERTISING DEVICE. GEORGE T. MOORE, St. Louis, Mo. Filed June 3, 1922. Serial No. 565,553. 6 Claims. (Cl. 40—55.)

2. A sign card displaying device comprising a horizontally arranged shaft bearing a pair of rigidly secured spaced apart members, said members being for the support of a series of sign cards which are arranged so as to overlap one another, each of said cards being borne by said members in a manner whereby each in



turn can be vertically suspended therefrom, a ratchet wheel rigidly secured to said shaft, an armature arm loosely mounted on said shaft, a pawl borne by said arm for engagement with the teeth of said ratchet wheel, an electric magnet co-operable with said arm, a normally open electric circuit co-operable with said arm and said armature which when closed is adapted to cause



said arm to move and the pawl borne thereby to actuate said ratchet wheel, and a horizontally arranged member to be engaged by the intermediate portion of each card after each card has been suspended for assisting the overlapping operation of said cards, and a horizontally arranged member to be engaged by each card after being suspended for assisting the overlapping operation of said cards.

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1,556,156. RESILIENT WHEEL. FRANZ H. NIERMAN, Jefferson City, Mo. Filed Dec. 5, 1921. Serial No. 519,940. 2 Claims. (Cl. 152—36.)

1. In a vehicle wheel, a felloe therefor, cushioning means surrounding the outer periphery of said felloe, a pair of clamping plates carried by said felloe adapted to provide means for gripping said cushioning means sidewise thereof, an outer felloe located over said cushioning means having a pair of plates secured thereto which are slidable over said other plates, and a resilient tire carried by said outer felloe.

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1,556,157. DAM. JAMES W. NORTH, Pittsburgh, Pa. Filed Jan. 27, 1925. Serial No. 5,062. 7 Claims. (Cl. 61—27.)

1. A dam comprising a turn-table and a gate collapsibly mounted thereon, and collapsible means for assisting said gate to withstand the hydrostatic pressure imposed thereon and adapted to limit the rotation of said turn-table.



1,556,158. HEADLIGHT LENS. HARRY M. PATCH, Seattle, Wash. Filed Nov. 9, 1920, Serial No. 422,760. Renewed Mar. 16, 1925. 2 Claims. (Cl. 240—48.4.)

1. A headlight lens, having one of its faces formed to provide a non-prismatic surface above the center thereof, a prism above the horizontal diameter of the lens at each side of the aforesaid non-prismatic portion, a prism located below the lens center and medially of the transverse width of the lens, and a prism at each side of the last named prism and below the horizontal diameter of the lens, all of said prisms having outer concave spherical surfaces whose centers of generation are located in the axis of the lens, the prisms above the horizontal diameter serving to refract the light rays passing therethrough into converging directions axially of the lens, the prisms below the horizontal diameter serving to respectively refract to variant extents light rays passing therethrough into radially divergent directions.

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1,556,159. HEADLIGHT. NORMAN H. RICE, Santa Barbara, Calif. Filed June 4, 1923. Serial No. 643,379. 2 Claims. (Cl. 240—41.)

1. In combination, a headlight housing presenting an annular front opening adapted to receive a lens therein, a second housing of smaller dimensions mounted transversely thereto having a reflector therein adapted to divert a portion of the light rays laterally and having a strip of material extending rearwardly therefrom, the strip being bent at its free end so as to allow the same to lie flat against the front face of the lens and to be turned over and around the edge of the same before the latter is inserted in the housing and having reinforcing flanges depending from its edges made to bear on the lens with the ends thereof, and means associated with the headlight housing made to bear against the front face of the lens and the strip of material after the latter two have been inserted.

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1,556,160. GAME BULLET. ROY F. RIGGS, Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed June 20, 1924. Serial No. 721,198. 8 Claims. (Cl. 102—26.)

8. A game bullet comprising a solid hard metal body having a cylindrical rear end and a tapered forward end, said last end having a socket formed therein, to

render the forward portion of the body relatively thin and easily susceptible of splitting, and a solid but soft metal slug constituting a tip arranged in the socket

and extending beyond the outer end thereof, the outer end of said slug being relatively small and formed with a fine point, for the purpose described.

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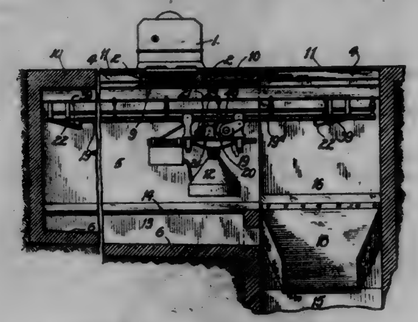
1,556,161. SYSTEM FOR DISPOSING OF METAL CUTTINGS. ALEXANDER G. RIPBERGER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Mar. 23, 1925. Serial No. 17,626. 20 Claims. (Cl. 214—1.)



1. The combination with a chamber of a metal cutting machine arranged to deliver its metal cuttings into said chamber, and travelling means in said chamber for collecting and removing said cuttings.

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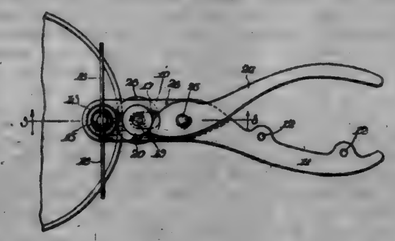
1,556,162. CAN OPENER. BENJAMIN ROCKLIN, Chicago, Ill. Filed Feb. 21, 1925. Serial No. 10,727. 1 Claim. (Cl. 30—3.)



In a can opener of the character described, the combination of a body member comprising a rearwardly-extending handle and having a feed roller mounted on one side of a forwardly extending part of the body with means for rotating said feed roller by hand, the body member being provided with a longitudinal slot in the forwardly-extending part thereof, a shaft extending through said slot, a disc cutter mounted for rotation on said shaft and positioned on the same side of the body member as is the feed roller, a disc mounted on said shaft on the side of the body member opposite to that on which said cutter is positioned, and a handle member complementary to said first-mentioned handle pivoted to the body member and having a cam surface at its forward end adapted to engage said disc and move the cutter member forward, the arrangement being such that when the feed roller is placed on one side of the upstanding flange of a can the cutter may be forced into the opposite side of such flange by drawing the two handles toward each other and through the rotation of the feed roller the device as a whole may be caused to travel about the flanged margin of the can to sever the same.

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1,556,163. REENFORCED PLASTER BOARD. JOHN SCHUMACHER, Los Angeles, Calif. Filed July 24, 1924. Serial No. 727,867. 4 Claims. (Cl. 154—45.9.)

1. A reenforced plaster board or the like comprising a cementitious body, a covering sheet bound thereto, and a narrow corrugated strip embedded in the edge of said body and bound thereto, said strip extending the length of said board and forming a marginal reenforcement.

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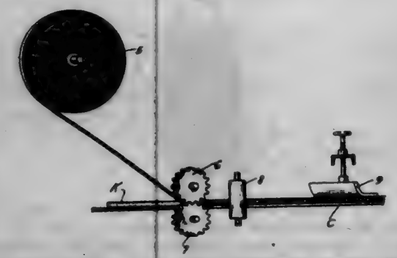
1,556,164. METHOD OF FORMING PLASTER BOARD AND THE LIKE. JOHN SCHUMACHER, Los Angeles, Calif. Filed July 24, 1924. Serial No. 727,868. 6 Claims. (Cl. 154—2.)



1. The method of forming reinforced plaster board and the like comprising advancing a green board having a plastic stratum and a pliable covering sheet, corrugating a strip of pliable reinforcement material, and forcing edgewise said strip into said body.

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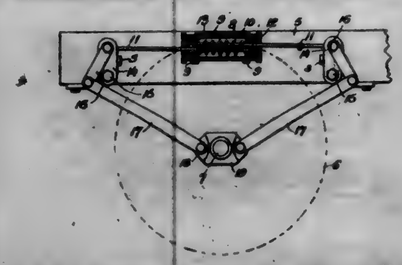
1,556,165. VEHICLE BODY SUSPENSION. BENJAMIN F. SEYMOUR, Indianapolis, Ind. Filed Dec. 14, 1920. Serial No. 430,694. 5 Claims. (Cl. 267—20.)



1. In a resilient suspension for vehicle bodies, the combination with a chassis, an axle, and a wheel journaled thereon, of a spring mounted on the vehicle body, a pair of oppositely acting compression rods connected



to said spring at its respective ends, lever arms fulcrumed on the vehicle body and connected to the compression rods, and reach rods and links connecting the axle with said lever arms, substantially as set forth.

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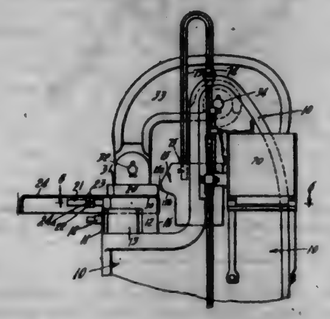
1,556,166. FLANGING MACHINE. CHARLES W. SIEVERT, Los Angeles, Calif. Filed July 14, 1920. Serial No. 396,107. 15 Claims. (Cl. 153—25.)



1. In a flanging machine, an anvil and means to hold a plate with its edge to be flanged projecting beyond the anvil, and a former movable transversely of the plate onto its projecting edge part and past the plate supporting face of the anvil, the former having on its forward face that first engages the plate and passes the anvil surface a concave plate engaging surface with the concavity facing in the direction of its movement onto the plate the curvature of said concavity extending along the edge of the anvil over which the plate projects, substantially as described.

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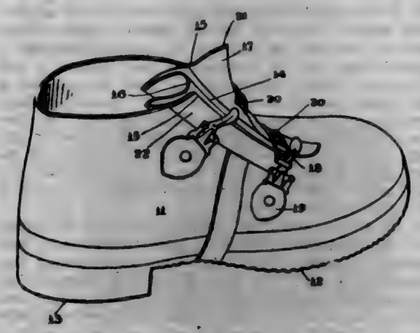
1,556,167. FOOTWEAR. PEARL Y. SMILEY, Kitchener, Ontario, Canada. Filed Apr. 10, 1924. Serial No. 705,601. 1 Claim. (Cl. 36—50.)



A boot or shoe having a front opening, an expansible gusset joining the edges of the opening, a flap attached to one of said edges, layers of canvas attached respectively to the inner surface of the flap and to the outer side of the upper immediately adjoining the remaining edge of the opening and complementary fastening members carried by the shoe and adapted to be secured together with one of said members extending across the flap and serving to hold the edges of the opening together.

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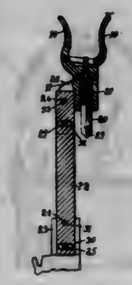
1,556,168. MARKING MACHINE FOR LAUNDRY ARTICLES. LEONARD S. SMITH, Jr., Cincinnati, Ohio. Filed Jan. 12, 1925. Serial No. 1,996. 4 Claims. (Cl. 101—97.)



1. In a machine of the class described, the combination of a toothed type wheel, a toothed sector co-operating with the type wheel, a notched locking bar adjacent to the toothed sector, a lever locking device including a slide bolt to co-operate with and enter the notches of the notched locking bar, and a means for adjustably connecting the said sector and the lever locking device, comprising an arm adjustably secured to the toothed sector and also adjustably secured to the lever locking device.

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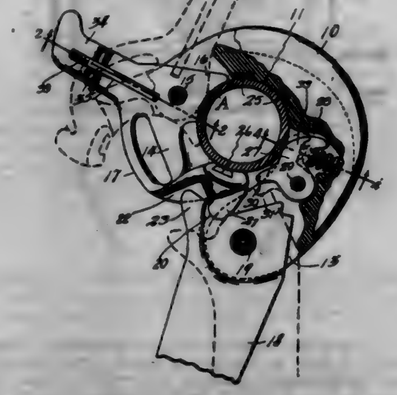
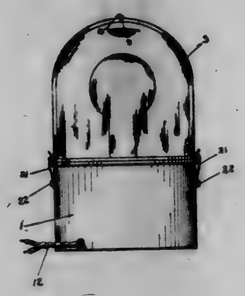
1,556,169. PIPE WRENCH. NELSON K. SMITH, Dallas, Tex. Filed Feb. 12, 1924. Serial No. 692,204. 10 Claims. (Cl. 81—67.)



1. In a pipe wrench, a yoke having ears at its ends and provided with a gripping face, a handle lever pivoted to the ears at one end of the yoke, a gripping arm pivoted to the ears at the other end of the yoke, a shoulder on the ear at the end of the yoke to which the arm is pivoted, a latch pivoted to the arm and having its end located to engage the shoulder, and means on the handle lever for engaging and swinging the arm after the latter is closed and latched.

1,556,170. VARIABLE-COLOR LAMP. WILLIAM DOUGLAS SMITH, Lumber Bridge, N. C. Filed Jan. 23, 1925. Serial No. 4,274. 6 Claims. (Cl. 240—107.)



2. A base containing bladders, electromagnets for depressing said bladders, a transparent globe mounted on the base and capable of receiving a fluid, fluids of different colors in said bladders, and connections between the bladders and the fluid receiving means in the transparent globe.

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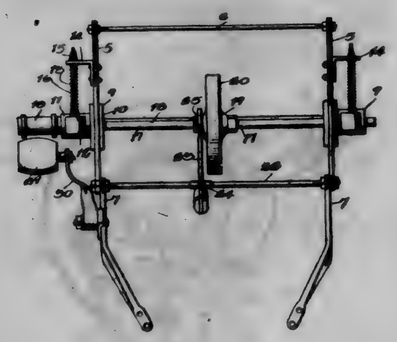
1,556,171. GRINDING DEVICE. FRED SPANGLER, Midway, Wis. Filed Sept. 25, 1923. Serial No. 664,754. 7 Claims. (Cl. 51—247.)



1. In a grinding device of the class described, a frame including a pair of inverted U-shaped sides, journals slidable in the sides, a shaft in the journals, means for rotating the shaft, and a grinding wheel rotatable by the shaft and slidable longitudinally thereof.

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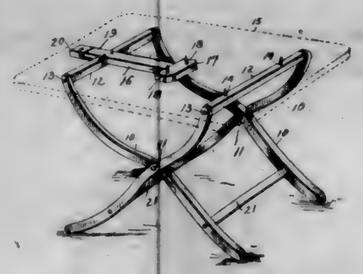
1,556,172. TABLE AND THE LIKE. ERNEST A. SPEAR, Belmont, Mass. Filed Jan. 14, 1924. Serial No. 686,175. 2 Claims. (Cl. 45—31.)

1. A top supporting structure comprising two pairs of pivoted legs, the pivots being between the ends of the legs and top engaging members extending between and pivoted to opposite legs of the two pairs said top-engaging members rocking upon their pivotal connection with the respective pairs of legs and moving towards and from one another with the legs when the table is folded and unfolded, respectively, one of said members having an



arm thereon with a block hinged to the end of said arm by means of which block the connection with the top is made.

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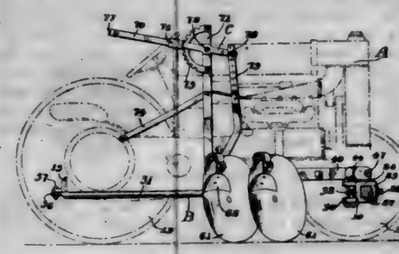
1,556,173. TRACTOR PLOW. JAY G. STEPHENSON, Athens, Tenn., assignor, by mesne assignments, to Athens Plow Company, a Corporation of Tennessee. Filed Oct. 7, 1921. Serial No. 506,123. 17 Claims. (Cl. 97—47.)



1. A tractor plow comprising in combination an elongated frame, a pair of tractor wheels supporting said frame at one end and disposed at equi-distances and at opposite sides of the longitudinal axis thereof, a pair of steering wheels supporting the other end portion of said tractor, one of said wheels offset a greater distance from the longitudinal axis of the frame than the other of said steering wheels, and a plow beam carried by said frame and extending from substantially midway of the ends of the frame toward the forward end of the tractor and having a front supporting connection adjacent to the offset steering wheel.

9. As a new article of manufacture, a plow attachment for tractors comprising a supporting beam, a right angularly disposed plow draft bar cap attaching foot secured to the rear end of said beam, an inwardly extending angled end formed on the forward end of said beam, a diagonally extending plow beam, a sleeve mounted upon the forward angled end of said supporting beam, a thrust bearing carried by said sleeve having a tapered bore, an extension axle, an upwardly extending inclined ear formed on the upper portion of said extension axle, a second bearing having a tapered bore, an ear formed on said second bearing arranged to abut the first mentioned ear, the inner faces of said ears having meshing teeth formed thereon, a pivot bolt connecting said ears, plow brackets secured to said plow beams, and disc plows carried by said brackets.

12. A tractor plow comprising a frame, front and rear running gear for the frame, a supporting rod connected adjacent its ends to said tractor and extending substantially parallel of the longitudinal axis thereof, and a plow beam supported at its rear end by the supporting rod and at its forward end by the front running gear.

14. A tractor comprising a chassis which includes a frame, rear running gear for the frame, and front running gear for the frame including an axle with steering wheels at the ends thereof, a beam, means supporting the beam upon said frame of the chassis at a location on the frame substantially halfway between the front and rear running gear with the beam extending forwardly of said location towards an outer end of the axle of the front running gear, means connecting the forward end of the beam to said chassis adjacent a steering wheel of the front running gear, a plow, and means mounting the plow upon the beam between the front and rear running gear in bodily offset relation from said beam.

17. In a tractor plow a chassis including front running and steering gear, rear running and traction gear, and a frame supported by said front and rear running gear including a crank case and differential housing having attaching flange means extending outwardly from the longitudinal axis of the tractor at a location substantially half way between the front and rear running gear, a beam, means connecting the beam to said attaching flange means at a side of the frame with the beam extending from said flange means forwardly toward the front running gear, means connecting said beam at its forward end to said chassis, and a plow supported by said beam between said connections of said beam.



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1,556,174. PURIFICATION OF VISCOSE SOLUTIONS. WALTER JAMES STEVENSON, deceased, late of London, England, by May Lucie Stevenson, administratrix, Pinner, England, assignor to Artsilk Limited, London, England, a Corporation of Great Britain. Filed May 19, 1925. Serial No. 31,405. 2 Claims. (Cl. 260—100.)

1. In the manufacture of artificial silk from viscose, the purification of the viscose solution prior to its formation into filaments in the precipitating bath, by submitting it to a centrifugal separating treatment, and then passing the centrifuged solution through filter presses containing powdered charcoal.

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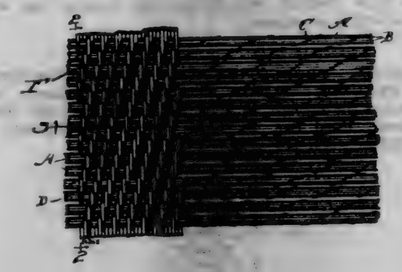
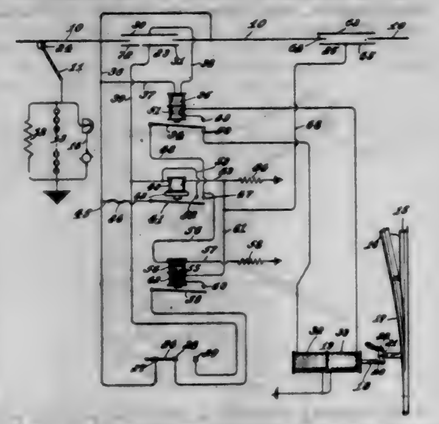
1,556,175. RUG. WILLIAM M. STEVENSON, Oshkosh, Wis., assignor to Waite Grass Carpet Company, Oshkosh, Wis., a Corporation of Wisconsin. Filed Sept. 15, 1924. Serial No. 737,666. 6 Claims. (Cl. 139—420.)



1. In a rug, the combination of a plurality of relatively bulky weft strands of grass twine extending in parallel relation to one another, and a warp composed of warp strands of fibrous material interlaced through the weft strands and laid in close laterally adjacent relation to one another and standing away from the weft strands to prevent exposure of the grass twine to abrasive action, substantially as described.

1,556,176. CIRCUIT CHANGER. SAMUEL S. STOLP, Chicago, Ill., assignor to Cheatham Electric Switching Device Co., Louisville, Ky. Filed Aug. 18, 1921. Serial No. 493,258. 21 Claims. (Cl. 246—227.)



2. In an electrical switch-operating device, in combination, a switch operating circuit, a circuit changer therefor not included in the circuit, and means for shunting out the circuit changer when the switch operating circuit is closed.

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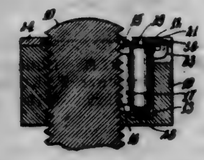
1,556,177. SAFETY NUT. ALEX SZABO and PETER BALOGH, Perth Amboy, N. J. Filed Oct. 29, 1924. Serial No. 746,482. 2 Claims. (Cl. 151—25.)



1. In a nut lock, a nut having a socket entered thereinto from the face thereof parallel to the bore of the nut, a plug rotatably mounted in said socket, and projections on one side of the plug adapted to be projected into the marginal portion of the bore of the nut by rotation of the plug, said projections comprising teeth formed in correspondence to the threads of the nut, and said plug being longitudinally adjustable in the said socket to bring the said teeth into registry with the threads of a bolt on which the nut is threaded.

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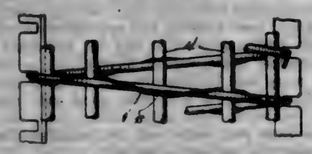
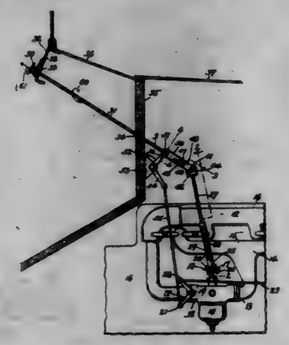
1,556,178. BAR SUPPORTING AND SPACING DEVICE. OLAF TALLAKSEN, Chicago, Ill. Filed Feb. 9, 1923. Serial No. 618,113. 3 Claims. (Cl. 72—76.)



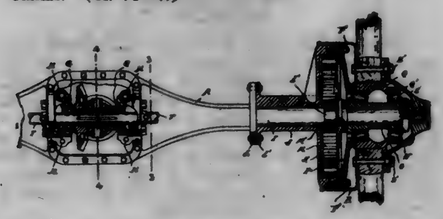
1. A spacing and fastening device for concrete reinforcements comprising a wire having U-shaped loops formed therein at intervals therealong, said wire being spirally wrapped around the perimeter of a partially fabricated reinforcement with the loops extending inwardly therefrom to provide openings adapted to receive, and hold in place, transversely disposed reinforcing bars.

1,556,179. COMBINED CHOKE AND NEEDLE VALVE CONTROL. JACOB RUSSELL TITMAN, Rahway, N. J., assignor of one-third to George B. Titman and one-third to Sherman F. Titman, both of Rahway, N. J. Filed May 13, 1924. Serial No. 712,992. 9 Claims. (Cl. 137—139.)



1. An adjusting device for a carburetor provided with a rotatably adjustable needle valve stem and a choke, comprising an arm, a manipulating member secured at one end of said arm for setting said arm, arm means pivotally connected at one of its ends to said rotatably adjustable needle valve stem, said arm means comprising telescopically related members, rotation transmitting connection means connecting the other end of said arm means with the other end of said first-named arm, means rotatably loosely mounted on said device for operating said choke and stop means for limiting the movement of said choke operating means axially of said first named arm.

1,556,180. VEHICLE AXLE. HOMER E. TOMLINSON, Malden, Mo., and HERSCHEL P. KINSOLVING, Kokomo, Ind. Filed May 29, 1922. Serial No. 564,401. 7 Claims. (Cl. 74—7.)



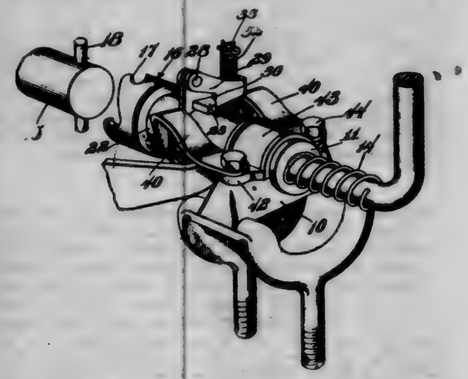
3. A dead axle in the form of a structural beam having a central vertical web and top and bottom flanges, said beam diminishing in width from the center towards its ends, a stub axle integral with said beam projecting from the end thereof, a gear housing having a hub sleeved upon said stub axle, adjacent flanges upon said beam and gear housing hub connected to each other to transmit torque stresses, a cap for said gear housing having a hollow outwardly projecting hub, a wheel hub journaled upon said hollow hub, an integral gear wheel within said housing, a stub axle upon said gear wheel projecting outward from said hollow hub, and a cap secured to said stub axle and transmitting the torque stresses therefrom to said wheel hub.

1,556,181. WATER FEED FOR DENTAL INSTRUMENTS. CHESTER TYREE, London, Ky. Filed Dec. 18, 1924. Serial No. 756,749. 2 Claims. (Cl. 32—10.)

1. In a dental syringe, a hand piece, a nozzle, metal tubing extending from said nozzle into said hand piece, a metal tube extending into and at the opposite end of said piece, a collapsible pipe within the hand piece and connecting the said metal tubes, a lever in the hand

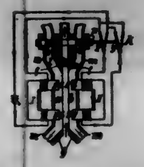
piece, a spring engaging the lever and normally holding it against the pipe to collapse it, and a manually operated arm to move the lever from contact with said pipe.

1,556,182. STARTING-CRANK HOLDER. ROBERT H. VISSER, Virden, Ill. Filed Dec. 13, 1924. Serial No. 755,733. 5 Claims. (Cl. 74—33.)



1. In combination with a rotatable starting crank for engines, the starting crank being longitudinally shiftable to engage the crank shaft of the engine, a collar secured to the starting crank and having a latching lug provided with a rearwardly directed shoulder, a plate fixed with relation to the crank shaft and at the opposite side of the collar from the crank shaft, said plate having an opening through which the latching lug of the collar may extend and over one edge of which the shoulder of the latching lug may engage and means carried by the plate yieldably maintaining the latching lug with its shoulder so engaged.

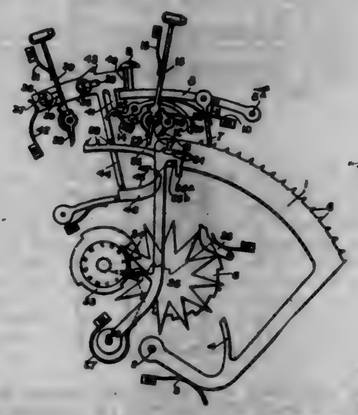
1,556,183. PRODUCTION OF THERMOINDUCTION CURRENTS. ELEMÉR VIZ, Budapest, Hungary, assignor of one-half to Max Meinhardt, Coventry, England. Filed Dec. 28, 1922. Serial No. 608,803. 5 Claims. (Cl. 171—125.)



1. In apparatus for producing electric currents, the combination of a magnetic circuit composed of two sections of high permeability separated by air gaps, means of high magnetic permeability disposed in the gaps in spaced relation to both sections and means constructed and arranged to alternately heat and cool said means.

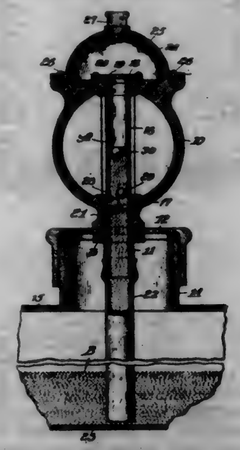


1,556,184. SIMPLE REPEATER MECHANISM FOR CLOCKS AND WATCHES. JACOB VOLPO, Jerusalem, Palestine. Filed Apr. 24, 1923. Serial No. 634,280. 8 Claims. (Cl. 58—61.)



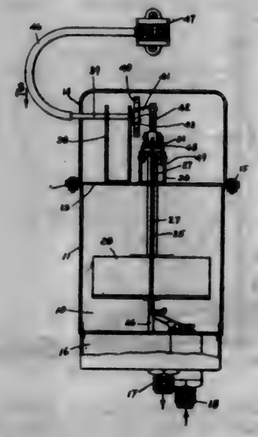
1. In a repeater mechanism for timepieces, a toothed rack movable towards an outward position, hand actuated means for advancing said rack toward its outward position step by step, striking mechanism actuated by the step by step movement of said rack, a locking member movable to engage and lock said hand actuated means when said rack reaches its outward position, said locking member being movable by hand into inoperative position for disengaging said hand actuated means, yielding means urging said rack inwardly, means for freeing said rack for inward movement when said locking member is moved to inoperative position and means controlled by the timepiece for limiting the inward movement of said rack.

1,556,185. INDICATOR FOR RADIATORS. EARL C. WALKER, Canton, Ill. Filed June 5, 1924. Serial No. 718,024. 2 Claims. (Cl. 116—114.)



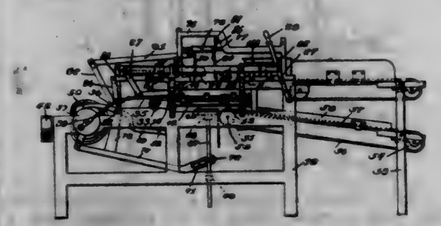
2. An indicator for automobile radiators comprising an open body for connection to the radiator, an indicator tube for communication with the cooling liquid of the radiator and for observation through the opening of the body, means providing a point between the tube and the body, a suction bulb marginally secured to the body adjacent the top thereof, independently of the tube and outwardly of the latter operable to elevate liquid from the radiator into the tube, specific gravity indicating means in said tube, and means secured at the said joint of said tube and body and maintained in place by the said joint to prevent displacement of the specific gravity indicating means from the tube.

1,556,186. LIQUID METER. WILLIAM G. WALL, Indianapolis, Ind. Filed Aug. 19, 1922. Serial No. 583,017. 7 Claims. (Cl. 73—28.)



1. A liquid meter including a casing having a measuring chamber, a float mounted in said chamber, a vertically-extending connecting stem secured to said float at one end, an actuating lever having one end pivotally connected to the other end of said stem, a bracket to which the other end of said actuating lever is pivoted, a rotating shaft having a ratchet wheel mounted on one end thereof, and a second lever pivotally connected at one end to said first-mentioned lever and provided with a pawl on the other end theereof for engaging and rotating said ratchet wheel upon the vertical movement of said float.

1,556,187. WRAPPING MACHINE. HENRY WATERSTONE, Montgomery, W. Va. Filed July 24, 1922. Serial No. 577,122. 12 Claims. (Cl. 93—2.)



1. In a bread wrapping machine, a wrapping paper holding and feeding mechanism, a loaf elevating mechanism, movable to bring a loaf into contact with the paper fed from the first mentioned mechanism, a horizontally reciprocating paper folding and loaf moving device movable to and from a position above the elevating mechanism, reciprocating mechanisms for folding one side of the paper under the loaf and for folding one side of each end inward, means to actuate said mechanisms in timed relation

and stationary devices arranged to act on the paper as the loaf moving device moves away from above the elevating mechanism and arranged to successively fold the remaining side of each end inward on the loaf end and fold the top and bottom portions of the paper ends over the side portions thereof.

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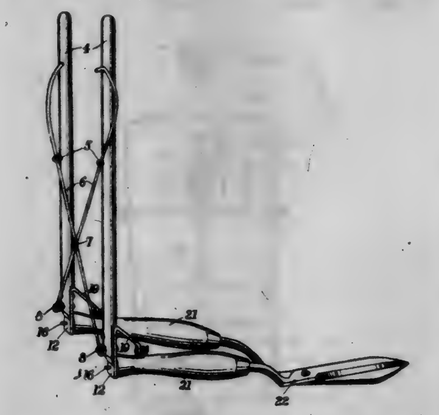
1,556,188. CONVERTIBLE LAWN AND HEDGE SHEARS. J. WALTER WILKINSON, Philadelphia, Pa. Filed June 15, 1922. Serial No. 568,386. 24 Claims. (Cl. 30—11.)



1. The combination with shears, a pair of handle bars mounted parallel to each other in a vertical plane and adapted to move bodily toward and from each other in said plane to operate the shears, and means guiding the bars to move in said plane.

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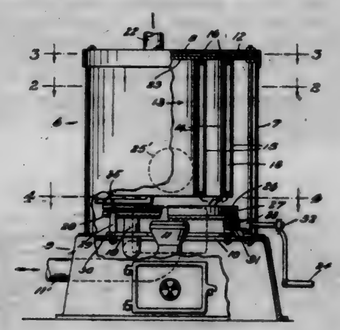
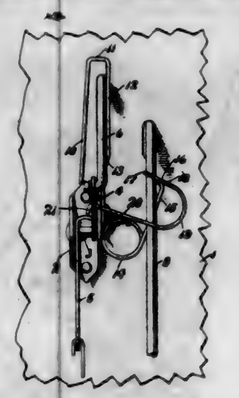
1,556,189. WATER HEATER. ROBERT J. WILSON, Seattle, Wash. Filed Apr. 18, 1922. Serial No. 555,050. 3 Claims. (Cl. 122—261.)



1. In a water-heater having a heating chamber provided with a smoke outlet in its peripheral wall, a water-containing coil provided in the upper portion of the heating chamber, said coil being arranged to provide a smoke-flue which extends horizontally and spirally from the center of the chamber to said outlet, an annular member rotatably mounted below the said coil, means pivotally connected to said member and revolubly carried thereby for cleaning the outer surfaces of said coil, and means to rotate said member for actuating the aforesaid means.

1,556,190. PRIMING-ROD ANTIRATTLER. FLOYD G. WITHROW, Grand Rapids, Mich. Filed July 27, 1925. Serial No. 46,381. 6 Claims. (Cl. 74—39.)



1. In combination with a vertically disposed automobile dash, a needle valve operating rod extending downwardly and forwardly through said dash, and a choke valve operating means mounted on the front side of said dash and comprising a pivotally mounted bell crank lever and an operating rod therefor extending upwardly and to the rear through the dash, of an anti-rattling device disposed against the front side of the dash and having parts engaging against said rods and bell crank lever with yielding spring tension to hold the same against aimless movement.

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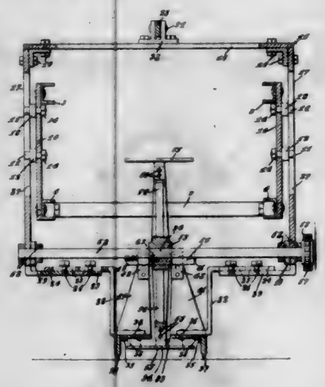
1,556,191. BEET TOPPER. JOSEPH WOLNY, Sheridan, Wyo. Filed Sept. 12, 1923. Serial No. 662,286. 4 Claims. (Cl. 55—107.)



1. In a device of the class described, a vehicle embodying a frame; shoes carried by the frame; means for mounting the shoes on the frame for adjustment toward and away from each other; a rotary topper journaled on the frame and including a blade coacting with the shoes; and means for rotating the topper.

3. In a device of the class described, a vehicle including a frame; shoes carried by the frame; a relatively fixed blade disposed transversely of the shoes; means for mounting the blade on the shoes for vertical adjustment; a topper journaled on the frame and including a blade coacting with the first specified blade.



1,556,192. STEEL EXTRACTOR. CHARLES A. ZEIGE, Spokane, Wash. Filed Oct. 1, 1924. Serial No. 741,076. 1 Claim. (Cl. 254—29.)

A steel extractor comprising a jack formed of telescoping tubular members coactingly threaded substantially throughout their respective lengths and adapted when in a starting position to have a major preponderance of their threads in coacting engagement to distribute the load on substantially all the threads and shorten and stiffen the jack against distorting strains, the bore of the inner member permitting the jack to be telescoped onto the projecting end of the steel with the base of one member against the formation and the free end of the other member inside of the terminal ends of the steel, an initially loose gripper on the projecting end of the steel endwise outside of said jack and adapted to be manually adjusted against the free end of the latter, and said jack having means whereby said tubular members may be relatively turned to lengthen said jack into endwise annular abutting swivelled engagement against and energize said gripper into rigid non-rotative and longitudinally fixed engagement with said steel during extracting of the latter, whereby an exclusively straight pull is exerted on the steel without imparting rotative or angular distortion thereto.

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1,556,193. METHOD AND APPARATUS FOR MAKING CERAMIC PRODUCTS. EDWARD ANDERSON, Dayton, Ohio, assignor to The A. A. Simonds-Dayton Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 19, 1924. Serial No. 750,881. 16 Claims. (Cl. 25—156.)

1. The method of making a ceramic article, which comprises puddling the constituents of the article, adding a quantity of temporary binding material, enclosing the puddle in a mold and depositing the mold in an oven, the temperature thereof being then raised to a point sufficiently high to cause the binding material to bind the constituents of the puddle together, and maintained thus until the puddle is dry, the puddle being subjected indirectly to air currents in the oven.

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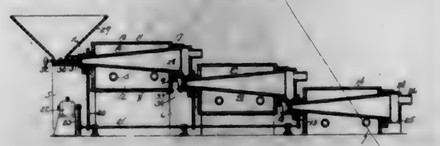
1,556,194. ROTATING RETORT. FREDERIC S. BACON, Middletown, Conn. Filed Apr. 7, 1923. Serial No. 630,501. 8 Claims. (Cl. 263—34.)



8. A retort comprising a series of end communicating tapered tubes rotatably mounted and arranged in stepped down formation, the smaller ends of the tubes communicating with the larger ends of the tubes, the smaller ends of the tubes forming the inlets, vapor and gas conducting means for the larger end of each tube, the smaller receiving end disposed below the lower side of the larger end of the adjacent tube, there being a material collecting chamber between each tube, and independently controlled heating means associated with each tube whereby gases possessing different chemical properties may be sequestered from each tube.

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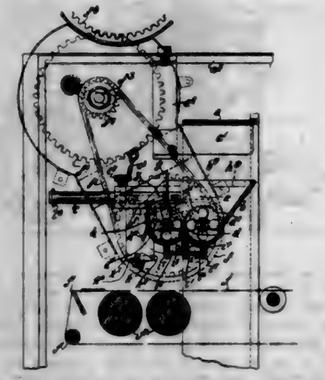
1,556,195. APPARATUS FOR THE COATING OF CONFECTIONS AND THE LIKE. GEORGE RALPH BAKER and RONALD HEAD, London, England, assignors to Joseph Baker Sons and Perkins Company, Incorporated, White Plains, N. Y. Filed June 9, 1923. Serial No. 644,827. 16 Claims. (Cl. 91—57.)



1. In apparatus for the coating of confections and the like, the combination of a mixing vessel having separate inlet and discharge portions, means for supplying coating to said inlet portion, mixing and stirring means in the vessel and interposed between said inlet and outlet portions, and deflecting means cooperating with said mixing and stirring means to substantially cut off the inlet portion from the outlet portion and compel the coating to take a substantially circuitous path and be subjected to said mixing and stirring means before its discharge from said outlet portion.

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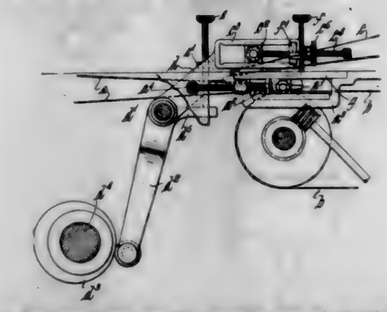
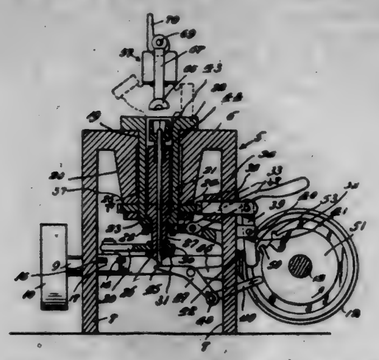
1,556,196. APPARATUS FOR THE MANUFACTURE OF BISCUITS AND THE LIKE. GEORGE SAMUEL BAKER and GEORGE RALPH BAKER, London, England, assignors to Baker-Perkins Company, Incorporated, White Plains, N. Y., a Corporation of New York. Filed Dec. 27, 1924. Serial No. 758,341. 7 Claims. (Cl. 107—6.)



6. In apparatus for the manufacture of biscuits, the combination of a conveyor on which biscuits are cut from the dough, a scrap conveyor receiving the scrap from said cutting conveyor, a knife edge about which said scrap conveyor passes, rocking means for impart-

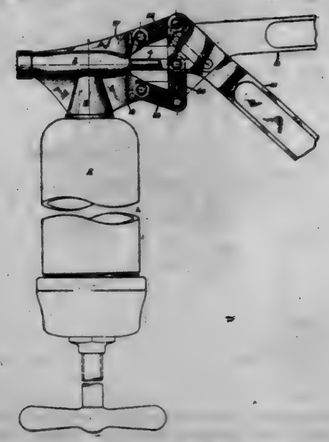
ing rising and falling movements to said knife edge relatively to the cutting conveyor, and screw means acting on said rocking means for adjusting the extent of said movements, or preventing said movements at will.

1,556,197. VALVE-GRINDING MACHINE. JOHN M. BARTLETT, Waterville, Me. Filed Aug. 28, 1923. Serial No. 659,721. 8 Claims. (Cl. 51—28.)



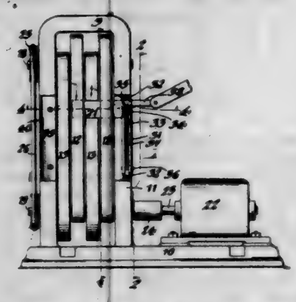
1. In a machine for grinding the cores of valves, a support, a sleeve mounted for rotation within said support, said sleeve including a portion adapted to receive a valve, a shaft freely oscillatable within said sleeve, said shaft embodying means for operatively connecting it to the core of the valve, means for oscillating said shaft, means for maintaining said valve in position upon the sleeve, automatic means for raising the valve core within its casing during the oscillatory motion of said core, and means for intermittently rotating said sleeve and consequently imparting rotation to the casing during the oscillation of the core within the casing.

1,556,198. GREASE INJECTOR. JULIUS H. BECKER, San Francisco, Calif., assignor to Goodman Bros., a Copartnership consisting of Sydney M. Goodman, Louis Goodman, and Samuel Goodman, San Francisco, Calif. Filed Nov. 24, 1924. Serial No. 751,829. 1 Claim. (Cl. 221—47.3.)



A grease injector adapted to be attached to and receive grease from a grease gun, comprising a body having a cylindrical bore into which the grease is forced by the grease gun, a plunger movable in said bore, ears on said body above and below the plunger, a lever having a pocket therein at its upper end, said lever being pivoted to the end of the plunger, a link connecting the lever above said pivot with the upper ear, a second link connected to the lower ear and a third link connecting the free end of the second link with the end of the plunger, said second and third links being disposed in said pocket when the plunger is at the end of its ejection stroke, the ejection stroke of the plunger being limited by contact of the connected ends of the second and third links with the back wall of the pocket.

1,555,199. RAZOR SHARPENER. WILLIAM F. BETHMANN, Buffalo, N. Y. Filed Dec. 21, 1921. Serial No. 523,977. 11 Claims. (Cl. 51—140.)



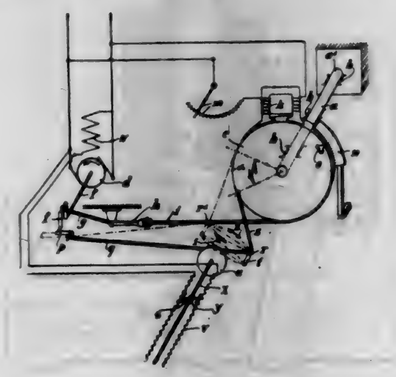
1. A razor-sharpener, comprising a frame, and a pair of traveling stropping belts arranged side by side in said frame, said belts having straight, flexible stretches inclined in opposite directions and crossing each other edgewise thereof to form an angular throat between them for receiving the cutting edge of a razor.

1,556,200. SHOVEL. FRANCIS C. BRANDENBURG, Piqua, Ohio, assignor to The Wood Shovel and Tool Company, Piqua, Ohio, a Corporation of Ohio. Filed Jan. 17, 1921. Serial No. 437,763. 4 Claims. (Cl. 148—31.)

1. In heat-treated steel shovel having a straight cutting edge, the heat-treated metal in said shovel being substantially free from stresses produced by cold working.

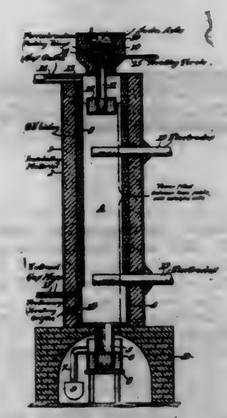


1,556,201. APPARATUS FOR DETERMINING THE TORSIONAL OSCILLATORY STRENGTH OF MATERIALS FOR ENGINEERING. ADOLF BUSEMANN, Brunswick, Germany. Filed Mar. 1, 1924. Serial No. 696,329. 6 Claims. (Cl. 265—1.)



1. A device for determining the torsional oscillatory strength of test rods, comprising in combination, means for fixedly securing one end of a test rod, means for preventing the rod from bending, a weight adapted to be fixed to the free end of the rod, so that the rod and weight form a system capable of oscillation, mechanical means for exerting on said system periodic impulses in resonance with the period of natural oscillation of said system, and means for controlling the amplitude of oscillation of said system.

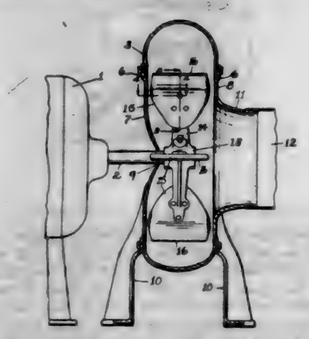
1,556,202. PROCESS OF FIXING NITROGEN. JOHN COLLINS CLANCY, New York, N. Y. Filed July 18, 1922. Serial No. 575,767. 13 Claims. (Cl. 23—80.)



2. In a continuous process of fixing nitrogen the step comprising, subjecting a flowing body of molten alkali metal compound to the action of a gas current comprising a carbonaceous gas and nitrogen in a reaction zone wherein the reactants are made to contact with packing units composed of high melting point nitrogen containing bodies capable of both splitting off and combining with nitrogen at reacting temperature during the operation of the process, supplying molten alkali metal compound to said zone through a liquid sealed inlet, and withdrawing the molten reaction product from said zone through a liquid sealed outlet while maintaining said nitrogen containing packing units in said zone.

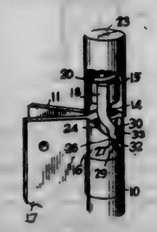
13. In a process of fixing nitrogen the step comprising establishing and maintaining a counter current flow of molten alkali metal compound and gas comprising nitrogen and a hydrocarbon through a fixed porous catalytic body comprising separate zone containing tantalum, nitrid, chromium nitrid, thorium nitrid, titanum nitrid and manganese nitrid, at reacting temperature.

1,556,203. EXHAUST FAN. HARRY R. CLARAGE, Kalamazoo, Mich. Filed Apr. 3, 1924. Serial No. 703,953. 3 Claims. (Cl. 230—11.)



1. In a fan, the combination of a housing comprising a main body member having a tangential discharge and opposed side openings, a side wall, an inlet member having an inwardly expanding inlet of Venturi-like curvature, said side wall and inlet members being interchangeably mounted in said side openings, a shaft disposed through said side wall, a fan wheel comprising a hub having arms, and ovately-shaped blades mounted on said arms with their smaller ends disposed inwardly, their outer ends being forwardly curved, their side edges having forwardly curved flanges, the ends of which merge into the ends of said blades both at the outer forwardly curved ends thereof and at points adjacent their inner ends.

1,556,204. COMBINED DOOR HINGE AND CHECK. ABRAHAM M. COHEN, New York, N. Y. Filed Mar. 31, 1925. Serial No. 19,572. 12 Claims. (Cl. 16—50.)



1. In a combined door hinge and check, a stationary, solid hinge pintle, a hinge cylinder rotatably mounted on said pintle and operatively connectable to a door, ends on said pintle projecting outside of said cylinder, means for preventing relative longitudinal movement of said pintle and said cylinder, a cylindrical cam edge on said

cylinder, and a slide mounted for axial reciprocatory movement only on said ends of said pintle, spring-pressed into engagement with said cam edge for continuously rotating said cylinder to a predetermined position, for checking the rotative movement of said cylinder at said position, and for continuing the rotative movement of said cylinder beyond said position.

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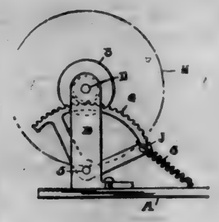
1,556,205. ROLL-PAPER-DISPENSING APPARATUS. WILLIAM B. COLLINS, Ben Avon Borough, Pa. Filed Mar. 15, 1923. Serial No. 625,315. 4 Claims. (Cl. 211—31.)



1. In apparatus for dispensing sheets of paper of equal length from a parent roll, the combination of a support, a mandrel journaled in said support and rotating on a fixed axis, and upon which the roll of paper is mounted, a gear rigidly mounted on one end of said mandrel, a toothed sector rotatably mounted on said support and in mesh with said gear, and a finger extending from said sector and brought into engagement with the perimeter of the roll by the unwinding movement whereby the length of paper unwound is governed by the diameter of the roll of paper.

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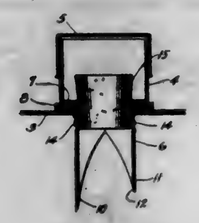
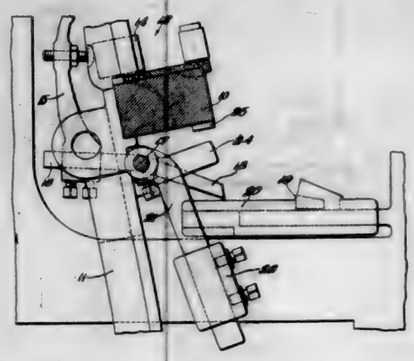
1,556,206. DETACHABLE CAN SPOUT AND OPENER. ROY N. DICKEY, Seattle, Wash., assignor to Meets-A-Need Manufacturing Co., a Corporation. Filed Apr. 26, 1923. Serial No. 634,747. 2 Claims. (Cl. 221—23.)



1. A device of the class described comprising a pouring spout with a tubular mounting shank of substantially lesser diameter joining the spout in an annular shoulder and terminating in two oppositely disposed piercing points adapted to make an opening for the shank in the wall of a container to which the device is applied; said shank being exteriorly threaded adjacent the spout for application to the container opening forming by the piercing points as a ments for tightening the said annular shoulder against the can wall and being interiorly threaded to receive and retain a stopper therein.

1,556,207. SHUTTLE-BOX TENSION-CONTROLLING MECHANISM FOR LOOMS. CLARE H. DRAPER and JONAS NORTHROP, Hopedale, Mass., assignors to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Dec. 8, 1924. Serial No. 753,611. 11 Claims. (Cl. 139—187.)



1. Shuttle box tension controlling mechanism for looms having, in combination, a lay, a shuttle box, a binder, a dagger shaft on the lay, binder fingers on the dagger rod, and an inertia arm on the dagger rod provided with a weight below the dagger rod.

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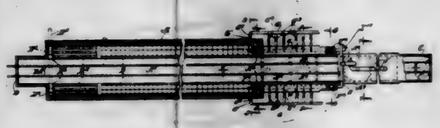
1,556,208. SALT GLAZING AND KILN FOR SAME. CONRAD DRESSLER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed May 17, 1920. Serial No. 382,002. 11 Claims. (Cl. 25—142.)



1. The method of glazing ceramic ware which consists in moving the ware through an elongated kiln chamber, cooling an exit end portion of the kiln chamber and heating other portions thereof as required to glaze fire and then cool the ware in its passage through the chamber, maintaining a reducing atmosphere containing a vaporized glazing agent in a high temperature glazing zone portion of the chamber.

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1,556,209. METHOD OF AND MEANS FOR HANDLING MATERIAL IN ANNEALING. PHILIP D'HUC DRESSLER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio, a Corporation of New York. Filed Sept. 21, 1923. Serial No. 663,949. 4 Claims. (Cl. 148—13.)

1. In subjecting bodies of sheet metal to heat treatment, the improvement which consists in piling the bodies in a horizontally laminated stack on a support



provided with an uprising post about which the bodies are stacked and by which the support and stack may be lifted and capping the stack with a weight whereby

the stack is compressed and the flat sides of the bodies are substantially protected against the action of the heated atmosphere to which they are subjected.

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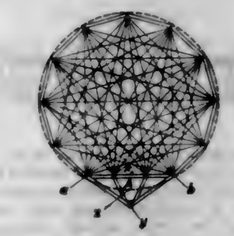
1,556,210. AIRSHIP. LUDWIG DÜRR, Friedrichshafen, Germany, assignor to the Firm Luftschiffbau Zeppelin, Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Filed Aug. 16, 1923. Serial No. 657,834. 3 Claims. (Cl. 244—3.)



1. A rigid airship, comprising a tubular rigid hull of substantially polygonal cross section, a reinforcing rigid keel of substantially polygonal cross section, said keel replacing a portion of the wall structure of said hull, and being situated partly inside and partly outside of said hull.

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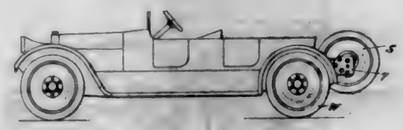
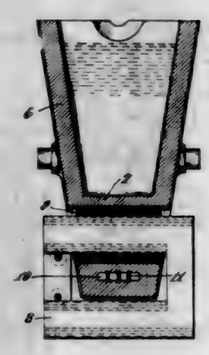
1,556,211. VEHICLE SUSPENSION AND STABILIZER. THOMAS J. FAY, Brooklyn, N. Y. Filed Jan. 24, 1922. Serial No. 531,325. 37 Claims. (Cl. 267—9.)



19. In a vehicle having a chassis frame part and an axle part, a suspension device between the said parts, an element having inherent inertia carried by said device and connected to one of said parts for operation thereby whereby relative movement between said parts will be resisted by the inertia of said element, and frictional means for resisting operation of the inertia element.

1,556,212. ELECTRIC FURNACE. CHARLES B. FOLEY, Bristol, Conn., assignor to Charles B. Foley, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 13, 1920. Serial No. 365,634. 13 Claims. (Cl. 204—64.)



12. An electric furnace comprising a receptacle adapted to hold a pool of molten metal, said receptacle having interior walls adapted to form a portion of the molten metal into a plurality of loops depending from the bottom of the pool.

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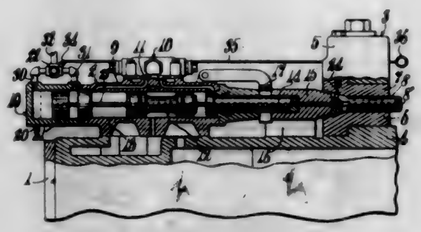
1,556,213. DRILL-SHARPENING MECHANISM. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 7, 1923. Serial No. 679,231. 16 Claims. (Cl. 76—5.)



1. In a drill sharpening mechanism, an upsetting mechanism, and a separate hole-opening mechanism arranged in alinement therewith.

11. The combination with a drill sharpening mechanism, of a plurality of separate alined motors adapted to act on a hollow drill steel.

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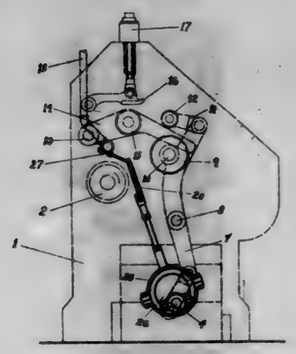
1,556,214. HIDE-PROTECTOR ATTACHMENT FOR FLESHING MACHINES. OLIVER GERRISH, Benicia, Calif., assignor to Kullman, Salz & Co., San Francisco, Calif., a Corporation of California. Filed Nov. 17, 1924. Serial No. 750,257. 7 Claims. (Cl. 149—14.)

1. In combination with a fleshing machine including a fleshing cylinder, means for receiving a hide to be

fleshed and for feeding the same to the cylinder, means for moving the hide receiving and feeding means into and



from operative position relatively to the fleshing cylinder, a hide protecting guard, and means for moving the guard to overlie the cylinder.

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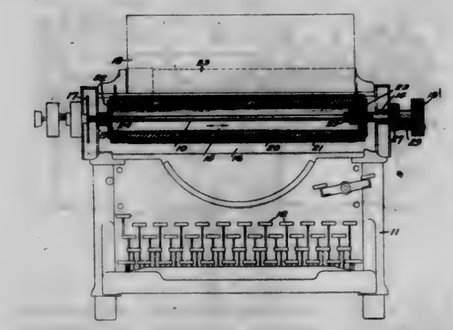
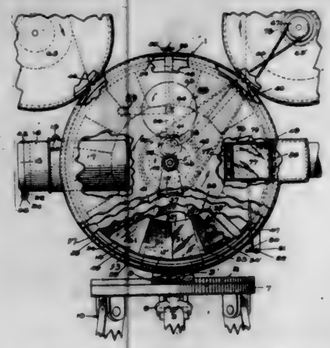
1,556,215. ADJUSTING DEVICE FOR TYPEWRITERS. CAMERON GIRTON, Berkeley, Calif. Filed July 29, 1924. Serial No. 728,861. 4 Claims. (Cl. 197—146.)



1. In a printing device, a type printing mechanism, a frame movable step by step relative to the mechanism, for moving a sheet into proper position to be operated on by the mechanism, a roller for supporting the sheet, a shaft supporting the roller on the frame and means for adjusting the roller axially on the shaft, comprising a hollow screw mounted coaxially on the shaft and threadedly engaging the roller.

1,556,216. PHOTOGRAPHIC AND PROJECTING INSTRUMENT. GRAVES GRIFFITH, San Francisco, Calif. Filed Nov. 13, 1924. Serial No. 749,580. 14 Claims. (Cl. 88—16.6.)



1. In a photographic instrument of the character described, a revoluble reflective system comprised of a plurality of reflective elements contiguously and annularly arranged, the reflective faces of which are of opposite and alternate disposition.

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1,556,217. MOVABLE SECONDARY RAY DIAPHRAGM. WILBER E. HAMILTON, Seattle, Wash. Filed Dec. 12, 1921. Serial No. 521,754. 1 Claim. (Cl. 250—84.)

In a tray for taking X-ray pictures or the like having a movable screen with a plurality of parallel impenetrable strips extending transversally and arranged alternately with penetrable, a curved aluminum plate which follows the curvature of the screen, a short distance above the screen, rollers at the edges of the screen upon which it is supported, other rollers attached to the edges of the screen and bearing against the inner sides of the frame, an arm attached to the edge of the screen and to an eccentric, means for rotating the eccentric, and a pilot light for notifying the operator as the screen reaches the opposite side.

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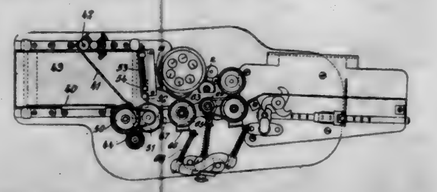
1,556,218. MACHINE FOR MARKING OR CANCELING MAIL MATTERS. GUSTAV ADOLF HANSEN, Christiania, Norway. Filed Aug. 2, 1923. Serial No. 655,182. 5 Claims. (Cl. 101—236.)



1. In combination, a rotary stamping device, having a fixed axis of rotation, means to continually feed a series of letters to the stamping device, means to hold the stamping device positively arrested during variable periods of the feeding, means to release the said arresting device at a given moment during the feeding of the letter, the means for arresting the stamping device comprising a spring actuated clutch member and a member actuated by the moving letters, said last named member controlling the clutch and serving to effect positive engagement and disengagement of the clutch member.



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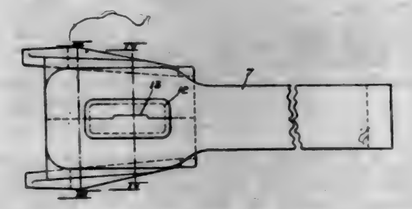
1,556,219. FORGED DRAWBAR YOKE. SOREN HANSSON, Butler, Pa., assignor to John H. Allman, trustee, Butler, Pa. Filed Aug. 13, 1924. Serial No. 731,849. 7 Claims. (Cl. 213—70.)



1. A yoke for draft rigging and the like, comprising a body portion having side members, and a head portion composed of two sections each fastened to said side members and having interlocking relation with the other.

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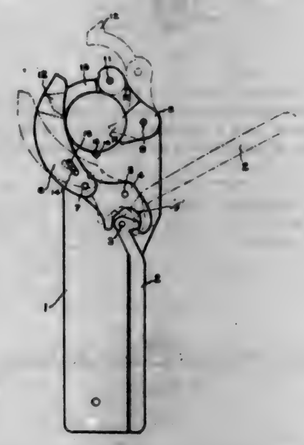
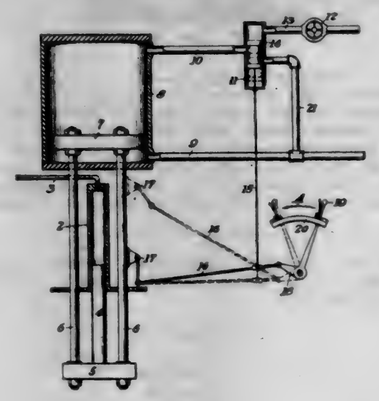
1,556,220. WRENCH FOR PIPE AND TOOL JOINTS. RICHARD DENNIS HILL, Wichita Falls, Tex., assignor to E. B. Zittel, Burkburnett, Tex. Filed Dec. 16, 1922. Serial No. 607,337. 2 Claims. (Cl. 81—66.)



1. A wrench comprising two series of pivoted clamping members, cam acting means for opening and closing said clamping members, and means for engaging the free ends of said clamping members.

1,556,221. VALVE GEAR FOR INTENSIFIER CYLINDERS. LARS JOHNSON, Ingram, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 31, 1924. Serial No. 759,057. 9 Claims. (Cl. 138—16.)



1. An intensifier, comprising an intensifier cylinder, an actuating cylinder therefor, and means for normally maintaining steam pressure in opposite ends of said actuating cylinder, substantially as described.

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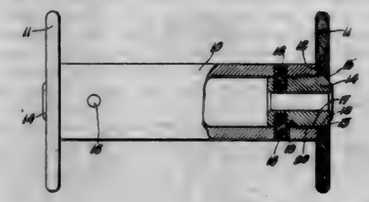
1,556,222. SPOOL. WARREN N. KING, Greenville, S. C., assignor to Shambow Shuttle Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed Jan. 30, 1925. Serial No. 5,742. 1 Claim. (Cl. 242—118.)



A spool or bobbin having a barrel provided with a round end and with a concentric hole therethrough, a head provided with a round recess on its inner side to receive the barrel end, and with a conical recess on its outer side, a bushing having a cylindrical portion to be received in the hole in the barrel, and a conical portion to be received in the hole in the head, a metal ferrule having similar cylindrical and conical portions, the ferrule and barrel being provided with co-operating projections and recesses to hold them from longitudinal movement with respect to each other, the end of the ferrule being mushroomed or flattened out on the surface of the head to hold the head securely on the bushing, the conical portion of the ferrule being provided with corrugations to prevent rotational movement between it and the head, and dowel pins for uniting the bushing and the barrel.

1,556,223. ORNAMENTAL CHAIN. GEORGE KOLLSTEDE, Providence, R. I. Filed Aug. 4, 1925. Serial No. 48,046. 1 Claim. (Cl. 59—79.)

In a device of the type specified, a series of hollow connected units provided with openings in their ends, slidable connecting plates in the units extending through the openings, flanges upon the corresponding ends of the plates, compressible tongues upon the opposite ends of the plates, the units being provided with holes in substantial alignment with the tongues, and springs engaging the flanges and the adjacent ends of the units.

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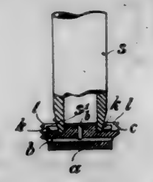
1,556,224. VALVE. ALFRED KLOTZ, Munich, Germany. Filed Dec. 11, 1924. Serial No. 755,150. 2 Claims. (Cl. 251—55.)



2. In a plug valve of the character set forth, operable by an independent, detachable tool, in which the relative displacement of the plug is caused solely by friction between it and the tool, means for preventing injury to the cooperative valve parts by excess operation of the plug, which comprise in combination with a rotatable tapered air supply nozzle presenting radially extending pins, a rotatable valve plug having an annular top groove and radial depressions merging into said top groove, said annular groove having a taper complemental to that of said nozzle, and the leading edges of said radial depressions slanting forwardly to form cam surfaces for engagement by said nozzle pins for causing them to ascend them upon the nozzle continuing its forward operative rotation after the plug has already become properly seated.

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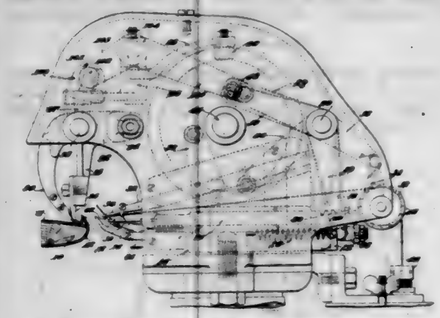
1,556,225. AUTOMATIC GUN. ALBERT KÜNG, Zurich, Switzerland, assignor to the Firm Werkzeugmaschinenfabrik Oerlikon, Oerlikon, Switzerland. Filed May 25, 1925. Serial No. 32,626. 3 Claims. (Cl. 89—1.)

1. In an automatic gun, in combination, a barrel provided with longitudinal ribs, a breech, a casing surrounding said barrel and rigidly connected to said breech, a recoil spring enclosed in said casing and operatively connected to the latter whereby the casing is adapted to carry out a reciprocating movement relatively to the barrel when the gun is fired, and a ring fixed to said barrel intermediate of the ends of said casing and substantially filling up the free cross-section between barrel and casing and acting as stationary piston to the reciprocating casing which acts as an air pump for renewing the air surrounding the barrel and increasing the cooling action.

1,556,226. THREAD-HANDLING MACHINE. FRED N. LA CHAPELLE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 11, 1921. Serial No. 460,531. 9 Claims. (Cl. 112—32.)



1. A thread fastening machine comprising an eye needle having a cutting edge designed to form a tongue in the work, means for actuating the needle to pass a loop of thread through the work, means for severing the thread, and means for compacting the loop of thread in the work.

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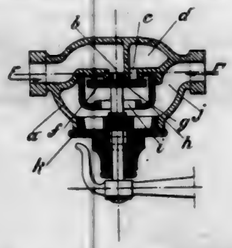
1,556,227. COCK FOR HOT AND COLD WATER WITH A SINGLE DOUBLE-ACTING VALVE. JULIEN ALBERT LEMÉTAIS, Paris, France. Filed Feb. 13, 1925. Serial No. 9,014. 3 Claims. (Cl. 251—106.)



1. In a cock for cold and hot water, a central conduit for admission of hot water, a conduit for admission of cold water, and a conduit concentric with said central conduit to conduct the waters into a mixing chamber.

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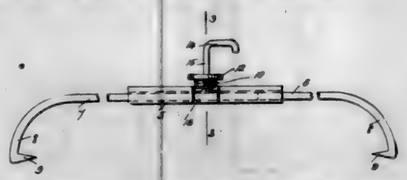
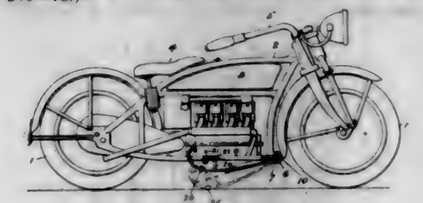
1,556,228. PARCEL CARRIER. JOHN MERIWEATHER LEWIS, Watsonville, Calif. Filed May 19, 1925. Serial No. 31,293. 2 Claims. (Cl. 294—16.)



1. A carrier, comprising a guide, bars supported by the said guide and provided with means for engaging with an article, one of the said bars being slidable longitudinally in the said guide, a locking screw screwed into the guide and bearing on the slidable bar and provided with a central hole and a socket, and a carrying handle provided with a shank which is swivelled in the said hole and socket.



1,556,229. STABILIZER FOR TWO-WHEEL VEHICLES. CHARLES F. LEONARD, U. S. Army. Filed Dec. 18, 1922. Serial No. 606,608. 21 Claims. (Cl. 208—75.)



1. A stabilizer for motorcycles, comprising runners carrying footboards one or both of which adapted to be brought into contact with the ground, means for retracting the boards and runners, and means for retaining the boards in their retracted position.

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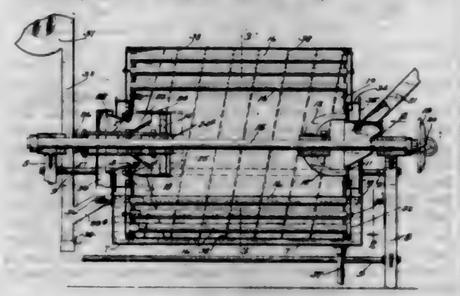
1,556,230. COFFEE-COOLING MACHINE. LUCIUS H. LISK, Minneapolis, Minn. Filed Aug. 2, 1924. Serial No. 729,701. 15 Claims. (Cl. 34—5.)



7. A cooler of the kind described comprising a tank adapted to contain water, a drum having tubes with ends opening at the outer sides of its heads and arranged to be moved through the water of the tank under rotation of the drum, means for introducing material into one end of said drum, means for discharging the material from the other end of the drum, said means at the discharge end of the drum comprising a spider bracket and a cylindrical gate telescopically movable thereon, the said cylindrical gate and spider bracket affording an open air passage, and a screen closing said air passage against the passage therethrough of the cooled material but permitting the flow of air.

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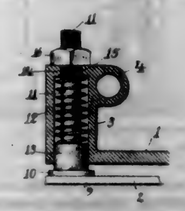
1,556,231. SHUTTLE CHECK. HOMER F. LIVERMORE, Boston, Mass. Filed July 12, 1924. Serial No. 725,563. 1 Claim. (Cl. 139—185.)



A shuttle check for looms comprising a binder bar having a chambered boss at its outer end, said boss having an eye for receiving the pivotal stud for the bar, a bolt having a head located within and snugly slidable in said chamber, a helical spring mounted on said bolt between said head and the opposite end of the chamber, friction means attached to said head, and a nut turning on the end of said bolt exterior to the boss.

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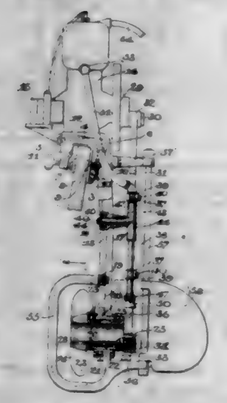
1,556,232. OUTBOARD MOTOR. ARTHUR J. MACHEK, Milwaukee, Wis. Filed Aug. 11, 1922. Serial No. 581,112. 7 Claims. (Cl. 115—17.)



1. In an outboard engine, the combination with the engine including a drive member provided with a crank, of a propeller shaft having a crank, an oscillatory and slidable transmission member to operatively connect said cranks, and a water pump carried by said transmission member and operated by the movements thereof.

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1,556,233. FASTENER. HERMAN C. MAISH, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 27, 1923. Serial No. 659,669. 10 Claims. (Cl. 296—135.)

9. An article of manufacture comprising a sheet of flexible material having a flange at one edge, trimming material extending over one face of the sheet and folded around the flange, and a fastener projecting from another face of the sheet.

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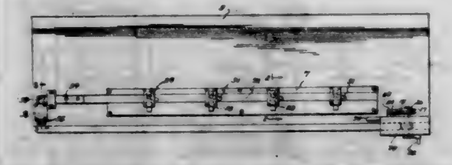
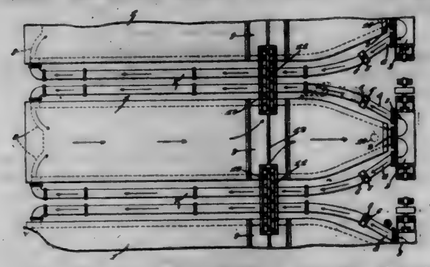
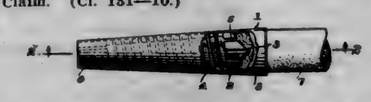
1,556,234. WEATHER-STRIP-ASSEMBLING MACHINE. HERMAN C. MAISH, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 8, 1923. Serial No. 667,424. 30 Claims. (Cl. 29—84.)

1. In a machine of the class described, a support for molding, means for separating portions of the molding to receive a portion of a weather strip, and means for moving the portion of said strip between the separated portions of said molding.

1,556,235. BLEACHING MACHINE. ALBERT D. MERRILL, Watertown, N. Y., assignor to Stebbins Engineering & Mfg. Co., Watertown, N. Y. Filed June 10, 1922. Serial No. 567,296. 1 Claim. (Cl. 8—18.)



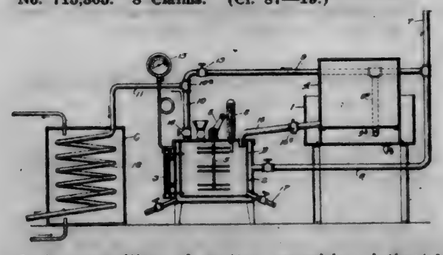
A bleaching apparatus including a plurality of tanks, a propeller communicating with one end of each tank, means for directing fluid from each propeller to the other end of its tank, thereby to set up a circulation of fluid in each tank independently of the circulation of fluid in another tank, means for directing fluid under pressure into the line of flow of the fluid in each tank, and means for conducting overflow from the circulating fluid in one tank to the circulating fluid in an adjoining tank.

1,556,236. NICOTINE-ABSORBENT CIGARETTE HOLDER. ALBERT M. MIRLER, San Francisco, Calif., assignor of one-half to Lewis O. Griffith, San Francisco, Calif. Filed Mar. 26, 1924. Serial No. 701,904. 1 Claim. (Cl. 131—10.)



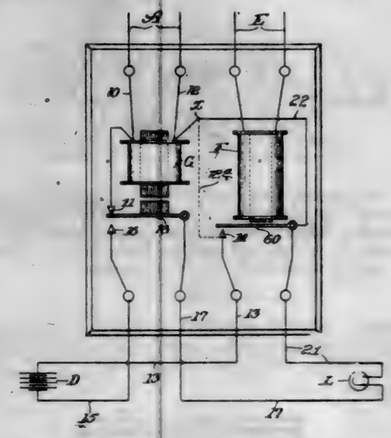
In a device of the character described, a casing comprising a cone-shaped body-portion, a mouth-piece and an extension fashioned to receive and retain a cigarette, a complementary-shaped absorbent core having thereabout a spiral groove and formed to fill the interior of said body-portion of said casing, the walls of said spiral groove in combination with a spiral section of said casing forming a continuous spiral passage from end to end of said absorbent core, a plurality of ducts leading from either extremity of said absorbent core into said spiral groove at varying distances, and a conically-formed centrally located projection carried by the forward end of said absorbent core and adapted to receive and expand the end of a cigarette when inserted.

1,556,237. ROSIN COMPOUND AND PROCESS FOR PRODUCING SAME. HERBERT S. MILLS, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed May 23, 1924. Serial No. 715,305. 8 Claims. (Cl. 87—19.)



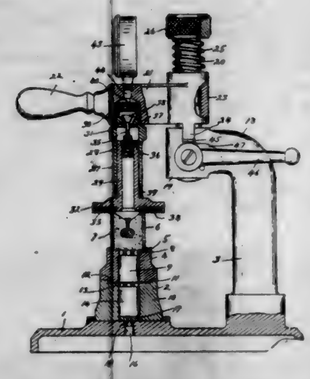
1. A composition of matter comprising intimately blended rosin and gum sandarac in a volatile solvent, the former comprising more than eighty per cent of the combined weight of said ingredients.

1,556,238. SIGNALING APPARATUS. SAMUEL MIKELLY, Chicago, Ill., assignor to Bryant Zinc Company, Chicago, Ill., a Corporation of Illinois. Filed May 7, 1925. Serial No. 28,711. 6 Claims. (Cl. 246—191.)



2. Apparatus of the character described comprising; a normal electric circuit; a signaling device in series with said circuit; a reserve circuit having a source of electric energy therein, said signaling device also being in series with said reserve circuit; a train approach switch in series with said reserve circuit and also in series with the normal circuit, said train approach switch being normally open; means operated by the approach of a train for closing said train approach switch; a current failure switch in said reserve circuit, normally open; and means operated by failure of the normal current for closing said current failure switch.

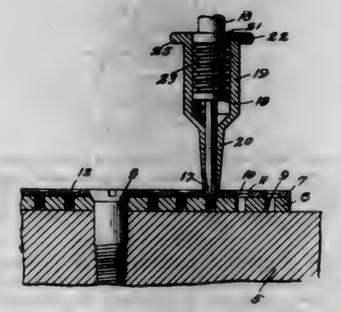
1,556,239. CASTING MACHINE. THOMAS A. MIXON, Detroit, Mich. Filed Feb. 18, 1924. Serial No. 693,599. 35 Claims. (Cl. 22—69.)



1. In a casting machine, the combination with a flask, of means for supplying air under pressure to the flask, including a valve casing having a head adapted to seat upon the flask, and a support for the casing mounted to move horizontally and vertically whereby the head may be moved over the flask and dropped to seat upon the flask.

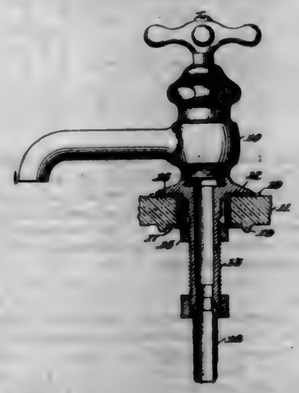


1,556,240. HANDLING DEVICE. JAMES T. MORRISSEY, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Oct. 25, 1923. Serial No. 670,805. 3 Claims. (Cl. 206—1.)



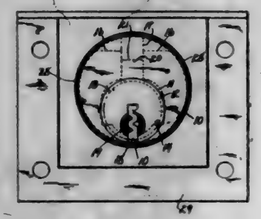
1. A device for the handling of screws or the like, comprising a plate with a plurality of openings, each opening having an internal bore, and an external bore of larger diameter, and a shelf between the bores.

1,556,241. LOCKING WASHER AND SANITARY FLANGE GASKET FOR BASIN COCKS. PHILIP MUELLER, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Nov. 23, 1921. Serial No. 517,296. 5 Claims. (Cl. 285—30.)



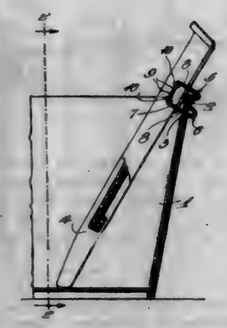
4. The combination of an apertured support, a flanged fixture having a threaded shank projecting through said aperture, a gasket of yielding material between the flange of the fixture and the support, a resilient lock washer on the shank of the fixture on the other side of the support from the flange, means for holding the washer against rotary movement, and a lock nut threaded to the shank and engaging the washer to force it longitudinally of the shank against the support and compress the gasket.

1,556,242. PIN-TUMBLER LOCK. JAMES J. MURPHY, Terryville, Conn., assignor to The Eagle Lock Co., Terryville, Conn., a Corporation. Filed Dec. 8, 1923. Serial No. 679,299. 3 Claims. (Cl. 70—46.)



1. In a sliding tumbler-lock, the combination with the lock-structure and the tumblers thereof, of a special key-obstruction forming a part of the fixed lock-structure, a key cut to align the tumblers when the key is fully inserted and also having a special cut to co-act with the said special key-obstruction which is constructed and positioned to prevent the revolution of the key except when the same is fully inserted into the lock when its special cut is brought into alignment with the said special obstruction.

1,556,243. CLOTHES-WASHING EQUIPMENT. BENJAMIN E. MUSSER, Bellingham, Wash. Filed Mar. 27, 1924. Serial No. 702,401. 3 Claims. (Cl. 68—29.)

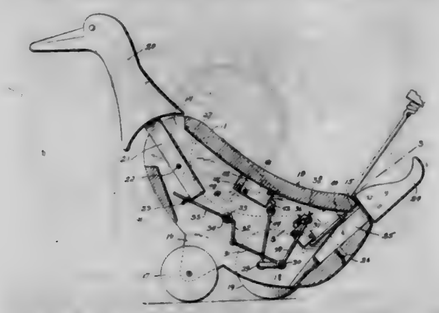


3. In combination, a wash tub having a bead at its upper edge and a pair of horizontally spaced openings, the upper edges of which are formed by said bead, a wash board and means carried by said board adapted for insertion through said openings and engagement with said bead to hold said board against lateral sliding movement.

1,556,244. TOY ANIMAL. JOHN T. NAUSS, Joliet, Ill. Filed Aug. 28, 1924. Serial No. 733,724. 3 Claims. (Cl. 46—45.)

1. A toy of the character described formed to provide a hollow body, the body at its forward end being provided with a vertically disposed slot and at its rear end with a horizontally disposed slot, wheels upon which the body is mounted and having a crank shaft, a head, a neck having a shank extending into the hollow body through said vertically disposed slot and pivoted thereon, means connected to the crank shaft for oscillating the head in a vertical plane, wings mounted upon the sides

of the body for oscillation, means connected to the crank shaft for oscillating said wings, a tail having a portion disposed within the body and extending out through the



horizontally disposed slot in the rear end of the body, the tail being pivoted for lateral oscillation, and means operatively connected to the crank shaft for laterally oscillating the tail.

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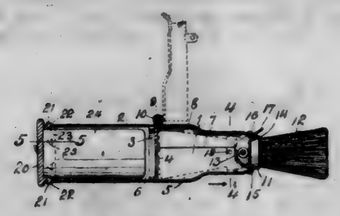
1,556,245. SHAVING BRUSH AND SOAP HOLDER. JOHN S. NEWLON, Butler, Mo. Filed Sept. 1, 1922. Serial No. 585,663. 2 Claims. (Cl. 15—185.)



1. A shaving brush comprising a tubular body having an open end and a lateral opening communicating therewith and having adjacent to said open end an arcuate groove, a partition dividing said body into two compartments, one of which communicates with said opening, a bristle supporting member pivoted to said body so as to be swung through said opening from a position in which the bristles will be disposed in said body to a position in which the bristles will project from said open end, said member having a peripheral flange adapted to be sprung into said groove, when the bristles are in the last named position, and a cover hinged to said partition and adapted to close said opening.

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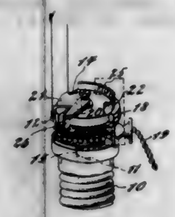
1,556,246. LAMP SOCKET WITH TIMING DEVICE. CHARLES F. NORDEN, New York, N. Y., assignor to Henry Hyman & Co., Inc., a Corporation of New York. Filed Nov. 16, 1922. Serial No. 601,209. 4 Claims. (Cl. 200—122.)

2. In a thermostatically controlled lamp socket switch for use in a main circuit including a lamp, a main switch for said main circuit having a main switch member arranged to be moved step by step around an axis to alternately close and to open said switch, an oscillating member arranged to swing around said axis and to move said main switch member one step for each oscillation of said oscillating member, a shunt circuit around said main switch, said circuit including a shunt switch element arranged to oscillate on said axis and a thermostatically controlled latch, said shunt switch element having a bias away from said latch and adapted to be engaged thereby, and connection between said oscillating member and said shunt switch element to move said element into position to be held by said latch when said oscillating member



moves said main switch member into closed position, said shunt circuit being arranged to heat said thermostatically controlled latch to cause it to operate to release said element only when said main switch is open.

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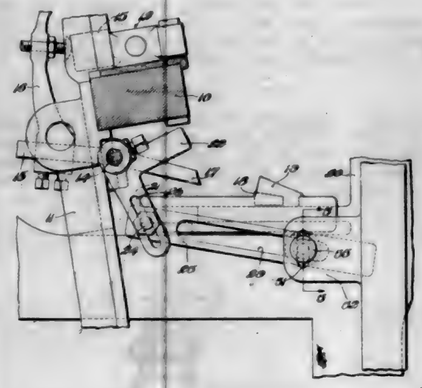
1,556,247. SHUTTLE-BOX TENSION-CONTROLLING MECHANISM FOR LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Dec. 1, 1924. Serial No. 753,017. 2 Claims. (Cl. 139—187.)



1. Shuttle box tension controlling mechanism for looms having, in combination, a lay, shuttle boxes on the lay, binders for the boxes, means for applying pressure to the binders, and friction means acting during forward movement of the lay to increase the shuttle tension, and during rearward movement of the lay to decrease the shuttle tension.

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1,556,248. LENS-CLEANING PROCESS. CLARENCE H. OHLWILER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Dec. 20, 1920. Serial No. 432,141. 8 Claims. (Cl. 141—1.)

2. The process of cleansing lenses from a blocking compound consisting in subjecting the lenses to a heavy coal tar distillate solvent bath and to a second acid solvent bath which will remove the composition formed by the first solvent, and removing the second solvent through the use of a final water bath.

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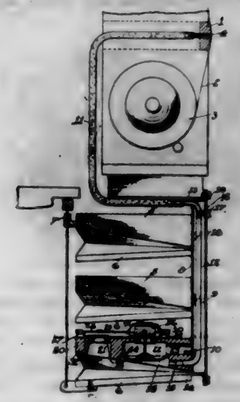
1,556,249. PNEUMATIC-PIANO CONSTRUCTION. CLAUS E. PETERSON, Worcester, Mass. Filed Aug. 25, 1922. Serial No. 584,287. 7 Claims. (Cl. 84—58.)

1. In a pneumatic player action, a rear wall and cover plate comprising a vacuum chamber, a plurality



of actuating pneumatics having tracker-bar connections, said tracker-bar connections inclosed in said vacuum



chamber, bleeds in said connections, and individual means of access in the cover plate of said vacuum chamber to said bleeds.

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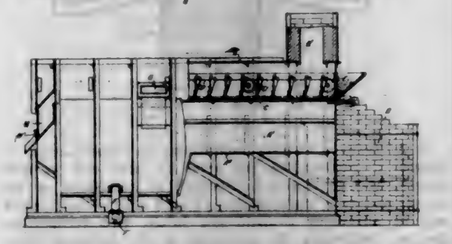
1,556,250. PROCESS OF AND APPARATUS FOR USE IN DRYING ORES, CONCENTRATES, AND OTHER GRANULAR MATERIALS. GILBERT RIGG, Melbourne, Victoria, and WILLIAM J. MCBRIDE, Broken Hill, New South Wales, Australia. Filed July 11, 1922. Serial No. 574,218. 7 Claims. (Cl. 34—25.)



7. Apparatus for drying ores and other granular materials comprising a chamber having a rotating screen mounted therein, the wet or damp material being fed into the interior of the said screen and hot gas being drawn through the said screen, characterized by the fact that the said rotating screen consists of an inner screen and an outer screen the space between which is filled with balls, pebbles, or other rounded materials the interstices between which are such as that damp or wet material is retained on the screen whilst dry material is permitted to pass therethrough.

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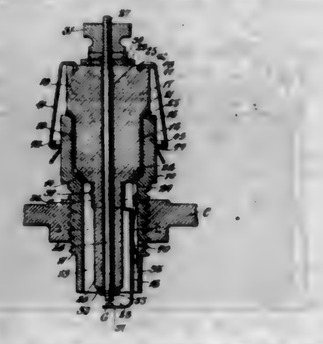
1,556,251. SPARK PLUG. HARRY SAMPSON, Long Beach, N. Y. Filed Feb. 1, 1924. Serial No. 689,954. 1 Claim. (Cl. 126—169.)

A spark plug comprising a shell or body member adapted for threading into a cylinder, a removable insulator core mounted therein, insulated and grounded electrodes carried by said core, a resilient conductor element carried by the shell or body member and engageable with the ground electrode when the core is seated in the shell, said shell and core each having a plurality of co-acting gasket seats, gaskets interposed between said seats and means engageable with the shell and core for holding the same in assembled relation, for clamping the gaskets in sealed relation to the seats and for positioning and retaining the grounded electrode in contact with the resilient conductor element, said means comprising a plurality of clips having hooked



terminals, keeper lugs projecting radially from the shell and notched portions in the core with which lugs and notches the hooked terminals of the clips engage.

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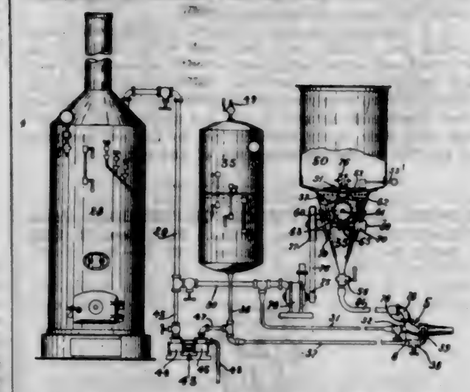
1,556,252. STEAM-OPERATED APPARATUS AND PROCESS FOR MIXING AND APPLYING PLASTIC AND OTHER MATERIALS. JOHN E. SHEPHERD, Charlottesville, Va. Filed July 5, 1923. Serial No. 649,634. 10 Claims. (Cl. 91—44.)



1. A process comprising supplying a stream of steam; and separately adding cementitious material and water to said stream.

4. In combination, a combined nozzle; a boiler; a steam conduit leading from the boiler and feeding steam to said nozzle; an air tight water pressure tank having a water conduit extending from its lower part and leading to said nozzle; a receptacle for dry material; and means for feeding the dry material into said nozzle.

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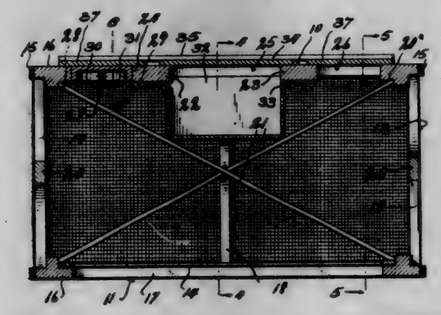
1,556,253. CIGAR LIGHTER. MILTON H. SHOENBERG, San Francisco, Calif. Filed Sept. 1, 1923. Serial No. 660,514. 7 Claims. (Cl. 219—32.)

1. In a cigar lighter, a heating element comprising a plurality of convolutions of resistance wire formed as a flattened helix with air spaces between the respective convolutions and air spaces between the flattened portions of the helix.

1,556,254. SHIPPING CAGE FOR BEES. HERMAN C. SHORT, Fitzpatrick, Ala. Filed Dec. 30, 1924. Serial No. 758,866. 8 Claims. (Cl. 6—9.)



4. A bee shipping cage having a top provided with three openings, a food compartment arranged beneath one of said openings, the second opening having its inner end screened from the remainder of the cage, the third opening communicating with the interior of the cage and separate closures for each of said openings, the second named opening being adapted for the reception of a queen bee cage and being of a size closely fitting the cage to be inserted therein.

7. A bee shipping cage including a skeletonic frame having top, bottom, side and end walls, said bottom, side and end walls being covered with screen mesh, said top and bottom each including end members and a plurality of transversely spaced diagonal braces each having their lower ends secured to the end members of the bottom and their upper ends secured to the end members of the top at the opposite ends of the cage.

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1,556,255. LOADING DEVICE FOR FIREARMS. JORGE GARAY Y SILVA, Mexico, Mexico. Filed Nov. 12, 1924. Serial No. 749,521. 5 Claims. (Cl. 42—89.)

1. In a device of the character described, a center piece having a plurality of substantially semi-circular openings formed on its periphery, a pair of substantially semi-circular members arranged around said center piece, said members being provided with openings on their inner faces adapted to operate with said semi-circular openings in said center piece, and means for moving said members with respect to said center piece.

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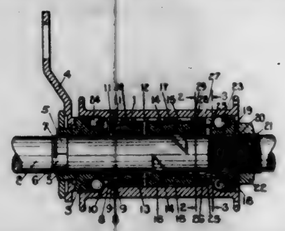
1,556,256. CLUTCH MECHANISM. CHARLES B. SIMMONS, Bristol, Conn., assignor to The New Departure Manufacturing Company, Bristol, Conn., a Corporation of Connecticut. Filed June 13, 1924. Serial No. 719,800. 4 Claims. (Cl. 192—6.)

1. In a device of the character indicated, a driven member, a driver therefor, a laterally shiftable connector having operative connection with said driver, and a separable clutch element slidable upon said driven member and in driving connection therewith and cooperating with said connector for driving said driven member, said



clutch element being free from contact with relatively stationary portions of the device; substantially as described.

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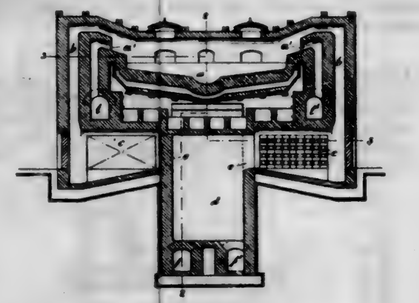
1,556,257. FURNACE. ALFRED SMALLWOOD, Highgate, London, England. Filed Oct. 4, 1921. Serial No. 505,414. 2 Claims. (Cl. 263—15.)



2. A furnace, which comprises, in combination, a hearth, a combustible gas inlet at each end of said hearth, and controlled to permit the admission of gas at one end only, flues located at each end of said hearth and in adjacency to said gas inlets, two recuperator devices, comprising the equivalent of the checkered brickwork type, arranged so that one communicates with the flues located at one end of the hearth, and the other communicates with the flues situated at the other end of the hearth, a recuperator system built up of a plurality of passages, with every alternate passage arranged in communication and isolated from its neighbor, to form two distinct sets of passages which are arranged so that each communicates at one end with one of the said recuperator devices, means whereby a source of fluid may be arranged in communication with the end of the passage away from the hearth of one set of passages, and a chimney stack arranged in communication with the similar end of the other set of passages, and means whereby the said passages may be interchanged with relation to the source of fluid supply and the chimney stack, and means whereby the gas inlet which is situated adjacent to that flue which is in communication with the chimney stack is maintained closed.

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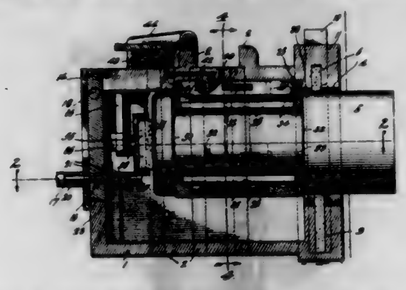
1,556,258. JOURNAL BOX AND BEARING. JAMES G. SMITH, Westwood, Ohio, assignor to James H. Smith, Westwood, Cincinnati, Ohio. Filed Nov. 14, 1923. Serial No. 674,779. 6 Claims. (Cl. 308—174.)

1. A journal bearing comprising hollow half sections hinged together at one side substantially at their parting line, said sections adapted to be brought together



and engaged about an axle, to provide a bearing therefor, the top section of said bearing having a longitudinally disposed slot therein, to provide for the radial introduc-



tion of roller bearings into the bearing and about the axle after said bearing has been attached thereabout, and means for locking the sections together.

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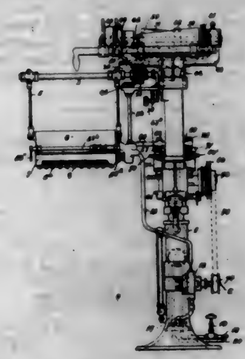
1,556,259. CHOCOLATE AND LIKE DEPOSITING AND COATING MACHINE. ASBJORN SONSTHAGEN, London, England. Filed Apr. 11, 1922. Serial No. 551,583. 7 Claims. (Cl. 107—27.)



3. A machine for coating or decorating sweetmeats, comprising a hopper moving horizontally in all directions, nozzles for the passage of the material from the hopper, a by-pass for the material from the nozzles to the hopper, a valve controlling the passage of the material to the hopper, a handle for controlling said valve, pressure producing means for the material in the hopper, said means being located in said hopper, a friction drive for said pressure producing means, means for adjusting the pressure between the friction surface of said drive, a handle for manipulating the hopper said handle controlling the action of the pressure producing means.

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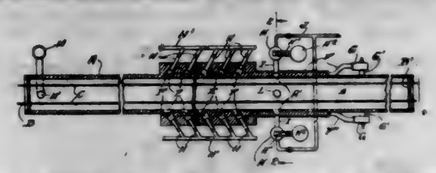
1,556,260. CONSTRUCTION AND OPERATION OF TUNNEL KILNS. ROBERT W. STEERE, Providence, R. I., assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed June 18, 1920. Serial No. 390,012. 8 Claims. (Cl. 25—142.)

1. The method of burning and surface finishing ceramic ware which consists in passing the ware through an elongated kiln chamber of a continuous tunnel kiln heated to first raise the ware to a maximum temperature and then to cool the ware as the latter is moved through the kiln chamber from one end to the other, and injecting a finely divided solid material into a high temperature portion of the kiln chamber to thereby produce surface markings on the ware and restricting



the dispersion longitudinally of the kiln out of said high temperature kiln portion of said solid material and the gases formed therefrom.

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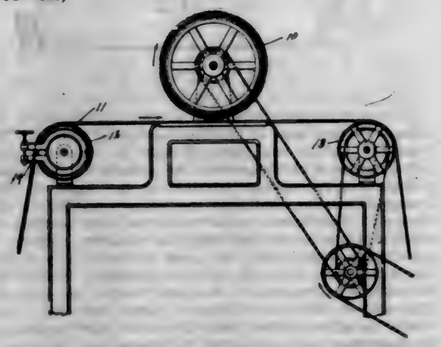
1,556,261. DULL-FINISH COATING AND THE PROCESS OF MAKING SAME. WILLIAM O. STODDARD, Jr., Madison, N. J., assignor to Duratex Corporation, Newark, N. J., a Corporation of New Jersey. Filed Dec. 12, 1919. Serial No. 344,416. 8 Claims. (Cl. 91—68.)



1. A coated material comprising a base and a nitrocellulose coating applied thereto, the surface of said coating being provided with a plurality of relatively slight abrasions.

6. The process of producing a dull finish coated fabric comprising applying a nitrocellulose coating to a suitable base and then providing the surface of said coating with a plurality of relatively slight abrasions.

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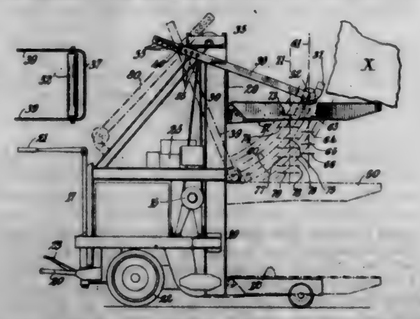
1,556,262. ELEVATOR AND ELEVATOR TRUCK. ALBERT WILLIAM STUBSTER, Carteret, N. J., assignor to United States Metals Refining Company, a Corporation of New Jersey. Filed Jan. 10, 1925. Serial No. 1,603. 12 Claims. (Cl. 214—95.)




1. An elevator comprising a platform, means for raising said platform, an ejector, and means coacting with

said platform during its rising movement adapted to cause said ejector to move across the face of said platform to eject the load thereon.

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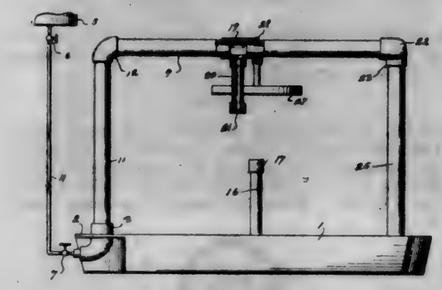
1,556,263. OIL BURNER. JAMES F. SUTTERFIELD, Goose Creek, Tex. Filed Mar. 1, 1924. Serial No. 696,263. 4 Claims. (Cl. 158—83.)



3. An oil burner comprising a pipe line having a U-shaped portion and a portion extending beneath the U-shaped portion and provided with an upwardly projecting nozzle directed between the arms of the U-shaped portion and in spaced relation to the bight of the U-shaped portion, said pipe line being provided in the arms and bight thereof with T's to the stem portions of which are connected depending oil receiving pockets, a spreader supported from the arms of the U-shaped portion and against which the gas generated in the U-shaped portion impinges to be spread thereby and brought into contact with said U-shaped portion and with said depending oil receiving pockets, one of said depending oil receiving pockets having its lower end extending below the level of the nozzle and a pan against which the lower end of said oil pocket engages, said pocket being connected with the bight portion of the U-shaped portion of the pipe line and forming a support therefor, the ends of the arms of the U-shaped portion having depending pipe portions, one of which is connected with the nozzle and the other of which is adapted for engagement with a source of supply, said depending pipe portions having engagement with the pan to thereby support the ends of the arms of said U-shaped portion.

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1,556,264. ARTIFICIAL BIRD TARGET. EDWARD E. THRESHER, Akron, Ohio. Filed Dec. 4, 1919. Serial No. 342,436. 7 Claims. (Cl. 124—16.)

1. An artificial bird target comprising a carrier casing, a sheave within the casing, a suspension wire connected at its ends to said casing above said sheave with the intermediate portion of said wire arranged beneath the sheave whereby said carrier is effectively braced to overcome lateral swaying and a bird target body connected to said carrier casing.

1,556,265. HAIR-WAVING HEATER. ERNEST UNGER, New York, N. Y. Filed May 24, 1923. Serial No. 641,036. 14 Claims. (Cl. 219—24.)

7. An electric heater including a support, a heating coil wrapped about the support, a layer of insulating material enclosing the coil, a metallic band encircling the layer to secure the coil in place, said band provided with means for connecting the same electrically with one end of the coil, and said band provided with easily securable means for connecting thereto an electric lead.

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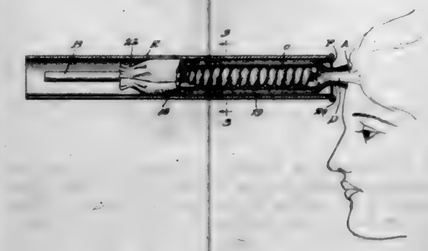
1,556,266. HAIR-WAVING DEVICE. ERNEST UNGER, New York, N. Y. Filed Jan. 18, 1924. Serial No. 686,968. 12 Claims. (Cl. 132—31.)



1. A unit for use in waving hair comprising a pad for enclosing a coiled strand of hair, said pad having an end portion for encircling a straight part of the hair strand adjacent the coil, a closing clip for crimping the portion into engagement with said part and a tube enclosing the coil and acting to secure the clip in place closing the tube.

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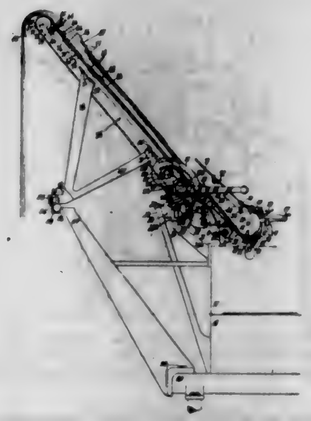
1,556,267. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 14, 1923. Serial No. 645,261. 15 Claims. (Cl. 197—126.)

1. In a typewriting machine, a rotatable platen, means for holding work-webs, having carbons interleaved therewith, for line-space feed with the platen, a table over which the composite web is fed toward the platen, a carbon-carrier on the table, to which the carbons are



connected at their rear, a belt connected to the carbon-carrier, pulleys for the belt at the front and rear of the table, a shaft to which one of the pulleys is



fast, a counter-shaft, step-up gearing connecting the shafts, and means for turning the gears to cause the belt to shift the carbon-carrier.

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1,556,268. LIGHT-WEIGHT AGGREGATE. GEORGE A. WALKLEY, Westfield, Mass. Filed Jan. 23, 1920. Serial No. 353,638. 5 Claims. (Cl. 106—35.)

1. The process of making a light weight aggregate, which consists in mixing clay and finely divided fuel into a plastic mass, forming the mass into separate units, partially drying such units sufficiently for stacking into a kiln, stacking the units into a kiln, and in then rapidly firing the kiln with an intense heat.

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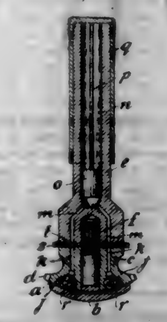
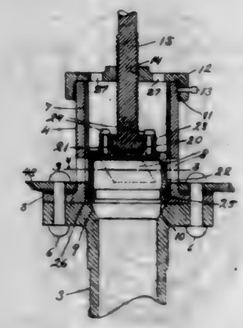
1,556,269. SHAVING APPARATUS WITH SUPPLY OF SHAVING LIQUID TO THE CUTTING EDGE. KAI WARMING, Copenhagen, Denmark. Filed Oct. 23, 1924. Serial No. 745,356. 7 Claims. (Cl. 30—12.)



1. A shaving apparatus comprising in its construction means including a cavity directly covered by the blade when secured in its place in the apparatus for supplying a liquid to the cutting edge of the said blade.

1,556,270. OUTLET VALVE FOR TANK CARS. HAL P. WELLS, Kansas City, Mo., assignor of one-third to Bird L. Swearingen, Kansas City, Mo. Filed May 21, 1920. Serial No. 383,140. 1 Claim. (Cl. 137—21.)



In an outlet valve for railway tank cars, a railway car tank, a hole in the bottom of said tank, a cylindrical casing extending through said hole into said tank, an annular flange integral with said casing and bearing upwardly against said tank, an outlet nozzle with an annular flange on the upper end thereof and bearing against the flange on said casing, rivets securing said flanges to said tank, an internal annular flange integral with said casing and approximately even with the bottom thereof and provided with an inverted frustrum shaped valve seat, ports extending through said casing laterally at some distance above said valve seat, a non-revolving trunk piston shaped valve in said casing with the open end downwardly disposed and provided with a companion inverted frustrum shaped valve seat, said valve closing said ports and resting on said frustrum shaped seats when closed and a screw threaded revolvable valve stem arranged to raise and lower said valve and to force said frustrum shaped seats in closed contact, so that in closing said valve said ports are first closed by the body of said valve and then said frustrum shaped seats are seated and in opening said valve said frustrum shaped seats are first separated and then said ports are opened.

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1,556,271. METHOD AND ANODE FOR ELECTRODEPOSITION OF RUST-RESISTING COATINGS. CHRISTIAN JOHN WERNLUND, Tottenville, N. Y., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Original application filed Jan. 5, 1924, Serial No. 684,506. Divided and this application filed July 6, 1925. Serial No. 41,866. 14 Claims. (Cl. 204—1.)

1. Method of electrodepositing a rust resistant deposit of cadmium and zinc which consists in electrodepositing these metals from a solution of their salts in an aqueous sodium cyanide-sodium hydroxide solution.

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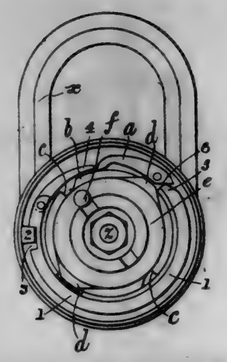
1,556,272. METHOD AND ANODE FOR ELECTRODEPOSITION OF RUST-RESISTING COATINGS. CHRISTIAN JOHN WERNLUND, Tottenville, N. Y., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Original application filed Jan. 5, 1924, Serial No. 684,506. Divided and this application filed July 6, 1925. Serial No. 41,867. 13 Claims. (Cl. 204—1.)

1. Method of electrodepositing a rust resistant deposit of zinc, cadmium and mercury which consists in electrodepositing these metals from a solution of their salts in an aqueous sodium cyanide-sodium hydroxide solution.

1,556,273. MAGNETO FOR INTERNAL-COMBUSTION ENGINES. DANIEL YELD WEBSTLEY, Ashford, England. Filed May 6, 1925. Serial No. 28,472. 8 Claims. (Cl. 123—149.)



1. A magneto for an internal combustion engine of the kind provided with an impulse starter having a catch with means actuated by reverse movement of the engine by which the catch is released for use.

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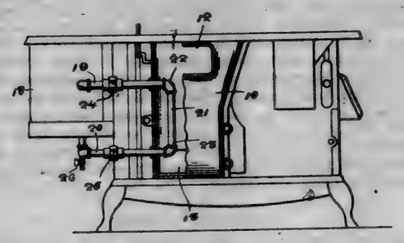
1,556,274. WATER HEATER. ELLIS HALE WILKINSON, Bristol, Va., assignor to Bristol Stove & Foundry Company, Inc., Bristol, Va., a Corporation of Virginia. Filed Nov. 19, 1923, Serial No. 675,739. Renewed Aug. 3, 1925. 2 Claims. (Cl. 126—34.)



1. In a device of the class described, a firebox, an oven at one side thereof, a chamber extending around the oven and having communication with the firebox, a smoke flue in communication with the firebox and with the upper and lower portion of the chamber, a reservoir, and pipes extending from the reservoir and connected therewith at different levels, said pipes extending into the flue, means in the flue connecting the pipes with each other, said means extending upwardly alongside a vertical wall of the oven, and a damper for diverting all products of combustion, from direct passage to the flue, into contact with the bottom of the oven and thereafter around the pipes in the smoke flue.

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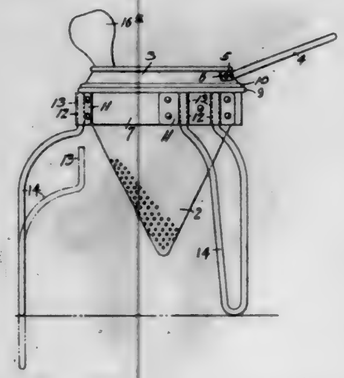
1,556,275. SUPPORT FOR STRAINERS. JOHN H. WILSON, New Kensington, Pa., assignor, by mesne assignments, to The Aluminum Cooking Utensil Company, New Kensington, Pa., a Corporation of Pennsylvania. Original application filed Apr. 6, 1922, Serial No. 550,093. Divided and this application filed May 31, 1924. Serial No. 717,024. 1 Claim. (Cl. 248—30.)

A stand comprising a collar upon which a strainer may rest, strap members secured to said collar and provided with pairs of circumferentially spaced sockets, and U-shaped legs of resilient wire or the like each having its free ends extending into a pair of sockets and bent outwardly toward its lower end, the ends of said legs which



seat within the sockets being sprung transversely of their axes to effect frictional contact with the walls thereof and the lower portions thereof being substantially vertical.

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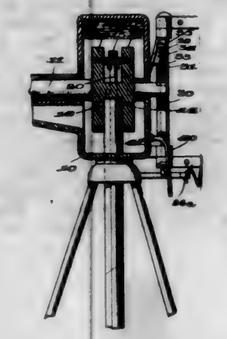
1,556,276. WINDMILL. JOHN H. WILSON, Mitchell, Nebr. Filed Oct. 1, 1924. Serial No. 740,999. 4 Claims. (Cl. 170—47.)



1. In a wind mill, a housing, a shaft rotatably mounted on the housing, a wind wheel fixed to one end of the shaft, a pair of cams fixed to that portion of the shaft which lies within the housing, said cams being spaced and having double cam grooves in their confronting faces, a lever fulcrumed on the housing and operating in between the cams, and a pair of followers pivotally mounted on the intermediate portion of the lever and operating in the grooves of the cams.

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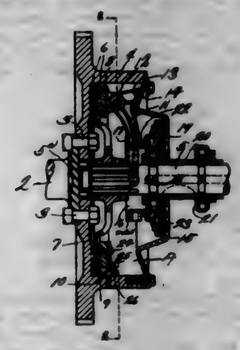
1,556,277. FRICTION CLUTCH. CLARENCE G. WOOD, Muncie, Ind. Filed June 9, 1922. Serial No. 567,108. 1 Claim. (Cl. 192—68.)

The combination with a disc clutch disposed within a casing, a thrust ring, an adjacent member with which the thrust ring cooperates, said thrust ring being guidable by lugs carried by the casing and disposed within recesses



in the thrust ring, of means for moving said thrust ring instantaneously out of engagement with the adjacent member upon a declutching operation, said means com-



prising leaf springs secured to the outer side of the thrust ring, said leaf springs curving radially outwardly, and inwardly and cooperating with the outer sides of the lugs.

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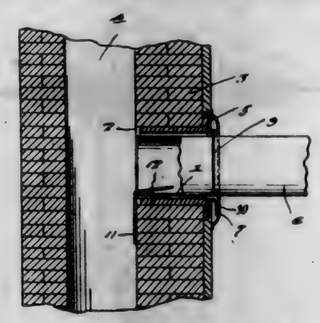
1,556,278. STOVEPIPE-SECURING MEANS. WILLIAM F. YORK, Grand Rapids, Mich. Filed July 30, 1924. Serial No. 729,128. 1 Claim. (Cl. 126—318.)



A stove pipe securing means including a sheet metal strip having its intermediate portion elongated for extending through the lateral opening of a chimney beneath the usual stove pipe mounted therein, the outer end of said strip being bent downwardly, said strip provided with openings adjacent the downwardly extending portion, a fastening wire extending through the openings, the inner end of said strip being slit, one portion of said slit end being disposed downwardly and the other portion being disposed upwardly and bent back over the strip.

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1,556,279. TOOL FOR FACILITATING THE ROLLING OF PNEUMATIC-TIRE INNER TUBES. GEORGE W. ALLEN, Indio, Calif. Filed May 27, 1924. Serial No. 716,250. 1 Claim. (Cl. 81—3.)

In a tool for facilitating the rolling of pneumatic tire inner tubes, a handle member, a pair of spaced parallel elongated fingers secured to said handle and between which the inner tube is adapted to be extended, a bolt fixed at one end to a portion of one finger and extending through the other finger, and a spring about said bolt for bearing against the finger through which the bolt projects for holding this last-mentioned finger normally parallel with the other finger.

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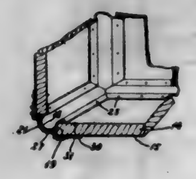
1,556,280. TRUNK. JOSEPH BERG, Brooklyn, N. Y. Filed Jan. 31, 1923. Serial No. 616,206. 7 Claims. (Cl. 190—37.)



1. In a container of the character described, in combination, adjacent walls spaced apart in angular relation at their edge portions, means for bridging the space between said walls secured to the inner surfaces of adjacent edge portions of the walls and having an arcuate portion in cross section located in the space between the walls, and means for reinforcing the bridging means secured to the outer surfaces of adjacent edge portions of said walls and having an arcuate portion in cross section conformably overlying the arcuate portion of the bridging means.

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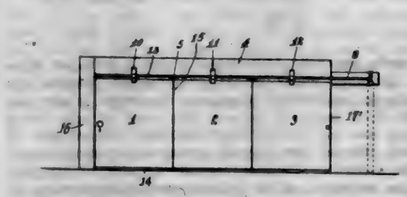
1,556,281. GARAGE DOOR. JOHN BOHNET, Hayward, Calif. Filed Jan. 18, 1923. Serial No. 613,447. 3 Claims. (Cl. 20—20.)



1. A sliding door comprising a plurality of panels, a supporting roller for each panel, a track on which said rollers operate, hinges secured to the upper and lower edges of contiguous panels having a plate pivotally connected to the edge of one panel and having a slidable connection with a holding device on the opposite panel edge, said sliding connection being substantially along the edge of the panel.

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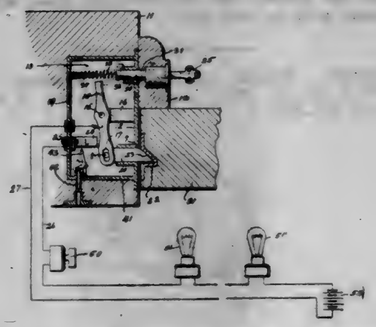
1,556,282. CIRCUIT CLOSER. HARRY B. BRADBY, Yacolt, Wash. Filed Mar. 18, 1924. Serial No. 700,121. 2 Claims. (Cl. 200—55.)

1. A circuit closer comprising a movable member and a stationary casing, said casing containing a stationary contact and a movable contact, a bolt operatively engaged with the movable contact, said bolt projecting in the path of the movable member when the movable contact is out of engagement with the stationary contact, said movable member being adapted to contact with and move the bolt in a direction to bring the movable contact into engagement with the stationary contact, a stem mounted in a wall of said casing for rotational and longitudinal movement, said stem being provided at its inserted end with a lug and having its opposite end projecting outwardly of said casing and provided with operating means, said stem being adapted to contact with and

impart movement to said movable contact, and means within the casing for normally maintaining said stem out of contact with the movable contact, and additional



means for moving the movable contact out of engagement with the stationary contact and projecting the bolt into the path of travel of the movable member.

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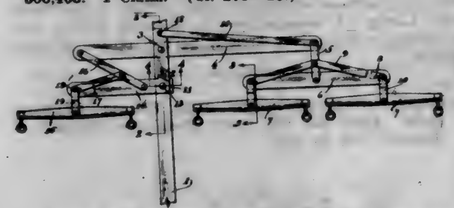
1,556,283. DRAFT EQUALIZER. JOHN B. BREI, Jr., Perryville, Wis. Filed Oct. 4, 1923. Serial No. 666,463. 1 Claim. (Cl. 278—15.)



A draft equalizer comprising a draft pole, an elongated U-shaped clevis pivotally supported thereon and normally in longitudinal alignment therewith, a spreader bar pivotally mounted between the arms of said clevis adjacent one end thereof and extending transversely of the pole, the one end of said spreader bar extending to a point a greater distance beyond one side of the pole than the extension of the opposite projecting portion, an arm pivotally mounted between the arms of the other end of said clevis and extending to the side of the pole to which the shorter portion of the spreader bar extends, the normal position of said last mentioned arm being substantially parallel with the adjacent projecting portion of the spreader bar, a link member pivotally connected to the outer end of the shorter projecting portion of said spreader bar and pivoted at its opposite end to said arm adjacent the inner pivoted end of the latter, a second link member pivoted at its one end intermediate the ends of the last mentioned link and pivoted at its opposite end with a loose connection to the outer end of said arm, an elongated lever pivoted at one end to the rear end of said clevis and loosely pivoted at its opposite end to the outer end of the longer portion of said spreader bar, draft appliances pivotally secured to the outer end of said arm and the outer end of the longer portion of said spreader bar, and an upstanding angular and integral extension formed on the side edge of the forward end of said clevis adapted to engage the side of the draft pole for limiting movement of said clevis in one direction.

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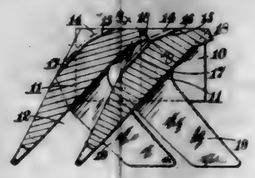
1,556,284. FURNACE. VERNER RUSSELL CHADWICK, London, England. Filed Mar. 27, 1923. Serial No. 628,004. 4 Claims. (Cl. 126—167.)

1. A furnace-grate for burning coal-dust and other pulverised material, comprising a plurality of fire-bars arranged side-by-side near one another to receive fuel on their upper surfaces, which bars have their fuel-bearing portions spaced apart to provide air gaps between them and are cast each with a plurality of air-supply channels which are directed upwards along their entire length and open upwards each through an air opening at an edge of the upper surface of each bar, which channels have their upper parts situated each in one



bar and open downwards into one of said air gaps, and the top portion of each said channel is sloped downwards at an angle less than the angle of repose of the fuel on the bars so that fuel will not slide down the said channels, which bars are further cast each with a plurality of projections on one side thereof arranged to extend each into said channel in an adjacent bar for directing the air flow along the same.

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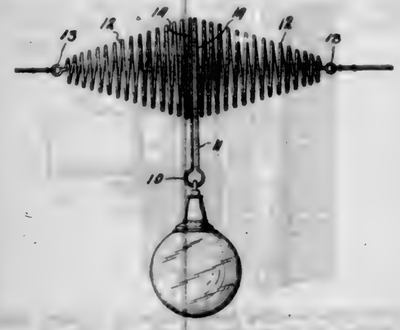
1,556,285. SPRING SUPPORT. JOHN B. CHRABKOW, Cincinnati, Ohio. Filed Oct. 14, 1924. Serial No. 743,572. 1 Claim. (Cl. 267—74.)



A spring support comprising a single length of spring wire formed centrally to provide an eye, the terminals of the eye extending vertically in side to side relation and at points spaced from the eye being coiled to form oppositly directed volutes, each spring having at its outer end an attaching eye, the bases of said springs being opposed and in close relation.

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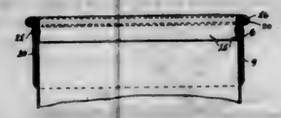
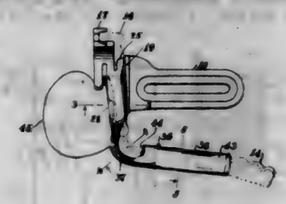
1,556,286. GOLF BAG. HARRY W. KEELER, New York, N. Y. Filed Oct. 19, 1923. Serial No. 669,535. 13 Claims. (Cl. 150—1.5.)



1. In combination, a tubular body; a rim at the edge of the body comprising a metal cuff around the outer edge face of the body; a wire ring around the outer edge of the cuff; and a collar around the inner face of the edge portion of the body and having its outer edge portion bent around the said wire ring.



1,556,287. BINDER. BERNARD M. KEELL, New York, N. Y. Filed Aug. 10, 1922. Serial No. 580,916. 5 Claims. (Cl. 112—137.)



1. A binder for use with sewing machines, for attaching superposed layers to a fabric, said binder comprising separate binder elements for guiding the separate layers and provided with means for separating the layers, one of said elements being fixed and the other secured to the machine foot and movable therewith relative to the other element.

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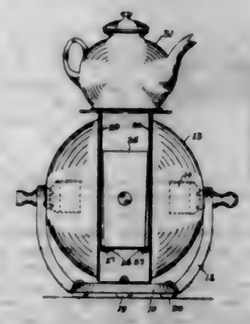
1,556,288. COMBINATION GUARD AND UTENSIL SUPPORT FOR ELECTRIC COOKERS OR TOASTERS. RICHARD G. LEDIG, Philadelphia, Pa., assignor to A. Mecky Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 9, 1922. Serial No. 542,312. 7 Claims. (Cl. 126—41.)



1. An appliance comprising a reflector; a heating unit near the reflector; a receptacle-receiving supporting-platform near the reflector and unit provided with sockets; and upstanding side members provided with turned ends received in said sockets formed with an upper support above said platform and higher than the reflector in position to be heated from beneath.

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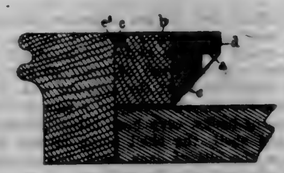
1,556,289. CUSHION FOR BILLIARD AND LIKE TABLES. FREDERICK LING, London, England, assignor to Thurston and Company Limited, London, England. Filed Jan. 28, 1925. Serial No. 5,267. 12 Claims. (Cl. 273—9.)



1. A billiard table cushion formed of tough cellular rubber.

1,556,290. NONSKID VEHICLE WHEEL. JOHN MCMULLEN, Butte, Mont. Filed Jan. 30, 1924. Serial No. 689,452. 5 Claims. (Cl. 301—51.)

5. In a wheel, a felly having annular laterally disposed tire supporting shoulders, the said felly further comprising an annular housing, a sleeve fitted through the housing, a base secured to the inner sides of the tire supporting shoulders and spanning the space between the same, the said base having an opening and the sleeve being threaded to fit within the opening, a cage supported by the base, the cage at its inwardly presented end being interiorly threaded, a bushing adjustably threaded into the said end of the cage and having its bore in axial alinement with the said sleeve, a ground-engaging member comprising a rod slidably fitted in the bore of the sleeve and in the bore of the bushing and guided thereby at its respective opposite end portion, the said rod having an abutment thereon within the cage, and a sleeve disposed about the rod within the cage and bearing at one end against the abutment and at its other end against the said bushing.

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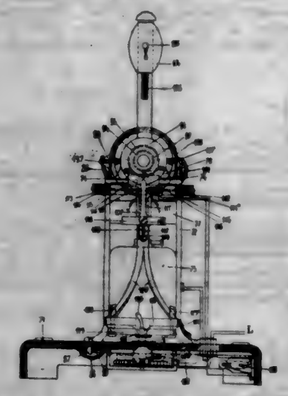
1,556,291. MOLDING MACHINE FOR DENTAL PURPOSES. GEORGES LOUIS VICTOR MAES and ARMAND LEON CLEMENT MAES, Paris, France. Filed Aug. 31, 1923. Serial No. 660,292. 10 Claims. (Cl. 22—65.)

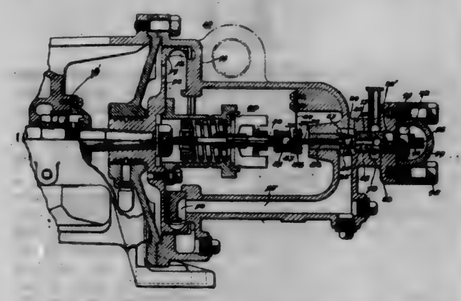


1. A molding machine of the character described comprising a rotating mold, a blow-pipe nozzle adjacent said mold and rotating therewith, means for rotating said mold and nozzle, and means for supplying fuel and compressed air to said nozzle during rotation.

1,556,292. VULCANIZING STUD FOR TUBE MAKING. MELVON A. MARQUETTE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Nov. 7, 1923. Serial No. 673,297. 1 Claim. (Cl. 18—45.)

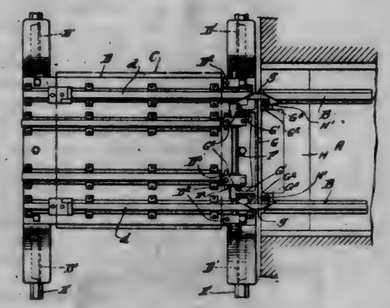
A vulcanizing stud for use in tube making having a hollow body portion closed at one end and holes through the sides of the body portion.

1,556,293. TURBINE VALVE. MATTHEW T. MARTIN, Brooklyn, N. Y., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 2, 1923. Serial No. 629,357. 28 Claims. (Cl. 137—140.)



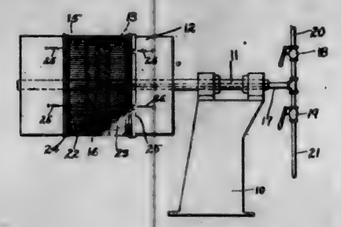
1. The combination with a turbine having an admission valve of the governor-controlled type, of means extending externally of the turbine for adjusting the seat portion of the valve while the turbine is in operation, and a fluid-tight cover for said means carried by the turbine.

1,556,294. TUNNEL-KILN-CAR CONSTRUCTION. PAUL A. MEEHAN, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio, a Corporation of New York. Filed Feb. 7, 1924. Serial No. 691,190. 9 Claims. (Cl. 104—48.)



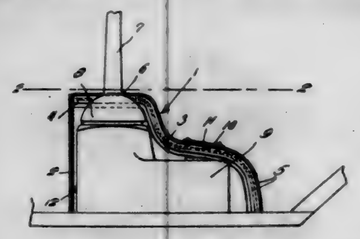
3. A transfer car provided with a track over which a car can be moved onto and off the transfer car and formed in sections, one of which comprises a frame hinge connected to the transfer car and track rail parts detachably connected to said frame.

1,556,295. DEVICE FOR EXPANDING ENDLESS BANDS. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Apr. 28, 1921. Serial No. 463,993. 6 Claims. (Cl. 154—10.)



2. In a device of the class described, an inflatable tube, and a plurality of flexible bands disposed across the tube and secured at their ends to substantially inextensible members.

1,556,296. PROTECTOR BOOT FOR GEAR-SHIFT LEVERS. HARRY E. MITCHELL, San Francisco, Calif. Filed Sept. 15, 1924. Serial No. 737,828. 2 Claims. (Cl. 74—89.)



1. A protector boot for gear shift levers comprising a substantially U-shaped casing extending around the lower portion of the lever, a covering strip having the side edges thereof disposed downwardly and fixed to the inner face of the U-shaped casing, said covering strip having an opening through which the gear shift lever projects and a U-shaped reinforcing plate secured to the inside of the casing.

1,556,297. ARTIFICIAL MINNOW. JOSEPH W. MOORE, Oberlin, La., assignor of one-half to Ripley G. Corkern, Oberlin, La. Filed July 19, 1924. Serial No. 727,012. 2 Claims. (Cl. 43—35.)

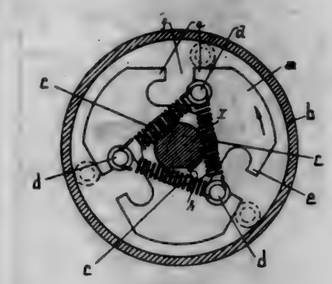
1. An artificial bait of the character described comprising a shell substantially conical at its ends and having an axially aligned series of bearings therein, a longitudinally extending rod disposed within said bearings and projecting out of the forward end of the shell having means for the attaching of a line thereto, a plurality of sets of hooks, each hook being pivotally mounted within the shell, the shell being formed with openings opposite the bill of each hook and through which the bill of each hook may be projected or retracted, conical spreaders mounted upon the rod and coacting one with each set of hooks to cause the projection of the hooks when the rod is pulled forward relative to the shell, a spring urging the rod rearward, and springs for each hook urging each hook inward and against its corresponding spreader independently of any other hook.



1,556,298. BRUSH. PETER J. MORCK, San Francisco, Calif. Filed May 18, 1922. Serial No. 561,617. 1 Claim. (Cl. 15—192.)

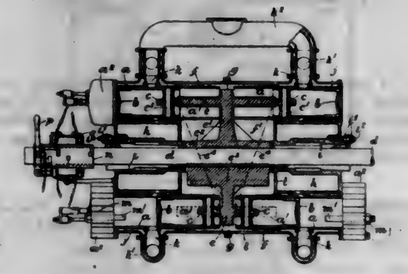
A brush comprising a frame; a plurality of rows of bristles having vulcanized ends arranged in said frame; a plurality of resilient and hollow U-shaped in cross section partitions adapted to be positioned between the vulcanized ends of said rows of bristles; and means for securing said frame to a handle.

1,556,299. AUTOMATIC COUPLING. KARL OBERMOSER, Baden-Baden, Germany. Filed June 6, 1922. Serial No. 566,850. 8 Claims. (Cl. 192—105.)



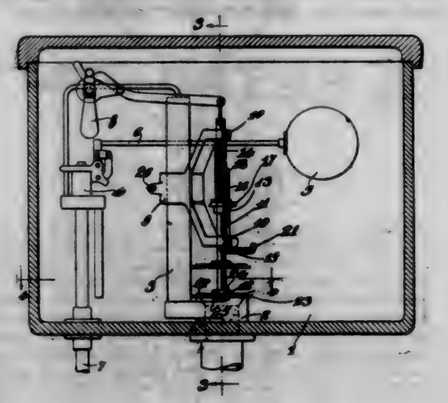
6. In a shaft coupling of the character set forth, in combination with a power shaft, a member loosely rotatable on said shaft, a driving member fixed on said shaft, comprising a plate presenting peripherally a plurality of T-slots, flattened faces on the periphery of said plate flanking each of said T-slots, coupling means adapted to coact with said plate slots, means associated with said plate and adapted to normally retain said coupling means in the inoperative position within said T-slots but allowing them to be moved thereout onto said flattened plate faces into the wedge-coupling position upon the said slotted plate being momentarily relatively displaced by sudden mass impulses sent over said power shaft.

1,556,300. MOTIVE-POWER ENGINE. SIMON DOKK OLSEN, West Ham, London, England, assignor to The Olsen Engine Syndicate Limited, London, England, a Bristish Company. Filed Aug. 27, 1821. Serial No. 495,862. 6 Claims. (Cl. 121—119.)



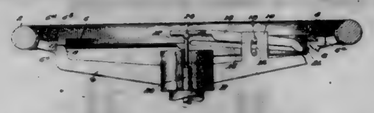
6. The combination of two circular groups of opposed cylinders and pistons acting counter to each other, a cylindrical cam arranged between said groups with the mouths of the cylinders overlapping same so as to come close to the web of the cam and afford guidance for the pistons and support against lateral pressure, rollers in the mouths of the pistons acting against the lateral edges of the cam, a shaft parallel with the cylinders, an outer casing for each cylinder group in which the said cylinders are fitted, bearings for the shaft arranged at the centre of each casing, and means for tying the casings together all round so that all the strains are self-contained and neutralize each other, substantially as described.

1,556,301. WATER-CONTROLLING MECHANISM FOR FLUSH TANKS. DANIEL A. O'NEILL, Philadelphia, Pa., assignor of one-half to John C. O'Neill, Overbrook, Pa. Filed June 24, 1924. Serial No. 721,978. 2 Claims. (Cl. 4—53.)



1. Water controlling means in flush tanks including an outlet; a bracket mounted in the tank; a rod slidable in the bracket; a radially extending and swingably adjustable valve member carried by the rod for closing the outlet; means for moving the rod, and tripping means for releasing the moving means whereby the valve will be moved to close the outlet when the water in the tank drops to a predetermined level.

1,556,302. CONTROLLING DEVICE FOR MOTOR VEHICLES. JAMES HARALSON PACE, Scottdale, Ga. Filed July 24, 1924, Serial No. 727,920. Renewed July 31, 1925. 8 Claims. (Cl. 74—88.)



1. A controlling mechanism for motor vehicles comprising, in combination with the steering wheel of the vehicle, of a ring supported for turning movements within said wheel, and means operated by said ring to control the supply of fuel to the motor.

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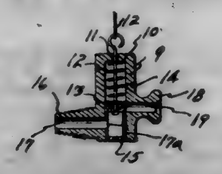
1,556,303. PET COCK. HERBERT PEARCE, Detroit, Mich. Filed Jan. 30, 1924. Serial No. 689,412. 1 Claim. (Cl. 251—137.)



A pet-cock comprising a body portion having a bore extending longitudinally therethrough for almost its entire length, a perforated end wall closing one end of the bore, a cylindrical cap fitting into and closing the other end of the bore and having an inlet aperture in its periphery, an inlet portion having a passageway aligning with the peripheral aperture in the cap, a spout having an outlet port opening into the bore in advance of and adjacent the open end of the cap, a plunger snugly fitting against the wall of the bore, a plunger stem extending through the perforation in the end wall of the body portion, and a spring arranged in the bore and engaging the plunger to normally press the plunger into position to simultaneously close the open end of the cap and the outlet port of the spout.

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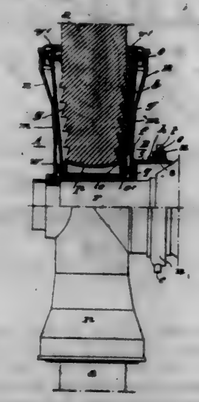
1,556,304. AIR PROPELLER. ENRICO PISTOLESI, Tivoli, Italy. Filed Aug. 30, 1923. Serial No. 660,068. 7 Claims. (Cl. 170—163.)



1. In a propeller of the character described, having a hub and blades rotatable therein, the combination of a blade having a serrated conical root and an internally serrated conical sleeve adapted to receive said root, said serrations comprising conical surfaces having inclinations opposite to that of the conical root.

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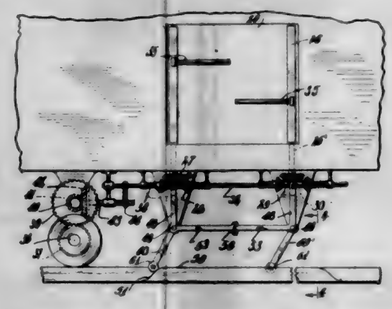
1,556,305. RAILROAD MAIL DELIVERING AND RECEIVING DEVICE. FREDRICH WILHELM RICHARD POEKERT, Pittsburgh, Pa. Filed Mar. 19, 1924. Serial No. 700,239. 3 Claims. (Cl. 258—8.)



1. In a mail car, mail delivering and receiving means comprising a pair of posts arranged at opposite sides of the car door opening, mail holding elements on said posts, and means for swinging said posts in unison to project said elements through the said opening, said means including a constantly driven shaft, gears fixed to said posts, pairs of gears feathered on to said shaft and adapted to selectively engage said first gears, a fixed rail, and a device adapted to engage said rail to move said gears into mesh.

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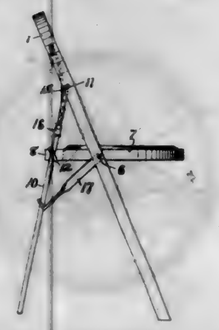
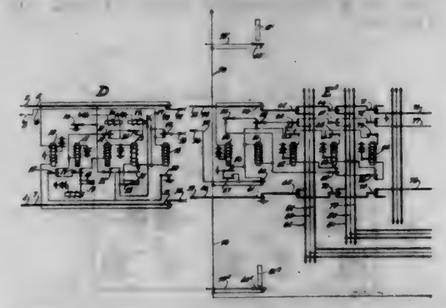
1,556,306. FOLDING CHAIR. WILLIAM C. RASTETTER, Fort Wayne, Ind. Filed Oct. 6, 1924. Serial No. 741,829. 3 Claims. (Cl. 155—142.)



1. In a folding chair, a main frame; a seat pivotally supported in the frame and having a rearwardly extending projection at each side thereof; a prop member having arms pivoted respectively at their tops to the frame at points therein above the seat; a shackle member encompassing each of said projections and the corresponding adjacent arms of the prop member, and having limited sliding movement on said arms and being operable to clamp the arms against said projections when the seat is in position for use; a back secured at its top to the frame and having a sliding connection at its bottom with each of the arms of said prop; and a pivoted brace at each side of the seat having limited sliding movement on the corresponding arm of the prop.



1,556,307. TRUNKING ARRANGEMENT FOR AUTOMATIC TELEPHONE SYSTEMS. RODNEY G. RICHARDSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 11, 1921. Serial No. 507,009. 29 Claims. (Cl. 179—18.)



1. In a telephone trunking system, a trunking section comprising a plurality of similar groups of inlets and a group of outlets divided into a plurality of subgroups, the number of outlets in each subgroup being always equal to the total number of outlets divided by the number of inlets in a group, irrespective of the total number of such outlets, and switching means for connecting inlets which are taken for use with idle outlets.

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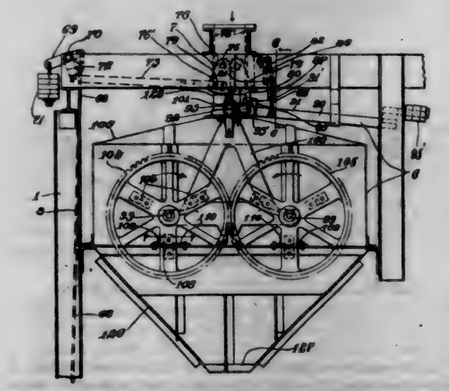
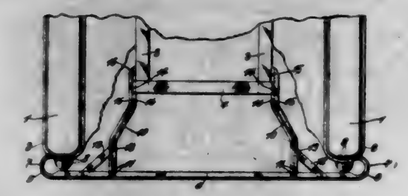
1,556,308. WEIGHING MECHANISM. LEVIGNE M. ZEPP, Baltimore, Md. Original application filed Mar. 10, 1923, Serial No. 624,087. Divided and this application filed Jan. 24, 1924. Serial No. 688,154. 7 Claims. (Cl. 249—2.)



1. A weighing hopper consisting of a plurality of radiating members, means mounting said members for rotation about spaced axes, weighing means supporting said members, means for locking them in co-operating position in which they form a receptacle to hold the material to be weighed, said locking means being placed to engage the radiating member in the empty position of the weighing device so that the said members are released from the locking means by passing out of engagement therewith, as the weighing operation is completed by filling of the hopper to the predetermined extent, the radiating members being caused to rotate and release the material weighed.



1,556,309. COMBINATION REAR FENDER BRACE AND BUMPER. ADOLPH R. BROCKSMITH, St. Louis, Mo. Filed Aug. 22, 1923. Serial No. 658,741. 11 Claims. (Cl. 293—55.)



1. In a motor vehicle equipped with a pair of rear fenders and a chassis frame having side members and a cross member, the combination of a transverse bar having curved ends arranged to be rigidly connected with the fenders, arms extending inwardly from said bar, said arms being provided with notches engaging the ends of the cross member, and connecting devices for securing said ends to the vehicle.

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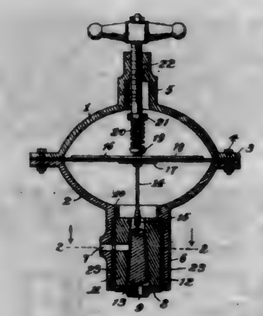
1,556,310. AUTOMATIC PRESSURE-CONTROL VALVE. THOMAS E. CROCKETT, Kansas City, Mo. Filed Sept. 14, 1922. Serial No. 588,226. 4 Claims. (Cl. 50—23.)



1. In a valve, a housing, seat members arranged on opposite sides of the housing, one of which only is provided with an inlet port, a closure member for the housing having an outlet port, resilient gaskets interposed between the seat members and the housing, a gate member having tapered side surfaces adapted to wedgingly engage the seat members and place the resilient members under compression and control the inlet port, means for lifting the gate member into contact with the seat members, and means for adjustably controlling the lifting means.

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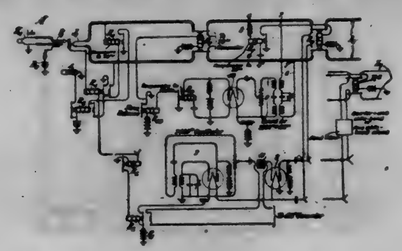
1,556,311. SIGNALING SYSTEM. JOHN DAVIDSON, JR., Trenton, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 23, 1920. Serial No. 432,783. 8 Claims. (Cl. 179—48.)

1. In a signaling system the combination of a line circuit, a cord circuit having a source of ringing current connected thereto, a source of high frequency oscillations,

a source of low frequency variations, means to modulate said high frequency oscillations by the said low frequency variations, and means controlled by the connection of the said cord circuit with the said line circuit to effect the modulation of the said high frequency oscillations by the said low frequency variations.



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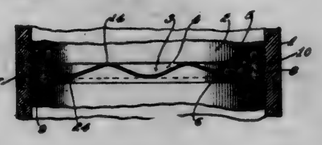
1,556,312. PISTON RING. JOSEPH REX DAVIS, Clarksburg, W. Va., assignor to Rex Manufacturing Company, Clarksburg, W. Va., a Corporation of West Virginia. Filed Jan. 20, 1922. Serial No. 530,596. 3 Claims. (Cl. 74—109.)



1. In a piston ring structure, the combination with the piston having an annular channel for confining the ring of a ring body having a groove on its inner face presenting an acute angle, and a spring consisting of a body of spring wire provided with oppositely extended loops, the crowns of opposite loops respectively bearing in the acute angle of the groove and the angle of the channel in the piston.

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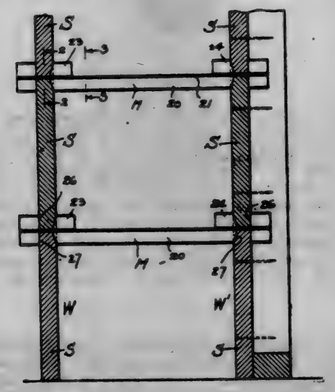
1,556,313. COMBINED SPACING AND TIE BAR FOR CONCRETE FORMS. JOHN H. DODD, Los Angeles, Calif. Filed Dec. 10, 1924. Serial No. 754,992. 12 Claims. (Cl. 25—131.)



1. In a form of the character described having sectional side walls, a spacing member interposed between the sections of the walls and spanning the latter, said member having integral portions defining tapered recesses into which the sections are adapted to be wedged to secure the latter against longitudinal and transverse movement relative to the member.

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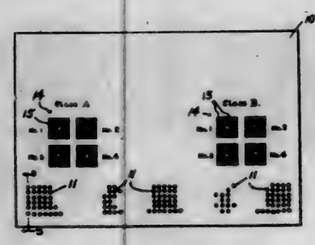
1,556,314. GAME. JULIUS D'ORIO, Highgrove, Calif. Filed Oct. 2, 1923. Serial No. 666,129. 1 Claim. (Cl. 273—139.)



A game of the character set forth comprising a board bearing a serial number and having cells therein, one surface of the board having a series of problems indicated thereon and its other surface having a single problem indicated thereon, a series of game elements bearing the serial number of the board and having indications thereon corresponding to one of the problems on the board.

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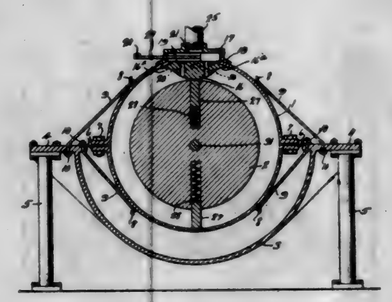
1,556,315. ROTARY ENGINE. THOMAS DRENNAN, Croton, Ontario, Canada. Filed Jan. 17, 1920, Serial No. 352,177. Renewed Feb. 12, 1925. 8 Claims. (Cl. 121—194.)



1. A rotary engine including a cylindrical casing, a rotor mounted therein, a concave bed arranged under the casing, supporting plates at the ends of the bed, hooks on opposite sides of the casing, and tie rods connected to the hooks and extending through the supporting plates, said tie rods cooperating with the hooks to hold the cylindrical casing in position.

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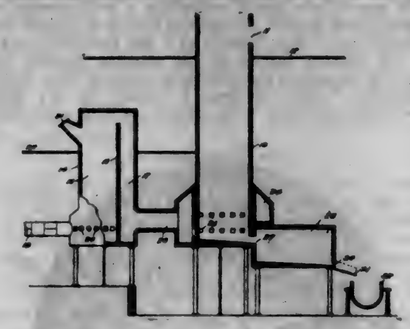
1,556,316. METHOD OF REDUCING OXIDE ORES TO METALLIC STATE. YULEE ALISON DYER, Birmingham, Ala. Filed Mar. 10, 1924. Serial No. 698,153. 7 Claims. (Cl. 75—17.)

1. A process of reducing oxide ores which consists in arranging a layer of the ore to be reduced on a thin-gauged bed of carbonaceous material, generating carbon dioxide gas from a separate body of carbonaceous material, and flowing the carbon dioxide gas to the bed of carbonaceous material and from the bottom to the top thereof, thereby converting said carbon dioxide gas to carbon monoxide gas for reducing the layer of ore above, whereby primary combustion of carbonaceous material in the presence of the ore is eliminated.



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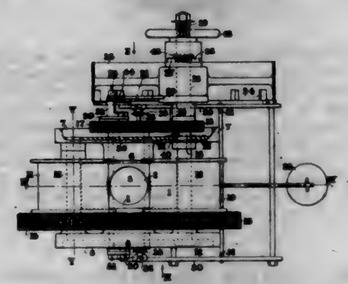
1,556,317. DOUGH-DIVIDING MACHINE. LAURENCE EMBERY, Blurton, England. Filed Dec. 6, 1923. Serial No. 679,009. 10 Claims. (Cl. 73—137.)



1. A dough dividing machine comprising a scale beam, a weight pan on one end of said beam, a cylinder having a piston supported adjacent to the other end, means for feeding dough into said cylinder, and means controlled by the scale beam for rotating said cylinder into a discharging position when the pressure of dough on the piston is sufficient to tip the scale beam, substantially as and for the purpose hereinbefore set forth.

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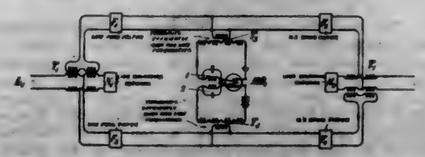
1,556,318. HIGH-FREQUENCY MULTIPLEX SIGNALING SYSTEM. LLOYD ESPENSCHIED, Hollis, and HERMAN A. AFFEL, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 30, 1919. Serial No. 327,397. 8 Claims. (Cl. 178—44.)



1. The method of modulating oscillations in a system characterized by means for the conversion of low frequency variations into high frequency oscillations, which consists in simultaneously impressing the low frequency variations and unmodulated carrier oscillations upon a translating circuit, regeneratively amplifying the said carrier oscillations, and simultaneously modulating the said amplified carrier oscillations by the low frequency variations, and transmitting the said modulated oscillations.

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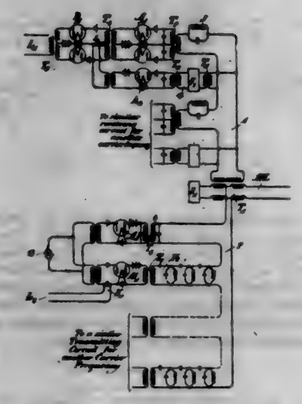
1,556,319. HIGH-FREQUENCY MULTIPLEX SIGNALING SYSTEM. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 30, 1919. Serial No. 327,501. 9 Claims. (Cl. 178—44.)



4. In a signaling system characterized by the simultaneous reception of modulated and unmodulated oscillations, the method for improving the quality of detection of received signals, which consists in separating by filtering the modulated oscillations and the unmodulated oscillations, amplifying one of said types of oscillations and combining both types of oscillations to produce detection.

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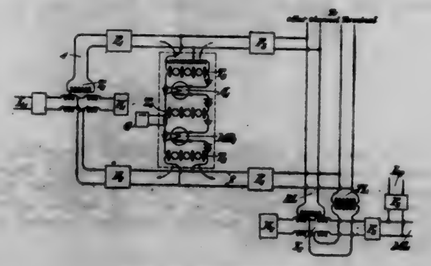
1,556,320. HIGH-FREQUENCY MULTIPLEX SIGNALING SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 9, 1921. Serial No. 459,834. 7 Claims. (Cl. 179—15.)



1. In a signaling system adapted for the transmission and reception of high frequency signals and characterized by a translating circuit common to the transmitting and receiving paths of the said system, the method which consists in simultaneously amplifying in a common circuit low frequency signals and modulated high frequency signals, modulating an unmodulated high frequency carrier current in accordance with the said low

frequency signals, demodulating the modulated high frequency oscillations by means of the said carrier current, and transmitting the currents resulting from such modulation and demodulation.

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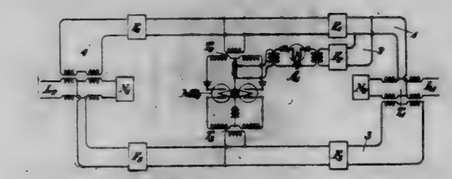
1,556,321. HIGH-FREQUENCY MULTIPLEX SIGNALING SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Original application filed Sept. 30, 1919, Serial No. 327,501. Divided and this application filed Apr. 9, 1921. Serial No. 459,835. 9 Claims. (Cl. 179—15.)



1. In a signaling system adapted for the transmission and reception of high frequency signals, the method which consists in simultaneously receiving from a common medium modulated high frequency oscillations and unmodulated high frequency oscillations, separating the two types of oscillations, amplifying the unmodulated type, and detecting the modulated oscillations by means of the amplified unmodulated oscillations.

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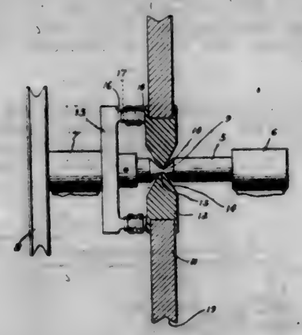
1,556,322. FLOATING STONE. GEORGE C. FAVER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Nov. 16, 1923. Serial No. 675,084. 2 Claims. (Cl. 51—168.)



1. A device of the character described comprising a shaft, a stone loosely mounted thereon, having fingers extending therefrom, a spanner keyed to the shaft and having fingers for cooperation with the fingers carried by said stone and ball members interposed between the said cooperating fingers.

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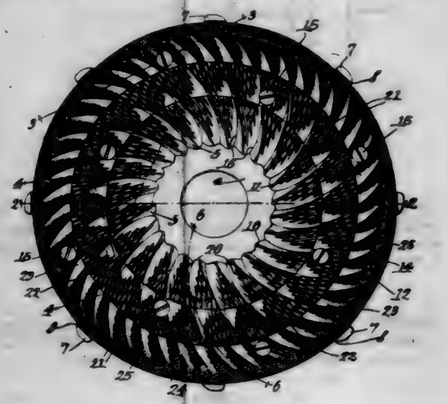
1,556,323. MILL DISK. PABLO GONZALES GARZA, San Antonio, Tex. Filed June 4, 1925. Serial No. 34,968. 9 Claims. (Cl. 83—8.)

1. A grinding member provided with a central opening and equipped in its working surface with grooves which extend across the edge of the opening and outwardly toward the periphery of the grinding member, each groove being made up of a plurality of parts, each of said parts being of substantially V-shape in plan, the narrower ends of the parts of the grooves being disposed toward the periphery of the grinding member, each part of the groove comprising a wall disposed at a pronounced angle to the working surface of the grinding member, and a wall disposed at a less pronounced angle to the working surface of the grinding member, the parts of the groove diminishing in depth as they extend outwardly, thereby to form a shoulder at the point where the shallower outer end of each of said parts



communicates with the deeper inner end of an adjoining one of said parts, there being flat surfaces between the said parts of adjoining grooves, the flat surfaces being roughened by intersecting slits, the first-specified walls of the parts of the grooves being in longitudinal alinement, and there being projecting blades at the periphery of the grinding member, the blades having sharpened edges disposed approximately at right angles to the working surface of said member and located closely adjacent to the periphery of said member.

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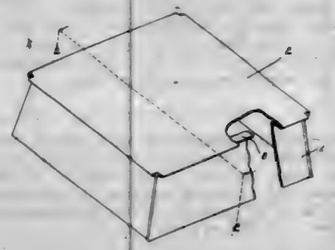
1,556,324. PROCESS FOR MAKING DOMES FOR PLASTIC CONSTRUCTION. WILLIAM M. GOLDSMITH, Cincinnati, Ohio. Filed Mar. 22, 1922. Serial No. 545,829. 3 Claims. (Cl. 113—116.)



1. The process of making domes for use with concrete floor construction and the like comprising forming a flange on one side and U-shaped grooves at opposite ends of plates, inserting a wall of each plate in the groove in the next adjacent plate, whereby a polygonal walled tube is formed, the plates having their flanges extending outwardly, forming a top with U-shaped grooves for the reception of the flanges on the plates, sliding the top over the tube and locking the flanges in the grooves in the top, and squashing the walls of all of the grooves whereby the plates and top are secured upon one another.



1,556,325. METHOD FOR CUTTING METALS BY THE AID OF AN ELECTRIC CURRENT FED TO A ROTATING CUTTING DISK. OSKAR FRITZ AMANDUS EMIL GRUMPELT, Hamburg, Germany. Filed Oct. 24, 1924. Serial No. 745,717. 2 Claims. (Cl. 219—1.)

1. A method for cutting metals by means of a rotating disk and an electric current comprising rotating the disk at a peripheral speed in excess of 120 m. per second and using an electric current not exceeding 10 volts, and having an amperage at least 10 times as great as the voltage, whereby a lineal combustion of the metal results.

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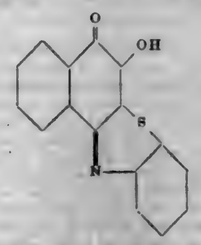
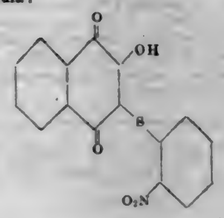
1,556,326. PROCESS FOR MANUFACTURING DYES. WILHELM HERZBERG, Berlin-Wilmersdorf, and GERHARD HOPPE, Berlin-Treptow, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Dec. 12, 1924. Serial No. 755,551. 1 Claim. (Cl. 260—27.)

A process for manufacturing dyes of the general formula:



by treating with reducing agents compounds of the general formula:



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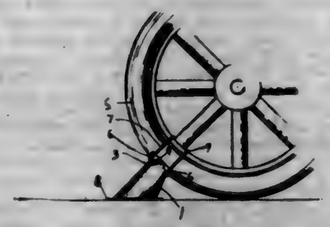
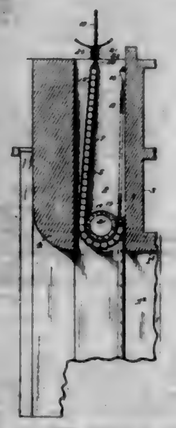
1,556,327. AUTOMOBILE BLOCK. LEO P. HUGHES, Cleveland, Ohio. Filed May 28, 1924. Serial No. 716,437. 4 Claims. (Cl. 188—32.)



1. In an automobile block of the type set forth, the combination with a body portion of general frusto-conical form, of a seat at the smaller end thereof for the reception of the wheel of a vehicle, the axis of said body portion inclining with respect to its base so as to lie on a line approximately radial to a wheel in engagement with said seat.

1,556,328. WATER GATE. EDWARD HUTCHINS, New York, N. Y., assignor to International Paper Company, a Corporation of New York. Filed Jan. 25, 1924. Serial No. 688,362. 20 Claims. (Cl. 61—22.)



1. A water gate comprising in combination, a plurality of sections lying side by side, and a flexible water-impervious sheet attached to each of said sections and covering the same and connecting them together in the form of a flexible apron.

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1,556,329. NEW ORTHO-HYDROXYAZO DYE. OSKAR KALTWASSER, Berlin, HERMANN KIRCHHOFF, Berlin-Lichterfelde, and HANS OEHEN, Charlottenburg, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed May 15, 1925. Serial No. 30,616. 3 Claims. (Cl. 260—87.)

1. The herein-described new ortho-hydroxyazo dyes the after-chromed tints of which and those obtained by dyeing in the presence of a chrome-mordant being orange to bluish red and having an excellent fastness to the action of light and to stoving, the dyes being manufactured by combining a sulphonated ortho-hydroxydiazo-compound with an unsulphonated 1-naphthyl-3-methyl-5-pyrazolone.

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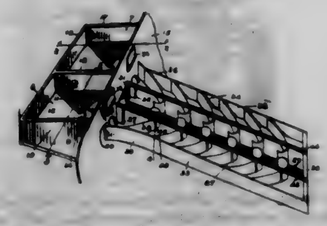
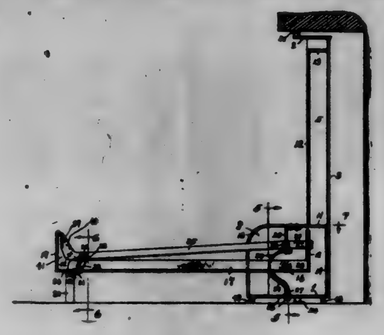
1,556,330. NEST AND EGG CHUTE. EDOUARD LAHIÈRE, Montreal, Quebec, Canada. Filed May 12, 1924. Serial No. 712,707. 2 Claims. (Cl. 119—48.)



1. In a nest and egg chute, a chute adapted to be secured to the nest at the outlet and inclined therefrom and forming a path for the eggs and egg pockets of sheet material having hooked stems leaning against the side wall of the chute and forming pocket and pivoted at the inner side of said path and overlapping in their closed positions.

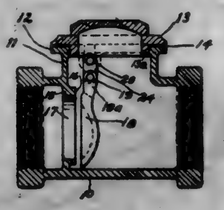
1,556,331. WARDROBE BED. GEORGE A. FAIR, Detroit, Mich. Filed Feb. 3, 1923. Serial No. 616,659. 4 Claims. (Cl. 5—164.)



1. In a bed, the combination of a case comprising a base, sides, a pair of alined pivots mounted in said sides, a bed frame mounted on said pivots and comprising side bars, guide bars mounted in said case and comprising circular portions parallel to the sides of the case and concentric with the bed frame pivots, and coil springs mounted on said guide bars and pressing upward against the side bars of the bed frame.

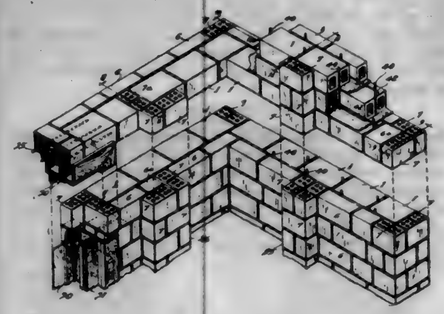
4. In a bed, the combination of a case, a bed frame pivoted at one end to said case, legs pivoted to the opposite end of the frame, a yoke pivoted above the legs, said legs and yokes on each side of the frame having overlapping arms extending beyond their pivots, one of said arms on each side of the frame being formed with a slot and a pin being mounted in the other arm extending through said slot, links extending from said pins to said case, and pivots carried by the case for the opposite ends of the links, said second pivots being above the pivots of the frame so as to cause the legs to remain vertical and to swing the yoke toward the frame when the frame is swung to vertical position.

1,556,332. CHECK VALVE. JOHN I. GORMAN, Cleveland, Ohio, assignor to The Midland Bank, trustee, Cleveland, Ohio, a Corporation of Ohio. Filed May 10, 1924. Serial No. 712,184. 3 Claims. (Cl. 251—123.)



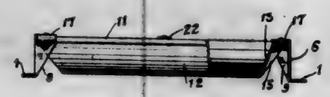
2. In a check valve of the character described, the combination of a valve body member provided with a partitioning wall having a passageway and a surrounding seat, a valve closure member adapted to co-act with the seat to close the passageway, a branch on the valve body and means disposed within the branch throat affording plural pivotal suspension for the valve closure member said means being spaced relative to the seat to normally suspend the closure member freely and in unseated position.

1,556,333. HOLLOW-BUILDING-WALL CONSTRUCTION. FREDERICK HEATH, Tacoma, Wash., assignor to The Heath Unit Tile Company, Tacoma, Wash., a Corporation of Washington. Filed Aug. 15, 1921. Serial No. 492,344. 6 Claims. (Cl. 72—41.)



1. A building hollow wall construction, comprising hollow blocks throughout, arranged in courses and having even continuous horizontal mortar beds, each course having one or more three void blocks having side and intermediate load bearing webs, the intermediate webs being separated by a median longitudinal void, and each course including blocks having vertical voids with webs and shells spaced apart distances corresponding to the spacing of the webs and shells of the three void blocks, each block in the structure being preferably arranged in overlapping relation with blocks in courses above and below to provide a bonded structure, all of the load bearing webs and shells of the two forms of blocks throughout the entire wall construction including corners and pilasters lying in true vertical planes and forming continuous vertical compression members throughout the entire structure.

1,556,334. TROUGH. JOHN C. HOEHNEN, Bushnell, Ill. Filed Nov. 12, 1923. Serial No. 674,177. 3 Claims. (Cl. 119—61.)



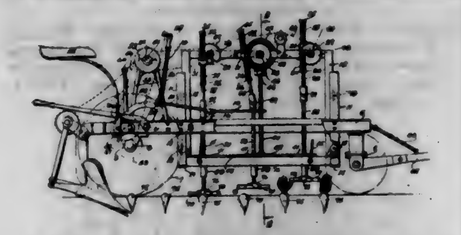
3. A trough, comprising a one-piece metal member having a concaved body portion provided with marginal flanges, ends terminating in top portions superposed upon said flanges, end supports integral with and extending downwardly from said superposed portions, lateral wings on said end supports underlying said marginal flanges and end top portions, and a single connecting means at each corner of the trough uniting said marginal flanges, top portions and wings.

1,556,335. BEET TOPPER. THEODORE C. HOLLNAGEL, Milwaukee, Wis. Filed Aug. 29, 1921. Serial No. 496,240. 9 Claims. (Cl. 55—107.)

1. In a machine of the class described, means for topping beets or the like comprising a cutter member, means for continuously alternately engaging and disengaging said member with the tops of beets or the like, and means for actuating said cutter member.

2. In a machine of the class described, means for topping beets or the like comprising a vertical reciprocally mounted shaft, a cutter member carried by the lower end of said shaft, means for continuously reciprocating said shaft during the operation of the machine to engage the cutter member with the beet or the like to be topped, and means for actuating the cutter member.



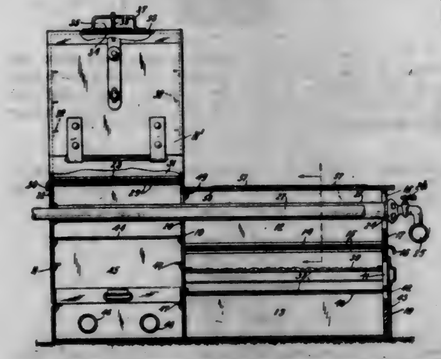


8. In a machine of the class described, beet or the like topping means comprising a hub member, cutting members pivotally carried thereby, and means retaining said members in a substantially horizontal position.

1,556,336. POWER-PROPELLED BOAT. CHARLES J. McHUGH and DURWARD S. RIVERS, Indianapolis, Ind. Filed Apr. 17, 1922. Serial No. 553,626. 5 Claims. (Cl. 46—37.)

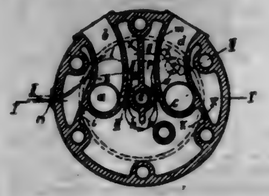
1. A power-propelled boat including a hull, two boilers in the hull spaced apart and having each a vibratory wall plate, the lower portions of the boilers being secured to the hull, a cap connected to the tops of the two boilers and covering the space between them, two pipes connected to the upper portions of the boilers respectively and extending downwardly in and rearwardly through the hull, and a fuel reservoir having a wick-fed burner between the boilers.

1,556,337. COOKING STOVE. IRA MAIER and FLORIAN KOLENC, New York, N. Y. Filed Jan. 16, 1925. Serial No. 2,805. 4 Claims. (Cl. 126—39.)



1. A stove including a burner compartment, a broiler compartment below said burner compartment, means for opening or closing, at will, the communication between said two compartments, said burner compartment including a top, and a burner within said burner compartment below said top, said burner being adapted to heat said top and said broiler compartment when said two compartments are in communication.

1,556,338. CYLINDER COVER FOR INTERNAL-COMBUSTION ENGINES. GEORG MANGOLD, Danzig-Langfuhr, Danzig. Filed May 12, 1924. Serial No. 712,819. 2 Claims. (Cl. 123—173.)

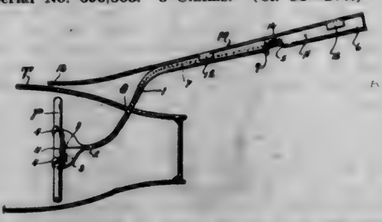


1. In a water-cooled cylinder cover for four-cycle motors, the combination with the inlet, fuel, and outlet, valve channels arranged in said cover, of one main rib connecting the outer walls of said valve channels in the direction of the cylinder axis and the lower end of which is at the proper distance from the gas-heated bottom of the cover to allow the water to pass between it and said bottom with whirling motion, substantially as set forth.

1,556,339. SAFETY SWIMMING BELT. AUGUST MARENGO, PETER MARENGO, and JOSEPH MARENGO, Stockton, Calif. Filed Sept. 17, 1924. Serial No. 738,165. 1 Claim. (Cl. 9—17.)

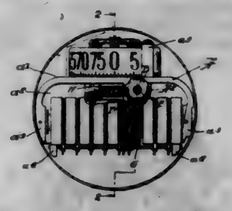
A swimming belt comprising a flexible casing adapted to partially surround a human body, the side of the casing engaging the body having a convex curvature in a vertical plane substantially that of the body adjacent the waist, and an air bladder in the casing.

1,556,340. SOUNDPOST-SETTING DEVICE. JOSEPH B. MYERS, Mount Pleasant, Pa. Filed Mar. 4, 1924. Serial No. 696,863. 3 Claims. (Cl. 84—277.)



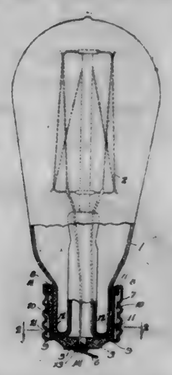
1. In a sound post setting device, a handle member, means at one end thereof for engagement with a sound post, a flexible member movably mounted within the handle for engagement with the sound post, spring means normally urging said flexible member in one direction to engage the sound post, a trigger connected with the flexible member for retracting the same from engagement with the sound post, the handle having an opening permitting movement of the trigger, and an indicator carried by the handle and positioned in line with a sound post engaged by the first named means on the handle.

1,556,341. COMBINED ODOMETER AND SPEEDOMETER. JOHN K. OLSEN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed July 12, 1922. Serial No. 574,523. 1 Claim. (Cl. 235—1.)



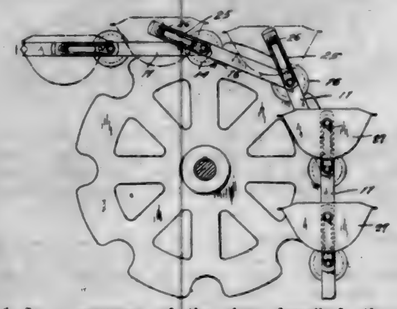
In a combined instrument comprising for deriving movement from the same driving shaft two independently operating mechanisms, in combination, main shafts of the two mechanisms respectively positioned in planes at right angles to each other, the plane of the first mechanism main shaft being offset laterally from the other mechanism main shaft; a driving shaft in common for the two mechanisms positioned crossing both said shafts, a frame having the journal bearings for the three shafts; intermeshing gears on the driving shaft in common and the two main shafts respectively, the journal bearing of said shaft-in-common communicating with the journal bearing of the main shaft of the first mechanism, said main shaft having mounted upon it at its upper end a lubricant container, the journal bearing of the driving shaft-in-common having a lubricant receptacle, said container having flow apertures leading to the journal bearing of the last mentioned main shaft; whereby lubricant may flow from said container to said main shaft bearing and thence to the two intermeshing gears on said main shaft and driving shaft-in-common, respectively, and from the latter of said gears to the journal bearing of said driving shaft-in-common and the receptacle therein.

1,556,342. NONREMOVABLE ELECTRIC-LAMP BULB. JOHN P. PETH, Chicago, Ill. Filed Oct. 29, 1923. Serial No. 671,349. 6 Claims. (Cl. 176—31.)



1. In a non-removable electric lamp bulb, the combination of a threaded member to be screwed into an ordinary socket, a glass bulb, metal means to normally lock the bulb against rotation in said member, but permitting axial displacement of said member on the bulb, adapted by distortion thereof to be rendered inoperative by a forcible rotation of the bulb after said member reaches its final position in the socket, so that the bulb will then rotate in either direction in said member, said member serving as one of the terminals of the filament of the lamp, and a yielding contact serving as the other terminal of said filament, adapted to yield when it strikes the bottom of the socket and prevent axial displacement of said member on the bulb, before reaching said final position.

1,556,343. PIVOTED BUCKET CONVEYER. WILLIAM E. PHILIPS, Cleveland, Ohio, assignor to The Stearns Conveyor Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 29, 1921. Serial No. 496,318. 2 Claims. (Cl. 198—148.)

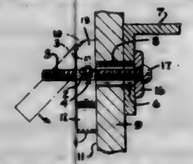


1. In a conveyer of the class described, the combination of a pair of inner links, a sleeve mounted therein, a pair of outer links overlapping the inner links and overlapping the ends of the sleeve, a pivot pin extending through the sleeve and through the outer links, an offset bucket supporting bracket secured to an extension of one of the outer links, said bracket having a longitudinally extending slot formed therein adaptable for the reception of an axle of a pivotally supported conveyer bucket and a pin spanning the slot, said pin being adapted to engage a bucket axle and maintain the same in a bucket supporting position relative to said links.

1,556,344. CARD DECK. DUANE PHIMISTER, Chicago, Ill. Filed Aug. 15, 1925. Serial No. 50,486. 2 Claims. (Cl. 273—152.

1. As a new article of manufacture, a card deck containing the letters of the alphabet in which each card bears two different letters, one letter of each card having one color designation and the other letter another color designation.

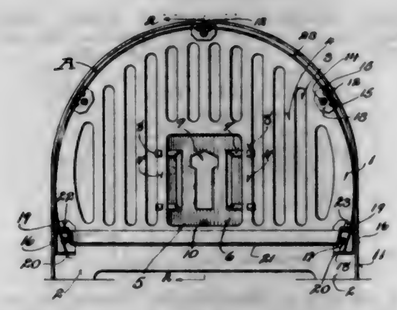
1,556,345. TOGGLE. HENRY W. PLEISTER, Westfield, N. J., assignor to Henry B. Newhall. Filed July 29, 1924. Serial No. 728,898. 4 Claims. (Cl. 85—3.)



3. The combination of a toggle head having non-circular pivoting surfaces and a pivot member having undercut trunnions to engage with the non-circular pivoting surfaces of the toggle head.



1,556,346. KNOCKDOWN BIRD CAGE. THEODORE T. POPLAWSKI and HENRY R. SIEVERKROPP, Racine, Wis. Filed Sept. 17, 1923. Serial No. 663,169. 2 Claims. (Cl. 119—17.)

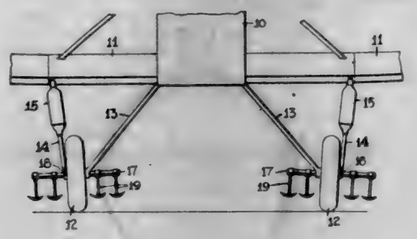


1. A knock-down bird cage comprising end members formed of sheet material, a plurality of channel shaped longitudinal members detachably joined to said end members and provided with a plurality of aligned regularly spaced apertures, a plurality of resilient wires threaded through said apertures, all of said wires being retained in place solely by their inherent resiliency, the lowermost of said longitudinal members having inwardly extending members against which the ends of said resilient wires contact.

1,556,347. CARBURIZING MATERIAL. GEORGE W. PRESSELL, Philadelphia, Pa., assignor to E. F. Houghton & Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 13, 1924. Serial No. 699,150. 14 Claims. (Cl. 148—30.)

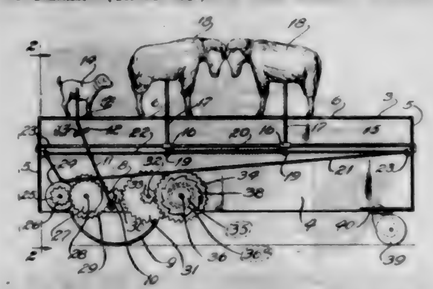
13. A carburizing material comprising 80% to 90% of a mixture of coke and charcoal, and 10% to 20% of carbon impregnated with a compound of cyanide with an alkali metal.

1,556,348. AEROPLANE LANDING GEAR. WILLIAM A. RAY and REX B. BISSELL, Hempstead, N. Y., assignors to Curtiss Aeroplane & Motor Co., Inc., a Corporation of New York. Filed Feb. 14, 1925. Serial No. 9,106. 4 Claims. (Cl. 244—2.)



1. The combination with an aeroplane landing gear including laterally spaced axle members, of an arresting gear therefor comprising a part detachably fastened to said axle members, and devices engageable, in landing the aeroplane, with a cooperating portion of the arresting gear, the devices collectively being carried by that part of the landing gear detachably fastened to said axle members.

1,556,349. FIGURE WHEELED TOY. ROCCO RECATTI, St. Louis, Mo. Filed Feb. 7, 1925. Serial No. 7,682. 3 Claims. (Cl. 46—45.)



1. A toy comprising a carriage having a top provided with a pair of longitudinally extending slots, a longitudinally extending rod mounted below said slots, supports slidably carried by said rod and extending through said slots, figures mounted on said slidable supports, means including a spring motor for moving said slidable supports from each other in opposite directions simultaneously, means for releasing said slidable supports from said moving means when the same have been moved a predetermined distance, means carried by said slidable supports for drawing the same toward each other when the first mentioned moving means has been released, and wheels driven by said spring motor for driving said carriage.

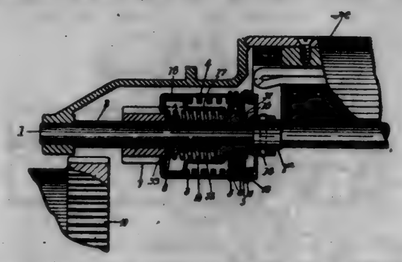
1,556,350. SHOE-REPAIRING STAND. THOMAS RENDLE, Ottawa, Ill. Filed Apr. 13, 1925. Serial No. 22,914. 2 Claims. (Cl. 12—123.)

1. The combination in a shoe repairing stand of a standard having a circular last mount and a rigidly fixed cleat at the rear thereof, said cleat having a groove at each side and a perforation therethrough, a heel part having a slot therein and an arm at each side thereof to cooperate with the grooves of the cleat, and also having indentures to cooperate with the perforation and a bolt in said cleat, whereby the heel part may be securely held, and a fore part having a circular socket and a pair of grooves at the rear and a groove in front of the socket whereby the forepart may be mounted to cooperate with the said cleat and the heel part for right and left shoes, the said standard uniting the last mounts with the base and having a shoe holding device comprising a loop and an arm encircling the standard, said arm being movable vertically and angularly with respect to the standard.

1,556,351. ENGINE STARTER. JULIUS H. RICHARDS, Torrington, Conn., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Oct. 18, 1923. Serial No. 669,203. 9 Claims. (Cl. 74—7.)

1. An engine starter drive incinding a rotatable shaft, a driving member mounted for longitudinal movement

thereon to engage a member of the engine to be started, a control member mounted on the shaft for longitudinal movement thereon when such shaft is rotated and for



rotary movement therewith, a friction clutch splined on the control member, and a connecting means connected at one end with the clutch and at the other end with the driving member.

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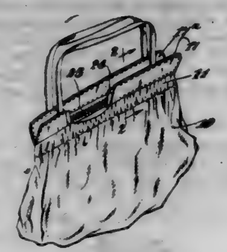
1,556,352. BAG. JACOB RITTER, Far Rockaway, N. Y. Filed Jan. 16, 1925. Serial No. 2,741. 5 Claims. (Cl. 150—28.)



2. A bag comprising an outer container having an opening at its top, a lining member within the container in which articles are to be received, upwardly extending portions of the bag arranged on either side above the opening at the top of the container, said portions each having an outer member secured to the outer container and an inner portion secured at its upper edge to the upper edge of the outer member and its lower edge to the lining member within the container, and a stiffening member secured between the upper edges of said inner and outer members of the upwardly extending portion of the bag and extending between the lower edges of said portion.

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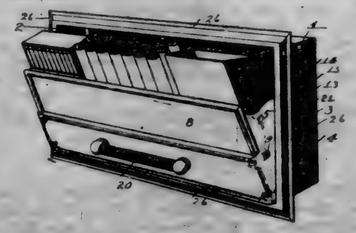
1,556,353. CONTAINER. GORDON E. ROEDDING, Grand Rapids, Mich., assignor to Doerr Manufacturing Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Nov. 24, 1924. Serial No. 751,833. 4 Claims. (Cl. 206—38.)



1. In a device of the character described: a frame; a receptacle swingably mounted thereon and having a slidable member provided with a guided keeper-engaging part, the frame having a guide-bearing comprising a keeper portion and a portion extending laterally therefrom, said member's said part being guidedly movable in the bearing and into its keeper portion to hold the receptacle in closed position.

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1,556,354. ACCOUNT-STATEMENT FORM. JAMES HENRY ROGERS, Quincy, Mass. Filed Jan. 16, 1925. Serial No. 2,888. 3 Claims. (Cl. 288—66.)

1. A bill head or statement form having a plurality of spaces consecutively designated to represent calendar periods for the reception of summaries of monthly accounts.

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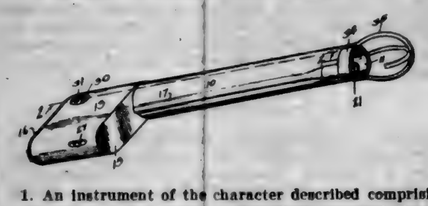
1,556,355. VETERINARY INSTRUMENT. GRANT RONEY, Swaledale, Iowa. Filed Jan. 9, 1924. Serial No. 685,152. 3 Claims. (Cl. 128—6.)



1. An instrument of the character described comprising a tubular shaped member, a light bulb mounted therein near the forward end thereof, a source of electrical energy connected to said light bulb, a mirror mounted in said tubular shaped member at an angle to the vertical, said tubular shaped member having an opening therein above said mirror and a guard member adapted to extend over the forward open end of said tubular shaped member, said guard being capable of being spread or contracted, as and for the purposes stated.

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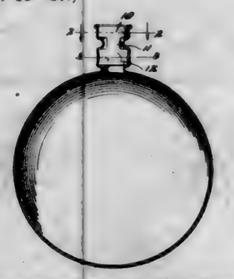
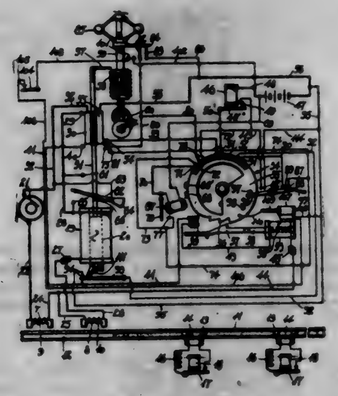
1,556,356. TOY BALLOON. ALBERT RUSSO, Pittston, Pa. Filed Dec. 10, 1923. Serial No. 679,686. 3 Claims. (Cl. 46—37.)



1. In combination with an india rubber toy balloon opening to the atmosphere through a neck of substantial length, a thin plane plate in said neck forming transversely tightly stretched neck portions on both sides thereof and parallel thereto adapted to be vibrated by the air rushing through the neck when the balloon is being deflated.



1,556,357. SIMPLEX TRAIN CONTROL. ALFRED L. RUTHVEN, Rochester, N. Y. Filed July 31, 1922, Serial No. 578,742. Renewed Sept. 3, 1925. 9 Claims. (Cl. 246—63.)



1. Vehicle controlling apparatus including a translating device having a run-down member for obtaining a predetermined condition of vehicle control, a second translating device operable for averting such condition and obtaining other conditions during the run-down movement of said member, a responsive device controlling the first-named translating device to start the run-down movement of said member, and means for changing the control by said responsive device from the first-named to the second-named translating device.

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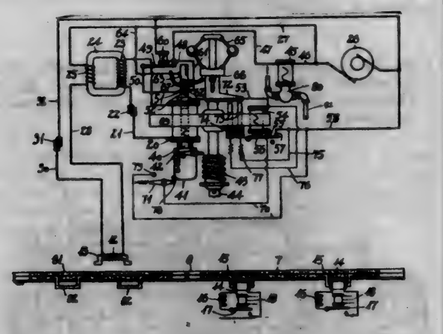
1,556,358. SIMPLEX TRAIN CONTROL. ALFRED L. RUTHVEN, Rochester, N. Y. Filed Sept. 6, 1922. Serial No. 586,471. 9 Claims. (Cl. 246—63.)



1. Vehicle controlling apparatus including an electrical translating device on the vehicle, a non-magnetic section in a rail of the track at each controlling station, a coil responsive to the magnetic portion of the rail for maintaining said device energized excepting when the non-magnetic rail section is being passed, and means associated with said non-magnetic rail section with which the coil is cooperable for energizing the translating device while passing the non-magnetic rail section.

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1,556,359. PHONOGRAPH MOTOR. CARL SCHWARTZ, Sheyboygan Falls, Wis. Filed June 16, 1924. Serial No. 720,311. 3 Claims. (Cl. 188—185.)

2. In a phonograph, the combination of an electric motor having a driving shaft, a record rotating spindle connected thereto by speed reduction mechanism, a drum carried by said driving shaft and having a diametrical passage thereacross, a circular casing surrounding said drum, a plunger slidably mounted in said passage and adapted to frictionally engage the interior periphery of said casing, a supporting member slidably carried by said drum, a spring connecting said supporting member and said plunger, a conical plug engaging said supporting member and mounted in axial alignment with said driving shaft, and micrometer means for adjusting said plunger.

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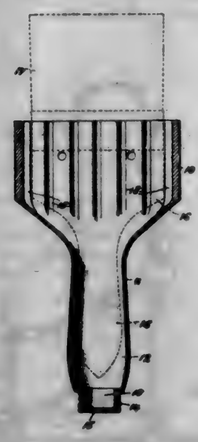
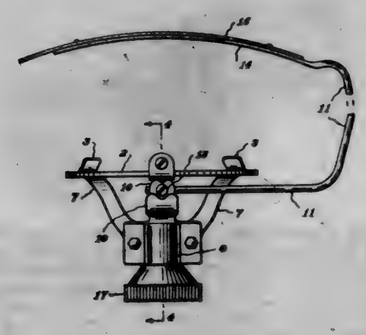
1,556,360. BRUSH HOLDER. LUTHER W. SELBY, Arapaho, Okla. Filed Aug. 29, 1924. Serial No. 734,970. 2 Claims. (Cl. 15—248.)



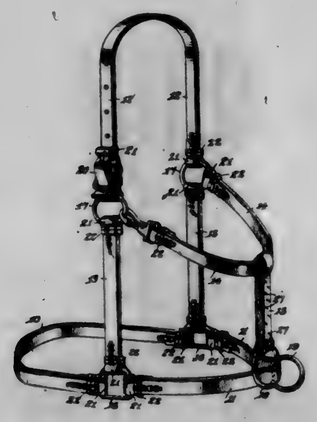
1. The combination with a brush having an elongated handle, of a hollow auxiliary handle, of a hollow auxiliary handle open at one end to receive the handle of the brush, said auxiliary handle having its inner walls provided with longitudinally disposed spaced grooves extending inwardly from the open end adjacent the brush bristles and cooperating with the brush handle to provide drain passages for directing surplus liquid from the brush into the opposite end of the auxiliary handle, a normally closed drain outlet for the last mentioned end of the auxiliary handle and means for removably securing the auxiliary handle in place.

1,556,861. DIRECTION INDICATOR. FRANK SIMONIST, Coopersburg, Pa. Filed Nov. 26, 1923, Serial No. 677,102. Renewed Aug. 19, 1925. 4 Claims. (Cl. 116—45.)



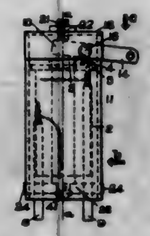
1. The combination with a spot-light for a vehicle, of a direction indicator comprising an attaching structure for detachable engagement with the spot-light, an arrow carrying rod supported from said bracket and extending partially about the spot-light, and an arrow carried by said rod and movable in front of the lens of the light, and a thumb-button connected to said rod for moving the rod and arrow.

1,556,862. HALTER. JOSEPH SILBERT, Winnipeg, Manitoba, Canada. Filed Jan. 15, 1925. Serial No. 2,679. 3 Claims. (Cl. 54—24.)



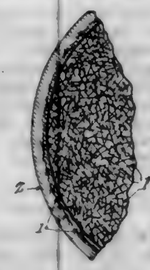
3. A halter member formed of a section of flexible material initially of double width and folded upon itself longitudinally with the end portions folded upon the same to form loops to receive ring devices, said folded over end portions and the adjacent portions of the longitudinally folded body being provided respectively with a plurality of clefts which register when the parts are superposed, and a lacing having a cleft at one end and looped through the lacing cleft and back and forth through the spaced registering clefts.

1,556,863. ELECTROMAGNET. EDWIN C. SMITH, Providence, R. I., assignor to Rhode Island Warp Stop Equipment Company, Pawtucket, R. I., a Corporation of Maine. Filed Dec. 10, 1920, Serial No. 429,723. Renewed July 11, 1925. 12 Claims. (Cl. 195—21.)



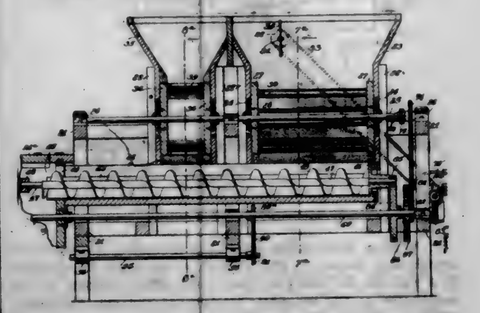
1. The combination with a magnet coil and its core, of a case in which the coil and core are mounted, an armature, a sliding cover for the case, and a pin to lock the cover to the case on which pin the armature is mounted.

1,556,364. REENFORCED GLASS. JOHN C. SMITH, Chicago, Ill., assignor to Solar Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 31, 1923. Serial No. 629,067. 6 Claims. (Cl. 49—92.)



2. A reenforced glass having a layer of loosely matted short filaments interposed between the inner and outer surfaces of the glass.

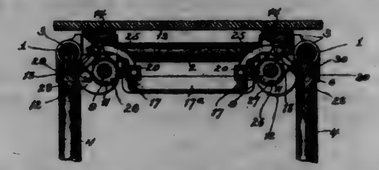
1,556,365. MACHINE FOR PREPARING FOOD SUBSTANCES. WILLIAM A. SMITH, Clarkson, N. Y. Filed Nov. 19, 1920. Serial No. 425,091. 17 Claims. (Cl. 99—2.)



1. An apparatus for preparing food compounds comprising a horizontally elongated cooking container, means for receiving, mixing and supplying the ingredients to said container adjacent one end thereof, a device for advancing the compound through said container, and conducting means for directing a plurality of jets of steam upwardly through said compound during the passage thereof through said container.

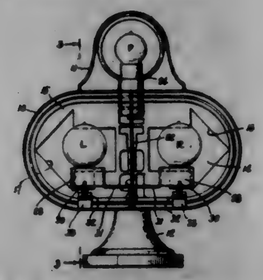


1,556,866. TRUCK OR TRANSPORTING DEVICE. GEORGE E. SMOUSE, Washington, D. C. Filed May 28, 1925. Serial No. 33,488. 7 Claims. (Cl. 254—2.)



1. In a transporting device of the character described, the combination with a frame, a support member, and operating means for raising and lowering the support member of braking means connected with said operating means, said braking means comprising an eccentric wheel carried by a moving part of said operating means and a brake band engaging said eccentric brake wheel and connected with the frame, whereby the braking means will be gradually applied during the lowering of the support member and gradually released during the raising of the support member.

1,556,367. DIRECTION SIGNAL. EDWARD SOULE, Brooklyn, N. Y. Filed Mar. 7, 1922. Serial No. 541,747. 1 Claim. (Cl. 177—329.)

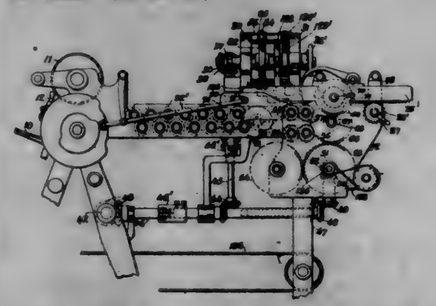


In a direction signal, the combination of a casing having a partition extending therethrough to form two compartments, a lamp located in each compartment, a socket in each compartment to support said lamp, a pair of spring shanks connected to said partition and to the individual sockets to support the lamps in spaced relation to the partition and to the bottom of the casing, and contacts upon the bottom of said casing, said spring shanks acting in co-operation with the contacts to maintain resiliently the lamps in proper circuit.

1,556,868. MOLDING FLASK. JOHN A. SPERRY, Munnsville, N. Y. Filed Apr. 19, 1922. Serial No. 555,574. 7 Claims. (Cl. 22—110.)

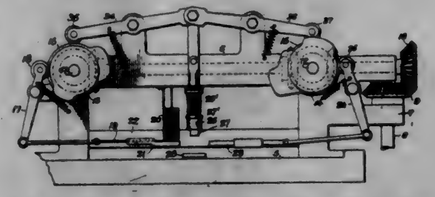
1. In a device of the class described, in combination with a flask comprising two or more parts, means to center and hold said parts in definite relation including apertured plates mounted on the contacting faces of one of said parts, and pins on another of said parts adapted to enter said aperture, each of said pins having a rigid member and a resiliently held member normally spaced therefrom.

1,556,869. ENVELOPE MACHINE. JACOB STIRISS, New York, N. Y. Filed Aug. 26, 1921. Serial No. 495,611. 22 Claims. (Cl. 93—61.)



1. In a clasp envelope machine, the combination of rollers comprising feeding and creasing means, folding means, a plunger adapted to affix the clasp in the back of the envelope, means for affixing a reinforcing patch to the flap of the envelope, and a punch adapted to perforate the reinforcing patch.

1,556,870. ENVELOPE MACHINE. JACOB STIRISS, New York, N. Y. Filed Dec. 1, 1922. Serial No. 604,175. 3 Claims. (Cl. 1—2.)

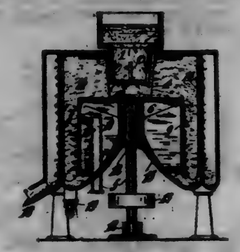


1. In an envelope machine, a container for a stack of clasp blanks, a reciprocating anvil, a reciprocating feed plunger adapted to feed a clasp blank from said container and deposit the same upon the anvil, a reciprocating fastener forming and inserting plunger adapted to coact with the blank clasp on the anvil and form spurs thereon and adapted to set said formed clasp in an envelope, reciprocating means adapted to clinch the inserted spurs to the envelope, and cam means for actuating the anvil, the feed plunger, the fastener forming and inserting plunger and the reciprocating clinching means.

1,556,871. SPECTACLE FRAME. JACOB STIRISS, New York, N. Y. Filed Oct. 9, 1923. Serial No. 667,516. 7 Claims. (Cl. 88—53.)

1. In spectacle frames, the combination of a frame split at each side and having sockets at each side of and parallel with the split, and locking means said in the sockets to unite the split ends and carried by the temples.

1,556,372. SEPARATOR. WILHELM THALER, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contract Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 31, 1923. Serial No. 615,978. 11 Claims. (Cl. 92—54.)



1. In a separator, in connection with an outside shell, a rotary shaft arranged in bearings on the outside of the shell, an entrance having its orifice centrally arranged in an arch-shaped manner above the rotary shaft, a basket having a perforated periphery extending from a hub-plate rigidly connected to said rotary shaft, a plurality of wings extending radially from the shaft on the hub-plate of said basket, a plurality of wings extending axially on the basket along its perforated periphery and being integral with the wings on the hub-plate, a sieve mantle mounted on the shell around the perforated basket and wings thereon, means to supply water to the inside space of the basket along its peripheral side, an outlet in the outside shell below the sieve mantle, an outlet in the outside shell communicating with the inside space of the sieve mantle, and means for rotating said shaft.

1,556,373. PLANT SUPPORT. HERMAN THOENI, Spokane, Wash. Filed Aug. 25, 1923. Serial No. 659,378. 2 Claims. (Cl. 47—47.)

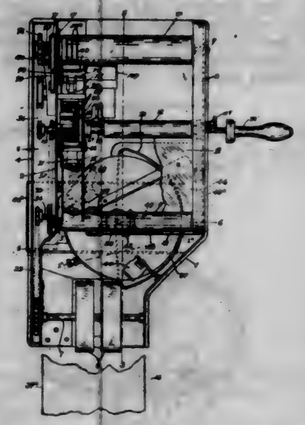
2. A plant support consisting of arms adapted to surround a plant, a fastening arm having an eyelet, and the first mentioned arms having hooks detachably engageable with said eyelets, securing portions for said arms, a clamp from which said securing arm and securing portions extend, and supporting means engageable by said clamp.

1,556,374. GRINDING APPARATUS. ELMER E. THOMAS, Hardin, Ill. Filed Apr. 19, 1924. Serial No. 707,677. 5 Claims. (Cl. 51—43.)

1. An apparatus of the class described comprising a drum, provided with heads, one of said heads being removable, said drum being provided in its peripheral wall with an opening, tubular members supported for endwise movement, and rotatable movement, means for securing each of said members and a head of the drum, a grinding element rotatably supported within the drum and supported for movement with respect to the peripheral wall of the drum, means extending through one of the tubular members for regulating such move-

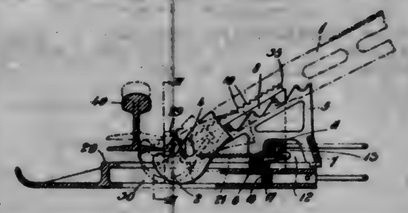
ment of the grinding element with respect to the peripheral wall of the drum, and means disposed through the second tubular member and coacting with the grinding element for rotating the same.

1,556,375. ENVELOPE SEALING AND STAMPING MACHINE. GUY E. TIPPT, Detroit, Mich., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Filed Sept. 20, 1920. Serial No. 411,465. Renewed Mar. 5, 1925. 11 Claims. (Cl. 216—3.)



1. In a device of the character described, the combination with a work feeding roller, of a cooperating non-rotative work feeding member, a bracket projecting above said roller and providing a support for said cooperating member, and a guide member for the work adjustably mounted upon said bracket.

1,556,376. LIFTING APPARATUS FOR RAILWAY TRACKS. ERIK TIMANDER and GÖSTA TIMANDER, Orsa, Sweden. Filed Apr. 29, 1925. Serial No. 26,648. 9 Claims. (Cl. 254—121.)

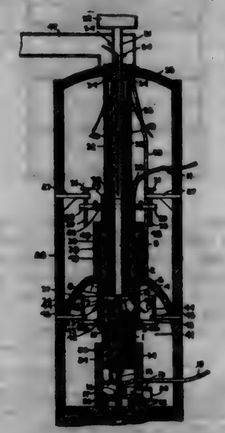


1. A lifting apparatus for railway tracks, comprising a base plate, a lifting member movable thereon and consisting of two firmly united plates situated at a distance from one another and provided with a series of notches,



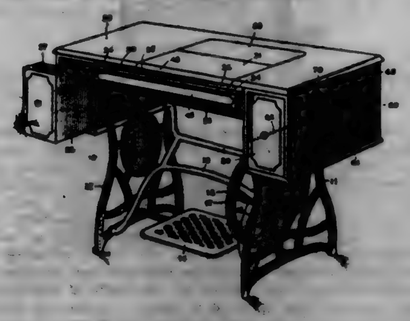
a movable stopping member, consisting of two united plates one on each side of the lifting member and each provided with teeth the said two members being connected by springs which are stretched at a forward motion of the lifting member and thereby tend also to move the stopping member forward, and a detachable lifting lever between the two plates of the lifting member, the said lever being provided with studs to be placed in the notches of the lifting member.

1,556,377. ELECTRIC FURNACE. STEPHEN L. TINGLEY, Boston, Mass., assignor to Smelters, Refiners & Chemicals Corporation, Nitro, W. Va., a Corporation of Virginia. Filed Dec. 13, 1920. Serial No. 430,114. 25 Claims. (Cl. 204—64.)



1. A pair of electrodes for an electric furnace, one of said electrodes having a shape relative to the other such as to produce a plurality of concentric annular arcs.

1,556,378. SEWING-MACHINE CABINET. ANTONIO TOPASSI, Stapleton, N. Y. Filed Nov. 6, 1924. Serial No. 748,292. 9 Claims. (Cl. 45—138.)



1. In a sewing machine cabinet, the combination of a top provided with an opening to permit the raising of the head of the sewing machine therethrough, closure means for said opening comprising a plurality of closure members arranged in substantially facial alignment when the closure means is in its closed position and pivotal means connecting said closure members to one another and serving to support the sewing machine head when the closure means is in its open position.

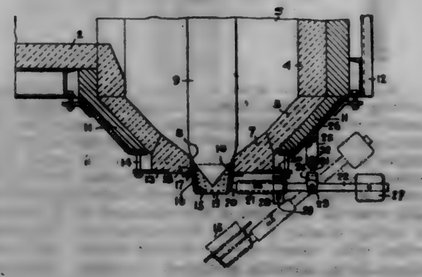
1,556,379. STOP-CYLINDER PRINTING PRESS WITH FRONT DELIVERY. FRIEDRICH OSKAR V. TRAITTEUR, Frankenthal, Germany. Filed Apr. 11, 1924. Serial No. 705,939. 4 Claims. (Cl. 101—276.)

1. A stop cylinder printing press comprising an impression cylinder having an impression surface and a non-impression surface each provided with a gripper; and an auxiliary cylinder associated with the impression cylinder which is adapted to receive the sheet to be printed from the non-impression surface of the impression cylinder and transfer it to the impression surface of said impression cylinder in order to remove the printed sheet directly from the impression cylinder to prevent blurring of the ink.

1,556,380. LOCK. GUILLERMO TREJO, New York, N. Y. Filed Aug. 10, 1923. Serial No. 656,677. 3 Claims. (Cl. 70—3.)

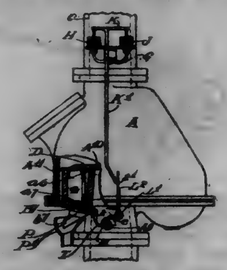
1. In a lock, a casing having a number of keyholes in the face thereof united by a slot, a bolt, a shutter covering the keyhole through which access is had to the bolt, a locking element applied to the shutter, said locking element being accessible for release by the key for releasing the said bolt when the said key is inserted into the said slot.

1,556,381. METHOD AND APPARATUS FOR CASTING PLATE GLASS. FRANK E. TROUTMAN and CHARLES H. CHRISTIE, Butler, Pa. Filed Apr. 18, 1922. Serial No. 552,340. 38 Claims. (Cl. 49—55.)



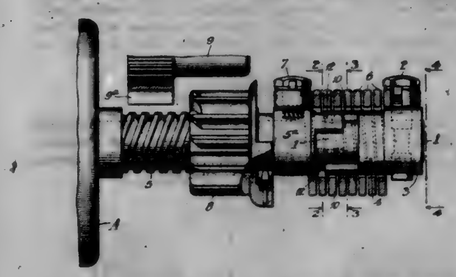
1. The method of casting plate glass that comprises flowing the glass through a downwardly opening outlet in a receptacle, checking the descent of the sides of the issuing glass and causing a portion of said glass to form a discharge throat, and discharging another portion of glass through the said glass-lined discharge throat upon a casting table.

1,556,382. DRY-PIPE-VALVE-ACCELERATING DEVICE. EMIL TYDEN, Evanston, Ill. Filed Aug. 25, 1923. Serial No. 659,333. 4 Claims. (Cl. 169—22.)



1. In a dry pipe sprinkler system, in combination with a dry pipe main valve, constructed for exposing different areas to the water and air pressures respectively, at its opposite sides, and having for that purpose, at the water inlet side, a chamber in which the pressure is normally substantially atmospheric; a port through the dry pipe main valve for communicating from the air pressure region beyond said valve to said atmospheric pressure chamber, a valve controlling said port; means in the atmospheric pressure chamber for opening said valve; an expansible and reducible chamber device exposed to the air pressure from the system reaching different areas of the moving wall of said device through two unequal ports, whereby change of air pressure in the system causes temporarily unequal pressures at said different areas, and connections from said device for actuating said valve opening means.

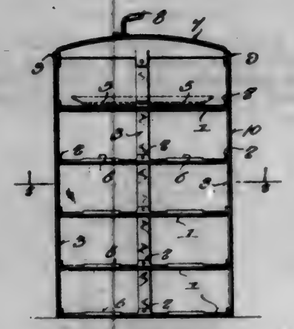
1,556,383. ENGINE STARTER. HENRY E. VAN NESS, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed June 28, 1918. Serial No. 242,347. 1 Claim. (Cl. 74—7.)



A transmission or drive for engine starters, including a driving and a driven element, and a spring operatively connecting them for initial driving, said elements having complementary tongues and slots permitting a limited relative movement one with respect to the other and adapted to operatively engage each other for direct driving at the end of such limit, the said tongues and slots being so constructed and arranged as to permit the driven element to move longitudinally in either direction with respect to the driving element and said tongues being normally positioned in contact with one side of their slots.

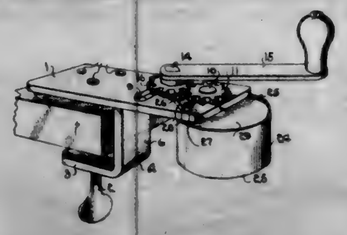
1,556,384. SERVING RACK. PAUL VEHLING and HUGO VEHLING, Milwaukee, Wis. Filed May 7, 1923. Serial No. 637,168. 1 Claim. (Cl. 45—71.)

A serving rack for plates comprising a top of sheet metal having downturned marginal portions and having a carrying handle attached to its upper side, a plurality of shelves positioned beneath said top and spaced from said top and from each other, a pair of diametrically arranged vertical strap-like members rigidly secured to said top and to each of said shelves, a third strap-like member positioned intermediate the strap-like members of said pair and secured to said shelves and to said strap, the space between said pair of strap-like members being open on the side opposite said third



strap-like member, each of said shelves having upturned flanges on the side opposite said third strap-like member and each of said shelves having upturned ribs intermediate their center and peripheral edges and adapted to engage the bottom flange of a plate, and a cover secured to said serving rack and having overlapping edges positioned on the side opposite said third strap-like member.

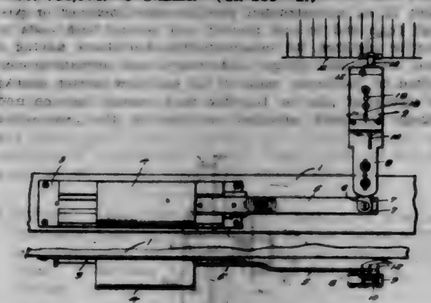
1,556,385. CAN OPENER. ROBERT H. WALLER, Nashville, Tenn., assignor, by mesne assignments, to The Quicksafe Manufacturing Corporation, Nashville, Tenn., a Corporation of Delaware. Filed Dec. 7, 1922. Serial No. 605,395. 7 Claims. (Cl. 30—3.)



1. In a can opener, the combination of co-operating elements for cutting the can, comprising a rotary cutter and a roller for engagement with opposite surfaces of the bead of the can, parallel studs on which said elements are mounted, a fixed plate having a fixed bearing for one of said studs and having a slot transverse to the line connecting the axes of said studs when said elements are in coacting position, the other one of said studs being mounted directly in said slot for movement lengthwise thereof and guided by the walls of said slot, gears on said studs adapted to mesh to drive one positively from the other, and a crank handle for rotating one of said studs, the stud in said slot being pressed against one end thereof by coaction of its gear with the coacting gear during operation of the device, the teeth of said coacting gear, upon reverse movement of said crank handle, bearing against the teeth of said first-named gear, and thereby having a tendency to move the stud in said slot lengthwise thereof and carry one of said elements out of operative relation to the other element.



1,556,386. STARTING GAUGE FOR LOOMS. JOHN F. WAY, Norwich, Conn. Filed Oct. 18, 1924. Serial No. 744,366. 5 Claims. (Cl. 139—1.)



1. A starting gauge for looms comprising a housing, an arm slidably mounted into and out of said housing, a supporting member adjustably mounted on said arm, and a gauge carried by said supporting member, said supporting member being adapted to be adjusted relatively to said arm to permit introduction of the gauge carried thereby into the housing for protection when not in use.

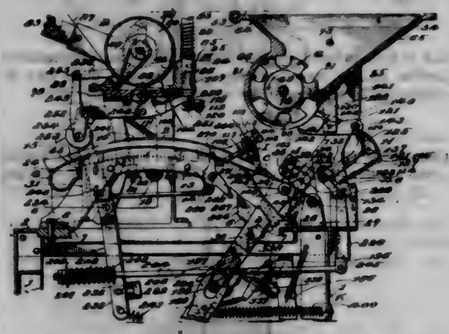
1,556,387. PIPE OR FLUE EXPANDER. HARVEY E. WILLIAMS, St. Joseph, Mo. Filed Mar. 20, 1924. Serial No. 700,669. 2 Claims. (Cl. 153—81.)

1. In a pipe expander, a mandrel having a substantially elongated body portion of equal diameter throughout and further having a portion thereof formed to provide a bearing, a bearing box encasing said bearing, said box having radial through passages extending from the center thereof, a fixed apertured bearing plate upon said mandrel, and revoluble trunnioned rollers extending between said plate and bearing box and bearing against said body portion, each roller having one trunnion in an aperture in said plate and another trunnion in one of said through passages.

1,556,388. VARIOCOUPLER. DAVID H. WILSON, Miami, Fla. Filed Feb. 17, 1925. Serial No. 9,786. 8 Claims. (Cl. 171—242.)

6. A variocoupler instrument including a pair of stators having windings connected in series and wound in opposite directions, a pair of rotors having windings in opposite directions and connected in series, each rotor being associated with a respective stator, a common shaft whereon said rotors are fixed with their axes parallel to each other and at right angles to the axis of the shaft, a second pair of stators opposite the first pair and having windings connected in series and wound in opposite directions, the second pair of stators being connected in series to the first pair and having their respective windings in directions opposite to the opposed stators of said first pair, and means to move said stators toward and from said rotors, said last means being arranged to effect movement of each pair of stators independently of the other pairs.

1,556,389. CIGAR-WRAPPING MACHINE. JASPER STANLEY WINGET, York, and AUGUSTIN CONVERSE WINGET, Tyrone, Pa. Filed Dec. 18, 1923. Serial No. 681,367. 12 Claims. (Cl. 93—5.)



1. A machine for wrapping cigars or the like, comprising a belt, a reciprocating mechanism carrying gripping means for holding the ends of a wrapper, a wrapper feed mechanism for feeding the wrapping material, a mechanism for cutting the wrapping material, means for depositing the severed wrapper upon the belt, and means for closing the gripping means after the wrapping is completed.

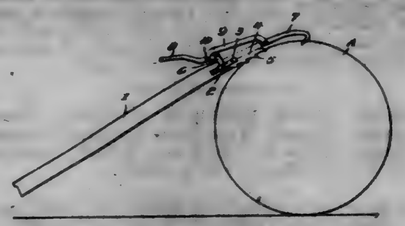
1,556,390. RAINCOAT. KATHERINE B. WOODLEY, Oak Park, Ill., assignor of one-half to Bertha Bowen, Chicago, Ill. Filed June 19, 1924. Serial No. 720,908. 11 Claims. (Cl. 2—87.)

1. A garment having a body portion and a hood portion formed of one piece of waterproof paper, said piece being cut on a substantially continuous curved line to form the lower or outer margins of said body portion, and also being cut on a curved line adjacent the center of area thereof to form said hood portion, said material being crimped or folded along lines radiating toward said margins.

1,556,391. SAWMILL DOG. DAVE WYMORE, Gardiner, Oreg. Filed July 8, 1924. Serial No. 724,796. 1 Claim. (Cl. 143—126.)

A device of the class described including an elongated member, a bracket mounted thereon, a saw mill dog comprising an elongated bar pivoted on said bracket, teeth formed on the lower edge of the bar and adapted for engagement with a log, an angular extension fixed to the pivoted end of the bar, a second saw mill dog comprising

a hook disposed forwardly of the bar, an actuating lever pivoted at one end to the upper end of the extension,



and a link pivoted to said hook and to an intermediate portion of the lever whereby the saw mill dogs may be simultaneously operated by swinging the lever.

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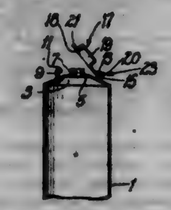
1,556,392. CLOSURE. WALTER A. YARGER, St. Louis, Mo. Filed Jan. 2, 1925. Serial No. 80. 6 Claims. (Cl. 221—60.)



1. In combination with a collapsible tube comprising a container, a breast, and nozzle therefor; a closure for said tube comprising a cap for said nozzle adapted to be seated on the said breast of the tube adjacent the base of said nozzle, a lost-motion hinge on the breast for the cap whereby the cap may rotate vertically or laterally about a point within said hinge, a latch arm on the breast, a lug on said cap adapted to engage said latch arm in such a way as to force said cap to said seat with said hinge acting as a fulcrum.

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1,556,393. REFILLABLE FUSE. DALE W. YAMBERT, Toledo, Ohio. Filed Nov. 19, 1919. Serial No. 339,150. 8 Claims. (Cl. 200—132.)

1. A fuse having an enclosure, an element for electrical circuit interruption in said enclosure, and anchoring means having a scale disclosing indication in coaction with the enclosure, said means being for the purpose of disclosing the identity of the element for fuse operation.

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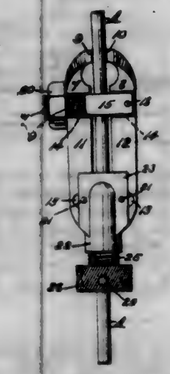
1,556,394. HAND VISE. MAX CHRISTIAN ZANGS, Cincinnati, Ohio. Filed Oct. 16, 1922. Serial No. 594,708. 1 Claim. (Cl. 81—18.)

In a work-holding hand-vise or hand-chuck implement, the combination of a pair of jaw carrier-members having engaged openings in the lower tapered ends of their shanks or body-portions, transversely-elongated grip-jaws provided at the upper ends of the said jaw carrier-members, an open split-ended draw-bolt adapted to span the upper ends of the said carrier-members beneath said grip-jaws and to be pivotally-connected at its outer split end to the adjacent jaw carrier-member, a thumb-nut mounted on the threaded closed end of said draw-bolt and adapted to initially close the grip-jaws on the work that is extended downwardly through the implement in an unobstructed straight axial manner or passage from end to end thereof and beyond both ends as may be required, an internally-threaded sleeve having a pair of spaced upright side-wings and adjustably-connected to the lower ends of the said jaw-carrier shanks by means of pins or the like that extend through and engage the said enlarged openings in the jaw-carrier



shanks, and an externally-threaded spreader having a wedge-shape upper end for expanding-engagement with the said lower tapered ends of the jaw-carrier shanks and, also, for engagement with the said internally-threaded sleeve, and, also, having a manipulating-head at the outer end of said spreader or expander for use in turning the latter in opposite directions for the final tight gripping of the jaws on the work and permitting their release, respectively, substantially as herein shown and described.

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1,556,395. HEEL-BUILDING MACHINE. WILLIAM HENRY ALBEE, Marlboro, Mass., assignor to B. A. Corbin & Son, Company, Marlboro, Mass., a Corporation of Massachusetts. Filed Oct. 22, 1923. Serial No. 669,973. 6 Claims. (Cl. 12—50.)

1. In a heel building machine, the combination of a ram, a chute into which the heels are forced by said ram, and means associated with said ram for positioning a heel rand in operative relationship thereto.



1,556,396. RECOVERING OILS. VICTOR S. ALLEN, Wilmington, Del., assignor to Darco Corporation, Wilmington, Del., a Corporation of Delaware. Filed Jan. 10, 1922. Serial No. 530,454. 1 Claim. (Cl. 196—16.)

In the treatment of crank case oil and the like to recover lubricating oil therefrom, the process which comprises settling said oil in a warm condition, removing further impurities by centrifugal action, steaming the oil to free it of volatile oils, removing solids by centrifugal action and finally treating with fuller's earth, an addition of decolorizing carbon being made to the oil prior to one of the centrifugal separations.

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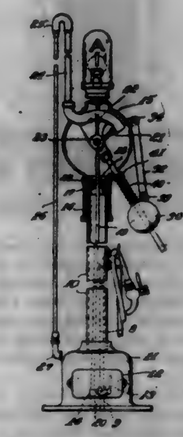
1,556,397. AIR-SUPPLY TOWER. ROLLIN L. BACHER, Cleveland Heights, Ohio, assignor to The United States Air Compressor Co., Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 1, 1922. Serial No. 604,189. 11 Claims. (Cl. 299—77.)



1. A device of the character described comprising in combination a support, an arm mounted on the support and adapted to be moved relatively thereto, a flexible hose depending from the arm and having at its lower end a connection for a tire valve, a counterweight tending to raise the arm, and means for increasing the distance between the counterweight and the pivot of the arm when the arm is lowered.

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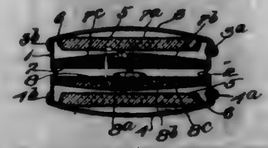
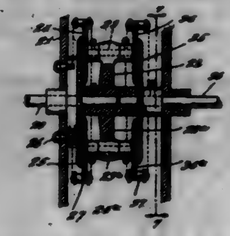
1,556,398. VANITY CASE. HOWARD M. BALLOU, North Attleboro, Mass., assignor to R. Blackinton & Co., North Attleboro, Mass., a Copartnership. Filed Nov. 22, 1923. Serial No. 676,446. 9 Claims. (Cl. 132—83.)



1. A vanity case embracing in its construction an annular body with open ends, covers for closing the respective ends, the body being provided with an interiorly projecting ledge, and powder-carrying plates provided with means for detachably connecting them together with their edges in engagement with opposite sides of said ledge, substantially as described.

1,556,399. SPEED-CHANGE MECHANISM. GEORGE M. BARTLETT, Indianapolis, Ind., assignor to Diamond Chain and Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Dec. 10, 1924. Serial No. 754,928. 9 Claims. (Cl. 74—84.)



1. A speed-changing chain-drive, comprising the combination of a sun sprocket and a planet sprocket with portions of their disks overlapping, and an endless chain engaging the teeth of both sprockets.

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1,556,400. DIRECTION INDICATOR FOR MOTOR VEHICLES. GEORGE E. BATES, Syracuse, N. Y. Filed Mar. 26, 1924. Serial No. 702,129. 9 Claims. (Cl. 116—51.)

1. In a traffic signal, the combination of a case provided with a wall having a window opening and a lamp in the rear of the wall, a movable direction indicator member arranged in line with the window and movable about an axis located substantially centrally of the window, the indicator member comprising a back-ground wall and an indicator portion carried by the background wall and movable therewith when the indicator is moved about its axis, the background wall being arranged between the window and the lamp and one of said walls being provided with means to give color to the light passing through the window from the lamp and means for operating the background about its axis.

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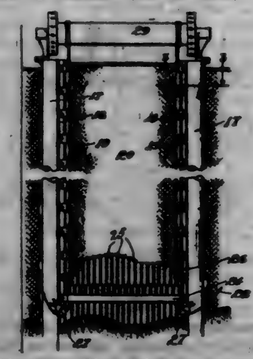
1,556,401. FISH-TRAP APRON. WILLIAM C. BECKMANN, Berkeley, Calif. Filed Dec. 1, 1924. Serial No. 753,165. 8 Claims. (Cl. 43—100.)



1. In combination with a fish trap having a heart wall opening therein, upright members at the sides of said opening and stationary relative to said trap, an apron

adapted to form a closure between said upright members, connections between the sides of said apron and said upright members, said connections permitting said apron to be vertically moved relative to said upright members, and means at the lower end of said apron adapted to automatically conform to the bottom and to cooperate with the apron proper to effect a complete closure of the space intermediate the uprights.

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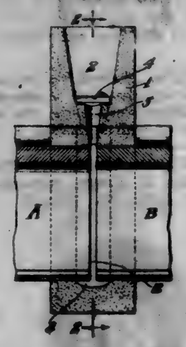
1,556,402. METHOD OF AND APPARATUS FOR WELDING RAILS. EDWARD F. ENGLEHUF, Jersey City, N. J., assignor to Metal & Thermit Corporation, Chrome, N. J., a Corporation of New Jersey. Filed Aug. 22, 1922. Serial No. 583,511. 12 Claims. (Cl. 22—204.)



1. The method of forming sound homogeneous rail joint welds, which comprises enclosing the ends of the rails to be welded in a mold provided with a space to define the welding joint including a space between the ends of the rails, providing a pouring gate so positioned and communicating with the joint defining space as to deliver the welding metal first to the space surrounding the base of the rails without contacting with other portions of the rails and finally to cause the metal to flow transversely around and between the upper portions of the rails, and pouring a molten metal into said mold to fill the space therein.

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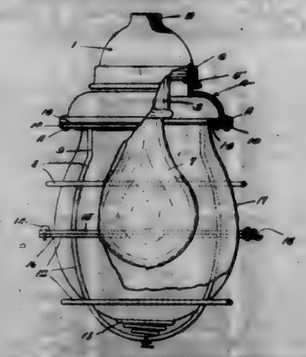
1,556,403. INCANDESCENT ELECTRIC-LAMP FIXTURE. CARL H. BISSELL, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a Corporation of New York. Filed Dec. 4, 1923. Serial No. 678,514. 1 Claim. (Cl. 240—102.)



In an incandescent electric lamp fixture, comprising a cup-shaped body having an opening in its larger end, a lamp socket mounted in the body, and exposed through the opening, a lamp guard, comprising a base having a threaded neck, threading in the open side of the body, the base flaring outwardly from the neck, a cage carried by the base and secured to the outer margin thereof, the cage having a removable lower portion, a globe thrusting against the outer end face of the base, and a spring carried by the removable portion of the cage and thrust against the lower end of the globe.

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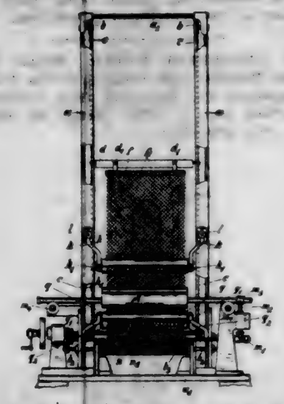
1,556,404. SOLDERING MACHINE. WILHELM BITTROLF, Pforzheim, Germany, assignor to Ernst Gideon Bek, Pforzheim, Germany. Filed Jan. 31, 1923. Serial No. 616,201. 11 Claims. (Cl. 113—59.)



1. In a soldering machine of the described class the combination of a vertically guided chain mail carrier, adapted to carry chain mail to burners to solder the same, means to suspend chain mail vertically hanging on said carrier, burners placed at both sides of the chain mail, means to move downward the said carrier and means to convey the mail sideward below the burners.

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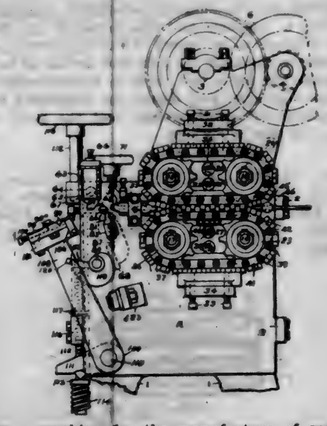
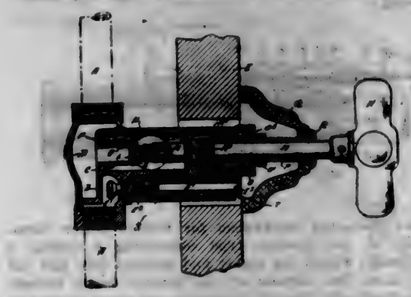
1,556,405. AUTOMATIC SPRING MACHINE. WILLIAM H. BLEUEL, Pittsburgh, Pa. Filed Sept. 23, 1922. Serial No. 589,989. 21 Claims. (Cl. 153—65.)



1. In a machine for the manufacture of springs, the combination of means for feeding the material, means for coiling the material, means whereby the operation of the machines stores power, means for releasing the power stored at predetermined intervals, means for regulating the amount of power stored, and means for severing the formed springs from the material engaged by the feeding means actuated by the release of said stored power.



1,556,406. BY-PASS VALVE WITH STOP AND MOUNTING THEREFOR. LEON BLOCH, Cleveland, Ohio, assignor to The Republic Brass Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 2, 1925. Serial No. 20,002. 6 Claims. (Cl. 277—68.)



1. The combination with a valve casing having a main valve and stem, said stem extending through a wall opening, of a supplemental cut off valve and stem, said stem extending into the wall opening, and an escutcheon arranged upon the main valve steam and concealing the wall opening and supplemental valve stem.

6. The combination with a valve casing having two openings, one of said openings having a tubular seat arranged therein, of a main valve seating upon said seat, a stem for said valve, said valve casing having a chamber for said main valve and stem, a supplemental valve and stem, said supplemental valve being adapted to close the inlet opening in said valve casing, a housing connected to the casing and in which the supplemental valve stem works, said housing and casing chamber being adapted for location in a wall opening, the outer end of the supplemental stem being located adjacent the outer edge of said opening, means for closing the ends of the chamber and housing, the outer end of the supplemental stem being shaped to receive an operating tool, an operating handle upon the end of the main stem and means carried on said stem for covering the wall opening and concealing the outer ends of said chamber and housing.

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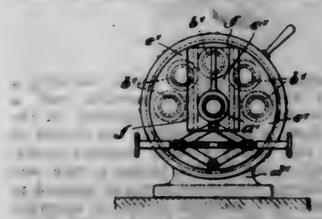
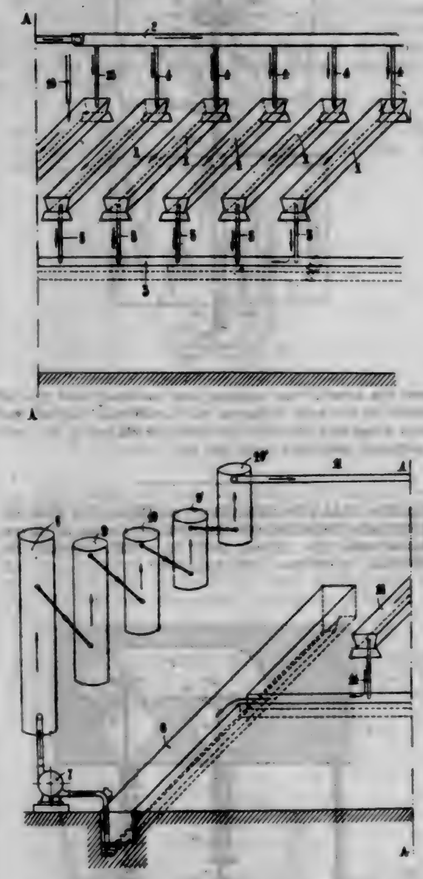
1,556,407. VALVE GEAR FOR PIPES WITH SEVERAL BRANCHES. ALFRED BÖTTCHER, Dusseldorf, Germany. Filed Sept. 1, 1921. Serial No. 497,796. 1 Claim. (Cl. 277—7.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



A valve system, comprising two members in tightening and rotary sliding engagement with each other and one of them stationary and formed with a plurality of apertures and the other one rotatable and formed with a single aperture located in position for being brought in line with the apertures of stationary member, a slide mounted on said rotatable member and having an aperture adapted to be brought in line with the aperture of the rotatable member, and tubular members respectively secured to the stationary member and slide and in line with the apertures thereof, the tubular member secured to the slide being constructed to follow the displacements of the slide and rotatable member.

1,556,408. PLANT TO MANUFACTURE IRON BY ELECTROLYTIC MEANS. ANTHELME BOUCHER, Paris, France, assignor to La Société le Fer, Grenoble, France. Filed Mar. 17, 1925. Serial No. 16,235. 8 Claims. (Cl. 204—11.)



1. A plant for the continuous production of electrolytic iron, comprising an electrolyzing trough provided with an anode and a cathode and adapted to circulate an electrolyte gravitally therethrough; a pipe for supplying the electrolyte to said trough; a collector tank; piping for delivering spent electrolyte from the trough to said tank by gravity; apparatus interposed between said tank and the inlet end of the supply pipe and connected to the same for revivifying the spent electrolyte; and a pump for constantly withdrawing the electrolyte from the collector tank and forcing it into and through said apparatus and thence into the supply pipe.

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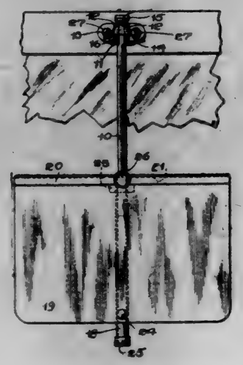
1,556,409. GLARESHIELD. IRVIN J. BOWMAN, Johnstown, Pa. Filed Jan. 5, 1924. Serial No. 684,623. 1 Claim. (Cl. 296—97.)

In an anti-glare device adapted to be supported by the windshield of a vehicle, a bar, a tube receiving the bar at one end and having its opposite end closed, the first named end of the tube having integral transversely disposed oppositely extending wings, a channel bar secured

to said wings and having its channel downwardly directed, an anti-glare shield having one edge thereof engaged in the channel of the bar and clamped be-



tween the arms of the channel and the lower end thereof secured to the tube adjacent the lower end thereof, and means extending through the tube for clamping the tube in adjusted positions upon the rod.

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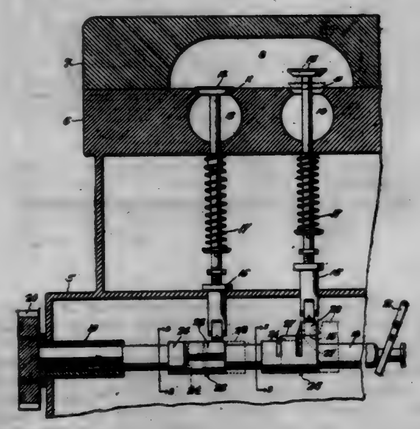
1,556,410. VALVE-OPERATING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. JAMES L. BOYER, Johnstown, Pa. Filed Dec. 12, 1923. Serial No. 680,252. 4 Claims. (Cl. 123—90.)



2. A valve operating mechanism for use with internal combustion engines having an intake and an exhaust valve, comprising a longitudinally shiftable cam shaft; a cam for the intake valve fixed to the cam shaft and designed to effect the operations of said intake valve; and a cam for the exhaust valve fixed to the cam shaft and designed to effect the operations of said exhaust valve, each of said cams having a smooth surface concentric to the shaft and designed to permit all of said valves to remain in closed position to provide for convenient and simultaneous setting of the valves and also to provide for braking the engine.

1,556,411. FLEXIBLE POWER-TRANSMISSION MECHANISM. CLEMENT BROWN, Witton, near Birmingham, England, assignor of one-half to Brown & Barlow Limited, Witton, near Birmingham, England. Filed Feb. 1, 1924. Serial No. 689,927. 6 Claims. (Cl. 74—82.)

1. An operating mechanism for flexible power transmissions of the Bowden type comprising a casing, a block housed within the casing and movable into and out of the same, one element of the Bowden device extending longitudinally through the casing and being secured to the inner end thereof, the other element of the Bowden device being secured to the blocks, and means to move the block within the casing to operate the Bowden device, said block being apertured to permit free movement of the block with respect to the Bowden element secured to the casing.

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1,556,412. CRY-PRODUCING DEVICE. ELLIOTT W. BRÜCKNER, Jersey City, N. J. Filed Apr. 6, 1922. Serial No. 549,965. 4 Claims. (Cl. 46—46.)

2. A cry producing device for toy figures including a bellows having a weighted gravity movable wall, a sounding reed through which air is expelled in the collapse of the bellows, a sound receiving box carried by said bellows wall and having a sound emission orifice, and means exterior of the bellows having a fixed connection with a relatively stationary part and adapted to be received through said emission orifice to interrupt the issuance of sounds from said sound receiving box at spaced intervals in the gravity movement of the bellows wall to its collapsed position.

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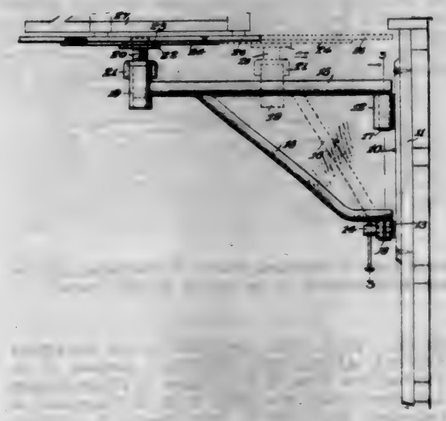
1,556,413. ADJUSTABLE SUPPORTING BRACKET. HENRY F. BUETTNER, Hampton, Iowa. Filed Dec. 12, 1924. Serial No. 755,520. 3 Claims. (Cl. 45—90.)

1. A device of the class described comprising a base member adapted to be attached to a support and having spaced vertically alined sockets, a bracket device having depending pins engaging respectively in said sockets and with an internally threaded sleeve at the free end, a threaded stud engaging in said sleeve, a laterally directed head carried by said stud and spaced below the upper end thereof, a supporting plate apertured to receive the



portions of the stud above the head and bearing on the head and attached thereto, and a platform supported on said plate.

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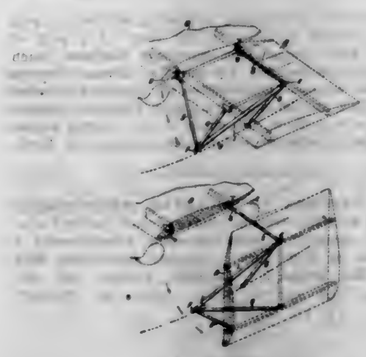
1,556,414. AEROPLANE WITH FOLDING WINGS. FRANK ARNOLD BUMPUS, Elloughton, Brough, near Hull, England, assignor to The Blackburn Aeroplane & Motor Company Limited, Yorkshire, England. Filed July 11, 1925. Serial No. 42,943. 4 Claims. (Cl. 244—12.)



1. In monoplane aeroplanes having folding wings in which said wings are divided from each other about centrally of the machine and from the leading to the trailing edges; the combination of a central fuselage, an outstanding bracket on each side of said fuselage, a bearing carried at the outer extremity of said bracket, a wing pivotally mounted on said bearing, a more forwardly located outstanding bracket fixed to the under side of each wing and extending downwards, a bearing carried on said bracket and fulcrumed on said fuselage, said two bearings being so located relatively to each other that their common axis projects from the fuselage outwards, rearwards and upwards to permit said wings to be folded from extended flying positions to positions where the chord of each wing is vertical, and means for locking the wings when in the flying position.



1,556,415. PROCESS FOR RETARDING THE DETERIORATION OF RUBBER AND SIMILAR MATERIALS AND PRODUCTS OBTAINED THEREBY. SIDNEY M. CADWELL, Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Connecticut. Filed Aug. 8, 1923. Serial No. 656,454. 16 Claims. (Cl. 18—50.)

1. A process for retarding the deterioration of rubber due to oxidation which comprises treating vulcanized rubber with an agent substantially unable to activate oxygen but adapted to absorb appreciable amounts of activated oxygen.

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1,556,416. LOOSE-LEAF BINDER. EDWARD W. CARPENTER, Bridgeport, Conn. Filed Aug. 28, 1923. Serial No. 659,737. 6 Claims. (Cl. 129—24.)

1. In a loose leaf binder, a back plate provided with openings, a pair of rods provided with oppositely disposed complementary arched arms extending through said openings, the sides of the openings extending beneath the arms to form bearings therefor, a toggle connection between said rods, and resilient means coacting with said toggle to hold the arms either together or separated.

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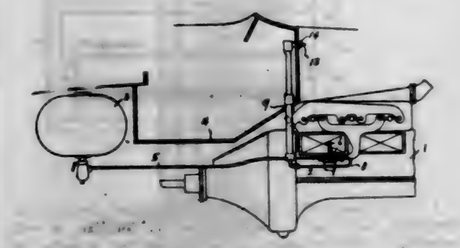
1,556,417. ATTACHMENT FOR INTERNAL-COMBUSTION MOTORS. MONROE W. CARROLL, Beaumont, Tex. Filed Aug. 5, 1924. Serial No. 730,825. 4 Claims. (Cl. 123—198.)



1. A device of the character described including a tubular conduit connected at one end into a fuel tank of an internal combustion motor, and whose other end is upturned forming a gauge tube, and formed with a transparent section, an intermediate connection between said conduit and the fuel intake of the motor carbureter, a valve controlling said conduit, and a buoyant gauge rod in said upturned end, and a tubular nipple forming a pump connection into said gauge tube, said nipple also forming anchoring means for said gauge tube.

1,556,418. HYPODERMIC-SYRINGE PROTECTOR. MOSCOW B. CARTER, Franklin, Tenn. Filed Dec. 27, 1923. Serial No. 682,971. 1 Claim. (Cl. 128—218.)

A protector for hypodermic syringes made from a blank, the same comprising side members, a yoke connecting the members at one end and having an elongated opening therein, said opening having parallel walls and curved walls joining the parallel walls, the yoke being continuous about the opening, fingerpieces at the opposite end of the members, and cooperating clips adjacent the fingerpieces to secure the side members when brought together.

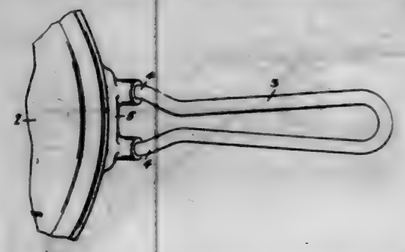
1,556,419. ILLUMINATING MEANS FOR PLAYER PIANOS AND THE LIKE. VINCENT CECI, New York, N. Y., assignor to Schmidt-Dauber Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 8, 1924. Serial No. 730,814. 15 Claims. (Cl. 240—4.)



1. In a music-roll operated mechanical musical instrument, such as a player-piano or the like, a roll-receiving compartment, a roll-supporting spindle reciprocably mounted with its outer end extending into said compartment, an electric switch provided with an operating member adapted to be actuated by said spindle, and spring means normally acting to maintain said spindle in forward position and said switch in open position.

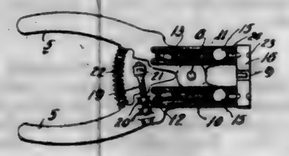
1,556,420. ATTACHMENT FOR UTENSILS AND METHOD OF MAKING THE SAME. EDWARD M. CHANDLER, New Kensington, Pa. Filed Jan. 21, 1922. Serial No. 530,948. 2 Claims. (Cl. 53—7.)

1. An attachment for an aluminum cooking or other utensil, of a different metal from that of the utensil, formed of a piece of spring metal bent in the form of a U, the free ends of said piece of metal having cast



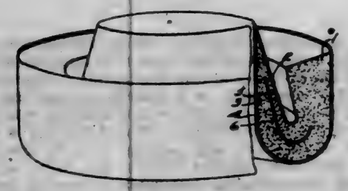
around them an attaching element of aluminum, said element being adapted to be welded to said utensil.

1,556,421. TOOL FOR DISTENDING OR DILATING DENTAL ANCHORING DEVICES. HERMAN E. S. CHAYES, New York, N. Y., assignor to Chayes System Laboratories Inc., New York, N. Y., a Corporation of Delaware. Filed May 5, 1922. Serial No. 558,656. 6 Claims. (Cl 32—10.)



1. In a tool for expanding anchoring devices, a pair of handles pivoted together in the form of a pair of pliers, and two co-operating spreader members, each connected to both handles for parallel motion towards and from each other as the handles are operated, opposed socket members on the spreaders, and a wedge member within and spaced from the walls of one of the socket members, substantially as and for the purpose set forth.

1,556,422. PROCESS OF MOLDING REENFORCED PACKING RINGS. GEORGE CHRISTENSON, North Plainfield, N. J., assignor to Johns-Manville, Incorporated, a Corporation of New York. Original application filed Apr. 4, 1922, Serial No. 549,629. Divided and this application filed Apr. 2, 1924. Serial No. 703,607. 3 Claims. (Cl. 18—55.)

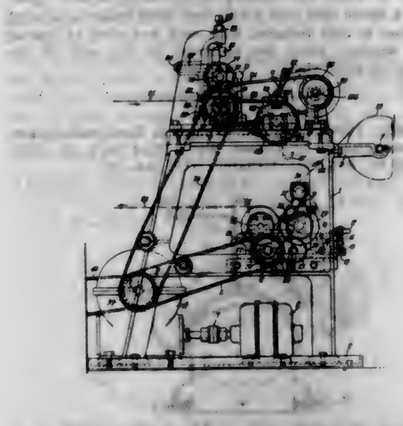


1. The process of making the herein described packing ring which comprises the following steps; first, building up a blank of three layers of plastic homogeneous material, with sheets of textile fabric interposed between the layers and one sheet surrounding the three surfaces



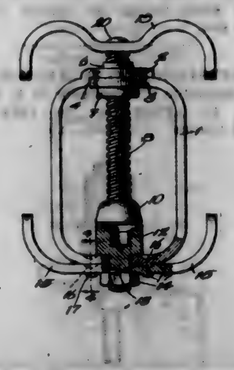
of the entire mass, two of the adjacent layers being relatively thin and of a width approximately equal to the axial dimension of the proposed packing ring, while the third layer is narrower and much thicker; second, molding the blank under heat and pressure so that the two thinner layers of homogeneous material form an inner upwardly projecting tapering lip, and the thicker layer forms an upturned heel, while the inner edges of the interior fabric layers are forced part way around the juncture of said heel and lip.

1,556,423. MACHINE FOR PREPARING COATED STRIPS. EUGENE E. CLEMENTS, New Haven, Conn., assignor to L. Candee & Company, New Haven, Conn., a Corporation of Connecticut. Filed Oct. 5, 1923. Serial No. 666,726. 16 Claims. (Cl. 91—14.)



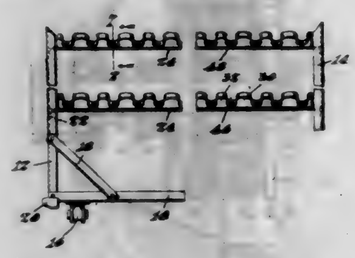
1. A machine for preparing coated strips comprising means for coating the strip, means for drying an extended portion of the coated strip, means for regularly scoring the dried strip, and means for reeling up the finished strip.

1,556,424. NUTCRACKER. FRANK B. COOK, Chicago, Ill. Filed Feb. 13, 1923. Serial No. 618,793. 6 Claims. (Cl. 146—3.)



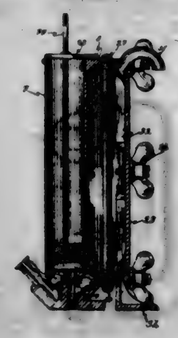
1. A nut cracker including a frame formed of a piece of strap metal whose ends overlap and are formed with holes that are aligned with each other and the opposite portion of the frame that constitutes a seat for the nuts; and a screw projecting through said holes and in threaded assembly with said frame at said holes, the inner end of said screw having a nut receiving seat thereon.

1,556,425. SHOE RACK. WARREN E. COOMBS, Boston, Mass., and CHESTER D. TURNER, Manchester, N. H., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 25, 1924. Serial No. 733,070. 4 Claims. (Cl. 211—14.)



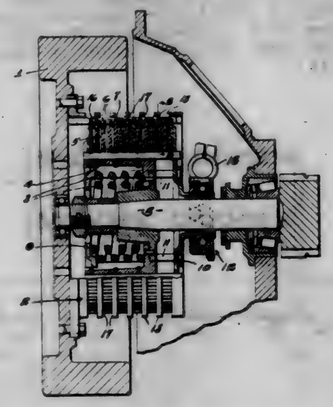
1. In a shoe rack, a series of pins for supporting shoes and maintaining them in spaced relation comprising wider pins each of sufficient width to position shoes with their outer edges closely adjacent but out of contact alternating with narrower pins each of sufficient width to position shoes with their inner edges closely adjacent but out of contact.

1,556,426. FILTER. WILLIAM L. COOP, Detroit, Mich., assignor, by mesne assignments, to Brighton Manufacturing Company, a Corporation of Michigan. Filed Dec. 8, 1924. Serial No. 754,462. 5 Claims. (Cl. 103—158.)



1. Filtering apparatus comprising a hand pump carrying a body portion having a vertically disposed clamping edge, a cover portion having a vertically disposed clamping edge, a filtering unit adapted to be held between said clamping edges, means for drawing one of the clamping edges toward the other, an inlet for liquids to the pump, an intermediate passageway from the pump to the body portion, and an outlet pipe carried by the cover portion.

**1,556,427. CLUTCH CONSTRUCTION HAVING TOOTHED FIBER DISKS.** WILLIAM REED COUGHTRY, Syracuse, N. Y., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Sept. 24, 1924. Serial No. 739,508. 8 Claims. (Cl. 192—69.)



1. In a multiple disk clutch, the combination of driving and driven elements and sets of interleaved disks interlocked respectively with said elements, one of the elements comprising a drum formed with lengthwise grooves therein, one set of disks being of fibrous material and having fiber projections slidably interlocked in the grooves, the grooves and projections being formed to provide a clearance at the bottoms of the grooves and the tops of the projections.

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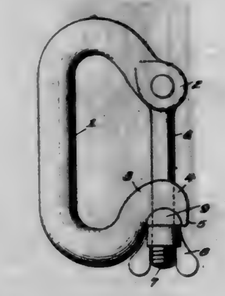
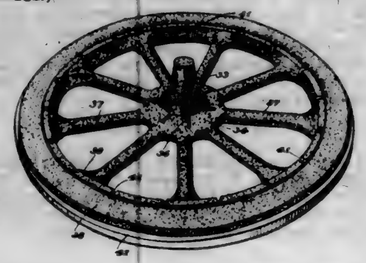
**1,556,428. SAFETY C LINK.** WINTFORD P. CUNNINGHAM, Tulsa, Okla. Filed Jan. 21, 1925. Serial No. 3,817. 2 Claims. (Cl. 24—241.)



1. A safety latch comprising a U-shaped link member, one terminal thereof being formed with a bifurcated bill having beaks extending therefrom, an eye bolt pivoted in the opposite terminal of said link and adapted to be swung into engagement with said bill, a wing nut disposed over the free end of said eye bolt, and a semi-cylindrical washer disposed over the free end of said bolt and adapted to be clamped by said wing nut under the bill and behind said beak.

**1,556,429. METHOD OF PRODUCING CAST-METAL WHEELS.** THOMAS R. DAVIS, Fairfield, Conn. Filed Oct. 1, 1923. Serial No. 665,780. 13 Claims. (Cl. 22—131.)



1. In a mold for casting a one-piece hollow spoke wheel, a spoke core and a hub core, said spoke core being connected to and integral with said hub core at spaced points whereby holes are produced in the wall of the cast hub of said wheel.

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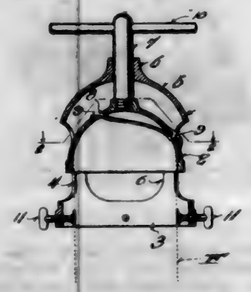
**1,556,430. POST TOPPER.** FRANK J. DAVY and JOSEPH T. NERMACHECK, La Crosse, Wis. Filed Sept. 29, 1923. Serial No. 665,588. 1 Claim. (Cl. 144—2.)



A device of the character described comprising a bracket adapted to surround the top of a post, means for securing said bracket on the post, a spherical shaped cup member rotatable and slidable within said bracket and provided with an arcuate slot extending downwardly at an angle to and outwardly from the axis of rotation of said cup shaped member, and a cutting knife secured to said cup shaped member and conforming to the contour thereof, said knife having its cutting edge extending through said slot.

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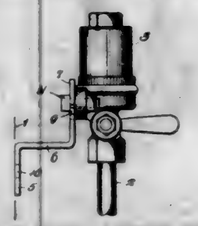
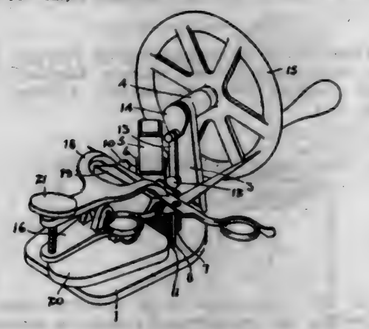
**1,556,431. RETAINING-VALVE ANCHOR.** GEORGE T. EBERMAN, Meadville, Pa., assignor to E. Payson Smith, Springfield, Ill. Filed Dec. 30, 1924. Serial No. 758,962. 4 Claims. (Cl. 303—1.)



1. The combination with a car and a retaining valve of a Z shaped bracket anchoring the valve to the car.



**1,556,432. SCISSORS-SHARPENING MACHINE.** ROBERT B. FLEMING, St. Catharines, Ontario, Canada. Filed July 16, 1923. Serial No. 651,817. 4 Claims. (Cl. 76—82.)



4. In a scissor sharpening machine, means for holding the scissor blade, a reciprocable member operating transversely of the scissor blade, and a transversely corrugated file secured in said reciprocable member and adapted to cut transverse corrugations in the edge of the scissors.

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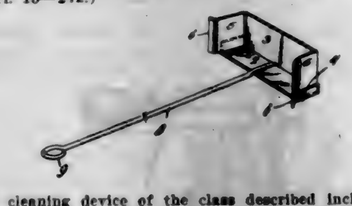
**1,556,433. STOVE CLEANER.** ROBERT FOLKEL, Herrin, Ill. Filed Mar. 14, 1925. Serial No. 15,512. 1 Claim. (Cl. 15—242.)



A cleaning device of the class described including a scraper blade formed with a rectangular base plate, and a perpendicularly extending rear wall, and ends disposed over the rear and end margins of the base plate, said ends projecting forwardly of said base plate and having flared terminals, and a handle fixed to the base plate and extending forwardly therefrom.

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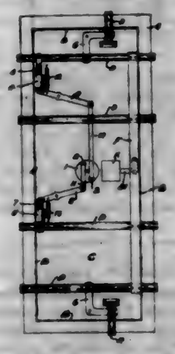
**1,556,434. SAFE LOCK.** CHARLES A. FOWLER, Salt Lake City, Utah. Filed Sept. 26, 1923. Serial No. 664,882. 3 Claims. (Cl. 109—3.)



1. In an auxiliary lock for safe doors the combination of longitudinally movable bars slidably carried on the door and adapted to engage the walls of the safe, of a combination lock secured in said door; a disk secured on the inside of said lock; links connected therewith and pivoted to spring actuated levers; locking bars adapted to engage with said longitudinally movable bars and each of said locking bars pivoted to its respective lever, whereby said locking bars will be moved longitudinally and engage said longitudinally movable bars when the said links are disengaged from said disk; and means to release said locking bars when said safe door is fully opened.

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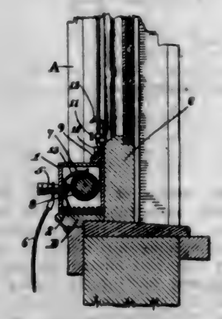
**1,556,435. PORTABLE ANTENNA.** ASHAD S. GORAYEB, New York, N. Y. Filed Sept. 15, 1923. Serial No. 662,971. 3 Claims. (Cl. 250—33.)



3. The combination with a window frame and a window sash therein, of a portable antenna, the latter comprising a casing adapted to be supported on said window frame, the bottom wall of said casing having its ends slit longitudinally, an antenna wire having the convolutions thereof receivable in said slots, a rolling metallic member supported in said casing and having the free end thereof detachably connected to said window sash, and an electrical connection between said rolling member and said antenna wire.

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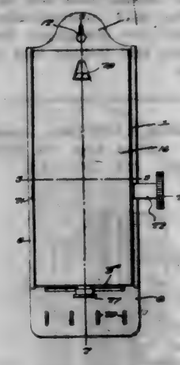
**1,556,436. ADJUSTABLE WINDOW SCREEN.** ASHAD S. GORAYEB, New York, N. Y. Filed June 12, 1924. Serial No. 719,676. 2 Claims. (Cl. 156—39.)

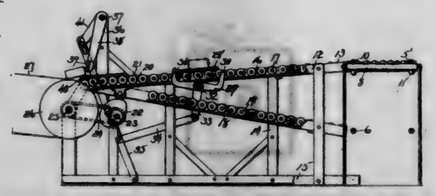
1. In a portable screen, a casing designed rectangular in cross-section provided with a slot in the top wall thereof, rectangular end boxings adjustably secured to the ends of said casing, the top walls of said boxings being provided with longitudinal slots registering with the slot in said casing, the top walls of said boxings being also provided with transverse slots, end walls applied to said boxings having upstanding ears formed thereon projecting through said transverse slots and affording means whereby the same may be secured to a structure, an adjustable roller supported between the aforesaid end walls of the boxings, a screen rolled on said roller and disposed through the slot in the top wall of said casing, and an adjustable molding secured to the end of said screen and adapted to normally rest on said top wall of the casing, as and for the purposes described.

1,556,437. DISPENSING DEVICE. GEORGE G. GRANGER, Moosup, Conn. Filed June 13, 1924. Serial No. 719,836. 8 Claims. (Cl. 221—60.)



1. A dispensing device of the class described for squeezing collapsible paste tubes and the like including a casing adapted to receive the collapsible tube and provided with an opening for receiving the discharge end of the paste tube and having its rear face open, a closure for the rear face of the casing providing a supporting bracket for the casing, the side walls of the casing having vertical slots arranged therein, one of the longitudinal edges of each slot having teeth provided therein forming a rack, a spindle extending through said slots, a roller carried by the spindle and adapted for engagement with the collapsible tube pinions on said spindle adjacent the ends of the roller and meshing with said racks and means on the outer end of the spindle for rotating the same for effecting a progressive squeezing action on the tube from its closed end to its discharge end.

1,556,438. CONVEYING APPARATUS. GUSTAVE HANSON and CHARLES A. NELSON, East Berlin, Conn., assignors, by direct and mesne assignments, to Lancaster Iron Works, Lancaster, Pa., a Corporation of Pennsylvania. Filed Feb. 14, 1923. Serial No. 536,570. 14 Claims. (Cl. 198—26.)

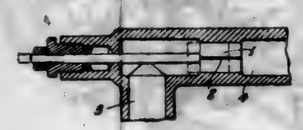


1. A conveying apparatus including an endless conveyor, means for automatically removing matter from one reach of said conveyor, means for separating said matter, and means for automatically delivering a portion of said matter to the other reach of said conveyor.

9. A conveying apparatus comprising two sections inclined in opposite directions to permit unrestricted movement of articles therealong, means for regulating the movement of articles along one of said sections, means for transferring articles from one of said sections to the other, and means for operating said transferring means and operatively connected with said regulating means.

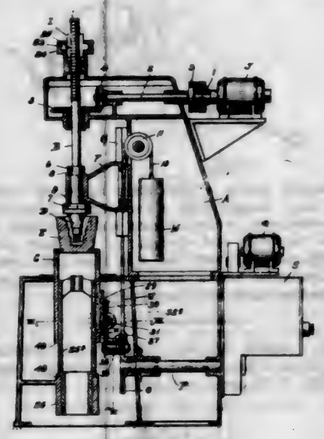
11. A conveying apparatus comprising an inclined section, means for regulating the movement of matter along said section, a stop to receive said matter after passing said regulating means, means for separating said matter while acted upon by said stop, and means for moving a portion of said matter away from said stop.

1,556,439. WAVE TRANSMISSION OF POWER. RICHARD GREENWOOD HANSON, Stafford, England. Filed Sept. 26, 1923. Serial No. 665,035. 6 Claims. (Cl. 138—23.)



1. In wave transmission power apparatus means for transforming the amplitude and pressure of alternating pressure waves comprising a leakage path interposed between the source of pressure generation and the point where the pressure is applied.

1,556,440. PRESS FOR MAKING INSULATORS AND THE LIKE. ROBERT L. HIBBARD, Bellevue, Pa. Filed Dec. 20, 1924. Serial No. 757,185. 13 Claims. (Cl. 25—3.)

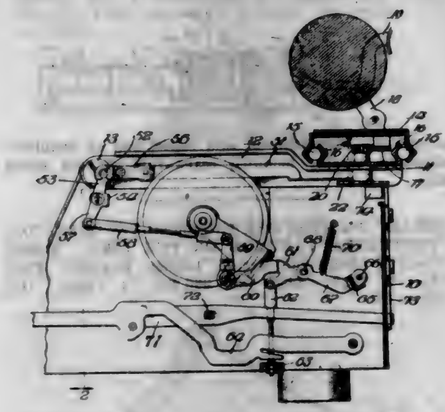


1. In combination in a press, a mold support, a threaded spindle provided with a die in opposition to such support, a nut for the spindle fixed against vertical movement, means for rotating the spindle first in one direction and then in the other, means swivelled on the spindle and adapted to move up and down therewith, and a counterweight connected to such means so as to apply force tending to move the spindle upward relative to said nut.

1,556,441. ESCAPEMENT MECHANISM FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Aug. 25, 1921. Serial No. 495,331. 9 Claims. (Cl. 197—82.)

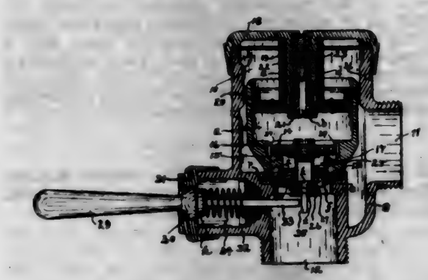
1. In a typewriter, a main frame, a platen carriage frame pivotally mounted thereon, escapement mechanism mounted on said platen carriage frame, key levers mounted on said main frame, and link mechanism for actuating said escapement mechanism from said key levers, said link mechanism having a pivotal connection therein arranged in approximate alinement with the





pivot of said platen carriage frame to permit movement of said platen carriage frame while preserving the continuity of said link mechanism.

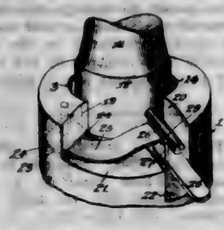
1,556,442. FLUSH VALVE. LAMBERT H. HOLCOMB and HENRY HAUBENS, Omaha, Nebr. Filed May 10, 1922. Serial No. 559,831. 2 Claims. (Cl. 137—93.)



2. In a flush valve, the combination with a valve housing having a valve seat and a cap having a tubular stem provided with an intake port, a valve for said valve seat having an annular chamber opening on its top and having a valve seat, a disc in the chamber of the valve, a screw threaded in the stem of the cap in engagement with the disc and having a passageway communicating with said intake port, a needle valve in the stem of said cap, and a release valve normally disposed on the valve seat of the first named valve and arranged to be moved for causing a movement of the first named valve.

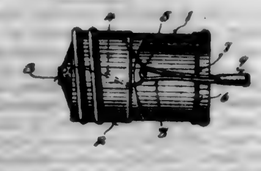
1,556,443. SAFETY GAS COCK. WILLIAM L. JACKSON, Chicago, Ill. Filed Dec. 20, 1924. Serial No. 757,287. 6 Claims. (Cl. 251—168.)

3. A safety cock comprising a shiftable plug, a plug housing having a cut out portion at its top to provide a pair of shoulders, the bottom of said cut out portion cut away to provide a diametrically disposed groove in said housing, a pin projecting radially from the plug stem and operating in said cut out portion between said shoulders, a depressible resilient locking member carried by the housing within said cut out portion and arranged above the bottom of the latter and further extending over said groove, said member having means shiftable in said groove and normally arranged in the path of said



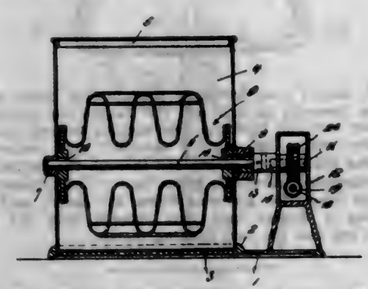
pin to provide a stop to arrest shifting movement of the plug stem, and said member further provided with a shifting finger therefor, said finger arranged in said groove and projecting radially from said housing.

1,556,444. FUSE PLUG. OSCAR H. JUNG, Milwaukee, Wis. Filed Feb. 9, 1924. Serial No. 691,621. 1 Claim. (Cl. 200—121.)



A screw plug fuse comprising a body portion having a cylindrical shell, a threaded ferrule surrounding said shell, a central contact located at the forward end of said body portion, a fusible element having one end secured to said central contact and the other end secured to said ferrule and having a rearwardly extending looped portion, a non-combustible flexible member passing through said loop and extending outwardly from said body portion and adapted to be drawn rearwardly to test the continuity of said fusible element, whereby when said member is drawn upon the stress is transmitted longitudinally to both strands of said fusible element.

1,556,445. CREAM-WHIPPING APPARATUS. JOHN G. KOOKOOTSEDES, Sidney, Ohio. Filed Dec. 19, 1924. Serial No. 756,916. 1 Claim. (Cl. 259—110.)



In an apparatus of the class described, a base, a prime mover mounted on the base, a drive shaft operatively associated with the prime mover, a continuous ledge formed on the base to provide a pocket, a receptacle seated in the pocket and capable of being twisted out of the pocket, a shaft journaled in opposite sides of the receptacle and slidable through and extending through

one side of the receptacle, said second shaft in alignment with the drive shaft, one of said shafts provided with a projection, and the other shaft provided with a slot for receiving the projection, whereby the receptacle may be lifted from the pocket to disalign the shaft, so that the second mentioned shaft may be slid out of the receptacle, and an agitator mounted on the second shaft within the receptacle to be rotated by the second shaft, said second shaft being slidable out of engagement with the agitator.

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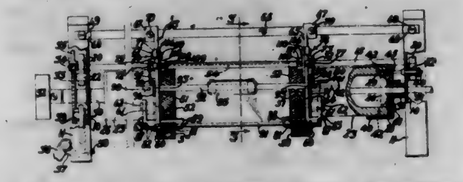
1,556,446. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 18, 1922. Serial No. 595,235. 16 Claims. (Cl. 197—135.)



1. In a front-strike typewriting machine, the combination with a rotary platen, of rollers, arms on which the rollers are mounted, supporting plates to which the roll-bearing arms are pivoted, springs connected to the roll-bearing arms for causing the rollers to press against the platen, and slides adjustable on the supporting plates for anchoring and varying the tension of the springs; said slides having offsets which ride on the edges of their supporting plates, and pin-and-slot connections with said supporting plates, whereby said slides are guided in their movements for adjustment of the tension of the springs.

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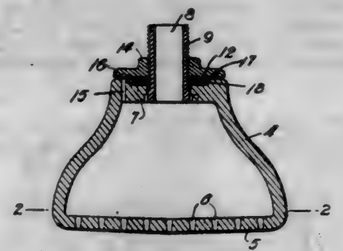
1,556,447. SHOWER HEAD. HENRY W. A. LEHNERT, Brooklyn, N. Y. Filed Oct. 24, 1923. Serial No. 670,424. 3 Claims. (Cl. 299—140.)



3. A shower head including a perforated outlet plate and an inwardly flanged top, the flanged top providing a gasket seat and having a vent opening formed therein, a gasket fitting the seat, a threaded pipe connection extending through the gasket and through the flanged top and engageable under the latter, and a nut threaded on the pipe connection for compressing the gasket, said nut including a flanged part that extends over the said flanged top and the vent opening therein.

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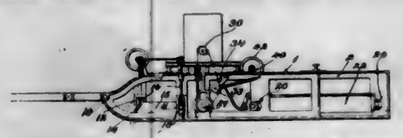
1,556,448. ROAD MACHINE FOR SNOW. WALTER LLOYD, Antigo, Wis. Filed Sept. 12, 1924. Serial No. 737,512. 3 Claims. (Cl. 37—149.)

1. A machine adapted to be drawn over a snow covered road comprising a pair of side frames having runner, braces joining said side frames, a diagonally arranged knife extending between said side frames adjacent the front of the machine, a roller provided with vanes and mounted rearwardly of said knife, means for adjusting the height of said roller, a motor for driving said roller, a shield plate extending over said roller and curving



downwardly rearwardly of said roller, and an angularly adjustable scraper mounted rearwardly of said shield plate.

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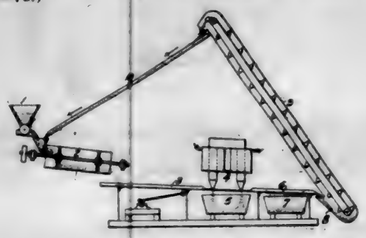
1,556,449. PROCESS FOR TREATING TIN ORES, CONCENTRATES, TAILINGS, OR THE LIKE. ALFRED ARTHUR LOCKWOOD, Merton, London, England. Filed Apr. 9, 1923. Serial No. 630,935. 1 Claim. (Cl. 83—71.)



In the treatment of suitable stanniferous material, roasting the stanniferous material in a manner to render certain of its constituents magnetic, subjecting the roasted ore or concentrate to magnetic separation, crushing the magnetic values and admixing them with a non-magnetic substance such as sand, whose particles are larger than the particles of the tin content, again subjecting to a magnetic separation and treating the residues to separate the admixed particles from the tin content.

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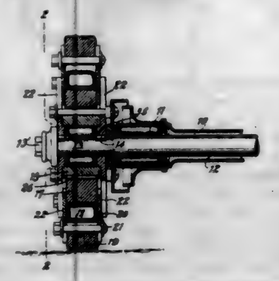
1,556,450. COMBINATION WHEEL. JOSEPH MAKANT, West Haverstraw, N. Y. Filed July 8, 1924. Serial No. 724,824. 2 Claims. (Cl. 305—7.)



2. In a combination wheel, a hub member, a set of removable lugs extending radially outward from said hub member, spiders carried by the hub member, a pneumatic tube supported by and surrounding said hub member, a cushion tire surrounding the pneumatic tube in spaced relationship, side plates carried by said cushion tire, one of the side plates having notches therein to receive the set of lugs and disposed between a spider and adjacent portions of the hub member and pneumatic tube to maintain the pneumatic tube and cushion tire in concentric relationship, the pneumatic tube and cushion tire being permitted to assume an eccentric contacting relationship when the set of lugs is removed.



1,556,451. CONTAINER AND PROCESS OF MAKING THE SAME. VICTOR MAUCK, Norristown, Pa., assignor to John Wood Manufacturing Company, Conshohocken, Pa., a Corporation of Pennsylvania. Filed Jan. 27, 1923. Serial No. 615,278. 22 Claims. (Cl. 29—148.2.)

1. In a container, the combination with a sheet metal wall having an opening therethrough; of a sheet metal reinforcement for said opening, comprising a circular annular plate having a central opening smaller than the opening in said wall; the metal of said wall and of said reinforcement extending in coaxial conically curved tubular relation, in contact with each other; the tubular portion of the metal of said reinforcement extending within the tubular portion of the metal of said wall, and through said wall; the tubular portion of said reinforcement extending through said wall being expanded to a larger outside diameter than the inside diameter of the tubular portion of said wall; whereby said wall and its reinforcement are interlocked; a film of brazing alloy extending between said reinforcement and said wall, integrally uniting them, and forming a bead at the ends of the tubular portions of said reinforcement and wall and forming a fillet at the junction of the other end of said reinforcement with said wall, a coating of zinc alloy extending over said wall and reinforcement; and an internal pipe screw thread formed in the tubular portion of said reinforcement which extends in said wall.

12. The process of making a container, which includes forming a cylindrical tubular body shell; forming a closure for one end of said shell by pressing a primarily plane sheet of metal to form a circular web with a cylindrical flange; said web having a plane panel forming, within said flange, a plane seat for annular reinforcements; said closure having holes therethrough in symmetrical relation with said panel, at opposite ends thereof, in eccentric relation with said circular web; forming annular reinforcements of plane sheet metal, each having an axial hole of smaller diameter than the holes in said closure; applying said reinforcements in contact with said seat, with their holes respectively in registry with the holes in said closure; deforming the metal of said closure and said reinforcements, together, so that each of said reinforcements is deformed at its central portion to form a tubular cone within a corresponding tubular cone in the container wall; the tubular portion of each reinforcement extending in the tubular portion of the adjacent wall and being expanded so as to permanently engage the reinforcement with the wall; pushing said closure into said shell; preheating both the closure and the adjacent portion of said shell, to a visible red; then dipping said shell and closure into a molten bath of brazing alloy to a depth sufficient to submerge said closure flange in said bath; with a suitable flux, such as borax, molten upon the surface of the bath; so that said structure dipped in said bath is coated with such flux as it enters the brazing metal; thus causing the brazing metal to penetrate the interstices between said reinforcements and the adjacent wall; withdrawing said structure from the bath with the closure downward, so as to drain the molten brazing metal from the interior of said container through said openings, and cause said brazing metal to fillet the junction of the larger ends of said reinforcements with said container and also form respective rounded beads at the interlocked edges of the tubular elements aforesaid; thus integrating the metal of the container wall with said reinforcements; cleaning said structure; then immersing said structure in a molten bath of coating metal; withdrawing said structure from the coating metal so as to drain the surplus coating metal from the interior of said container through said openings; reaming each of said openings to the proper size for introduction of a screw threading tool; then forming, in said openings, in said tubular portions of said reinforcements, suitable pipe screw threads.

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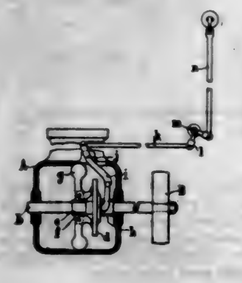
1,556,452. AUTOMATIC SAFETY PASSENGER-CAR-DOOR LOCK. LÉON MAURY, Begles, France. Filed July 3, 1923. Serial No. 649,314. 1 Claim. (Cl. 105—395.)



Apparatus for automatically locking the doors of railway cars, comprising a car wheel driven shaft, a disc movable longitudinally thereon, door latching means, operating means for said latching means including a lever movable in one direction by said disc, centrifugally acting means to move said disc in such direction, and thereby cause the door to remain latched when the car is in motion, and a spring to move said disc in the reverse direction when the car stops and thereby cause the latches to be released, said latch comprising a latching member, an actuating member, movable independently thereof, a spring between said members to cause the former to be actuated by the latter when the latter is moved inwardly, and a second spring to move the actuating member outwardly when not restrained by said operating means.

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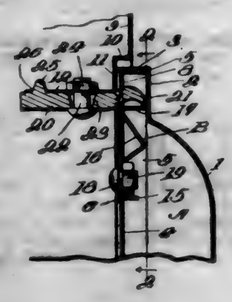
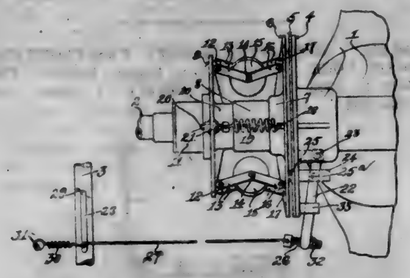
1,556,453. OVEN-DOOR CATCH. HENRY MOECKER, Jr., Homewood, and OTTO HAMMERMEISTER and THEODORE THOMPSON, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Dec. 18, 1924. Serial No. 756,773. 5 Claims. (Cl. 292—76.)



1. The combination with an oven and a hollow door having a lining, of a catch comprising a spring member attached to the inner side of the door lining, the spring projecting opposite the said opening, a member secured to the oven top and projecting through the said opening in the door lining, and engaging the spring member.

**1,556,454. SPEED AND POWER CONTROLLING MECHANISM FOR VEHICLES.** GEORGE B. MOLYNEUX, Bayonne, N. J., assignor of one-half to John F. Alverd, New York, N. Y. Filed June 12, 1923. Serial No. 644,850. 34 Claims. (Cl. 192—3.)



1. In combination with the driving shaft of a power driven vehicle, and power means for actuating said shaft, a brake mechanism mounted on said shaft, including means for automatically operating said brake mechanism, and means for throttling the power means when the brake mechanism goes into action.

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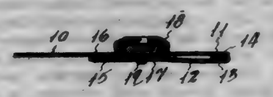
**1,556,455. BUTTON MOUNTING FOR GARMENTS.** GEORGE A. RIPLEY, Dallas, Tex. Filed Sept. 30, 1924. Serial No. 740,707. 1 Claim. (Cl. 2—122.)



As an article of manufacture, a garment having a button mounting comprising a facing strip provided with a narrow hem along its outer edge stitched to the edge portion of the fabric of the garment at a closure thereof and an inwardly folded wider hem forming a free extension of substantially one half of the width of the strip and lying between the strip and the fabric, stitching securing both hems of the strip to the garment at their folded edges, and buttons mounted on the fabric and secured by threads passing through the three-ply provided by the fabric, the free hem extension and the strip.

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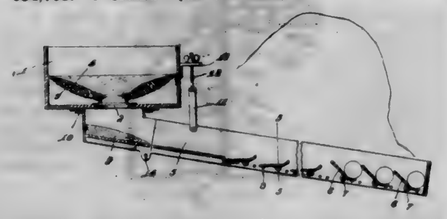
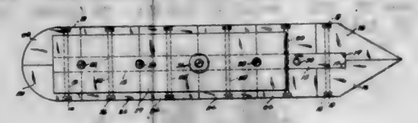
**1,556,456. NEST APPLIANCE.** HERMAN A. STEFFEN, Bellingham, Minn. Filed July 30, 1923. Serial No. 654,708. 1 Claim. (Cl. 119—48.)



A nest device of the class described comprising a nest box having an opening in its bottom, a chute composed of an elbow part and an inclined part, said parts being hingedly connected together, means for rotatably connecting the elbow part with the bottom of the nest and means for adjusting the inclination of the inclined part.

**1,556,457. BOAT-BUILDING BLOCK.** MILTON A. B. STEIN, Bridgeport, Conn. Filed May 11, 1925. Serial No. 29,280. 7 Claims. (Cl. 46—85.)



1. In toy blocks, a ship comprising a longitudinal central beam, blocks at the forward end of the beam to form the bow, suitably shaped blocks at the other end of the beam to form the stern, side blocks on opposite sides of the beam to fill in the spaces between the bow and stern blocks, and means for detachably securing the blocks to the beam.

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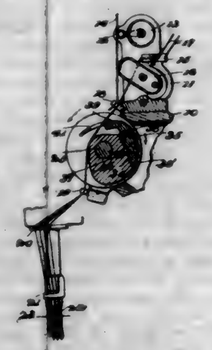
**1,556,458. NEEDLE-THREAD PULL-OFF MEANS.** GILBERT LAWRENCE SUMMERS, Nottingham, England, assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y., a Corporation of New York. Filed July 29, 1920. Serial No. 399,709. 24 Claims. (Cl. 112—242.)



1. In a sewing machine, the combination with stitch-forming mechanism including one or more needles, of needle-thread pull-off means actuated by reverse rotation of the machine only to pull off needle-thread from its source of supply for the needle or needles in subsequent operation of the machine.

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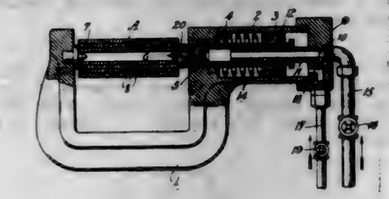
**1,556,459. AIRSHIP.** MICHAEL A. SZYMANSKI, Warsaw, Poland. Filed May 16, 1925. Serial No. 30,770. 3 Claims. (Cl. 244—6.)

1. An airship embodying an inflatable envelope and a framework including a keel, said envelope being subdivided into separate charge containing compartments, cars secured to the keel, electric heaters within the compartments having their frames fixed to the keel, propelling means on the cars, and current generators for the heaters driven by said propelling means.



**1,556,460. SPRING OILER.** FRANK THILL, Long Island City, N. Y. Filed Feb. 9, 1925. Serial No. 8,039. 2 Claims. (Cl. 81—3.7.)



1. A spring oiler, comprising a yoke, a casing fixed to one end of the yoke, a piston movable in the casing, a hollow rod fixed to the piston and projecting beyond the end of the casing, a spacer fixed to the yoke and in line with a spacer on the end of the rod, a lubricant supply tube projecting through the piston and into the tubular rod, a spring exerting pressure on the piston to move it rearwardly, and an air supply pipe communicating with the end of the casing whereby air when admitted will move the piston forwardly.

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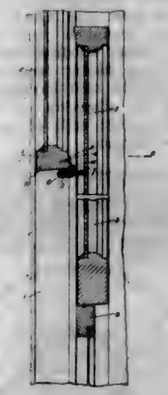
**1,556,461. WINDOW-SEAL STRIP.** FRANK THILL, Long Island City, N. Y. Filed Apr. 7, 1925. Serial No. 21,354. 2 Claims. (Cl. 20—69.)



1. A window seal strip, including a strip of spring metal having a clamp at its lower portion, a flexible strip secured in said clamp, said metal strip having an upwardly projecting flange adapted to be secured to a window sash, and said metal strip between the flange and the clamp body bowed forming a spring and holding the clamp portion normally spaced from the sash to which it is secured.

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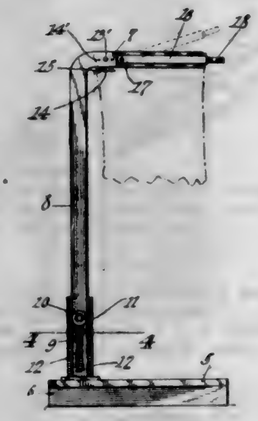
**1,556,462. VEGETABLE SACKER.** JOHN TORSKE, Ada, Minn. Filed Jan. 29, 1925. Serial No. 5,576. 1 Claim. (Cl. 83—26.)

In a sack holding device, a base, a body portion including a length of metal bent intermediate its ends to provide leg members, said body portion including an upper section bent at right angles to the members, a pivoted clamping member cooperating with the right angled upper portion to clamp an article therebetween, a bar adjustably supported by the upper section, prongs



extending laterally from the bar and adapted to pierce an article positioned thereon, and means for adjustably supporting the body portion with relation to the base.

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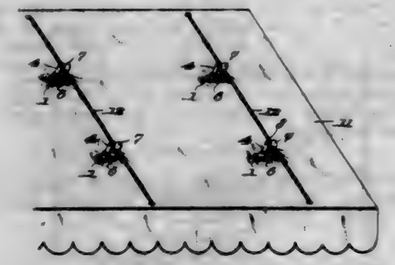
**1,556,463. ROPE GUIDE FOR AWNINGS.** CHARLES E. WHIBLEY, Harrisburg, Pa. Filed Sept. 22, 1924. Serial No. 739,217. 2 Claims. (Cl. 156—15.)



1. A rope guide for awnings, including a base, means of fastening the base to the awning, upstanding lugs and a frame made of a single piece of sheet metal and including sides and flanges, which latter are pivoted to the lugs, and a pulley rotatably connected with the sides forming a closed space through which a cord or rope is adapted to pass and be confined, whereby the rope or cord is freely engaged by the pulley irrespective of the accurate placement of the base and fastening means.

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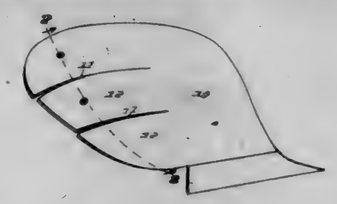
**1,556,464. MOLDBOARD.** FRANK WENCEL, Modesto, Calif. Filed Feb. 14, 1923. Serial No. 618,924. 1 Claim. (Cl. 97—123.)

A moldboard formed with a plurality of longitudinal slits arranged in different substantially horizontal planes and extending from the rear edge to provide a plurality of rearwardly directed wings, said wings being deflected

from the plane of the moldboard to a gradually increased extent from the bottom toward the top of the moldboard, a standard, and braces terminally secured



to the standard and to those wings above the lowermost wings, said braces being longitudinally extensible and contractible to vary the deflection of the connected wings.

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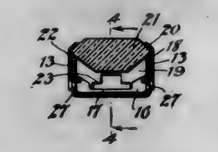
1,556,465. GEM MOUNTING. FRANS BERTIL WENDEL, Cranford, N. J., assignor to Hercules Novelty Mfg. Co. Inc., Newark, N. J., a Corporation of New Jersey. Filed Feb. 7, 1925. Serial No. 7,645. 3 Claims. (Cl. 63—26.)



2. As a new article of manufacture, a gem mounting comprising a base section including a bottom portion having a pair of upstanding opposite walls, said base section being open at its top between said upstanding walls, and a cap section having a tubular portion fitting on the upstanding walls of the base section and having an inturned flange at its upper end for cooperating with the upstanding walls of the base section to clamp edge portions of a gem against the upper edges of said upstanding walls of the base section, and means for fastening said sections together, said fastening means comprising slotted portions of the upstanding walls of the base section and tongues on the tubular portion of the cap section engageable with said slotted portions of the base section.

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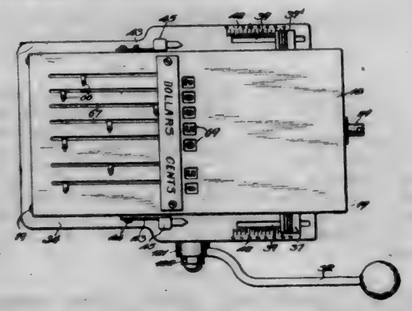
1,556,466. CHECK WRITER. GEORGE M. WILLIS, Chicago, Ill. Filed May 24, 1922. Serial No. 563,229. 21 Claims. (Cl. 101—19.)




1. In a check writer, the combination of a casing comprising an end wall and two side walls, the latter extending substantially from top to bottom of the machine, said end wall and said two side walls having a check receiving slot extending therethrough, a frame having a slot opening from one end thereof to register with the side wall slots and to dispose an overhanging frame portion in the overhanging portion of the casing, a plurality of type bars having longitudinal sliding adjusting motion between said side walls and above said slot, and a platen between said side walls and disposed below said slot.

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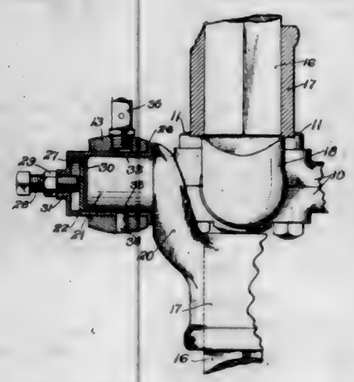
1,556,467. BEARING BUSHING. ROY B. ABELL, Vancouver, British Columbia, Canada, assignor of one-half to Edwin Bagnall, Toronto, Canada. Filed Jan. 26, 1923. Serial No. 614,968. 7 Claims. (Cl. 64—102.)



4. A flexible shaft coupling comprising a member having pairs of oppositely disposed bearings therein, a pair of fittings separate from one another and from said member, each having trunnions journaled in said bearings, bushings in said bearings for receiving said trunnions, said bearings having their outer ends closed, and bearing discs within said bushings and adjustable relative thereto in the direction of the axes of said trunnions for engaging the ends of said trunnions and resisting end thrust thereon.

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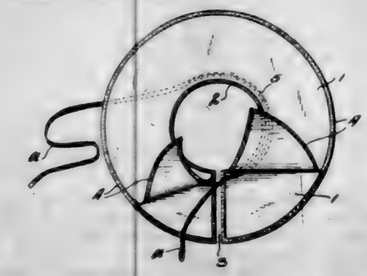
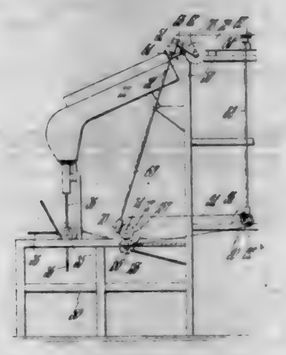
1,556,468. SANITARY COLLAR. OSCAR ALAMO, New Orleans, La. Filed Nov. 1, 1924. Serial No. 747,256. 1 Claim. (Cl. 2—50.)



As a new article of manufacture, a collar for use by a barber comprising two super-imposed annular members, means for connecting the inner margins of said members, said members being split transversely thereacross, and a tie string disposed between said annular members and having an intermediate portion thereof secured to one of the members from an end of one of said members to a point slightly beyond the center of said member, said connected portion of the tape extending along said member in close proximity to its inner margin.



1,556,469. BOBBIN-HANDLING MACHINE. EUGENE R. ALDERMAN, Holyoke, Mass., assignor to Farr Alpaca Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Apr. 7, 1922. Serial No. 550,490. 24 Claims. (Cl. 73—51.)



1. A bobbin handling machine, having in combination, a hopper for receiving a supply of bobbins, means for effecting the feed of said bobbins through the machine, means for testing said bobbins as they are fed through the machine to determine their characteristic for fitting loosely or tightly upon a spindle or whorl, comprising means for arresting the progress of bobbins which would fit tightly upon a spindle.

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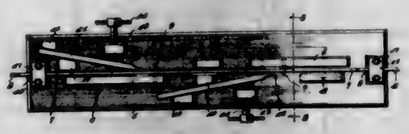
1,556,470. WIRE-CUTTING BLOCK FOR LOOM REED. ISAAC ANDREWS, Spartanburg, S. C. Filed July 9, 1924. Serial No. 725,063. 2 Claims. (Cl. 90—28.)



2. In a wire cutting device, a base, guiding members supported by the base, said guiding members including plates arranged in spaced relation with each other and having outwardly curved end portions to guide materal to the guiding members, guide blocks arranged in pairs and supported by the base, said guide blocks having their adjacent faces cut at oblique angles, relatively long cutting blades positioned between the guide blocks and resting against the obliquely disposed faces thereof, supports disposed adjacent to each pair of guide blocks and having threaded openings, threaded bolts adapted to pass through the threaded openings to engage the blades adjacent to their cutting ends, to hold the blades against movement with respect to the guide blocks.

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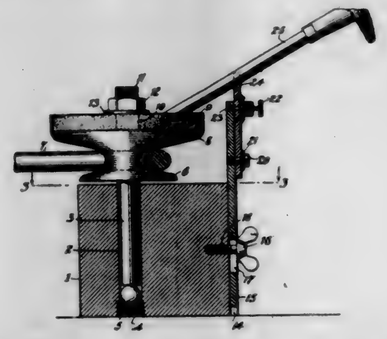
1,556,471. GRAVER SHARPENER. EDWIN MERRITT ANDRUS, Macon, Ga. Filed May 10, 1924. Serial No. 712,411. 1 Claim. (Cl. 51—210.)

An apparatus of the character described, comprising a solid block constituting a base having a vertical bore therein, a shaft mounted to turn in said bore, a plug in the lower end of the bore, an anti-friction bearing interposed between the plug and the lower end of the shaft, a pulley fixed to the upper end of the shaft and having an enlarged upper portion constituting a table



adapted to support a disk or wheel, the upper extremity of said shaft above the table being screw-threaded, and a nut on said upper end adapted to clamp the wheel or disk on the table.

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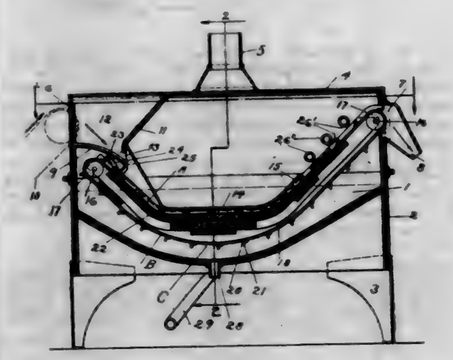
1,556,472. APPARATUS FOR COATING FOOD PRODUCTS. DAVID R. BAILEY, Sacramento, Calif., assignor to California Almond Growers Exchange, San Francisco, Calif., a Corporation of California. Filed Aug. 19, 1924. Serial No. 733,015. 4 Claims. (Cl. 91—2.)



1. The method of retaining a granular substance to the surface of nut meats and the like, which consists in first coating the surface of the material with a vegetable gum.

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1,556,473. HANDLE OR GRIP FOR GOLF CLUBS. HOWARD M. BALLOU, North Attleboro, Mass. Filed Jan. 21, 1924. Serial No. 687,458. 6 Claims. (Cl. 273—81.)

3. A gripping handle for a golf club having an approximately cylindrical shape and provided along one side with a longitudinal row of depressions disposed longitudinally near the upper end of the handle for receiving the fingers of one hand, another series of depres-

sions arranged below along the opposite side of the handle in advance of the first-mentioned depressions, and

thumb-sustaining depressions for each hand each of which is diagonally offset from the row of depressions for the fingers of the corresponding hand.

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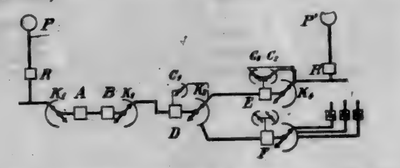
1,556,474. AUTOMATIC SWITCHING SYSTEM. ANTOINE BARNAY, Villeneuve St. Georges, France. Filed July 24, 1923. Serial No. 653,568. 31 Claims. (Cl. 179—18.)



1. In an automatic telephone system, a calling line, a called line, an electrical impulse sending device, an impulse receiving organ for the said impulses, a single motion connecting mechanism for connecting calling and called lines, the said mechanism consisting of a certain number of series of contacts, and an equal number of series of wipers, means for setting the wipers in accordance with the position of the impulse receiving organ, means for inserting a certain series of wipers in the connecting circuit according to the position of the impulse receiving organ.

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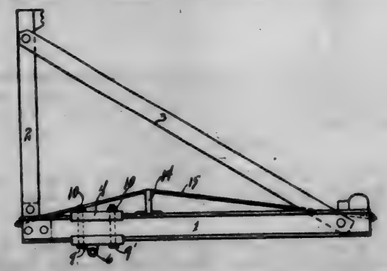
1,556,475. BEARING SADDLE FOR PUMP JACKS. FRED H. BARNEY, Fort Worth, and WILLIAM J. GOURLEY, Weatherford, Tex. Filed July 13, 1925. Serial No. 43,083. 6 Claims. (Cl. 74—5.)



1. Bearing saddles for pump jacks in combination with the channel beams of pump jacks comprising upper and lower members, the upper members having undercut channels for engaging the upper parts of the channel beams and the lower members having channels in their upper sides receiving and engaging the lower parts of the channel beams, and bolts for clamping the saddle members on the channel beams.

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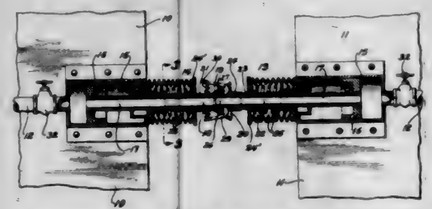
1,556,476. COUPLER. JAMES BARRETT, Archbald, Pa. Filed Aug. 11, 1924. Serial No. 731,486. 1 Claim. (Cl. 285—70.)



In combination with the meeting ends of a pair of cars, a cylinder secured to the ends of each of said cars, an air line pipe leading to each cylinder, a piston slidable in each cylinder, a hollow piston rod extending through each of said pistons and carried thereby, and co-acting elements carried by the free end of the rods for permitting the flow of air from one air line pipe to the other, and a flexible hose between the rods and the respective co-acting means, the end of one of said hose extending into one of said co-acting elements for forming a seat for the other co-acting element.

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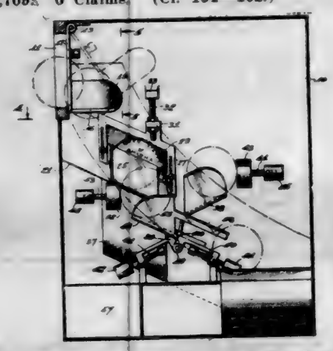
1,556,477. COIN DETECTOR. WALTER C. BELLOWS. New York, N. Y. Filed Dec. 3, 1924. Serial No. 753,709. 6 Claims. (Cl. 194—102.)



2. A coin detector comprising a casing having a vertical coin-receiving slot, a plate pivoted at its upper end within the casing to gravitationally depend to a position contiguous to and alongside of the discharge end of the receiving slot, said plate having a vertical slot therein of slightly less length than the diameter of a good coin whereby a good coin coacts with the ends of the slot in said plate to swing the same aside and drop directly downward, and means at the lower end of said plate for receiving and deflecting laterally a spurious coin, a substitute or foreign article, smaller than the diameter of a good coin, upon its passage through the slot in said plate.

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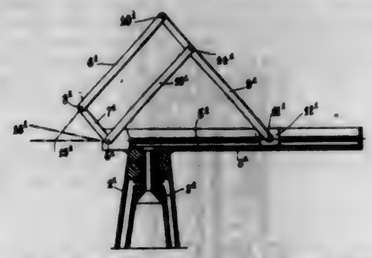
1,556,478. CARRIAGE FOR ANTIAIRCRAFT GUNS. LAURENCE VINCENT BENÉT, Levallois-Perret, France, assignor to Société Anonyme des Anciens Etablissements Hotchkiss & Cie., St. Denis, Seine, France. Filed Feb. 28, 1925. Serial No. 12,282. 13 Claims. (Cl. 89—37.)

1. A carriage for anti-aircraft guns, comprising a vertical axis, a support capable of pivoting about said axis, a lever connecting the rear extremity of the gun to said support, a second lever connecting the front extremity of the gun to said support, a third lever connecting a



point on said second lever to the support and means for shifting the point at which said second lever is hinged to the pivoting support.

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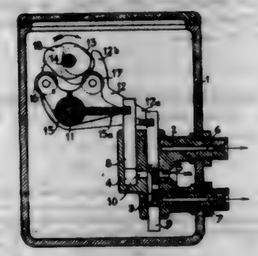
1,556,479. LUBRICATING-OIL PUMP. OTTO HAJEK and EMANUEL BLAUHORN, Vienna, Austria. Filed Apr. 3, 1922. Serial No. 549,158. 4 Claims. (Cl. 184—27.)



1. In a lubricating pump, a pumping cylinder, a pumping piston arranged in said cylinder, a rocking lever having a first arm for actuating said pumping piston and a second forked arm, a shaft, and a double tappet fixed on said shaft and located in such position relatively to said forked arm as to contact with the two ends of the fork of the lever in succession and thereby move one end of said fork in one direction and the other end of said fork in the other direction, each half of the double tappet being capable of alone reciprocating the piston positively once, so that two reciprocations of the piston occur at each complete revolution of the double tappet.

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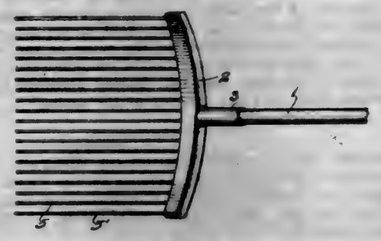
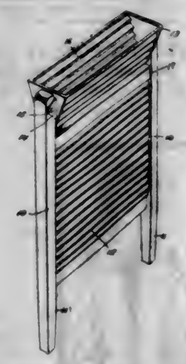
1,556,480. FRUIT COLLECTOR. FRANK BODINE, Visalia, Calif. Filed Feb. 8, 1924. Serial No. 691,458. 2 Claims. (Cl. 294—49.)



1. A device of the class described comprising a curved cross frame, a handle connected with the center thereof, tines carried by the cross frame, the end tines being of double construction with one half arranged above the other half so as to form edges at the sides of the device.



1,556,481. COMBINED WASHBOARD AND SUCTION CUP. BERT ST. AMOUR, Winooski, Vt. Filed May 12, 1924. Serial No. 712,701. 1 Claim. (Cl. 68—5.)



A clothes washing pounder comprising a body including spaced parallel side bars having its ends projecting beyond the body, and such ends serving as handles, a V-shaped in cross section member arranged between the opposite ends of the side bars and having its opposite faces corrugated, clips on the opposite ends of the V-shaped in cross section member and secured to the adjacent ends of the side bars, and strips secured to the opposite sides of the body and disposed upon opposite sides of the apex of the V-shaped member and serving with the clips to hold the V-shaped member in place.

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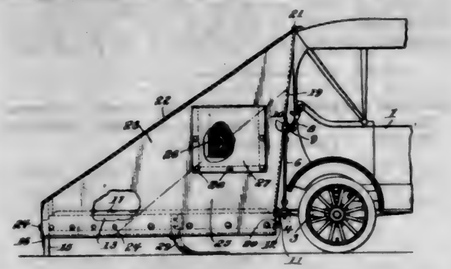
1,556,482. FOLDING BED. MEINERT J. BOSCH, Chancellor, S. Dak. Filed June 21, 1922. Serial No. 569,799. 1 Claim. (Cl. 5—119.)



The combination with a camper's bed associated with a vehicle and including a frame, of barrels formed on the inner end of the frame, a cross piece, barrels formed thereon and cooperatively associated with the barrels first mentioned, pintles passing through the associated barrels to secure the cross piece to the frame, side members extending from the cross piece and secured to the vehicle and rods swiveled to the cross piece and rising therefrom for connection with the vehicle.

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1,556,483. COMPARTMENT CAR. COLLINGWOOD B. BROWN, Jr., Montreal, Quebec, Canada. Filed Mar. 10, 1921, Serial No. 451,142. Renewed June 26, 1925. 33 Claims. (Cl. 105—315.)

20. In a car of the passenger type, a longitudinal passageway located adjacent one side and a plurality of transverse alcoves in full open communication with the

passageway, seat-berths in the alcoves and extending transversely to the car, and means for converting the alcoves into compartments.

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1,556,484. HANDKERCHIEF-DISPLAY CARD. CARRIE C. BRANDENBURG, Washington, D. C. Filed May 16, 1925. Serial No. 30,761. 2 Claims. (Cl. 211—34.)

1. A display card comprising a ground board, a form card fashioned to represent the body, head and limbs of a girl, a handkerchief folded on the form cards to represent a frock, means for detachably securing the handkerchief folds to the form card, and means for detachably securing the form card to the ground board.

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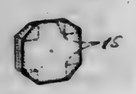
1,556,485. GARMENT FASTENER. MARY V. BRUNK, Kansas City, Kans. Filed Dec. 28, 1923. Serial No. 683,153. 1 Claim. (Cl. 24—90.)



The method of manufacturing a button consisting of forming a strip of fabric into a tube, folding the ends of said tube within itself, folding the corners of said tube inwardly, and stitching the folded portions to hold them in place.

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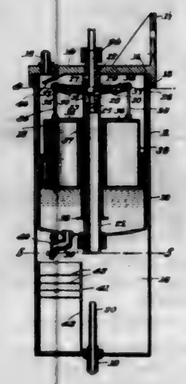
1,556,486. TANK. HAROLD O. BURGIN, Panguitch, Utah. Filed Jan. 26, 1925. Serial No. 4,839. 4 Claims. (Cl. 103—236.)

1. A vacuum feed tank comprising a casing, means dividing the casing into an inlet chamber and a discharge chamber, a fluid inlet for the inlet chamber, a fluid outlet for the discharge chamber, a vacuum controlled valve providing communication between the inlet and discharge chambers, a guide post within the inlet chamber, a passage extending inwardly from one end of the post and providing a suction passage adapted for communication with a source of suction, a vacuum relief port communicating with the suction passage, spaced valve seats within the suction passage between the outer end of the latter and the vacuum relief port, a valve common to both of said seats, said suction passage having openings provided in its walls upon opposite sides of the valve seats, stems extending from the valve through said openings, spring



resisted means engaging the stems to yieldingly hold the valve against movement and float actuated means for actuating the valve.

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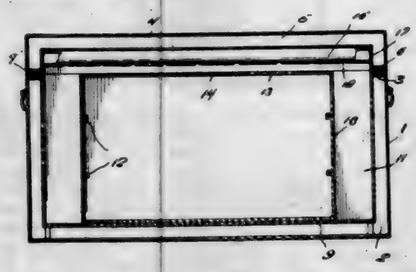
1,556,487. REFRIGERATOR. OBEY S. BURTON, Pensacola, Fla. Filed July 25, 1924. Serial No. 728,203. 3 Claims. (Cl. 220—9.)



1. A refrigerator comprising a substantially rectangular shaped casing open at its top, said casing including spaced inner and outer side walls and bottom, forming a dead air space therebetween, a hinged cover for the casing, a receptacle within the casing supported on the false bottom and spaced from the inner walls of the casing, forming an ice compartment around the receptacle, means for conducting the warm air from the interior of the casing and the receptacle outwardly through the cover of the casing, said means comprising an elongated tube supported in the cover of the casing, said cover having openings therein communicating with the ends of the tube, said tube having openings therein communicating with the interior of the casing.

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1,556,488. INSULATING CEMENT OR MORTAR. LYLE CALDWELL, Lompoc, Calif., assignor to The Celite Company, Los Angeles, Calif., a Corporation of Delaware. Filed Jan. 29, 1923. Serial No. 615,738. 7 Claims. (Cl. 106—18.)

1. An insulating cement or mortar composition consisting principally of powdered diatomaceous earth and an organic adhesive and containing not over 7% of a salt adapted to act as a distending agent with respect to said organic adhesive.



1,556,489. PROCESS FOR PREPARING CULTURES OF BACILLUS FELSINEUS. DOMENICO CARBONE, Milan, Italy. Filed Oct. 23, 1922. Serial No. 596,518. 1 Claim. (Cl. 92—5.)

A process for preparing bacillus felsineus cultures by using recipients containing hemp cut into pieces, placed in water and sterilized, bringing same into contact with the saccharomyces ellipsoideus, cultivated separately, for example, in a malt decoction.

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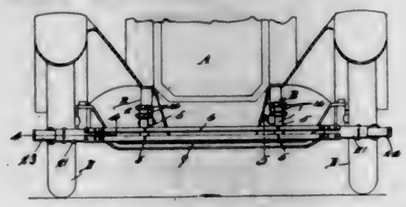
1,556,490. BUMPER. MARTIN CHICK, Tire Hill, Pa. Filed Nov. 22, 1924. Serial No. 751,685. 3 Claims. (Cl. 293—55.)



1. A bumper of the character described comprising a pair of L-section bars, means adapted to be secured to the frame of a motor vehicle and extending from the L-section bars, means secured to the ends of the L-section bars, and arms extending from said last mentioned means and secured to the springs of the motor vehicle

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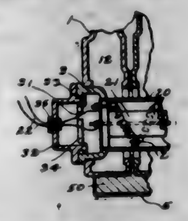
1,556,491. ELECTRIC STEAM RADIATOR. ALLAN CLARK, Seattle, Wash. Filed June 2, 1924. Serial No. 717,214. 5 Claims. (Cl. 219—38.)



1. A radiator comprising two terminal sections and intermediate sections therebetween, the lower portions of said sections communicating to form a boiler, means in said boiler for heating water contained therein, a pair of tie rods connecting said terminal sections and extending at opposite sides of the boiler portions of the intermediate sections, and heat insulation extending about said boiler and supported from said tie rods.

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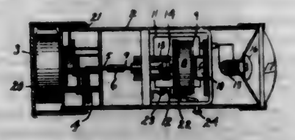
1,556,492. PORTABLE GENERATING SET. GEORGE B. COLEMAN, San Francisco, Calif., assignor, by direct and mesne assignments, to Majik Electric Appliance Company, San Francisco, Calif., a Corporation of California. Filed May 7, 1921. Serial No. 467,770. 2 Claims. (Cl. 240—10.5.)



2. In a device of the class described, the combination of a casing; a frame therein; field coils fixedly secured to said frame with their cores parallel to the axis of said casing; a lamp secured to one end of said frame; electric connections between said coils and lamp; a shaft in bearings on said frame; a magnet on said shaft with the end faces of its poles opposed and adjacent to the ends of said cores; and means for rotating said magnet.

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1,556,493. EXERCISING DEVICE. WEYMAN CONWAY, Jacksonville, Fla. Filed Apr. 19, 1924. Serial No. 707,786. 4 Claims. (Cl. 128—137.)

1. A device of the character described, comprising a bifurcated member adapted to fit within the lower jaw of the user and adapted to be positioned inside of the row of teeth of the jaw and lie substantially horizontal under the tongue with the furcations extending rearwardly and having an inclined upper face.

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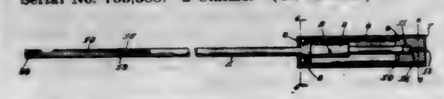
1,556,494. RIFLE CLEANER. GODFREY S. COOPER, Vankleek Hill, Ontario, Canada. Filed Aug. 22, 1924. Serial No. 733,588. 2 Claims. (Cl. 42—91.)



1. A rifle cleaner comprising a rod, a conical member secured thereto at one end; a tubular handle surrounding said conical member, ball bearings provided between said conical member and an end of the handle; the remaining end of the rod being threaded internally; a rag holder having one end reduced and threaded for insertion in the internally threaded end portion of the rod, the remaining end of the rag holder, being threaded internally; and a threaded adapter or connection for connecting the internally threaded end of the rod with the internally threaded end of rag holder or of the brush.

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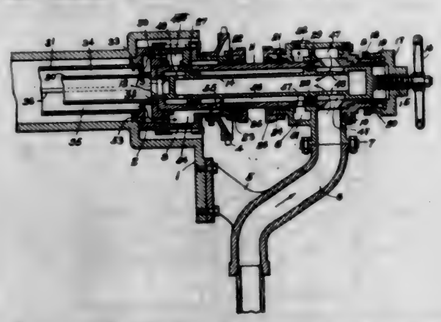
1,556,495. SOOT BLOWER. ALFRED C. DANKS, Cleveland, Ohio, assignor to The Ashmead Danks Company, a Corporation of Ohio. Filed June 27, 1924. Serial No. 722,786. 8 Claims. (Cl. 122—390.)



8. In combination in a soot blower, a body portion provided with a distributing cavity, means for supplying steam thereto, a blower tube having a plurality of laterally extending nozzles, a casing tube surrounding the blower tube, but spaced away therefrom, through which said nozzles lead, a conduit connecting said cavity and said blower tube, a valve in said body portion for controlling the supply of steam, and connections inde-

pendent of the valve for continuously supplying steam from said cavity through the space between the blower tube and casing tube.

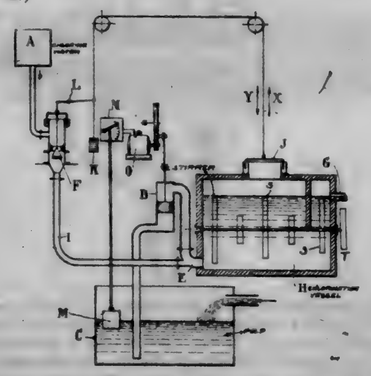
1,556,496. SPINE-TREATING APPARATUS. CHARLES LESTER DAVIS, Santa Barbara, Calif. Filed Jan. 25, 1924. Serial No. 688,586. 1 Claim. (Cl. 272—80.)

An apparatus of the class described, comprising a head harness, a bracket member presenting a semi-circular groove, a cable slidable in said groove and attached at one end to said harness and a latch member pivoted to said bracket and normally disposed to hold the cable against escape from said groove.

1,556,497. MANUFACTURE OF CELLULOSE. ANTOINE REGNOUF DE VAINS, Miribel, France. Filed Oct. 19, 1923. Serial No. 669,623. 6 Claims. (Cl. 8—2.)

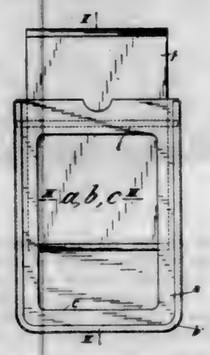
1. Process for neutralising the acids set free by the chlorination of cellulosic material and for dissolving out the chlorinated derivatives, consisting in neutralising, by means of a compound of the alkaline earth metals, the chlorinated cellulose and in rendering soluble, by means of an alkaline compound, the chlorinated derivatives formed during chlorination.

1,556,498. PROCESS AND APPARATUS FOR THE CONTINUOUS CHLORINATION OF CELLULOSIC MATERIALS BY MEANS OF CHLORINE WATER. ANTOINE REGNOUF DE VAINS, Miribel, France. Filed July 21, 1924. Serial No. 727,352. 6 Claims. (Cl. 8—2.)



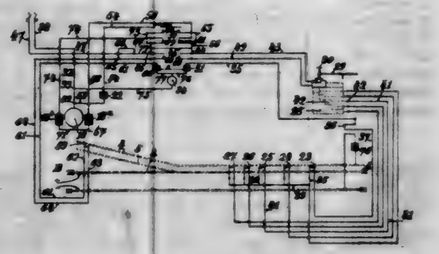

8. The process for the continuous chlorination of cellulosic materials consisting in continuously introducing a chlorinating agent and the said materials into a chlorination vessel, in making the supply of said materials dependent upon the rate at which they flow from an apparatus in which they are prepared, in making the supply of the chlorinating agent dependent upon the pressure inside said chlorination vessel, and in continuously discharging the chlorinated product at the same rate as that at which said materials are introduced into the chlorination vessel.

1,556,499. RECORDING DEVICE. HERMANN DEUTSCH, Berlin-Lichterfelde, Germany. Filed June 9, 1924. Serial No. 718,985. 12 Claims. (Cl. 35—10.)




1. Recording device comprising a diaphanous writing sheet of resistive elastic material with a rear layer of adhesive substance, and a second sheet differing in color from the writing sheet and placed beneath the latter, said second sheet being thin and flexible so that when the point of a pointed instrument, that imparts no color to the writing sheet, is passed over the latter the parts of the second sheet, against which the elastic writing sheet is pressed by said instrument, adhere to the writing sheet and are raised by the same when the pressure of said instrument ceases.

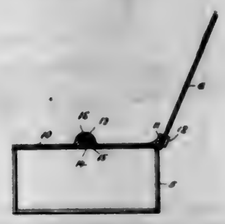
1,556,500. BRAKE SHOE WITH DISTANT ELECTROMAGNETIC CONTROL. FERNAND DELOISON and JOSEPH DEVON, Lomme, France. Filed Aug. 6, 1924. Serial No. 730,505. 5 Claims. (Cl. 104—26.)



1. A device for the braking of railroad wagons upon sorting tracks, comprising in combination with one of the rails of the sorting track, guide rails forming a guideway whereof one portion is parallel to the said track and the other portion is oblique, a shoe normally placed in the said oblique portion and slidable in the said guideway and comprising a portion which extends upon the track rail when the said shoe is brought into that part of the guideway which is parallel to the track, the said portion being adapted for engagement with the front wheel of the first wagon of a series of wagons rolling upon the main track and proceeding towards the oblique portion of the guideway, a carriage slidable in the said guideway and adapted to draw the said shoe forward in the opposite direction to that followed by the wagon to be braked, a motor, means actuated by the said motor and connected with the said carriage whereby the latter is caused to travel in one and the other direction at will, and controlling means operated at a distance from the track and adapted to control the operation of the said motor in either direction as well as the stopping of the motor.

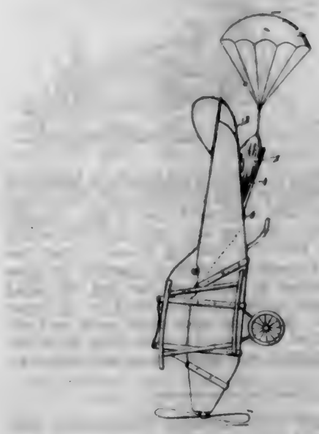


1,556,501. CIGAR-BOX COVER. WILLIAM DITZ, Saginaw, Mich. Filed Oct. 13, 1924. Serial No. 743,509. 3 Claims. (Cl. 131—30.)



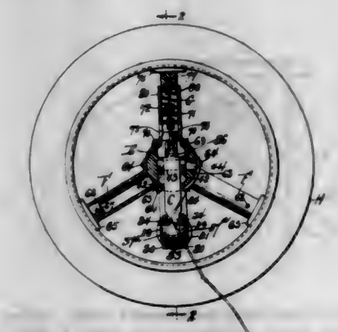
8. A humidifying attachment for cigar boxes comprising a cover to overlie the box, a longitudinally extending substantially tubular humidifying chamber formed with the cover and having a longitudinally extending passageway at one side of its underface whereby an absorbent element may be inserted into the substantially tubular member.

1,556,502. SAFETY DEVICE FOR AEROPLANES. LILLIAN DOUCETT, San Diego, Calif. Filed Mar. 9, 1925. Serial No. 14,178. 2 Claims. (Cl. 244—21.)



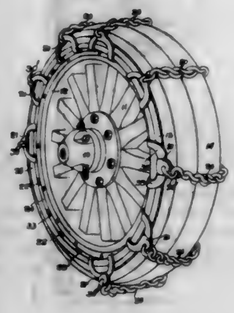
1. A safety device for an aeroplane comprising a parachute, a housing within the fuselage for containing the parachute, a reinforced frame attached to the fuselage, cables connecting the parachute with the frame so that the parachute when opened will hold the plane in horizontal position, breakable means for holding the cables against portions of the aeroplane when the parachute is in its housing and means for permitting an occupant of the plane to remove the parachute from the housing.

1,556,503. TIRE SUPPORT. RALPH H. DUNHAM, Jersey City, N. J. Filed Feb. 4, 1922. Serial No. 534,665. 7 Claims. (Cl. 224—29.)



1. In a tire support the combination of a lifting arm, a hub hinged to the swinging end of the lifting arm, a pair of supporting arms extending from the hub, a stationary locking shoe for the outer end of each of the supporting arms, a third supporting arm extending from the hub, a movable locking shoe for the outer end of the third supporting arm, and a linked connection between the movable locking shoe and the lifting arm.

1,556,504. ANTISKIDDING DEVICE. THADDIOUS V. ELLIOTT, New Brunswick, N. J. Filed Jan. 5, 1921. Serial No. 435,223. 7 Claims. (Cl. 152—2.)

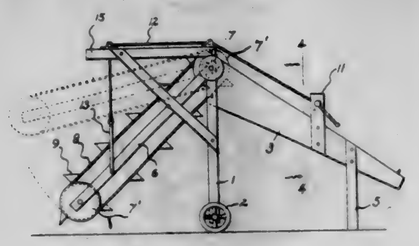


7. In an anti-skidding device for a vehicle wheel, a ring mounted to turn on a face of the wheel and provided with spaced apertures, a double hook adapted to engage the said apertures, and a bolt mounted on the ring and engaging the said hook to lock the latter in place on the ring.

1,556,505. COAL-BAGGING MACHINE. ALBERT H. ENGLERTH, Ambler, Pa. Filed May 14, 1923. Serial No. 638,991. 1 Claim. (Cl. 198—123.)

A coal bagging machine, comprising an upright frame, a horizontally arranged extension frame at the top thereof, wheels on the bottom of the upright frame, an inclined chute having its upper end connected with the upper end of the upright frame, legs on the chute which, with the upright frame, supports the apparatus in up-

right position, a conveyor frame, drums carried by the same, a bucket carrying member passing over the drums, the pintles of the upper drum having bearings in the top part of the upright frame and pivotally connecting



the conveyor frame with said upright frame, pulleys on the extension frame, uprights on the chute, a winch carried thereby, a cable connected with the winch and passing over the pulleys and a yoke on the conveyor frame to which the other end of the cable is connected.

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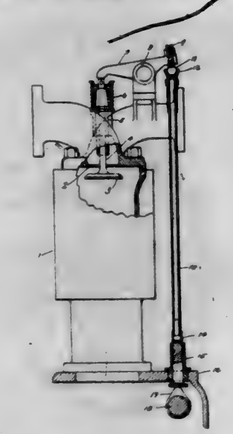
1,556,506. INTERNAL-COMBUSTION ENGINE. ANSLEY H. FOX, Philadelphia, Pa., assignor, by mesne assignments, to Fox Holding Company, Philadelphia, Pa., a Corporation of Delaware. Filed Feb. 1, 1922. Serial No. 533,419. 5 Claims. (Cl. 123—90.)



3. In an internal combustion engine, the combination with a rocker arm, of a push rod engaging said rocker arm of a push rod engaging said rocker arm and containing a lubricant chamber and a feed passage therefor, and a movable closure for said passage, said chamber discharging to the engaging surfaces of said rod and rocker-arm.

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1,556,507. GARMENT SEPARATOR. IKE GRONAUER, Memphis, Tenn., assignor to Memphis Paper Company, Memphis, Tenn., a Corporation of Tennessee. Filed Dec. 12, 1923. Serial No. 680,271. 1 Claim. (Cl. 45—37.)

A separator for ladies' gowns comprising a sheet of relatively stiff flexible material adapted to be suspended between adjacent similarly suspended garments to prevent entanglement of the same, said flexible sheet having its upper corners folded upon itself to form a pocket for a hanger, a hanger having oppositely extending arms disposed beneath said corners, and a strip of material ex-

tending across and uniting said corners, said strip also being attached to the body of the sheet and forming a reinforce therefor, substantially as set forth.

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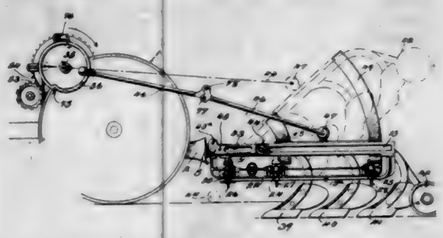
1,556,508. PLOW. CHARLES S. HENTZELL and MILLARD P. HENTZELL, Milwaukee, Wis., assignors of nine forty-eighths to George Hoelcher, Chicago, Ill., and nine forty-eighths to Charles R. Smith, Syracuse, Ind. Filed May 16, 1921. Serial No. 469,885. 1 Claim. (Cl. 97—47.)



The combination of a tractor, a substantially horizontal coupling frame secured thereto, a substantially horizontal kingbolt carried by said coupling frame, a plow supporting frame pivotally carried by said king bolt and having sliding connection with said coupling frame, a draw bar pivotally carried by said king bolt, a plurality of plow beams pivotally joined to said draw bar and extending rearwardly, a single guider wheel carried by an outer plow beam, a plow carried by each plow beam, and adjusting means carried by said plow supporting frame for simultaneously adjusting said plow beams and said draw bar.

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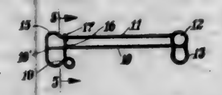
1,556,509. SAFETY PIN. LEOPOLD HOCHREINER, New York, N. Y. Filed Oct. 15, 1924, Serial No. 743,674. Renewed Aug. 27, 1925. 5 Claims. (Cl. 24—161.)



1. A safety pin formed of a length of wire bent to form two parallel reaches, said reaches being united at one end in a transversely projected coil, one of the reaches having its other end pointed, the other reach being formed at its other end to present a loop in which the said pointed end engages, the said loop and coil extending at a slight inclination to the plane of the said reaches.

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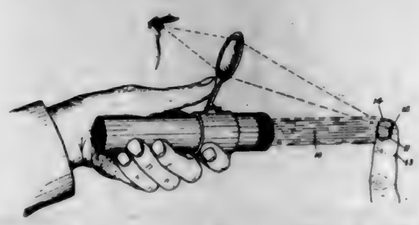
1,556,510. MAGNIFIER. BURNHAM W. KING, New York, N. Y., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Dec. 26, 1922. Serial No. 608,934. 5 Claims. (Cl. 88—39.)



1. A device of the character described, the combination with a source of luminosity, of a controlling switch therefor and a foldable magnifier having a portion actuating the switch as the magnifier is shifted into operative relation.

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1,556,511. ADVERTISING APPARATUS. EDWARD JOHN DOBBINS, St. Marylebone, London, England, assignor to William John Stewart, London, England. Filed Nov. 29, 1924. Serial No. 752,965. 7 Claims. (Cl. 40—125.)

1. An advertising apparatus comprising a horizontal transparent tube, a body of transparent fluid in said tube the volume of which is less than the volumetric capacity of the tube, and advertising matter arranged in inverted form on the back of said tube below the level of the liquid therein.

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1,556,512. CEMENTING AND COATING COMPOSITION. VIRGIL LEROY FARRINGTON and EDWIN T. ALDERMAN, Nevada, Iowa. Filed June 14, 1922. Serial No. 568,241. Renewed Feb. 14, 1925. 2 Claims. (Cl. 134—79.)

2. A composition for coating or cementing films, comprising approximately four parts of nitrocellulose, eight parts of acetone, one to four parts of ether, two to eight parts of amyl acetate, and four to eight parts of alcohol.

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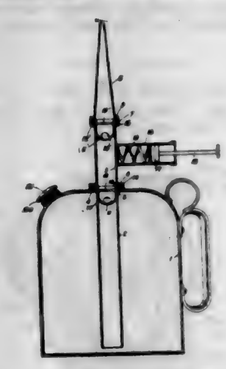
1,556,513. OIL CAN. ALBERT EDWARD FEE, Killam, Alberta, Canada. Filed July 5, 1924. Serial No. 724,377. 2 Claims. (Cl. 221—51.)

1. In an oil can, the combination with the can body, of an oil feed tube comprising separable upper and lower feed portions, the lower portion extending down into the can body, a depending cup shaped valve seat having an outwardly extending flange, a ball valve in the valve seat, means for removably securing the flange between the two portions, a separable spout portion, a depending cup shaped valve seat having an outwardly extending flange, a ball valve in the valve seat, means for



removably securing the flange between the spout portion and the upper feed tube portion, a plunger tube communicating with the upper feed tube portion and a plunger reciprocable in the plunger tube.

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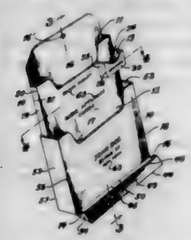
1,556,514. HOLDER. MORRIS E. FELDMAN, New York, N. Y. Filed Apr. 29, 1924. Serial No. 709,866. 2 Claims. (Cl. 120—8.)



1. A holder formed from a single blank of material, cut and bent to form a rear wall, an intermediate wall, and a front wall, side walls connecting said intermediate wall with said rear wall to form a pocket, a bottom for said pocket, side walls integral with said front wall and having flaps adjacent thereto for adhesive connection to the back of said rear wall to form a second pocket, a bottom therefor, and a plurality of sections between the front wall and said last bottom foldable for forming a trough.

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1,556,515. COUPON. HENRY E. FRENCH, New York, N. Y. Filed Sept. 11, 1923. Serial No. 662,121. 2 Claims. (Cl. 283—56.)

1. A coupon which includes a pair of folded portions separated by a line of perforations, printed matter on the outer surface of one of said portions relating to the fact that this portion of the coupon has an exchange value at a certain store, and printed matter on the outer

surface of the other of said portions relating to the fact that this portion has an exchange value at another store, the temporary union of the two portions thus permitting one company to assist in stimulating the trade of another by sending out these two coupons together to a customer.

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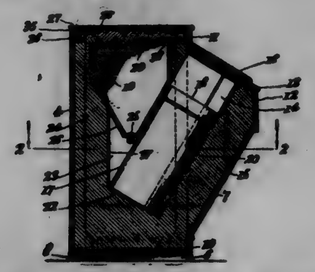
1,556,516. ICE-CREAM CABINET. EARL V. GARRETT, Tamaqua, Pa. Filed Feb. 10, 1925. Serial No. 8,258. 4 Claims. (Cl. 62—75.)



4. An ice cream cabinet comprising a substantially vertical portion and an adjoining lateral portion with communicating air spaces in both said portions, cans held diagonally in said lateral portion, a receptacle held above said cans in the vertical portion of the cabinet for holding refrigerant material out of contact with said air spaces and the cans and for promoting a circulation of cold air through the spaces and about said cans, a sub-counter above said refrigerant receptacle having an opening therein, a cover plate for the opening, and a main counter hinged to said cabinet above said sub-counter.

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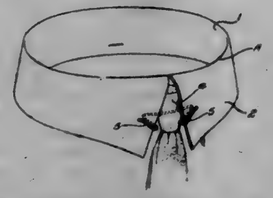
1,556,517. COLLAR SUPPORTER. STANLEY L. GRENEY, Maplewood, N. J. Filed Feb. 19, 1925. Serial No. 10,373. 2 Claims. (Cl. 24—81.)



1. A collar supporter, comprising a pair of gripping devices adapted to engage the outer portions of a turnover collar at the front thereof, and a member connecting the gripping devices and of a length greater than the space between the outer portions of the collar and curved throughout its length concentrically with the normal curvature of the collar band and adapted to lie smoothly against the collar band, said gripping devices being located at an angle to the connecting member and functioning to hold said outer portions of the collar spaced from the neckband, and spaced from each other, and said device as a whole adapted to so hold the collar as to provide an unobstructed necktie receiving portion within the collar.

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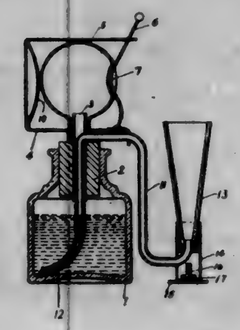
1,556,518. PEN-FILLING DEVICE. JAMES GILLIES, Fort Scott, Kans. Filed May 12, 1924. Serial No. 712,806. 1 Claim. (Cl. 120—69.)

A device of the class described comprising a container, a stopper for the mouth of the same, a pipe passing through the stopper, a frame carried by the pipe, and having a slotted upper part forming a guideway, a bulb in the frame and having its mouth encircling the upper end of the pipe, a lever pivoted to the lower part



of the frame and engaging the guideway for collapsing the bulb, a receptacle, a pipe connected with the bottom of the same and passing through the pipe in the stopper and extending to the bottom of the container.

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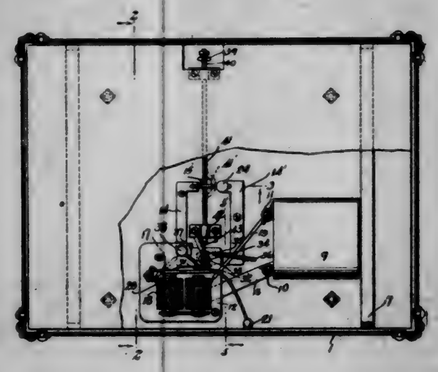
1,556,519. SAFETY CHEST. GEORGE O. GUMBS, Rockville Center, N. Y. Filed Dec. 28, 1921. Serial No. 525,306. 5 Claims. (Cl. 177—314.)



5. A chest having a hinged cover, a spring-pressed plunger, a hoe connected with said plunger and normally holding it in an inactive position, but releasing said plunger when the chest is moved, an alarm controlled by said plunger, and a setting mechanism, actuated by the opening of the cover, for bringing the shoe and plunger to the normal or inactive position, said mechanism including a link which has a lost-motion pivotal connection with the cover and limits the opening movement thereof.

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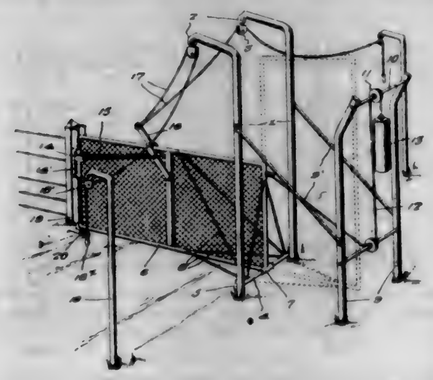
1,556,520. GATE. ARTHUR C. HARMAN, Delta, Iowa. Filed Apr. 2, 1923. Serial No. 629,416. 1 Claim. (Cl. 39—44.)

A gate of the class described comprising a pair of uprights, a shaft rotatably carried by said uprights, pulleys at the upper ends of the uprights, a gate having its lower rear corner connected with the shaft, braces connecting the gate with the shaft, a cable connected with the upper rear part of the gate, posts in rear



of the uprights, shafts carried by the posts, pulleys carried by the shafts and over which the cable passes, a counterweight carried by the cable and a pair of



cables connected with the gate and passing over the pulleys carried by the uprights, said cables extending to a point where they may be seized by a person approaching or leaving the gate in a vehicle.

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1,556,521. FURNITURE ELEMENT FOR SHOE FITTING. DANIEL F. HART, New York, N. Y. Filed Mar. 30, 1923. Serial No. 628,878. 5 Claims. (Cl. 155—165.)

1. An article of furniture for use in shoe stores, comprising a foot-rest board having a slot in one of its side edges, said slot extending from the front to the rear of the board and adapted to receive a foot rule substantially wholly therewithin, and spring means within the slot to restrain the rule within the slot.

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1,556,522. CLEAT. PATRICK LEE HUDGINS, Decatur, Ga. Filed Jan. 5, 1925. Serial No. 682. 3 Claims. (Cl. 292—206.)

1. In combination with a freight car having a sliding door with a recess therein, a casing carried in said recess spaced from the bottom of the recess, a pivoted latch member in the casing, spring means behind the casing for pressing the latch member against the casing, means whereby said latch member may be sealed in latched position, a cover plate for said casing and recess, and means carried by the car body for cooperating with the latch member to hold the door in closed position.

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1,556,523. WRENCH. ALBERT G. HUGHES, New York, N. Y. Filed July 3, 1924. Serial No. 724,076. 2 Claims. (Cl. 81—53.)

1. A wrench comprising a pair of members each having a jaw and a handle section, and mating means extending longitudinally of the handle sections from the jaws to the ends of the handle sections, and permitting a relative longitudinal movement of said members to vary the distance between the jaws, and capable when the handle sections are gripped in wielding the wrench, of holding the members and therefore the jaws against relative movement by virtue of frictional contact set up between said mating means.

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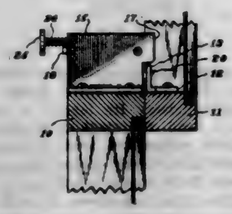
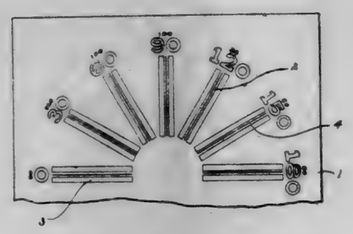
1,556,524. WINDOW LOCK. EMORY G. KIBBLE and CLAYTON C. WILSON, Jr., Philadelphia, Pa. Filed July 7, 1923. Serial No. 650,064. 1 Claim. (Cl. 292—127.)



The combination with the upper and lower sashes of a window casement, of an apertured angle plate, secured to and parallel with said upper sash, an inverted T housing secured to said lower sash at right angles thereto, a pawl pivotally disposed in said housing, its free end adapted to enter the aperture in said angle plate, a spring influenced rectangular plunger for controlling said pawl, a rectangular notch in one end of said plunger, for receiving the other free end of said pawl, a stop member integral with said housing, a shoulder formed on the other free end of said plunger, for limiting the rearward movement of said plunger, a retractile spring on said free end of said plunger, and a spring retaining finger piece secured to said free end of the rectangular plunger substantially as described.

1,556,525. EYE TESTING. BURNHAM W. KING, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed May 7, 1923. Serial No. 637,089. 13 Claims. (Cl. 88—20.)



1. An eye testing chart having an astigmatic dial, and colored bands bordering the several spokes of the dial.

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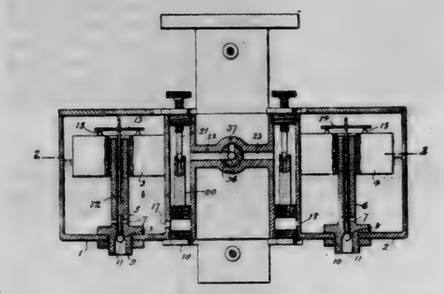
1,556,526. DUPLEX CARBURETOR. CARRL GOVERT KREBS, Brooklyn, N. Y. Filed May 21, 1924. Serial No. 714,853. 3 Claims. (Cl. 261—18.)



1. A duplex carburetor, comprising a casing provided with a mixture flow control valve having a pair of discharge openings midway its length, a pair of inlet openings near one end functioning at different times and a central bore connecting said discharge openings with said inlet openings, a pair of float chambers adapted to receive different fuels, means providing a passage-way from the respective float chambers to said inlet openings, said inlet openings being arranged at an angle to each other whereby the mixture flow control valve may be turned to one position for feeding fuel from one float chamber and turned to a second position for feeding fuel from the other float chamber.

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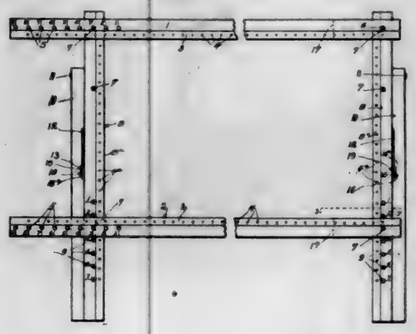
1,556,527. CURTAIN STRETCHER. HENRY H. KRIEGER, Braddock, Pa. Filed Feb. 15, 1922. Serial No. 536,787. 1 Claim. (Cl. 45—24.)

In a curtain stretcher, side bars provided with spaced forwardly projecting pins, top and bottom bars each provided in one end portion with openings adapted for reception of any of the pins, selectively, blocks secured on the inner face of each of the top and bottom bars adjacent to the other end thereof, said top and bottom bars being each provided with a pin receiving opening beyond said block and so related thereto that when a pin of the adjacent side bar is inserted through the opening the block is held in close contact with the adjacent edge of said side bar whereby said blocks



coact with the side bar to brace the top and bottom bars and hold them at right angles to the side bar with which the blocks contact.

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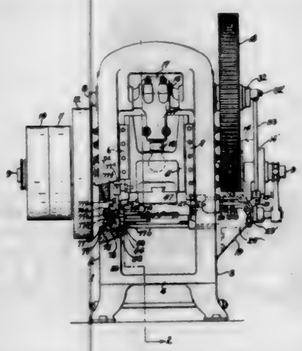
1,556,528. APPARATUS AND PROCESS FOR MAKING CHAINS. SYLVANUS D. LOCKE, Bridgeport, Conn., assignor to The Locke Steel Chain Company, Bridgeport, Conn. Filed Mar. 1, 1923. Serial No. 622,092. 50 Claims. (Cl. 59—6.)



35. In a machine of the character described, the combination with means for transforming a strip of metal into similar chain links, devices for feeding said strip and similar links forward step-by-step, and means for severing each link as completed from the strip of metal and connecting it with the next preceding link, of devices for accelerating the forward feeding movement of said connected links while said strip of metal feeds forwardly one step whereby a link space is produced between said connected links and strip, and means for feeding a special link to said link space and in position to be incorporated in the strand of chain.

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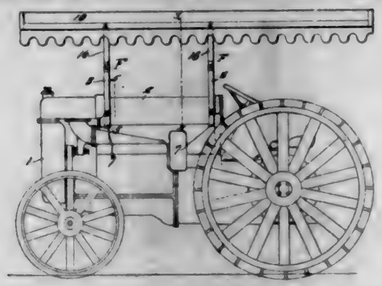
1,556,529. TRACTOR TOP. JOHN BARNEY LOGEMANN, Meltonville, Iowa. Filed Apr. 22, 1925. Serial No. 25,056. 3 Claims. (Cl. 296—102.)

1. The combination with a tractor having a fuel tank, of a top therefor, comprising spaced frames having



arched lower portions arranged over the tank, arched brackets on the under face of the tank and removably secured on the frames, the upper portions of the said



frames being arched and notched, slats arranged and secured in the notches and projecting beyond the frames and a fabric cover supported by said slats.

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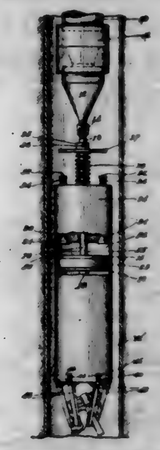
1,556,530. FISHING TOOL. ERVIN H. MCCLEARE, Long Beach, Calif., assignor of thirty-three and one-third per cent to C. Sheridan Bailes, Long Beach, Calif. Filed Nov. 6, 1924. Serial No. 748,132. 16 Claims. (Cl. 294—116.)



1. A fishing tool comprising a plurality of fish engaging members adapted to be connected to the lower end of a drill tube, hydraulic means for expanding said members while within a well, and means for contracting said members.

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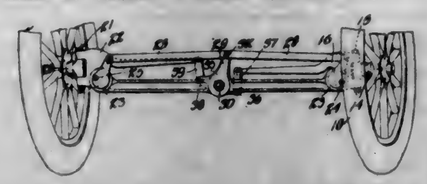
1,556,531. VEHICLE STEERING MECHANISM. ROBERT M. MCMILLIN, Lagrange, Ga. Filed Dec. 27, 1924. Serial No. 758,450. 6 Claims. (Cl. 280—95.)



1. In a vehicle, an axle having a bearing adjacent each end thereof, eccentric journaled in said bearings, levers fulcrumed on said eccentrics, steering knuckles carried by said levers, vehicle wheels on said steering knuckles, rock-arms extending rearwardly from the steering knuckles, a rod connecting said rockarms, means for turning the steering knuckles about vertical axes to steer the vehicle, connections from said rod to said levers for tilting them in opposite directions to tilt the vehicle wheels, and connections from said rod to said eccentrics for simultaneously moving them to maintain the horizontal level of the axle, substantially as set forth.

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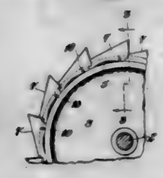
1,556,532. TURBINE WHEEL. PATRICK J. MAHER, New York, N. Y. Filed Nov. 11, 1924. Serial No. 749,249. 2 Claims. (Cl. 253—136.)



1. In combination, a turbine wheel having peripheral shoulders along its edges, curved blades having their edges resting on said shoulders, pins extending through the blades and the periphery of the wheel to fasten the blades thereto, the forward and rear edges of each blade being cut to provide shoulders which interlock with corresponding portions of the adjacent blades.

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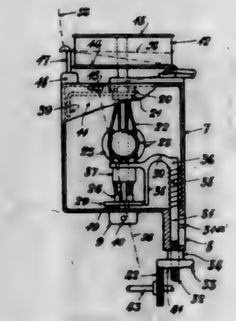
1,556,533. DRAG OR TENSIONING MOTION. JOHN HENRY MARSH, Manchester, England. Filed Jan. 24, 1924. Serial No. 688,205. 5 Claims. (Cl. 242—156.)



1. Means for applying tension to a yarn thread as it passes from a winding off point to a winding on point, comprising a drag wheel around which the thread passes and which wheel is rotated by the thread, centrifugal means operated by the rotation of the drag wheel to bring into operation at a predetermined speed of the latter retarding means for such wheel, and variable means for determining the speed point of the said drag wheel at which point the retarding means come into operation.

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1,556,534. AUTOMATIC FUSE. JAMES MANIAS, Glens Falls, N. Y., assignor of one-half to Gust D. Goluses, Glens Falls, N. Y. Filed June 27, 1924. Serial No. 722,771. 2 Claims. (Cl. 200—126.)

1. A repeating fuse comprising a hollow body of insulating material open at one end and closed at its opposite end and having adjacent to its latter end a conductive covering, a spring terminal connected to the closed end of the body, a conductive member aranged in the open end of the body and electrically connected by an interior conductor with the said conductive covering, a terminal carrying member resting over the said con-

ductive member and having a lug back of the same and also having a plurality of spaced terminals intersecting the path of the free end of the spring terminal, a transparent disk opposed to the open end of the body and arranged over the terminal carrying member, and a closure cap arranged over said disk and secured on the body and having a slot for the display of the terminals.

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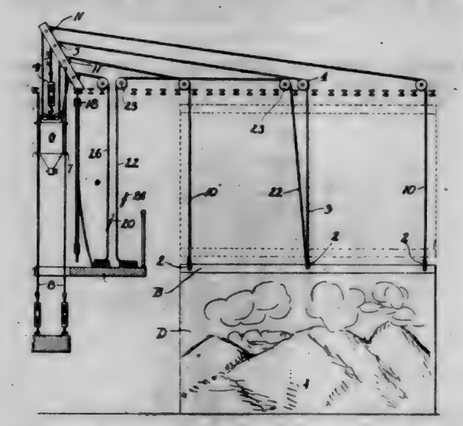
1,556,535. THEATRICAL COUNTERWEIGHT SYSTEM. ANTON MAZZANOVICH, Los Angeles, Calif. Filed Mar. 15, 1923. Serial No. 625,194. 3 Claims. (Cl. 254—144.)



1. In a theatrical counterweight system, means forming vertical parallel guides, a hopper mounted to move vertically upon the guides, a cross bar connected to the hopper, pulleys mounted upon the cross bar, a baton, an adjustable counterbalancing cable connected to the center of the baton and running over guide pulleys and downwardly and connected to the cross bar, a second equalizing cable connected at its ends to the ends of the baton, and running over guide pulleys and around the pulleys upon the cross bar, and valve means for adjusting the weight of the hopper to counter-balance the load carried by the baton.

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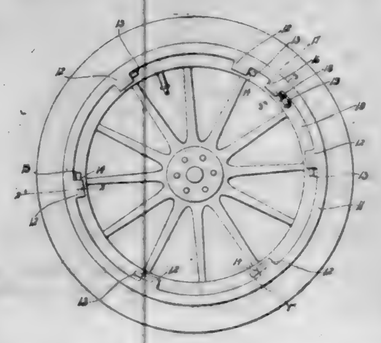
1,556,536. RIM. CHARLES S. MESERVEY, Bangor, Me. Filed Jan. 30, 1924. Serial No. 689,477. 1 Claim. (Cl. 301—17.)

The combination with a wheel felly and a rim removably mounted thereon, of a plurality of inwardly directed socket elements carried by the rim and disposed parallel to one of the vertical faces of the felly, a plurality of bolts passing transversely through the felly, tapered right angularly extending heads carried by the bolts and engaged in the socket members, an element also carried by the rim and provided with a longitudinally extending threaded bore, a sleeve carried by the felly, a screw rotatably supported in the sleeve and adapted to have threaded engagement with the bore whereby to hold the rim against circumferential movement.



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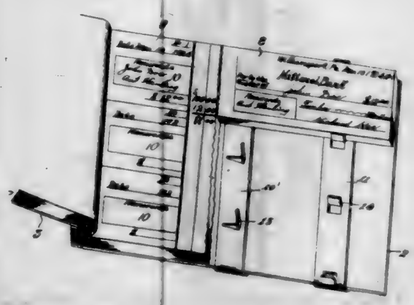
1,556,537. INDEXED REFERENCE CHECK BOOK AND RETURNED-CHECK FILE. JOHN H. MORTIMER, Williamsport, Pa. Filed Apr. 1, 1925. Serial No. 19,985. 3 Claims. (Cl. 281—15.)



3. The combination with a check book, of bendable means on the inner face of the back cover thereof designed to pierce and sustain on the cover canceled checks in coaxial alignment with the stubs from which the checks were detached and means also on the cover for contacting with the edges of said canceled checks.

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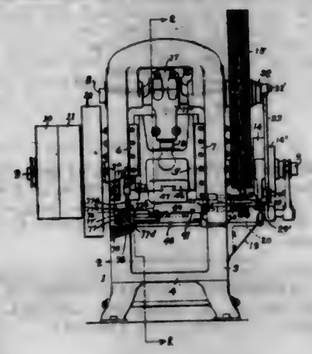
1,556,538. METHOD OF AND MACHINE FOR MAKING AND ASSEMBLING CHAIN LINKS. CHARLES PARKER, Bridgeport, Conn., assignor to The Locke Steel Chain Company, Bridgeport, Conn. Filed Sept. 17, 1921. Serial No. 501,429. 55 Claims. (Cl. 59—6.)

41. In a machine of the character described, the combination with a stationary die and a movable die adapted to transform a strip of metal into connected similar chain links, devices for simultaneously feeding said strip and connected links forward step by step, and means for at intervals interrupting the feeding movement of said strip while said connected links are fed forward, whereby a link space is produced upon the finishing portion of



the dies, of mechanism for feeding special links in position to be incorporated in the strand of chain, said special link feed mechanism including a link receiving member associated with said dies, and devices for moving a special link from said receiving member to each link space as produced.



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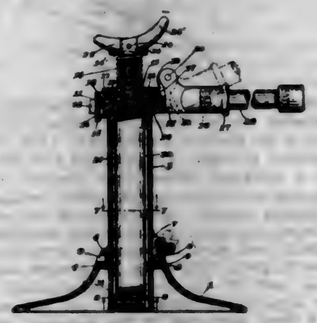
1,556,539. SCREW JACK. JOHN F. PARKER, Portland, Me. Filed Mar. 12, 1925. Serial No. 15,094. 1 Claim. (Cl. 254—100.)



In a screw jack, the combination, with a tubular body member having a nut rotatably mounted thereon and a screw adapted to engage said nut and to operate within and above said body member, and with means to actuate said nut, of a base member having an aperture in the top thereof through which the lower portion of said body member may pass, a circumferential flange on said body member adapted to bear on the top of said base member, a flange on the top of said base member projecting inwardly and with portions in opposition cut away for a spaced distance, lugs on said body member beneath and separated a spaced distance from said circumferential flange and adapted to enter the spaces where said base member flange is cut away, and positioned, vertically, so as to engage the under sides of said base flange when said body member is oscillated a predetermined distance on said base member, whereby the said base member flange may serve as the tongue and the space between the lugs and the circumferential flange of the body member may serve as the groove and together, constituting vertical locking means for the two members, stops on said base member against which said lugs may abut, restricting the lateral movement of said body member, a pawl pivotally mounted on said body member and adapted, to engage a depression on the said base member and constituting lateral locking means for said body member on said base member, substantially as described.



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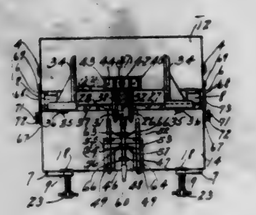
1,556,540. DOWEL PINHOLE-BORING MACHINE. GEORGE E. PATTERSON, Greenwich, Conn. Filed Sept. 14, 1923. Serial No. 662,632. 3 Claims. (Cl. 77—62.)



1. A device of the kind described, comprising shoes positioned horizontally in parallel spaced relation, the same having lower rearwardly extended stock bed ribs, and forwardly extended and relatively lower tool bed ribs, the latter ribs having integrally formed elongated dogs on their inner sides and inclined upwardly from their front ends to their back ends; a stationary stock bed on the rear ribs of the shoes; a vertically adjustable tool bed having elongated inclined dogs at its side edges complementarily and slidingly intermeshing with the dogs of the said shoes; means for clamping the stock to the stock bed; and means for adjustably supporting the bit on the tool bed and centering the bit to the stock.

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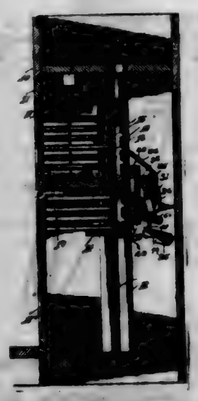
1,556,541. TOWEL-DISPENSING MACHINE. JOHN M. PERRY, Vosburg, Miss. Filed Oct. 30, 1922. Serial No. 597,841. 3 Claims. (Cl. 45—32.)



1. A towel dispensing machine including a cabinet and a towel carrying carrier movably supported in the cabinet, a rack carried by the carrier, detents engageable with the rack, a guiding means receiving slidably therethrough the detents, and means for moving the guiding means whereby to move the said detents out of the path of the rack.

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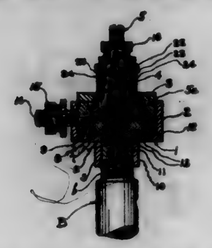
1,556,542. TIRE ALARM. NORMAN PHILLIPS and ARCHIBALD J. MARTIN, Salem, Ohio. Filed Oct. 4, 1924. Serial No. 741,675. 7 Claims. (Cl. 200—58.)

1. In a device of the character described, a cap adapted to be removably secured on a tire inflating valve tube of a pneumatic tire, a head carried by the cap, said cap and head being of electrical conducting material and

communicating with each other, a diaphragm of electrical conducting material mounted in the head beyond the cap, means for effecting a fluid tight closure about the



diaphragm and for securing it in the head and electrically insulating it therefrom, and means for urging the diaphragm toward the cap and for connecting it to an electric conductor.

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1,556,543. ELECTROLYTIC PROCESS FOR TREATING SOLUTIONS DERIVED FROM LEUCITIC ROCKS. UMBERTO POMILIO and FRANCESCO GIORDANI, Naples, Italy, assignors to Pomilio Brothers Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 25, 1922. Serial No. 584,385. 9 Claims. (Cl. 207—9.)

1. A process for deriving aluminum from potassium aluminum silicates soluble in hydrochloric acid comprising attacking the silicates with such acid, neutralising the resulting solution, and then electrolyzing such solution to remove the iron therefrom, substantially as set forth.

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1,556,544. HAIR CURLER. WILLIAM H. PRITCHETT and OLAF J. CHRISTIANSEN, San Diego, Calif. Filed May 21, 1925. Serial No. 31,874. 3 Claims. (Cl. 132—41.)

1. A hair curler comprising a body strip rolled over in opposite directions at opposite ends and against its opposite faces to provide hinge eyes, the extremities of the strip being bent outwardly from the hinge eyes to provide hooks at opposite sides and at opposite ends of the body strip, and clamping members arranged at opposite sides of the body strip and hingedly mounted in said hinge eyes, said clamping members being adapted for engagement beneath said hooks to lie flat and in closely adjacent relation to the opposite sides of the body strip.

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1,556,545. ADJUSTABLE INK RESERVOIR FOR PENS. JAMES M. QUICKE, Petersburg, Va. Filed Mar. 10, 1924. Serial No. 698,226. 1 Claim. (Cl. 120—114.)

An adjustable ink reservoir for pens, comprising a tongue, and a head on the inner end of the tongue, said head having curled spring arms adapted to yieldably and adjustably engage the opposite wings of a pen and support the head across the pen, said tongue being curved inwardly from the head toward the point of the pen to space the intermediate portion of the tongue from the pen and provide a reservoir for ink, said curled

spring arms being narrow and the curled spring portions thereof being adapted to bind and rock on said wings of the pen to yieldingly hold the end of the tongue against the point of the pen and adapt the device to pens of various types.

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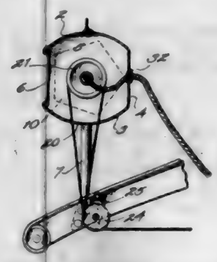
1,556,546. AUTOMOBILE SIGNAL. HENRY R. REYNOLDS, Wallace, N. Y. Filed Oct. 29, 1924. Serial No. 746,610. 1 Claim. (Cl. 116—43.)



A vehicle signal of the character described comprising an elongated box, a right angle disposed arm securing said box to the frame of the vehicle in a manner whereby it is adapted to overlie the left hand rear fender of the vehicle, a polygonal shaped drum mounted for rotation in said box and being provided with transparent side walls bearing legends, arcuate shaped top and bottom walls included in said box and having their free horisontal edges curved upon themselves to provide grooves, a transparent plate received in the grooves and forming the rear wall of the box, a substantially U-shaped bracket inwardly extending from one end wall of the drum, a lamp supported by the U-shaped bracket and being adapted to illuminate the drum whereby the rays of illumination will pass through the side wall of the drum confronting the transparent wall of the box as and for the purpose specified.

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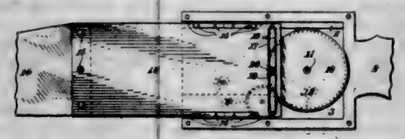
1,556,547. MOTOR-OPERATED HANDSAW. ALPHONSE T. RICARD, Detroit, Mich., assignor of nine-twentieths to Frank Frustaglib, Windsor, Canada. Filed June 14, 1923, Serial No. 645,406. Renewed Aug. 20, 1925. 2 Claims. (Cl. 143—68.)



1. A hand saw comprising a frame having a hollow side wall and provided with a hand grip at one end, the inner face of said side wall having a circular recess therein, a removable wall secured to said side wall and forming a cover plate therefor, whereby to form a pocket in said frame open at the front end thereof, a saw sup-



porting member including a plate slidable in and out of said pocket and having a transverse slot extending across its inner end, a disk in said recess, a pin projecting from said disk and engaging in said slot, means to rotate said disk, bearing balls housed in the top and bottom edges of said plate and bearing on the top and bottom sides of said pocket, and other bearing balls housed in the faces of said plate and bearing against the cover plate and the opposed surface of the hollow side wall.

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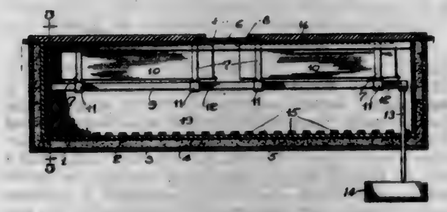
1,556,548. REFRIGERATOR. ARCHIE H. ROBERTS, Morris, Minn. Filed Apr. 30, 1921. Serial No. 710,055. 1 Claim. (Cl. 62—37.)



A refrigerator comprising a casing provided along its median longitudinal dimension and at its top with an opening, a cover for said opening, brine containers attached to the top of the casing and located one at each side of the said opening and extending longitudinally thereof, covers for the brine containers disposed upon the top of the casing, hangers depending from the top and extending around the brine containers, and drain pans supported in the lower portions of the hangers and beneath the brine containers.

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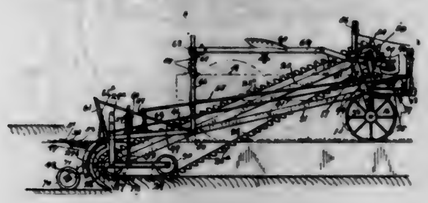
1,556,549. DITCHER. ADRIAN G. RONNING and ADOLPH RONNING, Minneapolis, Minn., assignors to Ronning Machinery Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Mar. 12, 1921. Serial No. 451,747. 23 Claims. (Cl. 37—101.)



1. In a ditcher, an elevator belt having a portion arranged to run in contact with the ground, and a shovel having its cutting edge located below the ground-engaging portion of said elevator belt, the ground-engaging portion of said belt serving as a gauge to limit the depth of cut of said shovel.

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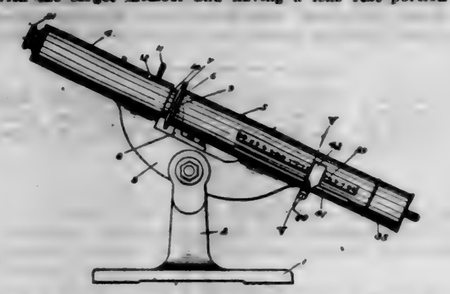
1,556,550. LENS-TESTING INSTRUMENT. EDGAR D. TILLYER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed May 31, 1921. Serial No. 473,843. 15 Claims. (Cl. 88—56.)

1. In an instrument of the character described, the combination with a support, of a target member slidably mounted upon the support, a sighting tube axially alined with the target member and having a lens rest portion



and an eye piece section slidably supported adjacent the lens rest a tube arranged within the tube and actuatable to clamp the lens to be tested against the lens rest.

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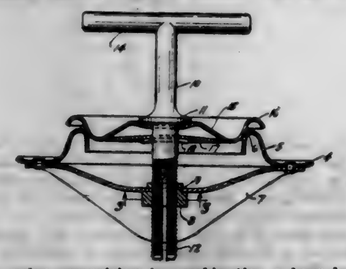
1,556,551. ORCHARD VALVE. WILLIAM A. WATERMAN, Exeter, Calif. Filed Aug. 6, 1923, Serial No. 656,091. Renewed June 30, 1925. 3 Claims. (Cl. 137—13.)



1. A valve comprising in combination a base having a port opening bordered by a raised seat, a valve cover of resilient sheet metal having a beaded outer flaring portion so arranged that the outer side of said bead will contact the inner side of said seat and slide thereon, said cover being dished so as to be expanded upon pressure downwardly upon the dished portion, a reversely dished portion at the center of said cover, a stem having a metal collar seating within the outer margin of said reversely dished portion in line contact metal to metal, a bracket mounted on the under side of said base and spanning said port opening, a nut secured to said bracket, said stem being engaged by threads with said bracket so as to move said cover to and from its seat.

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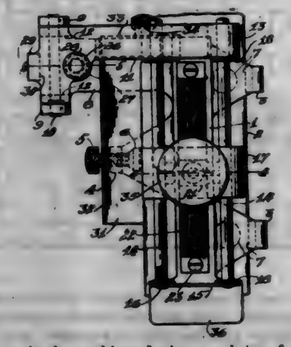
1,556,552. CHECK PROTECTOR. HERMAN C. WELTER, Rochester, N. Y., assignor to Hall-Welter Co., Inc., Rochester, N. Y. Filed Aug. 23, 1923. Serial No. 659,011. 13 Claims. (Cl. 101—20.)



1. In a check marking device, a platen formed with a plurality of parallel extending ridges and grooves, a

roller movable over said platen and formed with a surface mating with said ridges and grooves, the surface of the roller also being formed with regularly spaced axially extending gooves, and a support for the roller.

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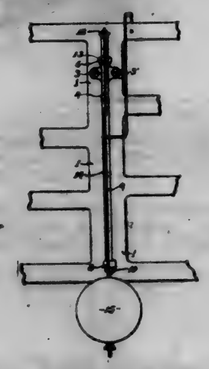
1,556,553. TEMPERATURE COMPENSATOR FOR CLOCKS. RICHARD A. WOODWARD, Geneseo, Kans. Filed Dec. 11, 1924. Serial No. 755,244. 3 Claims. (Cl. 58—133.)



1. In a temperature compensator for clocks, a vertical shaft having its upper end horizontally disposed and vertically slotted and a hole as a bearing in said horizontal portion, said shaft having its lower end horizontally disposed and recessed and perforated in vertical axial alignment with the hole through the upper portion thereof; a second shaft, having a coefficient of expansion differing from that of the first mentioned shaft; the said second shaft being housed within the hole in the upper portion of the first shaft and with its base anchored within and rigidly secured to the recessed base of the first shaft; said second shaft having its upper end portion horizontally disposed and inwardly slotted and arranged immediately above the corresponding parts of the first shaft, as a pendulum support.

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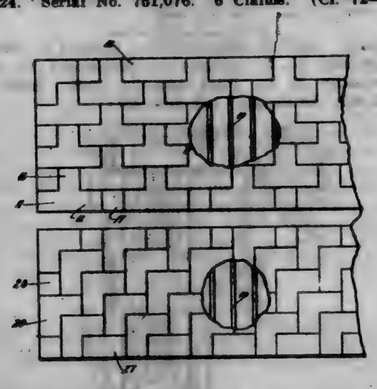
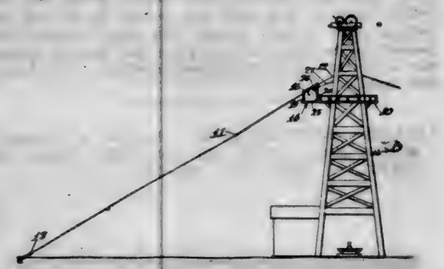
1,556,554. INTERLOCKING PLASTER BOARD. FRED H. BLANCHARD, Los Angeles, Calif. Filed Nov. 20, 1924. Serial No. 751,076. 6 Claims. (Cl. 72—25.)



1. A wall comprising equally spaced studs, and angular sections of plaster board secured to said studs, said sections being of such shape and so arranged that vertical as well as horizontal joints are broken.

1,556,555. SAFETY DEVICE FOR DRILLING DERRICKS. ALVY ADELBERT BROWN, Long Beach, Calif. Filed Apr. 30, 1925. Serial No. 27,119. 8 Claims. (Cl. 227—12.)



1. A safety device for drilling derricks comprising a cable having an end secured to a derrick a substantial distance above the ground and the other end anchored to the ground remote from the base of the derrick, a carriage movable upon the cable, said carriage comprising a pair of grooved wheels, suspending members on which said grooved wheels are rotatably mounted, a platform supported upon said suspending members, one of the suspending members being longer than the other, whereby the platform of the carriage will assume an approximately horizontal position while the carriage is on the inclined cable, and a breakable cord for releasably holding the carriage upon the cable adjacent the derrick.

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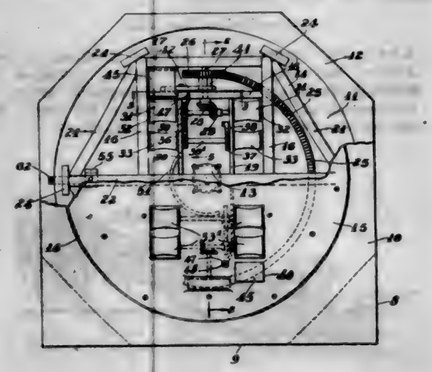
1,556,556. TURNTABLE. GEORGE E. CLAYTON, Compton, Calif. Filed Jan. 23, 1925. Serial No. 4,197. 5 Claims. (Cl. 104—41.)



1. A turntable comprising a base, a carriage rotatably mounted on said base, and means for operating said turntable by motion of the driving wheels of a vehicle being carried, and a safety stop comprising a bar riding upon an incline adapted to interfere with improper movement of the vehicle.

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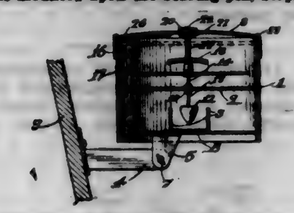
1,556,557. PATHFINDER. ARTHUR DE PASMELAERE, Gardena, Calif. Filed July 6, 1923. Serial No. 649,793. 8 Claims. (Cl. 33—215.)

2. A cylindrical housing having a bottom, a circular plate pivotally mounted in the housing upon a horizontal diametrical axis, a curved scale mounted adjacent to the periphery of the plate, a pendulum extending downwardly from the center of the plate, a bearing pin extending upwardly from the center of the plate, a compass needle mounted upon the bearing pin, stops for limiting the movement of the pendulum, a transparent cover for the housing, a threaded pin mounted through the cover, and a transparent plate upon the lower end of the pin to hold the compass needle upon the bearing pin.



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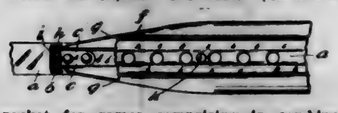
1,556,558. METALLIC RACKET. FRANCIS WILLIAM GOWER, Moseley, Birmingham, HUGH JAMES OWEN, Birchfields, Birmingham, and ROBERT JOHN NASH, Cannon Hill, Birmingham, England. Filed June 6, 1925. Serial No. 35,460. 3 Claims. (Cl. 273—73.)



1. A racket for games comprising in combination a metallic frame of the usual bow form with the extremities continued parallel to each other, but spaced apart to form a handle portion, distance pieces secured at intervals between said spaced extremities, a pair of hollow metal pressings secured opposite each other between said extremities, one end of each hollow pressing tapering toward and being engaged over one of said distance pieces, said tapering end having a lip for this purpose, means for embracing said distance piece and the lips on said pressings, and a suitable closure piece secured at the other ends of said pressings.

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1,556,559. MILKING-MACHINE TEAT CUP. HENRY ENOVALD KJESTRUP, Rangitumau, New Zealand. Filed June 5, 1924. Serial No. 718,129. 1 Claim. (Cl. 31—85.)

A teat cup, comprising a hollow casing, an elastic inflation tube arranged therein, said tube being of uniform uninterrupted interior area throughout its length, and a tapered nipple to hold the lower end of the tube relative to the casing, said nipple being held in place through the longitudinal elasticity of the tube, and a pulsator tube formed in part by the casing and opening into the latter at substantially a mid-length point thereof.



1,556,560. TANDEM MULTIPLANE. THOMAS R. MACMECHEN and ALEXANDER KLEMIN, New York, N. Y. Filed June 6, 1925. Serial No. 35,849. 9 Claims. (Cl. 244—12.)

1. A tandem multi-plane embodying a succession of aerofoils at substantially three chord intervals and substantially one-and-one-half descending altitudes from the leading to the rear aerofoils.

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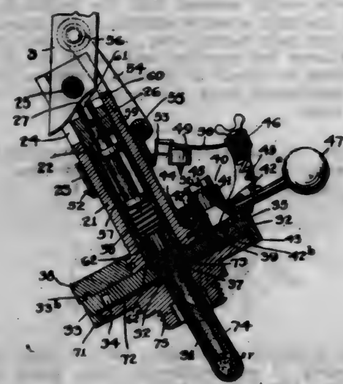
1,556,561. FUSE MECHANISM. JOSEPH MENCHEN, Summit, N. J., assignor to P. A. B. Alarm & Lock Corporation, Wilmington, Del., a Corporation of Delaware. Original application filed Apr. 13, 1918, Serial No. 228,843. Divided and this application filed June 17, 1921, Serial No. 478,385. Renewed Feb. 25, 1925. 7 Claims. (Cl. 102—36.)



8. A fuse container for aerial torpedoes comprising two disks secured together, the front disk having means of securement to the rear end of a torpedo and the rear disk having an arcuate series of flash ports leading from its rear face to a curved fuse channel within, and a detonator tube projecting centrally forward from the fuse container and having its rear end held between the disks.

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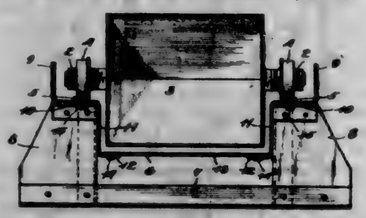
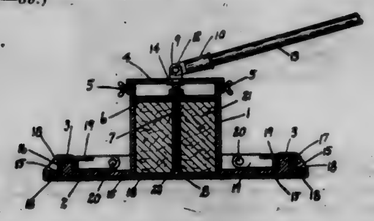
1,556,562. CONVEYER. GUSTAV R. RODDY, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 25, 1923. Serial No. 634,556. 7 Claims. (Cl. 198—204.)



1. A conveyor trough, comprising one-piece angular side plates and intermediate separable and replaceable bottom plates, the side plates being formed with downward extending flanges to which the bottom plates are directly and separately secured, and with top flanges adapted to serve as supports for the conveyer.

1,556,563. DEVICE FOR APPLYING POLISHING MATERIALS. JOHN A. THORBURN, Norwood, Ohio, assignor to Ray Thorburn, Hamilton County, Ohio. Filed Apr. 24, 1922. Serial No. 556,338. 3 Claims. (Cl. 91—39.)

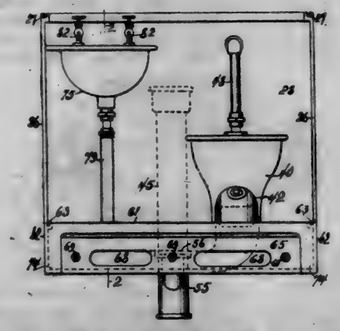


1. In a device of the character described, a base provided with an upwardly extending receptacle having a perforated bottom, a screw having its lower end rotatable in the bottom of the receptacle and having its upper end rotatably mounted in the top of the receptacle, a piston threaded to the screw and arranged in the receptacle for forcing waxing material through the perforated bottom, a pad conected to the base and adapted to receive waxing material from the receptacle, and a handle pivotally connected directly to the upper end of said screw, said handle being rotatable about the axis of the screw for operating said piston and to permit the handle to extend in different directions from the base, said handle being also rotatable about the axis of the pivot.

1,556,564. BLADE MOUNTING FOR CLIPPERS. LEO J. WAHL, Sterling, Ill. Filed Dec. 1, 1924. Serial No. 753,211. 11 Claims. (Cl. 30—1.)

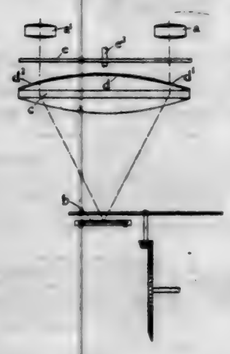
1. In a clipper, a stationary blade, a blade movable transversely of said stationary blade, means for reciprocating said movable blade comprising a connection having a single finger thereon and a member mounted to move with said movable blade having an opening therein with which said finger engages.

1,556,565. COMBINATION PLUMBING FIXTURE. ANDREW A. WALSH, Bayonne, N. J., assignor of one-half to William J. Coughlin, Bayonne, N. J. Filed Dec. 21, 1923. Serial No. 682,012. 7 Claims. (Cl. 4—3.)



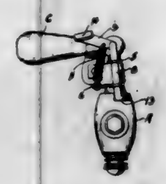
1. In a combination plumbing fixture the combination of a platform, a closet integral with and extending up from the platform, a trap integral with the closet, a soil pipe for the closet and integral with the outlet end of said trap, a slop sink formed with said platform and a trap connecting said slop sink and the soil pipe and integral therewith.

1,556,566. PHOTOGRAPHIC AND PROJECTION SYSTEM FOR OBTAINING STEREOSCOPIC EFFECTS. EDWIN HERBERT WRIGHT, Brighton, England. Filed Mar. 12, 1925. Serial No. 15,068. 1 Claim. (Cl. 88—16.6.)



In a stereoscopic cinematographic camera a pair of objective lenses spaced apart at substantially the normal ocular distance, a support for holding a photographic film in position for exposure, a superimposing lens disposed between the said objective lenses and the said support, a mask disposed adjacent the said superimposing lens and having two apertures therein whose axes coincide substantially with the axes of the said objective lenses, a rotatable disc disposed between the said objective lenses and the said superimposed lens, the said rotatable disc having its axis disposed centrally between the said objective lenses and parallel with the axes thereof and being of graded transparency which increases and decreases circumferentially, the transparency being at a maximum and at a minimum in diametrically opposite positions, and obturating means for preventing access of light to the film while the latter is moved for the exposure of successive image spaces thereof.

1,556,567. SAFETY ATTACHMENT FOR GAS COCKS. LEROY BROWN, Baltimore, Md., assignor to Harry M. Rodman, Baltimore, Md. Filed Feb. 28, 1925. Serial No. 12,439. 2 Claims. (Cl. 251—166.)

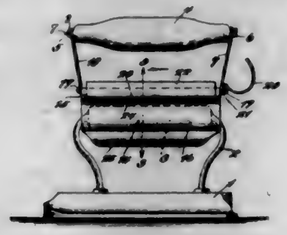


2. A safety attachment for gas cocks comprising a clamping member for securing the same to the valve means of a gas cock, a pair of paterally extending parallel arranged projections formed on the clamping member and being provided with registering openings, a latch lever mounted for slidable movement in the openings, a coil spring secured to said lever and one



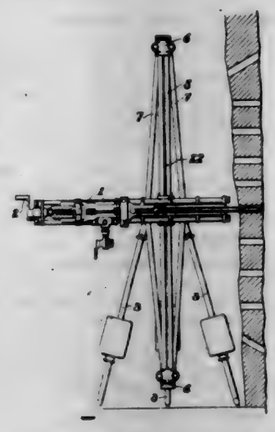
of said projections respectively and putting the lever under tension for automatically dropping the same to operative position, a right angle extension formed on the lower end of the lever for engagement with the gas cock to prevent the operation thereof and to also prevent removal of the lever from the projection, and finger manipulating means for the lever.

1,556,568. AUXILIARY HANDLE FOR SADIRONS. HAZEL A. DAVIS, Camden, Ark. Filed Mar. 18, 1924. Serial No. 700,134. 3 Claims. (Cl. 68—27.)



1. A device for the purpose indicated comprising opposed complemental clamping jaws having cross sectionally arcuate portions for engagement with the hand grip of a sad-iron, upstanding supports carried at the opposite ends of the jaws, and an auxiliary hand grip spanning said supports.

1,556,569. TOOL SUPPORT. DANIEL J. O'ROURKE, Clarkdale, Ariz., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Jan. 7, 1918. Serial No. 210,766. 18 Claims. (Cl. 255—54.)



1. In a drilling mechanism, a base, a bar pivotally mounted thereon for pivotal movement about an axis lying between its ends and disposable vertically adjacent the work, a drill support adjustable longitudinally of said bar, and a drill mounted on said support in a horizontal position and having feeding means associated therewith for feeding the same in a horizontal direction parallel to its axis.

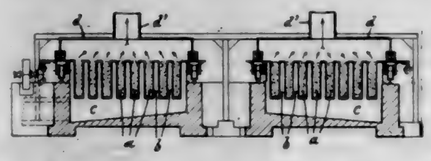
1,556,570. IMPREGNATED WOOD AND PROCESS OF TREATING WOOD. JOSEPH R. COOLIDGE, 3d, Brookline, Mass., assignor to Montan, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Feb. 2, 1925. Serial No. 6,463. 15 Claims. (Cl. 99—12.)

9. An article of the character described consisting of wood impregnated for a substantial depth with montan wax.

13. That improvement in the process of treating wood which consists in impregnating the wood for a substantial depth with montan wax.

14. That improvement in the process of treating wood containing excess water to impregnate it with a waxy substance which is hard at temperatures below 130° F. but becomes sufficiently fluid at 250° F. to flow into the tracheids of the wood, which consists in melting said substance, immersing the wood in the liquid so produced, driving the excess water out of the wood by heat transmitted to the wood through said liquid, maintaining a light preliminary pressure on said wood and liquid while said water is being driven off, and, after the desired amount of water has been driven out of the wood, increasing the pressure sufficiently to force said liquid into the pores and tracheids of the wood.

1,556,571. ANNULAR KILN FOR DRYING AS WELL AS FOR CARBONIZING SOLID CARBONACEOUS OR THE LIKE MATERIALS. OTTO DOBBELSTEIN, Essen, and HERMANN HESS, Duisburg, Germany. Filed Jan. 24, 1925. Serial No. 4,512. 5 Claims. (Cl. 202—4.)



1. An annular kiln for drying as well as for carbonizing solid carbonaceous or the like materials, comprising, in combination: a rotary series of concentric ring pockets having ring spaces with open lower ends between the single ring pockets, a stationary annular heating channel below said ring pocket system, a stationary annular gas collector above said ring pocket system having vapor offtake pipes, a stationary feeding hopper extending from above through said collector down to the top of the ring pocket system, and stationary means for excavating the materials from said pockets after their finished treatment; said heating channel having an admission opening located underneath the excavation place of the materials and an outlet opening located underneath said feeding hopper.

1,556,572. PROCESS OF PREPARING FRUIT JUICE. WINFIELD SCOTT PIERCE, Oakland, Calif. Filed July 24, 1924. Serial No. 728,036. 8 Claims. (Cl. 99—5.)

3. The process of preparing fruit juice comprising evaporating fruit juice and fruit pulp together in vacuo to a syrupy consistency, impregnating sugar with the essential oil of the fruit, incorporating the oil-impregnated sugar with such partially evaporated juice and pulp, partially dehydrating the whole together in vacuo, breaking the vacuum, stirring the whole, and then continuing the dehydration of the same in vacuo to a practically dry state, thus preventing the caking of the mass and preserving in the same the natural flavoring and coloring principles of the juice and oil, and rendering the whole readily soluble in cold water.

Patents Nos. 1,556,573 to 1,557,541.

# THE OFFICIAL GAZETTE

OF THE

# United States Patent Office.

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| Trade-Marks | 229—No. | 204,167 to No. | 204,395, inclusive. |
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| Labels | 29—No. | 29,307 to No. | 29,335, inclusive. |
| Prints | 20—No. | 6,257 to No. | 6,276, inclusive. |
| Reissues | 3—No. | 16,184 to No. | 16,186, inclusive. |
| Designs | 38—No. | 68,413 to No. | 68,508, inclusive. |
| Patents | 900—No. | 1,556,573 to No. | 1,557,541, inclusive. |
| Total | 1404 | | |

## Attorneys—Disbarment.

(Order No. 2,926.)

U. S. Patent Office, *Washington, Aug. 31, 1925.*

Acting under the provisions of section 487 of the Revised Statutes of the United States as amended February 18, 1922, Carl Landeskroener, of 29 Waisenhausstrasse, Dresden-A, Germany, whose registration number is 10,559, has this day been disbarred from practice before the United States Patent Office.

KARL FENNING, *Acting Commissioner.*

## Amendment to Trade-Mark Rules.

(Order No. 2,930.)

U. S. Patent Office, *Washington, Oct. 5, 1925.*

Acting under the provisions of section 26 of the act approved February 20, 1905, rule 61 of the rules of the Patent Office governing the registration of trade-marks is amended by adding:

Cases which have been heard and decided by the Commissioner on appeal will not be reopened except by his order.

KARL FENNING, *Assistant Commissioner.*

## Interference Notices.

U. S. Patent Office, *Washington, Sept. 29, 1925.*

*Polydyne Corporation, its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of the Polymet Manufacturing Corporation, 599 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered October 14, 1924, No. 190,597, to the Polydyne Corporation, 248 West Fourteenth Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Polydyne Corporation at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Polydyne Corporation, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. Patent Office, *Washington, Sept. 11, 1925.*

*Importers Coffee Co., Ltd., its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Frank C. Weber & Company, of West 63d Street and Lowe Avenue, Chicago, Ill., for registration of a trade-mark and trade-mark registered August 4, 1908, No. 70,162, to Importers Coffee Co., Ltd., Tchoupitalis Street, New Orleans, La., and a notice of such declaration sent by registered mail to said Importers Coffee Co., Ltd., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Importers Coffee Co., Ltd., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. Patent Office, *Washington, Sept. 16, 1925.*

*C. T. Keally Co., their assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Palo Alto Orchards Company, of South Easton, Mass., for registration of a trade-mark and trade-mark registered May 23, 1911, No. 82,000, to C. T. Keally Co., Pennsylvania Lines Product Building, Twenty-first Street, Pittsburgh, Pa., and the Office having been unable to obtain proper service upon said C. T. Keally Co., notice is hereby given that unless said C. T. Keally Co., their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

## Disclaimer.

1,543,843.—*Peter Sivertsen*, New York, N. Y. Slicing Machines. Patent dated June 23, 1925. Disclaimer filed October 7, 1925, by the assignee, *Globe Slicing Machine Co., Inc.*

Hereby enters this disclaimer as to claims 12 and 29 of said patent.

## Condition of Applications Under Examination at Close of Business October 2, 1925.

| Room No. | Divisions, Examiners, and Subjects of Inventions. (Total number of applications awaiting action, excluding Trade-Mark Division, 41,450; Trade-Mark Division, 2,143. Oldest new case, Apr. 3, 1925; oldest amended, Apr. 8, 1925. The dates given are 1925.) | Oldest new application and oldest action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
|---|---|---|---|---|
| 113 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows, Planting; Scattering Unloaders. | July 6 | July 8 | 538 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | June 4 | May 1 | 491 |
| 331 | 3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | Aug. 3 | Aug. 6 | 474 |
| 284 | 4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists. | July 6 | July 2 | 572 |
| 108* | 5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | Apr. 23 | Apr. 25 | 918 |
| 318 | 6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | June 20 | June 4 | 811 |
| 108 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | June 16 | June 17 | 827 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture | June 30 | June 27 | 1,222 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | May 20 | May 11 | 652 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | June 8 | June 8 | 953 |
| 149* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | June 23 | June 23 | 794 |
| 280 | 12. PIERCE, P. P., Machine Elements | June 6 | June 9 | 725 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | May 12 | May 26 | 700 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | May 20 | July 7 | 786 |
| 320 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | June 9 | June 16 | 796 |
| 242* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | May 25 | June 6 | 762 |
| 207 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | June 29 | July 16 | 338 |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | May 8 | May 6 | 788 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces | May 28 | Aug. 3 | 543 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking. | June 17 | June 19 | 718 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | May 14 | May 29 | 498 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | July 13 | July 27 | 359 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | May 7 | May 5 | 364 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | July 5 | July 3 | 342 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | July 11 | June 29 | 705 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | Apr. 8 | Apr. 15 | 782 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | July 16 | July 16 | 567 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Aug. 3 | Aug. 12 | 665 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | Apr. 2 | Apr. 8 | 1,156 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | June 13 | June 12 | 886 |
| 312 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | July 27 | July 24 | 669 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | June 3 | June 4 | 626 |
| 152 | 33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Aug. 3 | Aug. 1 | 651 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles, Store Service; Track Sanders; Vehicle Fenders. | May 27 | May 28 | 899 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet | July 1 | June 27 | 630 |
| 105 | 36. MORTON, O. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | June 3 | June 10 | 1,137 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | May 5 | May 11 | 1,001 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells | Apr. 29 | Apr. 29 | 871 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | June 15 | July 6 | 395 |
| 269 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | June 3 | June 12 | 1,315 |
| 125 | 41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | June 27 | June 17 | 482 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling | Apr. 15 | Apr. 22 | 1,169 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | June 2 | June 23 | 761 |
| 268 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration | May 2 | May 4 | 824 |
| 379 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | June 1 | June 17 | 712 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | June 8 | June 5 | 657 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | May 16 | May 21 | 1,206 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications | Apr. 18 | Apr. 18 | 1,562 |
| 220 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification. | June 3 | June 3 | 791 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | May 18 | May 18 | 1,100 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | May 13 | May 15 | 1,815 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | July 14 | July 15 | 561 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens. | July 6 | July 6 | 770 |
| 102 | Division C. O. MARKHAM (Acting) | Sept. 16 | Sept. 16 | 296 |
| 163 | Trade-Marks, Labels, and Prints: T. L. MEAD, Jr. (Trade-Marks | Aug. 17 | Sept. 19 | 1,943 |
| | (Labels and Prints | Aug. 27 | Sept. 16 | 300 |

* Refers to room numbers in the annex



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Commissioner's Decisions.

### Ex parte Sutphen.

*Decided March 20, 1924.*

1. Designs—Drawing.

The drawing in design cases should illustrate the design as it will appear to purchasers.

2. Same—Description.

While in some instances a description of the design is permissible, and even desirable, that description must be of the appearance of the design and not of the manner in which the article is formed.

Application for Design Patent.

On petition.

DESIGN FOR SEAMLESS HOSE.

*Mr. John W. Steward* for the applicant.

Robertson, *Commissioner:*

This is a petition that the applicant be definitely and finally informed if the present showing of the design is acceptable, and, if not, what showing will be required; that the Examiner be directed to confine himself to the exact issue, and that he be directed to withdraw the final rejection.

With reference to the complaint in the first part of the petition, the Examiner's answer was prepared on December 13, 1923, but, through some clerical mistake, a copy thereof was not sent to the attorney, and this fact was not discovered until some time later.

[1] It is well settled that a drawing should illustrate the design as it will appear to purchasers (*Ex parte Kohler*, 116 O. G. 1185; 1905 C. D. 192). This is necessary not only in order to determine whether the design is patentable, but for the reason that in determining the question of infringement the design of the patent and the alleged imitation must be judged by the impression made upon the eye. *Hutter* v. *Broome*, 114 Fed. Rep. 655, and *Bevin Bros. Mfg. Co.* v. *Starr Bros. Bell Co.*, 114 Fed. Rep. 302.

[2] While in some instances a description of the design is permissible, and even desirable, that description must be of the appearance of the design and not of the manner in which the article is formed. The statement in the present application that a portion of the stocking is made by the use of tuck stitches is not a proper description of the design itself.

Obviously the drawing does not show the design which it is alleged constitutes applicant's invention, and this is admitted by the applicant. Viewing the drawing at an acute angle, the striations referred to may possibly be discerned, but they certainly can not be when the drawing is observed in the usual manner. Just how the drawing is to be made to bring out this appearance is a question for applicant to determine, or, if he wishes that a drawing be made by the Office from the stocking submitted as an exhibit, the draftsman can undertake the work and submit it to the applicant for approval.

It does not appear that the Examiner has raised any false issue or has attempted to ignore the point involved. He suggests, however, that the final rejection might be withdrawn "for the purpose of forming, if possible, a well defined issue," and he is authorized to take such action.

Except as just above indicated, the petition is denied.

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### Ex parte Wadsworth.

*Decided February 19, 1924.*

1. Abandonment of Application—Petitions to Revive—Oral Hearings.

It is not the custom to grant oral hearings on petitions to revive applications.

2. Same—Delay Not Unavoidable.

Where the former attorney notified the assignee that it was his understanding that no further work was to be put on the W. application and he notified the assignee that this application would become abandoned in the event of no action being taken, where the attorney was not responsible for the lack of a conference proposed by the assignee relative to the prosecution of the case, and where the assignee was apparently more interested in disposing of the application to other parties than in prosecuting it in the Patent Office, prosecution was not unavoidable.

Application for patent.

On petition.

GLASS WORKING.

*Messrs. Green and McCallister* for the applicant.

Kinnan, *First Assistant Commissioner:*

Petition is taken for a rehearing in re revival of the above-identified application.

[1] An oral hearing is requested with an offer to produce at such hearing all correspondence relating to said application passing between the assignee and the attorney. It is not the custom to grant oral hearings on petitions to revive applications. This is for the reason that the showing relied upon to establish unavoidable delay must be made of record. This part of the petition is denied.

The petition is accompanied by affidavits from the applicant and from the president of the company to which this application is assigned. These affidavits recite that the former attorney was paid from time to time for the prosecution of this and other applications, including payment of services rendered as late as June, 1923; that by reason of this fact and the further fact that some of the other applications were maturing from time to time into patents both affiant and applicant believed the prosecution of the instant application

was being carried on, and that it was not discovered until June, 1923; that this application had long since become abandoned. Copy of a letter dated May 14, 1919, from the former attorney to the assignee company is submitted with the affidavits which seems to show that at that date the former attorney had the understanding that the applicant and the assignee company wished the instant case to be prosecuted. The affidavits recite that at no time did the former attorney inform the affiants of the abandonment of the instant application or give them any information concerning its status.

On the receipt of this petition and affidavits the former attorney was asked for an explanation of the matters set up in the affidavit. He has replied by a letter giving extracts from correspondence passing between him and the affiants during the year 1919 and also copy of a letter he wrote the president of the assignee company on August 1, 1923. In this last letter he called attention to a letter of January 8, 1919, written by the president of said assignee company in which the following is alleged to appear:

> We have no expectation of using the principles involved in the Wadsworth application in our manufacture; and unless there is some opportunity to realize something thru the development of others on account of the Wadsworth priority, it is not advisable for us to make any further expenditures in connection with the applications; and unless you can see where we have a priority interest that may be valuable in dominating the principles involved, we will let the matter drop.

In his letter answering the request of the Office for an explanation the former attorney quotes from correspondence following his letter of May 14, 1919.

In a letter from the assignee company to said attorney said to be dated May 20, 1919, the following is said to be found:

> Replying to your favor of the 14th inst., we have not been able to develop anything of practical value along the lines suggested in the Wadsworth applications; and as far as we are able to see there is nothing of patentable value to us that could be worked out.
> The writer will be pleased to go over the different applications with you at some convenient time and possibly you can show where we might gain some advantage by adding to the expense of following up the applications, but we think it best to let the matter rest and not incur any further expense until we can have such conference.

A letter from the former attorney to the assignee company said to be dated May 22, 1919, is alleged to contain the following:

> In reply to your letter of May 20th.
> I note what you say about the various Wadsworth applications and will take no further action in any of the cases without submitting each matter to you in advance.

Letters are referred to from the former attorney to the applicant dated May 20, 1919, and from the assignee company to the attorney dated November 1, 1919, and from the attorney to the assignee company dated November 3, 1919, which discuss the disposal of the Wadsworth interests held by the assignee company.

A further letter from the attorney to the assignee company dated September 23, 1919, is quoted from as follows:

> I have just returned to my office after an extended absence and in order that we may have a definite record in the matter, it is my understanding that so far as the Wadsworth applications which you purchased some time ago are concerned, no further work is to be put on them.
> Is the above the correct understanding or does this instruction relate only to the Wadsworth applications which are involved in interference? * * *
> If my understanding is correct that no further work is to be done upon any of the Wadsworth applications referred to, it, of course, goes without saying that the various applications will become abandoned.

A further letter from the assignee company to the former attorney dated September 24, 1919, is quoted from as follows:

> Replying to your favor of the 25th inst., writer expects to be in Indianapolis in the course of a few days and will call on you and talk over the Wadsworth patent situation.

The attorney states he wrote further to the assignee company on October 31, 1919, and a letter from the assignee company dated November 1, 1919, is quoted from as follows:

> Writer had intended to call on you before this but has not found the opportunity.

The former attorney states in his letter of explanation that it was not his custom in handling applications for this applicant or for this assignee company to currently advise them of the proceedings in the many cases he was handling for them, as it was his understanding that the matter of prosecution was left entirely to him. He states further that from the latter part of 1919 until the middle of 1923 no representative of the assignee company came to his office for conference relative to any Wadsworth cases, nor does he recollect during that period that any of these cases were mentioned to him by the president of the assignee company.

The showing thus made by the former attorney as to his responsibility for the prosecution of the instant case is considered sufficient to establish that he did notify the assignee company after May 14, 1919, that his understanding relative to the prosecution of the instant case had changed. The explanation appears to show that he notified the assignee company that this application would become abandoned in event of no action being taken, and it further appears to show that he was not responsible for the lack of the conference with the assignee company relative to the prosecution of this case.

The explanation further seems to show, in view of the correspondence quoted from by the former attorney, that the assignee company was more interested in the disposal of these applications to other parties than in prosecuting the same in the Patent Office.

[2] In view of the above it can not be held a showing has been made that the delay in prosecution was unavoidable, and the petition for rehearing is accordingly denied.

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EX PARTE STATHAM.

*Decided May 1, 1924.*

CLAIMS—NEW MATTER.

Where the applicant described the mixing of a large portion of quicklime with waste liquor from soda-pulp manufacture, thus causticising and converting it and, together with an external source, supplying heat to distill volatile constituents, *Held* that this did not warrant a claim specifying that at least a major portion of the heat required for distillation was supplied autogenously from the reaction of the mixture.

[Note.—This application has resulted in Patent No. 1,539,966, June 2, 1925.]

Application for patent.

APPEAL from the Examiners in Chief.

DISTILLATION APPARATUS AND PROCESSES FOR PRODUCING ACETONE.

Application filed January 28, 1919, Serial No. 520,402.

*Mr. Harry L. Duncan* for Statham.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiners in Chief affirming that of the Primary Examiner denying patentability to claims 18, 20, and 21. Claim 18 will serve for illustrative purposes:—

> 18. The process for decomposing waste liquors from soda pulp manufacture in order to obtain valuable products including methyl alcohol and acetone, which consists in first concentrating such liquors, intimately mixing the same with sufficient quicklime to heat up the mass to a temperature at which methyl alcohol and other valuable constituents will be formed by destructive decomposition, then distilling off the methyl alcohol and other valuable constituents so formed while supplying at least the major portion of the heat required for such distillation autogenously from the reaction of said mixture, and collecting the volatile constituents so distilled.

The claims here on appeal relate to a process of obtaining methyl alcohol, acetone, and other valuable organic products occurring in the waste liquors from the soda pulp of paper manufacture by mixing quicklime with the concentrated solution of the waste liquor, so as to raise the temperature of the liquor high enough to distill off the volatile carbon compounds, which are thereafter collected.

The question here to be decided is whether the original disclosure as to the proportional quantity of quicklime to be added to the concentrated liquor supports or forms a basis for the specific limitation in claims 18 and 21, of—

> supplying at least the major portion of the heat required for such distillation autogenously from the reaction of the said mixture.

and the limitation in claim 20 of—

> mixing therewith sufficient quicklime to autogenously heat up the mass by the utilization of the aforesaid autogenous heat of the mass to a high temperature.

The Examiner held appellant failed to state anywhere in his original specification that he added sufficient lime to autogenously create the major portion of the heat required, that he supplied some heat from external sources and obtained some from the quicklime added, but nowhere stated he obtained the major portion of the heat from the action of the quicklime. The Examiners in Chief held that they also failed to find, after a careful review of the entire original specification, any reference to the specific proportion of the quicklime to be added as recited in the appealed claims. The Examiners in Chief explained why they were unable to read the terms "a large proportion," found in lines 15 and 16 of page 1, as meaning an amount necessary to supply the major portion of the heat. With their conclusions as to the meaning of these terms I fully concur. It is believed to be clear enough a large proportion might be such an amount of lime as would fall far short of producing a major portion of the necessary heat.

Appellant invites attention to the text beginning with line 6, page 8, in which the statement occurs that—

> some 900 to 1200 or 1400 pounds of lime per ton of liquor may be used,

and to the last seven lines on page 5 wherein it is stated—

> a large proportion of caustic lime may be incorporated with the concentrated waste liquor to causticize and convert it.

Appellant in his brief after describing the passage of the vapors from the causticized mixture 15 states these appealed claims are broad enough to relate to the preliminary distillation which occurs in the mixer 15. It must be held after an exhaustive review, and admitting all that appellant quotes to be true and giving the terms their full and fair interpretation, the specification does not support appellant's contention. It may well be, in practicing the process described, the proportionate amount of quicklime recited in these claims 18 and 21 is used; but appellant did not say so in his original specification. He can not, in consequence, include the specific matter in his claims.

Regarding claim 20, it is believed to be fully supported by the original disclosure. There is nothing in the terms of the claim to exclude preliminary heating of the mass before the addition of the quicklime and, whatever the temperature of the mixture when the quicklime is added, the result of the addition must be "to autogenously heat up the mass * * * to a high temperature", that is, to such high temperature described in the specification as necessary for the purpose had in view. I am, however, satisfied the conclusion of the Examiners in Chief that if the claim be construed as supported by appellant's original disclosure, it is unpatentable over the Drewsen reference [1,298,479], is sound. It is not material that the Drewsen patent is owned by the same assignee. His patent shows he was in possession of the invention when he filed his application, and on such date that invention was known to others. *Ex parte Hammond and Hammond*, 301 O. G. 1051; 1922 C. D. 15. It is noted, further, claim 9 of this patent recites substantially the same process.

The decision of the Examiners in Chief is affirmed.

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EX PARTE HAMMOND, JR.

*Decided March 18, 1924.*

INVENTION—SUBSTITUTION OF EQUIVALENTS.

Where V. disclosed the advantage of associating two circuits in a receiving system, in which oscillations of such frequencies are set up as will produce beats, with a single tuned rectifying circuit inductively coupled to an indicator circuit, and applicant, instead of generating one of these frequencies at the receiving station, substitutes F.'s idea of radiating from the sending station both frequencies so related as to produce beats, each frequency affecting its respective tuned antenna circuit and setting up beats in a common circuit which affect a detector of the coherer

type, *Held* that applicant has done nothing more than pick out the good features of V.'s patent and the good features of F.'s patent and utilize them to accomplish the aggregate benefits existing in these old systems, without producing any new result dependent upon the combination or association of the circuits in a single receiving system.

[NOTE.—This application has resulted in Patent No. 1,522,882, January 13, 1925.]

Application for patent.

APPEAL from Examiners in Chief.

METHOD OF SELECTIVE ENERGY TRANSMISSION.

Application filed November 23, 1921, No. 517,378; renewal of application filed March 16, 1912.

*Mr. Ira J. Adams* for the applicant.

FENNING, *Assistant Commissioner:*

The applicant has appealed from the decision of the Examiners in Chief affirming that of the Primary Examiner denying patentability to claims 21, 23, 24, 27, and 32. Claim 21 will serve for illustrative purposes:

21. A method of signaling which consists in transmitting energy in such a form as to include a plurality of series of periodic impulses having different frequencies respectively, selectively receiving the energy of said plurality of series of impulses, and rectifying and combining said received energy to produce oscillations having a frequency equal to the difference between said frequencies.

The references relied upon are: Fessenden, No. 706,740, August 12, 1902; Fessenden, No. 1,002,049, August 29, 1911; Vreeland, No. 1,239,852, September 11, 1917.

The appealed claims are directed to a method of signaling either by electroradiant or by wire-guided energy. As illustrated the method involves the employment of a receiving system for radiant energy. In such system two local circuits, each adjusted so as to be resonant to a different frequency, are associated with the same antenna or each with its individual tuned antenna circuit. Where separate antenna circuits are employed, each is resonant to the same frequency as its associated local circuit. These local circuits are coupled to a closed rectifying circuit, which is in turn coupled to an indicating circuit. In operation the plurality of periodic impulses radiated from the sending station and having different frequencies respectively selectively affect the two antenna circuits, Figure 1, or the single antenna circuit, Fig. 2, and set up oscillations in the two locally-tuned circuits 7 and 10 corresponding to the different frequencies of the transmitted periodic impulses. These oscillations in the two local circuits 7 and 10 are sufficiently near in frequencies to produce oscillations having the beat frequency of the difference in periodicity. These beats in the local rectifying circuit inductively affect the indicator circuit.

The prior art discloses in the patent to Fessenden, No. 706,740, a system of signaling by electroradiant energy in which a series of periodic impulses having different frequencies respectively are transmitted from the sending station and each frequency affects its respective tuned antenna circuit, with the result that in the common circuit there are set up beats corresponding to the difference in frequency of the periodic impulses received, and these beats are arranged to affect a detector of the coherer type commonly employed at the date of the invention set forth in this patent. Applicant departs from this construction of Fessenden only in the arrangement by which he utilizes the beat frequency produced in the manner Fessenden discloses. Applicant substitutes an inductively-coupled local circuit with the two oscillating circuits respectively tuned to the sets of periodic impulses, and in this local beat circuit he employs a rectifying detector and an inductively-coupled indicator. Fessenden discloses in his Patent No. 1,002,049, Fig. 2, an arrangement which is one step nearer applicant's receiving apparatus. There has been considerable discussion as to whether or not Fessenden contemplated setting up oscillations of a beat frequency in the circuit 16 17 corresponding to the difference in the periodic frequencies received upon the antennæ 6 and 7. It is believed that the determination of this point is immaterial to the decision upon the matter here in issue. The specification states that "the wave responsive device is affected by waves of either of the periodicities to which the receiving conductors 6 and 7 are tuned, or to *both periodicities conjointly*" (underscoring mine), coupled with the further statement that "the wave responsive device may be adjusted by varying its sensibility so as to respond only when the effect of both the aerials is added and not to the effect produced by a single one, in which case the wave responsive device will only be operated by the *conjoint action* of the two sets of waves" (underscoring mine). From this it is clear that Fessenden contemplated sending out from the transmitting station periodic impulses having different frequencies respectively, just as he described in his earlier patent, and that he contemplated receiving their energy simultaneously upon his tuned antennæ 6 and 7 and setting up in the circuit 16 17 their combined effects and then utilizing such effects to actuate the coherer and produce an indication. This much does not seem open to controversy. Whether or not the two frequencies bear the close relation to each other necessary to produce beats is unimportant, since Fessenden in his earlier patent had clearly disclosed the possibility and desirability of receiving the energy of two periodic frequencies so related as to produce beats in the receiving system. It is not believed there is any point of merit in adopting such frequencies, even if Fessenden did not employ them in the system disclosed in Fig. 2 of his later patent. It is reasonable to suppose, notwithstanding applicant's contention to the contrary, that Fessenden actually employed frequencies bearing the relation necessary to produce beats in the local circuit of Fig. 2 of his later patent; but whether or not this inference is correct it is believed clear enough such frequencies could obviously be employed in view of the disclosure of Fessenden's earlier patent.



Vreeland discloses the advantage of associating two circuits, in which oscillations of such frequencies are set up as will produce beats, with a single tuned rectifying circuit inductively coupled to an indicator circuit. The advantages of such an association of circuits in a receiving system is fully disclosed by Vreeland's patent. Applicant substitutes for Vreeland's local source of oscillations, Fig. 9, the Fessenden idea of radiating from the sending station both frequencies so related as to produce the beats, instead of generating one of these frequencies at the receiving station.

With this condition of the prior art it is believed applicant has done nothing more than pick out the good features of Vreeland's patent and the good features of Fessenden's patent and utilize them to accomplish the aggregate benefits existing in these old systems, without producing any new result dependant upon the combination or association of the circuits in a single receiving system. The additional circuits necessary for carrying out all the steps recited in claim 24 include merely what anyone skilled in this art, or, indeed, in the broad art of transmitting oscillatory energy from one circuit to another, would readily adopt. Transforming oscillatory current energy from one circuit to another may go on almost indefinitely without involving inventive concept unless some new function or result is obtained. Tuning of circuits is merely what has been done from the very inception of the art of transmitting and receiving electroradiant energy.

On this appeal applicant files an affidavit of Weagant setting out his interpretation of Fessenden, No. 1,002,049; but a reading of the affidavit does not lead me to allow the claims.

It is believed the conclusions of the Examiner and of the Examiners in Chief that the appealed claims are wanting in merit are sound, and the decision of the Examiners in Chief is affirmed.

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BUCHLI *v.* RASMUSSEN.

*Decided March 17, 1925.*

INTERFERENCE—RIGHT TO MAKE CLAIM—ADMISSION.

Where B. moved to dissolve for the reason that the count did not read on R.'s disclosure and R.'s attorneys concurred, R.'s admission was treated as an abandonment of the invention in issue, the interference was dissolved, and the Primary Examiner was instructed to reject the claim to R.

MOTION to dissolve.

*Messrs. Pennie, Davis, Marvin & Edmonds* for Buchli.

*Messrs. Popp & Powers* for Rasmussen.

FENNING, *Assistant Commissioner:*

Buchli, by his attorneys, has filed a motion to dissolve on the ground that Rasmussen has no right to make the claim constituting the issue, for the reason that the count does not read on Rasmussen's disclosure.

The attorneys acting for Rasmussen now file a letter stating that they had been planning to file a motion to dissolve on the same ground that is set forth by the attorneys for Buchli. They also state there is not clear and certain disclosure of the specific construction to which the count is limited, and they therefore consider that Buchli's motion should be granted.

The motion will not be set down for argument, and Rasmussen's admission will be treated as an abandonment of the invention of the count.

The interference is dissolved and the Primary Examiner instructed to reject the claim to Rasmussen on the estoppel contained in Rasmussen's letter taken in connection with Buchli's motion paper.

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## PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

795,541, J. C. Perry, Apparatus for electric welding; 813,823, same, Machine for making wire goods; 837,249, same, Apparatus for making welds, order affirming decree of lower court (notice dated July 29, 1925), C. C. A. (3d Cir.), Doc. 3224, *Wickwire Spencer Steel Corp. v. Pittsburgh Steel Co.*

813,823. (See 795,541.)

831,501, H. M. Dickinson, Candy-pulling machine; 857,770, C. Thibodeau, same, appeal filed Jan. 23, 1925, C. C. A. (3d Cir.), Doc. 3299, *L. Schute v. A. Hildreth.*

837,249. (See 795,541.)

857,770. (See 831,501.)

866,561, F. M. Becket, Process of producing alloys; 866,562, same, Process of producing ferrovanadium; 891,898, same, Process of making low-carbon metals or alloys, appeal filed Jan. 8, 1925, C. C. A. (3d Cir.), Doc. 3296, *Standard Chemical Co. v. Electro Metallurgical Co.* Order dismissing appeal (notice dated July 29, 1925).

866,562. (See 866,561.)

888,195. (See 1,054,219).

891,898. (See 866,561.)

943,280, E. A. C. Smith, Bessemerizing of copper matte, order affirming decree of lower court (notice dated July 29, 1925), C. C. A. (3d Cir.), Doc. 3194, *United Verde Copper Co. v. Pierce-Smith Converter Co.*

946,442, E. R. Johnson, Cabinet for talking machine; 1,402,738, J. B. Browning, Talking-machine cabinet and amplifier, order affirming decree of lower court (notice dated July 29, 1925), C. C. A. (3d Cir.), Doc. 3178, *Victor Talking Machine Co. v. Brunswick Balke-Collender Co. et al.*

958,478, W. E. Davey, Process of reenforcing trees, consent decrees for final injunction July 22, 1925, D. C. N. H., Doc. E 138, *The Davey Tree Expert Co. v. R. S. Green.* Same, decree entered July 30, 1925, D. C. N. H., Doc. E 139, *The Davey Tree Expert Co. v. G. L. Harkins.*

1,054,219, J. H. Lehman, Electrical-circuit controller, and 888,195, W. W. Robinson, Timer, (inserted by counterclaim July 24, 1923), decision July 2, 1925, holding Robinson patent valid and in-

fringed and that complaint be dismissed, D. C., E. D. Wis., Doc. 1341 C D, *Ecco Mfg. Co.* v. *Nelson Timer Co.*

1,139,685. (See 1,284,523.)

1,140,650, L. V. Aronson, Toy talking mechanism; 1,507,826, L. J. Grubman, Sound-producing device for dolls, etc., suit filed July 16, 1925, D. C., S. D. N. Y., Doc. E 32/358, *Voices, Inc.*, v. *Uneeda Doll Co. et al.*

1,147,441, H. P. Roberts, Machine for shaving graphophone blanks, suit filed July 23, 1925, D. C., S. D. N. Y., Doc. E 32/383, *H. P. Roberts* v. *T. A. Edison, Inc.*

1,148,328, Kohman, Hoffman & Godfrey, Manufacture of bread; 1,151,526, same, Yeast-saving composition in bread making, interlocutory decree July 23, 1925, holding infringement of all claims, injunction granted, D. C., N. D. Ohio (E. Div.), Doc. 1011, *Ward Baking Co. et al.* v. *The Boyer Co. et al.*

1,148,483, R. W. Andrews, Method of feeding water to boilers, suit filed July 22, 1925, D. C., W. D. Mich. (S. Div.), Doc. 2037, *Northern Equipment Co.* v. *Kalamazoo Vegetable Parchment Co.*

1,151,526. (See 1,148,328.)

1,164,680. (See 1,309,433.)

1,234,065, C. E. Miller, Process of making rubber tires, suit filed June 18, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1473, *Seiberling Rubber Co.* v. *The Kuhlke Machine Co.*

1,244,747, C. F. Larsen, Gas lighter, suit filed July 27, 1925, D. C., S. D. N. Y., Doc. E 33/3, *S. A. L. Corp.* v. *Art Metal Works.*

1,284,523, Williams & Williams, Accelerator attachment; 1,139,685, F. E. Judd, Controlling mechanism for throttle valves, appeal filed July 16, 1925, C. C. A. (2d Cir.), Doc. 8837, *Williams Bros. Aircraft Corp.* v. *Gould Mersereau Co.*

1,296,103, K. O. Muehlberg, Tube coupling, suit filed July 21, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1600, *K. A. Muehlberg* v. *International Hose Co., Inc.*

1,307,733. A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suits filed July 20, 1925, D. C., N. D. Calif., Doc. E 1513, *The Bassick Mfg. Co.* v. *Chanslor & Lyon Co.*, and Doc. E 1514, *The Bassick Mfg. Co.* v. *Farnsworth & Callahan.*

1,307,784. (See 1,307,733.)

1,309,433, M. H. Detrick, Furnace arch; 1,164,680, H. Tanner, Fire brick, dismissed without prejudice on motion of complainant July 6, 1925, D. C. Oreg. Doc. E 8722, *M. H. Detrick Co.* v. *S. G. Gordon et al.*

1,325,894, C. F. Larsen, Cigar lighter, suit filed July 16, 1925, D. C., S. D. N. Y., Doc. E 32/357, *Bisson & Millard* v. *Zahn & Zahn (Rapid Mfg. Co.).*

1,334,802, J. Schneider, Insulator lamp, suit filed July 16, 1925, D. C., S. D. N. Y., Doc. E 23/359, *Menco Engineering & Mfg. Co.* v. *The High Tension Co., Inc.*

1,366,042, J. H. Wagenhorst, Wheel and rim; 1,383,679, same, Demountable rim for automobile wheel; 1,509,382, same, Auto wheel rim, suit filed July 22, 1925, D. C., E. D. Mich. (S. Div.), Doc. 1111, *J. H. Wagenhorst et al.* v. *Kelsey Wheel Co., Inc.*

1,383,679. (See 1,366,042.)

1,391,936, S. Bosky, Brassiere, Consent decree sustaining patent and granting injunction (notice dated July 24, 1925), D. C., S. D. N. Y., Doc. E 30/359, *S. Bosky* v. *J. Richter (Jenida Shop).*

1,402,738. (See 946,442.)

1,404,539, C. K. Nelson, Confection, suit filed June 10, 1925, D. C. Del., Doc. E 574, *Eskimo Pie Corp.* v. *National Ice Cream Co.*

1,447,090, J. E. Langsdorf, Necktie, interlocutory decree July 24, 1925, holding patent valid and infringed as to claims 1 to 4 incl., invalid as to claim 5, injunction, D. C., N. D. Ohio, (E. Div.), Doc. 1166, *Franc-Strohmenger & Cowan, Inc.*, v. *B. Forcheimer & Co.*

1,449,468, H. B. Walter, Box, consent decree for plaintiff July 15, 1925, D. C., E. D. Wis., Doc. 1420 C D, *Chicago Mill & Lumber Co.* v. *Kieckhefer Container Co.*

1,492,202, J. I. Carroll, Baby walker, decrees dismissing bills, patent not infringed as to claims 1 and 2 thereof (notice dated July 17, 1925), D. C., S. D. Ohio, (W. Div.), Doc. E 384, *The F. F. Taylor Co.* v. *J. C. Adrian (The Adrian Baby Carriage Co.)*, and Doc. E 387, *The F. F. Taylor Co.* v. *The Wonder Mfg. Co.*

1,505,894, Kornfeld & Englander, Shade or globe supporting means, interlocutory decree July 15, 1925, holding patent valid and infringed as to claims 1, 2, 3, and 5, injunction, D. C., N. D. Ohio (E. Div.), Doc. 1347, *W. L. Kornfeld et al.* v. *The Frankelite Co.*

1,507,826. (See 1,140,650.)

1,509,382. (See 1,366,042.)

1,522,902, F. S. Oppenheim, Container, suit filed July 21, 1925, D. C., S. D. N. Y., Doc. E 32/381, *F. S. Oppenheim et al.* v. *Stanwood Electric Specialty Co., Inc.*

Re. 16,103, J. L. Sullivan, Wire-fastening device, suit filed July 14, 1925, D. C., N. D. Calif., Doc. E 1501, *Hommel Mfg. Co. et al.* v. *East Side Mfg. Co. et al.*

Des. 57,423, P. I. Ansorge, Lighting-fixture part, final consent decree sustaining patent and granting injunction (notice dated July 24, 1925), D. C., S. D. N. Y., Doc. E 31/314, *Empire Lighting Fixture Co., Inc.*, v. *M. Levine et al.*

Des. 66,700, J. Novin, Lighting fixture; Des. 67,298, same, Chandelier, suit filed July 24, 1925, D. C., S. D. N. Y., Doc. E 32/394, *Novin & Ribak (The Centre Lighting Fixture Mfg. Co.* v. *Royal Metal Lighting Fixture Co., Inc.)*

Des. 67,298. (See Des. 66,700.)

# TRADE-MARKS

## OFFICIAL GAZETTE, OCTOBER 13, 1925.

[VOL. 339. No. 2.]

**The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.**

**Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.**

**As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.**

Ser. No. 179,681. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y. Filed Apr. 25, 1923.

ARROW

*Particular description of goods.*—Unitary Automotive Vehicle Electric Systems for Generating and Distributing Electricity and Their Parts.
*Claims use* since about 1911.

Ser. No. 181,783. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SIMPLICITY ENGINE AND MANUFACTURING COMPANY, Port Washington, Wis. Filed June 9, 1923.

Simplicity

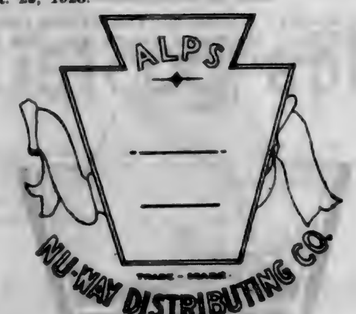
Trade-mark comprises the word "Simplicity."
*Particular description of goods.*—Boring and Grinding Machines, Boring Tools, Grinding Tools, and Parts Thereof.
*Claims use* since on or about May 11, 1922.

Ser. No. 183,365. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEONARD DAY, New York, N. Y., assignor to Chem-Electric Engineering Corporation, a Corporation of New York. Filed July 18, 1923.

STARKIST

*Particular description of goods.*—Citrous-Fruit-Juice Powder.
*Claims use* since latter part of May, 1923.

Ser. No. 188,390. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALBERT L. PIERCE, doing business as Nu-Way Distributing Co., Altoona, Pa. Filed Sept. 29, 1923.




No claim is made to the words "Nu-Way Distributing Company" and "Trade-Mark" apart from the mark shown in the drawing.
*Particular description of goods.*—Furniture and Automobile Polish.
*Claims use* since June 1, 1922.

Ser. No. 192,787. (CLASS 12. CONSTRUCTION MATERIALS.) THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed Feb. 25, 1924.

No claim is made to the words "High Grade Roofing" apart from the mark as shown in the drawing.
*Particular description of goods.*—Roofing Material—Namely, Ready Roofing, Roofing Felt, and Roofing Pitch.
*Claims use* since January, 1913.

Ser. No. 193,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM JOS. KORBONITS, doing business as Radio Medical Laboratories, Asbury Park, N. J. Filed Mar. 8, 1924.

*Particular description of goods.*—Medicine for the Treatment of Constipation, Headache, Torpid Liver, Intestinal and Gastric Indigestion, and Also Neuritis.
*Claims use* since Aug. 1, 1923.

Ser. No. 200,303. (CLASS 32. FURNITURE AND UPHOLSTERY.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed July 21, 1924.

No claim is made to the words "Better Home Bureau" apart from the mark shown.
*Particular description of goods.*—Household Furniture—e. g., Chest of Drawers, Utility Chests, Wooden Table Covers, Cedar Chests, Beds, Chairs, Bureaus, Chiffoniers, Tables, Washstands, Matting Boxes, Tea Wagons, Bookcases, Divans, Morris Chairs, Sofas, Wardrobes, Dressers, Davenports, Stools, Coat Trees, Chair Cushions, Buffets, Sofa Pillows, Draft Screens, China Closets, Rocking-Chairs, Filing Cabinets, Hatracks, Desks, Desk Chairs, Wooden Umbrella Stands, Parlor Tables, Pedestals, Kitchen Cabinets, Kitchen Tables, Mirrors, Sewing Cabinets, Reclining Chairs, Springs, and Mattresses.
*Claims use* since May 1, 1924.

Ser. No. 200,430. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) J. H. BUNNELL & COMPANY, INC., New York, N. Y. Filed July 24, 1924.

GOLD

*Particular description of goods.*—Telegraph Keys or Transmitters, and Particularly for the "Automatic-Dot" Constructions of the Same Known in the Art for the Past 10 Years or More by the Generic Name of "Bugs."
*Claims use* since Nov. 1, 1922.

Ser. No. 200,439. (CLASS 39. CLOTHING.) JACOB FORSTADT, doing business as Braeburn Knitting Mills, Philadelphia, Pa. Filed July 24, 1924.

Braeburn

*Particular description of goods.*—Knitted Sweaters, Golf Hose, and Bathing Suits.
*Claims use* since on or about Feb. 1, 1924.

Ser. No. 200,812. (CLASS 39. CLOTHING.) FIRESTONE-APSLEY RUBBER COMPANY, Hudson, Mass. Filed Aug. 1, 1924.

RUBBERIBBED

*Particular description of goods.*—Soles for Footwear of Leather, Fabric, Rubber, or Other Materials or Combinations Thereof.
*Claims use* since July 9, 1924.

Ser. No. 201,060. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE THOMSON WOOD FINISHING CO., Philadelphia, Pa. Filed Aug. 6, 1924.

No claim is made herein to the words "Made of the Best to Stand the Test" alone or apart from the mark as shown in the drawing. The picture of the painter is fanciful and is not a portrait.
*Particular description of goods.*—Dry, Paste, and Ready-Mixed Paints, Paint Enamels, Varnishes, and Stains, Flat Paints, Floor Paints, Paste Fillers, Liquid Fillers, Driers.
*Claims use* since May 1, 1924.

Ser. No. 201,062. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WAVERLY MUSICAL PRODUCTS CO., INC., New York, N. Y. Filed Aug. 6, 1924.

LA LATIUM

*Particular description of goods.*—Strings for Violins, Mandolins, Guitars, Banjos, Ukuleles, and Similar Musical Instruments.
*Claims use* since July 22, 1924.



Ser. No. 201,273. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPHINE A. WOOD, Los Angeles, Calif. Filed Aug. 11, 1924.

"Ok-Cal-Co."

*Particular description of goods.*—Liquid Tonic in the Treatment of Diseases from Malaria, Nasal Spraying Solution for the Treatment of Colds, Coughs, Croup, Catarrh, Bronchitis, Tonsillitis, Throat, Lung Trouble, Earache, and Headache.
*Claims use* since July 25, 1924.

Ser. No. 201,609. (CLASS 39. CLOTHING.) CRADDOCK TERRY COMPANY, Lynchburg, Va. Filed Aug. 19, 1924.

Exclusive use of the surname "Sloan's" and of the descriptive word "Tackless" is disclaimed.
*Particular description of goods.*—Women's Shoes of Leather or Combination of Leather and Fabric or Rubber.
*Claims use* since June 1, 1924.

Ser. No. 202,450. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) B. HELLER & COMPANY, Chicago, Ill. Filed Sept. 10, 1924.

Applicant disclaims all words appearing on drawing except the word "Royal."
*Particular description of goods.*—Cleaning and Polishing Compound in Powder Form for Cleaning and Polishing Marble, Porcelain, and Mosaic Ware and Materials.
*Claims use* since 1899.

Ser. No. 204,109. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VIOLET NATHAN, doing business as The Zee-Kol Manufacturing Company, London, England. Filed Oct. 18, 1924.

SHAVEX

*Particular description of goods.*—Shaving Cream Used for Shaving and Skin-Healing Purposes.
*Claims use* since Aug. 24, 1922.

Ser. No. 204,732. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) UNITED STATES TAXIMETER CORP., Newark, N. J., and New York, N. Y. Filed Nov. 1, 1924.

Ustcograph

Trade-mark consists of the word "Ustcograph."
*Particular description of goods.*—Fare Recorders, Fare Registers, and Mileage and Time-Record-Producing Instruments.
*Claims use* since Jan. 25, 1924.

Ser. No. 205,025. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NELSON CANNING COMPANY, Lovingston, Va. Filed Nov. 8, 1924.

CRIMSON QUEEN

*Particular description of goods.*—Canned Tomatoes.
*Claims use* since September, 1923.

Ser. No. 205,666. (CLASS 37. PAPER AND STATIONERY.) SWARTWOOD-NELSON PAPER CO., Minneapolis, Minn. Filed Nov. 21, 1924.

"Greeting Parchment"

No claim is made to the word "Parchment" apart from the mark shown.
*Particular description of goods.*—Writing Paper.
*Claims use* since May 1, 1924.

Ser. No. 205,838. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MIMOSA AKTIENGESELLSCHAFT, Dresden, Germany. Filed Nov. 25, 1924.

MIMOSA

*Particular description of goods.*—Light-Sensitised Photographic Papers.
*Claims use* since APR. 26, 1897.

Ser. No. 205,965. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION MACARONI CO., INC., Beaumont, Tex. Filed Nov. 28, 1924.

The portrait shown is fanciful and not of any living individual.

*Particular description of goods.*—Macaroni, Cut Macaroni, Spaghetti, Cut Spaghetti, Noodles, and Vermicelli.

*Claims use* since June 28, 1924.

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Ser. No. 206,286. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRAD, INC., New York, N. Y. Filed Dec. 5, 1924.

ELECTRAD

*Particular description of goods.*—Radio Equipment Comprising Receiving Sets and Parts Thereof.

*Claims use* since June 1, 1922.

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Ser. No. 207,818. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES S. KIRK & COMPANY, Chicago, Ill. Filed Jan. 8, 1925.

FLAKSO

The lining on the drawing is for shading only.

*Particular description of goods.*—Soap Chips.

*Claims use* since Nov. 1, 1924.

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Ser. No. 209,039. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEON ISRAEL & BROS. INC., New York, N. Y. Filed Feb. 3, 1925.

Shamrock

*Particular description of goods.*—Green Coffee.

*Claims use* since about Oct. 15, 1924

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Ser. No. 209,526. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IWAN BUROER, INC., New York, N. Y. Filed Feb. 13, 1925.

MENUETTE

*Particular description of goods.*—Prepared Foods, Specifically Canned Sardines and Cheese.

*Claims use* since June 26, 1923.

Ser. No. 209,539. (CLASS 39. CLOTHING.) S. L. MUNSON CO., Albany, N. Y. Filed Feb. 13, 1925.

Acorn

*Particular description of goods.*—Women's and Children's Dresses, Aprons, Shirt Waists, Blouses; Flannelette Night Robes and Pyjamas for Men, Women, and Children; and Nurses' Uniforms.

*Claims use* since March, 1880.

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Ser. No. 210,819. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) UNITED STATES FUEL COMPANY, Salt Lake City, Utah. Filed Mar. 10, 1925.

The word "Coal" is disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Coal.

*Claims use* since 1912, and since March, 1910, in business of predecessors, Castle Valley Coal Company.

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Ser. No. 210,950. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) J. H. BUNNELL & COMPANY, INC., New York, N. Y. Filed Mar. 13, 1925.

No claim is made herein to the word "bug" apart from the mark shown in the drawing.

*Particular description of goods.*—Telegraph Keys or Transmitters, and Particularly for the "Automatic Dot" Constructions of the Same Known in the Art for the Past 10 Years or More by the Generic Name of "Bugs."

*Claims use* since Nov. 1, 1923.



Ser. No. 210,954. (CLASS 39. CLOTHING.) CHANCELLOR & VAUGHAN, INC., Chicago, Ill. Filed Mar. 13, 1925.

Applicant disclaims the words "Service," "Quality," and "Trade-Mark" apart from the mark shown on the drawing.

*Particular description of goods.*—Basket-Ball Shirts, Basket-Ball Pants, Gymnasium Shirts, Gymnasium Pants, Track Pants, Running Pants, Gymnasium Bloomers for Women, Gymnasium Suits for Women, Gymnasium Blouses for Women, Gymnasium Knickers for Women, Camping and Outing Knickers for Women, Basket-Ball Shirts for Women, Basket-Ball Trousers for Women, Track Trousers for Women, Middy Blouses for Women, Bathing Suits for Women, Bathing Suits for Men, College Caps and Gowns for Women, College Caps and Gowns for Men.

*Claims use* since Jan. 23, 1925.

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Ser. No. 211,069. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LOREN O. THOMPSON, doing business as L. O. Thompson Company, New York, N. Y. Filed Mar. 14, 1925.

RAJAH

*Particular description of goods.*—Silk Piece Goods.

*Claims use* since 1913.

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Ser. No. 211,070. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LOREN O. THOMPSON, doing business as L. O. Thompson Company, New York, N. Y. Filed Mar. 14, 1925.

Burlingham

*Particular description of goods.*—Silk Piece Goods.

*Claims use* since 1913.

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Ser. No. 211,440. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ITALIAN AMERICAN PASTE CO. INC., San Francisco, Calif. Filed Mar. 21, 1925.

IL FIORE DI NAPOLI

*Particular description of goods.*—Alimentary Pastes.

*Claims use* since 1912.

Ser. No. 211,643. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSA WILKE, doing business as Vital Food Company of California, Los Angeles, Calif. Filed Mar. 25, 1925.

"Please!"

*Particular description of goods.*—Salad Dressing; Edible Oils—Namely, Peanut Oil, Olive Oil, Cottonseed Oil, and Corn Oil.

*Claims use* since Dec. 15, 1924.

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Ser. No. 211,795. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. MILES MEDICAL COMPANY, Elkhart, Ind. Filed Mar. 28, 1925.

PURA-LAXA

*Particular description of goods.*—Laxative Medicines.

*Claims use* since Jan. 21, 1925.

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Ser. No. 211,959. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR M. Q. SYME, doing business as The S & E Powdered Sugar Co., Chicago, Ill. Filed Mar. 31, 1925.

The drawing is lined for red. No claim is made to "S & E Powdered Sugar Co.," "Chicago," or "Brand" apart from the mark as shown on the drawing.

*Particular description of goods.*—Powdered Sugar.

*Claims use* since June 17, 1919.

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Ser. No. 212,316. (CLASS 25. LOCKS AND SAFES.) BEST UNIVERSAL LOCK CO., Seattle, Wash. Filed Apr. 7, 1925.

BEST
UNIVERSAL

No claim is made to the word "Best" apart from the mark shown in the drawings.

*Particular description of goods.*—Locks, Keys, and Parts of Locks.

*Claims use* since Jan. 1, 1925.

Ser. No. 212,318. (CLASS 25. LOCKS AND SAFES.) BEST UNIVERSAL LOCK CO., Seattle, Wash. Filed Apr. 7, 1925.

BEST

No claim is made to the word "Best" apart from the mark shown in the drawing.

*Particular description of goods.*—Locks, Keys, and Parts of Locks.

*Claims use* since Oct. 1, 1923.

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Ser. No. 212,319. (CLASS 25. LOCKS AND SAFES.) BEST UNIVERSAL LOCK CO., Seattle, Wash. Filed Apr. 7, 1925.

UNIVERSAL BEST

No claim is made to the word "Best" apart from the mark shown in the drawing.

*Particular description of goods.*—Locks and Keys and Parts of Locks.

*Claims use* since Jan. 1, 1925.

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Ser. No. 212,378. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLUXO PRODUCTS COMPANY, Le Roy, N. Y. Filed Apr. 8, 1925.

fluxo

Trade-mark consists of the word "Fluxo." The shading indicates the color red.

*Particular description of goods.*—Chemical Preparation in Powder Form Having Disinfecting and Deodorizing Properties.

*Claims use* since Mar. 30, 1925.

Ser. No. 212,390. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CARL LINDSTRÖM AKTIENGESELLSCHAFT, Berlin, Germany. Filed Apr. 8, 1925.

„Beka"

*Particular description of goods.*—Talking Machines and Parts Thereof, Phonographs and Parts Thereof, Needles for Talking Machines, Disks, Records, Paper Envelopes, and Albums for Records, and Soundboxes and Dictating Machines and Parts Thereof.

*Claims use* since Apr. 8, 1918.

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Ser. No. 212,571. (CLASS 15. OILS AND GREASES.) ANTHONY PETRO, New Rochelle, N. Y. Filed Apr. 11, 1925.

STATION OF SERVICE S.O.S. GAS & OIL

The lining of drawing expresses the color red. Applicant makes no claim to the use of the words "Station of Service" and "Gas & Oil" apart from the mark shown in the drawing.

*Particular description of goods.*—Gasoline and Lubricating Oils.

*Claims use* since Feb. 1, 1925.

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Ser. No. 212,589. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERRY & SON, Chicago, Ill. Filed Apr. 13, 1925.

BLUE SEAL B BERRY & SON

The lining of the drawing is for blue, and the representation of the name "Berry & Son" being disclaimed apart from the mark shown on the drawing.

*Particular description of goods.*—Mayonnaise Dressing, Thousand Island Dressing, French Dressing, and Sandwich Spread Made of Blue Seal Mayonnaise, Selected Meats, Pickles, Spices, and Condiments.

*Claims use* since Dec. 15, 1924.



Ser. No. 212,625. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MARIETTA PAINT & COLOR COMPANY, Marietta, Ohio. Filed Apr. 13, 1925.

ALBATONE

*Particular description of goods.*—Mill White (Paint Enamel).

*Claims use* since October, 1921.

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Ser. No. 212,910. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOOTHILL GROVES, Yorba Linda, Calif. Filed Apr. 18, 1925.

YORBA LINDA GEM

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

*Claims use* since January, 1925.

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Ser. No. 212,919. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GIPSY TRAIL CAMP AND COUNTRY CLUB INC., New York, N. Y. Filed Apr. 18, 1925.

*Particular description of goods.*—Candy.

*Claims use* since about Apr. 10, 1925.

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Ser. No. 212,960. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) MAURICE A. PEACARD, doing business as Peacard Heating and Supply Company, Roxbury, Mass. Filed Apr. 18, 1925.

FENWAY

*Particular description of goods.*—Coal and Wood Ranges, Hot-Air Furnaces, Boilers (Steam and Water), Gas Stoves, Gas Ranges, Gas and Water Heaters, Parlor Stoves, Oil Burners, and Radiators, and Parts for Each and All of the Same.

*Claims use* since September, 1924.

Ser. No. 213,020. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JEROME J. JANSEN, San Francisco, Calif. Filed Apr. 20, 1925.

Re-Namel

*Particular description of goods.*—Porcelain-Jacket Crowns.

*Claims use* since Aug. 25, 1925.

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Ser. No. 213,305. (CLASS 12. CONSTRUCTION MATERIALS.) ILLINOIS ASBESTOS PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 25, 1925.

INSULEX

*Particular description of goods.*—Composition Construction and Insulating Materials, such as Slabs, Panels, Boards, Blocks, and the Like, and the Mixture of Solid Ingredients Used in Preparing the Aforesaid Materials.

*Claims use* since on or about Jan. 1, 1917.

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Ser. No. 213,394. (CLASS 37. PAPER AND STATIONERY.) NEW JERSEY COATED PAPER CO., Montclair, N. J. Filed Apr. 27, 1925.

JERPACO

*Particular description of goods.*—Surface-Coated Printing, Writing, Wrapping, Book, and Cover Paper.

*Claims use* since Jan. 1, 1925.

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Ser. No. 213,396. (CLASS 37. PAPER AND STATIONERY.) NEW JERSEY COATED PAPER CO., Montclair, N. J. Filed Apr. 27, 1925.

CLAIROLD

*Particular description of goods.*—Surface-Coated Printing, Writing, Wrapping, Book, and Cover Paper.

*Claims use* since Jan. 1, 1925.

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Ser. No. 213,610. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANGLETON FIG COMPANY, Angleton, Tex. Filed May 1, 1925.

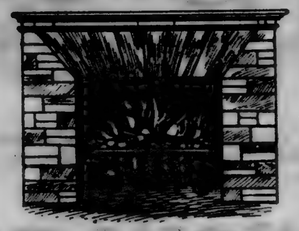
GULF KIST

*Particular description of goods.*—Canned, Bottled and Boxed Figs, Table Sirup, and Candied or Crystallized Figs.

*Claims use* since Apr. 14, 1925.

Ser. No. 213,626. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JOSEPH DUTTON, Sault Ste Marie, Mich. Filed May 1, 1925.

Kindle-Koal



No claim is made to the words "Kindle Koal" apart from the mark shown on the drawing.

*Particular description of goods.*—Fire-Kindling Preparation.

*Claims use* since Apr. 15, 1924.

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Ser. No. 213,689. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUNTE BROTHERS, Chicago, Ill. Filed May 2, 1925.

Book Ends

*Particular description of goods.*—Candy.

*Claims use* since April, 1925.

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Ser. No. 213,749. (CLASS 39. CLOTHING.) VANITY FAIR SILK MILLS, Reading, Pa. Filed May 2, 1925.

*Particular description of goods.*—Gloves of Leather, Rubber, Fabric, and Combinations Thereof; Coats for Men, Women, and Children; Underwear of Knitted and Textile Fabrics for Men, Women, and Children, Consisting of Vests, Bloomers, Knickerbockers, Drawers, Union Suits, Combinations, Chemise, Envelope Chemise, Corset Covers, Nightgowns, Pyjamas, Hosiery, Silk Gloves, Silk Underwear, Petticockers, Men's Silk Underwear, Mainly Union Suits; and Shirts, Bandeaux, Brasichemise, Brassières, Brassivests, Camisoles, Costume Slips, Lingerie, Petticoats, Princess Slips, Step-In Drawers; Coats for Men, Women, and Children; and Gloves of Leather, Rubber, and Fabric; and Dressing Gowns.

*Claims use* since Oct. 9, 1916.

Ser. No. 213,862. (CLASS 39. CLOTHING.) ISIDOR STERN, doing business as National Petticoat Manufacturing Co., New York, N. Y. Filed May 5, 1925.

RA-UN-IT
(RAYON-KNIT)

No claim is made to the words "Rayon-Knit" apart from the mark shown in the drawing.

*Particular description of goods.*—Knitted and Woven Women's and Men's Underwear.

*Claims use* since Feb. 1, 1925.

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Ser. No. 214,168. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE R. LA ROE, Cleveland, Ohio. Filed May 11, 1925.

ECLIPSE

*Particular description of goods.*—Photographic Materials—Namely, Collodion Emulsion, Collodion Base, Stripping Collodion, Sensitizing Dyes, Rubber Solution, Concentrated Developer, Negative Substratum, Reversing Solution, Negative Varnish, Opaline, Safe Etch Gum, Opaque, Etching Solutions, Brown Print Solution.

*Claims use* since Sept. 5, 1924.

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Ser. No. 214,334. (CLASS 39. CLOTHING.) NAVISHADE COMPANY, Philadelphia, Pa. Filed May 14, 1925.

GOLDEN GUARANTEED
Navishade
Blue Serge
SUN PROOF
Navishade Co. PHILA, PA.

No claim is made to the words "Golden," "Navishade, Blue Serge," "Guaranteed," "Sun Proof," "Navishade Co.," and "Phila. Pa." except in association with the mark as it appears in drawing.

*Particular description of goods.*—Outer Suits and Overcoats for Men and Boys.

*Claims use* since May 1, 1924.

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Ser. No. 214,367. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KIRBY-GIFFORD COMPANY, Dallas, Tex. Filed May 15, 1925.

OXIDINE

*Particular description of goods.*—Tonic and Blood Medicine.

*Claims use* since about Jan. 1, 1890.



Ser. No. 214,488. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE LANDGREBE CO., Chicago, Ill. Filed May 18, 1925.

ELBY

*Particular description of goods.*—Dental Supplies—Namely, Hypodermic Needles, Dental Blowpipes, Rubber Dam, Polishing Strips, Disks, Burrs, Base Plates, Investment; Separating Fluid for Use in Separating Plastic Casts in the Construction of Crown, Bridge, and Plate Work; Clamps for Teeth, Broach Holders, Rubber-Dam Holders, Napkin Holders; Cutting Instruments, Including Hoes, Hatchets, Disoids, Cleoids, Chisels, Instruments for Working Plastic Materials, Broaches, Temporary Stopping, Alloys, Temporary Cement, Model Composition, Pink Wax, Vulcanizing Rubber, Inlay Wax, Plaster, and Bite Wax.

*Claims use* since September, 1914.

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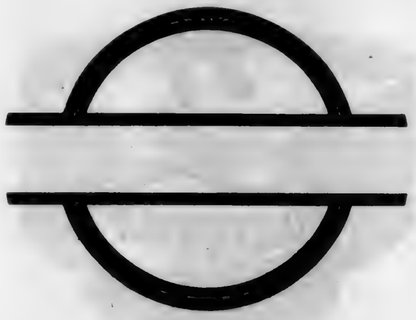
Ser. No. 214,511. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed May 18, 1925.



*Particular description of goods.*—Paraffin Wax for Washing Purposes and Harness Oil.

*Claims use* since Jan. 14, 1925.

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Ser. No. 214,515. (CLASS 15. OILS AND GREASES.) STOLL OIL REFINING COMPANY, Louisville, Ky. Filed May 18, 1925.

GOLDEN-TIP

*Particular description of goods.*—Gasoline.

*Claims use* since about Sept. 1, 1924.

Ser. No. 214,553. (CLASS 28. JEWELRY AND PRECIOUS METALWARE.) C. G. KING & COMPANY, INC., Providence, R. I. Filed May 19, 1925.

SILVAL GOLD

The lining in the drawing indicates shading only. No claim is made to the word "Gold" apart from the mark shown in the drawing.

*Particular description of goods.*—Finger Rings, Ornamental Pins, and Brooches Made of or Plated with Precious Metal.

*Claims use* since May 7, 1925.

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Ser. No. 214,664. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) INTERSTATE IRON & STEEL COMPANY, Chicago, Ill. Filed May 21, 1925.

ONE GROSS
FLAT HEAD
AUGETS
The Self-tapping Double-Thread Wood Screw

Applicant makes no claim to the representation of the screws apart from the mark shown in the drawing, and with the exception of the word "Augets" disclaims all printed matter appearing in the drawing apart from the association in which it is shown.

*Particular description of goods.*—Screws.

*Claims use* since Apr. 22, 1925.

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Ser. No. 214,842. (CLASS 20. LINOLEUM AND OILED CLOTH.) BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky. Filed May 25, 1925.

BELCOLEUM

*Particular description of goods.*—Linoleum.

*Claims use* since Apr. 29, 1925.

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Ser. No. 215,003. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHN STRUTHERS DUNN, Philadelphia, Pa. Filed May 28, 1925.

"DUNCO"

*Particular description of goods.*—Electrical Relay Switches, Electrical Pouring Ladles, and Electrical Heating Apparatus—Namely, Electrically-Heated Pots for Melting or Heating Any Desired Substance.

*Claims use* since Oct. 1, 1924.

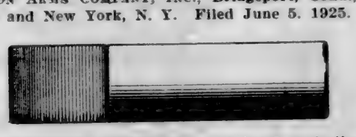
Ser. No. 215,373. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KEYSTONE VARNISH COMPANY, Brooklyn, N. Y. Filed June 5, 1925.

No claim to exclusive right to the use of any of the words appearing on the drawing other than the words "Reflexalite" and "Keystone Varnish Company."

*Particular description of goods.*—Enamel Paint.

*Claims use* since Oct. 18, 1916.

Ser. No. 215,383. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., and Ilion and New York, N. Y. Filed June 5, 1925.

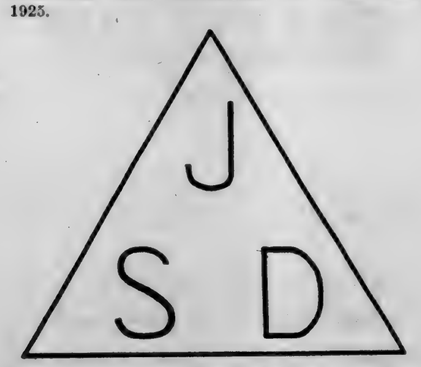


The trade-mark consists of a red band encircling the container and arbitrarily located at one end thereof. No claim is made to the exclusive right to the use of the representation of the container.

*Particular description of goods.*—Ammunition.

*Claims use* since about Apr. 15, 1925.

Ser. No. 215,387. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHN STRUTHERS DUNN, Philadelphia, Pa. Filed June 5, 1925.




*Particular description of goods.*—Electrical Relay Switches, Electrical Pouring Ladles, and Electrical Heating Apparatus—Namely, Electrically-Heated Pots for Melting or Heating Any Desired Substance.

*Claims use* since Oct. 1, 1924.

Ser. No. 215,585. (CLASS 39. CLOTHING.) MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind. Filed June 10, 1925.

BALL-BAND

*Particular description of goods.*—Garters.

*Claims use* since Aug. 1, 1897.

Ser. No. 215,622. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUTHIE & COMPANY, INC., Portland, Oreg. Filed June 11, 1925.

JOHN BULL

*Particular description of goods.*—Fresh and Dried Fruits—Namely, Apples.

*Claims use* since Mar. 22, 1925.

Ser. No. 215,655. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMANUEL D. ROSENSTEIN, doing business as Eagle Malt Extract Company, Memphis, Tenn. Filed June 11, 1925.

We disclaim apart from the mark the descriptive words "Net Weight, 2½ Pounds, 100% Pure, Malt Syrup," the name "Eagle Malt Extract Co.," "Eagle," and the geographical words "Memphis, Tenn."

*Particular description of goods.*—Malt Sirup, a Sirup Made from Malted Barley for Food Purposes—Namely, Cooking, Baking, Confectionery, etc.

*Claims use* since Apr. 1, 1922.

Ser. No. 215,701. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ORLEANS COFFEE CO., LTD., New Orleans, La. Filed June 12, 1925.

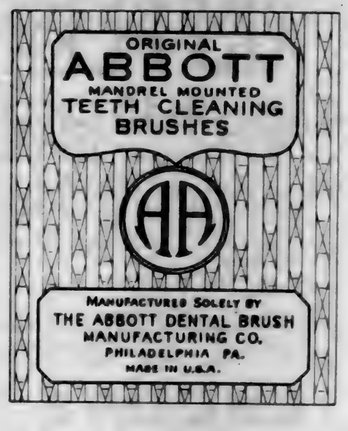
YUM YUM

*Particular description of goods.*—Pure Cane Sirup for Food Purposes.

*Claims use* since May 8, 1925.



Ser. No. 215,995. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JENNIE RUBIN, doing business as The Abbott Dental Brush Manufacturing Co., Philadelphia, Pa. Filed June 18, 1925.




The words "Original Abbott Mandrel Mounted Teeth Cleaning Brushes Pat., Manufactured Solely by The Abbott Dental Brush Manufacturing Co. Philadelphia, Pa. Made in U. S. A." are disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Mandrel-Mounted Dental Brushes.

*Claims use* since Apr. 18, 1925.

Ser. No. 216,066. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NASHUA MANUFG. COMPANY, Nashua, N. H. Filed June 19, 1925. Under ten-year proviso.

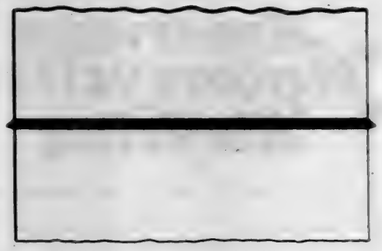
INDIAN HEAD
MILLS.

The trade-mark consists of the head and upper part of the body of an Indian, underneath which are printed or stamped the words "Indian Head Mills."

*Particular description of goods.*—Cotton Piece Goods.

*Claims use* since about 1835.

Ser. No. 216,070. (CLASS 39. CLOTHING.) VERTEX HOSIERY MILLS, INC., Weissport, Pa. Filed June 19, 1925.



No claim is made to the representation of the stocking apart from the mark as shown. The mark is applied or affixed to the goods by arbitrarily knitting integrally a substantially solid ridge or ridges in the upper portion of the stocking at the outer face thereof, preferably of the same color as the adjoining portions of the stocking and preferably below the welt, such ridge consisting of a plurality of immediately successive courses and a course of laterally-transferred loops all arbitrarily grouped to form said ridge.

*Particular description of goods.*—Hosiery.

*Claims use* since May 26, 1923.

Ser. No. 216,153. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CREME-O-BLEND CO., Portland, Oreg. Filed June 22, 1925.

CREME O BLEND

The word "Blend" does not form a part of the mark sought to be registered apart from the mark as shown in the drawing.

*Particular description of goods.*—Specially Blended Cereal Thickening Agent for Soups and Gravies.

*Claims use* since Feb. 10, 1925.

Ser. No. 216,216. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RED SPOT PAINT & VARNISH COMPANY, INCORPORATED, Evansville, Ind. Filed June 22, 1925.

Parmolite

*Particular description of goods.*—Paste and Ready-Mixed Paints, Paint Enamels, and Varnishes for All Kinds of Interior Finishing Purposes.

*Claims use* since Jan. 18, 1920.

Ser. No. 216,262. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CYCLING PRESS, INC., New York, N. Y. Filed June 23, 1925.

American Motorcyclist and Bicyclist

Trade-mark consists of the words "American Motorcyclist and Bicyclist."

*Particular description of goods.*—Monthly Magazine.

*Claims use* since May 1, 1925.

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Ser. No. 216,318. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BIOLA MANUFACTURING COMPANY, INC., Norfolk, Va. Filed June 24, 1925.

Electronic Radio Biola

No claim is made to the words "Electronic Radio."

*Particular description of goods.*—Electrical Therapeutic Treatment Apparatus.

*Claims use* since Nov. 18, 1924.

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Ser. No. 216,375. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHAS. R. ABLETT, doing business as Charles R. Ablett Company, New York, N. Y. Filed June 25, 1925.

No claim is made herein to the words "Charles R. Ablett Co. Lamp Specialists for Twenty Years, New York, N. Y. U. S. A." nor to the representation of the goods apart from the mark shown in the drawing.

*Particular description of goods.*—Electron Tubes Used in Radioreception.

*Claims use* since June 19, 1925.

Ser. No. 216,411. (CLASS 39. CLOTHING.) KISTLER LEATHER COMPANY, South Boston, Mass. Filed June 25, 1925.

KISTLER 1840 BENCH BRAND

Exclusive use of the name "Kistler," also the word "Brand," disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Leather Soles, Tap Soles, and Slip Soles.

*Claims use* since Jan. 24, 1923.

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Ser. No. 216,437. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIMPSON, ROBERTS & CO. LTD., Halifax, Nova Scotia, Canada. Filed June 25, 1925.

ENCORE

Trade-mark consists of the word "Encore."

*Particular description of goods.*—Canned Lobsters and Lobsters in Hermetically-Sealed Packages.

*Claims use* since August, 1902.

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Ser. No. 216,454. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAPITOL CANDIED NUTS, INC., New York, N. Y. Filed June 26, 1925.

"KAPTOL"

*Particular description of goods.*—Sugar-Coated Peanuts, Sugar-Coated Almonds, Chocolate-Coated Dates, and Chocolate-Coated Date Bars.

*Claims use* since Mar. 14, 1925.

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Ser. No. 216,546. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOFFMAN & BLUMENAU, Bay City, Mich. Filed June 27, 1925.

BIG MASTER

No claim is made to the word "Master" apart from the mark as shown in the drawing.

*Particular description of goods.*—Malt Sirup for Food Purposes.

*Claims use* since Feb. 14, 1925.



Ser. No. 216,569. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) HENRY A. TAUBENBEE & CO., Chicago, Ill. Filed June 27, 1925.

Super-Metal

The word "Metal" does not form a part of the mark sought to be registered apart from the mark shown in the drawing.

*Particular description of goods.*—Special Process of Alloy-Coated Polished-Steel Sheets in Various Analyses to Conform with Buyers' Requirements and Steel Sheets in Various Gauges and Sizes.

*Claims use* since Dec. 4, 1924.

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Ser. No. 216,601. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) INTERSTATE IRON & STEEL COMPANY, Chicago, Ill. Filed June 29, 1925.

AUGETS

Applicant disclaims the representation of the goods apart from the mark shown in the drawing. The mark consists in the word "Augets."

*Particular description of goods.*—Screws.

*Claims use* since Apr. 22, 1925.

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Ser. No. 216,642. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PEARL C. ROBBINS, Milligrove, Ind. Filed June 29, 1925.

The trade-mark consists of a portrait of applicant.

*Particular description of goods.*—Liniment Used for the Relief of Rheumatism, Neuralgia, Lumbago, Sciatica, Neuritis, Pleurisy, Sore Throat, Tonsilitis, Chilblains, Frosted Feet, Headache, Cuts, Bruises, Sprains, and Drawing the Soreness Out of Corns and Bunions and Running Rusty Nails in the Flesh.

*Claims use* since Apr. 10, 1925.

Ser. No. 216,660. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WOOD SHOVEL AND TOOL COMPANY, Piqua, Ohio. Filed June 29, 1925.

Moly

*Particular description of goods.*—Shovels.

*Claims use* since May 23, 1925.

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Ser. No. 216,779. (CLASS 39. CLOTHING.) MELVILLE A. GUNST COSTUME CO. INC., doing business as Melville A. Gunst Co., New York, N. Y. Filed July 2, 1925.

LIDO PRINT

No claim is made to the word "Print" except as shown in the drawing.

*Particular description of goods.*—Ladies' Dresses.

*Claims use* since 1911.

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Ser. No. 216,788. (CLASS 39. CLOTHING.) LEWIS-WISE CO. INC., New York, N. Y. Filed July 2, 1925.

SMARTCLADD

*Particular description of goods.*—Men's Robes, Gowns, Lounge Suits, and Jackets.

*Claims use* since June 13, 1925.

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Ser. No. 216,799. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES R. SPICER, doing business as The Pelvo Medicine Co., Memphis, Tenn. Filed July 2, 1925.

Spicer's NUX HERBS AND IRON

The name "Spicer's" is applicant's signature as written by him. No claim is made to the name "Spicer's" nor to the words "Nux," "Herbs," and "Iron" except in the manner shown.

*Particular description of goods.*—Liquid Medicine in the Form of a General Tonic and Laxative.

*Claims use* since Dec. 19, 1917.

Ser. No. 216,837. (CLASS 37. PAPER AND STATIONERY.) IRVING-PITT MANUFACTURING COMPANY, Kansas City, Mo. Filed July 3, 1925.

VI-DEX

The trade-mark consists of the word "Vi-Dex."
*Particular description of goods.*—Visible Index Holders and Visible-Index-Holder Sheets.
*Claims use* since June 27, 1925.

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Ser. No. 216,876. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NICHOLAS P. DAMIANAKES, doing business as California Peanut Co., Oakland, Calif. Filed July 6, 1925.

*Particular description of goods.*—Candy and Candied Nuts.
*Claims use* since Jan. 1, 1925.

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Ser. No. 216,944. (CLASS 38. PRINTS AND PUBLICATIONS.) THE SHIPPERS' GUIDE COMPANY, INC., Chicago, Ill. Filed July 6, 1925.

*Particular description of goods.*—A Monthly Publication.
*Claims use* since April, 1917.

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Ser. No. 216,988. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PERIODICAL DIGEST CORPORATION, New York, N. Y. Filed July 7, 1925.

TID'S TICKER

Trade-mark consists of the words "Tid's Ticker."
*Particular description of goods.*—Column or Section Published Monthly in The Industrial Digest and at Varying Periods in Other Publications Syndicated Therewith.
*Claims use* since July 1, 1925.

Ser. No. 216,989. (CLASS 38. PRINTS AND PUBLICATIONS.) PRESS-UNION PUBLISHING COMPANY, Atlantic City, N. J. Filed July 7, 1925.

ATLANTIC CITY SUNDAY PRESS

*Particular description of goods.*—A Newspaper.
*Claims use* since May 24, 1925.

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Ser. No. 216,994. CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. RODARTE DRUG COMPANY, doing business as Vitagenol Medicine Co., El Paso, Tex. Filed July 7, 1925.

The word "Tonico" is disclaimed apart from mark shown on drawing.
*Particular description of goods.*—Preparation for the Treatment of the Nerves, Blood, the Liver, Kidney, Lungs, and Brain.
*Claims use* since August, 1924.

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Ser. No. 217,025. (CLASS 39. CLOTHING.) THE H. W. GOSSARD CO., Chicago, Ill. Filed July 8, 1925.

DANCELETTE

*Particular description of goods.*—Corsets.
*Claims use* since June 17, 1925.

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Ser. No. 217,115. (CLASS 39. CLOTHING.) EMIL SCHNEIDER, Wellston, Mo. Filed July 9, 1925.

TURTLE

*Particular description of goods.*—Overalls.
*Claims use* since Jan. 31, 1925.

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Ser. No. 217,167. (CLASS 39. CLOTHING.) LINDEKE, WARNER & SONS, INCORPORATED, St. Paul, Minn. Filed July 10, 1925.

TUMBLE-IN

*Particular description of goods.*—Play Suits.
*Claims use* since April, 1921.



Ser. No. 217,181. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLACERVILLE FRUIT GROWERS ASSOCIATION, Placerville, Calif. Filed July 10, 1925.

PLACERVILLE MAID

Applicant disclaims exclusive right to the use of the word "Placerville" apart from the mark as shown.
*Particular description of goods.*—Fresh Deciduous Fruits—Namely, Fresh Pears, Peaches, Plums.
*Claims use* since Apr. 1, 1925.

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Ser. No. 217,233. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SIEMEN & HINSCH, St. Margarethen, Holstein, Germany. Filed July 11, 1925.

Sihi

*Particular description of goods.*—Pumps, Hydraulic and Pneumatic Pump Controlling Devices, and Valves Therefor.
*Claims use* since Nov. 1, 1920.

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Ser. No. 217,236. (CLASS 39. CLOTHING.) WEISS & ZAHLER, New York, N. Y. Filed July 11, 1925.

MacLaggen

*Particular description of goods.*—Mufflers.
*Claims use* since May 15, 1925.

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Ser. No. 217,244. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) N. B. BAILEY, San Francisco, Calif. Filed July 13, 1925.

TUXEDO
SAXOPHONE STRAP

The words "Saxophone Strap" are disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Supporting Strap for Saxophones.
*Claims use* since Oct. 15, 1924.

Ser. No. 217,308. (CLASS 38. PRINTS AND PUBLICATIONS.) LAWRENCE VALENSTEIN, doing business as Grey Studios, New York, N. Y. Filed July 13, 1925.

FURS & FASHIONS

*Particular description of goods.*—Monthly Publication.
*Claims use* since June 1, 1925.

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Ser. No. 217,309. (CLASS 39. CLOTHING.) VICTOR GARMENT MANUFACTURING COMPANY, Muncie, Ind. Filed July 13, 1925.

ELASTO

*Particular description of goods.*—Underwear for Men, Women, and Children, Made of Nainsook or Muslin, Having Elastic Seams in the Sides, the Crotch, and the Back.
*Claims use* since June, 1921.

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Ser. No. 217,396. (CLASS 39. CLOTHING.) THE DISTRIBUTING CORPORATION, New York, N. Y. Filed July 15, 1925.

"Cabaret" Girl

Applicant disclaims the exclusive right to the use of the word "Girl" apart from the mark as shown.
*Particular description of goods.*—Hosiery.
*Claims use* since June 25, 1925.

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Ser. No. 217,400. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. BLOUNT HUNTER, doing business as The Regent Chocolate Company, Norfolk, Va. Filed July 15, 1925.

BUNGALOW

*Particular description of goods.*—Chocolate Sirups for Food Purposes.
*Claims use* since on or about Dec. 1, 1922.

Ser. No. 217,411. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE HUBERT A. MYERS LABORATORIES, Toledo, Ohio. Filed July 15, 1925.

Chloronado

*Particular description of goods.*—Apparatus for Administering Medicinal Preparations to Persons.
*Claims use* since June 1, 1925.

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Ser. No. 217,422. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ROLL-O-WAY CO., Chicago, Ill. Filed July 15, 1925.

ROLL-O-WAY

*Particular description of goods.*—Massage Rollers.
*Claims use* since May 1, 1925.

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Ser. No. 217,508. (CLASS 39. CLOTHING.) THE B. F. GOODRICH COMPANY, New York, N. Y. Filed July 17, 1925.

HI-PRESS
GOODRICH

Trade-mark consists of a rectangular figure of which one half is red and the other white, the two colors meeting along a medial longitudinal line parallel with the sides of the figure.
*Particular description of goods.*—Boots and Shoes Made Principally of Rubber and Fabric.
*Claims use* since about May 8, 1924.

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Ser. No. 217,542. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CUTAWAY HARROW COMPANY, Higganum, Conn. Filed July 18, 1925.

Clark
CUTAWAY

The exclusive use of the name "Clark" except in the precise relation and association in which the name appears in the drawing is disclaimed.
*Particular description of goods.*—Harrows, Cultivators, Edged Disks for Agricultural Implements, Plows, Horse Hoes, Field Seeders, Lawn Rollers, Field Rollers, Cider Mills, Fruit Presses, Root Cutters, Tobacco Presses, Weeders, and Parts Thereof.
*Claims use* since 1912.

Ser. No. 217,569. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN LUCAS & COMPANY INCORPORATED, Philadelphia, Pa. Filed July 18, 1925.

LUCOTE

*Particular description of goods.*—Paint Lacquers and Enamels.
*Claims use* since June 1, 1925.

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Ser. No. 217,592. (CLASS 15. OILS AND GREASES.) WARNER-QUINLAN COMPANY, New York, N. Y. Filed July 18, 1925.

MILEAGE

*Particular description of goods.*—Gasoline, Road Oil, Naphtha, and Lubricating Oil.
*Claims use* since July 9, 1925.

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Ser. No. 217,617. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIGHLAND MILLING COMPANY, Highland, Ill. Filed July 20, 1925.

PRIDE OF ILLINOIS

No claim is made to the word "Illinois" apart from the mark as shown.
*Particular description of goods.*—Self-Rising and Plain Wheat Flour.
*Claims use* since Dec. 17, 1924.

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Ser. No. 217,625. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KIBBE BROTHERS COMPANY, Springfield, Mass. Filed July 20, 1925.

8 STRAIGHT 8

*Particular description of goods.*—Chocolate Bars.
*Claims use* since July 13, 1925.



Ser. No. 217,783. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. E. HORTON, INC., Washington, D. C. Filed July 23, 1925.

APPROVAL

*Particular description of goods.*—Canned Fruits and Canned Vegetables.
*Claims use* since Apr. 29, 1925.

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Ser. No. 217,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL WHOLESALE GROCERS, Chicago, Ill. Filed July 24, 1925.

Centrella

*Particular description of goods.*—Canned Fish, Canned Lobster, Catchup, Coffee, Wheat Flour, Rye Flour, Chili Sauce, Oatmeal, Corn Meal, Raisins, Mayonnaise, Fruit Preserves, Olives, Chile Con Carne, Sandwich Filling Comprising Oil, Mayonnaise Mixed with Chopped Sweet Pickle, Spices, and Chopped Pimientos.
*Claims use* since Sept. 1, 1922.

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Ser. No. 217,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS. DIXIE CHEWING GUM CO., INC., Marion, N. C. Filed July 25, 1925.

RAY'S MOUNTAIN TEA

The color lines indicate the word "Rays" in green, the words "Mountain Tea" in red and the representation of the teaberries in red with green leaves. No claim is made to the word "Ray's" apart from the mark shown.
*Particular description of goods.*—Chewing Gum.
*Claims use* since July 13, 1925.

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Ser. No. 217,880. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HOWELL CO., INC., New Orleans, La. Filed July 25, 1925.

HI-QUAL

*Particular description of goods.*—Flavoring Extracts for Foods.
*Claims use* since Jan. 1, 1925.

Ser. No. 217,892. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) J. L. MOTT COMPANY, Trenton, N. J. Filed July 25, 1925.

DURECAST

*Particular description of goods.*—Pottery Plumbing Fixtures.
*Claims use* since June 19, 1925.

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Ser. No. 217,909. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WOODWARD-WANGER COMPANY, Philadelphia, Pa. Filed July 25, 1925.

Trade-mark consists of a black stripe arbitrarily placed in the body of the article. No claim is made to the representation of the article.
*Particular description of goods.*—Bib and Faucet Washers.
*Claims use* since about May 21, 1905.

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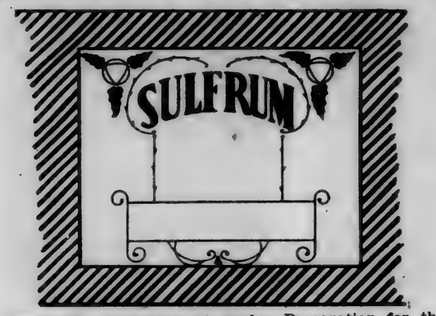
Ser. No. 217,914. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN BEAUTY CO., Long Beach, Calif. Filed July 27, 1925.

The picture shown in drawing is fanciful.
*Particular description of goods.*—Facial and Skin Toilet Preparations—Namely, Beauty Cream and Cold Cream.
*Claims use* since Apr. 1, 1925.

Ser. No. 217,963. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST F. SCHULZ, doing business as Rose Bud Sulfrum Company, Fort Wayne, Ind. Filed July 27, 1925.




*Particular description of goods.*—Preparation for the Treatment of Piles.
*Claims use* since Feb. 2, 1925.

Ser. No. 217,981. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MACARIO V. BALLESTEROS, Los Angeles, Calif. Filed July 28, 1925.

M. V. Ballesteros

The mark consists of a facsimile of applicant's signature. No claim is made to the name apart from the manner written.
*Particular description of goods.*—Preparation to be Used As a Blood Purifier, Antirheumatic, and Tonic.
*Claims use* since July 1, 1923.

Ser. No. 218,005. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY GLASS & CO., New York, N. Y. Filed July 28, 1925.

PANYAN

Trade-mark consists of the words "Pan Yan."
*Particular description of goods.*—Cotton Piece Goods, Combination Silk and Cotton Piece Goods, and Combination of Artificial Silk and Cotton Piece Goods.
*Claims use* since July 14, 1925.

Ser. No. 218,013. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) LENOX INCORPORATED, Trenton, N. J. Filed July 28, 1925.

SILVER-LENOX

*Particular description of goods.*—Pottery—viz, Plates, Cups, Platters, Bowls, and Other Tableware Pottery and Vases.
*Claims use* since June 30, 1925.

Ser. No. 218,015. (CLASS 39. CLOTHING.) SAMUEL MILLER, doing business as Milltex & Colonial Hosiery Mills, Philadelphia, Pa. Filed July 28, 1925.

Milltex

*Particular description of goods.*—Hosiery.
*Claims use* since July 1, 1923.

Ser. No. 218,025. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTH TEXAS COTTON OIL COMPANY, Houston, Tex. Filed July 28, 1925.

PLATO

Trade-mark consists of the word "Plato."
*Particular description of goods.*—Salad Oil, a Deodorized Winterized Cottonseed-Oil Product.
*Claims use* since Feb. 22, 1918.

Ser. No. 218,096. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ARROW GRIP MANUFACTURING CO. INC., Glens Falls, N. Y. Filed July 30, 1925.

Argrip

*Particular description of goods.*—Nonskid Chains for Application to Automobile Tires of the Pneumatic Type and Nonskid Units Consisting of Chains and Spoke Clamps for Application to Tires of Solid Rubber.
*Claims use* since June 1, 1925.

Ser. No. 218,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEE W. WIGGINS, doing business as The Hygena Laboratories, Atlanta, Ga. Filed July 31, 1925.

Hygena

*Particular description of goods.*—Douche Powder.
*Claims use* since Nov. 1, 1924.

Ser. No. 218,239. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEACON MANUFACTURING COMPANY, New Bedford, Mass. Filed Aug. 1, 1925.

Rodeo

Trade-mark consists of the word "Rodeo."
*Particular description of goods.*—Cotton Blankets.
*Claims use* since July 24, 1925.



Ser. No. 218,240. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOSUL COMPANY, INCORPORATED, Wilmington, Del., and Brooklyn, N. Y. Filed Aug. 1, 1925.

BOSUL

*Particular description of goods.*—Medicine for the Treatment of Rheumatism, Gout, and Blood Disorders.
*Claims use* since about Feb. 15, 1918.

Ser. No. 218,251. (CLASS 39. CLOTHING.) FIELD'S CLUB STYLE CLOTHES, Brooklyn, N. Y. Filed Aug. 1, 1925.

No claim is made to the wording appearing on the drawing apart from the mark shown.
*Particular description of goods.*—Men's and Young Men's Clothing, Consisting of Suits, Coats, Vests, Trousers, Overcoats, Topcoats, Tuxedos Made of Woolens and Worsteds, Mohair, Gaberdine, Crash, Linen, and Other Materials.
*Claims use* since July 9, 1925.

Ser. No. 218,259. (CLASS 39. CLOTHING.) HAYMON KRUPP & CO., El Paso, Tex. Filed Aug. 1, 1925.

LEAD ALL

*Particular description of goods.*—Work Clothing and Out-of-Door Clothing for Men, Women, and Children—Namely, Overalls, Pants, Knickers, Work, Dress, Negligee Shirts of Textile Fabric, Blouses, Vests, Coats, Trousers, Dresses, and Aprons Made of Khaki, Moleskin, Cottonades, Gaberdine, and Corduroy.
*Claims use* since June 3, 1925.

Ser. No. 218,272. (CLASS 38. PRINTS AND PUBLICATIONS.) RAMER REVIEWS, INC., New York, N. Y. Filed Aug. 1, 1925.

Art & Beauty

*Particular description of goods.*—Printed Periodical Published Monthly and at Other Intervals.
*Claims use* since about July 28, 1925.

Ser. No. 218,305. (CLASS 38. PRINTS AND PUBLICATIONS.) THE HIGH SCHOOL TEACHER COMPANY, Blanchester, Ohio. Filed Aug. 3, 1925.

The High School Teacher.

*Particular description of goods.*—Periodical Publication.
*Claims use* since on or about Jan. 1, 1925.

Ser. No. 218,308. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) INTERNATIONAL PLAYER ROLL COMPANY, INC., Brooklyn, N. Y. Filed Aug. 3, 1925.

PENNANT

*Particular description of goods.*—Music Rolls and Combination Music and Word Rolls for Use on Player Pianos.
*Claims use* since July 17, 1925.

Ser. No. 218,358. (CLASS 38. PRINTS AND PUBLICATIONS.) FAWCETT PUBLICATIONS, INC., Robbinsdale, Minn. Filed Aug. 4, 1925.

FAWCETT'S

*Particular description of goods.*—Monthly Publication.
*Claims use* since June 27, 1925.

Ser. No. 218,376. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE SAXON CHINA COMPANY, Sebring, Ohio. Filed Aug. 4, 1925.

No claim is made to the exclusive use of the words "Dinner Set" and "Made by Saxon."
*Particular description of goods.*—Plates, Cups, Platters, Bowls, and Other Tableware Pottery.
*Claims use* since June 30, 1925.

Ser. No. 218,377. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE SAXON CHINA COMPANY, Sebring, Ohio. Filed Aug. 4, 1925.

THE BIRTHDAY DINNER SET

No claim is made to the exclusive use of the words "Dinner Set."

*Particular description of goods.*—Plates, Cups, Platters, Bowls, and Other Tableware Pottery.

*Claims use* since June 30, 1925.

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Ser. No. 218,378. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE SAXON CHINA COMPANY, Sebring, Ohio. Filed Aug. 4, 1925.

THE LUCKY STONE DINNER SET

No claim is made to the exclusive use of the words "Dinner Set."

*Particular description of goods.*—Plates, Cups, Platters, Bowls, and Other Tableware Pottery.

*Claims use* since June 30, 1925.

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Ser. No. 218,436. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TEXAS COMPANY, Houston, Tex., and New York, N. Y. Filed Aug. 5, 1925.

LOOK BOX

Trade-mark consists of the words "The Look Box."

*Particular description of goods.*—Monthly Publications.

*Claims use* since January, 1919.

Ser. No. 218,454. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) D. X. INSTRUMENT COMPANY, Harrisburg, Pa. Filed Aug. 7, 1925.

King Cole

*Particular description of goods.*—Radio Receiving Sets.

*Claims use* since Dec. 15, 1924.

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Ser. No. 218,456. (CLASS 39. CLOTHING.) I. ENIE FINK, doing business as Peep O'Day Shoe Co., Rochester, N. Y. Filed Aug. 7, 1925.

peep O'DAY

*Particular description of goods.*—Shoes of Leather, Rubber, and Fabric, Leather and Rubber, Leather and Fabric, and Rubber and Fabric for Infants, Children, and Misses.

*Claims use* since June 26, 1925.

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Ser. No. 218,464. (CLASS 39. CLOTHING.) BENNETT TEXTILE COMPANY, INC., Cohoes, N. Y. Filed Aug. 6, 1925.

Ben-Knit

No claim is made to the word "Knit" apart from the mark as shown in the drawing.

*Particular description of goods.*—Knit Underwear.

*Claims use* since July 1, 1925.

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Ser. No. 218,466. (CLASS 12. CONSTRUCTION MATERIALS.) FREDERICK J. BRUCE, INC., New York, N. Y. Filed Aug. 6, 1925.

TRIMPAK

*Particular description of goods.*—Interior Trim for Doors, Windows, and Moldings.

*Claims use* since July 27, 1925.



Ser. No. 218,469. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Filed Aug. 6, 1925.

Certain-teed

*Particular description of goods.*—Electrical Storage Batteries and Spark Plugs.

*Claims use* since July 15, 1925.

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Ser. No. 218,487. (CLASS 39. CLOTHING.) ALBERT HOEFELD, Chicago, Ill. Filed Aug. 6, 1925.

WYNCLIFF

*Particular description of goods.*—Young Men's and Men's Suits and Overcoats.

*Claims use* since July 30, 1925.

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Ser. No. 218,518. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y. Filed Aug. 7, 1925.

FIGHTING ROMANCES

*Particular description of goods.*—Monthly Magazine.

*Claims use* since Aug. 5, 1925.

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Ser. No. 218,541. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Aug. 8, 1925

ARASHEEN

*Particular description of goods.*—Dress and Negligee Shirts.

*Claims use* since July 23, 1925.

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Ser. No. 218,551. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Aug. 8, 1925.

Alone

*Particular description of goods.*—Piece Goods Made of Silk, Cotton, and Wool.

*Claims use* since June 26, 1925.

Ser. No. 218,561. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEONARD LARSON, doing business as Swine Liquid Company, Alta, Iowa. Filed Aug. 8, 1925.

L. L.'s

The picture and name consists of a facsimile of applicant's portrait and signature. No claim is made to the name apart from the mark shown.

*Particular description of goods.*—Hog Tonic for Diseases of the Stomach and Bowels.

*Claims use* since May 20, 1925.

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Ser. No. 218,602. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & CO., Chicago, Ill. Filed Aug. 10, 1925.

Wear-Weev

*Particular description of goods.*—Men's and Young Men's Suits.

*Claims use* since about February, 1925.

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Ser. No. 218,609. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CENTRAL LABORATORIES CO., Wheeling, W. Va. Filed Aug. 10, 1925.

Auto Fezit

*Particular description of goods.*—Rubber Tire Patches.

*Claims use* since June 8, 1925.

Ser. No. 218,613. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARRY CHIRELSTEIN, Chicago, Ill. Filed Aug. 10, 1925.

SONATRON

*Particular description of goods.*—Radio Electron Tubes.
*Claims use* since Nov. 1, 1924.

Ser. No. 218,623. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 10, 1925.

PICRETINE

*Particular description of goods.*—Percale Piece Goods.
*Claims use* since Sept. 25, 1913.

Ser. No. 218,624. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 10, 1925.

AGATHA

*Particular description of goods.*—Percale Piece Goods.
*Claims use* since Sept. 25, 1913.

Ser. No. 218,626. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 10, 1925.

HAMASAKA

*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since Mar. 13, 1918.

Ser. No. 218,679. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WOODWORTH ELEVATOR COMPANY, Minneapolis, Minn. Filed Aug. 10, 1925.

EQUATOR

*Particular description of goods.*—Soft Coal.
*Claims use* since Aug. 1, 1925.

Ser. No. 218,745. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) DOUGAL BROS., London, England. Filed Aug. 12, 1925.

The drawing is not lined for color.
*Particular description of goods.*—Matches.
*Claims use* since September, 1923.

Ser. No. 218,760. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) K. B. MALT CO., Bay City, Mich. Filed Aug. 12, 1925.

"LOYALTY"

*Particular description of goods.*—Malt Sirup for Food Purposes.
*Claims use* since Jan. 5, 1925.

Ser. No. 218,762. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) K. B. MALT CO., Bay City, Mich. Filed Aug. 12, 1925.

WhiteRose

*Particular description of goods.*—Malt Sirup for Food Purposes.
*Claims use* since Jan. 5, 1925.

Ser. No. 218,813. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE JOHN J. HILDEBRANDT COMPANY, Logansport, Ind. Filed Aug. 13, 1925.

GHOST

*Particular description of goods.*—Artificial Bait—Namely, Bass Bugs, Spinners, Flies, Plugs, and Leaders.
*Claims use* since June 1, 1925.

Ser. No. 218,831. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) LESTER STAMM, doing business as The Monesta Company, New York, N. Y. Filed Aug. 13, 1925.

MONESTA

*Particular description of goods.*—Toothbrushes.
*Claims use* since Jan. 8, 1925.



Ser. No. 218,837. (CLASS 39. CLOTHING.) ALEXANDER BROS. COMPANY, Savannah, Ga. Filed Aug. 14, 1925.

Triple-O

*Particular description of goods.*—Overalls.
*Claims use* since on or about July 22, 1925.

Ser. No. 218,838. (CLASS 39. CLOTHING.) ALEXANDER BROS. COMPANY, Savannah, Ga. Filed Aug. 14, 1925.

Supremalls

*Particular description of goods.*—Overalls.
*Claims use* since on or about July 22, 1925.

Ser. No. 218,843. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOSTON CONFECTIONERY CO., Cambridge, Mass. Filed Aug. 14, 1925.

ZAT-ZIT

*Particular description of goods.*—Candy.
*Claims use* since July 24, 1925.

Ser. No. 218,853. (CLASS 39. CLOTHING.) THE S. KANN SONS COMPANY, Washington, D. C. Filed Aug. 14, 1925.

SELMA

*Particular description of goods.*—Hosiery.
*Claims use* since on or about July 20, 1925.

Ser. No. 218,857. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERNARD A. LIVIERATO, New York, N. Y. Filed Aug. 14, 1925.

LA

*Particular description of goods.*—Coffee.
*Claims use* since Jan. 1, 1925.

Ser. No. 218,892. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AVRI DRUG & CHEMICAL COMPANY, Jersey City, N. J. Filed Aug. 15, 1925.

AVROL

*Particular description of goods.*—Russian Mineral Oil for Use in the Treatment of Constipation.
*Claims use* since Jan. 1, 1916.

Ser. No. 218,895. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) BILLBOARD MATCH COMPANY, East Jaffrey, N. H. Filed Aug. 15, 1925.

BILLBOARD

*Particular description of goods.*—Matches.
*Claims use* since Sept. 15, 1924.

Ser. No. 218,901. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUREKA PRODUCTS CO., St. Louis, Mo. Filed Aug. 15, 1925.

IDIO

*Particular description of goods.*—Nonfreezing Radiator Fluid.
*Claims use* since Nov. 1, 1924.

Ser. No. 218,913. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GILPIN, LANGDON & COMPANY, INCORPORATED, Baltimore, Md. Filed Aug. 15, 1925.

BANDERA NEGRA

*Particular description of goods.*—Liquid and Powder Insecticide.
*Claims use* since May 8, 1906.

Ser. No. 218,928. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MOORESVILLE COTTON MILLS, Mooresville, N. C. Filed Aug. 15, 1925.

COTTAGE

Trade-mark consists of the word "Cottage."
*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since July 14, 1925.

Ser. No. 218,942. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ELIZABETH G. ADRIAN, New York, N. Y. Filed Aug. 17, 1925.

"Jim-in-ee"

*Particular description of goods.*—Dolls.
*Claims use* since July 6, 1925.

Ser. No. 218,961. (CLASS 39. CLOTHING.) FRIENDLY SALES CORPORATION, New York, N. Y. Filed Aug. 17, 1925.

*Particular description of goods.*—Men's, Women's, and Children's Hosiery, Knitted and Woolen Underwear, Silk and Night Shirts, Garters, Hats, Leather and Rubber Shoes.
*Claims use* since July 1, 1925.

Ser. No. 218,965. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HANLY PRODUCTS CO. INC., Chicago, Ill. Filed Aug. 17, 1925.

RIVER-ROOT

*Particular description of goods.*—Shampoo Bags.
*Claims use* since June 27, 1925.

Ser. No. 218,994. (CLASS 38. PRINTS AND PUBLICATIONS.) THE NEWS PUBLISHING COMPANY, INC., Newburyport, Mass. Filed Aug. 17, 1925.

NEWBURYPORT DAILY NEWS
AND NEWBURYPORT HERALD

*Particular description of goods.*—Daily Newspaper.
*Claims use* since Oct. 10, 1915.

Ser. No. 218,996. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORANGE HEIGHTS FRUIT ASSOCIATION, Corona, Calif. Filed Aug. 17, 1925.

HOMER

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
*Claims use* since 1905.

Ser. No. 219,001. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MAX W. ROBINSON, doing business as New England Magnesia Company, Boston, Mass. Filed Aug. 17, 1925.

NEMCO

*Particular description of goods.*—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Ginger Ale, Orangeade, Sarsaparilla, Root Beer, Grape Flavor, Lemon and Lime Flavor, and Strawberry Flavor.
*Claims use* since March, 1924.

Ser. No. 219,002. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX W. ROBINSON, doing business as New England Magnesia Company, Boston, Mass. Filed Aug. 17, 1925.

NEMCO

Trade-mark consists of the word "Nemco".
*Particular description of goods.*—Citrate of Magnesia.
*Claims use* since December, 1922.

Ser. No. 219,019. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY K. WING, Plymouth, Pa. Filed Aug. 17, 1925.

*Particular description of goods.*—Preparation for the Treatment of Piles.
*Claims use* since June 12, 1921.

Ser. No. 219,030. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN GAGL, New York, N. Y. Filed Aug. 18, 1925.

No claim is made for the words "Trade-Mark" apart from the mark shown in the drawing.
*Particular description of goods.*—Medicine in Liquid Form to Prevent Perspiration of Feet.
*Claims use* since Apr. 10, 1924.



Ser. No. 219,035. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM KLEIN, doing business as Pilnaro Chemical Co., New York, N. Y. Filed Aug. 18, 1925.

PILNARO

*Particular description of goods.*—Hair Tonic for the Treatment of the Scalp and Dandruff.
*Claims use* since July 10, 1923.

Ser. No. 219,039. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ LABORATORIES, INC., New York, N. Y. Filed Aug. 18, 1925.

OXANID

*Particular description of goods.*—Sweet Dietetic Preparation, with Medicinal Therapeutic Properties for Diabetic Patients.
*Claims use* since Aug. 5, 1925.

Ser. No. 219,055. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES C. BENTON, doing business as Pyrad Chemical Company, Philadelphia, Pa. Filed Aug. 19, 1925.

PYRAD

*Particular description of goods.*—Motor-Fuel Compound.
*Claims use* since Aug. 1, 1925.



Ser. No. 219,087. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PRINCE LABORATORIES, Baton Rouge, La. Filed Aug. 19, 1925.

PRINCE

*Particular description of goods.*—Hairdressing.
*Claims use* since July 1, 1925.

Ser. No. 219,113. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS F. DIEFENDERFER, doing business as Raynol Products Co., Butler, Pa. Filed Aug. 20, 1925.

RAYNOL

*Particular description of goods.*—Ointment Used in the Treatment of Eczema, Psoriasis, Itching Piles, Poison Ivy, Pimples, Old Sores, and All Skin Trouble, and a Preparation Used in the Treatment of Quinsy, Tonsilitis, Sore Throat, Aphtha, Sore Mouth, Ulcerated Sore Mouth, Thrush, and Hoarseness.
*Claims use* since about July, 1917.

Ser. No. 219,121. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed Aug. 20, 1925.

BON-NUIT

*Particular description of goods.*—Piece Goods Made of Silk.
*Claims use* since June 22, 1925.

Ser. No. 219,154. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TECHNICAL RESEARCH LABORATORIES, INC., Philadelphia, Pa. Filed Aug. 20, 1925.

Bon Jour

*Particular description of goods.*—Bath Salts.
*Claims use* since Aug. 12, 1925.

Ser. No. 219,169. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. EDMUND DAVID, INC., New York, N. Y. Filed Aug. 21, 1925.

"Flattery Prints"

The word "Prints" is disclaimed apart from the mark shown.

*Particular description of goods.*—Silk Fabrics in the Piece.

*Claims use* since September, 1924.

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Ser. No. 219,170. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILMORE M. DUCOTE, New Orleans, La. Filed Aug. 21, 1925.

DU-CO-RO-TE

*Particular description of goods.*—Corrosion Paste.

*Claims use* since May 30, 1925.

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Ser. No. 219,180. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRUBENHOLZ-IMPRÄGNIERUNG G. m. b. H., Charlottenburg, Germany. Filed Aug. 21, 1925.

Minolith

*Particular description of goods.*—Wood-Preserving Preparations or Compounds, Plant and Animal Destroying Preparations or Compounds, Disinfecting Preparations or Compounds, Fluoxides, Fluor Containing Salt Mixtures, and Saline Preserving Preparations or Compounds.

*Claims use* since Jan. 1, 1924.

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Ser. No. 219,188. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAS. G. JOHNSON & CO. INC., New York, N. Y. Filed Aug. 21, 1925.

XOTIK

*Particular description of goods.*—Silk Piece Goods.

*Claims use* since Aug. 10, 1925.

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Ser. No. 219,201. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VERTIS A. RANSOM, Manchester, N. H. Filed Aug. 21, 1925.

Whirlwind

*Particular description of goods.*—Preparation to Kill Flies, Lice, and Other Vermin.

*Claims use* since September, 1923.

Ser. No. 219,222. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BOYD MANUFACTURING COMPANY, INC., doing business as La-Lo Laboratories, Birmingham, Ala. Filed Aug. 22, 1925.

La-Lo

*Particular description of goods.*—Hairdressings.

*Claims use* since March, 1925.

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Ser. No. 219,237. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Aug. 22, 1925.

Natinette

*Particular description of goods.*—Woolen Piece Goods.

*Claims use* since Aug. 1, 1925.

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Ser. No. 219,238. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Aug. 22, 1925.

Nattaleen

*Particular description of goods.*—Woolen Piece Goods.

*Claims use* since Aug. 1, 1925.

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Ser. No. 219,239. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Aug. 22, 1925.

Netteen

*Particular description of goods.*—Woolen Piece Goods.

*Claims use* since Aug. 1, 1925.

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Ser. No. 219,240. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Aug. 22, 1925.

Sportinette

*Particular description of goods.*—Woolen Piece Goods.

*Claims use* since Aug. 1, 1925.

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Ser. No. 219,241. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Aug. 22, 1925.

Forsteen

*Particular description of goods.*—Woolen Piece Goods.

*Claims use* since Aug. 1, 1925.



Ser. No. 219,242. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Aug. 22, 1925.

Forstinette

*Particular description of goods.*—Woolen Piece Goods.

*Claims use* since Aug. 1, 1925.

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Ser. No. 219,244. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y. Filed Aug. 22, 1925.

CRATERS

*Particular description of goods.*—Chocolate.

*Claims use* since about July 25, 1925.

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Ser. No. 219,259. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE RIGAUD, INC., New York, N. Y. Filed Aug. 22, 1925.

CHEZ SOUVENIR

*Particular description of goods.*—Perfumes, Toilet Waters, Face Creams, Bath Salts, Bath Powder, Face Powder, Talcum Powder, Sachet, Rouge, Lip Sticks, Lotion for the Skin and Hair, and Brilliantine.

*Claims use* since July 27, 1925.

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Ser. No. 219,262. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VIVI, INC., New York, N. Y. Filed Aug. 22, 1925.

*Parfum Touvi*

No claim is made to the word "Parfum" apart from the mark shown.

*Particular description of goods.*—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, and Sachets.

*Claims use* since Aug. 3, 1925.

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Ser. No. 219,285. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) KIMBERLY-CLARK COMPANY, Neenah, Wis. Filed Aug. 24, 1925.

Cellu-Dent

*Particular description of goods.*—Absorbent Dental Rolls and Absorbent Dental Pads.

*Claims use* since July 30, 1925.

Ser. No. 219,287. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KIP-SO PRODUCTS CO., New York, N. Y. Filed Aug. 24, 1925.

KIP-SO

*Particular description of goods.*—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hairdressings, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, and Sachets.

*Claims use* since Nov. 30, 1924.

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Ser. No. 219,289. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. H. KRESS & CO., New York, N. Y. Filed Aug. 24, 1925.

FONDA

*Particular description of goods.*—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Sachets, and Talcum Powders.

*Claims use* since June 6, 1925.

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Ser. No. 219,305. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. C. RENEAU, doing business as Reneau Laboratory, Houston, Tex. Filed Aug. 24, 1925.

*Particular description of goods.*—Shampoo.

*Claims use* since July 7, 1925.

Ser. No. 219,309. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MATTHEW W. RYAN, doing business as W. H. Brown Son & Co., New York, N. Y. Filed Aug. 24, 1925.

CREPE LARGETTE

Trade-mark consists of the words "Crepe Largette." No claim is made to the exclusive use of the word "Crepe" apart from the mark shown in the drawing.
*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since January, 1924.

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Ser. No. 219,320. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AMERICAN PRESERVE CO., Philadelphia, Pa. Filed Aug. 25, 1925. Under ten-year proviso.

Schimmel

*Particular description of goods.*—Jellies and Fruit Preserves.
*Claims use* since 1868.

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Ser. No. 219,347. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE E. L. PATCH COMPANY, Stoneham, Mass. Filed Aug. 25, 1925.

PATCHOL

Trade-mark consists of the word "Patchol."
*Particular description of goods.*—Flavored Cod-Liver Oil.
*Claims use* since June 18, 1925.

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Ser. No. 219,372. (CLASS 28. JEWELRY AND PRECIOUS METALWARE.) J. B. BOWDEN & CO., New York, N. Y. Filed Aug. 26, 1925.

JULIET

*Particular description of goods.*—Wedding Rings.
*Claims use* since Aug. 21, 1925.

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Ser. No. 219,389. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARYANNA FRYCZ, Detroit, Mich. Filed Aug. 26, 1925.

M.F. KRYSTAL

*Particular description of goods.*—Foot Perspiration Powder.
*Claims use* since June 1, 1925.

Ser. No. 219,394. (CLASS 38. PRINTS AND PUBLICATIONS.) MARC EDMUND JONES, Los Angeles, Calif. Filed Aug. 26, 1925.

*Particular description of goods.*—Publication Published Every Two Weeks.
*Claims use* since October, 1924.

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Ser. No. 219,441. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Aug. 27, 1925.

Anti-Pior

*Particular description of goods.*—Dentifrice and Mouth Wash.
*Claims use* since May, 1914.

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Ser. No. 219,442. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Aug. 27, 1925.

Diastos

*Particular description of goods.*—Digestant, Aperient, and Adjuvant.
*Claims use* since October, 1890.

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Ser. No. 219,443. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Aug. 27, 1925.

Vitmol

*Particular description of goods.*—Cod-Liver-Extract Compound as a Tonic and Stimulant.
*Claims use* since May, 1923.



Ser. No. 219,447. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) ALFRED ORLIK, New York, N. Y. Filed Aug. 27, 1925.

"HURLINGHAM"

Trade-mark consists in the word "Hurlingham."
*Particular description of goods.*—Pipes.
*Claims use* since Mar. 16, 1925.

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Ser. No. 219,453. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANISLAW SAPIEHA, Racine, Wis. Filed Aug. 27, 1925.

ZMORA

*Particular description of goods.*—Medicine for Debility, Run-Down Conditions, Rheumatism, and Rheumatic Pains.
*Claims use* since about August, 1923.

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Ser. No. 219,460. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRU-BLU BISCUIT CO., Spokane, Wash. Filed Aug. 27, 1925.

KATZ-PAJAMAS

*Particular description of goods.*—Candy.
*Claims use* since Mar. 2, 1923.

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Ser. No. 219,520. (CLASS 28. JEWELRY AND PRECIOUS METALWARE.) B. A. BALLOU & CO., INC., Providence, R. I. Filed Aug. 29, 1925.

Turnstyle

*Particular description of goods.*—Cuff Buttons, Cuff Links, Buckles, Key Rings, Chain Fasteners, Leather-Goods Fasteners, Glove Fasteners, Chain Fasteners, Snap Fasteners, Spring Rings, Tie Clasps, Lapel Buttons, Brooches, and Chain Bars, All of Which are Made of or Plated with Precious Metals; Chains for Personal Adornment, Bracelets, Charms, Fobs, Pendants, and Finger Rings.
*Claims use* since Apr. 7, 1925.

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Ser. No. 219,523. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Aug. 29, 1925.

Carnicol

*Particular description of goods.*—Pile Fabrics in the Piece.
*Claims use* since Mar. 13, 1925.

Ser. No. 219,553. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PEERLESS PREPARATIONS, INC., New York, N. Y. Filed Aug. 29, 1925.

Medpaks

*Particular description of goods.*—Sanitary Napkins.
*Claims use* since July 25, 1925.

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Ser. No. 219,554. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Aug. 29, 1925.

Clor

*Particular description of goods.*—Disinfectant, Cleansing, and Bleaching Agent.
*Claims use* since July 24, 1925.

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Ser. No. 219,558. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SMITH, KLINE & FRENCH COMPANY, Philadelphia, Pa. Filed Aug. 29, 1925.

MINOL

*Particular description of goods.*—Medicinal Mineral Oil.
*Claims use* since on or about Apr. 21, 1915.

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Ser. No. 219,623. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) GILBERT & CO., INC., New York, N. Y. Filed Sept. 1, 1925.

BIRTHFLOWER

*Particular description of goods.*—Porcelain and China Goods.
*Claims use* since July 15, 1925.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

OCTOBER 13, 1925.

204,167. ENDOCRINE STIMULANT TO THE FORMATION OF RED BLOOD CELLS. G. W. CARNRICK Co., New York, N. Y.
Filed January 13, 1925. Serial No. 208,039. PUBLISHED FEBRUARY 24, 1925.

204,168. MEDICINAL PREPARATION FOR THE TREATMENT OF ANEMIA, TUBERCULOSIS, DISEASES OF THE RECTUM AND BOWELS, SKIN DISEASES, AND RACHITIS. CHEMISCHE FABRIK GRÜNAU LANDSHOFF & MEYER AKTIENGESELLSCHAFT, Grunau, near Berlin, Germany.
Filed January 13, 1925. Serial No. 208,040. PUBLISHED JULY 21, 1925.

204,169. HOSIERY AND UNDERWEAR OF KNITTED AND TEXTILE FABRICS. M. ALPERIN & SONS, INC., Memphis, Tenn.
Filed January 17, 1925. Serial No. 208,216. PUBLISHED JUNE 16, 1925.

204,170. REPORT-CARD HOLDERS MADE OF METAL. CHARLES L. BUSSING, New York, N. Y.
Filed January 17, 1925. Serial No. 208,221. PUBLISHED JULY 21, 1925.

204,171. PUZZLE. NEA SERVICE, INC., Cleveland, Ohio.
Filed January 26, 1925. Serial No. 208,671. PUBLISHED MARCH 24, 1925.

204,172. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed January 26, 1925. Serial No. 208,672. PUBLISHED MARCH 24, 1925.

204,173. DRAWING INSTRUMENTS AND MATERIALS—NAMELY, PANTOGRAPHS AND DRAWING BOARDS. EDUCATIONAL SERVICE, INC., Cleveland, Ohio.
Filed February 9, 1925. Serial No. 209,283. PUBLISHED MAY 5, 1925.

204,174. BATTERY FLASH LIGHTS AND CASINGS THEREFOR. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed February 14, 1925. Serial No. 209,583. PUBLISHED JUNE 9, 1925.

204,175. LIQUID REFRESHMENT MIXERS IN THE FORM OF METAL CUPS. ENTERPRISE TRADING CORPORATION, New York, N. Y.
Filed February 17, 1925. Serial No. 209,726. PUBLISHED JULY 21, 1925.

204,176. DENTAL PREPARATIONS FOR CLEANING AND TREATING THE TEETH AND GUMS. ROBERT J. VAUGHAN, doing business as Children's Clinical Laboratory, Baker, Oreg.
Filed February 17, 1925. Serial No. 209,756. PUBLISHED JUNE 16, 1925.

204,177. NECKTIES, HOSIERY, AND GARTERS. TIE-ART COMPANY, INCORPORATED, Buffalo, N. Y.
Filed February 19, 1925. Serial No. 209,882. PUBLISHED JULY 14, 1925.

204,178. ELECTRICALLY-OPERATED AUTOMOBILE HORNS. THE SPARKS-WITHINGTON COMPANY, Jackson, Mich.
Filed March 3, 1925. Serial No. 210,507. PUBLISHED JULY 21, 1925.

204,179. PERFUMES, TOILET WATERS, FACE POWDER, TALCUM POWDER, EAU DE COLOGNE, LOTION FOR THE SKIN AND HAIR, BRILLIANTINE, BATH SALTS, ROUGES, LIP STICKS, AND POWDER COMPACTS. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed March 10, 1925. Serial No. 210,785. PUBLISHED JULY 14, 1925.

204,180. CORSETS AND BRASSIÈRES. ABRAHAM ZWIEBELSON, doing business as Mollie Mayers, New York, N. Y.
Filed March 11, 1925. Serial No. 210,873. PUBLISHED JULY 7, 1925.

204,181. OIL AND GASOLINE GAUGES, AMMETERS, AND VOLTMETERS. TIFFANY MANUFACTURING COMPANY, Newark, N. J.
Filed March 16, 1925. Serial No. 211,139. PUBLISHED JULY 21, 1925.

204,182. INCANDESCENT GAS MANTLES. WELSBACH COMPANY, Gloucester City, N. J.
Filed March 21, 1925. Serial No. 211,435. PUBLISHED JULY 21, 1925.

204,183. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed December 8, 1924. Serial No. 206,425. PUBLISHED MARCH 31, 1925.

204,184. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed December 8, 1924. Serial No. 206,426. PUBLISHED MARCH 31, 1925.

204,185. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed December 8, 1924. Serial No. 206,428. PUBLISHED MARCH 31, 1925.

204,186. LIBRARY OUTFIT INCLUDING BOOKCASES, BOOK RACKS, BOOKSHELVES, BOOKS, AND GROUPS OF SHELVES CONTAINING BOOKS. THE AMERICAN NEWS COMPANY, INC., New York, N. Y.
Filed December 30, 1924. Serial No. 207,440. PUBLISHED JULY 21, 1925.

204,187. CERTAIN NAMED FOODS. RUTH C. EATON, doing business as C. Shepard Eaton Company, Cincinnati, Ohio.
Filed December 27, 1922. Serial No. 173,883. PUBLISHED AUGUST 12, 1924.

204,188. PAPER CLIPS. JOHN O. WINKS, doing business as Ace Clip Company, San Francisco, Calif.
Filed February 19, 1923. Serial No. 176,308. PUBLISHED MAY 5, 1925.

204,189. CANNED PEACHES. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif.
Filed October 25, 1923. Serial No. 187,462. PUBLISHED JANUARY 6, 1925.

204,190. PREPARATION FOR COATING ARTIFICIAL PEARLS AND OTHER ARTICLES TO IMPART AN APPEARANCE LIKE THAT OF PEARLS. JEAN PAISSEAU, Paris, France, Eastport, Me., and Yonkers, N. Y.
Filed March 21, 1924. Serial No. 194,209. PUBLISHED JULY 14, 1925.





204,191. RADIO RECEIVING SETS AND RADIO FREQUENCY TRANSFORMERS, CONDENSERS, AND RESISTANCES. CLAIR L. FARRAND, Forest Hills, N. Y.
Filed April 24, 1924. Serial No. 196,053. PUBLISHED JULY 21, 1925.

204,192. HORNS FOR LOUD-SPEAKING RECEIVERS AND BASES WHICH SUPPORT SAID HORNS IN CONNECTION WITH RADIO DEVICES. WINKLER-REICHMANN COMPANY, now Reichmann Company, Chicago, Ill.
Filed May 12, 1924. Serial No. 196,945. PUBLISHED NOVEMBER 25, 1924.

204,193. SHOES WHICH ARE MADE FROM LEATHER OR FABRIC OR FROM A COMBINATION OF LEATHER AND FABRIC. DAVID MUSSOFF, doing business as D. Mussoff Shoe Co., Pittsburgh, Pa.
Filed May 15, 1924. Serial No. 197,106. PUBLISHED AUGUST 12, 1924.

204,194. ELASTIC SURGICAL BANDAGES AND SUPPORTERS. THOMAS HENRY & SONS, INC., Philadelphia, Pa.
Filed May 17, 1924. Serial No. 197,228. PUBLISHED JULY 21, 1925.

204,195. COFFEE, TEA, SPICES. ROB-ANKENY CO., Seattle, Wash.
Filed May 27, 1924. Serial No. 197,685. PUBLISHED JULY 7, 1925.

204,196. INSECT POWDER AND MANGE OIL. FOX & FUR FARMERS SUPPLY COMPANY, Detroit, Mich.
Filed May 29, 1924. Serial No. 197,805. PUBLISHED JULY 21, 1925.

204,197. PIANO AND AUTOMOBILE POLISH. G. T. MANLEY, doing business as Glossila Chemical Co., Decatur, Ga.
Filed June 14, 1924. Serial No. 198,578. PUBLISHED APRIL 7, 1925.

204,198. PREPARATION TO BE ADDED TO THE BATH, CONTAINING A SUBSTANCE HAVING A SOOTHING EFFECT ON HEART AND NERVES, SUCH AS CONCENTRATED PINE-LEAF OIL. JOHANN WORLICEK, Karlsbad, Czechoslovakia.
Filed July 18, 1924. Serial No. 200,234. PUBLISHED OCTOBER 28, 1924.

204,199. MULTIPLYING APPARATUS AND ACCESSORIES—NAMELY, MULTIPLYING MASSE AND WAX PAPER. GREIF-WERKE VORMALS DEUTSCHE BÜROBEDARFSGESELLSCHAFT BRUER & Co., Goslar, Germany.
Filed July 22, 1924. Serial No. 200,356. PUBLISHED JUNE 2, 1925.

204,200. CUSHIONS FOR SUPPORTING RADIOCABINETS. EDMUND B. NEIL, doing business as Neodyne Associates, New York, N. Y.
Filed September 5, 1924. Serial No. 202,260. PUBLISHED JULY 21, 1925.

204,201. INSECTICIDE. Dr. CARLA LUKAS, doing business as Dr. Lukas Chemical Laboratory, Brooklyn, N. Y.
Filed October 16, 1924. Serial No. 203,962. PUBLISHED JULY 14, 1925.

204,202. MEN'S, WOMEN'S, MISSES', YOUTHS', CHILDREN'S, INFANTS' SHOES, BOOTS, SLIPPERS, PUMPS, AND OXFORDS MADE OF LEATHER AND CANVAS, RUBBER, CLOTH, FABRIC, AND OF COMBINATIONS OF ANY OF SAID MATERIALS. FRANK WEENER CO., San Francisco, Calif.
Filed November 12, 1924. Serial No. 205,185. PUBLISHED JULY 14, 1925.

204,203. COMPACT CASES, VANITY PURSES, MESH BAGS, PURSES, FINGER RINGS, BAR PINS, SCARFPINS, LOCKERS, BRACELETS, WATCH FOBS, WATCH CHAINS, NECK CHAINS, KEY CHAINS, EARRINGS, CHARMS, BROOCHES, LAVALIÈRES, PENDANTS, SAUTOIRS, CUFF LINKS, CUFF BUTTONS, TIE CLASPS, EMBLEM BUTTONS, COLLAR PINS, AND COLLAR BUTTONS, VANITY CASES, CIGARETTE CASES, ALL MADE EITHER OF PLATINUM, GOLD, SILVER, EITHER SOLID OR PLATED; FLAT TABLEWARE—VIZ, SPOONS, FORKS, AND KNIVES—MADE OF OR PLATED WITH PRECIOUS METAL; FLATWARE AND HOLLOW WARE EITHER PLATED WITH OR OF SOLID PRECIOUS METAL. GILBERT & Co. INC., New York, N. Y.
Filed November 24, 1924. Serial No. 205,750. PUBLISHED JUNE 9, 1925.

204,204. TARTARIC AND CITRIC ACIDS, ALCOHOL, DENATURED, BAKING POWDER, BLUING, AMMONIA, GLYCERIN, AND CREAM OF TARTAR. B. A. RAILTON CO., Chicago, Ill.
Filed November 24, 1924. Serial No. 205,786. PUBLISHED JULY 21, 1925.

204,205. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed December 8, 1924. Serial No. 206,423. PUBLISHED MARCH 31, 1925.

204,206. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed December 8, 1924. Serial No. 206,424. PUBLISHED MARCH 31, 1925.

204,207. BLOUSES, KNICKERS, AND BLOOMERS. KENILWORTH MANUFACTURING CO. INC., New York, N. Y.
Filed February 20, 1925. Serial No. 209,922. PUBLISHED JULY 7, 1925.

204,208. FOOTBALLS, HANDBALLS, BASKET BALLS, TENNIS BALLS, GOLF BALLS, TENNIS RACKETS, SQUASH RACKETS, TENNIS POSTS, GOLF STICKS, DUMB-BELLS, AND INDIAN CLUBS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed December 8, 1924. Serial No. 206,466. PUBLISHED JULY 21, 1925.

204,209. FOOTBALLS, HANDBALLS, BASKET BALLS, TENNIS BALLS, GOLF BALLS, TENNIS RACKETS, SQUASH RACKETS, TENNIS POSTS, GOLF STICKS, DUMB-BELLS, AND INDIAN CLUBS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed December 8, 1924. Serial No. 206,463. PUBLISHED JULY 21, 1925.

204,210. FOOTBALLS, HANDBALLS, BASKET BALLS, TENNIS BALLS, GOLF BALLS, TENNIS RACKETS, SQUASH RACKETS, TENNIS POSTS, GOLF STICKS, DUMB-BELLS, AND INDIAN CLUBS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed December 8, 1924. Serial No. 206,448. PUBLISHED JULY 21, 1925.

204,211. BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, AND FABRIC OR COMBINATIONS THEREOF. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed June 27, 1924. Serial No. 199,254. PUBLISHED JULY 21, 1925.

204,212. GAMES AND TOYS. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed September 24, 1923. Serial No. 186,096. PUBLISHED JULY 21, 1925.

204,213. SHOES, BOOTS, AND LEGGINGS OF LEATHER, CLOTH, AND A COMBINATION OF BOTH. KRANZ MERCANTILE CO., INC., New York, N. Y.
Filed February 24, 1923. Serial No. 176,555. PUBLISHED JULY 21, 1925.

204,214. CHILDREN'S, YOUNG MEN'S, AND MEN'S OVERCOATS, COATS, VESTS, AND PANTS. JACOB MARMUR, New York, N. Y.
Filed October 31, 1922. Serial No. 171,428. PUBLISHED JULY 14, 1925.

204,215. JEWELRY, ETC. HARRY G. KAUFMAN, doing business as Kaufman Manufacturing Company, New York, N. Y.
Filed April 24, 1925. Serial No. 213,241. PUBLISHED JULY 21, 1925.

204,216. APPLIANCES FOR MEASURING SURFACE TENSION. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill.
Filed April 24, 1925. Serial No. 213,224. PUBLISHED JULY 21, 1925.

204,217. BUILDING MATERIAL, REFRACTORY BRICK, AND TILE. FRED E. KEELER, doing business as American Grinding Company, Los Angeles, Calif.
Filed April 21, 1925. Serial No. 213,092. PUBLISHED JULY 21, 1925.

204,218. BUILDING MATERIAL, REFRACTORY BRICK, AND TILE. AMERICAN REFRACTORIES CO., Los Angeles, Calif.
Filed Apr. 21, 1925. Serial No. 213,056. PUBLISHED JULY 21, 1925.

204,219. REMEDIES FOR RELIEF OF CATARRH, HAY FEVER, PILES, BURNS, HEAD COLDS, CORNS, CUTS, ECZEMA, NEURALGIA, POISON FROM POISON IVY, CROUP, INFLAMMATION OF THE SKIN, INSECT BITES, WOUNDS, BRUISES, WIND OR SUN BURN, CHAPPED HANDS, CHILBLAINS, AND IRRITATION OF THE SCALP. LITTLE DOCTOR MEDICINE CO., INC., Dallas, Tex.
Filed April 18, 1925. Serial No. 212,937. PUBLISHED JULY 21, 1925.

204,220. REMEDIES FOR THE RELIEF OF HAY FEVER, CATARRH, PILES, BURNS, HEAD COLDS, CROUP, CORNS, CUTS, BRUISES, WIND AND SUN BURN, CHAPPED HANDS, AND IRRITATIONS OF THE SCALP. LITTLE DOCTOR MEDICINE CO., INC., Dallas, Tex.
Filed April 18, 1925. Serial No. 212,935. PUBLISHED JULY 21, 1925.

204,221. REMEDIES FOR THE RELIEF OF HAY FEVER, CATARRH, PILES, BURNS, HEAD COLDS, CROUP, CORNS, CUTS, BRUISES, WIND AND SUN BURN, CHAPPED HANDS, IRRITATIONS OF THE SCALP, INSECT BITES, WOUNDS, COLDS, COUGHS, GRIP, INFLUENZA, CHILBLAINS, DENGUE, ECZEMA, NEURALGIA, POISON FROM POISON IVY, AND INFLAMMATION OF THE SKIN. LITTLE DOCTOR MEDICINE CO., INC., Dallas, Tex.
Filed April 18, 1925. Serial No. 212,934. PUBLISHED JULY 21, 1925.

204,222. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR OF KNITTED AND TEXTILE FABRICS. JOHN E. HANIFEN COMPANY, Philadelphia, Pa.
Filed April 16, 1925. Serial No. 212,808. PUBLISHED JUNE 30, 1925.

204,223. TRAPS FOR HANDLING EITHER STEAM OR WATER, VALVES, LOW-PRESSURE AUTOMATIC BOILER FEEDERS, AND DAMPER REGULATORS. W. D. CASHIN CO., Boston, Mass.
Filed April 14, 1925. Serial No. 212,670. PUBLISHED JULY 21, 1925.

204,224. CANDIES. THE CREAM STORE, INC., Portland, Oreg.
Filed April 13, 1925. Serial No. 212,595. PUBLISHED JUNE 23, 1925.

204,225. VEHICLE BUMPERS. COX CORPORATION, Newark, N. J., and Wilkes-Barre, Pa.
Filed April 10, 1925. Serial No. 212,481. PUBLISHED JULY 14, 1925.

204,226. JEWELRY MADE OF PRECIOUS METAL—NAMELY, BROOCHES, BAR PINS, SLEEVE LINKS, HANDY PINS, SAFETY PINS, COLLAR PINS, SCARF PINS, BRACELETS; VEST SETS CONSISTING OF SLEEVE BUTTONS OR LINKS, VEST BUTTONS, AND STUDS; COLLAR BUTTONS, PENDANTS, NECKLACE CLASPS, NECK CHAINS, BANGLES, NECKLACES, CHILDREN'S SETS, LINGERIE CLASPS, AND FINGER RINGS. KREMENTZ & COMPANY, Newark, N. J.
Filed April 9, 1925. Serial No. 212,443. PUBLISHED JULY 21, 1925.

204,227. SENSITIZED PHOTOGRAPHIC MATERIALS, PARTICULARLY FILM. ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y.
Filed April 8, 1925. Serial No. 212,361. PUBLISHED JULY 21, 1925.

204,228. MOTOR CYCLES. A. J. STEVENS AND COMPANY (1914) LIMITED, Wolverhampton, England.
Filed April 3, 1925. Serial No. 212,157. PUBLISHED JULY 14, 1925.

204,229. PREPARATION FOR THE RELIEF OF INFLAMMATION AND PAIN BY CUTANEOUS ABSORPTION. ROBERT C. PURSELL, doing business as Arnicol Laboratories, New York, N. Y.
Filed April 3, 1925. Serial No. 212,151. PUBLISHED JUNE 9, 1925.

204,230. COLORED DRAWING INK CONTAINING METAL PIGMENT. LILLIAN A. TURNER, Los Angeles, Calif.
Filed April 1, 1925. Serial No. 212,050. PUBLISHED JULY 21, 1925.

204,231. RADIO RECEIVING SETS. LUDWIG BAUMANN & Co., New York, N. Y.
Filed March 28, 1925. Serial No. 211,775. PUBLISHED JUNE 9, 1925.

204,232. FELT HATS (FOR MEN). FERRY HAT MANUFACTURING COMPANY, New York, N. Y.
Filed March 27, 1925. Serial No. 211,789. PUBLISHED JULY 7, 1925.

204,233. CUT SOLES. STEPHENSON & OSBORNE, Lynn, Mass.
Filed March 26, 1925. Serial No. 211,721. PUBLISHED JULY 14, 1925.

204,234. PIPE FITTINGS AND VALVES. WALWORTH MANUFACTURING COMPANY, Boston, Mass.
Filed March 25, 1925. Serial No. 211,640. PUBLISHED JUNE 2, 1925.

204,235. CIGARS. WILLIAM FRANCIS CLEGG, doing business as W. F. Clegg Cigar Company, Greensboro, N. C.
Filed June 8, 1925. Serial No. 215,437. PUBLISHED JULY 21, 1925.

204,236. TIES AND SCARFS. EAGLE KNITTING MILLS, Philadelphia, Pa.
Filed May 27, 1925. Serial No. 214,949. PUBLISHED JULY 21, 1925.

204,237. LADIES' HOSIERY. MONTGOMERY WARD & Co., INCORPORATED, Chicago, Ill.
Filed May 26, 1925. Serial No. 214,922. PUBLISHED JULY 21, 1925.

204,238. PETTICOATS. HENRY HIRSCHBERG INC., New York, N. Y.
Filed May 25, 1925. Serial No. 214,867. PUBLISHED JULY 21, 1925.

204,239. TEXTILE ARTICLES—NAMELY, HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed May 23, 1925. Serial No. 214,773. PUBLISHED JULY 21, 1925.

204,240. WOMEN'S DRESSES. BIBERMAN BROTHERS, INC., Philadelphia, Pa.
Filed May 22, 1925. Serial No. 214,705. PUBLISHED JULY 21, 1925.



204,241. DOLLS, TOY FIGURES, AND MECHANICAL TOYS. GEO. BORGFELDT & CO., New York, N. Y.
Filed May 11, 1925. Serial No. 214,121. PUBLISHED JULY 21, 1925.

204,242. REMEDIES FOR THE TREATMENT OF TUBERCULOSIS, BRONCHITIS, AND CHRONIC COUGHS. JULIAN W. ZINN, Flanagan, Ill.
Filed May 8, 1925. Serial No. 214,040. PUBLISHED JULY 21, 1925.

204,243. CHEMICAL SOLUTION APPLIED OR DESIGNED TO BE APPLIED TO INTERNAL-COMBUSTION ENGINES TO FACILITATE COMBUSTION. AMERICAN KATALITE CORPORATION, Brooklyn and New York, N. Y.
Filed May 8, 1925. Serial No. 214,003. PUBLISHED JULY 21, 1925.

204,244. SCALP OINTMENT. JANE B. TERRY, New York, N. Y.
Filed May 7, 1925. Serial No. 213,997. PUBLISHED JULY 21, 1925.

204,245. ANTISEPTIC WOUND-HEALING PREPARATION IN PASTIL AND POWDER FORM. MAX CLAASZ, Munich, Germany.
Filed May 7, 1925. Serial No. 213,954. PUBLISHED JULY 21, 1925.

204,246. RADIO RECEIVING SETS. RADIO PRODUCTS CORPORATION, Birmingham, Ala.
Filed May 2, 1925. Serial No. 213,734. PUBLISHED JULY 7, 1925.

204,247. TONIC FOR THE STOMACH AND ALL DISORDERS RESULTING FROM SLUGGISH ACTION OF THE LIVER. THE J-V PHARMACY, doing business as The J & V Laboratories, Pontiac, Mich.
Filed May 2, 1925. Serial No. 213,711. PUBLISHED JULY 21, 1925.

204,248. ROTATING GAME OF CHANCE FOR USE IN AMUSEMENT PARKS. WILLIAM P. BOCKIN, doing business as Freeport Metal Products Mfg. Co., Freeport, N. Y.
Filed May 2, 1925. Serial No. 213,687. PUBLISHED JULY 21, 1925.

204,249. PAIN PILLS. DAVID H. FULTON & BROTHER, Baltimore, Md.
Filed April 30, 1925. Serial No. 213,562. PUBLISHED JULY 21, 1925.

204,250. ESSENTIAL OILS SUITABLE FOR PERFUMERY PURPOSES. HEINE & CO., New York, N. Y.
Filed April 29, 1925. Serial No. 213,504. PUBLISHED JULY 21, 1925.

204,251. ESSENTIAL OILS SUITABLE FOR PERFUMERY PURPOSES. HEINE & CO., New York, N. Y.
Filed April 29, 1925. Serial No. 213,503. PUBLISHED JULY 21, 1925.

204,252. ESSENTIAL OILS SUITABLE FOR PERFUMERY PURPOSES. HEINE & CO., New York, N. Y.
Filed April 29, 1925. Serial No. 213,502. PUBLISHED JULY 21, 1925.

204,253. MEDICINE TO BE USED AS A NERVE TONIC, PUT UP IN TABLET FORM FOR INTERNAL USE. H. E. STOREY, doing business as Storey Laboratories, Houston, Tex.
Filed April 20, 1925. Serial No. 213,047. PUBLISHED JULY 21, 1925.

204,254. BOILER COMPOUND. WILLIAM W. PHIPPEN, Los Angeles, Calif.
Filed April 20, 1925. Serial No. 213,040. PUBLISHED JULY 21, 1925.

204,255. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio.
Filed April 18, 1925. Serial No. 212,978. PUBLISHED JULY 21, 1925.

204,256. MEDICAL PREPARATION OR SALVES FOR BURNS, SCALDS, BOILS, IRRITABLE ULCERS, CHAP CRACKS, SORE NIPPLES, PILES, ABRASIONS, ETC. AMANDA K. SWANSON, Chicago, Ill.
Filed April 18, 1925. Serial No. 212,974. PUBLISHED JULY 21, 1925.

204,257. LADIES' KIMONOS, HOUSE DRESSES, HOUSE APRONS, BUNGALOW APRONS; MEN'S, WOMEN'S, AND CHILDREN'S BATH ROBES. CARO & COMPANY INC., New York, N. Y.
Filed April 7, 1925. Serial No. 212,320. PUBLISHED JUNE 23, 1925.

204,258. ENDOCRINE PRODUCTS CONSISTING OF SOLUTIONS CONTAINING THE NATURAL SECRETIONS OF THE DUCTLESS GLANDS OF VERTEBRATE ANIMALS, PREPARED FOR MEDICINAL OR DIETARY USE, AS A SUBSTITUTE OR REINFORCEMENT FOR SPECIFIC OR GENERAL ENDOCRINE INSUFFICIENCY. COLWELL PHARMACAL CORPORATION, New York, N. Y.
Filed March 24, 1925. Serial No. 211,518. PUBLISHED JULY 21, 1925.

204,259. CERTAIN MEDICINAL PREPARATIONS. W. K. BUCKLEY, LIMITED, Toronto, Ontario, Canada.
Filed March 23, 1925. Serial No. 211,457. PUBLISHED JULY 21, 1925.

204,260. NEGATIVE COTTON, COLLODIONS, IODIZERS, AND ACIDS USED IN PHOTO-ENGRAVING AND NEWSPAPER BUSINESS IN THE PRODUCTION OF CUTS AND PRINTS. PHILLIPS & JACOBS, Philadelphia, Pa.
Filed February 19, 1925. Serial No. 210,875. PUBLISHED JULY 21, 1925.

204,261. DENTAL MEDICINES AND PREPARATIONS. DETROIT DENTAL MANUFACTURING COMPANY, Detroit, Mich.
Filed March 9, 1925. Serial No. 210,715. PUBLISHED JULY 21, 1925.

204,262. RADIO RECEIVING SETS, PARTS THEREOF, LOUD SPEAKERS, AND LOOP ANTENNÆ THEREFOR. REICHMANN COMPANY, Chicago, Ill.
Filed February 26, 1925. Serial No. 210,188. PUBLISHED JULY 21, 1925.

204,263. RADIO RECEIVING SETS, PARTS THEREOF, LOUD SPEAKERS, AND LOOP ANTENNÆ THEREFOR. REICHMANN COMPANY, Chicago, Ill.
Filed February 26, 1925. Serial No. 210,187. PUBLISHED JULY 21, 1925.

204,264. READY-MIXED PAINTS, VARNISHES, STAINS, AND PAINT ENAMELS. STAR-PEERLESS WALL PAPER MILLS, Joliet, Ill.
Filed April 10, 1923. Serial No. 178,938. PUBLISHED JULY 21, 1925.

204,265. CIGARS. GENERAL CIGAR CO., INC., New York, N. Y.
Filed May 21, 1925. Serial No. 214,657. PUBLISHED JULY 21, 1925.

204,266. GAME COMPRISING A BOARD WITH BASKETS SUPPORTED THEREON AND INTO WHICH BALLS MAY BE THROWN. CHARLES HOLBROOK VINAL, doing business as Alongshore Toy Manufactory, Mystic, Conn.
Filed May 12, 1925. Serial No. 214,225. PUBLISHED JULY 21, 1925.

204,267. SERUMS FOR THE TREATMENT OF ARTERIOSCLEROSIS. GIOACCHINO STABILI, Morrisville, Pa.
Filed May 1, 1925. Serial No. 213,671. PUBLISHED JULY 21, 1925.

204,268. MALT EXTRACT. LIFE SAVERS, INC., Port Chester, N. Y.
Filed April 30, 1925. Serial No. 213,582. PUBLISHED JULY 21, 1925.

204,269. MEN'S AND LADIES' NECKTIES. THE MAJESTIC NECKWEAR CO., New York, N. Y.
Filed April 27, 1925. Serial No. 213,384. PUBLISHED JULY 21, 1925.

204,270. ALL TYPES OF UNDERWEAR, KNITTED OR WOVEN, HOSIERY, AND ALL TYPES OF SWEATERS. A. KOMMEL & SONS, New York, N. Y.
Filed April 23, 1925. Serial No. 213,178. PUBLISHED JULY 21, 1925.

204,271. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR OF KNITTED AND TEXTILE FABRICS. JOHN E. HANIFEN COMPANY, Philadelphia, Pa.
Filed April 16, 1925. Serial No. 212,810. PUBLISHED JULY 21, 1925.

204,272. PERFUMES AND HYGIENIC PRODUCTS—NAMELY, COLOGNE, COLOGNE WATERS, EXTRACTS, REFILLS FOR COMPACTS, TOILET DUSTING POWDERS, TOILET SACHET, BATH SALTS, COLD CREAMS, FACE PACKS, COMPACTS, SKIN CREAMS, SHAMPOOS, EYEDROPS, TALCUM POWDERS, TOILET WATERS, SMELLING SALTS, AROMATIC VINEGARS, FACE POWDERS, ROUGES, BEAUTY CLAY, VANISHING CREAMS, FACIAL PAINTS, SACHETS, SKIN BLEACHES, LIP STICKS, EYEBROW PENCILS, AND HAIR, FACE, HAND, AND FOOT LOTIONS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed April 16, 1925. Serial No. 212,792. PUBLISHED JULY 21, 1925.

204,273. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & CO. INC., Troy, N. Y.
Filed April 1, 1925. Serial No. 211,978. PUBLISHED JULY 21, 1925.

204,274. CORN REMEDY. JOE ADGAR, Oakland, Calif.
Filed March 10, 1925. Serial No. 210,774. PUBLISHED JULY 21, 1925.

204,275. MEN'S SUITS, OVERCOATS, AND TOP COATS. JOFFE & KAUFMAN, New York, N. Y.
Filed March 5, 1925. Serial No. 210,562. PUBLISHED JULY 21, 1925.

204,276. PERFUMERY. RENAUD ET CIE. OF AMERICA, Boston, Mass.
Filed May 23, 1925. Serial No. 214,815. PUBLISHED JULY 21, 1925.

204,277. PERFUMERY. RENAUD ET CIE. OF AMERICA, Boston, Mass.
Filed May 23, 1925. Serial No. 214,814. PUBLISHED JULY 21, 1925.

204,278. CERTAIN DENTAL APPLIANCES. ROBERT E. L. MILLER, Front Royal, Va.
Filed May 23, 1925. Serial No. 214,809. PUBLISHED JULY 21, 1925.

204,279. DENTAL PREPARATION FOR MASSAGING AND STIMULATING THE GUMS. DENTAL LABORATORY PRODUCTS COMPANY,, Washington, D. C.
Filed May 23, 1925. Serial No. 214,784. PUBLISHED JULY 21, 1925.

204,280. COMPOUND FOR KILLING TREES AND SPROUTS. LEE L. COE, Pleasanton, Kans.
Filed May 22, 1925. Serial No. 214,709. PUBLISHED JULY 14, 1925.

204,281. DYES PARTICULARLY FOR HOUSEHOLD USE. ARTI-AKTIENGESELLSCHAFT VORMALS FARBWERK EMIL JANSEN & CO., Barmen, Germany.
Filed May 22, 1925. Serial No. 214,704. PUBLISHED JULY 14, 1925.

204,282. PERFUME. PEGGY HOYT, INC., New York, N. Y.
Filed May 21, 1925. Serial No. 214,682. PUBLISHED JULY 14, 1925.

204,283. PERFUME. PEGGY HOYT, INC., New York, N. Y.
Filed May 21, 1925. Serial No. 214,680. PUBLISHED JULY 14, 1925.

204,284. PERFUME. PEGGY HOYT, INC., New York, N. Y.
Filed May 21, 1925. Serial No. 214,679. PUBLISHED JULY 14, 1925.

204,285. SALINE LAXATIVE. OTIS CLAPP & SON, INC., Boston, Mass.
Filed May 20, 1925. Serial No. 214,610. PUBLISHED JULY 14, 1925.

204,286. WHEAT FLOUR. THE CENTRAL MINN. POWER & MILLING CO., Sauk Center, Minn.
Filed September 26, 1921. Serial No. 153,340. PUBLISHED MARCH 10, 1925.

204,287. MEDICINE FOR ANÆMIA AND TUBERCULOSIS AND USED IN CONVALESCENCE, DEBILITY, AND GROWTH. AUGUSTE CASSEUS, Paris, France.
Filed May 20, 1925. Serial No. 214,584. PUBLISHED JULY 21, 1925.

204,288. EMBALMING FLUID. THE UNDERTAKERS' SUPPLY COMPANY, Chicago, Ill.
Filed May 18, 1925. Serial No. 214,521. PUBLISHED JULY 14, 1925.

204,289. PREINJECTION COMPOUND USED IN EMBALMING. THE UNDERTAKERS' SUPPLY COMPANY, Chicago, Ill.
Filed May 18, 1925. Serial No. 214,517. PUBLISHED JULY 14, 1925.

204,290. EMBALMING FLUID. THE UNDERTAKERS' SUPPLY COMPANY, Chicago, Ill.
Filed May 18, 1925. Serial No. 214,516. PUBLISHED JULY 14, 1925.

204,291. WATER, STEAM, AND GAS VALVES. SPENCER THERMOSTAT COMPANY, Cambridge, Mass.
Filed May 15, 1925. Serial No. 214,382. PUBLISHED JULY 21, 1925.

204,292. FIBROUS MATERIAL FOR USE IN THE TREATMENT OF THE HUMAN BODY. ABSORBENT LINEN CORPORATION, Boston and Taunton, Mass.
Filed May 15, 1925. Serial No. 214,347. PUBLISHED JULY 21, 1925.

204,293. EGGSHELL-GLOSS FINISHING ENAMEL. VALENTINE & COMPANY, New York, N. Y.
Filed May 13, 1925. Serial No. 214,292. PUBLISHED JULY 21, 1925.

204,294. COMBINED SKIRT MARKERS AND RULERS. DIONYSIUS W. TREMBATH, New York, N. Y.
Filed May 12, 1925. Serial No. 214,203. PUBLISHED JULY 21, 1925.

204,295. ALDEHYDE CONDENSATION PRODUCTS USED AS FROTHING AGENTS IN FLOTATION PROCESSES. SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y.
Filed May 9, 1925. Serial No. 214,098. PUBLISHED JULY 21, 1925.

204,296. COMBINED NAPKIN SUPPORTER AND DRESS SHIELD. MARY A. OBRIEN, New York, N. Y.
Filed May 8, 1925. Serial No. 214,029. PUBLISHED JULY 21, 1925.

204,297. SKIN-IMPROVING FLUID. ALICE E. SMITH, New York, N. Y.
Filed May 6, 1925. Serial No. 213,928. PUBLISHED JUNE 30, 1925.

204,298. WELDING MOLDS. RAIL WELDING & BONDING COMPANY, Cleveland, Ohio.
Filed May 6, 1925. Serial No. 213,919. PUBLISHED JULY 21, 1925.

204,299. WELDING RODS. RAIL WELDING & BONDING COMPANY, Cleveland, Ohio.
Filed May 6, 1925. Serial No. 213,918. PUBLISHED JULY 21, 1925



204,300. CHEMICAL MATERIALS FOR REMOVING CARBON DIOXIDE FROM AIR OR OTHER GASES. MINE SAFETY APPLIANCES COMPANY, Pittsburgh, Pa.
Filed June 10, 1925 Serial No. 215,583. PUBLISHED JULY 21, 1925.

204,301. BANDAGES, TOURNIQUETS, AIR AND GAS PURIFYING AND BREATHING APPARATUS AND FIRST AID APPLIANCES AND SUPPLIES. MINE SAFETY APPLIANCES COMPANY, Pittsburgh, Pa.
Filed June 10, 1925. Serial No. 215,582. PUBLISHED JULY 21, 1925.

204,302. CORN PLASTERS. W. W. HUGHES, doing business as Dad's Corn Plaster, Memphis, Tenn.
Filed June 10, 1925. Serial No. 215,573. PUBLISHED JULY 21, 1925.

204,303. GENERAL MEDICINAL TONIC PARTICULARLY RECOMMENDED FOR THE TREATMENT OF ANÆMIA, CHLOROSIS, AND THE CACHETIC STATE FOLLOWING EXHAUSTING DISEASES. THE SYDNEY ROSS CO., Newark, N. J.
Filed June 9, 1925. Serial No. 215,537. PUBLISHED JULY 21, 1925.

204,304. PREPARATIONS FOR THE TREATMENT OF THE ORDINARY CURABLE AILMENTS OF THE KIDNEYS, LIVER, BLADDER, AND URINARY ORGANS DUE TO ATONIC CONDITIONS. DR. KILMER & CO., Binghamton, N. Y.
Filed June 9, 1925. Serial No. 215,518. PUBLISHED JULY 21, 1925.

204,305. PROPHYLACTIC MEMBRANOUS ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. LOUIS HILSENBECK, New York, N. Y.
Filed June 5, 1925. Serial No. 215,371. PUBLISHED JULY 21, 1925.

204,306. INTESTINAL ANTISEPTICS. SOCIETE ANONYME DES PRODUITS CHIMIQUES SPECIAUX, BREVETS LUMIERE, Lyon, France.
Filed May 23, 1925. Serial No. 214,829. PUBLISHED JULY 21, 1925.

204,307. PERFUMERY, GERMICIDES, AIR PURIFIERS, INCENSE, AND INSECT EXTERMINATORS. RENAUD ET CIE. OF AMERICA, Boston, Mass.
Filed May 23, 1925. Serial No. 214,822. PUBLISHED JULY 21, 1925.

204,308. PERFUMERY. RENAUD ET CIE. OF AMERICA, Boston, Mass.
Filed May 23, 1925. Serial No. 214,816. PUBLISHED JULY 21, 1925.

204,309. MINERAL-SURFACED FLEXIBLE ROOFING SHINGLES MADE FROM FIBROUS SHEET MATERIAL SATURATED AND COATED WITH A BITUMINOUS COMPOUND. THE FLINTKOTE COMPANY, Boston, Mass.
Filed May 4, 1925. Serial No. 213,779. PUBLISHED JULY 21, 1925.

204,310. PREPARATION FOR COUGHS AND ALL INFLAMMATORY CONDITIONS OF THE THROAT, CHEST, AND LUNGS. THE CRESTAL CHEMICAL COMPANY, INC., New York, N. Y.
Filed May 4, 1925. Serial No. 213,771. PUBLISHED JUNE 23, 1925.

204,311. LADIES' HATS. C. & S. HAT AND FRAME CO., Los Angeles, Calif.
Filed May 4, 1925. Serial No. 213,765. PUBLISHED JULY 14, 1925.

204,312. PREPARATION FOR THE TREATMENT OF INFLUENZA, PNEUMONIA, RHEUMATISM, SORE THROAT, CUTS, SORES, AND STIFF JOINTS. E. T. MAULDIN, Sycamore, Ga.
Filed April 30, 1925. Serial No. 213,588. PUBLISHED JULY 21, 1925.

204,313. WATCHCASES OF PRECIOUS, SEMIPRECIOUS, AND BASE METAL. STAR WATCH CASE CO., Ludington, Mich.
Filed April 30, 1925. Serial No. 213,597. PUBLISHED JULY 21, 1925.

204,314. COAL. THE CENTRAL STATES COAL COMPANY, Toledo, Ohio.
Filed April 27, 1925. Serial No. 213,363. PUBLISHED JULY 21, 1925.

204,315. SPLINT FOR TREATMENT OF HAMMER TOES. CLAUDE RIVINGTON ACFIELD, New York, N. Y.
Filed April 27, 1925. Serial No. 213,342. PUBLISHED JULY 21, 1925.

204,316. BRAKE OR TRANSMISSION BANDS. HELEN B. ECKELS, doing business as Canadian Manufacturing Company, Philadelphia, Pa.
Filed February 24, 1925. Serial No. 210,050. PUBLISHED JULY 21, 1925.

204,317. SUSPENDERS, GARTERS, ARMBANDS, AND BELTS. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed January 30, 1925. Serial No. 208,867. PUBLISHED JULY 21, 1925.

204,318. BOTTLES CONTAINING COMPOUND OF MEDICINAL OIL AND AGAR AGAR. DESCHELL LABORATORIES, INC., Los Angeles, Calif.
Filed January 19, 1925. Serial No. 208,284. PUBLISHED JULY 21, 1925.

204,319. LIQUID CLEANER AND POLISH FOR FLOORS, INTERIOR DECORATIONS, AND AUTOMOBILES. L. O. KERKOW, Cleveland, Ohio.
Filed January 7, 1925. Serial No. 207,790. PUBLISHED JULY 21, 1925.

204,320. WINDSHIELD CLEANERS OF THE SQUEEGEE TYPE. ALL CLEAR WINDSHIELDS, INC., Fall River, Mass.
Filed November 11, 1924. Serial No. 205,103. PUBLISHED AUGUST 4, 1925.

204,321. ABRASIVE GRAINS AND GRINDING WHEELS. AMERICAN EMERY WHEEL WORKS, Providence, R. I.
Filed October 8, 1924. Serial No. 203,555. PUBLISHED FEBRUARY 3, 1925.

204,322. CHEMICAL PREPARATION FOR INTENSIFYING GASOLINE FUEL FOR MOTOR CARS, MOTOR BOATS, AND GAS ENGINES. THE AERO-GAS COMPANY, Cincinnati, Ohio.
Filed September 23, 1924. Serial No. 203,099. PUBLISHED JULY 21, 1925.

204,323. HOSIERY. PHILADELPHIA KNITTING MILLS COMPANY, Philadelphia, Pa.
Filed January 7, 1924. Serial No. 190,517. PUBLISHED JULY 22, 1924.

204,324. GOLF BALLS. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed May 8, 1924. Serial No. 196,740. PUBLISHED JULY 21, 1925.

204,325. CERTAIN MEDICINAL AND PHARMACEUTICAL PREPARATIONS. C. H. BOEHRINGER SOHN, Nieder-Ingelheim-on-the-Rhine, Germany.
Filed August 9, 1922. Serial No. 168,006. PUBLISHED JULY 21, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

204,326. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN OREGON PACKING CORPORATION, Corvallis, Oreg. Filed June 8, 1925. Serial No. 215,490.

WES-TON

*Particular description of goods.*—Canned Berries.
*Claims use* since July 28, 1924.

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204,327. (CLASS 32. FURNITURE AND UPHOLSTERY.) EVANSVILLE METAL BED CO., Evansville, Ind. Filed June 3, 1925. Serial No. 215,240. Date of first use alleged, Jan. 1, 1922.

HI-KLASS

*Particular description of goods.*—Metal Beds, Spring Beds, Folding Beds, Metal Cribs, Cots, and Davenettes.
*Claims use* since January, 1922.

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204,328. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif. Filed May 22, 1925. Serial No. 214,739.

TROY

*Particular description of goods.*—Fresh Citrous Fruits.
*Claims use* since Jan. 1, 1914.

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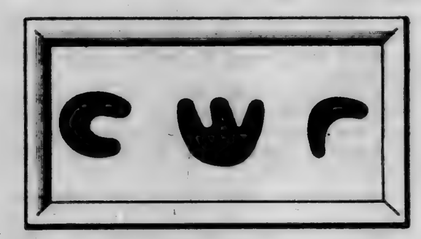
204,329. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) I. ROKEACH & SONS, INC., Brooklyn, N. Y. Filed May 7, 1925. Serial No. 213,993.




*Particular description of goods.*—Soap.
*Claims use* for not less than one year.



204,330. (CLASS 37. PAPER AND STATIONERY.) THE FOX PAPER COMPANY, Lockland, Ohio. Filed Apr. 15, 1925. Serial No. 212,728.

*Particular description of goods.*—Wrapping Paper.
*Claims use* since Jan. 1, 1914.

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204,331. (CLASS 12. CONSTRUCTION MATERIALS.) DODWELL & COMPANY, LTD., New York, N. Y. Filed Apr. 11, 1925. Serial No. 212,545.

PARAMOUNT

*Particular description of goods.*—Portland Cement and Artificial Portland Cement.
*Claims use* since Sept. 1, 1924.

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204,332. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORFOLK STORAGE COMPANY, Norfolk, Va. Filed Apr. 9, 1925. Serial No. 212,452.

TROPHY

*Particular description of goods.*—Extra Large Unshelled Virginia Peanuts.
*Claims use* since 1905.



204,333. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BERT M. MORRIS, San Francisco, Calif. Filed Apr. 1, 1925. Serial No. 212,018.

*Particular description of goods.*—Compound for Cleaning Pens.
*Claims use* since Feb. 24, 1925.

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204,334. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EAST SIDE PACKING COMPANY, East St. Louis, Ill. Filed Mar. 30, 1925. Serial No. 211,840.

*Particular description of goods.*—Hams and Bacon.
*Claims use* since 1921.

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204,335. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) O'NEIL OIL & PAINT COMPANY, Milwaukee, Wis. Filed Mar. 25, 1925. Serial No. 211,607.

DURO

*Particular description of goods.*—Ready-mixed Paints, Enamels, Colors in Oil, Lacquers, Wood Filler, Oil, and Varnish Stains.
*Claims use* since Feb. 1, 1900.

204,336. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MOSES SIEGEL, doing business under the firm name Jean Ribbon Company, Paterson, N. J. Filed Apr. 9, 1925. Serial No. 212,439.

DEMAND MELVIN BRAND

*Particular description of goods.*—Silk and Cotton Mixed Ribbon.
*Claims use* since Dec. 1, 1923.

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204,337. (CLASS 39. CLOTHING.) CADET KNITTING COMPANY, Philadelphia, Pa. Filed June 28, 1921. Serial No. 149,736.

SCIENTIFIC

*Particular description of goods.*—Hosiery and Sweaters.
*Claims use* since May 1, 1905.

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204,338. (CLASS 39. CLOTHING.) A. V. VICTORIUS & CO., INC., New York, N. Y. Filed Mar. 19, 1924. Serial No. 194,090.

RITZ

*Particular description of goods.*—Hosiery.
*Claims use* since Mar. 15, 1924.

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204,339. (CLASS 39. CLOTHING.) BENJAMIN SHERMAN, doing business as New England Furriers, Washington, D. C. Filed Nov. 15, 1922. Serial No. 172,061.

NEW ENGLAND FURRIERS

*Particular description of goods.*—Coats, Capes, Scarfs; Hats for Men, Women, and Children; Fur Sets; Stoles, Neck Pieces, Muffs, and Gloves of Fur.
*Claims use* since about Apr. 1, 1915.

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204,340. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ECONOMY SUPPLY AND EQUIPMENT COMPANY, Ventnor City, N. J. Filed Aug. 22, 1923. Serial No. 184,816.

ECONOMY

*Particular description of goods.*—Water Grates.
*Claims use* since Aug. 4, 1920.

204,341. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WALL-KANE NEEDLE MFG. CO. INC., Brooklyn, N. Y. Filed Mar. 6, 1923. Serial No. 177,058.

CONCERT

*Particular description of goods.*—Phonograph Needles.
*Claims use* since Oct. 21, 1922.

204,342. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DUBILIER CONDENSER & RADIO CORPORATION, New York, N. Y. Filed Oct. 8, 1924. Serial No. 203,561.

DUBILIER

*Particular description of goods.*—Electrical Filters and Combined Electrical Filters and Rectifiers for Adapting Current Supplied by a Light or Power Circuit for Use in Radio Apparatus by Removing Pulsations from Said Currents.
*Claims use* since Aug. 22, 1924.

204,343. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WATERBURY BUTTON COMPANY, Waterbury, Conn. Filed Sept. 27, 1924. Serial No. 203,157.

6-POINT GLIDER

*Particular description of goods.*—Sliding Casters.
*Claims use* since about Aug. 1, 1924.

204,344. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FREED-EISEMANN RADIO CORPORATION, Brooklyn, N. Y. Filed July 31, 1924. Serial No. 200,758.

RADIOSTAGE

*Particular description of goods.*—Complete Radio Receiving Sets Employing Radio-Frequency Amplification.
*Claims use* since June 23, 1924.

204,345. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COOPER HEWITT ELECTRIC COMPANY, Hoboken, N. J. Filed July 25, 1924. Serial No. 200,480.

KON-NEC-TOR

*Particular description of goods.*—Switches of the Liquid-Flow Type, Particularly Mercury Switches.
*Claims use* since July 1, 1924.

204,346. (CLASS 39. CLOTHING.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed June 13, 1924. Serial No. 198,493.

Play Duds

*Particular description of goods.*—Children's Play Clothes Comprising Overall Suits, Cowboy Suits, Indian Suits, Policemen and Firemen Suits, Baseball Suits, Corduroy Suits, Bathing Suits, and Khaki Suits.
*Claims use* since May 1, 1924.

204,347. (CLASS 39. CLOTHING.) PEERLESS CORSET CO., INC., New York, N. Y. Filed May 29, 1924. Serial No. 197,830.

Dr. Darling
HEALTH CORSET

*Particular description of goods.*—Corsets and Girdles.
*Claims use* since Dec. 9, 1923.

204,348. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) AMERICAN CLEANER PRODUCTS CORPORATION, Princeton, Ind. Filed Apr. 12, 1924. Serial No. 195,432.

AMERICAN CLEANING
CLEAN ALL
CORPORATION

*Particular description of goods.*—Cleaner, Polisher, Renovator, Disinfector for Varnish, Paint, and Enamel.
*Claims use* since September, 1923.

204,349. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE REMMERS SOAP COMPANY, Cincinnati, Ohio, assignor to The Remmers-Graham Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 29, 1924. Serial No. 194,662.

Lemon Foam
Lemonized Cocoanut Oil

*Particular description of goods.*—Soap.
*Claims use* since Feb. 20, 1924.



204,350. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Mar. 5, 1924. Serial No. 193,269.

GOLDCLAD

*Particular description of goods.*—Watchcases.
*Claims use* since Jan. 1, 1924.

204,351. (CLASS 37. PAPER AND STATIONERY.) S. E & M. VERNON INC., New York, N. Y. Filed Oct. 11, 1924. Serial No. 203,764.

ROYAL

*Particular description of goods.*—Blank Books.
*Claims use* since 1900.

204,352. (CLASS 39. CLOTHING.) S. NEWMAN SHOES, INC., New York, N. Y. Filed Nov. 13, 1924. Serial No. 205,219.

S. NEWMAN SHOES INC.
S. NEWMAN
FLEXIBLE ARCH SHOES
FOR TIRED FEET

*Particular description of goods.*—Shoes of Leather or Fabric or Combinations Thereof.
*Claims use* since Aug. 1, 1924.

204,353. (CLASS 37. PAPER AND STATIONERY.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Jan. 6, 1925. Serial No. 207,707.

WATKINS

*Particular description of goods.*—Lead Pencils.
*Claims use* since June 29, 1914.

204,354. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Jan. 6, 1925. Serial No. 207,764.

WATKINS

*Particular description of goods.*—Baby Soap, Cold-Cream Soap, Crystal Rose Soap, Green Palm Soap, Toilet Soap, Vegetable-Oil Soap, Witch-Hazel Soap, Germicidal Soap, Pine-Tar Soap, Shaving Soap, and Washing Compound.
*Claims use* since Jan. 25, 1915.

204,355. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OMAHA COLD STORAGE COMPANY, Omaha, Nebr. Filed Feb. 16, 1925. Serial No. 209,683.

OCS Douglas

*Particular description of goods.*—Fresh-Dressed Poultry, Butter, and Eggs.
*Claims use* since June 1, 1924.

204,356. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OMAHA COLD STORAGE COMPANY, Omaha, Nebr. Filed Feb. 16, 1925. Serial No. 209,682.

OCS OMAHA

*Particular description of goods.*—Fresh-Dressed Poultry, Butter, and Eggs.
*Claims use* since June 1, 1924.

204,357. (CLASS 38. PRINTS AND PUBLICATIONS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Jan. 6, 1925. Serial No. 207,768.

WATKINS

*Particular description of goods.*—Stock-Raisers' Manuals and Song Books.
*Claims use* since Mar. 3, 1908.

204,358. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED S. PHINNEY, New York, N. Y. Filed Aug. 24, 1925. Serial No. 219,301.

PHINNEY'S
COFFEE

*Particular description of goods.*—Coffee.
*Claims use* since Sept. 1, 1915.

204,359. (CLASS 39. CLOTHING.) I. MILLER & SONS, INC., New York, N. Y. Filed Aug. 15, 1925. Serial No. 218,927.

Perugia

*Particular description of goods.*—Women's and Misses' Shoes and Slippers of Leather, Fabric, and Combinations of the Same.
*Claims use* since June 1, 1923.

204,360. (CLASS 39. CLOTHING.) I. MILLER & SONS, INC., New York, N. Y. Filed Aug. 15, 1925. Serial No. 218,926.

PERUGIA

*Particular description of goods.*—Women's and Misses' Shoes and Slippers of Leather, Fabric, and Combinations of the Same.
*Claims use* since June 15, 1923.

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204,361. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) CHARLES H. LYON, doing business as The Lyon Mfg. Co., Chicago, Ill. Filed Aug. 10, 1925. Serial No. 218,650.

THE LYON PIPE

*Particular description of goods.*—Pipes.
*Claims use* since on or about Dec. 10, 1920.

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204,362. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ITALIAN VINEYARD COMPANY, Los Angeles, Calif. Filed July 22, 1925. Serial No. 217,713.

GUASTI GRAPES

*Particular description of goods.*—Grapes in Their Natural State.
*Claims use* since Sept. 1, 1922.

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204,363. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GEO. T. MCLAUTHLIN COMPANY, Providence, R. I., and Boston, Mass. Filed July 16, 1925. Serial No. 217,475.

UNIVERSAL

*Particular description of goods.*—Electric Elevators and Electric Dumb-Waiters.
*Claims use* since November, 1923.

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204,364. (CLASS 12. CONSTRUCTION MATERIALS.) MORGAN SASH & DOOR COMPANY, Chicago, Ill. Filed July 10, 1925. Serial No. 217,176.

*There is no added cost for "Morgan-Quality"*

*Particular description of goods.*—Windows, Doors, Blinds, Panelwork, Moldings, Stair Work, and Porch Work, All Made of Wood.
*Claims use* since Mar. 15, 1920.

204,365. (CLASS 12. CONSTRUCTION MATERIALS.) MORGAN SASH & DOOR COMPANY, Chicago, Ill. Filed July 10, 1925. Serial No. 217,174.

"MORGAN-QUALITY"
STANDARDIZED WOODWORK

*Particular description of goods.*—Windows, Doors, Blinds, Panelwork, Moldings, Stair Work, and Porch Work, All of Wood.
*Claims use* since Jan. 2, 1920.

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204,366. (CLASS 32. FURNITURE AND UPHOLSTERY.) GREENPOINT METALLIC BED CO., INC., Brooklyn, N. Y. Filed July 10, 1925. Serial No. 217,149.

GEORGIAN

*Particular description of goods.*—Bedsteads.
*Claims use* since June 15, 1924.

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204,367. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) J. T. THORPE & SON, INC., Los Angeles, Calif. Filed July 9, 1925. Serial No. 217,117.

SAN JOAQUIN

*Particular description of goods.*—Oil and Gas Furnaces.
*Claims use* since Dec. 1, 1924.

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204,368. (CLASS 39. CLOTHING.) HOLLAND SHOE COMPANY, Holland, Mich. Filed July 8, 1925. Serial No. 217,029.

HOLLAND SHOE CO.D

*Particular description of goods.*—Boots and Shoes of Leather.
*Claims use* since Apr. 26, 1906.

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204,369. (CLASS 39. CLOTHING.) HOLLAND SHOE COMPANY, Holland, Mich. Filed July 8, 1925. Serial No. 217,028.

HOLLAND SHOE

*Particular description of goods.*—Boots and Shoes of Leather.
*Claims use* since Apr. 26, 1906.



204,370. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEST & CO., INC., New York, N. Y. Filed July 2, 1925. Serial No. 216,766.

*Whitehall*

*Particular description of goods.*—Handkerchiefs.
*Claims use* since Oct. 13, 1921.

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204,371. (CLASS 37. PAPER AND STATIONERY.) THE ALLING & CORY COMPANY, Pittsburgh, Pa. Filed July 2, 1925. Serial No. 216,759.

Delphian Bond

*Particular description of goods.*—Bond Paper.
*Claims use* since January, 1923.

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204,372. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE SUNDAY CREEK COAL COMPANY, Columbus, Ohio. Filed Aug. 8, 1925. Serial No. 218,582.

SUNDAY CREEK

*Particular description of goods.*—Coal.
*Claims use* since 1902.

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204,373. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE SUNDAY CREEK COAL COMPANY, Columbus, Ohio. Filed Aug. 8, 1925. Serial No. 218,581.

SEDALIA

*Particular description of goods.*—Coal.
*Claims use* since 1917.

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204,374. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NI-LATE MANUFACTURING COMPANY, Atlanta, Ga. Filed July 31, 1925. Serial No. 218,200.

MENTHENE

*Particular description of goods.*—Cough Sirup for the Treatment of Bronchial Affections.
*Claims use* since Oct. 1, 1923.



204,375. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWIN M. BLUMENTHAL, doing business as Sonoma Malt Extract Co., Chicago, Ill. Filed July 31, 1925. Serial No. 218,159.

SONOMA

*Particular description of goods.*—Malt Extract for Food Purposes.
*Claims use* since July 11, 1921.

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204,376. (CLASS 39. CLOTHING.) SHERMAN & SONS, INC., Louisville, Ky. Filed July 30, 1925. Serial No. 218,146.

Churchill

*Particular description of goods.*—Men's Overcoats and Suits.
*Claims use* since Aug. 15, 1923.

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204,377. (CLASS 12. CONSTRUCTION MATERIALS.) HILGEN MANUFACTURING COMPANY, Cedarburg, Wis. Filed July 13, 1925. Serial No. 217,274.

*Hilgen*

*Particular description of goods.*—Millwork.
*Claims use* since July, 1919.

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204,378. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DONK BROTHERS COAL & COKE COMPANY, St. Louis, Mo. Filed July 10, 1925. Serial No. 217,139.

*Maryville*

*Particular description of goods.*—Bituminous Coal.
*Claims use* since 1899 or 1900.

204,379. (CLASS 39. CLOTHING.) WOLFE BROTHERS, Providence, R. I. Filed June 22, 1925. Serial No. 216,247.

Canterbury

*Particular description of goods.*—Hosiery, Knitted Underwear, and Pyjamas for Men.
*Claims use* since 1922.

204,380. (CLASS 39. CLOTHING.) JERSILD KNITTING COMPANY, Neenah, Wis. Filed June 20, 1925. Serial No. 216,103.

Pinkerton

*Particular description of goods.*—Knitted Coats and Sweaters for Men and Boys.
*Claims use* since Sept. 1, 1920.

203,381. (CLASS 39. CLOTHING.) KRAMER BRANDEIS, INC., New York, N. Y. Filed June 18, 1925. Serial No. 215,987.

Londonderry

*Particular description of goods.*—Men's Hosiery, Four-in-Hand and Bow Ties, Men's Mufflers, and Cravats.
*Claims use* since May 15, 1923.

204,382. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE J. B. FORD COMPANY, Wyandotte, Mich. Filed June 18, 1925. Serial No. 215,974.

Wyandotte

*Particular description of goods.*—Paint and Enamel Remover.
*Claims use* for not less than one year.

204,383. (CLASS 39. CLOTHING.) ONLIBEST HOSIERY MILLS, Philadelphia, Pa. Filed June 1, 1925. Serial No. 215,170.

ONLIBEST

*Particular description of goods.*—Hosiery.
*Claims use* since March, 1919.

204,384. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed May 26, 1925. Serial No. 214,929.

YearRound

*Particular description of goods.*—Men's, Youths', and Boys', Outer Garments—Namely, Coats, Vests, Trousers, Knickerbockers, Overcoats, Mackinaws, Jackets, and Overalls; Children's and Youths' Rompers, and Children's and Misses' Bloomers.
*Claims use* since about May, 1921.

204,385. (CLASS 12. CONSTRUCTION MATERIALS.) TEXAS CREOSOTING CO., Orange, Dallas, and Houston, Tex. Filed Mar. 9, 1925. Serial No. 210,764.

"BLACK BEAUTIES"

*Particular description of goods.*—Creosoted Poles, Piles, Cross Arms, Ties, Crossties, and Lumber.
*Claims use* since July 1, 1924.

204,386. (CLASS 39. CLOTHING.) SUFFOLK OVERALL CO., INC., Suffolk, Va. Filed Feb. 19, 1925. Serial No. 209,879.

Best Wear

*Particular description of goods.*—Work Shirts, Overalls, Jumpers, Unionalls, and Work Pants.
*Claims use* since Aug. 1, 1924.

204,387. (CLASS 31. FILTERS AND REFRIGERATORS.) W. V. STAIB COMPANY, INC., Brooklyn, N. Y. Filed Feb. 5, 1925. Serial No. 209,144.

STACOLD
W.V. STAIB COMPANY, INC
174-176 SOUTH PORTLAND AVE.
BROOKLYN, N.Y.C.

*Particular description of goods.*—Refrigerators.
*Claims use* since July 1, 1924.



204,388. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POSO LAND & PRODUCTS CO., Wasco, Calif. Filed Jan. 16, 1925. Serial No. 208,207.

Poso

*Particular description of goods.*—Fresh Lettuce, Fresh Potatoes, Fresh Cantaloupes, Grapes, and Deciduous Fruits.
*Claims use* since Dec. 15, 1923.

204,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK L. HUNTING, doing business as Kandy Kone Co., Whiting, Iowa. Filed Sept. 22, 1924. Serial No. 202,871.

KANDY KONE

*Particular description of goods.*—Frozen Confection.
*Claims use* since Sept. 1, 1924.

204,390. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARTHA H. LEWIS, doing business as Martha Lewis Fruit Products Company, Denver, Colo. Filed Sept. 19, 1924. Serial No. 202,781.

ORANGE BAR

*Particular description of goods.*—Candy.
*Claims use* since about Aug. 1, 1924.

204,391. (CLASS 39. CLOTHING.) HIRSCHBERG & COMPANY, New York, N. Y. Filed Sept. 6, 1924. Serial No. 202,294.

COOL-GOLF

*Particular description of goods.*—Men's and Boys' Caps.
*Claims use* since Aug. 21, 1924.

204,392. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTHA MATILDA HARPER, Rochester, N. Y. Filed Aug. 29, 1924. Serial No. 202,010.

HARPER METHOD

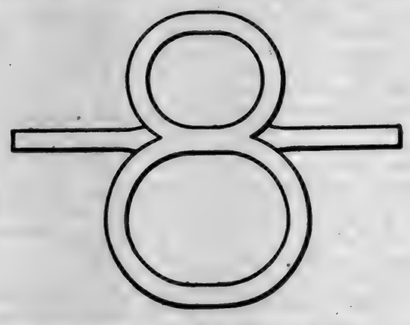
*Particular description of goods.*—Hair Tonic, Astringents, Face Powder, Brilliantine, Lemon Cream, Tissue Cream, Vanishing Cream, Cold Cream, Hair Ointment, and Talcum Powder.
*Claims use* since Sept. 1, 1921.

204,393. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) H. B. POTTER COMPANY, Plainfield, N. J. Filed Aug. 12, 1924. Serial No. 201,307.

UNTEARABLE

*Particular description of goods.*—Asbestos Sheeting.
*Claims use* since Jan. 11, 1913.

204,394. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE KURTZ MOTOR CAR COMPANY, Cleveland, Ohio. Filed Aug. 1, 1924. Serial No. 200,821.



*Particular description of goods.*—Motor Cars.
*Claims use* since on or about May 5, 1924.

204,395. (CLASS 31. FILTERS AND REFRIGERATORS.) HARRY L. HUSSMANN REFRIGERATOR & SUPPLY COMPANY, St. Louis, Mo. Filed May 19, 1924. Serial No. 197,277.

Better Meats
Cleaner Meats
Quicker Service

*Particular description of goods.*—Show-Case Refrigerators.
*Claims use* since Mar. 1, 1914.

# TRADE-MARK REGISTRATIONS RENEWED

25,510. BASEBALL BATS. Registered November 13, 1894. J. F. HILLERICH & SON. Renewed November 13, 1924, to Hillerich & Bradsby Co., Louisville, Ky., a Corporation of Kentucky, successor.

25,564. MEN'S OUTER CLOTHING. Registered December 4, 1894. FRANK L. DUNNE, Boston, Mass. Renewed December 4, 1924, to F. L. Dunne & Co., Boston, Mass., and New York, N. Y., successors.

26,930. GLOVES AND HOSIERY. Registered August 13, 1895. JOHN S. BRITTAIN DRY GOODS CO., St. Joseph, Mo., a Corporation of Missouri. Renewed August 13, 1925.

27,102. HARDWARE, MACHINES, AND MISCELLANEOUS GOODS. Registered September 24, 1895. MARSHALL-WELLS HARDWARE CO. Renewed September 24, 1925, to Marshall-Wells Company, Duluth, Minn., a Corporation of New Jersey, assignee.

27,170. CERTAIN NAMED ARTICLES OF AND MATERIAL FOR CLOTHING AND ALSO ARTICLES FOR HOUSEHOLD USE. Registered November 5, 1895. JONES BROTHERS & CO. Renewed November 5, 1925, to Jones Brothers Limited, Manchester, England, a Corporation of Great Britain, assignee.

27,209. A CEREAL PRODUCT OR PREPARATION. Registered November 12, 1895. JOHN HARVEY KELLOGG. Renewed November 12, 1925, to The Battle Creek Food Company, Battle Creek, Mich., a Corporation of Michigan, assignee.

27,327. PERFUMERY, TOILET ARTICLES AND PREPARATIONS. Registered November 26, 1895. RICHARD HUDNUT. Renewed November 26, 1925, to Richard Hudnut, New York, N. Y., a Corporation of New York, assignee.

27,392. PERFUMERY, TOILET ARTICLES AND PREPARATIONS. Registered December 3, 1895. RICHARD HUDNUT. Renewed December 3, 1925. Richard Hudnut, New York, N. Y., a Corporation of New York, assignee.

27,474. RASPS AND FILES. Registered December 10, 1895. STOKES BROS. MANUFACTURING CO., Freehold, N. J., a Corporation of New Jersey. Renewed December 10, 1925.

44,571. FARINACEOUS DIETETIC FOODS. Registered July 11, 1905. MERRELL-SOULE COMPANY. Renewed July 11, 1925, to Justfood Company, Syracuse, N. Y., a Corporation of New York, assignee.

44,622. PREPARED PAINTS. Registered July 18, 1905. THE LOWE BROTHERS COMPANY, Dayton, Ohio. a Corporation of Ohio. Renewed July 18, 1925.

44,623. PAINTS AND VARNISHES. Registered July 18, 1905. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a Corporation of Ohio. Renewed July 18, 1925.

44,883. HAIR CURLERS. Registered July 25, 1905. MAGIC CURLER COMPANY. Renewed July 25, 1925, to Magic Hair Curler Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

44,922. LEAD PENCILS. Registered August 1, 1905. EAGLE PENCIL COMPANY. Renewed August 1, 1925, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

44,923. LEAD PENCILS. Registered August 1, 1905. EAGLE PENCIL COMPANY. Renewed August 1, 1925, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

44,925. LEAD PENCILS. Registered August 1, 1905. EAGLE PENCIL COMPANY. Renewed August 1, 1925, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

44,926. PENHOLDERS. Registered August 1, 1905. EAGLE PENCIL COMPANY. Renewed August 1, 1925, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

45,197. A PERIODICAL IN MAGAZINE FORM. Registered August 8, 1905. LEVEY BROS. & CO. Renewed August 8, 1925, to Levey Printing Company, Indianapolis, Ind., a Corporation of Indiana, assignee.

45,344. BREAKFAST CEREAL FOODS. Registered August 15, 1905. THE TOPEKA MILLING COMPANY, Topeka, Kans. Renewed August 15, 1925, to Aunt Jemima Mills Company, St. Joseph, Mo., a Corporation of Delaware, assignee by mesne assignments.

45,421. TIMOTHY SEED. Registered August 15, 1905. D. I. BUSHNELL & CO., St. Louis, Mo. Renewed August 15, 1925.

45,443. WELDING COMPOUNDS. Registered August 22, 1905. CORTLAND WELDING COMPOUND CO., Cortland, N. Y., a Corporation of New York. Renewed August 22, 1925.

45,476. A CHEMICAL WELDING COMPOUND. Registered August 22, 1905. CORTLAND WELDING COMPOUND Co., Cortland, N. Y., a Corporation of New York. Renewed August 22, 1925.

45,477. WELDING COMPOUNDS. Registered August 22, 1905. CORTLAND WELDING COMPOUND CO., Cortland, N. Y., a Corporation of New York. Renewed August 22, 1925.

45,596. WATCHCASES AND WATCH MOVEMENTS. Registered August 22, 1905. THE DUEBER WATCH CASE M'FG CO. Renewed August 22, 1925, to The Dueber-Hampden Watch Company, Canton, Ohio, a Corporation of Ohio, assignee.

45,700. LEAD PENCILS. Registered August 29, 1905. EAGLE PENCIL COMPANY. Renewed August 29, 1925, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

45,864. A SPECIFIC FOR KIDNEY AND ANALOGOUS COMPLAINTS. Registered August 29, 1905. FOSTER-MILBURN CO., Buffalo, N. Y., a Corporation of New York. Renewed August 29, 1925.

45,877. HOOKS AND EYES. Registered August 29, 1905. THE DE LONG HOOK & EYE COMPANY. Renewed August 29, 1925, to The De Long Hook & Eye Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

45,879. TOILET SOAP. Registered August 29, 1905. THE CINCINNATI SOAP COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed August 29, 1925.

46,138. STOVES, RANGES, HEATERS, HOT PLATES, FURNACES, AND PARTS THEREOF. Registered September 5, 1905. PITTSBURGH STOVE & RANGE COMPANY, Allegheny, Pa. Renewed September 5, 1925, to Stove and Range Company of Pittsburgh, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

46,157. OLEOMARGARINE. Registered September 5, 1905. THE CAPITAL CITY DAIRY COMPANY. Renewed September 5, 1925, to The Capital City Products Company, Columbus, Ohio, a Corporation of Delaware, assignee.

46,254. CANDY. Registered September 12, 1905. WALTER BROWNLEY. Renewed September 12, 1925, to Brownley's Inc., Washington, D. C., a Corporation of Delaware, assignee.

46,381. LIQUID DRIERS. Registered September 19, 1905. CHAS. H. GILLESPIE & SONS. Renewed September 19, 1925, to Gillespie Varnish Company, Jersey City, N. J., a Corporation of New Jersey, assignee.

46,401. STOVES, RANGES, HEATERS, FURNACES, AND PARTS THEREOF. Registered September 19, 1905. Pittsburgh Stove & Range Company, Allegheny, Pa. Renewed September 19, 1925, to Stove and Range Company of Pittsburgh, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

46,418. WHEAT FLOUR. Registered September 19, 1905. BILL, BELL & CO. Renewed September 19, 1925, to Bill, Bell & Co. Inc., Ogdensburg, N. Y., a Corporation of New York, successor.





46,423. BOILERS. Registered September 19, 1905. GURNEY HEATER MANUFACTURING COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed September 19, 1925.

46,438. REMEDY FOR DISEASES OF THE BLOOD, LIVER, KIDNEYS, AND STOMACH. Registered September 19, 1905. THE KICKAPOO INDIAN MEDICINE CO., Clintonville, Conn. Renewed September 19, 1925, to Kickapoo Indian Medicine Co., Incorporated, New York, N. Y., a Corporation of Pennsylvania, assignee.

46,502. STOVES AND RANGES. Registered September 26, 1905. ANCHOR STOVE & RANGE COMPANY, INCORPORATED, New Albany, Ind., and Louisville, Ky., a Corporation of Indiana. Renewed September 26, 1925.

46,524. STOVES, RANGES, HEATERS, GAS BURNERS, HOT PLATES, AND PARTS THEREOF. Registered September 26, 1905. PITTSBURGH STOVE & RANGE COMPANY, Allegheny, Pa. Renewed September 26, 1925, to Stove and Range Company of Pittsburgh, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

46,527. CIGARS. Registered September 26, 1905. JOHN P. STEWART, Chicago, Ill. Renewed September 26, 1925.

46,548. ADJUSTABLE SCREW WRENCHES. Registered September 26, 1905. COES WRENCH CO., Worcester, Mass., a Corporation of Massachusetts. Renewed September 26, 1925.

46,552. LAXATIVES. Registered September 26, 1905. FOSTER-MILBURN CO., Buffalo, N. Y., a Corporation of New York. Renewed September 26, 1925.

46,641. A MANUFACTURED SUBSTITUTE FOR COD-LIVER OIL. Registered September 26, 1905. THE DANBURY PHARMACAL COMPANY. Renewed September 26, 1925, to The Kerr Chemical Company, Danbury, Conn., a Corporation of Connecticut, successor.

46,674. PLAYING CARDS. Registered October 3, 1905. THE UNITED STATES PLAYING CARD CO., Cincinnati, Ohio. Renewed October 3, 1925, to Standard Playing Card Co., Chicago, Ill., a Corporation of New Jersey, assignee.

46,822. STRAW HATS. Registered October 10, 1905. BRIGHAM-HOPKINS COMPANY, Baltimore, Md., a Corporation of Maryland. Renewed October 10, 1925.

46,827. LIQUID PURGATIVE COMPOUNDS. Registered October 10, 1905. CALIFORNIA FIG SYRUP CO., San Francisco, Calif. Renewed October 10, 1925, to Sterling Products (Incorporated), Wheeling, W. Va., a Corporation of West Virginia, assignee.

46,894. WHEAT FLOUR. Registered October 17, 1905. PHOENIX FLOUR MILL, Evansville, Ind., a Corporation of Indiana. Renewed October 17, 1925.

46,947. BITUMINOUS CEMENT OR CEMENT COMPOSITION. Registered October 17, 1905. WARREN BROTHERS COMPANY, Boston, Mass., a Corporation of West Virginia. Renewed October 17, 1925.

47,177. ADJUSTABLE SCREW WRENCHES. Registered October 31, 1905. COES WRENCH CO., Worcester, Mass., a Corporation of Massachusetts. Renewed October 31, 1925.

47,237. FILLED GELATIN CAPSULES. Registered October 31, 1905. JOHN RUTGERT PLANTEN, New York, N. Y. Renewed October 31, 1925, to H. Planten & Son, Inc., Brooklyn, N. Y., a Corporation of New York, assignee.

47,330. STEAM AND HOT-WATER BOILERS FOR HEATING APPARATUS. Registered October 31, 1905. GURNEY HEATER MANUFACTURING COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed October 31, 1925.

47,425. DESKS AND TYPEWRITER CABINETS. Registered November 7, 1905. HORROCKS DESK CO., Herkimer, N. Y., a Corporation of New York. Renewed November 7, 1925.

47,442. CIGARS. Registered November 7, 1905. JOSEPH WEINREICH. Renewed November 7, 1925, to David J. Weinreich, doing business as Joseph Weinreich, Dayton, Ohio, assignee.

47,448. CARBONATING POWDER. Registered November 7, 1905. CHURCH & DWIGHT COMPANY. Renewed November 7, 1925, to Church & Dwight Company, New York, N. Y., a Corporation of Maine, assignee.

47,458. A PHARMACEUTICAL PREPARATION. Registered November 7, 1905. LLOYD BROS. Renewed November 7, 1925, to Lloyd Bros., Pharmacist, Inc., Cincinnati, Ohio, a Corporation of Ohio, assignee.

47,476. BITUMINOUS PAVEMENTS. Registered November 7, 1905. WARREN BROTHERS COMPANY, Boston, Mass., a Corporation of West Virginia. Renewed November 7, 1925.

47,652. GELATIN. Registered November 14, 1905. CHARLES B. KNOX. Renewed November 14, 1925, to Charles B. Knox Gelatine Company, Inc., Johnstown, N. Y., a Corporation of New York, assignee.

47,807. COATED PIPES AND TUBES FOR ELECTRIC CONDUITS. Registered November 21, 1905. SAFETY ARMORITE CONDUIT COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed November 21, 1925.

47,811. SALVE. Registered November 21, 1905. THE KICKAPOO INDIAN MEDICINE CO., Clintonville, Conn. Renewed November 21, 1925, to Kickapoo Indian Medicine Co., Incorporated, New York, N. Y., a Corporation of Pennsylvania, assignee.

47,812. A COUGH CURE. Registered November 21, 1905. THE KICKAPOO INDIAN MEDICINE CO., Clintonville, Conn. Renewed November 21, 1925, to Kickapoo Indian Medicine Co., Incorporated, New York, N. Y., a Corporation of Pennsylvania, assignee.

47,946. BICARBONATE OF SODA, SALERATUS, AND BAKING POWDER. Registered November 28, 1905. CHURCH & DWIGHT COMPANY. Renewed November 28, 1925, to Church & Dwight Company, New York, N. Y., a Corporation of Maine, assignee.

47,947. SALERATUS, BICARBONATE OF SODA, AND SAL SODA. Registered November 28, 1905. CHURCH & DWIGHT COMPANY. Renewed November 28, 1925, to Church & Dwight Company, New York, N. Y., a Corporation of Maine, assignee.

48,267. MUSTARD AND SPICES. Registered December 19, 1905. STICKNEY & POOR SPICE COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed December 19, 1925.

48,419. ACCORDIONS. Registered December 26, 1905. LYON & HEALY. Renewed December 26, 1925, to Lyon & Healy, Inc., Chicago, Ill., a Corporation of Illinois, assignee.

48,439. ELECTRIC SAFETY FUSES. Registered December 26, 1905. D. W. FUSE CO., Providence, R. I., a Corporation of Rhode Island. Renewed December 26, 1925.

48,461. CONDENSED SOUPS. Registered January 2, 1906. JOSEPH CAMPBELL COMPANY. Renewed January 2, 1926, to Campbell Soup Company, Camden, N. J., a Corporation of New Jersey, assignee.

48,478. SHOE DRESSING. Registered January 2, 1906. GEO. E. KEITH COMPANY, Brockton, Mass., a Corporation of Massachusetts. Renewed January 2, 1926.

48,490. LEATHER BOOTS AND SHOES. Registered January 2, 1906. WINGO, ELLETT & CRUMP SHOE CO., Richmond, Va., a Corporation of Virginia. Renewed January 2, 1926.

48,526. CANDY. Registered January 2, 1906. REYMER & BROTHERS INCORPORATED, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed January 2, 1926.

# LABELS

## REGISTERED OCTOBER 13, 1925.

29,307.—*Title:* AGMEL. For a Medicinal Preparation. THE AGMEL CORPORATION, Wilmington, Del., and Los Angeles, Calif. Published February 16, 1925.

29,308.—*Title:* BOYDEN'S. For Honey. A. L. BOYDEN, doing business as The A. L. Boyden Co., Los Angeles, Calif. Published August 10, 1925.

29,309.—*Title:* BRAUNSTEIN'S 100% PURE MALT EXTRACT. For Malt Extract. JACOB BRAUNSTEIN, doing business as Standard Home Supply Store, Akron, Ohio. Published July 1, 1925.

29,310.—*Title:* QFC BRAND COFFEE. For Coffee. F. C. BROWN & COMPANY, Chicago, Ill. Published July 30, 1925.

29,311.—*Title:* CONNECTICUT PALE GINGER ALE. For Ginger Ale. CONNECTICUT GINGER ALE CO., Milford, Conn. Published March 15, 1925.

29,312.—*Title:* MAZZINI. For Malt Sirup. JOSEPH DI SANTO, doing business as Di Santo & Company, Duluth, Minn. Published June 1, 1925.

29,313.—*Title:* LONE STAR. For Coffee. WALTER L. EVANS, doing business as Lone Star Coffee Co., Dallas, Tex. Published May 5, 1925.

29,314.—*Title:* GOLDY & DUSTY THE BROADCAST SOAP FLAKES. For Soap Flakes. GOLD DUST CORPORATION, Jersey City, N. J. Published July 7, 1925.

29,315.—*Title:* JAMAICA PALE. For Ginger Ale. JOHN GRAF CO., Milwaukee, Wis. Published August 31, 1925.

29,316.—*Title:* PRIMROSE PRODUCTS CO. For Hair Tonic. HARRY KAMISON, doing business as Primrose Products Co., Philadelphia, Pa. Published December 10, 1924.

29,317.—*Title:* MARY SWEET. For Candy. MARY SWEET CANDY COMPANY, Washington, D. C. Published September 4, 1925.

29,318.—*Title:* HOME BRAND OLEOMARGARINE. For Oleomargarine. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Standard Nut Margarine Company, Indianapolis, Ind. Published August 29, 1925.

29,319.—*Title:* EVEREADY LANTERN. For Battery Hand Lamps. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published September 1, 1925.

29,320.—*Title:* SUM-CHU. For Chewing Gum. THE NATIONAL GUM CO., INC., Newark, N. J. Published August 21, 1925.

29,321.—*Title:* BASE BALL THE NATIONAL GAME—BALL GUM THE NATIONAL CHEW. For Chewing Gum. THE NATIONAL GUM CO., INC., Newark, N. J. Published August 21, 1925.

29,322.—*Title:* TRIED AND TRUE. For Shirts. NEELEY, HARWELL & CO., Nashville, Tenn. Published September 19, 1925.

29,323.—*Title:* SUNBURST. For Hosiery. NEELEY, HARWELL & CO., Nashville, Tenn. Published September 19, 1925.

29,324.—*Title:* TOP NOTCH. For Oranges. OSBORNE FRUIT & VEGETABLE CO., Fullerton, Calif. Published May 1, 1925.

29,325.—*Title:* I X L. For Oranges. OSBORNE FRUIT & VEGETABLE CO., Fullerton, Calif. Published May 1, 1925.

29,326.—*Title:* OSBORNE. For Oranges. OSBORNE FRUIT & VEGETABLE CO., Fullerton, Calif. Published May 1, 1925.

29,327.—*Title:* AMA-LAC AUTOMOBILE LACQUER. For Automobile Lacquer. PACIFIC LACQUER & VARNISH CO., Los Angeles, Calif. Published August 12, 1925.

29,328.—*Title:* GOLD BOND. For Bread. S. M. PHILLIPS, San Francisco, Calif. Published July 14, 1925.

29,329.—*Title:* PORTAGE. For Butter. PORTAGE CO-OPERATIVE CREAMERY ASSOCIATION, Portage, Wis. Published August 15, 1925.

29,330.—*Title:* KANT-KICK. For Spark-Control and Starter Switches. RAPP & CHENEY COMPANY, Los Angeles, Calif. Published June 2, 1925.

29,331.—*Title:* FIRESIDE BROOMS. For Brooms. S. A. RIPPLE & BROS., Westport, Baltimore, Md. Published August 19, 1925.

29,332.—*Title:* SOUTH AFRICAN PINEAPPLE CHUNKS. For Pineapple Chunks. MAX A. SCHLESINGER, New York, N. Y., assignor to African Canning & Packing Corporation Limited, Port Elisabeth, South Africa. Published June 9, 1925.

29,333.—*Title:* SILVRAY. For Electrical Lamps. SILVRAY CO. INC., New York, N. Y. Published May 20, 1924.

29,334.—*Title:* RAISIN BRAN. For Breakfast Food. SKINNER MANUFACTURING COMPANY, Omaha, Nebr. Published June 13, 1925.

29,335.—*Title:* BONNYBROOK. For Milk Chocolates Containing Assorted Nuts, Fruits, Etc. STEPHEN F. WHITMAN & SON, INC., doing business as Whitman's, Philadelphia, Pa. Published July 25, 1925.



# PRINTS

## REGISTERED OCTOBER 13, 1925.

8,257.—*Title:* "B. V. D." UNION SUITS ME." For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published August 26, 1925.

8,258.—*Title:* MAPACUBA CIGARS ETC. For Cigars. BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Published June 25, 1925.

8,259.—*Title:* 7 POINT SHIRT SERVICE. For Shirts and Parts Thereof. BERG & WATSON, Philadelphia, Pa. Published September 4, 1925.

8,260.—*Title:* UNCONDITIONALLY GUARANTEED! For Hosiery. CADET KNITTING COMPANY, Philadelphia, Pa. Published August 1, 1925.

8,261.—*Title:* COLUMBIAKNIT. For Swimming Suits. COLUMBIA KNITTING MILLS, Portland, Oreg. Published April 1, 1925.

8,262.—*Title:* PHYSICIANS RECOMMEND IT BECAUSE IT IS ALWAYS THE SAME. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published July 1, 1925.

8,263.—*Title:* A CREAM OF WHEAT MIXTURE USED BY BABY SPECIALISTS. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published September 1, 1925.

8,264.—*Title:* THESE RICH FOOD VALUES IN A BREAKFAST BOWL OF CREAM OF WHEAT. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published August 1, 1925.

8,265.—*Title:* START THE DAY RIGHT WITH BREAKFAST ETC. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published September 4, 1925.

8,266.—*Title:* RADIOGAS. For Gasoline. DUQUESNE GASOLINE & SUPPLY CO., Pittsburgh, Pa. Published April 14, 1925.

8,267.—*Title:* GOLDY DUSTY. For Washing Powder. GOLD DUST CORPORATION, Jersey City, N. J. Published June 17, 1925.

8,268.—*Title:* A WORD OF FIVE LETTERS THAT MEANS FIFTY-SEVEN. For Heins 57 Varieties. H. J. HEINS CO., Pittsburgh, Pa. Published May 1, 1925.

8,269.—*Title:* KAY-EL. For Vaults. THE KAY-EL MANUFACTURING COMPANY, Chicago, Ill. Published August 25, 1925.

8,270.—*Title:* QUALITY FOREVER-MOORE. For Paints, Varnishes, and Muresco. BENJAMIN MOORE & CO., Jersey City, N. J., and Brooklyn, N. Y. Published June 8, 1925.

8,271.—*Title:* MOHAWK ELECTRIC M'F'G. CO. For Fire-Alarm and Radio-Apparatus Devices. E. H. ROLLINSON, doing business as Mohawk Electric Manufacturing Company, Newark, N. J. Published July 16, 1925.

8,272.—*Title:* THE EASY WRITING ROYAL TYPEWRITER. For Typewriting Machines. ROYAL TYPEWRITER COMPANY INC., New York, N. Y. Published August 6, 1925.

8,273.—*Title:* MYSTIKUM PARFUM. For Toilet Articles and Perfumery. SCHERK IMPORTING COMPANY, New York, N. Y. Published May 25, 1925.

8,274.—*Title:* AMERICA'S BEST CARTONS. For Paper Cartons. SEPTON MANUFACTURING CORPORATION, Chicago, Ill. Published June 20, 1925.

8,275.—*Title:* DISPLAYING A PRODUCT. For Paper Cartons. SEPTON MANUFACTURING CORPORATION, Chicago, Ill. Published September 1, 1925.

8,276.—*Title:* URBAN'S SELF RISING UP AN UP FLOUR. For Flour. GEORGE URBAN MILLING CO., Buffalo, N. Y. Published August 1, 1925.

# REISSUES

## OCTOBER 13, 1925.

16,184. TURNTABLE. MAURICE L. HOEFFKEN, Belleville, Ill. Filed Nov. 3, 1923. Serial No. 672,671. Original No. 1,428,090, dated Sept. 5, 1922, Serial No. 559,291, filed May 8, 1922. 8 Claims. (Cl. 104—44.)

8. A vehicle turntable provided with a stationary base, a table revolubly mounted on said base, and a pair of tracks tiltably supported by said table, said tracks themselves serving as a ramp for a vehicle mounting or leaving them at either end and in any position of the table.

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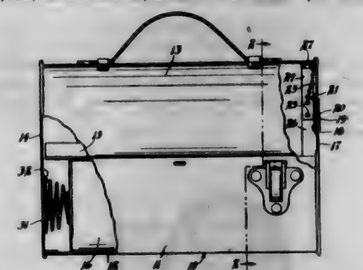
16,185. LUNCH KIT. JOSEPH G. NIKART, Virginia, Minn. Filed Feb. 11, 1925. Serial No. 8,564. Original No. 1,460,108, dated June 26, 1923, Serial No. 567,611, filed June 12, 1922. 6 Claims. (Cl. 206—4.)



1. A lunch kit comprising an outer shell, a container fitted into the outer shell, a handle for withdrawing the container from the outer shell, means connected with the handle and actuated upon movement thereof into withdrawing position to unlock said container within the shell, auxiliary locking means to hold the device in assembled position, and means for urging the container out of the shell when the locking means is released and said handle raised.

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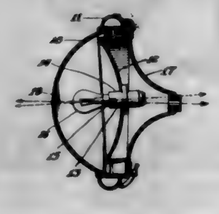
16,186. VEHICLE LAMP. WALTER D'ARCY RYAN, Schenectady, N. Y. Filed Sept. 5, 1924. Serial No. 736,175. Original No. 1,484,309, dated Feb. 19, 1924, Serial No. 677,404, filed Nov. 28, 1923. 8 Claims. (Cl. 240—41.)



8. A headlight for motor vehicles comprising a source of light, a transparent outwardly bulging closure receiving substantially all the laterally emitted light from said source and transmitting it in a direction substantially at right angles to the axis of the headlight, and a shallow concave reflector positioned in relation to the source of light so as to reflect a concentrated beam of light through said closure in a forward direction, said closure being positioned in advance of said reflector and having its marginal portion facing the filament of said source of light.

# DESIGNS

## OCTOBER 13, 1925.

68,418. COMBINED ELECTRIC HEATER CASING AND STANDARD. WILFRED BARNES, Forest Park, Ill., assignor to Edison Electric Appliance Company, Inc., Chicago, Ill., a Corporation of New York. Filed July 25, 1924. Serial No. 10,261. Term of patent 14 years.

The ornamental design for a combined electric heater casing and standard substantially as shown.

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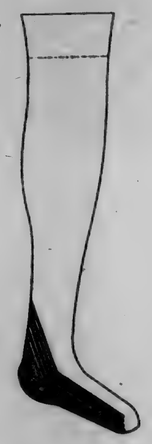
68,419. STOCKING. STANLEY L. BELLEMERE, Reading, Pa., assignor to Schulze Dyeing Company, Reading, Pa., a Corporation of Pennsylvania. Filed Oct. 31, 1924. Serial No. 11,239. Term of patent 3½ years.



The ornamental design for a stocking, as shown and described.



68,420. RADIO LOUD SPEAKER. THADEUS BOSE, Camden, N. J., assignor to Astral Radio Corporation, a Corporation of Pennsylvania. Filed July 28, 1925. Serial No. 14,248. Term of patent 14 years.

The ornamental design for a radio loud speaker, substantially as shown.

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68,421. BACK OF A MIRROR OR SIMILAR ARTICLE. CHARLES F. BOSTOCK, Little Silver, N. J., assignor to La Pierre Manufacturing Company, Newark, N. J., a Corporation. Filed July 9, 1925. Serial No. 14,039. Term of patent 7 years.

The ornamental design for a back of a mirror or similar article as shown.



68,422. GLASS GOBLET OR SIMILAR ARTICLE. EDGAR MOTT BOTTOMS, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed July 29, 1925. Serial No. 14,248. Term of patent 14 years.

The ornamental design for a glass goblet or similar article, as shown.

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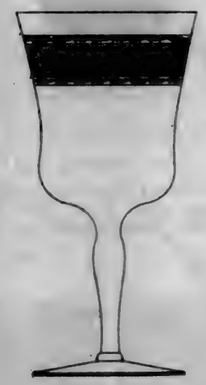
68,423. GLASS GOBLET OR SIMILAR ARTICLE. EDGAR MOTT BOTTOMS, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed July 29, 1925. Serial No. 14,249. Term of patent 14 years.

The ornamental design for a glass goblet or similar article, as shown.

68,424. GLASS GOBLET OR SIMILAR ARTICLE. EDGAR MOTT BOTTOMS, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed July 29, 1925. Serial No. 14,250. Term of patent 14 years.



The ornamental design for a glass goblet or similar article, as shown.

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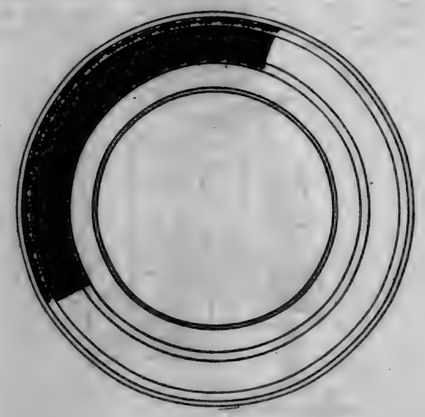
68,425. PLATE OR SIMILAR ARTICLE. EDGAR MOTT BOTTOMS, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed July 29, 1925. Serial No. 14,251. Term of patent 14 years.



The ornamental design for a plate or similar article, as shown.

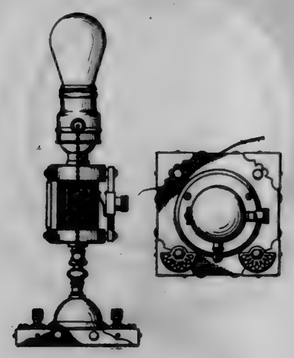
68,426. BOWL OR SIMILAR ARTICLE. DUNCAN GEORGE CLARK, London, Ontario, Canada, assignor to The McClary Manufacturing Company, London, Canada. Filed Nov. 7, 1924. Serial No. 11,314. Term of patent 7 years.

The ornamental design for a bowl or similar article as shown.

68,427. CASING FOR A HEATING APPLIANCE. JOHN P. CLUBEY, New York, N. Y. Filed May 23, 1925. Serial No. 13,541. Term of patent 3½ years.

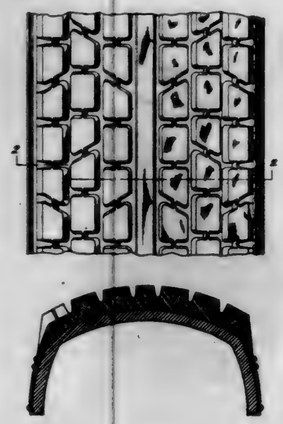
The ornamental design for a casing for a heating appliance, as shown.

68,428. COMBINED RADIORECEIVER AND ELECTRIC LAMP. JOSEPH A. COLLETTE, Kansas City, Mo. Filed Oct. 6, 1924. Serial No. 10,980. Term of patent 3½ years.



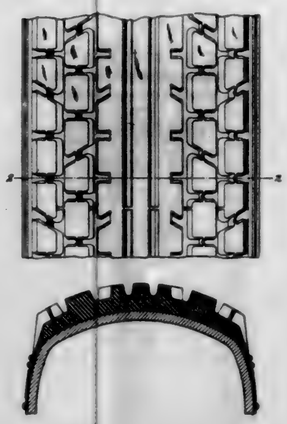
The ornamental design for a combined radioreceiver and electric lamp, as shown.

68,429. TIRE TREAD. JAMES M. CRANE, Buffalo, N. Y. Filed June 5, 1925. Serial No. 13,661. Term of patent 14 years.



The ornamental design for a tire tread, substantially as shown.

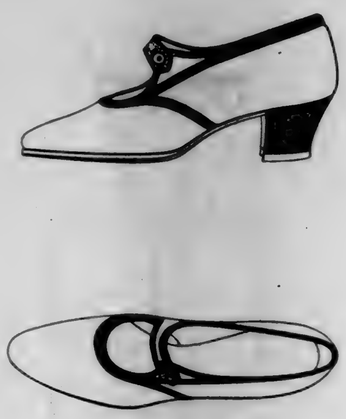
68,430. TIRE TREAD. JAMES M. CRANE, Buffalo, N. Y. Filed June 23, 1925. Serial No. 13,865. Term of patent 14 years.



The ornamental design for a tire tread substantially as shown.

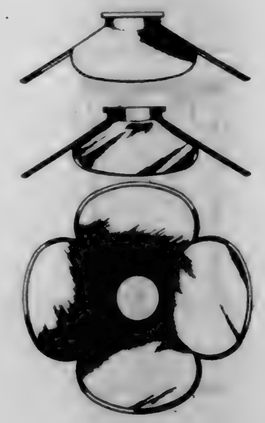


68,431. SHOE. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., New York, N. Y., a Corporation of New York. Filed June 30, 1925. Serial No. 13,961. Term of patent 3½ years.



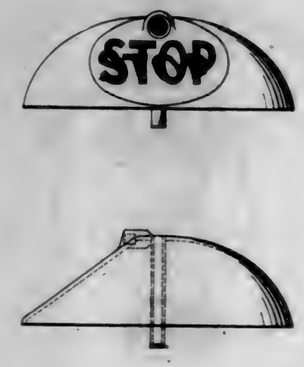
The ornamental design for a shoe, as shown.

68,432. REFLECTOR. GENNARO DE BELLIS, Philadelphia, Pa. Filed Apr. 9, 1925. Serial No. 13,081. Term of patent 14 years.



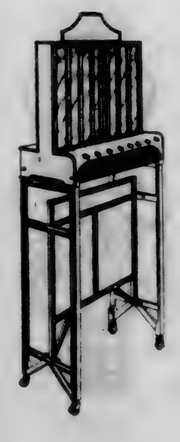
The ornamental design for a reflector, as shown.

68,433. TRAFFIC SIGNAL. GEORGE LINCOLN ESTES, Oklahoma City, Okla., assignor of one-half to O. C. Strode, Oklahoma City, Okla. Filed Sept. 5, 1924. Serial No. 10,688. Term of patent 14 years.




The ornamental design for a traffic signal, as shown.

68,434. VENDING-MACHINE CASING. BENJAMIN L. FRY, St. Louis, Mo. Filed Aug. 7, 1925. Serial No. 14,389. Term of patent 14 years.



The ornamental design for a vending machine casing as shown.

68,435. DOLL. LEON GOODMAN, Philadelphia, Pa. Filed July 27, 1925. Serial No. 14,235. Term of patent 3½ years.

The ornamental design for a doll, substantially as shown.

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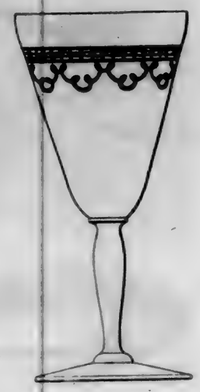
68,436. DOLL. LEON GOODMAN, Philadelphia, Pa. Filed July 27, 1925. Serial No. 14,236. Term of patent 3½ years.

The ornamental design for a doll, substantially as shown.

68,437. GLASS GOBLET OR SIMILAR ARTICLE. FRANK D. GREENAN, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed Aug. 7, 1925. Serial No. 14,237. Term of patent 14 years.



The ornamental design for a glass goblet or similar article, as shown.

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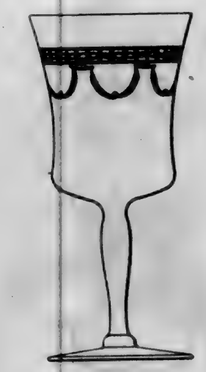
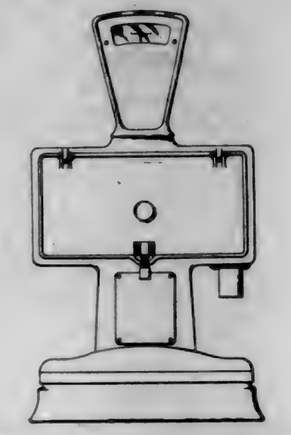
68,438. GLASS GOBLET OR SIMILAR ARTICLE. FRANK D. GREENAN, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed Aug. 7, 1925. Serial No. 14,238. Term of patent 14 years.



The ornamental design for a glass goblet or similar article, as shown.

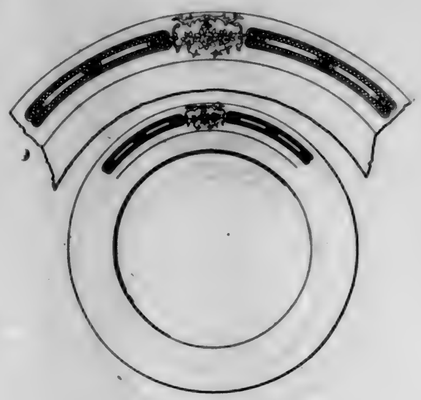


68,439. WEIGHING SCALE. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 27, 1920. Serial No. 433,498. Term of patent 14 years.



The ornamental design for a weighing scale as shown.

68,440. PLATE OR SIMILAR ARTICLE. TSUJI KOTATO, New York, N. Y. Filed Dec. 29, 1921. Serial No. 525,777. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

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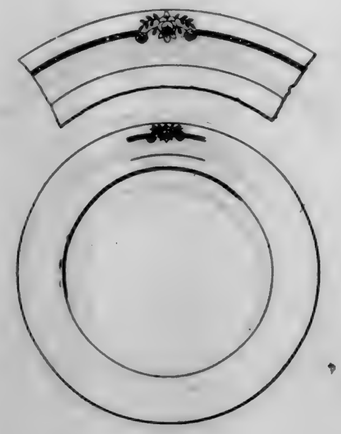
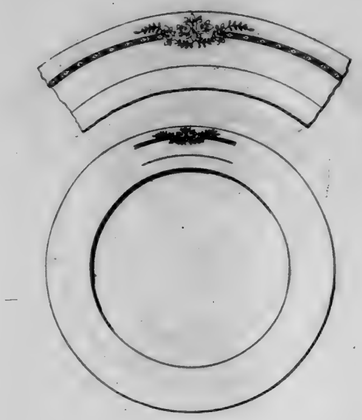
68,441. PLATE OR SIMILAR ARTICLE. TSUJI KOTATO, New York, N. Y. Filed Dec. 29, 1921. Serial No. 525,779. Term of patent 7 years.



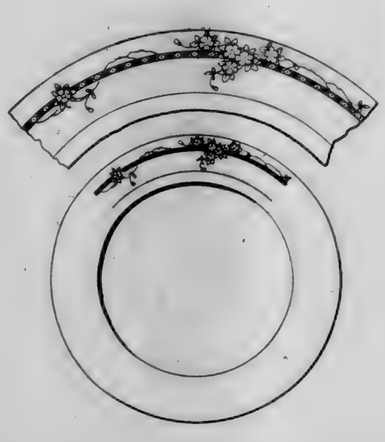
The ornamental design for a plate or similar article, as shown.

68,442. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y. Filed Dec. 29, 1921. Serial No. 525,780. Term of patent 7 years.



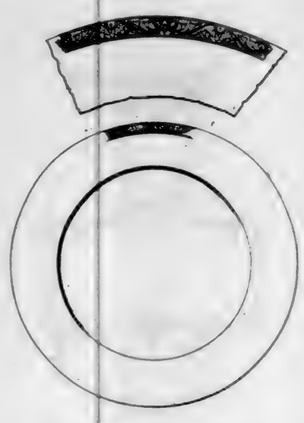
The ornamental design for a plate or similar article, as shown.

68,443. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y. Filed Dec. 29, 1921. Serial No. 525,781. Term of patent 7 years.



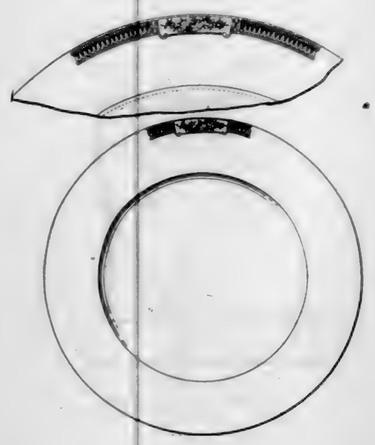
The ornamental design for a plate or similar article as shown.

68,444. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed June 12, 1922. Serial No. 2,641. Term of patent 7 years.



The ornamental design for a plate or similar article as shown.

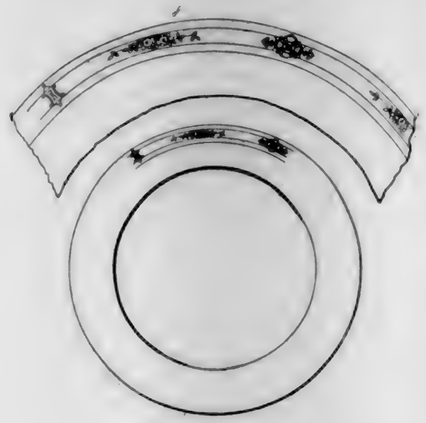
68,445. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed June 12, 1922. Serial No. 2,642. Term of patent 7 years.



The ornamental design for a plate or similar article as shown.

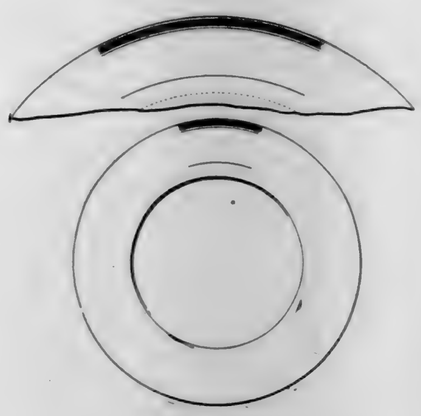


68,446. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed June 12, 1922. Serial No. 2,643. Term of patent 7 years.



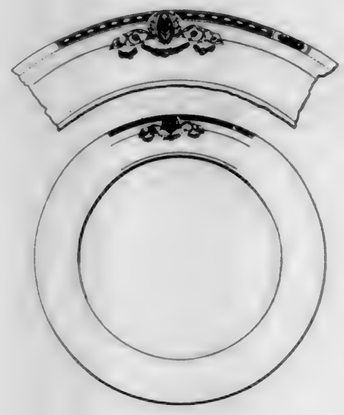
The ornamental design for a plate or similar article as shown.

68,447. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed June 12, 1922. Serial No. 2,644. Term of patent 7 years.



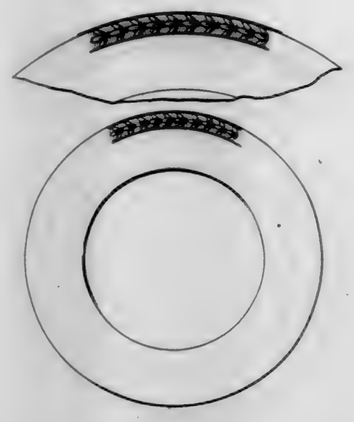
The ornamental design for a plate or similar article as shown.

68,448. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed June 12, 1922. Serial No. 2,645. Term of patent 7 years.



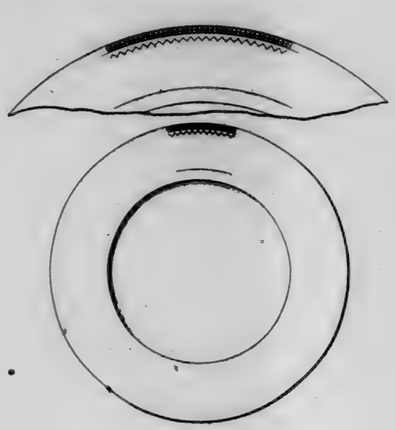
The ornamental design for a plate or similar article as shown.

68,449. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed June 12, 1922. Serial No. 2,646. Term of patent 7 years.



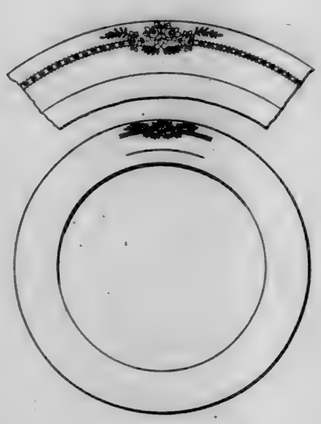
The ornamental design for a plate or similar article as shown.

68,450. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed June 12, 1922. Serial No. 2,647. Term of patent 7 years.



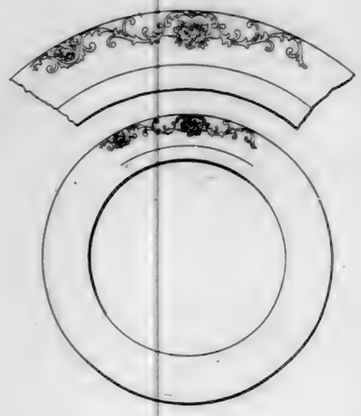
The ornamental design for a plate or similar article as shown.

68,451. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Aug. 18, 1922. Serial No. 3,445. Term of patent 7 years.



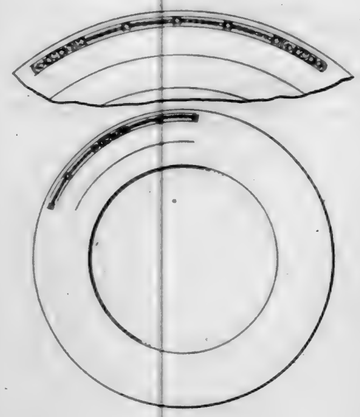
The ornamental design for a plate or similar article as shown.

68,452. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Aug. 18, 1922. Serial No. 3,446. Term of patent 7 years.



The ornamental design for a plate or similar article as shown.

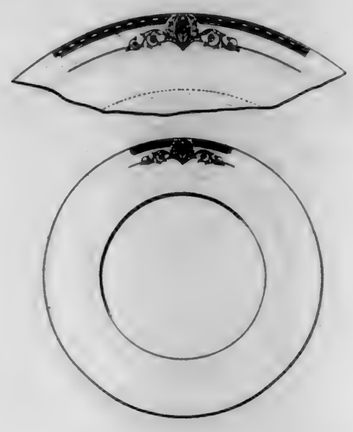
68,453. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Aug. 18, 1922. Serial No. 3,447. Term of patent 7 years.



The ornamental design for a plate or similar article as shown.

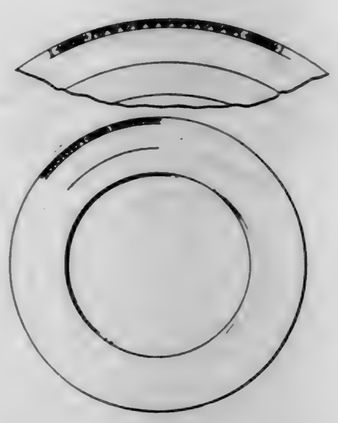


68,454. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Aug. 18, 1922. Serial No. 3,448. Term of patent 7 years.



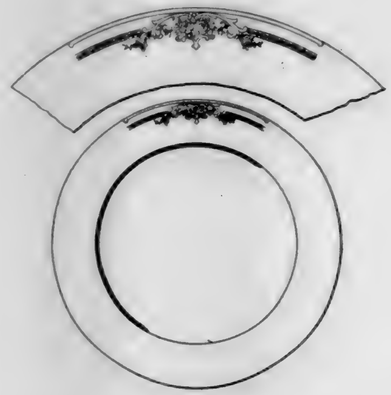
The ornamental design for a plate or similar article as shown.

68,455. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Aug. 18, 1922. Serial No. 3,449. Term of patent 7 years.



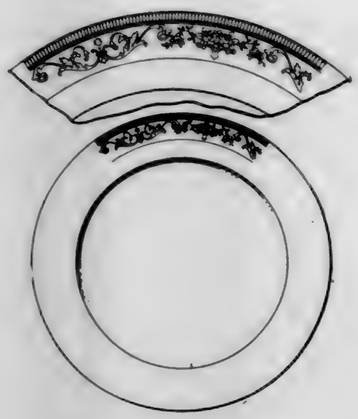
The ornamental design for a plate or similar article as shown.

68,456. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Aug. 18, 1922. Serial No. 3,450. Term of patent 7 years.



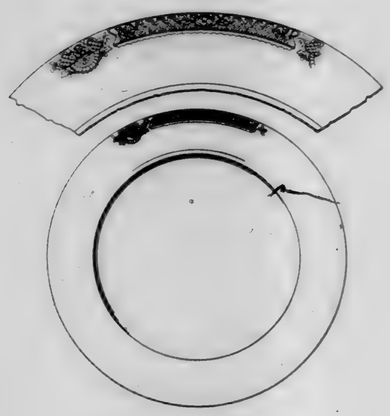
The ornamental design for a plate or similar article as shown.

68,457. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Aug. 18, 1922. Serial No. 3,451. Term of patent 7 years.



The ornamental design for a plate or similar article as shown.

68,458. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Aug. 18, 1922. Serial No. 3,452. Term of patent 7 years.



The ornamental design for a plate or similar article as shown.

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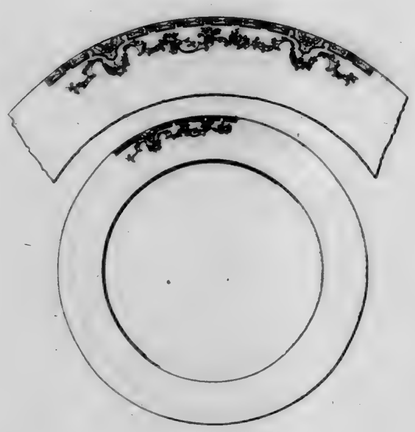
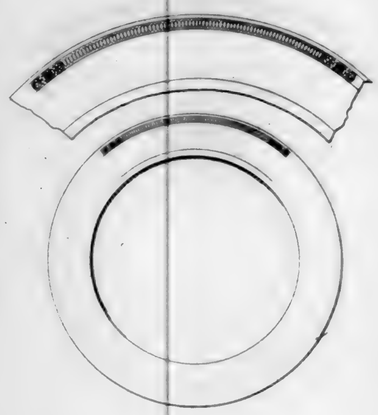
68,459. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Jan. 2, 1923. Serial No. 4,784. Term of patent 7 years.



The ornamental design for a plate or similar article as shown.

68,460. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Jan. 2, 1923. Serial No. 4,786. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

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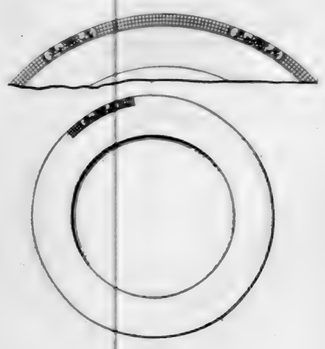
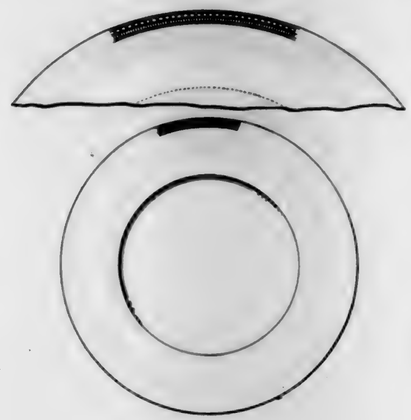
68,461. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Jan. 2, 1923. Serial No. 4,787. Term of patent 7 years.



The ornamental design for a plate or similar article as shown.



68,464. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed July 6, 1923. Serial No. 6,715. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

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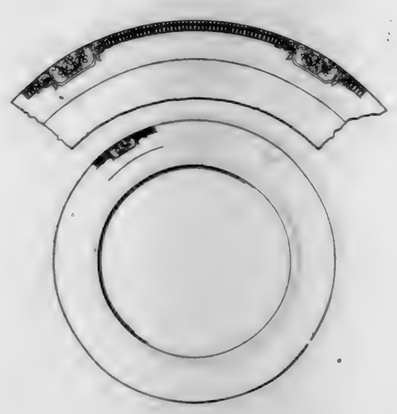
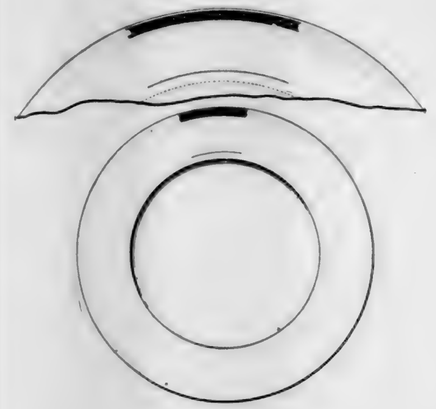
68,463. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed July 6, 1923. Serial No. 6,716. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

68,464. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed July 6, 1923. Serial No. 6,717. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

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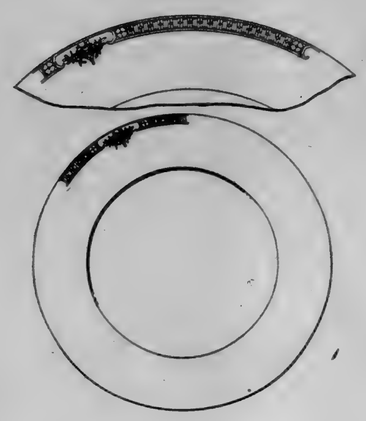
68,465. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed July 6, 1923. Serial No. 6,718. Term of patent 7 years.

The ornamental design for a plate or similar article, as shown.

68,466. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed July 6, 1923. Serial No. 6,719. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

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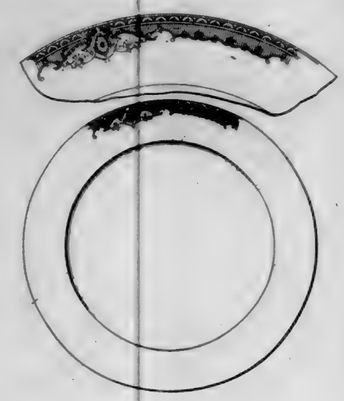
68,467. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed July 6, 1923. Serial No. 6,720. Term of patent 7 years.

The ornamental design for a plate or similar article, as shown.

68,468. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed July 6, 1923. Serial No. 6,721. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

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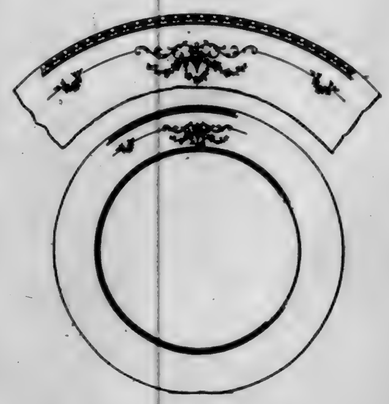
68,469. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed July 6, 1923. Serial No. 6,722. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.



68,470. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed July 6, 1923. Serial No. 6,723. Term of patent 7 years.

The ornamental design for a plate or similar article, as shown.

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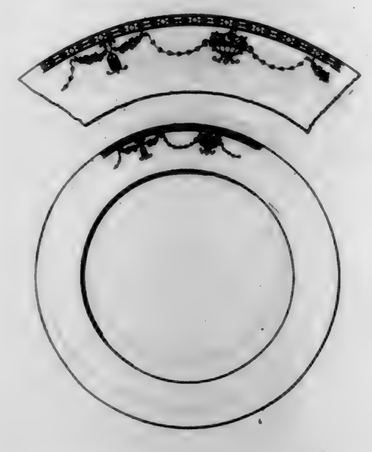
68,471. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed July 6, 1923. Serial No. 6,724. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

68,472. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Sept. 18, 1923. Serial No. 7,245. Term of patent 7 years.

The ornamental design for a plate or similar article, as shown.

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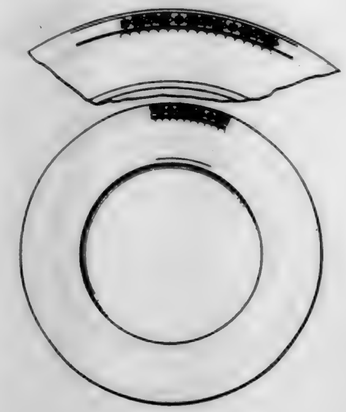
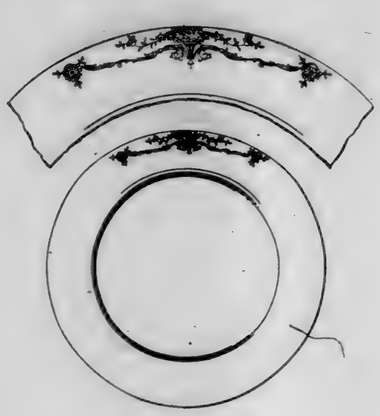
68,473. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Sept. 18, 1923. Serial No. 7,246. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

68,474. PLATE OR SIMILAR ARTICLE. TSUJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Sept. 18, 1923. Serial No. 7,247. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

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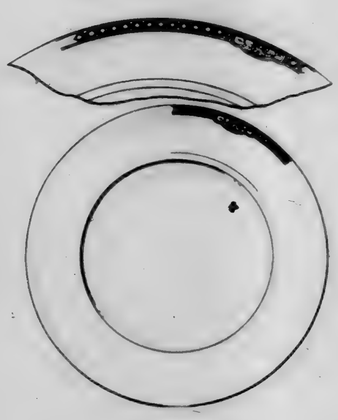
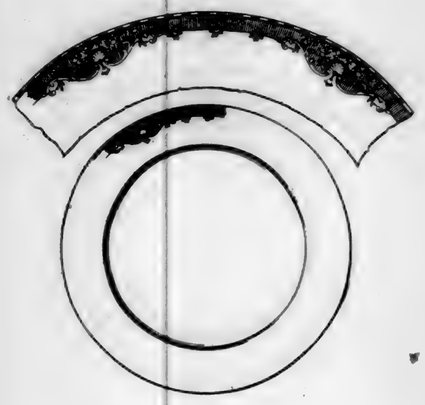
68,475. PLATE OR SIMILAR ARTICLE. TSUJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Sept. 18, 1923. Serial No. 7,248. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

68,476. PLATE OR SIMILAR ARTICLE. TSUJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Sept. 18, 1923. Serial No. 7,249. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

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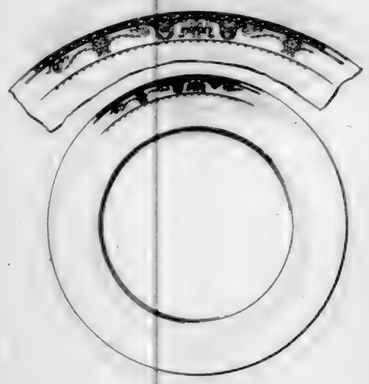
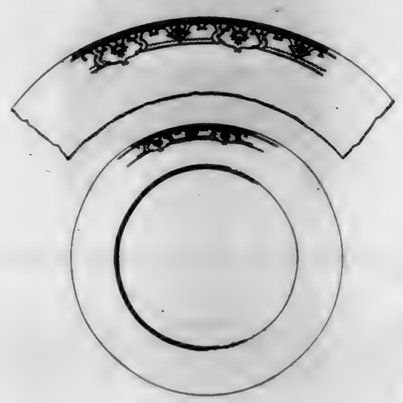
68,477. PLATE OR SIMILAR ARTICLE. TSUJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Sept. 18, 1923. Serial No. 7,250. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.



68,478. PLATE OR SIMILAR ARTICLE. TSUJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Sept. 18, 1923. Serial No. 7,251. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

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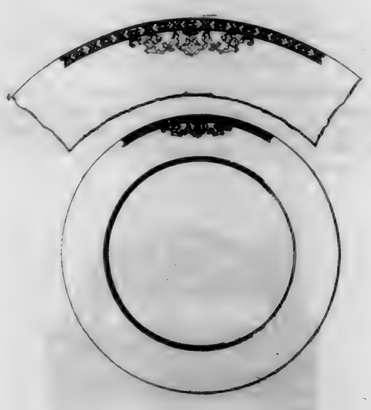
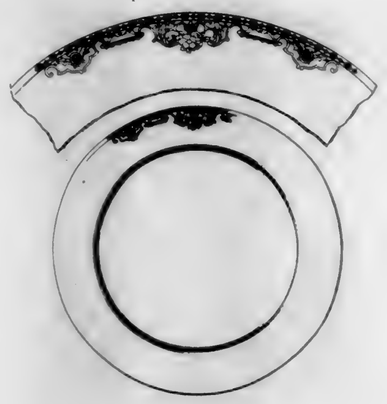
68,479. PLATE OR SIMILAR ARTICLE. TSUJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Sept. 18, 1923. Serial No. 7,252. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

68,480. PLATE OR SIMILAR ARTICLE. TSUJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Sept. 18, 1923. Serial No. 7,253. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

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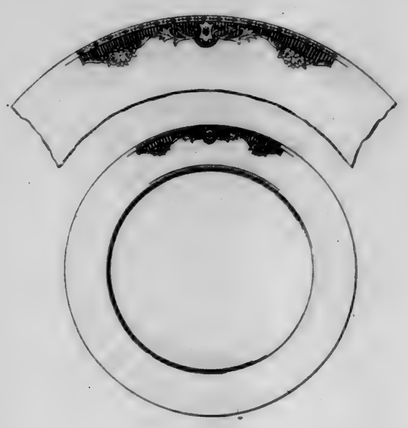
68,481. PLATE OR SIMILAR ARTICLE. TSUJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Sept. 18, 1923. Serial No. 7,254. Term of patent 7 years.

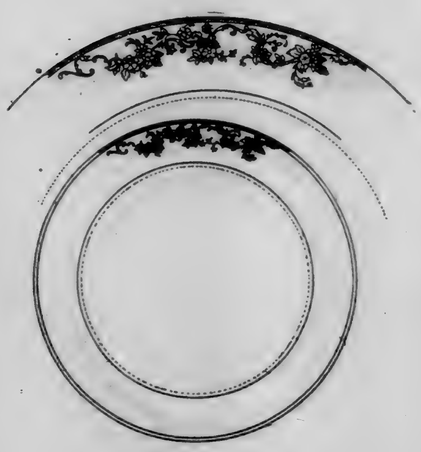
The ornamental design for a plate or similar article, as shown.

68,482. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a Corporation of Japan. Filed Sept. 18, 1923. Serial No. 7,255. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

68,483. PLATE OR SIMILAR ARTICLE. TEIJI KOTATO, New York, N. Y. Filed Feb. 23, 1924. Serial No. 8,704. Term of patent 7 years.

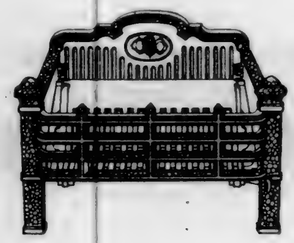


The ornamental design for a plate or similar article, as shown.

68,484. FIREPLACE BASKET. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed July 30, 1925. Serial No. 14,262. Term of patent 7 years.

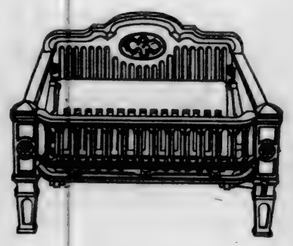
The ornamental design for a fireplace basket, as shown.

68,485. FIREPLACE BASKET. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed July 30, 1925. Serial No. 14,263. Term of patent 7 years.



The ornamental design for a fireplace basket, as shown

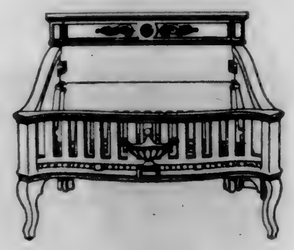
68,486. FIREPLACE BASKET. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed July 30, 1925. Serial No. 14,264. Term of patent 7 years.



The ornamental design for a fireplace basket, as shown.

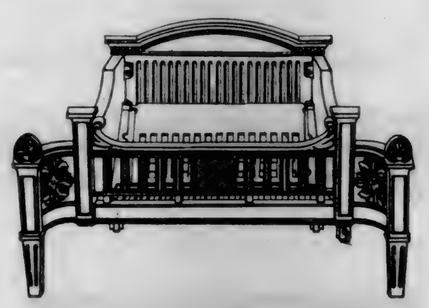


68,487. FIREPLACE BASKET. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed July 30, 1925. Serial No. 14,267. Term of patent 7 years.



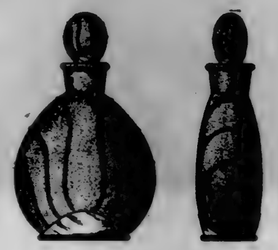
The ornamental design for a fireplace basket, as shown.

68,488. FIREPLACE BASKET. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed July 30, 1925. Serial No. 14,268. Term of patent 7 years.



The ornamental design for a fireplace basket, as shown.

68,489. BOTTLE OR SIMILAR ARTICLE. GRANVY MILLER, Ridgewood, N. J. Filed June 4, 1925. Serial No. 13,651. Term of patent 14 years.

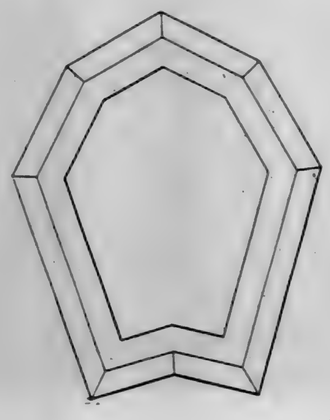


The ornamental design for a bottle or similar article, substantially as shown and described.

68,490. TEXTILE FABRIC. ROBERT J. MURRAY, Philadelphia, Pa., assignor to Francis A. Bruner, Inc., Philadelphia, Pa., a Corporation of New Jersey. Filed July 13, 1925. Serial No. 14,067. Term of patent 7 years.

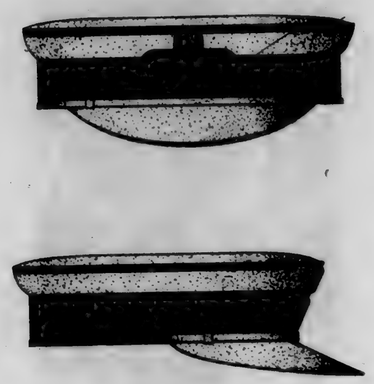
The ornamental design for a textile fabric, substantially as shown.

68,491. PICTURE FRAME. GEORGE H. NEVIUS, Shrewsbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 26, 1923. Serial No. 5,955. Term of patent 7 years.



The ornamental design for a picture frame as shown.

68,492. CAP. JOHN D. ROBBINS, Chicago, Ill. Filed Aug. 20, 1925. Serial No. 14,541. Term of patent 14 years.



The ornamental design for a cap, as shown.

68,493. RADIOREPRODUCER. MAURICE C. RYPINSKI, Yonkers, N. Y. Filed Aug. 6, 1925. Serial No. 14,327. Term of patent 14 years.

The ornamental design for a radioreproducer as shown.

68,494. LAMP STANDARD. FRANK SCHUELER, Yonkers, N. Y., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed July 18, 1925. Serial No. 14,135. Term of patent 7 years.

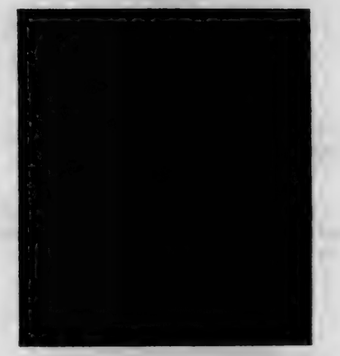
The ornamental design for a lamp standard, as shown.

68,495. TEXTILE FABRIC. EDWARD SCHURMAN, New York, N. Y., assignor to Seneca Textile Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 29, 1925. Serial No. 14,641. Term of patent 3½ years.

The ornamental design for textile fabric, as shown.

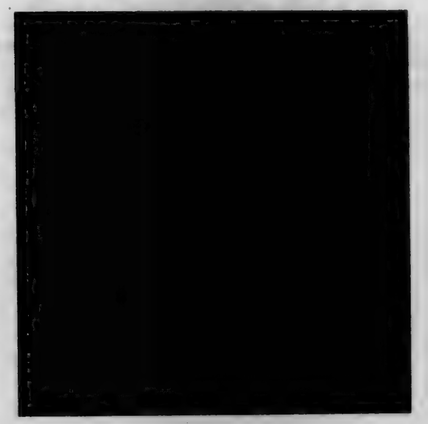


68,496. TEXTILE FABRIC. EDWARD SCHURMAN, New York, N. Y., assignor to Seneca Textile Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 29, 1925. Serial No. 14,642. Term of patent 3½ years.



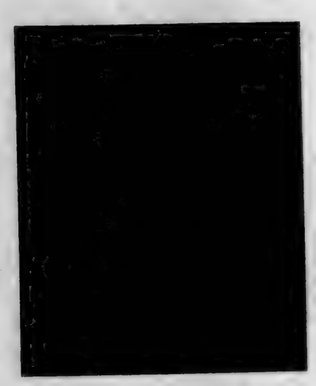
The ornamental design for textile fabric as shown.

68,497. TEXTILE FABRIC. EDWARD SCHURMAN, New York, N. Y., assignor to Seneca Textile Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 29, 1925. Serial No. 14,643. Term of patent 3½ years.



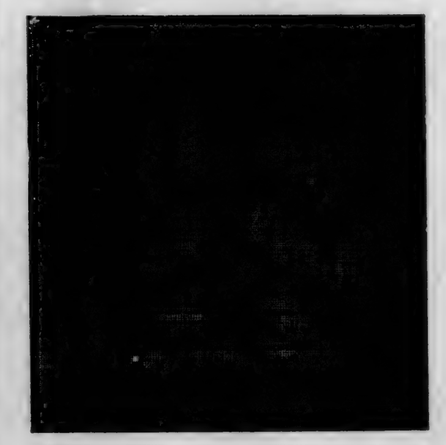
The ornamental design for textile fabric as shown.

68,498. TEXTILE FABRIC. EDWARD SCHURMAN, New York, N. Y., assignor to Seneca Textile Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 29, 1925. Serial No. 14,644. Term of patent 3½ years.



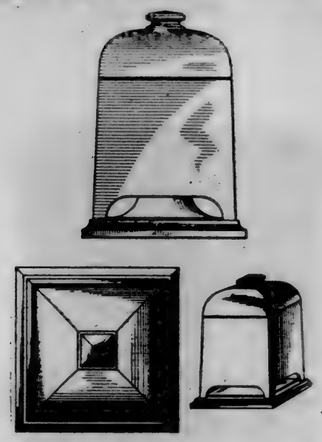
The ornamental design for textile fabric as shown.

68,499. TEXTILE FABRIC. EDWARD SCHURMAN, New York, N. Y., assignor to Seneca Textile Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 29, 1925. Serial No. 14,645. Term of patent 3½ years.



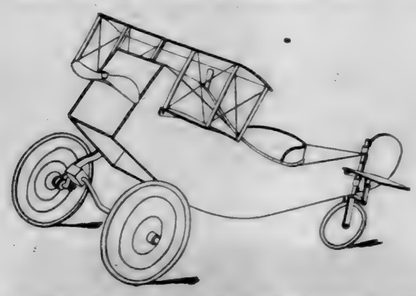
The ornamental design for textile fabric as shown.

68,500. LOUD SPEAKER. LESLIE STEVENS, Glen Ridge, N. J. Filed July 6, 1925. Serial No. 13,995. Term of patent 14 years.



The ornamental design for a loud speaker as shown.

68,501. TOY VEHICLE. ELMER C. VON GLAHN and EARL K. PECK, Corcoran, Calif. Filed Nov. 11, 1924. Serial No. 11,346. Term of patent 3½ years.



The ornamental design for a toy vehicle as shown.

68,502. BUTTON OR SIMILAR ARTICLE. OTTO WITTE, Vineland, N. J., assignor to Grushlaw & Sichel, a Firm composed of George Grushlaw and John Sichel, Germantown, Pa. Filed Sept. 18, 1924. Serial No. 10,825. Term of patent 14 years.

The ornamental design for a button or similar article substantially as shown.

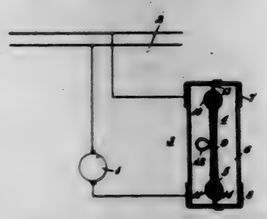
68,503. PANEL FOR BEDSTEAD ENDS. ANTONIO GOVERNALE, Brooklyn, N. Y. Filed Apr. 17, 1925. Serial No. 13,153. Term of patent 3½ years.

The ornamental design for a panel for bedstead ends as shown.

# PATENTS

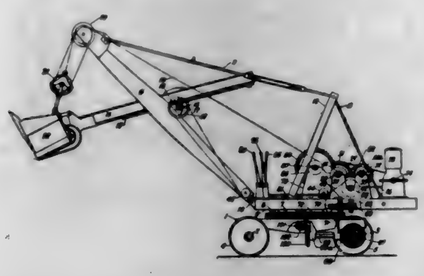
## GRANTED OCTOBER 13, 1925.

1,556,573. THERMAL RELAY AND CUT-OUT. NIELS K. ANDERSEN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 1, 1921. Serial No. 497,476. 8 Claims. (Cl. 200—113.)



1. A thermal relay comprising a closed receptacle containing a conducting material that decreases in volume at its fusing point and means responsive to the temperature thereof for controlling the conductivity of a portion of the material.

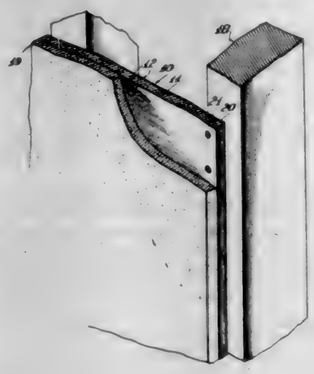
1,556,574. EXCAVATING MACHINE AND THE LIKE. EDWIN J. ARMSTRONG, Erie, Pa., assignor, by direct and mesne assignments, to Erie Steam Shovel Company, Erie, Pa., a Corporation of Pennsylvania. Filed Oct. 26, 1923. Serial No. 670,951. 8 Claims. (Cl. 214—135.)



1. In excavating machines and the like, the combination of an operating shaft; drive shafts gear connected to turn in opposite directions; a wheel on the operating shaft; a crowding shaft; a wheel on the crowding shaft; a driving connection between said wheels; and clutch controlled gear connections between the drive shafts and the wheel on the operating shaft.

1,556,575. PLASTER BOARD. MORGAN K. ARMSTRONG, Winnetka, Ill., assignor, by mesne assignments, to The Beaver Products Company, Inc., a Corporation of New York. Filed Oct. 1, 1921. Serial No. 504,755. 11 Claims. (Cl. 72—124.)

1. A composite board, comprising in combination a body of plaster or the like and covering material adhering to the surface thereof, said covering material having both surfaces of a character to receive and adhere to plaster but arranged to prevent any substantial penetration of moisture therethrough.



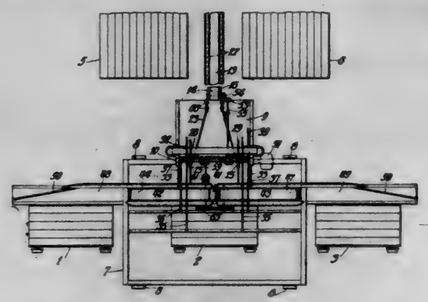
1,556,576. SOAP TABLET AND PROCESS OF MAKING THE SAME. CYRIL J. ATKINSON, Milwaukee, Wis. Filed Apr. 26, 1922. Serial No. 556,675. 3 Claims. (Cl. 87—23.)

1. As a new article of manufacture a porous soap tablet of a size for individual single use, permeated throughout with a dry moisture absorbent material in comminuted form, the particles of said material being held together by the soap in a manner to allow water to promptly permeate the entire mass, said material when wet being adapted to instantly expand and being in sufficient proportion to disintegrate the tablet by such expansion.

1,556,577. CROSSTIE HANDLER. JOHN H. BADE and CARLTON L. KITTLE, Lawrenceburg, Ind., assignors of one-third to Ernest J. Stocking, Evanston, Ill. Filed June 15, 1923. Serial No. 645,494. 23 Claims. (Cl. 214—11.)

1. An apparatus of the class described comprising, in combination, means for receiving cross-ties or the like and delivering them successively to position to be picked up; and loading mechanism including means for picking up the successively presented ties, and a plurality of

selectively operable means to which said ties are delivered by the picking-up means, one of said last named



means adapted for depositing ties sidewise; and means associated with other of said last named means for delivering ties endwise.

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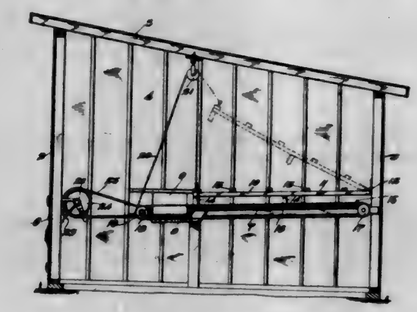
1,556,578. DROP-BOARD CLEANER FOR HENHOUSES. CHRISTIAN D. BAIER, Cissna Park, Ill. Filed May 28, 1925. Serial No. 33,354. 3 Claims. (Cl. 119—22.)



1. In a hen house, a drop board having a trough at its forward end, a roost hinged at its rear end to adapt it to be raised and lowered at its forward end, a cleaner bar movable over the surface of said drop board beneath said roost; and means to simultaneously raise and lower said roost and to move said cleaner bar.

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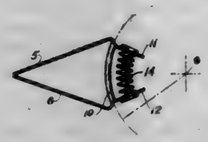
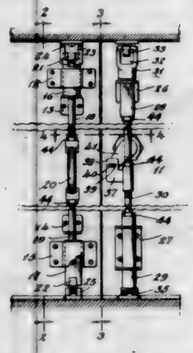
1,556,579. BINDER. LOUIS E. BALTZLEY, Glen Ridge, N. J. Filed Aug. 13, 1921. Serial No. 491,944. 2 Claims. (Cl. 24—68.)



1. A binder comprising cooperating jaw members slidingly connected at the rear by concentrically curved oversliding back portions arranged with the concave faces thereof to the rear of the binder and one having integral confining lips arched over the curved surfaces of the other to hold the curved back portions close together in sliding relation.

1,556,580. LOCK DEVICE. BENJAMIN ALBERT BOOTH, Odessa, Ontario, Canada, assignor of one-half to Nelson E. Booth, Brooklyn, N. Y. Filed June 15, 1922. Serial No. 568,378. 4 Claims. (Cl. 70—74.)



3. A device of the character described including a locking bar having a pair of end members provided with catches, means to slidably mount said locking bar on a door, a member carried by said bar and having a projecting portion, an actuating handle carried by said door, a connection between said bande and projecting portion having a movement relative to the latter and capable of actuating said locking bar when said handle is operated and keepers mounted on the door frame and capable of being engaged by said catches when said door is closed.

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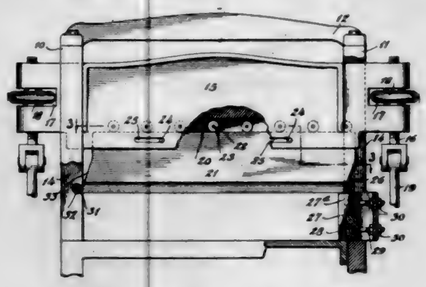
1,556,581. CUTTING MACHINE. NELSON E. BOOTH, Brooklyn, N. Y. Filed Aug. 3, 1922. Serial No. 579,508. 6 Claims. (Cl. 164—53.)



1. In a cutting machine, a frame, a knife carrier mounted for reciprocation therein, means to reciprocate said carrier, a knife slidably mounted within said carrier, said knife provided with an inclined cam surface, a cam block adjustably carried by said frame and having a cooperating inclined cam surface adapted to engage the inclined surface of said knife upon the cutting stroke and move said knife longitudinally of said carrier and resilient means to move said knife longitudinally in the opposite direction upon its upward stroke.

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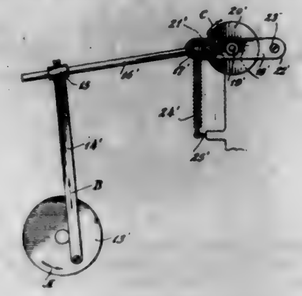
1,556,582. INTERMITTENT FEEDING DEVICE. NELSON E. BOOTH, Brooklyn, N. Y. Filed Aug. 8, 1922. Serial No. 579,509. 1 Claim. (Cl. 74—53.)

In an intermittent feeding device, a shaft, a rotatable feeding wheel provided with a smooth circumferential face mounted on said shaft, a toggle link pivoted upon said shaft, a second toggle link pivotally connected to



the first named toggle link adjacent the circumferential face of said wheel, said second link having a toothed end, and means having one end connected to a fixed



support and its other end to the pivotal connection between said links to normally force said links into alignment and said toothed end into engagement with said wheel.

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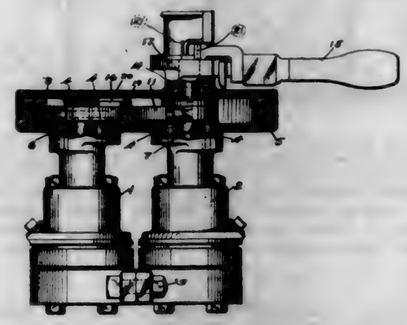
1,556,583. BRAKE AND DOOR CONTROL DEVICE. JOSEPH M. BOSENBURY, Peoria, Ill. Filed Aug. 29, 1923. Serial No. 659,939. 6 Claims. (Cl. 303—52.)



1. The combination with associated valve devices, one for controlling the car doors and the other for controlling the car brakes, of a handle for operating one valve device and an operating connection between said valve devices for operating the other valve device upon movement of said handle to certain positions, said connection being inoperative upon movement of the handle to other positions.

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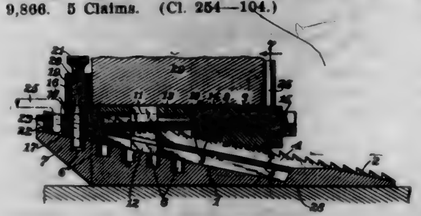
1,556,584. AUTOMATIC WEDGE. LORENZA N. BREEDEN, Montgomery, W. Va. Filed Feb. 17, 1925. Serial No. 9,866. 5 Claims. (Cl. 254—104.)



1. A device of the character described including complementary wedge elements having toothed engaging surfaces, a spring fixed in one of the wedge elements,



the other end of said spring being secured to an adjustable post, said post being slidable in the other wedge element.

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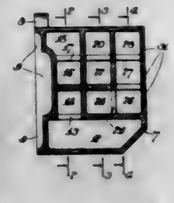
1,556,585. AIR-PREHEATING DEVICE. HERBERT R. BRUNNER, New York, N. Y., assignor to Combustion Specialties Corporation, a Corporation of Delaware. Filed May 29, 1924. Serial No. 716,594. 1 Claim. (Cl. 110—175.)



An air preheating device, comprising a chambered body of substantially rectangular formation having one side thereof of double concave formation, provided in the inner wall of said formation and near one end of said chambered body, with an air inlet port, a passage reservoir extending throughout the bottom part of said chambered body and in communication with said inlet port, means forming ported passages in said chambered body for conducting the air from the passage reservoir first in opposite directions to the top of the body, then in opposite directions toward the bottom of the body, means forming a chamber in the opposite side of the body from the double concave side, the outer wall of said chamber provided throughout its area with discharge vents and means for distributing the heated air evenly to said vents.

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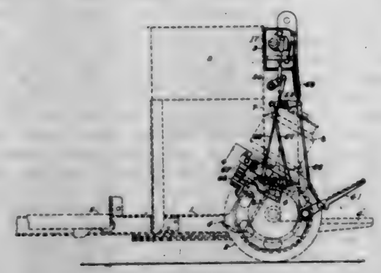
1,556,586. INDUSTRIAL TRUCK. WILLIAM C. CARR, Buffalo, N. Y., assignor to The Automatic Transportation Company, Buffalo, N. Y., a Corporation of Arizona. Filed Jan. 20, 1923. Serial No. 613,944. 31 Claims. (Cl. 172—179.)



1. In an industrial truck, in combination, an electric propelling motor, a source of electrical energy, a reversing switch, a variable resistance element normally in circuit with said motor, switch and source, a short circuiting switch in the circuit of the motor and main switch, a foot operated controlling element, and operative connections between said controlling element and said short circuiting switch and resistance element whereby in either direction of its movement said controlling element operates said resistance element progressively to increase or decrease the resistance and as it approaches or recedes from the limit of its movement

in one direction closes or opens said short circuiting switch, the latter being closed by said controlling element only when the resistance has been reduced to minimum.

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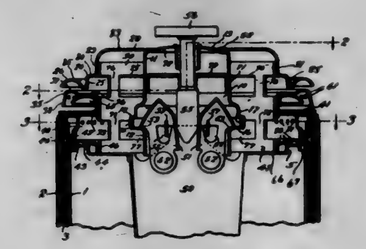
1,556,587. AIR DISTRIBUTOR FOR LIQUID-FUEL BURNERS. LEE S. CHADWICK, Shaker Heights Village, Ohio, assignor to The Cleveland Metal Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 29, 1922. Serial No. 571,672. 13 Claims. (Cl. 158—94.)



13. In combination with a burner of the class described, including inner and outer wick tubes and a supporting spanner situated within the inner wick tube and spaced downwardly from the upper end thereof, the edge portion of the spanner being spaced from the inner tube to provide an air passage, and having its central portion provided with air openings, and an air distributor adapted to repose within the upper end of the burner and rest upon said spanner, said distributor comprising a central tubular element, a top applied to the upper end of the element and extending outwardly therefrom, a tube depending from the top in concentric relation to the tubular element and between the same and the edge portion of the top, a flange carried by and extending outwardly from the tube in spaced relation to said edge portion of the top, and a body surrounding the lower end of the tube and spaced below the flange, said body comprising a peripheral wall that is flanged inwardly at its upper end and enlarged at its lower end to provide an intermediate shoulder, and an annular bottom wall that is formed at its inner edge with a flange that fits and is secured to, the lower end of the tube, the bottom being provided at its outer edge with an annular depressed bead into which the lower edge of the peripheral wall of the body engages and beyond such bead with an upwardly extending flange that is turned inwardly at its upper edge above said shoulder thereby to bind the peripheral wall and the bottom wall of the body together, the bead of the bottom wall forming a seat for engagement with the spanner, and the outer flange of the bottom wall being of lesser diameter than the internal diameter of the inner wick tube whereby a space is provided between said flange and said tube in register with the aforesaid air passage, the bottom wall having air openings and the peripheral wall being provided with a series of apertures above said shoulder, while the aforesaid tube is provided with series of air openings in the plane of the space between the peripheral portion of the top and the flange and in the plane of said body.

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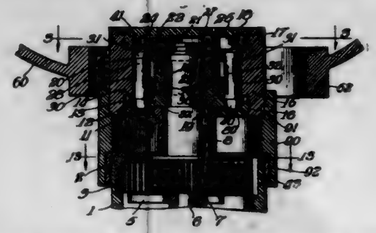
1,556,588. LOCKING MEANS FOR AUTOMOBILES AND THE LIKE. EMIL A. CHRISTOPH, Chicago, Ill. Filed Dec. 12, 1921. Serial No. 521,636. 9 Claims. (Cl. 70—129.)

1. In combination, a steering gear, including a spindle member and wheel member adapted for operative connection, a collar adapted for connection with one of said members, a sleeve adapted for connection with the other of said members, a pair of tumbler members mounted in one of said members and adapted for cooperation with the other to operatively connect the same, said tumbler



members having opposed edges for cooperation with an actuating member, and a tumbler actuating member having cam arms movable between said edges.

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1,556,589. METAL WING SPAR. VIRGINIUS E. CLARK and KENNETH M. LANE, Dayton, Ohio, assignors to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 13, 1922. Serial No. 543,166. 5 Claims. (Cl. 189—37.)

1. A metal spar comprising: tubular longitudinal tension and compression members, struts and diagonal tie members extending therebetween, said tension and compression members each having a flattened portion and cut away at the edge of said flattened portion at spaced points to permit the struts and tie members to extend within said flattened portion for connection thereto.

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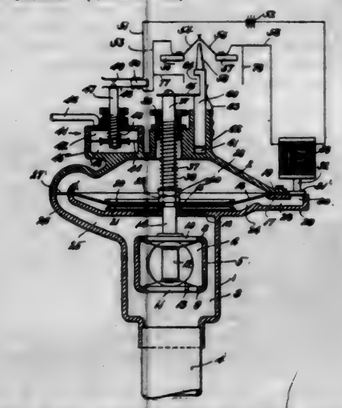
1,556,590. PNEUMATIC POWER CONTROL. JAMES T. COWLEY, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed July 12, 1923. Serial No. 651,064. 20 Claims. (Cl. 243—9.)



1. Power control apparatus for pneumatic dispatch systems comprising a main valve, a motor for operating it, means operative upon the occurrence of a slight decrease in pressure in the system to initiate operation of the motor to open the valve, and independent means operative upon a slight subsequent increase in pressure in the system for initiating operation of the motor to close the valve.



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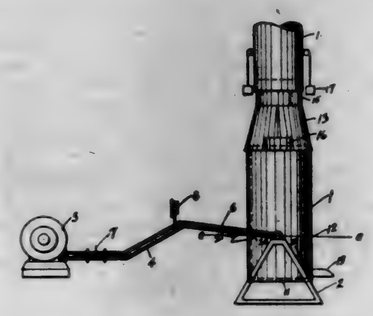
1,556,591. PROCESS FOR MELTING AND REFINING OF NONFERROUS METALS. DANIEL CUSHING, Lowell, Mass., assignor to The Barrett Company, a Corporation of New Jersey. Filed Dec. 7, 1923. Serial No. 679,107. 9 Claims. (Cl. 75—17.)



1. The process which comprises melting a non-ferrous metal while in direct contact with incandescent pitch coke which is substantially free from ash and materials that would have a deleterious effect upon said metal.

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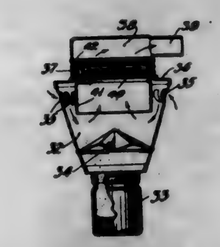
1,556,592. AIR CLEANER. FRANK A. DONALDSON, St. Paul, Minn. Filed Nov. 12, 1921. Serial No. 514,628. 2 Claims. (Cl. 183—67.)



1. A combined gravity and filter-operating dust collector comprising a casing provided at its upper portion with circumferentially spaced air intake passages and provided at its bottom with a dust receptacle, an upper shell to which said casing is detachably secured and from which it depends, and a filter-equipped tube of considerably less diameter than the upper portion of said casing, applied through the top of said casing and extended within said casing to a plane below the air intake passages thereof.

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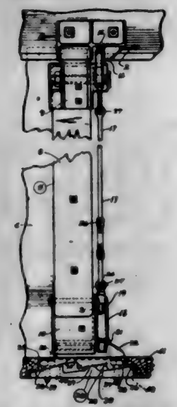
1,556,593. SIDE-DOOR CONSTRUCTION. CARL E. EKLIND and WILLIAM W. DARROW, Chicago, Ill., assignors to Camel Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 24, 1924. Serial No. 751,771. 12 Claims. (Cl. 20—22.)

10. In a car, relatively stationary car structure, a movable jamb, means for locking said jamb to said relatively stationary car structure, said means being located both at the top and bottom of said jamb, and a



member adjustable in length for simultaneously controlling said locking means.

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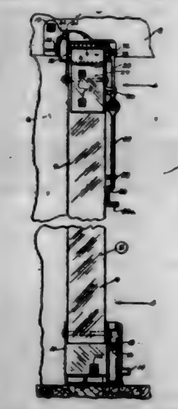
1,556,594. SIDE-DOOR CONSTRUCTION. CARL E. EKLIND, Berwyn, and WILLIAM W. DARROW, Chicago, Ill., assignors to Camel Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 18, 1924. Serial No. 738,325. 11 Claims. (Cl. 20—22.)



2. Car construction, comprising stationarily mounted keeper means, said keeper means providing a latch receiving recess, a movable door-jamb, a casting mounted at an end of said door jamb, said casting having a portion adapted to move into wedging relationship with said keeper means, a rotatable latch member carried by said casting, said latch member having a latch portion adapted to be located within said recess, operating means for said latch member, and common means for guiding said operating means and for supporting said operating means to hold said latch member out of latching position.

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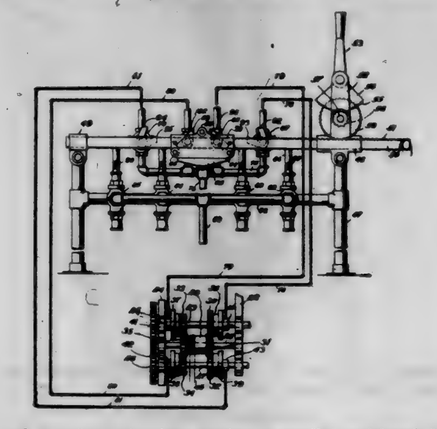
1,556,595. EXCAVATOR-CONTROLLING APPARATUS. WILLIARD R. EWING, Chicago, Ill., assignor to McWilliams Dredging Company, Chicago, Ill., a Corporation of Illinois. Filed June 8, 1923. Serial No. 644,088. 7 Claims. (Cl. 74—59.)

3. In apparatus of the class described, the combination of a rotary member, a forward and a reverse driving shaft for said rotary member, a low speed and a

high speed transmission train between each shaft and said rotary member, a pneumatic clutch mechanism for each train, an air valve for each clutch mechanism, said valves being arranged in a row with those for the clutch mechanism of the low speed trains in the middle;



and a valve actuating member normally positioned between said middle valves and shiftable between said normal position and the ends of said row whereby either high speed train can be connected for operation only after its associated low speed train has been operated.

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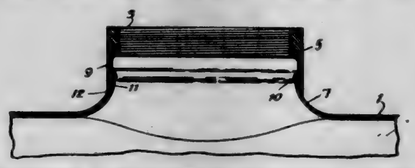
1,556,596. MANHOLE OR LIKE STRUCTURE. ANTHONY B. FEY, Cincinnati, Ohio, assignor to Augustine Davis, jr., Covington, Ky. Filed Mar. 19, 1923. Serial No. 625,938. 1 Claim. (Cl. 220—39.)



A manhole or like construction on a sheet metal tank or shell comprising a tapered flanged-out neck on the shell, and a ring the upper portion of which is of relatively massive section to receive a closure and the lower comparatively thin portion of which is tapered on the inside to a feather edge, said feather-edged lower portion fitting down on the outside of the tapered neck forming a smooth external joint and being connected by a weld on the inside with the upper edge of the neck.

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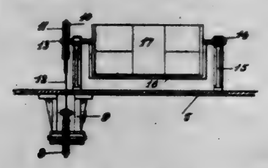
1,556,597. AMUSEMENT DEVICE. RENÉ GIBERT, Paris, France. Filed Apr. 10, 1922. Serial No. 551,305. 2 Claims. (Cl. 272—48.)



2. In an amusement device, a platform having seat supports which project upward from said platform, hangers depending from the under side of the platform, seats maintained in oscillatory engagement with the seat supports, means projecting beyond one of the seat supports to carry and aline a gear with a gear maintained between the depending hangers, connecting means for the gears comprising chains and rods which connect the chains and pass through apertures in the platform, and means for imparting an oscillating motion to the gears during the movement of the platform.

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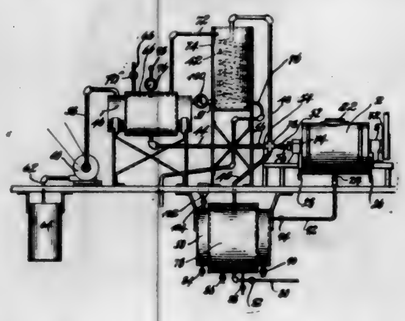
1,556,598. LEATHER-DEGREASING PROCESS. ALBERT J. HANGLIN, Newark, N. J. Filed Dec. 6, 1919, Serial No. 343,065. Renewed Mar. 5, 1925. 1 Claim. (Cl. 87—6.)



That improvement in the art of degreasing raw wet skins or hides of animals and fish, which consists in enclosing the material to be degreased and a readily volatilizable grease solvent in a drum, sealing the drum air tight, raising the temperature of the drum contents to a degree to insure the production of substantial pressure in the drum, the initial temperature of the drum contents being such that the temperature required to produce such pressure will not be so high as to injure the skins or hides, then agitating the drum contents, while maintaining the internal pressure, to effect a solution or emulsion of the grease, and then removing the solvent with its contained grease and water.

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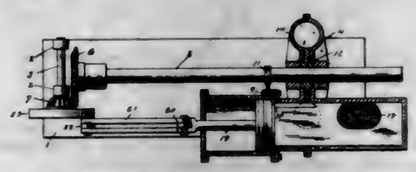
1,556,599. RELAY. HERMAN H. HARBECKE, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 16, 1923. Serial No. 657,660. 8 Claims. (Cl. 188—96.)

1. In a dashpot relay, the combination of a piston with a shouldered piston rod carrying a steel valve ball, said shoulder and ball being spaced to operate loosely a limited distance independent of said piston, thus giving the latter a slight blow at the start of each directive movement, substantially as described.



1,556,600. ROTARY GASOLINE MOTOR. BENJAMIN LOMAX HARDY, Mobile, Ala. Filed June 28, 1924. Serial No. 721,759. 2 Claims. (Cl. 123—14.)



1. A rotary motor including an explosive chamber, a shaft journaled transversely therein, pistons operatively connected with the shaft and housed within the explosive chamber, a compression chamber, a piston mounted for reciprocation in the compression chamber, means operatively connecting the piston with said shaft, a valve controlled conduit for leading the fuel into the compression chamber, means carried by the shaft for operating the valve, a plate abutment carried by the last mentioned piston and adapted to move transversely across the explosion chamber and having a duct formed in one longitudinal edge adapted to transmit the gas from the compression chamber into the explosion chamber and provided with a recess through which the first mentioned pistons may pass.

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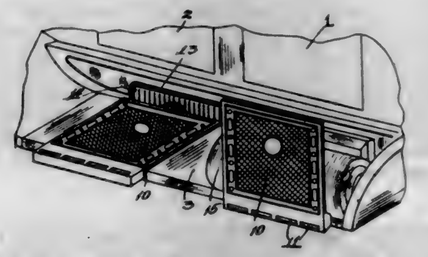
1,556,601. LUGGAGE CARRIER. ISAAC ARTHUR HILLS, Grand Rapids, Mich. Filed Sept. 7, 1923. Serial No. 661,372. 5 Claims. (Cl. 224—29.)



5. In a vehicle having a running board, a foot pad hinged to the outer margin of said running board and swingable from horizontal to vertical position, and means depending over the outer margin of said running board for supporting said foot pad in vertical position.

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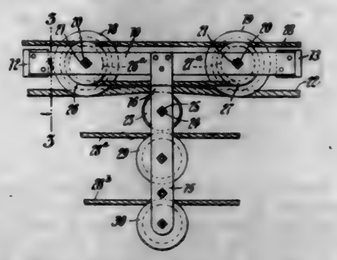
1,556,602. FALL-ROPE CARRIER. JOHN T. HORTON, Brooklyn, N. Y. Filed Jan. 24, 1922. Serial No. 531,347. 2 Claims. (Cl. 212—120.)



1. A fall rope carrier including in combination two supporting cable traverse wheels rotatably mounted in fixed relation to each other for engaging the upper side of a supporting cable, a tension wheel for engaging the under side of the supporting cable between the points of engagement of said traverse wheels, two traction line wheels one of which is in operative relation to one of said traverse wheels, and a traction line forming a bight surrounding said two traction line wheels and in operative relation thereto.

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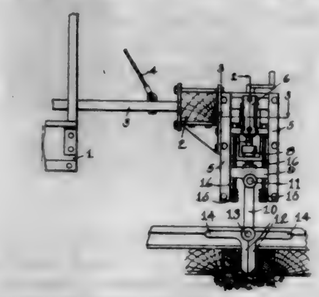
1,556,603. TAMPING OR BALLASTING MACHINE. CORWILL JACKSON, Chicago, Ill. Filed July 25, 1924. Serial No. 728,099. 14 Claims. (Cl. 104—12.)



1. In a structure of the class described, the combination with a supporting head provided with vertical ways, of an impact means comprising an impact member mounted for vertical adjustment in said ways, a tamper crosshead reciprocating in said ways below said impact means, buffer springs for said tamper crosshead carried by said impact means, means for raising and lowering said impact means, a tamper arm pivotally mounted on said tamper crosshead, tamper blades pivotally mounted on said arm in coacting pairs to pass between a pair of adjacent ties and provided with laterally projecting arms adapted to engage the tie members whereby the blades are separated, and means for raising and lowering said supporting head.

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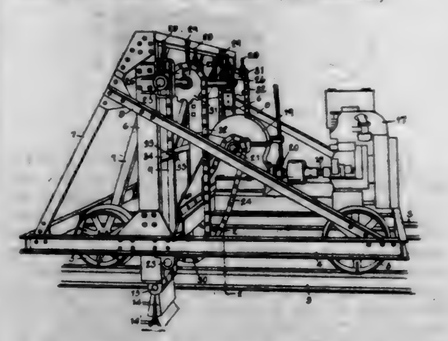
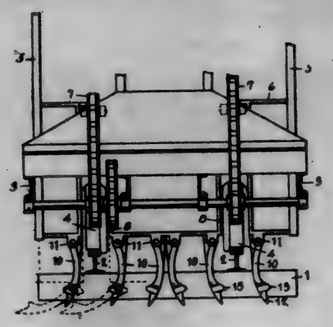
1,556,604. TAMPING OR BALLASTING MACHINE. CORWILL JACKSON, Chicago, Ill. Filed Dec. 29, 1924. Serial No. 758,658. 28 Claims. (Cl. 104—12.)



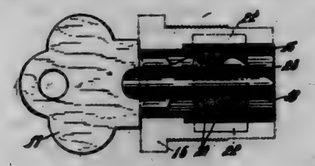
1. In a machine of the class described, the combination with a truck adapted to travel upon a railway track, vertical ways on said truck, a crosshead mounted to reciprocate in said ways and recessed on its upper side to receive the rails of the track, tamper blades pivotally mounted on said crosshead in coacting pairs, there being a pair of blades at each side of said recesses in said crosshead, the ends of the blades being outwardly directed so that they tend to separate upon contacting with the material to be tamped, and means for actuating said crosshead.

1,556,605. RAILWAY-ROADBED WORKING TOOL. CORWILL JACKSON, Chicago, Ill. Filed Dec. 29, 1924. Serial No. 758,659. 18 Claims. (Cl. 104—12.)



1. In a machine of the class described, the combination of a truck adapted to travel upon a railway track, vertical ways on said truck, a crosshead constituting a drop hammer reciprocatingly mounted on said ways and recessed on its under side to receive the rails of the track, means for actuating said crosshead, and tools pivotally mounted on said crosshead in opposed laterally facing sets, the tool pivots being disposed longitudinally of the truck, there being a plurality of tools in each set, said tools having laterally directed points so that the tools tend to swing laterally upon contacting with the ballast of a track, said tools having forwardly facing shoulders spaced from their tips.

1,556,606. LOCK. EDWARD N. JACOBI, Milwaukee, Wis., and FRANCIS W. LAWRENCE, Detroit, Mich., assignors, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis., a Corporation of Delaware. Filed Feb. 26, 1917. Serial No. 151,011. 2 Claims. (Cl. 70—46.)

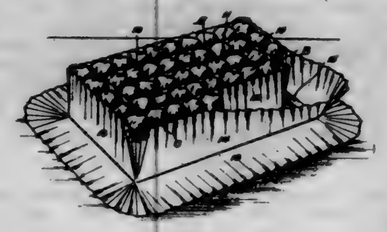


1. A lock, comprising a rotary lock barrel having a longitudinal key opening and a transverse tumbler opening, a key fitting in the key opening and crossing the tumbler opening, sheet metal tumbler blades slidably fitting in the tumbler opening and capable of sliding longitudinally therethrough for removal and each provided with an opening pierced by the key and means for preventing the loss of the tumbler blades from the lock barrel when the key is removed comprising a rib in the lock barrel projecting into the tumbler opening, said tumbler blades being provided with notches in the side thereof to receive the projecting edge of said rib without interfering with the key-produced movements of the tumbler blades.

1,556,607. HANGER. THOMAS H. KANE, Youngstown, Ohio. Filed Sept. 9, 1920. Serial No. 409,233. 14 Claims. (Cl. 72—105.)

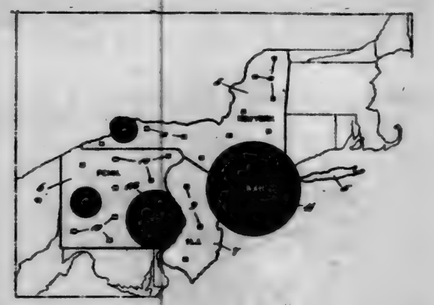
1. A hanger of the class described, comprising a hollow member having a slot in its lower wall of less width than the interior distance between its side walls, and provided at opposite sides throughout the length thereof with upstanding inclined prongs of which those at one side are inclined oppositely to those at the other side of the member for the purpose specified.

1,556,608. PACKAGE FOR DATES, FIGS, CANDIES, AND LIKE PRODUCTS. KARL G. KARSTEN, New York, N. Y. File Feb. 17, 1922. Serial No. 537,165. 2 Claims. (Cl. 206—46.)



1. A package for more than two parallel rows of articles intended to be separated one at a time from the package, said package comprising a plurality of open top cups, disposed one within the other in telescoping relation, each succeeding outer cup having a greater area when considered in plan than the next adjacent inner cup thereby to provide a space between the sides of adjacent cups to accommodate an endless line of the articles and the innermost cup adapted to contain a single row of the article.

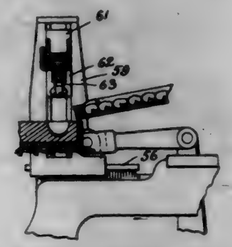
1,556,609. MAP. KARL G. KARSTEN, New York, N. Y. Filed Apr. 3, 1923. Serial No. 629,569. 6 Claims. (Cl. 35—6.)



1. A map of a plurality of territories having their boundary lines so distorted as to make their included areas represent graphically the relative importance of a given factor other than land area of one area with respect to another area, the boundaries being distorted without losing their familiar and significant features certain cities of said territories indicated on said map by a geometric form having inscribed areas proportionate to the valve of said factor present in said cities.



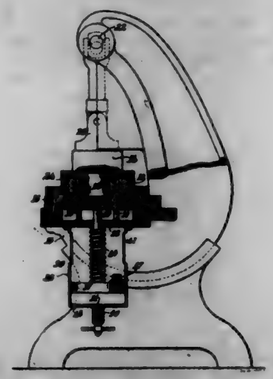
1,556,610. CANDY-MAKING MACHINE. WILLIAM C. KNISE and JOHN KALLENBERG, Brooklyn, N. Y., assignors to E. Greenfield's Sons, a Corporation of New York. Filed Sept. 21, 1922. Serial No. 589,528. 10 Claims. (Cl. 107—1.)



1. In a candy making machine, a conveyor adapted to transport a tray having a series of depressions therein, means adapted to operate said conveyor, means adapted to feed a liquid coating into said depressions at a given point in the movement of said conveyor, and second means adapted to feed cherries or the like to be coated into said depressions at a subsequent point in the movement of said conveyor, said second means having a plurality of parts, one of said parts being adapted to move in a direction substantially parallel to the direction of movement of said conveyor, and another part being adapted to independently move in a direction substantially perpendicular to said conveyor.

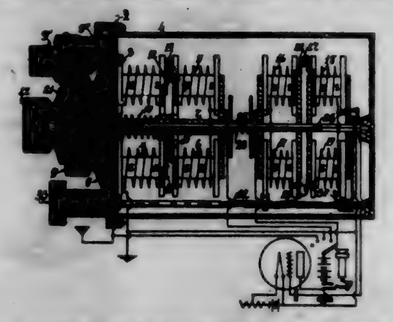
2. In a candy making machine the combination with means adapted to support a tray or the like, of a hopper adapted to have articles fed therein, a series of inclined movable bars located above an inclined bottom member and having spaces between them, said spaces being in communication with said hopper, means adapted to oscillate said movable bars in order to cause said articles to enter into said spaces and move in the direction of the lengths of said bars, and means adapted to seize said articles from said spaces and transport them away from said spaces.

1,556,611. DRAWING PRESS. WILLIAM KLOCKE, Woodhaven, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed Nov. 21, 1922. Serial No. 602,470. 9 Claims. (Cl. 113—46.)



1. A drawing press of the type having three forming parts, two of which are relatively oppositely movable male and female parts for producing a cup or shell from a blank, and the third adapted to make contact through said blank with one of said two oppositely movable parts and to yield to the movement thereof, comprising a vatuum producing means connected to and adapted to resist the movement of said yielding part.

1,556,612. VARIABLE INDUCTANCE AND COUPLER. AUGUST J. KLONECK, New York, N. Y. Filed Dec. 15, 1921. Serial No. 522,597. 3 Claims. (Cl. 171—242.)

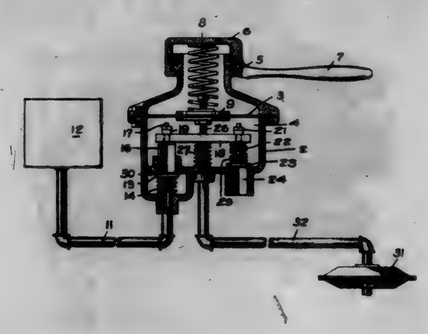


2. A variable inductance element comprising independent coil sets, each coil set including revoluble coil parts and non-revoluble coil parts, means for rotating said revoluble coil parts, means for electrically interconnecting revoluble and non-revoluble coil parts of each set and means for inductively separating said independent coil sets, said last means comprising a spiral shafting, the coils of each part being arranged in planetary formation about the axis of rotation of the revoluble part.

1,556,613. SAFETY-RAZOR-BLADE HOLDER. CHARLES RAYMOND LADEWEBB, Providence, R. I. Filed Sept. 9, 1924. Serial No. 736,707. 1 Claim. (Cl. 30—9.)

A blade holder comprising a handle having one end directed laterally at an obtuse angle and being split longitudinally to provide two opposed clamping plates, said plates having substantially parallel side edges arranged at obtuse angles with the handle, said plates also having end edges arranged substantially at right angles to the handle, the inner faces of said plates being formed with opposed blade receiving grooves, a pair of such grooves extending along and substantially parallel to each of the herein-mentioned edges of said plates, all of said grooves extending throughout the entire lengths of such edges whereby a blade can be slid longitudinally in and out of any pair of grooves, and adjustable means for drawing said plates together to clamp a blade in place.

1,556,614. VARIABLE-CONTROL VALVE. GEORGE S. LANE, San Francisco, Calif., assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 1, 1921. Serial No. 448,884. 11 Claims. (Cl. 303—54.)



1. A variable control valve for fluid pressure operated mechanism, comprising a casing, a diaphragm forming a pressure chamber in said casing, an inlet and an exhaust valve in said casing for controlling the flow of pressure fluid into and out of said chamber, a cap threaded on said casing, a spring interposed between said cap and diaphragm, whereby rotation of the cap varies the tension of said spring, and means controlled by the diaphragm for opening and closing said inlet and exhaust valves.

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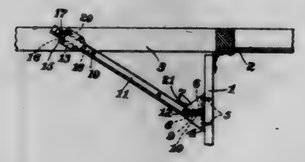
1,556,615. DOOR HOLDER. GEORGE LANE, Poughkeepsie, N. Y., assignor to Lane Brothers Company, Poughkeepsie, N. Y., a Joint Stock Association of New York. Filed Sept. 12, 1923. Serial No. 662,249. 3 Claims. (Cl. 292—262.)



1. A device of the character described, including a keeper secured to a door lintel, a bar sliding in a slot in said keeper, said bar being pivotally carried on a door, and means having fixed engagement with said bar, and a fixed and sliding engagement with said door and responsive to a horizontal pull for transmitting vertical motion to said bar.

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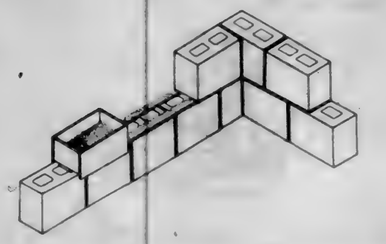
1,556,616. MORTAR STRINGER. LEVI LANDKAMER, Alexandria, Nebr. Filed June 5, 1922. Serial No. 565,875. 2 Claims. (Cl. 72—129.)

1. A mortar stringer comprising a rectangular receptacle, means at each end of said receptacle for pulling the receptacle along the upper edge of a masonry wall, a bottom for said receptacle, said bottom being provided with longitudinal openings extending from end to end thereof, one of the sides of the said receptacle having its lower edge in the horizontal plane of the said bottom so that the lower edge of the said side is adapted to ride on the upper edge of the wall, the other



of the sides of the receptacle having a depending portion which is adapted to bear against the side of the wall.

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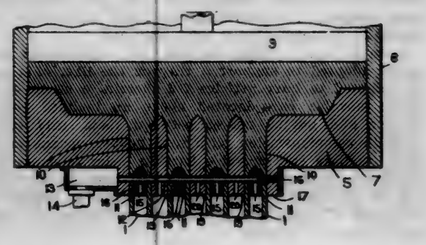
1,556,617. POROUS CANDY AND METHOD OF AND APPARATUS FOR MAKING IT. PHILIP B. LASKEY, Marblehead, Mass., assignor to The Chocolate Sponge Co., Inc., New York, N. Y., a Corporation of New York. Filed May 17, 1923. Serial No. 639,520. 5 Claims. (Cl. 107—54.)



5. An apparatus for making candy comprising a die having a plurality of separate annular openings which are connected on the delivery face of the die by grooves formed in said face, and means to force candy material through said annular openings.

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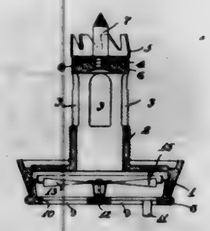
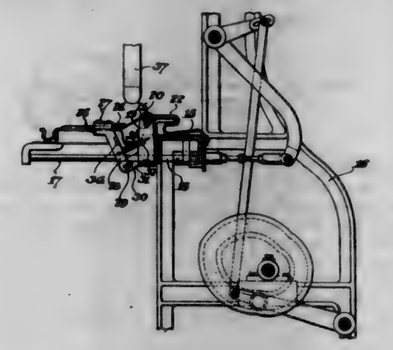
1,556,618. VENTILATING DEVICE. WILLIAM LAWRENCE, Chicago, Ill. Filed Feb. 13, 1922. Serial No. 536,000. 1 Claim. (Cl. 98—27.)



In a device of the class described a ventilator comprising a hollow cylindrical member, a cap member threaded in said hollow cylindrical member, said cap having vents, a bearing pin supported by said cap, a shutter rotatable on said pin for closing said vents, said pin extending through said shutter, and a sensitive fan rotatably mounted on said pin.



1,556,619. METHOD AND MEANS FOR CIGAR BUNCHING. BERNARD LIEBERMAN, Philadelphia, Pa. Filed Dec. 6, 1920. Serial No. 428,547. 6 Claims. (Cl. 131—42.)



3. In a cigar bunching machine, the combination with a bunching table, a roller and apron, of a smoothing element comprising a brush having a plurality of independently yielding bristles or similar elements, forming a binder-engaging surface, means operating said smoothing element to engage the binder prior to and during the rolling operation, and adjustable means for controlling the pressure of said engagement.

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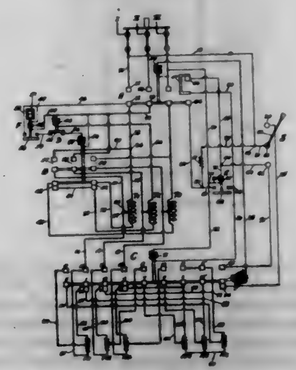
1,556,620. CONTROL SYSTEM FOR ALTERNATING-CURRENT MOTORS. DAVID L. LINDQUIST, Hartsdale, and JACOB D. LEWIS, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 30, 1923. Serial No. 677,696. 5 Claims. (Cl. 172—179.)



2. A multi-speed alternating current motor control system comprising an alternating current motor having its windings arranged to be alternatively connected through one set of connections for one speed in one direction of rotation and through another set of connections for a different speed in the other direction of rotation, a motor control switch for connecting the line to one of said sets of connections when in one position and to the other of said sets of connections when in another position, means for causing said motor control switch to move from one position to another, and means for preventing the functioning of said causing means while the line current is flowing to said switch.

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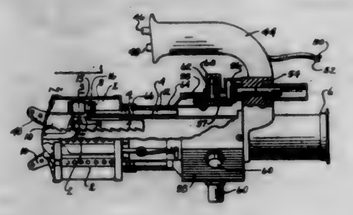
1,556,621. COTTON PICKER. ROBERT L. MCGEHEE, New York, N. Y. Filed Feb. 3, 1923. Serial No. 616,799. 16 Claims. (Cl. 56—37.)



1. In a cotton picker, a reciprocating picker finger having at its picking end a part adapted to oscillate, a weight having a positively limited lost motion connection with the reciprocating part of said finger permitting movement of said weight on said finger in the same direction at the end of the positive movement of the said weight by said finger, the cooperating stop surfaces on said weight and the reciprocating part of said finger by which the lost motion is positively limited being all located substantially in a straight line and in the line of reciprocation, and connections between the weight and the oscillating part of said finger whereby the aforesaid movement of said weight on said finger both effects and limits the oscillation of said oscillating part.

10. In a cotton picker, a reciprocating toothed finger having at its end guards for the endmost teeth.

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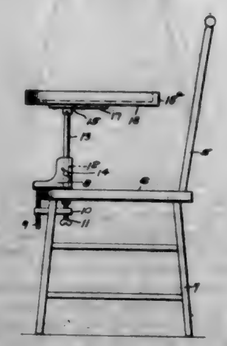
1,556,622. TRAY ATTACHMENT FOR DINING CHAIRS. ANDREW S. MEHAREY, Springdale, Pa. Filed Mar. 25, 1925. Serial No. 18,170. 1 Claim. (Cl. 45—82.)



An attachment of the character described, for the purpose of converting an ordinary dining chair into a child's chair, comprising, in combination, a block having a horizontal base portion and an inner vertically elongated portion, the whole adapted to lie above the seat of a chair, a rigid bolt depending from the outer end of the horizontal portion, a plate threaded upon said bolt, a binding screw carried by said plate adapted to engage the underside of the chair seat, a rod mounted for vertical and horizontal turning movement in the ver-

tically elongated portion of the block, a set screw for binding said rod in its adjusted position and a horizontal tray having a concave inner edge, eccentrically mounted upon the upper end of said rod.

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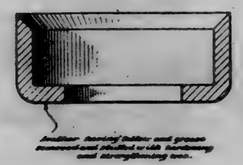
1,556,623. PACKING. WILLIAM A. MINOR, Rochester, N. Y., assignor to Luitwieler Pumping Engine Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 29, 1924. Serial No. 752,963. 5 Claims. (Cl. 69—21.)



1. A leather packing in molded form having the tallow and grease removed and stuffed with a hardening and strengthening wax.

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1,556,624. SUPPORTING FRAME. ABRAHAM PAVENICK, New York, N. Y. Filed Mar. 15, 1923. Serial No. 625,278. 1 Claim. (Cl. 5—180.)

In a support of the character described, an end supporting and clamping means comprising a bearing block having a journal opening therein adapted to demountably support a cross member, a pair of legs pivoted to the said bearing block below said opening, concaved bearing surfaces formed at the ends of said legs adjacent said opening for clamping against the corresponding end of said cross member, and a cross brace pivoted to collapse between said legs, said brace being effective to secure the legs in a spread position and to simultaneously cause the said concaved bearing surfaces at the ends of the legs to clamp the cross bar between said surfaces and against the upper portion of the rim of said opening.

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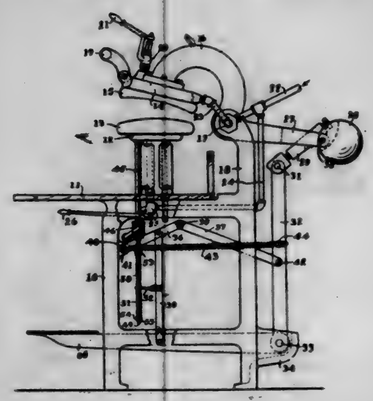
1,556,625. PRESSING MACHINE. GEORGE O. POMEROY, Lakewood, Ohio. Filed Dec. 18, 1924. Serial No. 756,724. 9 Claims. (Cl. 68—9.)

1. In apparatus of the class described, the combination of a pair of pressing members, actuating means therefor, a suction pipe connected with one of said members, a valve in said pipe, and operating means for said valve



actuated by the first-mentioned means to close said valve when said members are closed and to automatically hold said valve open when said members are opened.

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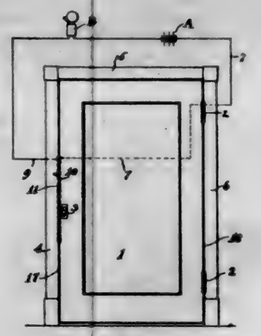
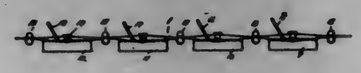
1,556,626. BURGLAR ALARM. JOHN J. POPE, Brooklyn, N. Y. Filed June 7, 1922. Serial No. 566,613. 2 Claims. (Cl. 177—314.)



1. The combination of, a frame having an opening; a member adapted for closing said opening and movable from closing position to open position; an electric contact member on a face of said closing member; an electric contact member on a face of the frame in opposed relation to the first contact member; source of supply of electricity; means for conducting an electric current from said source to the first contact member; means for conducting an electric current from said source to the second contact member, said members normally being out of contact and the circuit open; and an electrically operated alarm means in one of said conducting means; said contact members being made active for closing the circuit and operating the alarm means by forcible insertion of an implement of conducting material between opposed faces of said closing member and frame while the closing member is maintained in closing position in said frame.



1,556,627. METHOD OF FORMING TUBING AND APPARATUS THEREFOR. WILLIAM S. PRITCHARD, Detroit, Mich., assignor to Motor Products Corporation (1923), Detroit, Mich., a Corporation of New York. Filed May 28, 1923. Serial No. 642,121. 10 Claims. (Cl. 113—38.)



9. In the method of forming tubing, the advancing of a metallic ribbon and during the advancement the successive steps of tinning a longitudinally extending portion of the ribbon, forming the ribbon into tubing, and applying heat sufficient to melt the tinning material.

10. In a machine for forming tubing, the combination with an open upper-ended receptacle containing a suitable adhesive material, of horizontal means at the ends of said receptacle for guiding the ribbon, and vertically extending means above the receptacle and engageable with the portion of the ribbon intermediate the adjacent horizontally extending ribbon guiding means for warping or rotating the ribbon and deflecting an edge thereof into said adhesive material.

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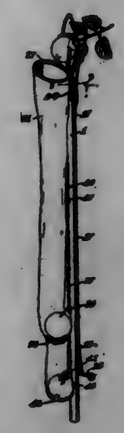
1,556,628. FRUIT PICKER. ALVAH T. RAMSDELL, Dover, N. H. Filed Sept. 14, 1922. Serial No. 588,167. 3 Claims. (Cl. 56—336.)

1. A fruit picker comprising a pole, a device thereon for severing fruit from its stem, a fabric tube extending along the pole having an opening at the upper end thereof for receiving the fruit from the severing device and an opening at the lower end of the tube for delivering the fruit, means to secure the inner edge of the lower end of the tube to the pole to hold the delivery opening substantially vertical and form a fruit receiving and holding pocket, and means connected to the pole to catch up a portion of the tube at a short distance above the lower end thereof to form a fruit checking and holding pocket, the latter being adapted to deliver fruit to the receiving pocket on upward pull on the tube, and the receiving pocket being adapted to discharge fruit from the delivery opening on further upward pull on the tube.

1,556,629. TRACTION MAT. RUSSELL J. KRANEY, Ottawa, Ontario, Canada. Filed Sept. 23, 1924. Serial No. 739,821. 3 Claims. (Cl. 238—14.)

1. A traction mat of the character described comprising a wedge end block, trapezium form in cross section, and a plurality of flexibly connected traction blocks aligned therewith.

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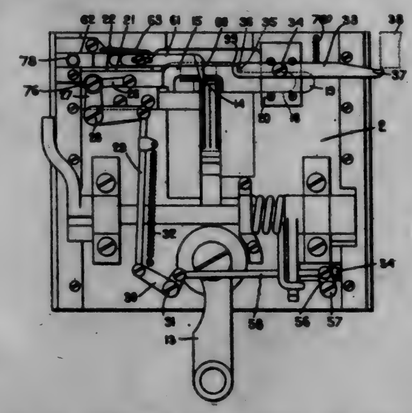
1,556,630. THREAD-TRIMMING DEVICE FOR BUTTONHOLE-SEWING MACHINES. FRANKLIN A. REECE, Chestnut Hill, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed June 14, 1919. Serial No. 304,224. 47 Claims. (Cl. 112—252.)



47. In a buttonhole sewing machine the combination with stitch-forming mechanism constructed to concatenate an upper and an under thread, of a throat-plate provided with an opening through which the stitch-forming mechanism operates, means operative at the completion of a buttonhole to cut and clamp the thread which extends from the work through the opening in said throat-plate, said means operating to release the clamped end when the sewing starts on the next buttonhole and before the relative movements of the throat-plate and the cutting and clamping parts have placed an appreciable strain on said clamped end.

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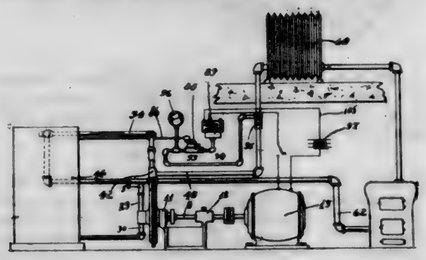
1,556,631. VACUUM PUMP. VICTOR ROSENHAGEN, Bellevue, Ky., assignor to The Hydro High Vacuum Pump Company, Bellevue, Ky., a Corporation of Kentucky. Filed July 8, 1922. Serial No. 573,567. 11 Claims. (Cl. 230—13.)

1. In a device of the class described the combination of a housing having a chamber within it, a rotor revolubly contained within the chamber having a recessed center and spiral ducts extending from the recess to the periphery thereof, the housing having a discharge channel into which the ducts in the rotor may discharge, a valve block extending into the housing having its one end disposed within the recess in the rotor, and having a pair of ducts, formed in it, the ducts being disposed in a

substantially vertical relation and being adapted to be placed in alternate communication with the ducts in the rotor, a fluid supply tank, a supply pipe adapted to establish communication between the supply tank and the lower duct in the valve block, a connection extending above the valve block establishing communication between the supply pipe and the upper duct in the valve block, a discharge nozzle mounted on the housing communicating with the discharge channel and having a re-



duced discharge end, a coupling having a chamber formed within which chamber the discharge end of the nozzle is disposed, and a pipe extending into the chamber in the coupling into which the discharge nozzle is adapted to direct the flow of fluid which passes thru said nozzle, the pipe being spaced from the nozzle and having a bore which is gradually enlarged as it recedes from the nozzle, and means to establish communication between the chamber in the coupling, and a container within which the pressure is to be reduced.

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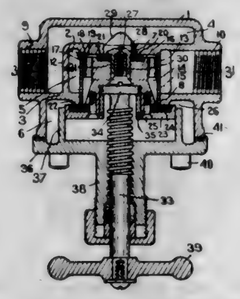
1,556,632. MIXING VALVE. WILFRED J. ROULEAU, Quincy, Mass. Filed Aug. 22, 1923. Serial No. 658,800. 8 Claims. (Cl. 277—18.)



1. A mixing valve comprising a casing, two transverse ported partitions dividing the interior of the casing into hot water, cold water, and outlet chambers, an annular longitudinally extending ported sleeve stationarily mounted within the cold water chamber with its ends joining the two partitions, said sleeve forming within it a mixing chamber communicating with the hot water, cold water, and outlet openings, and a valve having a portion within the sleeve for controlling the flow of hot water and a portion exterior to the sleeve to control cold water into the mixing chamber and the flow of water from the mixing chamber.

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1,556,633. ELECTRICAL CONTROL METHOD. SAMUEL RUBEN, New York, N. Y. Filed Sept. 13, 1924. Serial No. 737,601. 4 Claims. (Cl. 250—2.)

1. A system for the operation of a control device, comprising, in combination, a source of high frequency oscillations, an electrical receiving apparatus selectively responsive to said oscillations, and arranged and adapted to actuate said control device, and a stationary conducting means in electrostatic connection with said source

and receiving apparatus and adapted to serve as a tuning element in he circuit thereof by the relative movement thereof.

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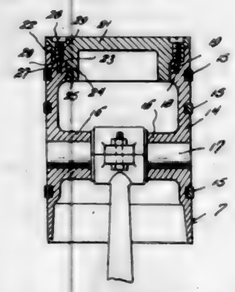
1,556,634. PISTON CONSTRUCTION. JOHN H. RYALLS, Charlottesville, Va., assignor of one-third to L. G. Hoxton and one-third to Chas. H. Page, both of Charlotteaville, Va. Filed Aug. 26, 1924. Serial No. 734,323. 1 Claim. (Cl. 74—108.)



A piston comprising a skirt portion formed with wrist pin bearings intermediate the ends, the upper end of said skirt portion being formed with an inwardly directed annular flange having the inner periphery screw threaded and formed with a shoulder on the upper end, the upper end of the skirt portion being formed with an internal diameter of enlarged size above said shoulder portion extending through the upper end of said skirt portion, a cap having an external diameter equal to that of the skirt portion, and an annular projection of reduced diameter to fit the enlarged diameter of the upper end of the skirt portion, and a reduced extension from said annular projection of reduced diameter and threaded for cooperation with the threaded portion of the flange of the skirt portion, and locking screws adapted for threaded cooperation with the cap portion, and projecting into openings in the flange of the skirt portion for locking said cap portion after threaded application on the skirt portion against movement thereon.

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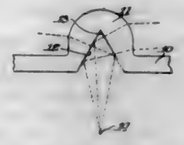
1,556,635. METALLIC CLIP. PERCY SATTERLEE, Detroit, Mich. Filed Oct. 13, 1924. Serial No. 743,250. 4 Claims. (Cl. 72—118.)

1. Furring and lath clips made of a single piece of wire bent to close zigzag formation with parallel rows of hooks and the wire adapted to be severed to provide the clips, said close zigzag formation being adapted for extension from one end thereof so that the clips are separated from the close zigzag formation to be severed one at a time for individual use.



1,556,636. LUMINOUS SIGN CHARACTER. RICHARD SCHULZ, Danville, Ill. Filed Sept. 19, 1923. Serial No. 663,687. 2 Claims. (Cl. 40—134.)



2. A sign character presenting a semi-cylindrical surface to represent a transparent sign element and an inner angular groove underlying said surface, the apex thereof extending along the axis of said surface.

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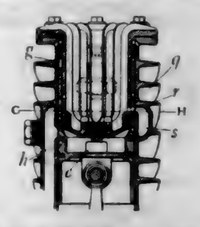
1,556,637. TWO-STROKE-CYCLE INTERNAL-COMBUSTION ENGINE. HIERONYMUS PAUL SCHUTTLER, Charlottenburg, Germany. Filed Jan. 25, 1924. Serial No. 688,576. 4 Claims. (Cl. 123—69.)



4. In a two-stroke cycle internal combustion engine, a cylinder, a head extending into the cylinder and having a portion spacing from the latter to provide an annular recess between the head and cylinder, a piston in said cylinder having a sleeve thereon working in the annular recess, two inlet ports in said sleeve at diametrically opposite points, two exhaust ports in said sleeve also at diametrically opposite points and spaced circumferentially between the said inlet ports, two inlet ports, a crank chamber, transfer passageways in the cylinder leading from the crank chamber and adapted to introduce a compressed combustible mixture from the crank chamber through said inlet ports into the cylinder, a spark plug port arranged centrally within the cylinder head, and means whereby the piston sleeve causes the circulation of atmospheric air through the cylinder head and controls the passage of the combustible mixture from the transfer passageways to the interior of the cylinder.

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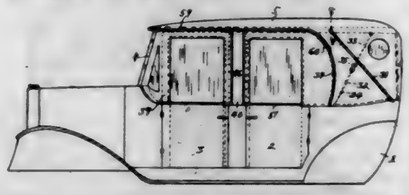
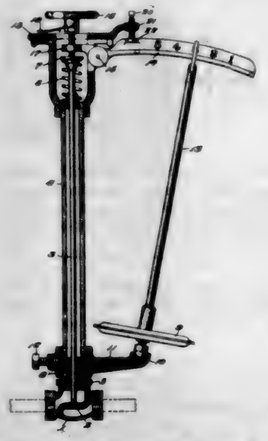
1,556,638. MOTOR-VEHICLE TOP. HALSTEAD H. SEELEY, Ann Arbor, Mich., assignor to Motor Products Corporation (1923), Detroit, Mich., a Corporation of New York. Filed Jan. 30, 1922. Serial No. 532,554. 15 Claims. (Cl. 296—103.)



1. The combination with a motor vehicle body, of an attachable top having standards pivotally mounted upon said body to permit of lateral adjustment of said top relative to said body, and tension members connected to said top and body for laterally adjusting said top relative to said body to align the former with the latter.

1,556,639. THERMOSTATIC CONTROL FOR VALVES. HENRY M. SHEER, Quincy, Ill., assignor to H. M. Sheer Company, Quincy, Ill., a Corporation of Illinois. Filed Jan. 9, 1923. Serial No. 611,677. 5 Claims. (Cl. 236—99.)



1. A thermostatic control for valves including a valve-chamber, a valve-seat, a needle-valve, a thermostat, a quadrant, the latter operated by the thermostat and in position to actuate the valve, adjustable means connected with the quadrant for adjusting the initial position of the valve, and adjustable means for limiting the movement of the quadrant in one direction.

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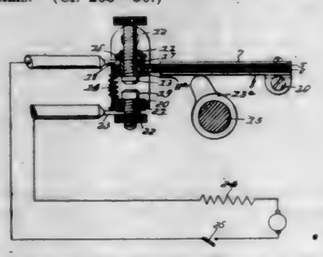
1,556,640. CIRCUIT CONTROLLING AND INTERRUPTING APPARATUS. CLARENCE E. SILVER, Blackwell, Okla. Filed Feb. 21, 1921. Serial No. 446,638. 3 Claims. (Cl. 200—30.)



2. A device of the class described, including a pivoted bracket, an insulating arm or member secured to the bracket and comprising a plurality of strips of insulating material and backing strips of metal, an interiorly threaded sleeve piercing the insulating strips and carried by the said arm or member, an adjustable screw mounted in the threaded sleeve and provided with a contact or electrode, a fixed contact or electrode arranged to be engaged by the said contact or electrode, insulating means for supporting the fixed contact or electrode and means for moving the arm or member to carry the movable contact or electrode into and out of engagement with the fixed contact or electrode.

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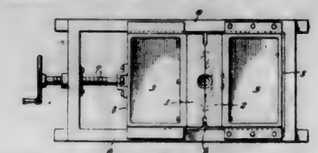
1,556,641. PLASTIC COMPOSITION. MAX SKOLNIK, Minneapolis, Minn., assignor to Annie Skolnik, Minneapolis, Minn. Filed Dec. 24, 1921. Serial No. 524,764. 1 Claim. (Cl. 106—39.)

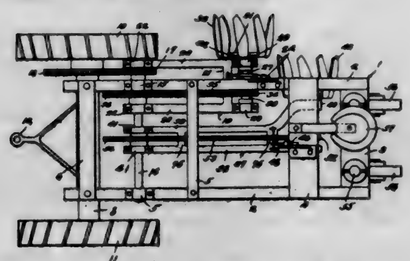
A composition for use in making a plastic composition comprising the following ingredients in substantially the proportons specified: corn and similar stalks, 25 pounds reduced to a pulp with 2 pounds of alkali, and an adhesive 5 pounds.

1,556,642. PROCESS OF CASTING MALLEABLE CASTINGS. WILLIAM H. SMITH, Dearborn, Mich., assignor to Ford Motor Company, Detroit, Mich., a Corporation of Delaware. Filed Apr. 10, 1924. Serial No. 705,409. 1 Claim. (Cl. 22—211.)



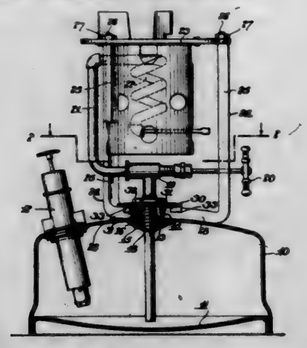
The method of casting malleable castings which consists in providing a mold, introducing molten metal into the mold to form a casting, and in maintaining a body of tin in fluid state in contact with the mold walls.

1,556,643. FARM MACHINE. OAK B. SPRAGGINS, Haleyville, Ala. Filed Apr. 8, 1924. Serial No. 705,080. 2 Claims. (Cl. 97—40.)



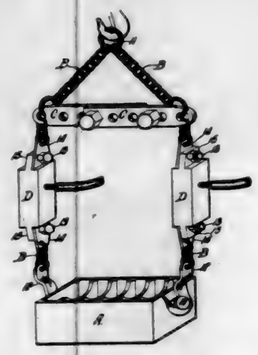
1. In a device of the class described, a frame, a ground wheel journaled on the frame, radius arms mounted to swing vertically on the frame, means for swinging the radius arms vertically, one radius arm being of greater length than the other, soil engaging members journaled on the radius arms, the soil engaging member of one radius arm being located in alinement with the other radius arm and inwardly of the soil engaging member of said other radius arm, and means for connecting the soil engaging members operatively with the ground wheel.

1,556,644. PLUMBER'S FURNACE. CHARLES STICHLER, Philadelphia, Pa. Filed Nov. 17, 1924. Serial No. 750,284. 14 Claims. (Cl. 126—226.)



1. In a furnace of the character described, a base tank, and framework mounted thereon including a plurality of separate standards each substantially L-shaped, the lower portions of said standards conforming to the top surface of the base tank and projecting inwardly toward the central axis of the structure, and means for clamping said lower portions of the standards on the top of the base tank.

1,556,645. METHOD OF VIBRATING OBJECTS. JOHN T. STONEY, Lakewood, and KLEMENS PUHWIN, Cleveland, Ohio, assignors to The Stoney Foundry Engineering and Equipment Co., Cleveland, Ohio, a Corporation of Ohio. Original application filed Sept. 12, 1921, Serial No. 500,193. Divided and this application filed Apr. 18, 1924. Serial No. 707,396. 7 Claims. (Cl. 22—94.)

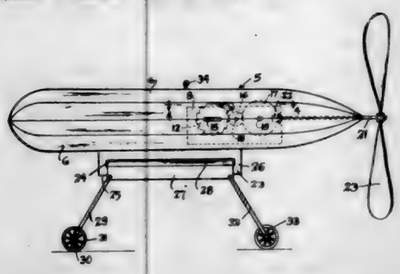


1. The method of vibrating objects, comprising, suspending an object to be vibrated, and creating vibrations in the means on which said object is suspended.

1,556,646. TYPE-COMPOSING STICK. WILLIAM H. STOREY, Leicester, England. Filed Sept. 4, 1924. Serial No. 735,746. 3 Claims. (Cl. 276—37.)

1. In composing sticks for loose types of the character specified means for automatically retaining the types in the stick when the stick is tilted, the said means comprising balls which roll into the path of the type.

1,556,647. MECHANICAL TOY. FERDINAND STRAUSS, New York, N. Y. Filed Jan. 14, 1925. Serial No. 2,242. 1 Claim. (Cl. 46—48.)



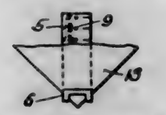
A toy airship comprising a body member having an elongated groove depending portion, a propeller on the body member, a motor for driving said propeller, a running gear comprising a frame having resilient side walls having elongated projected portions in said walls adapted to snap into and be retained in said grooves, and wheels on said running gear for permitting travel of said toy on the ground.



1,556,648. LIGHT-ABSORBING FILTER FOR AUTOMOBILES. CHARLES D. SYMMS, Sioux Falls, S. Dak., assignor to Mabel L. Symms, Sioux Falls, S. Dak. Filed Mar. 28, 1924. Serial No. 702,521. 2 Claims. (Cl. 296—97.)

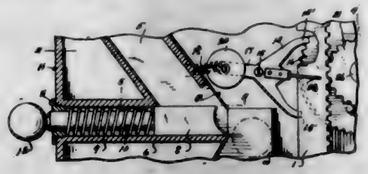
1. A glare shield for automobiles, comprising a disk of translucent material, and an enclosing frame of yielding resilient material, said frame comprising an annular head within which the disk is held, and a skirt joning one edge of the head, curved outwardly and laterally from the head, and an annular bead inside the skirt where it joins the head for contact with a flat surface when the skirt has been flattened.

1,556,649. SHINGLE GAUGE AND CLAMP. JOHN A. TOPPING, Nyack, N. Y. Filed Sept. 24, 1923. Serial No. 664,420. 1 Claim. (Cl. 108—33.)



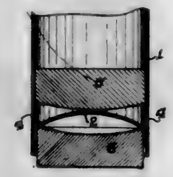
A device for gauging the extent of lap of the shingles of a roof and for permanently holding the butt ends of the shingles in place, comprising a relatively long narrow flat strip having indicia of linear dimensions extending from near one end towards the other end, and having a rectangular aperture in one end adapted to receive the point of a shingle, said apertured end initially bent on a curve to define the clamping bend to be subsequently made when applied, and to place the perforate end in a plane angularly related to the body part of the device whereby the point of the shingle may be entered in said aperture before the final bend.

1,556,650. CHECK-CONTROLLED MECHANISM. HARRY M. WALKER, New Orleans, La. Filed Mar. 11, 1924. Serial No. 698,478. 2 Claims. (Cl. 194—60.)



1. In combination with a rack pump rod for a gasoline tank, a manually operated pinion actuating the pump rod, a toothed wheel rotating with the pinion, said toothed wheel being of a diameter to overlie one of the faces of the pump rod, a substantially V-shaped dog pivotally supported opposite the pinion and adjacent the pump rod, the arms of the dog alternately engaging the toothed wheel, an arm secured to the apex portion of the dog and overlying the face of the pump rod remote from the toothed wheel, check controlled means for swinging the dog in one direction, and means carried by the pump rod for swinging the dog in the opposite direction.

1,556,651. PROCESS OF MAKING METAL CONTAINERS. JAMES P. WALKER, Chicago, Ill., assignor to Solar-Sturges Mfg. Co., a Corporation of Illinois. Filed Nov. 1, 1924. Serial No. 747,311. 6 Claims. (Cl. 113—116.)

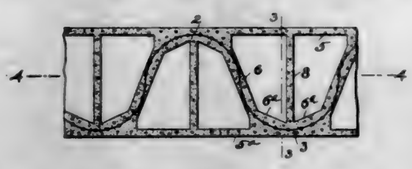


1. The method of applying a bottom to a receptacle consisting in, initially forming the bottom member with an upward dish and a depending flange, inserting said member in the receptacle, welding said member to the receptacle along the line where the flange and dish portions of the bottom member meet, and then dishing the bottom member downwardly relative to the receptacle.

1,556,652. PULL-SWITCH SOCKET. CHESTER E. WARNER, Berwyn, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 7, 1920. Serial No. 408,579. 6 Claims. (Cl. 173—354.)

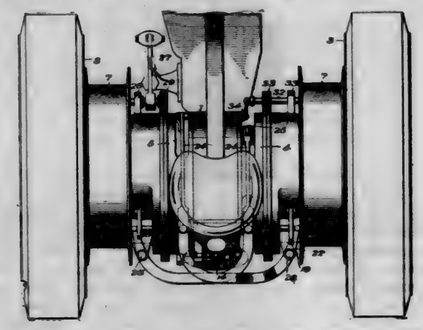
4. A switch mechanism comprising a switch blade oscillatable back and forth, a spring acting on said switch blade, and means for shifting said spring back and forth to cause oscillation of the switch blade comprising a rotatable member having a cylindrical surface provided with a cam track having a helical portion, said surface and cam track being part of and being rotatable with said rotatable member.

1,556,653. BULKHEAD CONSTRUCTION. WILBUR J. WATSON, East Cleveland, Ohio, assignor of one-half to Edward M. Graves, Cleveland, Ohio. Filed May 20, 1922. Serial No. 562,292. 7 Claims. (Cl. 61—39.)



2. A bulkhead, comprising piles driven into the ground in a row with regularly spaced inwardly and outwardly turned portions forming a corrugated wall, and a cap beam, of a uniform width substantially corresponding to the depth of the corrugations, secured upon the upper edge of the wall.

1,556,654. POWER DELIVERING OR HOISTING WINCH. HENRY H. WHITE, Muskogee, Okla., assignor of forty-nine one-hundredths to Oklahoma Engineering & Foundry Co. Filed Nov. 1, 1923. Serial No. 672,072. 19 Claims. (Cl. 254—166.)



1. A power-delivering attachment for motor vehicles including a drive axle having outer and inner sections, axle housings, a drum rotatably mounted on one of the housings, and means for connecting the drum to a section of the drive axle for rotating said drum.

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1,556,655. METHOD OF MAKING AUGER BITS. LARNED S. WHITNEY, Fiskdale, Mass. Filed Nov. 11, 1924. Serial No. 749,114. 7 Claims. (Cl. 26—102.)

1. The method of making auger bits from a bar of round stock, which consists in the following steps taken in substantially the given order: turning on the end of the bar the part for the lead screw and spurs, cutting from the bar a length equal to the finished bit, forming the tang, turning down the shank, milling the spiral slot, cutting the lips and spurs, and threading the screw.

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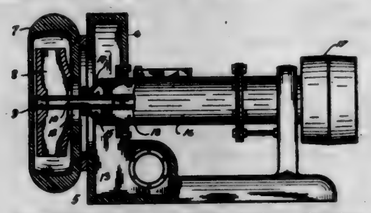
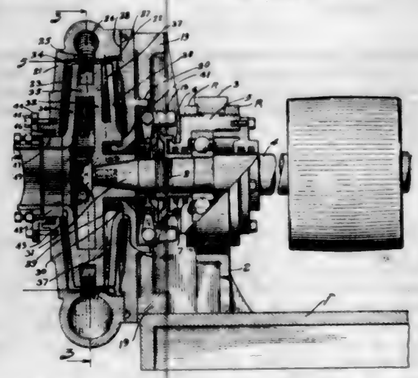
1,556,656. CENTRIFUGAL PUMP. ARTHUR R. WILFLEY, Denver, Colo. Filed Apr. 6, 1922. Serial No. 549,969. 2 Claims. (Cl. 286—9.)



1. In combination, a rotatable shaft, a chamber adapted to contain a shaft bearing, a second chamber adjacent thereto and adapted to contain a liquid, means between said chambers for preventing the liquid from flowing from the second mentioned chamber to the first mentioned chamber, comprising a partition member rigidly secured to the end walls of the first mentioned chamber and provided with an opening adapted to receive the shaft, said opening being larger than the shaft, the walls of said opening being provided with an annular recess and the partition member being provided with an opening extending from said recess to the outer surface of said member, and a member rigidly secured to said shaft and provided with a plurality of fan blades in the side nearest the partition member.

1,556,657. CENTRIFUGAL PUMP. ARTHUR R. WILFLEY, Denver, Colo. Filed June 9, 1924. Serial No. 718,850. 5 Claims. (Cl. 103—103.)



5. In a centrifugal pump, in combination, a casing forming a runner chamber having an intake opening on one side and a circular shaft-receiving opening on the other side, a shaft projecting through the shaft-receiving opening and into the chamber, said shaft being of a smaller diameter than the opening whereby a passageway is formed about the shaft, a runner secured to the shaft and mounted for rotation within said chamber, said runner having a central imperforate flange provided with a set of main pumping blades on the side nearest the intake opening and a set of auxiliary sealing blades on the side nearest the shaft-receiving opening, and means for closing the passageway about the shaft when the pump is inoperative and for opening said passageway when the pump operates, said last-named means comprising a centrifugal device operatively connected to the shaft.

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1,556,658. BEARING MATERIAL. HARRY M. WILLIAMS, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 24, 1922, Serial No. 546,478. Renewed Apr. 6, 1925. 7 Claims. (Cl. 75—1.)

1. The method of producing bearing compositions which comprises intimately mixing finely divided copper, tin and graphite; compressing the mixture into the desired form under very high pressure; packing the formed material in lamp black and sealing in a container; and heating the formed material to 1100° to 1400° F. for 5 to 7 hours.

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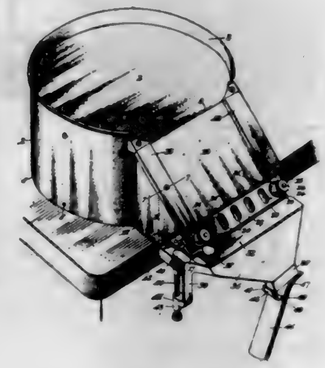
1,556,659. TREE CARRIER. EDGAR D. WILLIAMSON, Memphis, Tenn. Filed Feb. 19, 1925. Serial No. 10,376. 3 Claims. (Cl. 214—3.)

1. In a tree carrier, having raising and carrying means, a tree supporting frame comprising a beam adapted to be carried in an upwardly and rearwardly inclined position, a root and earth embracing cradle at the lower end of said beam, and a trunk supporting member, comprising a block, means hinging said block to the upper end of said beam and tree fastening means attached to said block and movable therewith.



1,556,660. COIN-COUNTING MACHINE. JOHN A. WILLIAMSON, Denver, Colo., assignor to The Automatic Coin Stacker Corporation, Denver, Colo., a Corporation of Colorado. Filed Nov. 4, 1924. Serial No. 747,832. 6 Claims. (Cl. 133—8.)



1. In a device of the character described, a coin holder and said pivotally mounted member, and means of channels adapted to receive a fixed number of coins, a downwardly inclined slideway adapted to connect said holder and said pivotally mounted member, and means for tilting said member to discharge the coins therefrom, said member when tilted acting to cut off the supply of coins from the slideway.

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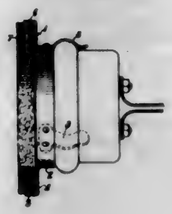
1,556,661. EAR-PHONE ATTACHMENT. JOHN E. WOOD, Pittsfield, Mass. Filed Jan. 23, 1925. Serial No. 4,286. 2 Claims. (Cl. 179—182.)



1. An ear-phone attachment, comprising a body portion having integral oppositely disposed circular flanges of substantially Z-shaped formation, spring clips secured to one of said flanges for attachment to the ear-phone, said ear-phone attachment being provided with a soft bearing surface for contact with the head of the user and adapted to entirely surround the ear of the user, substantially as described.

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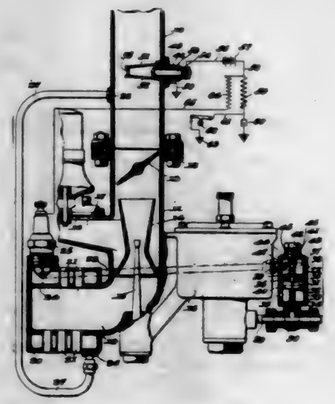
1,556,662. HYDROCARBON MOTOR. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 5, 1919. Serial No. 335,805. 6 Claims. (Cl. 123—122.)

1. In a hydrocarbon motor, the combination with the motor intake pipe and a carburetor connected to the intake pipe and having a fuel nozzle and an air intake, of a combustion heater connected to discharge into said intake pipe above the carburetor nozzle and having heat applying means to heat the air as it enters said air intake, said heat applying means being located at a point in advance of the fuel nozzle.



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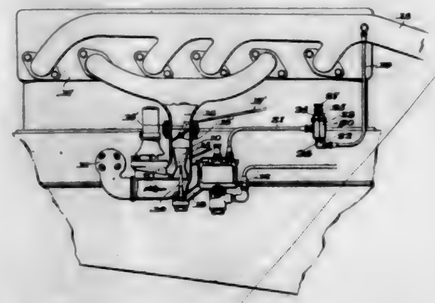
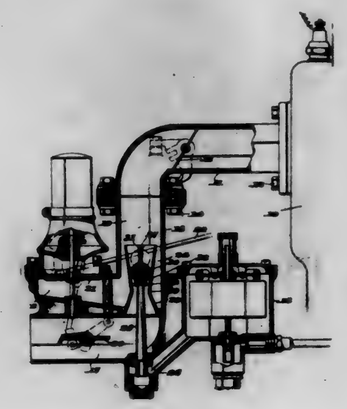
1,556,663. HYDROCARBON MOTOR. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 17, 1919. Serial No. 345,586. 9 Claims. (Cl. 123—119.)



5. In combination, a hydrocarbon motor having an intake manifold and an exhaust manifold, a carburetor communicating with said intake manifold and having a throttle valve, a mixing chamber, a float chamber and a fuel inlet leading from said float chamber to said mixing chamber, a conduit connecting said exhaust manifold with said float chamber for communicating the pressure in said exhaust manifold to said float chamber and a regulating valve in said conduit having means operable upon predetermined pressure in said exhaust manifold to move said valve and substantialy interrupt the communication between said exhaust manifold and said float chamber.

1,556,664. CARBURETOR. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed June 26, 1920. Serial No. 391,954. 7 Claims. (Cl. 261—41.)



1. In a carburetor, the combination with means forming an air passage and a fuel nozzle extending into the air passage and having upper and lower outlets, of a valve movable on the nozzle between said outlets.

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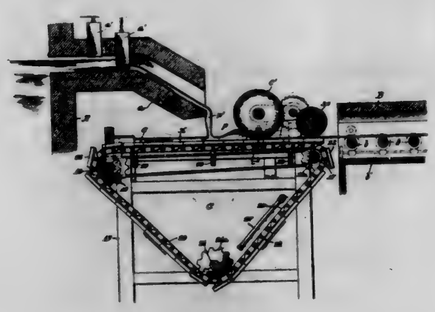
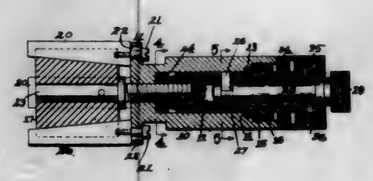
1,556,665. ART OF PRODUCING CONTINUOUS SHEET GLASS. CLARENCE W. AVERY and EDWARD T. BROWN, Detroit, Mich., assignors to Ford Motor Company, Detroit, Mich., a Corporation of Delaware. Filed Apr. 13, 1922. Serial No. 552,095. 25 Claims. (Cl. 49—3.)



1. In the art of producing continuous sheet glass, the method of forming the sheet which consists in establishing an unconfined pool of the molten metal on a flat traveling surface in advance of and leading to a forming pass with the pass dimensions substantially equal to the thickness of the sheet and greater than the width of the sheet, and continually passing metal from the pool through the pass to form the sheet, whereby the unconfined characteristic of the pool will be maintained within the pass with respect to the sheet edges, the pool characteristic being maintained by a continuous supply of metal thereto, the width of the sheet being produced by the natural flow of metal within the pool.

1,556,666. ADJUSTABLE INTERNAL GAUGE. JOHN BATH and STANLEY W. BATH, Worcester, Mass.; said Stanley W. Bath assignor to said John Bath. Filed Apr. 18, 1921. Serial No. 462,142. 8 Claims. (Cl. 33—178.)



1. An adjustable internal gauge comprising an elongated body, an internally threaded sleeve mounted for angular movement only in said body, a head having a projection threaded into said sleeve and having dovetailed guide ways therein inclined toward the axis of the gauge, a plurality of gauge bars mounted in said guide ways, and means to prevent axial movement of said gauge bars relative to said body.

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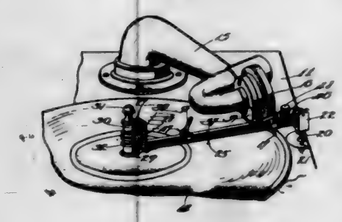
1,556,667. RECORD REPEATER FOR SOUND-REPRODUCING INSTRUMENTS. RUDOLPH BLASCHKE, now by change of name Rudolph Frederick Blash, Chicago, Ill., assignor, by mesne assignments, to Edgar S. Byers, trustee, Cleveland, Ohio. Filed Apr. 2, 1919. Serial No. 286,819. 6 Claims. (Cl. 274—15.)



6. An attachment for sound reproducing machines of the type having a spindle driven turn-table adapted to accommodate a disk record and having a swinging tone arm and a sound box, said attachment comprising a device adapted to be fitted onto the upper end of the turn-table spindle centrally of the turn-table so as to rotate with the latter, and said attachment comprising two arms, one above the other, and adapted to be pivotally supported at the side of the turn-table and to extend inwardly toward the center thereof, the lower arm being a pilot arm having a loose connection with the lower part of the elevating member, and the upper arm being a track arm having means adapted to engage the elevating member so that said arm will be inclined and engage a part movable with the sound box to restore the tone arm to starting position.

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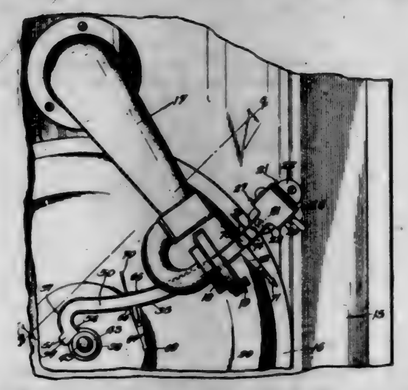
1,556,668. RECORD REPEATER FOR SOUND-REPRODUCING INSTRUMENTS. RUDOLPH BLASH, Chicago, Ill., assignor, by mesne assignments, to Edgar S. Byers, trustee, Cleveland, Ohio. Filed Sept. 18, 1919. Serial No. 324,542. 7 Claims. (Cl. 274—15.)

8. The combination with a sound reproducing instrument having a turn table and a sound box, of means



extended over the turn table below the sound box adapted to raise and lower the sound box, said means being hinged about a horizontal axis to a frame that is secured



to the instrument, and a spring device for holding said means in elevated position when swung upwardly above the turn table, substantially as described.

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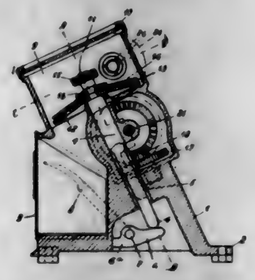
1,556,669. DEVICE FOR SHARPENING PENCILS. JOHANN JAKOB BÖHM, Zurich, Switzerland. Filed July 7, 1924. Serial No. 724,680. 2 Claims. (Cl. 120—95.)



1. In a pencil sharpener a casing, a rotatable pencil holding means journaled in said casing, a spindle journaled in said casing, a disk of abrasive material on said spindle, means to move the spindle endwise and common rotating means for the pencil holding means and the pencil sharpening means.

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1,556,670. PROCESS OF PRODUCING AND SEASONING HYDRATED LIME. DAVID R. BONE, Oglesby, Tex. Filed Sept. 21, 1923. Serial No. 664,069. 4 Claims. (Cl. 23—188.)

1. The process of hydrating lime, comprising placing lump-lime in a screen-bottom car, dipping the car in water, and draining the excess water from the lump-lime through the screen-bottom of the car.

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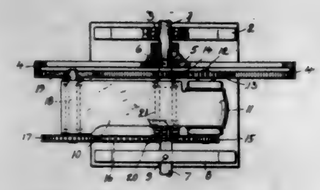
1,556,671. SPEED-CONTROLLING AND DRIVING APPARATUS FOR VARIABLY-LOADED WORKING MACHINES. MADS LIE BOSCHGREVINK, Christiania, Norway. Filed Feb. 1, 1924. Serial No. 690,035. 4 Claims. (Cl. 74—34.)

3. A speed controlling and driving apparatus for variably loaded working machines including a main support, a shaft journaled therein, a wheel, the hub of which is rigid with the shaft while the rim is provided with internal teeth, a stationary shaft having one end mounted in the motor and the other end operably mounted in the hub of the wheel, a secondary support rotatably mounted on the stationary shaft, a motor carried by the



support and including a shaft, gearing between the motor shaft and the stationary shaft, another shaft mounted in the secondary support opposite the motor, a gear on the last mentioned shaft meshing with the internal teeth of the wheel, and means for operably connecting the last mentioned shaft and the motor shaft.

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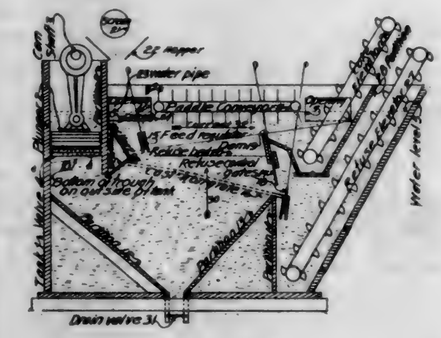
1,556,672. APPARATUS FOR SEPARATING UNBURNED COKE FROM THE PRODUCTS OF COMBUSTION. CHARLES I. BOYER, Ridgway, Pa. Filed Apr. 14, 1922. Serial No. 552,638. 10 Claims. (Cl. 83—79.)




1. In an apparatus for separating substances of different specific gravities, a tank adapted to hold a liquid and having a pump chamber at one end, said pump chamber being open at its lower end and terminating above the level of the bottom of the tank, a vertically reciprocating plunger working in the pump chamber, said pump chamber having an opening in a side wall thereof below the level of the plunger when at the end of its downward stroke, said tank also having a lateral opening adjacent to its end remote from the pump chamber, said second named opening being located at a higher level than the first named opening, a conduit leading from the second named opening to the first named opening, an inwardly opening flap valve controlling said first named opening, a grating disposed within said tank between the lower end of said pump chamber and said second named opening, means for discharging a mixture comprising substances of different specific gravities into the tank above the grating, and means for discharging

liquid under pressure into the tank at the first named end of the latter in such manner as to cause a horizontal movement of the liquid in the tank above the grating toward the second named end of the tank.

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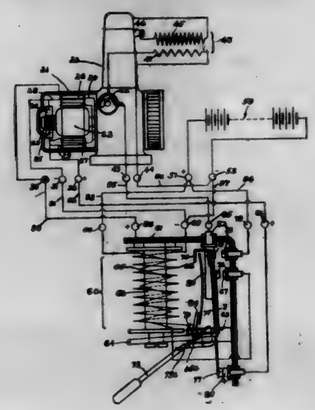
1,556,673. ELECTRICAL SYSTEM. HENRY P. BRABUTIGAM, Dayton, Ohio, assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed May 12, 1919. Serial No. 296,503. 13 Claims. (Cl. 290—35.)



1. In an electrical system, the combination with an engine; of a dynamo operable as a motor to start the engine, or as a generator driven by the engine; a storage battery; and a controller comprising a support of conducting material, means establishing a circuit through said support for connecting the battery with the dynamo to operate the same as a motor, and means for establishing a second circuit, not including said support, for connecting the battery with the dynamo when operating as a generator.

6. In an electrical system, the combination with an engine; of a storage battery; a dynamo adapted to operate with either shunt or compound characteristics, and operable as a motor to crank the engine or as a generator driven by the engine to charge the battery; means including a controller for connecting the dynamo with the battery, said controller having a shunt winding, manually controlled means movable from a first position into a second position for establishing a main circuit between the battery and dynamo and for connecting said shunt winding in parallel with the dynamo, and magnetic means controlled by said shunt winding for conditioning another main circuit between the battery and dynamo whereby said second-mentioned main circuit may be established upon the return of said manually-controlled means to its said first position to change the operating characteristics of the dynamo.

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1,556,674. ELECTRICAL APPARATUS. JOHN G. CAMPBELL, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 24, 1923. Serial No. 621,092. 4 Claims. (Cl. 172—279.)

1. A commutator short-circuiting device for an electric motor comprising, in combination, a rotatable member including a plate carried by the rotatable member and located adjacent the commutator of the motor, a second plate longitudinally movable with respect to the shaft of the motor, one of said plates being provided with a camming surface; a weight interposed between said plates and pivotally mounted upon said rotating member, a member carried by said weight and adapted to engage one of said plates and the camming surface of the other

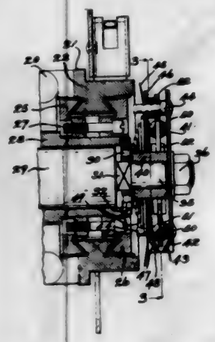

plate for moving said movable plate, and a contact operated by the movable plate for engaging the bars of the commutator.

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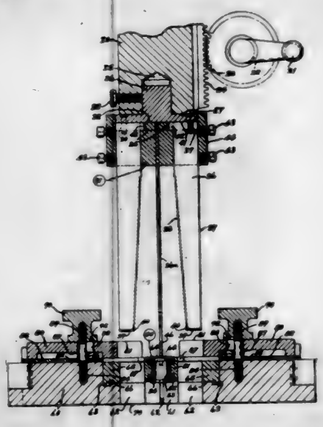
1,556,675. COMMUTATOR-SLOTTING APPARATUS. JOHN J. CARTER, Anderson, Ind., assignor to General Motors Corporation, a Corporation of Delaware. Filed Oct. 31, 1923. Serial No. 672,008. 2 Claims. (Cl. 90—33.)



1. Commutator slotting apparatus comprising in combination, a plurality of tools each adapted to slot a commutator segment, a tool holder adapted to be connected with said tools and maintain them in spaced relation, a work holder including a clamping member having a portion movable laterally toward the commutator and movable longitudinally thereof to clamp the commutator in position, and a common operating member for moving said clamping member in both directions.

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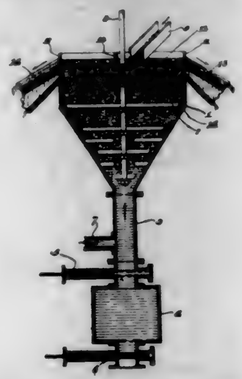
1,556,676. METHOD FOR SEPARATING MATERIALS. THOMAS M. CHANCE, Philadelphia, Pa. Filed Aug. 31, 1923. Serial No. 660,428. 2 Claims. (Cl. 83—85.)

1. A method for separating materials of different specific gravities which consists in immersing said materials in a maintained suspension in liquid of comminuted solid matter of greater specific gravity than said liquid and substantially insoluble therein, and constituting a fluid mass having a specific gravity materially greater than that of the lightest of said materials, the quantity of said materials so immersed being sufficient to form a zone of floating materials of such thickness as to permit said floating materials to stratify in the order of their relative specific gravities; in maintaining the lower portion of said zone of floating materials as a baffle to prevent the heavier falling materials from carrying down the lightest of said materials floating at the top of said fluid mass; in causing materials of greater



specific gravity than said fluid mass to sink to the lower part of said fluid mass; in removing the lighter materials floating in the upper portion of said zone of floating materials and in separately removing the materials comprising the lower parts of said zone of floating materials, whereby differential separation of the said floating materials is effected into grades of different specific gravities, and in separately removing said heavier materials from the lower part of said fluid mass.

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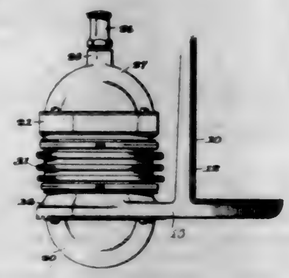
1,556,677. MOTOR VEHICLE. HAROLD D. CHURCH, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed June 6, 1919. Serial No. 302,125. 11 Claims. (Cl. 267—29.)



1. A spring shackle having spherically curved surfaces on the parts to be connected and having a shackle member provided with spherical members interfitting with the corresponding spherical surfaces of said parts and resilient means carried by said shackle for seating said interfitting parts.

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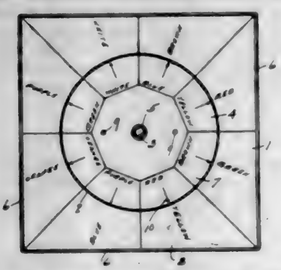
1,556,678. GAME. WILFRID E. DIBBLE, River Rouge, Mich. Filed Aug. 5, 1925. Serial No. 48,187. 2 Claims. (Cl. 273—142.)

1. A game comprising a base having a central circular recess; a disc wheel rotatably mounted within the recess the upper surfaces of the wheel and base falling in the same plane and being divided into a plurality of radially aligned sections, the said section of the wheel



and base being colored, and individually distinguished, by like colors, but arranged in diverse order as between the wheel and base.

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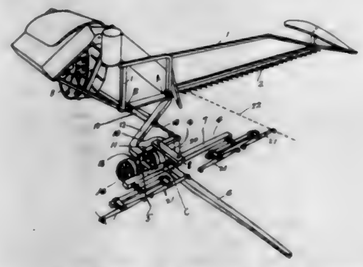
1,556,679. DRAFT-HITCHING DEVICE. JOHN THOMAS DOOLAN, Vancouver, British Columbia, Canada. Filed Oct. 20, 1922. Serial No. 595,859. 4 Claims. (Cl. 280—82.)



1. The combination with a binder, of a crossbar disposed in front thereof and connected thereto by a connection extending between its inner end and the binder, said crossbar being adapted to permit hitching of the draft thereto at a point between the inside of the binder truck and the grain line.

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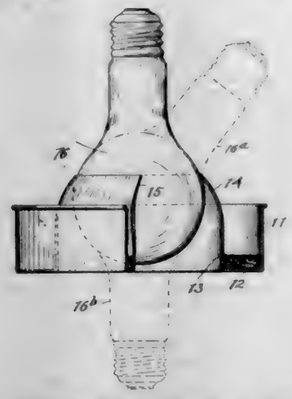
1,556,680. COMBINED AIR PURIFIER AND REFLECTOR. FRANK C. DORMENT, Wellington, Ohio. Filed Sept. 21, 1923. Serial No. 663,969. 6 Claims. (Cl. 219—45.)



2. A vaporizing pan comprising an annular trough having an outer substantially circular wall and an inner wall concentric with the outer wall, the major

portion of the inner wall being of a diameter materially greater than the enlarged portion of an electric light bulb and tapering inwardly adjacent its upper edge to an opening of less diameter than at the bottom whereby the upper edge portion of said wall forms a supporting seat engageable with a rounded portion of a lamp bulb to support the pan therefrom at various angles with respect to the axis of the bulb.

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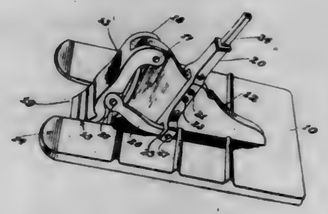
1,556,681. TRACK LINER. JOHN F. ELLIOTT, Allerton, Iowa. Filed May 20, 1924. Serial No. 714,658. 3 Claims. (Cl. 254—44.)



3. In a track liner, the combination of a base plate provided at its forward end with a notch and having a bracket plate rising therefrom to overhang said notch, a hand lever pivoted at a point between its ends upon the bracket plate, a lifting arm pivoted at its upper end upon the bracket plate above the notch and provided at its lower end with a toe normally accommodated in the notch, and means secured to the forward end portion of the lever and to the lower end portion of the arm connecting the lever and arm to swing in unison and movable to closely approach an alined position with respect to the lever as the lower end of the arm is swung upwardly.

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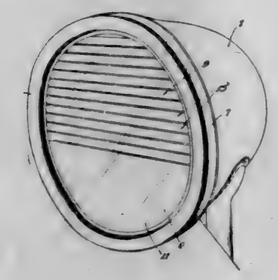
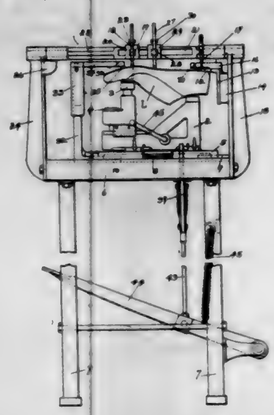
1,556,682. HEADLIGHT SCREEN. WILLIAM A. FARISH, Norfolk, Va., assignor to Owl Headlight Screen Co., Inc., Norfolk, Va., a Corporation of Virginia. Filed Nov. 7, 1922. Serial No. 599,567. 4 Claims. (Cl. 240—48.4.)



1. A headlight screen comprising a frame having spaced corrugated flanges, and louver slats seated and supported at their ends in the valleys of the corrugations in said flanges.

1,556,683. WORK-POSITIONING APPARATUS. MARK E. FERNALD, Saugus, Mass., assignor to C. C. Blake, Incorporated, Boston, Mass., a Corporation of New York. Filed Nov. 22, 1918. Serial No. 263,741. 14 Claims. (Cl. 33—180.)



4. In an apparatus for gaging the position of work consisting of a last, shoe, or the like, a device for engaging a lateral face of the work, and a carrier supporting said device and mounted for reversal to enable said device to engage either side of the work.

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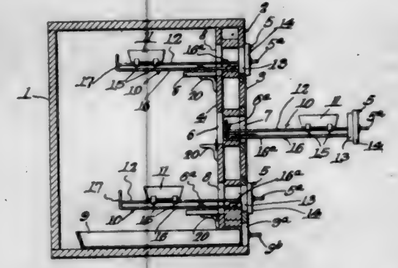
1,556,684. DISTRIBUTING TRAY. CLAYTON M. GARDNER, St. Regis Falls, N. Y. Filed Dec. 10, 1924. Serial No. 755,112. 3 Claims. (Cl. 24—9.)



1. A refrigerating chamber having a double wall with registering openings in the sections thereof, a tray mounted to slide through said openings, a closure for the opening in the outer section carried by the outer end of said tray, a hinged closure for the opening in the inner section, cooperating means carried by said hinged closure and said tray to be engaged on the outward movement of the tray so that said closure will be positively closed by the movement of the tray to its extreme outward position, the closure carried by the tray being adapted to close the opening in the outer section when the tray is moved to its extreme inward position.

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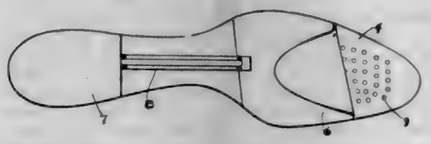
1,556,685. INNERSOLE. THOMAS M. GUNAN, Lebanon, Ohio. Filed Feb. 26, 1924. Serial No. 695,317. 1 Claim. (Cl. 36—44.)

An integral inner sole for sewing onto the bottom soles and uppers of shoes in the course of construction, comprising a relatively flexible body portion having the ball and toe thereof for length-wise and side-wise flexibility perforated with cylindrical apertures at substantially uniform distances from the edge to provide a rim for the reception of stitches for attachment to





the bottom sole and upper of a shoe, a moisture proof layer of material to lie between the bottom sole and inner sole, an arch supporting element attached to the bottom, and a layer of material upon the upper portion of the inner sole used as a finisher thereof.

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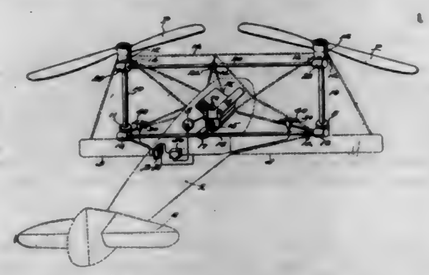
1,556,686. AIRPLANE. RANDOLPH F. HALL, Ithaca, N. Y., assignor of one-fourth to Theodore P. Hall, Wallingford, Conn. Filed Oct. 8, 1924. Serial No. 742,400. 38 Claims. (Cl. 244—25.)



1. In aircraft, a plurality of propellers, a power plant, a main drive mechanism from said power plant to each of said propellers, respectively and an auxiliary drive mechanism connecting the main drive mechanism to said propellers, said auxiliary drive operative to drive any one of said propellers upon failure in the respective main drive mechanism therefor.

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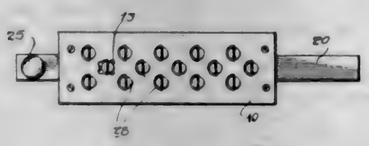
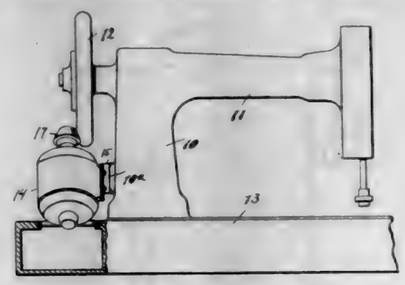
1,556,687. LOCK. DRED P. HAYNES, Anniston, Ala. Filed Nov. 11, 1924. Serial No. 749,349. 4 Claims. (Cl. 70—53.)



1. A base plate having a longitudinal channel extending therealong, a liner seated in said channel and having a similar longitudinal channel, a cover plate extending over said liner, said liner, base plate and cover plate being secured together to form a longitudinal slot, a locking bolt slidable in said slot, said base plate, liner and cover plate being provided with aligned openings, said openings being arranged to lie with their centers on the edges of the longitudinal slot, the bolt having semi-circular recesses spaced to conform to said openings, cylindrical pins extending through said openings and cutaway diametrically opposite said bolt, heads on said pins having combination indicia thereon, and means to hold said pins in said openings.

1,556,688. MOTOR ATTACHMENT FOR SEWING MACHINES. FOSTER F. HILLIX, Cleveland, Ohio, assignor to White Sewing Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 5, 1922. Serial No. 549,830. 2 Claims. (Cl. 74—26.)



1. In combination with a sewing machine having a head with a hand wheel, a motor, and a bracket securing the motor to the head, said motor having a tapered pulley frictionally engaging the hand wheel and secured on the motor shaft so that it may be adjusted lengthwise thereof to vary the pressure of the pulley on the hand wheel.

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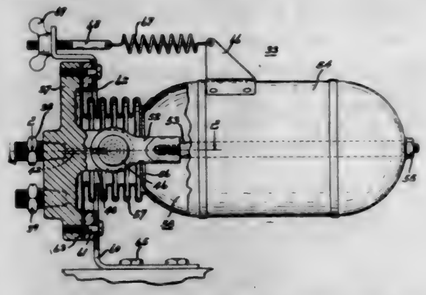
1,556,689. REFRIGERATING APPARATUS. HARRY B. HULL, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 23, 1923. Serial No. 670,353. 4 Claims. (Cl. 137—68.)



1. In a liquid flow controlling device of the class described, a stationary end plate; a hollow oscillating liquid receiving member; a flexible connection between said member and said end plate and valve mechanism located within the space enclosed by said liquid receiving member and said flexible connection for controlling the flow of liquid into and out from said liquid receiving member.

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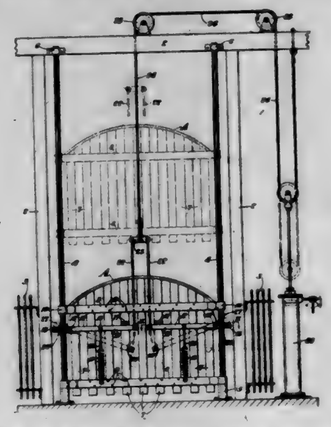
1,556,690. SAFETY CATCH FOR MINE GATES. GUSTAVE E. HUTTLE, Scottdale, Pa. Filed Feb. 29, 1924. Serial No. 696,074. 2 Claims. (Cl. 39—63.)

1. The combination with a pair of cylindrical guide posts and a vertically movable gate having a sliding guide connection with said posts, of means for moving said gate vertically and means for preventing the falling of said gate if said lifting means should fail, said means comprising a pair of transverse levers pivotally mounted on said gate, a coil spring secured to each of said levers and to said gate for exerting a constant downward pull on said levers, a step secured to said gate above each of said levers and adapted to limit their upward movement to the horizontal, a pair of lifting rods having their lower ends pivotally connected to the inner ends

of said levers and having their upper ends pivotally secured to a suitable cross head, a lifting cable secured to said cross head and connected to a suitable power means for lifting said gate, said levers each being composed of two bars, one being disposed on each side of said gate, said bars being bent outwardly adjacent their



outer ends to form spaced jaws, and a relatively hard metal locking plate removably secured between said spaced jaws and encircling said posts, said plates having side lugs projecting through suitable slots in said jaws and having their ends bent at right angles to the main body portion of the plate, said ends being bent in opposite directions and serving as strengthening flanges.

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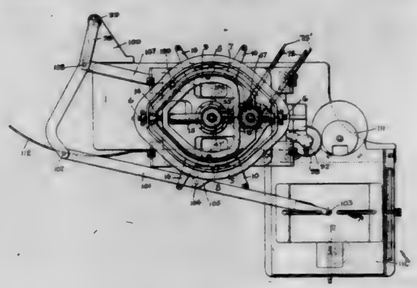
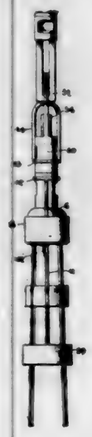
1,556,691. PUNCH-CUTTING MACHINE. MAURITZ C. INDAHL, Philadelphia, Pa., assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Feb. 15, 1923. Serial No. 619,219. 12 Claims. (Cl. 90—13.1.)



1. A punch cutting machine comprising a tracer lever suspended to swing in all directions whereby its tracer may follow a pattern; a slidable member; adjustable means connecting the lever and member whereby movement of the lever in one direction will drive the member in said direction; a second slidable member, adjustable means connecting the lever and said second member whereby movement of the lever in a direction at right angles to said first named direction will drive the second member in said right angle direction; a holding device connected with said members to be driven thereby whereby the motion of said device will correspond to the motion of said tracer, the proportional degree of motion of the device in either of the two said directions being dependent upon the particular adjustment of said two connecting means.

1,556,692. FISHING TOOL. EDWIN B. KARN and LAWRENCE J. LEUTHART, Osage, Wyo. Filed Apr. 18, 1922, Serial No. 554,847. Renewed Mar. 30, 1925. 9 Claims. (Cl. 294—100.)



1. A fishing tool comprising a head, a plurality of forwardly directed arms secured thereto and having gripping means, a sleeve surrounding said arms and having inwardly directed cam engaging the arms and adapted for moving the same inwardly, and means whereby to advance the sleeve, said arms being provided with slots having inclined walls engaging the edges of said cams.

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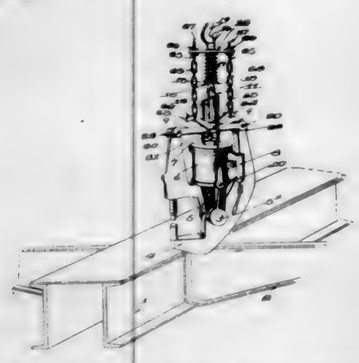
1,556,693. LIFTING ATTACHMENT FOR RIVETING MACHINES. DAVID KENNEDY, Richmond, Va. Filed June 20, 1924. Serial No. 721,264. 4 Claims. (Cl. 78—19.)



1. In combination, a vertically movable machine comprising a pair of elongated body members, a horizontal pivot element connecting said elongated members so that said members terminate at their upper ends above the level of the pivot element, a vertically reciprocable member disposed between the upper end portions of said elongated body members, a flexible suspension device having connection with said pivot element, toggle arms pivotally connected at their inner ends to said vertically reciprocable member and pivotally connected at their outer ends to the upper ends of said body members, and means for connecting said vertically reciprocable member to said suspension device at a point on the latter above the level of the upper ends of said body members.



1,556,694. PAINT AND VARNISH REMOVER AND PROCESS. CLAUDE A. KING and CARL M. WARLICK, Durham, N. C., assignors to Clean Wash Paint and Varnish Remover Co., Inc., Syracuse, N. Y., a Corporation of New York. Filed June 7, 1921. Serial No. 475,755. 6 Claims. (Cl. 87—5.)

3. A process of removing paint or varnish coating from coated surfaces, which comprises applying to the surface a liquid comprising a concentrated solution containing an alkali metal hydroxid, also containing an alkaline earth metal hydroxid, common salt, and oil capable of masking the odor, thereafter sprinkling the surface with a small amount of aqueous liquid, allowing chemical action to take place and thereafter removing the reaction products.

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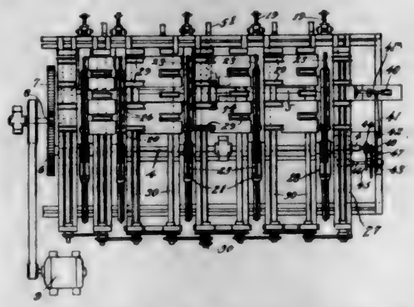
1,556,695. SHEET AND PLATE PILING DEVICE. KRISTIAN KRONBORG, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed Oct. 25, 1923. Serial No. 670,795. 11 Claims. (Cl. 214—6.)



1. A device capable of lifting and conveying sheets or plates of a desired material from a suitable conveyor table, comprising lifting bars operating in a horizontal position, having a lifting movement, a transporting movement, and a return movement, carrying said sheets or plates in a horizontal position to an adjacent stack or pile upon a truck or other means of transportation, and means for operating said lifting bars, said operating means comprising rings operating upon eccentrics mounted upon rotatable shafts, and means for enforcing a parallel motion at one side of the rings, and connected to the lifting bars at the other side of said rings.

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1,556,696. DENTAL FILLING MATERIAL. PAUL W. KRUGER, Boyett, Miss. Filed Feb. 6, 1925. Serial No. 7,408. 10 Claims. (Cl. 106—6.)

2. A dental cement composition consisting of a cement powder and a liquid in which guaiacol is the setting agent having setting reaction with said powder in forming a hardened mass.

10. A dental cement comprising a powder suitable for dental uses, which comprises kaolin and magnesium oxide, and a liquid in which guaiacol is a setting agent that reacts with the powder to harden with it.

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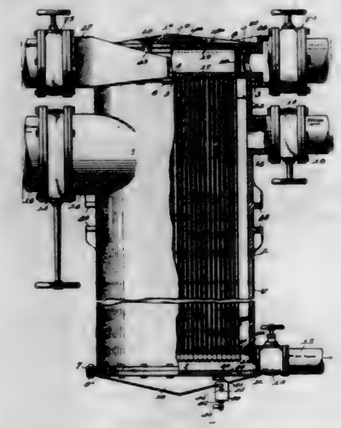
1,556,697. STANDARD-UNIT MARINE CONDENSER. RICHARD L. LEACH, New Orleans, La. Filed Aug. 19, 1922. Serial No. 582,976. 3 Claims. (Cl. 257—221.)

1. In an apparatus of the character described, a vertically disposed substantially cylindrical casing closed at its lower end, said casing having an outlet adjacent to its lower end and an inlet at a higher level, a header closing the upper end of the casing, said header being provided with a serpentine partition extending between the sides thereof and dividing the interior of the header into two compartments, one of said compartments being provided with an inlet and the other compartment being provided with an outlet, and a plurality of con-



ducting tubes of substantially U-shaped formation, each of said tubes being connected with the header to provide communication between the two compartments of the header.

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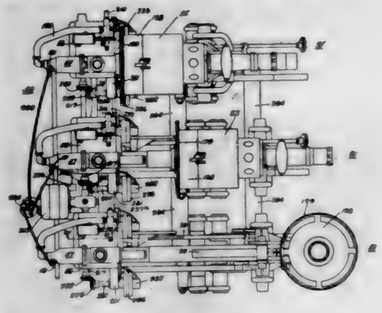
1,556,698. FURNACE. CHARLES L. LEE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed July 3, 1922. Serial No. 572,504. 100 Claims. (Cl. 266—5.)



6. In a furnace, the combination with a shell and a cover therefor, said shell and cover adapted to support a hollow body to be treated with its exterior walled off from the interior, said cover having an opening providing access to the interior of the body; of a burner having a flame tube adapted to project through said burner and into said body; and means providing for retracting said shell from said tube to permit opening said cover and removal of said body.

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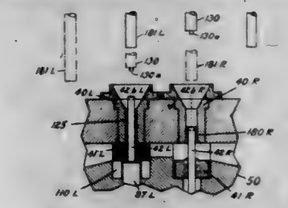
1,556,699. MOLDING MACHINE. CHARLES L. LEE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 9, 1923. Serial No. 637,819. 43 Claims. (Cl. 18—16.)

2. In a machine of the kind described, the combination with means for receiving finely-divided material, including a mold and a removable end member therefor; means

for periodically moving the end member against the mold; a wedge periodically operable to clamp said member rigidly against the mold; a plunger for compressing the



material in the mold while said end member is rigidly clamped against the mold; and another plunger for ejecting the compressed material from the mold when the member is separated from said mold.

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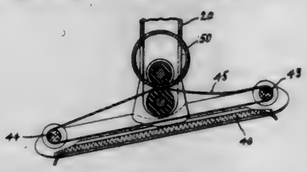
1,556,700. DOMESTIC APPLIANCE. RALPH L. LEE, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 15, 1923. Serial No. 675,016. 3 Claims. (Cl. 68—32.)



3. In a wringer, the combination with a pair of rolls for engaging articles to be wrung, one of said rolls being provided with spaced annular grooves; of a supporting frame having grooves in alignment with the grooves in the grooved roll; and rings of greater diameter than that of the grooved roll received by the grooves in said roll and in the supporting frame and movable with the articles for preventing articles sticking to the grooved roll.

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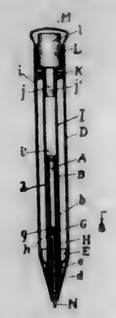
1,556,701. MECHANICAL PENCIL. JOHN G. LIDDELL, Everett, Mass., assignor to The Moore Pen Co., Boston, Mass., a Corporation of Massachusetts. Filed May 10, 1924. Serial No. 712,465. 1 Claim. (Cl. 120—18.)

In a mechanical pencil, a longitudinally slotted guide tube; a hollow screw revolubly mounted upon the tube and having a thread of one pitch from its rear end to near its forward end and a thread of a greater pitch for the balance of its length; a slotted carrier mounted within the tube and having an actuating stud passing through the slot of the tube into the hollow screw-thread; a plunger mounted within the slotted carrier and having a stud projecting through the carrier slot, the tube slot and into the hollow screw thread, in advance of the carrier stud, the carrier and plunger being independently and positively actuated by the hollow screw, as and for the purpose described.

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1,556,702. METHOD OF SECURING A METALLIC COMPOSITION TO METAL MEMBERS. EVRAH C. LIPPS, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 10, 1924. Serial No. 685,361. 10 Claims. (Cl. 219—10.)

1. The process of attaching alloy tips to metal members which consists in first positioning the tip on the member; then in passing a heating current through the member to heat the tip by conduction; and thereafter passing welding current through the member and the tip.

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1,556,703. PROCESS OF FIBRATING ASPHALT. ALAN R. LUKENS, Wyoming, Ohio, assignor to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed Jan. 4, 1923. Serial No. 610,704. 3 Claims. (Cl. 106—31.)

1. A process of hardening and toughening asphalt or the like bituminous body, which consists in mixing a bitumen and finely divided matter having abrasive qualities, independently thereof, mixing a bitumen and fibrous material, and finally placing the two mixed masses together and mixing them, whereby the abrasive quality of the matter against the fibrous material is reduced in said final mixing.

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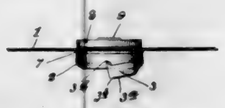
1,556,704. DIAPHRAGM FOR MECHANICAL HORNS. WILLIAM H. MCBARRON, Orange, N. J., assignor to Klaxon Company, a Corporation of Delaware. Filed May 3, 1922. Serial No. 558,150. 4 Claims. (Cl. 116—142.)



3. A diaphragm of thin spring steel and riveted thereto, a wear piece comprising a head portion having an integral shank riveted through the diaphragm and through a washer on the rear side thereof, the shank and head element being formed with a fillet at the base of the shank, in combination with a spacing washer between the head and the diaphragm, having a thickness at least as great as the height of the fillet and an internal diameter at least as great as the base diameter of the fillet.

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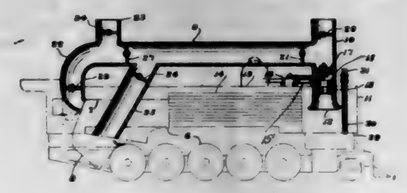
1,556,705. MEANS FOR PROMOTING COMBUSTION AND ECONOMIZING IN FUEL CONSUMPTION. ROLAND A. MELVIN, Wilmington, Del. Filed Mar. 18, 1922. Serial No. 544,874. 1 Claim. (Cl. 110—49.)

The combination with a boiler structure including a fire-box, ash box, smoke box, and a smoke outlet stack for atmospherical communication, a branch pipe communicating with said outlet stack and having communication with the interior of said fire-box, a second branch pipe formed on said first named branch pipe and having communication with said ash box, a relatively short branch pipe having communication with said first named branch pipe and having atmospherical communi-





cation, and valves arranged one in each of said branch pipes and one in said stack and other valves arranged in said first named branch pipe whereby either the second mentioned or relatively short branch pipe may be cut off from active communication with the major portion of the first named branch pipe.

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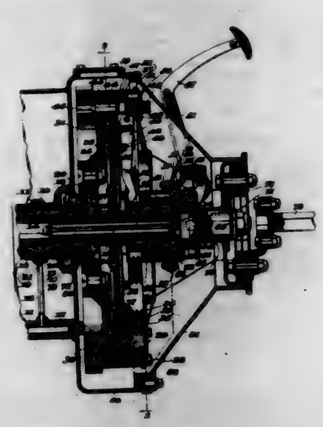
1,556,706. DRIVING MECHANISM FOR MOTOR VEHICLES. ALFRED MOORHOUSE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed June 26, 1920. Serial No. 391,988. 7 Claims. (Cl. 192—113.)



4. In combination, a hollow driving shaft, a driven shaft, a clutch to connect said shafts having a release bearing, a source of lubricant, means to lubricate the release bearing from said source through the hollow shaft, and means to return lubricant from the bearing to said source.

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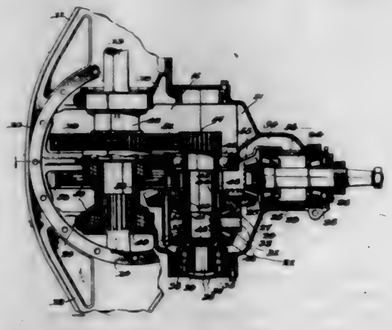
1,556,707. MOTOR VEHICLE. ALFRED MOORHOUSE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed May 21, 1921. Serial No. 471,519. 9 Claims. (Cl. 74—99.)

1. In a driving axle, a drive shaft, driven shafts, differential gearing operatively connected to said drive shaft, spur gears splined on the driven shafts operatively connected to the differential gearing, and bearings on



each side of each of said spur gears and adjacent thereto, the gears being mounted in the bearings independently of the shafts.

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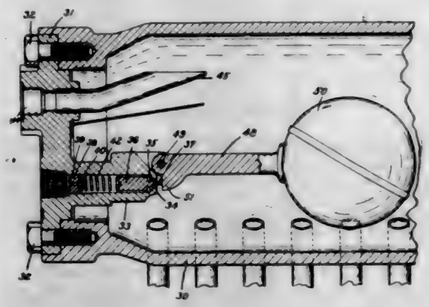
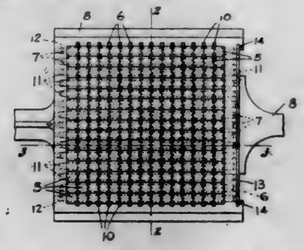
1,556,708. REFRIGERATING APPARATUS. ROBERT G. OSBORN, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 8, 1923. Serial No. 666,248. 1 Claim. (Cl. 137—104.)



In refrigerating apparatus of the class described, a vessel adapted to contain a liquefied refrigerating material, a boss carried by a wall of said vessel and extending thereinto, and having a liquid supply duct extending therethrough and through which liquid is supplied to the interior of said vessel, said duct being screw threaded at its outer end, and having a valve seat at its inner end, a valve arranged within said duct and adapted to cooperate with said valve seat, a spring located within said duct and one end of which acts upon said valve, a threaded abutment arranged within said duct and in engagement with the threaded portion thereof, and against which the other end of said spring abuts, and a float member located within said vessel and supported from the inner end of said boss and cooperating with said valve to control the same, said duct being internally threaded exteriorly to the adjustable abutment aforesaid to permit a liquid supply conduit to be detachably connected therewith.

1,556,709. MATRIX-CASE EQUIPMENT FOR TYPE-CASTING MACHINES. FRANK HINMAN PIERPONT, Salfords, Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed June 21, 1923. Serial No. 646,980. 6 Claims. (Cl. 199—76.)



1. A die case equipment comprising a series of parallel bars, a series of parallel rods arranged at right angles to the bars and passing through openings therein and a series of matrices each provided on two opposite sides with grooves to receive the bars and with a central transverse opening to receive one of the rods said matrices being supported by both bars and rods.

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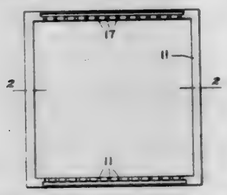
1,556,710. EQUIPMENT FOR HANDLING TYPE MATRICES. FRANK HINMAN PIERPONT, Salfords, Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed June 21, 1923. Serial No. 646,981. 10 Claims. (Cl. 199—76.)



1. Apparatus for facilitating the handling of type matrices comprising a transferring frame adapted to enclose a group of matrices, a receiving or assembling tray or plate adapted to receive the matrices and retain them in position and a lifting bar or holder adapted to engage and separately support a line or series of matrices.

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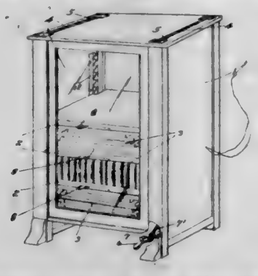
1,556,711. SHELF CABINET. ZIEGMUND PETERS PIETRZYCKI, Klamath Falls, Oreg. Filed Mar. 17, 1924. Serial No. 699,922. 3 Claims. (Cl. 211—14.)



1. A rectangular cabinet having sides, top and back, said sides being loose panels vertically slidable, loose superimposed shelves within the cabinet each having means thereon for engaging the panels for vertical movement therewith, and means for moving both panels simultaneously, said panels being accessible through openings in the top of the cabinet and adapted therethrough to work the similar panels of a similar cabinet placed on top thereof.

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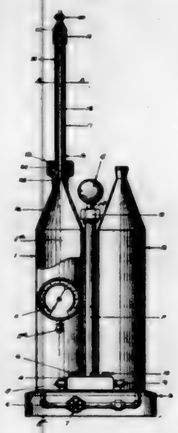
1,556,712. PORTABLE GAS TESTER FOR THE DETERMINATION OF GASOLINE CONTENT OF NATURAL GAS. ROSCOE PONSLER, Tulsa, Okla., assignor of one-fourth to Benjamin Estell Allison, Tulsa, Okla. Filed June 14, 1921. Serial No. 477,489. 2 Claims. (Cl. 23—256.)



1. A gas tester comprising a water vessel, a compression vessel, a pump having a pump base provided with suction and discharge valves and suction and discharge pipes connecting the pump base with the vessels and a bypass connection having a valve and connecting the vessels.

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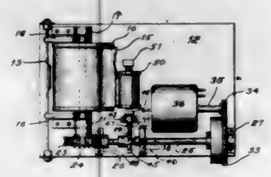
1,556,713. CHANGEABLE EXHIBITOR. MYRICK W. PULLEN, Baltimore, Md. Filed May 12, 1922. Serial No. 560,341. 5 Claims. (Cl. 40—53.)



1. In a changeable exhibitor, the combination with means for exhibiting signals and mechanism for operating said means, of a spring secured at one end to said mechanism for moving said mechanisms, a source of power for moving the other end of said spring and a magnet for controlling the movements of said mechanism, said source of power continuously applying a force to said last named end greater than the force of said spring.

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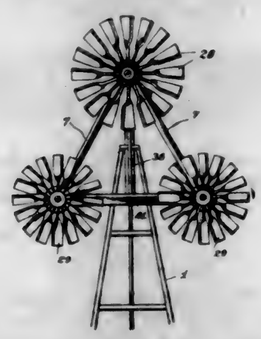
1,556,714. COMPOSITION FOR PREVENTING ACCUMULATION OF MOISTURE. RICHARD V. RIDGELY, Cumberland, Md. Filed Aug. 20, 1924. Serial No. 733,283. 2 Claims. (Cl. 134—27.)

1. A coating paste to prevent the accumulation of moisture upon the exposed surface of glass panes comprising a mixture of soap, glycerine, water glass, and water.



1,556,715. WINDMILL. WILLIAM MONROE RIGGS, Willcox, Ariz. Filed July 17, 1924. Serial No. 726,624. 2 Claims. (Cl. 170—38.)



1. In a windmill construction, an inverted V-shaped frame formed of a plurality of connected tubular housings and comprising an upper horizontal housing, a housing extending downwardly and outwardly from each side of the upper housing, and a horizontal housing connected intermediate its ends to the lower end of the downwardly extending housing, and a shaft housing extending vertically downward from the upper horizontal housing and forming a rotatable support for said frame, operating means connected in the housings and driving windmills connected to the operating means at each end of the horizontal housings.

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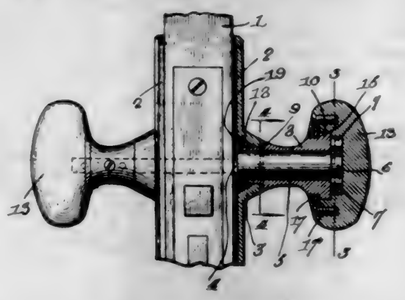
1,556,716. DOORKNOB. EUTROP ROBICHAUD, Chatham, New Brunswick, Canada. Filed Sept. 27, 1924. Serial No. 740,419. 1 Claim. (Cl. 292—348.)



A door knob comprising in combination with a lock plate having a conical abutment, a sleeve having a threaded end received in said abutment, a conical nut applied to said threaded end, a shank rotatably mounted in said sleeve, a spindle carried by said shank, a plurality of lugs extending from the outer end of said shank, a bulb applied over said lugs in locking engagement therewith, and a locking ring loosely surrounding said sleeve and secured to said bulb.

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1,556,717. SNUBBER FOR VEHICLES. ZEPHANIAH ROBINSON, Mineral Wells, Tex., assignor to Steer Esy Snubber Company, Dallas, Tex., a Corporation of Texas. Filed Aug. 18, 1924. Serial No. 732,624. 4 Claims. (Cl. 267—69.)

1. A snubber for vehicles comprising a master spring and a seat formed by said spring in the lower end thereof, means for connecting the said spring to a rigid portion of the vehicle body, tensioning means consisting of a headed tension rod within said spring and projecting from the lower end of said spring and a supplemental

inner spring mounted on said tension rod between the head of said rod and said seat and supported by said seat, and means for connecting said tension rod to the axle of the vehicle.

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1,556,718. PNEUMATIC CONVEYER. ANDREAN G. RONNING and ADOLPH RONNING, Minneapolis, Minn. Filed Aug. 20, 1923. Serial No. 658,364. 11 Claims. (Cl. 302—37.)

1. The combination with a pipe for filling silos and the like, of a blower at the lower end of the pipe and connected therewith, means carried by the blower for delivering material thereto from a relatively lower level, and means for adjusting the position of the blower vertically with respect to the pipe.

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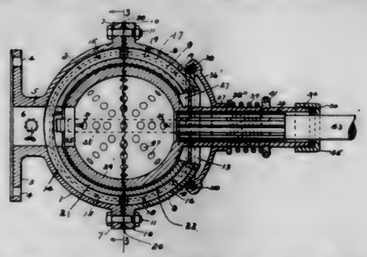
1,556,719. UNIVERSAL BALL JOINT. JAMES K. ROBINSON, Jacksonville, Fla. Filed Sept. 4, 1923. Serial No. 660,925. 1 Claim. (Cl. 64—91.)

In a universal joint, of the class described; an outer, hollow, spherical member consisting of two parts bolted together, one of said parts provided with a hollow attaching means, the other provided with a conical opening; an intermediate, hollow, spherical member also consisting of two parts, one of said intermediate parts provided with an opening aligning with the said attaching means, the other intermediate part provided with a conical opening aligning with the conical opening in the outer member; an inner, hollow, spherical member provided with an opening communicating with its interior and aligning with the openings in the intermediate part and the attaching means, for the purpose of lubrica-

tion; an operating shaft rigidly attached to the said inner member and projecting through the conical openings in the other members; co-operating grooves formed



in the outer, intermediate and inner members, the said grooves in the outer and inner members being at right angles to each other; and keys operating in said grooves forming a driving connection therebetween.

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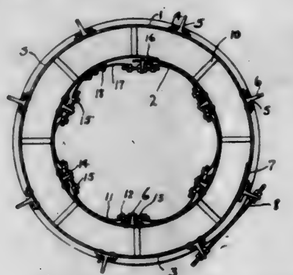
1,556,720. ADJUSTABLE FORM FOR CONCRETE STRUCTURES. CURTIS C. SANER, Houston, Tex. Filed May 31, 1923. Serial No. 642,428. 4 Claims. (Cl. 25—127.)



1. A form for molding concrete walls comprising inner and outer spaced walls made up of a series of oblong rectangular plates, having a predetermined number of regularly spaced plates tapered upwardly, means to hold said plates together and means to brace the plates of the inner wall radially outward, comprising straps of metal secured along the line of connection between the plates and means to compress said straps longitudinally thereof and thus force the said straps into supporting position against the plates in the manner described.

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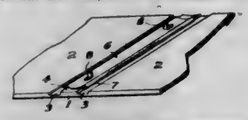
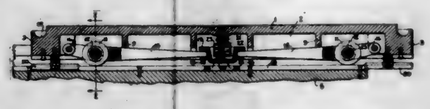
1,556,721. BOOK COVER. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Filed Apr. 28, 1925. Serial No. 26,371. 3 Claims. (Cl. 129—24.)



1. A book cover for a loose leaf structure, comprising a single piece of material having longitudinal channels extending throughout the length of the book between the back portion and the cover portions, whereby a ridge is formed constituting the inner face of the back portion, said ridge having slits formed in its opposite side edges, and a metal sheath upon the face of this ridge and having inturned flanges extending within said slits and provided with means for attachment to a loose leaf structure.

1,556,722. PROFILING MACHINE. HOWARD B. SCOTT, Dayton, Ohio, assignor, by mesne assignments, to Pratt & Whitney Company, Hartford, Conn., a Corporation of New Jersey. Filed Mar. 2, 1923. Serial No. 622,426. 8 Claims. (Cl. 90—59.)



1. In a machine of the class described, the combination of a sliding table, stationary ways upon which said table is adapted to be moved, and a plurality of rollers adapted to relieve said ways of a portion of the load and means to compensate the load taken by each of the rollers.

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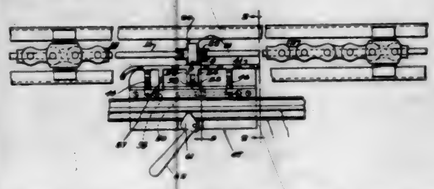
1,556,723. CONVEYER SYSTEM. ALFRED H. SHAFFER, Riverside, Ill., assignor to The Allbright Nell Company, Chicago, Ill., a Corporation of Illinois. Filed July 19, 1923. Serial No. 652,518. 5 Claims. (Cl. 198—38.)



1. In a conveying system, in combination with a carriage having load releasing means thereon, an actuating device for said load releasing device comprising a tripping member movable into and out of cooperative position respective to said load releasing means, tension means normally retaining said tripping member in inoperative position, and an elongated shoe depressible bodily by selective means on said carriage and having operative connection with said tripping member to positively move the latter into operative position.

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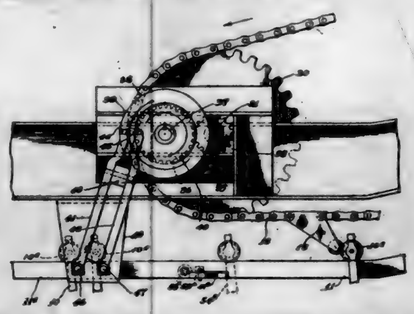
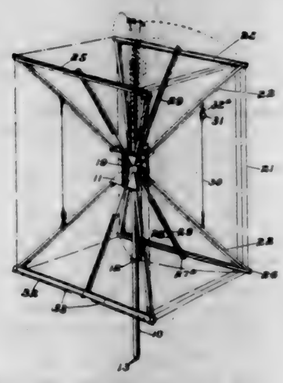
1,556,724. SPACING DEVICE FOR CONVEYER SYSTEMS. ALFRED H. SHAFFER, Riverside, Ill., assignor to The Allbright Nell Company, Chicago, Ill., a Corporation of Illinois. Filed July 26, 1923. Serial No. 653,896. 10 Claims. (Cl. 198—26.)



1. In a conveyer system, a track, a plurality of carriages, a conveyer adapted for engagement with said carriages, and a spacing device for said carriages comprising a rotary cam device operable in timed relation with said conveyer and a pair of rocking arms actuated by said cam device and controlling the movement of said carriages along said track.



1,556,725. SUPPORT FOR RADIOANTENNÆ. DEWESE H. SHALLCROSS, Clarendon, Va. Filed Jan. 31, 1922. Serial No. 538,093. 7 Claims. (Cl. 250—33.)



1. An antenna support including a shaft, a frame supporting member carried by said shaft, and a collapsible coil frame including a plurality of members hingedly connected to said frame supporting member and a plurality of collapsible bars connecting the outer terminals of a portion of said hinged members carried by said frame supporting member.

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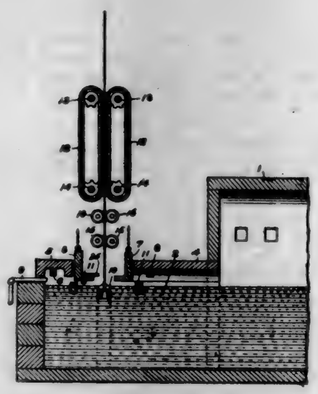
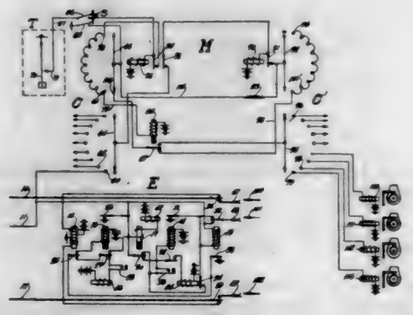
1,556,726. GLASS-DRAWING APPARATUS. HARRY G. SLINGLUFF, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Feb. 26, 1923. Serial No. 621,183. 6 Claims. (Cl. 49—17.)



1. In combination in apparatus for drawing sheet glass, a glass drawing tank adapted to carry a bath of molten glass, at a particular level, means for drawing a sheet upward from the bath and a refractory bar in the bath and extending transversely across the tank below said level of the bath and the line of generation of the sheet, said bar having its upper portion of varying width, widest at the center portion and decreasing in width toward the end portion.

1,556,727. TRAFFIC RECORDER FOR TELEPHONE SYSTEMS. ARTHUR BESSEY SMITH, Evanston, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 1, 1921. Serial No. 497,773. 22 Claims. (Cl. 179—9.)



1. In a telephone system, a group of trunk lines, means for making any number of said trunk lines busy, and means operated and reoperated automatically for recording at intervals the exact number of busy trunk lines in said group reguardless of the number of trunk lines busy.

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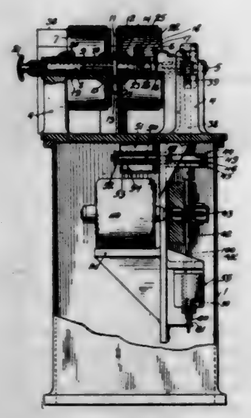
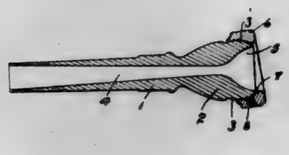
1,556,728. TRAVELING APRON. HENRY MONROE SMITH, Paterson, N. J. Filed Feb. 19, 1923. Serial No. 620,099. 14 Claims. (Cl. 271—2.4.)



1. A device for receiving a product from a machine, including a traveling apron on which the product is adapted to be received, means for operating said apron and means actuated by the product which is being fed upon said apron for controlling the operation of the apron by its said operating means, said controlling means being adapted to cause the starting and stopping of said apron whereby it will receive the product at the rate at which it is delivered thereto by the machine.

1,556,729. ADJUSTABLE MOUTHPIECE. SIDNEY S. SMITH, Grand Rapids, Mich. Filed Mar. 17, 1923. Serial No. 625,691. 6 Claims. (Cl. 84—399.)



1. In a device of the class described, an elongated member having a passage therethrough, and a member mounted thereon for angular adjustment with respect to the longitudinal axis of said member, said member being shaped for engagement by the lips, substantially as described.

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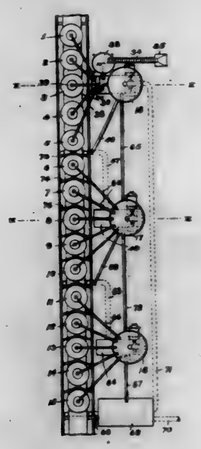
1,556,730. GRINDING APPARATUS FOR PLATE GLASS. JACOB SODERBERG, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed July 28, 1923. Serial No. 654,477. 6 Claims. (Cl. 51—264.)



1. In combination in grinding apparatus, a series of sets of grinding machines, means for carrying sheet glass continuously beneath the series of machines, a series of grading tanks, one for each set of machines, means for causing an upward flow of liquid through each of the tanks to grade the abrasive therein, means for supplying the graded abrasive from each tank to its set of grinding machines, and means for supplying the used abrasive and water from the first set of grinding machines to the tank for the next set of machines.

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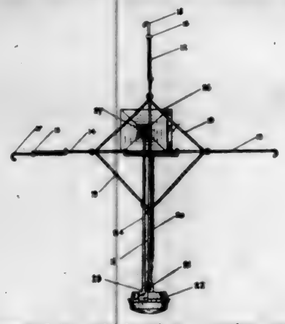
1,556,731. WATER-PAN ALARM. LEO SOMMER, St. Lin, Quebec, Canada. Filed Feb. 16, 1925. Serial No. 9,650. 1 Claim. (Cl. 116—111.)

In a water pan alarm, a frame formed of cross arms and slidable arms on certain of said cross arms and suitably held together, a bracket reinforcement from one of said arms, an alarm bell having a push button



and supported by said bracket, a rocker arm pivoted on said frame and extending into contact with said push button, and a float suspended from said rocker arm.

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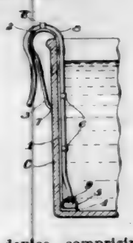
1,556,732. HOSE AND FILTER HOLDER FOR DRAW-OFF DEVICES. HARRISON D. STERRICK, Pittsburgh, Pa. Filed Sept. 20, 1924. Serial No. 738,800. 2 Claims. (Cl. 137—20.)



2. A draw-off device comprising in combination, a metal one-piece support, comprising a loop at one end adapted to engage the wall of a container, an extended portion beyond said loop adapted to lie inside the container, a cup adapted to retain a strainer attached to the lower end of the support, and means on the support to retain a hose extending from said cup around the loop in the support.

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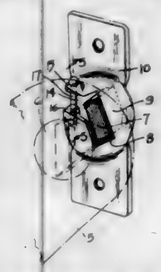
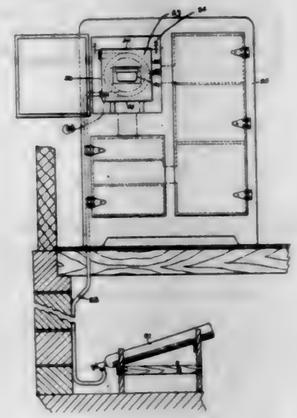
1,556,733. SHADE BRACKET. WILLIAM P. TALBOT, Millbrook, N. Y. Filed Jan. 23, 1925. Serial No. 4,138. 5 Claims. (Cl. 156—24.)



1. A window shade bracket having an opening adapted to receive the end of the shade roller shaft, said opening having an extended portion, a pin member disposed across the extended portion of said opening and movably held in said bracket, and means constituting a shaped end on said pin for preventing its accidental removal from position across said opening.



1,556,734. REFRIGERATION. WILLIAM J. TAYLOR, Detroit, Mich. Filed Jan. 26, 1924. Serial No. 688,642. 12 Claims. (Cl. 62—92.)



1. In combination with the outlet of a refrigerating system expansion chamber, a porous member adapted to normally permit the passage of refrigerant fluid therethrough and to become clogged by frost, and means adapted to secure said member in position over the opening in said outlet.

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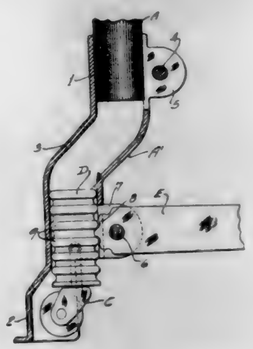
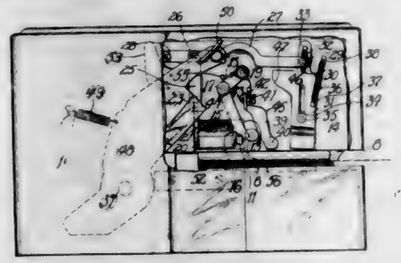
1,556,735. ADJUSTABLE STAND. HIRAM G. TIFFANY, St. Louis, Mo., assignor to Tiffany Adjustable Stand Company, St. Louis, Mo., a Corporation of Missouri. Filed May 29, 1922. Serial No. 564,467. 7 Claims. (Cl. 16—32.)



1. A stand provided with legs, rollers or casters associated with said legs, vertically-movable members carrying said rollers and combined with the legs in such a way that they can turn or rotate relatively to the legs, rockable actuating devices, and cooperating teeth or racks on said vertically-movable members and actuating devices constructed so as to provide for the turning or rotation of said vertically-movable members.



1,556,736. MECHANISM FOR INSURING CORRECT STARTING POINT IN FABRIC-MEASURING MACHINES. JOHN L. WHEELER and EDWIN T. NUGENT, St. Louis, Mo., assignors to The Measuregraph Company, St. Louis, Mo., a Corporation of Delaware. Filed Apr. 4, 1924. Serial No. 704,126. 15 Claims. (Cl. 33—132.)



1. In a fabric measuring machine of the class described, having means for measuring from a fixed starting point on the machine, and means for placing the machine in operative or inoperative condition for measuring, means in line with said fixed starting point and movable in placing the machine in operative condition for measuring and operating to prevent the machine from being placed in such condition when the end of the fabric to be measured projects beyond said latter means in the direction of the measuring movement of the fabric.

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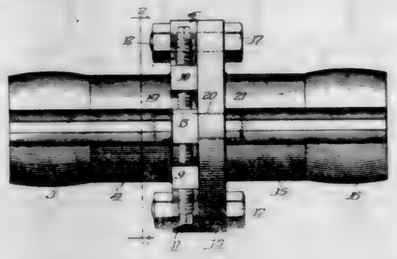
1,556,737. ADJUSTABLE SPINDLE FOR MERCHANT MILLS. HENRY W. WILSON, Duluth, Minn. Filed Nov. 24, 1920. Serial No. 426,173. 5 Claims. (Cl. 64—90.)



5. A composite spindle adapted for use in rolling mills, the spindle comprising a pair of radially divided portions having juxtaposed flanges, a portion of the first flange being cut away, the second flange carrying a lug interposed in the cut away portion of the first flange, set screws carried by the first flange adapted to coact with the lug on the second flange and to vary and maintain the rotary adjustment of the two spindle portions, and axially extending bolts connecting the two flanges and adapted to maintain them in juxtaposition.

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1,556,738. AIR FILTER. CHARLES WOOD, Nordman, Idaho. Filed Mar. 13, 1922. Serial No. 543,528. 2 Claims. (Cl. 261—122.)

1. An air filter comprising a casing having an air inlet opening in the forward portion of its upper wall, vertically disposed supporting plates in the lower portion of said casing having slots leading from their upper edges, an air deflecting plate extending into the

casing through the opening in the upper wall thereof and having its lower end portion fitting into the slots of said supporting plates whereby said air deflecting plate may be supported and braced by said supporting plates, upper and lower filtering plates disposed horizontally in said casing between the air deflecting plate and rear wall of the casing with the lower filtering

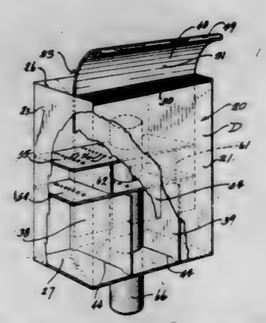

plate resting upon the upper edges of said supporting plates, supports for the upper filtering plate positioned between the upper and lower filtering plates, and an air outlet pipe extending into the casing through the bottom thereof and extending upwardly through the filtering plates to a point above the upper filtering plate.

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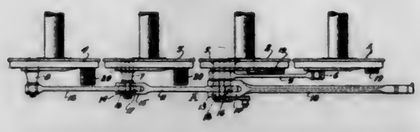
1,556,739. LOCOMOTIVE ROD AND COUNTERBALANCE MECHANISM. WILLIAM E. WOODARD, Forest Hills, N. Y. Filed May 2, 1925. Serial No. 27,433. 4 Claims. (Cl. 105—84.)



1. The combination with a locomotive having more than two sets of drivers, a main crank pin on an intermediate driver, an articulated main rod coupled to said main pin and to the wheel or wheels to the rear of the wheel carrying such main pin, the parts of the main rod extending in the same vertical plane, rod means coupling the main pin carrying wheels to the wheel or wheels in advance thereof, said means extending in a plane inside the plane of the main rod, a rotating counterbalance block on the wheel or wheels in advance of main crank pin carrying wheel, and a rotating and reciprocating counterbalance block on the wheel or wheels to the rear of said pin carrying wheels.

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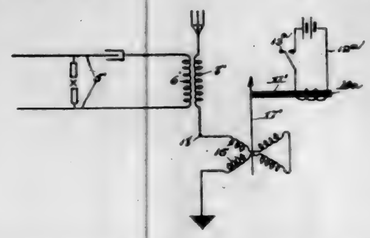
1,556,740. TRANSMISSION OF RADIOSIGNALS EMPLOYING UNDAMPED WAVES. ROBERT B. WOOLVERTON, Washington, D. C. Original application filed July 25, 1921, Serial No. 487,247, Patent No. 1,504,462, dated Aug. 12, 1924. Divided and this application filed Dec. 10, 1923. Serial No. 679,850. 1 Claim. (Cl. 250—19.)

In radio transmitting apparatus for undamped waves, an intelligence forming circuit including a solenoid, a tuned oscillaory circuit, shunted about the generator of said transmitting apparatus, an antenna circuit inductively coupled to the tuned oscillatory circuit, said circuits being in exact resonance, a variable inductance connected in series in the antenna circuit, an arm for connecting said variable inductance with said solenoid, and means for varying the relative positioning of the elements of said variable inductance for the purpose of



energizing said solenoid and destroying the exact resonance between said oscillatory and antenna circuits, and thereby forming signals in said intelligence circuit.

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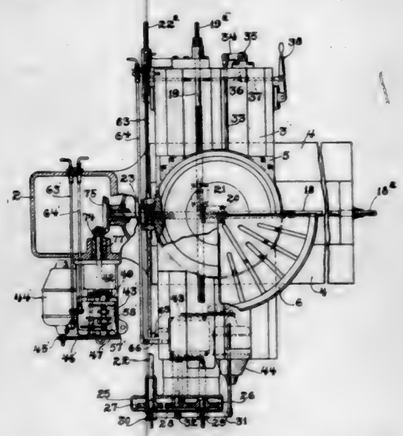
1,556,741. CONTOUR-MILLING MACHINE. EDWARD H. WRAY, Philadelphia, Pa., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 13, 1924. Serial No. 692,527. 8 Claims. (Cl. 90—20.)

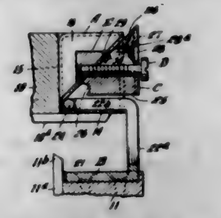


1. In a machine tool, the combination of a bed, an upright thereon, tool supporting means on the upright, power means for operating the tool, a saddle longitudinally slidable on the bed, a slide transversely slidable on the saddle, a work table rotatably mounted on the slide, a screw for moving the saddle longitudinally, a second screw for moving the slide transversely, a shaft extending parallel with the second screw and operatively connected to the table for rotating the same, electric motor means, means including change speed gearing between the motor means and the screws and shaft whereby to selectively operate the saddle, slide and table, and a portable switch adjacent the table for controlling the motor means.

6. In a machine tool, the combination of a bed, an upright thereon, tool supporting means on the upright, power means for operating the tool, a member slidably supported by the bed, a work table rotatalby supported by the member, a screw for sliding the member, a shaft for rotating the table, electric motor means, means including change speed gearing between the motor means and the shaft and screw whereby to operate the member and table, and a switch adjacent the table for controlling the motor means.



1,556,742. CONCEALED DOOR HINGE. JOHN W. ANDERSON, Chicago, Ill., assignor of one-half to Clarence Poffenberger, Chicago, Ill. Filed Oct. 19, 1921, Serial No. 508,805. Renewed Apr. 10, 1924. 13 Claims. (Cl. 16—135.)



1. In a concealed hinge for doors and the like, the combination with a housing adapted to be recessed into one of the members to be hinged, said housing being provided with a partial journal bearing at its bottom corner on the outer side; of a plate adapted to be secured to the other of the members to be hinged, said plate having an arm rigid therewith and extending therefrom, first substantially at right angles and then substantially parallel to the plate proper, the outer end of said parallel portion of said arm being provided with a journal section arranged parallel to and extending lengthwise of the plate and adapted to be seated within said partial journal bearing of the housing; and detachable means, secured within the housing, having a cooperable partial journal bearing fitting over said journal section to retain the same in place.

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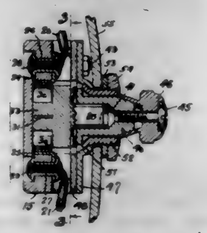
1,556,743. ELECTRIC SWITCH. CARL ERIC ANDERSON, Stratford, and HARRY U. BADEAU, Bridgeport, Conn., assignors to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed May 14, 1925. Serial No. 30,198. 6 Claims. (Cl. 200—63.)



1. An electric switch comprising a rotary switch bar of spring flat metal, a rotary insulating block having a boss projecting from one face thereof and slotted to straddle said switch bar, and a driving ratchet operatively engaging said block at the opposite side thereof from the switch bar.

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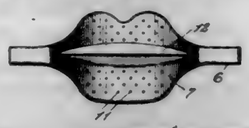
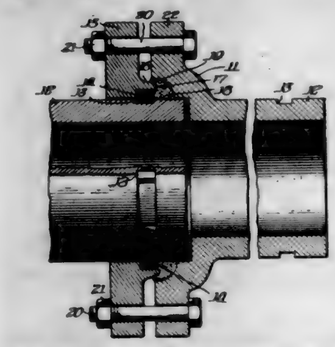
1,556,744. APPLICATOR. BENJAMIN ANSELL, St. Louis, Mo., assignor of one-half to Anthony J. Gutweiler, St. Louis, Mo. Filed Nov. 11, 1922. Serial No. 600,390. 2 Claims. (Cl. 132—1.)



1. An applicator, constructed of soft rubber and comprising an imprinting surface and a hollow body in communication with the imprinting surface, and means for interrupting said surface.

1,556,745. PIPE CONNECTION. ROBERT R. BANTA. Chicago, Ill. Filed Jan. 5, 1924. Serial No. 684,498. 2 Claims. (Cl. 285—134.)



1. In a pipe coupling, the combination with a spigot-end and a bell-end of a flange separate from and embracing the spigot-end and having a circumferential lip extending towards the bell-end, a locking ring embracing the spigot-end and seated in an external groove therein and snugly embraced by the lip, said lip projecting beyond the outer face of said ring, the bell-end having a recess receiving the projecting portion of the lip, packing within the recess and engaged by the lip and the locking ring, and means for drawing together the spigot and bell-ends.

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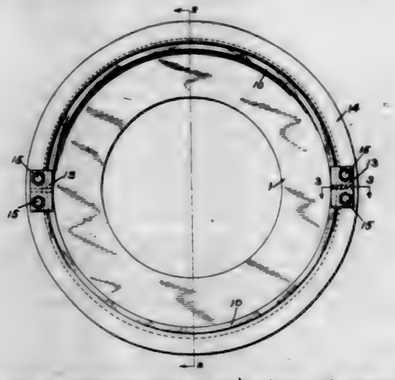
1,556,746. BRAKE-DRUM CONSTRUCTION. JOHN B. BARTHOLOMEW, Montclair, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Original application filed Nov. 28, 1922, Serial No. 603,775. Divided and this application filed Jan. 4, 1924. Serial No. 684,333. 3 Claims. (Cl. 188—218.)



1. The combination with a brake drum, of renewable liners mounted within said drum and comprising segments presenting an internal cylindrical braking surface within the drum and means for securing said segments to the brake drum, the segments being removable by a movement parallel to the axis of the drum.

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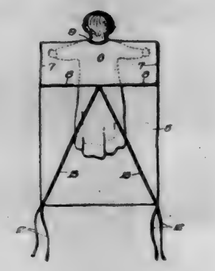
1,556,747. INFANT'S RETAINING GARMENT. ALBERT J. BATES, Jr., Chicago, Ill. Filed Apr. 4, 1925. Serial No. 20,615. 3 Claims. (Cl. 2—114.)

2. An infant's retaining garment of the character and for the purposes described, comprising an envelope formed with a long front piece extending from the neck

below the feet and a short back piece extending at its transverse center from the neck substantially to the waist region and joined at its top and side edges to the top and side edges of said front piece, thereby forming



with the latter spacious arm and shoulder pockets; said envelope having a neck opening in its upper edge, fastening means attached to said front piece, and tapes connecting the lower edge of said back piece with the lower corners of said front piece.

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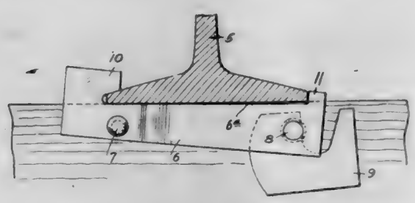
1,556,748. RAIL ANCHOR. FREDERICK W. BAUMANN, Pittsburgh, Pa., assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 3, 1925. Serial No. 374. 8 Claims. (Cl. 238—317.)



1. A rail anchor comprising gripping plates for transverse disposition beneath a rail and each provided with an overhanging rail base gripping jaw at one end, and at its other end with a vertically disposed gripping jaw, the plates being secured together at their first named ends, and at their other ends provided with means for supporting a rail-engaging clip.

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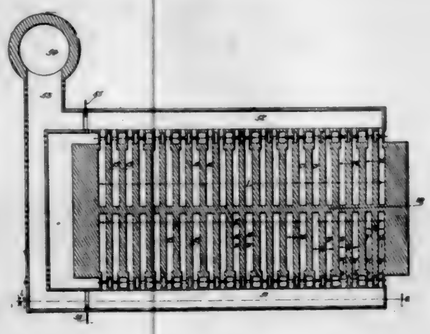
1,556,749. COKING-RETORT OVEN. JOSEPH BECKER, Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 5, 1921. Serial No. 490,085. 11 Claims. (Cl. 202—9.)

1. In a coke oven battery, in combination: a plurality of coking chambers; heating walls contiguous to such coking chambers and respectively constituted of vertical combustion flues operatively disposed into two groups of consecutive similarly-operating flues; reversible regenerators on both sides of the battery located below the coking chambers and the heating walls and parallel therewith, said regenerators being communicably connected with the flues and operatively disposed into inflow and outflow groups, the inflow groups alternating with the outflow groups on each side of the battery; a producer gas supply; reversing valve connections between said producer gas supply and one regenerator of each group on both sides of the battery; reversing air valve connections for the other regenerator of each group on both sides of the battery; waste gas tunnels located respectively on opposite sides of the battery; and valve connections for establishing communication concurrently between the outflow regenerators on each side of the battery respectively with the waste gas tunnels on the same sides of the battery as the regenerators; substantially as specified.



11. A coke oven battery provided with a plurality of coking chambers, heating walls having consecutive similarly-operating flues, inflow and outflow regenerators located on both sides of said oven, and waste gas tunnels also located on both sides of said oven and communicably connected concurrently with all the outflow regenerators; substantially as specified.

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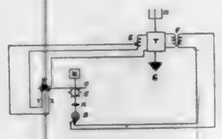
1,556,750. ELECTRICAL SIGNALING. LOUIS B. BENDER, Washington, D. C. Filed Aug. 29, 1923. Serial No. 659,971. 2 Claims. (Cl. 250—10.)



1. In a system of telegraphy, means for transmitting and receiving two radio frequency currents modulated by a low frequency alternating current of constant amplitude, said means consisting of a C. W. radio transmitter and automatic tape transmitter, a sine wave generator of low frequency, means for maintaining said generator in synchronism with said tape transmitter, and a receiving apparatus consisting of two receivers tuned to receive signals of different carrier frequencies, both of said receivers being connected to a single relay of the suspended double coil type having a contact maker moving over a double contact block, each of the two sections of said block being connected through vacuum tube relays, to a single siphon recorder for recording on a tape the received signals.

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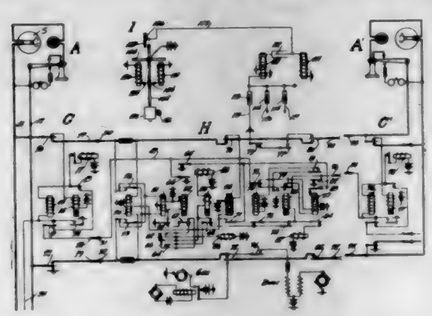
1,556,751. AUTOMATIC TELEPHONE SYSTEM. WILLIAM A. BENSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 13, 1921. Serial No. 477,183. 3 Claims. (Cl. 179—18.)

3. In a telephone system, a calling and a called line, an automatic switch controlled over said calling line to connect with said called line in an attempt to establish a talking connection therewith, a test relay in said switch effective to prevent the completion of such talking connection if the called line is busy, a source of busy signalling current, another source of signalling current, circuits for connecting the first of said sources to the





calling line and the second of said sources to the called line, and contacts on said test relay included in both said circuits for closing the same when the test relay is energized.

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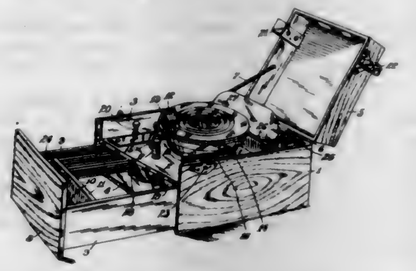
1,556,752. DENTIST'S PLATER. ROBERT W. BLAKE, Indianapolis, Ind. Filed Feb. 28, 1924. Serial No. 695,668. 4 Claims. (Cl. 204—5.)



1. A portable self-contained electro-plating apparatus, comprising an enclosing casing divided horizontally into an upper and lower compartment and provided with a hinged cover and with a removable end wall, said container being divided into two compartments by a horizontally disposed shelf, an electro-plating container mounted in the upper compartment upon said shelf and provided with electrode terminals extending through the walls thereof and having binding posts on the exterior, a pair of binding posts mounted upon the upper surface of said shelf, electric batteries mounted in the bottom compartment of the container and having their terminals respectively connected to said binding posts, said end member and cover being arranged, when closed, to completely enclose and protect all of the parts of the apparatus within the casing and when open, to permit access respectively to the batteries in the bottom compartment and to the electro-plating container.

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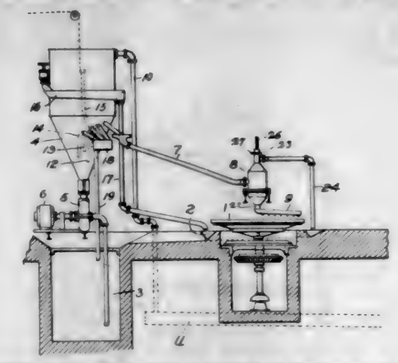
1,556,753. PROCESS AND APPARATUS FOR APPLYING ABRASIVE TO GRINDING APPARATUS. CHRISTOPHER BROWN, Charlerol, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Feb. 8, 1923. Serial No. 618,100. 4 Claims. (Cl. 51—264.)

1. The process of applying abrasive to a grinding machine, which consists in collecting the abrasive and water from the machine, returning the mixture to a grader and separating the abrasive into a series of grades, withdrawing therefrom first the coarsest grade of abrasive mixed with water, flowing it to the grinding



machine, and eliminating a portion of the water in such withdrawn mixture as it flows from the grader to the machine.

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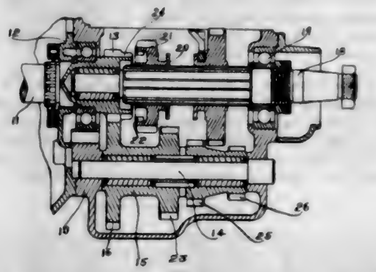
1,556,754. TRANSMISSION. EARLE BUCKINGHAM, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 26, 1924. Serial No. 702,161. 6 Claims. (Cl. 74—58.)



1. A change speed mechanism comprising in combination, two pairs of selectively operative intermeshing gears drivingly connecting aligned shafts, means to connect driving and driven shafts directly together or through one of said pairs, one of said gears in each pair having equal tooth numbers but being of different diameter so that equal numbers of teeth of each pair are intermeshed in equal units of time.

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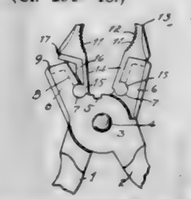
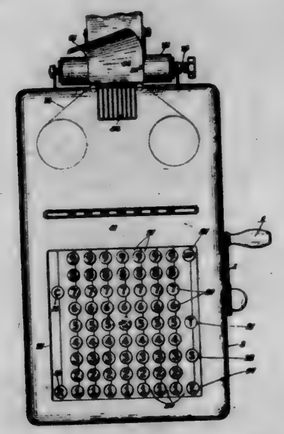
1,556,755. MULTIFORM TOOL. PETER M. BURMAN, Preston, Wash. Filed Mar. 7, 1925. Serial No. 13,907. 5 Claims. (Cl. 294—48.)



1. In combination with a tool of the plier type having integral extensions formed with cylindrical recesses and with channels above said recesses, removable jaws having extensions capable of engagement with said recesses, by relative lateral movement of the first mentioned extensions and jaws, and ribs to cooperate with said channels.

1,556,756. ADDING MACHINE. EDGAR MAYNARD CAMP, Newark, N. J., assignor, by mesne assignments, to Bleick Syndicate, composed of William D. Bleick and D. H. Connor, both of Newark, N. J., and F. J. Parker and J. J. Harris, both of Montclair, N. J. Filed Nov. 17, 1919. Serial No. 338,600. 31 Claims. (Cl. 235—60.)



1. The combination with accumulating means, of means for determining the extent of movement of said accumulating means, said last named means comprising key actuated stops, indexing means adapted to coact therewith and movable into engagement with a stop which has been set, means for holding said stop in set position, an initial stop for said indexing means, means to render said initial stop inoperatve, and means for operating said stop holding means to release any stop in set position, said initial stop having means adapted to hold said indexing means in different postions.

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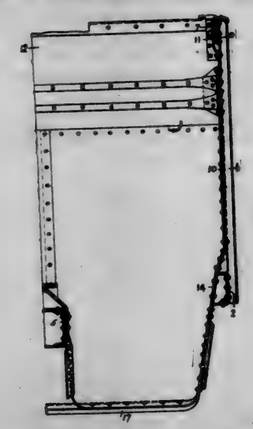
1,556,757. RAILWAY CAR. ANDREW CHRISTIANSON and HARRY T. ANDERSON, Butler, Pa., assignors to Standard Steel Car Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 554,786. 4 Claims. (Cl. 105—247.)



1. In a metallic open-top car, side-frames comprising top and bottom-chords, vertical and diagonal members connecting said chords, an inside plate connected to the top-chord, side container-sheets connected to said plate along their upper edges, and hopper-sheets to which the lower ends of said container-sheets are directly connected.

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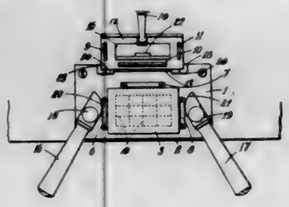
1,556,758. INKING DEVICE. WALTER CLARK, London, England, assignor to Caribonum Limited, Leyton, England. Filed Aug. 23, 1924. Serial No. 733,788. 7 Claims. (Cl. 91—18.)



1. In apparatus for impregnating inking pads, the combination with an open supporting frame, an open reservoir frame, a hinge connecting the said two frames, allowing a vertical play at the hinge, pivoted cam members on one frame co-acting with a surface on the other frame, whereby the said frames are pressed together independently of the hinge, and means for applying suction to the opening of the supporting frame.

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1,556,759. CONCRETE PRODUCT AND PROCESS OF MANUFACTURING THE SAME. JAMES J. CONNELLY, Chicago, Ill. Filed Sept. 5, 1923. Serial No. 661,107. 2 Claims. (Cl. 106—35.)

1. As a new article of manufacturing a homogeneous product colored throughout and consisting of a dried, pulverised and colored vegetable fibrous body formed from a semi-pulpy mixture of wood and paper with the addition of a mineral color, a colored, hardened and finely crushed tenacious body formed from a mass of clay colored to correspond to the color of the fibrous body and subsequently hardened and crushed, and a cementitious substance.

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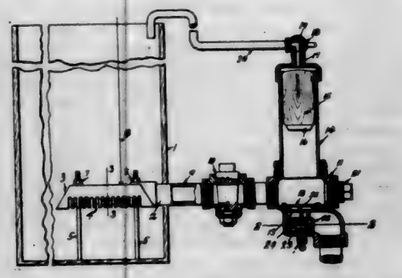
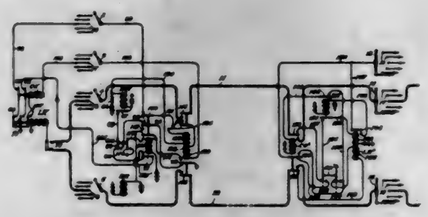
1,556,760. TANK-DISCHARGE DEVICE. RUDOLPH CONRADER, Erie, Pa. Filed May 24, 1921. Serial No. 472,043. 3 Claims. (Cl. 137—68.)



1. In a tank discharge device, the combination of a discharge pipe; a cut-off valve on said pipe comprising a casing and valve seat; a closed float chamber; a float in the chamber; a valve seating on the seat and controlled by the float, said float chamber being in communication with the tank through the discharge pipe to permit the introduction of air from the tank prior to the uncovering of the valve seat; and a guard over the discharge pipe preventing a vortex leading to the discharge pipe.



1,556,761. TRUNK CIRCUITS. HIRAM D. CURRIER, Chicago, Ill., and GEORGE R. EATON, Oak Park, Ill., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 4, 1920. Serial No. 356,262. 45 Claims. (Cl. 179—27.)



39. A telephone system including a plurality of lines and link circuits for use in interconnecting them, automatic selecting switches for extending the link circuits, an operator's plug and apparatus effective on the connection thereof to render a plurality of previously selectable circuits unselectable.

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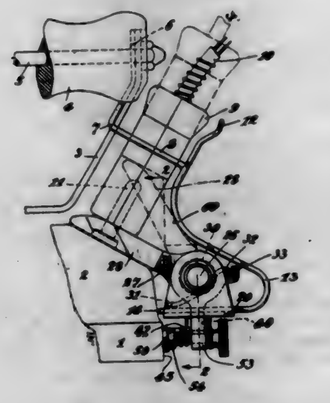
1,556,762. SAFETY DEVICE FOR ELECTRIC IRONS AND THE LIKE. NATHAN A. CURTISS, Ramsey, N. J., assignor to Miller Reese Hutchinson, New York, N. Y. Filed Jan. 22, 1924. Serial No. 687,738. 9 Claims. (Cl. 219—25.)



1. A heat generating electrical device having a fixed terminal thereon and a flexible conductor having a terminal non-positively engaging said fixed terminal, in combination with a knock-out lever rockingly mounted on the device with one end projecting between said terminals, an actuating spring for the lever and a trigger device for restraining and releasing the lever.

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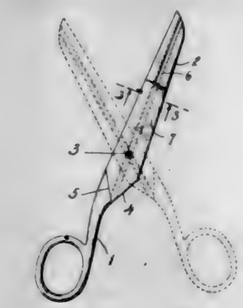
1,556,763. CUTLERY. BENJAMIN DADD, New York, N. Y. Filed June 27, 1921. Serial No. 480,512. 1 Claim. (Cl. 30—13.)

In scissors construction, a pair of blades pivoted together, each blade being provided with a handle portion, each blade being formed with a longitudinal dovetail groove which extends from the tip of the blade to a position adjacent the handle portion, each blade being provided with a plate co-extensive with and covering the blade on one side thereof, the said plates having cutting edges acting as the cutting edges of the scissors and the said cutting edges of the plates being arranged closely contiguous to the edges of the said blades, the said plates



having each an under-cut rib extending from end to end of the plate and slidably engaging with the said dovetail grooves in the blades whereby the exposed faces of the plates are wholly continuous throughout and uninterrupted by depressions or recesses, and a pivotal screw passing through both the blades and the plates to hold all the parts in operative positions.

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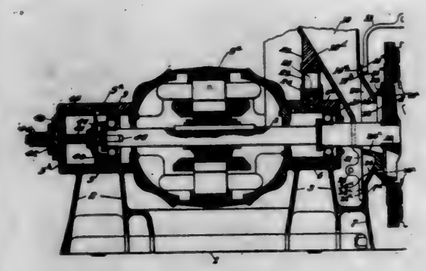
1,556,764. ATTRITION MILL. ALLAN P. DANIEL, Springfield, Ohio, assignor to The Bauer Brothers Company, Springfield, Ohio, a Corporation of Ohio. Filed Apr. 4, 1922. Serial No. 549,479. 3 Claims. (Cl. 83—8.)



1. In an attrition mill, a main supporting base, a shaft mounted on said base, a grinding member connected with said shaft, a wear ring carried by said grinding member in concentric relation with said shaft, a supporting face formed on said base in concentric relation with the axis of said shaft, and a seal ring mounted on said supporting face in concentric relation with the axis of said shaft and cooperating with said wear ring.

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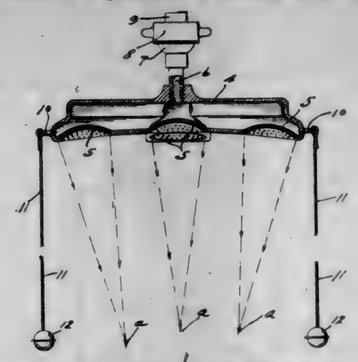
1,556,765. HYDROPATHIC SPRAYING DEVICE. WILLIAM DECHMANN, Minneapolis, Minn. Filed Nov. 26, 1923. Serial No. 676,936. 3 Claims. (Cl. 4—145.)

1. A hydropathic spraying device comprising a hollow shell connected to a source of water supply and having

a plurality of perforated nozzle-forming spraying zones each arranged to precipitate a plurality of fine streams



of water on downwardly converging lines concentrating in approximately a single stream.

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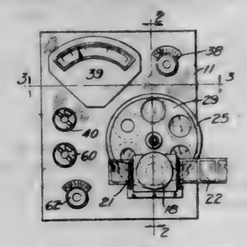
1,556,766. DEVICE FOR MEASURING THE OPACITY OF TRANSLUCENT MATERIALS. VINCENT C. DE YBARRONDO, Los Angeles, Calif. Filed Oct. 24, 1921. Serial No. 509,875. 2 Claims. (Cl. 88—14.)



1. In a device for measuring the opacity of translucent substances, the combination of: a cell of changeable resistance under the influence of light rays; a luminous body; means for interposing a body of translucent substance between said cell and said luminous body; a source of electric current in circuit with said cell; an indicating instrument in said circuit; and a variable resistance shunted across said source of electric current to form a branch circuit of variable resistance for controlling the flow of electric current in the circuit of said cell.

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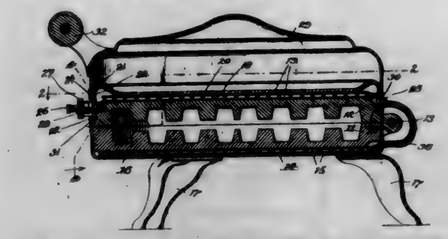
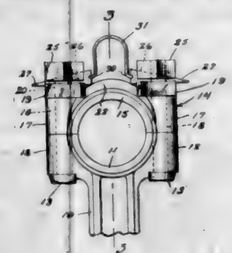
1,556,767. WAFFLE IRON. WILLIAM W. DODGE, Jr., Asheville, N. C. Filed Nov. 24, 1923. Serial No. 676,786. 5 Claims. (Cl. 219—19.)



1. The combination with a waffle iron composed of conacting sections, each provided with electrical heating means, of a griddle permanently mounted on the back of the section in close heat-conducting relation with said heating means.

1,556,768. SELF-ADJUSTING BEARING. FREDERICK C. DOODY, St. Onge, S. Dak. Filed Oct. 13, 1923. Serial No. 668,812. 4 Claims. (Cl. 308—68.)



1. The combination with a bearing including a relatively stationary body and a mating movable and removable cap held thereto by bolts passing through the body and cap in parallel relation to the longitudinal axis of the body, of automatic adjusting means comprising plate members disposed against the outer side of the cap and apertured for engagement upon the bolts, said plates cooperating with portions of the cap whereby to be incapable of rotary movement with respect thereto, said plates being formed with grooves, nuts threaded onto the bolts and having their faces toward the plates formed with grooves registering with said first named grooves, the grooves in the nuts increasing in depth toward the confronting edges of the nuts, wedges forked for straddling engagement upon the bolts and slidably engaged within the registering grooves, the wedges having their thicker ends disposed toward each other, and a spring interposed between and urging said wedges outwardly.

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1,556,769. SHEARS. CHARLES DRIEST, Jr., Marlboro, N. J. Filed Nov. 18, 1922. Serial No. 601,781. 5 Claims. (Cl. 30—13.)

1. A pair of shears of the class described comprising pivotally connected handle members which when coupled together form a unitary structure, the coupling of said handle members being formed by bushings mounted in said handle members, a screw passed through said bushings and provided with a nut for retaining said handle members against displacement, and blade members detachably mounted in connection with said unitary structure and provided with apertures adapted to receive and pass freely over the heads of the screw and nut mounted thereon.

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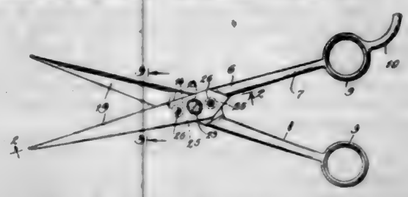
1,556,770. SHEARS. CHARLES DRIEST, Jr., Marlboro, N. J. Filed Aug. 4, 1923. Serial No. 655,608. Renewed Apr. 15, 1925. 13 Claims. (Cl. 30—13.)



1. A tool of the class described comprising pivotally connected handle members, blade members formed independently of said handle members, and adapted to be secured to the separate handle members, means passed through said blade members and into said handle members for detachably connecting said blade members with said handle members, said blade members overlying the pivotal connection of the handle members and being detachably mounted in connection with the handle members without removing the pivotal connection of said handle members.

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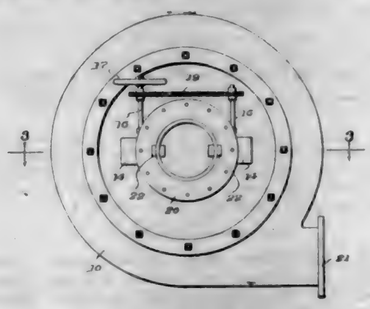
1,556,771. ROOT CUTTER. BENJAMIN F. DUPONT, Miami, Fla. Filed July 13, 1923. Serial No. 651,357. 6 Claims. (Cl. 103—111.)



1. In combination with a dredge pump comprising a casing having an extension projecting from one side thereof, of a plurality of cutting bars arranged within the extension and mounted for sliding movement toward and away from the impeller of said pump, teeth formed on the outer side of each cutting bar, a pinion meshing with the teeth of each bar, and means including a single operating element for simultaneously actuating all of said bars for the purpose specified.

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1,556,772. PROCESS OF MANUFACTURING SEASONINGS OR LIKE FOODSTUFFS FROM FISH OR SHELLFISH. TOSHIICHIRO ENDO, Iwaki-gun, Fukushima-ken, Japan. Filed July 19, 1922. Serial No. 576,127. 2 Claims. (Cl. 99—11.)

2. A process of manufacturing food stuffs, which consists in steaming animal flesh, forming it into small lumps after squeezing out water and oil therefrom sprinkling a dilute acid solution thereon and mixing it with cereal refuse and converting said lumps into "koji" in a hot house by covering them with spores of aspergillus oryzæ.

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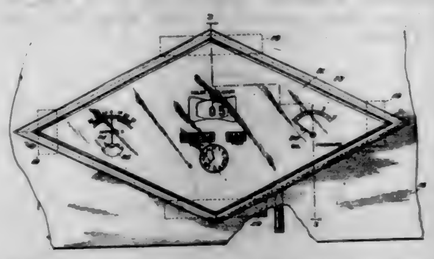
1,556,773. COMBINATION MOUNTING FOR DIAL MECHANISMS. FRANK J. FEELY, Elgin, Ill., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Nov 10, 1919. Serial No. 337,060. 12 Claims. (Cl. 180—90.)



1. A mechanism for mounting a combination of instruments upon a dash-board, comprising a frame adapted to fit substantially a suitable opening in the board and having a flange extending beyond the edge of the opening on its front face, a plurality of instruments mounted on said frame, and a plurality of spring clips secured at intermediate points on said frame and bearing at their ends on the rear face of the board.

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1,556,774. AUDIPHONE. CHARLES FENSKY, St. Louis, Mo. Filed May 2, 1923. Serial No. 636,067. 5 Claims. (Cl. 181—23.)

1. An audiphone comprising a hollow curved member having an opening in one side and adjacent one end, a hollow spherical portion formed integral with the other end of said member, and a hollow tapered member projecting from said spherical portion, said tapered member and the opening in the curved member being on the same side.

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1,556,775. AUDIPHONE. CHARLES FRENSKY, St. Louis, Mo. Filed Oct. 4, 1923, Serial No. 666,477. Renewed May 28, 1925. 4 Claims. (Cl. 181—23.)

1. An audiphone comprising a hollow curved member having an opening in one side adjacent one end, a hollow globular portion formed integral with the other end of said member, a tapered tubular member formed integral with the globular member and projecting therefrom at right angles to the curved member, and a web formed integral with the curved member and globular member on the side opposite the tube for forming in connection with the inside of the ear, a chamber for the reception of sound waves.

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1,556,776. MATERIAL FOR RESISTING OXIDATION AT HIGH TEMPERATURES. RUDOLPH F. FLINTERMANN, Detroit, Mich. Filed Feb. 14, 1921. Serial No. 444,766. 3 Claims. (Cl. 75—1.)

1. An alloy for resisting oxidation at high temperatures containing nickel or cobalt in an amount greater than 20% and less than 60%, silicon in an amount greater than 3% and less than 9% and the balance principally of iron.

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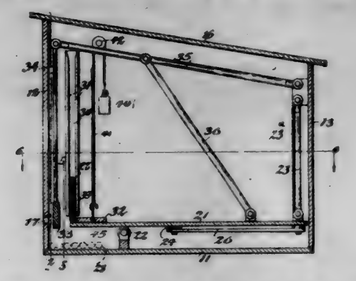
1,556,777. NEWSPAPER-VENDING MACHINE. ROY R. FOGELSONGER, Clarence, N. Y. Filed Mar. 27, 1923. Serial No. 628,024. 5 Claims. (Cl. 211—8.)

1. A newspaper vending machine comprising an enclosing casing adapted to contain a stack of newspapers and provided with an outlet for the same, a plurality of movable feeding rods arranged in a tier within the casing and each adapted to engage the inner side of the turn in one of the newspapers, and means for successively engaging the several rods and moving the same

with the respective newspapers to the outlet of the casing comprising a feeding table which supports said stack and is movable toward and from said outlet,



and push blocks arranged on said table on opposite sides of the stack and adapted to engage with the end portions of said rods.

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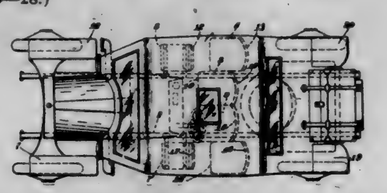
1,556,778. AUTOMOBILE BODY. PAUL FOROSTOVSKY, Jr., Baltimore, Md. Filed Jan. 14, 1922, Serial No. 529,113. Renewed Aug. 11, 1925. 6 Claims. (Cl. 296—28.)



1. An automobile body and frame construction comprising longitudinal beams of the chassis, floor members at each side of the chassis spaced below and suspended from said longitudinal beams and seats at the side directly over said floor members.

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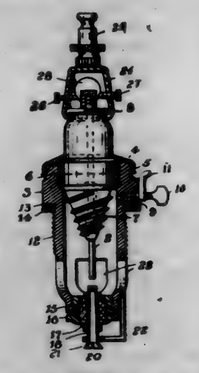
1,556,779. SPARK PLUG. JOSEPH G. GAVLAK, Monongahela, Pa. Filed Aug. 10, 1923. Serial No. 656,625. 5 Claims. (Cl. 123—169.)



1. A spark plug comprising a main electrode, a peripherally threaded tubular electrode co-acting with, spaced from and arranged in lengthwise alignment with respect to the main electrode, an inner electrode associating with said tubular electrode, a pair of spaced cores of insulation, one of said cores carrying the main electrode and the outer of said cores having a threaded core through which extends the tubular electrode, the latter having threaded engagement with the wall of the bore, a metallic shell supporting the core carrying the main electrode and carrying said inner electrode, and a bushing secured in the inner end of said shell and supporting said threaded core.

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1,556,780. BUMPER FOR AUTOMOBILES. CHRISTIAN GIRL, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Jan. 9, 1924. Serial No. 685,144. 8 Claims. (Cl. 293—55.)

1. A bumper comprising a plurality of vertically spaced front or impact bars and a rear or auxiliary bar, the said bars being of the same length and arranged parallel with each other, and means additional to said bars for connecting the ends of the same.

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1,556,781. RESILIENT GRIP. THOMAS EMIL GJORUP, Chicago, Ill., assignor of one-half to Louis Hansen, Chicago, Ill. Filed Apr. 19, 1923. Serial No. 633,193. 1 Claim. (Cl. 273—81.)

The combination with a substantially cylindrical handle member of a tape having adhesive and elastic properties, said tape being provided with a longitudinally disposed, relatively flat rib on one side thereof extending continuously throughout the length of said tape, said tape being wrapped around said handle member in spiral fashion with said rib in contact with said handle whereby a grip having a spiral raised portion is provided for said handle.

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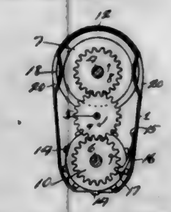
1,556,782. MARKING DEVICE. DAVID W. GLASGOW, Albion, Nebr. Filed Dec. 8, 1924. Serial No. 754,558. 2 Claims. (Cl. 101—110.)



1. A marking machine comprising a casing having a sight opening in the upper end thereof, rotatable setting wheels in the upper end of the casing and provided with indicia provided to register with the sight opening, said setting wheel being rotatably mounted on a shaft, rotatable number wheels, said number wheels being rotatably mounted on a shaft in the lower end of the casing, an intermediate shaft, gears carried by the intermediate shaft, gears carried by the setting wheels and meshing with the gears on the intermediate shaft, gears carried by the number wheels and meshing with the gears on the intermediate shaft, spring detent members disposed within the casing and cooperating with the gears of the number wheels and removable type disposed in recesses of the number wheels.



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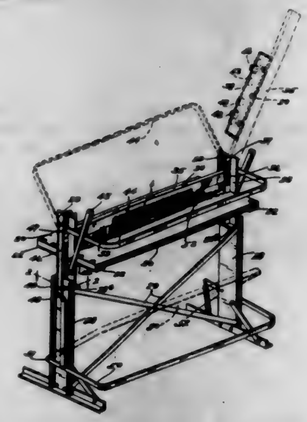
1,556,783. BRUSH-MAKING MACHINE. CARL C. GRAY, Minneapolis, Minn., assignor to Gopher Brush Company, Minneapolis, Minn., a Corporation of Minnesota. Filed June 21, 1923. Serial No. 646,823. 18 Claims. (Cl. 300—12.)



1. A machine for assembling the elements of floor brushes, comprising a table having an assembling channel adapted to receive a channel-like brush head, the table itself adapted to support brush material laid crosswise of said head, and means for pressing a clamping bar against the brush material and for buckling and forcing the same into said head, said assembling channel having a yieldingly supported depressible bottom strip.

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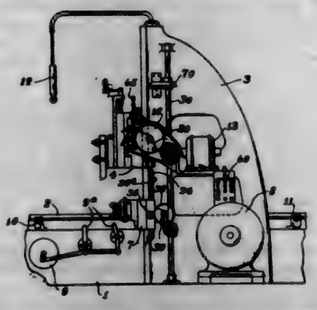
1,556,784. TOOL-OPERATING MECHANISM. GEORGE E. GREENLEAF, Plainfield, HAROLD L. BLOOD, North Plainfield, and ROSWELL H. RAUSCH, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed June 7, 1923. Serial No. 643,944. 19 Claims. (Cl. 90—48.)



1. In a planer or the like, the combination of a base, a reciprocating work table mounted thereon, two uprights respectively at opposite sides of the table, a cross rail mounted to slide vertically on the uprights over the table, a tool support movably mounted on the rail, a motor, and mechanism operated by the motor for intermittently feeding the tool support synchronously with the table reciprocation, for traversing the tool support continuously, for moving the rail on the uprights and for clamping the rail to the uprights.

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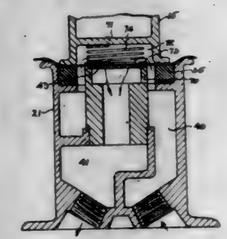
1,556,785. METHOD OF AND APPARATUS FOR DRY CLEANING. THOMAS GRISWOLD, Jr., Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Nov. 2, 1921. Serial No. 512,242. 25 Claims. (Cl. 8—8.)



11. In a method of cleaning a fabric or like permeable material, the step which consists in flowing a cleansing medium successively through a portion of such material surrounding the portion to be cleaned and then through such last-mentioned portion.

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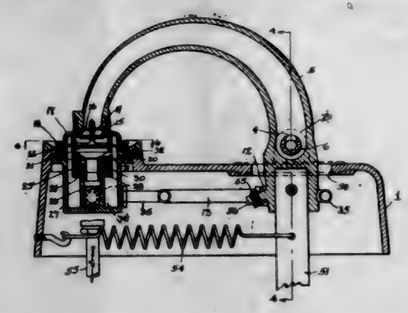
1,556,786. DRY CLEANING. THOMAS GRISWOLD, Jr., Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Apr. 5, 1923. Serial No. 629,988. 18 Claims. (Cl. 8—8.)



18. In an apparatus of the character described, the combination of a cylindrical shell, a casing surrounding said shell and leaving an annular space therebetween, and a relatively movable cup-member provided with rings adapted to co-operate with the ends of said shell and casing respectively to clamp a piece of fabric or like material thereagainst, the foregoing parts being self-centering.

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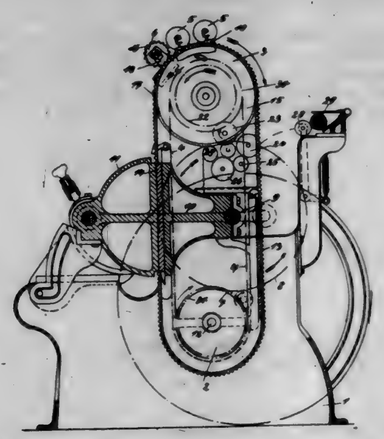
1,556,787. PRINTING MACHINE. EDUARD GROSSE, Wachwitz, near Dresden, Germany. Filed May 5, 1921. Serial No. 467,187. 2 Claims. (Cl. 101—360.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. In improvements in platen-printing machines, a platen, a setting plate and an elastic flat form, paint-rollers, paint-applying-rollers and a transmission roller, an endless band carrying both said paint-applying-rollers and said transmission roller around the middle-por-

tion of the printing press, disks in the upper and lower part of said middle-portion of the printing press for guiding said band, means for rotating said disks with said carrying means and means for moving said platen,



each driving means cooperating with the other in such a manner as to accommodate the rotation of the carrying means around the middle-portion of the printing press, to the to-and-fro-movement of the platen, substantially as described.

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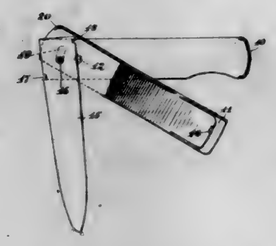
1,556,788. COMBINATION TOOL. PETER WILLIAM HALLVERSON, Black Diamond, Alberta, Canada. Filed July 7, 1924. Serial No. 724,675. 4 Claims. (Cl. 7—16.)



1. A combination tool comprising a handle, said handle including two sections pivoted to each other adjacent to one end, means additional to the pivots of the handle sections to pivot various implements to the handle, and coacting and interengaging means embodied in said implements and appurtenant to one of the handle sections to lock the implements either in a folded position within the handle or in an extended position for use.

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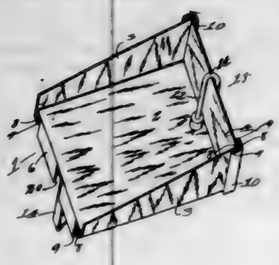
1,556,789. PACKER'S COLLAPSIBLE PAPER HOLDER. WILBUR H. HARDY, Freewater, Oreg. Filed Sept. 29, 1923. Serial No. 665,005. 8 Claims. (Cl. 211—29.)

5. In a paper holder, a holder comprising a plate, a back slidably mounted on said plate, side pieces slidably mounted on said plate, said side pieces positioned to lock said back in place, slidingly mounted corner irons joining the corners formed by the juncture of said back and side pieces, a lip depending from one side of said holder, an interchangeable brace removably attached



to said plate and positioned to coact with said lip to support said holder, and a needle holder removably and operably attached to said back.

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1,556,790. HYDRAULIC SHOCK ABSORBER. RALL E. HELFINSTINE, Dayton, Ohio. Filed Mar. 20, 1924. Serial No. 700,511. 18 Claims. (Cl. 188—89.)

1. In a fluid pressure governor, a fluid chamber, an oscillatory dasher dividing the chamber into high and low pressure compartments, having an intercommunicating port, said dasher being of arcuate form and flexible, the wall of the chamber being concentric with the center of oscillation of the dasher and into approximate relation with which the free end of the dasher extends, the oscillation of the arcuate dasher in the direction of its convexity against the resultant pressure of the fluid contents of the chamber serving to flex the dasher away from the chamber wall to permit limited bypass of the fluid under pressure, the oscillation of the dasher in the opposite direction and in the direction of its concavity serving to distend the dasher into wiping relation with the wall of the chamber to prevent bypass leakage, the passage of the fluid under pressure from one compartment to the other being thru the intercommunicating port.

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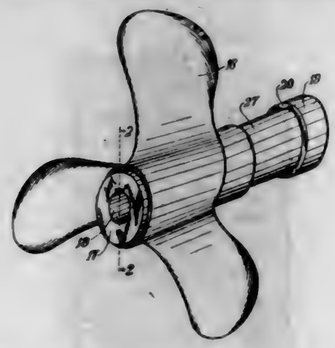
1,556,791. PROPELLER. MARCELLUS HENDERSON, West Hoboken, N. J. Filed Oct. 4, 1922. Serial No. 592,228. 2 Claims. (Cl. 115—34.)

1. The combination with a ship having a propeller shaft, of a propeller, removable means for fixedly securing said propeller to said propeller shaft, an extension secured to said propeller, said extension being provided with an opening for reception of the propeller shaft



and means carried by the ship for rotatably normally freely receiving said extension and for retaining the same in the event of breakage of the propeller shaft,



said mounting means comprising a removable portion to permit said extension to be removed from said mounting means.

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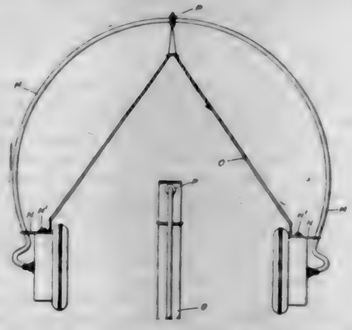
1,556,792. HEADBAND FOR HEAD PHONES. THOMAS LINFORTH JONES, London, England; James Simpson Jones, executor of said Thomas Linforth Jones, deceased, assignor to John MacDougall, Prestwick, Scotland. Filed Mar. 27, 1923. Serial No. 627,963. 3 Claims. (Cl. 179—156.)



3. Means for supporting a pair of telephone receivers on the head comprising a resilient curved member of approximately at semi-circular shape, each end of which is adapted to have a receiver attached thereto, and a flexible band of elastic material attached to and located within said resilient curved member and capable of adapting itself to the contour of the top part of the head of the wearer substantially as described.

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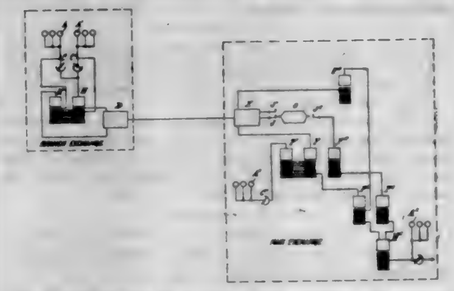
1,556,793. AUTOMATIC TELEPHONE SYSTEM. FRED T. MADSEN, Green Bay, Wis., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed July 3, 1920, Serial No. 393,963. Renewed Mar. 16, 1925. 23 Claims. (Cl. 179—27.)

1. In a telephone system, a main exchange having an operator's position, a branch exchange having a toll connector, a trunk line extending from said operator's position to said toll connector, selector connectors in said branch exchange having access to said trunk line, special lines in said branch exchange accessible to said toll connector but inaccessible to said selector connectors, other telephone lines in said branch exchange, means controlled from one of said other telephone lines for operating one of said selector connectors to connect with said trunk line and call the operator thereover for the purpose of obtaining connection with



one of said special lines, and means whereby the operator at said position can operate said toll connector to establish a connection with one of said special lines locally.

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1,556,794. TOY. ADOLPH L. MANSON, New York, N. Y. Filed June 21, 1923. Serial No. 646,859. 1 Claim. (Cl. 213—98.)

A toy including a block having a central longitudinal bore of uniform diameter throughout its length, said bore being closed at one end and having its other end flared, a handle, a stem projecting therefrom of a diameter slightly less than that of the bore, said stem being tapered at its free end, there being an annular collar upon the stem adapted to snugly engage the flared end wall of the bore when the stem is seated in the block, and a cord threaded through and secured within the closed end of the bore, the other end of the cord being attached to the handle.

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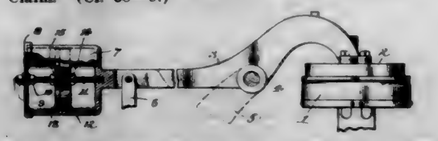
1,556,795. PRESS. WILLIAM C. MARSHALL, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 4, 1922. Serial No. 579,684. 1 Claim. (Cl. 68—9.)



In a pressing machine, the combination of a fixed pressing element; a movable pressing element; a lever to one end of which said movable element is attached;

an open ended box formed as an integral extension of the lever; at least one weight mounted in the box and adjustable toward and from the fulcrum of the lever; and a closure for the box.

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1,556,796. PROCESS OF ETCHING GLASS OR THE LIKE. CLARKE C. MINTER, New York, N. Y. Filed May 27, 1921, Serial No. 473,010. Renewed Mar. 2, 1925. 10 Claims. (Cl. 41—42.)

4. The process of etching glass or the like comprising heating the glass or the like to be etched, heating an alkali salt of carbonic acid to at least the fusion of said salt, and causing contact of said fused salt with the surface of said glass or the like to be etched.

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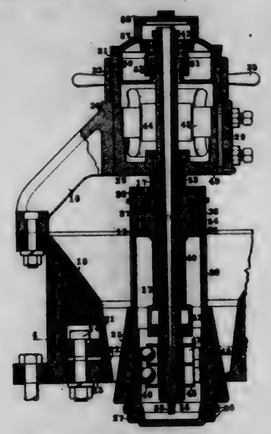
1,556,797. CRUSHER. BENJAMIN A. MITCHELL, Westerleigh, N. Y. Filed Dec. 8, 1921. Serial No. 520,794. 14 Claims. (Cl. 83—10.)



1. In a crusher, the combination with relatively movable crusher members, one of said crusher members being suspended within the other, of a rotating system, a balanced impeller secured to said system and revolving therewith, and an intermediate body having a mass center eccentric to the axis of rotation and adapted to be urged by said impeller in a closed path about said axis.

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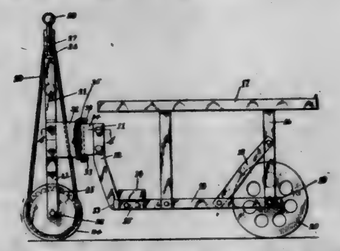
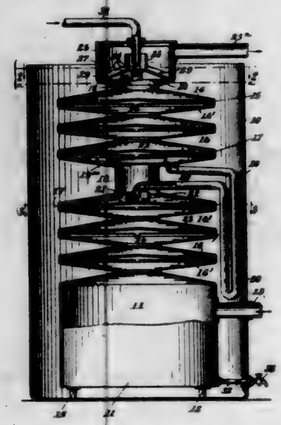
1,556,798. CHILD'S ROAD ROLLER. JOHN MONTANARO, Philadelphia, Pa. Filed May 7, 1925. Serial No. 28,660. 4 Claims. (Cl. 208—42.)



1. A toy vehicle of the character described simulating a road roller and having a supporting frame and seat thereon, a rear roller upon which the rear end of the supporting frame is mounted, a front steering post pivotally connected to the supporting frame, a front roller carried by the steering post, and manually operable means carried by the steering post whereby the front roller may be driven.

1,556,799. CARBURETOR. GEORGE ELLIOTT MORRISON, Sayville, N. Y. Filed June 6, 1922, Serial No. 566,329. Renewed Mar. 14, 1925. 10 Claims. (Cl. 261—21.)



1. An apparatus of the character described comprising a vaporizing receptacle composed of a plurality of connected parts, and provided with an inlet and an outlet, and means arranged exteriorly of said vaporizing receptacle parts forming a container for receiving and temporarily retaining the unvaporized liquid in contact with a medium for raising its temperature and serving to conduct said liquid from one of said vaporizing receptacle parts to the other of said parts, substantially as specified.

4. An apparatus of the character described comprising a casing, a vaporizing receptacle composed of a plurality of parts having an inlet and an outlet, said parts each consisting of a series of connected elements, means connecting said parts, and means arranged exteriorly of said parts and connecting one of said vaporizing receptacle parts with the other thereof and forming an extended receptacle for receiving and temporarily retaining the unvaporized liquid in contact with a medium for raising its temperature, and serving to conduct said liquid from one of said parts to the other thereof, substantially as specified.

9. An apparatus of the character described comprising an outer casing, a vaporizing receptacle composed of a plurality of superposed parts having an inlet and an outlet, said parts each consisting of a series of connected shallow elements having downwardly and outwardly inclined tops and downwardly and inwardly inclined bottoms, a deflecting plate arranged in each of said parts, a tubular member connecting the series of connected parts with the lower series of connected parts, a receptacle disposed below and communicating with the lower of said vaporizing receptacle parts, and a pipe extending from the bottom of the upper vaporizing receptacle part downwardly within said outer casing to a point below the bottom of the lower vaporizing receptacle part and thence upwardly and inwardly and communicating at its upper end with the top of the lower receptacle part, substantially as specified.

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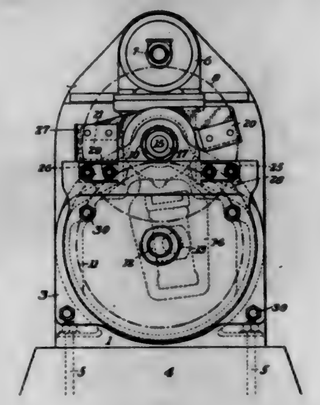
1,556,800. SHEARS. RICHARD W. MOSES, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 28, 1922. Serial No. 571,491. 5 Claims. (Cl. 164—44.)

1. A shear, comprising a frame, a pair of fixed shear blades mounted on the frame, a lever pivoted to said frame and carrying a pair of shear blades on opposite



sides of its longitudinal axis for cooperation with the fixed blades, said lever having a slot therein, and means for oscillating said lever, comprising a crank shaft, a



block carried by the crank pin and slidably mounted in said slot, and means for rotating said shaft in either direction, substantially as described.

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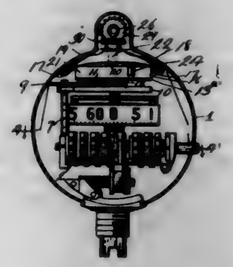
1,556,801. SPEEDOMETER ATTACHMENT. ROLLAND R. OTIS, Omaha, Nebr. Filed Aug. 14, 1923. Serial No. 657,331. 3 Claims. (Cl. 116—115.)



3. The combination with a speedometer, of a signalling device carried thereby, said device comprising a constantly rotated disc, a split sleeve carried by said disc, a flanged disc mounted on the constantly rotated disc, said flanged disc being provided with a sleeve in which the split sleeve is disposed and frictionally engages, a pivoted yoke above the flanged disc, a lug carried by the pivoted yoke in the path of a recess in the flanged disc, means whereby said pivoted yoke may be moved and held in raised position and the flanged disc simultaneously rotated, said lug when in the recess of the flanged disc registering with a sight opening and forming a signal.

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1,556,802. MEANS FOR AND METHOD OF MAKING PLASTER CASTS OF FEET. ARTHUR A. PAGE, Racine, Wis., assignor to Racine Shoe Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Dec. 29, 1924. Serial No. 758,656. 4 Claims. (Cl. 18—55.)

1. A device for making a cast of a foot, consisting of a box arranged to receive plastic material, said box having a removable back, locking members for removably securing said back, and hinged sides whereby formed plastic material within the box may be entirely removed or in part removed, and means insertable ver-

tically and transversely in and between said plastic material to permit easy separation of the same when formed into sections.

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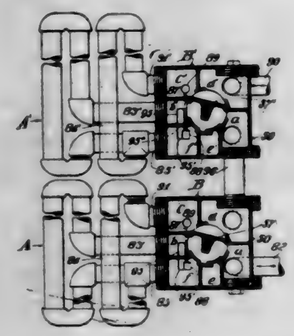
1,556,803. HEATING SYSTEM. PAUL B. PARKS, Oak Park, and JOHN VAN VULPEN, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed May 19, 1923. Serial No. 640,133. 8 Claims. (Cl. 237—40.)



2. In a heating system, the combination of two radiators and valves associated with said radiators, respectively, constructed and connected so that steam may be introduced into one of said valves, circulated successively through said radiators and the water of condensation discharged from the other valve, said last named valve comprising a casing having an outlet and a valve body which in one position directs the incoming steam to the radiator associated with said valve, and the water of condensation from said radiator to said outlet, said valve being provided with means which, when the valve body is in the position mentioned, permits water entering said valve from the other radiator to pass directly to said outlet instead of being circulated with the steam through the radiator associated with said valve while preventing the steam entering said valve from following the same course.

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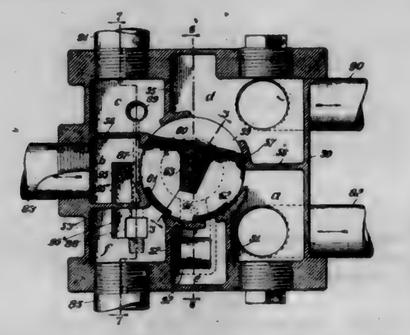
1,556,804. VALVE. PAUL B. PARKS, Oak Park, and JOHN VAN VULPEN, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Original application filed May 19, 1923, Serial No. 640,133. Divided and this application filed Apr. 18, 1924. Serial No. 707,435. 15 Claims. (Cl. 251—104.)

1. A valve comprising, in combination, a casing having a plurality of chambers, a revoluble valve body in

said casing provided on the top with a circular rib formed with diametrically arranged slots, a bonnet for the top of the casing, and a valve stem having a trans-



verse head bearing against the under surface of the bonnet and against the top of said valve and extending into said slots.

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1,556,805. RAILROAD TIE. ELLERY PERRY, Olean, N. Y., assignor of one-half to Roy E. Vance, Olean, N. Y. Filed Dec. 23, 1924. Serial No. 757,723. 1 Claim. (Cl. 238—30.)

A railroad tie having slots, an inverted U shape brace in each end of said tie under each slot, each brace having a groove, a screw threaded member resting in said groove, means on the member for engaging a rail and means to hold a rail at each end of the tie in parallel alinement.

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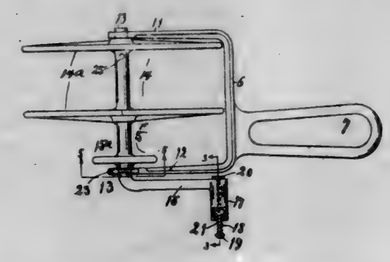
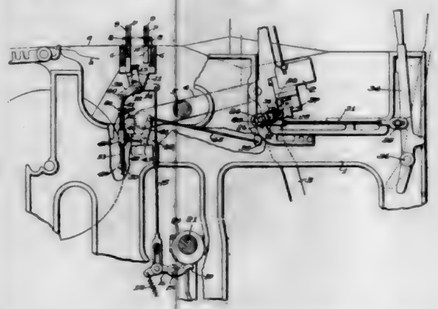
1,556,806. CLOTHESLINE STRETCHER AND REEL. PHILIP G. PETERSON, St. Paul, Minn. Filed July 31, 1924. Serial No. 729,409. 1 Claim. (Cl. 68—3.)



A clothes line winding and stretching device comprising a frame adapted to be secured to a stationary object, a winding reel journaled in the frame and having at one end a crank by which to rotate it; said reel comprising a main drum for the bulk of a clothes line, and at one end of said drum a second drum adapted to receive but a few final coils of the line for stretching it with extra force.

1,556,807. WARP STOP MECHANISM FOR LOOMS. GEORGE W. REID, Lawrence, and ALFRED DURAND, Methuen, Mass., assignors to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Apr. 1, 1925. Serial No. 19,801. 10 Claims. (Cl. 139—367.)



1. In a warp stop mechanism for looms, the combination of a series of drop wires, a detector, means for imparting detecting movement thereto, the lay having a bunter, a dog for cooperation therewith, stopping means operated by the dog when it is engaged by the bunter, connections between the dog and detector independent of the operating means for moving the dog on each detecting movement of the detector and arresting the dog for engagement by the bunter when the detector is arrested by a drop wire, and means in said connections for relieving the drop wire from injurious pressure by the detector due to movement of the dog by the bunter.

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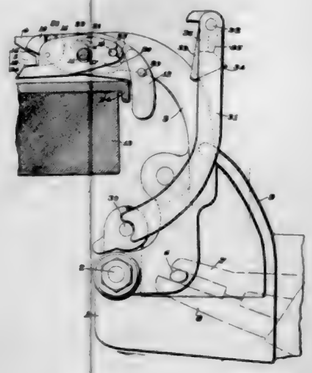
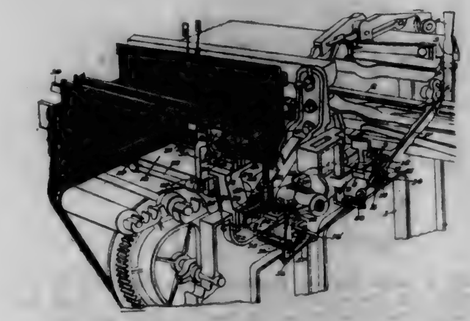
1,556,808. SHUTTLE-FEELER THREAD CUTTER. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 17, 1925. Serial No. 3,051. 11 Claims. (Cl. 139—264.)



1. In a loom, the combination of a shuttle feeler, a thread parter mounted on the shuttle feeler to part the outgoing filling between the shuttle and cloth selvage and comprising a pivoted primary parter member adapted to be pivotally operated by frontward movement of the lay, a secondary parter member independently pivoted on the shuttle feeler, and eccentric connections between said parter members for causing pivotal thread parting movement of the primary member to effect thread parting movement to the secondary member.



1,556,809. WARP STOP MECHANISM FOR LOOMS. MELVIN L. STONE, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Apr. 13, 1925. Serial No. 22,660. 8 Claims. (Cl. 139—331.)



1. In a warp stop mechanism for looms, the combination of a series of drop wires, a drop wire guide normally stationary during weaving and having projections for engaging a drop wire when it fails to be supported by a warp thread, a detector having a detecting movement transversely of the series of drop wires, loom stopping means for stopping the loom when the detector is arrested in its movement transverse to the series of drop wires, a push bar actuated by movement of the loom stopping means, a shaft connected to the drop wire guides and rocked by the push bar to impart warp fault locating movement to the drop wire guide.

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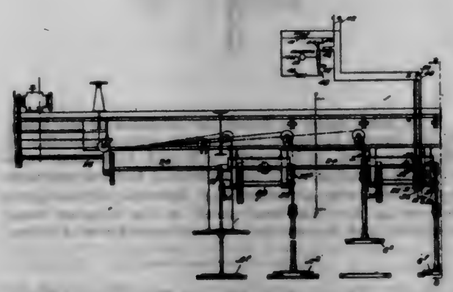
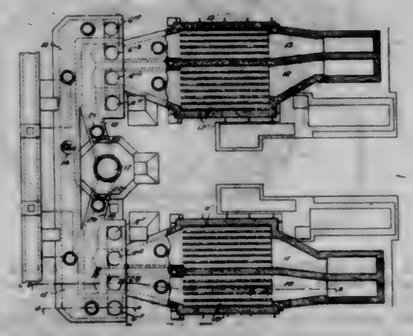
1,556,810. MECHANISM FOR OPERATING THE REVERSING VALVES OF REGENERATIVE FURNACES. CHARLES PRENTICE TURNER, Steelton, Pa. Filed Nov. 2, 1921. Serial No. 512,308. 15 Claims. (Cl. 277—6.)



1. In apparatus of the class described, the combination of a plurality of valves to be opened in sequence, a motor, mechanism driven by the motor for opening the valves sequentially, and means for retarding the speed of the motor during a predetermined period of the operation of said mechanism, whereby the lag between times of opening the valves may be increased.



1,556,811. VALVE-OPERATING MECHANISM FOR REGENERATIVE FURNACES. CHARLES PRENTICE TURNER, Steelton, Pa. Filed Nov. 2, 1921. Serial No. 512,304. 13 Claims. (Cl. 277—6.)



1. The combination with a furnace having air and gas regenerators, of valves for controlling passages for conducting products of combustion from the furnace to the regenerators, separate motors for operating the valves, and means for rendering the motors effective to open the valve in the passage leading to the gas regenerator before the valve is opened in the passage leading to the associated air regenerator.

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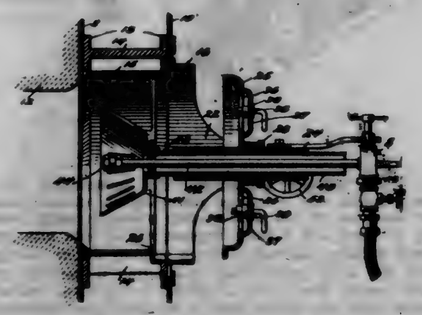
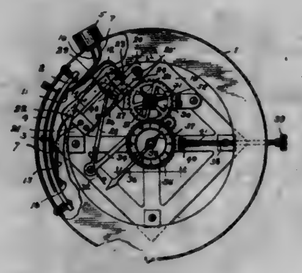
1,556,812. OIL-BURNING-FURNACE FRONT. WILLIAM S. WILKINSON, Elizabeth, N. J., assignor to Bethlehem Shipbuilding Corporation, Ltd., a Corporation of Delaware. Filed Apr. 25, 1923. Serial No. 634,574. 13 Claims. (Cl. 158—2.)



13. In a fuel burner, the combination of spaced front and back rings defining an annular forced-draft air inlet, a tubular valve for controlling the inlet, a frame hinged to the front ring, a tubular member carried by the frame and disposed axially thereof, a disc valve slidable on the tubular member for controlling the admission of atmospheric air through the tubular valve to the burner, means for connecting and disconnecting the tubular and the disc valves, and means for moving the disc valve longitudinally of the tubular member.

1,556,813. ALARM CLOCK. HARRY WONG, Duluth, Minn. Filed Feb. 28, 1925. Serial No. 12,193. 2 Claims. (Cl. 161—1.5.)



1. The combination with an alarm clock having an electric circuit cooperatively associated therewith and a switch therefor, of a setting dial concentric with the hand shaft of the clock and normally rotated thereby, a cam cooperatively connected with the dial, means intermediate of the cam and the switch whereby the latter is controlled, and means at the side of the clock and externally thereof for manually setting the dial.

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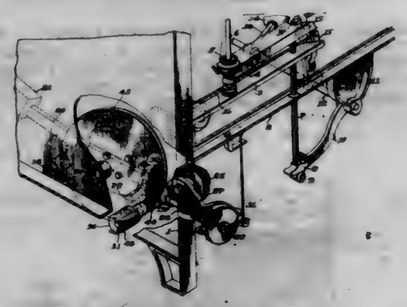
1,556,814. BUILDER MECHANISM FOR YARN-WINDING MACHINES. HORACE H. BURDETT, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 1, 1925. Serial No. 27,177. 20 Claims. (Cl. 242—43.7.)



1. In a builder mechanism, the combination of a main builder cam, a builder arm, a bunch building member mounted on the builder arm, means normally tending to move said member transversely of said arm into bunch building position, a bunch building device rotating with the main builder cam and acting to restrain the said member from such movement during main traverse winds until the builder arm is depressed and thereupon permitting said member to be moved by said normally acting means into bunch building relation with the bunch building device.

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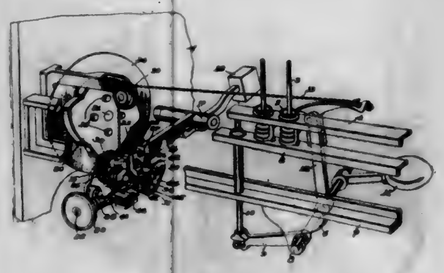
1,556,815. BUILDER MECHANISM. HORACE H. BURDETT, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 21, 1925. Serial No. 31,231. 12 Claims. (Cl. 242—43.7.)

1. In a builder mechanism, the combination of a main builder cam, a builder arm, a bunch builder worm carried by the builder arm, operator operated means carried by the builder arm for moving the worm into bunch building position, a rotating bunch building device for engaging the worm and restraining it from movement



out of bunch building position until such device is rotated and thereupon acting directly upon the worm to progressively move it out of bunch building position.

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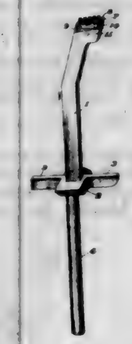
1,556,816. FEELER TIP. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 2, 1925. Serial No. 6,292. 8 Claims. (Cl. 139—287.)



1. A filling feeler to detect the condition of the filling in the shuttle having a tip provided with a plurality of relatively fixed and closely arranged horizontal rows of filling engaging teeth, the individual teeth of one horizontal row being arranged in a different vertical plane relative to the individual teeth of the adjacent fixed horizontal row to cooperate with different kinds of filling.

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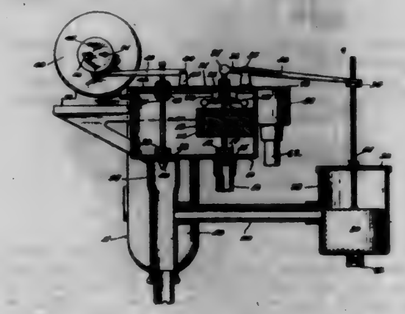
1,556,817. REGULATING DEVICE FOR COMBUSTIBLE FURNACES. WILLIAM L. HIGGINS, Buffalo, N. Y. Filed Nov. 28, 1923. Serial No. 677,549. 7 Claims. (Cl. 158—38.)

1. A regulator for oil comprising a reservoir having inlet and outlet ports, said inlet port being connected with an oil supply and said outlet port opening into a pipe line, a valve seat in said inlet port having axial and radial passages for admitting oil into said reservoir, a needle fitting said valve seat and adapted to close said passages, a float in the reservoir, a sleeve on said needle, a two-armed lever fulcrumed in the reservoir and engaging with said sleeve, said float being adapted to contact with said lever to depress said needle upon the oil



in the reservoir rising above a predetermined level, and other means independent of said lever and sleeve controlled by the liquid in the pipe line for seating said needle.

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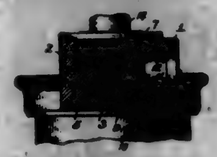
1,556,818. LOCK. GEORGE S. HILL and AUGUSTUS C. SAXTON, Chicago, Ill., assignors, by direct and mesne assignments, to H-R Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 24, 1921. Serial No. 509,907. 3 Claims. (Cl. 70—90.)



1. In a structure of the character described having a lock, a steering post, a steering column, a rotatable locking cylinder in said lock, a lock bolt for positively connecting certain of said elements to prevent relative rotation thereof, and means for actuating said bolt including a pinion, said pinion having certain of its teeth cut away to provide an angular integral extension cooperatively connecting with the said locking cylinder to form a rotatable driving connection between said cylinder and said pinion.

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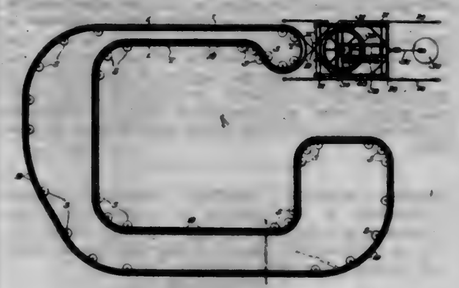
1,556,819. CABLE-OPERATED CONVEYER. JOHN EDGAR HIBBS, Langhorne, Pa., assignor to Cook Pottery Company, a Corporation of New Jersey. Filed Oct. 9, 1924. Serial No. 742,527. 11 Claims. (Cl. 104—173.)

1. A cable operated conveyer comprising an endless track, a plurality of cars adapted to travel on the track and each provided with cable gripping means, a cable having spaced stops cooperative with the gripping means of the cars and extending adjacent the track, and means, comprising a carriage movable relative to the track, a



driving sheave carried thereby and a counterpoise connected to the carriage, operative to drive the cable and maintain a uniform tension thereon.

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1,556,820. MANUFACTURING RED LEAD. HENRY HOCKING, Budapest, Hungary, assignor of one-half to Orion Reskoho-es Részálicgyár Részvenytársaság, Budapest, Hungary. Filed Aug. 5, 1924. Serial No. 730,298. 1 Claim. (Cl. 23—146.)

The process of making red lead which comprises enclosing lead containing material in a pressure tight vessel, simultaneously enclosing in the said vessel rolling bodies made of material the melting point of which is considerably higher than that of lead, maintaining within the said vessel a raised pressure by means of an oxidizing gas under pressure, and rotating the said vessel while the charge therein is being heated to a temperature above the melting point of lead.

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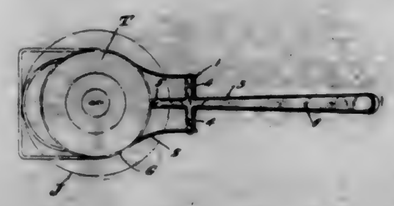
1,556,821. FRUIT-JAR OPENER. MARY L. HODGE, Franconia, N. H. Filed Dec. 26, 1922. Serial No. 608,936. 1 Claim. (Cl. 81—3.1.)



A jar opener comprising a lifting element in the form of a lever having an elongated shank thickened at its rear end to form a hand grip and having its front end beveled to form a chisel-like point to facilitate its insertion under the gasket of a jar, laterally extending oppositely disposed arms spaced inwardly from said point, a yoke member for embracing the jar neck and having its ends pivotally connected to the free ends of said arms, the pivotal connection of the ends of the yoke with the terminals of the arms enabling the lifting element to oscillate in a plane passing through the longitudinal axis of the jar so that the lever may move up and down for forcing the top off the jar.

**1,556,822. MULTIPLE-ROAST CHLORIDIZING PROCESS.** OSCAR B. HOSTETTER, Salt Lake City, Utah. Filed Apr. 18, 1922. Serial No. 555,860. 6 Claims. (Cl. 75—17.)

6. A multiple-roast chloridising process for ores, the said process being practiced in two or more roasting stages, each stage embracing the mixing of the ores or the product of a previous roasting stage, as the case may be, with suitable quantities of salt, sulphur and coal, and then roasting the mixture in the presence of air, the quantity of sulphur employed in each of the said stages being so proportioned that on combustion of the sulphur, a sintering of the mixture shall not take place.

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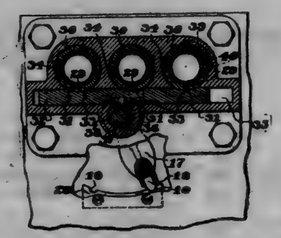
**1,556,823. ELECTRIC SWITCH.** MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 22, 1917, Serial No. 197,792. Renewed May 22, 1924. 59 Claims. (Cl. 200—3.)



1. In an electric switch, a movable switch element, a connector comprising a single plug, and means for locking the former in open position actuated by the latter upon a removal movement thereof.

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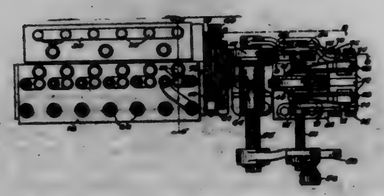
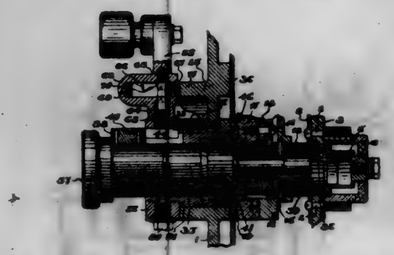
**1,556,824. ELECTRIC CONTROLLER.** CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Corporation, a Corporation of Massachusetts. Filed May 10, 1918. Serial No. 233,724. 25 Claims. (Cl. 200—6.)



1. In a motor controlling mechanism, a rotary circuit controller, a rotary reversing switch arranged with its axis extending in a direction transverse to the direction of the axis of said controller and disposed at one end of the latter, operating means for said reversing switch, and operating means for said controller adjacent the operating means for said reversing switch.

25. In an electrical controlling device, a rotatable disc, a pair of contacts at each side of the plane of said disc, and a pair of conducting members carried by said disc but wholly insulated from each other operative when said disc occupies different positions selectively to connect the contacts of each pair or to connect the contacts of one pair with the contacts of the other.

**1,556,825. ELECTRICAL CONTROLLER.** CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 14, 1918. Serial No. 240,035. Renewed May 19, 1924. 85 Claims. (Cl. 200—3.)



25. The combination of a casing, electrical controlling means including a handle, a connector for introduction into said casing, means for locking said connector against removal resiliently biased to locking position, and means rotatable as said handle rotates for positively retracting said locking means.

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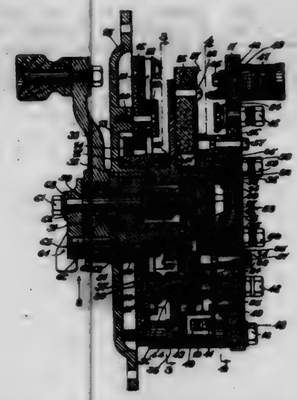
**1,556,826. ELECTRICAL CONTROLLER.** CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Corporation, a Corporation of Massachusetts. Filed July 22, 1918. Serial No. 246,219. 23 Claims. (Cl. 200—14.)



1. In an apparatus of the character described, in combination, a casing, contact members therein, a brush cooperating with said contact members, a hollow shaft by which said brush is carried, said shaft being journaled in the wall of said casing, an operating handle carried by said shaft at the exterior of said casing, and a reversing switch comprising contact members within said casing, a disk cooperating with said contact members and loosely and rotatably mounted within said casing, a shaft arranged concentric with said first named shaft and journaled within the same, an operating handle carried by said last named shaft at the exterior of said casing, means for loosely connecting said last named shaft and disk for rotation in unison, and a spring interposed between said last named shaft and disk for pressing the latter into engagement with its cooperating contact members.

2. Controlling mechanism comprising a circuit controller movable in different directions to effect different connections, and means for controlling the movement of said circuit controller including means necessitating movement from said neutral position in one of said directions prior to movement in the other direction, said movement controlling means also including means cooperating with said second mentioned means in locking said controller in said neutral position, said second and third mentioned means each preventing movement of said circuit controller from its neutral position in a single direction only.



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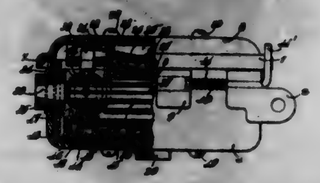
**1,556,827. FUSE.** CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 16, 1919. Serial No. 297,531. 48 Claims. (Cl. 200—133.)



1. In a fuse box, a fuse and container therefor, a cover therefor, and common means automatically operative in all positions of the box to prevent closure of the container by the cover when the latter is moved toward closed position and to prevent said fuse being operative until said container is substantially closed.

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**1,556,828. ELECTRICAL CONTROLLING DEVICE.** CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 16, 1919. Serial No. 297,583. Renewed Feb. 18, 1925. 18 Claims. (Cl. 200—11.)

1. In a reversing switch, a support, a plurality of contacts thereon, a guiding and retaining means carried by said support, an open ended insulating member surrounding said contacts and held in position on said support by said guiding and retaining means, a plurality of movable contacts, and a unitary element closing the open end of said insulating member and freely insertable therethrough for controlling the movement of said movable contacts.

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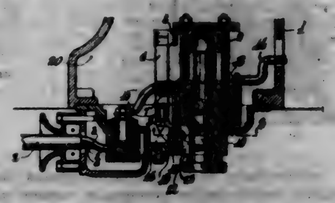
**1,556,829. INTERLOCKING MECHANISM.** CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 28, 1920. Serial No. 385,012. 19 Claims. (Cl. 200—3.)



2. In an interlocking mechanism, a switch, a plurality of separately removable cooperating connectors, and plunger mechanism for locking said switch upon removal of any connecter.

18. In an electrical apparatus, a fuse plug, a stationary contact adapted to receive said plug longitudinally upon insertion of the latter, and a knife switch contact, said contacts having a common immediate support and said second contact being adapted to cooperate with a switch blade moving in a plane parallel to the direction of insertion of said plug.

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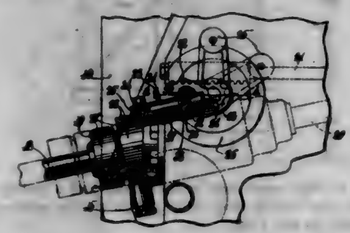
**1,556,830. CONTROLLER INTERLOCK.** CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 30, 1921. Serial No. 481,695. 22 Claims. (Cl. 200—16.)



2. The combination with a controller, a controller handle, and a plug in circuit with said controller, of a locking device for said plug controlled by said handle and a leaf spring carrying said locking device and determining the path of movement thereof, said leaf spring normally holding said locking device in unlocked position.

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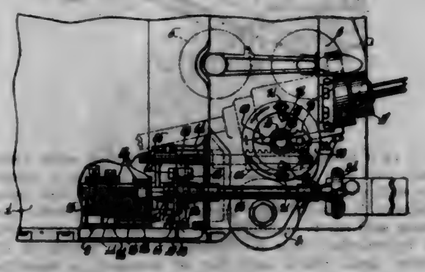
**1,556,831. ELECTRIC CONTROLLING MEANS.** CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Nov. 23, 1921. Serial No. 517,621. 22 Claims. (Cl. 200—18.)



1. In an electric controlling mechanism, a controller member movable in opposite directions from a given position to produce different circuits, and means including movable means comprising only a single rectilinearly movable element for selectively controlling the direction in which said member may be moved.

17. In an electric controlling mechanism, a controller, a connecting plug, and independently operable interconnected controlling means therefor operative on movement to release said plug to first lock said controller.

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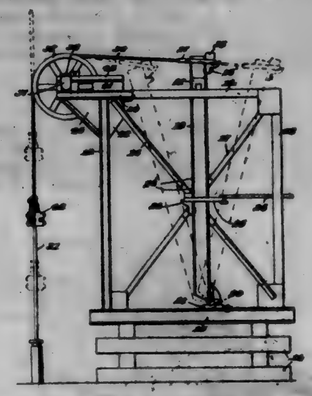
**1,556,832. PULL-ROD PUMP JACK.** JULIUS H. HOLMGREEN, San Antonio, Tex. Filed Sept. 22, 1924. Serial No. 739,411. 11 Claims. (Cl. 74—5.)

1. In a pull-rod pump-jack, a base, an upstanding beam pivoted at its lower end on the base, a fixed frame

on the base providing lateral guides for the beam, a yoke on the beam for attachment of a pull-rod, a cable



connected to the upper end of the beam, and a pulley on the frame over which said cable passes to the pump-rod, substantially as set forth.

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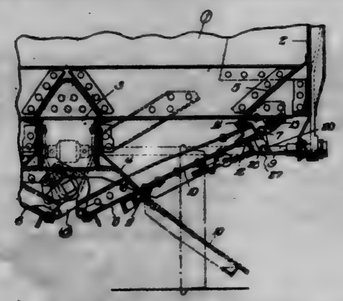
1,556,833. DOOR-CONTROL MEANS. WILLIAM JOSEPH HOSCHEIT and DAVID HINDAHL, Chicago, Ill., assignors to Rodger Ballast Car Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 22, 1923. Serial No. 676,236. 9 Claims. (Cl. 105—251.)



1. In a railway dump car, sloping bottom walls forming a part of a hopper, a swinging door forming a closure for said sloping bottom walls, said swinging door being disposed to direct lading intermediate of the tracks upon which said car is mounted, said door being provided with an intermediate door for directing lading outside of the tracks upon which said car is mounted, a mounting member rigidly united to said first mentioned door for swingingly supporting said door, said mounting member being provided with a swinging latch member biased to underlie said intermediate door, when said intermediate door is in closed position.

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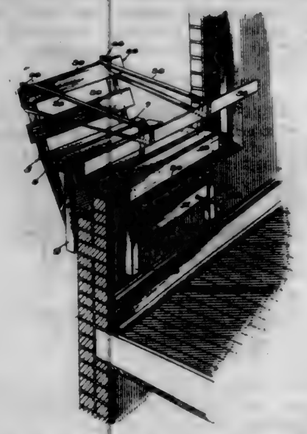
1,556,834. PRODUCT FOR AUTOMATICALLY SEALING PUNCTURES IN PNEUMATIC TIRES. EUGÈNE JULES HOUDRY, Paris, France, assignor to J. Houdry & Fils, Paris, France, a Limited Joint Stock Company. Filed Oct. 12, 1922. Serial No. 594,190. 3 Claims. (Cl. 134—125.)

2. The herein described method of manufacturing a product for sealing punctures in pneumatic tires, which consists in boiling bran and soda solution in a liquid, permitting the mixtures to cool, adding dissolved salicylic acid to said mixture and thereupon adding kieselguhr and asbestos to the mixture.

1,556,835. WINDOW SEAT. EMMA HUHN, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 638. 1 Claim. (Cl. 304—27.)



A chair for use by window washers comprising front and rear legs, a seat having horizontal rails rigidly secured to the upper portions of said legs, a back having inclined rails secured to the rear ends of the first named rails and to said rear legs, said front and rear legs being adapted to straddle a window frame, flexible loops extended about the upper portions of said second-named rails and forming flexible detachable sides for said chair, and a bar adapted to be passed through the forward portions of said loops and having its ends extended beyond the sides of the window frame at substantially the height of the chair back to hold the chair in position, said loops being located at opposite sides of the chair to prevent the occupant from falling out sideways.

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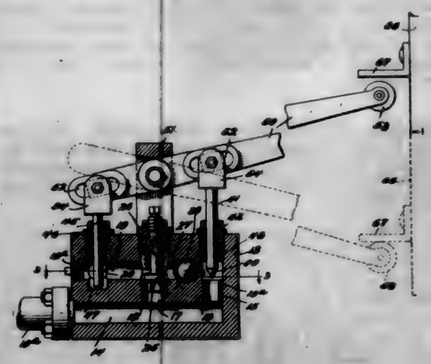
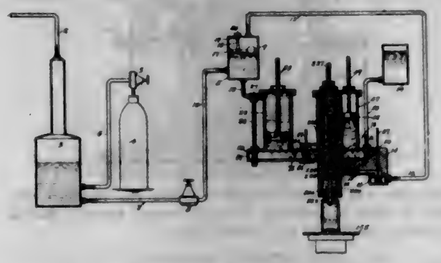
1,556,836. ACCUMULATOR-CONTROL MECHANISM. HOWARD H. HUMMEL, Bethlehem, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed May 28, 1923. Serial No. 642,092. 18 Claims. (Cl. 103—222.)



1. In combination, an accumulator, means for supplying liquid thereto under pressure, a conduit through which liquid may flow from said accumulator, and means controlled by a preponderance of the pressure of the liquid on the inlet side of said conduit over the pressure on the outlet side thereof for restricting flow of the liquid from said accumulator through said conduit.



1,556,837. PACKAGING APPARATUS. GEORGE J. HUNTLEY, Baltimore, Md., assignor to The Crown Cork and Seal Company of Baltimore City, a Corporation of Maryland. Filed July 6, 1918. Serial No. 243,652. 60 Claims. (Cl. 226—77.)



1. In packaging apparatus, and in combination, a filling head, a bottle support, means for causing successive relative movements between the head and support to assemble the head and successive bottles in filling relation, container means, having a connection with the head, for a supply of carbonated liquid, means for establishing a substantial counterpressure in the bottles to be filled, and mechanically operated means for positively forcing uniform charges of said liquid into the successive bottles.

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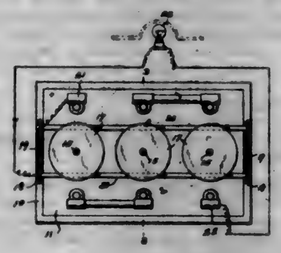
1,556,838. STORAGE-BATTERY INDICATOR. GEORGE A. JENSEN, Denver, Colo. Filed May 3, 1924. Serial No. 710,859. 1 Claim. (Cl. 177—311.)



The combination with a storage battery having the usual cells, of a signal connected in an open circuit with the battery, and means operating upon a predetermined lowering of the levels of fluid in any of the cells of the battery for closing the circuit of said signal, comprising spaced bars extending longitudinally of the storage battery at opposite sides of the filling caps of the cells thereof, said caps having openings therein, floats arranged within each cell, an insulated bar connected with each float and extending through the opening of the cap, and a contact bar carried by each bar and adapted to connect the first named bars upon a predetermined lowering of the level of the liquid within the cell.

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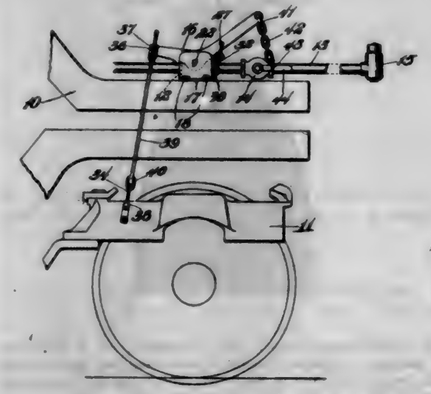
1,556,839. SAFETY DEVICE FOR LOCOMOTIVE TRUCKS. HARLY S. JOHNSON, Erwin, Tenn. Filed Mar. 8, 1925. Serial No. 12,960. 5 Claims. (Cl. 246—170.)

1. In a safety device for indicating derailment of locomotive trucks and the like, a lever pivoted intermediate its ends upon the main frame of the locomotive, a connection between one end of the lever and the locomotive truck permitting limited transverse and vertical movement of the truck without imparting such movements to the lever, comprising a link connected to the lever and depending from the truck and provided upon its lower end with a vertically elongated eye and an arm secured to the truck and provided upon its upper end



with a transversely extending head having a longitudinally extending slot in which the eye is engaged, a connection between the opposite end of the lever and a control element, a signal operated from the control element and means for limiting movement of the lever in a direction to operate the control element.

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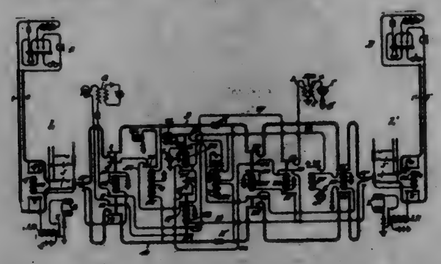
1,556,840. UNIVERSAL JOINT. WILLIAM H. KADESCH, Cedar Falls, Iowa. Filed Aug. 9, 1924. Serial No. 731,168. 4 Claims. (Cl. 64—91.)

1. A universal joint of the character described comprising a substantially annular member having an elongated opening therethrough, trunnions carried on said member, having their axes transverse to the axis of said opening, means for rotatably mounting said member upon a shaft, and a second shaft having a cross sectional contour adjacent its outer end, corresponding to the contour of said elongated opening, said shaft being projected through said opening, whereby rotation of the first named shaft would cause rotation of the second named shaft, and means associated with said member and said second named shaft for confining lateral movement of said shaft in said opening, said means comprising projections, diametrically opposed, extending inwardly from the side walls of said opening through said member in grooves provided in the side walls of said shaft extending longitudinally of said shaft.

1,556,841. BROOM. CHARLES M. KENNEY, Atlanta, Ga., assignor to W. H. Zachry, Atlanta, Ga. Filed July 13, 1923. Serial No. 651,354. 1 Claim. (Cl. 15—189.)

A broom comprising a body consisting of a plurality of stalks, a tubular member imbedded in said stalks and around which the butts of the stalks are clustered, said member having corrugations defining external ribs and internal threads, a binding wire surrounding said stalks below their butt ends and urging the same into interlocking engagement with the external ribs on said tubular member, the outer end of the tubular member being extended beyond the stalk butts and formed with a laterally projecting annular flange, and a cloth covering extending over the butt ends of said stalks, said covering confined at its center between said flange and the stalk butts and being held in position at its outer edge by said binding wire.

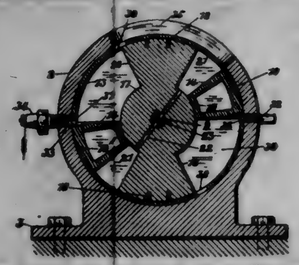
1,556,842. TELEPHONE SYSTEM. LEROY D. KELLOGG, Deerfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 19, 1921. Serial No. 501,752. 15 Claims. (Cl. 179—58.)



12. An operator's link circuit having a relay for energisation to disconnect ringing current from said link, a supervisory relay effective on its de-energisation to energise said relay, another supervisory relay effective on its energisation to energise said relay.

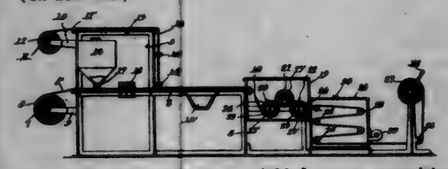
1,556,843. ROTARY ENGINE. CLOYD LELAND KINDER, Denver, Colo. Filed Mar. 29, 1923. Serial No. 628,632. 4 Claims. (Cl. 123—11.)

2. A rotary engine comprising a casing having a ported circular piston chamber, a piston element having a plurality of piston heads, a pressure element having a corresponding number of pressure heads, said elements being mounted to rotate in said chamber and adapted to hold a lubricant in alternate spaces between their



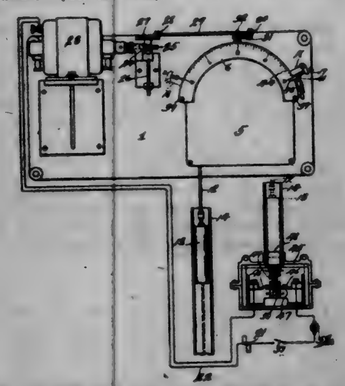
respective heads, and means to cause the pressure element to move periodically at an increased velocity during th rotary motion of the piston element.

1,556,844. APPARATUS FOR PRODUCING CRINKLED PAPER. EBERHARD KLEPPER, Crimmitschau, Germany. Filed Dec. 10, 1923. Serial No. 679,789. 1 Claim. (Cl. 154—35.)



Apparatus for producing a crinkled paper, comprising a table, a support for the table, means for supporting a roll of backing paper near one end of the table to deliver the same to the upper surface of the table, a tank arranged above the table for feeding a sizing to the upper surface of the paper, means for supporting a roll of crinkled paper in a manner to deliver the same to the upper coated face of the backing paper, a heating chamber, a plurality of heated cylinders mounted within the chamber about which the paper travels, a restoring chamber having means therein for supporting the paper in a plurality of runs, and means for effecting a circulation of fresh cold air within the restoring chamber.

1,556,845. PHOTOGRAPHIC LIGHT-TIMING DEVICE. ALEXANDER T. KOPPE, Chicago, Ill., assignor to Directoplate Corporation, Chicago, Ill., a Corporation of Illinois. Filed Nov. 26, 1923. Serial No. 676,982. 16 Claims. (Cl. 95—73.)



1. The combination with a photographic light circuit, a light carried by said circuit, a circuit maker and breaker carried by said circuit, of an automatically

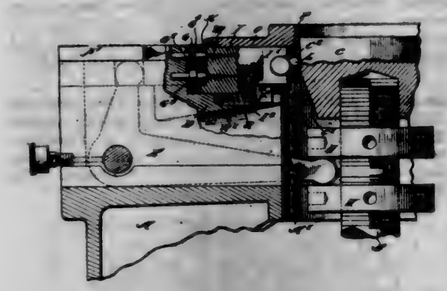


controlled weight for opening said circuit maker and breaker, and means for controlling said weight in its speed of movement incident to the fluctuating voltage on the circuit.

1,556,846. TOY GUN. KALMAN KOVACS, Manbar, W. Va. Filed Nov. 20, 1922. Serial No. 602,306. 1 Claim. (Cl. 124—10.)

A toy of the character described comprising a body portion having a flat bottom, sides and a curved top, and a longitudinal bore opening at one end, a metallic sleeve lining said bore throughout its entire length, the forward edge of said sleeve being slotted to provide a plurality of bendable portions which increase in width toward their outer ends, said ends being adapted to be bent outwardly against the adjacent end of the body portion to protect the latter, a spring pressed plunger operating within the sleeve, a rod connected with the plunger and slidable through the other end of the body portion, and spaced sights rising from the curved top and arranged one at one end and the other at a point between the ends of said top for the purpose specified.

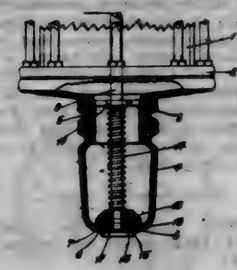
1,556,847. MACHINE FOR SIZING, CUPPING, AND PUNCHING RIMS. HARRY W. KRANS, Cleveland, Ohio, assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 24, 1920. Serial No. 383,765. 4 Claims. (Cl. 113—48.)



1. In a device of the kind described, the combination with the segments of the outer sectors and means for moving the same, of the inner sectors and means for moving them outwardly, said sectors being movable upon the segments, and a top plate resting upon the inner sectors and springs interposed between the inner sectors and the segments.

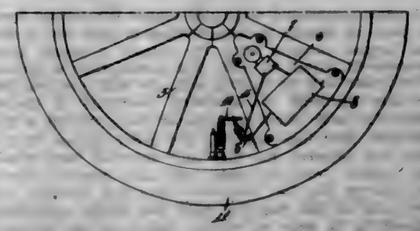
1,556,848. VALVE. CHARLES M. KRUGER, St. Louis, Mo., assignor to Parbee Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 28, 1922. Serial No. 546,113. 2 Claims. (Cl. 251—27.)

2. The combination with a discharge outlet passage having an outlet opening, of a valve having a portion of greater length than said opening and being movable to project said portion through and withdraw said portion from the opening, and a rib on the outer side of said portion extending well beyond the wall of the opening when the valve is closed, the lower edge of said



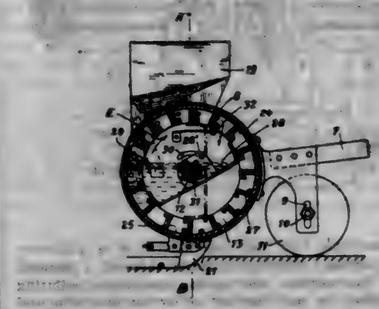
rib being beveled inwardly to form an attenuated lower edge and said portion of the valve having a chamber in its lower side surrounded by said rib.

1,556,849. AUTO TIRE PROTECTOR. THEODORE H. KRUSE, Arvada, Colo. Filed Dec. 9, 1922. Serial No. 605,939. 2 Claims. (Cl. 200—58.)



1. A signaling device adapted for use in connection with the air valve of a pneumatic tire, said signaling device comprising a tubular member in communication with the tire valve, a rod operating in the tubular member and having its upper end extended through the upper end of the tubular member, a plunger on the lower end of the rod and adapted to be moved by air pressure within the valve, a coiled spring disposed between the plunger and upper end of the tubular member, and connected with the plunger rod, and said contact arm extending at right angles with respect to the rod.

1,556,850. MACHINE FOR SOWING SEED. GEORG KÜHNE, Konigsberg, Germany. Filed Mar. 29, 1924. Serial No. 702,988. 12 Claims. (Cl. 221—185.)



1. Machine for sowing seed comprising in combination a hopper, a bucket wheel rotatably mounted within a casing, a seed receptacle in communication with said

hopper, an adjustable partition for separating a plurality of buckets from the seeds in said seed receptacle and for emptying the seed receptacle.

12. A device of the character described comprising a circular casing, a bucket wheel in the form of an annulus, mounted for rotation therein and comprising a plurality of spaced buckets each having a seed carrying compartment and a yieldable element located inside of the bucket wheel and supported from the casing, the free end of which engages the inner ends of said buckets to snap past them as they rotate and thereby impart a series of blows to the bucket wheel to dislodge surplus seeds from the buckets.

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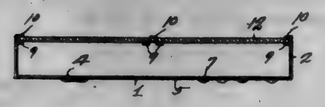
1,556,851. GAME. ANDREW KULAS, Marple, Nebr. Filed Mar. 24, 1922. Serial No. 546,260. 1 Claim. (Cl. 773—115.)



A game comprising a circular shaped box formed from one piece of flexible metal, a bottom in said box, a side wall formed integral with the bottom, a round glass top disposed within the box, lugs formed from a portion of said side wall by cutting said side wall and bending the lugs inwardly to horizontal positions in spaced relation to each other, and spaced from the top of the side wall, said lugs engaging the under surface of the glass top adjacent its edge and adjacent each other, lugs formed from the side wall and disposed above and between the first mentioned lugs and engaging the upper side of the glass top, said last named lugs being adapted to be bent to vertical positions for allowing removal of the glass top and to horizontal positions for holding the glass top securely in place.

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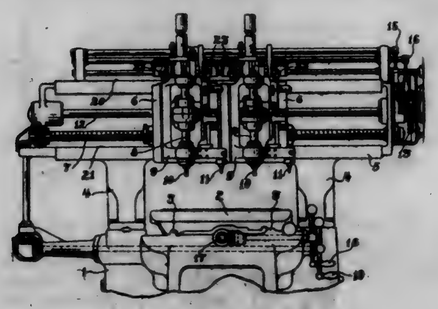
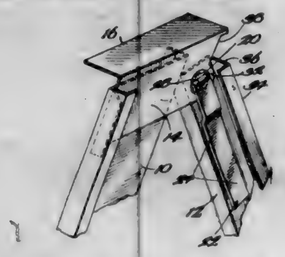
1,556,852. PROFILING MACHINE. JERRY J. LA DUCHE, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed June 9, 1923. Serial No. 644,387. 12 Claims. (Cl. 90—16.)



1. In a machine tool, the combination of a guideway support, a carriage slidably mounted thereon, a member pivoted to the carriage and having two arms radiating from the pivot, an anti-friction roller on one arm and in rolling contact with the guideway, and means engaging the other arm for adjusting the same about its pivot in a manner to transmit a portion of the weight of the carriage to the roller and guideway.

1,556,853. STEPLADDER HINGE. FERNANDO J. LE BEAU, Niles Center, Ill., assignor of one-third to Erick Blaine Thelin and one-third to Titus L. Thelin, both of Chicago, Ill. Filed Feb. 18, 1924. Serial No. 693,464. 6 Claims. (Cl. 228—68.)



5. A hinge construction comprising two adjoining plates provided with registering openings; and a strip secured at one end to one of said plates, the other end of said strip being bent to pass through both of said openings, substantially as described.

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1,556,854. MANUFACTURE OF GRAPE SUGAR. ADOLPH W. H. LENDERS and JOHN M. WIDMER, Cedar Rapids, Iowa, assignors to Penick & Ford Ltd. Incorporated, Cedar Rapids, Iowa, a Corporation of Delaware. Filed May 23, 1923. Serial No. 641,020. 14 Claims. (Cl. 127—9.)

12. Method of converting starch into dextrose which consists in reducing the content of insoluble protein in the starch so that it is not substantially in excess of .35% (based on dry substances) and removing substantially all of the soluble protein; converting the starch by acid hydrolysis to substantially the glucose stage; neutralizing the liquor in the presence of the phosphoric acid and filtering the same to remove insoluble and coloidal protein matter; treating the liquor with tannic acid to coagulate the albuminoids made soluble by the converting acid, subjecting the liquor to an adsorption filtration; converting the purified liquor to a dextrose content of more than 90%, neutralizing the converted liquor and bringing about the solidification and cyrstallisation of the entire body of converted liquor.

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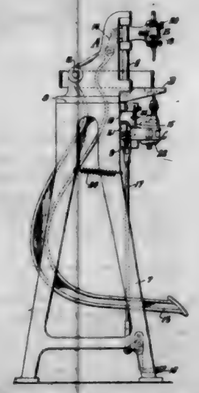
1,556,855. APPARATUS FOR RELINING BRAKE BANDS, CLUTCH DISKS, AND THE LIKE. JAMES R. LEWIS, Laurelton, N. J., assignor to Provident Machine Company, a Corporation of Delaware. Filed Aug. 31, 1923. Serial No. 660,301. 5 Claims. (Cl. 29—26.)



1. Apparatus for relining brake bands, clutch disks and the like comprising a standard, a body portion mounted on the standard, a work table carried rigidly by the body portion, a sliding turret head carried in vertical guide means on the body portion, a foot lever fulcrumed well up in the body portion, and a drilling mechanism carried in vertical guide means on the standard, said last mentioned guide means positioned to maintain the drilling mechanism in line with the tools in the turret head.



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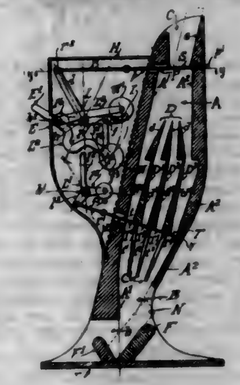
1,556,856. DEVICE FOR SHUFFLING CARDS. LOUIS P. LIPPS, Cleveland, Ohio, assignor to George C. Wing, trustee, Cleveland, Ohio. Filed Feb. 28, 1924. Serial No. 695,683. 15 Claims. (Cl. 273—149.)



1. In a shuffler for cards and similar articles, the combination of a casing, a series of transverse compartments for the reception of the cards during the process of shuffling rigidly affixed thereto, a supporting platform for the pack above said series in and movably related to the casing, and means for gradually moving said support backwardly beneath the pack in order to allow the cards to fall into the compartments below, substantially as shown and described.

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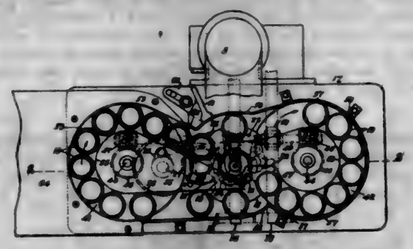
1,556,857. PACKAGING APPARATUS. FRANK L. LLOYD, Baltimore, Md., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed Aug. 16, 1922. Serial No. 582,169. 7 Claims. (Cl. 226—96.)



1. In a packaging apparatus, and in combination, a packaging head, a plurality of free adapter cups, a rotary spider having a plurality of cup-receiving pockets for centering said cups successively beneath the packaging head, means for giving said spider a step by step rotation, and means for feeding the cups successively into the spider pockets.

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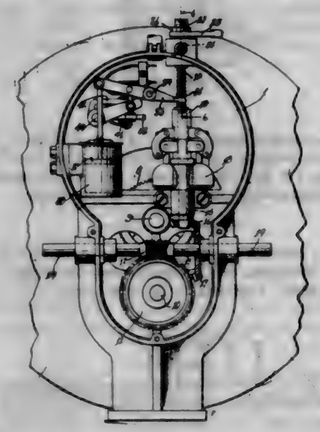
1,556,858. SHIELDED HOIST CONTROLLER. HENRY HAVELOCK LOGAN, Chicago, Ill. Filed May 16, 1924. Serial No. 713,868. 8 Claims. (Cl. 187—89.)

5. In a controller of the type described, a switch comprising a shaft, a switch member loosely mounted on said shaft and extending radially therefrom, a second switch member fixed to said shaft, said switch members each being provided with a contact member arranged to engage with one another, means for normally moving said switch members toward one another, an arm fixed to said shaft, cam operated means arranged for



operation by the hoist drum of a mine hoist for engaging with and moving said arm, thereby rotating said shaft, and means for retarding the movement of said switch member mounted loosely on said shaft, whereby rotation of said shaft may cause said switch members to move apart from one another.

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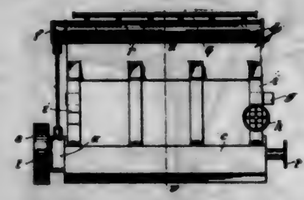
1,556,859. INTERNAL-COMBUSTION ENGINE. PROSPER L'ORANGE, Mannheim-Freudenheim, Germany, assignor to Motoren-Werke Mannheim A.-G. vorm. Benz Abt. Stationärer Motorenbau, Mannheim, Germany, a Corporation of Germany. Filed Feb. 9, 1924. Serial No. 691,687. 1 Claim. (Cl. 123—59.)



A vertical internal combustion engine having a number of fixed elements thereof disposed symmetrically on both sides of a median plane extending transversely of said engine, said engine being provided at its front and rear ends with similar fitting faces and a plurality of diverse elements adapted to be interchangeably secured to the corresponding fitting faces provided at each end of said engine, whereby said engine may be changed from a right hand to a left hand engine or vice versa by rotating it through an angle of 180° about its central vertical axis and changing said diverse elements from the fitting faces provided at one end of the engine to the corresponding fitting faces at the other end thereof.

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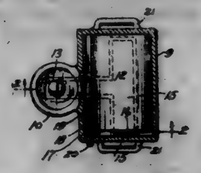
1,556,860. FLASH-LIGHT TRAFFIC SIGNAL. JOHN M. LOVAAS, Minneapolis, Minn. Filed May 11, 1923. Serial No. 638,260. 2 Claims. (Cl. 177—329.)

1. A direction signal comprising a casing, and an electric circuit in the casing including a light bulb, a battery, a tube grounded through the casing, and a gravity-

operated sliding plunger in the tube, said battery having a yielding terminal contact normally out of engagement with the tube and in position to make contact with the



end of the sliding plunger only when the signal is held in signaling position, and a non-conducting push button in position for moving the said yielding terminal contact into engagement with the end of the tube.

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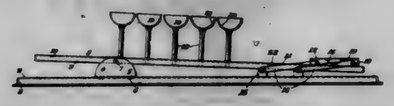
1,556,861. GAME APPARATUS. PATRICK J. MCGRATH, Brooklyn, N. Y. Filed Feb. 25, 1924. Serial No. 694,856. 4 Claims. (Cl. 273—101.)



1. A game apparatus embodying an up-and-down-moving member adapted for throwing objects obliquely upward, a movable finger member to move the first-mentioned member upward, and a member on the last-mentioned member in line with the direction of movement of such objects and adapted to receive them when thrown.

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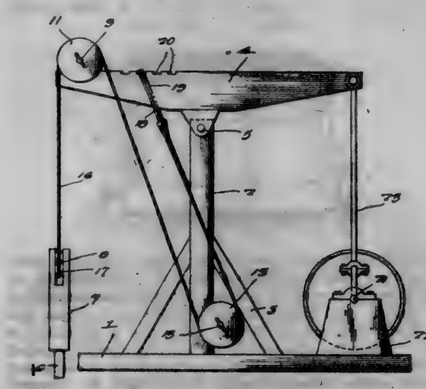
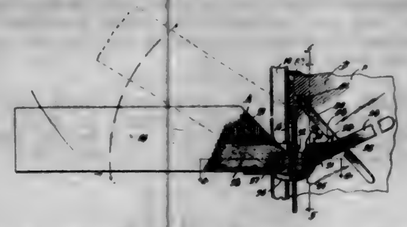
1,556,862. PUMPING OUTFIT. CLYDE MCKISSICK, Maxine, Okla. Filed Dec. 11, 1924. Serial No. 755,230. 4 Claims. (Cl. 74—5.)



1. In combination, a supporting standard, a walking beam pivotally supported intermediate its ends thereon, a pump rod, a pulley supported on the upper end thereof, a pair of pulleys on the forward end of the walking beam, an additional pair of pulleys supported on the lower portion of the standard, a cable looped intermediate its ends, the looped portions thereof being disposed over the pulley on the pump rod, the free ends of the cable extending over the aligning pulleys on the beam and standard respectively, means for securing the free ends of the cable to the forward portion of the beam, and means associated with the rear end of the beam for oscillating the same.

1,556,863. AUTOMOBILE SIGNAL. ADOLF MEISSNER, Grand Rapids, Mich. Filed Nov. 15, 1924. Serial No. 750,100. 3 Claims. (Cl. 116—52.)



1. In a direction signal for automobiles, a supporting plate, means associated with the plate for permitting the connection thereof with an automobile, a bracket secured to the plate and extending outwardly from one face thereof, a second bracket secured to the opposite face of the plate and extending outwardly therefrom, a semaphore arm pivotally secured to the first mentioned bracket, an operating lever pivotally secured to the second mentioned bracket and adapted to extend into the interior of an automobile, a double arm lever pivotally secured at a point intermediate its end to the second mentioned bracket, means pivotally connecting one arm to the operating lever inwardly of the pivot point of said lever, a link having its opposite terminals pivoted respectively to the semaphore arm at one side of the pivot point thereof and to the free end of the other arm of said two armed lever.

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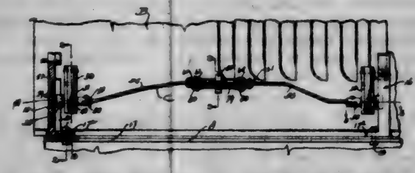
1,556,864. SECURING AND LATCHING MECHANISM FOR AUTOMOBILE HOOD LIDS. JAMES H. MANDENHALL, Nottingham, Pa. Filed June 13, 1924. Serial No. 719,854. 11 Claims. (Cl. 292—33.)



1. The combination with an automobile frame and a closure part of a hood, an elongated cam shaped track fixedly supported by the frame, and a resiliently supported member carried by the hood adapted to engage the track as the closure part of the hood is moving to closed position and ride therealong to urge the closure part snugly against said frame.

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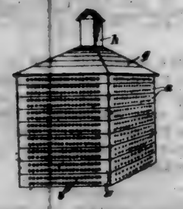
1,556,865. SUN-DRYING MEANS FOR VEGETABLE MATERIAL. BRUNO MÜLLER, Berlin-Neukolln, Germany. Filed Sept. 19, 1923. Serial No. 663,626. 8 Claims. (Cl. 34—41.)



2. Sun drying and curing apparatus, comprising a substantially closed metal casing adapted for the absorption of sun rays, a substantially roof-shaped hood forming the top of said casing, venting means in said hood, and lateral venting means in the sides of said casing opposite each layer of material, and means in said casing, adapted to support layers of material under treatment.

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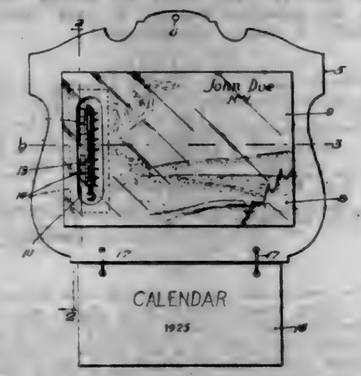
1,556,866. ADVERTISING NOVELTY. DANIEL G. MUELLER, Chicago, Ill., assignor to Mueller Brothers Art and Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 17, 1925. Serial No. 23,816. 1 Claim. (Cl. 73—52.)




An advertising novelty, comprising a plaque having an elongated, upright opening formed therein, a sheet of material secured to said plaque and having an elongated upright opening formed therein and coinciding with the opening in the plaque, said sheet having space for receiving printed matter, a transparent plate covering the front of said sheet and opening and a thermometer having a cardboard bulb supporting member secured to the back of said plaque and covering the back of said opening and having its bulb contained in the chamber between said transparent plate and cardboard back and defined by the edges of said openings.

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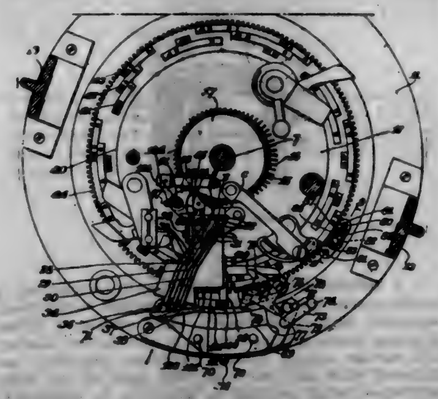
1,556,867. SELECTIVE-THREAD-FEEDING MECHANISM FOR CIRCULAR-KNITTING MACHINES. HARRY L. MUNS, Philadelphia, Pa., assignor to B. H. Rehbaum and F. M. Grauer, a Partnership trading as Resolute Knitting Mills, Philadelphia, Pa. Filed July 25, 1922. Serial No. 577,330. 33 Claims. (Cl. 66—12.)



1. In a circular knitting machine, the combination with a rotating cam cylinder, of three or more thread feeding members rotating with said cylinder, selecting mechanism moving concentrically with respect to the axis of said cam cylinder and automatically actuating any desired one of said members to feeding position, and pattern-controlled mechanism actuating said selecting mechanism at predetermined intervals.

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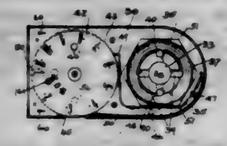
1,556,868. CONVERTIBLE ROLL-FILM CAMERA. JOHN C. MURRAY, Lakewood, Ohio, assignor to The Burdette-Murray Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 18, 1919. Serial No. 345,812. 8 Claims. (Cl. 93—31.)



1. In a device of the character described, the combination of a member adapted to be mounted upon the winding key of a camera, and means carried by said member and adapted to indicate automatically successive film exposure positions upon operation of said winding key.

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1,556,869. MOLDING CORE AND METHOD. THOMAS E. MURRAY, Brooklyn, N. Y. Filed Oct. 24, 1923. Serial No. 670,423. 17 Claims. (Cl. 25—128.)

1. The method of molding conduits which consists in setting in place an elastic tubular core of sufficient strength to support the external pressures of the molded material and of such a composition that when extended in one direction it will contract in a transverse direction and when released it will resume its original shape and holding said core in place by external means engaging the top of it, molding the material about said core while thus held in place and, when the molded material has sufficiently hardened, pulling the core longitudinally and thereby contracting it sufficiently to free it and to cause it to yield and to be withdrawn.

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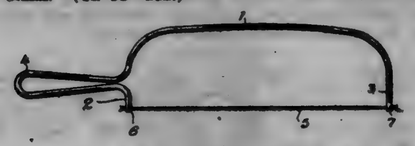
1,556,870. GRINDING BURR. HARRY B. NELSON, Saginaw, Mich. Filed May 29, 1922. Serial No. 564,484. 1 Claim. (Cl. 83—8.)

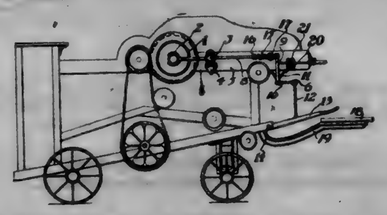
In a grinding disk, spirally disposed longitudinally interrupted ribs including channels therebetween, a plurality of series of baffles located in and extending diagonally across each of said channels, the individual baffles of each series spaced apart endwise from each other and positioned substantially radially with respect to the apex of said spiral channel as a center.

1,556,871. SAW BOW. HURON O. NICHOLS, Lowell, Ind. Filed Oct. 22, 1923. Serial No. 670,068. 1 Claim. (Cl. 84—282.)



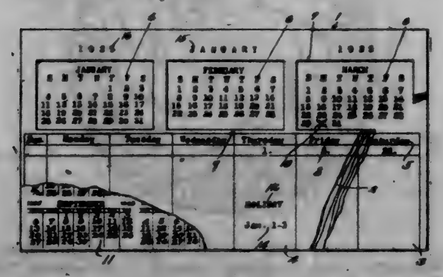
A bow for playing saws comprising a single integral piece of spring metal having approximately parallel end portions, one of said end portions having a loop handle formed therein, and horse hairs stretched across and secured in the ends of said parallel portions, said bow holding said hairs under tension.

1,556,872. SAFETY DEVICE FOR CORN SHREDDERS. THOMAS E. NICHOLSON, St. Paul, Minn. Filed Dec. 22, 1923. Serial No. 682,216. 1 Claim. (Cl. 192—129.)



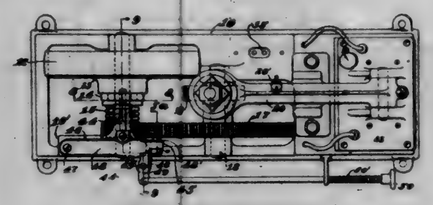
In a corn shredding mechanism, a frame, a rotary shredder mounted therein, a clutch operatively associated with the shredder, a bell crank lever pivotally connected to the frame having one arm thereof pivotally connected to the clutch, a link and lever means operatively connecting the other arm of the bell crank lever to the link and lever, a hand operated lever pivotally connected to the frame of the corn shredder, said hand operated lever having a normal position to resist operation of the bell crank lever, and a depressed position to permit operation of the bell crank lever, resilient means intermediate the hand operated lever and the frame to urge said lever to a normal position when depressed, said hand operated lever being positioned adjacent the means connecting an arm of the bell crank lever to the link and lever to be held in a depressed position upon actuation of the link and lever to operate the clutch.

1,556,873. PAD. WALTON ELBERT NICKLIN, Pryor, Okla. Filed Dec. 4, 1924. Serial No. 753,903. 1 Claim. (Cl. 283—4.)



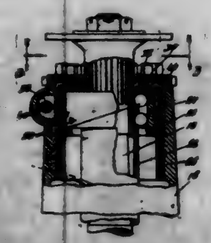
A pad comprising a lower leaf provided with a calendar including numerals designating the days of a month, and upper leaves superposed on the lower leaf, the upper leaves having registering openings disclosing the calendar, the upper leaves having appropriately designated spaces for memoranda, said spaces being marked with the days of the week and being marked with some of the numerals which designate the days of the month on the calendar.

1,556,874. CLUTCH MECHANISM. JOSEPH H. ORDWAY, Brookline, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Apr. 12, 1920, Serial No. 373,036. Divided and this application filed Jan. 25, 1923. Serial No. 615,447. 5 Claims. (Cl. 192—139.)



1. The combination with apparatus to be driven, having a rotating element which in an aliquot part of its complete revolution controls a complete cycle of operations of the apparatus, of a self closing clutch having a movable clutch member; actuating means on the element; and opening mechanism intervening between said actuating means and the clutch, comprising a pair of levers pivoted on a common axis, one of said levers being attached to the movable clutch member, and the second of said levers being engaged by said actuating means; a latch adapted to engage between the first and second levers, so that when the latch is engaged both said levers may be swung about the common axis to open the clutch; said actuating means being arranged to move said second lever in a direction to open the clutch, whereby the mechanism stops with the clutch held open; said latch being adapted to be dislodged manually thereby to disconnect the two levers.

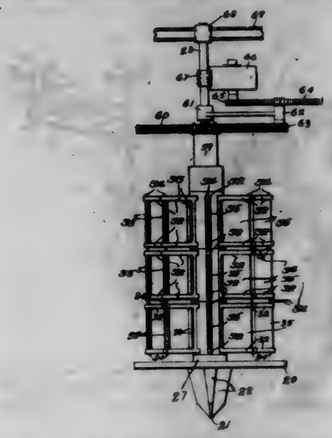
1,556,875. DIFFERENTIAL CARRIER. DONALD DAMON ORMSBY, Syracuse, N. Y., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Nov. 12, 1923. Serial No. 674,407. 9 Claims. (Cl. 74—99.)



1. A differential carrier comprising, in combination, a tubular carrier member having a cross-bore substantially tangential with respect to its inner surface, a pinion adjusting sleeve threaded inside of the tubular member, said tubular carrier having continuous peripheral engagement with said sleeve at both sides of the cross-bore, draw plugs arranged in said bore in engagement with the sleeve, and means for drawing said plugs toward one another to clamp the sleeve in adjusted position.



1,556,876. TIDE MOTOR. GEORGE ORTGIES, East St. Louis, Ill. Filed Nov. 20, 1922. Serial No. 602,104. 3 Claims. (Cl. 170—115.)

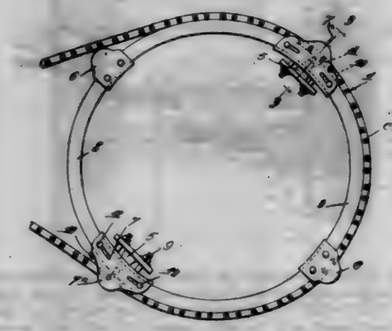


3. A tide motor comprising a circular plate, a centrally located substantially conical projection having vertical grooves formed integral with one face of said plate, a shaft rigidly secured in said plate and projection and extending outward from the face of the plate opposite the projection, a plurality of super-imposed interlocked cylindrical members rotatably mounted on said shaft, longitudinally extending ribs projecting from said cylindrical members, said ribs being of less length than said members and having their ends equidistant from the ends thereof, radially projecting arms formed integral with said members and at opposite ends of said ribs so as to be arranged in pairs, a shaft mounted in each pair of arms adjacent their ends, a paddle located between each pair of arms and secured at its outer edge to said shaft, said paddles adapted to swing free and unrestrained when moving against the current and to have their inner edges contact with the ribs when being operated on by the current, a gear carried by the uppermost cylindrical member, an arm carried by the rigid shaft, a shaft rotatably mounted in said arm, a pinion secured to said shaft and meshing with the gear carried by the cylindrical member, a gear carried by the rotatable shaft, a power transmitting device carried by the rigid shaft and adapted to be operated by the last mentioned gear, and a support for the upper end of the rigid shaft for steadying the same.

1,556,877. PRESSURE GAUGE. JOHN R. PADESKY, La Crosse, Wis., assignor to The National Gauge & Equipment Company, La Crosse, Wis., a Corporation of Wisconsin. Filed Apr. 28, 1924. Serial No. 709,408. 2 Claims. (Cl. 73—110.)

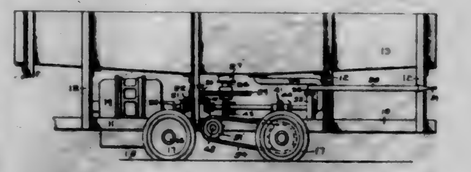
1. In a gauge, a pressure responsive element, a pivoted pointer, a crank arm connected with said pointer having an edge which lies in a horizontal plane when said pointer is in zero position, a pivoted finger operated by said pressure responsive element and having its free end cooperating with the horizontal edge of said crank arm, said finger being of a readily bendable metal to permit the same to be properly positioned with respect to said crank arm.

1,556,878. ADJUSTABLE SPROCKET WHEEL. GEORGE EDWARD PRITCHARD, Elizabeth City, N. C. Filed Feb. 9, 1924. Serial No. 691,841. 3 Claims. (Cl. 74—61.)



1. A sprocket wheel rim split transversely with the ends thereof beveled from the inner toward the outer face, and a wedge-shaped spreader located between said ends and insertbile from the inside and having means for adjusting it to vary the size of the wheel.

1,556,879. METHOD FOR DUSTING COAL MINES. WILLIAM J. REID, Wattis, Utah. Filed July 8, 1924. Serial No. 724,014. 2 Claims. (Cl. 169—2.)

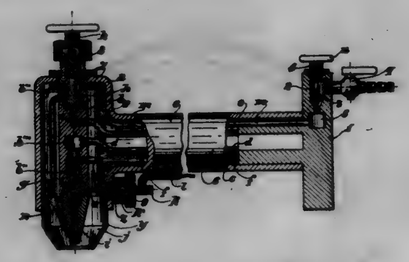


1. The method of protecting coal mines against coal dust explosions, comprising mixing a powdered argillaceous rock and water to produce a mud, and applying said mud to the walls of the mine, said mud being adapted to be reduced to an anhydrous state by evaporation of the water, and to thereupon yield dust to the currents of air passing through said mine.

1,556,880. OXYACETYLENE OR LIKE BLOWPIPE. EUGÈNE ROYER, Lyon, France, assignor to Societe Anonyme des Chalumeaux E. Royer, Lyon, France. Filed Sept. 18, 1923. Serial No. 663,400. 3 Claims. (Cl. 158—27.4.)

2. A multiple gas blow-pipe comprising a tubular member, a cylindrical head open at one end and closed at the other, integral with one of the ends of said member and arranged at right angles thereto, means for extending the length of said cylindrical head a disk at the other end of said member, a nozzle in said head, means for adjusting said nozzle axially of said head, a second nozzle adjacent thereto, means for conveying gases to

said nozzles, a third nozzle in said head, means for conveying gas thereto, means for producing an electric spark at the outlet of said third nozzle, a plurality of taps connected to said disk, a first pair of adjustable needle valves, an intermediate needle valve and a second pair of needle valves carried by said disk means connecting said first pair of adjustable needle valves to one of said taps, means connecting said second pair of



needle valves to another of said taps, means connecting said intermediate needle valve to another of said taps, pipes connecting the respective needle valves of said first mentioned pair to said concentric and said second nozzle, pipes connecting the respective needle valve of said second mentioned pair to said first nozzle and to said head, and a pipe connecting said intermediate needle valve to said head.

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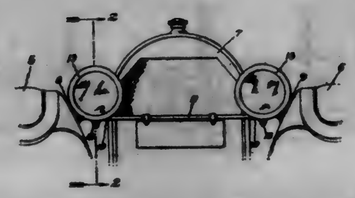
1,556,881. COMBINED LAMP-SUPPORTING AND FENDER-TIE-ROD MECHANISM. ERNEST W. SHAHOLM, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Nov. 21, 1921. Serial No. 516,794. 3 Claims. (Cl. 240—57.)



1. In combined lamp supporting and fender tie rod mechanism and in combination with two oppositely located fenders; two lamp supporting brackets carried one by each of said fenders, and having each a tubular portion; a tie rod extending between said brackets and the ends of which extend into the tubular portions thereof; two lamps supported by the tubular portions of said brackets; and two clamping devices associated one with each lamp and each of which is adapted by a single tightening operation to simultaneously secure said lamp to its supporting bracket, and said bracket and the adjacent end of said tie rod together.

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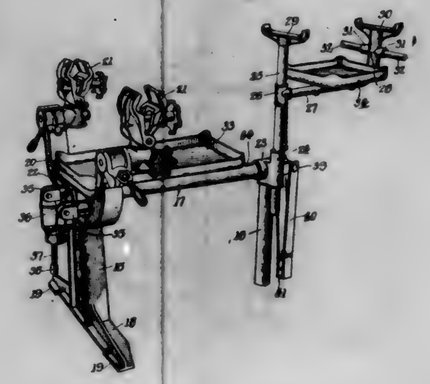
1,556,882. AXLE STAND. GAILARD E. WEAVER, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed May 16, 1925. Serial No. 30,684. 9 Claims. (Cl. 29—85.)

1. In a work stand of the character described, the combination with a frame including front and rear uprights and a tubular connecting member open at both ends, of a yoke hinged to one of said uprights, and a



screw mounted in said yoke and adapted to be swung by the latter into and out of a position in axial alinement with said tubular member.

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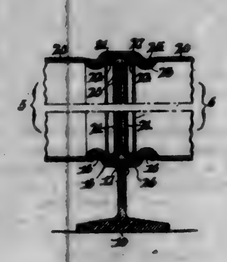
1,556,883. TANK-VEHICLE CONSTRUCTION. AUSTIN L. WERTZ, Philadelphia, Pa. Filed May 12, 1923. Serial No. 638,478. 7 Claims. (Cl. 280—5.)



1. A structure of the character described including a tank comprising component, interchangeable flangeless units arranged end to end, and a mounting frame affording transverse members each adapted to directly support the contiguous flangeless ends of a pair of adjacent tank units, the unit ends and the transverse members being complementarily ridged and recessed for interengagement to prevent displacement of the tank units relative to each other and to the mounting frame.

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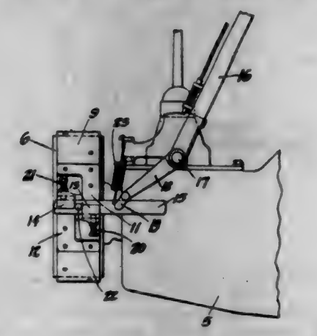
1,556,884. TRANSMISSION-BRAKE MECHANISM FOR MOTOR VEHICLES. CLARENCE J. WHITACRE, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Oct. 24, 1923. Serial No. 670,585. 2 Claims. (Cl. 188—18.)

1. In brake mechanism of the class described and in combination with a rotatable brake drum, a brake band surrounding said drum and the ends of which are reduced in width and extend past one another; a floating lever overlapping the ends aforesaid and operatively connected with each of them; a brake applying lever oper-





atively associated with said floating lever; and an abutment intermediate the ends of said brake band for preventing the same from rotating with said brake drum.

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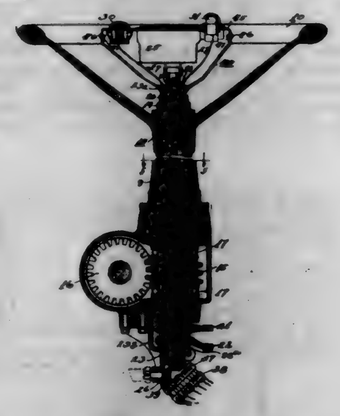
1,556,885. STEERING-GEAR CONTROL UNIT. JOHN WHYTE, Chicago, Ill., assignor to Whyte Mold Products Company, a Corporation of Illinois. Filed May 17, 1920. Serial No. 381,791. 5 Claims. (Cl. 180—78.)



1. A steering wheel control unit, comprising a hollow steering column, a steering wheel, a sleeve attached to the steering wheel and rotatably positioned inside said hollow column, a throttle lever and a spark lever each having a sleeve rotatably positioned within said steering wheel sleeve, a fixed sleeve within said throttle and spark lever sleeves, a casing containing switches and indicators, including a speedometer, positioned on said inner fixed sleeve and disposed within the periphery of said steering wheel, and a speedometer driving shaft and a plurality of wires leading from said casing within said inner fixed sleeve.

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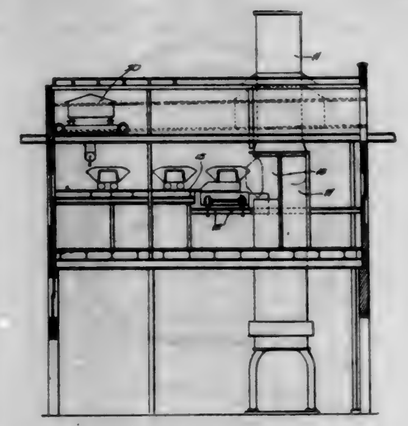
1,556,886. CHARGING MACHINE. ALCOT A. WICKLAND, Chicago, and FREDERICK K. VIAL, La Grange, Ill., assignors to Griffin Wheel Company, Chicago, Ill., a Corporation of Massachusetts. Filed Nov. 26, 1919. Serial No. 340,819. 15 Claims. (Cl. 214—18.)

1. In an apparatus adapted to charge cupolas, furnaces, or the like, the combination of a container for the charging material, a wheeled conveyer mounted beneath and supporting said container, and means including said conveyor for moving said container forwardly and backwardly and in sidewise direction for distributing the contents thereof while said contents are being discharged within the cupola, furnace, or the like.



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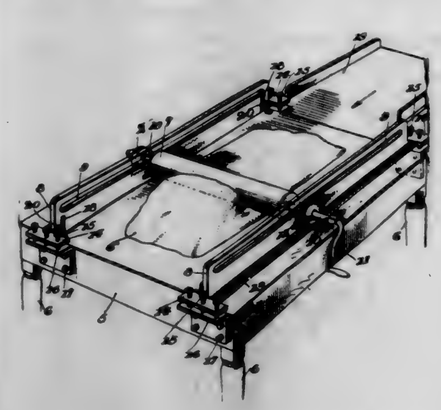
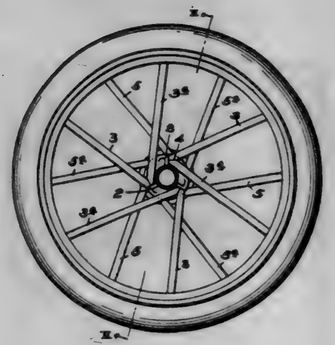
1,556,887. DOUGH-ROLLING MACHINE. MAY WINTERS, Burgoon, Ohio. Filed Aug. 30, 1924. Serial No. 735,137. 2 Claims. (Cl. 107—12.)



1. A machine of the character described comprising a base, spaced side pieces extending longitudinally of the base having longitudinal slots near the upper edge, a roller having a stub axle at each end extending through said slots of the side pieces, a rack bar secured to the outside of each side piece at the lower edge being disposed at right angles thereto, pinion gears mounted on the axles of said roller adapted to mesh with said rack bars, a crank for turning said roller and means for vertically adjusting said side pieces with respect to said base.

1,556,888. VEHICLE WHEEL. WARREN WORTHINGTON, Rushland, Pa. Filed Mar. 21, 1922. Serial No. 545,400. 4 Claims. (Cl. 301—74.)



2. A vehicle wheel comprising a hub, a felloe, and compression spokes arranged in two series extending toward each other from the ends of the hub, and the spokes of each series being arranged in pairs extending tangentially from and having their inner ends movably bearing upon the hub.

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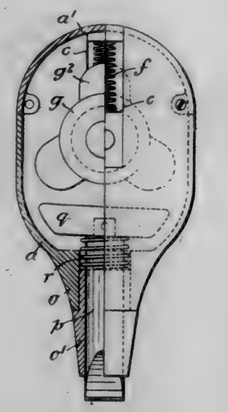
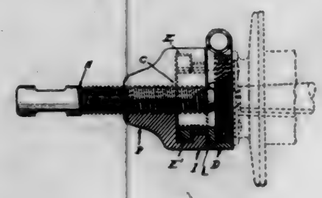
1,556,889. MEANS FOR CLEANING, SCALING, OR CHIPPING SURFACES. WILLIAM BRUCE WRIGHT, Liverpool, England. Filed Mar. 29, 1923. Serial No. 628,673. 1 Claim. (Cl. 78—38.)



Apparatus for cleaning, scaling or chipping surfaces comprising a casing, parallel guide ways in the sides of the casing, bearings mounted in the guide ways, cushioning springs arranged to act on the bearings, a rotary shaft mounted in the bearings, a rotary hammer mounted on the shaft and actuated thereby, and a reciprocating tool resiliently supported in the casing in the path of the hammer.

1,556,890. WHEEL PULLER FOR AUTOMOBILES. FRANK A. ZERBOLD, JAMES B. DUNCAN, and RUDOLPH F. FISHER, Bellefontaine, Ohio. Filed Jan. 8, 1923. Serial No. 611,487. 1 Claim. (Cl. 29—85.)



The combination in a device for removing automobile wheels, a carrying head comprising a chambered base having inturned arcuate flanges spaced apart and providing a channel in back of the same, a cap having an opening therethrough and having outwardly extending spaced flanges adapted to be passed between the arcuate flanges and into the channel and interlock with said arcuate flanges with a slight endwise free space between them, said cap having an interiorly threaded projection opposite the flanged portion and adapted to engage the threaded portion of the wheel hub, one of said outwardly extending flanges being provided with a stop lug to contact the flange on the base and limit the movement of the latter, and a thrust screw working through said head and cap and adapted to exert pressure on the wheel shaft.

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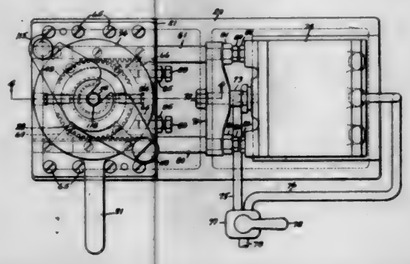
1,556,891. APPARATUS FOR MAKING ARMATURES. ROBERT H. AHLERS and EARL M. POLK, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 20, 1923. Serial No. 675,969. 14 Claims. (Cl. 153—39.)



1. Apparatus for manufacturing armatures comprising, in combination, means for holding a bar wound armature having bar conductors extending through the slots of the armature core, means for bending the conductor portions outside the armature core simultaneously, and means for limiting the abruptness of curvature of said conductors produced by bending.

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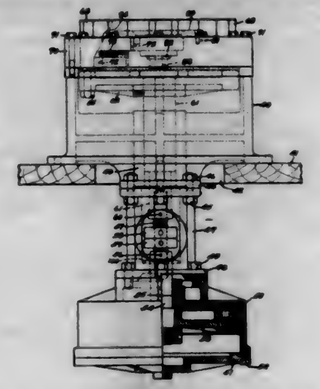
1,556,892. APPARATUS FOR MAKING ARMATURES. ROBERT H. AHLERS and EARL M. POLK, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 20, 1923. Serial No. 675,970. 6 Claims. (Cl. 29—84.)

1. Apparatus for making an armature including a commutator, the risers of which include spaced deformable portions defining notches for receiving armature conductors which includes in combination, means for holding the armature, a plurality of riser deforming members supported for movement toward the commutator,





and means for simultaneously causing said riser deforming members to engage the risers and force them into engagement with their respective conductors.

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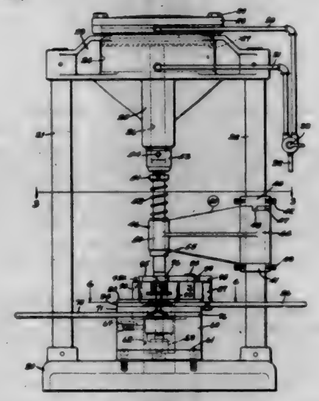
1,556,893. APPARATUS FOR MAKING ARMATURES. ROBERT H. AHLERS and EARL M. POLK, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 20, 1923. Serial No. 675,971. 8 Claims. (Cl. 29—84.)



1. Apparatus for manufacturing armatures having conductor leads extending from the core and received by notched risers of the commutator, comprising in combination, means for holding an armature core with conductor leads extending therefrom, means for locating said leads so that they may be received by the commutator risers, and means for moving a commutator endwise along the armature shaft so that the commutator risers will receive all of the conductor leads simultaneously.

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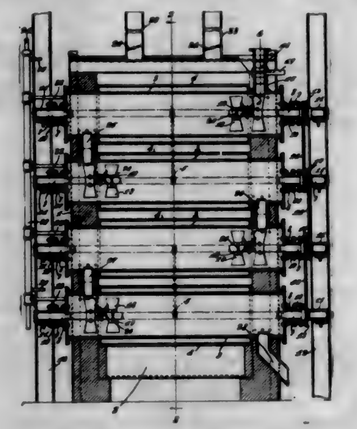
1,556,894. RETORT. WILLIAM H. ALCORN, Portsmouth, Ohio. Filed June 20, 1923. Serial No. 646,659. 1 Claim. (Cl. 202—14.)

In a retort the combination with masonry walls forming a furnace structure, of stationary superposed cylinders extending through opposed walls and across the interior of the retort, ports within opposed walls of the retort for maintaining communication between adjoining cylinders, the inlet and outlet of each cylinder being located adjacent the respective ends of the cylinder, said inlets and outlets being formed by the respective ports, steam jackets abutting against opposed walls of the retort and concentric with and completely surrounding the cylinders, a steam pipe connecting the jackets, propelling blades mounted for rotation within each of the



cylinders, means for simultaneously rotating the blades for forcing material in the cylinders from the inlet to the outlet ports, a fuel supporting grate in the lower portion of the retort below all of the steam jackets, a condensing header, a water jacket thereon, and pipes connecting the condenser with one end of each of the cylinders, all of the steam jackets being exposed to heat generated within the retort.

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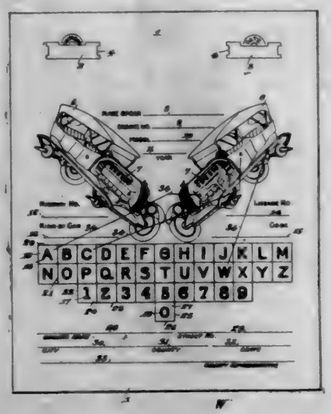
1,556,895. IDENTIFICATION CERTIFICATE FOR MOTOR VEHICLES. WILLIAM C. AYERS, Arlington, Tex., assignor of one-fourth to Isaac B. Cantrell and eight one-hundredths to Tom L. Randolph, both of Dallas, Tex. Filed June 6, 1923. Serial No. 643,813. 2 Claims. (Cl. 283—7.)




1. An identification certificate for motor vehicles comprising a body portion, means thereon to provide a code of selective identifying indicia, means on said body portion to constitute the pictorial representation of a

motor vehicle with the engine exposed for recording thereon indicia selected from said code at points corresponding to the points of a motor vehicle upon which have been applied like identifying indicia selected from said code, and said body portion further provided with conventionally designated means for the recording of the regular designations carried by a motor vehicle and further for the reception of the vehicle owner's name and his address.

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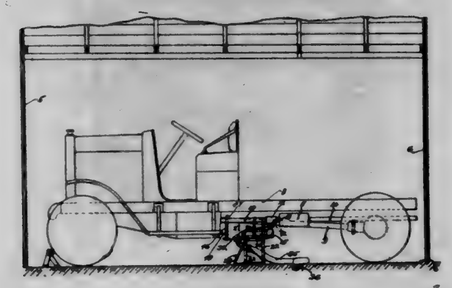
1,556,896. APPARATUS FOR CONVEYING THE EXHAUST GASES OF AN INTERNAL-COMBUSTION ENGINE FROM A GARAGE. FRANK S. BALATTA, St. Paul, Minn. Filed Apr. 16, 1925. Serial No. 23,549. 14 Claims. (Cl. 104—52.)



5. The combination with a garage and an exhaust conduit leading therefrom and having a yieldingly held intake head, of a vehicle having an internal combustion engine, and a cut-out in the exhaust pipe of said engine and having an exhaust nozzle arranged to automatically connect with said intake head by a movement of the vehicle in the garage.

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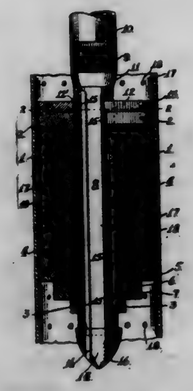
1,556,897. PERFORATION CLEANER FOR OIL-WELL CASINGS. REUBEN H. BARR and TOBE J. PIERCE, Taft, Calif. Filed Apr. 14, 1925. Serial No. 23,083. 8 Claims. (Cl. 166—20.)



8. A cleaner for well-casing perforations comprising a longitudinally apertured body member having a top flange; packing rings carried by said body member; a cap ring carried upon the top flange of said body member and having a laterally directed port opening at its periphery; a valve member slidably fitted through said body member, having means at its top for a suspending connection and a nut at its foot for suspending said body member, and having also a passage communicating below and above said body member with the casing interior and also communicating with the laterally directed port in the cap ring; and a head upon said valve member adapted to seat itself in and unseat itself from the cap ring, to control the communication of the valve member passage with the casing interior above said body member.

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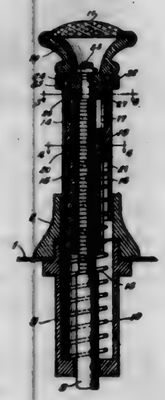
1,556,898. SIRUP PUMP. CHARLES L. BASTIAN and CARL G. JOHNSON, Chicago, Ill., assignors to The Bastian-Blessing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 2, 1925. Serial No. 18. 4 Claims. (Cl. 225—35.)



1. A pump comprising a plunger having a stem, a sleeve threaded on one end thereof, a second sleeve surrounding said threaded sleeve and rotatable therewith but capable of longitudinal movement relative thereto, means engaging said second sleeve and resiliently urging it longitudinally of said plunger stem, and means secured to said stem and engaging said sleeve to prevent said longitudinal movement.

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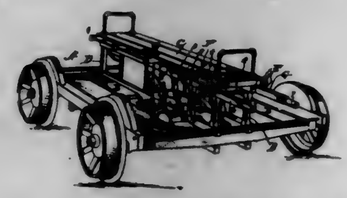
1,556,899. COMBINED GRAIN-DRILL TOOTH AND HOE. ELVA L. BELL, Wenatchee, Wash. Filed Dec. 29, 1922. Serial No. 609,742. 3 Claims. (Cl. 111—84.)

1. In a grain drill, a trailing dragbar, a drill tooth unit supported at the lower end of the drag bar and comprising a furrow opener and a grain guide, and a hoe carried by said drag bar and operating at one side of said furrow opener, said hoe including a portion bent to provide a cutting edge lying in substantially the horizontal plane tangential to the periphery of the furrow opener and in advance of the open end of said grain guide.



1,556,900. MOTOR CAR. CLYDE P. BENNING, Oak Park, Ill., assignor to Mudge & Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 24, 1925. Serial No. 11,004. 10 Claims. (Cl. 105—162.)



2. In a motor car of the class described, a raised seat frame including longitudinally arranged side bars and a plurality of cross bars, a handle bar member movably positioned at the side of each side bar capable of longitudinal movement relative thereto and, when extended, of lateral movement also, and means for limiting the spread apart lateral movement of the handle bar members.

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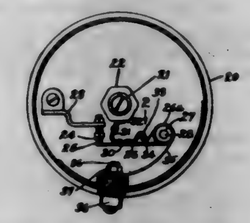
1,556,901. IGNITION DEVICE. CHARLES EDWARD BERKDOLL, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed July 8, 1921. Serial No. 483,330. 5 Claims. (Cl. 200—30.)



4. In a breaker arm for periodic circuit breakers, the combination with an apertured hub; of a strip of material having one end bent around said hub; a contact mounted adjacent the other end of said strip; and a member secured to said strip and carrying a cam rubbing block at one end and having a hook portion at the other end adapted to be engaged by the hooked end of a leaf spring.

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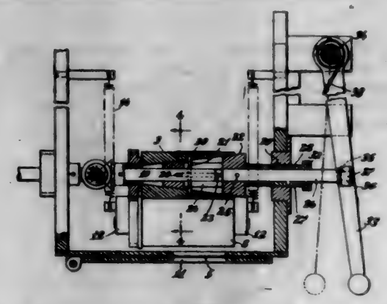
1,556,902. COMBINED RAIN AND WIND SHIELD FOR AUTOMOBILES. ALFRED S. BEVILLE and ADELAIDE F. SCHRODER, Jacksonville, Fla. Filed Dec. 19, 1924. Serial No. 756,961. 2 Claims. (Cl. 296—95.)

1. A device of the class described comprising a plate having an upstanding flange at its rear edge for connection with the bow of an automobile top frame and having its front end upturned, said member having side and front flanges to form a gutter-like structure for receiving the rain water, and discharge spouts leading from opposite ends of said structure, a combined rain and wind shield hinged to the lower face of said gutter-like structure, supporting plates carried by said structure near the ends thereof, and means for adjustably mounting said auxiliary shield in relation to said plates.

1,556,903. MOVING-PICTURE MACHINE. GEORGE W. BINGHAM, New York, N. Y. Filed Sept. 6, 1924. Serial No. 736,205. 18 Claims. (Cl. 88—17.)



1. In moving picture apparatus, film advancing mechanism including means regulatable to vary the film feed while the machine is in operation, a registering device for effecting a fine adjustment of said means for registering purposes, an independently operable framing device for effecting coarser adjustments of said means for framing purposes and restoring means for automatically effecting return of the regulatable means to previously registered condition after each actuation of the framing device.

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1,556,904. AUTOMATIC CALLING DEVICE. JOHN G. BLESSING, Oak Forest, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 22, 1921, Serial No. 494,281. Renewed Mar. 20, 1925. 14 Claims. (Cl. 179—90.)

1. In an impulse sending device, a mounting plate having a spring and roller device attached thereto, a finger hold dial having a shoulder affixed thereto, a gear driven cam, a source of power for driving said cam and dial, to move said shoulder over said spring and roller device to shift said cam from a non-impulse sending position to an impulse sending position, and for returning the same to a non-impulse sending position each time the finger hold dial is operated.

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1,556,905. AUTOMATIC CALLING DEVICE. JOHN G. BLESSING, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 18, 1921. Serial No. 508,478. 22 Claims. (Cl. 179—90.)

1. In an impulse sending device, a spring for driving said device, a rotatable finger hold dial having a keyed shoulder thereon, a combined driving gear and spring

cup for holding said spring, said cup so machined and keyed as to tightly fit over said shoulder making said finger hold dial and gear and spring cup as a unit.

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1,556,906. AUTOMATIC CALLING DEVICE. JOHN G. BLESSING, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 22, 1921. Serial No. 509,488. 19 Claims. (Cl. 179—90.)

1. In an impulse sending device, springs, a unit comprising a finger hold dial, a spring cup and a main driving gear, a second unit comprising, a shaft, a cam, a worm wheel and a worm carrying a clutch surface, said first unit manually operable in one direction to operate the worm of the second unit independent of any movement of said shaft and worm wheel, and means for operating said first unit thereafter in the opposite direction to make said clutch effective to cause said second unit to operate said springs.

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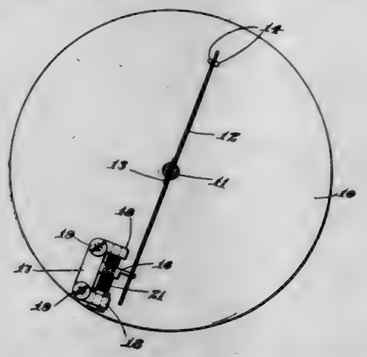
1,556,907. SPRING REGULATOR. FREDERICK W. BOLD, Chelsea, Mass., assignor to Charles H. Pearson, Brookline, Mass. Filed Jan. 2, 1925. Serial No. 286. 2 Claims. (Cl. 102—36.)



1. An improved regulating device for timing trains and the like, comprising a bridge, lateral extensions formed integral therewith and at each end thereof, an adjusting screw rotatably mounted in said extension, a saddle associated with said screw and movable longitudinally thereof by the rotation of the screw, and a spring, said saddle being slidably engaging with said spring.

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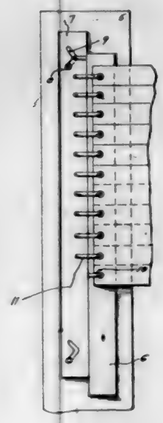
1,556,908. BINDER FOR CARDS AND THE LIKE. CHARLES A. BRIGGS, Chino, Calif. Filed May 26, 1925. Serial No. 33,010. 3 Claims. (Cl. 129—9.)

1. In a temporary binder two plates arranged one adjacent to the other and each provided with a plurality of prongs, said prongs being arranged in adjacent spaced relation on said plates and normally registering, one of said plates being adapted to move longitudinally and laterally outward with respect to the other of said plates to provide a lateral separation of the prongs and then move longitudinally in the same direction and laterally



inward to register the prongs thereof with successively disposed prongs on the other plate, said plates being provided with means for guiding the movable plate in its movements.

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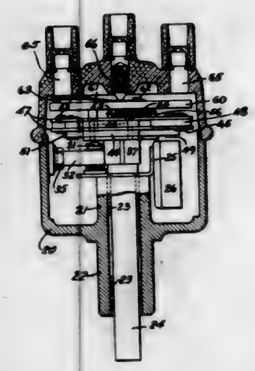
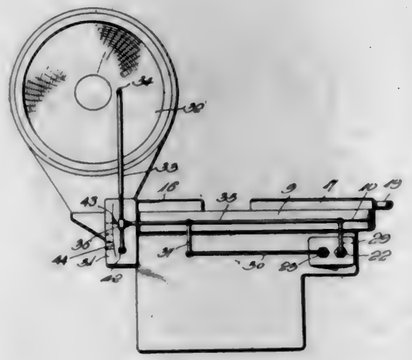
1,556,909. IGNITION SYSTEM. ALBERT M. BURGHER, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed June 30, 1921. Serial No. 481,655. 12 Claims. (Cl. 200—31.)



3. In an ignition timer, the combination with a distributor including a rotor; of a drive shaft; a speed responsive adjusting device located below the rotor and including a plate attached to the drive shaft, a weight member pivotally mounted upon said plate; a second plate supporting said rotor suspended from the weight member and shifted angularly relative to the drive shaft by the weight member.



1,556,910. ORIFICE OR SIMILAR GAS METER. THOMAS D. CABOT, Boston, Mass. Filed June 21, 1923. Serial No. 646,913. 4 Claims. (Cl. 73—167.)



1. In a meter of the class described, the combination of a graduated clock-operated chart, an arm pivoted at one end and carrying a marking element at its other end to mark upon said chart, a differential pressure responsive mechanism movable proportionately to the differential pressure of the gas in a pipe line, a static pressure responsive mechanism movable proportionately to the static pressure of the gas in the pipe line, a link pivoted at one end to said differential mechanism and connected intermediate of its ends to the other mechanism, whereby it is moved longitudinally by one mechanism and swung transversely by the other mechanism, and a slidable and pivotal connection between the other end of said link and said arm, whereby the latter is swung so as to cause said marking element to move over said chart proportionately to the product of the differential and static pressures.

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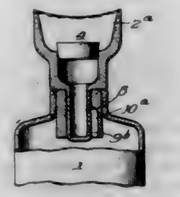
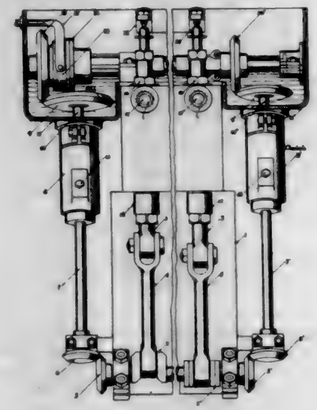
1,556,911. MEASURING STOPPER FOR BOTTLES. WALLACE V. CALLENDER, Chicago, Ill. Filed May 6, 1921. Serial No. 467,292. 1 Claim. (Cl. 215—57.)



In a bottle stopper having a chamber for measuring a portion of the contents of the bottle, and having a ported stem adapted by rotation in the bottle to bring the chamber into and out of communication with the bottle, a removable closure for the discharge end of the chamber, and a cup formed upon the wall of the chamber and projecting beyond said closure.

1,556,912. OIL PUMP. JOHN E. CANOOSE, Brooklyn, N. Y. Filed June 30, 1924. Serial No. 723,374. 22 Claims. (Cl. 103—40.)



1. In a fuel feed pump of the character described, in combination, a suction valve through which fuel oil is adapted to be passed and a rotating means adapted to vary the point of closing of said suction valve without affecting the amount of lift thereof.

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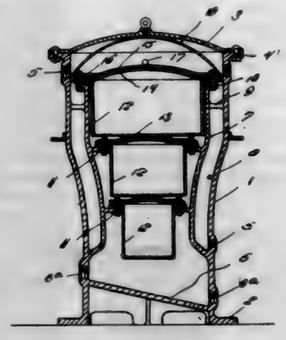
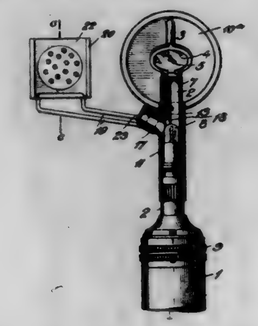
1,556,913. WATER FILTER. ANGELO MARIO CAPRA, Philadelphia, Pa., assignor to Fedele De Palma, Philadelphia, Penn. Filed Sept. 8, 1924. Serial No. 735,619. 2 Claims. (Cl. 210—149.)



1. In a filtering device of the class described, a basket for containing filtering material, said basket being provided at its bottom with a screen and at its top with a lateral supporting flange, a handle hingedly connected to said flange, an apertured cover resting upon said flange, filtering fabrics stretched across said cover and closing the apertures therein, and clamping means for said fabric and cover.

1,556,914. RETINOSCOPE. HANS CLEMENT, New York, and ELMER LE ROY RYER, Hawthorne, N. Y., assignors to General Optical Company, Inc., a Corporation of New York. Filed Feb. 15, 1922. Serial No. 536,784. 17 Claims. (Cl. 88—20.)



1. In a diagnostic instrument, a support, a retinoscope mounted on said support, and a chart holder pivotally mounted on said support for movement about a vertical axis whereby the holder may be moved through a horizontal path into or out of an operative position at one side of the retinoscope.

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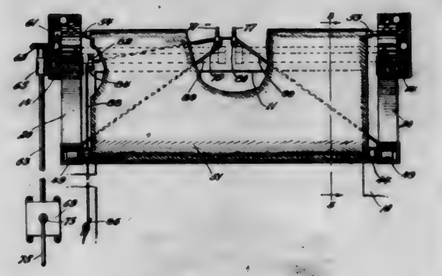
1,556,915. AWNING. ARTHUR P. COOLEY, Westerly, R. I. Filed Dec. 3, 1924. Serial No. 753,599. 3 Claims. (Cl. 156—44.)



1. In an awning, attaching plates, downwardly inclined supporting arms comprising sections attached to the plates and sections pivotally connected with the attached sections, both the attached sections and the connected sections being provided with longitudinal guide slots registering with each other, a roll supported by the plates, an eave rod resting in the slots in the connected sections, an awning cover upon the roll attached to the rod, means for rotating the roll to elevate the cover, and means for laterally swinging the attached sections.

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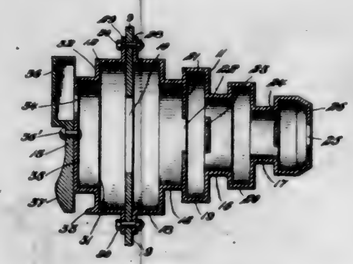
1,556,916. APPARATUS FOR PROMOTING FUEL COMBUSTION. JAMES W. CRAIG, Providence, R. I. Original application filed Dec. 21, 1922, Serial No. 608,225. Divided and this application filed May 2, 1924. Serial No. 710,552. 8 Claims. (Cl. 110—175.)

1. An apparatus for promoting fuel combustion which comprises, a combustion chamber, a preheater projecting within said combustion chamber for admitting air thereto, an air inlet mechanism for admitting unpreheated air directly to said preheater comprising a plate provided with a series of openings of varying size and having indicia located thereon correspondingly positioned relative to the several openings, and a movable shutter overlying said openings and serving as a closure therefor said shutter being provided upon the side adjacent to said openings with a segmental recess forming an air



passage for selectively placing each of said openings separately in communication with a supply of unpreheated air and having means for designating the indicia corresponding with the opening thus placed in communication with the air supply.

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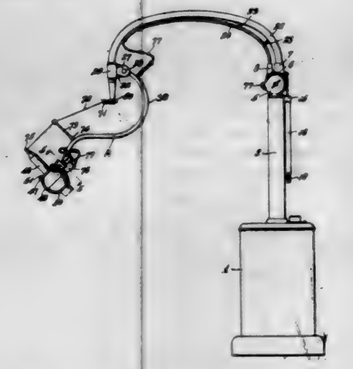
1,556,917. ELECTRICAL APPARATUS. WILLIAM C. DEE, Cleveland, Ohio, assignor to The Engeln Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 19, 1918. Serial No. 254,780. 12 Claims. (Cl. 250—344.)



1. Apparatus for use in dental radiography comprising a support, a main drum pivoted thereto on a horizontal axis and having a bearing portion at its outer end, the longitudinal axis of which by tilting movement of said arm may be adjusted to various positions inclined to the vertical, a second arm rotatable around the axis of said bearing portion and having a manipulating portion crossing said axis, and an X-ray tube supporting frame carried by said arm, and electric connections therefor.

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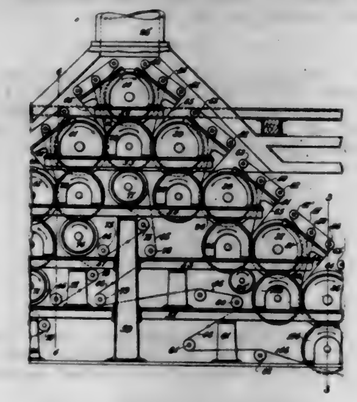
1,556,918. PAPER-DRYING MACHINE. HAROLD F. DUNBAR, Turners Falls, Mass. Filed Dec. 24, 1924. Serial No. 757,917. 12 Claims. (Cl. 34—48.)

9. In a paper drying machine, in combination, a supporting frame, a series of drier rolls, rotatably supported on the frame in pyramid formation, means for successively directing the web of paper about the series



of drier rolls, the construction and arrangement being such that the drier roll at the apex of the formation serves the purpose of causing the same surface of the



web of paper to engage all of the drier rolls, a sizing tank and means for cutting and stocking the finished paper.

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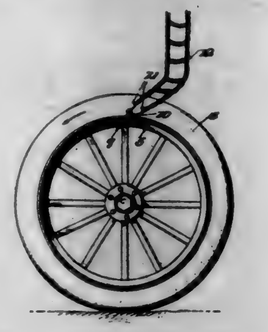
1,556,919. ATTACHING DEVICE FOR TIRE CHAINS. GEORGE H. DUKE, Chicago, Ill. Filed Apr. 24, 1924. Serial No. 708,808. 2 Claims. (Cl. 152—14.)



1. A chain attaching device comprising a bowed body having its end portions looped to form combined eyes and tire engaging knobs adapted to bear against opposite sides of a tire to hold the ends of the body in position, and combined handles and hooks having pivotal connection with said eyes.

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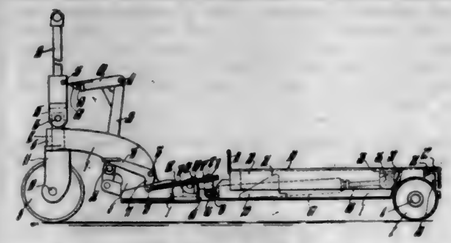
1,556,920. ELEVATING TRUCK. FRANK L. EIDMANN, North Bergen, N. J., assignor to J. Lewis Wyckoff, Edward N. White, and James M. Eaton, all of Holyoke, Mass., trustees, doing business as Cowan Truck Company. Filed Feb. 18, 1921. Serial No. 445,924. 13 Claims. (Cl. 254—5.)

1. In an elevating truck in combination, a wheel supported base and a frame adapted to be elevated with respect to said base, pawl and ratchet mechanism for effecting the elevation of said frame comprising actuating and holding pawls, means for causing said actuating and holding pawls to become inoperative when the frame is fully elevated, a toggle lock between said base and said frame to hold the latter in elevated position when fully raised, and a loose play connection between said toggle lock, said base and said frame to permit an



overthrow of said actuating pawl with respect to said holding pawl after said toggle fully reaches its locking position.

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1,556,921. EXTENSION ATTACHMENT FOR AUTOMOBILE PEDALS. EDWIN O. EMERSON, Gananoque, Canada. Filed Mar. 10, 1925. Serial No. 14,577. 3 Claims. (Cl. 74—81.)

1. The combination with a pedal of the class described, of an extension therefor comprising a base shaped to fit the face of the pedal-tread, a pair of clamping arms arranged to secure an end of said base to the aforesaid tread, a plate, means for clamping said plate to the tread in the proximity of the other end of said base, members rigidly depending from the said base for abutment with the marginal edges of the said tread, and a tread mounted upon the base adjustable in the plane of the pedal.

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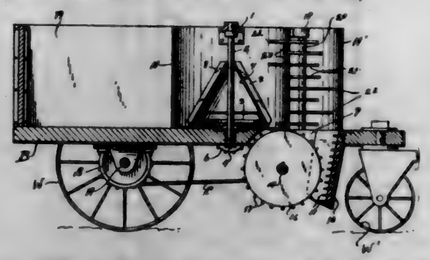
1,556,922. FERTILIZER DISTRIBUTOR. GEORGE DAVID FENTIMAN, Stillwater, Okla. Filed Mar. 8, 1924. Serial No. 697,923. 1 Claim. (Cl. 275—2.)



A fertilizer distributor comprising, in combination, a portable body, a hopper mounted thereon, a supplemental hopper, an opening in the wall of the first named hopper affording communication with the supplemental hopper, vertically spaced tearing members mounted in

the supplemental hopper and extending through the opening into the first named hopper, means for rotating said members, a discharge chute in communication with the supplemental hopper, and transversely disposed arms supported by the first named hopper and extending partially across the opening between the two hoppers, each of said arms being disposed between adjacent tearing members.

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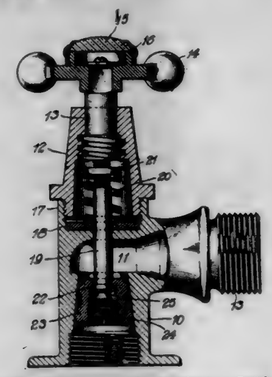
1,556,923. FAUCET. JOHN FLORENCE, Indianapolis, Ind. Filed Jan. 28, 1924. Serial No. 689,179. 2 Claims. (Cl. 251—27.)



2. A faucet comprising a body having a fluid passage, an opening in alignment with said passage, a valve stem extending through said opening closely fitting the wall of the same and projecting into said passage, a valve mounted on the inner end of said valve stem adapted to contact with the sides of said passage, said valve having a periphery with upper and lower convex surfaces joined by a concave surface, an abutment adjustably carried on the outer end of said valve stem, a spring confined between said abutment and said faucet body, a cap enclosing the end of said stem, and an operating element adjustably carried by said cap, substantially as set forth.

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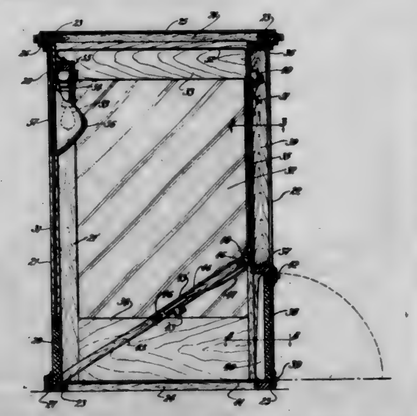
1,556,924. CRACKER CASE. JOHN B. FRANKE, Fort Wayne, Ind., assignor to Perfection Biscuit Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Jan. 26, 1924. Serial No. 688,874. 6 Claims. (Cl. 34—21.)



1. A cracker case, comprising a display holder having a door near the bottom thereof for removal of the crackers, a heater disposed within the holder adjacent said door, and a mounting for said heater extending diagonally across the lower part of the holder when positioned therein and having an open section permitting the crackers to pass therethrough into position to be scooped up from said door.

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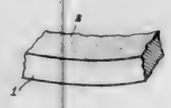
1,556,925. METALLIC MOLD FOR FORMING GLASS ARTICLES AND METHOD OF MAKING SAME. FRED JAMES FRINK, Lancaster, Ohio, and ROBERT LEONARDSON FRINK, London, England. Filed Mar. 31, 1922. Serial No. 548,323. 6 Claims. (Cl. 49—65.)



1. A mold for forming articles from molten glass, said mold being made of a metallic alloy and having its inner surface of a vascular or finely pitted character.

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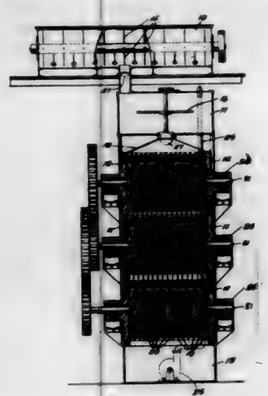
1,556,926. HYDRATING BEATING AND REFINING MACHINE. EDWARD BENTON FRITZ, Chicago, Ill. Filed Nov. 20, 1924. Serial No. 751,051. 12 Claims. (Cl. 92—20.)



3. In a device of the character described, a plurality of substantially vertically aligned chambers, substantially vertically aligned rotary beaters in said chambers, said chambers having curved wall portions with inwardly tapering disc segments lying closely adjacent the surfaces of said beaters, said beaters consisting of a plurality of discs assembled on a shaft with surfaces lying closely adjacent the surfaces of said disc segments, and means for feeding material to the uppermost of said chambers, whereby said material is fed by gravity from each beater chamber to the adjoining lower beater chamber, said beaters and wall discs cooperating to beat, hydrate and refine the same into a uniform hydrated mass as it travels through said machine.

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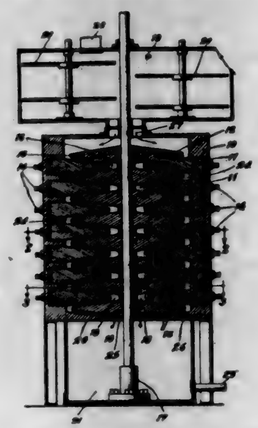
1,556,927. HYDRATING BEATING AND REFINING MACHINE. EDWARD B. FRITZ, Chicago, Ill. Filed Nov. 20, 1924. Serial No. 751,052. 8 Claims. (Cl. 92—20.)

1. In a machine of the character described a vertical chamber having an inlet at the top thereof and an outlet at the bottom, the inner walls of said chamber being



circumferentially channelled, and having disposed in said channels disc portions, a centrally located rotor consisting of a vertical shaft having thereon a plurality of discs the surfaces of said discs lying closely adjacent the surfaces of the wall discs, and means for feeding



material to the upper portion of the chamber, whereby said material is fed by gravity to each lower area while being thrown outwardly and inwardly the revolving discs cooperating with the stationary discs to hydrate, disintegrate and refine the fibrous material as it travels through said machine.

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1,556,928. GOLF CLUB. FRED E. GANDERS, Walla Walla, Wash. Filed Apr. 6, 1925. Serial No. 21,235. 2 Claims. (Cl. 273—79.)

1. In a golf club, a head, said head being provided with an extended bearing portion, and containing an aperture through said head and bearing portion to form an elongated bearing therein, a toothed recess formed in said head and providing a continuation of said bearing, a blade provided with a toothed element and an elongated shank, said toothed element and shank being slidably registerable with said bearing and continuation thereof, and rotatable in said bearing when the toothed element is withdrawn from register with the toothed recess, a stop attached to said shank, and a yielding means operably mounted on said bearing portion between said head and said stop.

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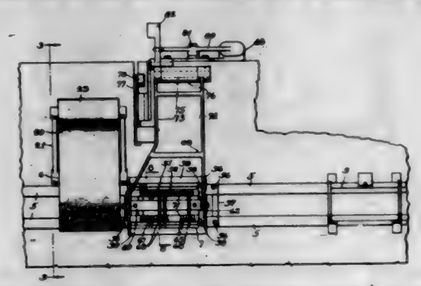
1,556,929. SELECTOR MECHANISM FOR ADDRESSING MACHINES. PAUL A. GOLLNICK and JOHN J. TOOLAN, Chicago, Ill., assignors to Spiegel, May, Stern Co., Chicago, Ill., a Corporation of Illinois. Filed June 5, 1924. Serial No. 718,087. 17 Claims. (Cl. 101—47.)

1. In a device of the class described, the combination with an electric circuit, of a selector mechanism comprising a carriage, an axially movable pin on said carriage, a guideway for stencils arranged adjacent one end of said pin, a terminal in said circuit located in spaced relation to said guideway, and a contact element on the other end of said pin and adapted to be shifted into and



out of contact with said terminal for controlling the circuit, said pin and terminal being located entirely on one side of said guideway.

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1,556,930. ELECTRICAL HEATER. HANS GRAU, Zurich, Switzerland. Filed July 15, 1924. Serial No. 726,129. 1 Claim. (Cl. 219—37.)

In an electric heater, a non-conducting body having closely arranged groove sections therein, an electrical resistance wire of larger diameter than the width of the groove, said wire having their lower arcs engaged in the groove sufficiently to space the adjacent sections of the wire and thereby leaving the major portions of the wire exposed, an insulating plate covering the wire, and a heating plate overlying the insulating plate and having marginal flanges embracing the non-conducting body and securing the several parts in position.

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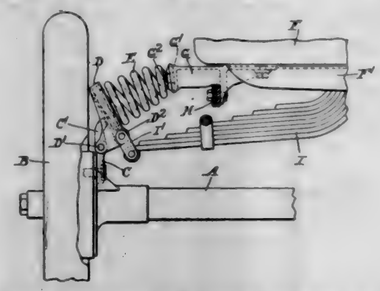
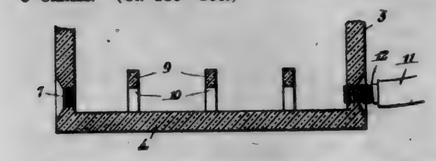
1,556,931. VEHICLE SUSPENSION. LEWIS P. HALLADAY, Decatur, Ill. Filed July 5, 1923. Serial No 649,404. 1 Claim. (Cl. 267—17.)



A spring suspension for a vehicle including an axle, a spring to take the vertical movements of the body, supports rising from the axle, bent levers pivoted to said supports, connections between the ends of the transverse springs and the levers, coil springs located between the levers and the body of the vehicle arranged to resist sidewise movements of the latter, spring seats for the upper ends of the coil springs connected with the body, spring seats for the lower ends of the coil springs, normal to the axes thereof, carried by the bent levers and located outside of and above the pivoted axes of the levers, whereby any rocking of a lever due to movement of the transverse spring tends to change the length of its coil spring in the direction of the axis of the latter and practically without lateral distortion thereof.

1,556,932. BATTERY CELL. EARL A. HARRIS, Scranton, Pa. Filed Oct. 2, 1924. Serial No. 741,168. 5 Claims. (Cl. 136—166.)



1. A battery cell having openings at the sides thereof alined with each other and disposed substantially at the floor of the cell.

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1,556,933. WEIGHING SCALE. HALVOR O. HOM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 3, 1923. Serial No. 678,081. 8 Claims. (Cl. 265—62.)

1. In a device of the class described, in combination, a weighing scale pendulum having a weight, a member fixed thereto, a fulcrum sector formed on said member, and a second member mounted for slidable adjustment on the first said member and having a face curved eccentrically with relation to the face of the fulcrum sector to form a power sector.

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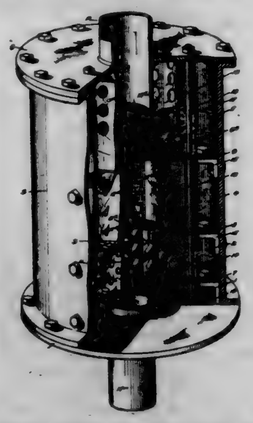
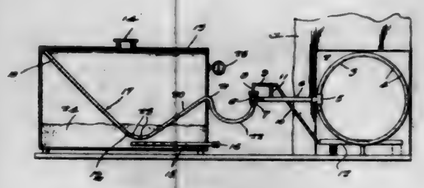
1,556,934. MUFFLER OR SILENCER. AXEL A. HILLDRING, San Francisco, Calif. Filed Feb. 20, 1922. Serial No. 537,699. 7 Claims. (Cl. 137—160.)



1. An exhaust muffler having a series of inner axially arranged chambers and a series of outer chambers providing for a zig-zag flow between the inner and outer chambers, and means in certain of the chambers for producing a circular flow of the gases.

1,556,935. VERMIN EXTERMINATOR. GLENN A. HIXSON, Shawnee, Okla. Filed Feb. 20, 1925. Serial No. 10,553. 2 Claims. (Cl. 119—159.)



1. A vermin exterminator embodying an insecticide containing tank, an apertured air supply pipe extending in said tank, a conducting pipe extending into said tank, said conducting pipe having its intake located adjacent one end and the top of said tank, the intermediate portion of the conducting pipe being bent downwardly and disposed in close relation to the bottom of the tank and formed with intake apertures, and a valved controlling device for said conducting pipe.

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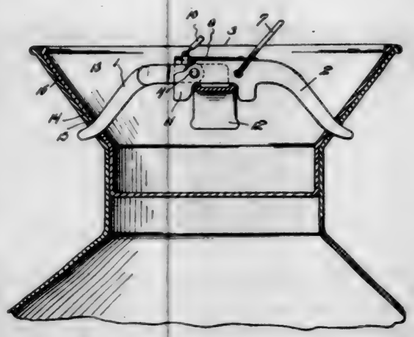
1,556,936. CREAM-CAN LOCK. JOHN P. JARMAN, Sioux City, Iowa. Filed June 17, 1924. Serial No. 720,622. 2 Claims. (Cl. 220—55.)



1. A can locking device including a pair of members, one of said members having at one end a recess for receiving one end of the other member, a pivot pin passing through the side walls of the recess and through the end of said other member disposed in the recess, and a leaf spring fixed at one end to the member having the recess and extending over the recess.

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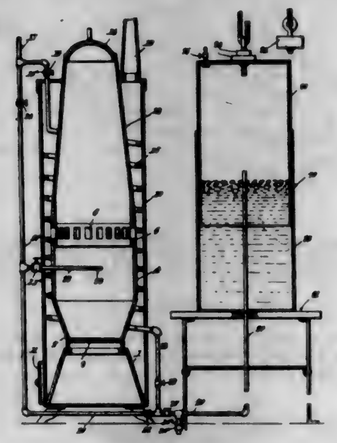
1,556,937. STOVE. WILLIAM JOHNSTON, Bowesmont, N. Dak. Filed Dec. 16, 1924. Serial No. 756,250. 3 Claims. (Cl. 126—77.)

1. A stove of the class described including a fire box having a magazine arranged thereover, a casing surrounding the stove from a point near its top to its bottom, said casing being closed at both ends, a coiled pipe within said casing surrounding the magazine and fire box of the stove, the upper end of the pipe extending through the top of the casing and equipped outside said casing with a cut off valve, an air supply pipe connected with said pipe beyond said valve, the lower end of said



last mentioned pipe having a branch extending through the casing into the fire box and equipped with a cut off valve located outside said casing.

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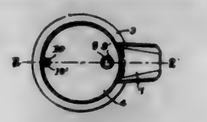
1,556,938. CLOSURE FOR LIQUID CONTAINERS. JOHN A. JONES, New York, N. Y. Filed Nov. 17, 1923. Serial No. 675,318. 10 Claims. (Cl. 221—20.)



1. In combination with a container having an opening, a member closing said opening and adapted to be perforated to form a pouring opening, a pouring element, and positioning means for said pouring element to force said element into sealing contact with said member in either pouring or closed position.

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1,556,939. STEERING WHEEL. JULIAN B. LA PIERRE, Chicago, Ill. Filed June 12, 1925. Serial No. 36,657. 10 Claims. (Cl. 74—33.)

1. In a steering wheel, a spider comprising a pair of intersecting arms mortised together and arranged to form a housing between them at the intersection, and a metal hub embedded in said housing.

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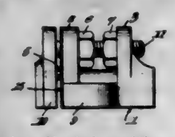
1,556,940. BEARING CAP. FRANK A. LEIS, Garden Plains, Kans. Filed May 3, 1924. Serial No. 710,898. 3 Claims. (Cl. 308—65.)

1. A bearing of the class described comprising two members movable longitudinally relative to each other,



one having apertured flanges and the other a threaded stud for insertion through said flanges with means for



locking said stud in adjusted position, one of said members having guide studs and the other sockets to receive said studs.

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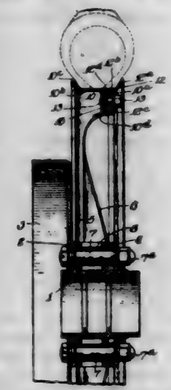
1,556,941. DISK WHEEL. MOSES VOLNEY LIDDELL, Mattituck, N. Y. Filed Dec. 20, 1920. Serial No. 432,159. 7 Claims. (Cl. 152—21.)



1. In a wheel, a rim comprising an annulus of channel sections having the web of the channel presented in substantially the radius of the wheel, and its outer flange assuming the position of a tread or tire-receiving member; said wheel having a separately formed disk overlapped upon and attached to the inner flange of its said rim and extending with said inner flange, and from the same, at a substantial angle to the radial plane of the wheel.

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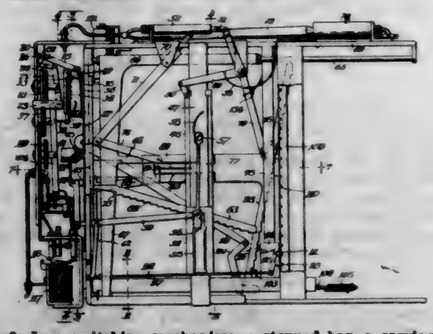
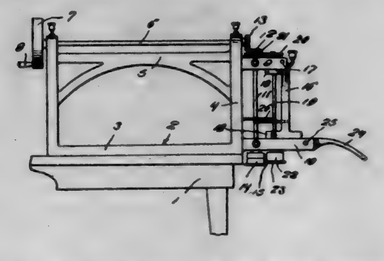
1,556,942. SWITCHING MECHANISM. FRANK A. LUNDQUIST and JOHN A. KROPP, Chicago, Ill., assignors, by mesne assignments, to Henry S. Conrad, trustee. Filed Apr. 25, 1921, Serial No. 464,218. Renewed Mar. 19, 1925. 14 Claims. (Cl. 179—27.5.)



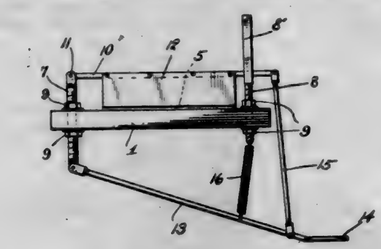
6. In a switching mechanism, a stepped bar, a carriage under tension to be moved but normally restrained by said bar, and a pneumatic motor for giving said bar a series of short movements to cause the release and subsequently the arrest of said carriage.

1,556,943. POWER-DRIVEN CAN OPENER. WILLIAM F. LINSTEDT, Plymouth, Wis. Filed Feb. 28, 1924. Serial No. 695,817. 1 Claim. (Cl. 30—3.)



A can opener including a frame having uprights, a power shaft rotatably mounted in said uprights, one of said uprights having upper and lower pairs of projections, a cutter shaft rotatable in said projections adjacent the uprights, a cutter head having an annular cutting blade mounted on the lower end of said cutter shaft, a power transmitting connection between the upper end of the cutter shaft and the power shaft, a member pivoted between the upper projection and movable between the lower projections, a shaft rotatably mounted in said member having driving connections with said cutter shaft for rotating said shaft in a direction opposite to said cutter shaft, a can receiving head mounted on the lower end of said last mentioned shaft, an operating lever pivotally mounted between said lower projection for moving said member toward the cutter head, whereby the can will be forced by said can receiving head against the annular cutting blade of the cutter head for severing the end of the can from the body thereof in the rotation of said shaft and a spring interposed between said one upright and said pivoted member for exerting an awkward stress on the lower end of the member.

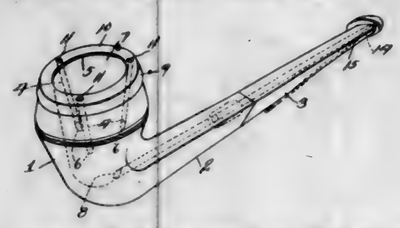
1,556,944. FOOT-POWER CIGAR-BINDER CUTTER. ANTONIO LÓPEZ, West Tampa, Fla. Filed Feb. 2, 1924. Serial No. 690,210. 1 Claim. (Cl. 164—44.)



A cutter of the class described comprising a base, a pair of posts carried thereby, one post having a guideway therein, means permitting the posts to be adjusted vertically and laterally on the base, a knife bar pivoted to one post and passing through the guideway of the other post, a foot pedal lever pivotally connected with the base, a link connecting the lever with the knife bar and a spring connected with the pedal lever for holding the parts with the knife in raised position.

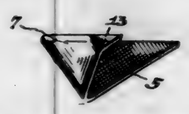
1,556,945. PIPE. HARRY LUCHOW, Council Bluffs, Iowa. Filed June 6, 1924. Serial No. 718,282. 2 Claims. (Cl. 131—12.)

1. The combination with a bowl of a pipe having a chamber therein and air passages extending from the upper end of the bowl and terminating in the chamber of the bowl; of an annular channeled member rotatably mounted on the upper end of the bowl, said channeled member having its upper flange horizontally disposed and provided with apertures normally registering with



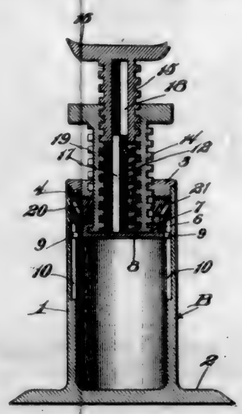
the upper ends of the air passages, said channeled member having its lower flange inturned and rotatably mounted in an annular groove in the outer periphery of the bowl.

1,556,946. BRAD. OSCAR LUND, Beverly, Kans. Filed June 27, 1924. Serial No. 722,816. 1 Claim. (Cl. 85—15.)



A brad of the class described including a triangular shaped base plate and a triangular shaped back plate formed on one edge thereof to be extended therefrom at an acute angle and terminating in an offset apex in a plane substantially parallel to the base plate.

1,556,947. JACK. CARL C. MADSEN and JESS A. KALTOFT, Ruthton, Minn. Filed Oct. 11, 1924. Serial No. 743,047. 1 Claim. (Cl. 254—102.)

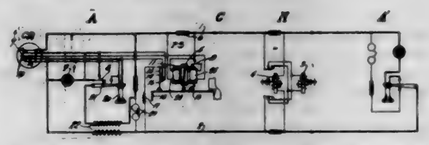


A jack comprising, in combination, a tubular base having its upper end open and provided in its side wall with an opening, an arm supported by the base exteriorly thereof and disposed across the opening, a head closing the open end of the base, a tubular pack screw threaded through said head, a plate in swiveled connection with the inserted end portion of the jack screw, coacting means carried by said second named plate and the wall of the member for holding the plate against rotation independently of the member, a second jack screw threaded into the first jack screw through the outer end thereof said second jack screw having its inserted



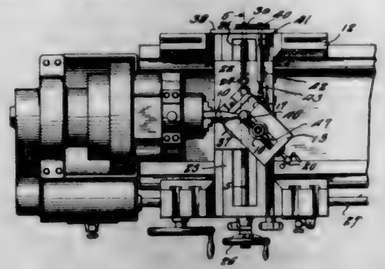
portion provided with a bore, an upstanding post carried by the second plate and extending within the bore of the second jack screw, said post and bore being angular in cross section to hold the second jack screw against rotation when the post is engaged within the bore of said second jack screw, said post having its upper end terminating inwardly of the outer end of the first named jack screw, a gear within the first member and surrounding said first named screw, means for keying said gear to the first named screw for rotation with said screw but permitting said screw to run therethrough, a gear rotatably supported by the arm extending across the opening in the side wall of the first named member and in mesh with the first named gear, and means for rotating the second named gear in either direction.

1,556,948. MEASURED-SERVICE TELEPHONE SYSTEM. FRED T. MADSEN, Maywood, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 5, 1923. Serial No. 636,836. 6 Claims. (Cl. 179—6.3.)



1. In a telephone system, calling and called lines, means including automatic switches for interconnecting calling line, said paystation mechanism being provided said lines, paystation mechanism associated with the calling line, said paystation mechanism being provided with a polarized relay, said polarized relay having a high impedance winding and a low impedance winding, contacts in the calling telephone operated by the removal of the receiver for completing a circuit for one winding of said polarized relay, means effective when the called subscriber removes his receiver to cause current to flow through said relay in the proper direction to operate it, contacts on said relay closed when the same is operated to complete an operating circuit through the other winding of said relay, and means for making said last circuit ineffective while the calling subscriber has his receiver off the hook.

1,556,949. LATHE ATTACHMENT. HENRY C. MALL, Indianapolis, Ind. Filed Aug. 4, 1924. Serial No. 729,997. 2 Claims. (Cl. 82—12.)



1. A radius generating device comprising a cross-slide presenting a raised circular portion flanged adjacent its upper edge and having a circular recess and a communicating pocket tangent to the recess a worm gear loosely seated in the said recess and having a square upwardly extending hub, a worm screw within the said pocket and engaging the said worm gear, means for rotating the said worm screw, a rotatable slide base seated upon the said raised portion of the cross-slide, said slide base having a flange adapted to bear on the said flange of the said raised portion and also having a squared recess in its underside to accommodate the square hub of the said worm gear, a longitudinally adjustable slide carried by the said slide base, and a removable clamping ring embracing the said flanges and holding the cross-slide and slide base against separation while permitting relative rotation thereof.

1,556,950. MUSICAL WIND INSTRUMENT. LOUIS R. MANN and DONALD I. BOHN, Madison, Wis. Filed May 9, 1921. Serial No. 467,912. 3 Claims. (Cl. 84—380.)

1. A reed instrument of the character described comprising a mouthpiece carrying a reed, a flaring tubular body portion provided with a longitudinally extending elongated opening therein, and a slidably mounted closure member for said opening vary the effective length of said instrument, said body portion being provided with a guideway for said closure member and with means for holding said closure member in snug engagement with said body portion.

1,556,951. TOBACCO-MOISTENING MEANS. JAMES A. MARSHALL, Mingo Junction, Ohio. Filed Aug. 1, 1923. Serial No. 654,973. 2 Claims. (Cl. 131—30.)

1. Tobacco moistening means embodying a mixture of ammonium acetate and common dry sand, and a sheet of moisture absorbent material placed upon said mixture.

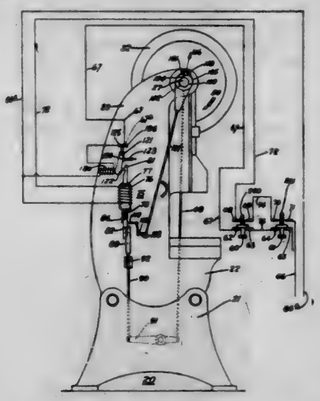
1,556,952. FAUCET. CLARENCE B. MICHEL, St. Paul, Minn. Filed Sept. 22, 1923. Serial No. 664,226. 4 Claims. (Cl. 299—9.)

1. In a combined faucet and drinking fountain, a spout rotatably connected to a supply pipe and having an opening in a side thereof with a channeled groove extending around the periphery of the pipe at the point of said opening, an offset portion at the end of the spout having a central opening, a chamber surrounding the central opening, having a plurality of perforations therein, and a hollow cylinder rotatably mounted in the spout adjacent the offset portion, said hollow cylinder having a pair of perforations in a side thereof, one of said openings being positioned to register with the central opening in the offset portion of the spout, the other of said openings being positioned to register with an opening in the perforated chamber surrounding the central opening, to cause a fluid passing through the device to be discharged through the central opening or through the perforated chamber, as desired.

1,556,953. ALLOY. SAMUEL W. PARR, Urbana, Ill. Filed Dec. 22, 1924. Serial No. 757,401. 12 Claims. (Cl. 75—1.)

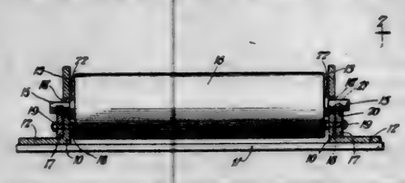
1. An alloy comprising nickel, cooper and aluminum, substantially as described, to which has been added manganese not less than $\frac{1}{8}$ per cent nor more than 1% and tantalum in an effective amount not exceeding 8%.

1,556,954. SAFETY CONTROL FOR PUNCH PRESSES. EARL M. POLK, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 25, 1921. Serial No. 455,457. 8 Claims. (Cl. 192—131.)



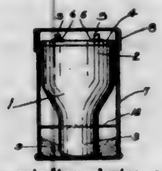
7. In a controlling system for a machine having a driving and a driven member normally disconnected, the combination with a clutch device operable to connect said members; of means for controlling the clutch device including two manually operable members, said control means requiring the operation of both manual members to a certain position for effecting a single cycle of machine operation, and restoring means operable only when both manual members are moved to a second position for restoring the control means to its normal arrangement before a subsequent cycle of machine operation can be performed.

1,556,955. CONVEYER. AUGUST JOSEPH REBSTOCK, St. Louis, Mo., assignor to The Rebstock Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 23, 1923. Serial No. 658,957. 6 Claims. (Cl. 193—37.)



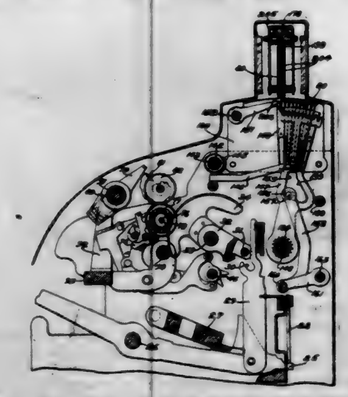
1. In a device of the character described, a plurality of members having shaft-like portions projecting axially therefrom and means for supporting said members for rotation, comprising a pair of side members having openings therein for loosely receiving said shaft-like portions, and members each having bearing portions therein for receiving a plurality of said shaft-like portions, said shaft-like portions being journalled solely in said bearing portions.

1,556,956. VALVE-GRINDING OUTFIT. WILLIAM RITCHIE, Port Orchard, Wash. Filed June 12, 1922. Serial No. 567,549. 3 Claims. (Cl. 51—29.)



1. In a valve grinding device a cylindrical shaped piece of material with the upper portion of a somewhat smaller diameter than the lower portion, a fibrous disk at the end of the lower portion, and pins with washers around them that project beyond the fibrous disk.

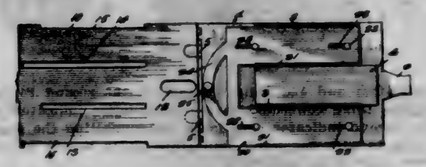
1,556,957. CASH REGISTER. WILLIAM H. ROBERTSON, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio. Filed June 7, 1923. Serial No. 643,919. 18 Claims. (Cl. 235—23.)



1. In a machine of the class described, the combination of a totalizer, means for entering items in said totalizer, an operating device operable only independently of the item entering means, indicating elements, adjustable supporting means for said indicating elements, connections intermediate of the totalizer and said supporting means rendered effective by an operation of the operating device to adjust said supporting means to select indicator elements, corresponding to the amount on the totalizer, and means actuated by said operating device for moving selected indicating elements into displaying position.

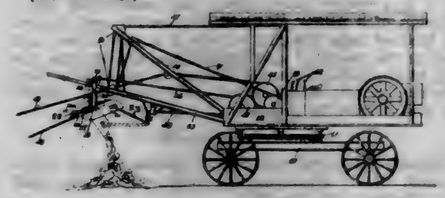


1,556,958. MARCEL WAVER. BLANCHE LENORE ROBINSON, Topeka, Kans. Filed Sept. 19, 1924. Serial No. 738,612. 1 Claim. (Cl. 132—31.)



A Marcel waver comprising a comb carrying plate having longitudinally extending laterally spaced combs secured thereto, a sliding plate mounted on said first mentioned plate and having transversely spaced combs to alternate with those on the fixed plate, said plates one having slots and the other headed studs to form guides for the movable plate, a longitudinally extending bail-like brace carried by said movable plate having a laterally extending button, a hinged plate carried by said first mentioned plate and having a slot to fit over said button, said hinged plate being also provided with longitudinally extending transversely spaced spots to fit over the fixed and movable combs, the slots for the movable combs being longer than those for the fixed combs.

1,556,959. SCRAPER. GEORGE T. RONK, Fairfield, Iowa. Filed Jan. 25, 1921. Serial No. 439,855. 5 Claims. (Cl. 37—115.)

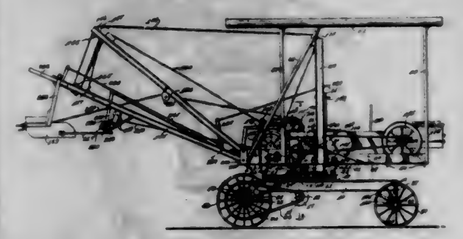


1. A scoop having a bottom, sides and a back, a bail pivoted to the forward lower ends of said sides, a returning bail, a lifting bail, said returning and lifting bails being formed integral, and pivoted near the upper edge of said side members and back of the center of gravity of said scoop member, means for locking said lifting and returning bails at a predetermined angle relative to the side members of said scoop, and means for releasing said locking means.

1,556,960. EXCAVATING MACHINE. GEORGE T. RONK, Leon, Iowa. Filed Jan. 11, 1922. Serial No. 528,587. 12 Claims. (Cl. 37—116.)

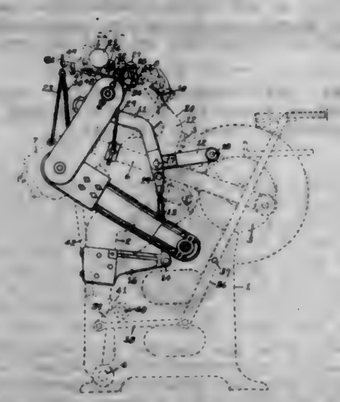
2. A wheel supported truck, driving means for advancing said wheel supported truck, a supporting frame pivoted for rotation on said truck, a prime mover on said supporting frame, means operated from said prime mover for swinging said supporting frame in either direction, means for throwing the last said means into operation with said driving means whereby said main truck may be advanced in either direction at a speed different from that produced by the first said driving means.

4. An excavator frame, a prime mover on said excavator frame, a boom pivotally mounted on said excavator frame, means operated by said prime mover for raising and lowering the free end of said boom, a scoop, an outhaul cable device for moving said scoop from and beyond said boom, and an inhaul cable for moving said scoop toward said boom, means connected with said prime mover for operating the outhaul cable, and means



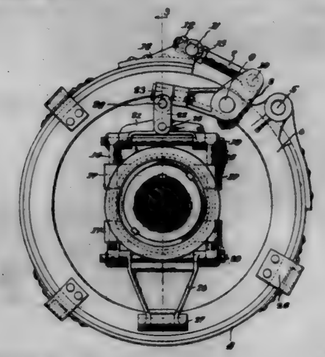
connected with said prime mover for operating said inhaul cable, the scoop being designed to engage said boom when its free end is at its lower position of movement, and to be carried thereby when it is in its elevated position of its movement, and means for automatically throwing the means which control the inhaul cable out of operative relation with said prime mover when the said scoop has engaged said boom.

1,556,961. PRINTING PRESS. FREDERICK P. ROSBACK, Benton Harbor, Mich., assignor to F. P. Rosback Company, Benton Harbor, Mich. Filed Mar. 28, 1924. Serial No. 702,566. 10 Claims. (Cl. 101—361.)



1. The combination in a printing press including a pivotally mounted plow, of means for oscillating said plow, an inking cylinder, a form roller frame pivotally mounted on said plow, form rollers carried by said frame, means for actuating said form roller frame comprising an arm on said plow disposed above its pivot, a pair of pivotally connected links, one of which is pivotally connected to said frame and the other to a fixed support, a third link pivotally connected to one of said links and to said arm on said plow whereby the said roller frame is actuated with a speed decreasing on its upward stroke so that the form rollers are maintained in engagement with the inking cylinder for a substantial period, and means for supplying ink to said inking cylinder.

1,556,962. CLUTCH MECHANISM. LESLIE A. RUSSELL, Chicago, Ill., assignor, by mesne assignments, to F. C. Austin Machinery Company, a Corporation of Illinois. Filed Oct. 22, 1919. Serial No. 332,528. 2 Claims. (Cl. 192—80.)



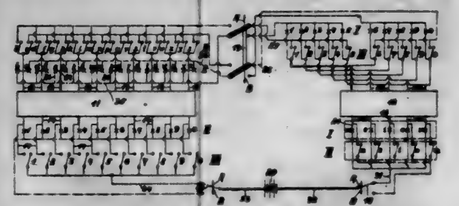
1. Clutch mechanism, comprising a shaft, fixed and loose members on said shaft, a friction clutch band surrounding said loose member, an actuating member connected with one end of said band and pivoted on said fixed member, and toggle mechanism between said actuating member and the fixed part of said fixed member, said mechanism comprising a collar slidable with respect to said shaft, said collar having apertured lugs projecting therefrom, a yoke formed with side rods freely slidable through said lugs, and toggle elements connected with the opposite ends of said rods and connecting said ends respectively to said actuating member and said fixed member, whereby said fixed member takes the thrust of the toggle mechanism when the clutch is closed.

1,556,963. WATCH-HOLDING DEVICE. GEORGE F. RUMBERGER, Dubois, Pa. Filed Nov. 10, 1922. Serial No. 600,079. 1 Claim. (Cl. 224—4.)

A device of the class described comprising a plurality of segmental channel shaped elements adapted to partly surround a watch case, and each being movable with reference to the other, about a pivotal point, a bracket secured to one of said elements and adapted for connection with a stationary member, a hinge connecting the segmental elements, and a spring having approximately the curvature of the segmental elements, secured to one of the elements and bearing against the other at a point opposite the hinge connection.

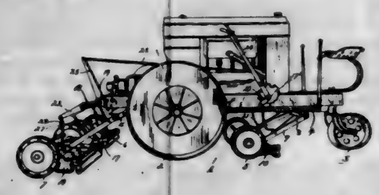
1,556,964. ELECTRIC CIPHERING APPARATUS. ARTHUR SCHERBIUS, Berlin, Germany, assignor to the Firm Gewerkschaft Securitas, Berlin, Germany, a Company of Germany. Filed Apr. 20, 1922. Serial No. 555,678. 8 Claims. (Cl. 35—13.)

1. A ciphering or deciphering machine for the transformation of a succession of figures into a succession of letters or inversely, consisting of two rows of contacts of equal length for the figures and of two rows of indicators for the letters, the first contact row for the figures being subdivided into groups, the corresponding figure contacts of the several groups being connected with a common letter indicator of the first row of letter



indicators and one figure contact of the second row of figures being connected with several letter indicators of the second indicator row, leads for connecting the figure contacts with the letter indicators and a source of current inserted in said leads.

1,556,965. TRACTOR LAWN MOWER. FAYETTE M. SEELEY, Lansing, Mich., assignor to Ideal Engine Company, Lansing, Mich., a Corporation of Michigan. Filed Jan. 16, 1922. Serial No. 529,444. 7 Claims. (Cl. 56—7.)



1. In a tractor lawn mower, the combination with a tractor, of a mower unit and downwardly and forwardly inclined links pivotally connected to said mower units and to the frame of said tractor, one of said links having bifurcations pivotally connected to the tractor frame whereby lateral movement of said mower unit relative to said tractor is prevented.

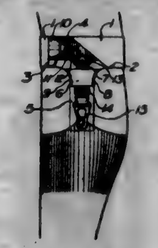
1,556,966. PROTECTIVE TIP. FRANK SELIG, Cleveland, Ohio. Filed Jan. 19, 1925. Serial No. 3,409. 5 Claims. (Cl. 74—33.)

1. In a device of the character described, a handle, and a protective tip having axially spaced resilient handle receiving and centralizing elements conjointly with said handle and tip forming an annular air cushioning chamber.

1,556,967. GARTER. JOHN SIGGELKOW, New Castle, N. Y. Filed Apr. 19, 1923. Serial No. 633,065. 7 Claims. (Cl. 241—6.)

1. In a garter, the combination with a washable casing member adapted to completely encircle the leg just below the knee, and an elastic member within said casing member, one of said members having adjustable interengaging fastening means at its opposite ends to hold it around the leg, of a supporter detachably secured to one of said members, hose gripping means on the supporter, and a washable strip separable from said supporter and composed entirely of textile fabric to separate the supporter from the leg.

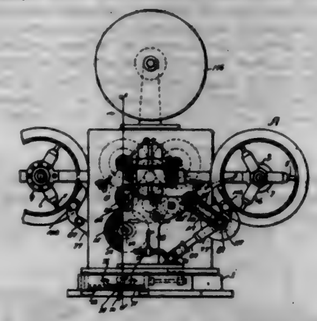




1,556,968. FLUX. JOSEPH A. SMITH, Hornell, N. Y. Filed May 14, 1925. Serial No. 30,859. 4 Claims. (Cl. 148—23.)

1. The herein described flux consisting of borax, powdered carbon, graphite, silicon, calcium phosphate, and superphosphate.

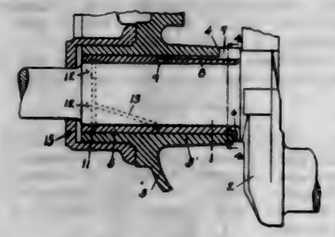
1,556,969. TIRE-MAKING MACHINE. CLAUS SPRECKELS, San Diego, and HOWARD I. MORRIS, Los Angeles, Calif.; said Morris assignor to said Spreckels. Filed Nov. 29, 1918. Serial No. 264,891. 22 Claims. (Cl. 154—10.)



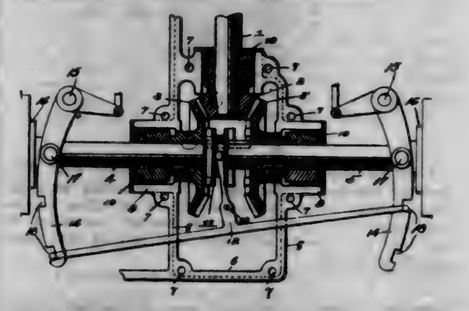
1. In a tire making machine, the combination with a revoluble core, of means for feeding tire material to the core, tread forming means, a frame supporting the tread forming means in operative relation to the core, rocking members carried by the frame at the sides of the core, and bead and tire forming rolls carried by the said rocking members in a balanced relation to each other.

1,556,970. LUBRICATOR MEANS FOR CRANK SHAFTS IN INTERNAL-COMBUSTION ENGINES. HARRY J. SPROAT, Lansing, Mich., assignor to New Way Motor Company, Lansing, Mich. Filed May 20, 1922. Serial No. 562,810. 4 Claims. (Cl. 184—11.)

1. The combination with the crank case for an engine having bearing supporting bosses therein, a bearing bushing for the shaft having a longitudinal groove in the top side of said bushing connecting to an oil hole at the center with diverging grooves in the bearing surface leading from the oil hole in the direction of the rotation of the crank, an annular oil groove in the bearing surface toward the outer end of the said bushing with inwardly inclined indentations in the bearing surface beyond the same, a diagonal groove leading from the annular oil groove across the bottom portion of the bushing to the interior of the crank case one branch of the diverging grooves leading to a point in close proximity to the cooling groove and return groove, and a cross groove in the bottom portion of the bearing surface leading from near the middle outwardly to the annular groove for the collection of oil and the delivery of the same thereto whereby the lubricant may be distributed over the bearing surface and returned effectively and quickly to the crank case, being thereby effectively circulated over the bearing surface, all coacting as specified.

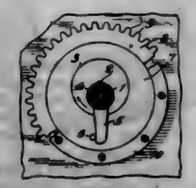


1,556,971. TRANSMISSION MECHANISM. EDWARD K. STANDISH, Stoughton, Mass. Filed Jan. 8, 1920. Serial No. 349,265. 2 Claims. (Cl. 180—17.)



1. In a transmission mechanism, a drive shaft carrying a gear fast thereon, an alined drive shaft carrying a gear loose thereon, a power shaft carrying a pinion meshing with said gears, and a clutch keyed to and slidable on the alined drive shaft and engageable with either of said gears to rotate said drive shafts in the same direction or in opposite directions, or movable out of engagement with both of said gears to rotate the first mentioned drive shaft and leave the other drive shaft free.

1,556,972. AUTOMATIC CLUTCH. HARRY P. STEVENS and WINTHROP S. HORTON, New York, N. Y. Filed Nov. 8, 1924. Serial No. 748,638. 7 Claims. (Cl. 192—8.)



1. An automatic clutch, comprising a rotary driving member, a member adapted to be rigidly connected therewith, an intermediate curved wedging member, said wedging member being adapted to become operative when

said driving member is moved in one direction, and means carried by said driving member for holding said wedging member out of operative positions when said driving member is rotated in the opposite direction.

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1,556,973. ASBESTOS COMPOSITION. NATHAN SULZBERGER, New York, N. Y. Filed Oct. 3, 1921. Serial No. 505,097. 9 Claims. (Cl. 92—21.)

6. A translucent film made of asbestos and colloidal aluminum-silicate and coated with spar varnish.

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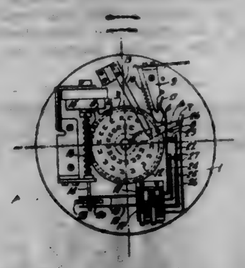
1,556,974. IMPULSE TRANSMITTER OF THE DIAL TYPE. EMIL TANKE, Falkenhagen b/Seegefeld Kreis Osthavelland, Germany, assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 29, 1921. Serial No. 518,723. 9 Claims. (Cl. 179—90.)



1. In an impulse sending device, a finger hold dial, impulse springs, springs for short circuiting said impulse springs, other springs for short circuiting substation apparatus, and a common member controlled by said dial for directly operating both sets of said short circuiting springs.

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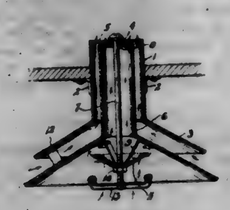
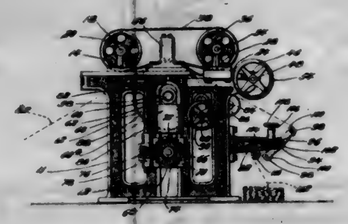
1,556,975. VENTILATOR. RICHARD S. TEMPEST, Mount Pleasant, Pa. Filed Apr. 8, 1925. Serial No. 21,635. 1 Claim. (Cl. 98—27.)



A device of the class described comprising a chimney-like member having a flaring lower end and a cross piece at its upper end, a second member of similar shape to the first mentioned member but smaller, said second member being spaced from the first member, a spider at the lower end of the second member, a bolt passing through the cross pieces at the tops of the members and through the spider, a deflector plate on the bolt, a nut on the bolt holding the parts together and a handle on the second member for turning the same to adjust its cross piece in relation to the other cross piece to control the flow of gases through the same.

1,556,976. FABRIC-PRINTING MACHINE. NORMAN C. THACKERAY, Pawtucket, R. I., assignor to Imperial Printing & Finishing Co., Pawtucket, R. I., a Corporation of Rhode Island. Filed Mar. 9, 1925. Serial No. 14,236. 22 Claims. (Cl. 101—115.)



1. The process of printing fabrics which comprises feeding by gravity alone a plurality of colors from a plurality of different color reservoirs simultaneously through a perforated stencil on to the upper surface of a moving fabric.

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1,556,977. METHOD FOR THE PREPARATION OF A VEGETABLE MILK. GASTON D. THÉVENOT, New York, N. Y. Filed Dec. 8, 1923. Serial No. 679,472. 5 Claims. (Cl. 99—11.)

1. A process of preparing a milk substitute from soya beans which comprises grinding the beans, removing the husks from the ground product, soaking the beans in a solvent comprising substantially equal parts of alcohol and water, drying the product at a low temperature to remove the solvent therefrom, thereafter pulverizing the mass and adding sugar and mineral matter thereto in proportions to attain a milk powder having substantially the composition of that derived from cows' milk.

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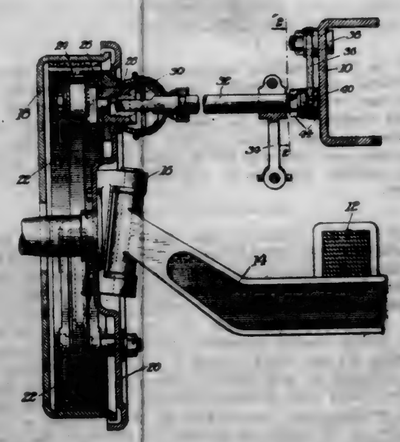
1,556,978. BRAKE-OPERATING MECHANISM. GEORGE JOSEPH THOMAS, South Bend, Ind., assignor to The Bendix Corporation, Chicago, Ill. Filed Apr. 13, 1925. Serial No. 22,733. 5 Claims. (Cl. 188—194.)



1. Operating mechanism for a brake acting on a front wheel swivelled at the end of an axle supporting a chassis frame, and comprising, in combination with said parts, a rockshaft operating the brake and arranged above and generally parallel with the axle, and fabric secured to the chassis frame and supporting the inner end of the rockshaft, the fabric being sufficiently flexible to compensate for movements of the rockshaft.



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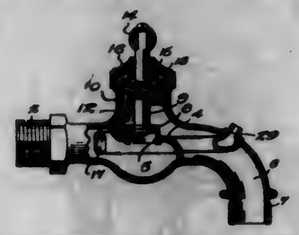
1,556,979. FAUCET. WILLIAM FRANK USCHMAN, Atlanta, Ga. Filed Apr. 21, 1925. Serial No. 24,808. 4 Claims. (Cl. 277—53.)



1. A faucet having a main passage, an inlet opening and a main outlet opening, a valve seat arranged between said inlet and outlet opening, a valve cooperating with said seat, said casing being provided with an auxiliary passage in one of its walls substantially parallel to said main passage having an auxiliary outlet opening, and means independent of said valve for controlling the flow of liquid from said auxiliary outlet opening.

4. A faucet having a main passage, an inlet opening and a main outlet opening, a partition arranged in said main passage forming a valve seat, a valve cooperating therewith, said faucet being provided with an auxiliary passage communicating therewith rearwardly of said partition and extending through one of the walls thereof substantially parallel to said main passage, the other end of said auxiliary passage forming an auxiliary outlet opening, and a valve arranged in said auxiliary passage to control the flow of fluid from said auxiliary outlet opening.

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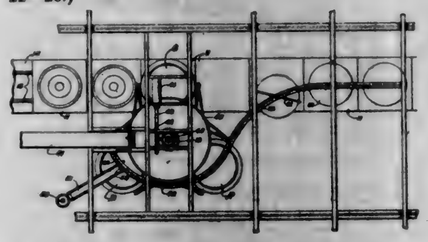
1,556,980. MOLDING MACHINE. FREDERICK K. VIAL, La Grange, Ill., assignor to Griffin Wheel Company, Chicago, Ill., a Corporation of Massachusetts. Filed Apr. 4, 1921. Serial No. 458,401. 13 Claims. (Cl. 22—20.)



1. A foundry equipment, comprising in combination, a conveyer, a molding machine arranged adjacent thereto and having a rotatable member moving past a plurality of molding stations, said rotatable member moving above said conveyer at one point in its travel and adapted to deposit finished molds thereupon.

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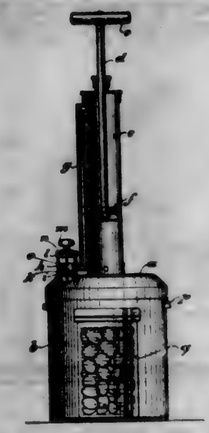
1,556,981. DEVICE FOR CLOSING PRESERVE JARS. OTTOMAR VOIGT, Duesseldorf, Germany. Filed Aug. 19, 1924. Serial No. 732,983. 4 Claims. (Cl. 226—82.)

1. In a device for closing preserve jars, cans, and the like, an accessory receiver, an air pump connected thereto by a passage for rarefying the air contained in the receiver, and inlet and outlet valves for the pump arranged outside the same and in the connecting passage with the receiver, both of said valves adapted to be actuated to open the receiver to the atmosphere.



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1,556,982. MEANS FOR SOFTENING THE CONTOURS OF THE IMAGES OF PHOTOGRAPHIC OBJECTIVES. FRANZ WEINERT, Zehlendorf, near Berlin, Germany, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Filed Sept. 3, 1921. Serial No. 498,466. 5 Claims. (Cl. 88—57.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. The combination of an objective for a photographic camera, a tubular casing for said objective, a chromatic compound lens which is afocal for a special wave length, and means for detachably connecting said chromatic lens with said tubular casing in front of said objective.

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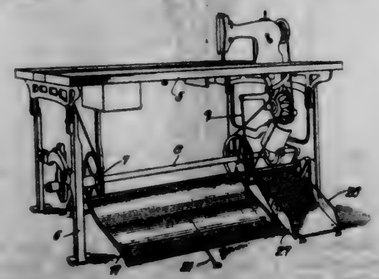
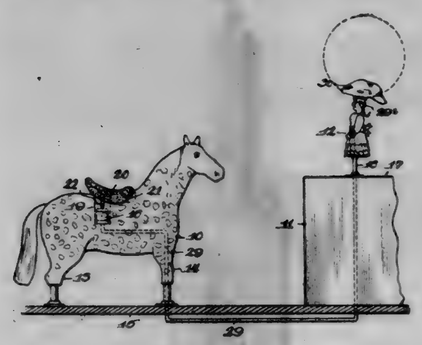
1,556,983. SEWING-MACHINE GUARD. HARRY WEINTRAUB and ISSEL SMITMAN, New York, N. Y. Filed July 15, 1925. Serial No. 43,823. 5 Claims. (Cl. 74—56.)



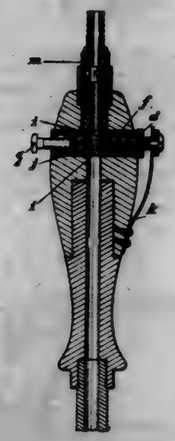
1. A machine guard of the class described comprising a shield, a supporting rod, means for connecting the shield to the rod whereby it may be lowered to render a machine foot pedal inoperative and means for supporting said rod to the front of a machine frame.

1,556,984. GAME. GUSTAV WOLKENHAUER, Chicago, Ill., assignor to Riverview Park Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 15, 1924. Serial No. 755,814. 4 Claims. (Cl. 273—86.)



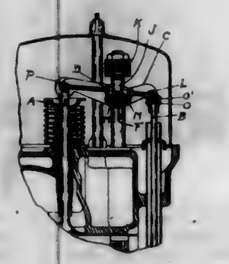
1. A game comprising the combination of a support, a plurality of dummies thereon simulating forms to be entered in a race, each dummy including a part which is movable with reference to said support, a plurality of bellows devices, one for each dummy, each operably connected to said movable part, a plurality of puppets there being a puppet associated with each dummy, a pipe connecting each bellows device to the associated puppet, and provided with a discharge nipple at its puppet end, and a plurality of exansible devices, one for each uppet attached to said nipples.

1,556,985. HANDLE FOR HAND GLASS-BLOWING CONTRIVANCES. KARL BARTL, Komotau, Czechoslovakia. Filed Feb. 8, 1924. Serial No. 691,519. 1 Claim. (Cl. 49—21.)



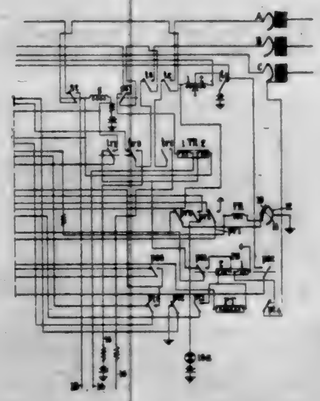
In combination: a hollow handle for hand glass-blowing contrivances, a compressed-air supply pipe connected to one end and a blowing pipe connected to the other end of the handle, a spring-pressed valve in the handle for a control of the compressed-air supply, and a knob on said valve for its operation from outside the handle; said handle consisting of two parts in rotatable connection with one another, so that it can be held at one part, to which the air supply pipe is attached, by one hand with one finger on the operating knob of the valve while the other part, to which the blowing pipe is attached, can be freely turned on said first part by the other hand of the operator.

1,556,986. ROCKER ARM FOR VALVE-OPERATING MECHANISMS. ALANSON P. BRUSH, Detroit, Mich. Filed Apr. 1, 1920. Serial No. 370,614. 19 Claims. (Cl. 123—90.)



5. In a valve operating mechanism, a rocker and a cooperating bearing, the one having a cylindrical segment and the other a non-parallel surface, and a pintle on one of said members engaging a recess in the other, compelling a relative rolling movement.

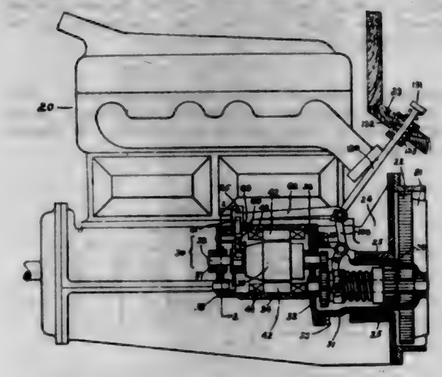
1,556,987. AUTOMATIC AND SEMIAUTOMATIC TELEPHONE SYSTEM. DAVID ADAM CHRISTIAN, London, England, assignor to Siemens Brothers & Company, Limited, London, England, a British Company. Filed Sept. 7, 1923. Serial No. 661,427. 22 Claims. (Cl. 179—18.)



1. In a telephone system a selector having two directional motion, wipers which execute a first movement and a second movement, means for causing release as regards the second movement on a predetermined contact being reached in that movement and for returning the wipers to the starting position for that movement and means automatically operating for re-starting the first movement on the return of the wipers.



1,556,988. CONNECTING MECHANISM. FREDERICK J. HARDMAN, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed July 28, 1919. Serial No. 313,716. 12 Claims. (Cl. 74—7.)

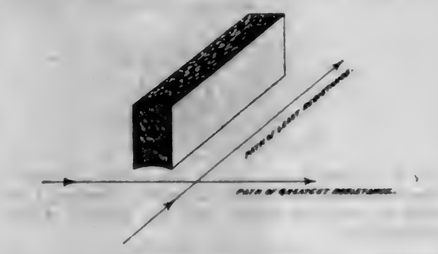


3. In a mechanism for connecting a rotatable device with a gear, the combination with a shaft driven by said device and a pinion splined thereto, and shiftable into engagement with said gear; of manual means for shifting said pinion into engagement with said gear, said means including provisions which operate in case the pinion collides with the gear to produce rotation of said pinion while said pinion is pressed against the gear whereby said pinion will be brought into enmeshing relation with said gear.

1,556,989. TABLE KNIFE. CARL H. HEMMING and FRANK P. HEMMING, New Haven, Conn. Filed July 16, 1924. Serial No. 726,276. 1 Claim. (Cl. 30—9.)

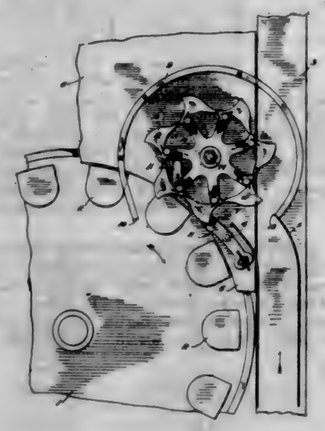
A knife including a handle having a channel in a side edge thereof extending through the inner end of the handle to form a support parallel to the axis of the handle and a locating seat extending at an incline to the support, and a blade having a relatively long tang completely enclosed by the handle and formed with a longitudinal edge abutting said support and with an inclined shoulder at the juncture of a side edge of the blade and tang conformably abutting the seat, the seat and shoulder being of similar degrees of inclination and of such length so that when in engagement with one another the rear edge of the knife and the adjacent part of the neck of the handle will be held alined.

1,556,990. COMMUTATOR BRUSH. RALPH L. HENRY, Brooklyn, N. Y., assignor to Albert C. Henry, Inwood, Long Island, N. Y. Filed Oct. 12, 1922. Serial No. 594,088. 6 Claims. (Cl. 171—325.)



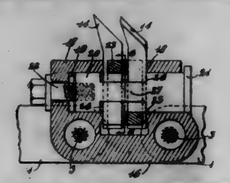
3. An electrical brush or contact, comprising an electrically conductive material mixed with not to exceed approximately twenty-five per cent of a non-conductive or high resistance binder consisting of an infusible condensation product, said mixture being molded by pressure applied in one direction and solidified by heat, whereby the elements thereof are relatively disposed throughout the mass to form an internal physical structure having a path of least resistance substantially parallel to one plane of the mass.

1,556,991. TRANSFERRING MECHANISM FOR BOTTLE-FILLING MACHINES. IRVING R. HIPPENMEYER, Waukegan, Ill., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 3, 1924. Serial No. 703,910. 1 Claim. (Cl. 198—22.)



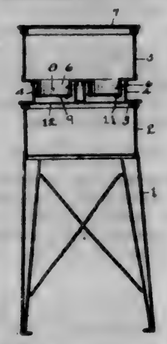
In a bottle filling machine, bottle transferring mechanism comprising a revoluble wheel, a concentric series of bottle engaging members normally extending radially outward from said wheel and pivotally mounted thereon to swing in the plane of rotation of said wheel, the outer sides of said series of members normally presenting a substantially continuous lateral contour, each of said members having convex front and rear faces forming a bottle engaging pocket between each adjacent pair of members, and resilient means for normally maintaining said members in outward position, said means permitting said members to swing inwardly and past a bottle engaged thereby in case of obstruction to the passage of said bottle.

1,556,992. CUTTER CHAIN. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 6, 1919. Serial No. 281,029. 16 Claims. (Cl. 262—33.)



1. In a cutter chain, a cutter link having a lateral extension thereon, and means for rigidly clamping a plurality of cutter bits thereto each in a plurality of angular positions.

1,556,993. STRAINER. WILLIAM T. HULSCHER, Battle Creek, Mich. Filed Oct. 6, 1924. Serial No. 741,962. 8 Claims. (Cl. 210—155.)

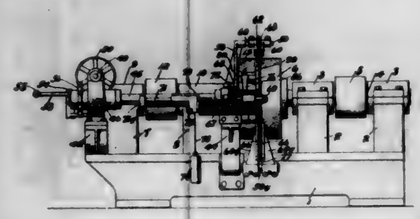


1. In a strainer, the combination of a receiving receptacle, a cover therefor provided with a plurality of flanged openings, a screen common to all of said openings disposed on the under side of said cover, a supply receptacle provided with a plurality of discharge necks depending into said flanges of said cover, filtering pads disposed over the ends of said necks, foraminated supporting members for said filtering pads, and means for removably clamping said supporting members in position.

1,556,994. AIMING DEVICE WITH OPTICAL REFLECTING SYSTEM FOR MOVING STATIONS. HEINRICH JACOB, Friedenau, near Berlin, Germany, assignor to the Firm Optische Anstalt C. P. Goers Aktiengesellschaft, Friedenau, near Berlin, Germany. Filed Aug. 23, 1921. Serial No. 494,452. 3 Claims. (Cl. 88—1.)

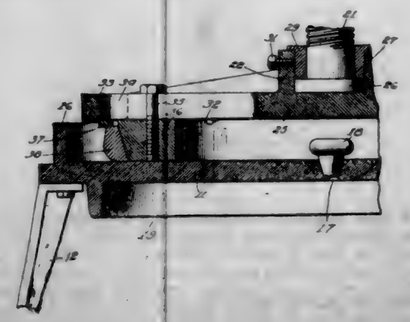
1. Aiming device for aircraft and stations movable with relation to the direction of gravity, comprising an optical system adapted to produce an image of a target and a level having a spherical surface and a bubble moving in contact therewith, said spherical surface and bubble of the level located substantially in an image plane of said optical system, the radius of curvature of the spherical surface of the level being equal to the equivalent focal length of the optical system provided between the target and the level, the bubble of the level forming the sight of the instrument.

1,556,995. PISTON-RING ROUGH-GRINDING MACHINE. CHARLES B. JOHNSON, Muskegon, Mich. Filed Jan. 9, 1922. Serial No. 528,077. 10 Claims. (Cl. 51—118.)



1. In combination, a ring carrying hopper for holding a quantity of ring castings, a disk rotatably mounted at one side of the hopper, pairs of ring carrying members mounted on the disk and extending radially therefrom, said ring carrying members being movable across an open end of the hopper and each pair being adapted to receive a ring casting from the hopper as it passes thereby, two rotatably mounted grinding wheels located with adjacent faces parallel between which the ring carrying members pass in their movements, said grinding wheels acting on the ring castings to grind opposite parts thereof, means for driving the grinding wheels, side guide plates between which the ring carrying members pass going to and away from the grinding wheels, and means on one of said plates for automatically ejecting the ring castings from the ring carrying members after grinding thereof.

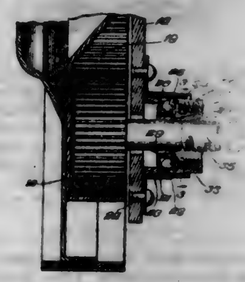
1,556,996. APPARATUS FOR AND PROCESS OF TRUING COOPERS' TRUSS HOOPS. WALTER O. JOHNSON, Chicago, Ill., assignor to T. Johnson Company, Chicago, Ill., a Corporation of Illinois. Filed July 7, 1921. Serial No. 482,898. 11 Claims. (Cl. 78—81.)



1. An apparatus for truing coopers' truss hoops, comprising, a size determining means insertable into a hoop, clamping means for securing the hoop against axial movement, and means for shrinking the hoop against said size determining device.

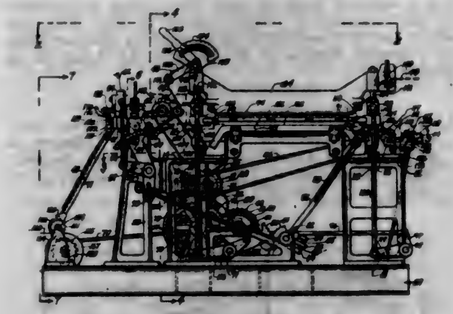


1,556,997. LAWN MOWER. ALLEN JOHNSTON, Ottumwa, Iowa, assignor to Johnston Pressed Gear Company, Ottumwa, Iowa, a Corporation of Iowa. Filed Mar. 24, 1919. Serial No. 284,636. 10 Claims. (Cl. 308—189.)



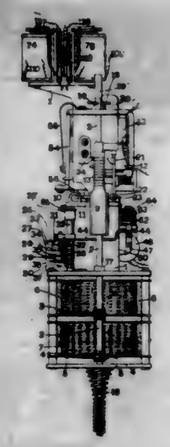
1. In a lawn mower, the combination of a main frame, a reel shaft, and bearings for said shaft, said bearings comprising a sleeve secured to the main frame, a bevel ring disposed within said sleeve and forming an outer race ring, and a unitary bearing assembly on the shaft, comprising a sleeve secured to the shaft and having an outer upset flange, anti-friction balls disposed within said flange, and a series of spiral springs forcing said balls into contact with the bevel face of said ring.

1,556,998. EMBROIDERY-STAMPING MACHINE. MORRIS KATCHER, New York, N. Y., assignor to J. B. Kaufman Co., New York, N. Y. Filed Jan. 17, 1925. Serial No. 3,033. 32 Claims. (Cl. 101—126.)



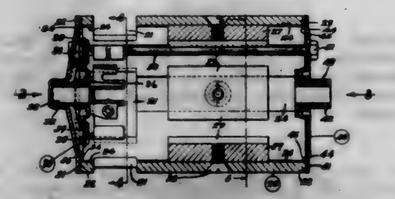
1. In an embroidery stamping machine, the combination of a stencil suitably mounted for vertical reciprocation, a platen, means for guiding the fabric to be stamped along the under side of said platen, said stencil adapted to be in position against the under side of said fabric at the upper end of its stroke, means for reciprocating said stencil, a printing roll adapted to roll under said stencil and means for rolling said roll under the stencil, said rolling and reciprocating means adapted to operate in timed relation, whereby said stencil is maintained in its upper position during the rolling by of said printing roll.

1,556,999. AUTOMATIC TELEPHONE EXCHANGE. ALEXANDER E. KEITH, JOHN ERICKSON, and CHARLES J. ERICKSON, Chicago, Ill., assignors, by mesne assignments, to Automatic Electric Company, a Corporation of Illinois. Filed June 18, 1902. Serial No. 112,224. 101 Claims. (Cl. 179—18.)



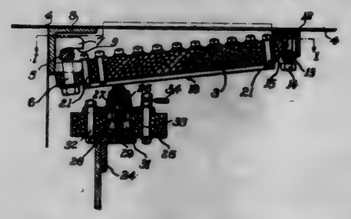
53. The combination of three groups of selecting devices and interconnecting lines therefor, electromagnetic operating means for each of the devices, switching mechanism for each device of the first group for disabling its operating means and completing connection to a device of the second group, and switching mechanism for each device of the second group for disabling its operating means and completing connection with a device of the third group.

1,557,000. DYNAMO FRAME. ERNEST R. KUHLS, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 18, 1924. Serial No. 750,645. 4 Claims. (Cl. 171—252.)



2. A dynamo frame comprising, in combination, a tubular member having parallel end surfaces and, interiorly thereof, a plurality of spaced, longitudinally extending parallel grooves at right angles to the end surfaces having bottom surfaces equidistant from the axis of the shaft which the frame is intended to support; a plurality of identical pole pieces each having a shank bottoming in a groove; and end frames each secured against an end surface of the tubular member and having a shaft bearing at right angles to the end surface and having spaced locating members terminating in surfaces equidistant from the shaft bearing and each adapted to bottom in one of the grooves of the tubular member.

1,557,001. SWITCH MECHANISM. HERMAN K. ANSINGH, Toronto, Canada, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 20, 1923. Serial No. 620,150. 9 Claims. (Cl. 175—298.)



1. A distributing panel for truck-panel circuit breakers comprising an insulating base having parallel feed conductors on one side and parallel distributing bars on the other side of the base intersecting the feed conductors and adapted for engagement with a contact member and means for selectively connecting the distributing bars to the feed conductors.

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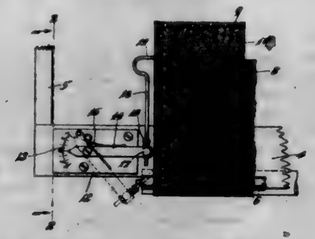
1,557,002. ATTACHMENT FOR LOOMS. ARTHUR J. ASTLE, Middletown, Conn. Filed Apr. 17, 1923. Serial No. 632,643. 3 Claims. (Cl. 139—1.)



1. A loom including mechanism for weaving a fabric therein, said mechanism including means for forming a shed, a tensioned horizontally swinging element normally displaced from the shed and adapted to engage within said shed, and an indicating member operatively connected with said element to denote its position.

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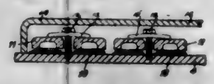
1,557,003. ELECTRIC SWITCH. WALTER M. AUSTIN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 2, 1920. Serial No. 421,231. 3 Claims. (Cl. 200—16.)

1. In combination, in an electric switch, a tubular casing member, longitudinally-disposed stationary contact studs extending through the wall of the casing member, a movable contact member having longitudinally-spaced engaging surfaces and adapted to simultaneously engage a plurality of the stationary contact members, a tubular carrier for the movable contact member slidably mounted in the casing member, a plunger also slidably supported in the casing and connected to the carrier, and a spring for normally maintaining the plunger in one of its extreme positions.

1,557,004. APPARATUS OR MACHINE FOR MAKING AND COOKING WAFER BISCUITS, CUP WAFERS, CORNETS, AND THE LIKE. THOMAS OWEN BATES, Liverpool, England. Filed Dec. 9, 1924. Serial No. 754,838. 1 Claim. (Cl. 219—19.)



An electrically heated plate for apparatus or machines for making or cooking wafer biscuits, cup wafers, cornets or other confections, the combination of a plate proper, a plurality of separate flat heating elements, each consisting of a thin sheet of insulating material wound with a wire conductor, metal strips on the hinge side of the plates having a hinge connection, the axis of which is coincident with the axis of the said plate hinge.

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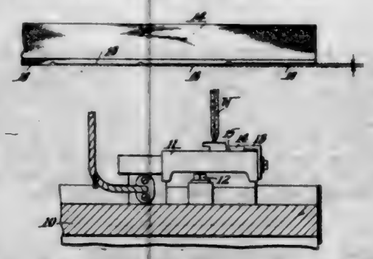
1,557,005. GAUGE BAR FOR GRINDING MACHINES. JOHN BATH, Worcester, Mass. Filed Oct. 7, 1924. Serial No. 742,233. 3 Claims. (Cl. 51—239.)



1. In a thread grinding machine, a gauge bar for thread chasers having a plurality of parallel gauge surfaces spaced transversely from each other by equal fractions of the pitch of the thread to be ground.

3. In a thread grinding machine, a work table and a grinding wheel, one travelling relatively to the other, and a series of stops on said table spaced transversely to the direction of relative travel of said table and wheel, and each stop being off-set from its adjacent stops by a selected friction of the pitch of the thread to be ground.

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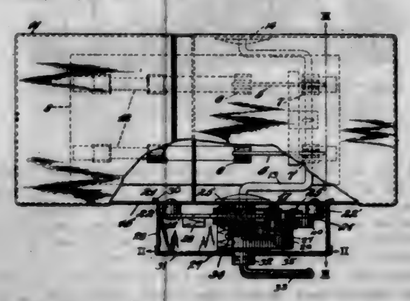
1,557,006. SWITCH BOX. HAROLD G. BAXTER, Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 9, 1920. Serial No. 415,801. 10 Claims. (Cl. 200—67.)



1. Switch mechanism comprising a pair of stationary contact members, a movable contact member for engagement therewith, separate pairs of toggle links pivotally connected to the movable member and alternately



movable to made positions for holding the movable member substantially in the extreme limits of its movements and yielding means for retaining the toggle links in made position.

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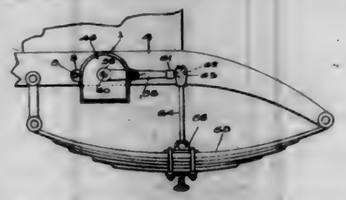
1,557,007. FLUID DOUBLE-ACTION SHOCK ABSORBER. SAMUEL P. BENNETT, San Francisco, Calif. Filed Sept. 24, 1924. Serial No. 739,618. 6 Claims. (Cl. 188—88.)



1. A device of the character described, comprising an attaching frame and suitable housing therefor forming an oil chamber, of a plurality of cylinders mounted upon said frame, a pivotal yoke carried by said frame, pistons mounted within said cylinders, link connections between the yoke and pistons, outlet ports formed in said cylinders, check valves mounted in said cylinders, and means whereby the alternate oscillation of said yoke causes the pistons to bypass fluid through the outlet ports of one cylinder into the check valves of the other cylinder.

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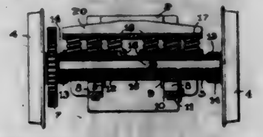
1,557,008. JOURNAL-BEARING CASING. CLAUDE BETHEL, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 22, 1923. Serial No. 664,236. 9 Claims. (Cl. 105—140.)



1. The combination, in a vehicle truck, of a supporting frame, a plurality of axle housings movably mounted therein, a plurality of sleeves carried by said housings for journalling wheel axles of said truck, and means for uniformly distributing the load of the truck body on said axles.

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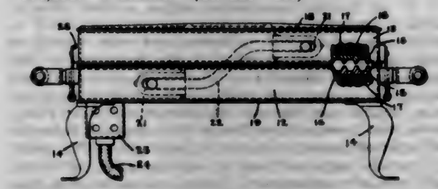
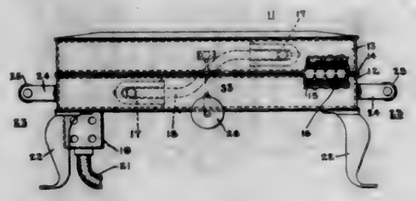
1,557,009. ELECTRIC WAFFLE IRON. HERMAN M. BIEBEL, Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 20, 1922. Serial No. 576,195. 4 Claims. (Cl. 219—19.)



1. In an electric-cooking device, in combination, an electrically-heated lower casing, an electrically-heated superposed casing hinged on said lower casing, and having a closed and an open position relatively thereto, and a combined carrying and upper-casing-raising means pivotally mounted on the lower casing in such position as to cause said upper casing to remain in its closed position while the device is being carried by said combined means.

1,557,010. ELECTRIC WAFFLE IRON. HERMAN M. BIEBEL, Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 27, 1922. Serial No. 577,838. 6 Claims. (Cl. 219—19.)



1. In a waffle iron, in combination, an upper and a lower casing hinged togeher, a heating element located in each of said casings, a shaft extending laterally of said device and secured thereto at the bottom of the lower casing, a hand wheel secured to said shaft at the front of the casing, and a link motion operatively connecting the rear end of said shaft with the upper casing and operative by a turning movement of said shaft, to raise said upper casing.

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1,557,011. PROCESS OF TANNING HIDES OR SKINS. JOHN REGINALD BLOCKEY, Bolton, England, assignor to William Walker and Sons Limited, Bolton, England. Filed Dec. 16, 1924. Serial No. 756,855. 3 Claims. (Cl. 149—3.)

1. A process of tanning hides and skins comprising preliminarily subjecting the pelts to the action of a solution, the acid strength of which is maintained substantially the same as that of the tanning liquor by addition of a properly proportioned amount of neutral salt, whereby the extent or degree of swelling of the pelts may be regulated as desired.

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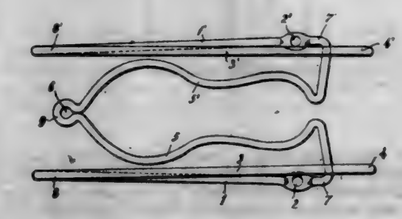
1,557,012. SHOE-POLISHING DEVICE. CHARLES BLUMEL, New York, N. Y. Filed June 14, 1924. Serial No. 720,041. 1 Claim. (Cl. 15—266.)



A shoe polishing device comprising a foot rest made of a single piece of wire provided at its front and rear ends with integral supports, said rear supports having extensions inclined forwardly and upwardly in the direction of the front support, said extensions being folded back upon themselves past said rear supports, terminating in extensions provided with hooks, thereby providing side and rear guides for a polishing cloth.

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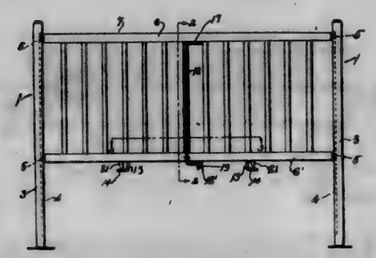
1,557,013. CRIB. CHARLES H. BOARDMAN, Columbus, Ohio. Filed Oct. 18, 1924. Serial No. 744,406. 2 Claims. (Cl. 5—100.)

1. A crib comprising end frames, a spring frame supported thereby, a shaft pivotally supported upon the spring frame and having extensions upon its ends, a side frame slidably connected with the end frames and

having flanges carried thereby, seats formed in the flanges for engaging the extensions to hold the side frame in its elevated position, a rod pivotally supported



by the side frame, and means carried by the rod for rocking the shaft to disengage the extensions from the seats.

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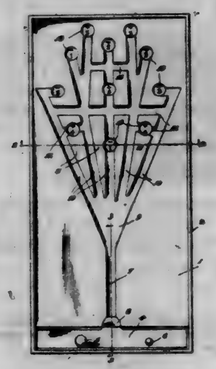
1,557,014. GAME. CHARLES H. BÖHN, Saginaw, Mich. Filed May 6, 1925. Serial No. 28,463. 5 Claims. (Cl. 273—118.)



3. A game comprising a tiltable playing board having a compartment adjacent one end and a main pathway leading therefrom longitudinally of the board and provided with branches constituting auxiliary pathways, supplemental pathways being provided transversely of the board and connecting certain of said auxiliary pathways, said auxiliary pathways and certain of said supplemental pathways communicating with scoring pockets, and relatively large and small counting balls adapted to be placed in said compartment and, by tilting of the board, caused to roll along said pathways and into said pockets.

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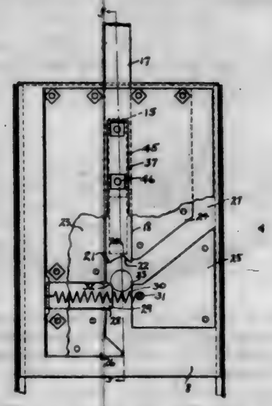
1,557,015. VENDING MACHINE. CHARLES W. BONER and SAMUEL S. OSBORNE, Raymondville, Tex. Filed July 23, 1923. Serial No. 653,270. 4 Claims. (Cl. 194—69.)

1. In a vending machine, a housing, a plurality of flat adjacent plates having therein a longitudinal plunger slot, a plunger therein, an inclined coin slot, and a laterally extending latch slot, a latch in said latch slot projecting into said plunger slot below said coin slot, said latch being adapted to stop said plunger, but being forced laterally out of said plunger slot by said plunger when a coin is inserted between the said plunger and



latch, and a plate on said plunger having an object-receiving recess therein, said plate movable into delivering position when said plunger is depressed past said latch.

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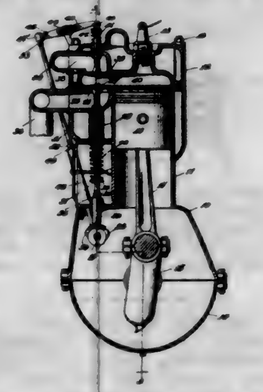
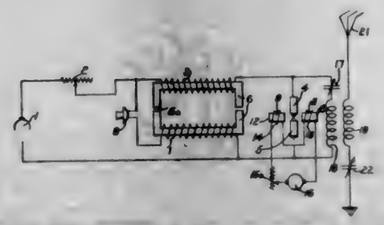
1,557,016. INTERNAL-COMBUSTION ENGINE. BYRON G. BOSWELL, Arlington, Ky. Filed May 21, 1924. Serial No. 714,975. 2 Claims. (Cl. 123—75.)



1. In an internal combustion engine, a block incorporating a plurality of cylinders and provided with an intake passage for said cylinders and with a separate intake port for each cylinder at the inner end of said passage, a head closing the cylinders and provided with an exhaust passage for said cylinders and with a separate exhaust port for each cylinder at the inner end of the exhaust passage as well as with a combined induction and eduction passage for each cylinder connecting one of said intake ports and one of said exhaust ports with each cylinder respectively, intake valves on the block controlling the intake ports, exhaust valves on the head controlling the exhaust ports, a cam shaft, tappets coacting between said shaft and the intake valves, a pair of rockers mounted on the head and provided at their inner ends with lugs extending toward each other to coact with the exhaust valves and at their outer ends with lugs extending away from each other, push rods coacting with the latter lugs, and tappets coacting between the cam shaft and said push rods.



1,557,017. SIGNALING SYSTEM. QUINCY A. BRACKETT, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 2, 1921. Serial No. 497,950. 20 Claims. (Cl. 179—171.)



1. A method of controlling the high-frequency output of an oscillating arc which consists in changing the permeability of an iron core associated with an inductor in the supply circuit.

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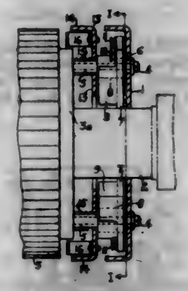
1,557,018. SHORT-CIRCUITING DEVICE. JOHN LYALL BROWN, Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 15, 1923. Serial No. 668,467. 8 Claims. (Cl. 172—279.)



1. The combination with the commutator cylinder of a dynamo-electric machine, of a member spaced from and secured to the end thereof by a plurality of spaced threaded pivot members, a centrifugally actuated member pivotally and threadedly mounted on each of the threaded pivot members, and a short-circuiting member loosely disposed between said spaced member and said commutator cylinder, said centrifugally-actuated members adapted to pivot outwardly and simultaneously therewith to adjust themselves axially on their pivot members and force the short-circuiting member into engagement with the end of the commutator cylinder.

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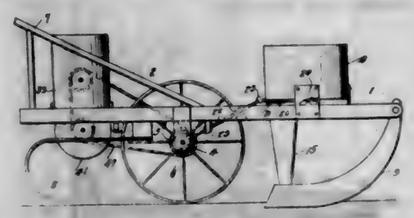
1,557,019. COMBINATION SEED DISPENSER. JOHN A. BURCHAM, Bath Springs, Tenn. Filed Nov. 3, 1923. Serial No. 672,550. 3 Claims. (Cl. 221—122.)

1. In a planter, concentric hoppers, the outer hopper being stationary, a bottom plate common to both hoppers and closing the lower ends thereof and having a discharge opening for each hopper, and rotatable dispensing



plates for the respective hoppers mounted upon said bottom plate, said dispensing plates and inner hopper being rigidly connected together.

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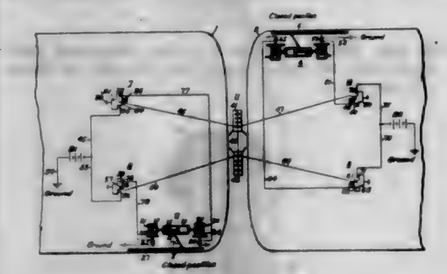
1,557,020. DOOR-CONTROLLING CIRCUITS. ANDREW H. CANDEE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 7, 1919. Serial No. 295,328. 15 Claims. (Cl. 105—341.)



1. The combination with a plurality of door-operating mechnaisms, of a plurality of similar two-position switching devices respectively located near and remote from one of said mechanisms, and means including said devices for effecting the operation of that mechanism.

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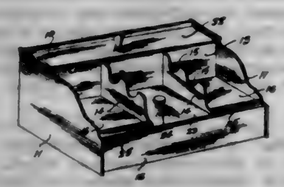
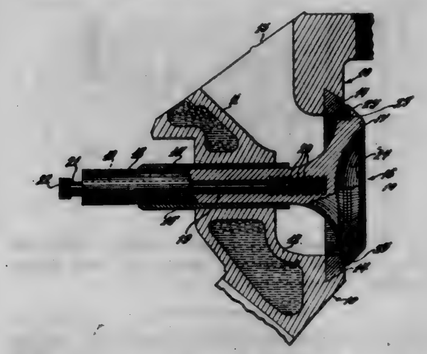
1,557,021. INKSTAND. HARRY CHILINGIRIAN, Bridgeport, Conn. Filed June 23, 1925. Serial No. 39,012. 5 Claims. (Cl. 120—5.)



1. In a device of the character described, walls forming a cabinet having a compartment, a retractable cover for the compartment, means for supporting an ink bottle in the compartment, and means on the cover for closing the bottle.

1,557,022. VALVE AND METHOD OF MAKING SAME. ROLAND CHILTON, Keyport, N. J., assignor to Aeromarine Plane & Motor Company, a Corporation of New York. Filed Nov. 3, 1922. Serial No. 598,872. 6 Claims. (Cl. 128—188.)



1. In a valve, the combination of an inner core of high tensile material having serration thereon, and outer body portion of highly thermally conductive material secured to the inner core by said serrations, and a peripheral portion of high tensile material on said body portion.

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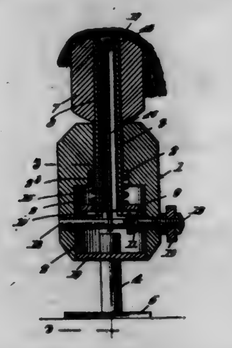
1,557,023. DOLL. HOWARD T. CHINN, Atascadero, Calif. Filed June 10, 1924. Serial No. 719,163. 8 Claims. (Cl. 46—40.)



6. A toy of the class described comprising a body having a bore extending therethrough, a tube mounted to rotate and reciprocate in said bore and having a head fixed to its outer end, a spring mounted to normally retract said tube, and means mounted in said body to engage said tube to project the tube against the tension of the spring, and means on the tube to be engaged by said projecting means to simultaneously turn the tube whereby said head is caused to be raised and lowered and turned.

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1,557,024. DISCONNECTING SWITCH LATCH. LEONARD B. CHUBBUCK, Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 15, 1920. Serial No. 396,576. 1 Claim. (Cl. 200—169.)

A switch comprising a pair of blades, a latch stop connecting the blades at one end and disposed between the blades so as to hold them in spaced relation, contact jaws comprising spaced contact members for receiving the blades, the said blades being provided with a recess adjacent the end of the blade into which an operating tool may be inserted for withdrawing the blade from the jaws, a latch pivoted to the jaws and extending between the blades and provided with a tooth for engaging the said latch stop when the blade is moved into operative engagement with the jaws, a spring

mounted between the contact members and projecting between said blades and engaging the latch for normally holding the latch in operative engagement with the latch stop, the said latch extending across the recess in the blades and adapted to be engaged by the operating tool and withdrawn from engagement with the latch stop when the rod is moved in a direction tending to withdraw the blade from the jaws.

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1,557,025. NICKEL-CHROMIUM ALLOY AND ARTICLES MADE THEREFROM. WILLIAM F. COCHRANE, Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed July 17, 1924. Serial No. 726,462. 13 Claims. (Cl. 75—1.)

1. An alloy which comprises chromium 1% to 5%, nickel, 20% to 40%, and the balance largely copper.

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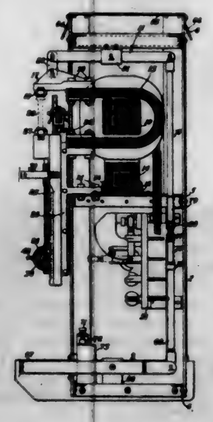
1,557,026. ELECTRIC RIVET HEATER. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 17, 1920. Serial No. 410,863. 8 Claims. (Cl. 219—18.)



1. In a rivet heating machine, the combination comprising means for completing an electric circuit through the rivet to be heated, and means for automatically opening the circuit upon heating of the rivet to a predetermined temperature.



1,557,027. TOASTER-TRAY BUTTON. ORA A. COLBY, Irwin, and CHRISTIAN AALBORG, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 9, 1923. Serial No. 637,751. 6 Claims. (Cl. 53—5.)

1. In a vertical toaster, in combination, a frame comprising stationary side members having relatively narrow, integral, projecting portions, a material-supporting member supported by said projecting portions and having a turning movement relatively thereto, and a member of substantially U-shape secured to said material-supporting member for turning the same.

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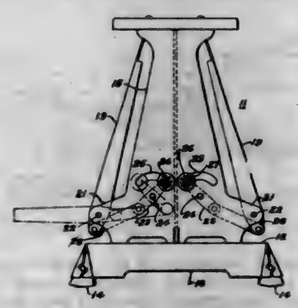
1,557,028. TOASTER HANDLE. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 9, 1923. Serial No. 637,756. 5 Claims. (Cl. 53—5.)



3. In a toaster, the combination with a frame, and a tray pivotally mounted thereon, of an actuating lever for said tray having a floating pivotal mounting on said frame.

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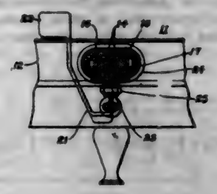
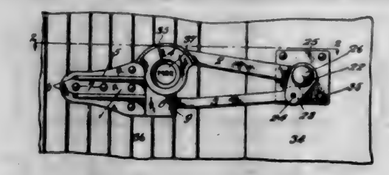
1,557,029. PLUG-TRIPPING DEVICE. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1923. Serial No. 680,401. 3 Claims. (Cl. 219—19.)



1. The combination with an electrically heated device comprising a plurality of contact pins and a contact plug operatively engaging said contact pins, of a manually actuable balanced-pressure plug-removing means pivotally mounted on said device below said contact pins.

1,557,030. SEAL LOCK. ERNEST A. CONAWAY, Little Rock, Ark. Filed Feb. 10, 1925. Serial No. 8,206. 12 Claims. (Cl. 70—28.)



1. A device of the character described comprising a keeper provided with a plurality of bolt receiving apertures, bolts adapted to engage said apertures in superposed relation, and latch mechanism carried by one of said bolts and adapted to lockingly engage the keeper whereby to lock both bolts within the keeper.

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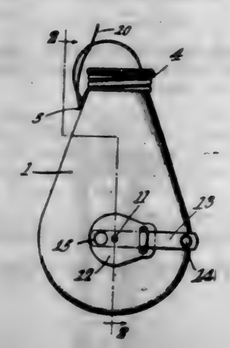
1,557,031. CHALK LINE. ELISHA ASBURY CONWAY, Williamsport, Pa. Filed Oct. 25, 1923. Serial No. 670,738. 1 Claim. (Cl. 33—87.)



A self chalking chalk line means comprising a flat pear-shaped casing having an apertured boss in one face below its transverse median line, the opposed face having a comparatively large opening therein, a cylindrical line carrying reel removably inserted through said opening and mounted in said casing with its outer end provided with a plate projecting radially over the side walls of the reel and closing said casing opening, a removable headed rod extending through said casing and reel, said rod passing through said apertured boss with its head abutting the outer face of the boss and the other end thereof having threaded engagement with said plate so that the reel may be removed for removing said rod, the smaller end of said casing having a threaded neck with a screw threaded cap mounted thereon and provided with an aperture for the passage of a line therethrough, said cap having a line holding clip extending from its edge and contacting with said casing.

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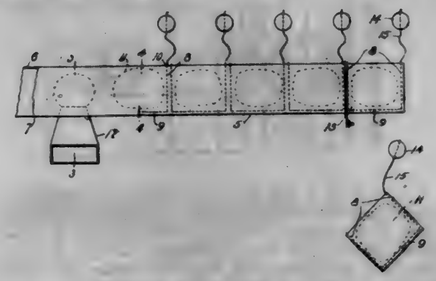
1,557,032. METHOD OF PACKETING TEA OR THE LIKE. SIMON COOPER, Brooklyn, N. Y., assignor to Cooper Tea Packet Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 1, 1921. Serial No. 512,161. 4 Claims. (Cl. 226—53.)

1. That method of making tagged completely closed packets of tea or like material, which consists in folding longitudinally an elongated blank, depositing charges of the material in spaced apart relation between the plies of the blank, running a line of stitching through both plies from the folded edge of the blank at one side

of the charge, around the charge, and back to the fold, extending the stitching thread at one side of the charge beyond the folded edge and free of the blank, and attaching to the extended thread a tag.



3. That method of producing a filled packet which consists in preparing a folded blank of textile material with a charge of filling material contained between the plies of the fold, and running a line of stitching from the folded edge of the blank around the charge of material and back to the folded edge.

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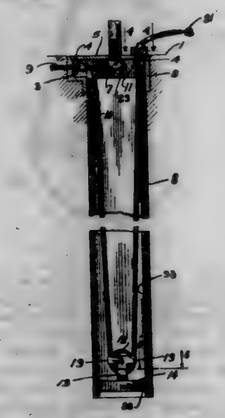
1,557,033. AIR-HOSE PROTECTOR. HAROLD G. DAVIS, Denver, Colo. Filed Feb. 11, 1924. Serial No. 692,060. 1 Claim. (Cl. 299—77.)



An air hose protector comprising a ringlike member of metal having an outwardly projecting pocket in one side thereof, a rabbet along the upper inner edge of said ring and pocket, the wall portion of said pocket having an opening adapted to receive an air pipe, a cover adapted to fit said member and to rest in said rabbeted portion, a casing secured at its upper end to said ringlike member, diametrically opposed guides secured to the inside of said casing, a weight operatively related to said guides, said weight having a diameter substantially like member and a pulley secured to the upper surface linke member and a pulley secured to the upper surface of said weight.

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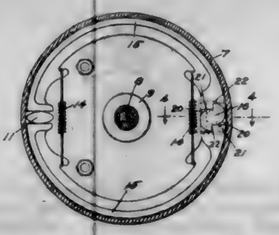
1,557,034. BRAKE. VICTOR DELBOARD, St. Paul, Minn. Filed Apr. 21, 1924. Serial No. 708,093. 2 Claims. (Cl. 188—78.)

1. The combination with a rotatable brake drum and a stationary plate closing the end of the drum, of a pair of oppositely disposed semi-circular brake shoes adapted to frictionally brake against said drum, means at one end of the pair of shoes for spreading the same to effectuate said braking, an adjustable cam member, between the opposite ends of said shoes, having diametrically opposed semi-parabolic cams adapted to respectively engage the adjacent shoe ends, said last mentioned shoe



ends being offset to permit them to be snapped into their original contracted position upon the completion of one semi-circular movement of the cam member from its initial position.

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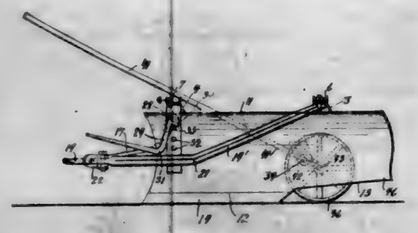
1,557,035. CHECKING IMPLEMENT. WALTER DOST, Yuba City, Calif. Filed May 21, 1923. Serial No. 640,586. 3 Claims. (Cl. 37—56.)



1. A checking implement of the character described, comprising two cooperating elements arranged to force dirt inwardly when dragged forward, a front and a rear bar bridging the same and holding them in spaced relation, and means for attaching the same to a pulling agent comprising a member engaging the pulling agent, two rods loosely connecting the same with the front ends of the two elements, a third rod connecting the same to the rear bar and adjustable means associated with the front bar bearing on the third rod for controlling the height of its front end.

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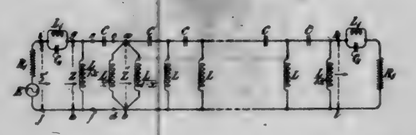
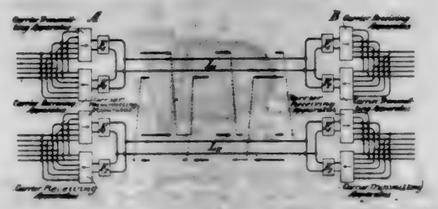
1,557,036. TERMINAL NETWORK FOR HIGH-PASS WAVE FILTERS. HENRY W. ELSASSER, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 24, 1921. Serial No. 455,360. 8 Claims. (Cl. 178—44.)



1. A high-pass wave-filter of the type having recurrent sections in combination with a terminal network comprising inductance and capacity in parallel and simulating the impedance if the corresponding infinite filter.



1,557,037. REDUCTION OF CROSS TALK. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 11, 1922. Serial No. 606,281. 18 Claims. (Cl. 179—15.)



1. In a transmission system in which a plurality of channels transmit in each direction over each of a plurality of lines paralleling each other, the method which consists in filtering out of any channel transmitting in a given direction over any line near end cross-talk induced from all channels transmitting in the opposite direction over an adjacent line.

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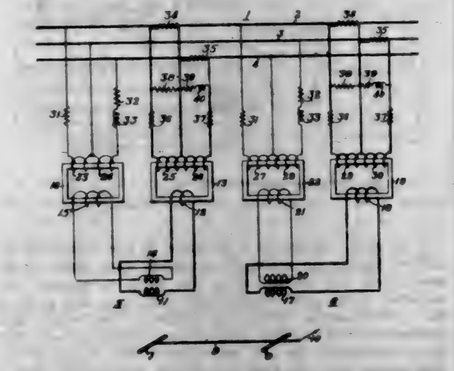
1,557,038. POWER-FACTOR METER. ROBERT D. EVANS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 9, 1920. Serial No. 387,607. 16 Claims. (Cl. 172—245.)



1. A measuring instrument comprising two single-phase power-factor meters operatively connected together, means for actuating one of the meters in accordance with the phase-angular relation between the positive sequence current and voltage and the other meter in accordance with the phase-angular relation between the negative sequence current and voltage.

12. The method of determining the power factor of an unbalanced polyphase circuit which consists in segregating the several sequence systems present in the circuit, measuring the power factors of the several systems and combining the several measurements.

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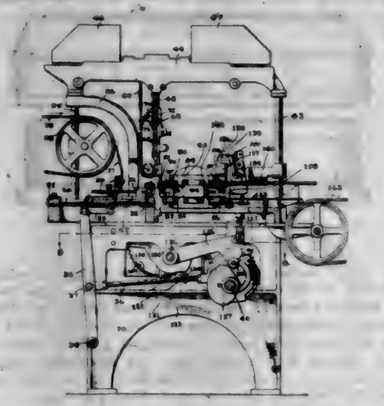
1,557,039. WRAPPING MACHINE. MILFORD B. FERGUSON, Brooklyn, N. Y., assignor of one-half to Edward Haas, Brooklyn, N. Y. Filed Sept. 15, 1921. Serial No. 500,744. 23 Claims. (Cl. 93—2.)

1. In apparatus of the class described, in combination, an intermittently movable work carrier having a plurality of article-receiving means, each comprising a pair of jaws for receiving therebetween an article, driving means for moving said work carrier, means for adjusting the jaws of each article-receiving means on said carrier relatively to one another to accommodate articles of various thicknesses, means for moving an article and a wrapper along a predetermined fixed path into one of said receiving means and between the jaws thereof, and means for adjusting said work carrier with respect to said predetermined path to align the jaws of said receiving means with said path upon a pause in the movement of said carrier, said adjusting means being operable without disturbing the driving means for said work carrier.



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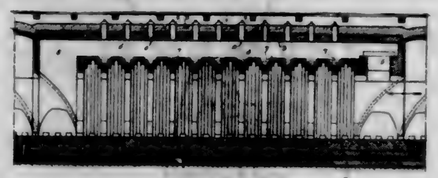
1,557,040. TUNNEL, FURNACE, KILN, OVEN, AND THE LIKE. HENRI FRANCART, Tongres, Belgium. Filed June 24, 1920. Serial No. 391,513. 1 Claim. (Cl. 25—142.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



In a tunnel oven, a jacket oven, a drying oven within the jacket oven and forming therewith a free space for passage of air, said jacket oven having openings therein through which heat insulating material may be applied to the surface of the drying oven.

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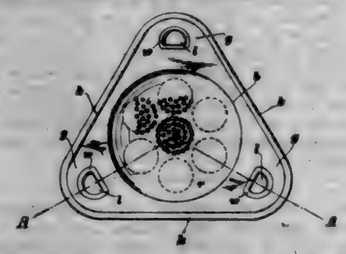
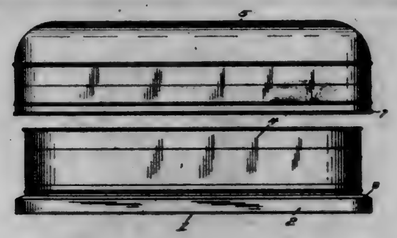
1,557,041. TEA STRAINER. MARTIN FRANK, Gruhnhain, Germany. Filed Mar. 13, 1924. Serial No. 698,971. 1 Claim. (Cl. 210—162.)



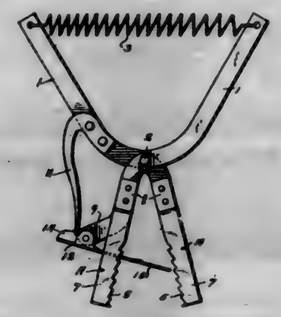
A tea strainer stamped from a blank of sheet metal which has the shape of an equilateral triangle the three corners of which form each a flap which are all situated on one horizontal plane and have each an aperture the edges of which are beaded.

1,557,042. BURIAL CASKET. ROBERT L. FRASER, McCrory, Ark. Filed Dec. 18, 1924. Serial No. 756,687. 1 Claim. (Cl. 27—35.)



A burial casket comprising a base formed of vitreous material, an upstanding wall around the edges thereof and having a beveled top edge, a cover formed of vitreous material conforming in contour to the shape of said base for seating thereon, the bottom edge of said cover being beveled for registry with the upstanding wall of said base, and an integral depending rib on said cover, offset to cover the joint of said cover and base.

1,557,043. TRAP. FREEMONT S. GRAHAM, Orting, Wash. Filed July 12, 1924. Serial No. 725,725. 2 Claims. (Cl. 43—8.8.)

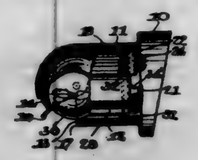


1. A trap of the class described comprising a pair of cross members pivotally connected one to the other, jaws carried by similar ends of the members, the opposite end portions of the members being in divergence, a retractile member interposed between and secured to said opposite end portions of the members, one of said members extending outwardly beyond the adjacent portion of the jaw secured thereto and directed outwardly with respect thereto to provide a relatively short inclined arm, a trigger pivotally engaged with the outer end portion of said arm and provided with a tailpiece having a notch, and an arm carried by the second member at the opposite side of its pivotal connection to engage within the notch of the tail-piece when the jaws are separated to hold said jaws in such separated relation, said trigger substantially bridging the space between the jaws when separated.

1,557,044. NICKEL-COPPER ALLOY. WALTER F. GRAHAM, Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Aug. 28, 1923. Serial No. 659,837. 4 Claims. (Cl. 75—1.)

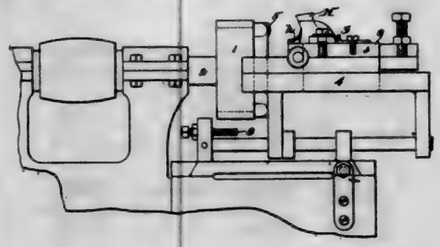
1. An alloy consisting of nickel 30 to 35%, iron 3 to 7%, and the remainder copper, and containing no lead or zinc.

1,557,045. INSTRUMENT LIGHT. RAYMOND W. GRIFFITH and SAMUEL N. HOPE, Milwaukee, Wis., assignors to Griffith-Hope Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 6, 1922. Serial No. 592,891. 4 Claims. (Cl. 240—8.16.)



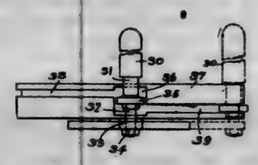
1. An instrument light comprising a horizontally elongated oval-shaped base, a lamp mounted thereon, a correspondingly shaped rounded front hood mounted on the base and enclosing the lamp and provided with a sector-shaped opening in its lower front portion, and a convex shutter pivotally mounted at its ends within the hood and in one position adapted to completely close the opening of the hood and to supplement the rounded front end of the hood.

1,557,046. ART OF WOOD-HEEL MAKING. NICHOLAS L. GULLIFORD, Peabody, Mass., assignor to Gregory & Read Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 21, 1923. Serial No. 658,647. 7 Claims. (Cl. 12—47.)



1. A work holder for a machine of the character described having an abutment engaging that side of the heel where the cutter leaves the work to support the material of the same immediately adjoining thee path of the cutter against the lateral thrust of the latter, said abutment being molded with a heel engaging face that is a counterpart of and conforms to the shape of the side of the heel and having a corner adjacent the breast of the heel coinciding with the corner at the side of the breast of a heel as finished by the cutter.

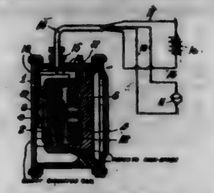
1,557,047. MOTOR REVERSE CONTROL. EMMER F. GWYNN and HARRY H. JAMES, Pittsburgh, Pa. Filed Dec. 24, 1923. Serial No. 682,485. 5 Claims. (Cl. 74—88.)



1. A motor reverse control device comprising a member shaped for attachment to a motor control box for electric elevators, the said member having offset grooves formed therein and having recesses at the end of said grooves, said member also having an opening providing communication between said grooves.

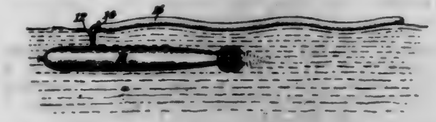


1,557,048. VIBRATION APPARATUS, PARTICULARLY FOR RECEIVING AND PRODUCING SOUND WAVES. WALTER HAHNEMANN, Kitzeberg, near Kiel, Germany, assignor to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Filed Feb. 4, 1921. Serial No. 442,578. 2 Claims. (Cl. 177—386.)



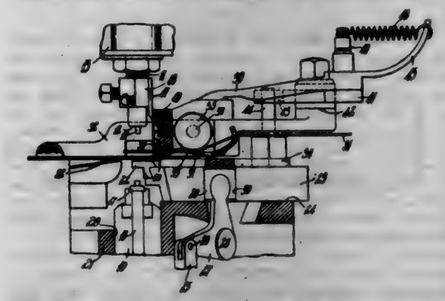
1. A vibration apparatus comprising a magnetic field, an electrical coil adapted to vibrate in the magnetic field and two coupled vibratory structures of substantially the same natural frequency and means for coupling said structures with each other, one of the vibratory structures being adapted to act as a sound radiating member, the electrical coil representing a part of the vibratory structure which is coupled to the sound radiating member, the degree of coupling between the structures being suitably chosen so that the desired vibration frequency of the combined system is located within the range of the coupling frequencies of the system.

1,557,049. ELECTRICAL ANTENNA. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed May 10, 1918. Serial No. 233,763. Renewed Nov. 10, 1922. Serial No. 600,185. 10 Claims. (Cl. 250—33.)



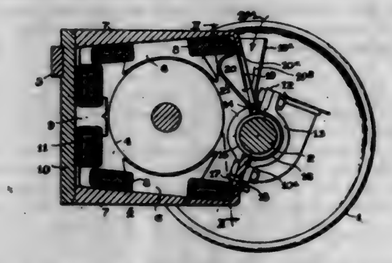
5. The combination of an antenna and yielding buoyant means including a single, continuous flexible casing to support said antenna in close proximity to and substantially parallel with the surface of a body of water whereby said antenna flexes and conforms to the contour of the surface of the water under all conditions.

1,557,050. LACING-STUD-SETTING MACHINE. ARTHUR R. HAVENNER, Wayland, Mass., assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass., a Corporation of Massachusetts. Filed Oct. 25, 1924. Serial No. 745,788. 6 Claims. (Cl. 218—17.11.)



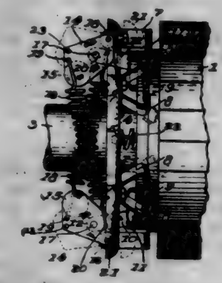
1. A machine for setting a lacing stud in the upper of a boot or shoe and in a reinforcing strip therefor having, in combination, a punch and anvil, a die adapted to cooperate with said punch, mechanism adapted to move said punch and anvil longitudinally thereof toward said die, mechanism adapted to subsequently move said die out of alignment with said punch while said punch is inserted in said upper and reinforcing strip, means adapted to sever said strip from the portion which has been punched, mechanism adapted to move said punch laterally thereof to feed said upper and said severed portion of said strip, and means mounted on said presser foot and operated by said die adapted to impart a step by step feeding movement to said reinforcing strip.

1,557,051. RAILWAY MOTOR. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 24, 1923. Serial No. 670,454. 11 Claims. (Cl. 105—49.)



1. A bipolar railway motor comprising an armature and a field frame, the latter having two main pole members respectively located above and below the armature, means for supporting a railway axle at one side of the frame, means for suspending the frame at the opposite side thereof, and a single commutating pole member located on the suspension side thereof.

1,557,052. SHORT-CIRCUITING DEVICE. WALTER H. HIMES, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 11, 1921. Serial No. 468,703. 12 Claims. (Cl. 172—279.)



4. The combination with a rotor member, of a switch comprising contact elements carried by said rotor member, an axially movable ring-member, adapted to make contact with said contact elements, axially disposed yielding means for forcing said ring-member away from said contact elements, a pair of oppositely disposed, substantially longitudinally extending lever members engaging said ring-member at their inner ends and carrying weights at their outer ends, means carried by said rotor member for pivotally supporting said lever members, and a link member connecting a point on the inner end of one lever member to a point on the outer end of the other lever member.

1,557,053. FOOD PRODUCT. CHARLES W. HOOPER, Jamaica, N. Y. Filed Dec. 10, 1923. Serial No. 679,779. 7 Claims. (Cl. 99—11.)

6. The new food product comprising a dry mixture of food ingredients, one ingredient being finely divided desiccated animal liver, another being desiccated fruit

juice, another being a finely divided infant food carbohydrate and another being dry powdered milk, the mixture having the following characteristics and properties; the mixture is stable and the ingredients do not materially react on one another to change their food value while being kept sealed under ordinary conditions, the mixture is readily miscible with water leaving the ingredients thoroughly distributed there-throughout, the ingredients do not curd or coagulate the milk when so mixed with water and all the ingredients are capable of being assimilated by infants generally without material trouble.

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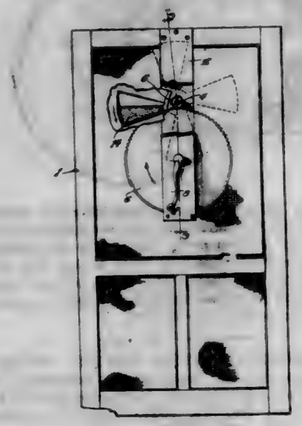
1,557,054. FLYCATCHER. ANNA M. HORNING, Burlington Junction, Mo. Filed May 13, 1925. Serial No. 30,020. 3 Claims. (Cl. 43—110.)



3. A device for the purpose set forth comprising a hub, a plurality of radial arms extending from the hub and having their inner faces provided with marginal reentrant flanges, sheets of insect-holding material covering the inner faces of the several arms and engaged at their edges under said flanges, and means engaged with the said hub for rotatably mounting the same upon a screen door.

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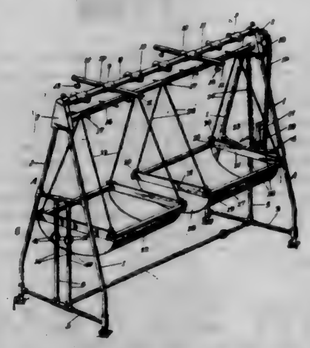
1,557,055. INVALID'S AND CRIPPLE'S BED APPLIANCE. GEORGE W. HOYLE, Santa Rosa, Calif. Filed Mar. 25, 1924. Serial No. 701,707. 7 Claims. (Cl. 5—86.)



1. A bed appliance including a vertical and rigid frame, adapted to straddle a bed lengthwise thereof, a plurality of body supporting elements arranged between the end members of the frame, means supporting one of said elements in a manner to enable the same to be raised and lowered at will, and means supporting the other element from the frame in a manner to enable the transverse position of the same relative to the other element to be altered at will while enabling both elements to be raised and lowered in common.

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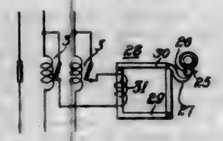
1,557,056. STARTING SAFETY SWITCH. OLIVER S. JENNINGS, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 7, 1920. Serial No. 371,926. 6 Claims. (Cl. 175—294.)



1. The combination with a casing having a door therefor, of a snap switch, latching means for maintaining the switch in the desired position, means operable from without the casing and responsive to low voltage and to overload for actuating the latching means, and interlocking means for precluding any operation of the switch when the door is open and for precluding the opening of the door when the switch is closed.

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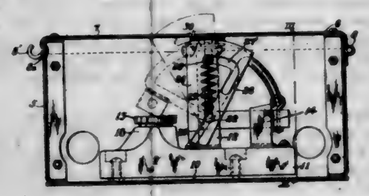
1,557,057. SAFETY SWITCH. OLIVER S. JENNINGS, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 8, 1920. Serial No. 408,879. 8 Claims. (Cl. 200—50.)



1. A switch mechanism comprising a housing having an opening therein, a movable cover for closing the opening, a movable switch within the housing, a rotatable operating lever for moving the switch to open and to closed positions, and a latching member for the cover mounted for rotation about the axis of rotation of the operating lever and rotatable with the operating lever for preventing movement of the operating lever to closed position so long as the cover is in open position, and movable by the cover into a position permitting closing movement of the operating lever when the cover is in closed position.

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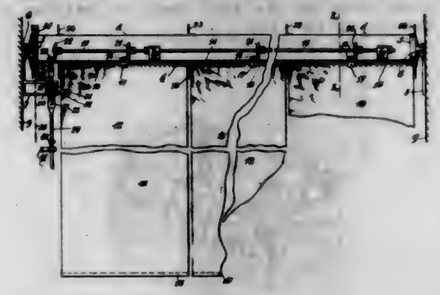
1,557,058. SHADE ROLLER. VALDEMAR JOHANSEN, Brooklyn, N. Y., assignor to Knud Murck and Thomas J. Gilmour, both of New York, N. Y., and himself. Filed Nov. 13, 1924. Serial No. 749,611. 8 Claims. (Cl. 156—44.)

1. The combination of supporting brackets, a hollow roller mounted therein a plurality of shades pivoted to said roller, means within the roller for adjusting said shades in angular relation to the roller, operating means for said adjusting means, mechanism for clutching and





unclutching the operating means from said adjusting means and mechanism for operating the said roller to raise and lower the said shades.

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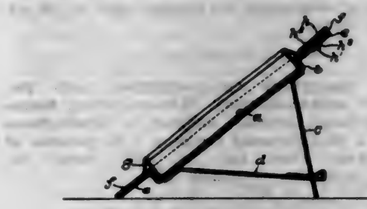
1,557,059. COMMODITY-DISPLAY DEVICE. CLARENCE P. JOHNSON, Lexington, Mass. Filed Jan. 20, 1921. Serial No. 438,654. 2 Claims. (Cl. 211—28.)



1. In a commodity display device, a commodity carrier having an open end through which commodities or a commodity tray may be inserted edgewise therein, said commodity carrier having side and end bounding walls, and one or more of said walls being cut away to form an opening at one or more corners thereof to facilitate access to the contents.

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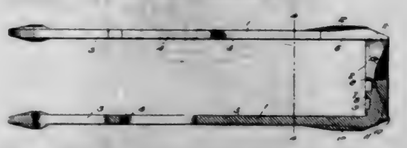
1,557,060. DRAFT YOKE. BYRNE W. KADEL, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Aug. 2, 1922. Serial No. 579,266. 9 Claims. (Cl. 213—67.)



1. A draft yoke adapted at its forward end to be connected to a car coupler and having a rear end adapted to engage a draft rigging back-stop, said yoke involving a U-shaped portion providing spaced parallel arms connected at their rear ends and adapted to receive a cushioning unit between them, and a plurality of flanges integrally united to said U-shaped portion and projecting forwardly from the rear end thereof between said arms, the forward ends of said flanges terminating in a common plane and forming forwardly opening recesses and being adapted to engage said cushioning unit.

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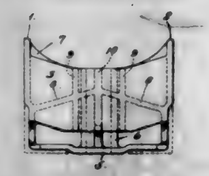
1,557,061. BACKSTOP. BYRNE W. KADEL, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Nov. 30, 1923. Serial No. 677,731. 6 Claims. (Cl. 213—57.)



1. A backstop casting for railway draft rigging involving spaced side walls having a plurality of openings therein, said walls being united at their front ends by a transverse wall forming a buffing web, a floor portion uniting the said walls, the front edge of said floor portion being spaced rearwardly from the buffing web and disposed below the lower edge thereof to proportion uniting the said walls, the front edge of said openings in the forward lower portion of the side walls, and a plurality of longitudinally disposed substantially parallel reinforcing flanges for said buffing web, said flanges being spaced from the side walls and floor portion.

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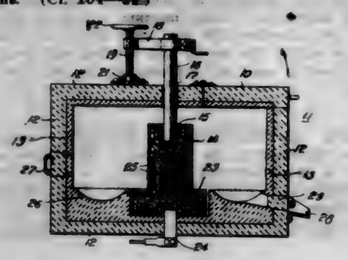
1,557,062. ELECTRIC FURNACE. ALVIN D. KEENE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 18, 1923. Serial No. 658,031. 3 Claims. (Cl. 204—64.)



2. In an electrically heated device, in combination, a heating element comprising a formed block of carbonaceous material having an opening therein, an electrode co-operating with said block to produce an arc located in the opening in said block and a resistor member comprising a plurality of refractory electric-conducting members operatively engaging said block and connected in series circuit relation to said arc.

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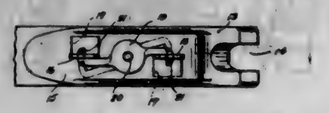
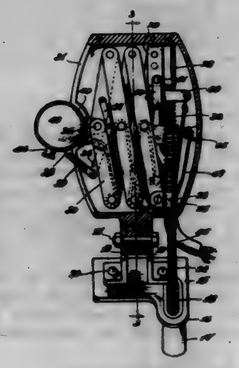
1,557,063. DETACHABLE EAR FOR TRANSMISSION BANDS. EDWARD F. KELLEY, Bridgeport, Conn., assignor to The Raybestos Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 28, 1924. Serial No. 734,657. 7 Claims. (Cl. 188—249.)



5. A transmission or brake band comprising a curved strip of metal having a pair of spaced outwardly extending lugs having transverse openings, an ear having openings to receive said lugs, and a catch pivoted to the ear between said openings and provided with lateral extensions at the opposite ends thereof to extend into the openings in the lugs.

1,557,064. COMBINED PARKING LIGHT AND TRAFFIC SIGNAL. ALEXANDER KERR, La Crosse, Wis., assignor of one-half to A. Rim, jr., La Crosse, Wis. Filed Oct. 3, 1923. Serial No. 666,327. 9 Claims. (Cl. 116—40.)



1. A traffic signal including a casing having a seat, a signal arm mounted in the casing and extensible to project therefrom, a lamp housing carried by said arm, means for extending the arm, and means for collapsing the arm within the casing and shifting said lamp housing to rest in said seat exposed at the exterior of the casing.

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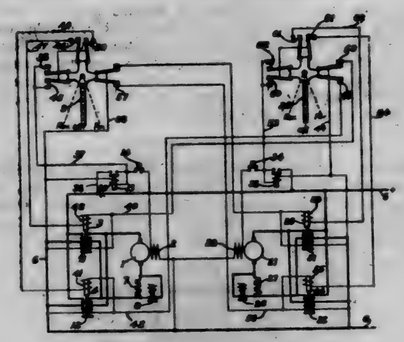
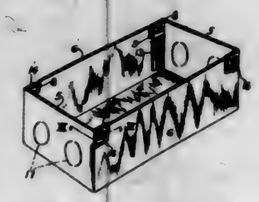
1,557,065. MOTOR-CONTROL SYSTEM. GEORGE E. KING, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 8, 1923. Serial No. 617,735. 5 Claims. (Cl. 172—179.)



1. The combination with a plurality of motors and controlling means therefor, of means for effecting the simultaneous operation of the motors, each in a given direction, and means for preventing reversal of one motor prior to reversal of another.

1,557,066. BOX STRUCTURE. HUBERT K. KRAUTZ, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 14, 1921. Serial No. 444,779. 5 Claims. (Cl. 220—76.)



1. A box-corner interlock for two angularly disposed wall members, one of which is provided with a counter-sunk portion, comprising a divided flange on the other wall member disposed at an angle thereto, said flange having a division thereof overlapping the counter-sunk portion of the adjacent wall member and another division thereof overlapping the opposite side of the adjacent wall member.

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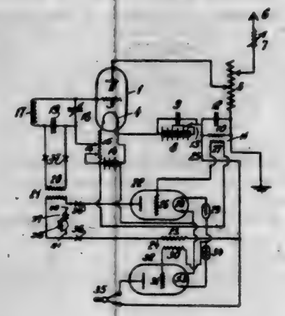
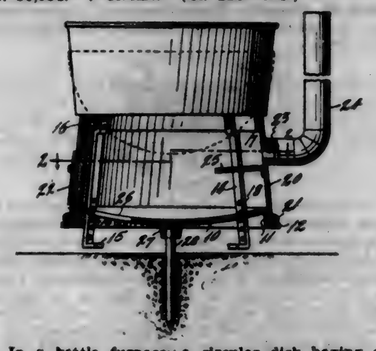
1,557,067. COMBINED TRANSMITTING AND RECEIVING ARRANGEMENT. LUDWIG KÜHN, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 26, 1921. Serial No. 495,739. 4 Claims. (Cl. 250—13.)



1. In a radio communication system, an antenna, a vacuum tube, circuits associated with said tube to cause it to function as both an oscillator and a detector, said associated circuits including a coupling to the antenna, a grid circuit and a circuit coupled to the antenna and to the grid circuit, an amplifier in said coupled circuit, an indicating device associated with said coupled circuit, and switching means for opening said coupled circuit, whereby when said coupled circuit is closed, signals may be received by heterodyne reception and when said switching means are open, said vacuum tube may function as a transmitter of continuous waves.



1,557,068. KETTLE FURNACE. WILLIAM A. LEE, Ector, Tex., assignor of one-half to William L. Mangrum, Whitewright, Tex. Filed May 18, 1925. Serial No. 30,994. 7 Claims. (Cl. 126—345.)



6. In a kettle furnace, a circular disk having a depending apron provided with an outwardly directed flange, frame bars extending through the disk, bolts securing the bars to the apron, a band fastened to the upper ends of the bars, and a jacket surrounding the bars and apron and resting on the flange.

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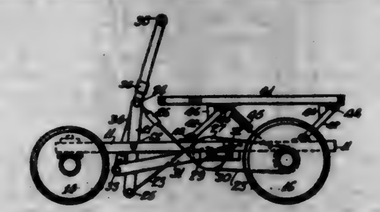
1,557,069. MECHANICAL MOTION. MATTHEW H. LOUGHRIDGE, Bogota, N. J., assignor of one-half to Harry W. Dyer, New York, N. Y. Filed May 14, 1923. Serial No. 638,771. 29 Claims. (Cl. 74—53.)



6. In a system for converting reciprocating motion into rotary motion, the combination of a rocker, a driven pulley, an idler pulley, a belt operatively connecting said pulleys with both ends of said rocker and means independent of said belt for changing the position of said idler pulley as said rocker changes its direction of movement.

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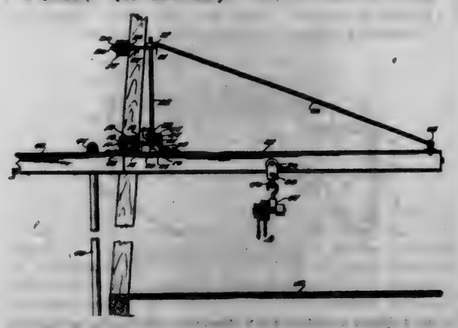
1,557,070. TRAVELING HOIST. ALVIN R. LOGUE, Tulsa, Okla. Filed May 5, 1924. Serial No. 711,174. 2 Claims. (Cl. 104—92.)



1. In a traveling hoist, spaced brackets, a bearing carried by one of said brackets, a rotatable shaft carried by the brackets and provided with a bearing to confront said first mentioned bearing, anti-friction devices interposed between said bearings sustaining the shaft for free rotation, and a boom swingingly supported by said shaft.

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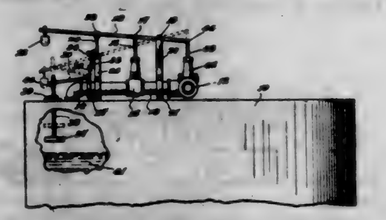
1,557,071. AUTOMATIC REGULATING DEVICE FOR TANKS. ROBERT W. MCMULLEN, Bristow, Okla. Filed Feb. 12, 1925. Serial No. 8,748. 4 Claims. (Cl. 137—68.)



1. In a construction of the character described, a main pipe, a branch pipe leading from said main pipe, a valve in said main pipe having an operating stem extending transversely out of the pipe, a valve in said branch pipe having an operating stem extending transversely out of the pipe, a fulcrum carried by said branch pipe between its valve and said main pipe, a lever pivoted to said fulcrum and extending longitudinally of the branch pipe and pivotally connected with the stems of said valves, float controlled means for releasably securing said lever in a set position with one valve closed and the other open, and means for imparting movement to said lever to reverse the positions of the valves when the lever is released.

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1,557,072. MOLDING FLASK. JAMES R. MCWANE, Birmingham, Ala. Original application filed May 12, 1923, Serial No. 638,639. Divided and this application filed Aug. 25, 1924. Serial No. 734,002. 4 Claims. (Cl. 22—96.)

1. A flask section having two pairs of alined trunnions, one pair being longer than the other.

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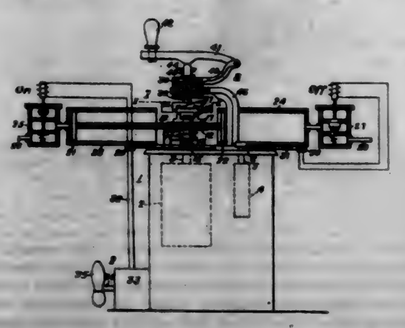
1,557,073. CONTROL APPARATUS. JOHN S. MCWHIRTER, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 9, 1919. Serial No. 302,665. 22 Claims. (Cl. 200—17.)



8. The combination with a movable control member, of means operable to effect manual actuation of the control member, means adapted to effect power actuation

of the control member and means cooperative to maintain continuously connection between either of said actuating means and the control member.

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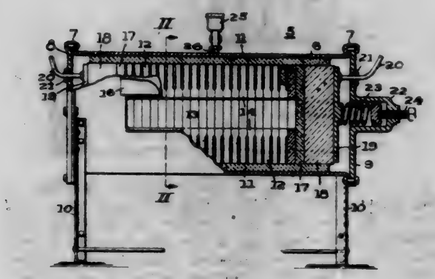
1,557,074. ELECTRIC RIVET FURNACE. ALLIS M. MACFARLAND, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 3, 1921. Serial No. 489,428. 6 Claims. (Cl. 204—64.)



1. An electric furnace comprising a plurality of relatively thin refractory resistor members having substantially radial slots therein to form a furnace chamber.

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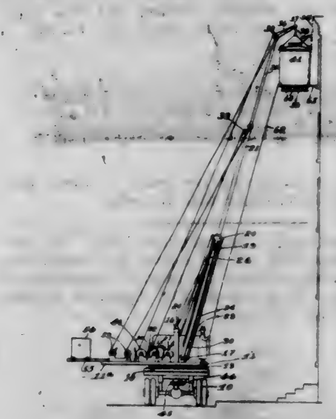
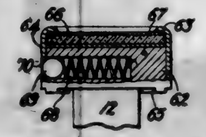
1,557,075. FIRE APPARATUS. JOHN W. MACLEOD, Brooklyn, N. Y. Filed Jan. 17, 1925. Serial No. 2,972. 12 Claims. (Cl. 227—20.)



1. An apparatus of the class described comprising a motor vehicle, a platform revolubly mounted thereon, a beam mounted in connection with said platform and movable therewith, said beam being composed of extensible parts, a lift member adapted to be normally supported on said vehicle and to be raised and lowered with reference to a predetermined structure and capable of movement toward and from said structure, the elevation of said lift member being governed by said beam, means for actuating said member, means for actuating said beam and the parts thereof both of said actuating means being in operative connection with the motor of the vehicle.

1,557,076. TYPEWRITING MACHINE. CHARLES T. MILLER, Jr., Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Original application filed Jan. 31, 1920, Serial No. 355,449. Divided and this application filed Nov. 9, 1922. Serial No. 599,751. 3 Claims. (Cl. 197—104.)



1. In combination, a typewriter-key having a fixed head bearing a plurality of different characters, a transparent disk, a shutter having an aperture to disclose one character and obscure the others, a flanged shutter-rotating key-cap rotatable about the head and formed of a single piece and having ears to retain the cap on the head without interfering with the rotation thereof, and detent means for the cap including perforations through the side wall of the cap and co-operative with a spring-pressed detent carried by the head and timed to the separate disclosure of each character, and too large to protrude through the perforations.

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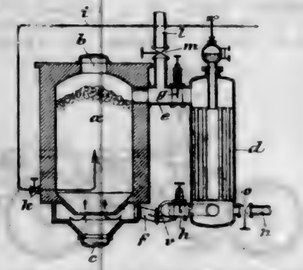
1,557,077. COKE-COOLING APPARATUS. ARNOLD MORTELI, Oberwinterthur, Switzerland. Filed Dec. 28, 1921. Serial No. 525,518. 1 Claim. (Cl. 202—11.)



A plant for dry cooling coke comprising in combination a cooling chamber, a steam boiler connected therewith, a valved means for introducing steam from the boiler into the chamber, a valved means for drawing off water-gas and valved means for circulating a cooling gas through the chamber and then through the boiler.

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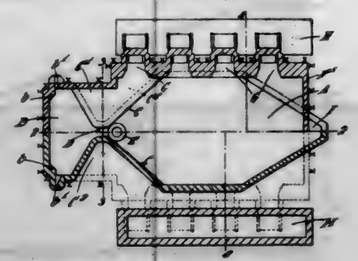
1,557,078. GLASS-MELTING FURNACE. THOMAS COURTNEY MOORSHEAD, Strand, London, England, assignor of one-half to the United Glass Bottle Manufacturers Limited, Strand, London, England, a British Company. Filed Oct. 15, 1924. Serial No. 743,684. 4 Claims. (Cl. 49—56.)



1. A glass melting tank furnace comprising a melting compartment, a working compartment, a bridge wall separating said melting compartment from said working compartment, the sides of said bridge wall being so disposed relatively to both the working and melting compartments as to avoid right angled corners in which dormant glass can collect, and the other boundary walls of said melting compartments being also so formed as to avoid right angled corners.



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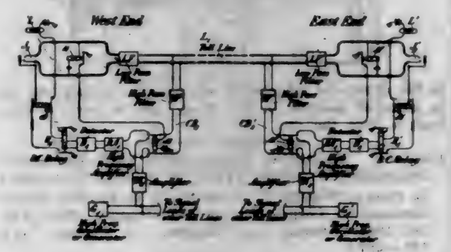
1,557,079. TELEPHONE SIGNALING EQUIPMENT. LYMAN F. MOREHOUSE, Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 16, 1919. Serial No. 324,140. 6 Claims. (Cl. 179—15.)



1. In a signaling system, a low frequency telephone transmission line, a plurality of carrier channels associated therewith for the transmission of frequencies without the voice range, and means whereby, when the operator initiates a supervisory signal of one character alternating carrier currents will be transmitted over said line through one of said channels and when the operator initiates a supervisory signal of another character, carrier currents will be transmitted over said line through another channel.

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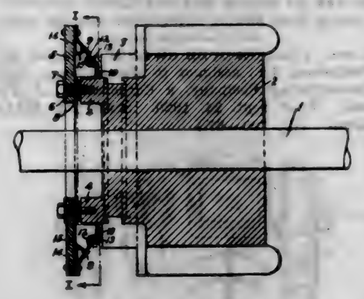
1,557,080. SHORT-CIRCUITING DEVICE. HENRY D. MURDOCK, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 19, 1922. Serial No. 562,077. 10 Claims. (Cl. 172—270.)



1. A short-circuiting device comprising a short-circuited member adapted to be fixedly secured to the rotor member of a dynamo-electric machine, and a plurality of resilient contact members carried by said short-circuited member and having a free end projecting obliquely, inwardly toward the axis of the rotor member, said contact members being arranged to swing outwardly under centrifugal action for engagement with the commutator segments of said machine.

1,557,081. HAND AND RIFLE GRENADE AND FUSE THEREFOR. HENRY NEWTON, Derby, England. Filed Nov. 17, 1917. Serial No. 202,474. 4 Claims. (Cl. 102—29.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

2. In a projectile, grenade, fuse or the like, an unmachined hollow body of cast metal, a sheet metal cap having apertures therein, lugs upon said body upon which the apertures of the cap are adapted to fit to secure the cap removably upon said body, a striker pin carried by said cap and firing means comprising a standard blank rifle cartridge adapted to co-operate with said striker pin.

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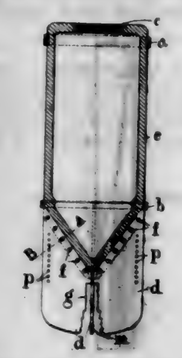
1,557,082. SHELL AND BOMB. HENRY NEWTON, Darley, near Derby, England. Filed Sept. 1, 1921. Serial No. 497,511. 16 Claims. (Cl. 102—29.)



14. A projectile comprising a body, tail fins attached to said body at an angle to each other and having a cut-away and recessed portion at the end of their line of intersection, and a striker adapted to spring into said recessed portion.

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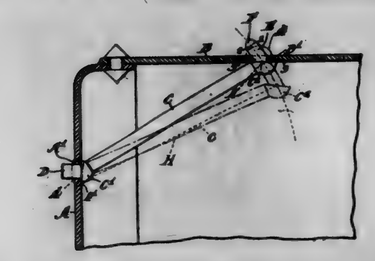
1,557,083. ARTIFICIAL BAIT. ERNEST HILARY PECKINPAUGH, Chattanooga, Tenn. Filed Feb. 6, 1923. Serial No. 617,319. 7 Claims. (Cl. 43—42.)

1. An artificial bait comprising, in combination, a hook, a body united to the shank of the hook, feathers tied to the hook shank adjacent one end of the body, a flexible fibrous element wound closely about the body and extended beyond the body and also about the feather tie, and waterproof enamel applied to said wrapping whereby the feather tie is protected from the water.

1,557,084. DIAGONAL STAY. JOHN PETTY, Lebanon, Pa. Filed Nov. 21, 1923. Serial No. 676,199. 5 Claims. (Cl. 85—1.5.)



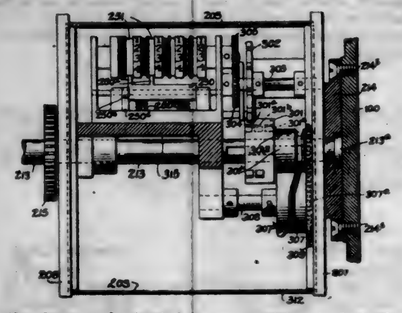
1. A diagonal stay having at one end a head adapted to lie against one of the plates to be connected and a rivet extension projecting from said head and adapted to extend into a rivet hole in the plate, said stay having at its other end means for securing it to the other plate to be connected.

1,557,085. DAYLIGHT PLATE CHANGER. FRANZ FILLER, Munich, Germany. Filed Oct. 10, 1923. Serial No. 667,624. 3 Claims. (Cl. 95—30.)

1. A daylight changer for plates or films comprising in combination a cardboard case for the plate pack having double guide folds, a protecting case guided in said double folds, a plate holder of angular cross section adjustably mounted in the upper end of the protecting case and designed to engage with the front plate in the pack when said protecting case is in the lowered position, curved blade springs on the side walls of the cardboard case for pushing the front plate of the pack backward when the same has been lifted by the holder, and rearwardly projecting bars pivotally mounted on the side walls of the cardboard case and designed to guide the plate lifted by the holder to the rear part of the case when the protecting case is being pushed down over the cardboard case.

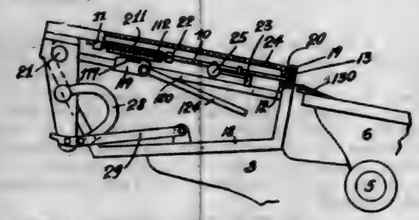
1,557,086. MULTIPLE DIE FOR POSTAGE METERS, ETC. ARTHUR H. PITNEY, Stamford, Conn., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Original application filed June 19, 1923, Serial No. 646,443. Divided and this application filed Aug. 24, 1923. Serial No. 659,237. 17 Claims. (Cl. 101—91.)

1. In a machine of the character specified, a rotatable drum, a multiple faced die mounted on said drum adapted to have any of its faces brought to printing position on the drum, a slidable plate and a slidable bolt mounted



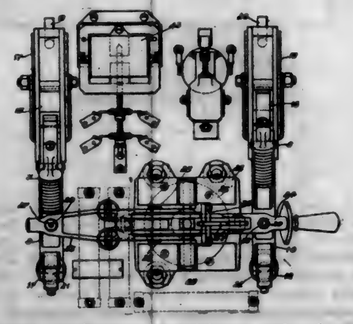
in the drum and adapted in one position to lock the die in adjusted position in the drum, and in another position to free the die.

1,557,087. GRIPPING MECHANISM FOR PRINTING PRESSES. S HAINES PLUM, 2d, Madison, and PERCY L. SIBOLE, Newark, N. J., assignors to Keymax Feeder Company, a Corporation of New Jersey. Filed Aug. 30, 1924. Serial No. 735,059. 3 Claims. (Cl. 101—287.)



3. The combination with a press, of a gripping mechanism of the character described comprising supporting means, means for operating the gripping mechanism thereon, a spring actuated bolt for automatically locking the said supporting means and gripping mechanism to the press while said mechanism is being operated and a device for moving the gripping mechanism into a predetermined inoperative position on the said supporting means and for moving said bolt against the force of its said spring from locking engagement with the said press.

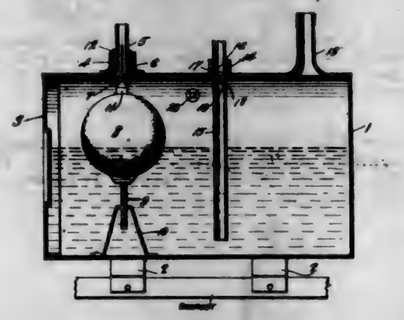
1,557,088. CHANGE-OVER SWITCH. ERNEST K. READ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 24, 1920. Serial No. 412,543. 6 Claims. (Cl. 200—87.)



1. Switch mechanism comprising a pair of separate switch members, means normally tending to move the switch members to closed position, latch means for holding one of the switch members in open position and means for tripping the latch to release the said switch member after the other switch member has been moved to open position.

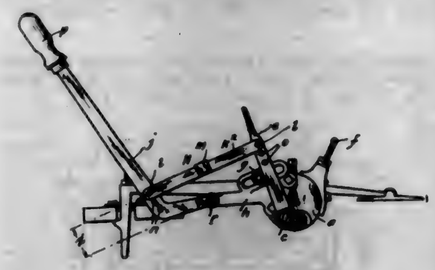


1,557,089. ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. JAMES A. REASONER, Athens, Ohio. Filed July 19, 1921. Serial No. 485,998. 1 Claim. (Cl. 137—104.)



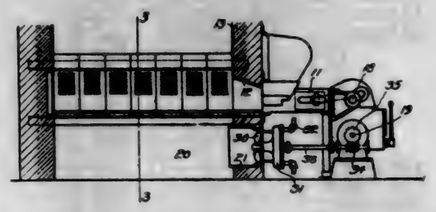
In an attachment for internal combustion engines, a liquid container having an upstanding internally threaded flange at the top thereof, a nipple having threaded engagement with said flange intermediate its ends and provided with a tapered valve seat at its lower end within the container, a float in said container, a tapered valve head rigid with the top of the float and adapted to close upon the seat of the nipple when the liquid in the container reaches a predetermined level, a stem rigid with and extending upwardly from said valve head and protruding into the nipple to guide the valve head into its seat, a bracket rigidly mounted below the float and having an opening, said float having a second stem rigid therewith and depending therefrom and slidably extending through the opening of said bracket to guide said float.

1,557,090. SAW SWAGE. JERRY RICKER, Enterprise, Oreg. Filed Sept. 7, 1922. Serial No. 586,635. 6 Claims. (Cl. 76—54.)



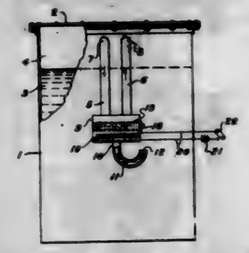
1. In a saw swage of the character described, a head carrying a fixed anvil and a rotatable die co-acting therewith, an arm carried by the die, a bracket provided on the head, an L-shaped lever provided with a long arm and a short arm, the extremity of the latter pivoted to said bracket, a link connecting the long arm of said L-shaped lever adjacent the juncture of the short arm of the latter, with the arm of said die, said link being adjustable so as to vary the force transmitted by said L-shaped lever to said die arm, the devices being adapted to form a compound lever.

1,557,091. STOKER-DRIVING MECHANISM. ROBERT SANFORD RILEY, Worcester, Mass., assignor to Sanford Riley Stoker Company, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 22, 1922. Serial No. 556,013. 1 Claim. (Cl. 110—44.)



An underfeed stoker having, in combination, a front wall with air and fuel openings therein, a retort extending rearward from the front wall of said stoker, a ram to feed coal through the fuel opening in said wall to said retort, a crank shaft, connections between said crank shaft and said ram for driving the ram, a motor mounted forward of the air opening in the wall, a shaft for said motor, the rear end of said shaft extending into said air opening, a fan driven by said motor, mounted on said end of the shaft, in said opening, the motor shaft also extending forwardly of the motor, a speed reducing connection between said forwardly extending motor shaft and said crank shaft, said connections including a worm and worm wheel and providing a slow powerful feeding movement of the crank shaft and ram.

1,557,092. DEOXYGENATION OF INCLOSED ATMOSPHERE. CLARENCE J. RODMAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 23, 1922. Serial No. 608,798. 10 Claims. (Cl. 252—1.)

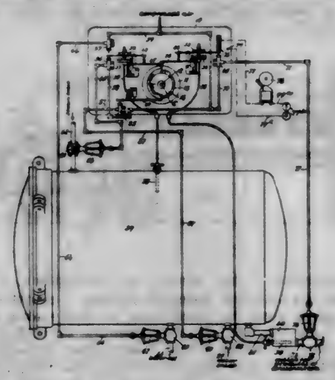


1. Means for removing reactive gases and vapors from an atmosphere containing the same, which comprises a mixture of a metal capable of reacting with oxygen and an inert material, a protective coating over said mixture and means for holding said mixture and inert material in proper relation.

1,557,093. CONTROLLING DEVICE. ALFRED ROESCH, Brooklyn, N. Y., assignor to Charles J. Tagliabue Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Feb. 21, 1920. Serial No. 360,470. 15 Claims. (Cl. 236—46.)

1. The combination of an element in which the internal conditions are to be controlled, means for regulating the flow to said element, of a fluid whereby changes in said internal conditions are effected, actuating means for actuating said regulating means in a predetermined manner to produce corresponding changes of internal conditions in said element, means for regulating the discharge from said element of a medium resultant from physical changes in said fluid, actuating means controlled

by the medium to be discharged for actuating said discharge regulating means in a predetermined manner bearing a fixed relation to the operative actuation of said



first named regulating means and time controlled mechanism common to both of said actuating means whereby the latter are operated to perform their predetermined functions in a given period of time.

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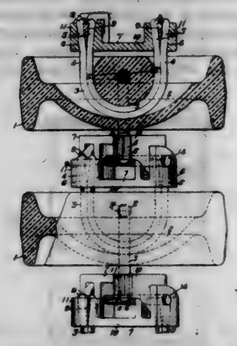
1,557,094. INSULATOR CONNECTER. EDWARD E. ROSE, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 13, 1919. Serial No. 323,607. 8 Claims. (Cl. 173—366.)



1. An insulator connecter comprising a member extending transversely of the longitudinal axis of the insulator and having an eye portion at one end and a clevis portion at the other end for co-operation, respectively, with the clevis and eye portions of a similar member, said members also having tapered longitudinal openings therein laterally offset from said eye-and-clevis portions, a pin disposed between said tapered openings for co-operation with the eye-and-clevis portions, a U-shaped longitudinally halved member of rounded cross-sectional area having its ends in said tapered openings and wedges spreading the halves of each of said ends in said openings, the extreme ends of said halves being bent inwardly over the larger ends of the wedges.

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1,557,095. RAIL BRACE. EDWARD B. RUTLEDGE, Smithfield, Nebr. Filed May 12, 1924. Serial No. 712,674. 1 Claim. (Cl. 238—51.)

A rail brace of the character described comprising a pair of tie rods, a turn buckle connecting the said tie rods, angular rail embracing jaws formed upon the outer extremities of the said tie rods, U-shaped straps formed on the intermediate portions of the tie rods, extension lugs formed on the said tie rods, a pair of removable clamps adapted to be inserted beneath the U-shaped

straps to engage the inner side of the rails, means for securing the removable clamps upon the tie rods, and a pair of U-shaped retaining clamps adapted to embrace the outer retaining jaws.

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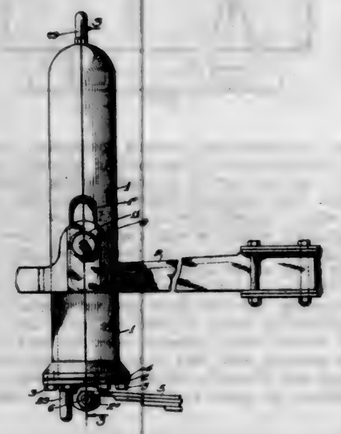
1,557,096. SHOCK ABSORBER FOR VEHICLE SPRINGS. FRANK W. RYAN, San Diego, Calif. Filed June 11, 1923. Serial No. 644,668. 14 Claims. (Cl. 267—65.)



13. A shock absorber, including a casing with opposed air chambers therein, a bucket type piston with a passage from end to end reciprocally mounted therein intermediate said chambers, means for supporting said casing, and means on which said piston is supported.

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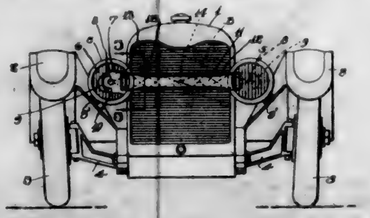
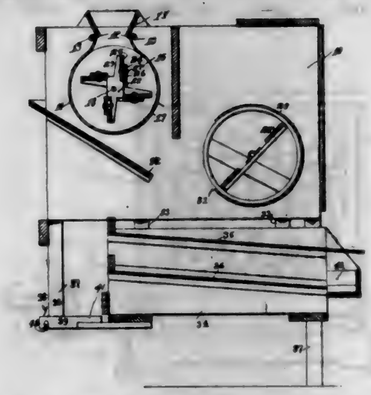
1,557,097. DUPLEX HEADLIGHT. EDWARD RAYMOND SAGER, Seattle, Wash. Filed May 10, 1924. Serial No. 712,349. 2 Claims. (Cl. 240—41.)



1. In a lighting system for vehicles, headlights, reflectors therefor, sources of illumination within the headlights, and a tubular member arranged between the headlights, said tubular member being closed throughout its length and the head lights and reflectors therein being formed with openings through which the source of illumination in said head lights may reach the interior of the tubular member.



1,557,098. PEANUT SHELLER. SAMUEL N. SCARBOROUGH, Henderson, Tex. Filed Apr. 24, 1924. Serial No. 708,761. 2 Claims. (Cl. 130—30.)



1. In a peanut sheller, the combination with a housing, of disks mounted on the housing, a drum comprising a metal sheet having openings therein and engaged with its marginal edge portions around said disks and having its ends in closedly spaced parallel relation, and means removably engaged through the housing and removably engaged through said sheet ends whereby said drum is removable and reversible.

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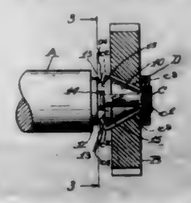
1,557,099. SHAFT AND DETACHABLE GEAR. WILLIAM H. SCHULZE, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Nov. 21, 1924. Serial No. 751,300. 2 Claims. (Cl. 287—53.)



1. In combination, a shaft, a detachable gear and an attaching device, the shaft having a tapered gear centering terminal seat for the gear and having back of said terminal a rearwardly facing shoulder, the gear having a conical central aperture whose taper corresponds to the tapered centering terminal of the shaft, the securing device comprising a plural pronged spring clip being adapted to be snapped over the tapered terminal of the shaft and engaged by the hooked ends of its prongs behind said rearwardly facing shoulder, said clip having a threaded hub and a nut adapted to engage the threaded hub and seat against the outer face of the gear for crowding the gear onto the tapered seat and clamping the prongs between said seat and the gear.

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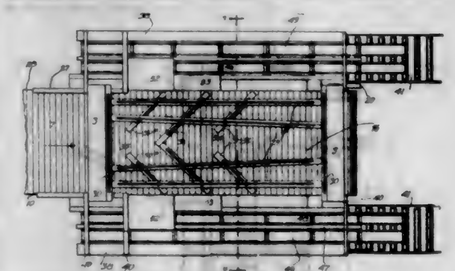
1,557,100. PRODUCE CLEANING, DISTRIBUTING, SORTING, AND PACKING MACHINE. FRANK W. SHIELDS, Walla Walla, Wash., assignor to Valley Fruit Company Incorporated, Walla Walla, Wash., a Corporation of Washington. Filed Dec. 6, 1923. Serial No. 678,893. 2 Claims. (Cl. 130—32.)

1. In a produce cleaning, distributing, sorting and packing machine, the combination with a frame, a cleaning and distributing table operably mounted in said frame, and means to operate said table, of slotted adjusting bars adjustably attached to said frame, and distributing and sorting gates adjustably attached to said bars, through said slots, and in operable contiguity with said table.



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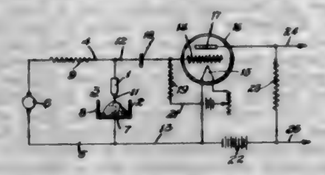
1,557,101. SOUND-WAVE TRANSLATING DEVICE. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 28, 1922. Serial No. 597,568. 13 Claims. (Cl. 179—121.)



11. In a sound-translating device, a chain of conductive particles exposed intermediate its ends to sound waves and means responsive to the changes of an electrical characteristic of said chain for delivering energy corresponding to the sound.

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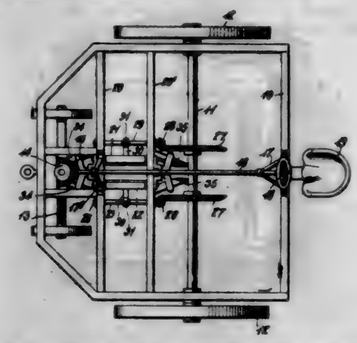
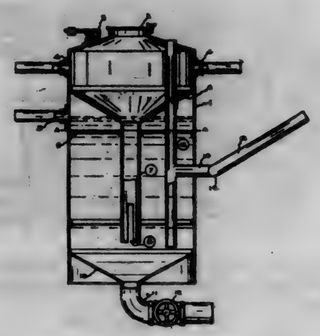
1,557,102. COTTON CHOPPER. CHARLIE J. SMITH, McKinney, Tex. Filed Oct. 26, 1923. Serial No. 670,948. 2 Claims. (Cl. 97—13.)



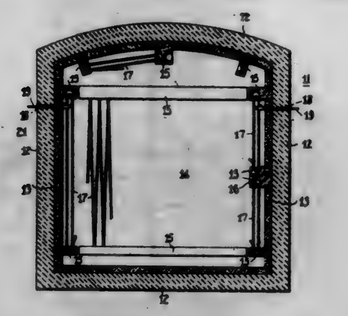
1. In a cotton chopper, a wheel frame, a drive shaft therein, a pair of spaced apart, short crank shafts journaled in said frame and geared to the said drive shaft, a pair of cutters pivoted to the frame and depending downwardly therefrom, said cutters being arranged in the space between the said crank shafts, and an operating connection between the said crank shafts and the said pivoted cutters for causing the latter to be alternately brought together and separated.

1,557,103. OIL SEPARATOR. WILLIS B. SMITH, Burkburnett, Tex. Filed June 6, 1923. Serial No. 643,680. 1 Claim. (Cl. 210—50.)



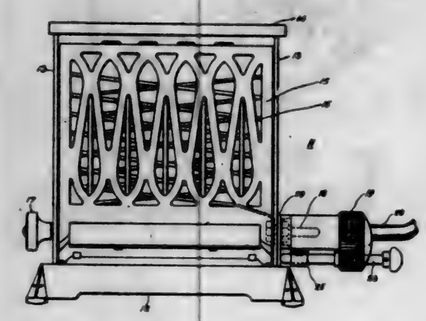
A separator of the character described comprising a cylindrical tank having an opening arranged in the top thereof, a closure therefore, a funnel positioned within the upper end of said tank for dividing the latter into an upper oil receiving chamber and a lower storage chamber, a plurality of inlets leading to said oil receiving chamber, a pipe extension formed with said funnel and projecting downwardly within the oil storage chamber, a funnel arranged within the lower portion of said tank and forming a bottom for said oil storage chamber, a valve controlled outlet leading from said last mentioned funnel, an oil outlet leading from the upper end of said storage chamber, and a water outlet leading from the lower portion thereof, and a screen extending horizontally across said storage chamber immediately below said oil outlet.

1,557,104. RESISTOR MOUNTING FOR ELECTRIC FURNACES. FRANK THORNTON, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 18, 1923. Serial No. 658,094. 11 Claims. (Cl. 204—64.)



7. In an electric furnace, in combination, a helically wound coil of resistor wire having flat, substantially parallel sides and rounded edge portions, and a pair of relatively narrow, elongated, refractory, supporting members located in parallel-spaced relation relatively to each other operatively engaging the outer surface of the rounded edge portions only of said coil to support the same and embodying means for positively locating the adjacent turns of said coil in spaced relation to each other.

1,557,105. CONNECTING-PLUG REMOVER. FRANK THORNTON, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 12, 1923. Serial No. 674,162. 4 Claims. (Cl. 219—19.)



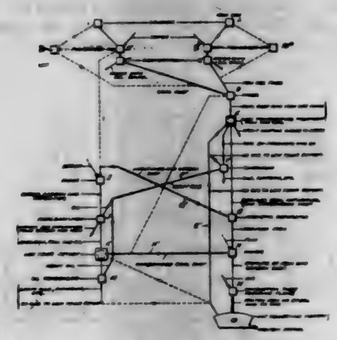
1. A removable connecting plug for an electrically heated device, comprising a casing, and a manually-operable rod on said casing for effecting disengagement of said plug from said device.

1,557,106. PLANT DUSTER. JOHN Z. TOW and SAM OLWOVITCH, Springfield, Tenn. Filed Mar. 15, 1924. Serial No. 699,443. 2 Claims. (Cl. 43—148.)

1. A plant duster comprising a casing having an internal dividing wall defining an air chamber and a powder chamber above and in advance of the air chamber, a spout leading from the air chamber at the bottom of the powder chamber and in communication with the powder chamber, the side walls of the casing being provided with alined openings near the bottom of the powder chamber and one side wall having a larger opening above the alined openings, a cover removably fitted in said larger opening, a shaft having a trunnion at one end and a spindle at its opposite end extending through the alined openings, said shaft being removable endwise through one of the alined openings, bearings for the spindle and the trunnion of said shaft removably secured on the outer sides of the casing, an agitator fitted on said shaft to rotate therewith and removable therefrom when the shaft is moved endwise from the casing, the agitator being removable from the casing through said larger opening, means for rotating said shaft, a fan in the air chamber, and operative connections between the fan and said shaft.

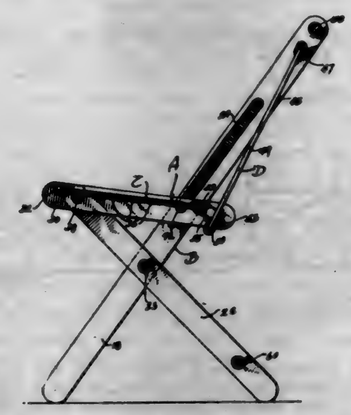


1,557,107. PROCESS OF REDUCING ORES. WALTER EDWIN TRENT, Washington, D. C., assignor to Trent Process Corporation, Washington, D. C., a Corporation of Delaware. Filed Oct. 4, 1920. Serial No. 414,526. 18 Claims. (Cl. 75—17.)



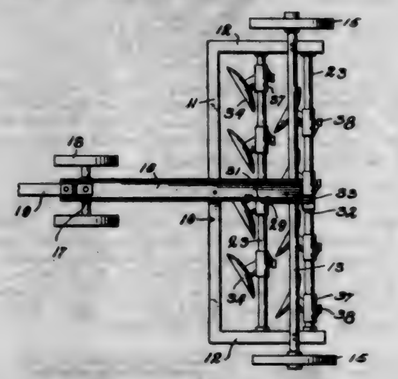
1. The process of treating ores, which comprises mixing finely comminuted ore particles with finely divided carbonaceous fuel particles substantially freed of hydrocarbon, and in then burning the fuel particles mixed with the ore in a reducing atmosphere to reduce the ore.

1,557,108. FOLDING CHAIR. HENRY TEMPLE TUCKER, Fort Smith, Ark. Filed Oct. 21, 1924. Serial No. 744,059. 5 Claims. (Cl. 155—144.)



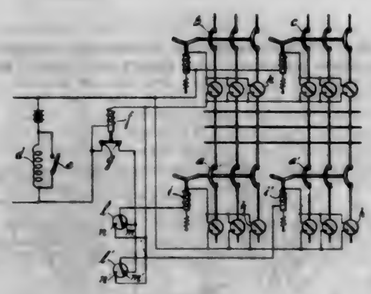
1. As an article of manufacture a folding chair comprising a pair of main bars each including at its lower portion a front supporting leg and each including at its upper portion a back rail rigid with its respective leg, a pair of rear legs pivotally connected intermediate their ends between the ends of said front legs inwardly of said front legs, a seat pivotally connected at its forward end to the upper ends of said rear legs, means pivotally and slidably connecting the rear portion of said seat to said back rails whereby the rear portion of said seat extends rearwardly of said back rails when the seat is positioned for seating purposes, means providing a transverse opening in said seat at its rear end, and a back pivotally connected at its upper end to the upper ends of said back rails and having its lowest free swinging end slidably disposed through the opening provided at the rear of said seat.

1,557,109. DISK HARROW. TEDDIE C. VANDEBERG, Epping, N. Dak. Filed Oct. 18, 1924. Serial No. 744,349. 2 Claims. (Cl. 55—78.)



1. In a harrow, a frame, spaced supporting members mounted in and forming part of the frame, slidable sleeve members mounted on said supporting members and including bearings, and disks having stub shafts engaged through said bearings, the bearings on the sleeves carried by one supporting member being inclined forwardly and laterally in one direction and the bearings on the sleeves carried by the other member being inclined forwardly and laterally in the other direction, the sleeves being adjustable longitudinally along their supporting members.

1,557,110. ARRANGEMENT FOR THE PROTECTION OF SUBSTATIONS. PETRUS KLAAS VAN DEN STERR, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 29, 1921. Serial No. 496,672. 4 Claims. (Cl. 175—294.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



3. An electrical system comprising a plurality of circuit-interrupters, means including a common voltage-drop relay for controlling the same in case of a fault, and means depending upon the location of the fault for rendering said relay ineffective to control certain of said circuit-interrupters.

1,557,111. HOSE CLAMP. WILLIAM T. RUTLEDGE, Santa Ana, Calif. Filed Dec. 10, 1923. Serial No. 679,621. 3 Claims. (Cl. 24—19.)

1. A hose clamp comprising a single length of wire bent to form at least one ring and at least one hump and having at least one hooked tongue formed by an end portion of said wire, said tongue being engaged by the inner curve of said hump.

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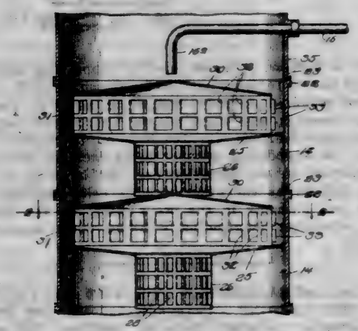
1,557,112. DISTILLATION APPARATUS. JOSEPH SCHNEIBLE, Chicago, Ill.; Beatrice Schneible Ingram, administratrix of said Joseph Schneible, deceased, assignor to Claude D. Schneible, K. F. Schreiber, and Benjamin B. Schneider, as trustees under the name of The Schneible Trust. Filed Nov. 12, 1923. Serial No. 674,286. 5 Claims. (Cl. 195—13.)



1. In a column still construction, a unit having a baffle ring extending from its wall inwardly to an open central space, a cylindrical skirt depending from the inner rim of said ring, peripheral openings in said skirt and vanes at each of said openings for imparting rotary movement to vapors passing therethrough.

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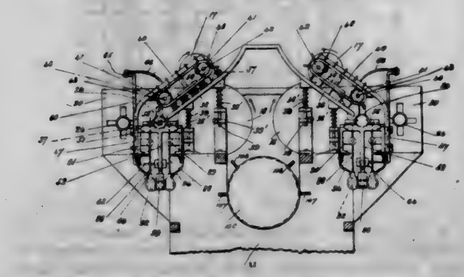
1,557,113. CANE-STRIPPING MACHINE. HENRY O. SCRANTON, Jeanerette, La. Filed Dec. 1, 1925. Serial No. 758,188. 28 Claims. (Cl. 130—31.)



2. In a stripping machine, a housing provided with guides arranged radially in vertical and horizontal planes, spring-pressed blocks slidable in the guides, stripping blades pivoted to the blocks and arranged in tubular form, and means which normally hold the blades of each pair of blocks tilted at an angle to each other to present a converging entrance for the canes.

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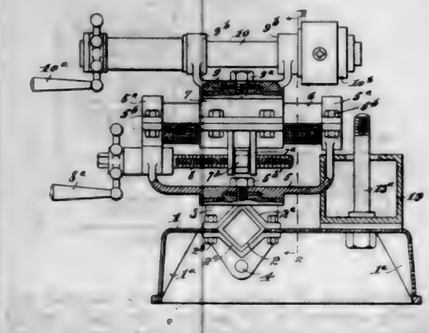
1,557,114. PORTABLE GRINDING MACHINE. LOUIS E. SMITH, Cleveland, Ohio. Filed Sept. 19, 1923. Serial No. 663,587. 2 Claims. (Cl. 51—241.)



1. In a grinding machine, a guide shaft provided with an eccentrically arranged pilot element, a tool carrying spindle carrying a tool in proximity to said pilot, a gear casing, means for connecting said casing to said guide shaft in various positions relative to said pilot element, gearing in said casing operatively connected to said tool carrying spindle, and power driven connections leading from said gearing.

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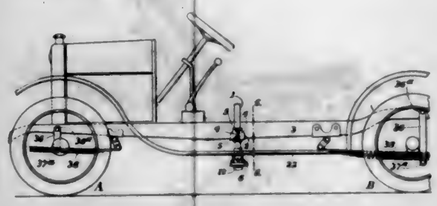
1,557,115. JACKING UP OF MOTOR VEHICLES. JOHN FERGUSON STEVENSON, Belfast, Ireland. Filed Sept. 26, 1923. Serial No. 664,830. 7 Claims. (Cl. 254—86.)



1. A four-wheeled motor vehicle having two jacks attached to the frame thereof and disposed one at each side of the vehicle, each jack being adapted to act on one side only of the vehicle and to lift it bodily at that side so that the vehicle when lifted will rest on the two wheels on the opposite side, the two wheels at the same side as the operative jack being raised off the ground.

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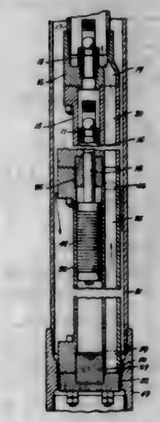
1,557,116. HYDRAULICALLY-OPERATED DEEP-WELL PUMP. JOHN H. SUTER, Los Angeles, Calif. Filed Feb. 11, 1925. Serial No. 8,422. 9 Claims. (Cl. 103—4.)

1. In a deep well, an insertable pumping unit disposed therein comprising a fluid motor and a pump direct connected thereto, a passage for the motive fluid extending down the well hole to said motor, valve mechanism at said motor for controlling the supply of motive fluid thereto and the discharge of motive fluid therefrom, a passage for the liquid being pumped, the discharge of said motor being connected to the passage for liquid be-





ing pumped whereby the liquid being pumped and the fluid being discharged from said motor mingle and are raised together.

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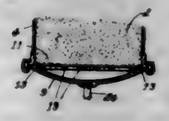
1,557,117. BASE-EXCHANGE WATER SOFTENER. ORLAND RUSSELL SWEENEY, Ames, Iowa, assignor to Ward-Love Pump Corporation, Rockford, Ill., a Corporation of Illinois. Filed Feb. 9, 1925. Serial No. 7,790. 23 Claims. (Cl. 210—24.)



1. In a water softener having a bed of base-exchange material, means for flowing water or brine solution through said material, and a diaphragm having extremely fine interstices, closely and uniformly spaced and permanently fixed for uniformly distributing the flow of said liquid through said material, said interstices being of such size as to prevent channeling under normal operating pressures, to secure more complete chemical exchange.

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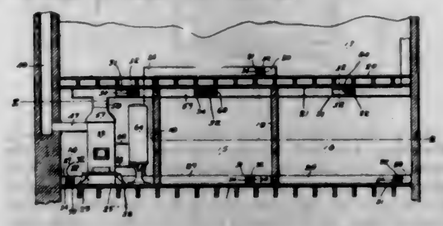
1,557,118. HOT-AIR HEATER. JOHN W. TOLLAND, St. Louis, Mo., assignor of forty-five one-hundredths to John A. Talty, St. Louis, Mo., and one-fourth to Fred Powers, Norman, Okla. Filed May 1, 1922. Serial No. 557,699. 1 Claim. (Cl. 126—99.)



A heater comprising a base provided on its lower surface with a flange, an air chamber secured to said flange beneath the base, an ash-pit integral with said base and located on the upper face thereof, a flange integral with said base surrounding and spaced apart from said ash-pit, a flange integral with the top of said ash-pit and surrounding the opening formed through said top, a fire pot supported on said ash-pit and within said flange, a hollow cylindrical casing mounted on said fire box, a cylindrical casing closed on its upper end formed on said first mentioned casing, a casing surrounding said ash-pit, fire box and first mentioned casings and spaced apart therefrom, said last mentioned casings being held in position on the base by the flange surrounding the ash-pit, a bell shaped top located on said last mentioned casing, a pipe secured to said top, a second pipe connected to said first mentioned pipe, said second mentioned pipe extending into various rooms and being provided with a plurality of valve controlled openings, and a plurality of valve controlled pipes connected to said air chamber for drawing air to certain rooms, whereby a constant circulation of air is permitted.

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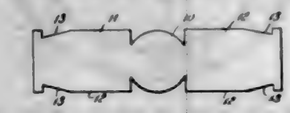
1,557,119. EXPANSION SHIELD. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Oct. 1, 1921. Serial No. 504,629. 7 Claims. (Cl. 85—2.4.)



1. A method of forming an expansion shield from a single piece elongated sheet metal blank which consists of forming a blank with notches in its side edges adjacent the ends, bending the blank upon itself on an axis transverse to the length thereof and folding the lateral edges around a nut having projections extending into the notches and inwardly toward each other until they meet, to form a tubular shield.

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1,557,120. SPECTACLE TEMPLE. GEORGE L. TULLY, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 10, 1922. Serial No. 551,125. 1 Claim. (Cl. 88—52.)

A one-piece terminal fitting for the end of a non-metallic temple, consisting of a cap plate provided on one side with a central prong embedded in the temple, said prong having an indented portion to prevent rotation thereof and longitudinal removal and to retain the cap plate against the end of the temple, the other side of the cap plate having a hinge ear for connection with an end piece of an eyeglass frame, said cap plate having a marginal collar fitting the exterior of the end of the temple.

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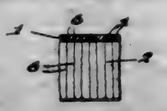
1,557,121. STAPLE PACKAGE. MAX VOGEL, Frankfort-on-the-Main, Germany. Filed Nov. 28, 1923. Serial No. 677,478. 1 Claim. (Cl. 1—56.)



A staple package for use in stapling machines comprising a unit consisting of staples detachably connected together formed by pressing together a plurality of indi-

vidual staples arranged side by side and provided on their side faces with small irregularities which cause the individual staples to adhere to each other.

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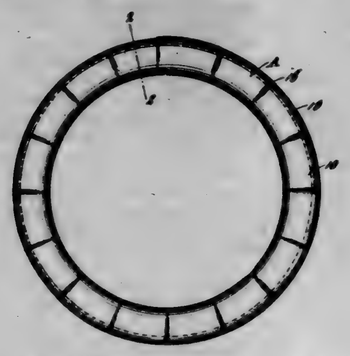
1,557,122. INNER TUBE. ANTHONY VOLENCE, Browerville, Minn. Filed Nov. 7, 1924. Serial No. 748,450. 3 Claims. (Cl. 152—8.)



3. As a new article of manufacture, an inner tube constructed from spring material comprising a body substantially circular shaped in cross section, the body being adapted to be flexed into an annular configuration including a plurality of resilient leaves having their free edges disposed outermost for engaging the tread portion of a tire casing, and means detachably connecting the terminals of the body together.

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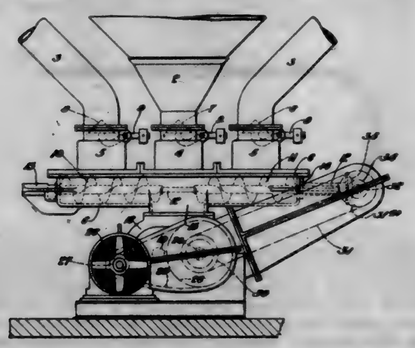
1,557,123. METHOD OF HANDLING FLUE DUST. GEORGE W. VREELAND, Steubenville, Ohio. Filed Oct. 13, 1921. Serial No. 507,410. 4 Claims. (Cl. 183—38.)



1. The method of handling hot blast furnace flue dust, which consists in separating the flue dust from the hot blast furnace gases in a suitable dry gas cleaner, then passing the separated flue dust through a closed receptacle, adding water to said flue dust in the receptacle, and agitating the flue dust within the receptacle to intimately mix the water with the flue dust.

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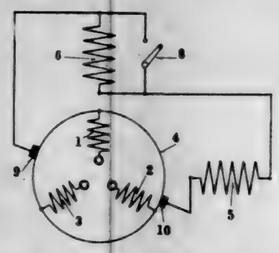
1,557,124. ALTERNATING-CURRENT MOTOR. HANS WEICHSEL, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a Corporation of Delaware. Filed Oct. 20, 1924. Serial No. 744,552. 2 Claims. (Cl. 172—280.)

1. In a synchronous induction motor, the combination of an inducing member provided with a commutator and brushes thereon, an induced member having an exciting winding and a starting winding displaced therefrom, said windings of the induced member being connected



to the brushes in series, and means for short-circuiting the second winding when suitable speed has been attained.

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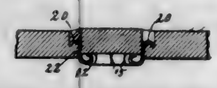
1,557,125. SNAP FASTENER. JACOB WISHN, Dorchester, Mass., assignor to United States Fastener Company, a Corporation of Maine. Filed Mar. 3, 1925. Serial No. 12,918. 2 Claims. (Cl. 24—216.)



1. A socket member for a snap fastener composed of a short tube having one end curved inward to form a transversely convex internal lip, said lip having radial slits forming separate spring wings, the other end of the said tube being provided with a number of attaching prongs parallel to the axis of the tube and having substantial spaces between them at their junction with the unpronged portion of the tube, the radial slits of the internal lip being in line with the attaching prongs.

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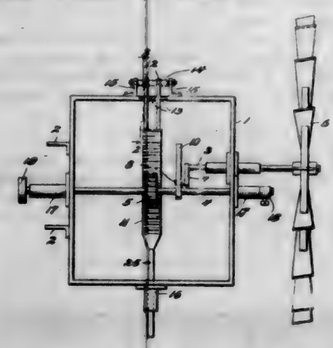
1,557,126. GEARING FOR WINDMILLS. CARBIE WILCOX, Mart, Tex. Filed Jan. 28, 1924. Serial No. 689,009. 1 Claim. (Cl. 74—14.)



In a transmission for a windwheel, a frame having horizontal top and bottom members and vertical side members, a vertically reciprocating rack provided with guide rods at its upper and lower ends and engaging respectively the said top and bottom members, a horizontal rotary shaft mounted at its ends in the side members and carrying a gear intermediate its ends for engaging the said rack, another rotary shaft parallel with the first named shank and mounted intermediate its ends in one of the side members and provided with a crank and pin at its inner end and means for rotating it at



its outer end and a lever secured to the first named shaft having a slot for engagement with the said pin, the said lever being located intermediate the said gear and the end of the first named shaft.

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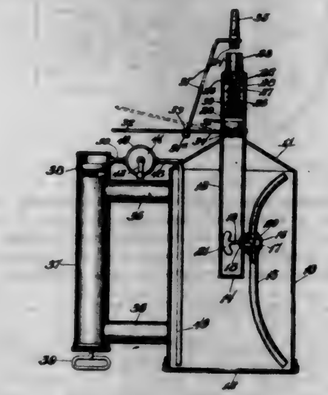
1,557,127. OIL CAN. GEORGE W. WILKIN, Grangeville, Idaho. Filed Aug. 5, 1924. Serial No. 730,292. 3 Claims. (Cl. 221—52.)



3. In a pressure oiler, a lubricant container, a sleeve communicating with the interior of the lubricant container at opposite ends of the container, means automatically cutting off communication of the sleeve with that end of the container which is arranged uppermost, an extension sleeve engaged with the outer end of the first named sleeve, a nozzle tube interiorly fitting the extension sleeve, having its outer end projecting beyond the outer end of the extension sleeve and its inner end closed, said nozzle tube adjacent such inner end having a valve, the inner end of the extension sleeve being formed to provide a seat for said valve, the tube being perforated outwardly of said valve, a support extending transversely of the sleeve, and a spring extending between said support and tube and normally maintaining the valve in engagement with the valve seat.

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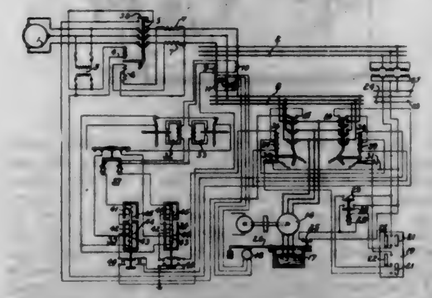
1,557,128. CIRCUIT-INTERRUPTING SYSTEM. GOLDER P. WILSON, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 31, 1921. Serial No. 441,174. 14 Claims. (Cl. 172—179.)



1. In a rolling-mill-motor-control system, the combination with a motor a main or group interrupter having a large rupturing capacity and a plurality of feeder interrupters having a small rupturing capacity for controlling the energy supply to the motor, of means for preventing the actuation of the feeder interrupters upon the occurrence of a short circuit or sudden overload exceeding a predetermined value, means for actuating the main interrupter under such conditions, means controlled upon the actuation of the main interrupter for tripping the feeder interrupters, and means dependent upon a predetermined condition of the motor for controlling the operation of the interrupters.

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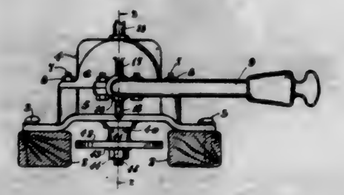
1,557,129. SWITCH STAND. OLIVER WILSON, Covington, Ky. Filed Feb. 9, 1925. Serial No. 7,839. 4 Claims. (Cl. 246—411.)



1. In switch operating means, a housing, a vertical shaft journaled therein, a connecting rod arm fixed to said shaft, a switch point connecting rod pivotally attached to said arm and adapted to be operatively connected to the switch points, a yoke fixed to said shaft, a swivel block having an elongated slot or opening therein and pivotally mounted in said yoke, a pivotally mounted crank shaft having one end engaging the walls of said opening, and a switch throwing arm mounted on the other end of said crank shaft.

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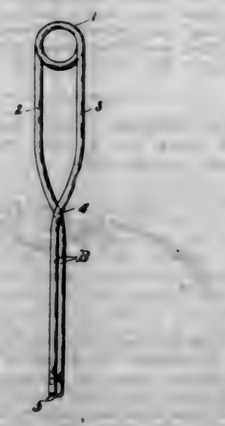
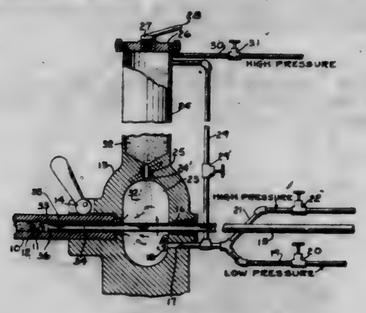
1,557,130. DISHCLOTH HOLDER. MARY CHASE WITHERBEE, Boston, Mass. Filed June 15, 1923. Serial No. 645,546. 6 Claims. (Cl. 15—147.)



1. A device of the character described comprising a resilient handle portion, and similar opposed jaw members carried by the handle portion, said jaw members comprising open loops each having a laterally deflected terminal portion projecting within the loop of the opposite jaw and substantially filling one dimension thereof.

**1,557,131. APPARATUS FOR REMOVING SAND CORES FROM HOLLOW DRILL ROD BY SAND BLAST.** PERCY A. E. ARMSTRONG, Loudonville, N. Y., assignor to Ludlum Steel Company, Watervliet, N. Y., a Corporation of New Jersey. Original application filed Dec. 13, 1919, Serial No. 344,738. Divided and this application filed Oct. 28, 1920. Serial No. 420,186. 2 Claims. (Cl. 51—8.)




1. Apparatus for removing a sand core from the bore of a tubular body, comprising a member containing a mixing chamber, means for supplying sand to said chamber, means for supplying gaseous fluid to said chamber under pressure, an outlet passage from said chamber being provided in a wall thereof, means for holding the cored tubular body with the cored part in register with said passage, and an outlet pipe for core material discharged from the said tubular body, said pipe extending through said chamber and passage and adapted to project into the bore of the tubular body.

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**1,557,132. PROCESS AND PRODUCT OF MAKING LOW-CARBON CHROMIUM-IRON ALLOYS.** PERCY A. E. ARMSTRONG, Loudonville, N. Y., assignor to Ludlum Steel Company, Watervliet, N. Y., a Corporation of New Jersey. Filed Nov. 17, 1923. Serial No. 675,306. 12 Claims. (Cl. 75—27.)

1. In the process of making low carbon or substantially carbon free alloys of iron and chromium, the step of melting iron, preheating chromium to a temperature approaching toward but below its melting point, and introducing it into the molten iron.

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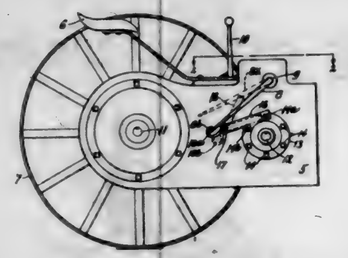
**1,557,133. JEWELRY CLASP.** HENRY BACKERT, Hilton, N. J. Filed Apr. 4, 1923. Serial No. 629,777. 2 Claims. (Cl. 24—230.)

1. A jewelry clasp comprising a box-like body portion having an entrance end flanked by stud-like members; a snap member having an elongated V-shaped resilient body provided with nicks formed thereon for interlocking with said stud-like members; and a laterally off-set hook formed at the smaller end of said snap-member, the base of said hook approximating in width the space between said stud-like members and progressively diminishing to the end of said hook with the inner curvature of the latter tangent to the adjacent outer side of said V-shaped body so that the hook may be disengaged from the stud-like member by rocking the snap-member about the engaged stud-like member.

**1,557,134. CLUTCH-LEVER HOLDER.** GREGOR J. BARTHEL, Albertville, Minn. Filed Apr. 18, 1925. Serial No. 24,117. 2 Claims. (Cl. 74—81.)



1. In a tractor having a vertically oscillatable clutch lever with a horizontal foot engaging part, a clutch lever holder comprising an elongated body member fixed in a plane parallel to the movement of said clutch lever, a rock lever pivotally secured in said elongated member, one part of said rock lever adapted to normally rest in said body member and a hook member in the other end of said lever adapted to engage and hold the clutch lever in a predetermined position, said hook portion of the rock lever comprising an upwardly opening hook arranged in the path of the horizontal foot engaging part of the tractor clutch lever to be tilted by the downwardly directed engagement of the latter until the said hook engages the said part of the clutch lever.

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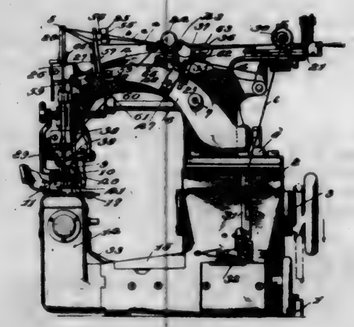
**1,557,135. THREAD-CONTROLLING MECHANISM FOR SEWING MACHINES.** JOSEPH BERGER, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1921. Serial No. 473,564. 14 Claims. (Cl. 112—242.)



1. The combination with a covering stitching mechanism including a plurality of needles having the eyes thereof set at different heights, and a threaded looper cooperating with said needles at one face of the fabric being stitched, of a thread controlling mechanism including means for pulling different amounts of the respective needle threads from the supply proportionate to the distance between the eyes of the respective needles and the fabric, and means operating upon the thread of the needle having the lowest set eye for taking up thread on the first part of the upward movement of the needle to reduce the size of the needle thread loop thrown out for the looper to enter.



**1,557,136. SIDE-WALL CONSTRUCTION FOR CARS.** MINOT C. BLAKE, Bellevue, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Mar. 14, 1924. Serial No. 699,225. 10 Claims. (Cl. 105—406.)

1. In a car, a side having a vertically disposed upper portion, an angular member having a portion of one of its flanges disposed vertically and secured to the upper portion of said side, the remaining portion of said flange being disposed at an angle to said wall and sloping inwardly therefrom, and a flange extending outwardly at an angle to said remaining portion.

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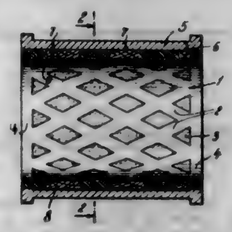
**1,557,137. SELF-LUBRICATING BEARING AND METHOD OF MAKING IT.** JOSEPH BRINCIL, Plainfield, N. J., assignor of one-half to Ralph Curcio, Lincoln, N. J. Filed Jan. 25, 1924. Serial No. 688,495. 11 Claims. (Cl. 308—239.)



1. A self-lubricating bearing comprising a lining of soft bearing metal and wood impregnated with a lubricant, and an outer shell of a harder metal in direct contact with the soft bearing metal and soldered thereto.

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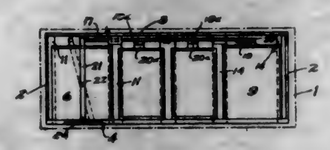
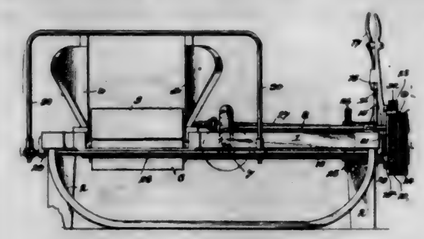
**1,557,138. CABINET LOCK.** OSCAR BRUNNER, St. Louis, Mo. Filed May 9, 1924. Serial No. 711,991. 5 Claims. (Cl. 45—94.)



1. In a cabinet, a sliding drawer, a tilting bin, a member at the rear of said cabinet movable in a straight line transversely of said drawer and bin and having a vertical surface adapted to engage said drawer to prevent its withdrawal and having a horizontal surface adapted to engage said bin to prevent its tilting, and locking means at the front of said cabinet for preventing movement of said member.

**1,557,139. SAFETY MECHANISM FOR GEARING.** FRED J. BULLOCK, Shortsville, N. Y. Filed May 18, 1922. Serial No. 561,899. 4 Claims. (Cl. 192—133.)



1. In combination with a driving gear, a driven gear cooperative therewith; a member standing adjacent said driving and driven gears; and means for throwing said member between the gears to cause the separation thereof and to thereby effect a stoppage of movement of said driven gear.

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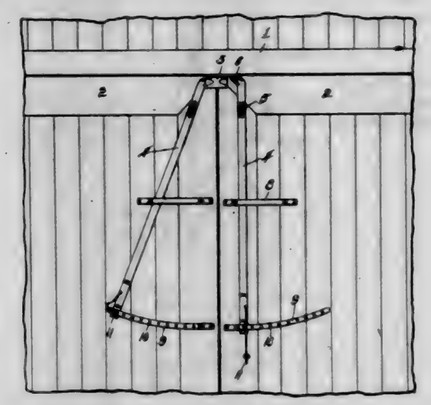
**1,557,140. DOORLOCK.** CHARLES S. CLARKSON, Toledo, Ohio. Filed Aug. 13, 1923. Serial No. 657,006. 8 Claims. (Cl. 292—202.)



1. The combination with a door casing and a door swingingly mounted therein, of a socket member fixed to the upper portion of the casing adjacent to the free edge of the door with its socket opening at a side thereof, and a lever pivoted intermediate its ends to the door and having its upper arm provided with a laterally projecting tapered nose portion which is adapted to be moved into the socket of the member and to coact with the socket walls to lock the door in closed position and to prevent sagging and warping of the free edge portion of the door, and means for securing the lever in locking position.

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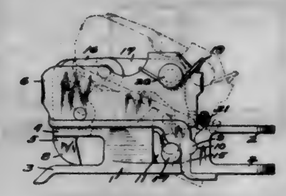
**1,557,141. OVERLOAD RELEASE COUPLING.** LAWRENCE E. CONNER, Jackson, Mich. Filed Aug. 18, 1922. Serial No. 582,580. 9 Claims. (Cl. 280—33.16.)

1. In a vehicle coupling, a supporting member, a frame longitudinally slidably supported on the supporting member, a draft engaging member pivotally supported in the frame and for engaging the draft member of a trailing device, a toggle supported on the frame for controlling the draft engaging member, a spring lo-

cated intermediate the frame and the supporting member and compressed by the draft of the trailing device, a trip for breaking the toggle to disengage the draft en-



gaging member from the draft member of the trailing device when the frame moves beyond a certain point with reference to the supporting member.

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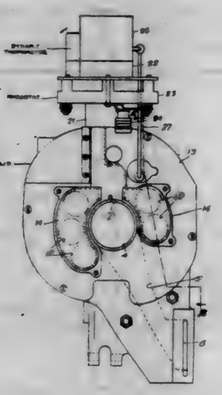
1,557,142. ELECTRICALLY-HEATED MELTING POT. GEORGE O. CROMWELL, Chicago, Ill., assignor to The Ludlow Typograph Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 24, 1920. Serial No. 376,206. 4 Claims. (Cl. 219—44.)



1. The combination with a melting pot for typograph machines and the like, said pot having a main chamber, a sub-chamber, and a spout leading from such sub-chamber; of a cover for said pot having internally threaded openings; cylindrical tubes, closed at their lower ends, and each having a flange and an externally threaded section adjacent its upper end, whereby such tubes are secured in the openings in said cover so as to depend in the space between said sub-chamber and the outer wall of said main chamber; and corresponding electrical heating units removably held in said tubes.

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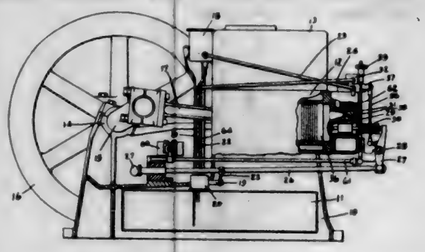
1,557,143. CIRCULATING-FUEL SYSTEM FOR OIL ENGINES. CLESSIE L. CUMMINS, Columbus, Ind. Filed Sept. 27, 1921. Serial No. 508,679. 2 Claims. (Cl. 123—33.)

1. In an engine, the combination of a combustion space, a vaporizing chamber, a valve for admitting liquid fuel to said chamber and having a recess in its upper end, a spring coiled about a reduced portion of said valve, a passage in which valve is mounted, a control device for the valve, an enclosure for the control device, a source of fuel, and circulating means forcing fuel to said valve and including an inlet communicating with



said passage and an outlet from the enclosure to said fuel source to permit the excess fuel to return to said source.

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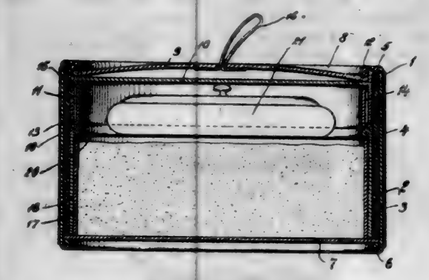
1,557,144. BOX. FRANK J. DOLAN, Brooklyn, N. Y., assignor to Joseph M. Price, New York, N. Y. Filed Nov. 18, 1922. Serial No. 601,890. 16 Claims. (Cl. 229—6.)



2. A box of the class described, comprising in combination a body formed of an outer ring, an inner ring, and a head, the head resting on the end of the inner ring and the head and inner ring being held in place by inturned portions of the outer ring, a cover having a maximum diameter substantially equal to the interior diameter of the said body and adapted to be received therein, this cover being formed of a ring and a head closing the ring, and a separable tubular member disposed within the body and forming an abutment on which the cover rests.

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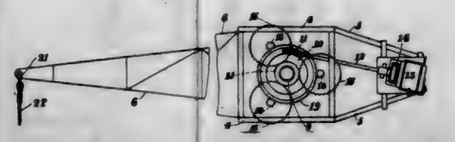
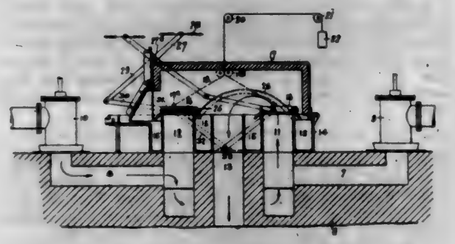
1,557,145. PILE-DRIVING MACHINE. MICHAEL CARMICHAEL DUNSMORE, Stirling, and DAVID CHERRY PATERSON, Glasgow, Scotland. Filed Dec. 11, 1922. Serial No. 606,203. 4 Claims. (Cl. 61—73.)



1. In a self contained screw pile driving machine the combination of a frame, a single anchorage arm forming a long extension of said frame, means rotatably carried by said frame for attachment to the pile to be driven, and a prime mover for rotating said means.



1,557,146. REVERSING VALVE FOR FURNACES. NICHOLAS F. EGLER, Chicago, Ill., assignor to Duff Patents Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 20, 1925. Serial No. 16,995. 4 Claims. (Cl. 137—151.)



1. Furnace valve structure comprising a valve chamber, a pair of furnace flues communicating therewith, a stack flue communicating therewith, and a valve movable to close either of the furnace flues, the stack flue being located between the furnace flues.

4. Furnace valve structure comprising a valve chamber, a hood member therefor forming the upper portion thereof, a pair of furnace flues communicating with said chamber, a stack flue communicating with said chamber at a point below said hood, a valve for closing either of said furnace flues, a gas inlet communicating with one of the furnace flues, and a gas inlet communicating with the other furnace flue.

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1,557,147. PROCESS OF TREATING CELLULOSE ACETATE. EDWARD S. FARROW, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 20, 1925. Serial No. 3,681. 10 Claims. (Cl. 260—102.)

1. The process which comprises dissolving chloroform-soluble cellulose acetate in a solution of phosphoric acid of a type which is liquid above its melting point and partially hydrolyzing it while so dissolved.

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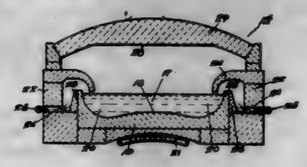
1,557,148. SHEET-GLASS APPARATUS. ENOCH T. FERNGREN, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 26, 1924. Serial No. 758,133. 14 Claims. (Cl. 49—17.)



1. In sheet glass apparatus, including a draw-pot containing a source of molten glass, of means for directing heat along the border portions of the molten glass within said pot.

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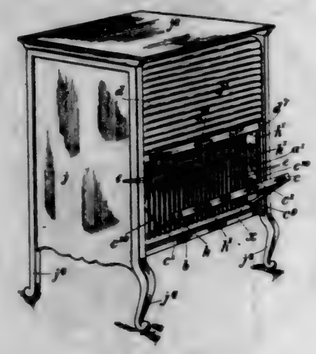
1,557,149. DISK-RECORD CABINET. HUGH D. FITZPATRICK, Glasgow, Scotland, assignor to Ernest Hayward Fairbanks, Philadelphia, Pa. Filed May 28, 1921. Serial No. 478,255. 1 Claim. (Cl. 211—16.)

A filing cabinet having a compartment sub-divided into a plurality of sections open and unobstructed at their ends, the sections being designed to contain disk records, a forwardly and downwardly inclined bottom for said compartment upon which the records normally rest, arms pivoted at their lower ends upon each side of the cabinet, which arms are adapted to move outwardly, a rail carried by the free ends of said arms and normally extending transversely of and in abutting relation to said sections to retain the records therein, and



means connecting said arms with said cabinet to limit the forward movement thereof, whereby on moving said rail downwardly all of the records in each of the said sections will roll down said bottom in abutting relation to said rail until the latter reaches its lowermost position.

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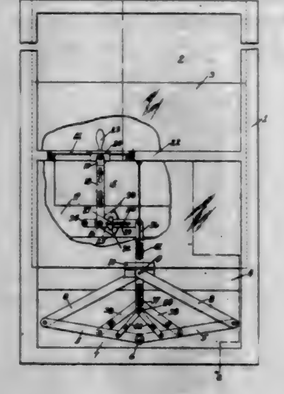
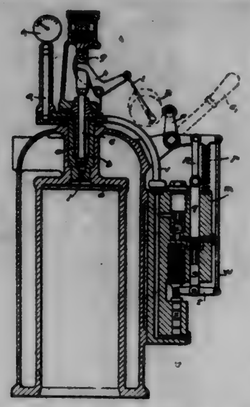
1,557,150. WINDOW-CONTROL MECHANISM. CHARLES FORGERSON, Toledo, Ohio, assignor of one-half to E. D. Moon, Toledo, Ohio. Filed July 9, 1923. Serial No. 650,217. 4 Claims. (Cl. 268—4.)



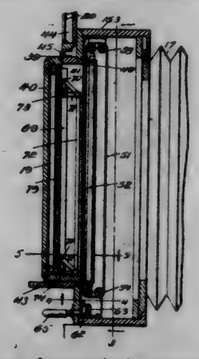
1. In a mechanism of the class described, a frame, a member slidably movable therein, a lazy-tongs means operable to move said member and having a pivotal connection at one end to the frame and connection at its other end to the member, a set of toggle links connected to a set of oppositely projecting links of the lazy-tongs means at opposite sides of the pivotally connected ends of such lazy-tongs links, and a counter-balancing spring anchored at one end to the frame and connected at its other end to the set of toggle links to exert a pull on the lazy-tongs means through the set of toggle links.

1,557,151. METHOD FOR REGULATING THE FUEL SUPPLY WITH COMPRESSORLESS HIGH-PRESSURE CRUDE-OIL ENGINES. ERNST FREY, Troisdorf, near Cologne, Germany, assignor, by direct and mesne assignments, of one-fourth to Johan Nicolaysen, one-fourth to Thomas B. Danckwortt, and one-half to Frank H. Osgood, all of Seattle, Wash. Filed Jan. 4, 1923. Serial No. 610,656. 6 Claims. (Cl. 123—140.)



1. In combination with a fuel pump for engines of the class described including a suction valve and a pump plunger, and having a pressure passage leading from said pump, means operatively connecting said plunger and suction valve to positively control closure of the latter in accordance with the piston stroke, and a spring-controlled piston in communication with said pressure passage operable to positively adjust the time of closing said suction valve in accordance with the pressure in said pressure passage, thereby to vary the delivery of the pump.

1,557,152. MULTIPLE-EXPOSURE CAMERA. WENZEL FRITSCHE, New York, N. Y. Filed Mar. 31, 1920. Serial No. 370,117. 6 Claims. (Cl. 95—36.)



1. A camera as characterized, comprising a frame for holding a sensitized plate; a plurality of co-operating independent, laterally and vertically movable light obscurating members, movable in a plane juxtaposed to said plate for varying the location and size of areas of said plate to be exposed; and means operable at the outer side of said camera for adjusting said obscurating members, said means embodying rollers disposed in perpendicular relation within the camera, and indices on he frame of the camera for showing the location of said members.

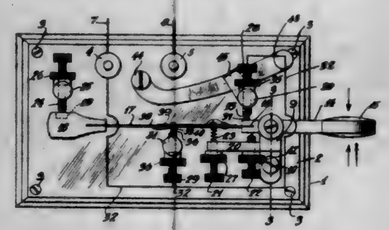
1,557,153. MANUFACTURE OF BENZOIC ACID FROM BENZOTRICHLORIDE. ANTHONY GEORGE, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Filed July 22, 1924. Serial No. 727,412. 12 Claims. (Cl. 260—108.)

1. The method of producing bensoic acid from benzotrichloride which comprises hydrolyzing the benzotrichloride directly with water in the presence of an anhydrous metal compound at a temperature of about 100 to 120° C., the reaction mixture being agitated, and the water being added at substantially the rate at which it reacts.

1,557,154. MANUFACTURE OF BENZOYL CHLORIDE. ANTHONY GEORGE, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Filed July 22, 1924. Serial No. 727,413. 5 Claims. (Cl. 260—123.)

1. The method of producing bensoyl chloride, which comprises adding water gradually to an agitated mixture of benzotrichloride containing a catalyst in suspension and maintained at a temperature at which active hydrolysis of the benzotrichloride takes place, the amount of water added not substantially exceeding about 110% of that theoretically required to form benzoyl chloride, the catalyst containing as an active agent only an anhydrous zinc salt.

1,557,155. TELEGRAPH INSTRUMENT. JOHN J. GHEGAN, East Orange, N. J. Filed Feb. 11, 1924. Serial No. 691,901. 7 Claims. (Cl. 178—82.)



1. A telegraphic instrument embodying a long leaf spring constituting a vibrator, a cushioning member mounted on and carried by said spring, and an electrical contact mounted on and carried by the cushioning member and positioned approximately midway of the length of the long leaf spring which constitutes the vibrator.

1,557,156. EXTENSION HANDLE FOR GOLF STICKS. CONSTANT S. GLESS, Los Angeles, Calif. Filed May 28, 1923. Serial No. 641,833. 8 Claims. (Cl. 273—81.)

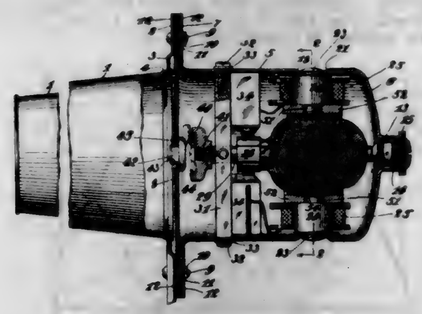
6. A golf stick having a stem thereon, a stationary metallic tube held on said stem, a metallic tube telescoping said stationary tube and closed at the outer end, the inner end of said outer tube being provided with a plurality of longitudinal kerfs and externally threaded, and the sleeve telescoping said outer tube and said inner tube and provided with internal threads for engagement with the threads on the outer tube for locking the outer tube in adjusted position.



1,557,157. ATHLETIC SHOE. DANIEL J. GOLDEN, Brockton, Mass. Filed July 14, 1924. Serial No. 725,755. 1 Claim. (Cl. 36—59.)

An atuletic shoe comprising a sole and an upper connected thereto, the outer surface of the sole being entirely outside the upper, a flexible reinforcing plate secured to the outer sole and seated on the outer surface thereof, an apertured tread member secured to the sole and having orifices extending from its outer to its inner surface, flat anchoring plates seated on the inner surface of the tread member and riveted to the latter, said plates bearing on the reinforcing plate and being provided with tapped orifices coinciding with the orifices in the tread member, and cleats having threaded shanks inserted in the orifices of the tread member and engaged with the tapped orifices of the anchoring plates, said cleats having clamping bases bearing on the outer surface of the tread member around the orifices in the latter and compressing the portions of the tread member in which said orifices are formed, so that the walls of the orifices are pressed against the threaded shanks and prevent accidental unscrewing rotation of the latter, the reinforcing plate preventing tipping movements of the anchoring plates seated thereon, while the reinforcing plate, the anchoring plates, and the cleat bases prevent tipping movements of the cleats on the tread member.

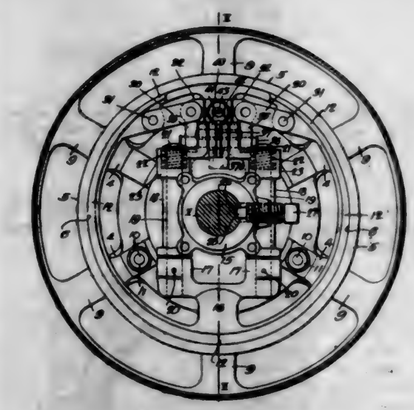
1,557,158. ELECTRIC MOTOR. HARRY C. GRANT, Bayonne, N. J., assignor to Klaxon Company, a Corporation of Delaware. Filed May 3, 1922. Serial No. 558,164. 11 Claims. (Cl. 172—36.)



7. A shoe for the field of a dynamo electric machine, consisting of heavy rolled sheet metal formed to the curvature of the armature and having a perforation through which a core piece may be riveted and partially extruded around said perforation to form a washer-like projection affording approximately parallel flat outer and inner surfaces for the riveting.

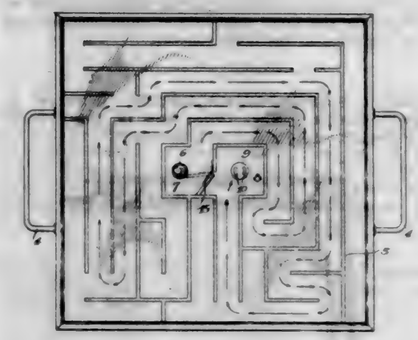
1,557,159. CLUTCH. HOWARD T. HALLOWELL, Philadelphia, Pa. Filed Oct. 20, 1919. Serial No. 331,892. 5 Claims. (Cl. 192—77.)

1. The combination in a clutch of a split ring; links attached to the ends of the same; lugs carried by the ends of said links; wedging means for spreading said lugs to take up wear of the split ring; a pin loosely



connecting said lugs; and means engaging said pin for moving the lugs radially of the ring to spread the links and expand the ring.

1,557,160. GAME OF SKILL. JOHN R. HAUPENTHAL, Rochester, N. Y., assignor of one-half to Bertram E. Wilson, Rochester, N. Y. Filed Nov. 20, 1922. Serial No. 602,049. 9 Claims. (Cl. 213—86.)

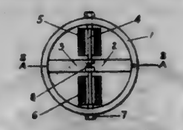


3. The combination with a plurality of game boards, each adapted to be manipulated by a player and including a movable circuit closing member which the player works into winning position by manipulating the board of electrical indicating means connected with the game boards and acting automatically to show which one of said circuit closing members first reaches winning position.

1,557,161. SOUND PRODUCER. HARVEY C. HAYES, Washington, D. C. Filed Mar. 2, 1925. Serial No. 12,602. 2 Claims. (Cl. 179—114.)

1. An electromagnetic sound reproducing device comprising an electromagnetic operating mechanism including a pair of solenoids, an armature in the form of a

magnetic rod passing through said solenoids, means for varying the tension in said rod, a sound reproducing dia-



phragm and a connection between a point in said armature and said sound reproducing diaphragm for reproducing the sound vibrations existent in said armature.

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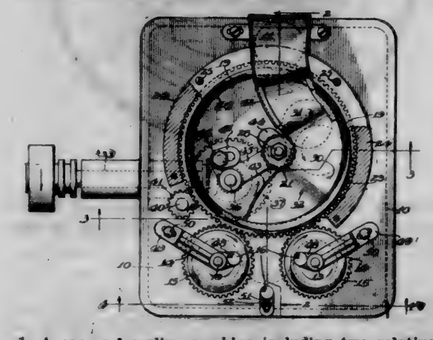
1,557,162. CAN-END-CURLING MACHINE. GUSTAV W. HEDSTROM, Chicago, Ill. Filed Dec. 19, 1924. Serial No. 756,871. 24 Claims. (Cl. 153—59.)



1. A can end curling machine including two relatively rotating curling elements, one enclosed by and eccentric to the other the shortest distance between said elements being approximately equal to the diameter of a can end to be curled, and there being curling grooves located respectively on the inner side of the outer element and on the periphery of the inner element.

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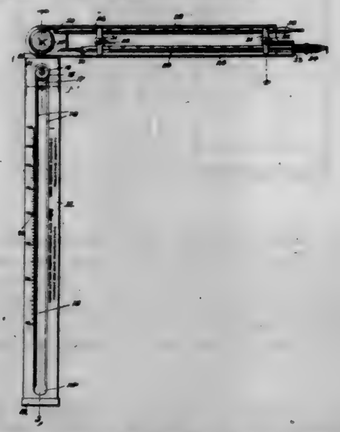
1,557,163. SLING PSYCHROMETER. WILLIAM B. HODGE, Charlotte, N. C. Filed May 19, 1923. Serial No. 640,282. 10 Claims. (Cl. 73—24.)



1. In a psychrometer or the like, the combination of a thermometer element including a wet bulb thermometer, a dry bulb thermometer and a support therefor; and a casing element for said thermometer element capable of entering into slidable relation therewith, said two elements being provided with coacting series of slide rule graduations arranged for computing a function of atmospheric humidity from the readings of the wet bulb and dry bulb thermometers.

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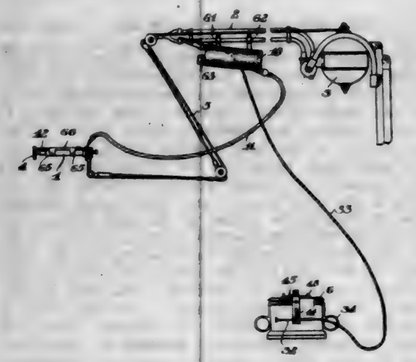
1,557,164. LIQUID-CONTROLLING MEANS FOR DENTAL ENGINES. FREDERIC J. HOFSCHNEIDER, Rochester, N. Y. Filed Dec. 9, 1924. Serial No. 754,751. 7 Claims. (Cl. 32—10.)



1. The combination with a dental engine including a hand piece, an electric motor, a switch for the motor, of gravity controlled liquid supply means for the hand piece, and devices governing the liquid supply including a valve, and valve operating means located in the path of said switch and movable when the switch is actuated, the valve operating means being connected to the valve and acting to open the valve when the switch is moved.

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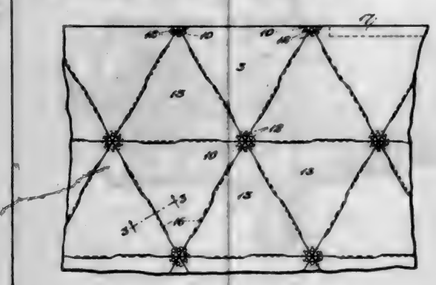
1,557,165. PAVEMENT FOR HIGHWAYS. ELMER G. HOOPER, New York, N. Y. Filed Nov. 1, 1922. Serial No. 598,344. 9 Claims. (Cl. 94—13.)



1. In a pavement of the class described, a series of supporting posts arranged at the apices of triangles, and supporting slabs of triangular form having their apices resting on said supporting posts.

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1,557,166. METAL BRUSH. HAROLD J. HORN, Trenton, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a Corporation of New Jersey. Filed Apr. 7, 1923. Serial No. 630,445. 9 Claims. (Cl. 15—198.)

4. The combination with a brush body, or wire bristles having their base portions mounted thereon, each of said bristles having a straight portion between the free end of the bristle and said base portion of less thickness in the direction of movement of the brush than the

rest of the bristle and arranged to bend in the movement of the brush, whereby localized bending of the bristles at their base is avoided.

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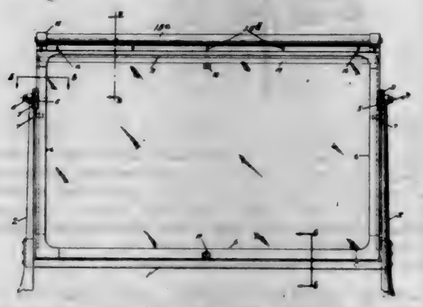
1,557,167. THEFT-INDICATING WINDSHIELD FOR VEHICLES. EDWIN HERBERT IVES, San Francisco, Calif. Filed Nov. 16, 1922. Serial No. 601,432. 7 Claims. (Cl. 296—84.)

1. The combination in a shield for motor vehicles, of a frame mounted on said vehicle, a pair of transparent panels secured in said frame, said panels being spaced apart, a flexible curtain disposed at one end of said panels and adapted to have its free end moved between the panels toward the other end thereof, a lock on said frame and a coating member on said curtain.

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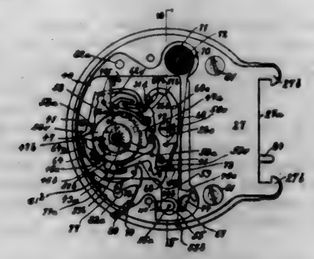
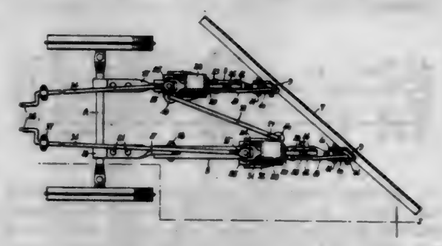
1,557,168. COMBINATION LOCK. ANTONI KADLUBOWSKI, Jersey City, N. J.; Josefa Kadlubowski, administratrix of said Antoni Kadlubowski, deceased. Filed Jan. 8, 1923. Serial No. 611,412. 28 Claims. (Cl. 70—18.)



1. A keyless lock, comprising a latch mechanism, a rotatable door knob, restrictedly movable in an axial direction, and means to open the lock operative by a predetermined series of reciprocations followed by a rotary movement of the door knob for each digit of a combination of numerals, said means including devices to restore the means to initial position when said predetermined series of reciprocations are interrupted by a wrong motion.



1,557,169. ROAD SCRAPER AND SNOWPLOW. CHARLES A. KALINA, Exeter, Nebr. Filed July 17, 1925. Serial No. 44,318. 7 Claims. (Cl. 37—155.)



1. A device of the character described comprising a scraper blade, means for connecting said blade with a vehicle for the up and down movement of said blade, members having vertical sliding connection with said means and having portions to bear on the road, and adjusting means connecting said members and firstnamed means for raising and lowering the firstnamed means on said members.

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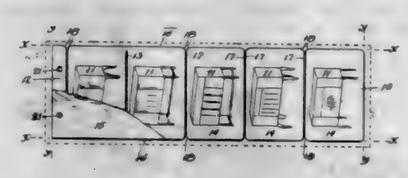
1,557,170. PROCESS OF PRODUCING FOLDERS. CHARLES D. KAUFMANN, Chicago, Ill., assignor to Kaufmann & Fabry Co., Chicago, Ill., a Corporation of Illinois. Filed July 16, 1924. Serial No. 726,374. 3 Claims. (Cl. 11—1.)



1. The herein described process of producing folders, which consists in transversely slotting a strip, having spaced individual photographs printed thereon, mounting the slotted strip on a backing, and trimming off the edge portions of the strip and backing back to the slots, thereby leaving separated individual photographic prints mounted on a backing which is foldable between the prints.

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1,557,171. TIRE-CHAIN LOCK. HENRY J. KELLEN, Woodstock, Minn. Filed July 26, 1923. Serial No. 653,936. 6 Claims. (Cl. 24—241.)

1. A lock for tire chains comprising a channel frame having a tongue on one side and open on the opposite side, the sides of the frame being formed with registering notches, a rivet for connecting a chain link to one end of said frame, and a lever fulcrumed at one end in the opposite end of said frame and formed with a notch adapted to register with the notches of said frame, the notch of said lever being adapted to receive another chain link and carry it into the registering notches of said frame and prevent its removal therefrom, said lever being formed with a tooth adapted to engage said tongue.

1,557,172. CHAIN. NICHOLAS J. KLEIN and JAMES C. LAW, Scranton, Pa., assignors to Wilmot Engineering Company, Hazleton, Pa., a Corporation of Pennsylvania. Filed July 19, 1923. Serial No. 652,567. 6 Claims. (Cl. 74—32.)

1. A chain comprising alternate single and double links having slots extending horizontally therethrough adjacent their opposite ends, each of the said bars of each double link being provided with outwardly extending projections, one projection being situated near one end adjacent one edge thereof and the other projection being situated near the opposite end adjacent the opposite edge thereof, and pintles extending through said slots and pivotally connecting the links together, said pintles each having heads upon their opposite ends for retaining said pintles in engagement with said links, each head having a notch in one of its edges at one end thereof.

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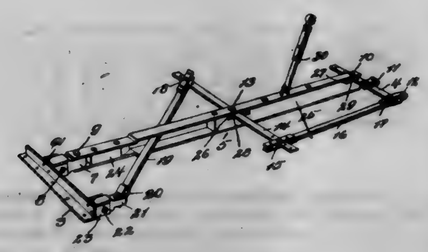
1,557,173. TRAILER HITCHING DEVICE. ARTHUR KREPPEL, Belleville, Ill., assignor of one-half to Marcell A. Miller, Belleville, Ill. Filed June 14, 1923. Serial No. 645,292. 1 Claim. (Cl. 280—33.44.)



A trailer hitching device comprising a draft bar composed of vertically spaced metallic straps, longitudinally spaced reinforcing elements between said straps, a tractor bar, a universal joint connecting the draft bar and tractor bar, a binder bar, means for pivotally connecting the draft bar and binder bar, a translating bar, means for pivotally connecting the translating bar and draft bar, a grain bar, means for pivotally connecting one end of the grain bar with the translating bar and its other end with the binder bar, a cross bar, means for pivotally connecting one end of the cross bar with the translating bar and a universal joint for connecting the other end of the cross bar to the tractor bar, said cross bar being extended between the vertically spaced metallic straps of the draft bar and between the longitudinally spaced reinforcing elements of the draft bar.

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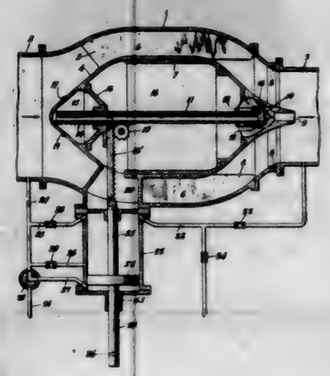
1,557,174. LEATHER-TANNING COMPOUND. GEORGE W. LANGLEY and ARGUS A. HOWELL, Greenbrier, Ark.; said Howell assignor of his entire right to Dan N. Ward, Greenbrier, Ark. Filed Aug. 28, 1922. Serial No. 583,920. 2 Claims. (Cl. 149—4.)

1. A tanning composition comprising extract of sumach, extract of wild cherry bark, gum gambier, and water.

1,557,175. VALVE. CHESTER W. LARNER, Philadelphia, Pa., assignor to William Cramp & Sons Ship and Engine Building Company, a Corporation of Pennsylvania. Filed July 14, 1922. Serial No. 574,887. 17 Claims. (Cl. 137—139.)



13. In a conduit valve the combination with a valve plunger adapted to be moved by fluid pressure, of means for controlling said fluid pressure comprising a pilot valve within the conduit, and fluid pressure operated means controlling said pilot valve and located outside of said conduit.

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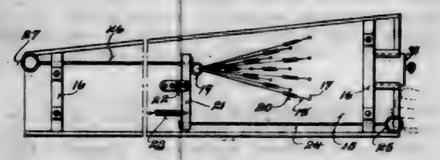
1,557,176. BOWLING ALLEY. HUGO LOEWENBACH, Milwaukee, Wis. Filed Oct. 26, 1923. Serial No. 670,872. 3 Claims. (Cl. 273—39.)



1. A game comprising an alleyway having a forward and rear end, a plurality of pins located adjacent said rear end and adapted to be knocked into a prone position, a flexible member attached to each pin and adapted to set such pin in upright position when tensioned, a movable member carried by said alleyway and adapted to simultaneously tension all of said flexible members when moved, and manually operable means connected to a portion of said member and extending to one end of said alley, and a second manually operable member connected to another portion of said member and extending to the other end of said alley.

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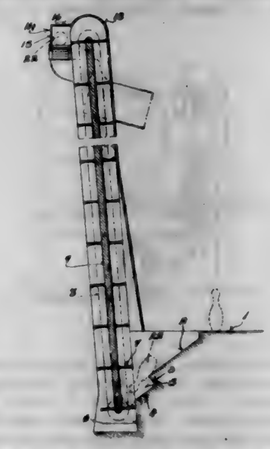
1,557,177. AUTOMATIC PIN SETTER. CHARLES LORENZ and EMIL KUNISH, Manitowoc, Wis. Filed Mar. 18, 1925. Serial No. 16,519. 4 Claims. (Cl. 213—43.)

1. In an automatic pin setting machine for bowling alleys, the combination of a bowling alley having a downwardly slanting rear surface down which the dislodged pins are adapted to travel, said alley having a depressed step provided with an abrupt edge adjacent its lower portion, and a conveyor provided with elevating flaps adapted to receive the pins, said conveyor being located rearwardly of and adjacent said step, said conveyor





being spaced from the abrupt edge of said step less than the length of a pin, whereby a pin resting upon such abrupt edge will be dislodged by said conveyor and will roll on to said conveyor.

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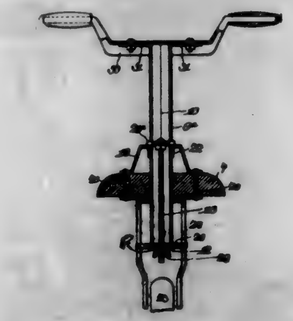
1,557,178. STEERING MECHANISM FOR CHILDREN'S VEHICLES. WILLIAM E. MCLAREN, Los Angeles, Calif. Filed Dec. 26, 1924. Serial No. 757,978. 3 Claims. (Cl. 208—114.)



1. In a mechanism of the class described, the combination with a seat board of a vehicle having a vertical opening near one of its ends, of a collar surrounding said opening, and secured to the upper surface of said board, a steering post rotatably journaled in said collar and board opening, a hanger mounted on the lower portion of said post to turn therewith and having a transverse portion at its upper end located adjacent the lower surface of said board, and a steering wheel journaled on the lower portion of said hanger.

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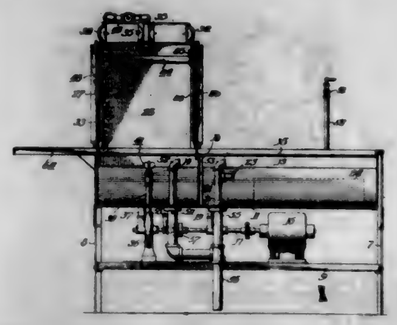
1,557,179. DISHWASHING MACHINE. JOSEPH A. MASONICK, Lake Bluff, Ill., assignor to J. A. Masonick Company, Lake Bluff, Ill., a Corporation of Illinois. Filed May 6, 1921. Serial No. 467,299. 7 Claims. (Cl. 141—9.)

1. In a dish washing machine, the combination of a receptacle provided near the top with longitudinally extended supporting ledges, a dish tray adapted when disposed longitudinally of the receptacle to be submerged in the water therein and when disposed transversely to be slidably supported on said ledges, means for circulating the washing water in said receptacle around the submerged dishes in said tray, a rinsing chamber at one end of said receptacle into which a tray of dishes may



be slid along said ledges, a rinsing receptacle beneath said chamber, means for delivering the rinsing water from said receptacle upwardly and downwardly against the dishes in said chamber, doors for closing the sides of said chamber, and a drain board at the opposite side of said chamber from said receptacle onto which the dishes may be slid from said chamber.

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1,557,180. RECEPTACLE CHARGER. WILEY O. MELTON, Rocky Mount, N. C. Filed July 21, 1924. Serial No. 727,257. 3 Claims. (Cl. 214—17.)

1. A receptacle charger comprising a portable platform provided with supporting means, and means for attachment within the opening of the receptacle, comprising sill-engaging keepers and apron-engaging tongues.

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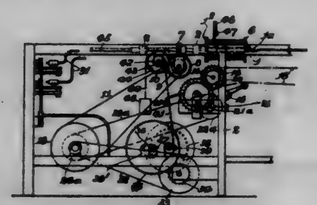
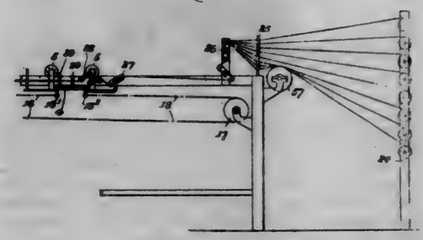
1,557,181. PROCESS OF MAKING CASEIN. ADOLPH MESSMER, San Francisco, Calif. Filed May 26, 1923. Serial No. 641,749. 7 Claims. (Cl. 99—11.)

1. The method of making casein which comprises precipitating the curd, separating the whey from the curd, discharging the curd from its container in a stream and directing a stream of cold water under pressure into the discharging curd stream, draining the water from the curd and subjecting the curd to centrifugal force and simultaneously applying wash water thereto.

1,557,182. MACHINE FOR CURLING AND/OR DECURLING YARNS. BENJAMIN DISRAELI MICKLETHWAITE, Huddersfield, England. Filed June 27, 1923. Serial No. 648,005. 5 Claims. (Cl. 118—21.)





1. In a machine of the class described, a revoluble curling spindle for engaging with the two parts of the yarn, a carriage slidable longitudinally of the spindle, separating devices mounted on the carriage and operating to divide a series of previously spun yarns into two parts, and driving devices operating to revolve the curling spindle and to slide the carriage back and forth at a predetermined speed proportioned to the speed of the spindle.

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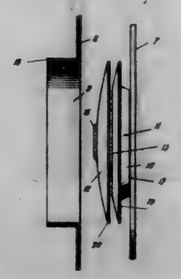
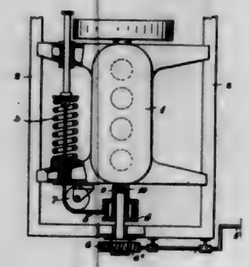
1,557,183. ATTACHING MEANS. DE WITT TALMADGE MOATS, Indianapolis, Ind. Filed Dec. 26, 1924. Serial No. 758,224. 7 Claims. (Cl. 292—307.)



1. The combination with an object to bear against another object beyond the edge of an opening in the secondnamed object, of two resilient members carried by the firstnamed object and arranged to move in succession into said opening and to frictionally engage the wall of the opening, each of said members being adapted to be sprung when entering the opening to grip the wall of the opening with a binding action, the member which enters the opening first being rotatable with reference to the firstnamed object and the other member being non-rotatable with reference to said object.

1,557,184. STARTING DEVICE FOR INTERNAL-COMBUSTION ENGINES. FRIEDRICH MÜLLER, Vienna, Austria. Filed Aug. 9, 1921. Serial No. 491,005. 9 Claims. (Cl. 185—41.)



1. The combination with an internal-combustion engine, of a starting device therefor, comprising resilient means operable, when stressed, to rotate the engine-shaft, a self-locking worm-gearing comprising a worm and a worm-wheel adapted to be engaged with and disengaged from each other, means for disengaging said gearing from the resilient means and operative connections, between said worm-gearing and said resilient means.

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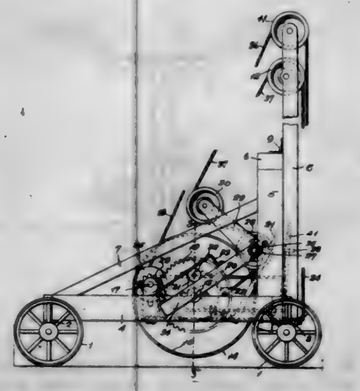
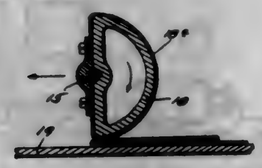
1,557,185. WELL-DRILLING MACHINE. JOHN M. MYERS, Scottsville, Ky. Filed Aug. 19, 1924. Serial No. 732,950. 1 Claim. (Cl. 255—11.)



In a well drilling machine, a power shaft having a belt wheel provided with an inner circumferential track, an auxiliary shaft provided with a friction wheel bearing against said track, a drill rope drum loose upon said power shaft and carrying a spur gear wheel, a casing rope drum loose upon said auxiliary shaft, a pinion fast upon said auxiliary shaft and having a clutch connection with said casing rope drum and being slidable to release said clutch and mesh with said spur gear wheel, said auxiliary shaft being pivoted at one end and movable to disengage said friction wheel from said track, and a rock shaft carrying a drill rope guide pulley and fast upwardly and forwardly projecting arms provided at their free ends with a drill rope guide pulley overlying said drill rope drum and a fast downwardly and forwardly projecting rocker arm, said power shaft having a crank engaging said rocker arm.



1,557,186. LEATHER-GRAINING MACHINE. GEORGE S. NEELEY, Wood River, Ill., assignor of one-half to Griffin Watkins, Alton, Ill. Filed Jan. 7, 1925. Serial No. 1,061. 6 Claims. (Cl. 149—23.)



1. A leather graining machine comprising in combination a revoluble presser roller, means for moving said roller in a horizontal plane, and braking means movable with said roller and exerting braking action on said roller for preventing free rotary movement thereof.

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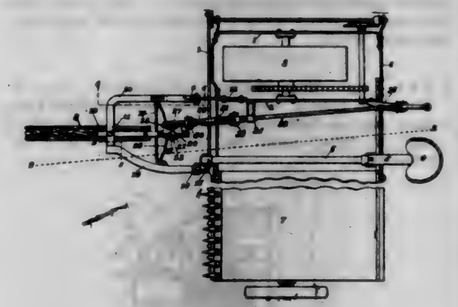
1,557,187. DRAFT DEVICE. NICHOLAS R. NELSON, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Mar. 8, 1920. Serial No. 363,934. 2 Claims. (Cl. 280—33.6.)



1. A draft device for agricultural machines, having in combination a draft frame pivotally connected to the machine, a draft tongue pivotally supported intermediate its ends on said frame and extending rearwardly therein from its pivot, an arcuate member rigidly supported on both sides of said frame and concentric with the pivot of the tongue, a series of notches in said member, gearing mounted on the rear end of the tongue engaging with said notches, and means supported on the machine frame flexibly connected with said gearing and operable to actuate said gearing whereby the tongue is swung to either side of the normal line of draft.

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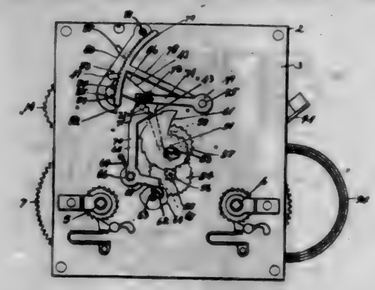
1,557,188. PROCESS OF PURIFYING WASTE WATERS. JAMES A. NEWLANDS, Hartford, Conn. Filed Jan. 19, 1921. Serial No. 438,515. 6 Claims. (Cl. 210—23.)

1. The process of purifying waste waters containing sulphuric acid, to prevent the contamination of streams, which consists in removing such impurities as tend to impair the quality of the resulting product, adding zinc to the liquor to produce sulphate of zinc, adding barium sulphides, and separating the resulting sulphide of zinc and sulphate of barium from the liquor.

1,557,189. CLOCK MECHANISM. STEPHEN A. PAVEY, Philadelphia, Pa. Filed Aug. 1, 1924. Serial No. 729,474. 14 Claims. (Cl. 58—13.)



1. In a device of the character stated, the combination of chime hammers, a music roll for actuating said chime hammers, a striker hammer, means for placing said striker hammer in and out of operative position, a notched disc revolving with the music roll for controlling said means, a segmental gear revolving in unison with the notched disc and music roll, means for transmitting motion to said segmental gear, a time mechanism and a mechanism controlled by the time mechanism for starting the segmental gear at predetermined intervals for synchronizing the different hammers with the time mechanism.

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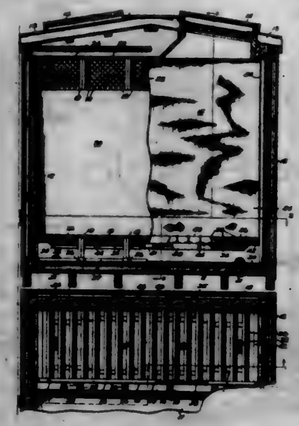
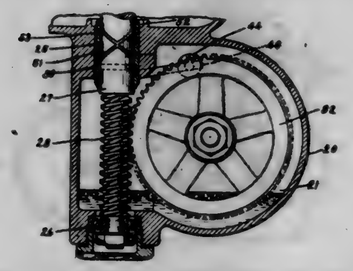
1,557,190. REFRIGERATOR CAR. DAMIAN L. REYNOLDS, San Francisco, Calif., assignor of one-half to Luther L. Yates, San Francisco, Calif. Filed Jan. 8, 1923. Serial No. 611,481. 18 Claims. (Cl. 62—19.)



15. In a refrigerator car having an ice compartment and a cargo compartment, a bulkhead between said compartments comprising a plurality of vertically extending sections placed with their vertical lateral edges substantially abutting, each of said sections comprising a sheet metal wall having flanged lateral edges for reinforcing said wall, means for connecting the lateral flanges of adjoining sections, a horizontally extending flange at the upper end of each section, means for securing said horizontally extending flange at the upper part of the car, a sill member secured to the floor of the car, and means for fastening the lower ends of said lateral flanges to said sill members.

1,557,191. SPINDLE LUBRICATOR. ROSS BIDDLE, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 26, 1923. Serial No. 677,167. 2 Claims. (Cl. 308—168.)



1. A lubricating apparatus for bearings comprising, in combination with a bearing, a lubricant reservoir, a disc rotatable through said lubricant and having its rim located adjacent a wall of said reservoir, and a movable wiper supported by said wall and resiliently engaging a relatively small portion of the end face of the disc, and a duct provided by said wall for conducting to the bearing lubricant removed by the wiper.

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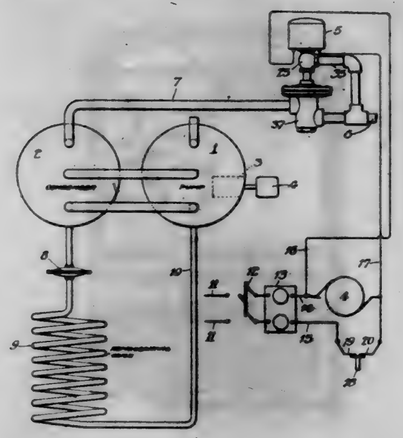
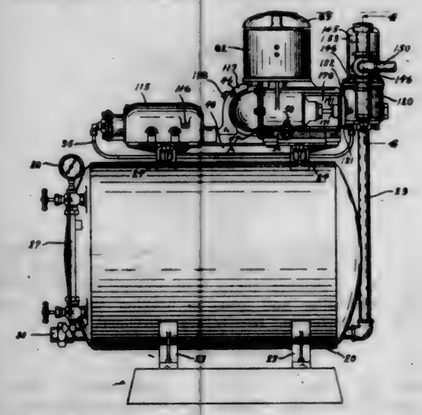
1,557,192. REFRIGERATING APPARATUS. ERNEST J. BRUNNING, Chicago, Ill., assignor, by mesne assignments, to Delco-Light Company, Dayon, Ohio, a Corporation of Delaware. Filed Apr. 26, 1920. Serial No. 376,540. 6 Claims. (Cl. 62—4.)



1. In a refrigerating system, the combination with a condenser; of a pump for causing a refrigerant to flow to the condenser; a motor for operating the pump; a conduit for supplying cooling water to the condenser; a main valve controlling the conduit; and means for opening and closing the main valve, said meanscomprising a fluid pressure device including a branch conduit connected with said cooling water conduit, a second valve for controlling said device, a single electromagnet for operating the second valve, and means rendered operative immediately upon the closing of the second valve for permitting the closing of the main valve.

1,557,193. PUMPING APPARATUS. GEORGE A. BUVINGER and CLARENCE WARNER, Dayton, Ohio, assignors to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 19, 1923. Serial No. 626,174. 8 Claims. (Cl. 103—57.)



1. Pumping apparatus comprising, in combination, a transmission housing including a frame having vertically aligned bearings in its upper and lower walls; a motor mounted on said frame and including a shaft journalled in said bearings; a pump mounted on said frame; and mechanism in said housing for connecting the pump with the motor shaft.

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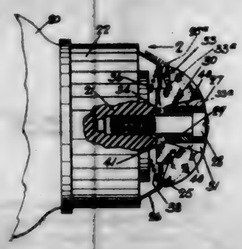
1,557,194. ELECTRICAL APPARATUS. JOHN G. CAMPBELL, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 27, 1924. Serial No. 702,457. 2 Claims. (Cl. 177—279.)



1. An electric motor comprising, in combination, a shaft; a commutator mounted on the shaft; and a short circuiting device for the commutator including: an axially movable short circuiting contact for engaging the commutator segments, a spring for urging said contact out of short circuiting position, a plurality of centrifugal arms for urging said contact into short circuiting position at a predetermined speed of rotation, a retaining member for said arms mounted upon said shaft, said arms each having a lug loosely set in a socket in said retaining member forming a pivot for said centrifugal arms, said arms being held against radial displacement from said sockets by said short circuiting contact.

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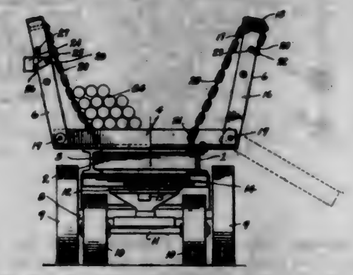
1,557,195. TRUCK. ROWLAND C. CLAPP, Portland, Oreg. Filed Oct. 25, 1924. Serial No. 745,773. 3 Claims. (Cl. 280—145.)

2. In a trucking vehicle of the class described, a frame, bolsters extending transversely of the frame, standards pivotally fixed at their lower ends to the ends of the bolsters to swing in vertical planes between upwardly inclined load supporting positions and downwardly inclined positions, shafts extended rotatably through the upper ends of said standards, hooks on said shafts, releasable means for normally preventing rotation of the



shafts and anchor chains, or the like, attached to the bolsters within the pivot points of the standards and adapted for releasable connection at their upper ends with the hooks of said shafts to sustain the standards in load supporting position.

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1,557,196. DECORATIVE ARTICLE OF MANUFACTURE. HENRY M. CONGER, Seattle, Wash. Filed May 21, 1923. Serial No. 640,414. 2 Claims. (Cl. 41—16.)

1. A new decorative article of manufacture, comprising a plurality of tinsel streams cut from a film of glutinous substance; said streamers being in various colors, transparent and iridescent, whereby prismatic effects similar to those of ice crystals are produced by light rays.

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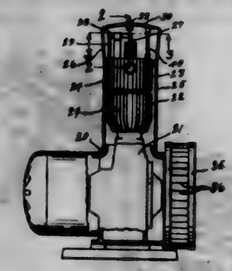
1,557,197. ENGINE. ERNEST DICKEY, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 24, 1924. Serial No. 688,306. 3 Claims. (Cl. 123—171.)

1. In an internal combustion engine in combination with a cylinder having heat dissipating fins, means for cooling the cylinder including a draft tube surrounding





the cylinder, overhead valve mechanism, a removable tube cap supported by the draft tube and enclosing said valve mechanism, said cap being provided with ports



in the top wall thereof, a valve carried by said top wall of the cap for closing or opening said ports, and temperature responsive means located above the cylinder and within the draft-tube cap for adjusting said valve.

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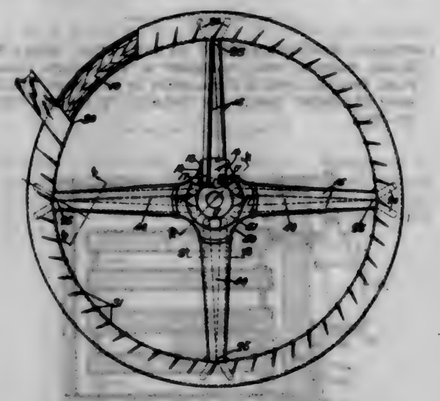
1,557,198. STEERING WHEEL. HARVEY D. GEYER, Dayton, Ohio, assignor to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 23, 1924. Serial No. 687,942. 13 Claims. (Cl. 74—33.)



1. A handwheel having a rim and a spider, said spider including a metal hub and a plurality of separate metal spokes rigidly secured thereto, said spokes having their outer ends bent at an angle and inserted in corresponding recesses in the rim whereby said spokes are locked against radial withdrawal, alternate spokes having their outer ends bent in different directions.

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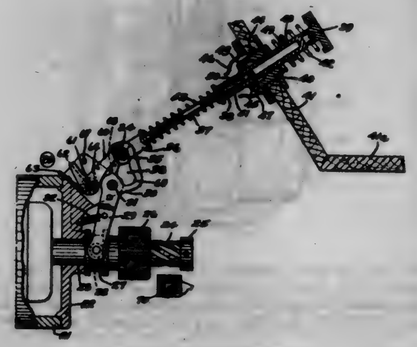
1,557,199. ENGINE-STARTING APPARATUS. FREDERICK J. HARDMAN, Dayton, Ohio, assignor to General Motors Corporation, a Corporation of Delaware. Filed Apr. 28, 1924. Serial No. 709,353. 9 Claims. (Cl. 74—7.)

1. Engine starting apparatus comprising, in combination, an engine having a gear; a motor and shaft driven thereby; a motor operated gear movable into mesh with the engine gear; manual means for entering the motor gear into mesh with the engine gear and for capsing the motor to operate the shaft; means connecting the

shaft and motor gear and adapted to cause the motor gear to be operated by the motor into engagement with the engine gear independently of operation by the manual means, said means tending to cause demeshment of the motor gear from the engine gear when the engine be-



comes self-operative; and means for weakening the effect upon the motor gear of the moving forces exerted by the manual means after the motor starts, whereby automatic demeshment of the motor gear may take place regardless of manipulation of the manual means.

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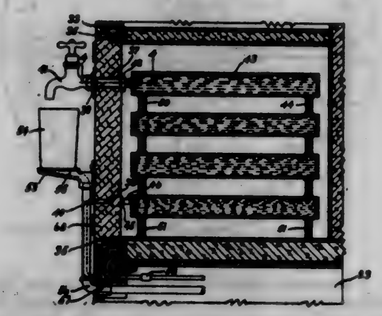
1,557,200. REFRIGERATING APPARATUS. HARRY B. HULL, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 29, 1924. Serial No. 702,972. 3 Claims. (Cl. 62—38.)



3. An attachment for refrigerator cabinets having a door opening and door therefor, said attachment including a door, a panel pivotally carrying said door, said panel and door being insertable with the door opening for completely covering the opening, and a water cooler unit carried by the panel and insertable through said opening.

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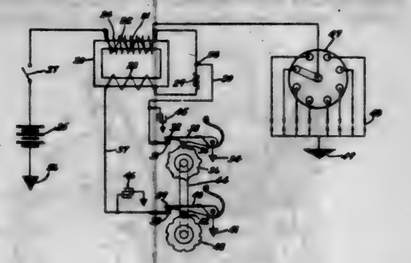
1,557,201. IGNITION APPARATUS. JOHN H. HUNT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 21, 1925. Serial No. 17,363. 5 Claims. (Cl. 123—148.)

1. An ignition system comprising, in combination, a current source, an ignition coil having primaries of different inductances, and a secondary inductively related to both primaries, and timing mechanism for causing



one primary only to be connected with the current source, then both primaries in series with the source, and then for interrupting the current to the primaries.

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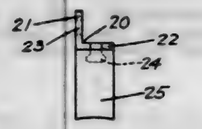
1,557,202. GENERATOR BRUSH. JOHN H. HUNT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 3, 1923. Serial No. 666,261. 3 Claims. (Cl. 171—325.)




1. The method of making a composition brush which comprises forming a bracket having two sides angularly arranged; forming tongues projecting from one of the sides and a plurality of holes in the other side; and pressing a mass of conducting material onto the side of the bracket including the tongues whereby said mass will have the tongues embedded in its body portion forming an integral whole.

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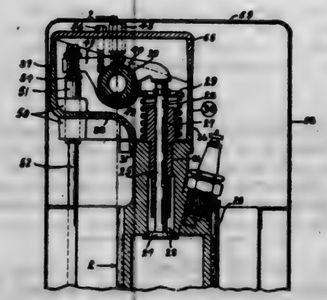
1,557,203. ENGINE. LESTER S. KEILHOLTZ and ERNEST DICKEY, Dayton, Ohio, assignors to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 3, 1923. Serial No. 655,503. 5 Claims. (Cl. 123—90.)



1. In a device of the kind described, and in combination with an internal combustion engine cylinder, a housing supported by said cylinder above the upper



end thereof; a hollow pin the ends of which are supported in bearings carried by said housing; a rocker arm located within said housing, and one end of which is adapted to engage and operate a valve of the engine; a push rod for operating said rocker arm; a removable cover for said housing, and which cover has a hole in its upper surface; and a hollow conduit the lower end of which engages said pin to thereby hold it in place within its bearings, and the upper end of which conduit extends through the hole aforesaid in the cover of said housing.

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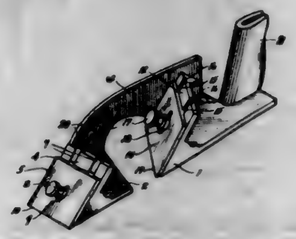
1,557,204. CARPENTER'S PLANE. MYRON E. KENNEY, Everett, Wash. Filed Oct. 15, 1923. Serial No. 668,563. 1 Claim. (Cl. 145—5.)



A plane of the class described, formed from a single metal piece, comprising a floor base and a longitudinally extended side flange at right angles thereto, an inclined flange at the forward end thereof at right angles to the direction of movement of the plane and comprising means for adjustably sustaining a cutter blade in functional position, an inclined flange rearwardly of the forward flange disposed at an angle with respect to the movement of the plane and having means for adjustably sustaining a cutter blade in functional position and a rearward flange to form a handle for the plane.

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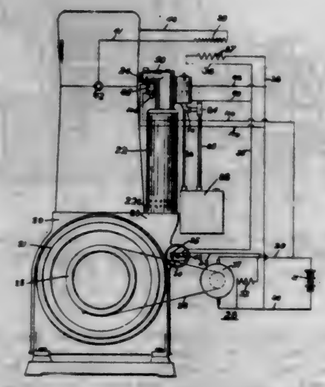
1,557,205. AUTOMATIC SWITCH. CHARLES F. KETTERING, Dayton, Ohio, assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 21, 1919. Serial No. 332,287. 14 Claims. (Cl. 200—56.)

1. A device of the kind described comprising the combination of an automatic switch, having cooperating contacts; of a meter; of a mechanism operated by the meter, said mechanism including a movable resilient member; and means provided in the path of movement of said resilient member for causing energy to be stored therein as the member is moving, and for permitting said resilient member to be released and to suddenly strike against one of said contacts thereby obtaining a quick actuation of said contacts.

1,557,206. FUEL-SUPPLY DEVICE. CHARLES F. KETTERING, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Original application filed Sept. 23, 1918, Serial No. 255,294. Divided and this application filed Mar. 18, 1922. Serial No. 543,200. 9 Claims. (Cl. 123—139.)



1. In a device of the character described, the combination with an engine; of electro-magnetic pump means for lifting liquid to a higher level comprising a plurality of electromagnet circuits; and means actuated by the engine for successively energising said circuits.

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1,557,207. IGNITION APPARATUS. FREDERICK C. KROMER, Anderson, Ind., assignor to General Motors Corporation, a Corporation of Delaware. Filed Nov. 20, 1923. Serial No. 675,945. 3 Claims. (Cl. 74—1.)

1. A cam rubbing block having angularly disposed legs and including a plurality of layers of cloth which extend into both legs, the warp threads of the cloth extending substantially parallel to the side faces of the legs.

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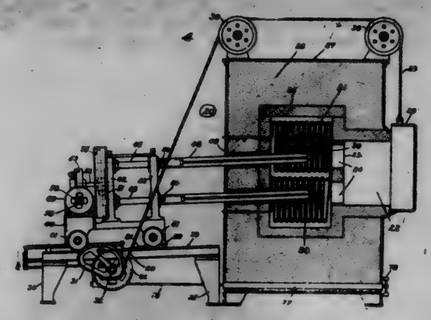
1,557,208. FURNACE. CHARLES L. LEE and THOMAS C. VAN DERGIFT, Dayton, Ohio, assignors to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 11, 1924. Serial No. 691,928. 8 Claims. (Cl. 263—6.)

3. Heat treating apparatus comprising in combination, a furnace including a heating chamber; a vestibule separated from the heating chamber by an apertured partition; a carriage having two positions; work-piece-supporting spindles rotatably carried by the carriage, and extending through one wall of the heating chamber so that their free ends are in the heating chamber when the carriage is in its retracted position; means on the carriage for rotating the spindles; and means for mov-

ing the carriage into its forward position whereby the spindle ends will be moved from the heating chamber



through the apertured partition into the vestibule, the main body of the spindles extending through the heating chamber while in this position.

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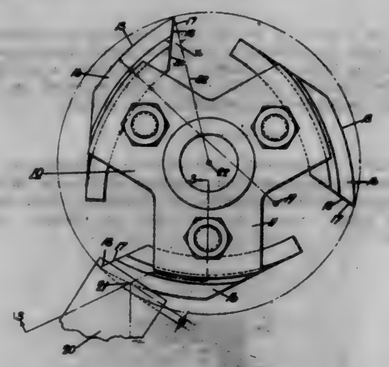
1,557,209. ROTARY CUTTER. JOHN W. LEE, Dayton, Ohio, assignor to Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 25, 1924. Serial No. 694,815. 3 Claims. (Cl. 144—231.)



1. In a machine for cutting scarf joints, a rotary cutter comprising: a cutter head, a plurality of cutter blades fixed upon said head, said blades having a plurality of radial cutting edges making radial cuts in the work and a plurality of angular cutting edges making cuts at a substantial angle to the radial cuts, the faces in which both radial and angular cutting edges lie being backed off from the work cut thereby in both radial and axial directions, and means permitting said blades to be set forward upon said head whereby said blades may be ground back for resharpening purposes and again set so that their cutting edges are in their original position.

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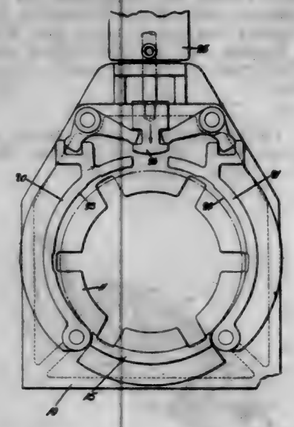
1,557,210. METHOD OF CONSTRUCTING WHEEL RIMS. JOHN W. LEE, Dayton, Ohio, assignor to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 5, 1924. Serial No. 697,161. 2 Claims. (Cl. 144—309.)

1. The method of joining together separate wood segments to form an annulus, comprising: cutting mutually intermeshing teeth in the ends of said segments, applying glue to said ends to fully cover all contacting surfaces thereof, arranging said segments together in the form of an annulus and then applying a high radial pressure upon the outer periphery of the annulus for a short interval of time, said pressure being sufficiently high to press the intermeshing teeth of said segments



so tightly together that they hold together with considerable tenacity after said pressure is removed and before the glue has had time to begin drying, and then permitting the glued joints to dry with no radial pressure upon said annulus.

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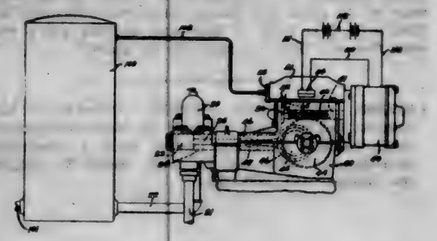
1,557,211. PUMPING APPARATUS. RALPH L. LEE, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 26, 1923. Serial No. 677,171. 5 Claims. (Cl. 103—25.)



1. A pumping system comprising, in combination, a storage tank, pressure means connected with said tank, a prime mover for said pressure means, driving mechanism between said prime mover and pressure means, a normally closed switch for controlling said prime mover, switch operating means actuated by the driving mechanism for operating said switch, but which means is normally disengaged from said switch so as not to operate the same, and means responsive to a rise in pressure in the system for conditioning said switch operating means so that the switch will be operated by the driving mechanism.

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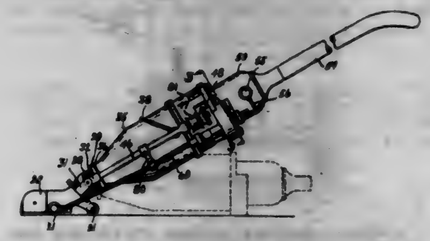
1,557,212. DOMESTIC APPLIANCE. RALPH L. LEE, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 14, 1924. Serial No. 686,124. 1 Claim. (Cl. 15—8.)

In a vacuum cleaner, a suction nozzle having a mechanical cleaner therein, a handle hinged to said nozzle for manipulating the same, said handle including a tubular portion enclosing a suction pump, and motor for driving the pump, and means for driving the mechanical cleaner by the motor, said means including a flexible shaft extending along the tubular portion but removed from the under side and upper side thereof, whereby the



tubular portion may rest directly upon the floor when cleaning under low articles of furniture, and movement of the cleaner under said furniture will not be hindered by said flexible shaft.

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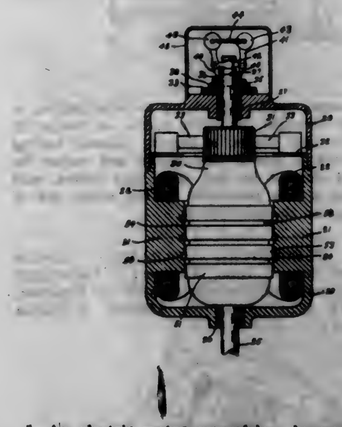
1,557,213. ELECTRICAL APPARATUS. RALPH L. LEE, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 25, 1924. Serial No. 694,835. 2 Claims. (Cl. 171—227.)



1. An electric motor comprising, in combination, field poles provided with grooved faces, an armature provided with an annularly grooved core and adapted to be shifted endwise between said pole pieces, and speed responsive means for shifting the armature endwise thereby varying the relative position of said grooves to vary the motor field strength and maintain the speed of the motor substantially uniform.

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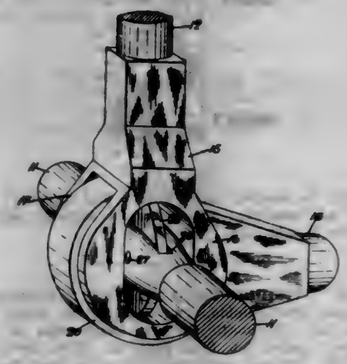
1,557,214. AIRPLANE-CONTROL MECHANISM. JOSEPH L. MCCLANE, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 14, 1922. Serial No. 536,589. 6 Claims. (Cl. 244—29.)

1. In airplane control mechanism, a torque shaft, a second torque shaft intersecting said first torque shaft, an actuating handle for said torque shafts, and means for pivoting the handle to the torque shafts in such a way that either shaft may be actuated independently of the other, said pivoting means comprising a fork on the



handle pivoted to the first torque shaft, and a cross member in said fork for pivoting to the second torque shaft.

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1,557,215. SWITCH. HARRY E. NORVIEL, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 28, 1921. Serial No. 481,138. 7 Claims. (Cl. 200—168.)

7. In a switch, the combination with a switch handle having a rotatable hub; of a switch contact blade and means for locating and fastening said contact blade to said hub in insulated relation therewith, said means comprising an insulating locating washer drivingly positioned upon the end face of said hub, means for both locating and driving said contact blade through said washer and a screw extending through said contact blade but insulated therefrom for securing said insulating washer and contact blade to said hub.

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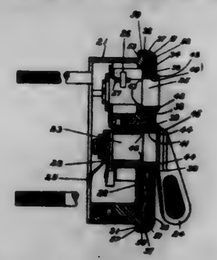
1,557,216. SWITCH. HARRY E. NORVIEL, Anderson, Ind., assignor to General Motors Corporation, a Corporation of Delaware. Filed Feb. 11, 1922. Serial No. 535,920. 7 Claims. (Cl. 200—168.)

1. In a switch, the combination with a switch case, a dial and a transparent dial cover spaced apart and

having aligned openings, and switch controlling members extending through said openings and into said case;



of means for sealing together said dial and dial cover around said openings; and means for securing said dial and cover to said case.

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1,557,217. VISIBLE-CARD SYSTEM. WILLIAM A. RINGLER, Philadelphia, Pa., assignor to Globe Wernicke Co., Cincinnati, Ohio, a Corporation of Ohio. Original application filed Sept. 25, 1920, Serial No. 412,855. Divided and this application filed Nov. 29, 1922. Serial No. 603,913. 2 Claims. (Cl. 40—63.)

1. The herein described filing card having a double fold forming an upper and a lower terminal tab of substantially equal dimensions and extending in opposite directions, said upper terminal tab having a portion of its outer face forming a recording portion designed to receive the filing indicia and the width of said lower tab when two cards are assembled defining the visibility of such indicia.

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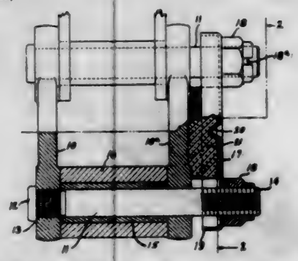
1,557,218. PROCESS OF MAKING HOLLOW ARTICLES. JOSEPH N. ROYAL, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario, Canada. Filed Nov. 3, 1924. Serial No. 747,457. 6 Claims. (Cl. 92—54.)

1. The process of forming a hollow article composed of two telescoping parts, which comprises forming a single integral article having portions corresponding to the said parts, the inner diameter of the one corresponding to the outer diameter of the other, said portions being spaced from each other and united by a wall extending from the one to the other and thereafter removing said uniting wall.

1,557,219. SPRING SHACKLE. FABIO SEGGARDI, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 14, 1924. Serial No. 699,187. 8 Claims. (Cl. 267—54.)



1. A shackle comprising relatively movable side links, cross connections, and an elastic body of rubber disposed intermediate the cross connections in such manner as to force said side links yieldingly toward each other.

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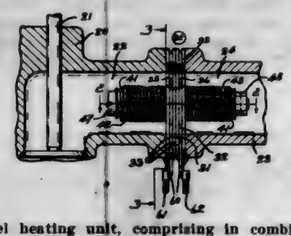
1,557,220. MIXTURE-HEATING DEVICE FOR INTERNAL-COMBUSTION ENGINES. FRANK F. STARR, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 26, 1923. Serial No. 677,136. 7 Claims. (Cl. 219—38.)



1. A fuel heating unit, comprising in combination, a pair of parallel electrical conductor plates, an insulating member between said plates, a heating element having one end connected to one of said plates, and means for supporting said element by and from said plates, said means including a bolt connected to the other end of said element and to the other plate.

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1,557,221. ELECTRICAL APPARATUS. CORNELIS VAN RENNES, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 24, 1923. Serial No. 676,826. 6 Claims. (Cl. 172—240.)

1. Reversing mechanism comprising, in combination, an electric motor having a commutator and a rotatable brush holder carrying commutator brushes and means for maintaining the brushes in frictional engagement with the commutator, a device which in one position prevents rotation of the brush holder in the direction of rotation of the commutator, but is movable to another position for releasing the brush holder to permit the brushes to rotate with the commutator into position for reversing the motor, and then to engage the brush holder to prevent rotation of the same upon reversal of the motor, and vice versa, and means for controlling said device.



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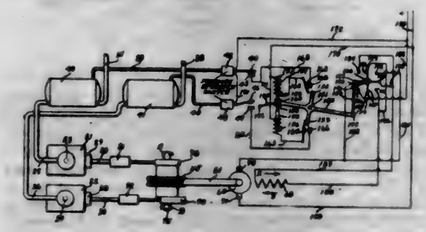
1,557,222. PUMPING APPARATUS. CLARENCE WARNER, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed July 2, 1923. Serial No. 649,094. 15 Claims. (Cl. 103—6.)



1. Water supply apparatus comprising, in combination, a plurality of water systems; power operated means including two separate and independent pumps for causing water to be supplied to either of said systems; and devices responsive to a demand in either of said systems for causing the power operated means to supply water to that system.

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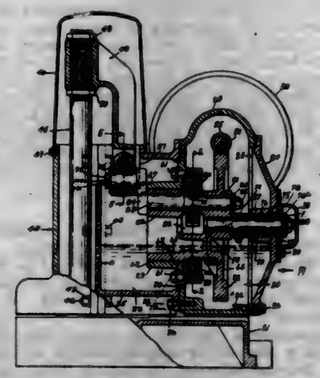
1,557,223. PUMPING APPARATUS. CLARENCE WARNER, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 3, 1923. Serial No. 666,282. 4 Claims. (Cl. 24—14.)



1. A pump operating device comprising a hollow frame enclosing various of the parts thereof and having a vertically extending pump rod passage open at its upper end, a lubricant containing chamber provided with an opening in its top located adjacent the open upper end of said passage, a vertically arranged wall separating said chamber and passage from one another, and an internal annular bearing flange; a reciprocating pump rod extending along said passage; a reciprocating member the upper end of which is operatively connected with said pump rod, and the lower end of which is arranged to move through the opening aforesaid in the top wall of said lubricant containing chamber; a rotatable operating member housed within said hollow frame and supported in said annular bearing flange; mechanism carried by said rotatable operating member and operatively connected with said reciprocating member to thereby impart reciprocatory movement to said pump rod; and a motor operatively connected with said rotatable operating member to drive the same.

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1,557,224. PUMPING APPARATUS. CLARENCE WARNER, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 23, 1923. Serial No. 670,355. 8 Claims. (Cl. 103—179.)

1. In combination, a discharge head located within a well below the surface of the ground, a suction lift pump including a piston and a cylinder, a hanger attached to one end of the cylinder, said hanger adapted to be seated within the discharge head and provided with an outlet port in communication with an outlet port in the discharge head, and means for maintaining the hanger in seated position.

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1,557,225. STEERING WHEEL. WALLACE S. WHITTAKER, Dayton, Ohio, assignor to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 24, 1923. Serial No. 682,366. 6 Claims. (Cl. 74—93.)

1. A steering wheel having a rim and a plurality of wooden spokes, and a metal spider hub having sockets therein for receiving the inner ends of said spokes, said hub having projections extending outwardly along the under side of said spokes beyond the periphery of the upper portion of said hub, and rigidly secured to said wooden spokes.

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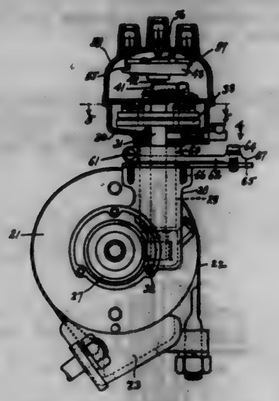
1,557,226. IGNITION-TIMER ADJUSTMENT. CHARLES E. WILSON, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 9, 1921. Serial No. 521,234. 4 Claims. (Cl. 200—19.)

4. In an ignition timer, the combination with a frame member; and an indexing member extending therefrom; of a timer housing having a tubular shank journalled in said frame member; a lever including a split collar

portion surrounding said shank and an arm portion extending therefrom; a screw for tightening said collar portion about said shank in various positions of adjustment; and a screw threaded into said indexing mem-



ber and passing through an arcuate hole in said lever arm for attaching the lever to the indexing member in various positions of adjustment, said lever arm having a pointer cooperating with indicia on the indexing member.

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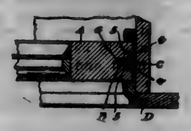
1,557,227. WEATHER-STRIP DEVICE. WILLIAM R. WOOD, Crafton, Pa. Filed Aug. 19, 1921. Serial No. 493,505. 7 Claims. (Cl. 20—69.)



1. A groove liner for sashes comprising a metal strip having a channel formed therein which is adapted to be received in a groove, and turned over edges at the side of the channel having integral means thereon adapted to be driven into wood to hold the liner in position, said edges being turned back in the same direction as the channel and overlying the channel.

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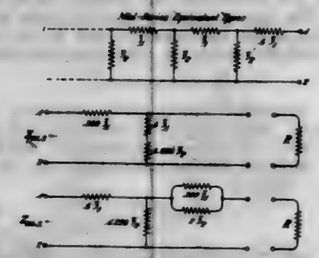
1,557,228. PAPER AND PLASTER-FOUNDATION SUPPORTING DEVICE. GUY L. WOODYARD, San Diego, Calif. Filed Aug. 24, 1922. Serial No. 584,148. 3 Claims. (Cl. 72—118.)

1. A device of the class described, including a yieldable plaster foundation supporting member formed with consecutive alternately disposed loop portions and a pointed securing member positioned at a substantial right angle to one side of said supporting member and extending therethrough adapted to secure said supporting member to a wall structure.

1,557,229. TERMINATING NETWORK FOR FILTERS. OTTO J. ZOBEL, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 30, 1920. Serial No. 377,964. 20 Claims. (Cl. 178—44.)



1. In a transmission circuit a wave filter comprising a plurality of like sections, each section comprising series and shunt impedance elements, at least one of said elements including both inductance and capacity, and a terminating network unlike said sections associated with said filter, said network being so proportioned as to neutralize the reactance component of the impedance of the filter over practically the entire range of free transmission and to equalize the corresponding resistance component to a constant value.

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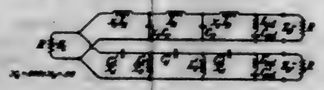
1,557,230. COMPLEMENTARY FILTER. OTTO J. ZOBEL, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 30, 1920. Serial No. 377,965. 10 Claims. (Cl. 178—44.)



1. A selective circuit comprising a plurality of filters, each consisting of a plurality of like sections, and each section including shunt and series impedance elements, the filters being joined at one end of each so that certain frequencies may be diverted into one filter, and other frequencies into another filter, the filters at the junction point being terminated respectively in fractional sections so proportioned that for the free transmitting range of each filter the remaining filter or filters operate to reduce impedance irregularities of said each filter.

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1,557,231. SEALING COMPOSITION COMPRISING SULPHUR-BONDED FIBROUS MATERIAL. FRANK ALOIS ADAMSKI, Fremont, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed Feb. 24, 1923. Serial No. 621,091. 6 Claims. (Cl. 106—8.)

4. A composition for use in sealing and the like, comprising a mixture of sulphur, fibrous material and an inert granular material, the sulphur being the major constituent and the proportion of fibrous material being not less than about 10% of that of the sulphur.

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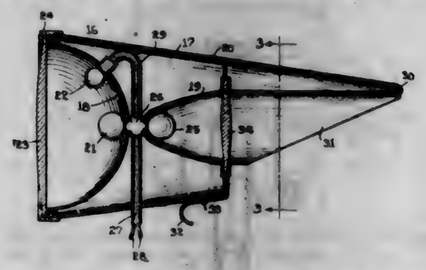
1,557,232. AUTOMOBILE HEADLIGHT. WILLIAM SAYRE ALLEN, Birmingham, Ala., assignor of nine-tenths to A. T. Newell, Jefferson County, Ala. Filed June 21, 1924. Serial No. 721,547. 4 Claims. (Cl. 240—7.1.)

1. In an automobile headlight a conical casing a forwardly directed reflector within the larger end of said casing for directing the light along the path of travel,



a rearwardly directed reflector within the smaller end of said casing for directing the light rearwardly and against the vehicle body, the smaller end of said casing being cut away to provide a rearwardly extending tapered



overhanging portion, said rearwardly directed reflector comprising a plurality of sections, the section at the inner end being parabolical in form and the section forming the outer end being pivoted at its outer end to said overhanging portion, substantially as set forth.

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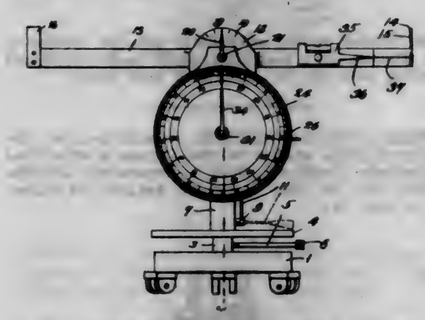
1,557,233. TRANSIT. PIERCE BUTLER ANDERSON, Brownsville, Tenn. Filed July 7, 1923. Serial No. 650,078. 4 Claims. (Cl. 33—60.)



1. In a transit, the combination with a standard, of a sight arm adjustable to different angles relative to the standard, a graduated dial fixed relative to the standard, a segmental plate adjustable angularly with the sight arm, a wheel, yielding means for holding the wheel in operative engagement with the segmental plate, and a pointer rotatable with the wheel upon one face of the dial.

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1,557,234. FILTER. HEINRICH BECHHOLD, Frankfort-on-the-Main, Germany. Continuation of application Serial No. 585,087, filed Aug. 29, 1922. This application filed Sept. 14, 1923. Serial No. 662,755. 3 Claims. (Cl. 210—208.)

1. A filter impregnated with an insoluble or difficultly soluble compound of a metal of lower solution tension than hydrogen and of a higher solution tension than copper.

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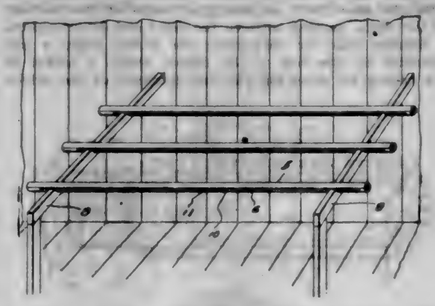
1,557,235. FILTER. HEINRICH BECHHOLD, Frankfort-on-the-Main, Germany. Filed July 1, 1924. Serial No. 723,592. 10 Claims. (Cl. 210—208.)

1. A filter impregnated with a plurality of insoluble or not easily soluble inorganic substances, one of the said substances being a metal of lower solution tension than hydrogen and of higher solution tension than platinum, the other one being a compound of a metal of lower solution tension than hydrogen.

1,557,236. POULTRY ROOST. GEORGE H. BLINN, Topsfield, Me. Filed Nov. 13, 1923. Serial No. 674,533. 1 Claim. (Cl. 119—25.)



A poultry perch comprising a hollow cylindrical open ended body composed of upper and lower semi-cylindrical parts, said parts being substantially channel-shaped in cross section and being hingedly connected together, the upper part of said body being imperforate and the lower part being provided with a multiplicity of longitudinally spaced openings communicating with the interior of said body, said openings being disposed in longitudinal rows extending from end to end of the lower part and being arranged in divergent relation on opposite sides of the longitudinal center of the latter to form two rows, there being a pair of longitudinal grooves formed in the outer surface of said lower part, and said grooves intersecting said openings, whereby to interconnect the same to guide and facilitate entrance of the insects.

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1,557,237. SPRING DEVICE. RUBEN BODO, Moline, Ill., assignor to Hawkeye Invention Co., Davenport, Iowa. Filed Oct. 21, 1922. Serial No. 596,032. 2 Claims. (Cl. 267—45.)

1. The combination with a vehicle chassis including a frame, an axle, and a cushioning spring between the frame and axle resisting movement of the frame and axle toward one another, of tensioning means connecting the frame and axle tending to force the frame and axle toward one another in opposition to the movement of the spring, including a second spring pivoted upon the opposite side of the axle from and extending in the same direction as the spring of the vehicle chassis, connections between one end of the second spring and the vehicle spring and a second connection between the opposite end of the second spring and the chassis, the first named connections being at opposite sides of the axle with respect to one another and rigidifying the spring butt to the axle in adjusted positions with relation thereto.

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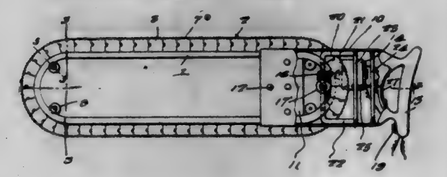
1,557,238. MOTOR-DRIVEN CHAIN SAW. RICHARD F. BOMMER, Tuolumne, Calif. Filed Nov. 22, 1924. Serial No. 751,633. 1 Claim. (Cl. 143—32.)

A device of the class described comprising a channel-shaped frame, a chain saw adapted to travel therein, said chain saw including a plurality of inter-connected sections, saw teeth on the outer edge of the sections, gear teeth on the inner edges of the sections, a casing

supported on one end of the frame, a drive shaft supported in the casing, a driven shaft supported in the casing a cog wheel on said shaft adapted for engagement with the gear teeth on the inner edges of the sections of the chain, gearing between the drive and driven shafts, a slidable yoke for supporting the driven shaft, a ball terminal on one end of the driven shaft, a socket in the casing for receiving the ball terminal of the driven



shaft, a stationary cross member mounted in the casing rearwardly of said yoke, a bar secured to the rear free edges of the yoke member, an adjusting bolt carried by the bar and having the threaded end thereof extended through the stationary cross member and a thumb nut on the threaded end of the bolt whereby the bar may be drawn toward the cross member for tensioning the chain saw.

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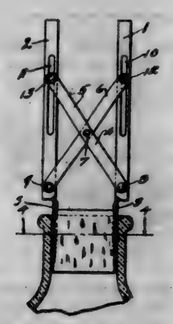
1,557,239. CORK PULLER. AUGUST V. BOHNER, Big Sandy, Mont. Filed June 9, 1923. Serial No. 644,408. 1 Claim. (Cl. 65—47.)



A cork puller comprising a pair of parallel handle bars, each handle bar having a thin blade at one end thereof for engaging a cork, each handle bar being equipped with a longitudinal slot, toggle levers comprising cross bars pivotally connected together intermediate their ends, the lower ends of the bars being pivotally connected to the lower ends of the said handle bars and pins upon, the opposite ends of the cross bars slidably mounted in said slots in the handle bars.

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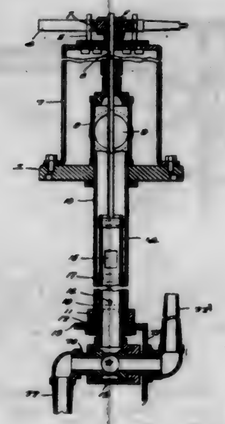
1,557,240. TANK CLEANER AND FLUID CIRCULATOR. ARTHUR B. BUTTERWORTH, Port Arthur, Tex. Filed June 16, 1924. Serial No. 720,469. 1 Claim. (Cl. 299—62.)

In a tank cleaner, a base, a tube extending through the base and supported thereby, means for introducing a column of liquid into the tube on one side of the base, a tubular cylinder journaled for rotation in the tube on the other side of the base and provided at points between its ends with openings, means for rotating the cylinder, a gear wheel fixed to the tube, a nipple journaled for rotation transversely across the lower end of the cylinder and provided at a point between its ends



with openings which communicate with the interior of the cylinder, and a gear wheel carried by the nipple and meshing with the first mentioned gear wheel.

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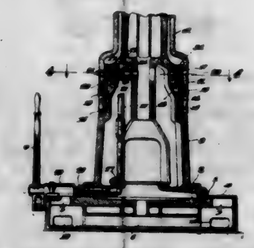
1,557,241. FRICTION CLUTCH. JACK C. CARLTON, Cincinnati, Ohio, assignor to The Carlton Machine Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 23, 1922. Serial No. 546,136. 17 Claims. (Cl. 188—78.)



1. In a device of the class described for clamping together two members having concentric circumferential surfaces, a pair of crescent shaped members adapted to be interposed between concentric circumferential surfaces of two members to be clamped, with the ends of said wedge members arranged to relatively overlap one another, and means for moving one of said members toward a second.

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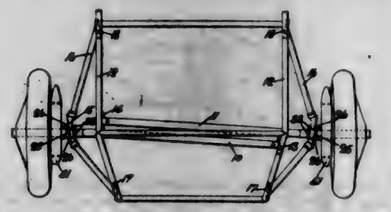
1,557,242. LANDING CHASSIS FOR AIRPLANES. VIRGINIUS E. CLARK, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 27, 1921. Serial No. 524,929. 5 Claims. (Cl. 244—2.)

1. In a landing gear for airplanes, in combination, right and left V-struts pivoted to the right and left



sides respectively of the fuselage, right and left wheel axles each having a slidable connection to the lower



part of its respective V-strut and pivoted at its other end to the opposite side of the fuselage.

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1,557,243. DEVICE FOR FORMING ROUND BELTING. ALBERT H. DE VOE, Westfield, N. J., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 30, 1919. Serial No. 327,585. 30 Claims. (Cl. 211—14.)

1. In a sewing machine, stitch-forming mechanism, means for rolling a strip of flexible material into a substantially convolute form, and means for feeding it to the stitch-forming mechanism.

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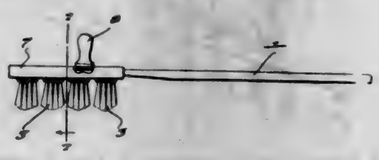
1,557,244. ROTARY TOOTHBRUSH. NAZAIRE T. DOMINGUE, Waterbury, Conn. Filed July 3, 1924. Serial No. 724,044. 1 Claim. (Cl. 15—28.)



In a rotary tooth brush structure, a handle in the form of a flat bar, said bar being provided in its under side and at its outer end with a channel, the inner surface of one wall of which is serrated to provide a toothed rack, rotary cleaning elements embodying head including toothed pinions located within said channel, the teeth of the pinions meshing with the teeth of said rack, and a metal casing partially surrounding the channeled portion of the handle and pinion, and provided with longitudinally spaced openings through which said cleaning elements extend.

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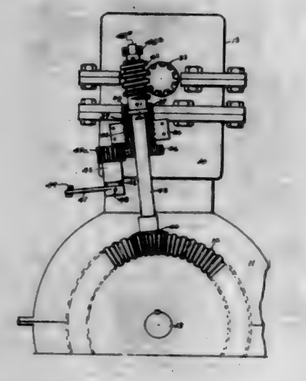
1,557,245. ROTARY VALVE STRUCTURE FOR ENGINES. PEARL G. FRAZIER, Ankeny, Iowa. Filed Nov. 16, 1921. Serial No. 515,548. 1 Claim. (Cl. 123—190.)

The combination with an engine having an operative mechanism including cylinders and pistons and crank shaft with a rotary valve structure, comprising a rotary valve having an inclined passage for each cylinder, a worm wheel on the end of the valve, a worm in mesh therewith, a shaft on which said worm wheel is mounted, an exterior threaded sleeve nonslidably and rotatably mounted on the shaft,



an interiorly threaded bearing receiving the sleeve, controlling means for rotating the sleeve for moving the shaft longitudinally and thus varying the register of the worm with the worm wheel, the shaft being operatively connected with the crankshaft.

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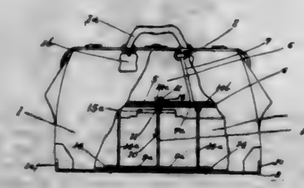
1,557,246. COMPARTMENT BAG. JESSE G. GALLOWAY, Falmouth, Ky. Filed Nov. 22, 1924. Serial No. 751,450. 6 Claims. (Cl. 190—52.)



1. A portable hand bag having an open bottom, a separate base adapted to close said bottom, a false bottom within the bag located above the open bottom thereof, sufficiently to leave a space for insertion of desired articles, and means for removably securing said base in the bottom of the bag, said means being positioned so as to be operable from within the bag above the false bottom thereof.

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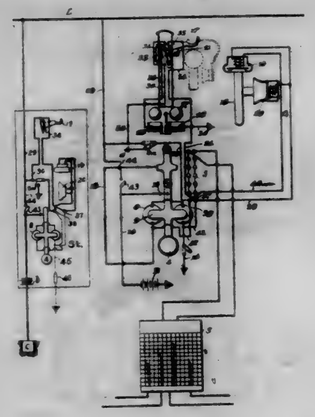
1,557,247. COMBINED TELEGRAPH RELAY AND TELEPHONE. WILLIAM R. GARNER, Erie, Pa., assignor of one-fourth to Charles Jacobsen and one-fourth to A. F. Joras, both of Washington, D. C. Filed Jan. 20, 1920. Serial No. 352,770. 8 Claims. (Cl. 179—2.)

6. The combination of a single metallic line, a substation telephone set, a connection by which said set is joined to the line, and a hook switch provided with contacts for keeping a grounded ringing mechanism normally in readiness for a ringing impulse from the line; a telegraph instrument including an electro-magnetically actuated key-armature normally unaffected by a ringing

impulses, but provided with switch means for joining said connection to said instrument for receiving telegraphic impulses, means embodied in the telephone set prevent-



ing energization of the ringing mechanism by said impulses, and a sound-proof compartment housing the telegraph instrument to prevent the escape of telegraphic sounds.

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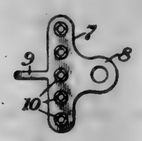
1,557,248. CORD TERMINAL. HUGO GRENSBACK, New York, N. Y. Filed Dec. 28, 1923. Serial No. 683,128. 5 Claims. (Cl. 173—334.)



3. A cord tip terminal comprising a metallic base plate having an eyelet lug projecting from one edge for engagement about a binding screw and a bar lug projecting from the opposite edge for engagement in the socket of a binding post and a plurality of spring cord tip sockets on said base plate.

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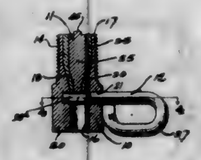
1,557,249. GAS-SAVING DEVICE. ELIAS GOOSSENS, Long Island City, N. Y. Filed Aug. 28, 1923. Serial No. 659,713. 1 Claim. (Cl. 67—120.)

As a new article of manufacture, a gas saving device adapted to be inserted into a gas supply hose of elastic formation, a hollow bullet-shaped shell embodying a cylindrical portion closed at one end and open at its opposite end, and a complemental portion detachably connected to the open end and provided with a reduced pointed nose to facilitate insertion of the device into said hose, the closed end of said first named portion being provided with restricted intake openings, and said nose being slit to provide a restricted discharge.

1,557,250. SAFETY PLUG. EARL M. GRANDFIELD, Boynton, Okla. Filed Mar. 30, 1922. Serial No. 548,140. 8 Claims. (Cl. 122—504.)



1. As an article of manufacture, a safety plug comprising a tubular body having an internal valve seat, a valve member slidable in the tubular passage in said body and comprising a core of non-fusible material having spaced laterally disposed extensions normally sealing said passage projecting from its sides for engaging the walls of the passage and retaining the core centered in the passage, said core having a valve head forming portion for seating upon the valve seat, fusible material upon said core about the valve head and intermediate said lateral extensions, and removable means for retaining the core in a raised position out of engagement with the valve seat when the fusible material is melted.

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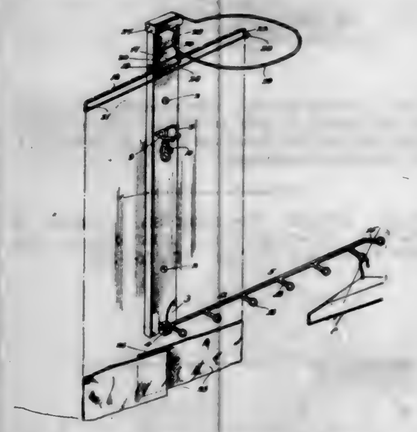
1,557,251. WALL CLOSET. CHARLES R. HAMLIN, Chicago, Ill. Filed Apr. 20, 1923. Serial No. 633,490. 2 Claims. (Cl. 45—37.)



1. A portable closet comprising a base, a bracket thereon, a garment-carrying element consisting of parallel side by side strands of stout wire forming a shank, eyes at the ends of the shank integrally uniting said strands, one of said eyes being pivotally engaged in said bracket and the opposite end of the shank being diverged slightly away from the base to form a handle, a series of arms integral with one strand of the shank and inclined toward the same, each consisting of parallel branches of the strand integrally united by a terminal eye, and a retainer on the base having resilient fingers to engage the shank of the garment-carrying element and hold the same in upright position close to the base.

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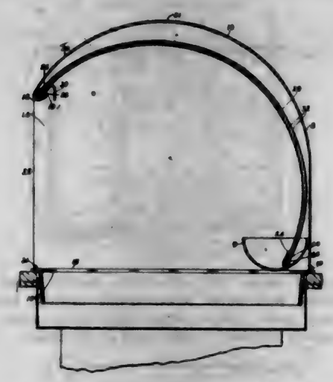
1,557,252. HEAT DEFLECTOR. JOHN D. IMBAUGH, Cincinnati, Ohio, assignor of one-half to Frances C. Zimmerman, Cincinnati, Ohio. Filed Apr. 14, 1925. Serial No. 23,082. 6 Claims. (Cl. 261—104.)

1. In a device of the class described the combination with a curved hood having an open bottom and front,



of a trough disposed interiorly of the hood and positioned opposite the open front, a curved frame interiorly of the hood and having its one edge disposed within the



trough and its opposite edge removably retained adjacent the front edge of the hood, and a porous member carried by the frame.

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1,557,253. OUTBOARD MOTOR FOR SMALL CRAFT. LOUIS J. JOHNSON, Mishawaka, Ind., assignor to Johnson Bros. Engineering Corporation, South Bend, Ind. Filed Jan. 5, 1924. Serial No. 684,563. 5 Claims. (Cl. 115—18.)

1. The combination with an outboard motor having a tubular drive shaft casing, a locking sleeve carried by the outer side of said drive shaft casing, said sleeve being rotatably mounted in a segmentally shaped plate, a water jacket carried by the motor, a pump rotatable with the shaft casing and disposed beneath the sleeve, of a pipe connection between the water jacket and the pump, said pipe connection extending through the sleeve between the inner and outer peripheries thereof.

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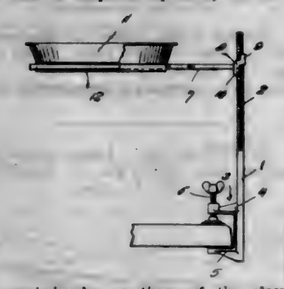
1,557,254. SUPPORTING DEVICE. HARRY P. KING, Marshall, Mo. Filed Mar. 17, 1925. Serial No. 16,156. 1 Claim. (Cl. 248—20.)

A supporting device of the class described comprising an upright, the upper portion thereof being threaded, a bracket associated with the lower end of the upright, means for securing the bracket to a suitable support, a laterally extending article supporting arm, a sleeve carried by the inner end of said arm and disposed transversely of the arm, said sleeve being cut away at its respective ends to provide a pair of opposed semi-circular portions whereby the inner end of the arm may be readily adjusted in any vertical position on the upright, when the arm is disposed upwardly at an incline so



that the semi-circular portions of the sleeve are out of engagement with the uprights, the semi-circular portions of the sleeve being internally threaded for cooperation with the threaded upright to permit the swinging movement of the laterally extending arm with respect to the upright.

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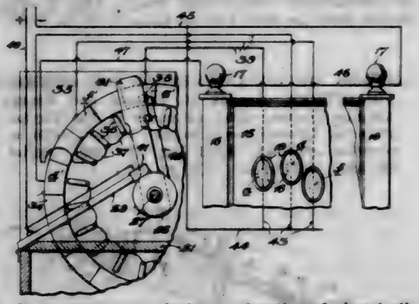
1,557,255. AMUSEMENT DEVICE. SAMUEL B. KISER, Altoona, Pa. Filed July 18, 1924. Serial No. 726,704. 9 Claims. (Cl. 273—86.)



1. In an amusement device, a plurality of electrically operated main indicating elements, a plurality of electrically operated auxiliary indicating elements, means to intermittently operate the auxiliary indicating elements, means to intermittently operate the main indicating elements, the interval of time between the operation of said main indicating elements being different from the interval of time between the operation of the auxiliary indicating elements and manually operated means for interrupting the operation of said elements.

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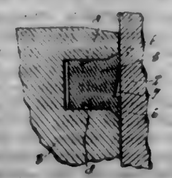
1,557,256. PISTON RING. SAM LA BONSKY, Vancouver, British Columbia, Canada. Filed June 16, 1925. Serial No. 37,498. 2 Claims. (Cl. 74—109.)



1. A piston ring, the sides of which are parallel throughout the greater part of its thickness and are therefrom angularly enlarged to the outer circle so as to

offer acute cutting edges where the ring bears on the cylinder wall, and grooves for retaining a lubricant in the surfaces which contact with the groove of the piston and the wall of the cylinder.

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1,557,257. MOTOR FUEL. JEAN LA RIBOISIERE, Washington, D. C. Filed Aug. 26, 1925. Serial No. 52,688. 5 Claims. (Cl. 44—9.)

1. A motor fuel comprising a hydrocarbon, aniline and an ether.

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1,557,258. SICKLE GUARD. LOUIS A. LARSEN, Hubbard Precinct, Nebr. Filed Feb. 27, 1924. Serial No. 695,435. 1 Claim. (Cl. 56—310.)

A sickle guard embodying a supporting plate, a sickle tooth projecting forwardly therefrom and having a pointed end and a thin vertical fin formed integrally with the forward portion of the tooth, and projecting upwardly and downwardly from the pointed end of the tooth, the lower edge of the fin being substantially flush and aligned with the lower edge of the body of the tooth, and the forward edge of the fin being curved to substantially semi-circular shape, with a diameter greater than the mean vertical diameter of the tooth.

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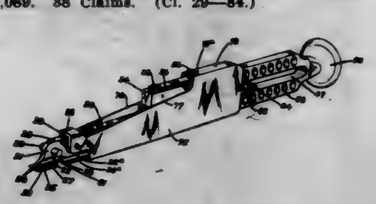
1,557,259. DEVICE AND METHOD FOR ASSEMBLING ARMATURES. GEORGE H. LELAND and ROBERT H. AHLERS, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed May 17, 1920. Serial No. 382,089. 38 Claims. (Cl. 29—84.)



1. The method of inserting a retaining strip in each of a series of longitudinal slots in an armature core, which includes rotating the core to bring a slot to a predetermined position; moving a wire compacting tool longitudinally through a slot in said position to compress wires in the slot, removing the tool from the opposite end of the slot; and placing a retaining strip in each of the slots while the wires are in compact relation.

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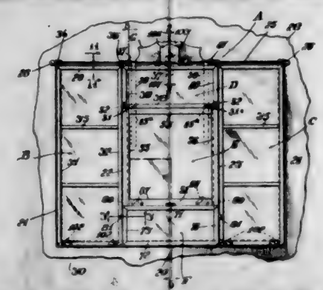
1,557,260. DISPLAY DEVICE. WILLIAM A. LEU and EDWARD E. LEU, Chicago, Ill. Filed Feb. 18, 1924. Serial No. 693,447. 7 Claims. (Cl. 40—64.)

1. A display device comprising a main frame, two outer panel frames pivoted at their tops to said main frame, a series of central pivoted panel frames, the uppermost central panel frame being pivoted at its upper edge to said main frame, means for locking the lower portion of said uppermost central panel frame to said main frame, a mounting for the second central panel frame upon said main frame underlying said uppermost central panel frame whereby the locking of the latter to the main frame holds the former against movement outward from said main frame, a mounting for the third central panel frame upon said main frame whereby said third frame is locked by said second frame,



and locking means on said third central panel frame for holding said outer panel frame against movement from said main frame when said third panel frame is in locked position against said main frame.

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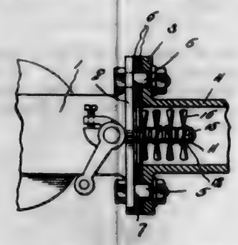
1,557,261. MIXING DEVICE. GILBERT J. MCCARTHY, Washington, D. C. Filed Dec. 1, 1924. Serial No. 753,233. 3 Claims. (Cl. 48—180.)



1. A mixer comprising a plate member having a central opening, and a plurality of segmental openings arranged concentrically to the central opening, a plurality of bearing members, and an impeller for each bearing member rotatably mounted thereon, and assembling means for securing said bearing members in rigid aligned relation to each other and to the plate member in alignment with the central opening thereof.

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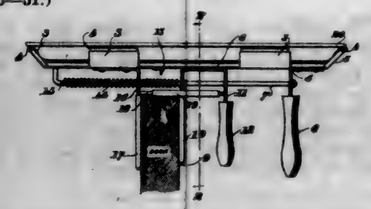
1,557,262. SERVING-TRAY SUPPORT FOR AUTOMOBILES. JESSE E. MCGEE, Guntown, Miss. Filed Jan. 17, 1924. Serial No. 686,851. 5 Claims. (Cl. 45—51.)



1. A serving tray support for automobiles comprising a body portion provided with outwardly and upwardly extending tray supporting arms, a handle fixed to the under surface of said body portion, a bearing rod secured to said handle at one end and at its opposite end to the body portion, and in spaced relation thereto, fixed clamping arms carried by said body portion, a slidable clamping arm mounted on said bearing rod, a second handle connected with said slidable clamping arm adapted to draw the same away from said fixed arms, and resilient means normally tending to draw said slidable clamping arm toward said fixed clamping arms.



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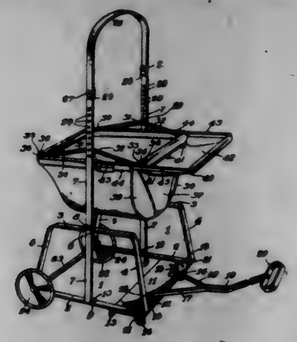
1,557,263. CHILD'S CART. JAMES R. MILLER, Flint, Mich. Filed Mar. 10, 1924. Serial No. 698,316. 5 Claims. (Cl. 280—47.)



4. In a child's cart, a resiliently-supported seat frame and seat, a toy tray frame having a sliding connection with said seat frame, and a toy tray engaged over portions of the said frames with its end portions detachably connected together.

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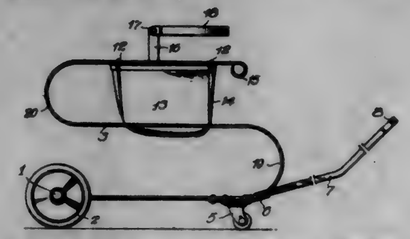
1,557,264. CHILD'S CART. JAMES R. MILLER, Flint, Mich. Filed Apr. 28, 1924. Serial No. 709,489. 7 Claims. (Cl. 280—48.)



5. In a child's cart, side members, each composed of a single spring S-shaped in form and disposed with the long members thereof disposed substantially horizontally and extended substantially the entire length of the cart.

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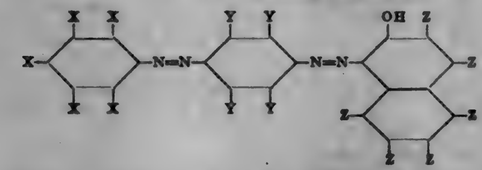
1,557,265. DISAZO DYE. RICHARD C. MILLER, Winfield, Long Island, N. Y., assignor of one-half to Toch Brothers, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 29, 1924. Serial No. 752,934. 2 Claims. (Cl. 260—84.)

1. As new products, compounds formed by the combination of the diazo compounds of para-aminoazoxylenes with betahydroxynaphthoic acids, said products being insoluble in water, fast to light, and soluble in non-aqueous materials and having in the free state most probably the formula:



in which two of the X's stand for methyl groups, two of the Y's stand for methyl groups, and one of the Z's stands for a carboxyl group.

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1,557,266. COMPOSITION ADAPTED TO GENERATE FREE IODINE. WILLIAM C. MOORE, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Dec. 27, 1922. Serial No. 609,341. 29 Claims. (Cl. 167—9.)

2. A dry composition comprising an iodide of an alkali metal, a salt of an alkali metal containing iodine and oxygen and a substance that hydrolyses to form an acidic agent capable of acting upon the same to liberate iodine.

10. A dry composition comprising an iodide of an alkali metal, a salt of an alkali metal containing iodine and oxygen and a dehydrated crystalline aluminum sulfate.

29. A dry composition in the form of a tablet comprising an iodide of an alkali metal, a salt of an alkali metal containing iodine and oxygen, a substance that hydrolyses to form an acidic agent capable of acting upon the other constituents to liberate iodine, a soluble filling material and talc.

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1,557,267. SAFETY CLIP FOR PENS, PENCILS, AND THE LIKE. MORRIS MOSTKOFF, Brooklyn, N. Y. Filed Feb. 11, 1925. Serial No. 8,844. 3 Claims. (Cl. 24—11.)

1. In combination with a pen or pencil, a safety clip adapted to lock said pen or pencil in the pocket comprising a band rigid with said pen or pencil, a plate depending therefrom, the lower end of said plate being bifurcated by a slot, said plate having legs at its lower end, a locking lever pivoted on said legs, said lever having parallel longitudinal channels at its sides, the legs cooperating with the channels to lock said lever in

a position aligned with the plate, and a tooth on said lever adapted to project toward the pen or pencil and pierce the pocket material to lock said pen or pencil in place in the pocket.

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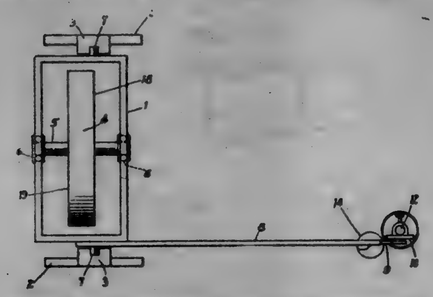
1,557,268. PROCESS OF AND APPARATUS FOR BALANCING ROTATIVE BODIES. BURT L. NEWKIRK, Minneapolis, Minn., assignor, by mesne assignments, to Precision Balancing Machine Company, Eau Claire, Wis., a Corporation of Wisconsin. Filed July 23, 1920. Serial No. 396,564. 30 Claims. (Cl. 73—51.)

1. In the process of balancing a rotative body, the step which consists in rotating the body upon a resilient

support at a varying speed that is uniformly repeatable and that passes the critical speed and determining and



measuring the maximum amplitude of oscillation of said support.

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1,557,269. DOMESTIC FIRE GRATE. REGINALD JOHN PAGE, Auckland, New Zealand, assignor of one-half to Joanna Dickson and one-fourth to Harry Clinton McElwain, both of Auckland, New Zealand. Filed June 3, 1925. Serial No. 34,705. 6 Claims. (Cl. 126—125.)

1. A fire grate of the kind described revolvable about a vertical axis in a cross passage in chimneys so as to be capable of being made to face into either of two rooms; shutters and frames operable vertically in guides at each end of said passage to completely close one end of said passage and partly close the other end thereof, or to completely close both ends of said passage, substantially as described and illustrated.

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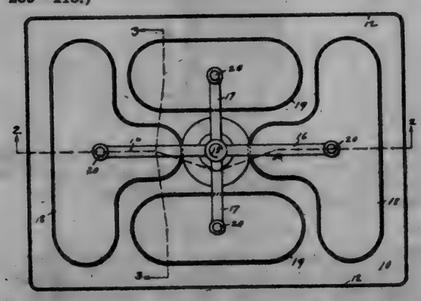
1,557,270. VACUUM CUP FOR WASHING MACHINES. WILLIAM E. PINCKNEY, Portland, Oreg. Filed Nov. 10, 1924. Serial No. 748,920. 1 Claim. (Cl. 259—113.)



The combination of a rectangular water container having a vertical plunger mounted near the middle of its bottom; a pair of crossed arms attached to the upper end of said plunger; a pair of T-shaped cups at the opposite ends of one pair of arms; and a pair of longitudinal cups on the opposite ends of the remaining pair of arms, said longitudinal cups occupying space between said T-shaped cups, all of said cups occupying the major portion of the area of said water container.

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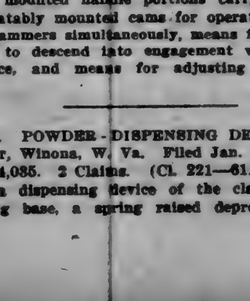
1,557,271. CARRIER DEVICE FOR SUITCASES, VALISES, AND THE LIKE. CHARLES RITTENHOUSE, Jr., Cincinnati, Ohio. Filed Aug. 4, 1923. Serial No. 659,128. 2 Claims. (Cl. 224—28.)



1. An auxiliary or adjunct carrier-element for a suitcase, valise, or like pack or burden, adapted to be used or rested on the forearm of the person and comprising an arched fore-arm member, a prop-member and an intermediate attaching jaw-member, the latter adapted to be engaged with the grip-handle of the said burden and the said prop-member to rest or fulcrum upon and engage the upper face or the side of the said burden.

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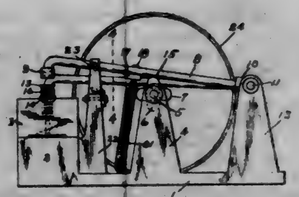
1,557,272. VALVE-SEATING MACHINE. ALBERT H. SCHAEFER, Columbus, Ind. Filed July 10, 1922. Serial No. 574,110. 4 Claims. (Cl. 78—24.)



1. A valve seating machine adapted for delivering blows to the valves of a motor for driving said valves against their seats, comprising a plurality of hammers, pivotally mounted handle portions carrying said hammers, rotatably mounted cams for operating a plurality of said hammers simultaneously, means for causing said hammers to descend into engagement with the valves with force, and means for adjusting said hammers laterally.

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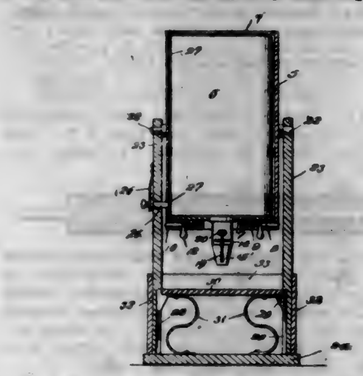
1,557,273. POWDER-DISPENSING DEVICE. JOSEPH SECRIST, Winona, W. Va. Filed Jan. 2, 1924. Serial No. 684,035. 2 Claims. (Cl. 221—61.)

1. In a dispensing device of the class described, a supporting base, a spring raised depressible platform



mounted above said base, for movement toward and from the latter, and a pivotally mounted container above said platform for containing a powder keg having a



valved discharge nozzle for disposition above said platform, said platform being adapted to hold a receptacle, placed thereon, against the nozzle.

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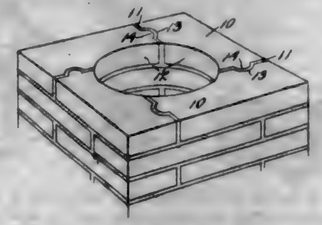
1,557,274. BRICK. CLARENCE E. SMITH and NOAH M. BUCKINGHAM, Wabash, Ind., assignors of one-third to A. H. Landwehr, Holland, Mich. Filed Dec. 27, 1924. Serial No. 758,440. 4 Claims. (Cl. 72—91.)



1. A chimney brick in the form of a rectangular parallelopiped having the faces adjacent to one vertical edge cut away to form a uniformly curved surface which is adapted to define a closed cylindrical opening when laid with other blocks of corresponding shape, substantially as set forth.

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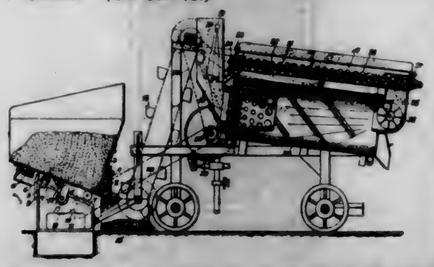
1,557,275. METHOD AND APPARATUS FOR MIXING AND WORKING UP GRANULAR AND PULVERULENT MATERIAL. EMILE SPRENGER, Goldach, Switzerland. Filed July 13, 1922. Serial No. 574,756. 7 Claims. (Cl. 83—73.)



1. The process of working up and mixing a plurality of granular materials, consisting in subjecting the several materials to agitation whereby the surfaces of the granules are abraded, with retention in the mass of the particles detached by abrasion, and concurrently commingling streams of the agitated materials under pressure in a confined space, agitating the mixture in the said space, and withdrawing a constricted stream of the mixture from the said space.

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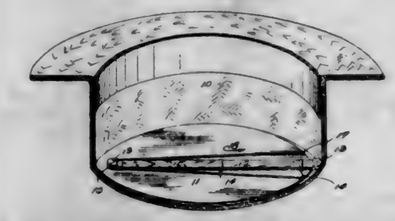
1,557,276. HAT FAN. EUGENE STEBBINGS, Des Moines, Iowa. Filed Apr. 23, 1924. Serial No. 708,434. 1 Claim. (Cl. 230—33.)



1. In a fan structure of the class described adapted to be received and retained in a hat or the like, a fan element, a handle member slidably mounted on the fan for movement in a plane parallel with the plane of the fan, the fan and handle having cooperating members for slidably mounting the handle on the fan, a yielding device interposed between the fan and the handle for yieldingly tending to move the handle to extended position, said handle and fan having coacting means for limiting the extending movement of the handle, whereby when the handle is moved to one position against the tension of the yielding device, it lies substantially parallel with the fan, whereas when the handle is permitted to move toward extended position when the device is placed in a hat, the fan will engage one side of the hat and the handle the other side for yieldingly holding the fan in the hat by frictional engagement therewith.

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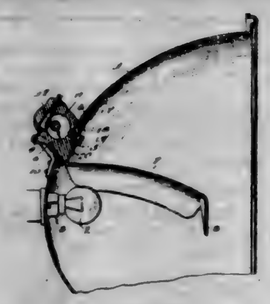
1,557,277. REFLECTOR. JOHN ROBERT STONEY, Ouachita, La. Filed Jan. 9, 1925. Serial No. 1,460. 5 Claims. (Cl. 240—45.)



1. A headlight comprising a casing, provided with a slot, a shield provided with an arm projecting through the slot pivotally mounted on the back of the casing, a block secured to the arm movable through the slot and provided with a central passage, a pair of spaced solenoids, and a single armature movable in the solenoid, a cone-shaped member on the armature and adapted to be moved into the passage in the block and located eccentrically of the passage in the block, said cone-shaped member when moved into the passage in the block engaging the walls of said passage and causing the block to be elevated and likewise the shield.

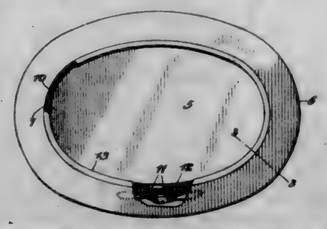
1,557,278. LADDER JACK. SAMUEL C. TUSSING, Findlay, Ohio. Filed Dec. 26, 1924. Serial No. 758,204. 2 Claims. (Cl. 304—34.)

1. In a device of the character described, a pair of bars having hooks formed at one of their respective ends, a pair of spaced arms having pivotal connection with each of the bars, bars formed with notches and having pivotal connection with the first mentioned bars, and extending between the arms of each pair, a pressure block slidably mounted between each pair of arms, a pin extending through the pair of arms and adapted to fit in the notches to hold the notched bar against movement, and resilient means carried by the pressure block for holding the pin in engagement with the notched bar.

1,557,279. LOOSE-LEAF BINDER. RICHARD M. VAN VALKENBURGH, Kansas City, Mo., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Aug. 15, 1924. Serial No. 732,315. 9 Claims. (Cl. 129—12.)

5. In a loose-leaf binder, the combination with a pair of leaf-holding posts and a hollow clamping member provided with apertures for receiving said posts, of a post-gripping means, an actuator therefor and means for supporting said gripping and actuating means in their related position before inserting the same into said hollow clamping member.

1,557,280. HAT CONFORMATOR. CHARLES H. WATSON, New York, N. Y. Filed Dec. 24, 1920. Serial No. 432,912. 2 Claims. (Cl. 2—185.)

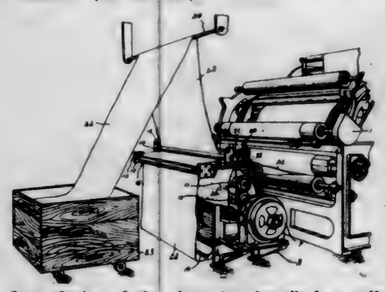


1. The combination with a hat having a crown and a brim and a sweat band attached at one of the edges at the junction of the hat crown and brim, a fabric sheath having its inner edge secured to the wall of the hat crown, a considerable distance above the point of attachment of the sweat band and the outer end of the sheath having a flattened tubular portion and an adjustable flat elastic tape enclosed within said tubular portion having the direction of its width in parallel relation to the wall of the hat crown.

1,557,281. INKING ROLLER FOR PRINTING PRESSES. WILLIAM C. HART, New York, N. Y. Filed Dec. 4, 1922. Serial No. 604,861. 11 Claims. (Cl. 91—67.8.)

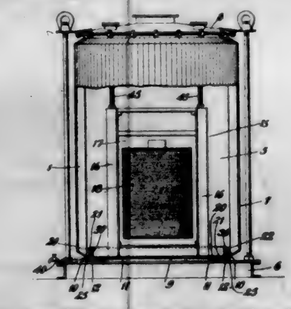
1. An inking roller comprising an inner portion formed of suitable plastic glue and glycerine composition, an outer portion of glue and glycerine composition formed on said inner portion, and means interposed between said portions for preventing adhesion of the outer portion to the inner portion when the outer portion is to be removed.

1,557,282. CLOTH MAKING. ALPHONSE J. HENRICHON, Palmer, Mass. Filed June 1, 1923. Serial No. 642,809 17 Claims. (Cl. 26—28.)



1. In a device of the character described, a roller, a sheet metal cover on the roller having short, sharp, non-yielding, pointed teeth struck up therefrom, means to rotate the roller, and means to draw the cloth over the roller whereby the fibers of the cloth are raised and broken off close to the surface of the cloth.

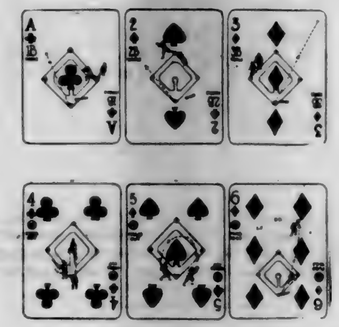
1,557,283. TRANSFORMER STRUCTURE. SAMUEL HORELICK, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed May 4, 1923. Serial No. 636,524. 7 Claims. (Cl. 175—361.)



1. In a transformer structure a sheet metal tank having a sheet metal bottom, a transformer in said tank supported by said bottom, a retainer ring fastened to said bottom and spaced from the side walls of said tank, and means carried by said transformer and engaging said ring to hold said transformer in position on the bottom of said tank and out of engagement with the sides thereof.



1,557,284. PLAYING CARDS. JOSHUA HOROWITZ, Brooklyn, N. Y. Filed Sept. 18, 1924. Serial No. 737,559. 3 Claims. (Cl. 273—152.)

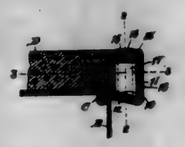


1. The winner must have the greater number of runs, or of runners most nearly advanced towards home plate. The five cards are calculated to determine the number of runs scored, or the position of the men on the bases. The cards need not be figured in the rotation in which they were dealt. If the player were first given a diamond 10 (home run) and then an ace (single) he has the privilege of counting it as though they were dealt in the opposite order. In other words the player may advance his men as far as possible to advance them with the 5 cards, just as if they had been dealt him in the rotation most advantageous to the player.

1,557,285. SAFETY-TREAD-STEP CONSTRUCTION. ARTHUR SHERIDAN HUGHES, Mansfield, Ohio. Filed Apr. 21, 1922. Serial No. 555,907. 12 Claims. (Cl. 72—96.)

1. In a stair construction, a step including a riser and a tread member interlocked at their front edges forming the nose of the step, and a separate nose piece applied over the nose at the top and provided with pockets filled with non-slipping material.

1,557,286. INTERLOCKED-STEP CONSTRUCTION. ARTHUR SHERIDAN HUGHES, Mansfield, Ohio. Filed Apr. 21, 1922. Serial No. 555,908. 21 Claims. (Cl. 72—96.)

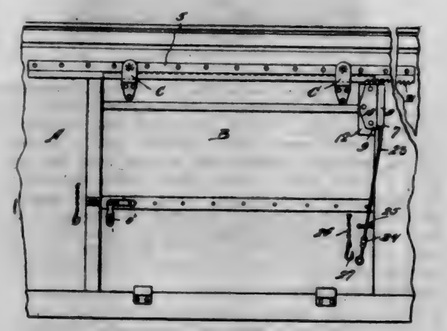


20. In a stair construction, a tread member formed with a plastic tread face, a nose piece having a depending channel embedded in said face, and a filling of non-slipping material in said channel.

1,557,287. STAIR CONSTRUCTION. ARTHUR SHERIDAN HUGHES, Mansfield, Ohio. Filed Apr. 21, 1922. Serial No. 555,909. 11 Claims. (Cl. 72—96.)

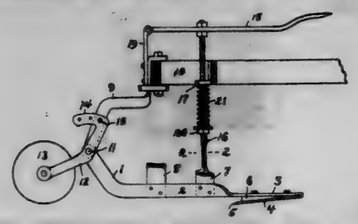
1. In a stair construction, a step including a riser and a tread, each formed of one piece in separate sections overlapped and interlocked at their front edges so as to form a nose for the step having a double thickness, the riser being provided with a rearward continuation constituting a nose piece, said nose piece being formed with a channel, and a strip of non-slipping material within the channel and projecting above the surface of the nose piece.

1,557,288. AUTOMATIC FREIGHT-CAR-DOOR-LOCKING MECHANISM. JAMES E. HUNTER and CHRISTIAN H. LINDSAY, Monaca, Pa. Filed Mar. 7, 1925. Serial No. 13,771. 5 Claims. (Cl. 292—164.)



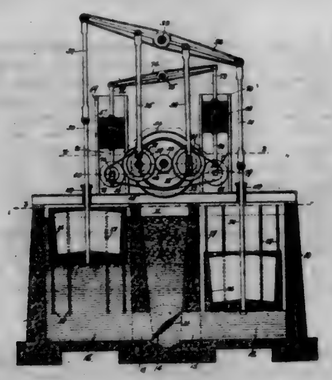
1. In combination, a freight car door, a track, said door being slidably mounted on said track, said track provided with a series of ratchet teeth, and a spring pressed latch device engageable with said teeth for allowing the door to be freely closed and preventing it from being normally opened.

1,557,289. BEET TOPPER. OLIVER E. HUICK, Wauseon, Ohio. Filed Sept. 2, 1924. Serial No. 735,244. 5 Claims. (Cl. 55—107.)



5. In apparatus of the class described, a sled having a pair of parallel runners; a cutting means at the front end of the sled including a pair of discs alined respectively with the runners; a topping blade transversely disposed respecting the sled and fixed thereto at the rear end thereof; an arch fixed on the sled at the rear end thereof in advance of said blade, its top extending in a plane above the blade; automatic means applying downward pressure to the sled at the rear part thereof; and manually operated means for augmenting the downward pressure.

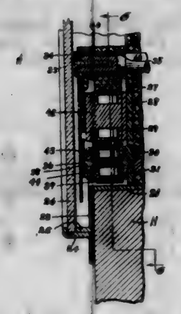
1,557,290. WATER ENGINE. STANISLAO IPPOLITO, New York, N. Y. Filed Aug. 15, 1923. Serial No. 657,539. 7 Claims. (Cl. 253—18.)



1. A water engine comprising a structure presenting a pair of wells each formed with an inlet opening and an outlet opening, a valve controlling each opening, a float arranged in each well, a walking beam, a connecting rod interposed between said walking beam and each float, a power shaft, a crank shaft, gears mounted on the power shaft and on the crank shaft intermeshing with each other, a pitman interposed between said crank shaft and said walking beam so as to rotate said crank shaft and said power shaft, and a mechanism extended between said power shaft and said valves for alternately opening and closing said valves.

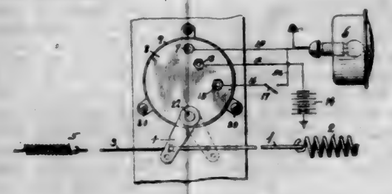
1,557,291. SIGNAL. GEORGE JACOBS, Detroit, Mich. Filed Mar. 29, 1921. Serial No. 456,718. 12 Claims. (Cl. 175—355.)

1. A signaling device for vehicles comprising a plurality of electric lamps, a pointer and means actuated by the vehicle to position the pointer according to the speed of the vehicle, a rotatable member adapted to be moved by said pointer in either direction, contact blades mounted in the rotatable member and insulated from each other, fixed contacts adapted to be engaged by said blades, and circuits between the fixed contacts and



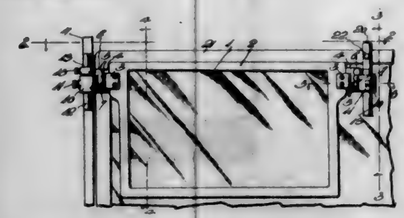
a current source and said lamps said pointer being adapted to engage and electrically connect predetermined blades when moving in one direction and to engage and connect other blades when moving in the opposite direction.

1,557,292. SIGNAL. GEORGE JACOBS, Detroit, Mich. Filed Aug. 26, 1922. Serial No. 584,400. 10 Claims. (Cl. 177—337.)



7. In combination with a vehicle, an electric warning signal therefor, a movable element for controlling the progress of the vehicle, a circuit including the signal and a suitable source of electric energy, means actuated by movement of the control element for intermittently opening and closing the circuit to energize and deenergize the signal, and means for controlling said first named means to govern the frequency with which the circuit is opened and closed.

1,557,293. EYE-SHADING ATTACHMENT FOR WINDSHIELDS. CALLE P. JACOBSEN, Oakland, Calif. Filed Apr. 17, 1924. Serial No. 707,201. 2 Claims. (Cl. 296—97.)

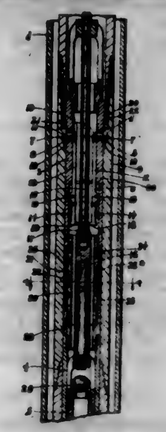


2. A device of the class described comprising a clamp composed of a U-shaped body member and a clamping screw threaded through one side of said body member and having its inner end in opposing relation to the other side of the latter, the outer end of said screw



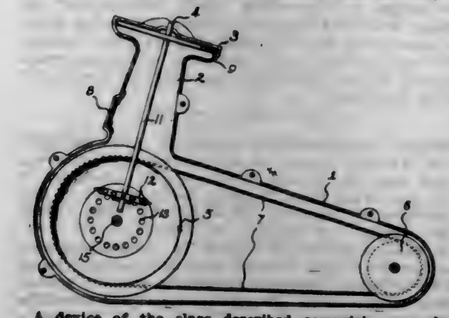
being bent at right angles to provide a post, a bracket mounted upon said post for adjustment to different longitudinal positions along the same, and an anti-glare shield pivoted to said bracket.

1,557,294. DEEP-WELL PUMP. DONALD FRANK JOHNS, Maricopa, Calif. Filed Oct. 17, 1924. Serial No. 744,151. 6 Claims. (Cl. 103—181.)



1. In a pump for deep wells, the combination of a liner, a flow-pipe having a bore receiving the liner, a latch-device including a dog mounted on the liner to anchor it in the flow-pipe, said flow-pipe having socket means to cooperate with the latch-device in anchoring the liner, actuating means for the latch-device with means for moving the latch device into its engaging position, a pump-rod having a mandrel cooperating with the actuating means to hold the latch-device in its retracted position in lowering the liner within the flow-pipe, said liner and said flow-pipe having cooperating engaging means located above the said socket means, for stopping the downward movement of the liner when the latch device is opposite to the said socket-means of the flow pipe, said actuating means for the latch-device operating upon a further downward movement of the pump-rod to permit the latch-device to engage the socket-means and thereby anchor the liner in the flow-pipe, said dog having an inclined outer face enabling the same to pass the engaging means on the flow pipe.

1,557,295. PICTURE-PROJECTING MACHINE. WALTER E. JOHNSTON, Youngstown, Ohio. Filed Apr. 21, 1923. Serial No. 633,705. 1 Claim. (Cl. 88—17.)

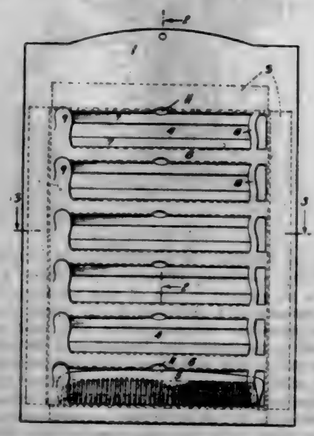


A device of the class described comprising an elongated casing having an upwardly extending part at one end thereof which is provided with a sight opening in its top, drums in the end portions of the casing, an endless strip passing over the drum and having pictures thereon, a rotary shutter in the top of the extension for controlling the sight opening, a shaft to which the shutter is connected, gears connecting the shaft with one of the drums, a handle connected with this drum for rotating the same and a window in the extension for permitting illumination of the pictures on the strip as they pass under the sight opening.

1,557,296. ABRASIVE POT-CLOTH FABRIC. RUSSELL B. KINGMAN, West Orange, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a Corporation of Rhode Island. Filed Apr. 25, 1925. Serial No. 25,826. 5 Claims. (Cl. 66—4.)

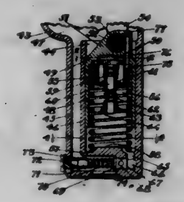
1. An abrasive pot-cloth fabric comprising interknit vegetable yarn and metallic threads so combined that the former provide a fabric body adapted to readily absorb and retain cleansing fluids while the latter are disposed to provide rib-like abrasive elements exposed on and projecting from the working face of said fabric body.

1,557,297. DISPLAY DEVICE. JOHN L. LITTLE, Brooklyn, N. Y., assignor to The Vulcanized Rubber Company, Inc., a Corporation of Maine. Filed Nov. 3, 1923. Serial No. 672,513. 1 Claim. (Cl. 211—14.)



A display device comprising a frame having front and rear portions, the said front portion being formed of a flat sheet of material in which a series of vertically aligned loops have been struck therefrom adjacent one edge thereof and a series of vertically aligned fingers struck therefrom adjacent the other edge and paired with the said loops, the material between each pair of loops and fingers being rearwardly bent and joined to the front portion of said back to form a plurality of receptacles, and a support hinged to the said back.

1,557,298. SHOCK ABSORBER. RALPH M. LOVEJOY, Meredith, N. H. Filed Nov. 10, 1921. Serial No. 514,378. 14 Claims. (Cl. 267—8.)



1. A shock absorber for cushioning the movement of two relatively movable members comprising a casing adapted to be secured to one of said members and having a tubular liquid-containing cylinder, a piston reciprocable in said cylinder, means connecting said piston to the other relatively movable member, a port in said piston, a valve cage seated upon said piston head communicating with said port and presenting a valve seat, a valve co-operating with said valve seat operable to establish a substantially free flow of the liquid through said port when the piston is raised, a spring engaging said valve cage acting to hold said valve cage in seated position during the movement of the piston and also tending to raise the piston and means for restricting the flow of liquid through said port during the downward movement of the piston.

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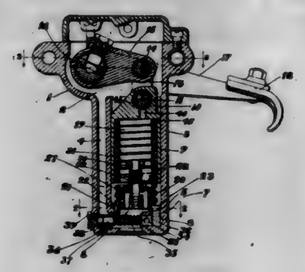
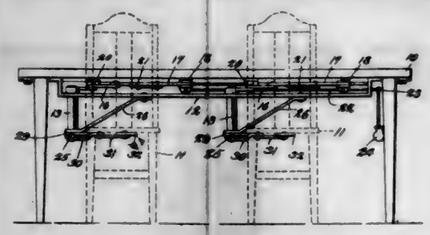
1,557,299. SHOCK ABSORBER. RALPH M. LOVEJOY, Meredith, N. H. Filed Nov. 28, 1921. Serial No. 518,120. 15 Claims. (Cl. 267—8.)



1. A shock absorber for cushioning the movement of two relatively movable members comprising a casing adapted to be secured to one of said relatively movable members presenting a reservoir for a liquid, a cylinder having an open end communicating with said reservoir and a head at the lower end located at a distance from the lower end of the casing and provided with an inlet port and with an outlet port, a conduit of relatively small diameter in the wall of said cylinder extending in parallelism with the axis thereof, communicating at its upper end with said reservoir and at its lower end extending below said cylinder head and communicating with said inlet and outlet ports, a piston reciprocable in said cylinder, means connecting said piston to the other relatively movable member, a valve in said inlet port operable when the piston is raised to permit liquid to flow freely from said conduit into said cylinder and a spring actuated valve for said outlet port, located below said cylinder head in said conduit, operable to restrict the flow of liquid from said cylinder into said conduit when the piston is moved downwardly.

1,557,300. CHAIR-MOVING APPARATUS. CHARLES H. LUCUS, West Frankfort, Ill. Filed July 23, 1924. Serial No. 727,759. 4 Claims. (Cl. 155—81.)



1. A chair controlling apparatus comprising in combination with a table, spaced rotatable standards, means secured to the table to provide bearings for the upper ends of the standards, a bearing frame connecting the lower ends of the standards, a lower horizontally movable frame including a chair attaching arm secured to each of the standards and movable therewith, a crank arm secured to each of the standards, slides mounted beneath the table, means for guiding the slides, means operatively connecting the slides and crank arms, whereby the latter may be moved to rotate the standards and means connected to the standards whereby the latter may be operated.

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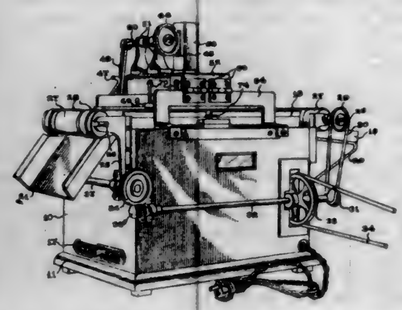
1,557,301. PHOTOGRAPHIC-PRINTING MACHINE. FRED J. LYONS, Madison, Wis. Filed May 22, 1924. Serial No. 715,202. 7 Claims. (Cl. 95—78.)



1. In a photograph printing machine, the combination of a cabinet, a source of illumination in the cabinet, a negative holder in the cabinet, a feeding device adapted to bring sensitized articles into registry with the negative holder, a reciprocating platen mounted over the feeding device and adapted to engage the feeding device for arresting the motion thereof when the article registers with said negative holder, and light controlling means mounted on said platen for controlling the illumination within the cabinet.

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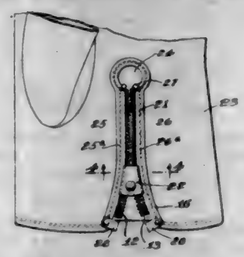
1,557,302. MECHANICAL ELEMENT AND METHOD OF MAKING SAME. JAMES MCINTOSH, Norristown, and JOHN M. TAYLOR, Bridgeport, Pa., assignors to Diamond State Fibre Company, Bridgeport, Pa., a Corporation of Delaware. Filed Jan. 15, 1924. Serial No. 686,331. 3 Claims. (Cl. 18—55.)

3. The method which consists in mounting between two bodies of sheet fabric a mass of irregularly placed pieces of fabric impregnated with a phenolic condensation product in its intermediate form; and thereafter subjecting said mass to heat and pressure to form a mechanical element in which the condensation product is in its final form.



1,557,303. SEMIDETACHED FASTENING DEVICE. DAVIS MARINSKY, Bronx, N. Y. Filed Jan. 21, 1925. Serial No. 3,738. 12 Claims. (Cl. 24—205.)



8. A fastening device of the class described comprising two coupling bodies secured to a binder composed of a flexible strand and a flexible attaching strip folded around and enclosing said strand and said bodies being coupled together by said binder.

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1,557,304. FASTENING DEVICE. DAVIS MARINSKY, Bronx, N. Y. Filed Jan. 21, 1925. Serial No. 3,739. 20 Claims. (Cl. 24—205.)

1. A device of the class described comprising two coupling bodies, each of said bodies comprising a plurality of independently formed link members, means for mounting said link members one upon the other and in common alinement and for coupling said link members together with that portion of said members on said means in juxtaposition and abutting, said mounting means being flexible, and means movably disposed on said bodies for coupling and uncoupling the same.

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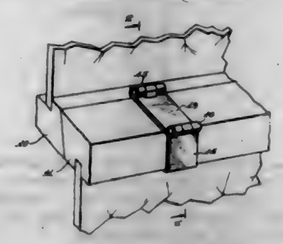
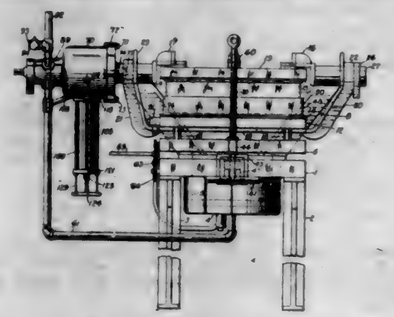
1,557,305. WINDOW-SASH LOCK. JOSEPH O. MEERBOTT, Jersey City, N. J. Filed Feb. 24, 1925. Serial No. 11,187. 6 Claims. (Cl. 292—288.)



1. In a device for locking two window sashes together, a plate, means for securing said plate to the inner face of a frame member of one of said sashes, a flange at the lower end of said plate adapted to bear against the bottom of said member, and an articulated hook hinged to the upper end of said plate, said hook being adapted to overlap the top of a frame member of the other of said sashes and hook under the edge of said last named member.

1,557,306. MOLDING MACHINE. PAUL S. MENOUGH, Bridgeport, Conn. Filed May 18, 1921. Serial No. 470,535. 51 Claims. (Cl. 22—27.)



1. In a molding machine, the combination with two pattern plates, a two-part flask, means for mounting one part of said flask containing sand on each of said plates, and means for moving one plate and one part of the flask into position above the other part of the flask and the other plate, of means for simultaneously squeezing an impression in the sand at the top and the bottom of said flask while maintaining the plane of the perimeter of each impression coincident with the plane of the edge of the flask and varying the thickness of the sand in the flask.

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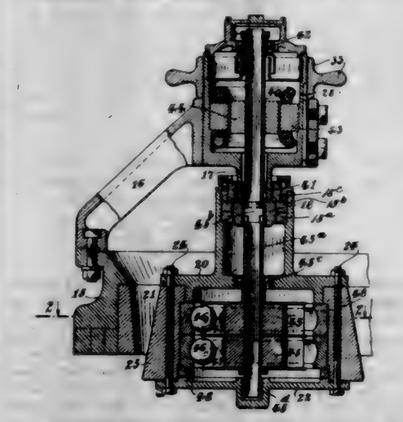
1,557,307. CRUSHER. BENJAMIN A. MITCHELL, New York, N. Y. Filed May 24, 1923. Serial No. 641,040. 21 Claims. (Cl. 83—10.)



1. In a crusher, the combination of a relatively fixed crusher member, a relatively movable crusher member, a balanced impeller, a freely movable intermediate body interposed between the impeller and the relatively movable crusher member and subject to the action of centrifugal force, and means to maintain the radial distance of such intermediate body from the axis of the impeller constant throughout the revolution of the intermediate body.

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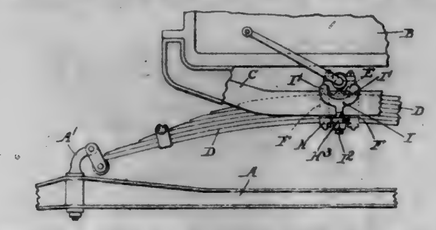
1,557,308. SPRING. HAROLD TUTHILL MOORE, Hinsdale, Ill., assignor to Tuthill Spring Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 14, 1924. Serial No. 749,820. 13 Claims. (Cl. 267—52.)

1. In combination in a spring a plurality of imperforate leaves, placed together and provided on their engaging surfaces with mating irregularities, and means

for holding the leaves together when the spring is not in operative position, said means constituting a member surrounding the spring being of such size that it may



remain in place on the spring when the latter is put in position in the fitting normally adapted to receive the spring alone, said member adapted to lie within such fitting.

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**1,557,309. ELECTROMECHANICAL INTERLOCK.** CLIFFORD NORTON, New York, N. Y., assignor to Graham & Norton Company, New York, N. Y., a Corporation of Delaware. Original application filed Aug. 2, 1923, Serial No. 655,175. Divided and this application filed Jan. 10, 1925. Serial No. 1,569. 1 Claim. (Cl. 187—31.)

The combination with door opening and closing mechanism adapted to be controlled from an elevator car, of a latch engaging and holding a member thereof in door-closing position, operating means for operating said latch to free said mechanism, said means including a cam slidably supported for right line movement transverse to the path of movement of said car, spring means for moving said cam into position to free said latch, a rotary electric motor, a connecting member for operatively joining said cam and motor whereby said motor may draw said cam directly away from said latch.

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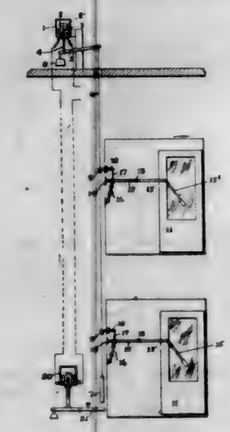
**1,557,310. ELECTROMECHANICAL MASTER INTERLOCK FOR ELEVATORS.** CLIFFORD NORTON, New York, N. Y., assignor to Graham & Norton Company, New York, N. Y., a Corporation of Delaware. Filed July 7, 1923. Serial No. 650,043. 8 Claims. (Cl. 187—31.)

5. The combination with a series of elevator well doors, of a toggle joint one arm of which is mounted on a fixed support while the other is pivotally connected to the door, a door closing spring and connected dash-pot operating on the toggle to close the door, a master switch common to the doors, a line connected with said switch at the upper end of the line by a positive unyielding connection, means for giving to the switch a constant bias superior to the weight of the line to restore the same to and hold it in normal position, means at each landing adapted to engage and exert a direct and positive downward pull on the line and



a link connected directly at one end with the fixedly pivoted toggle member and connected directly at its opposite end with said means to cause a direct, positive pull on the line superior to the bias of the switch to throw said switch positively.

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**1,557,311. METAL AIR PROPELLER AND THE LIKE.** HENRY LEITNER, London, England. Original application filed Jan. 21, 1922, Serial No. 530,845. Divided and this application filed May 8, 1924. Serial No. 710,839. 3 Claims. (Cl. 170—159.)

1. A screw-propeller blade of the kind described, formed from sheet metal folded to form the edges of the blade and joined at the meeting edges by a longitudinal mechanical seam extending along one side of the blade intermediate of the two folded edges.

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**1,557,312. ARCH SUPPORTER.** JOSEPH LELYVELD, Rockland, Mass. Filed Sept. 16, 1924. Serial No. 737,962. 4 Claims. (Cl. 36—76.)

1. A one-piece arch-supporting plate of resilient sheet material, adapted to be interposed as a unit between an outer and an inner sole, and including an inner longitudinal curved edge portion formed to extend from the oscalcis to the base of the first metatarsal, an outer longitudinal curved edge portion formed to extend from the oscalcis to the base of the fifth metatarsal, and an-

terior and posterior end portions integral with and connecting said edge portions, the plate being cut away between the edge portions and between the end portions to permit independent flexure of the edge portions.

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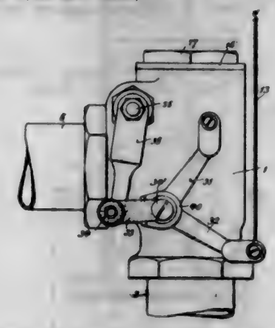
**1,557,313. GAS VALVE.** JOHN H. LINDSAY, Brooklyn, N. Y. Filed Apr. 16, 1925. Serial No. 23,623. 4 Claims. (Cl. 137—102.)



4. A valve of the character described, comprising a casing, a spring-pressed valve in the casing, a shaft projecting through the casing, means on the shaft operatively engaging the valve, an arm on the shaft outside of the casing and adapted to be moved to a position to open the valve against action of the spring, a hub mounted on the casing, a crank arm fixed to the hub and adapted to be manually moved, a pair of fusible links also fixed to the hub, and a roller carried by the fusible links and adapted to be engaged by the free end of the arm outside of the casing whereby the valve is held in open position and released so as to automatically close when the hub is turned manually or when the fusible links are destroyed.

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**1,557,314. DUST GUARD FOR SHOCK ABSORBERS.** HENRY HAVELOCK LOGAN, Chicago, Ill. Filed Jan. 11, 1924. Serial No. 685,623. 2 Claims. (Cl. 267—10.)

1. The combination with a shock absorber having a casing and a flexible strap extending exteriorly thereof and arranged for longitudinal movement toward or away from said casing when said shock absorber is in operation, of an extendible tubular flexible casing disposed concentric with said flexible strap and secured to said casing at one end, means for securing the opposite end of said tubular casing to said strap at a point adjacent to its lowermost end, and means within said tubular casing for maintaining the inner walls of said casing out of engagement with said strap.

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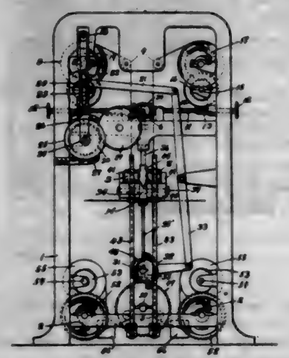
**1,557,315. LOOM.** CHARLES J. NAUEN, West Somerville, Mass. Filed Sept. 17, 1923. Serial No. 663,041. 5 Claims. (Cl. 139—310.)



1. In a loom, a crank shaft having an eccentric thereon, a pair of cloth beams, a pawl carrying lever operated from said eccentric and having a pawl, a ratchet driven by said pawl, a common drive shaft for the cloth beams and operatively connected to said ratchet, and a regulating device in contact with the fabric being wound upon one of said cloth beams and operatively connected with the connections between said eccentric and said pawl carrying lever, whereby to change the effective leverage of said lever as the diameter of said cloth beam increases.

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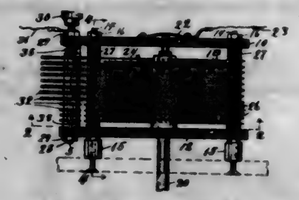
**1,557,316. VARIABLE CONDENSER.** GEORGE H. NOBBS, Watertown, Mass. Filed Dec. 16, 1924. Serial No. 756,222. 5 Claims. (Cl. 250—41.)



1. An electrical condenser comprising a group of stator plates and a group of rotor plates arranged to be moved between said stator plates to vary the capacity, a terminal for each group of plates, the terminal for the rotor plates being electrically connected thereto, means for supporting said stator plates out of electrical contact with each other and the terminal thereof and a series of switches corresponding in number to the stator plates and movable independently of each other to establish electrical connection between the respective stator plates and their terminal.

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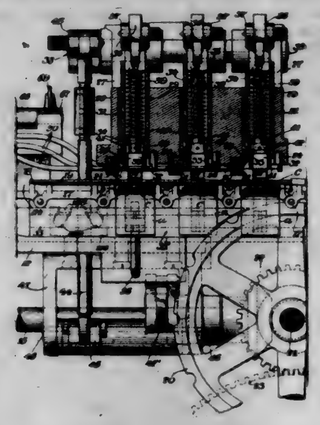
**1,557,317. STAPLING MACHINE.** JOHN R. NOLAN, New York, N. Y., assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 20, 1922. Serial No. 555,006. 11 Claims. (Cl. 1—2.)

5. In a stapling machine, the combination with a reciprocative plunger having a staple-forming portion, a

reciprocative staple-driving plunger in the first-named plunger, and means for actuating said plungers, of a rock-shaft, an anvil thereon movable into and from the path of the said staple-forming portion, means for oscil-



lating said shaft, oppositely-acting clinching members positioned to receive the protruding legs of a staple when they are driven, and cam connections between the rock-shaft and the clinching members.

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1,557,318. COMPOSITE BODY. EMIL E. NOVOTNY, Logan, and CHARLES J. ROMIEUX, Philadelphia, Pa., assignors to John Stogdell Stokes, Huntingdon Valley Post Office, Pa. Filed Oct. 1, 1923. Serial No. 666,030. 3 Claims. (Cl. 91—70.)

1. A moldable composite body comprising a fibrous filler containing lanolin and a synthetic resinous binder therefor substantially as described.

3. The herein described method of making a molded composition composed of a fibrous filler containing a free lubricant and a synthetic resinous binder comprising impregnating or coating a fibrous filler with a lubricant and a synthetic resin and subsequently pressing, forming and heating to set the resinous body to an infusible form.

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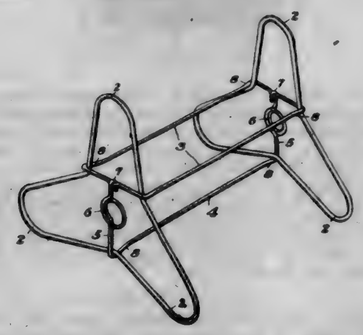
1,557,319. REEL. FRANK H. NULLMEYER, Struthers, Ohio. Filed Aug. 9, 1923. Serial No. 656,574. 3 Claims. (Cl. 242—115.)



1. A reel having two head members, each head member having three radial arms, and two separable body members formed of wire, one of said body members being endless and of rectangular form and straddling one arm of each head, and the other of said members being U-form and engaging each head between the other two arms thereof, said U-member having hooks at its ends engaging the endless body member and one of said body members having looped portions forming spindle bearings for the reel adjacent the ends of the latter, substantially as described.

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1,557,320. FUEL BRIQUETTE AND PROCESS OF MAKING THE SAME. JOHN F. O'DONNELL, Morris Run, Pa. Filed Apr. 12, 1924. Serial No. 706,172. 2 Claims. (Cl. 44—23.)

1. The process of producing a high-grade coal briquette, which comprises mixing fine anthracite and semibituminous dust coal in approximately fifty per cent proportions, placing the mixture in a mold under pressure, and subjecting the material to temperatures in the neighborhood of 1000° F. for from three to six minutes.

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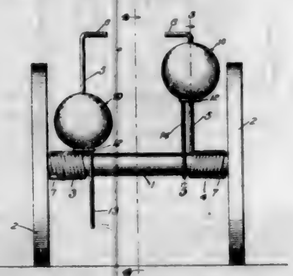
1,557,321. TOY. EDWARD H. PARKE, Findlay, Ohio. Filed June 13, 1925. Serial No. 37,002. 2 Claims. (Cl. 46—48.)



1. A toy of the class described comprising a wheel supported structure including an axle having wheels fixed thereto, springs coiled loosely around said axle with arms projecting therefrom and having stops thereon, elements mounted to reciprocate on said arms, annular members secured to said axle and extending in diametrically opposite directions, said members being located below the reciprocatory members whereby the turning of the axle will operate to alternately reciprocate said members.

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1,557,322. SPECTACLE FRONT FRAME. PETER PECK, Nicolet, Quebec, Canada. Filed Dec. 22, 1922. Serial No. 608,492. 2 Claims. (Cl. 88—41.)

1. In a spectacle frame, a rim attaching clip having a stud projecting therefrom, an arm pivoted to said clip by means of a rule joint, and a clip at the free end of the arm adapted to detachably engage the temple of a spectacle.

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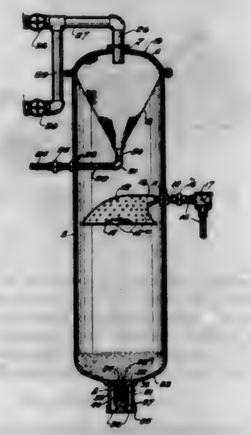
1,557,323. SAND AND GRAVEL SEPARATOR ATTACHMENT FOR PUMPS. CHARLES H. PERRY, Miami, Fla. Filed Aug. 19, 1924. Serial No. 733,010. 5 Claims. (Cl. 210—167.)

1. In a sand and gravel separator attachment for pumps, a cylindrical receptacle having an inlet connection at an intermediate point and an outlet connection above the said inlet connection, a spreader wholly disposed within the receptacle and connected to the inner end of the inlet, the spreader having a fully open bottom to direct the water downwardly towards the bottom of the receptacle and connected to the inner end of the inlet at one side of the top portion thereof, the body



of the spreader being perforated and permitting the unfiltered water to pass therethrough and the solids to be directed downwardly through the open bottom thereof in a tangential manner, water supply means connected to the inlet, and an inverted conical screen separator mounted in and filling the top portion of the receptacle above the spreader and having its lower reduced end secured to the outlet connection.

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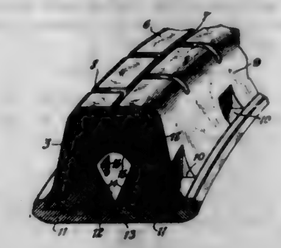
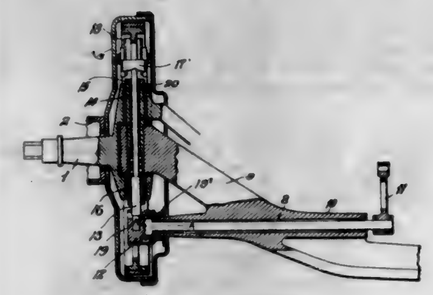
1,557,324. CUSHION TIRE. SAMUEL PESTUNOWITZ, Newark, N. J. Filed Oct. 1, 1924. Serial No. 741,017. 3 Claims. (Cl. 152—1.)



2. A resilient tire comprising a circular body of resilient material having an internal circumferentially extending chamber, the walls of which are in angularly disposed relation, a plurality of radially disposed lugs bridging certain of the angles of said angularly disposed walls, and transversely extending lugs bridging other angles of the walls, all of said lugs serving to restrict the compression of the tire beyond a predetermined point.



1,557,325. STEERING-WHEEL BRAKE MECHANISM FOR MOTOR VEHICLES. FERDINAND PORSCHE, Stuttgart-Unterturkheim, Germany, assignor to the Firm Daimler-Motoren-Gesellschaft, Stuttgart-Unterturkheim, Germany. Filed Mar. 14, 1925. Serial No. 15,691. 2 Claims. (Cl. 88—194.)



1. In combination with an axle of an automobile having a hollow portion and having a steering wheel turnably connected thereto by a journal member, a brake drum associated with said steering wheel, brake members pivotally connected to said steering wheel and located within said brake drum, a cam turnably connected to said steering wheel and adapted to force the brake members associated with said steering wheel outwardly against the cinner surface of the said brake drum, a rod slidably located within said journal member and connected to the said cam, a brake-actuating shaft located within the said hollow portion of said axle and having its ends projecting beyond the said hollow portion, an actuating member connected to that end of said shaft which is furthest from said steering wheel, the end of the said brake-actuating shaft which is adjacent said wheel having a cam adapted to co-operate with the said slidable rod to actuate the first mentioned cam, a spring associated with said slidable rod and adapted to force it into a position in which the associated brake mechanism is inoperative, the center of the said brake-actuating shaft and of the second mentioned cam mounted at the end thereof and the central axis of said slidable rod being located on the central axis of said journal member.

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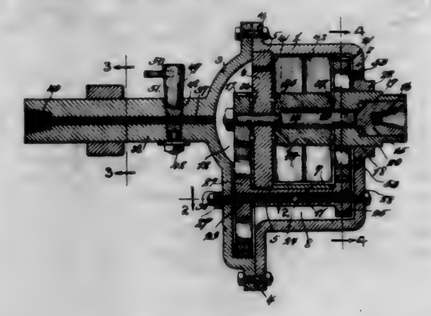
1,557,326. PNEUMATIC MOTOR. FRED J. POWELL, Jerome, Ariz. Filed Apr. 3, 1925. Serial No. 20,464. 6 Claims. (Cl. 253—3.)



1. In a pneumatic motor, a casing provided with a rotor receiving chamber and a fluid storage chamber, a shaft coaxial with the center of the rotor receiving chamber and provided with a rotor having inclined blades,

a member rotatable on the shaft and provided at one end with means for supporting a device to be rotated, the end of the shaft adjacent the member having means for receiving and carrying an element to be rotated, a countershaft eccentrically mounted in the casing, a sleeve supported on the countershaft with its opposite ends geared to one end of the rotor shaft and said member for imparting movement to the member at a different rate of speed to that of the rotor shaft, said casing having means for conveying a fluid to the storage chamber, the casing having passages for conducting the fluid from the storage chamber to and toward the blades of the rotor, and exhaust ports for the utilized fluid.

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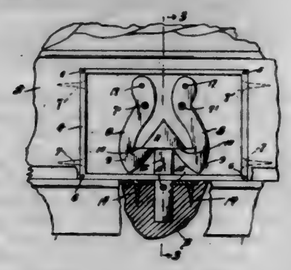
1,557,327. SPRINGLESS AUTOMATIC SASH LOCK. JAMES L. POWELL, Pictou Landing, Nova Scotia, Canada. Filed Nov. 17, 1921. Serial No. 515,832. 1 Claim. (Cl. 292—31.)



A lock of the class described having pivoted locking dogs, each dog having an offset portion functioning dually to provide a shoulder and a weight to cause the dog to seek the vertical, a locking stud intermediate and co-operating with said dog engageable with said shoulder, a casing for said dogs, a cover plate for said casing having arcuate slots therethrough, securing members passing through the cover plate to fasten the latter to the casing, each securing member being concentric with one of said slots and passing through one of said dogs near its upper end and constituting the pivot for the dog, operating members extending from the dogs and outwardly of said cover plate through said elongated slots, and said dogs being arranged relatively close together for joint manipulation.

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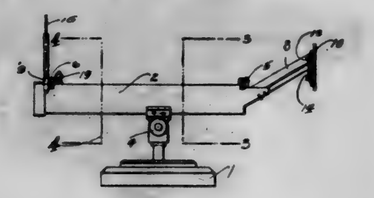
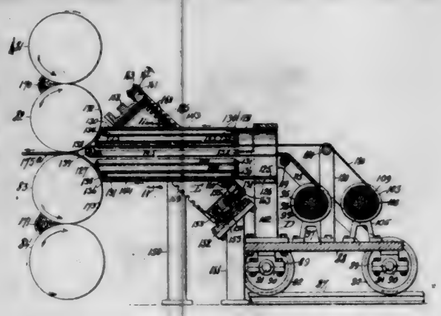
1,557,328. OPTICAL INSTRUMENT. HERBERT C. RESS, San Antonio, Tex. Filed Nov. 9, 1921. Serial No. 513,875. 17 Claims. (Cl. 88—20.)



1. In an optical instrument, a sighting device pivoted to swing transversely of its axis, a chart target rigidly associated therewith, and means for automatically leveling said device and target at right angles to the axis of the sighting device.

1,557,329. CORD TIRE FABRIC AND METHOD OF MAKING THE SAME. ROLAND B. REMPEL, New York, N. Y., assignor, by mesne assignments, to Respro Inc., Cranston, R. I., a Corporation of Rhode Island. Filed July 19, 1920. Serial No. 397,451. 14 Claims. (Cl. 154—2.)



1. That method of making unwoven tire fabric comprising winding strands to form a helix, bringing opposite portions of each spire of the helix into contact with a sheet of rubber, turning such opposite portions of each helix to lie in substantially parallel planes, and subjecting the two ply fabric thus formed to pressure.

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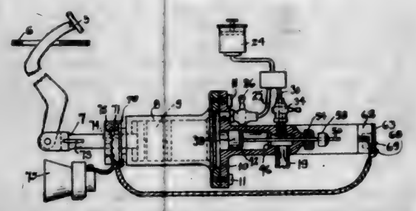
1,557,330. FLUID BRAKING APPARATUS. JOSEPH B. REYNOLDS, Croton Falls, N. Y. Filed Apr. 17, 1924. Serial No. 707,064. 8 Claims. (Cl. 188—152.)



2. In a fluid braking apparatus, a fluid pressure brake, a fluid compressor, a conduit between said compressor and said brake, an indicator mechanism, and means interposed in said conduit for closing same and actuating said indicator mechanism when the pressure in said brake is below a predetermined point.

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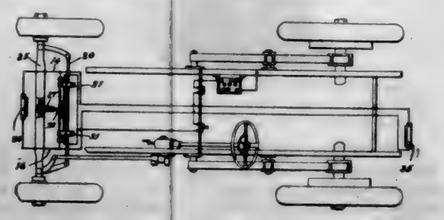
1,557,331. SWITCH. SVEN REYNOLDS, Providence, R. I. Filed Oct. 31, 1924. Serial No. 747,047. 3 Claims. (Cl. 200—59.)



1. In a direction indicator for motor vehicles, a tubular casing carried by the steering cross-rod of the vehicle to swing with it, said casing having a set of contact strips, and a circuit closing member supported on the vehicle axle and having a head portion in said tube to bridge said strips, and means whereby the operating length of said closing member may be elongated and contracted to accommodate the relative movement of said casing.

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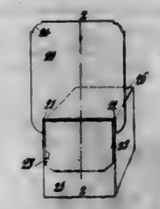
1,557,332. DISPLAY DEVICE. HAROLD V. ROBBINS, New York, N. Y., assignor to Harry B. Kruger, New York, N. Y. Filed May 18, 1922. Serial No. 561,815. 3 Claims. (Cl. 40—7.)



2. In a display device, the combination with a package having a slit in its upper portion and means therein forming a sheath to which the slit is the entrance, of a display blank having a projection forming a lip adapted to be inserted into said slit and said sheath, and means on the blank extending laterally of the lip for engaging the exterior of the package.

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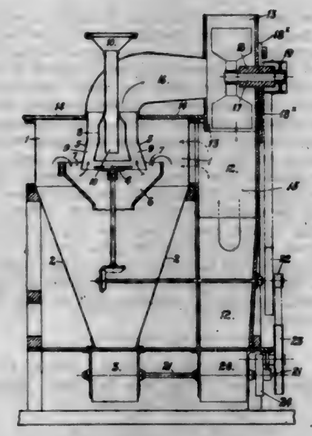
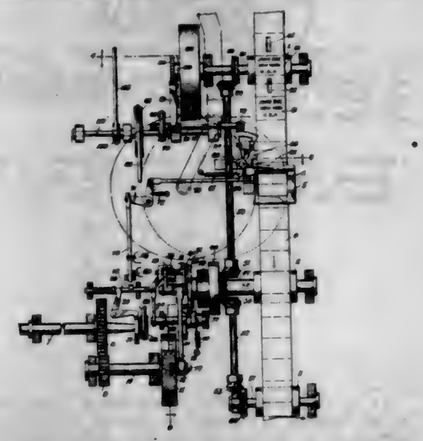
1,557,333. MACHINE FOR REMOVING DUST AND PARTICLES FROM GRAIN OR GRANULAR SUBSTANCES. CHARLES JOHN ROBINSON, Rochdale, England, assignor to Thomas Robinson & Son Limited, Rochdale, England, a Limited Liability Company of England. Filed May 5, 1923. Serial No. 636,996. 2 Claims. (Cl. 83—40.)



1. A centrifugal machine for separating dust and other particles from air used for the cleaning of grain and other granular substances, comprising an inverted L-shaped suction duct, a fan operating vertically and transversely of the horizontal portion of said duct, a dust separating chamber to receive the air directly from the fan, said dust receiving chamber comprising an upper compartment to directly receive the air, and a second compartment in communication with the first mentioned compartment and of greater area than the first mentioned compartment to cause a comparatively retarded movement of the air in said second compartment.

1,557,334. MOTION-PICTURE-PROJECTING MACHINE. PEDRO ROELS, New York, N. Y., assignor of twenty-five per cent to Joaquin Montoya, New York, N. Y. Filed Oct. 18, 1924. Serial No. 744,414. 11 Claims. (Cl. 88—17.)



1. A motion picture projecting machine, comprising film moving means, a film having slots therein, an air nozzle discharging against the film and through the slots, means back of the slots operated by the blast of air to stop the film moving means, and means for moving the nozzle throughout the length of the slots.

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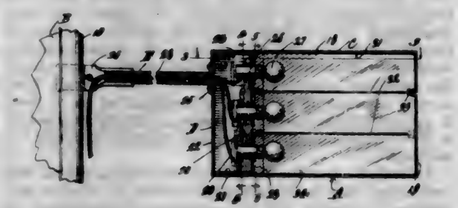
1,557,335. AUTOMOBILE SIGNAL. FREDERICK L. ROCK and ARTHUR J. ROCK, Burlington, Vt. Filed June 28, 1924. Serial No. 721,845. 2 Claims. (Cl. 177—329.)



2. An automobile direction indicator comprising a casing having front and rear walls provided with direction indicia, top and bottom walls, and an outer end wall, a housing fitted within the inner end of the casing terminating flush with the inner end thereof, the housing having a removable inner wall, means detachably securing the housing and its removable inner wall in place, partitions fitted within the casing engaged by the housing dividing the casing into a plurality of signaling compartments, and lamps and sockets carried by the removable inner wall of the housing arranged to project into said compartments, the housing with its removable inner wall forming means for protecting the sockets from the elements and means for permitting the quick removal of the last mentioned sockets from the casing.

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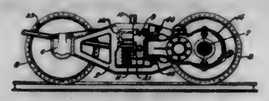
1,557,336. RAILWAY TRUCK. WILLARD F. ROCKWELL, Oshkosh, Wis. Filed Dec. 3, 1923. Serial No. 678,232. 5 Claims. (Cl. 105—109.)

1. In a car truck, a frame provided with a vertical pivot pin; an axle journalled in said frame; a gear

casing transversely journalled on said axle and longitudinally journalled in said frame; gearing including a clutch within said casing for driving said axle; and



an universal joint for transmitting power to said gearing, located below and substantially in alinement with said pivot pin.

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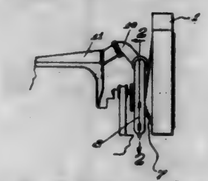
1,557,337. AIR COOLER FOR MOTORS. ARTHUR ROMDER, Benton Harbor, Mich. Filed Apr. 5, 1924. Serial No. 704,547. 1 Claim. (Cl. 123—171.)



An air cooler for motors comprising a frame forming an air opening, a plurality of shutters controlling the passage of air through said opening, link mechanism for operating said shutters, a collector formed at the rear of said opening, said collector having an outlet, a fan casing in communication with the collector through the outlet, a fan within the casing driven from the motor and a conduit forming communication between the casing and the motor jacket.

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1,557,338. METHOD OF PRODUCING HALF STUFFS AND CELLULOSE. ROLAND RUNKEL, Rottenburg-on-the-Neckar, Germany. Filed Dec. 10, 1923. Serial No. 679,776. 4 Claims. (Cl. 92—9.)

1. A method of producing half stuffs and cellulose from vegetable fibres of any kind, including peat, for the manufacture of paper pulp and paper, the distinguishing feature being that the chemical action of chlorine and alkalies is carried out simultaneously, whereby with periodically repeated addition of alkali, the complete loosening of vegetable fibres of any kind as well as wood, in the form of chippings so as to form a pure white cellulose substance is rendered possible in a considerably shortened and simplified course of working.

2. Method according to claim 1, the distinguishing feature being that the simultaneous action of chlorine and alkalies is carried out by continuous introduction of chlorine into the alkaline solution.

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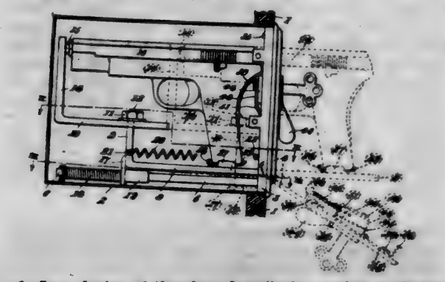
1,557,339. PISTOL-HOLDING DEVICE. JOHN R. SANDEN, Harriman, Tenn. Filed Jan. 31, 1924. Serial No. 689,721. 7 Claims. (Cl. 296—37.)



1. In a device of the class described, a casing, a closure door for the casing, a tensioned article-support slidable in the casing and normally retained in the casing against spring tension by the closure door, key-operated lock mechanism for the door including a sliding latch plate and manually operable means for the latch plate, the pistol support including guide rods, a plate supporting the pistol slidable on the guide rods, springs surrounding the rods for normally forcing the plate outwardly of the casing, like springs extending between the plate and open end of the casing, an angle member carried by the plate, a plug carried by the angle member entering the barrel of the pistol for supporting the same and an adjustable support for the butt of the pistol.

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1,557,340. SETTLING AND SEPARATING APPARATUS. BENNO SANDMANN, New Orleans, La. Filed June 19, 1924. Serial No. 721,078. 9 Claims. (Cl. 210—61.)

1. Apparatus of the character described, comprising a casing formed of two frustums of cones connected together at their bases to form a tapered bottom chamber and overhanging upper chamber, a series of concentric short cylinders arranged one above the other and having both ends open, each cylinder forming with the casing an annular chamber having the cross-sectional form of an inverted V, means for supplying the liquid to be treated to the upper chamber and for drawing off the sediment from the bottom chamber, a scum pipe projecting down through the center of the system and having its upper end provided with a funnel, said funnel being spaced apart from the upper cylinder, a tank for clear liquid, a series of pipes opening into said annular chambers and connected to said clear liquid tank, and a pipe opening into said lower chamber for drawing off the liquid therefrom, substantially as and for the purposes described.

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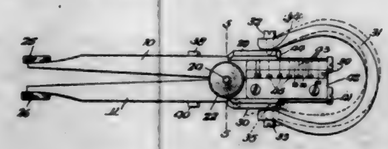
1,557,341. COMPRESSION GAUGE. OSCAR L. SCALBOM, Glenview, Ill. Filed May 31, 1923. Serial No. 642,440. 12 Claims. (Cl. 265—21.)



1. A compression gauge including two lever like members pivotally connected in proximity to one end, bearing members adjustably mounted upon said members, resilient means connecting the said bearing members, the points of connection of said resilient means



being movable with said members towards and away from the pivot of the first recited members, the opposite ends of the lever like members being movable towards each other against the stress of the said resilient means, and means for indicating the extent of pivotal movement of the last recited members against the force of said resilient means.

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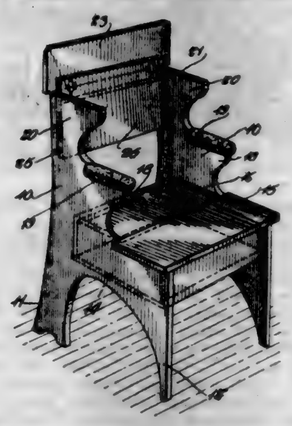
1,557,342. CONVERTIBLE FURNITURE. PHILIP M. SCHLAMP, Henderson, Ky. Filed Apr. 25, 1925. Serial No. 25,869. 2 Claims. (Cl. 155—42.)



1. A convertible article of the character described comprising side members formed to provide a series of stepped portions, a box extending from the front of the side portions to the back and constituting a seat, a lid to the box operatively hinged thereto and adapted to be normally disposed in a horizontal position and rest upon the lowest stepped portions of the sides to thereby constitute a lower step, a member disposed between the side portions and operatively pivoted thereto to be turned either into a vertical position approximately parallel with the back or into a horizontal position to form an intermediate step resting upon the intermediate stepped portions of the side members, and a top step hinged to the top of the back and shiftable into a vertical position to form a continuation of the back or into a horizontal position to form a top step resting upon the top stepped portions of the side members.

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1,557,343. TRACTION WHEEL. KUNO ERNEST SCHUETZ, Geyserville, Calif. Filed Aug. 26, 1924. Serial No. 734,338. 3 Claims. (Cl. 301—41.)

2. A wheel of the class described comprising an annular shell having a margin V-shaped transversely and a plurality of V-shaped outstanding lugs extending from opposite sides of the margin and projecting at their points beyond the apex of same, the lugs at one side being disposed opposite the spaces between the lugs at the opposite side, said shell having an annular seat at one side and inwardly directed stop lugs at the other side, a filler member having an axle bearing and formed with an annular rib to engage the seat of the shell and a plurality of seats to engage the stop lugs of the shell, and means for coupling the filler member to the shell.

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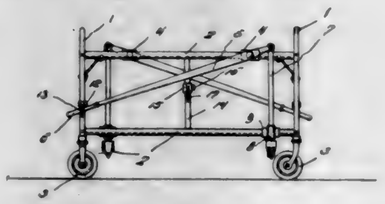
1,557,344. RADIATOR-TRANSPORTING TRUCK. OTTO H. SCHUH, Indianapolis, Ind. Filed Oct. 20, 1924. Serial No. 744,704. 3 Claims. (Cl. 214—65.4.)



1. In a radiator supporting truck of the class described, a wheel supported truck, a fulcrum block adjustably mounted thereon, a lever pivotally mounted between its ends on said block, a handle on one end of said lever, a keeper with which said handle is adapted to be engaged, a hoisting rod pivotally connected to the opposite end of the lever and depending therefrom, a second block adjustably mounted upon said truck, said second named block being equipped with a guide through which said rod is slidable, and a laterally directed radiator engaging arm swivelly mounted upon the lower end of said rod.

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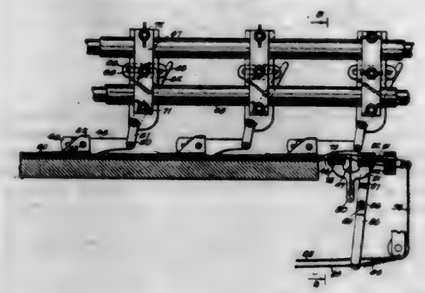
1,557,345. PILE CUTTER. JULIUS SCHUMACHER, West Hoboken, N. J. Filed Jan. 17, 1924. Serial No. 686,905. 13 Claims. (Cl. 26—8.)



1. In a pile cutting machine, means for guiding cloth through the machine from a supply roller to a receiving roller, a plurality of cutters adapted to move transversely of the cloth for cutting the pile as the cloth is passed through the machine, means for moving said cloth intermittently, means for reciprocating said cutters so as to cause them to perform a cutting operation while the cloth is stationary, and means for stretching the cloth adjacent the cutters at the time the cutters are functioning.

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1,557,346. SENSITIZED ELEMENT AND MOUNTING THEREFOR. FREDERICK SCHWANHAUSSER, New York, N. Y., assignor to Rusling Wood, New York, N. Y. Filed May 6, 1921. Serial No. 467,230. 8 Claims. (Cl. 83—24.)

5. A mounting including a supporting column, a backing, means for detachably securing said backing to said column, a plurality of adjustable brackets secured to

the rear face of said backing and adjacent the opposite side edges thereof, a sensitized element disposed across the front face of the backing, and adjustable clamps

carried by said adjustable brackets adapted to clamp and tauten the sensitized element in a plurality of parallel and opposite directions through adjustment of the said brackets.

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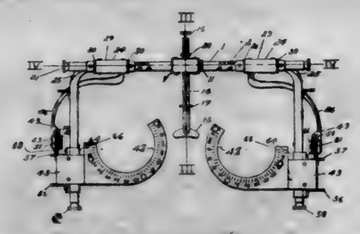
1,557,347. TRIAL FRAME. CHARLES SHEARD, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 3, 1922. Serial No. 572,632. 22 Claims. (Cl. 88—20.)



1. In a device of the character described, the combination with a central bar and a vertically and angularly adjustable nose rest support associated therewith comprising a block, a sleeve rotatably arranged around the block, means carried by the sleeve to prevent rotation thereof upon the block, and friction means for securing the bar in desired vertically adjusted position and a positive release for the friction lock to disengage the same when it is desired to raise the bar.

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1,557,348. SOLDERING COMPOUND. JOHN C. SHOTTON, Lakewood, Ohio. Filed Dec. 8, 1922. Serial No. 605,704. 14 Claims. (Cl. 148—23.)

1. A soldering compound including a decomposable product of a metal, said product being adapted to be fused and dissociated by heat to leave the metal residues at a temperature below the melting point of the metal.

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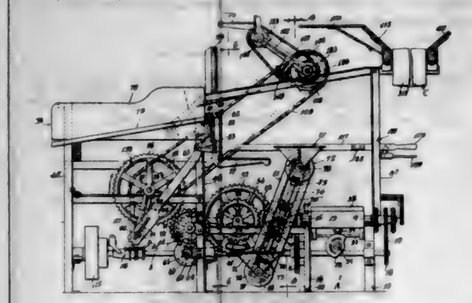
1,557,349. PROCESS AND MEANS FOR PREVENTING THE FORMATION OF HARD SCALES IN BOILERS AND FOR REMOVING SCALES ALREADY EXISTING. JOSEF SICHERT, Rogaska-Slatina, Yugoslavia. Filed Aug. 17, 1923. Serial No. 657,946. 6 Claims. (Cl. 87—27.)

3. The process for preventing the formation of hard scale in boilers and for removing scale already existing which process consists in emulsifying resins with the boiler water by means of organic protective colloids.

1,557,350. BOX-DUMPING MACHINE. FRED STEBLER, Riverside, Calif., assignor to Stebler-Parker Co., Riverside, Calif., a Corporation of California. Filed Mar. 28, 1922. Serial No. 547,449. 20 Claims. (Cl. 214—1.1.)



1. In combination, means for tilting a loaded box to discharge its contents, and means actuated in timed relation with the tilting means and cooperating with the open side of the box to regulate the rate of discharge.

6. In combination, a frame, a table for receiving loaded boxes, means for tilting the boxes to discharge their contents, a rotary elevator horizontally journaled on the frame, box lifters journaled on the elevator and adapted during their travel to engage the bottom of the box on the table, lift it from the table and deposit it on the box tilting means, and means intermediate the frame and the box lifters maintaining them in a horizontal plane throughout the rotation of the elevator.

13. In combination, a receiving table, means for advancing a succession of loaded boxes towards the table with an accelerated rate of advance of the foremost box to separate it from the following boxes, and operating to deposit the boxes at timed intervals upon the table, and box manipulating mechanism functioning in timed relation to said feeding means for removing the boxes from the table.

17. In box-handling mechanism, the combination of feeding mechanism for feeding the boxes forward in succession to a loading point, box-dumping mechanism having a plurality of box-carriers to move past the loading point and receive the boxes, means including a clutch for driving the dumping mechanism, and a member projecting near the path of the boxes on the carrier and operating when struck by a misplaced box, to open the clutch and stop the dumping mechanism.

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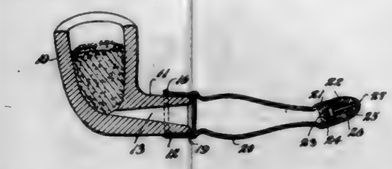
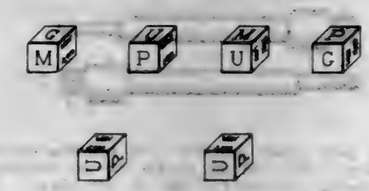
1,557,351. TOBACCO-PIPE STEM. CHARLES W. FISCHER, Sparks, Nebr. Filed Dec. 17, 1924. Serial No. 756,593. 3 Claims. (Cl. 131—12.)



2. A pipe stem comprising a screening cap threaded upon the neck of a pipe bowl, an elongated cooling chamber separately threaded upon the exterior of said cap, a mouthpiece carried by the free end of said cooling chamber and provided with a valve seat, a free ball valve cooperating with said seat, and means mounted in said valve casing and adjustable relative to the seat to limit the opening travel of said valve.



1,557,352. DICE GAME. GEORGE M. FOX, Springfield, Mass., assignor to Milton Bradley Company, a Corporation of Massachusetts. Filed July 24, 1924. Serial No. 728,025. 3 Claims. (Cl. 273—146.)



1. A device for playing a game comprising a die having separately exhibited on each of four sides thereof the different letters of a key word, and scoring indicia exhibited separately on each of the other two sides of said die indicating by numerical value either a win or a lose.

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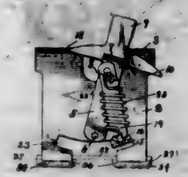
1,557,353. SWITCH. HARRISON J. L. FRANK, Detroit, Mich., assignor to Mutual Electric and Machine Company, Detroit, Mich., a Corporation of West Virginia. Filed May 5, 1922. Serial No. 558,791. 8 Claims. (Cl. 200—67.)



1. In a switch, the combination of a frame having spaced sides, a contact carrier pivoted on the frame and comprising sides outside the frame and a cross member connecting the sides, an actuator pivoted within the frame adjacent the path of said cross member, resilient and positive connectors between said contact carrier and the actuator, a pair of stationary contacts mounted on the frame, and a pair of contacts mounted on the contact carrier adapted to engage and disengage the stationary contacts as the contact carrier is moved by the actuator.

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1,557,354. PROCESS FOR PRODUCING PHOTOMECHANICAL PRINTING PLATES. AMBROS GALEWSKA, Dresden, Germany, assignor of one-half to Sächsisches Serumwerk Aktiengesellschaft, Dresden, Germany. Filed June 26, 1925. Serial No. 39,813. 7 Claims. (Cl. 41—41.5.)

1. Process for producing printing plates consisting in placing an elastic, non-sensitive layer on a base, placing a sensitive layer on the non-sensitive layer, and transferring the object to be printed onto the sensitive layer by photographic means.

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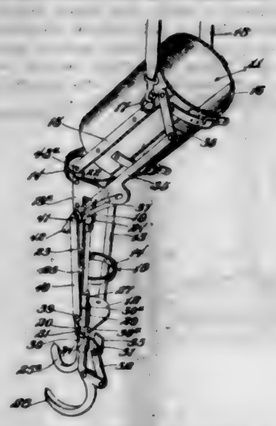
1,557,355. ARTIFICIAL HAND. HENRY F. GEISE, Whites, Wash. Filed June 9, 1925. Serial No. 36,024. 7 Claims. (Cl. 3—12.)

1. In a device of the character described, a socket adapted to receive a handless arm, a bearing carried by said socket, a pair of members rotatable within the bearing, one of said members being longitudinally shiftable upon the other thereof through the bearing, the other of said members being fixed against longitudinal movement, an upper arm socket, and connections between the upper arm socket and the first named member whereby the first named member can be shifted longitudinally of the second named member, said connections



being adjustable to determine the direction of motion of the first named member as the first named socket is moved into or out of alignment with the upper arm socket.

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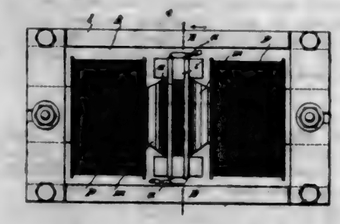
1,557,356. ELECTRODYNAMIC LOUD-SPEAKING APPARATUS. ERWIN GERLACH, Siemensstadt, near Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Jan. 12, 1924. Serial No. 685,812. 6 Claims. (Cl. 179—115.)



1. In an acoustic device for converting electrical energy into sound energy or sound energy into electrical energy, a light ribbon-shaped conductive diaphragm disposed between the poles of a constant field magnet and adapted to carry alternating speaking currents, said diaphragm having means for rendering it elastic to enable it to perform motions transversely to its plane of approximately equal amplitude over its entire length.

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1,557,357. FOUNTAIN PEN. HERBERT GORNELL, Twickenham, England. Filed Sept. 14, 1923. Serial No. 662,689. 1 Claim. (Cl. 120—49.)

A fountain pen comprising, in combination, a pen nib, a hollow holder therefor having its end nearest the butt end of the pen open, a collar secured within said open end, an inner hollow cylindrical member rotatably bearing within said collar and extending into said holder, said cylindrical member having an annular shoulder engaging with said collar to prevent said cylindrical member moving longitudinally towards the butt end of the pen, a second collar secured on the outside of said hollow cylindrical member, at a part thereof which is outside said holder, said second collar forming manually oper-

ated means for rotating said cylindrical member, packing to prevent flow of fluid from the annular space between said cylindrical member and said holder past said collars to the atmosphere, a piston and piston rod for said hollow cylindrical member, said hollow cylindrical member having an opening between said annular space and the interior of said hollow cylindrical member adjacent the butt end of said annular space and hollow interior, so

that by moving said piston to the nib end of said cylindrical member ink may be sucked into said holder through the nib end thereof and an operative connection formed between said cylindrical member and said pen nib, such that rotation of said cylindrical member within said holder in reverse directions respectively effects movement of said nib to and from an operative position and a protected position within said holder.

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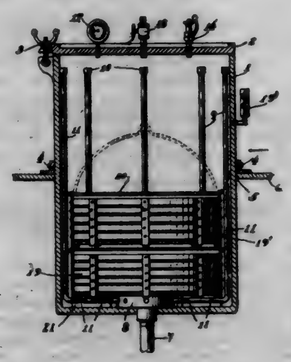
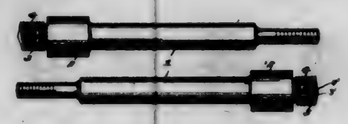
1,557,358. METHOD OF TREATING FRUIT FOR CANNING PURPOSES. EUGENE G. GRAB, Washington, D. C. Filed Aug. 20, 1923, Serial No. 658,369. Renewed June 16, 1925. 1 Claim. (Cl. 99—8.)



1. A method of treating fruit or the like in bulk consisting in extracting air and gases therefrom and instantly applying and equally distributing steam thereto.

1,557,359. SPINDLE FOR BICYCLE PEDALS. JAMES H. GRAHAM, Torrington, Conn. Filed Sept. 22, 1924. Serial No. 739,121. 3 Claims. (Cl. 208—70.)



1. A pedal spindle provided at its attaching end with intersecting right and left threads, thereby adapting it for screwing into either a right or left crank.

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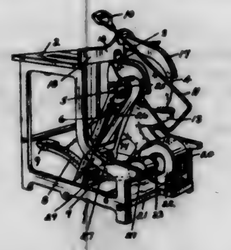
1,557,360. CROSSCUT-SAW MECHANISM. FREDERICK J. GREENE, Racine, Wis. Filed Feb. 15, 1924. Serial No. 692,998. 3 Claims. (Cl. 143—46.)



1. A circular saw mechanism comprising the combination with a supporting frame, a bracket pivotally connected to the base portion of the frame, a circular saw having an arbor journalled in the upper portion of the bracket, pulleys carried by said arbor and bracket, a motor supported on the rear portion of the frame and provided with a pulley in belted connection with the bracket pulleys and arbor pulley, and means for manually adjusting the bracket to swing the saw into and out of operative position from the side of the frame opposite to that at which the motor is located, said swinging bracket being also provided with a dust collecting pan having a laterally extending spout supported from the bracket and adapted to swing therewith.

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1,557,361. NUT LOCK. JESSE GRIMM, New Philadelphia, Ohio. Filed July 23, 1925. Serial No. 45,550. 3 Claims. (Cl. 151—17.)

1. In a nut and bolt lock the combination with a bolt having right and left hand threads, of a pair of superposed nuts one having right hand and the other left hand threaded bores, one of said nuts having a slot cut



transversely thereof through approximately two-thirds of its width to set up a spring tongue, the bore through said tongue portion being of increased diameter and unthreaded, and means formed upon the abutting surfaces of the lower nut and the tongue of said upper nut to set up a locking engagement therebetween.

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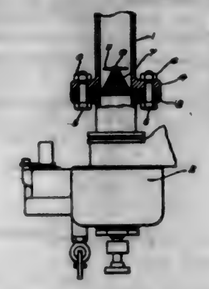
1,557,362. MIXING DEVICE. OSCAR HARRIS, Hackensack, N. J., assignor to The Perfect Gasoline Vaporizer Company, Paterson, N. J., a Firm. Filed June 3, 1924. Serial No. 717,623. 1 Claim. (Cl. 48—180.)



As a new article of manufacture, a mixing device adapted to be inserted in the intake manifold of an engine, and comprising a conical screen having its apex cut off whereby an opening is formed, a gasket constituting the support of the screen and adapted to be clamped between pipe sections, and a circular screened deflector having a central opening receiving the open smaller end of the conical screen and fixed thereto and of less diameter than the larger end of the screen.

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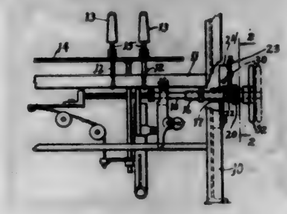
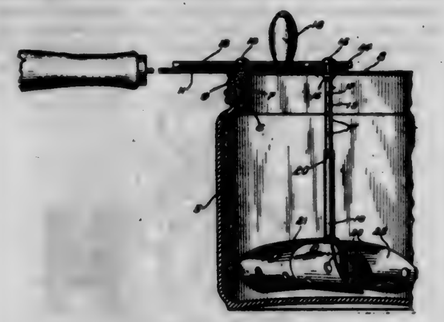
1,557,363. BUILDER MECHANISM FOR SPINNING AND LIKE MACHINES. ELLIS HARTLEY, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed May 16, 1925. Serial No. 30,692. 2 Claims. (Cl. 242—43.5.)



1. The combination with a cap spinning machine having a movable bobbin rail and mechanism for raising and lowering said rail including a revolvable shaft, of a sleeve revolvable with and slidably mounted on said shaft, a driving gear, a gear fixed to the sleeve in position to engage and disengage said driving gear as the sleeve is slid along the shaft, a transverse groove in the sleeve, a member slidably mounted in a bracket fixed to the framing of the machine and cooperating with said groove to lock the sleeve gear and driving gear in normally operative position, means to normally maintain said member in its locking position and manually operative means to release said member from its locking engagement with said sleeve.

1,557,364. EGG BEATER. AFTON REES HEADLEY, Mulberry, Ohio. Filed Nov. 4, 1924. Serial No. 747,862. 3 Claims. (Cl. 259—122.)



1. In a beater, a cover for a receptacle, a handle secured to the cover, a plurality of meshing gears carried by the handle, the means for securing the handle to the cover also serving as a mounting for one of the gears, and a beater carrying shaft mounted in the cover and handle and upon which another of the said gears is mounted.

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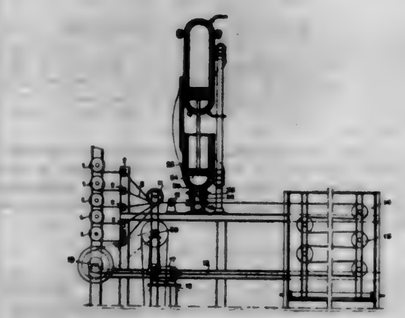
1,557,365. DEVICE FOR MAKING WIRE BANDS FROM WHICH WHALEBONES ARE MADE. ANDRÉ JONAS, Etampes, France. Filed Apr. 11, 1923. Serial No. 631,482. 8 Claims. (Cl. 18—13.)



1. A device for making a wire band from which artificial whalebones are made, comprising means for laying a plurality of metallic wires side by side in spaced relation and all in the same horizontal plane, means for imparting a traveling movement to the said wires, and means for applying an adhesive substance to said wires to bind them together and form a coated flat band.

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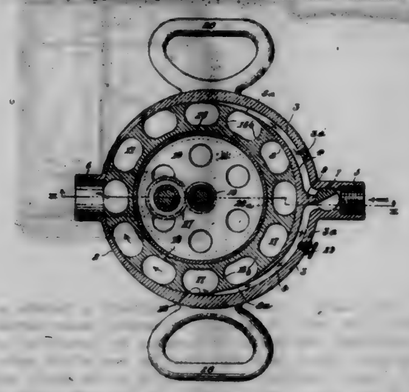
1,557,366. MOTOR-OPERATED DRILL. GEORGE JURESISIN, Wilkes-Barre, Pa. Filed June 18, 1923. Serial No. 646,280. 2 Claims. (Cl. 253—2.)

1. An air motor for drills comprising a truly cylindrical casing, a truly cylindrical rotor chamber eccentrically formed therein and permanently closed at one end, axially alined inlet and exhaust ports for said casing with the common axis of said ports intersecting the parallel axes

of the casing and rotor chamber at right angles thereto, said exhaust port communicating directly with the rotor chamber, the thickest side of the wall of the casing, formed by the eccentric location of the rotor chamber, having motive fluid feeding passages formed circumferentially therein communicating with and extending in opposite directions in respect to the inlet port, said feeding passages communicating with the rotor chamber at substantially diametrically opposite points, a rotor in said chamber having circumferentially elongated pockets formed in its periphery with the end walls of each pocket formed on an arc, means for closing the open end of said rotor chamber, a tool socket rotatably carried by said means, means for operatively connecting the rotor and tool socket, and means for selectively controlling the communication of the inlet port with the fluid feeding passages for causing rotation of the rotor in opposite directions.



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1,557,367. PROCESS FOR INCREASING THE STRENGTH OF METALLIC BODIES. HERMANN KÄNDLER, Berlin-Friedenau, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Dec. 20, 1923. Serial No. 681,849. 3 Claims. (Cl. 148—4.)

3. A process of increasing the strength of a metallic body, which consists in subjecting the surface of the body successively to the action of different corroding agents to remove discontinuities in the body surface beyond the reach of mechanical tools.

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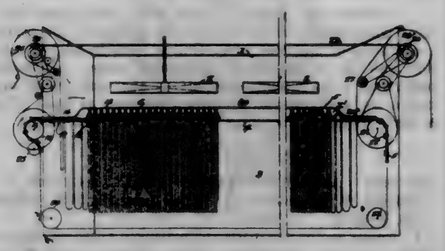
1,557,368. LOOP DRIER. FREDERICK KERSHAW and ALPHEUS O. HURXTHAL, Philadelphia, Pa., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 17, 1924. Serial No. 738,167. 8 Claims. (Cl. 34—12.)



1. The combination in a loop drying machine, of two tracks spaced apart; an endless chain arranged to travel over each track; girts connecting the chains; a driven sprocket wheel arranged to push the chains over the tracks; means for holding the chains in an elongated position with the girts spaced a considerable distance apart; and means allowing the chains to be buckled so that the girts will be arranged close together.

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1,557,369. MEANS FOR SKIMMING OFF FROTH. JAN WILLEM KLEINENTINK, Hoensbroek, Limburg, Netherlands, assignor to Naamlooze Vennootschap Vereenigde Kolenmaatschappij en ter Voortzetting der Steenkolenzaken, Gedreven Door de N. V. Furness' Kolenmaatschappij en Hoven en Henny's Handelmaatschappij, Rotterdam, Netherlands, a Company organized under the laws of The Netherlands. Filed Nov. 6, 1923. Serial No. 673,208. 6 Claims. (Cl. 83—85.)

1. The combination with a vat adapted to contain a liquid with surface characteristics induced by froth flotation, of skimming means to remove the froth, including relatively movable skimming elements adapted for actual and displaceable contact during the skimming operation, one of said elements having a convex pressure face and the other of said elements being directly radial of the vat.

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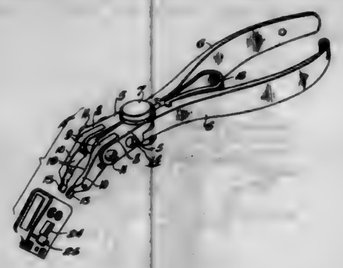
1,557,370. TOOL FOR APPLYING AND REMOVING LAUNDRY MARKERS. EDWIN LANE, New York, N. Y., assignor to Carolyn Laundry, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1923. Serial No. 681,641. 5 Claims. (Cl. 81—9.1.)



1. A tool of the class specified, comprising pivoted handles having jaws provided with adjustable arms terminating in spaced nibs with the outer sides thereof constructed as the engaging portions thereof, the arms being disposed at an angle to the jaws.

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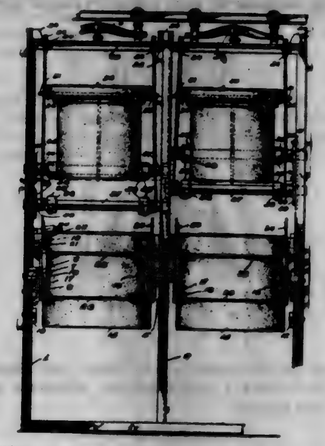
1,557,371. APPARATUS FOR CASTING POTTERY WARE. EDWARD S. LEA, Morrisville, Pa., assignor to Carrier Engineering Corporation, Newark, N. J., a Corporation of New York. Filed Nov. 12, 1924. Serial No. 749,491. 18 Claims. (Cl. 25—29.)

1. Apparatus for casting pottery ware from slip comprising a portable support, a mold pivoted thereon for



rotary movement from charging to dumping position, and a core suspended on said support above the mold



and adapted to be moved into and out of cooperative engagement with the latter.

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1,557,372. APPARATUS FOR CASTING POTTERY WARE. EDWARD S. LEA, Morrisville, Pa., assignor to Carrier Engineering Corporation, Newark, N. J., a Corporation of New York. Filed Nov. 12, 1924. Serial No. 749,492. 14 Claims. (Cl. 25—29.)

1. Apparatus for casting pottery ware from slip comprising a portable support, a mold section pivoted thereon for rotary movement from charging to dumping position, a frame pivoted to said support above the mold section, and a second mold section pivoted in said frame and adapted to be swung into and out of engagement with the first mold section by the movement of said frame.

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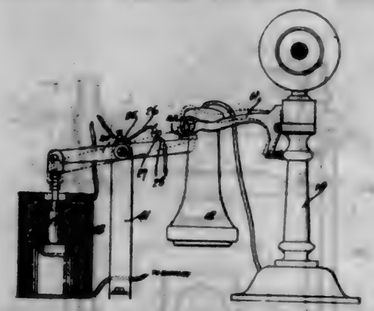
1,557,373. BURGLAR ALARM. ANDREW D. SINDT, New York, N. Y. Filed Mar. 30, 1922. Serial No. 548,066. 4 Claims. (Cl. 179—5.)

1. In combination with a telephone system including a telephone set and an annunciator, of an alarm comprising a switch in conjunction with the means for closing an entrance, an electric circuit including a battery controlled by said switch, a solenoid energized by the closing of the circuit, and a pivoted arm one end of which carries the armature of the solenoid, the other end



of the arm having a projection extending under the receiver hook of the telephone, said projection having insulating material thereon and normally just engaging said hook, whereby the arm will be operated by the solenoid to raise the receiver hook.

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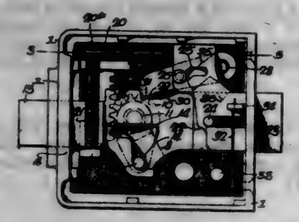
1,557,374. LATCH. FRANK SOLEY, Philadelphia, Pa., assignor to The Miller Lock Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 21, 1922. Serial No. 576,520. 10 Claims. (Cl. 20—29.)



1. The combination of a casing; a bolt mounted therein; an arm; a locking block geared thereto and arranged to be located back of the bolt when the bolt is in a fully projected position, said arm retracting the bolt and operating the locking block.

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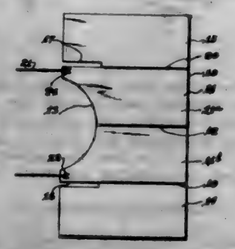
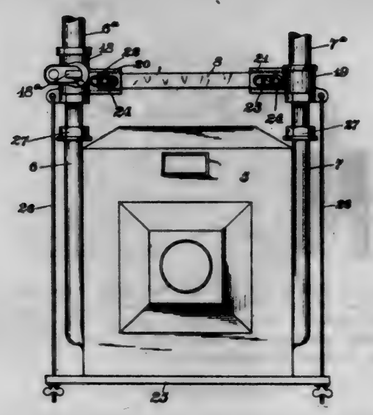
1,557,375. SUN SHIELD. PAUL STERN, Pawtucket, R. I. Filed Apr. 16, 1925. Serial No. 23,522. 3 Claims. (Cl. 2—12.)



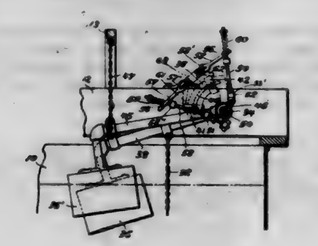
1. A device of the kind described comprising a central section having a cut-out portion, and two wing members, said central section and wing members having slots therebetween for attaching the shield to a head covering substantially as shown and described.

1,557,376. HANGER STRUCTURE FOR METERS. FRANK E. STEVENS, Columbus, Ohio, assignor to The Lattimer-Stevens Company, Columbus, Ohio, a Corporation of Ohio. Filed Feb. 3, 1923. Serial No. 616,774. 1 Claim. (Cl. 248—30.)



A hanger structure for a meter including meter-inlet and meter-outlet pipe-connecting sections, each provided with a seat, and a member connecting said sections consisting of a thin flat bar of resilient material tortionally deformable to fit flatwise at its ends on said seats, and means rigidly securing said bar at its ends to said seats.

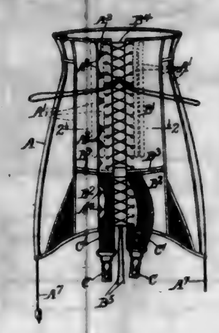
1,557,377. CONTROLLING DEVICE OF HYDRAULIC RAMS. FRANK STOFFER, Fenelton, Pa. Filed Apr. 23, 1924. Serial No. 708,582. 10 Claims. (Cl. 137—163.)



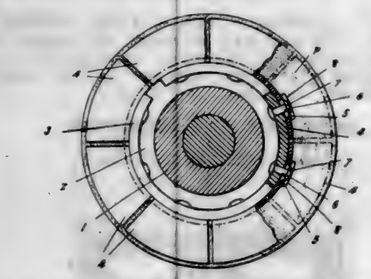
1. In a device of the class described, a pipe for connection with a hydraulic ram, a valve for closing the pipe, and means controlling the valve, said means including a float for opening the valve, a second float controlling the action of the float first named, concentric shafts, and means for mounting the floats, respectively, on said shafts.

1,557,378. CORSET. ETHEL M. STOWERS, Chicago, Ill. Filed Mar. 7, 1921. Serial No. 450,342. 5 Claims. (Cl. 2—29.)

1. A corset comprising an upper front panel extending upwardly from its lower edge which is arranged at approximately the groin or hip line, a lower panel extending downwardly from its upper edge which is arranged at approximately the groin or hip line in the same general location of the lower edge of the upper panel, the two panels designed to slide relative to each other longitudinally of the corset as the wearer sits down, and means for exerting a simultaneously downward pull on each of said panels.

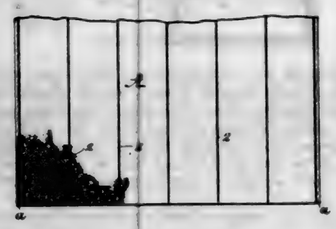


1,557,379. PISTON RING. WILLIAM SUDEKUM, Nashville, Tenn. Filed Jan. 27, 1925. Serial No. 5,095. 4 Claims. (Cl. 74—109.)



1. In a piston ring, the combination of an expansible collar; a plurality of packing carriers; sliding connections between the collar and the carriers; and a continuous ring of packing in the carriers.

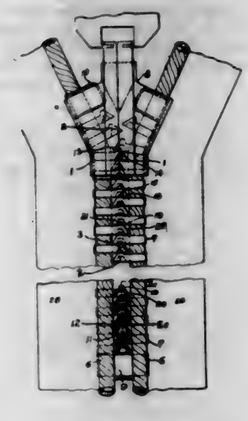
1,557,380. SPRING-CUSHION CONSTRUCTION. SAMUEL SUKKOFF and WILLIAM W. GLEASON, Chicago, Ill.; said Gleason assignor, by mesne assignments, to A. F. McKeown, jr., Chicago, Ill. Filed Feb. 1, 1923. Serial No. 616,250. 5 Claims. (Cl. 5—353.)



1. A method of manufacturing spring cushions consisting of sewing narrow fabric strips along their side edges to top and bottom fabric pieces, along parallel spaced lines to form a cover member containing a plurality of spring compartments extending the length or width of the cushion, cutting other similarly formed fabric members transversely of the narrow strips to form relatively narrow spring retaining members, inserting springs into said spring retaining members, and inserting the filled spring retaining members endwise into said compartments and closing the ends of said compartments.

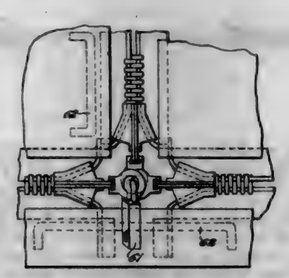


1,557,381. FASTENER. GIDEON SUNDBACK, Meadville, Pa., assignor to Hookless Fastener Company, a Corporation of Pennsylvania. Filed Jan. 8, 1923. Serial No. 611,211. 13 Claims. (Cl. 24—205.)



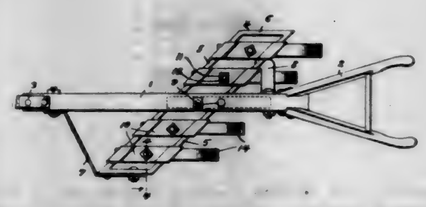
1. A plurality of interlocking members for an opening, which are adapted to be controlled by a slider, each of said members being provided with a projection on one side and a recess on the opposite side in axial alinement with said projection, the recess being enough larger than the projection to permit a lateral movement between the interlocked members.

1,557,382. MULTIPLE-SLIDE CLOSURE. GIDEON SUNDBACK, Meadville, Pa., assignor to Hookless Fastener Company, a Corporation of Pennsylvania. Filed Jan. 20, 1923. Serial No. 613,825. 26 Claims. (Cl. 24—205.)



1. A body provided with a plurality of openings, connecting means for the sides of said openings and a plurality of movable devices for closing said openings by moving said devices toward a common point.

1,557,383. HARROW. JESSE SUTTON, Silver Creek, Miss. Filed Oct. 13, 1924. Serial No. 743,358. 2 Claims. (Cl. 55—33.)

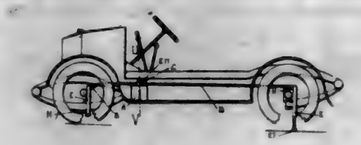


1. A device of the class described comprising a beam, a frame fastened to the lower edge thereof, said frame being composed of inclinedly arranged side bars and end bars connecting the side bars together, cross pieces on the frame arranged parallel to the beam, bolts carried by the cross pieces, a yoke carried by each bolt, teeth having their shanks passing through the yokes and resting against the lower edges of the side bars.

1,557,384. METHOD FOR THE MANUFACTURE OF DIPHENYLAMINE CHLORARSINE. WELLINGTON LEE TANNER, Cleveland, Ohio, assignor to The Graswell Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 17, 1922. Serial No. 582,531. 5 Claims. (Cl. 260—14.)

5. Process for the manufacture of diphenylamine chlorarsine which comprises heating a mixture of arsenic trioxide and diphenylamine hydrochloride.

1,557,385. VEHICLE JACK. WYNANT TASTENHOYE, Menin, Belgium. Filed Dec. 4, 1923. Serial No. 678,487. 4 Claims. (Cl. 138—9.)

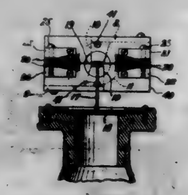


1. Lifting devices for a vehicle comprising a plurality of fluid pressure jacks applicable to the vehicle, a fluid pressure pump and a reservoir, connections between the jacks and the fluid pump, a distributing device between the pump and said connections for delivering fluid to the jacks alternately, and means in said distributing device for returning the fluid from the jacks to the reservoir.

1,557,386. ELECTROMAGNETIC DEVICE. ALBERT L. THURAS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 8, 1923. Serial No. 667,154. 16 Claims. (Cl. 179—114.)

5. A magnetic structure comprising a magnet producing a steady magnetic field, pole pieces attached to said magnet, an armature in operative relation to said pole

pieces, and means for compensating for the magnetic pull on said armature, said means comprising a plu-



rality of air cushions disposed on each side of said member whereby a constant resultant elasticity is provided for all displacements of the armature.

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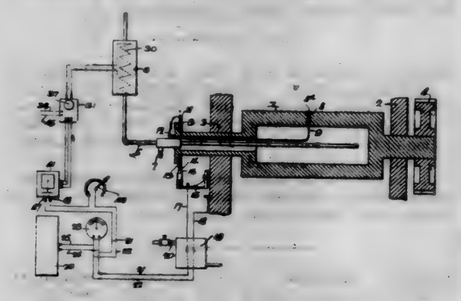
1,557,387. ELECTRIC TEMPERATURE CONTROL. CHARLES B. THWING, Philadelphia, Pa., assignor to Thwing Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 23, 1923. Serial No. 620,857. 6 Claims. (Cl. 136—4.)



1. The combination with a roll of an element mounted adjacent to the working surface thereof and forming with said roll a thermo electric couple, said element having different thermo-electric properties from the roll.

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1,557,388. ANTIGLARE DEVICE. EDWARD B. TILDEN, New Orleans, La. Filed Aug. 1, 1923. Serial No. 655,123. 2 Claims. (Cl. 296—97.)

1. An anti-glare attachment for windshields comprising a frame adapted to be disposed in advance of a windshield and having means for attachment to the frame thereof, a plurality of shutters having trunnions journaled in the frame, a rod connecting all the shutters for simultaneous movement, a toothed disk on a trunnion of one shutter, bearings on the first named frame a control shaft journaled through said bearings and extending rearwardly beyond the side of the windshield with one end projecting into the vehicle and equipped with an operating head, and a worm on said shaft meshing with said toothed disk.

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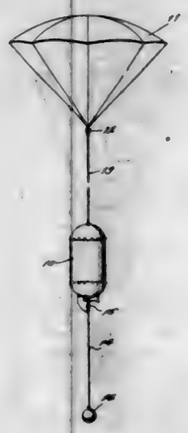
1,557,389. MEANS FOR ASCERTAINING ELEVATIONS OF AIRCRAFTS. ELBERT N. TODD, Crisfield, Md. Filed Mar. 16, 1925. Serial No. 16,072. 3 Claims. (Cl. 250—1.)



1. In an apparatus of the character described, the combination of a radio receiving apparatus, a portable radio transmitting apparatus adapted to be dropped, and impact operated means for controlling the energisation of the transmitting mechanism.

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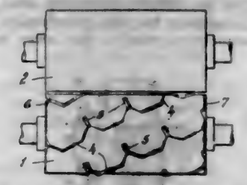
1,557,390. DRAIN VALVE FOR OIL RECEPTACLES. GEORGE TOLK and ALVIN H. ROSENBAUM, Brooklyn, N. Y.; said Rosenbaum assignor to said Tolk. Filed Jan. 19, 1924. Serial No. 687,204. 2 Claims. (Cl. 137—139.)

2. In an oil drain valve, the combination with a body and a valve plunger therein, of means for opening and closing said valve comprising a wire having one end secured to said valve, a head secured to the other end of the wire, a guide within which said head is movable for exerting a tension on said wire to open the valve, said head having a bore to receive an end of said wire and also having an axial socket remote from the wire, a clamping member for securing the wire in the head, said clamping member extending laterally from the head and wire and co-operating with said guide to prevent rotation of said head in the guide, and a member projectable endwise into said head socket for drawing the same and the wire longitudinally of the guide, substantially as set forth.



1,557,391. SHINGLE-STRIP CUTTER. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Company, a Corporation of New Jersey. Filed May 24, 1922. Serial No. 563,305. 2 Claims. (Cl. 164—28.)



1. In a shingle strip machine, a rotary cutter comprising a smooth faced cylinder, and a plurality of series of cutting dies projecting uniformly from the surface of the cylinder and arranged thereon in non-intersecting helically extending parallel lines.

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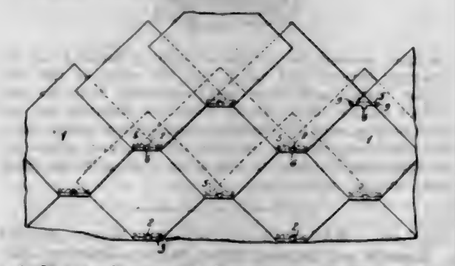
1,557,392. ROOF. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Co., a Corporation of New Jersey. Filed June 16, 1924. Serial No. 720,390. 5 Claims. (Cl. 108—33.)



1. In a roof composed of overlapping flexible shingles each having a preformed opening through its lower end portion, a metallic fastener secured to two adjacent shingles of a course and having a tongue-like member that passes horizontally through the opening in an overlapping shingle of the next upper course and lies upon the lower end of said shingle, whereby to hold down the end but to permit of a sliding motion of this shingle on the tongue-like member.

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1,557,393. EMERGENCY SOLE. BARNET L. ABRAMS, New York, N. Y. Filed July 21, 1924. Serial No. 727,268. 5 Claims. (Cl. 36—15.)

1. An emergency-sole comprising an elastic pad, stiffening means secured thereto, and means on said stiffening means for permitting an attachment of said emergency-sole by bending said means around the outer edge of said sole to form a rim for the same outside of the edge portion of said sole.

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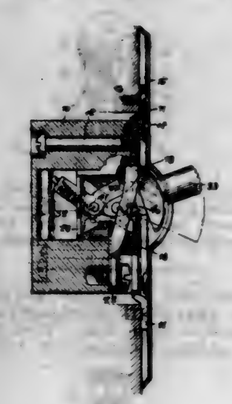
1,557,394. ELECTRIC SWITCH. CARL ERIC ANDERSON, Stratford, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 11, 1921. Serial No. 451,462. 8 Claims. (Cl. 200—67.)

1. An electric switch comprising a freely oscillating switch bar, a switch spring, one end of which operatively engages the same, a rock lever operatively engaging the other end of said spring to shift said end across the axis of oscillation of the switch bar, and means moving with the rock lever but independently pivoted on the



axis thereof and having a lost motion engagement with said switch bar on the throw of the rocker in either direction, said means serving to positively initiate the oscillation of the switch bar.

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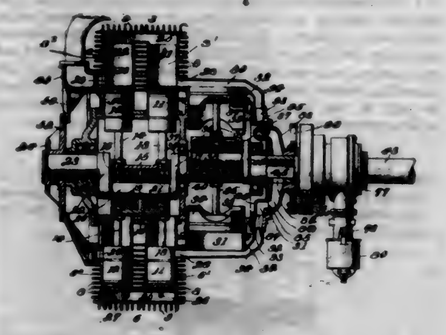
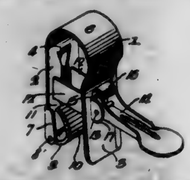
1,557,395. ROTARY GAS ENGINE. BENJAMIN FRANKLIN AUGUSTINE, Buffalo, N. Y. Filed Dec. 15, 1920. Serial No. 430,878. 10 Claims. (Cl. 123—44.)



7. A two cycle gas engine including in combination a plurality of cylinders having piston controlled intake ports, a reciprocating pump associated with each cylinder, ports connecting the pumps with a common supply, cut-off disk between the pumps and the supply timed so that each pump draws from the supply by suction an amount of fuel gas determined by the throttled condition of the supply and delivers said fuel gas directly to the cylinder with which it is associated, said pump being so proportioned and arranged as to deliver the gas continuously during the entire time that the intake ports are open to receive gas and at a pressure sufficiently low to prevent turbulence of the gases in the engine cylinders, and means for closing the exhaust ports in advance of the closing of the intake ports.

1,557,396. TOGGLE. ELWOOD B. AYRES, Melrose Park, and CHARLES S. MORRISON, Elkins Park, Pa., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 27, 1924. Serial No. 716,134. 3 Claims. (Cl. 24—258.)



2. The combination in a toggle, of a body portion having a back plate and a clamp plate; an eccentric jaw pivotally mounted on the back plate; and means for forcing the clamp plate towards the jaw.

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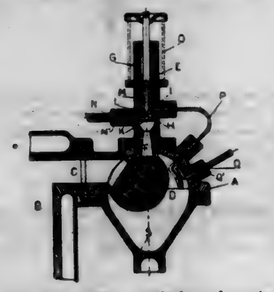
1,557,397. INJECTING AND CARBURETING APPARATUS FOR HEAVY-OIL HIGH-POWER ENGINES. ALBERTO BAGNULO, Turin, Italy. Filed May 22, 1922. Serial No. 562,702. 5 Claims. (Cl. 123—25.)



1. In combination with a cylinder of an internal combustion engine, a combustion chamber communicating with said cylinder, an injecting device communicating with the chamber, a catalyzing body disposed in the latter, means for separately supplying oil and steam to the injecting device and means to permit the oil and steam to mix in the injecting device and to be injected into said combustion chamber.

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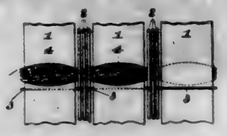
1,557,398. TEXTILE FABRIC AND METHOD OF MANUFACTURING THE SAME. CONSTANT BALAY, St. Etienne, France. Filed Oct. 31, 1922. Serial No. 598,192. 6 Claims. (Cl. 139—416.)



1. A decorative fabric, comprising, in combination, a fabric base formed of paper strips placed flat and forming warp members, decorative elements supported on the base, and tying threads fastening the decorative elements on the paper strips.

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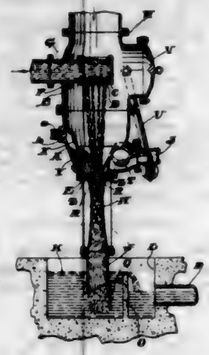
1,557,399. MULTIJET CONDENSER. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 15, 1923. Serial No. 625,416. 1 Claim. (Cl. 261—116.)

In a low level multi-jet condenser, the combination of a condenser casing, a nozzle plate having nozzles mounted thereon adapted to emit a plurality of unprotected convergent streams of water through the chamber formed by said casing, a discharge opening at the lower end of said casing, a diffuser having a contracted throat to which the streams of water are directed, a tank, and a tail piece on the diffuser extending into the tank, an inlet to said chamber for the introduction of steam, a perforated protective apron in the lower portion of the



chamber around the discharge opening forming an air chamber between the apron and the walls of the condenser casing, said apron being supported from the condenser casing independently from the mounting for the said nozzles, said air chamber being located wholly above the discharge opening into the diffuser, and means for withdrawing leakage air and gases from said air chamber beneath said apron.

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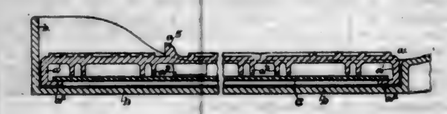
1,557,400. MAT FOR VEHICLES. ALFRED GEORGE BARRETT and HUBERT HENRY BURTON, Leicester, England. Filed Nov. 28, 1924. Serial No. 752,789. 1 Claim. (Cl. 280—169.)



A foot rest for a motor vehicle comprising a recessed foot board, a mat mounted in the recess of said foot board, said mat having inturned flanges and depending projections, a stiffening plate in the recess of said foot board on the inturned flanges of said mat and supporting the depending projections of said mat so that said projections may yieldably support a foot on the mat, and side lugs carried by said mat and cooperating with a portion of said foot board in providing a heel socket.

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1,557,401. PRUNING SHEARS. LEON J. BARRETT, Worcester, Mass. Filed Feb. 27, 1925. Serial No. 12,169. 3 Claims. (Cl. 30—11.)

1. In a hand pruning shear, the combination with a pair of crossing handles, one of them having a slot arranged longitudinally with respect to the cutting edge and the other having a stud extending into the slot, of a link extending from a point near the stud on one handle to a point near the outer end of the other handle and pivotally connected with both for causing a sliding motion of one with respect to the other when they are opened or closed, said link being located entirely in the space between the two handles, whereby it does not form a projection from the surfaces of the shears.



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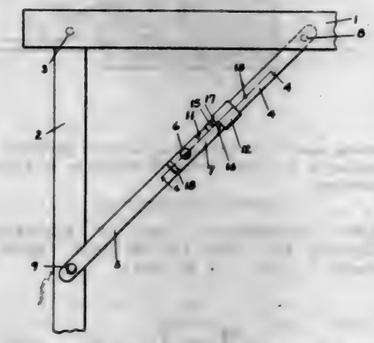
1,557,402. BRACE FOR FOLDING TABLES. JAMES BATTSON, Ludington, Mich., assignor to The Carrom Company, Ludington, Mich. Filed Aug. 30, 1922. Serial No. 585,153. 1 Claim. (Cl. 45—11.)



A brace of the class described comprising a pair of flat links pivotally connected in overlapping relation and adapted at their outer ends for pivotal connections for the parts to be braced, the upper link having a notch in its rear edge, the lower link having a coacting stop struck inwardly from its rear edge and adapted to swing into the notch when the brace is extended, the inner edge of the lower link being notched to form a keeper, a loop-like catch slidably embracing the upper link and having its lower edge notched providing a catch coacting with said keeper when the brace is extended, the end of the lower link and the end of said catch being oppositely curved so that the catch is automatically engaged when the brace is extended, and stops struck laterally from the upper link limiting the movement of said catch thereon, the lower link being offset adjacent its pivot permitting its being swung over said catch when the brace is collapsed.

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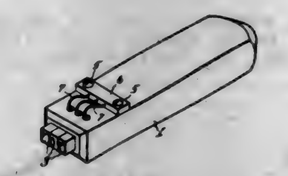
1,557,403. STEEL STAMP. ORLAND F. BAUGHMAN, Lakewood, Ohio, assignor to The Dickey-Grabler Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 2, 1925. Serial No. 20,160. 6 Claims. (Cl. 101—28.)



1. A device of the character set forth comprising a body portion having a type receiving socket, and a plurality of spring fingers severally secured to one side of said body portion, the adjacent side wall of the socket being cut away and the ends of said spring fingers being projected therethrough for holding engagement with type within the socket, each finger engaging an individual type and functioning independently of the other fingers, as and for the purpose specified.

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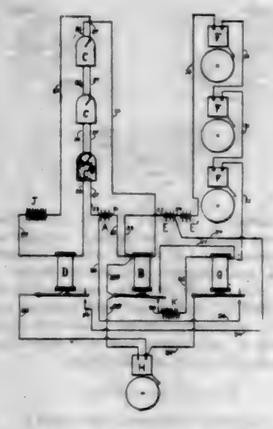
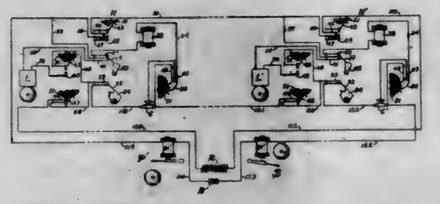
1,557,404. SIGNALING SYSTEM. CLARENCE E. BEACH, Binghamton, N. Y., assignor to The Gamewell Company, Newton, Mass., a Corporation of Massachusetts. Filed Jan. 7, 1920. Serial No. 349,948. 5 Claims. (Cl. 177—367.)



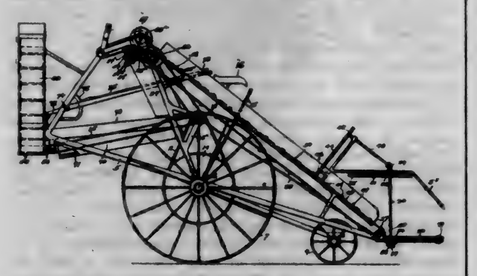
3. A signal system comprising repeating mechanism including circuit controlling means and electromagnetic mechanism unresponsive to current flow of less than a certain predetermined intensity and arranged to cause functional actuation of said controlling means in response to current flow of greater intensity; a transmitting circuit including said electromagnetic mechanism, a current source, a relay arranged for effective energization in response to current flow in said circuit of less than the aforesaid predetermined intensity, and transmitting stations arranged to formulate signaling impulses in said circuit by abnormal conditioning thereof to terminate effective energization of said relay, said circuit of such resistance so arranged that the current flow normally induced by said current source will be only sufficient to assure effective energization of said relay and so that the current flow during the aforesaid abnormal conditioning of said circuit will cause functional actuation of the controlling means of said repeating mechanism; a receiving circuit including a current source, receiving devices unresponsive to current flow of less than a certain predetermined intensity and arranged for functional actuation in response to current flow in said receiving circuit of greater intensity, a relay arranged for effective energization in response to current flow in said receiving circuit of less intensity than that required for the functional actuation of said receiving devices, said receiving circuit so connected to the circuit controlling means of said repeating mechanism and of such resistance and so arranged that, when said circuit controlling means is in functionally actuated condition, said second named relay will not be effectively energized and the intensity of the current flow through said receiving devices will be sufficient to cause response thereof, and, when said circuit controlling means is not in functionally actuated condition, the current flow induced by said second named current source will be only sufficient to assure effective energization of said second named relay; interconnections between the respective current sources and relays of said circuits whereby deenergization of said relays will effect parallel connection of said sources for the supply of said circuits; and a warning device so associated with said interconnections that the energy of one of said sources will be applied to said device whenever the relay associated with the other of said sources becomes deenergized.

1,557,405. SIGNALING SYSTEM. CLARENCE E. BEACH, Binghamton, N. Y., assignor to The Gamewell Company, Newton, Mass., a Corporation of Massachusetts. Filed Dec. 7, 1920. Serial No. 428,969. 77 Claims. (Cl. 177—369.)



17. In a signaling system: a primary responsive device; a current source; a secondary responsive device; signaling stations; and a signal circuit comprising two parallel loops, said primary responsive device connected between one end of one of said loops and the opposite end of the other of said loops, said current source and said secondary responsive device connected between the remaining ends of said loops, and said signaling stations serially connected in both of said loops.

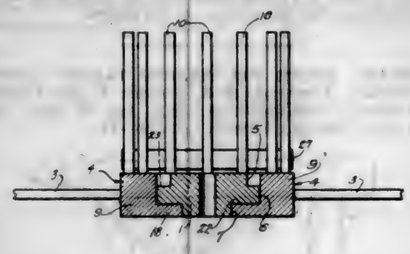
1,557,406. CORN-HARVESTING MACHINE. FRED W. BENNEFELD, Girard, Kans. Filed May 14, 1923. Serial No. 638,900. 2 Claims. (Cl. 56—66.)



1. In a machine of the character described, the combination with a wheeled supporting frame, of an inclined elevator, the lower end of which terminates at the forward end of the machine, gathering mechanism disposed at the opposite sides of the elevator and at the front end thereof, and comprising two groups of chains, one upon each side of said elevator, each group comprising three chains, two of the chains of a group being substantially horizontal and one being located materially above the other, the latter chain being stepped rearwardly with respect to the former and said horizontal chains at the opposite sides of the elevator being forwardly divergent to present a flaring mouth, the third chains of the groups extending and travelling substantially at right angles to the elevator, whereby the horizontal chains gather the stalks and deliver them to the elevator and the third chains carry the heads of the stalks downwardly upon the elevator to insure that the stalks will travel head first up the elevator.

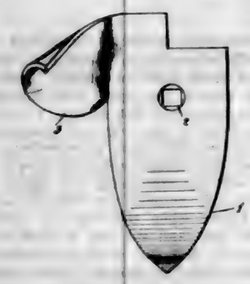
1,557,407. DEVICE FOR WINDING RADIOCOILS. FRANKLIN BITTNER, New York, N. Y. Filed Jan. 19, 1925. Serial No. 3,419. 13 Claims. (Cl. 242—1.)

1. A device of the character described having a plurality of pins, a centerpiece provided with a plurality of orifices for removably receiving said pins and to form a forming core for a coil having an inner periphery corresponding to the outer periphery of the centerpiece, and a plurality of anchoring members removably secured in position on said centerpiece by said pins to form



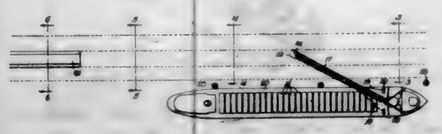
a forming core for a coil having an inner periphery corresponding to the outer periphery formed by said anchoring members.

1,557,408. PLOWPOINT. JEHU W. BLANKENSHIP, Lynchburg, Va. Filed Jan. 10, 1923. Serial No. 685,486. 1 Claim. (Cl. 97—204.)



A plow point having a blade provided with a wing integral therewith and extending from an edge thereof, said wing being bent sharply rearwardly on a line forming a continuance of the line defining the corresponding edge of the blade and inclined laterally the upper edge of said wing having its outer portion curved forwardly, said wing forming a mold board that is adapted to direct the earth laterally of the furrow formed by the blade.

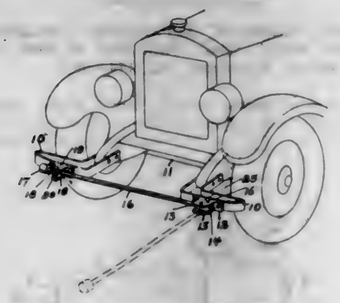
1,557,409. METHOD OF BUILDING BREAKWATERS. CARL D. BRADLEY, Rogers City, Mich. Filed Dec. 29, 1924. Serial No. 758,624. 6 Claims. (Cl. 61—4.)



1. The method of constructing breakwaters or the like which comprises continuously depositing the breakwater forming material progressively along the longitudinal line of the breakwater, the point of deposit moving forward as the deposit reaches the desired height.

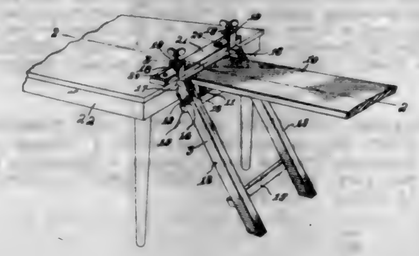


1,557,410. BUMPER. JACK BRESLAV, New Haven, Conn. Filed May 28, 1925. Serial No. 33,557. 6 Claims. (Cl. 293—55.)



1. In a bumper; companion base plates; and a rod movably connected with one of the plates, said rod functioning as a bumper in both its open and closed positions.

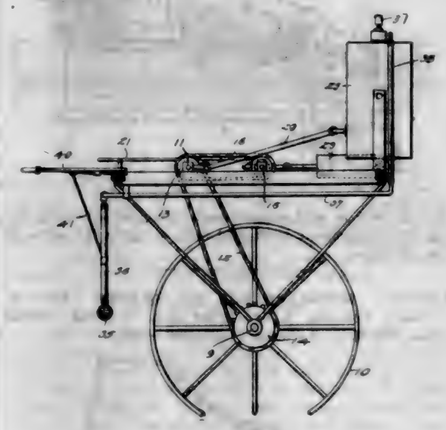
1,557,411. IRONING BOARD. JOSEPH W. BRINSON, Pocatello, Idaho. Filed Feb. 12, 1923. Serial No. 618,564. 1 Claim. (Cl. 68—10.)



In combination, an ironing board, a transverse strip secured to the underside of the board adjacent one end thereof, supporting legs pivoted on the opposite ends of said strip, the underside of each leg being bevelled at one end, inverted L-shaped brackets secured to said legs, the body portion of each bracket being secured to the bevelled portion of the adjacent leg, and having an offset extremity adapted to be secured to the straight portion of said leg, said brackets having their corresponding short branches adapted to be arranged horizontally, adjusting screws passed through said short branches, a transverse bar arranged beneath said branches and supported by said screws, and adapted to be moved toward and away from said branches by said screw, and a swivelled connection between each screw and said bar as described.

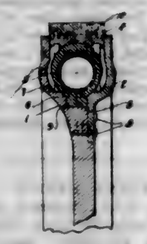
1,557,412. SPRAYING MACHINE. BENNIE B. BROADWAY, Summerton, S. C. Filed Mar. 13, 1924. Serial No. 699,025. 1 Claim. (Cl. 299—40.)

A spraying machine of the ground wheel type, comprising a wheel supported frame, a tank mounted thereon for swinging movement on a horisontal axis, a rotatable element geared to the wheels of said frame, a pitman connection between said element and said tank whereby the latter will be oscillated as the machine travels, an



air pump in communication with the tank, and a driving connection under clutch control between said element and said air pump.

1,557,413. YIELDABLE-TREAD WHEEL. DEWEY S. BRONSON, Sanford, Fla. Filed June 30, 1923. Serial No. 648,716. 2 Claims. (Cl. 152—34.)

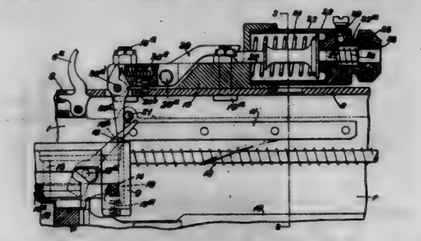


1. In a yieldable tread wheel, the rim of the wheel provided with an offset portion forming one wall of a recess, a ring removable and replaceable on said wheel and forming the other wall of the recess, said wheel being also formed with a channel interiorly of and communicating with said recess and having depressions in its bottom, an annular cushion inserted and removed laterally from said wheel when the ring aforesaid is removed and engaging said recess when in position, and a rib, and integral projections on said cushion to engage said channel and depressions respectively.

1,557,414. FIRING MECHANISM FOR GUNS. JOHN M. BROWNING, Ogden, Utah. Filed Mar. 3, 1924. Serial No. 696,528. 9 Claims. (Cl. 89—27.)

1. In an automatic machine gun, the combination of a breech casing, a barrel, a breech block mounted for longitudinal reciprocating movement in said casing to

open and close the breech of the barrel, a transversely movable sear carried by said breech block, a support mounted on the outside of said casing, and a sear actu-



ator pivoted in said support and extending into said casing for engagement with said sear to move the same in one direction.

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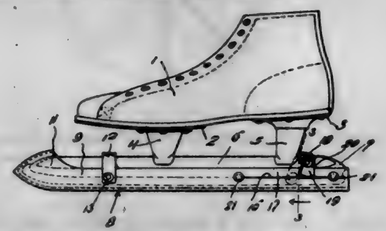
1,557,415. SCABBARD FOR ICE SKATES. JOHN B. CAREY, Concord, N. H. Filed Oct. 10, 1924. Serial No. 742,850. 3 Claims. (Cl. 208—183.)



1. A scabbard for ice skates including a pair of side members secured to a central wear resisting strip and formed with a pocket at the forward end for receiving the forward end of a skate blade, the rear end portion of one side member being slotted longitudinally to provide a strip portion along the upper edge of the member, and a securing means adjustably embracing the strip portion of the side member and adapted for removable fixed connection with the opposite side member at any one of a number of predetermined points, said securing means, being adapted for cooperation with one of the skate uprights, for preventing relative movement of the scabbard to the blade.

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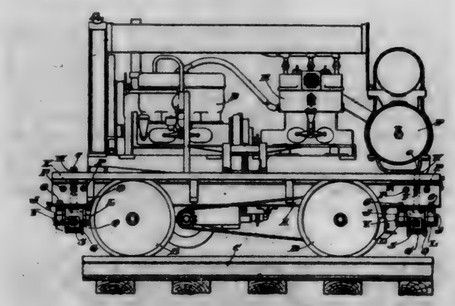
1,557,416. CAR-LIFTING DEVICE. ALLAN O. CARPENTER, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New York. Filed Apr. 23, 1925. Serial No. 25,201. 4 Claims. (Cl. 105—177.)



1. In a railway car, the combination with the car frame and track wheels, of transverse yoke brackets attached to the car frame, transverse wheel yokes pivoted to said yoke brackets, lifting wheels carried by said wheel yokes, means for rocking said transverse wheel yokes, and means for locking said wheel yokes either in raised or lowered position of the wheels.

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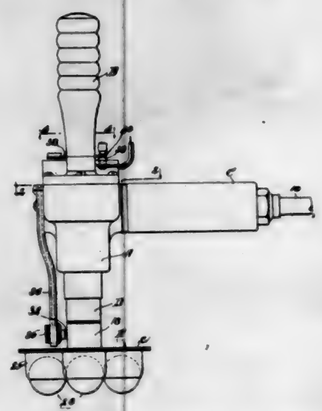
1,557,417. MASSAGE APPARATUS. CHARLES W. CHENEY, Boston, Mass. Filed June 15, 1923. Serial No. 645,564. 6 Claims. (Cl. 174—89.)



3. A massage appliance comprising a frame, a rotor in the frame, means for actuating the rotor, an insulated massage head carried by the rotor, said head having massaging members of electrically conductive material, and a brush arm carried by the frame having a brush in operative relation to the head for supplying an electric current to the conductive massage members.

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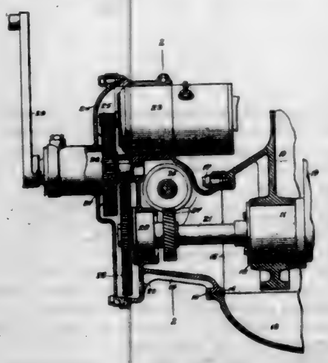
1,557,418. COMBINED MAGNETO AND STARTER UNIT. ROLAND CHILTON, Keyport, N. J., assignor to Aeromarine Plane & Motor Company, a Corporation of New York. Filed Sept. 15, 1921. Serial No. 500,807. 15 Claims. (Cl. 290—1.)



1. In a device of the class described, the combination with an internal combustion engine including a casing having an opening in one side thereof and a main drive shaft accessible from the outside of the casing through said opening, of a combined magneto and starter unit provided with means for mounting the same on the engine casing adjacent the accessible part of the main shaft and constituting a closure for said opening, said unit including a power transmitting shaft constituting an axial extension of the main drive shaft and provided with means at one end for coupling the same with said main drive shaft, a magneto operatively connected to the power transmitting shaft intermediate its ends to be driven thereby, a starter mechanism adapted to be operatively connected to the power transmitting shaft to start the main drive shaft adjacent its outer end.



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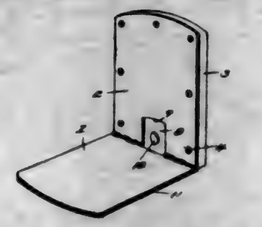
1,557,419. BOOK END. CHARLES F. CLARKE, Madison, Wis. Filed Aug. 1, 1924. Serial No. 729,570. 2 Claims. (Cl. 45—57.)



1. A book end comprising a base portion, an upstanding wall at one end thereof, a frame secured to the outer face of the wall, the bottom of said frame having a slot to permit the insertion of a sheet of material between the outer face of the wall and the rear face of the frame, and means for removably supporting the sheet of material in position in the frame.

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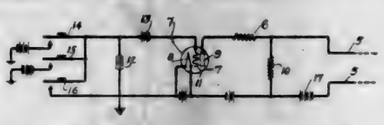
1,557,420. SIGNALING SYSTEM. ALLISON A. CLOKEY, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 18, 1920. Serial No. 389,842. 14 Claims. (Cl. 178—16.)



1. A holding relay comprising a space discharge device having a cathode, an anode, impedance control means, and an output circuit, a source of space current in said output circuit, circuit making and breaking means for intermittently impressing potential impulses on said cathode and impedance control means, and means including a condenser, associated with said cathode and impedance control means for prolonging in said output circuit the effect of each of said impressed potential impulses.

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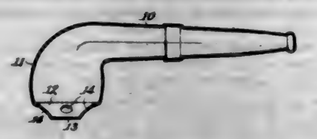
1,557,421. BUBBLE PIPE. IRWIN E. COHN, New York, N. Y., assignor to Tawka Toy Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 23, 1925. Serial No. 25,331. 2 Claims. (Cl. 46—31.)



1. A bubble pipe, which comprises a bowl portion having a cover plate with curved walls having a plurality of apertures therein, said curved plate having a reservoir therein between the bottom of the plate and said apertures, said reservoir adapted to hold a supply of soapy liquid.

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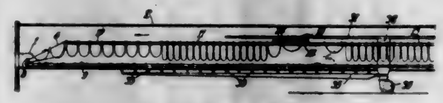
1,557,422. DRYING APPARATUS. CHARLES C. COLBERT and GEORGE E. PRESTON, Elkhart, Ind., assignors to American Coating Mills, Elkhart, Ind., a Corporation of Indiana. Filed Oct. 3, 1923. Serial No. 666,268. 8 Claims. (Cl. 34—20.)



1. A web drying apparatus comprising, in combination, a drying enclosure; successively arranged means including alternating means running at alternating speeds for continuously moving the web undergoing treatment through the drying enclosure while maintaining the web in undulating formation and providing alternating distended and contracted accumulations thereof.

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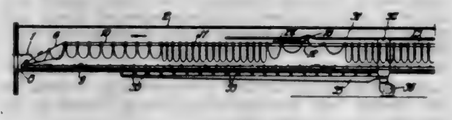
1,557,423. DRYING METHOD. CHARLES C. COLBERT and GEORGE E. PRESTON, Elkhart, Ind., assignors to American Coating Mills, Elkhart, Ind., a Corporation of Indiana. Original application filed Oct. 3, 1923, Serial No. 666,268. Divided and this application filed Dec. 1, 1924. Serial No. 753,163. 15 Claims. (Cl. 34—24.)



1. A drying method characterized by projecting currents of drying medium transversely of a drying enclosure; passing the web undergoing treatment through said currents; subjecting the web to a preliminary drying and seasoning action by said medium in a relatively quiescent state; and subsequently subjecting the web to the moving currents of drying medium under varying conditions providing drying treatments of different effects including recurrent treatments upon differently presented portions of the web.

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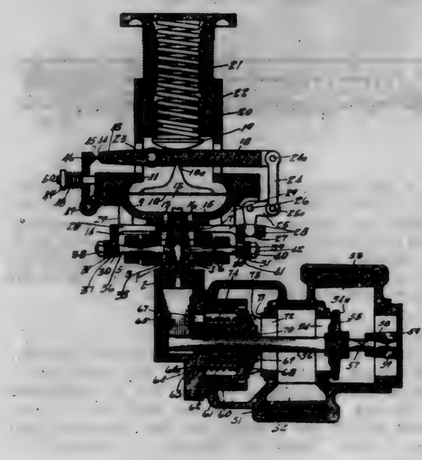
1,557,424. SPOOL. WILLIAM H. CONANT, New York, N. Y., assignor to Charles U. Bay, New York, N. Y. Filed May 9, 1924. Serial No. 711,946. 1 Claim. (Cl. 242—70.)

A spool of the character described comprising a stem having a head at each end, and a partition member mounted upon and freely slidable lengthwise of the stem but with sufficient frictional engagement to hold the partition member in adjusted position against casual movement.

**1,557,425. PRESSURE-CONTROLLED VALVE MECHANISM.** RUDOLPH CONRADER, Erie, Pa. Filed Dec. 1, 1921. Serial No. 519,163. 24 Claims. (Cl. 137—153.)



22. In a pressure controlled valve mechanism, the combination of a motor having its movable element subjected to fluid pressure; a counter-pressure device acting on said element counter to the fluid pressure, said element being actuated by a variation of said fluid pressure; a valve mechanism controlled by and moving with said element; and means for retarding a reversal of said element and assisting its movement beyond an intermediate point in its travel.

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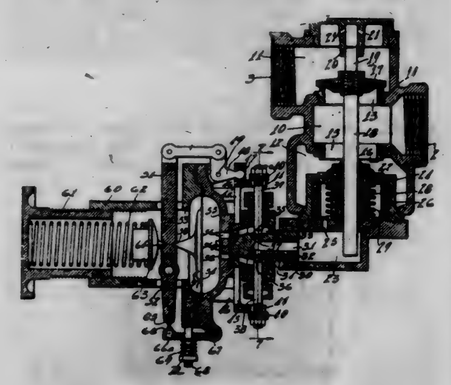
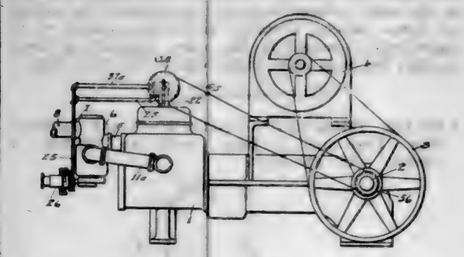
**1,557,426. UNLOADER MECHANISM.** RUDOLPH CONRADER, Erie, Pa. Filed Dec. 1, 1921. Serial No. 519,164. 10 Claims. (Cl. 230—24.)



1. In an unloader mechanism, the combination of a pump discharge passage; an unloader responsive to pump pressures acting on said passage; a valve preventing a return flow through said discharge passage when the unloader is in unloading position, said valve having a tendency to close; and means subjected to balancing fluid pressure neutralizing said tendency of the valve when the unloader is not unloading.

**1,557,427. MOTOR-LOAD-CONTROLLING DEVICE.** RUDOLPH CONRADER, Erie, Pa. Filed Dec. 1, 1921. Serial No. 519,165. 4 Claims. (Cl. 230—24.)



1. In a motor load controlling device, the combination of a motor-driven mechanism; an unloader for the mechanism; a speed sensitive controlling device controlling the unloader comprising a centrifugal element, a lever on which the centrifugal element acts a centripetal element acting on the lever; a V-shaped cam on the lever; a co-operating V-shaped cam opposing the V-shaped cam on the lever; and an adjustable spring actuating the co-operating V-shaped cam.

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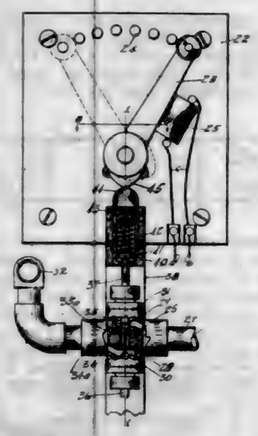
**1,557,428. ELECTRIC-MOTOR-LOAD-CONTROLLING DEVICE.** RUDOLPH CONRADER, Erie, Pa. Filed Dec. 1, 1921, Serial No. 519,166. Renewed May 6, 1925. 17 Claims. (Cl. 230—24.)



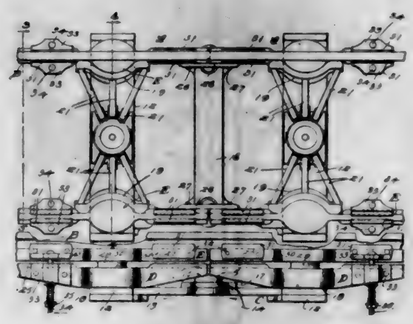
2. In an electric motor load controlling device, the combination of an electric motor; manually actuated variable resistance controlling switch; a pressure-actuated unloader; a valve controlling the unloader; and means actuated as the switch is actuated for controlling the valve.

7. In an electric motor load controlling device, the combination of an electric motor controlling rheostat comprising a series of contacts and an arm operating over the same; a pressure-actuated unloader; a valve controlling the unloader; and means comprising a cam carried by the arm for actuating the valve.

10. In an electric motor load controlling device, the combination of an electric motor controlling switch; an unloader; means actuated as the switch is actuated controlling the unloader; and a pressure actuated device controlling the unloader, said pressure actuated device operating independently of an action of the switch.



**1,557,429. RAILWAY-TRACK CONSTRUCTION.** GEORGE E. COPELAND, Springfield, Ohio. Filed Aug. 11, 1923. Serial No. 656,779. 4 Claims. (Cl. 238—48.)



1. A track construction consisting of a base, positioning members on said base, means to mount rails engageable with said positioning members, an anchor plate on said base, anchoring means for the base extending from said anchor plate, and bracing means connecting said supporting members and anchor plate.

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**1,557,430. ELECTRICAL DISPLAY APPLIANCE.** LEONARD R. CROW, Vincennes, Ind. Filed Mar. 9, 1922. Serial No. 542,437. Renewed Apr. 9, 1925. 3 Claims. (Cl. 46—49.)

1. A tubular display apparatus which comprises a non-magnetic support, a magnetic movable element embracing the tubular support, magnetic means disposed within the support to repel the element, and means for making and breaking a circuit to said magnetic means.

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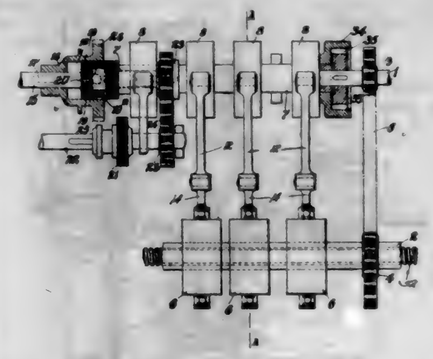
**1,557,431. GOLD ALLOY AND METHOD OF MAKING THE SAME.** VICTOR D. DAVIGNON, Attleboro, Mass. Filed Sept. 4, 1925. Serial No. 54,490. 16 Claims. (Cl. 75—1.)

1. A substantially homogeneous malleable and ductile gold-copper alloy having not less than about 25% by weight of gold and a material proportion of copper and containing at least 1% by weight of aluminum.



**1,557,432. VARIABLE-SPEED-TRANSMISSION MECHANISM.** JULES FREDERIC DEBONDT, Brussels, Belgium. Filed Mar. 21, 1921, Serial No. 454,189. Renewed July 13, 1925. 4 Claims. (Cl. 74—53.)



1. A variable speed gear comprising a shaft to be driven at constant speed, a secondary shaft, means constituting a direct driving connection between said constant speed shaft and said secondary shaft, variable stroke eccentrics mounted upon and driven by said secondary shaft, means for varying the eccentricity of said eccentrics from zero to a maximum, a hollow shaft mounted concentrically upon said constant speed shaft and revoluble independently thereof, free wheel clutches mounted upon and driving said hollow shaft, means constituting a driving connection between said variable stroke eccentrics and said free wheel clutches and adapted to increase the throw of said eccentrics, a driven shaft, means for connecting said driven shaft alternatively with said constant speed shaft and said hollow shaft, and means for reversing the direction of rotation of said driven shaft.

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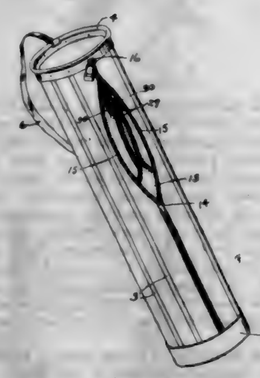
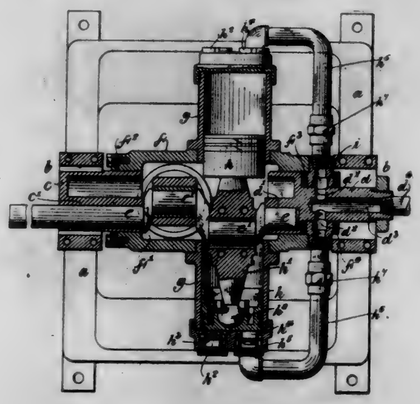
**1,557,433. GOLF BAG.** VICTOR M. DELAMATER, Bronxville, N. Y., and LEWIS WALKER, Jr., Meadville, Pa., assignors to Hookless Fastener Company, a Corporation of Pennsylvania. Filed Dec. 5, 1921. Serial No. 519,891. 14 Claims. (Cl. 150—1.5.)



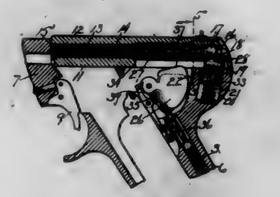
1. In a golf club receptacle fastener, a slit closure connected at each end, cooperating fastening members on the edges thereof, a slider and stringers, a lock, and means preventing manipulation of the stringers and slider when the lock is closed to open the slit.

1,557,434. COMPRESSOR. DANIEL DOUGLAS DEMAREST, Montclair, N. J. Filed Dec. 23, 1922. Serial No. 608,625. 6 Claims. (Cl. 230—31.)



1. In mechanism of the character described, the combination of a rotatable cylinder carrier, a cylinder carried thereby, a rotatable crank shaft eccentrically disposed with respect to the cylinder carrier, a piston, a piston rod engaging the crank of the crank shaft, and means to guide the piston rod, all being constructed and arranged to permit reciprocation of the piston and rotation of the cylinder carrier.

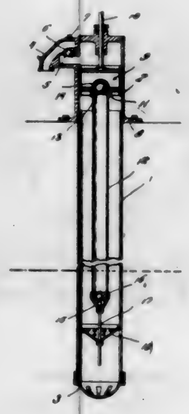
1,557,435. FIREARM. LUCIUS N. DIEHM, West Hartford, Conn. Filed Feb. 24, 1925. Serial No. 11,375. 6 Claims. (Cl. 42—3.)



1. A firearm including a frame, a breech-bolt slidably attached to the frame, a hammer pivotally mounted on the frame for engagement by the breech-bolt, a spring having a pivotal point of connection with said hammer for actuation thereof, said pivotal point being positioned to force the hammer backwardly when said hammer is in its rearmost position, means for positioning the hammer in such a sensitive but inoperative retracted position as to effect movement from such position by the jar incident to the manual closing of the breech-bolt to an operative firing position, means for holding the hammer in such firing position against the force of said spring, and means for releasing said holding means.

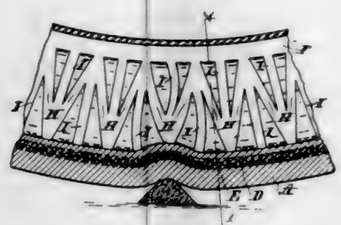
4. A firearm including a frame with a recess therein, a breech-bolt slidably attached to the frame overlying said recess and having a spring recess with a slot thereinto, a breech-bolt stop located in the first mentioned recess to limit backward movement of the breech-bolt, a breech-bolt retracting spring located in said spring recess, and means on said stop projecting through said slot to act as a seat for said spring.

1,557,436. PUMP. CECIL DIX, Cohasset, Calif. Filed Nov. 8, 1924. Serial No. 748,661. 3 Claims. (Cl. 103—178.)



1. A pump of the class described comprising a stand including a cylinder and a valved discharge spout, a hollow plunger head mounted for reciprocation in said cylinder, an operating rod passing through said stand and connected with said plunger head, a well casing attached to said stand, a fluid conducting tube attached to said plunger head and depending therefrom into said casing, and a check valve at the lower end of said tube.

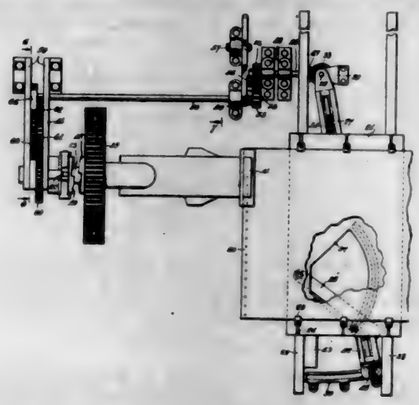
1,557,437. NONINFLATABLE TIRE. HOWARD M. DODGE, Akron, Ohio. Filed July 17, 1922. Serial No. 575,575. 2 Claims. (Cl. 152—1.)



2. In a non-inflatable tire, an annular, hollow, resilient body split centrally and longitudinally on its rim side, and having thickened edges, opposed transverse radial ribs extending into the opening in said body, and oppositely inclined transverse webs alternating with said radial ribs, and extending inwardly into said opening from the vertcal sides of said body, said ribs extending in opposite directions from the points of intersection of adjoining webs.

1,557,438. SPACING TABLE FOR METAL-SHEET-PUNCHING MACHINES. JOHN A. DOWD and JOHN A. DOWD, Jr., Fall River, Mass. Filed May 29, 1924. Serial No. 716,737. 10 Claims. (Cl. 164—116.)

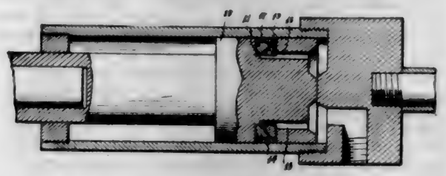
1. In a sheet punching machine, the combination with a punching mechanism; of a sheet carrying table movable to feed a sheet to said punching mechanism, and mechanism for effecting the movement of said table and for



varying the distance of travel thereof, including swingingly mounted means, a traveler operated by said means, and an arm connected between the table and the traveler.



1,557,439. PACKING RING. THEODORE C. DU-SO, Tulsa, Okla. Original application filed Nov. 6, 1923, Serial No. 673,117. Divided and this application filed Feb. 5, 1925. Serial No. 7,140. 3 Claims. (Cl. 74—109.)

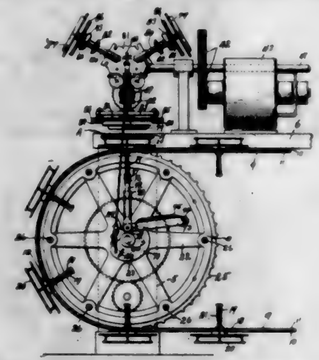


1. A piston having a packing groove and a composite packing in the groove comprising two rings, placed one against the other with their opposing faces inclined, and a third ring encircling the two rings and corresponding in width to the collective width of said two rings, the three rings fitting snugly between the walls of the groove.

1,557,440. COMB. JHUS RUSSELL EARP, Chattanooga, Tenn., assignor of one-half to Benjamin Silverman, Chattanooga, Tenn. Filed Nov. 7, 1923. Serial No. 673,254. 2 Claims. (Cl. 132—16.)

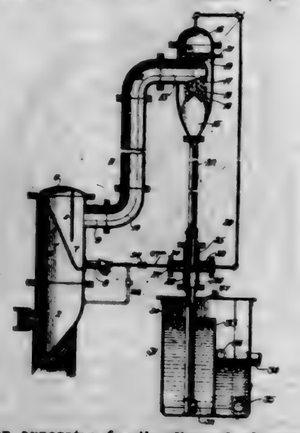
1. In a comb of the class described, a back member of substantially oval cross section said back member having an opening adjacent one edge portion and extending longitudinally therethrough, said back member being further provided with a similar opening adjacent its other edge portion and having slots in the last mentioned edge portion cutting through the last mentioned opening and into the first opening, teeth having back portions provided with openings adapted to register with the opening near the second edge portion and to be positioned in said slots, a pin passing through the last mentioned openings and having a head on one end bearing against the end of the back, a shank passing through the first mentioned opening in the back and having a head overlapping the head on the pin, said shank being flattened on one side to permit the base ends of said teeth to rest thereon, and a handle mounted on said shank.

1,557,441. PIE RIMMING AND PINCHING MACHINE. WILLIAM EHRLICH, Chicago, Ill., assignor to Case & Martin Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 3, 1922. Serial No. 526,621. 7 Claims. (Cl. 107—1.)



4. A pie crimping machine comprising a frame; a shaft journaled in said frame; a sprocket journaled on the frame around said shaft; an endless conveyer on said sprocket; a plurality of pie holders on said conveyer and adapted to be brought to a predetermined position adjacent said sprocket; a cam on said shaft; an arm fixed on the frame; a head slidably mounted in the frame; two links having their adjacent ends pivoted together and their remote ends pivoted to said head and arm; and a roller journaled at the pivotal points of said links and engaging said cam, the cam being formed so as to press said head against the pie holder to raise the latter for a predetermined time.

1,557,442. VAPOR-DISPOSAL APPARATUS. WILLIAM H. EICHELMAN, Downers Grove, Ill. Filed May 31, 1921. Serial No. 474,008. 7 Claims. (Cl. 183—28.)



1. In an apparatus for the disposal of vapors or the like, in combination with a source of vapor, a separator at the discharge end of said source provided with

a baffle plate for the throwing down of solids carried out therefrom, a condenser located at a level above the separator, a conduit from the separator to the condenser, means within the condenser for providing a sheet of falling water therethrough, a water leg leading from the lower end of the condenser, a coupling at the lower end of the water leg, and adapted in conjunction therewith to maintain a vacuum, said coupling being provided with a discharge nozzle connected with the water leg, a water discharge pipe leading from the coupling, a well within which the water discharge pipe is sealed, means for educting water from the well, and a drain pipe connecting the separator with the coupling, substantially as described.

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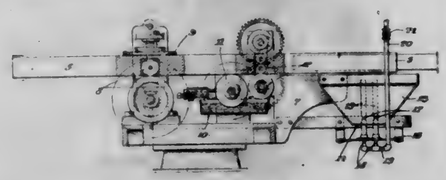
1,557,443. SANDING MECHANISM FOR MATCH BOXES. WILLIAM J. ELDER and CHARLES N. MORSHOUSE, Oswego, N. Y., assignors to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 16, 1923. Serial No. 662,916. 2 Claims. (Cl. 91—45.)



1. In a box-shuck sanding mechanism having a mandrel for box shucks, means for feeding shucks along the mandrel, and means for applying glue to the shucks, a receptacle for abrading material, and an air-blast device for forcibly driving the contents of the receptacle against the glue-coated surfaces of the shucks.

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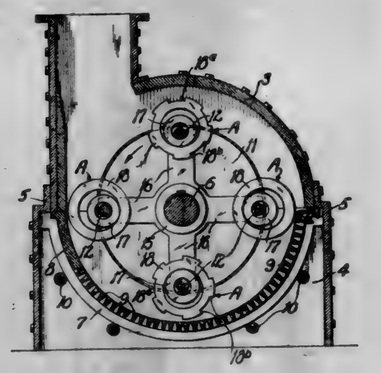
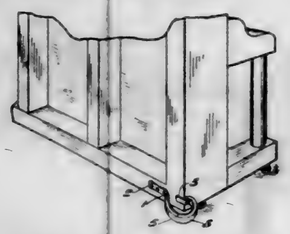
1,557,444. PULVERIZING MACHINE. ERNST H. ELZEMEYER, St. Louis, Mo., assignor to American Pulverizer Company, St. Louis, Mo., a Corporation of Missouri. Filed July 6, 1925. Serial No. 41,663. 2 Claims. (Cl. 83—11.)



1. A pulverizing machine comprising a casing having grinding surfaces, a carrier rotatably mounted therein, and sets of rings supported on said carrier to revolve therewith, each set of rings comprising an inner ring loosely mounted on said carrier and an outer ring loosely surrounding said inner ring and adapted to cooperate with said grinding surfaces.

1,557,445. PIANO ATTACHMENT. MONTFORD R. EULER, Lima, Ohio. Filed Dec. 13, 1924. Serial No. 755,743. 5 Claims. (Cl. 45—137.)



1. An attachment for pianos comprising end lugs adapted to be secured to a side of the piano, and a resilient intermediate portion spaced from said piano and surrounding a corner thereof.

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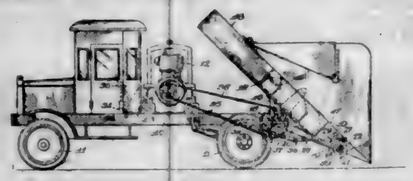
1,557,446. SNOWPLOW. EMERY H. FAHRNEY, Chicago, Ill. Filed Dec. 6, 1924. Serial No. 754,339. 9 Claims. (Cl. 37—43.)



1. In combination a supporting vehicle, a work handling structure carried by the vehicle for pivotal movement with respect thereto, and mechanism embodying interengaging elements for moving the work handling structure with respect to the said vehicle, the said elements being adapted to be automatically rendered inactive with respect to each other adapting the work handling structure to be freely moved independently of the said moving mechanism.

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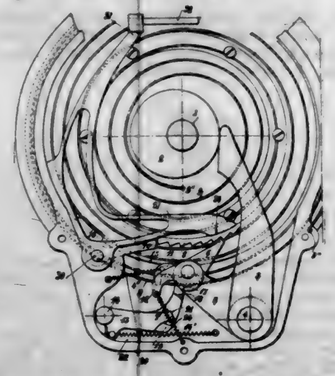
1,557,447. DEVICE FOR THE AUTOMATIC STOPPAGE OF SPIRAL SPRINGS. ERNEST FARAGGI, Paris, France. Filed Dec. 22, 1921. Serial No. 524,279. 5 Claims. (Cl. 185—41.)



1. In a device for the automatic stoppage of the winding of a spring, the combination of a notched disc, a pawl releasing lever having a series of separate cam faces, one of which cams normally bears upon the outer



turn of the spring and the other being adapted to engage said notched disc, the arrangement of the cams being such that when the spring has been wound, the first cam permits the outer cam to engage the notched disc.

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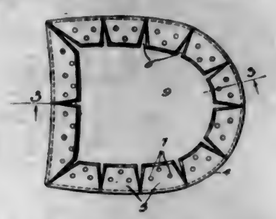
1,557,448. HEEL FOR BOOTS AND SHOES. WILLIAM FELSTEAD, Victoria, British Columbia, Canada. Filed Apr. 25, 1923. Serial No. 634,541. 2 Claims. (Cl. 36—59.)



1. A heel for boots and shoes, comprising a casing having its upper end extending inwardly at right-angles and forming means by which the casing can be secured to a boot or shoe, a lift in the casing, the top portion of the lift being of the same dimension as the interior of the casing and engaging the wall and the inwardly extending portion thereof and the remainder of the lift being smaller than the top portion and spaced from the wall of the casing and forming therewith a recess extending entirely around the said casing, a cushion fitting in the recess and extending below the lift and the lower end of the casing and entirely around the heel, and means for securing the cushion in said recess whereby an air space will be formed at the lower part of the heel.

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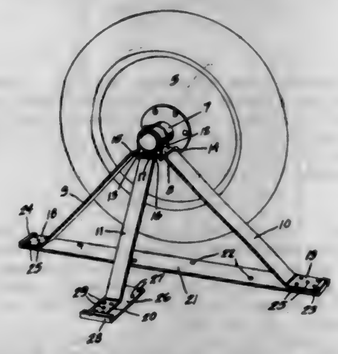
1,557,449. SHIPPING DEVICE. CHARLES H. FENNELL, Detroit, Mich. Filed Apr. 2, 1925. Serial No. 20,271. 2 Claims. (Cl. 188—32.)



1. A device of the class described comprising a pair of supporting legs, horizontally bent portions on the bottoms of said legs forming feet, a strip extending between said legs and under said feet, the ends of the strip being bent over the ends of the feet, and means for securing said feet and strip to a floor.

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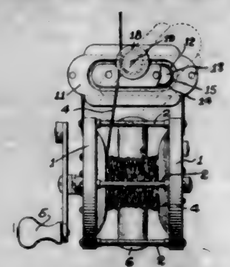
1,557,450. REWINDING DEVICE. EDWARD FULDA, New York, N. Y. Filed Sept. 13, 1924. Serial No. 737,519. 6 Claims. (Cl. 242—84.4.)

1. In combination with a reel provided with a rotatable hub adapted to have a flexible member wound thereon, means for guiding said flexible member when being wound upon said reel, said means comprising a support, a pulley projecting outwardly from said support and connected thereto by means extending from one face of



said pulley only, and means operated by rotation of said pulley for moving said flexible member transversely of said reel.

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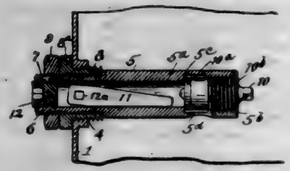
1,557,451. VALVE FOR USE WITH BARRELS. SAMUEL H. GIBSON, Cleveland, Ohio, assignor to The Fanner Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 11, 1921. Serial No. 460,263. 2 Claims. (Cl. 221—24.)



1. A barrel having an opening therein, a bushing removably mounted in said opening, said bushing being provided with internal screw threads, a hollow valve body, a valve cooperating with said hollow valve body, said valve body having a threaded end portion adapted to be screwed into the bushing, said threaded portion of the body being of a length to extend through the bushing and project beyond the end thereof when fully screwed therein and said valve body being insertible into the bushing from either end of the bushing, and a lock nut adapted to be screwed on the threaded end of the valve body which projects beyond the end of the bushing, said lock nut being engageable with the end of the bushing.

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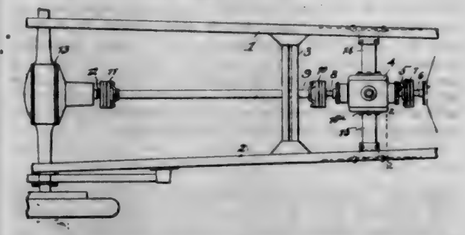
1,557,452. TRANSMISSION-HOUSING SUPPORT. GILBERT C. GOODE, Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 10, 1922. Serial No. 551,037. 4 Claims. (Cl. 180—70.)



1. In a vehicle construction, the combination with opposite side frame members of the vehicle, of a transmission housing located between the same, the transmission having front and rear shafts connected by flexible

couplings to the motor and axle propelling shafts, oppositely extending arms rigidly secured to the transmission housing intermediate the ends thereof, brackets carried by the said frame members and cooperating with the outer ends of said arms, and supporting said arms in a manner to permit release of the arms to lower the transmission housing.

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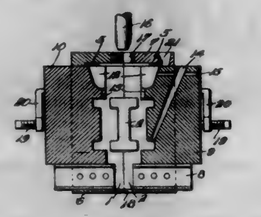
1,557,453. METHOD AND APPARATUS FOR MOLDING AND WELDING. WILHELM L. GROSS, Berlin, Germany, assignor to Hugh G. Spilsbury, Roselle Park, N. J. Filed Dec. 18, 1922. Serial No. 607,506. 18 Claims. (Cl. 22—204.)



3. The process of adding metal to a part, which consists in enclosing said part in a chamber an inner wall of which is movable and shaped to provide in conjunction with said part a mold for molten metal, preheating the part to be added to while said wall is spaced therefrom, moving said wall into engagement with said part to form therewith a mold and introducing molten metal into the mold so formed.

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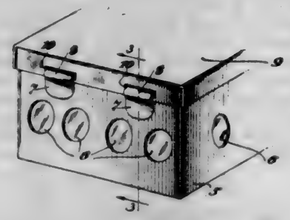
1,557,454. BOX HINGE. SAMUEL HAMMER, Brooklyn, N. Y., assignor to United Metal Box Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed Feb. 27, 1924. Serial No. 695,455. 3 Claims. (Cl. 220—31.)



1. A box having a tongue integral at one of its ends with a body wall of the box and provided at said end with a bend therein forming a hinge sleeve or knuckle, the cover of said box having a flange provided with an opening therein through which said tongue is engaged and the other free end portion of said tongue extending towards the base of the box and within the plane of the box wall, said cover flange having a part at the outer side of said opening engaged in said hinge knuckle and said cover flange exerting an inward pressure against said tongue when the cover is in open position.

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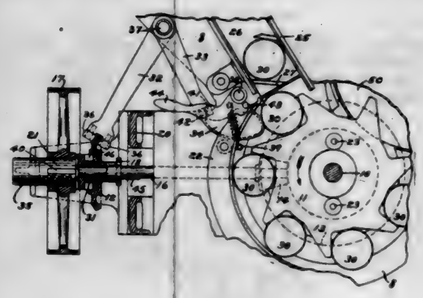
1,557,455. AUTOMATIC STOP MECHANISM. OSWALD H. HANSEN, Port Washington, Wis., assignor, by direct and mesne assignments, to Hansen Canning Machinery Corporation, a Corporation of Wisconsin. Filed Jan. 8, 1921. Serial No. 435,835. 7 Claims. (Cl. 192—125.)

1. In combination, means for advancing receptacles in series about an axis, a source of power, mechanism including a clutch for connecting said source and said advancing means, a member movable toward said axis and engageable with successive advancing receptacles



of said series, and means operable by said member to disconnect said clutch when said series of receptacles is interrupted.

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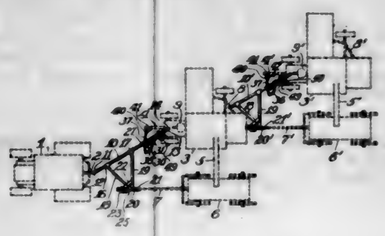
1,557,456. HITCH FOR MACHINES AND WAGONS. CLIFFORD L. HASELTINE, Carr Creek Township, Mitchell County, Kans. Filed Dec. 21, 1922. Serial No. 608,176. 11 Claims. (Cl. 280—33.44.)



1. A unitary hitch apparatus including a straight draw-bar and a lateral draft arm rigidly secured to the draw-bar, the opposite ends of the draw-bar and the end of the arm having each a draft device, the end of the arm being provided with a device to support the end independently of the draw-bar.

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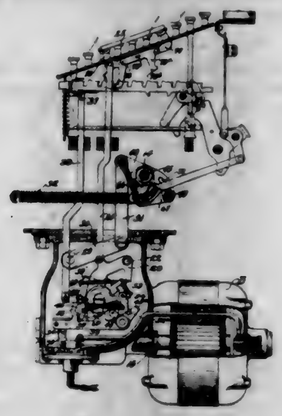
1,557,457. ACCOUNTING MACHINE AND MOTOR-DRIVE MECHANISM. AMOS H. HAWLEY, Norwood, Ohio, assignor to Remington Arms Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 11, 1917, Serial No. 190,801. Renewed Mar. 25, 1925. 46 Claims. (Cl. 235—69.)

1. In combination, an accounting machine and its main actuator, a motor, a driving connection between the motor and actuator comprising a clutch, a starting key for the motor, a motor switch adapted to be closed by said key, a lever to connect the switch and key, a clutch controller normally locked against effective operation by said lever while the switch is in an open position, a switch opener operable by the motor, and automatic means to connect the opener with the switch.

24. In combination, an accounting machine having a main actuator, a motor for driving said main actuator, a clutch connection intermediate the motor and actuator, a controller for said clutch, a switch controlling action and inaction of the motor, a starting key operable to close said switch, a lever operable by said key and normally holding the switch in open or motor inaction position, and operable to permit closing of the switch, an automatic device for opening the switch after a lapse of a predetermined period of operation of the motor,





a detent member for maintaining the switch in an open position when it has been opened by said automatic device, and means for actuating the said detent to restore the cooperation of said lever and switch.

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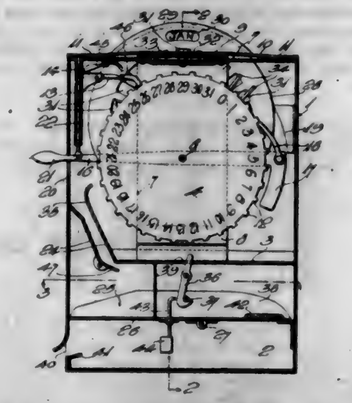
1,557,458. COIN-OPERATED CALENDAR AND SAVINGS BANK. FRANK FRED KOLARIK, New York, N. Y., and JULIEN MARTIN, Guayaquil, Ecuador. Filed Sept. 27, 1923. Serial No. 665,165. 4 Claims. (Cl. 194—1.)



2. A coin-operated device comprising a casing containing coin-controlled mechanism, a coin receptacle in said casing for collectively holding the coins inserted, a latch under the control of said coin-controlled mechanism for normally holding said receptacle in coin-retaining position, and a guard for preventing release of said latch when the casing is tilted.

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1,557,459. BRASSIÈRE. WALDEMAR KOPS, New York, N. Y., assignor to Nemo Circlet Company, Inc., a Corporation of New York. Filed Feb. 24, 1923. Serial No. 620,868. 5 Claims. (Cl. 2—42.)

1. In a brassière a body member having a front central section, side sections adjacent thereto, each side section having a strap continuation extending downwardly and forwardly, the said straps being connected at their extremities adjacent the lower edge of the brassière, and means connected to the extremities of the said straps to

depend therefrom for coacting with the front central section to exert a straight downward tension in the front central section and laterally inclined downward tensions in the side sections of the brassière.

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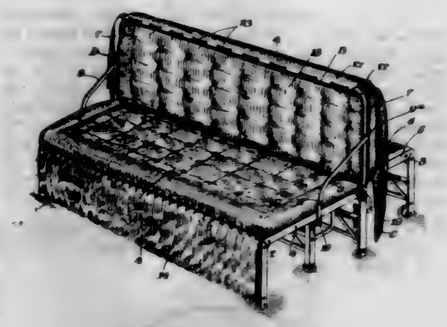
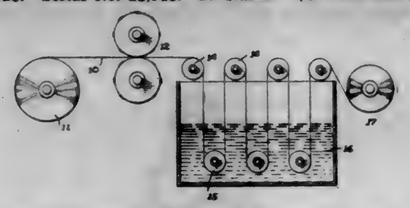
1,557,460. SLIDING COUCH. AUGUST J. KREUSKAMP, Chicago, Ill., assignor to Englander Spring Bed Company, Brooklyn, N. Y., a Corporation of New York. Filed June 28, 1922. Serial No. 571,422. 1 Claim. (Cl. 5—333.)



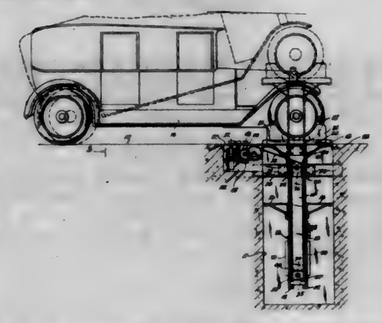
A folding book mattress consisting of two sections, comprising a normally stationary mattress section and a folding mattress section, a depending front curtain secured to the stationary mattress section, a pair of end curtains secured to the ends of the folding section, and a rear curtain secured to the book mattress adjacent to the connected edges of said mattress sections, said end curtains and said rear curtain being independently and freely movable to operative position and of sizes to serve with the said front curtain as a continuous valance when the mattress is folded, and said curtains and the top side of the book mattress when the latter is closed being constructed of decorative material, thereby to give the appearance of a mattress cover having valances thereon.

1,557,461. ART OF PRINTING SHEET MATERIAL. HENRY G. F. LAUTEN, Bay Shore, N. Y. Filed May 8, 1925. Serial No. 28,945. 10 Claims. (Cl. 101—211.)



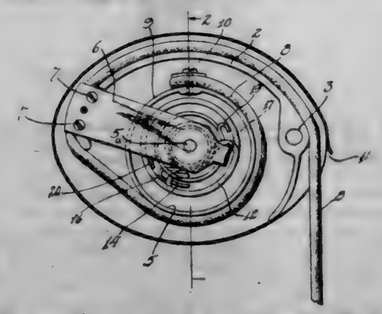
1. The improvement in the art of producing a design or pattern on sheet material, which comprises compressing parts of the material while the material is dry, and then applying color thereto whereby the compressed parts being less absorbent will have a lighter shade.

1,557,462. HOIST. ARTHUR G. LEAKE, Bridgeport, Conn. Filed Nov. 12, 1924. Serial No. 749,388. 6 Claims. (Cl. 187—9.5.)



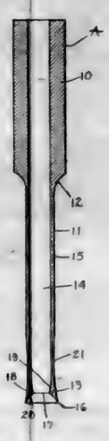
3. In an automobile service lift, upright stationary guides mounted in a pit below grade, a pair of spaced upright movable supports guided by said guides, a pair of wheel supports mounted at the upper ends of the upright supports, a cross beam connecting the upright supports adjacent their lower ends, a stationary cross beam mounted in the pit adjacent the upper end thereof, pulleys carried by said beams, a rotary drum, means for rotating the drum, and a flexible cable running over the drum and pulleys to raise and lower the upright supports.

1,557,463. SHOCK ABSORBER. NORRIS F. MCNAUGHT, Chicago, Ill. Filed Nov. 17, 1924. Serial No. 750,393. 6 Claims. (Cl. 267—10.)



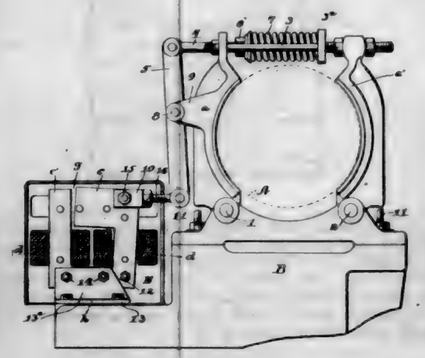
1. A shock absorber of the character described comprising a strap arranged to be fixed to the axle or the like of a motor vehicle, a rotatably mounted drum arranged for disposition upon the frame of a motor vehicle, a friction shoe adjacent to said drum, said strap being arranged to pass over said shoe, and means for gradually resisting the rotation of said drum when said strap is unwound therefrom.

1,557,464. CUTTER DRILL. WALTER K. MICK, St. Paul, Minn. Filed Mar. 20, 1924. Serial No. 700,547. 11 Claims. (Cl. 164—124.)



1. A cutter drill having a hollow stem, a cutting edge formed upon the extreme end of said stem and a constriction formed within the interior of said stem immediately above the cutting edge thereof and a curved surface formed in said stem, connecting the constriction with said cutting edge and the interior of the stem proper.

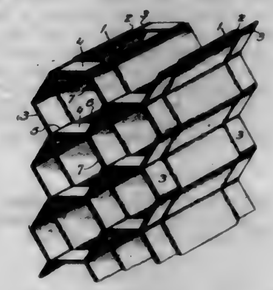
1,557,465. ELECTROMAGNETIC BRAKE. GUY K. MITCHELL, Baltimore, Md. Filed Apr. 9, 1920. Serial No. 372,481. 3 Claims. (Cl. 188—171.)



1. The combination with brake mechanism, including a spring for setting the brakes and a lever for releasing the same, of an equalising bar connected to said lever and a plurality of magnets having movable parts connected to said bar and adapted, collectively, to move the same.

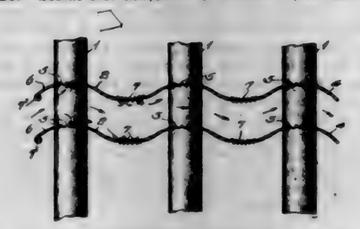


1,557,466. TUBULAR RADIATOR CORE. ARTHUR B. MODINE, Racine, Wis. Filed Jan. 2, 1920. Serial No. 348,989. 1 Claim. (Cl. 257—130.)



A radiator core comprising a plurality of tubes each comprising a pair of alternately bent sigzag plates united in parallel to form sigzag tubes each tube provided with a sigzag projecting fin extending along each side centrally of the opposed walls of said tube, said tubes spaced apart so that the opposed surfaces of adjacent tubes are inclined relatively of one another throughout their height, in combination with a plurality of independent separately formed spacers each of a width equal to the width of said fins and positioned between the fins of adjacent tubes and bearing thereagainst from the apex of a fin to its base to space said tubes apart to form a continuous air space therebetween throughout their opposed areas, said air space varying in size throughout its vertical extent.

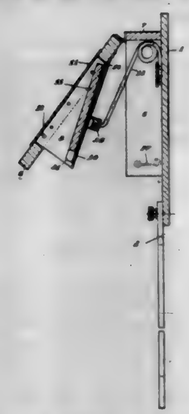
1,557,467. RADIATOR. ARTHUR B. MODINE, Racine, Wis. Original application filed May 10, 1920. Serial No. 380,215. Divided and this application filed Apr. 7, 1923. Serial No. 630,616. 8 Claims. (Cl. 257—129.)



1. A radiator comprising a plurality of tubes, and a plurality of spaced plates extending transversely thereto, said plates formed in a series of curves between the front and rear edges thereof and provided with corrugations on said curves, these corrugations extending from side to side of the plates between said tubes to cause an agitation of the air passing through the radiator.

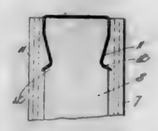
1,557,468. PHOTOGRAPHIC-PRINTING-FRAME EASEL. ALBERT MONTIGNY, Brussels, Belgium. Filed May 3, 1924. Serial No. 710,873. 4 Claims. (Cl. 88—24.)

1. In a photographic printing frame easel of the class described, a box-like base open at one side, a cover pivotally mounted on the base, means urging said cover towards its open position, a window or opening in said cover of the size of the sensitive sheet of paper, and a flat frame carried by said cover so as to project beyond the inner periphery thereof, of a plate suitably attached to the underside of said cover and adapted to press the sensitive sheet of paper against the projecting rims of said frame, means for yieldingly pressing said plate



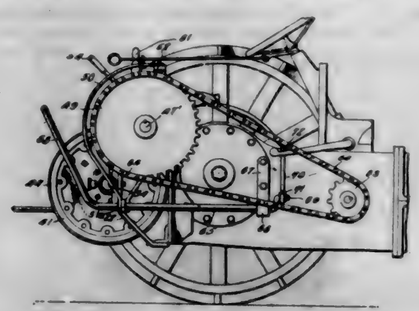
against said frame, means for locking the plate in its operative position, and means for adjusting the easel on the working table, substantially as set forth.

1,557,469. DEVICE ESPECIALLY APPLICABLE TO AGRICULTURAL MACHINERY. LEONARD MURRAY, Footscray, near Melbourne, Victoria, Australia. Filed Nov. 17, 1922. Serial No. 601,610. 8 Claims. (Cl. 198—199.)



1. An improved elevator, comprising, an apron, pockets on the apron, slats fitted in the pockets, and means for holding the slats rigidly in position in the pockets, each said means comprising depressions formed in the ends of a slat, and a flat armed spring, the arms being received in the depressions.

1,557,470. HOIST ATTACHMENT FOR TRACTORS. HARRY S. MYERS, Van, Pa. Filed Nov. 30, 1921. Serial No. 518,980. 15 Claims. (Cl. 254—166.)



1. In a tractor of the farm type having an automotive organization which includes a motor, propelling wheels, transmission gearing, also a differential gear

transmitting power from said motor to said wheels, a winding drum carried by the housing of the differential gear of said gearing, and gearing other than said transmission gearing, arranged to transmit power from the motor to said drum.

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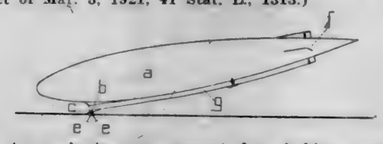
1,557,471. ANCHORING ARRANGEMENT FOR AIRSHIPS. NIKOLAUS BASENACH, Potsdam, Germany. Filed Aug. 29, 1921. Serial No. 496,699. 2 Claims. (Cl. 244—2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)




2. An anchoring arrangement for airships, comprising, in combination, a downward projecting structure at the front part of the ship, said structure being rigidly secured to said ship and of such a length that its termination forms the lowest point of the front part of the ship, a part of a universal joint rigidly connected to the lower termination of said structure, an anchoring device constructed and secured so as to form a rigid anchor at the anchoring place, and a supplementary part of the universal joint rigidly connected to said rigid anchor at the anchoring place.

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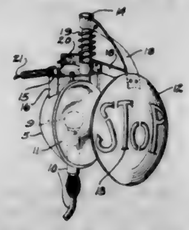
1,557,472. SIGNALING DEVICE. WILLIAM BURTENSHAW, Brooklyn, N. Y. Filed Jan. 18, 1922. Serial No. 530,091. 5 Claims. (Cl. 116—45.)



1. A signaling device comprising, a movably mounted shutter adapted to be supported in such relation to a lamp that it can be bodily moved in an edgewise direction to occupy a position across the front of the lamp or to a position in which the edge of the shutter is presented to the eye of an observer facing the front of the lamp and to one side thereof.

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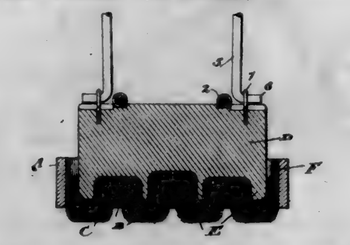
1,557,473. SURFACE WORKING OR FINISHING DEVICE. HENRY JAMES STEWART CROSS, Toronto, Ontario, Canada. Filed May 19, 1924. Serial No. 714,228. 3 Claims. (Cl. 15—209.)



1. A device of the class described comprising a ring-like member; a plurality of longitudinally disposed spaced members associated with the lower side thereof, and extending thereacross; a clamp adapted to extend into said member and provided on its underside with a plurality of spaced ribs located in alignment with the spaces separating said spaced members, thus forming grooves of ample width and depth to hold a supply of suitable flexible material said ribs adapted to exert pressure on portions of said material to force the same in the form of flexible ribs between and below the said spaced members, and means associated with said ring-like member and said clamp to maintain pressure of said clamp upon said flexible material, so that a supply thereof will be passed out of each of said grooves at each side of the said spaced members to replenish said flexible ribs.

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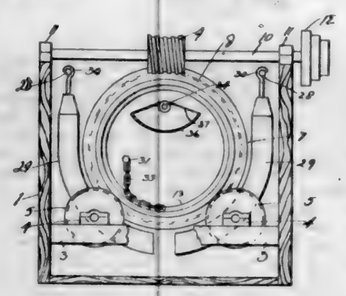
1,557,474. CONTINUOUS ROTARY ELECTROPLATING MACHINE. HARRY B. FARRAND, Philadelphia, Pa. Filed June 27, 1923. Serial No. 647,983. 3 Claims. (Cl. 204—11.)



1. In an apparatus of the character described a vat, a series of rolls mounted within said vat, a perforated barrel supported by said rolls, a rib spirally disposed within the barrel, a worm wheel mounted upon the barrel, a worm meshing with said worm wheel for revolving the latter, a hopper adapted to receive the articles to be plated, a conveyer for elevating said articles from the hopper; a shoot for conveying the articles from the conveyer to the interior of the barrel; a pocket for receiving the articles from the barrel, a conveyer for elevating the articles from said pocket; a series of anodes disposed adjacent to the barrel upon the outside thereof; a second series of anodes supported within the barrel and out of contact with the latter; and a series of flexible cathodes suspended within the barrel and arranged to lie against the interior surfaces of said barrel; for use in a plating system an internal anode consisting of an arcuate section of plating metal and suspending wires attached to said barrel.

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1,557,475. ROTARY KILN. MIKAEL VOGEL-JÖRGENSEN, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a Corporation of New Jersey. Filed Sept. 5, 1924. Serial No. 736,046. 3 Claims. (Cl. 34—6.)

3. A rotary kiln having four longitudinal partitions extended toward the axis of the kiln, secured to the wall of the kiln at their outer edges only, and flanged at their inner edges for mutual support.



1,557,476. INSTRUMENT PLECTRUM. WILLIAM F. KIMBALL and BESSIE N. KIMBALL, New Milford, Conn. Filed Mar. 29, 1923. Serial No. 628,422. 2 Claims. (Cl. 84—322.)

1. An instrument plectrum comprising a flat flexible picking blade having a picking point and sides, the lower portions of which are arcuate and diverge from the picking point, the upper portions of the sides being parallel, and the blade having a straight transverse upper edge and a holder for said blade, said holder comprising a flat portion abutting against a face of said blade and having a flange overlying the upper edge of said blade, said holder having turned-in lugs abutting against a face of said blade and a finger-engaging loop extending from the lower edge of said flat portion of the holder, the longitudinal bore of said loop being parallel with the straight transversely upper edge.

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1,557,477. EXTENSION HANDLE FOR GARDEN HOSE. PETER KLINKHAMMER, Los Angeles, Calif. Filed June 9, 1924. Serial No. 718,783. 2 Claims. (Cl. 299—112.)

1. An extension handle for hose, comprising in combination a pole, a prong secured to the end thereof having a curved hook end and a straight section in alinement with the pole, a hose nozzle having a socket head with a curved aperture therethrough adapted to have a loose fit with the curved hook and being of such size that the ends of the concave side of the aperture and the center portion of the convex side bind on the straight part of the prong.

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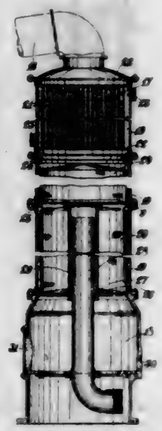
1,557,478. APPARATUS FOR TREATMENT OF HYDROCARBON-OIL VAPORS. FREDERICK LAMPLOUGH, Highfield, Feltham, England, assignor to F. Lamplough & Company, Limited, London, England, a British Company. Filed Nov. 22, 1923. Serial No. 676,269. 7 Claims. (Cl. 196—139.)

1. Apparatus for treating hydrocarbon vapors for the purpose specified, comprising in combination a cooling tower having a vapor inlet at the bottom and a vapor outlet at the top, means to direct the entering vapors laterally in a plurality of jets against an interior side wall of the tower, and means to constrain the condensate



to gravitate down the tower on the aforesaid interior wall against which the uncondensed vapor is forced to impinge.

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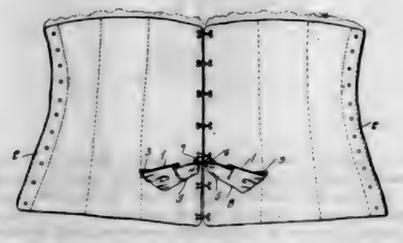
1,557,479. ABDOMINAL SUPPORTER. NORA A. MYERS, Forsyth, Mont. Filed Apr. 19, 1924. Serial No. 707,750. 2 Claims. (Cl. 2—27.)



1. A garment adapted to be secured about the body and provided upon the inner side of its front below the waistline with a pocket adapted to receive the abdomen, said pocket comprising strips which are attached along their ends and substantially horizontally to the garment and which are adapted to fold upon diagonal lines so that they may be disposed laterally and have their inner edges attached to the garment and which are provided at their loose ends with fastening means whereby to connect the strips and form the pocket.

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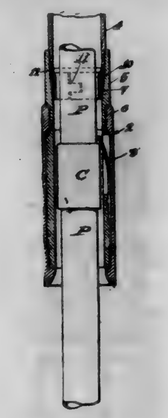
1,557,480. COUPLING AND PIPE PACKER. JOSEPH A. PLANTE, San Pedro, Calif. Filed June 15, 1923. Serial No. 645,578. 2 Claims. (Cl. 285—22.)

1. A coupling and pipe packer including a member having an interior packing seat, an expansible split ring packer mounted upon the packing seat, and spring latches

below the packing seat, the packing ring being adapted to encircle a part of a fish in a well and to expand to



allow couplings to pass and the latches serving to locate a coupling in the seat so as to form a tight joint between the coupling and the packing.

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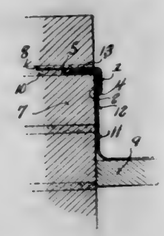
1,557,481. FLASHING. MICHAEL J. N. SCHNEIDER, Milwaukee, Wis. Filed Apr. 28, 1924. Serial No. 709,581. 2 Claims. (Cl. 108—26.)



1. A flashing comprising sheet metal members having successive folds to provide an outwardly opening groove and an inwardly opening groove and having an outer marginal flange, aligning plates adapted to fit within the inner grooves of successive members, and counter flashing having an apron portion and a marginal flange adapted to fit in the outwardly opening groove.

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1,557,482. SMOKER'S-PIPE WINDSHIELD. AKE E. SCHOXING, Woodhaven, N. Y. Filed Mar. 25, 1924. Serial No. 701,700. 1 Claim. (Cl. 131—12.)

A pipe shield comprising an arcuate member adapted to envelope a pipe bowl and including a pair of corresponding curved leaves hinged together and provided with a spring to close said leaves upon said bowl.

1,557,483. UPHOLSTERY EDGE. HARRY SISKIN, Los Angeles, Calif. Filed Jan. 15, 1924. Serial No. 686,248. 3 Claims. (Cl. 155—181.)

1. In an article of furniture, a core, a sheet of felt folded over the core, a cover having a refolded edge fitting under the felt, the cover extending from the refolded edge around the felt, a lining under the refolded edge, stitching through the felt, refolded edge and lining, and stitching connecting the opposite edge of the cover from the refolded edge to the lining.

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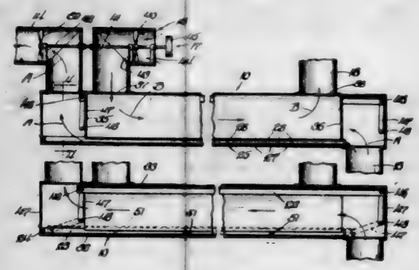
1,557,484. HEATING DEVICE. JOHN K. TOMLINSON, Chicago, Ill. Filed Apr. 9, 1923. Serial No. 630,737. 3 Claims. (Cl. 257—166.)



2. A heating device having passages for the flow in one direction of the products of combustion and passages for the flow in the opposite direction of the air to be heated, comprising a straight elongated tube, a partition member between the hot gases and the air to be heated, said partition comprising a plurality of flat vertical walls, longitudinal scraper members for scraping said walls, and means for mounting said scrapers for parallel movement comprising a pair of rock members pivotally mounted adjacent the ends of said partition respectively and pivotally connected with the respective ends of said scraper members.

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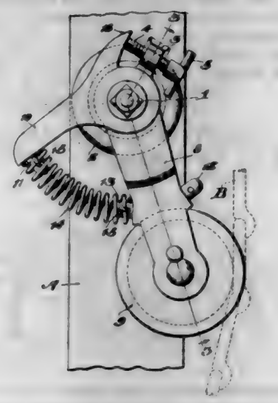
1,557,485. PROCESS OF MAKING GLASS CLOTH AND ARTICLE MANUFACTURED THEREBY. ALFRED S. TURNER, Bladen, Nebr. Filed Sept. 5, 1924. Serial No. 736,189. 5 Claims. (Cl. 91—68.)

1. The process of making fabrics durable, transparent, water- and weather-proof, which consists in sizing the fabric with a sodium silicate, drying the same, coating it with a fusible weather-resisting petroleum distillate, adding carnauba wax for raising the melting point of said material, and finally smoothening and cooling the material.

4. As an article of manufacture a glass-cloth comprising a bleached muslin base and a coating of paraffine and carnauba wax.



1,557,486. BELT TIGHTENER. JAMES E. VALENTINE, Ezan, S. Dak. Filed Nov. 28, 1924. Serial No. 752,615. 4 Claims. (Cl. 64—5.)



1. In a belt tightener, a collar having stepped bearings on its outer end and having an axial rib formed with a threaded perforation, an arm mounted on the inner bearing and having a belt-engaging pulley thereon, oppositely disposed bosses on said arm, a second arm mounted on the other bearing and having a boss confronting the first arm, a lug on the second arm disposed opposite to the rib perforation, a screw threaded through the rib perforation and engaged with the lug, a coil spring, and means to removably connect the spring ends to the boss of the second arm and to the adjacent boss of the first arm.

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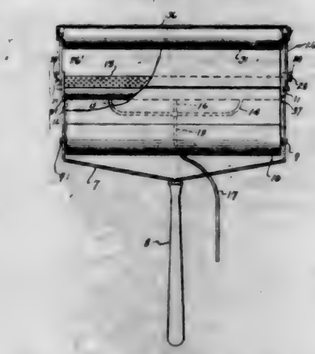
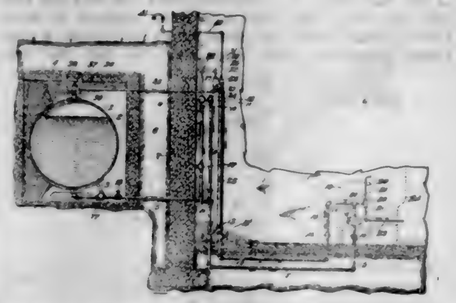
1,557,487. PAPER HANGER. HARRY VALLOS, Detroit, Mich. Filed Mar. 26, 1923. Serial No. 627,775. 3 Claims. (Cl. 216—6.)



1. A paper hanging machine comprising a paste container having an open top; a spring positioned in said container and adapted for engaging, at one end, the inner surface of the base of said container; a disk mounted in said container and adapted for engaging at its under surface, the opposite end of said spring; a cover for said container; a stem mounted on said disk and projecting outwardly from said cover, said container being adapted for containing paste between said disk and said cover; a tube connected to said cover and communicating with the interior of said container; a frame, a paste distributor mounted in said frame and communicating with said tube; a presser roller mounted on said frame; and a paper roller mounted on said frame.

1,557,488. METHOD AND APPARATUS FOR CONTROLLING THE SIPHON IN LIQUID-FUEL-BURNING SYSTEMS. LEPORT R. VAN SANT, Peoria, Ill. Filed Dec. 11, 1924. Serial No. 755,176. 12 Claims. (Cl. 158—36.3.)



2. In a liquid fuel burning system including a fuel containing reservoir, a burner, a pump and fuel lines between the reservoir and burner, of a controlling means connected with the fuel line between the pump and reservoir and in communication with an air supply, said controlling means being arranged to automatically drain itself of fuel on the cessation of the pump and to replace the fuel with air from the air supply, and adapted to receive fuel on the operation of the pump to displace the air and create a siphonic action in the fuel lines.

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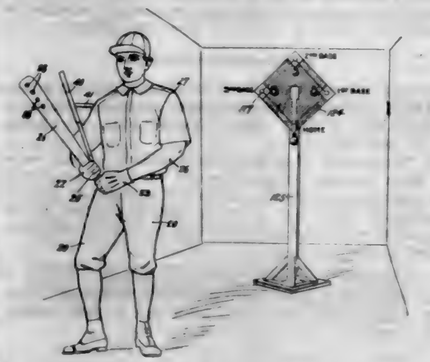
1,557,489. AMUSEMENT GAME. MARTIN VERBEYST, Park Ridge, N. J. Filed Oct. 26, 1923. Serial No. 670,968. 34 Claims. (Cl. 273—88.)



1. An amusement device comprising a human figure provided with means against which articles may be pitched, means to indicate the accuracy with which the said articles have been pitched against the said first mentioned means, said last mentioned means comprising an electric circuit, an indicating device disposed adjacent to the said human figure, a sliding element closing said circuit when hit by the said pitched article or articles, and spring means for holding the said sliding elements to hold the same against accidental movement.

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1,557,490. FOLDING LADDER. JOHN VIDETTA, Weehawken, N. J. Filed June 13, 1924. Serial No. 719,794. 1 Claim. (Cl. 228—36.)

In a ladder of the type described, side rails formed of hinged sections, cross rungs pivoted at their ends to the side rails, the side rails being longitudinally grooved

for their entire length to accommodate the rungs when the ladder is folded, lateral extensions on the opposed faces of the rails located at the hinged ends of the sections of one rail and at the outer ends of the sections of the other rail to provide for the complete housing of the rungs when the ladder is folded and with the side rails engaging, said side rails being adapted to have their sections swung on their hinges to provide a step ladder formation, links connecting the side rail sec-

tions to hold the structure in its step ladder formation, an intermediate rung at the hinged ends of the side rails, and oppositely extending brace arms carried by and arranged in parallelism with the extensions located at the hinged ends of one side rail with said brace arms being adapted to hook over the rungs located next above and below the said intermediate rung for holding the sections against folding movement while in extended position or while in the form of a step ladder.

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1,557,491. PRODUCTION OF ALKALI-SILICATE SOLUTION. LAURENCE WILLIAM CODD, Northwich, England. Filed May 5, 1923. Serial No. 637,021. 15 Claims. (Cl. 204—9.)

1. The process of making alkali silicates of high ratio of silica to soda solutions which comprises subjecting an alkali silicate solution to limited electrolysis without substantial separation of silica until a solution is obtained in which the ratio of silica to soda is less than fifteen to one.

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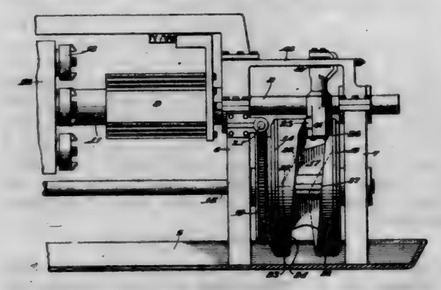
1,557,492. CAM AND ROLLER CONSTRUCTION. LEE G. DANIELS, Rockford, Ill. Filed Apr. 9, 1921. Serial No. 460,045. 24 Claims. (Cl. 74—14.)



1. A cam roller construction of the character described comprising a rotary cam-carrier having axially spaced cam surfaces, a cam roller disposed in the camway between said cam surfaces, a member mounted for reciprocation in a rectilinear path parallel with the axis of rotation of the cam-carrier, and means revolubly supporting said cam roller on said member including a bearing for the cam roller at the inner and outer ends thereof and a supporting member reaching inwardly through said camway supporting the inner bearing, whereby to provide a rigid support for the cam roller and to maintain its face in parallel relation to the faces of the cam surfaces.

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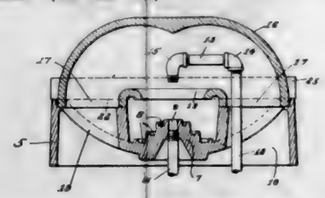
1,557,493. LIQUID-FUEL BURNER. LEE G. DANIELS, Rockford, Ill. Filed Apr. 7, 1924. Serial No. 704,550. 1 Claim. (Cl. 158—91.)



In combination, a liquid fuel burner of the character described comprising a burner bowl having downwardly converging sides and a burner cone interposed centrally therebetween, an air supply casing disposed above and extending diametrically across the burner for delivering air down onto the latter, the casing having comparatively flat parallel lower sides, the burner bowl and casing defining a combustion chamber from which the flames issue through the open top outlet of the burner bowl at each side of the casing, and means supplemental to the casing for restricting and varying the area of said open top at each side of the combustion chamber comprising a bar adapted to rest at its ends on the top of the burner bowl and to extend across the same at the side of the casing, each bar having a flat underside providing a deflecting wall contiguous to the casing and coplanar with the adjacent open top outlet.

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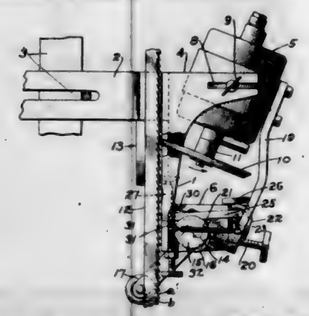
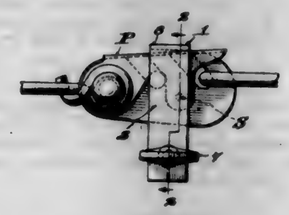
1,557,494. SAW-FILING DEVICE. JOHN GLANG, San Francisco, Calif., assignor of one-half to George Ostertag, San Francisco, Calif. Filed Oct. 21, 1924. Serial No. 744,898. 5 Claims. (Cl. 76—40.)



1. A saw sharpening device comprising the combination of a frame having means thereon for supporting the same on a saw carrying support adjacent the saw, an electric motor pivoted on the frame, a saw sharpening wheel on the motor shaft, resilient means normally holding the motor and wheel in saw sharpening position, saw feeding means comprising saw teeth engaging means carried by the frame, a shaft on the frame, a pair of eccentrics on the shaft, and means cooperating therewith and respectively adapted to pivot the motor to shift the wheel out of engagement with the saw and to thereafter operate the saw feeding means.



1,557,495. TIRE-CHAIN-FASTENER CLAMP. ALBERT D. GRIFFIN, Plankinton, S. Dak. Filed Jan. 30, 1925. Serial No. 5,820. 1 Claim. (Cl. 24—241.)



A clamp for tire chain fasteners having a pivoted latch member, composed of a U-shaped integral clamp formed to have its closed end seat on the pivoted member and having registering apertures in the free ends of its arms, one of the apertures being threaded, and a winged screw extending through the other aperture and having its outer end threaded through the threaded aperture and extending transversely across the bottom of the fastener, whereby to draw the free ends of the arms together inclined points beyond the bottom of the fastener upon tightening of the screw, said arms engaging over the latches of the fastener so as to clamp same in operative position.

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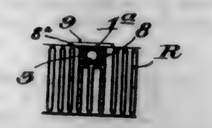
1,557,496. AUTOMOBILE RADIATOR-THAWING DEVICE. ROY S. INNES, Madison, S. Dak. Filed Apr. 26, 1923, Serial No. 634,694. Renewed Mar. 14, 1925. 4 Claims. (Cl. 137—72.)



1. In combination with an automobile radiator, an overflow pipe disposed vertically and centrally of the width of the radiator and having a closed upper end and an inlet arranged in the filling neck of the radiator, said pipe extending to a point adjacent the lower end of the radiator and formed with a series of outlets, the said outlets being so disposed as to cause steam entering the pipe at the inlet thereof to egress through the outlets and be impinged against the adjacent cells of the radiator on opposite sides of the pipe to effect thawing of the latter and means to connect the pipe to the radiator.

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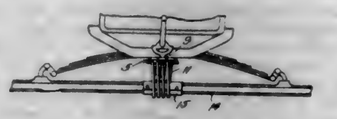
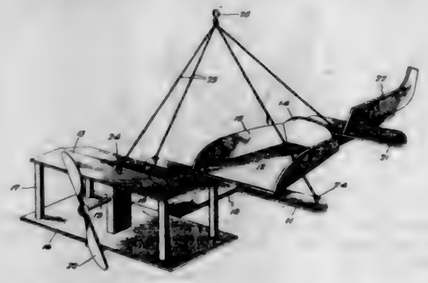
1,557,497. SHOCK ABSORBER. MYRON ABNER CAMERON JOHNSON and HENRY COLEMAN FISHER, Asheville, N. C. Filed Dec. 11, 1924. Serial No. 755,280. 4 Claims. (Cl. 267—30.)



1. A shock absorber including a fastening member formed with a plurality of openings, an elastic member adapted to be extended through the openings of the fastening member and adapted to be looped around an axle of a vehicle supported thereunder, and means for securing the ends of the elastic member to the fastening member.

1,557,498. SWING. MARCUS S. LOONEY, Amarillo, Tex. Filed Nov. 29, 1921. Serial No. 518,597. 1 Claim. (Cl. 155—58.)



A toy airplane of the character described comprising a horizontally arranged longitudinally extending member, a cross bar secured to the longitudinal member substantially central of the underside thereof, a seat secured upon the longitudinal member above the cross bar and including converging side pieces and a back, superimposed wings supported upon the longitudinally extending member in advance of the seat, a standard connecting the wings, a propeller associated with said standard, a horizontally arranged transversely disposed member secured to said longitudinally extending member at the rear of the seat, a vertically arranged longitudinally disposed member extending rearwardly and upwardly from the transverse member, a pair of supporting cables, fastening means secured to the upper wing and adjacent the rear end of the longitudinally extending member respectively for receiving the ends of one cable, fastening means secured adjacent the ends of the cross bar and receiving the ends of the other cable, and a support for receiving the cables as and for the purpose specified.

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1,557,499. APPARATUS FOR SEPARATING FINE METAL PARTICLES FROM SAND AND ORE PULPS. FRANK S. MORGAN, Berkeley, Calif. Filed June 9, 1924. Serial No. 718,881. 2 Claims. (Cl. 83—89.)

1. A separating device comprising a conduit having an imperforate wall with a concentrating surface of a readily yieldable sponge-like material of a thickness involving a plurality of cells lying on said wall.

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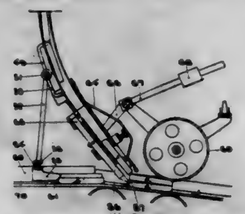
1,557,500. MACHINE FOR AUTOMATICALLY APPLYING COVERS ON BOXES OR SIMILAR PACKINGS. PER NORDENFELT and EDVARD FRISK, Stockholm, Sweden, assignors to Aktiebolaget Formator, Stockholm, Sweden, a Corporation. Filed Oct. 20, 1923. Serial No. 669,802. 26 Claims. (Cl. 93—55.)

1. In a machine for applying covers on boxes, the combination with a device, called the separating device, for separating the covers and feeding them one after the other from a receptacle to a conveyer device for moving the covers to a channel leading to the cover applying place, of a device which performs that the covers when coming to the place where they are applied

to the boxes turn all the same side up, and which consists of conveying members which order the covers during the conveying so that all covers turn the same



side up, and a device for applying the covers to the boxes moved forward below the delivery end of the cover channel.

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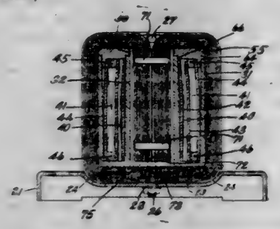
1,557,501. IGNITION COIL. IRVING J. REUTER, Anderson, Ind., assignor to General Motors Corporation, Anderson, Ind., a Corporation of Delaware. Filed July 17, 1923. Serial No. 652,151. 12 Claims. (Cl. 175—356.)



1. In an ignition coil, the combination with a cup formed of insulating material provided with a centrally disposed coaxial aperture; of ignition windings within said cup; a cover for said cup having a complementary aperture; a mounting base provided with a depression; a laminated core including a base portion adapted to fit within said depression and having a depending stem portion passing through said apertures; and means passing through said apertures, engaging said core and connected with said base, for clamping said core against the base and for holding said cup and cover in position with respect to the base.

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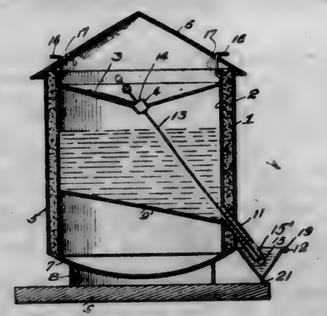
1,557,502. POULTRY FOUNTAIN. ROBERT W. RYON, deceased, by Bertha J. Ryon, administratrix, Manchester, Kans. Filed Jan. 22, 1925. Serial No. 4,070. 6 Claims. (Cl. 119—77.)



1. In an apparatus of the class described, the combination of an inner drum with a hopper like partition, a cylindrical valve seat in said partition, an outer drum around said inner drum, a discharge pipe in alignment with said valve seat and extending from said inner drum through said outer drum, a rod extending through said pipe and said valve seat, valve plugs on said rod for closing said valve seat and said discharge pipe, one of said valve plugs being in closed position while the other plug is in an open position, means for receiving water from said discharge pipe, and a cover over said drums.

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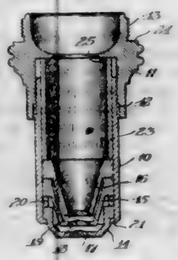
1,557,503. OPTICAL INSTRUMENT. JOHN CHARLES SABEL, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 5, 1924. Serial No. 754,037. 6 Claims. (Cl. 88—39.)



1. In optical instruments, an objective including a plurality of mounts adapted for longitudinal adjustment one upon another, a lens system carried by one of the mounts and a detachable member for limiting the movement of one mount toward another, the length of said member being such as to effect parfocalizing of the objective when assembling the parts thereof.

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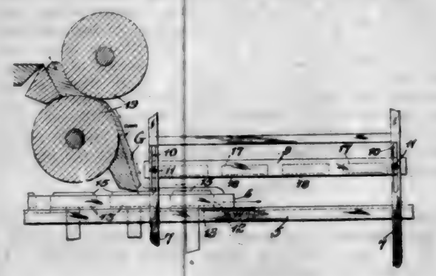
1,557,504. APPARATUS FOR MOLDING GLASS. ALFRED P. VOLLMAR, Forest Hills, N. Y., assignor to The Paul Wissmach Glass Co., Inc., Long Island City, N. Y., a Corporation of West Virginia. Filed Aug. 27, 1921. Serial No. 496,025. 1 Claim. (Cl. 49—1.)



A machine for molding glass comprising a table mounted for horizontal rectilinear movement adapted to receive a layer of soft or plastic glass as it is moved horizontally, said table having a plurality of spaced apertures, a vertically movable die mounted in each of said apertures, a vertically movable table carrying die members adapted to move downwardly into engagement with the upper surface of the layer of glass on the horizontal table when said horizontal table is positioned under said vertically movable table with the dies in the upper and lower tables in cooperating relationship and means for withdrawing the upper tables and dies and lowering the lower set of dies and permit the molded glass to rest on said horizontally movable table free from the die members.



1,557,505. SORTING MACHINE. DWIGHT W. WADSWORTH, Fennville, Mich. Filed Mar. 12, 1924. Serial No. 698,809. 6 Claims. (Cl. 130—32.)

1. In a structure of the class described, the combination of a supporting frame, outer and intermediate conveyors disposed side by side and comprising conveyor belts, the intermediate conveyor being shorter than the outer, front, rear and intermediate shafts disposed transversely of said belts, said rear and intermediate shafts being extended to one side and being provided with sprockets, the front shaft being adjustably supported, pulleys for said outer belts fixed to said front and rear shafts, pulleys for the intermediate belt, the rear pulley being fixed to said intermediate shaft and the front pulley being rotatable on said front shaft, a connecting chain for said sprockets, said sprockets being of such relative size that the intermediate belt travels faster than the outer belts, and a driving pulley for said intermediate belt.

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1,557,506. BOUQUET STAY. ROBERT LEWIS WALTHERS, Tomahawk, Wis. Filed July 21, 1924. Serial No. 727,392. 2 Claims. (Cl. 47—41.)

1. A bouquet stay, comprising a portable length of wire, said wire bent into sinuous form intermediate its ends, and at one end having a loop constituting a handle.

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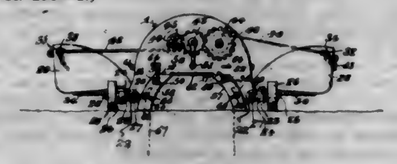
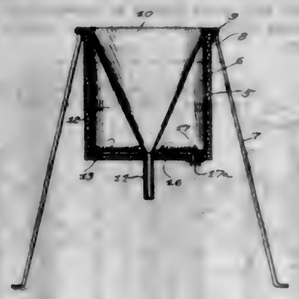
1,557,507. APPARATUS FOR FILLING AND MOUNDING GRAVES. NEILL A. WATSON, Raeford, N. C. Filed Oct. 23, 1924. Serial No. 745,465. 9 Claims. (Cl. 298—1.)



1. An apparatus for the purpose set forth comprising a pair of portable housings, means for connecting said housings together, a pair of oppositely shiftable dirt collecting and dumping receptacles carried by said means, and means mounted in each housing and connected with said receptacles for shifting them simultaneously to dumping position one in advance of the other.



1,557,508. ELECTRICALLY-HEATED FUNNEL. EMIL WEISS and FRANK HNILO, Chicago, Ill. Filed July 20, 1923. Serial No. 652,814. 2 Claims. (Cl. 219—19.)



2. In a combination, a cylindrical casing open at the top and having its side and bottom walls formed of heat insulating material, the bottom wall having a central aperture therein, a funnel having a neck extending through said aperture and its upper edge engaging the upper edge of the side wall of the casing, said funnel having its body of inverted frusto-conical shape whereby an air chamber is formed between the funnel and casing walls, a disk of electric insulating material in said casing spaced slightly above the bottom wall thereof and having a central aperture through which the neck of said funnel passes, and an electric heating unit consisting of a resistance element resting flat on said disk in spaced relation to the center thereof.

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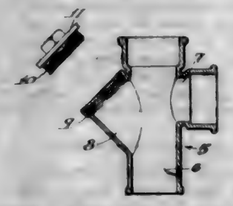
1,557,509. SANITARY TEE. GEORGE W. WENTZEL, Los Angeles, Calif. Filed Apr. 10, 1924. Serial No. 705,518. 2 Claims. (Cl. 137—75.)



2. A sanitary tee comprising a straight, vertical pipe section having a pair of branches integral therewith, which project from opposite sides thereof in substantially the same plane, one of said branches being horizontal with respect to the pipe section, the other being upwardly inclined at approximately 45°, said branches being so arranged that the central axis of the inclined branch where it enters the vertical pipe section is below the central axis of the horizontal branch where it enters the pipe section.

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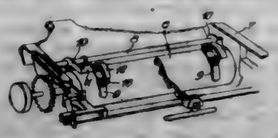
1,557,510. TYPEWRITER ATTACHMENT. HAZARL E. WEST, Washington, D. C. Filed June 2, 1923. Serial No. 642,978. 3 Claims. (Cl. 197—139.)



1. In combination with a typewriter having a platen, a rod above and at the rear of the platen, arms pivoted to the rod, guide fingers resiliently carried by said arms

and extending about the platen in slightly spaced relation thereto, guide rollers carried by said guide fingers and rolling upon the platen to space the guide fingers therefrom, of means for exerting direct yieldable pressure upon said guide fingers in substantially the direct line passing through the rollers and radially respecting the platen.

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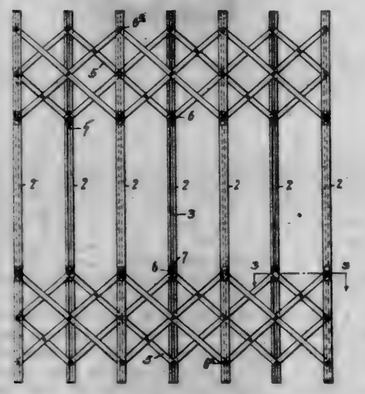
1,557,511. GATE. LOUIS A. WIBLAND, Pittsburgh, Pa. Filed July 16, 1923. Serial No. 651,873. 3 Claims. (Cl. 39—86.)



3. An expansible gate comprising two adjacent sets of lattice bars, each of said sets being composed of lattice bars pivotally connected at their ends, a plurality of parallel bars connected alternately to opposite sides of said lattice bars, the parallel bars on one side being connected to one set of said lattice bars and the parallel bars on the other side being connected to the other set of lattice bars, and means for securing each of said parallel bars slidably to said lattice bars comprising a rivet extending through the joined ends of a pair of said lattice bars and also extending into an undercut slot formed in said parallel bar, and a rectangular member carried by said rivet and received in the undercut portion of said slot.

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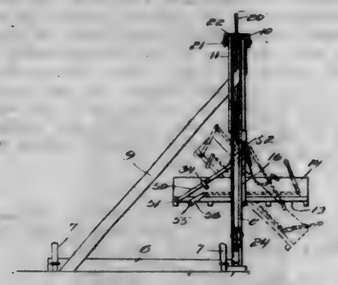
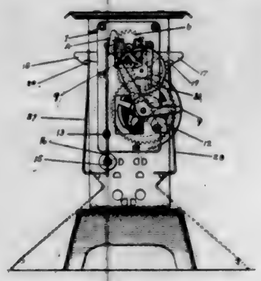
1,557,512. MANURE LOADER. THOMAS A. WILLIAMSEN, Hampton, Nebr. Filed June 2, 1925. Serial No. 34,412. 7 Claims. (Cl. 214—121.)



1. A device of the class described including a frame and a platform, said frame comprising a pair of uprights, a pair of cross bars extending across the tops of the uprights, rods projecting upwardly from the platform between the top bars, grapple members mounted on the top bars for receiving the rods and preventing the descension of the platform, and means for releasing the grapple members from the rods so as to allow the descension of the platform, and means for elevating the platform.

1,557,513. AUTOMATIC TOASTER. HERBERT STERLING WILSON, Chicago, Ill. Filed July 14, 1922. Serial No. 575,120. 2 Claims. (Cl. 161—16.)



1. An automatic toaster consisting of a heating element, means to support the article to be toasted at a suitable distance from the heating element, consisting of hinged frames, a spring actuated timing mechanism so arranged as to release the hinged frames and allow them to fall away from the heating element together with adjustable means to vary the time of exposure to the action of the heating element, all as has been described and specified.

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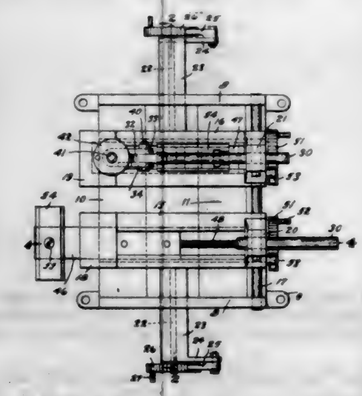
1,557,514. CLAMP. FRED W. WISE, Kirkland, Wash., assignor, by mesne assignments, of one-half to Oscar E. Higgins, Seattle, Wash. Filed June 12, 1922. Serial No. 567,587. 10 Claims. (Cl. 113—99.)



1. In a device of the class described, a normally horizontal frame, two relatively long clamping members extending across said frame and supported in parallel relation for sidewise movement toward and away from each other, independent screw means for moving each of said clamping members sidewise, a post projecting upwardly at the rear end of each of said clamping members, a shank supported for rotary and longitudinal adustment crosswise of each of said posts, and clamping means on the forward end of each of said shanks.

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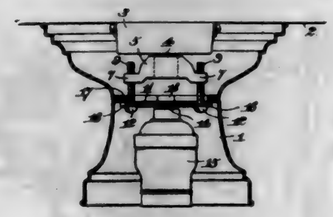
1,557,515. ELECTRIC LIGHTING UNIT. FREDERICK E. WOOLEY, Manasquan, N. J. Filed Sept. 18, 1924. Serial No. 738,500. 1 Claim. (Cl. 240—85.)

The combination with a shell having an inturned flange, of a support comprising a yoke adapted to be secured at its center to an outlet device, a plate below the support, said plate and flange having registering





recesses and lugs permitting the coupling of the plate and flange together, and screws projected through the plate and adjustably mounted in the yoke.

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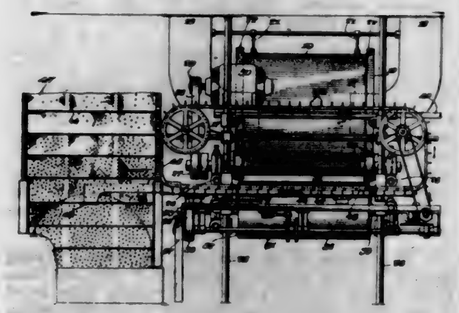
1,557,516. MECHANISM FOR STRAIGHTENING AND ASSEMBLING SPLINTS. JACOB P. WRIGHT, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 21, 1924. Serial No. 744,864. 8 Claims. (Cl. 144—191.)



1. In mechanism for straightening and assembling splints, the combination of a rotary receptacle including parallel rows of rectangular compartments, each compartment being proportioned to receive and carry a group of splints in parallelism, a continuously moving conveyer mounted to travel directly below and in angular relation to the axis of rotation of the receptacle, and means permitting the discharge of the contents of each succeeding row of compartments upon the progressing conveyer during the rotation of the receptacle.

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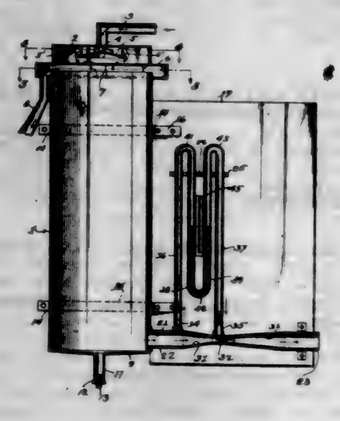
1,557,517. VISCOSIMETER. FRANS P. ZIMMERLI, Detroit, Mich. Filed July 30, 1923. Serial No. 654,673. 14 Claims. (Cl. 265—11.)

1. In a viscosimeter, the combination with a container adapted to contain a substance of undetermined viscosity, an inlet pipe in the top thereof, baffle plates against which the incoming liquid is diverted as it enters the container, and an overflow outlet near the top of the container for the discharge of the excess or fluid undergoing test, of an outlet pipe narrowed at the throat extending laterally from the bottom of the container, a U-tube adjacent thereto with a measuring liquid therein, means connecting the U-tube with the outlet tube, whereby a vacuum is produced in one leg of the U-tube and



a pressure in the other leg thereof, and a calibrated scale for registering the differences in the levels of the measuring fluid in the respective branches of the U-tube.

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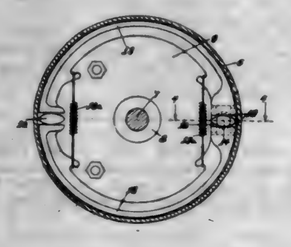
1,557,518. BRAKE. CARL J. DELEGARD and JOHN HAWKINSON, Poskin, Wis., assignors to Victor Delegard and Oscar M. West, both of St. Paul, Minn. Filed Aug. 21, 1922. Serial No. 583,135. Renewed Mar. 23, 1925. 2 Claims. (Cl. 188—78.)



1. The combination with a rotatable brake drum and a stationary plate closing the end of the drum, of a pair of oppositely disposed semi-circular brake shoes adapted to frictionally brake against said drum, means at one end of the pair of shoes for spreading the same to effectuate said braking, a cam intermediate the opposite ends of said shoes, a bolt formed integrally with said cam and threaded into said plate, means for locking the bolt in adjusted non-rotatagle position in the plate, and a pair of oppositely disposed yokes extending from the cam ends of said shoes to engage over the shank portion of said bolt.

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1,557,519. SYNTHETIC RESIN COATING COMPOSITION. CARLETON ELLIS, Montclair, N. J. Filed Feb. 7, 1921, Serial No. 443,250. Renewed Jan. 9, 1924. 23 Claims. (Cl. 134—26.)

2. A varnish basis comprising a solution in a drying oil of an oil-soluble cresol sulphur resin.

21. A coating composition containing an artificial sulfur resin adapted as a surface finish.

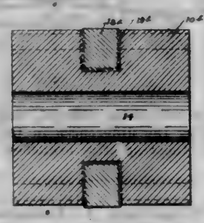
1,557,520. CLEANER. CARLETON ELLIS, Montclair, N. J. Filed June 16, 1924. Serial No. 720,457. 14 Claims. (Cl. 87—5.)

1. A composition for use as a cleaner, for cleaning fabrics, clothing and the like, consisting essentially of trichlorethylene and ethyl acetate, such mixture being substantially free from fats, soaps and waxes.

1,557,521. CYCLOHEXANOL-ALDEHYDE RESIN AND PROCESS OF MAKING THE SAME. CARLETON ELLIS, Montclair, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed Mar. 30, 1923. Serial No. 628,748. 5 Claims. (Cl. 260—3.)

1. A resinous composition prepared from cyclohexanol and formaldehyde.

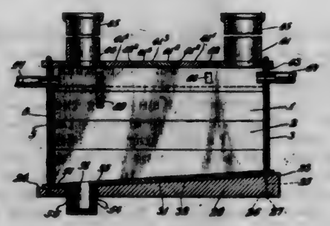
1,557,522. METHOD OF MAKING AND STRUCTURE OF GEARS. JOHN W. FULPER, Annandale, N. J., assignor to Elmer H. Stout, Trenton, N. J. Filed Jan. 17, 1922. Serial No. 529,821. 23 Claims. (Cl. 29—159.)



1. A gear comprising a main toothed body of highly wear resistant material, and having a plurality of less refractory gear toothed inserts therein, said less refractory gear toothed portions being of less wearing surface than the said highly refractory portion.

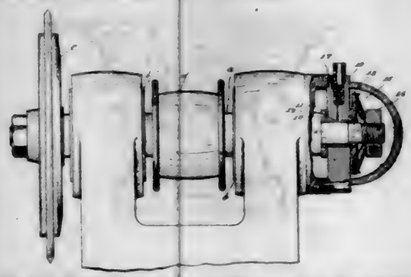
5. A process comprising reducing in size the projecting teeth of an article comprising a highly resistant portion and a less resistant portion provided with teeth respectively arranged side by side with the softer teeth projecting relative to the harder teeth.

1,557,523. SEPTIC TANK AND LIKE CONSTRUCTION. FRANK R. HAHN, Decatur, Ill., assignor of one-half to W. P. Landon, Rochelle, Ill. Filed Sept. 12, 1924. Serial No. 737,262. 15 Claims. (Cl. 210—6.)



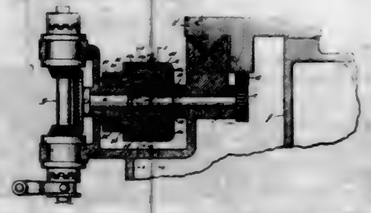
1. A construction of the character described including in combination a foundation having a plurality of stringers of beams, having sloping upper surfaces, a floor mounted on said sloping upper surfaces, side and end walls each composed of a plurality of units or elements arranged on said floor and a top or cover member composed of a plurality of units or elements positioned on said side and end walls, said end walls having inner and outer connections.

1,557,524. THRUST BEARING. BENGT M. W. HANSON, Hartford, Conn.; Einar A. Hanson and Clarence E. Whitney administrators of said Bengt M. W. Hanson, deceased. Filed Nov. 20, 1920. Serial No. 425,356. 5 Claims. (Cl. 308—163.)



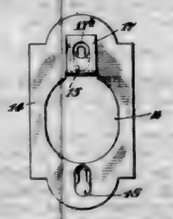
1. In a metal working machine, a spindle rotatably supported in suitable bearings but movable longitudinally therethrough, a grinding wheel fixed to said spindle, a fixed thrust bearing member through which said spindle extends, an abutment on said spindle bearing against one face of said member, a collar on said spindle bearing against the other face of said member, and a spring engaged between said collar and spindle.

1,557,525. DRIVING CONNECTION. BENGT M. W. HANSON, Hartford, Conn.; Einar A. Hanson and Clarence E. Whitney administrators of said Bengt M. W. Hanson, deceased. Filed Apr. 16, 1921. Serial No. 461,958. 6 Claims. (Cl. 64—106.)



5. In a device of the character described, a driving member, a driven member, a plurality of frictional disks keyed to said driving member, intervening disks keyed to said driven member, the key-ways in said intervening disks being of different lengths and that disk having the longest key-way being provided with a slot of greater length than the key-way, and a pin carried by one of the disks fixed to the driving member and engaging in said slot.

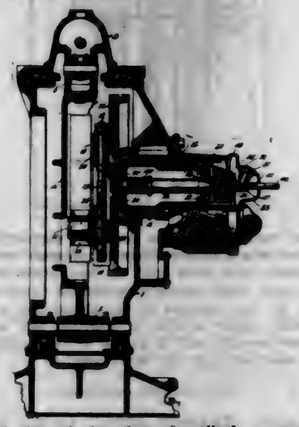
1,557,526. ELECTRICAL FIXTURE SUPPORT. POUL HARTMANN, Brooklyn, N. Y., assignor to Electric Outlet Company, Inc., New York, N. Y., a Corporation of New York. Filed June 15, 1921. Serial No. 477,634. 2 Claims. (Cl. 240—85.)



2. A unitary fixture support formed from sheet metal and providing a substantial bearing surface against a receptacle plate, said fixture support being formed with a key-hole slot to engage the head of a retaining-screw of the receptacle plate, a portion of said fixture support below the slot being bent outwardly to provide engaging and supporting means for a lighting fixture and to form a space for the use of an attachment plug in the receptacle.

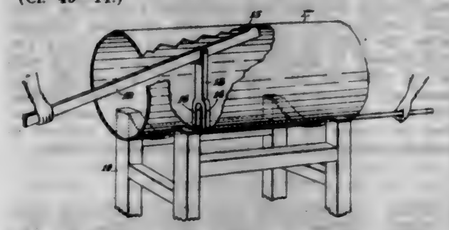


1,557,527. STROKE INDICATOR. ROBERT T. HAZELTON, Cincinnati, Ohio, assignor to The Cincinnati Shaper Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 25, 1924. Serial No. 728,275. 8 Claims. (Cl. 74—38.)



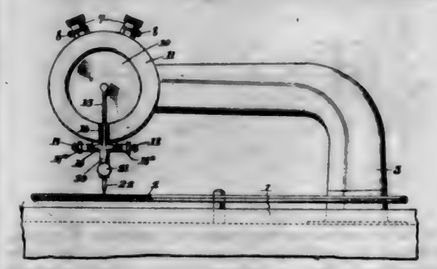
1. In a device of the class described, a crank gear having a crank pin adjustably mounted thereon a stroke-adjusting mechanism including a rotatable spindle journaled within said crank gear, a sleeve independently translatably non-rotatably mounted within said crank gear, having threaded connection with said spindle and having rack teeth thereon, and a rotatably mounted dial-shaft having a gear at one end in mesh with said rack teeth and having a graduated disk rotatable therewith for visually indicating the degrees of stroke adjustment when said spindle is independently rotated.

1,557,528. SPLITTING JACK FOR GLASS CYLINDERS. JOE H. HOWARD, Okmulgee, Okla., assignor of one-fourth to Baker Brothers Glass Company, Okmulgee, Okla., a Corporation of Oklahoma; one-fourth to The Harding Glass Company, Fort Smith, Ark., a Corporation of Arkansas; one-fourth to The National Glass Company, Independence, Kans., a Corporation of Kansas; and one-fourth to Wichita Falls Glass Company, Wichita Falls, Tex., a Corporation of Texas. Filed Mar. 11, 1925. Serial No. 14,599. 2 Claims. (Cl. 49—14.)



1. A splitting jack for glass cylinders comprising a standard, and a lever articulated therewith upon an axis transverse to the length of the lever, said lever having one end adapted to engage the upper interior of the glass cylinder and the other end adapted to be engaged by the hand of an operator.

1,557,529. ELECTRICAL REPRODUCER FOR PHONOGRAPHS. EDWARD THOMAS JONES, New Orleans, La. Filed Dec. 3, 1921. Serial No. 519,754. 5 Claims. (Cl. 179—100.1.)

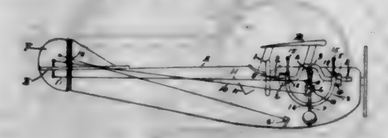


1. A phonograph reproducer comprising a watch case telephone receiver having a pair of magnets, a diaphragm adjacent the poles thereof, a screw threaded ring for securing said diaphragm in position, a support secured on the exterior of said watch case adjacent said magnets, a stylus arm formed of a single piece of material pivotally mounted in said support and provided at one end on one side of said pivotal mounting with a stylus point and secured at the other end on the opposite side of said pivotal mounting to said diaphragm and electrical connections from said magnets to a reproducing circuit.

1,557,530. PROCESS FOR THE PREPARATION OF METALLIC SCREENS FOR LUMINOUS PROJECTIONS. PIERRE JEAN MARTIN, Brussels, Belgium. Filed July 24, 1923. Serial No. 653,616. 2 Claims. (Cl. 88—24.)

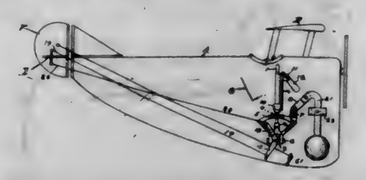
1. The herein described process of producing metallized screens for cinematographic and other projections, which consists in applying a coating of fine grains of flint to a plain backing, and applying to said coating a metallizing layer consisting of aluminum admixed with a small proportion of gold in the pure state finely divided from thin sheets into minute facets of dimensions in proportion to the degree of fineness of the grains of flint, the gold being uniformly distributed throughout the aluminium whereby the metallized surface is given increased brilliancy.

1,557,531. CONTROL FOR AEROPLANES. ROBERT ELVYN MITTON, Salt Lake City, Utah, assignor to The Mitton-Braley Aeroplane Control Company, Salt Lake City, Utah, a Corporation of Utah. Filed Aug. 22, 1922, Serial No. 583,631. Renewed Apr. 27, 1925. 6 Claims. (Cl. 244—29.)



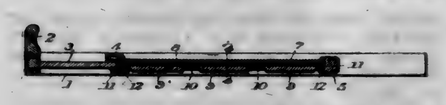
6. In a control for aeroplanes of the character described, comprising, a hand control wheel mounted on a shaft, said shaft having a crank formed thereon, a pendulum for automatically operating said shaft, a ball and socket joint connecting said crank to said pendulum, means for securing said shaft to the casing of the aeroplane, means for supporting said pendulum, means controlled by said pendulum, for operating the elevators and ailerons, substantially as described.

1,557,532. AUTOMATIC CONTROL FOR FLYING MACHINES. ROBERT ELVIN MITTON, Salt Lake City, Utah, assignor to The Mitton-Braley Aeroplane Control Company, Salt Lake City, Utah, a Corporation of Utah. Filed Sept. 25, 1922, Serial No. 590,281. Renewed July 10, 1925. 6 Claims. (Cl. 244—29.)



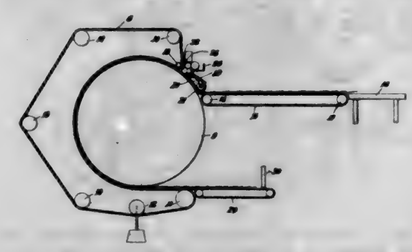
1. In a control of the character described for flying machines, in combination, a hand control lever pivotally mounted on a shaft, a segment bracket pivotally mounted on said shaft, said segment bracket having a hole therein, a sleeve mounted on said control lever, said sleeve to fit within said hole in said segment bracket to lock said control lever to said segment, means on said control lever for operating said sleeve, means on said control lever for attaching the wires to the ailerons, and means on said shaft for operating the wires to the elevators.

1,557,533. WASHBOARD. RALPH M. REEL, Cuyahoga Falls, Ohio, assignor to Marathon Rubber Company, Inc., Akron, Ohio, a Corporation of Ohio. Filed Nov. 1, 1922. Serial No. 598,404. 5 Claims. (Cl. 68—29.)



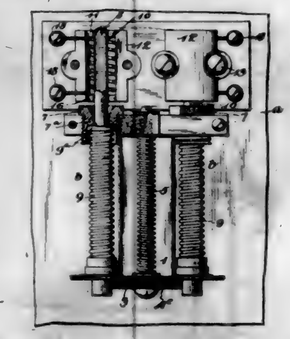
1. A wash board comprising, side frames and transverse members, a facing in the form of a continuous sheet forming the rubbing surface, a plurality of separate spaced transverse backing members beneath the facing member and parallel ribs extending transversely of the back of the facing member and integral therewith and received between the several backing members.

1,557,534. GUMMING MACHINE. JAY G. SWAB, Brooklyn, N. Y., assignor to Henry Trenchard, jr., Brooklyn, N. Y. Filed Aug. 16, 1923. Serial No. 657,688. 13 Claims. (Cl. 93—68.)



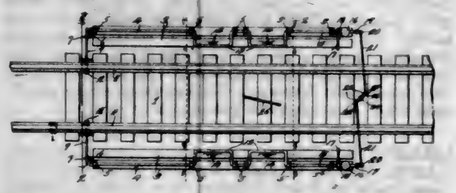
1. A drying apparatus of the character described comprising, in combination, a rotatable drum, a chain partially encircling the drum to hold gummed articles thereagainst, said chain having flat links with their edges presenting narrow bearing faces arranged to engage the gummed areas substantially as described.

1,557,535. THERMOSTATIC DEVICE. GEORGE H. WHITTINGHAM, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a Corporation of Maryland. Filed Mar. 17, 1924. Serial No. 699,955. 4 Claims. (Cl. 297—8.)



1. The combination with suitable supporting means, of a thermostatic device mounted thereon and comprising a closed tube filled with an expansible liquid, said tube having a lower corrugated section expansible longitudinally by the pressure of the liquid and a relatively inexpansible upper section, a heating coil surrounding said upper section, and a shield of insulating material between said coil and the lower section.

1,557,536. TRAFFIC STOP. ARTHUR W. BRIGGS, Omaha, Nebr.; Clara Briggs administratrix of the estate of said Arthur W. Briggs, deceased. Filed Dec. 21, 1923. Serial No. 682,070. 1 Claim. (Cl. 246—293.)

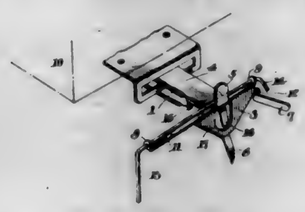


The combination with a railway, of railway crossing barriers, said barriers comprising longitudinally disposed rockable shafts at opposite sides of the railway, train actuated levers cooperating with one end of said shafts for rocking said shafts substantially ninety degrees, inwardly extending U-shaped members carried by the shafts and forming barriers, the other ends of said shafts being provided with downwardly extending arms, rods connected to said arms and extending inwardly under the rails, an angularly disposed horizontally pivoted member to opposite ends of which the inner ends of the rods are pivotally connected, a vertically disposed pin carried by said horizontally pivoted member, said pin being adapted to be engaged by a member carried by a train for restoring the U-shaped members to normal position after the train has passed a crossing.

1,557,537. AUTOMATIC CAR AND ELECTRIC COUPLER. GEORGE C. GEIGER, East McKeesport, Pa.; Anna B. Geiger executrix of said George C. Geiger, deceased. Filed Apr. 9, 1921. Serial No. 459,954. 13 Claims. (Cl. 173—332.)

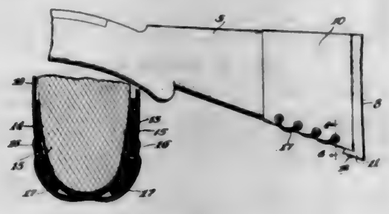
11. A coupling for toy cars comprising a pair of oppositely arranged couplers each including a coupler head, a draw bar connected therewith, a yieldable mounting for the draw bar on the car including a king bolt carried by the car and associated with the draw bar, a spring on the king bolt engaging the draw bar at one end, said coupler head including a frame and lugs upstanding from the frame, a lock plate depending from said frame and having an inclined lock shoulder along one side thereof, a keeper arranged on said lock plate





at the side opposite said lock shoulder, an outwardly curved cam carried by said keeper, a curved guide wing carried by the lock plate adjacent the lower end of said shoulder and an uncoupling lever journaled in said upstanding lugs and having an arm engageable with the frame.

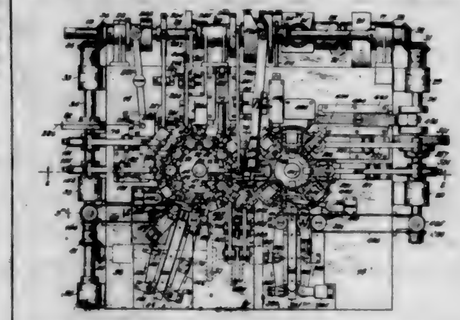
1,557,538. RECOIL DEVICE FOR GUNS. WALTER R. JORGENSON, Chicago, Ill., assignor to Jostam Manufacturing Co., a Firm composed of Walter R. Jorgenson, W. D. Stannard, and A. H. Ammann, Chicago, Ill. Filed June 19, 1925. Serial No. 38,147. 4 Claims. (Cl. 42—74.)



4. A recoil device for gun stocks comprising a resilient cushion, a gaiter-back cemented to the rear face of said cushion, a gaiter-side adapted to lie around a gun stock and having its rear margin cemented to the edge of said cushion, a forwardly turned tongue carried by said gaiter-back at its lower portion, tongues carried by the rear portions of the proximal edges of said gaiter-side, said tongues being superposed and secured each to the others, eyelets carried by the gaiter-side adjacent to its proximal edges, a lace co-operating with said eyelets to draw the proximal edges of the gaiter-side toward each other, and a flap carried by the gaiter-side adapted to bridge the space between the proximal edges of the gaiter-side and to underlie the lace.

1,557,539. MACHINE FOR AUTOMATICALLY HINGING THE BODIES AND COVERS OF RECEPTACLES. MARCELLE KUGEL, now by judicial change of name Carroll K. Marcell, Brooklyn, N. Y., assignor to Metal Package Corporation of New York, Brooklyn, N. Y., a Corporation of New York. Filed Sept. 3, 1920. Serial No. 407,920. 163 Claims. (Cl. 29—11.)

1. In an apparatus for hinging together a body member and a cover member, means for forming pintle ears on said body member, means for inserting a pintle in said ears, means for moving said pintle forwardly in said



pintle ears and from engagement with said body member and means for hinging said cover to said pintle while it is in said forward position.

1,557,540. PROCESS OF MANUFACTURING RESISTANT GLASS. VÁCLAV HORÁK, Vinohrady, Prague, Czechoslovakia. Filed Jan. 22, 1923. Serial No. 614,297. 3 Claims. (Cl. 106—36.1.)

1. The method of manufacturing a resistant glass, which will support a sudden fall of temperature from 320° to 0° C. consisting in melting at about 1200° centigrade, a mixture of sand, boric acid, potassium carbonate, sodium carbonate, kaolin, muscovite, zirconic oxide and titanic oxide.

1,557,541. DESK. DAVID WARREN LYNCH and RAYMOND S. LYNCH, Lancaster, Pa. Filed Feb. 2, 1923. Serial No. 616,552. 2 Claims. (Cl. 155—124.)

1. A desk of the class described, including in combination, a supporting frame having a transverse yoke member at its upper end, said yoke member being provided with a notch at its bottom edge, a desk top pivotally carried by the upper end of the frame, a supporting bar fitting into said notch and extending upwardly to provide a rest for said top and its lower end providing a supporting foot, means for securing the bar in said notch, a seat carried by the intermediate portion of the bar, and means for adjusting the top member with reference to the upper end of the bar.

Patents Nos. 1,557,542 to 1,558,448.

THE

# OFFICIAL GAZETTE

OF THE

# United States Patent Office.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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## Issue of October 20, 1925.

| | | | |
|---|---|---|---|
| Trade-Marks | 326 | No. 204,396 to No. | 204,721, inclusive. |
| T. M. Renewals | 72 | | |
| Labels | 35 | No. 29,336 to No. | 29,370, inclusive. |
| Reissues | 4 | No. 16,187 to No. | 16,190, inclusive. |
| Designs | 54 | No. 68,504 to No. | 68,557, inclusive. |
| Patents | 907 | No. 1,557,542 to No. | 1,558,448, inclusive. |
| Total | 1399 | | |

## Interference Notices.

U. S. Patent Office, *Washington, Oct. 7, 1925.*

*The R. & H. Manufacturing Company, its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of The Columbus Vending Company, 2005 East Main Street, Columbus, Ohio, for registration of a trade-mark and trade-mark registered June 30, 1914, No. 98,089, to The R. & H. Manufacturing Company, corner of Asylum and Spruce Streets, Hartford, Conn., and a notice of such declaration sent by registered mail to The R. & H. Manufacturing Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said The R. & H. Manufacturing Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, Sept. 29, 1925.*

*Polydyne Corporation, its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of the Polymet Manufacturing Corporation, 599 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered October 14, 1924, No. 190,597, to the Polydyne Corporation, #248 West Fourteenth Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Polydyne Corporation at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Polydyne Corporation, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

## ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,420,824, H. P. Donle, Rectifier, decided September 23, 1925, claims 1, 2, 4, 5, 6, 8, and 9.

Pat. 1,474,392, P. Van Vlissingen, Purging device, decided September 9, 1925, claims 1, 4, 5, 6, and 7.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 62,479, Popcorn and mixed popcorn and peanuts coated with taffy, The Earl Manufacturing Company, Pittsburgh, Pa. Registered May 7, 1907. Decided September 2, 1925.

T. M. 62,958, Golf clubs and implements and parts thereof, The P. G. Manufacturing Company, Homewood, Ill. Registered June 4, 1907. Decided September 9, 1925.

T. M. 101,884, Soft drinks, still and carbonated; natural spring water, and synthetic mineral water, The Hampshire Company, Incorporated, Fairfield Township, Fairfield County, Conn. Registered December 8, 1914. Decided September 9, 1925.

T. M. 107,438, Candy, Barbara Fritchie Shops, Chicago, Ill. Registered November 30, 1915. Decided September 2, 1925.

T. M. 110,037, Carbonated beverages, nonalcoholic, The Sparkade Company, Cleveland, Ohio. Registered May 2, 1916. Decided August 31, 1925.

## TRADE-MARKS CANCELED.

54,513. Canned corn and canned sauerkraut. P. Hohenadel, jr., Janesville, Wis., and Rochelle, Ill. Registered June 26, 1906. Canceled September 17, 1925.

106,138. Leather-topped steel-soled overshoes for horses. Mabel Blackman, New York, N. Y. Registered March 27, 1923. Canceled October 1, 1925.

185,370. Storage batteries. Continental Tire Corporation, Chicago, Ill. Registered June 10, 1924. Canceled October 6, 1925.

191,615. Certain named radio apparatus. The Goldschmidt Corporation, New York, N. Y. Registered November 11, 1924. Canceled September 22, 1925.

## Condition of Applications Under Examination at Close of Business October 9, 1925.

| Room No. | (Total number of applications awaiting action, excluding Trade-Mark Division, 42,057; Trade-Mark Division, 2,170. Oldest new case, Apr. 2, 1925; oldest amended, Apr. 8, 1925. The dates given are 1925.) Divisions, Examiners, and Subjects of Inventions. | Oldest new application and oldest action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
|---|---|---|---|---|
| 112 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders. | July 11 | July 15 | 532 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | June 15 | May 1 | 504 |
| 331 | 3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | Aug. 8 | Aug. 6 | 488 |
| 234 | 4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists. | July 7 | July 6 | 569 |
| 108* | 5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | May 2 | May 9 | 914 |
| 318 | 6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | July 9 | June 18 | 826 |
| 105 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | June 30 | June 30 | 805 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture | July 6 | July 8 | 1,222 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | May 20 | May 11 | 633 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | June 10 | June 18 | 938 |
| 148* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | June 27 | July 9 | 780 |
| 380 | 12. PIERCE, P. P., Machine Elements | June 13 | June 12 | 696 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | June 10 | June 23 | 686 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | June 10 | July 16 | 774 |
| 329 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | June 19 | June 22 | 783 |
| 242* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | May 27 | June 15 | 736 |
| 307 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | July 13 | Aug. 3 | 338 |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | May 8 | May 13 | 770 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | June 4 | Aug. 11 | 520 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking. | July 1 | July 2 | 684 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | May 25 | June 20 | 497 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | July 21 | Aug. 3 | 371 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | May 9 | May 5 | 356 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | July 28 | Aug. 8 | 352 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | July 14 | July 10 | 720 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | Apr. 18 | Apr. 24 | 770 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | July 17 | July 30 | 540 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Aug. 11 | Aug. 18 | 664 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Cooperage; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | Apr. 2 | Apr. 8 | 1,156 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | July 1 | July 2 | 877 |
| 312 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | Aug. 4 | July 29 | 684 |
| 240 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | June 5 | June 5 | 643 |
| 152 | 33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Aug. 10 | Aug. 10 | 642 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Snow Service; Track Sanders; Vehicle Fenders. | June 1 | June 10 | 601 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | July 10 | July 13 | 637 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | June 4 | June 15 | 1,135 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | May 14 | May 18 | 971 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells. | May 13 | May 5 | 858 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | June 17 | July 30 | 386 |
| 269 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | June 9 | June 24 | 1,277 |
| 125 | 41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | July 6 | June 26 | 479 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling | Apr. 18 | Apr. 22 | 1,188 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | June 8 | June 30 | 747 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | May 2 | May 6 | 824 |
| 370 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | June 22 | June 26 | 681 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | June 16 | June 19 | 635 |
| 304 | 47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | May 20 | May 23 | 1,278 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications | Apr. 20 | Apr. 29 | 1,580 |
| 289 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification. | June 10 | June 15 | 779 |
| 222 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | May 18 | May 18 | 1,090 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | May 19 | May 22 | 1,179 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | July 20 | July 22 | 544 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens. | July 7 | July 16 | 763 |
| 163 | Designs: C. O. MARKHAM (Acting) | Sept. 18 | Sept. 24 | 341 |
| 168 | Trade-Mark, Labels, and Prints: T. L. MEAD, Jr. {Trade-Marks | Sept. 2 | Sept. 24 | 1,921 |
| | {Labels and Prints | Sept. 10 | Sept. 29 | 249 |

* Refers to room numbers in the annex.



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Commissioner's Decisions.

Ex parte Benes.

*Decided August 5, 1925.*

Joint and Sole Applications—Changing Sole to Joint Application.

A sole application may not be changed to a joint application.

On petition.

*Mr. Frank J. Schraeder, jr.*, for the applicant.

Robertson, *Commissioner:*

Applicant petitions that his sole application be changed to a joint application by entering an amendment consisting of a new petition with power of attorney signed by petitioner and by Warren Joseph Fretz, the coinventor with petitioner, a joint oath, and a substitute specification signed by both parties.

In support of the petition the following decisions are cited: *In re Roberts*, 273 O. G. 410; 1920 C. D. 158; 49 App. D. C. 250; *Bijur* v. *Kennington*, 295 O. G. 887; 1922 C. D. 54; 51 App. D. C. 230; *Briggs and Jacobi* v. *Keisling*, 311 O. G. 3; 1923 C. D. 186; 53 App. D. C. 49.

In each of the cited cases the question was whether a sole applicant could have the benefit of the date of the joint application erroneously filed as a joint application when in fact one of the said parties was found to be the sole inventor of the subject matter of the application.

In the Roberts case, supra, the joint applicant who erroneously joined in the application conceded that he had no part in the invention and the court, in holding that the sole applicant in that case had the benefit of the date of the joint application, said:

> • • • It is difficult to perceive any reason for not permitting the rectification of such a mistake by an amendment eliminating the superfluous applicant.

The decisions in *Bijur* v. *Kennington* and *Briggs and Jacobi* v. *Keisling*, supra, sanction amending a joint application to eliminate a joint inventor who was erroneously and in good faith joined as a joint inventor, or filing a sole application which is entitled to the benefit of the date of the joint application.

Petitioner's case, however, presents an entirely different problem. He is seeking to change a sole application to a joint application, which is not a case of eliminating superfluous matter, but an attempt to add matter that was not in the application as originally filed. It is true that the subject matter of the application remains the same, but it adds an additional party who did not sign the specification or join in the oath as originally filed. To accept the amendment would in effect be giving a filing date and a serial number to an incomplete application, as the proposed joint application was not complete as a joint application at the time this application was given a filing date—namely, December 24, 1923. The remedy in this case appears to be to file a new joint application, provided the parties can make the required averments of the application oath.

The petition is denied.

## Court of Appeals of the District of Columbia.

The Rieser Company, Inc., *v.* Niles.

*No. 1,731. Decided April 6, 1925.*

Trade-Marks — Descriptive Properties Different — Hair and Scalp Preparations—Hair Nets and Hair Curlers.

Hair and scalp preparations are not goods of the same descriptive qualities as hair nets and hair curlers, since their general and essential characteristics are different.

Appeal from Patent Office. Affirmed.

*Mr. Jos. L. Levy* for The Rieser Company, Inc.

*Mr. Joseph Atkins* and *Mr. L. L. Townshend* for Niles.

Before Martin, C. J., Robb, J., and Van Orsdel, J.

Robb, *J.:*

This appeal is in a trade-mark cancellation proceeding in which the tribunals of the Patent Office concur in the view that appellee's mark should not be canceled.

Prior to the adoption and registration by appellant of the mark "Weneeda," for use on a preparation for the treatment of the hair and scalp, appellee had used the mark "Venida" on hair nets and hair curlers. Subsequent to appellee's entry into the field, appellant used its mark on toilet soaps, lip sticks, talcum powder, rouge, toilet creams, etc.

The tribunals of the Patent Office did not find it necessary to determine whether the two marks are deceptively similar, nor do we. Hair and scalp preparations are not goods of the same descriptive qualities as hair nets and hair curlers, since their general and essential characteristics are different. See *Hump Hairpin Co.* v. *De Long Hook & Eye Co.*, 190 O. G. 1032; 1913 C. D. 393; 39 App. D. C. 484; *Consumers Co.* v. *Hydrox Chemical Co.*, 192 O. G. 744; 1913 C. D. 432; 40 App. D. C. 284; and *Nulyne Laboratories* v. *Electro-Alkaline Co.*, 312 O. G. 399; 1923 C. D. 209; 52 App. D. C. 265, 285 Fed. 999. In the case last cited we said:

> This, therefore, is a case in which the goods of the parties are dissimilar and possess different qualities and characteristics. (Citing cases.) When appellant adopted its mark, the field was open. In other words, there is nothing to raise a doubt as to its good faith, and we therefore do not think appellee should be permitted, at this late day, to appropriate the business and good will thus established.

The ruling just discussed is apposite here, and it results that the decision must be affirmed.

Affirmed.

## Court of Appeals of the District of Columbia.

IN RE DREW.

*No. 1,735. Decided April 6, 1925.*

DESIGNS—INVENTION—HUNTING KNIFE.

Refusal of an application for a design patent on a hunting knife in view of several references, one disclosing a blade and another a handle, *reversed*, there being substantial differences of appearance resulting in a unitary design that is useful and ornamental, possessing points of substantial improvement in appearance over the references, and exhibiting the quality of invention.

APPEAL from Patent Office. Reversed.

*Mr. James T. Newton* for the applicant.

*Mr. T. A. Hostetler* for the Commissioner of Patents.

Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

MARTIN, *J.*:

Appeal from the Commissioner of Patents.

The appellant filed an application for a design patent for an "ornamental design for a hunting knife, as shown." The application was rejected by the Acting Examiner upon the ground that the design was not new and original in view of several cuts appearing in a certain Military Shop's catalogue of the year 1915. The Examiner held that one of these cuts disclosed a blade and the other a handle almost identically like those appearing in the applicant's drawing, and that these elements had merely been combined by the applicant to form the proposed design, without the exercise of originality and invention. This ruling was sustained upon successive appeals by the Examiners in Chief and the First Assistant Commissioner.

It is claimed by the appellant that a

design must be viewed and considered as a whole, and originality and novelty will not be denied it because elements or component parts of the design are old, if as a whole it produces a new and pleasing impression on the esthetic sense;

also, that

a combination of old design elements presenting a new appearance not a mere sum of old appearances presented by the elements, involves patentable invention.

He claims accordingly that his proposed design is a new and original combination of design elements, giving a new and original appearance to a manufactured article which has enhanced its salable value, and is entitled of right to a design patent as applied for.

We have compared the blade and handle of the applicant's design with the corresponding elements of the references, and we find substantial differences of appearance between them. The blade of the reference presents a concave-convex appearance for almost its entire length, whereas applicant's blade presents a flat appearance interrupted only by a relatively small depression. The contrasting blades moreover differ in point of configuration. The corresponding handles distinctly differ in their respective lines of ornamentation.

We are of the opinion that the applicant's unitary design is in fact original and ornamental, possessing points of substantial improvement in appearance over the references as judged by the eye of the average man, and that it exhibits the quality of invention as applicable to the article in question. It is also an established rule that in case of a serious doubt in the mind of the court after a careful review of the evidence, the doubt should be resolved in favor of the one seeking a patent.

Upon these considerations we reverse the decision below.

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## Court of Appeals of the District of Columbia.

J. E. BATES & CO., INC., *v.* A. J. BATES CO.

*No. 1,714. Decided April 6, 1925.*

TRADE-MARKS—CANCELLATION—SALE OF BUSINESS—REGISTRATION UNDER TEN-YEAR CLAUSE.

Where A. J. B. and J. E. B., copartners established a factory in 1885 which put forth under the trade name of "The Bates Shoe," certain lines of shoes chiefly but not exclusively for sale at a store owned by the company; where the partnership was dissolved in 1905 and the factory with all of its assets was transferred to A. J. B., and J. E. B. secured the store, and where the successor of A. J. B. registered the mark in 1906 under the ten-year clause of section 5 of the act of 1905 and used it from that time on, *Held* that the transfer to A. J. B. carried with it all of the firm's rights, including the trade-marks or trade names under which the factory's production had been put out and marketed, that the registration was lawful and that the petition for its cancellation by the J. E. B. Co. was properly denied.

APPEAL from Patent Office. Affirmed.

*Mr. Wm. F. Hall* for J. E. Bates & Co., Inc.

*Mr. E. T. Fenwick* for A. J. Bates Co.

Before MARTIN, Chief Justice, ROBB, Associate Justice, and BARBER, Judge of the United States Court of Customs Appeals.

MARTIN, *C. J.*:

Appeal from the Commissioner of Patents.

This is an appeal by J. E. Bates & Co., Inc., from a decision of the Assistant Commissioner of Patents denying a petition of the appellant seeking a cancellation of the registration of "The Bates Shoe" as a trade-mark of the appellee.

The record contains extended evidence, but the controlling facts are plain. In the year 1886 A. J. Bates and J. E. Bates were copartners engaged in the wholesale and retail shoe business in New York city; in the year 1885 the firm, as part of its going business, established a shoe factory at Webster, Mass.; from 1886 until 1905 the factory put out certain lines of shoes under the trade name of "The Bates Shoe," chiefly but not exclusively for sale at the company's New York store; in the year 1905 the partnership was dissolved by mutual agreement, and the assets including the factory and store were divided between the two partners; in conformity with the terms of the agreement the firm made over to the partner A. J. Bates the said factory including all the property of the copartnership of every name and nature owned by the firm in and about Webster, Mass., consisting of all machinery, tools, implements, lasts, and other personal property



used in the manufacture of shoes at the "plant of said firm" in Webster, including all merchandise and stock on hand, whether raw material, finished or unfinished, all bills receivable standing on the books of the firm at Webster, whether in the name of the firm or in the name of the Webster Shoe Company, all notes payable to said firm at Webster, all cash on hand or in bank in Webster, all unexpired insurance,

and other assets of every name and nature pertaining to the business at Webster, Mass., intending to include hereby not only the items above specifically mentioned, but all others that may be there located.

By the terms of the agreement the partner J. E. Bates acquired the New York store.

The trade-mark now in question had not been registered prior to this time, but in January, 1906, the appellee A. J. Bates Co., as assignee of A. J. Bates, filed an application for its registration, and it was regularly registered on June 5, 1906, under the ten-year clause of section 5 of the act of February 20, 1905. The mark has been used continuously by A. J. Bates and the appellee as his successor, at the Webster factory since that time.

The appellant, J. E. Bates & Co., Inc., in succession to J. E. Bates, continued the business of the New York store, and in 1918 also established a factory for the manufacture of shoes. In 1922 the appellant filed the present petition for a cancellation of the trade-mark in question. The petition was sustained by the Examiner of Interferences, but upon appeal was dismissed by the Assistant Commissioner of Patents.

The facts above recited fully justify the conclusion that the transfer to A. J. Bates of the Webster factory with all of its assets, carried with it all the firm's rights in and about the factory as a going business, including the trade-marks or trade names under which the factory's production had been put out and marketed, and that among these was the mark "The Bates Shoe," which at the time of the dissolution had been in continuous use by the factory for more than ten years. Accordingly, under the ten-year provision of the statute the registration of the mark was lawful, and the Assistant Commissioner was correct in denying the appellant's petition for its cancellation.

The decision is therefore affirmed.

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## Court of Appeals of the District of Columbia.

IN RE GRIGGSY.

*No. 1,722. Decided April 6, 1925.*

1. DESIGNS—INVENTION.

A design for an automobile weather shield and glare visor, embodying features which constitute a distinctive characteristic of the article, which is novel, attractive, ornamental, and a distinct departure from the former construction, which marks an advance in the style of such articles and meets a great demand, is patentable.

2. DESIGNS—STRUCTURAL IMPROVEMENTS.

The fact that a design presents also certain structural improvements does not alone furnish ground for granting a design patent, but it does not militate against such action.

APPEAL from Patent Office. Reversed.

*Mr. Geo. E. Mueller, Mr. J. H. Milans*, and *Mr. C. T. Milans* for the applicant.

*Mr. T. A. Hostetler* for the Commissioner of Patents.

Before MARTIN, C J., ROBB, J., and VAN ORSDEL, J.

MARTIN, *J.*:

Appeal from the Commissioner of Patents.

The appellant applied for a design patent for a device known as a weather shield and glare visor. The article consists of an aluminum frame having a central dividing rib, and carrying two translucent sections or panes. It is of the type to be mounted above the windshield at the front of an automobile in order to protect the windshield from rain and sleet, and to shield the driver from the glare of the sun.

The application was rejected by the Acting Examiner upon the ground that the design was not new, original, and ornamental, in view of certain prior design patents, and particularly that it exhibited no invention over former designs. This decision was successively affirmed by the Examiners in Chief and the Assistant Commissioner of Patents.

[1, 2] The device in question is referred to by the appellant as a triple curve or three arc visor, and the feature upon which the application rests is to be found in its uniformly curved lines extending from front to rear, thereby forming three several arcs. These constitute a distinctive characteristic of the article and distinguish it from the visors described in the references, the latter showing plain arcuate curves or so-called ogee curves. The present design is novel and attractive in appearance, and when conspicuously mounted in its place upon the car the visor is very ornamental. The design is a distinct departure from the plain or irregularly curved visors of the former construction, and marks an advance in the style of such articles. These statements find support in the testimonials contained in the record, and by proof of the enormous sales of the article as compared with those of other designs. It seems clear that the popular demand for it is caused by its attractive appearance, rather than by utilitarian considerations. It is true that this design presents also certain structural improvements over former visors, but while that fact alone does not furnish ground for granting a design patent it does not militate against such action.

It is suggested that the difference in appearance between the present visor and former ones results from comparatively slight changes in form, and that these do not have the quality of invention. It should be noted however that a visor is composed of few and simple elements, and invention with respect to its design must necessarily deal with features which are of minor consequence if taken alone. Such changes however may greatly affect the appearance of the article as an entirety when judged by the taste and fancy of an average man, and this has been accomplished in the present in-

stance. We hold therefore that the applicant was entitled to a patent as sought by him, and that it was error to reject his application.

The decision in question is reversed.

## Court of Appeals of the District of Columbia.

JONES, JR., *v.* MIDGLEY AND NAYLOR.

*No. 1,718. Decided April 6, 1925.*

INTERFERENCE—PRIORITY—DECISION OF PATENT OFFICE AFFIRMED.

Decision of Commissioner of Patents awarding priority to M. and N. affirmed.

APPEAL from Patent Office. Affirmed.

*Mr. Wm. M. Jones, jr.*, pro se.

*Mr. E. C. Taylor* and *Mr. Wm. L. Edmonston* for Midgley and Naylor.

Before MARTIN, C. J., ROBB, J., and BARBER, J., U. S. Court of Customs Appeals.

MARTIN, *C. J.*:

Appeal from the Commissioner of Patents.

This is an appeal from the decision of the Commissioner of Patents awarding priority of invention of the count in issue to the appellees who are the junior parties.

The invention relates to the vulcanizing of pneumatic tires or casings by the use of a hollow iron annulus or core so constructed as to permit of the continuous passage of steam or hot water practically through its entire circumference, thus applying heat to the inside of the casing leaving the outside to be otherwise treated.

The count in issue reads as follows:

A tire vulcanising core, a tubular annulus having a partition therein and having a continuous passage throughout its circumferential extent from one side to the other side of said partition, a fluid-inlet at one side of and adjacent to said partition, and a fluid-outlet at the other side of and adjacent to said partition, said fluid-outlet and fluid-inlet extending inwardly of the core, so that these fluid carrying elements extend between the beads of the tire-casing when the core is in the casing, and so that the current of fluid can be effected substantially through the circumferential extent to the core for the purpose specified.

The questions presented upon this appeal are primarily questions of fact, and they have been decided against the apellant by three concurrent findings of the tribunals of the Patent Office. Under well-established rules of practice, this court will not disturb such a decision unless clear error has intervened to the prejudice of the appellant. We do not find such error in the record.

The appeal in effect raises three questions; first, whether the appellees in fact were prior to the appellant in respect to the time of the invention; second, whether the appellees were joint inventors as claimed by them; and third, whether the appellees lost their rights as inventors by reason of an alleged concealment and suppression of the invention.

The evidence fully discloses that the appellees in fact conceived the invention on December 16, 1918, with disclosure and reduction to practice within a few days thereafter, followed by a commercial production and use of the cores in the month of January, 1919; whereas February 6, 1919, was the date of conception and disclosure by the appellant who however made no core embodying the invention prior to his application for a patent on January 30, 1920, and who never manufactured any such cores for use or sale. It is shown that large numbers of cores were constructed for appellees and used by them industrially in the vulcanizing of tires throughout the years 1919 and 1920; in fact more than three hundred cores were in commercial use by appellees within a year after their date of conception. It is also clear that no effort was made by appellees to conceal or suppress the invention but that cores were obtained in large numbers on order from an outside firm and were used openly in the commercial production of tires. It appears moreover that the appellees filed as joint inventors, and that their claim in that particular is consistent with the fair import of the evidence in the case.

We therefore hold that priority of invention was properly awarded to the appellees, and affirm the decision of the Commissioner.

## Court of Appeals of the District of Columbia.

IN RE LUDWICK.

*No. 1,664. Decided April 6, 1925.*

1. CLAIMS—PROLIXITY—AGGREGATION.

A claim comprising a page and a half of typewritten matter and including substantially every detail of the invention, condemned.

2. SAME—UNPATENTABLE COMBINATION.

A combination of old elements, though resulting in an improvement over the prior art, is not patentable when the various parts function as before.

APPEAL from Patent Office. Affirmed.

*Mr. Arthur E. Paige* for Ludwick.

*Mr. T. A. Hostetler* for the Commissioner of Patents.

Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

ROBB, *J.*:

Appeal from a Patent Office decision disallowing claims 1 to 18, inclusive, 23, 24, and 25, of appellant's application.

[1] The device is a force-feed lubricator designed for lubricating various bearings of machinery, more particularly a roller mill. The Primary Examiner disallowed all the claims because, in his view, they were anticipated by the prior art. The Board allowed claims 19 to 22, inclusive, but affirmed the Examiner as to all the other claims, and this decision in turn was affirmed by the Assistant Commissioner. As to claims 1 to 12, inclusive, the Assistant Commissioner said:

No error is found in the holding of the lower tribunals that claims 1 to 12 cover aggregations of unrelated elements. Claim 1, for example, comprises a page and a half of typewritten matter and includes substantially every detail of the lubricator. This class of claims was discussed and condemned by Commissioner Fisher in *Ex parte Lawrence*, 1869 C. D. 88.

[2] This ruling was in line with the decisions of this court. A combination of old elements, though resulting in an improvement over the prior art, is not patentable when the various parts function as before. *In re Merritt, Black and Morris*, 162 O. G. 540; 1911 C. D. 266; 36 App. D. C. 122; *In re Smithey*, 276 O. G. 211; 1920 C. D. 198; 49 App. D. C. 374; *Smithey* v. *Robertson*, 325 O. G. 6; 1924 C. D. 452; 299 Fed. 248.

We have carefully examined the other claims and are content to rest our decision upon the reasoning of the tribunals of the Patent Office.

The decision is affirmed.

Affirmed.



## Court of Appeals of the District of Columbia.

PRATHER *v.* TELLIER AND HOSKINS.

*No. 1,742. Decided June 1, 1925.*

INTERFERENCE—PRIORITY.

Decision awarding priority to Tellier on invention relating to baking and granulating clay for softening hard water affirmed.

APPEAL from Patent Office. Affirmed.

*Mr. J. E. Stryker* and *Mr. A. V. Cushman* for Prather.

*Mr. John H. Lee* and *Mr. M. J. Jewett* for Hoskins.

*Mr. R. F. Steward, Mr. J. Q. Rice*, and *Mr. M. C. Massie* for Tellier.

Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

PER CURIAM:

Appeal from concurrent decisions of the Patent Office tribunals in an interference proceeding, which is one of a series of interferences, awarding priority to the party Tellier.

The invention relates to the baking of suitable clay and the crushing of it to make it granular, for softening hard water. The issue here, as before the Patent Office, is one of fact, and the concurrent decisions of the three tribunals below, covering as they do almost sixty printed pages of the record, contain an exhaustive and satisfactory discussion of the evidence. A review of those decisions, in the light of the briefs, argument, and record, not only fails to disclose any error but convinces us that the correct conclusion was reached. In these circumstances, it would serve no useful purpose again to review the evidence, and we therefore affirm the decision.

Affirmed.

Note.—Decisions of the Commissioner affirmed June 1, 1925, in the following cases for the reasons stated in Appeal No. 1,742: *Widner* v. *Tellier and Hoskins*, No. 1,741; *Widner* v. *Tellier*, No. 1,743; *Prather* v. *Tellier*, Nos. 1,744 and 1,745.

## Court of Appeals of the District of Columbia.

SAUNDERS *v.* CAMPBELL.

*No. 1,736. Decided June 1, 1925.*

1. INTERFERENCE — PRELIMINARY STATEMENT — AMENDMENT OF — WAIVER OF OBJECTION — APPEAL TO COURT OF APPEALS.

Where C. was permitted to amend his preliminary statement and no objection was made to the evidence introduced under the amended statement, *Held* on appeal to the court from decisions awarding priority to C. that the point had been waived.

2. SAME—SAME—SAME.

Where on an appeal to the court from a decision awarding priority to C., the principal contention of S. related to the ruling of the Patent Office permitting C. to amend his preliminary statement, although S. himself had twice been permitted to amend his preliminary statement under circumstances similar to those surrounding C., and where there was no abuse of the discretion with which the statute clothes the Commissioner, the decision was affirmed.

APPEAL from Patent Office. Reversed.

*Mr. Wm. W. Dodge* for Saunders.

*Mr. F. W. Harris* for Campbell.

Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

ROBB, *J.*:

Appeal from concurrent decisions of the Patent Office tribunals in an interference proceeding awarding priority to the senior party, Campbell.

The principal contention of appellant here relates to the ruling of the Patent Office permitting appellee to amend his preliminary statement. There are two answers to this contention: First, there was no objection to the evidence introduced under the amended statement, and hence the point was waived; and, second, even though appellant were in a position to insist upon the point here, the result would be the same, for under the facts before the Patent Office and fully set forth in the decisions of its tribunals there was no abuse of the discretion with which the statute clothes the Commissioner. See *Myers* v. *Myers*, 336 O. G., 511; Patent Appeal No. 1694, present term. Moreover, appellant twice was permitted to amend his preliminary statement under circumstances substantially similar to those surrounding the appellee.

Finding no error in the record, we affirm the decision.

Affirmed.

## PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

635,429, Culmer & Culmer, Manufacture of asphaltic fluxes; 635,430, same, Asphaltic fluxes, appeal filed July 3, 1925, C. C. A. (7th Cir.), Doc. 3614, *Barber Asphalt Paving Co.* v. *Standard Asphalt & Rubber Co.*

635,430. (See 635,429.)

898,437, S. Cohn, Process for manufacturing incandescent gas mantles, final decree sustaining patent and granting injunction Aug. 3, 1925, D. C., S. D. N. Y., Doc. E 29/35, *Mantle Machinery & Patents Co.* v. *Weiss & Biheller, Inc.*, and same decree (notice dated Aug. 4, 1925), D. C., S. D. N. Y., Doc. E 29/36, *Mantle Machinery & Patents Co.* v. *Buschman, Weissberg & Co., Inc.*, and same decree, D. C., S. D. N. Y. Doc. E 29/37, *Mantle Machinery & Patents Co.* v. *H. Freedman* (*Beacon Sales Co.*)

946,442, E. R. Johnson, Cabinet for talking machine; 1,402,738, J. B. Browning, Talking-machine cabinet and amplifier, order affirming decree of lower court (notice dated July 29, 1924), C. C. A. (3d Cir.), Doc. 3179, *Brunswick-Balke-Collender Co. et al.* v. *Victor Talking Machine Co.*

958,478, W. E. Davey, Process of reenforcing trees, suit filed Aug. 3, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1604, *The Davey Tree Expert Co.* v. *H. G. Kilb.*

1,074,720, H. Honigmann, Automatic feeding device for printing press, orders affirming decree of lower court (notice dated July 29, 1925), C. C. A. (3d Cir.), Doc. 3209, *Miehle Printing Press & Mfg. Co. et al.* v. *Miller Saw Trimmer Co.*, and Doc. 3210, *Miller-Saw Trimmer Co.* v. *Miehle Printing Press & Mfg. Co. et al.*

1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps, etc., consent decree sustaining patent and granting injunction (notice dated July 30, 1925), D. C., S. D. N. Y., Doc. E 32/130, *General Electric Co.* v. *Filament Export Corp. et al.*

1,113,149, E. H. Armstrong, Wireless receiving system, decree of lower court affirmed (notice dated July 29, 1925), C. C. A. (3d Cir.), Doc. 3065, *Radio Craft Co., Inc. et al.* v. *Westinghouse Electric & Mfg. Co.*

1,125,935, 1,172,864, 1,212,175, 1,256,102, 1,258,302, 1,274,369, 1,294,755, V. Bendix, Engine starter, suit filed June 9, 1925, D. C., E. D. N. Y., Doc. 2185, *Eclipse Machine Co.* v *Wellworth Auto Supply Co., Inc.*

1,141,073, C. H. Parks Magnetic brad set, suit filed July 29, 1925, D. C., E. D. Mich. (S. Div.), Doc. 1113, *The Electrical Appliance Mfg. Co.* v. *J. M. Waterston.*

1,146,771, T. E. Raffel, Machine for manufacturing double-faced corrugated board, Consent decree for plaintiff June 25, 1925, D. C., E. D. N. Y., Doc. 2173, *Corrugating Machinery Corp. et al.* v. *Progressive Corrugated Paper Machinery Co.*

1,161,094, J. A. Werner, Cash register; 1,394,256, F. L. Fuller, same; 1,232,705, H. A. Martin, Multiple counter cash register, decree of lower court affirmed (notice dated July 29, 1925), C. C. A. (3d Cir.), Doc. 3144, *National Cash Register Co.* v. *Remington Arms Co., Inc.*

1,172,864. (See 1,125,935.)

1,212,175. (See 1,125,935.)

1,232,705. (See 1,161,094.)

1,244,216, I. Langmuir, Electron-discharge apparatus and method of preparation; 1,244,217, same, Electron-discharge apparatus and method of operating same; 1,529,597, same, Electron-emitting device and method of preparation, consent decree sustaining patents and granting injunction Aug. 5, 1925, D. C., S. D. N. Y., Doc. E 32/188, *General Electric Co.* v. *Filament Export Corp. et al.*

1,244,217. (See 1,244,216.)

1,256,102. (See 1,125,935.)

1,256,839, A. C. Soule, Window mounting, suit filed July 31, 1925, D. C., N. D. Calif, Doc. E 1526, *Simplex Window Co.* v. *Vincent Whitney Co. et al.*

1,258,302. (See 1,125,935.)

1,274,369. (See 1,125,935.)

1,294,755. (See 1,125,935.)

1,329,174, W. R. Green, Extra-tire carrier, final decree pro confesso July 6, 1925, D. C., E. D. N. Y., Doc. 2102, *W. R. Green* v. *J. J. Curran.*

1,345,073, E. L. Clark, Headlight, decree of lower court affirmed (notice dated July 29, 1925), C. C. A. (3d Cir.), Doc. 3215, *Columbia Lens Co. et al.* v. *L. E. Smith Glass Co.*

1,373,108, Stoehrer & Stoehrer, Amusement apparatus, decree of lower court affirmed (notice dated July 29, 1925), C. C. A. (3d Cir.), Doc. 3262, *Stoehrer & Pratt Dodgem Corp.* v. *Lusse Bros.*

1,394,256. (See 1,161,094.)

1,402,738. (See 948,442.)

1,419,634, F. Koewing, Pattern for garments, suit filed Aug. 1, 1925, D. C., S. D. N. Y., Doc. E 33/15, *F. Koewing* v. *The Pictorial Review Co.*

1,423,956, Mitchell & White, Tipless incandescent lamp and similar article, consent decree sustaining patent and granting injunction July 29, 1925, D. C., S. D. N. Y., Doc. E 32/129, *General Electric Co.* v. *Filament Export Corp. et al.*

1,482,685, Jaffe & Kanner, Pad, suit filed Aug. 5, 1925, D. C., S. D. N. Y., Doc. E 33/24, *Crescent Bandeau Co., Inc.*, v. *De Leon Bandeau Co., Inc.*

1,499,166, G. S. Frazier, Chair seat pad or cushion, final decree, bill dismissed June 26, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1308, *G. S. Frazier* v. *The Miller Rubber Co.*

1,501,032, M. Abrahams, Acoustic horn, suit filed June 29, 1925, D. C., E. D. N. Y., Doc. 2194, *M Abrahams* v. *Universal Wire Co.*

1,529,597. (See 1,244,216.)

1,533,858, L. A. Hazeltine, Method and means for neutralizing capacity coupling in audions, suit filed June 16, 1925, D. C., E. D. N. Y., Doc. 2187, *Hazeltine Corp. et al.* v. *A. H. Grebe & Co., Inc.*

1,538,326, E. A. Hines, Fruit-cake composition, suit filed July 31, 1925, D. C., N. D. Calif., Doc. E 1527, *E. A. Hines* v. *S. Elliger et al.* (*The Ideal Fruit Cake Co.*).

Re. 15,401, L. S. Van Westrum, Making roads, appeal filed May 7, 1925, C. C. A. (3d Cir.), Doc. 3350, *Bituminous Products Co. et al.* v. *Headley Good Roads Co.*

Des. 67,031, S. Haskell, Doll or similar article, suit filed June 9, 1925, D. C., E. D. N. Y., Doc. 2186, *Mutual Novelty Corp.* v. *E. Goldberger.*

Des. 67,104, P. Siptrott, Lighting-fixture part, consent decree sustaining patent and granting injunction July 30, 1925, D. C., S. D. N. Y., Doc. E 32/209, *Consolidated Art Metal Foundry Inc.* v. *G. Murad.*

T. M. 89,613, Beech Nut Packing Co., Pork products, including ham, sausage, beans, etc., appeal filed Dec. 7, 1924, C. C. A. (3d Cir.), Doc. 3282, *Beech Nut Packing Co.* v. *P. Lorillard Co.*

T. M. 130,566, T. M. 160,277, Rosenberg Bros. & Co., Men's coats, vests, pants, etc.; T. M. 131,225, same, Men's clothing, appeal filed Feb. 18, 1925, C. C. A. (3d Cir.), Doc. 3322, *Rosenberg Bros. & Co.* v. *J. F. Elliott.*

T. M. 131,225. (See T. M. 130,566.)

T. M. 160,277. (See T. M. 130,566.)

# TRADE-MARKS

## OFFICIAL GAZETTE, OCTOBER 20, 1925.

[VOL. 339. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 190,516. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ARTHUR MERRICK PADMORE, Minneapolis, Minn. Filed Jan. 7, 1924.

PADMORE'S PALACE

**WOODO SEALO**

No claim is made to the surname "Padmore's" apart from the mark as shown in the drawing.

*Particular description of goods.*—Liquid Oil Stain and Filler for Wood.

*Claims use* since on or about May 1, 1917.

Ser. No. 192,218. (CLASS 37. PAPER AND STATIONERY.) NATIONAL CARDOSCOPE CO., INC., San Francisco, Calif. Filed Feb. 18, 1924.

**JIFFY JOT**

*Particular description of goods.*—Self-Erasing Memorandum Pads.

*Claims use* since April, 1923.

Ser. No. 194,723. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE LIVERPOOL BORAX CO. LTD., Liverpool, England. Filed Mar. 31, 1924.

**VEEVIC**

*Particular description of goods.*—Soap and Cleaning Powder.

*Claims use* since July 26, 1917.

Ser. No. 194,728. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLNER DAIRY COMPANY, Norfolk, Va. Filed Mar. 31, 1924.

**CHOCOL-LAC**

*Particular description of goods.*—Food Product Containing Sugar and Milk and a Food Product Containing Cocoa, Sugar, and Milk.

*Claims use* since July 21, 1921.

Ser. No. 196,432. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHEMISCHE FABRIK PÖTT & CO., Dresden, Germany. Filed May 2, 1924.

**POSAVON**

*Particular description of goods.*—Soaps and Purification and Washing Powders.

*Claims use* since June, 1923.

Ser. No. 197,406. (CLASS 37. PAPER AND STATIONERY.) AMERICAN SALES BOOK COMPANY, LIMITED, Toronto, Canada, and Niagara Falls and Elmira, N. Y. Filed May 22, 1924.

No claim is made to the exclusive use of the word "Interfolded" or to the picture of the goods apart from the mark shown.

*Particular description of goods.*—Paper Sheets, Strips, Rolls, Pads, and the Like Suitable for Manifolding Use; Printed Forms for All Kinds of Business Transactions; Separate Paper Record Sheets or Strips Assembled Together in Pad Form; Folded Paper Record Receiving Strips, Especially Two or More Zigzag-Folded Strips Assembled and Interengaging Each Other to Form a Manifolding Book or Pad of Superposed Record Leaves Providing a Flat Compact Record Supply Pad or Book for Autographic Registers, Typewriters, and Like Machines; Sales Checks, Sales Books, Sales Slips, Book Leaves, Letter Sheets, Invoice Sheets, Billing Sheets.

*Claims use* since June 20, 1923.

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Ser. No. 198,654. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOS ANGELES SOAP COMPANY, Los Angeles, Calif. Filed June 16, 1924.

Applicant states that the term "For Every Personal Use" and the word "Mission" appearing on drawing is intended to apply in this registration only in connection with the mark shown in drawing.

*Particular description of goods.*—Soap.

*Claims use* since Mar. 5, 1924.

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Ser. No. 200,342. (CLASS 37. PAPER AND STATIONERY.) ROCKWELL-BARNES COMPANY, Chicago, Ill. Filed July 21, 1924.

CORPORATE BOND

No claim is made to the word "Bond" except in connection with the mark as shown in the drawing.

*Particular description of goods.*—Typewriter Paper.

*Claims use* since June 15, 1922.

Ser. No. 200,344. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ST. CLAIRS' (INC.), Boston, Mass. Filed July 21, 1924.

St. Clair's

*Particular description of goods.*—Confectionery—Namely, Candies, Sweetmeats, Candied Fruits, Bonbons, Caramels, Chocolates, and Comfits; Ices, Ice Cream, and Nonalcoholic Soda-Fountain Beverages, Prepared With Ice Cream and Food Preparations.

*Claims use* since 1890.

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Ser. No. 200,403. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOORMAN MFG. CO., Quincy, Ill. Filed July 23, 1924.

It Pays

*Particular description of goods.*—Prepared Stock Feed.

*Claims use* since May 25, 1922.

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Ser. No. 201,034. (CLASS 39. CLOTHING.) IVORY GARTER COMPANY, New Orleans, La. Filed Aug. 6, 1924.

ARTERY GUARDERS

*Particular description of goods.*—Hose Supporters.

*Claims use* since January, 1924.

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Ser. No. 201,288. (CLASS 12. CONSTRUCTION MATERIALS.) DECATUR BRICK MFG. CO., Decatur, Ill. Filed Aug. 12, 1924.

ROYAL HA-SIER

*Particular description of goods.*—Bricks.

*Claims use* since Jan. 1, 1919.



Ser. No. 201,782. (CLASS 39. CLOTHING.) THE TAYLOR BRAMLEY COMPANY, Chicopee, Mass. Filed Aug. 22, 1924.

*Particular description of goods.*—Infants' and Children's Clothing—Namely, Knitted Shirts, Knickers, and Bellybands.

*Claims use* since June 1, 1924.

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Ser. No. 201,933. (CLASS 25. LOCKS AND SAFES.) MOTOR EQUIPMENT MANUFACTURERS, INC., New York, N. Y. Filed Aug. 27, 1924.

No claim is made to the three pictures of the goods apart from the mark shown on the drawing.

*Particular description of goods.*—Locking Radiator Caps.

*Claims use* since Dec. 4, 1923.

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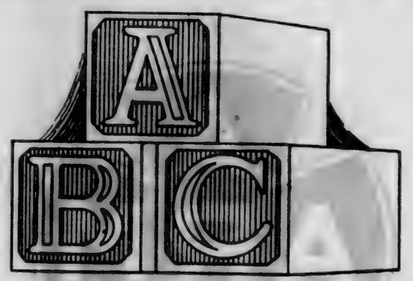
Ser. No. 203,330. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM RUEHL, Milwaukee, Wis. Filed Oct. 2, 1924.

Applicant disclaims the words "Real Quality" apart from the mark as shown in the drawing.

*Particular description of goods.*—Coffee, Cinnamon, Cloves, Pepper, Allspice, and Vanilla, a Food-Flavoring Extract; Dill Pickles, Tomato Catchup, Stuffed Queen Olives, Queen Olives, Horse-Radish, Prepared Mustard, Butter, and Eggs.

*Claims use* since Sept. 15, 1924.

Ser. No. 203,773. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE A. B. C. STORES, INCORPORATED, Houston, Galveston, and Beaumont, Tex. Filed Oct. 13, 1924.




The lining of the drawing is for shading and does not indicate color.

*Particular description of goods.*—Eggs and Coffee.

*Claims use* since July, 1919.

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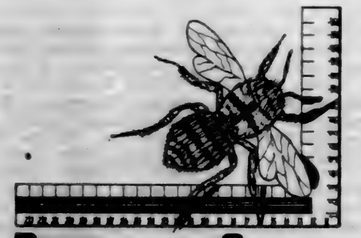
Ser. No. 204,115. (CLASS 39. CLOTHING.) JOHN L. POWERS, Indianola, Iowa. Filed Oct. 18, 1924.



BE ON THE SQUARE
CLOTHES
POWERS

No claim is made to the words "Clothes" and "Powers."

*Particular description of goods.*—Men's and Boys' Suits and Overcoats.

*Claims use* since Oct. 7, 1924.

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Ser. No. 204,424. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAROLD M. ROURK, doing business as Country Club Produce Company, Kansas City, Mo. Filed Oct. 25, 1924.

*Particular description of goods.*—Thousand Island Dressing and Sandwich Spread Containing Mayonnaise, Ground Olives, Ground Pickles, Eggs, Vinegar, Spices, and Salt.

*Claims use* since Apr. 1, 1924.

Ser. No. 204,462. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR R. MAAS, doing business as A. R. Maas Chemical Co., Los Angeles, Calif. Filed Oct. 27, 1924.

*Particular description of goods.*—Sodium Hyposulphate; Sodium Carbonate, Anhydrous; Sodium Carbonate, Granular; Sodium Carbonate, Monohydrate; Sodium Sulphite, Sodium Bisulphite, Sodium Metabisulphite, Potassium Metabisulphite, Sodium Bicarbonate, Sodium Sesqicarbonate, Sal Soda, Precipitated Sulphur, Lac Sulphur, Colloidal Sulphur, Colloidal Sulphur Paste, Soluble Sulphur, Water Reagent, Boiler Compound, Water Softener, Carbon Black, Colloidal Carbon, Activated Carbon, Decolorizing Carbon, Caustic-Soda Solution, Saponified Creosote Known as "Sheep Dip"; Liquid Lice Killer, a Solution of Sodium Hypo-Chlorite Containing Five Per Cent of Available Chlorine; Sheep Dip, Fly-Spray, Disinfectants, Crude Carbolic Acid, Creosote, Insecticides, Fungicides, Disinfecting Sprays, Iron Oxide, Gas-Purifying Material, Photographic Developer, Photographic Chemicals; Essential Oils—Namely, Oil of Peppermint; Headache Remedy.
*Claims use* since January, 1917.

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Ser. No. 205,118. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GRIFFIN MANUFACTURING CO. INC., New York, N. Y. Filed Nov. 11, 1924.

GRIFFIN

QUICK CLEANING FLUID

No claim is made to the exclusive use of the words "Quick Cleaning Fluid" except in association with the other features of the mark.
*Particular description of goods.*—Cleaning Fluid.
*Claims use* since 1914.

Ser. No. 206,102. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE BELDAM PACKING & RUBBER COMPANY LIMITED, London, England. Filed Dec. 2, 1924.

"Beldam's" and the name of the firm appearing on the drawing being disclaimed.
*Particular description of goods.*—Packings of All Kinds (Including Jointings in the Nature of Packing) for Engines or Machines for Preventing the Escape of Steam or Other Fluids Between the Working Parts of Same and for Inserting Between Stationary Joints; Hose; India-Rubber, Gutta-Percha, and Balata Valves, and Rings and Washers in the Nature of Packing and of Rubber, Leather, or Like Material.
*Claims use* since 1922.

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Ser. No. 206,366. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PIEDMONT CREAMERY COMPANY, INCORPORATED, The Plains, Va. Filed Dec. 6, 1924.

"Meadow Queen"

BUTTER

No claim is made to the exclusive use of the word "Butter."
*Particular description of goods.*—Butter.
*Claims use* since Nov. 1, 1924.

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Ser. No. 207,365. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. JELKE COMPANY, Chicago, Ill. Filed Dec. 29, 1924.

Defiance

*Particular description of goods.*—Oleomargarine.
*Claims use* since Feb. 1, 1911.



Ser. No. 207,378. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. JELKE COMPANY, Chicago, Ill. Filed Dec. 29, 1924.

DERBY

*Particular description of goods.*—Oleomargarine.
*Claims use* since Feb. 1, 1911.

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Ser. No. 208,163. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. & R. SCOTT, LIMITED, Colinton, Midlothian, Scotland. Filed Jan. 15, 1925.

All wording is disclaimed apart from the mark as shown on the drawing.
*Particular description of goods.*—Prepared Oats for Food.
*Claims use* since Aug. 25, 1924.

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Ser. No. 208,285. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE EAGLE WOODENWARE MANUFACTURING COMPANY, Hamilton, Ohio. Filed Jan. 19, 1925.

Eagle

*Particular description of goods.*—Mop Wringers.
*Claims use* since Nov. 1, 1899.

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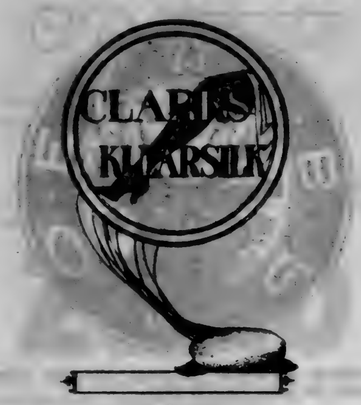
Ser. No. 208,431. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) ADOLPHE SCHLOSS FILS & CIE., Paris, France. Filed Jan. 21, 1925.

Berthonetts

*Particular description of goods.*—Vases, Plates, Cups, Saucers, Bowls, Pitchers, Flower Holders, Flowerpots, Pedestals, and Steins Made of Crockery.
*Claims use* since Dec. 1, 1924.

Ser. No. 208,560. (CLASS 39. CLOTHING.) JOSEPH H. CLARK, San Francisco, Calif. Filed Jan. 24, 1925.




*Particular description of goods.*—Men's, Women's, and Children's Hosiery.
*Claims use* since about Jan. 15, 1924.

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Ser. No. 208,578. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) DIXIE METAL PRODUCTS CO., Birmingham, Ala. Filed Jan. 24, 1925.

DIXIE

*Particular description of goods.*—Metal Cabinets for Radiators, Hot-Air Registers, and Heaters.
*Claims use* since January, 1920.

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Ser. No. 209,327. (CLASS 37. PAPER AND STATIONERY.) THE WHITAKER PAPER COMPANY, Cincinnati, Ohio. Filed Feb. 9, 1925.

TROJAN

*Particular description of goods.*—Writing Paper, Ledger Paper, and Bond Paper.
*Claims use* since July, 1903.

Ser. No. 209,621. (CLASS 38. PRINTS AND PUBLICATIONS.) BENEVOLENT AND PROTECTIVE ORDER OF ELKS OF THE UNITED STATES OF AMERICA, New York, N. Y. Filed Feb. 16, 1925.

*Particular description of goods.*—Monthly Magazine.
*Claims use* since June 1, 1922.

Ser. No. 210,214. (CLASS 37. PAPER AND STATIONERY.) AMERICAN SALES BOOK COMPANY, LIMITED, Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y. Filed Feb. 27, 1925.

Amsaboco

*Particular description of goods.*—Paper Sheets, Strips, Rolls, Pads, and the Like Suitable for Manifolding Use; Printed Forms for All Kinds of Business Transactions, Separate Paper Record Sheets or Strips Assembled Together in Pad Form; Folded Paper Record Receiving Strips, Especially Two or More Zigzag-Folded Strips Assembled and Interengaging Each Other to Form a Manifolding Book or Pad of Superposed Record Leaves Providing a Flat, Compact Record Supply Pad or Book for Autographic Registers, Typewriters, and Like Machines; Sales Checks, Sales Slips, Sales Books, Book Leaves, Letter Sheets, Invoice Sheets, Billing Sheets.
*Claims use* since November, 1912.

Ser. No. 210,923. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) PHOENIX HORSE SHOE COMPANY, Chicago, Ill. Filed Mar. 12, 1925.

The drawing is lined to indicate the color red. The representation of a keg in the drawing is disclaimed apart from the mark shown. The mark consists of a zone of red color on the wood staves between the metal bands at one or both ends.
*Particular description of goods.*—Horseshoes.
*Claims use* since Nov. 1, 1923.

Ser. No. 211,117. (CLASS 12. CONSTRUCTION MATERIALS.) NATIONAL MILL & LUMBER COMPANY, San Francisco, Calif. Filed Mar. 16, 1925.

Exclusive use of the words "Cabinet Ironing Board" is disclaimed apart from the mark shown.
*Particular description of goods.*—Cabinet Ironing Boards of the Type to be Fitted into the Wall so as to Become a Part Thereof.
*Claims use* since Oct. 1, 1919.

Ser. No. 211,169. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DERIAS M. HUGHES, doing business as Dr. D. M. Hughes Medicine Company, Bonanza, Ky. Filed Mar. 17, 1925.

Dr. D. M. Hughes D. V. S.

The portrait is that of applicant, and the name is a facsimile of applicant's signature. No claim is made to the mere name apart from the manner written.
*Particular description of goods.*—Veterinary Preparations for the Treatment of Blisters, Burns, Colic, Coughs, Colds, Distemper, Fistulas, Gall Disorders, Kidney Troubles, Stomach and Bowel Disorders, Dips, Eyewash, Healing Oil, Liniment, Stock Tonic, and Insect Powders; Preparations for Human Beings—Namely, General Tonics, Liver Pills, Aspirin, Cough Sirup, Healing Salves, Toothache Drops, Eye Wash, Healing Oil, Gall Medicine, and Liniments.
*Claims use* since Sept. 15, 1924.

Ser. No. 211,649. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WORLD BESTOS CORPORATION, New York, N. Y. Filed Mar. 25, 1925.

WORLD BESTOS

*Particular description of goods.*—Transmission, Brake, and Friction Linings.
*Claims use* since on or about Oct. 15, 1924.



Ser. No. 211,782. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) YOUNG & SULLIVAN, Pontiac, Mich. Filed Mar. 26, 1925.

YOUNG'S

BEAUTI-GLOSS

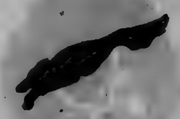
No claim is made to the word "Young's" appearing on the drawing apart from the mark as shown.
*Particular description of goods.*—Auto and Furniture Polish and Reminher.
*Claims use* since Mar. 1, 1925.

Ser. No. 211,825. (CLASS 32. FURNITURE AND UPHOLSTERY.) LILLIAN M. BENDER, San Francisco, Calif. Filed Mar. 30, 1925.

KLOTHES
WONDER
PROTEKTOR

Trade-mark comprises the word "Wonder" inclosed within an oval with the words "Clothes" and "Protector" phonetically spelled and combined with the word "Wonder" and arranged in the manner shown. The words "Klothes' and "Protektor" are disclaimed except in connection with the word "Wonder" as shown.
*Particular description of goods.*—Clothes Racks.
*Claims use* since Feb. 19, 1925.

Ser. No. 212,043. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HANS RENOLD LIMITED, Didsbury, near Manchester, England. Filed Apr. 1, 1925.



*Particular description of goods.*—Driving Chains.
*Claims use* since Nov. 1, 1923.

Ser. No. 212,067. (CLASS 39. CLOTHING.) BROWN & COBB, INCORPORATED, Boston, Mass. Filed Apr. 2, 1925.

DILLYGRAY

*Particular description of goods.*—Leather Insoles and Leather Shoe Linings.
*Claims use* since Mar. 20, 1925.

Ser. No. 212,149. (CLASS 12. CONSTRUCTION MATERIALS.) P. REUTER-LORENTZEN, Detroit, Mich. Filed Apr. 3, 1925.

Brickote.

*Particular description of goods.*—Plastic Compound for Coating Brick and Tiles, Fireplaces, and Mantels.
*Claims use* since May 1, 1924.

Ser. No. 212,175. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CRESCENT LABORATORIES, Norristown, Pa. Filed Apr. 4, 1925.

ZERO

*Particular description of goods.*—Nonalcoholic, Maltless Beverage and Sirups and Concentrates.
*Claims use* since about Mar. 1, 1925.

Ser. No. 212,224. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALAMO PACKING CO., Heber and Los Angeles, Calif. Filed Apr. 6, 1925.

ALAMO

*Particular description of goods.*—Fresh Vegetables—Namely, Fresh Onions, Fresh Cucumbers, Fresh Eggplant, and Fresh Lettuce.
*Claims use* since 1916.

Ser. No. 212,272. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Filed Apr. 6, 1925.

BRITTLE-BITS

No claim is made to the word "Brittle" apart from the mark shown in the drawing.
*Particular description of goods.*—Candy.
*Claims use* since March, 1925.

Ser. No. 212,340. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MARS-STONE MANUFACTURING COMPANY, Haddonfield, N. J. Filed Apr. 7, 1925.

Klay-Kraft

No claim is made to the word "Klay" apart from the mark as shown.
*Particular description of goods.*—Art Clay.
*Claims use* since on or about Mar. 16, 1925.

Ser. No. 212,435. (CLASS 12. CONSTRUCTION MATERIALS.) HARRISON WHITE, INC., New York, N. Y. Filed Apr. 9, 1925.

PLASTIC WOOD

No claim is made to the word "Plastic" except in the association shown in drawing.

*Particular description of goods.*—Plastic Preparation Composed Chiefly of Cellulose and Sold as a Substitute for Wood and Used in Glazing Operations and Similar Work of House Construction.

*Claims use* since Sept. 18, 1924.

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Ser. No. 212,773. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN BLOWER COMPANY, Detroit, Mich. Filed Apr. 16, 1925.

"Sirocco" TRADE MARK

The exclusive right to the word "Trade-Mark" is disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Centrifugal Fans, Centrifugal Pumps, Propeller Fans, Blowers, Tuyères, Tobacco-Curing Machinery, Pneumatic Conveyers, Apparatus for Moistening Substances, Apparatus for Drying Substances, Apparatus for Moistening or Humidifying Air or Gases, Apparatus for Drying or Dehumidifying Air or Gases, Apparatus for Filtering Air or Gases, Apparatus for Cooling Air or Gases, Apparatus for Conditioning Air or Gases, and Dust Separators, Fluid-Pressure Motor Engines, Including Turbine Motors.

*Claims use* since prior to 1880.

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Ser. No. 212,838. (CLASS 2. RECEPTACLES.) STERMAR DISPLAYS CO., Chicago, Ill. Filed Apr. 16, 1925.

THIRST AID

*Particular description of goods.*—Empty Cardboard Cartons.

*Claims use* since Feb. 1, 1925.

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Ser. No. 212,922. (CLASS 37. PAPER AND STATIONERY.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed Apr. 18, 1925.

Strongfold MAILING ENAMEL

No claim is made for the words "Mailing Enamel."

*Particular description of goods.*—Book Paper.

*Claims use* since Nov. 1, 1914.

Ser. No. 212,924. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLAYTON W. HOOKER, Los Angeles, Calif. Filed Apr. 18, 1925.

TERMINAL

*Particular description of goods.*—Fresh Deciduous Fruits, Fresh Citrous Fruits, Fresh Vegetables, Melons—Namely, Watermelons, Cantaloupes, and Casabas; and Fresh Grapes.

*Claims use* since Feb. 15, 1925.

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Ser. No. 212,990. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ARMSTRONG-BLUM MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 20, 1925.

MARVEL

*Particular description of goods.*—Hack Sawing Machines, Band Sawing Machines, Metal-Punching Machines, Metal-Shearing Machines, Metal-Bending Machines, Drill-Press Vises, Hack-Saw Blades, Band-Saw Blades, Rod-Cutting Machines, Metal Hand Punches, Portable Metal-Punching Machines, and Bench Metal-Punching Machines.

*Claims use* since 1905.

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Ser. No. 213,009. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THOMAS L. CUMMINGS, doing business as Chirpoo Chemical Company, Houston, Tex. Filed Apr. 20, 1925.

CHIRP'OO

*Particular description of goods.*—Toilet Soaps and Shampoo Soaps.

*Claims use* since Aug. 1, 1924.

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Ser. No. 213,206. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEONA H. THURBER, Los Angeles, Calif. Filed Apr. 23, 1925.

The portrait is that of applicant.

*Particular description of goods.*—Face Pack in the Form of Powder, Face Powder, Face Tonic in the Form of Liquid, and Eye Pack in the Form of Powder.

*Claims use* since Mar. 21, 1925.



Ser. No. 213,014. (CLASS 2. RECEPTACLES.) ROBERT WINFIELD MUDGE, doing business as Kol-O-Heat Mfg. Co., Detroit, Mich. Filed Apr. 25, 1925.

Kol-O-Heat

*Particular description of goods.*—Electrically Insulated Receptacles in Which Receipts and Milk Bottles May Be Deposited.

*Claims use* since Aug. 1, 1924.

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Ser. No. 213,287. (CLASS 42. MUSICAL AND SCIENTIFIC APPLIANCES.) COLUMBIA PICTURES CORPORATION, New York, N. Y. Filed Apr. 28, 1925.

No claim is made to the words "Columbia Pictures Corporation" except as used in conjunction with the other features of the mark.

*Particular description of goods.*—Moving Pictures.

*Claims use* since Feb. 1, 1924.

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Ser. No. 213,326. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ANDERSON, DOOLITTLE & DOOLITTLE, Yakima, Wash. Filed May 5, 1925.

Applicant disclaims the right to the use of the representation of a brake band apart from the mark as shown in the drawing.

*Particular description of goods.*—Brake Liners.

*Claims use* since Feb. 1, 1925.

Ser. No. 213,855. (CLASS 39. CLOTHING.) C. D. OSBORN CO., Chicago, Ill. Filed May 5, 1925.

BOULEVARD

*Particular description of goods.*—Mittens and Gloves of Leather, Rubber, and Fabric, of Leather and Rubber, of Leather and Fabric, and Rubber and Fabric.

*Claims use* since Apr. 21, 1925.

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Ser. No. 213,856. (CLASS 39. CLOTHING.) C. D. OSBORN CO., Chicago, Ill. Filed May 5, 1925.

PARKWAY

*Particular description of goods.*—Mittens and Gloves of Leather, Rubber, and Fabric, of Leather and Fabric, of Leather and Rubber, and Rubber and Fabric.

*Claims use* since Apr. 21, 1925.

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Ser. No. 213,858. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) J. L. PRESCOTT COMPANY, New York, N. Y. Filed May 5, 1925.

Trade A ONE A 1 Mark IRON ENAMEL

No claim is made to the exclusive use of the words "Trade-Mark", "Iron Enamel" and "A One A 1" apart from the mark shown in the drawing.

*Particular description of goods.*—Paint Enamel.

*Claims use* since Apr. 20, 1925.

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Ser. No. 213,863. (CLASS 39. CLOTHING.) Ismon Straus, doing business as National Petticoat Manufacturing Co., New York, N. Y. Filed May 5, 1925.

KANT KRAWL

No claim is made to the words "Kant Krawl" except in the form and association shown.

*Particular description of goods.*—Knitted and Woven Men's and Women's Underwear, Specifically Covering the Following: Vests, Bloomers, Step-Ins, Princess Slips, Petticoats, Pantalets, Union Suits, and Envelope Chemises.

*Claims use* since Jan. 10, 1925.

Ser. No. 213,886. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BAKER PAINT & VARNISH CO., also doing business as Communipaw Paint Works and Lafayette Paint Works, Jersey City, N. J. Filed May 6, 1925.

LAFAYETTE

The name "Lafayette" denotes the celebrated general, Marquis de Lafayette.

*Particular description of goods.*—Dry, Paste, and Ready-Mixed Paints.

*Claims use* since about Apr. 28, 1924.

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Ser. No. 213,922. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) RUBBER-ON-METAL WELDING CORPORATION, New York, N. Y. Filed May 6, 1925.

Run-O-Boards

No claim is made to the registration of the word "Boards" apart from the mark shown in the drawing.

*Particular description of goods.*—Automobile Running-Board Treads Made of Rubber and Metal.

*Claims use* since Dec. 12, 1924.

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Ser. No. 213,956. (CLASS 45. BEVERAGES, NON-ALCOHOLIC. DITTA GIUSEPPE ALBERTI, Benevento, Italy. Filed May 7, 1925.

The words "Stabilimento C. Alberti" and "Presso La Stazione Ferroviaria" are disclaimed apart from the mark shown.

*Particular description of goods.*—Maltless Beverage Sold as a Soft Drink and Containing Less Than One-half of One Per Cent Alcohol.

*Claims use* since July 1, 1924.

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Ser. No. 213,989. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARK & TILFORD, New York, N. Y. Filed May 7, 1925.

"Moon Man Pop"

No claim is made to the exclusive use of the word "Pop" being made apart from the mark as shown in the accompanying drawing.

*Particular description of goods.*—Candies.

*Claims use* since May 1, 1925.

Ser. No. 214,036. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed May 8, 1925.

No claim is made to the words "R. T. Vanderbilt Co., N. Y. American Products, Clay" apart from the distinctive design shown in drawing.

*Particular description of goods.*—Clay Used as a Raw Material Used in the Manufacture of China and Pottery and for Ceramic Purposes.

*Claims use* since Jan. 1, 1923.

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Ser. No. 214,070. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN WM. FRANZ, doing business as Franz Invention Company, St. Louis, Mo. Filed May 9, 1925.

The trade-mark consists of the word "Lass-a-ro" and the phrase "Echo of the Lasso." All other printed matter is disclaimed.

*Particular description of goods.*—Outdoor or Indoor Game Played With Stakes and Rings.

*Claims use* since about Feb. 1, 1925.

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Ser. No. 214,092. (CLASS 38. PRINTS AND PUBLICATIONS.) PARK LANE STUDIOS INC., New York, N. Y. Filed May 9, 1925.

Park Lane

*Particular description of goods.*—Photographs.

*Claims use* since Jan. 1, 1925.



Ser. No. 214,167. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KRUM BROS., New York, N. Y. Filed May 11, 1925.

"Demands"

*Particular description of goods.*—Vegetable Oil.

*Claims use* since Jan. 27, 1925.

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Ser. No. 214,345. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WIN-TONE SALES COMPANY, New York, N. Y. Filed May 14, 1925.

Win-tone

*Particular description of goods.*—General Medicinal Tonic.

*Claims use* since Jan. 3, 1925.

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Ser. No. 214,379. (CLASS 39. CLOTHING.) O'DONNELL SHOE COMPANY, St. Paul, Minn. Filed May 15, 1925.

ARCHOLD

*Particular description of goods.*—Shoes of Leather or Fabric and Having Soles of Leather or Rubber.

*Claims use* since Jan. 1, 1921.

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Ser. No. 214,453. (CLASS 37. PAPER AND STATIONERY.) AMERICAN SALES BOOK COMPANY, LIMITED, Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y. Filed May 18, 1925.

WIZPAKIT

*Particular description of goods.*—Paper Sheets, Strips, Rolls, Pads, and the Like Suitable for Manifolding Use; Printed Forms for All Kinds of Business Transactions, Separate Paper Record Sheets or Strips Assembled Together in Pad Form; Folded Paper Record Receiving Strips, Especially Two or More Zigzag-Folded Strips Assembled and Interengaging Each Other to Form a Manifolding Book or Pad of Superposed Record Leaves Providing a Flat Compact Record Supply Pad or Book for Autographic Registers, Typewriters, and Like Machines; Sales checks, Sales Slips, Sales Books, Book Leaves, Letter Sheets, Invoice Sheets, Billing Sheets.

*Claims use* since Apr. 14, 1925.

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Ser. No. 214,505. (CLASS 2. RECEPTACLES.) ALLEN C. SCOTT, doing business as Scott Mfg. Company, Omaha, Nebr. Filed May 18, 1925.

No claim is made to the word "Seal" Nor to the Representation of the Goods Apart from the Mark Shown.

*Particular description of goods.*—Shipping Containers Made of Laminations of Fiber Board and Canvas Used for Shipping Ice-Cream Cans Containing Ice Cream.

*Claims use* since Apr. 2, 1926.

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Ser. No. 214,547. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. GREENFIELD'S SONS, New York and Brooklyn, N. Y. Filed May 19, 1925.

*Particular description of goods.*—Candies and Chocolates.

*Claims use* since Apr. 16, 1925.

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Ser. No. 214,677. (CLASS 39. CLOTHING.) C. D. OSBORN CO., Chicago, Ill. Filed May 21, 1925.

WARMBILT

*Particular description of goods.*—Mittens and Gloves of Leather, Rubber, and Fabric, of Leather and Rubber, of Leather and Fabric, and of Rubber and Fabric.

*Claims use* since Jan. 17, 1921.

Ser. No. 214,718. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOWLER COMMISSION CO., INC., Shreveport, La. Filed May 22, 1925.

INDIAN MAID

The lining shown is used for shading purposes only.

*Particular description of goods.*—Wheat Self-Rising Flour.

*Claims use* since Jan. 1, 1915.

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Ser. No. 214,721. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LEO FRANKENFELD, Hoboken, N. J. Filed May 22, 1925.




No claim is made to the use of the word "Exerciser" apart from the mark as shown in the drawing.

*Particular description of goods.*—Exercising Apparatus Comprising a Floor Board on Which the User Stands and to Which Exercising Devices are Attached.

*Claims use* since May 18, 1925.

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Ser. No. 214,749. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHMAN & SAMUELS, New York, N. Y., and Brawley and Los Angeles, Calif. Filed May 22, 1925.

TRU-PAK

*Particular description of goods.*—Melons and Fresh Vegetables—Namely, Fresh Lettuce.

*Claims use* since December, 1924.

Ser. No. 214,823. (CLASS 12. CONSTRUCTION MATERIALS.) MYER J. RUBNICK, doing business as Fibre Products Company, Plymouth, Mass. Filed May 23, 1925.

Plasterite

*Particular description of goods.*—Plaster.

*Claims use* since Mar. 6, 1925.

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Ser. No. 214,937. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANKLIN P. WELLER, Washington, D. C. Filed May 26, 1925.

"NON-COM"

*Particular description of goods.*—A Preparation of Tripoli Used as Metal Polishers, Cleaners, and Burnishers.

*Claims use* since 1890.

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Ser. No. 215,034. (CLASS 39. CLOTHING.) UNITED STATES RUBBER COMPANY, New York, N. Y. Filed May 28, 1925.

No claim is made to the word "Davis" apart from the mark shown.

*Particular description of goods.*—Waterproof Coats Composed of Fabric and Rubber.

*Claims use* since May 6, 1925.



Ser. No. 215,105. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SUOMEN OSUUSKAUPPOJEN KESKUSKUNTA, R. L., Helsingfors, Finland. Filed May 29, 1925.

The words "Finest Quality," "Made in Finland," "60-Average," and "Impregnated Safety Matches" are disclaimed apart from the mark shown. No claim is made to the representation of the matches apart from the trade-mark as shown.

*Particular description of goods.*—Safety Matches.

*Claims use* since Aug. 8, 1923.

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Ser. No. 215,150. (CLASS 37. PAPER AND STATIONERY.) SAMUEL A. HARRIS, New York, N. Y. Filed June 1, 1925.

Tom Thumb

*Particular description of goods.*—Fountain Pens.

*Claims use* since Mar. 1, 1920.

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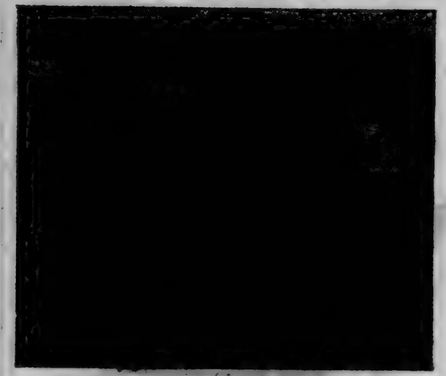
Ser. No. 215,161. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MAUSER-WERKE AKTIENGESELLSCHAFT, Oberndorf on the Neckar, Germany. Filed June 1, 1925.

The word "Mauser" is disclaimed apart from the mark shown by the drawing.

*Particular description of goods.*—Compasses, Patterns, Calipers, Angle and Inclination Measuring Micrometers, Triangles, Rules, Levels, Plumb Bobs, Slide Rules, Protractors, Dividers, Punch-Measuring Devices, Flexible Rules, Cast-Steel Rules, Vernier Calipers, Vernier Height Gauges, Micrometer Calipers, Standard End Measuring Gauges, Inside Micrometer Calipers, Standard Caliper Gauges, Adjustable Caliper Gauges, Standard Internal and External Cylindrical Gauges, and Thread Gauges.

*Claims use* since 1918.

Ser. No. 215,204. (CLASS 17. TOBACCO PRODUCTS.) LEONCIO MESQUERA, Philadelphia, Pa. Filed June 3, 1925.



No claim is made to the words "Monte Carlo," "Cigarillos Exquisitos," and "Sociedad Anonima" apart from the mark shown.

*Particular description of goods.*—Cigarettes.

*Claims use* since Apr. 1, 1925.

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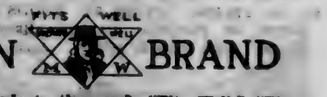
Ser. No. 215,285. (CLASS 39. CLOTHING.) MAX WEINROTH, Philadelphia, Pa. Filed June 3, 1925.




No claim is made to the words "Fits Well," "Wears Well," and "Brand" apart from the mark as shown. The portrait is that of William Penn.

*Particular description of goods.*—One and Two Piece Knitted and Textile Underwear, One and Two Piece Bathing Suits, and Hosiery for Men, Women, and Children.

*Claims use* since October, 1914.

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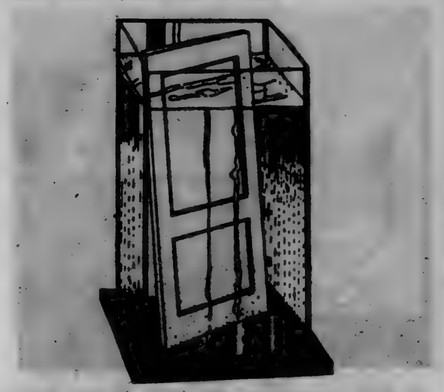
Ser. No. 215,328. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AJAX MOTORS COMPANY, Racine, Wis. Filed June 5, 1925.

The words "Six" and "Nash Built" are disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Motor Vehicles.

*Claims use* since Apr. 15, 1925.

Ser. No. 215,498. (CLASS 12. CONSTRUCTION MATERIALS. THE WHEELER, OSGOOD COMPANY, Tacoma, Wash. Filed June 8, 1925.



Representation of the door does not form a part of the mark sought to be registered apart from the mark shown in the drawing.

*Particular description of goods.*—Veneered, Laminated, or Built-up Doors.

*Claims use* since Feb. 4, 1925.

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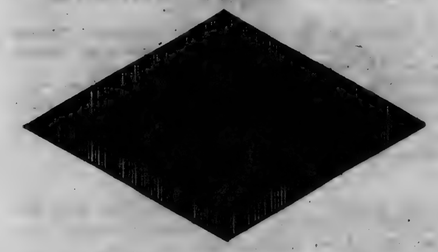
Ser. No. 215,504. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAMERON BROTHERS, Spokane, Wash. Filed June 9, 1925.



The lining shown on the drawing is for shading purposes only.

*Particular description of goods.*—Breads of All Kinds and a Compound of a Special Flour Mixture Used in the Making of Breads.

*Claims use* since Apr. 1, 1925.

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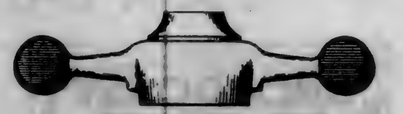
Ser. No. 215,602. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LAURENCE A. SWEET MANUFACTURING COMPANY, Los Angeles, Calif. Filed June 10, 1925.

The mark consists of coloring the tips of the laterally-extending arms of the radiator cap red, no claim being made to the representation of a radiator cap as shown in the drawing.

*Particular description of goods.*—Radiator Caps.

*Claims use* since April, 1923.

Ser. No. 215,603. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LAURENCE A. SWEET MANUFACTURING COMPANY, Los Angeles, Calif. Filed June 10, 1925.



The trade-mark consists of coloring the tips of the laterally-extending arms blue, no claim being made to the representation of a radiator cap as shown in the drawing.

*Particular description of goods.*—Radiator Caps.

*Claims use* since April, 1923.

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Ser. No. 215,604. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LAURENCE A. SWEET MANUFACTURING COMPANY, Los Angeles, Calif. Filed June 10, 1925.

The trade-mark consists of coloring the tips of the laterally-extending arms of the radiator cap green, no claim being made to the representation of the cap as shown in the drawing.

*Particular description of goods.*—Radiator Caps.

*Claims use* since May 1, 1925.

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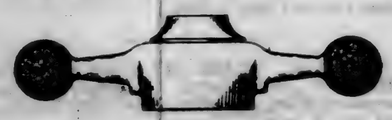
Ser. No. 215,605. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LAURENCE A. SWEET MANUFACTURING COMPANY, Los Angeles, Calif. Filed June 10, 1925.



The trade-mark consists of coloring the tips of the laterally-extending arms of the radiator cap yellow. No claim is made to the representation of a radiator cap as shown in the drawing.

*Particular description of goods.*—Radiator Caps.

*Claims use* since April, 1923.

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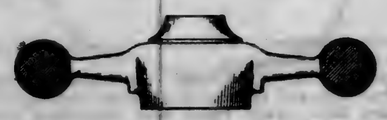
Ser. No. 215,606. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LAURENCE A. SWEET MANUFACTURING COMPANY, Los Angeles, Calif. Filed June 10, 1925.



The mark consists of coloring the tips of the laterally-extending arms of the radiator cap brown, no claim being made to the representation of a radiator cap as shown in the drawing.

*Particular description of goods.*—Radiator Caps.

*Claims use* since March, 1923.



Ser. No. 215,729. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed June 15, 1925.

ORLANDO

*Particular description of goods.*—Textile Articles—Namely, Hosiery.

*Claims use* since June 1, 1925.

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Ser. No. 215,755. (CLASS 12. CONSTRUCTION MATERIALS.) SAN ANTONIO PORTLAND CEMENT CO., San Antonio, Tex. Filed June 13, 1925.

The words "San Antonio Portland Cement Co." are disclaimed apart from the mark shown on drawing.

*Particular description of goods.*—Portland Cement.

*Claims use* since June 1, 1910.

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Ser. No. 215,892. (CLASS 15. OILS AND GREASES.) CARDINAL PETROLEUM COMPANY, Muskegon, Mich. Filed June 17, 1925.

Exclusive use of the word "Oils" is disclaimed. The color red indicated on the drawing is not a distinctive feature of the mark.

*Particular description of goods.*—Gasoline, Kerosene, Benzol, Lubricating Oils, and Lubricating Greases.

*Claims use* since May 20, 1922.

Ser. No. 215,946. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIOUX CANDY CO., Sioux City, Iowa. Filed June 17, 1925.

*Particular description of goods.*—Candy.

*Claims use* since January, 1922.

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Ser. No. 215,981. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HUNT, HELM, FERRIS & CO., Harvard, Ill. Filed June 18, 1925.

*Particular description of goods.*—Coaster Wagons, Scooters (or Skootems), Wheeled Vehicles Somewhat Similar to Wheeled Sleds or Toboggans and Ski Skooters or Sleds, Play Cars, Pedal Cars, and Pull Motors (a Toy Vehicle Propelled by the Arms of the Rider).

*Claims use* since Apr. 23, 1925.

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Ser. No. 216,025. (CLASS 32. FURNITURE AND UPHOLSTERY.) DIRECT MATTRESS COMPANY, Dallas, Tex. Filed June 19, 1925.

"Comfy-Down"

*Particular description of goods.*—Mattresses (Staple Cotton Felted and Mattresses Generally).

*Claims use* since May 15, 1923.

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Ser. No. 216,026. (CLASS 32. FURNITURE AND UPHOLSTERY.) DIRECT MATTRESS COMPANY, Dallas, Tex. Filed June 19, 1925.

Sell Sleep

*Particular description of goods.*—Mattresses (Staple Cotton Felted and Mattresses Generally).

*Claims use* since May 15, 1924.

Ser. No. 216,113. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NOTARI BROS., Scranton, Pa. Filed June 20, 1925.

WHITE BEAUTY

*Particular description of goods.*—Bread.
*Claims use* since Feb. 1, 1922.

Ser. No. 216,146. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) LEMAN CARRIER, Coquille, Oreg. Filed June 22, 1925.

Cocoos

*Particular description of goods.*—Grass Seed.
*Claims use* since Jan. 1, 1925.

Ser. No. 216,183. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOANNES CORPORATION, Los Angeles, Calif. Filed June 22, 1925.

FIESTA

*Particular description of goods.*—Coffee, Tea, Spices, and Food-Flavoring Extracts.
*Claims use* since 1903.

Ser. No. 216,348. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES MALAMUSIS, doing business as Famous Candy Co., Cordele, Ga. Filed June 24, 1925.

*Particular description of goods.*—Candy.
*Claims use* since June 1, 1925.

Ser. No. 216,370. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Filed June 24, 1925.

CAVEX

*Particular description of goods.*—Rubber Tires.
*Claims use* since Apr. 17, 1925.

Ser. No. 216,426. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ORANGE-WELL, INC., St. Louis, Mo. Filed June 25, 1925.

ORANGE WELL

No claim is made to the exclusive use of the word "Orange" apart from the mark shown in the drawing.
*Particular description of goods.*—Nonalcoholic, Maltless Beverage Prepared from Orange Juice and Sold as Soft Drink.
*Claims use* since May 28, 1925.

Ser. No. 216,477. (CLASS 39. CLOTHING.) RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed June 26, 1925.

8 O'CLOCK

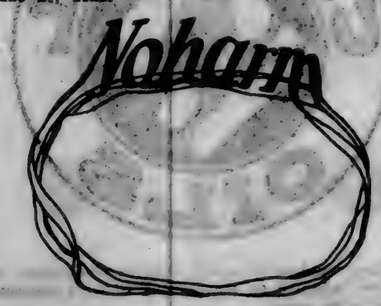
*Particular description of goods.*—Women's, Misses', and Children's Dresses and Aprons.
*Claims use* since June 19, 1925.

Ser. No. 216,521. (CLASS 39. CLOTHING.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed June 27, 1925.

FIELD SEVEN-FACT

*Particular description of goods.*—Men's Suits.
*Claims use* since Sept. 4, 1924.

Ser. No. 216,524. (CLASS 17. TOBACCO PRODUCTS.) CARL HENRY INCORPORATED, New York, N. Y. Filed June 27, 1925.




*Particular description of goods.*—Cigars, Cigarettes, and Smoking Tobacco.
*Claims use* since May 23, 1925.



Ser. No. 216,554. (CLASS 45. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) MCAVOY COMPANY, Chicago, Ill. Filed June 27, 1925.

Alma Mater

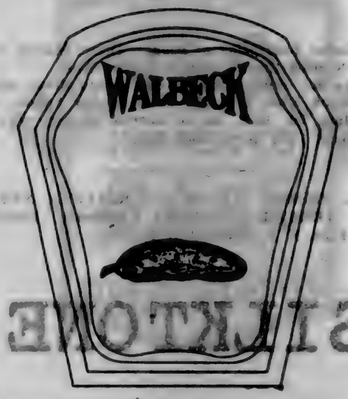
*Particular description of goods.*—Malt Beverages and Malt Tonic.
*Claims use* since March, 1904.

Ser. No. 216,595. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) E. H. & A. C. FRIEDRICHS CO., New York, N. Y. Filed June 29, 1925.

DUR-ESSO

*Particular description of goods.*—Artists' Clay.
*Claims use* since June 26, 1925.

Ser. No. 216,667. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER C. BECKER, Philadelphia, Pa. Filed June 30, 1925.




The representation of the cucumber or pickle is disclaimed except as a part of the mark shown.
*Particular description of goods.*—Pickle Melange, Sweet Pickle, Cucumber Relish, Pickled Onions, and Sweet Mixed Pickle.
*Claims use* since on or about Jan. 2, 1925.

Ser. No. 216,732. (CLASS 39. CLOTHING.) KANDI UNDERWEAR COMPANY, New York, N. Y. Filed July 1, 1925.

KANDI

*Particular description of goods.*—Underwear—Namely, Pyjamas and Textile Undershirts—for Men and Boys.
*Claims use* since 1922.

Ser. No. 216,738. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MARY COUNTESS OF LIMBURG STIRUM, Geneva, Switzerland. Filed July 1, 1925.

"FIFI"

*Particular description of goods.*—Shoulder Straps for Lingerie and Fasteners Therefor.
*Claims use* since March, 1925.

Ser. No. 216,806. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) UNITED STATES RUBBER COMPANY, New York, N. Y. Filed July 2, 1925.

BUBBLE BOAT

No claim is made to the word "Boat" apart from the mark shown.
*Particular description of goods.*—Floats and Rafts for Bathers and Accessories Thereof.
*Claims use* since June 29, 1925.

Ser. No. 216,818. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) BAKELITE CORPORATION, New York, N. Y. Filed July 3, 1925.

*Particular description of goods.*—Buttons and Buckles Made of Condensation Products of Phenols and Formaldehyde for Personal Wear.
*Claims use* since Dec. 1, 1924.

Ser. No. 216,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL LEMON ASSOCIATION, Villa Park, Calif. Filed July 6, 1925.

COMET

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
*Claims use* since 1912.

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Ser. No. 216,882. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL LEMON ASSOCIATION, Villa Park, Calif. Filed July 6, 1925.

Radiant

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
*Claims use* since 1915.

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Ser. No. 216,888. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DIAMANT TOOL & MFG. CO. INC., Newark, N. J. Filed July 6, 1925.

KAYJO

*Particular description of goods.*—Game Board for Indoor and Outdoor Use Having Means for Projecting a Ball over the Surface Thereof.
*Claims use* since June 13, 1925.

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Ser. No. 216,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMPIRE MILLING COMPANY, Minneapolis, Minn. Filed July 6, 1925.

THE KING OF MINNESOTA

The word "Minnesota" is disclaimed except as associated with the rest of the mark.
*Particular description of goods.*—Wheat Flour.
*Claims use* since about Nov. 1, 1905.

Ser. No. 216,933. (CLASS 38. PRINTS AND PUBLICATIONS.) PUBLIC PRESS CORPORATION, New York, N. Y. Filed July 6, 1925.

Today's Horoscope

*Particular description of goods.*—Newspaper Column.
*Claims use* since June 18, 1925.

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Ser. No. 216,984. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE OMO MANUFACTURING COMPANY, Middletown, Conn. Filed July 7, 1925.

OMO

*Particular description of goods.*—Dress Shields, Collar Bands, Narrow Elastic Web, and Bias Tape.
*Claims use* since Jan. 1, 1895, as to dress shields; since about Mar. 1, 1920, as to collar bands; since about Jan. 10, 1921, as to narrow elastic web; and since about 1912 as to bias tape.

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Ser. No. 216,995. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROSSMAN BROTHERS, New York, N. Y. Filed July 7, 1925.

SILKTONE

*Particular description of goods.*—Cotton Goods in the Piece and Cotton and Silk Goods in the Piece and Artificial-Silk Goods in the Piece.
*Claims use* since June 25, 1925.

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Ser. No. 217,000. (CLASS 15. OILS AND GREASES.) WESTBROOK TANK LINE CO., St. Paul, Minn. Filed July 7, 1925.

STEERONET

*Particular description of goods.*—Gasoline.
*Claims use* since Sept. 1, 1923.



Ser. No. 217,071. (CLASS 39. CLOTHING.) MORRIS COHEN, New Haven, Conn. Filed July 9, 1925.

Daphne

*Particular description of goods.*—Men's, Women's, and Children's Hosiery.
*Claims use* since Jan. 2, 1925.

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Ser. No. 217,080. (CLASS 12. CONSTRUCTION MATERIALS.) THE FLINT-ROCK STUCCO COMPANY, Ingomar and Dayton, Ohio. Filed July 9, 1925.

No claim is made to the words "Improved Base for Stucco and Plaster" apart from the mark shown in the drawing.
*Particular description of goods.*—Base to Which Stucco and Plaster is to be Applied.
*Claims use* since Apr. 30, 1925.

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Ser. No. 217,136. (CLASS 15. OILS AND GREASES.) DAMASCUS MANUFACTURING CORPORATION, Cleveland, Ohio. Filed July 10, 1925.

FLUXRITE

*Particular description of goods.*—Oil Compound to be Used in Rubber Compounds to Free Rubber from the Molds.
*Claims use* since on or about June 15, 1925.

Ser. No. 217,154. (CLASS 38. PRINTS AND PUBLICATIONS.) "I CONFESS" PUBLICATIONS, New York, N. Y., assignor to The Famous Story Publishing Company, Inc., New York, N. Y. Filed July 10, 1925.

The FAMOUS Story Magazine

The words "Story Magazine" are disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Magazine Published Monthly.
*Claims use* since June 2, 1925.

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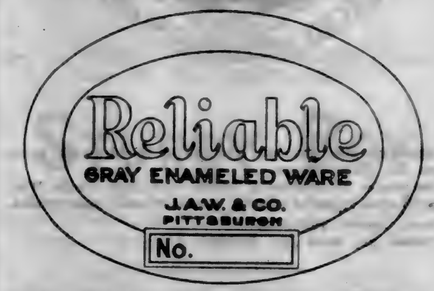
Ser. No. 217,238. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) J. A. WILLIAMS & COMPANY, Pittsburgh, Pa. Filed July 11, 1925.




The words "Reliable Gray Enameled Ware," "Pittsburgh," and "No." are disclaimed apart from the mark shown by the drawing.
*Particular description of goods.*—Enameled Cooking Utensils.
*Claims use* since May 1, 1924.

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Ser. No. 217,242. (CLASS 39. CLOTHING.) THE AMERICAN CELLULOID & CHEMICAL MANUFACTURING COMPANY, LTD., New York, N. Y. Filed July 13, 1925.

"CELANESE"

*Particular description of goods.*—Men's Half Hose.
*Claims use* since July 8, 1925.

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Ser. No. 217,251. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BRECHT CANDY COMPANY, Denver, Colo. Filed July 13, 1925.

MONKEY Bar

No claim is made to the exclusive use of the word "Bar" except in the connection shown in the drawing.
*Particular description of goods.*—Candy.
*Claims use* since about July 9, 1925.

Ser. No. 217,265. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ARCHIE T. DIZE, doing business as Dize Awning and Tent Company, Winston-Salem, N. C. Filed July 13, 1925.

GUARANTEED DIZE AWNINGS & TENTS. WINSTON-SALEM N C QUALITY FULL SIZE & FULL WEIGHT

Applicant disclaims all wording in the drawing apart from the mark shown.

*Particular description of goods.*—Awnings, Tents, Window Shades Made of Canvas, Truck Covers, Seat Covers, Wagon Covers, and Flags.

*Claims use* since Jan. 1, 1925.

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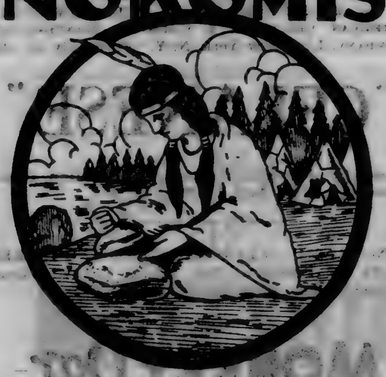
Ser. No. 217,283. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNEAPOLIS MILLING COMPANY, Minneapolis, Minn. Filed July 13, 1925.

NOKOMIS



*Particular description of goods.*—Wheat Flour.

*Claims use* since about Jan. 1, 1923.

Ser. No. 217,340. (CLASS 39. CLOTHING.) FIT Mfg. Co., Manchester, N. H. Filed July 14, 1925.

"Lady Manchester"

*Particular description of goods.*—Women's Coats.

*Claims use* since Apr. 1, 1918.

The word "Manchester" is disclaimed apart from the mark as shown.

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Ser. No. 217,373. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THOMSETT & Co., Chicago, Ill. Filed July 14, 1925.

Topsy

*Particular description of goods.*—Nonalcoholic, Noncereal, Malticus Beverages Sold as Soft Drinks and Flavored Sirups and Extracts for Making the Same.

*Claims use* since May 1, 1925.

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Ser. No. 217,420. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) POPLAR BLUFF RUBBER COMPANY, Poplar Bluff, Mo. Filed July 15, 1925.

Applicant disclaims exclusive right to the words "Inner Tires" or to the representation of a tire appearing on the drawing apart from the other features of the mark shown on the drawing.

*Particular description of goods.*—Inner Tires Made of Spongy Rubber.

*Claims use* since Apr. 18, 1925.



Ser. No. 217,423. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) TENNESSEE STOVE WORKS, Chattanooga, Tenn. Filed July 13, 1925.

KITCHEN MAID

*Particular description of goods.*—Cooking Stoves and Ranges for Wood, Coal, and Gas.

*Claims use* since October, 1923.

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Ser. No. 217,474. (CLASS 39. CLOTHING.) THE MAXIM CO., New York, N. Y. Filed July 16, 1925.

MAXIM

*Particular description of goods.*—Women's Outer Wear—Namely, Dresses, Coats, Cloaks, Suits and Skirts.

*Claims use* since about Sept. 1, 1916.

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Ser. No. 217,476. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) M. D. Q. SPECIALTY CORPORATION, Brooklyn, N. Y. Filed July 16, 1925.

N·D·Q·

*Particular description of goods.*—Birthday-Cake Candle Holders, Christmas-Tree Reflectors.

*Claims use* since Dec. 15, 1918.

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Ser. No. 217,517. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) ILLINOIS DUSTER COMPANY, Chicago, Ill. Filed July 17, 1925.

"NOBBY AUTO"

No claim is made to the word "Auto" apart from the mark as shown.

*Particular description of goods.*—Wool Dusters.

*Claims use* since Aug. 15, 1922.

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Ser. No. 217,529. (CLASS 39. CLOTHING.) MEYER PRINCE, New York, N. Y. Filed July 17, 1925.

Prin-Stout

The word "Stout" is disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Women's, Misses', and Children's Clothing—Namely, Dresses, Coats, Suits, Capes, Cloaks, Skirts, Underskirts, Waists, Underwear and Undergarments of Textile Fabric, Gowns, Corsets, Brassieres, and Aprons.

*Claims use* since July 1, 1924.

Ser. No. 217,563. (CLASS 39. CLOTHING.) LACE KNITTING MILLS, INC., New York, N. Y. Filed July 18, 1925.

No rights are asserted to the exclusive use of the words "Garments De Luxe, Quality, Value, Service" or the representation of the garments apart from the mark shown in the drawing.

*Particular description of goods.*—Knitted Underwear for Men, Women, and Children and Hosiery and Dresses for Misses, Ladies, and Juniors.

*Claims use* since July 1, 1924.

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Ser. No. 217,571. (CLASS 39. CLOTHING.) LEE J. MAY, Cairo, Ill. Filed July 18, 1925.

STURDY BOY

*Particular description of goods.*—Men's and Young Men's Clothing—Namely, Suits and Overcoats.

*Claims use* since Oct. 1, 1924.

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Ser. No. 217,572. (CLASS 39. CLOTHING.) LEE J. MAY, Cairo, Ill. Filed July 18, 1925.

HYTONE

*Particular description of goods.*—Men's and Young Men's Clothing—Namely, Suits and Overcoats.

*Claims use* since Oct. 1, 1924.

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Ser. No. 217,596. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE ALLRIGHT MANUFACTURING COMPANY, Rural Hall, N. C. Filed July 20, 1925.

GUARANTEED NOT TO SPLIT by ALLRIGHT M'F'G CO. RURAL HALL N.C. U.S.A. ALLRIGHT STEEL BOUND

Applicant disclaims the use of the words "Guaranteed Not to Split by Allright M'f'g. Co., Rural Hall, N. C., U. S. A." and "Steel Bound" apart from the mark as shown.

*Particular description of goods.*—Toilet Seats.

*Claims use* since about Jan. 1, 1911.

Ser. No. 217,605. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ARCHIE T. DIXE, doing business as Dixe Awning and Tent Company, Winston-Salem, N. C. Filed July 20, 1925.

WE COOL THE SUN

*Particular description of goods.*—Awnings, Tents, Window Shades, Made of Canvas, Truck Covers, Seat Covers, Wagon Covers, and Flags.
*Claims use* since about May 1, 1923.

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Ser. No. 217,618. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HUNT, HELM, FERRIS & CO., Harvard, Ill. Filed July 20, 1925.

CANNON BALL

*Particular description of goods.*—Toy Wagons.
*Claims use* since Oct. 18, 1924.

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Ser. No. 217,626. (CLASS 38. PRINTS AND PUBLICATIONS.) KING FEATURES SYNDICATE, INC., New York, N. Y. Filed July 20, 1925.

STEP-WORD PUZZLE

No claim is made to the words "Word Puzzle."
*Particular description of goods.*—Newspaper Section.
*Claims use* since June 15, 1925.

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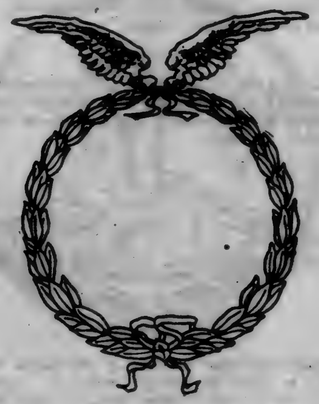
Ser. No. 217,691. (CLASS 15. OILS AND GREASES.) THE WHITE & BAGLEY COMPANY, Worcester, Mass. Filed July 21, 1925.



*Particular description of goods.*—Motor Oils and Machine Lubricants.
*Claims use* since May 7, 1925.

Ser. No. 217,692. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ASSOCIATED LABORATORIES, INC., doing business as Vendomatic Corporation, New York, N. Y. Filed July 22, 1925.

JAKANJIL

*Particular description of goods.*—Chocolate-Coated Fruit Cake.
*Claims use* since June 15, 1925.

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Ser. No. 217,700. (CLASS 38. PRINTS AND PUBLICATIONS.) EASTERN COTTON OIL COMPANY, Norfolk, Va. Filed July 22, 1925.

*Particular description of goods.*—Monthly Publication.
*Claims use* since Mar. 1, 1923.

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Ser. No. 217,704. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESKIMO PIE CORPORATION, Louisville, Ky. Filed July 22, 1925.

ESKIMO ICE

The word "Ice" does not form a part of the registration sought apart from the mark shown in the drawing.
*Particular description of goods.*—Frozen Confections Generally Comprising a Frozen Core and a Chocolate Coating Therefor.
*Claims use* since about June 1, 1925.

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Ser. No. 217,740. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SNYDER-WELCH-PROCESS CORPORATION, Boston, Mass. Filed July 22, 1925.

METL-TONE

*Particular description of goods.*—Patent Leather.
*Claims use* since July 1, 1925.



Ser. No. 217,752. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED BAUMAN, Reading, Ohio. Filed July 23, 1925.

No claim is made to the exclusive use of the words "Bauman's Salve" apart from the mark shown. The picture shown is a facsimile of applicant's portrait.
*Particular description of goods.*—Healing Salve.
*Claims use* since July 6, 1925.

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Ser. No. 217,756. (CLASS 38. PRINTS AND PUBLICATIONS.) BULLETIN RECORD PUBLISHING CO., INC., Chicago, Ill. Filed July 23, 1925.

CHICAGO TURF BULLETIN AND SPORTS RECORD

No claim is made to the words "A Publication of Consistency" apart from the mark shown in the drawing.
*Particular description of goods.*—Daily Publication.
*Claims use* since Apr. 1, 1925.

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Ser. No. 217,758. (CLASS 12. CONSTRUCTION MATERIALS.) THE COMPO-BOARD CO., Minneapolis, Minn. Filed July 23, 1925.

CompoBoard

No claim is made to the word "Board" apart from the mark as shown on the drawing.
*Particular description of goods.*—Artificial Lumber in Strips, Sheets, and Boards.
*Claims use* since 1891.

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Ser. No. 217,803. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. L. STERLING & SONS, INC., also doing business as Galeton Dairy Products Co., New York, N. Y., and Galeton, Pa. Filed July 23, 1925.

VACA BLANCA

*Particular description of goods.*—Condensed Milk.
*Claims use* since June, 1925.

Ser. No. 217,818. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORRADO BROS., New York, N. Y. Filed July 24, 1925.

OLIVIND

*Particular description of goods.*—Olive Oil.
*Claims use* since June 2, 1925.

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Ser. No. 217,842. (CLASS 17. TOBACCO PRODUCTS.) DAVID J. WEINREICH, doing business as Joseph Weinreich, Dayton, Ohio. Filed July 24, 1925. Under ten-year proviso.

CUBAN SEAL

The drawing is lined for red. Trade-mark consists of "Cuban Seal."
*Particular description of goods.*—Cigars.
*Claims use* since November, 1889.

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Ser. No. 217,849. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ARCTIC FRUIT ALE COMPANY, Detroit, Mich. Filed July 25, 1925.

FLIPDRIPS

*Particular description of goods.*—Nonalcoholic, Maltless Beverages.
*Claims use* since June 1, 1925.

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Ser. No. 217,850. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ARCTIC FRUIT ALE COMPANY, Detroit, Mich. Filed July 25, 1925.

GOLDENDRIPS

*Particular description of goods.*—Nonalcoholic, Maltless Beverages.
*Claims use* since June 1, 1925.

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Ser. No. 217,851. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ARCTIC FRUIT ALE COMPANY, Detroit, Mich. Filed July 25, 1925.

LOGONDRIP

*Particular description of goods.*—Nonalcoholic, Maltless Beverages.
*Claims use* since June 1, 1925.

Ser. No. 217,852. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ARCTIC FRUIT ALE COMPANY, Detroit, Mich. Filed July 25, 1925.

VINDRIP

*Particular description of goods.*—Nonnicoholic, Maltless Beverages.
*Claims use* since June 1, 1925.

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Ser. No. 217,855. (CLASS 39. CLOTHING.) THE BEST EVER SLIPPER CO., INC., Brooklyn, N. Y. Filed July 25, 1925.

BEST EVER

Applicant disclaims the exclusive right to the use of the descriptive phrase "Best-Ever" except in the particular association in which they appear with the rest of mark on the drawing.
*Particular description of goods.*—Men's and Women's Bedroom and House Slippers.
*Claims use* since Nov. 1, 1921.

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Ser. No. 217,856. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BINNEY & SMITH COMPANY, New York, N. Y. Filed July 25, 1925.

LUSTRO

*Particular description of goods.*—Carbon Black in Dry Form for Use as a Pigment for Paints and Varnishes.
*Claims use* since July 1, 1925.

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Ser. No. 217,864. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DE LUXE CAKE DECORATOR COMPANY, Minneapolis, Minn. Filed July 25, 1925.

DeLuxe Daintie

*Particular description of goods.*—Cake Decorators.
*Claims use* since on or about Feb. 1, 1925.

Ser. No. 217,872. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GOERZ FLOUR MILLS COMPANY, Newton, Kans. Filed July 25, 1925.

AMERICAN GIRL

No claim is made herein to the name "American" apart from the mark shown in the drawing.
*Particular description of goods.*—Wheat Flour.
*Claims use* since Apr. 15, 1925.

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Ser. No. 217,888. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) MICHAEL MAZER, doing business as Hoch-Unix Malt Co., Springfield, Mass. Filed July 25, 1925.

The lines on the crossband indicate red. Those within the heart are for shading only. No claim is made to the exclusive use of the words "Malt Syrup" apart from the mark shown in the drawing.
*Particular description of goods.*—Malt Sirup.
*Claims use* since on or about June 10, 1925.

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Ser. No. 217,889. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) MICHAEL MAZER, doing business as Hoch-Unix Malt Co., Springfield, Mass. Filed July 25, 1925.

No claim is made to the exclusive use of the words "Leader," "Malt Syrup," and "Leader of the Malts" apart from the mark shown in the drawing.
*Particular description of goods.*—Malt Sirup.
*Claims use* since on or about June 10, 1925.



Ser. No. 217,901. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SCOTT-SULLIVAN PAINT CO., St. Louis, Mo. Filed July 25, 1925.

NOZAG

*Particular description of goods.*—Ready-Mixed House Paints, Paste Paints, Colors in Oil, Varnish Stains, Paint Enamels, Prepared Shellacs, Varnishes, and Paint and Varnish Removers.
*Claims use* since July 1, 1925.

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Ser. No. 217,903. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIMS MILLING COMPANY, Frankfort, Ind. Filed July 25, 1925.

SUNNIDAY

*Particular description of goods.*—Wheat Flour.
*Claims use* since 1913.

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Ser. No. 217,906. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TRUE STORY FILMS INC., New York, N. Y. Filed July 25, 1925.

Applicant disclaims all words and letters appearing in the mark.
*Particular description of goods.*—Motion-Picture Films.
*Claims use* since July 20, 1925.



Ser. No. 218,000. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN-HALL-MARX CO., New York, N. Y. Filed July 28, 1925.

Demitex

*Particular description of goods.*—Cotton Fabrics, Mixtures of Cotton and Silk, Mixtures of Cotton and Wool, and Mixtures of Cotton, Silk, and Wool, All in the Piece and Plain, Printed, or Fancy Woven.
*Claims use* since July 18, 1925.

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Ser. No. 218,020. (CLASS 39. CLOTHING.) JACOBSON BROTHERS, doing business as Pittsburgh Trouser Company, Pittsburgh, Pa. Filed July 28, 1925.

PITCO

*Particular description of goods.*—Men's Work and Dress Trousers, Pants; Men's and Boys' Dress, Negligee, and Work Shirts; Men's and Boys' Sheep-Lined Vests and Coats, Knitted Sweaters, Jackets, and Vests, and Coats, Vests, and Jackets of Textile Fabrics, Vests, Coats, Sweaters; Men's and Boys' Undershirts, Drawers, and Union Suits of Knitted and Textile Fabrics; Sheepskin Coats, Hosiery, Overalls and Overall Jackets and Unionalls; Boys' Knee Pants, Shirt Waists; Women's and Children's Hosiery, Underwear of Knitted and Textile Fabrics, and Sweaters.
*Claims use* since Mar. 12, 1925.

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Ser. No. 218,041. (CLASS 39. CLOTHING.) THE BLUM STORE, Philadelphia, Pa. Filed July 29, 1925.

Arabelle
FASHIONS EXCLUSIVE WITH
THE Blum Store

No claim is made to the words "Fashions Exclusive with the Blum Store."
*Particular description of goods.*—Women's and Misses' Suits, Coats, Dresses, Wraps, Capes, Gowns, Raincoats, Silk Hosiery, Knitted and Textile Underwear, Lingerie, Negligees, and Trimmed and Untrimmed Hats.
*Claims use* since July 1, 1925.

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Ser. No. 218,049. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OTTO P. CATSIGIANIS, doing business as Blue Hill Candy Co., St. Louis, Mo. Filed July 29, 1925.

COCAMALLOW

*Particular description of goods.*—Candies.
*Claims use* since Oct. 10, 1921.

Ser. No. 218,050. (CLASS 37. PAPER AND STATIONERY.) CENTRAL STATES PAPER DISTRIBUTING CO., St. Louis, Mo. Filed July 29, 1925.

Aristocraft

*Particular description of goods.*—Printed Craft Paper.
*Claims use* since Mar. 1, 1925.

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Ser. No. 218,074. (CLASS 39. CLOTHING.) H. McLACHLAN & COMPANY, Danbury, Conn. Filed July 29, 1925.

No claim to exclusive use of the name "McLachlan" except in the particular connection and association in which they appear.
*Particular description of goods.*—Felt Hats in the Rough.
*Claims use* since Jan. 1, 1920.

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Ser. No. 218,099. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BOSTON BRASS COMPANY, Waltham, Mass. Filed July 30, 1925.

2 IN 1

*Particular description of goods.*—Boiler Relief Valves.
*Claims use* since October, 1924.

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Ser. No. 218,100. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BOSTON BRASS COMPANY, Waltham, Mass. Filed July 30, 1925.

3 IN 1

*Particular description of goods.*—Boiler Relief Valves.
*Claims use* since October, 1924.

Ser. No. 218,120. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ALBERT GREMUNDSON, Elbow Lake, Minn. Filed July 30, 1925.

*Particular description of goods.*—Horse Collars.
*Claims use* since June 20, 1925.

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Ser. No. 218,147. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOLEX DRUG COMPANY, Belleville, N. J. Filed July 30, 1925.

Dentocide

*Particular description of goods.*—Oral Prophylactic.
*Claims use* since June 20, 1921.

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Ser. No. 218,148. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WILSON-MAULEN CO. INC., New York, N. Y. Filed July 30, 1925.

BRALE

*Particular description of goods.*—Hardness-Tester Penetrators.
*Claims use* since May 14, 1925.



Ser. No. 218,161. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BURKE GOLF COMPANY, Newark, Ohio. Filed July 31, 1925.

The words "Burke Shafts the World's Standard" are hereby disclaimed apart from the mark shown in the drawing. The lining of drawing represents blue.
*Particular description of goods.*—Shafts for Golf Clubs.
*Claims use* since 1910.

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Ser. No. 218,174. (CLASS 39. CLOTHING.) HIGGINBOTHAM-BAILEY-LOGAN COMPANY, Dallas, Tex. Filed July 31, 1925.

TEXLAND

*Particular description of goods.*—Underwear, Outer Wear, and Ready-to-Wear Garments for Men, Women, and Children—Namely, Men's, Women's, and Children's Underwear, Knit and Leather Gloves, Hosiery, Knitted Caps, Sweaters, Knitted Bootees, Work Shirts, Dress Shirts, Overalls, Work Pants, and Shoes Made of Leather, Rubber, or Fabric and Combinations of These Goods.
*Claims use* since March, 1916, on underwear for men, women, and children, and in silk, cotton, and wool and on hosiery; on gloves since January, 1918; also sweaters since January, 1918; on caps since August, 1920; on work clothing and work shirts since October, 1921; and on shoes since 1924.

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Ser. No. 218,184. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSWALD JAEGER BAKING COMPANY, Milwaukee, Wis. Filed July 31, 1925.

SICHLING

*Particular description of goods.*—Bread.
*Claims use* since on or about July 3, 1865.

Ser. No. 218,202. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) PACIFIC NOVELTY COMPANY, New York, N. Y. Filed July 31, 1925.

ROSEMARIE

*Particular description of goods.*—Hair Combs Made of Composition Materials Known as Viscoloid.
*Claims use* since July 26, 1925.

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Ser. No. 218,207. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ROSSVILLE PACKING CO., Rossville, Ill. Filed July 31, 1925.

COUNTRY COUSIN

*Particular description of goods.*—Canned Corn.
*Claims use* since Feb. 12, 1925.

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Ser. No. 218,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHAFFER STORES COMPANY, Altoona, Pa. Filed July 31, 1925.

Penn-Alto

*Particular description of goods.*—Canned Vegetables—Namely, Evergreen Corn, Golden Bantam Corn, Tomatoes, Wax Beans, Stringless Beans, Peas, Beets, Pumpkins, Sauerkraut, Food Sirup, Spices, Tomato Catchup, Buckwheat Flour, Pancake and Waffle Flour, Food-Flavoring Extracts, and Butter.
*Claims use* since Jan. 1, 1920.

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Ser. No. 218,252. (CLASS 39. CLOTHING.) FIFTH AVENUE STYLES, INC., New York, N. Y. Filed Aug. 1, 1925.

Beatrice

*Particular description of goods.*—Dresses.
*Claims use* since May 15, 1925.

Ser. No. 218,278. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRACE ADAMS WHITTAKER, San Francisco, Calif. Filed Aug. 1, 1925.

Na-tura

*Particular description of goods.*—Natural Mineral Salt Used as a Bath Crystal, Either Plain, Perfumed, or Colored, and Internal Salt for Rheumatism, Uric Acid, Stomach or Liver Disorders, and Constipation.
*Claims use* since Jan. 2, 1925.

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Ser. No. 218,296. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HUGH B. ELROD, doing business as Nox-It Products Company, not incorporated, Chicago, Ill. Filed Aug. 3, 1925.

NOX-IT

*Particular description of goods.*—Metal Polish in Liquid Form.
*Claims use* since July 23, 1925.

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Ser. No. 218,300. (CLASS 39. CLOTHING.) FENTON AND BUTLER, Columbus, Ohio. Filed Aug. 3, 1925.

Tru-Poise

*Particular description of goods.*—Leather Shoes.
*Claims use* since Oct. 1, 1924.

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Ser. No. 218,306. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HARRY H. HOMER, doing business as Homer Accurapid Works, Monterey, Calif. Filed Aug. 3, 1925.

HOMER 'ACCURAPID' METER
TRADE MARK
PAT PEND

No claim is made to the words "Homer," "Meter," "Trade-Mark," or "Pat. Pend." aside from the mark shown in the drawing.
*Particular description of goods.*—Liquid-Measuring Meters and Gauges.
*Claims use* since about July 1, 1925.

Ser. No. 218,314. (CLASS 2. RECEPTACLES.) FREDERICK W. LAUER, doing business as Fred Lauer, Chicago, Ill. Filed Aug. 3, 1925.

Applicant disclaims the right to the exclusive use of the word "Chest" apart from the other features of the mark shown.
*Particular description of goods.*—Miniature Cedar Chests and Candy Boxes.
*Claims use* since July 20, 1925.

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Ser. No. 218,320. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE "OFOME" COMPANY, LIMITED, London, England. Filed Aug. 3, 1925.

OFOME

*Particular description of goods.*—Soap.
*Claims use* since June 1, 1924.

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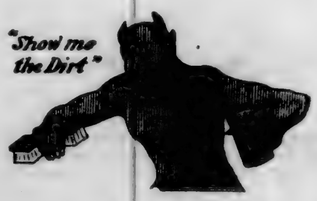
Ser. No. 218,336. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WM. SCHIELD MFG. CO., St. Louis, Mo. Filed Aug. 3, 1925.




RED DEVIL CLEANSER

No claim is made to the exclusive use of the word "Cleanser" apart from the trade-mark as shown.
*Particular description of goods.*—Cleanser or Cleaning, Scouring, or Washing Powder.
*Claims use* since June 15, 1925.



Ser. No. 218,355. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed Aug. 4, 1925.

*Particular description of goods.*—Embalming Fluid.
*Claims use* since 1906.

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Ser. No. 218,374. (CLASS 39. CLOTHING.) ROTARY HOSIERY SHOPS, INC., Brooklyn, N. Y. Filed Aug. 4, 1925.

Applicant disclaims right to the exclusive use of the words "Quality First, Rotary Hosiery Shops, Inc.," apart from the mark shown in the drawing.
*Particular description of goods.*—Hosiery for Men, Women, and Children.
*Claims use* since July 11, 1925.

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Ser. No. 218,380. (CLASS 39. CLOTHING.) VERTEX HOSIERY MILLS, INC., Weissport, Pa. Filed Aug. 4, 1925.

VERTEX

*Particular description of goods.*—Hosiery.
*Claims use* since May 26, 1923.

Ser. No. 218,382. (CLASS 17. TOBACCO PRODUCTS.) WAITT & BOND, INC., Newark, N. J. Filed Aug. 4, 1925.

TOTEM

*Particular description of goods.*—Cigars.
*Claims use* since 1900.

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Ser. No. 218,383. (CLASS 17. TOBACCO PRODUCTS.) WAITT & BOND, INC., Newark, N. J. Filed Aug. 4, 1925. Under ten-year proviso.

BLACKSTONE

*Particular description of goods.*—Cigars.
*Claims use* since 1884.

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Ser. No. 218,384. (CLASS 17. TOBACCO PRODUCTS.) WAITT & BOND, INC., Newark, N. J. Filed Aug. 4, 1925. Under ten-year proviso.

ENDICOTT

*Particular description of goods.*—Cigars.
*Claims use* since 1891.

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Ser. No. 218,406. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE P. GOLDSMITH SONS COMPANY, Cincinnati, Ohio. Filed Aug. 5, 1925.

GOLD SEAL

*Particular description of goods.*—Golf Balls, Baseballs Tennis Balls, Footballs, Basket Balls, Baseball Bats, Tennis Rackets, and Golf Clubs.
*Claims use* since Apr. 1, 1925.

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Ser. No. 218,407. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE P. GOLDSMITH SONS COMPANY, Cincinnati, Ohio. Filed Aug. 5, 1925.

RED SEAL

*Particular description of goods.*—Golf Balls, Baseballs, Tennis Balls, Footballs, Basket Balls, Baseball Bats, Tennis Rackets, and Golf Clubs.
*Claims use* since Apr. 1, 1925.

Ser. No. 218,443. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I. Filed Aug. 7, 1925.

**Juilpoint**

*Particular description of goods.*—All-Worsted Dress Fabrics.
*Claims use* since June 24, 1925.

Ser. No. 218,444. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PIERRE PAUL BASTERREIX, Butte, Mont. Filed Aug. 7, 1925.

PAULCO

*Particular description of goods.*—Electrical Direction Signal Lamps and Switches Therefor for Vehicles.
*Claims use* since July 21, 1925.

Ser. No. 218,449. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE G. W. BOBB COMPANY, Columbus, Ohio. Filed Aug. 7, 1925.

**FORT HAYES**

No claim is made to the word "Hayes" apart from the mark as shown.
*Particular description of goods.*—Canned Fruits, Canned Vegetables, Dried Fruits, and Catchup.
*Claims use* since Oct. 13, 1924.

Ser. No. 218,486. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., Louisville, Ky. Filed Aug. 6, 1925.

WEATHER SEASONED TRADE MARK HAND BONE RUBBED

No claim is made to the words "Weather Seasoned," "Hand Bone Rubbed," and "Trade-Mark," aside from the mark shown.
*Particular description of goods.*—Baseball Bats.
*Claims use* since July 1, 1919.

Ser. No. 218,497. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ANDREW MCLEAN COMPANY, Passaic, N. J. Filed Aug. 6, 1925.

LINOLEAN

*Particular description of goods.*—Linen Cloth for Millinery and Hat Manufacture Purposes.
*Claims use* since June 18, 1925.

Ser. No. 218,501. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. SARUBI COMPANY, Providence, R. I. Filed Aug. 6, 1925.

**SARUBI'S HAIR PETROLENA**

Applicant disclaims the words "Sarubi's Hair" apart from the mark shown.
*Particular description of goods.*—Preparation for the Treatment of Scalp and Removal of Dandruff.
*Claims use* since July 31, 1925.

Ser. No. 218,509. (CLASS 39. CLOTHING.) TOUTMAIN, INC., New York, N. Y. Filed Aug. 6, 1925.

Toutmain

*Particular description of goods.*—Ladies' Dresses.
*Claims use* since May 28, 1925.

Ser. No. 218,522. (CLASS 39. CLOTHING.) PARISTYLE GARMENT COMPANY, St. Louis, Mo., assignor to Paristyle Apparel, Inc., St. Louis, Mo., a Corporation of Missouri. Filed Aug. 7, 1925.

Paristyle

*Particular description of goods.*—Women's and Children's Coats, Suits, Dresses, Capes, Cloaks, and Fur Neckpieces.
*Claims use* since Feb. 28, 1918, on coats, suits, dresses, and cloaks, and since Mar. 1, 1921, applied to furs.



Ser. No. 218,537. (CLASS 37. PAPER AND STATIONERY.) GOODMAN BURSETOWN, Houston, Tex. Filed Aug. 8, 1925.

FEEL^A PENCIL

No claim is made for the word "Pencil" apart from the mark as shown in the drawing.
*Particular description of goods.*—Pencils.
*Claims use* since Apr. 15, 1925.

Ser. No. 218,639. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GEORGE R. HAYMAN, doing business as Chirometer Sales Company, Bay Shore, N. Y. Filed Aug. 10, 1925.

**CHIROMETER**

*Particular description of goods.*—Electrical Apparatus for Locating Pathological Conditions Along the Spine by Comparative Temperature Observations.
*Claims use* since June 1, 1924.

Ser. No. 218,663. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HERBERT A. RINDSKOPF, doing business as Crown Rubber Manufacturing Co., Brooklyn, N. Y. Filed Aug. 10, 1925.

Crown

*Particular description of goods.*—Rubber Goods and Goods Made of Rubber Composition—Namely, Sanitary Belts, Sanitary Aprons, Step-Ins, Bloomers, and Sanitary Skirts, Baby Pants, Ankle Bandages, Knee Bandages, Athletic Supporters, and Girdle Supporters.
*Claims use* since about 1910.

Ser. No. 218,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TURNER OKLAHOMA COMPANY, Oklahoma City, Okla. Filed Aug. 10, 1925.

SPECIAL PACK TOMATOES

The descriptive notation "Special Pack Tomatoes" and the pictorial representation of tomatoes shown on drawing are hereby disclaimed apart from the other features of the mark, but are claimed when taken in connection with the other features of the mark.
*Particular description of goods.*—Tomatoes.
*Claims use* since Nov. 1, 1923.

Ser. No. 218,681. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AMERICAN TRONA CORPORATION, New York, N. Y. Filed Aug. 11, 1925.

**FOSFAX**

*Particular description of goods.*—Mixture of Borax and a Double Salt of Trisodium Phosphate, and Sodium Metaborate Used for Cleaning and Detergent Purposes or as an Ingredient in Making Cleaning and Detergent Compositions, and as an Emulsifying Material.
*Claims use* since May 6, 1925.

Ser. No. 218,710. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MALTOP, INC., Buffalo, N. Y. Filed Aug. 11, 1925.

TODDY

The lining of drawing is for shading only.
*Particular description of goods.*—Cake, Bread, Candy, and Ice Cream.
*Claims use* since July 1, 1925.

Ser. No. 218,753. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Aug. 12, 1925.

HYBRAKE

*Particular description of goods.*—Hose Composed of Rubber and Fibrous Material.
*Claims use* since June 22, 1925.

Ser. No. 218,797. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE COOPER CORPORATION, Cincinnati, Ohio. Filed Aug. 13, 1925.

Cooper A-n-B BATTERY ELIMINATOR

No claim is made to the words "Cooper" and "A n B Battery Eliminator" apart from the mark shown in the drawing.
*Particular description of goods.*—Battery Eliminators.
*Claims use* since June, 1925.

Ser. No. 218,803. (CLASS 46. FOODS AND INGREDIENTS OF GOODS.) GEORGE H. FARRELL, Chicago, Ill. Filed Aug. 13, 1925.

F-F-F

*Particular description of goods.*—Frozen Cream, Sugar, and Fruit Used in Preparing Sandwiches.
*Claims use* since May 1, 1925.

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Ser. No. 218,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HONEYCUP ICE CREAM CO., Middlesboro, Ky. Filed Aug. 13, 1925.

HONEYCUP

*Particular description of goods.*—Ice Cream.
*Claims use* since May 1, 1924.

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Ser. No. 218,828. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RED SUN PRODUCTS CO., Chicago, Ill. Filed Aug. 13, 1925.

FAMILY

*Particular description of goods.*—Malt Sirup for Food Purposes.
*Claims use* since June 13, 1924.

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Ser. No. 218,871. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) MICHAEL PETER, doing business as G. D. Specialty Company, Chicago, Ill. Filed Aug. 14, 1925.

M-P

CANADIAN

Applicant disclaims all right to the exclusive use of the word "Canadian" except as shown in connection with the mark.
*Particular description of goods.*—Malt Extracts.
*Claims use* since July 30, 1925.

Ser. No. 218,876. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SHERWOOD P. SNYDER, doing business as Shurry Beverage Company, Dayton, Ohio. Filed Aug. 14, 1925.

Shurry

The trade-mark consists in the arbitrary word "Shurry."
*Particular description of goods.*—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirup and Extracts for Making the Same.
*Claims use* since July 15, 1925.

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Ser. No. 218,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AVRI DRUG & CHEMICAL COMPANY, Jersey City, N. J. Filed Aug. 15, 1925.

STERO-TALC

The word "Talc" is disclaimed apart from the mark shown on the drawing.
*Particular description of goods.*—Talcum Powder.
*Claims use* since Jan. 1, 1916.

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Ser. No. 218,932. (CLASS 13. HARWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) STAR METAL MFG. CO., Philadelphia, Pa. Filed Aug. 15, 1925.

STAMCO

*Particular description of goods.*—Coffee Urns, Steam Tables, Griddles, Water-Cooling Receptacles, Water Urns, Chocolate Urns, Urn Stands, Roll Warmers, Food Warmers, Dish Warmers, Food Coolers, Cream Dispensers, Sausage Steamers, Fudge Warmers, Napkin Holders, Spoon Holders, Dish Carriers, Sinks, Napkin Stands, and Drip Cups.
*Claims use* since Oct. 30, 1923.

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Ser. No. 218,933. (CLASS 39. CLOTHING.) VICTOR L. SUSSBERG, doing business as V. L. Sussberg Co., New York, N. Y. Filed Aug. 15, 1925.

"RADELLE"

Trade-mark consists in the word "Radelle."
*Particular description of goods.*—Undergarments of Knitted or Textile Fabrics in One, Two, and Three Pieces.
*Claims use* since June 18, 1925.



Ser. No. 218,954. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DIAMOND BOTTLING CORPORATION, Waterbury, Conn. Filed Aug. 17, 1925.

Clear Spring

*Particular description of goods.*—Nonalcoholic, Noncereal, Maltless Beverages.
*Claims use* since January, 1923.

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Ser. No. 218,955. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DIAMOND BOTTLING CORPORATION, Waterbury, Conn. Filed Aug. 17, 1925.

DIAMOND

The drawing is lined for red.
*Particular description of goods.*—Nonalcoholic, Noncereal, Maltless Beverages.
*Claims use* since Oct. 6, 1921.

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Ser. No. 218,974. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) INTERNATIONAL STEEL WOOL CORPORATION, Springfield, Ohio. Filed Aug. 17, 1925.

Rid

*Particular description of goods.*—Steel Wool and Soap for Rubbing, Cleansing, Polishing, and Scouring.
*Claims use* since on or about June 1, 1925.

Ser. No. 218,978. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUISVILLE MILLING COMPANY, Minneapolis, Minn. Filed Aug. 17, 1925.

EXCESS

*Particular description of goods.*—Wheat Flour.
*Claims use* since Jan. 31, 1918.

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Ser. No. 218,979. (CLASS 15. OILS AND GREASES.) FRANK S. LYNDALL, doing business as Elbar Laboratories, Chicago, Ill. Filed Aug. 17, 1925.

ELBAR

*Particular description of goods.*—Lubricating Oil.
*Claims use* since July 1, 1925.

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Ser. No. 219,016. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STAR AND CRESCENT MILLING COMPANY, Minneapolis, Minn. Filed Aug. 17, 1925.

GOLDEN HORN

*Particular description of goods.*—Wheat Flour.
*Claims use* since 1866.

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Ser. No. 219,021. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LOUIS G. ZACHOS, doing business as The Golden West Laboratories, Los Angeles, Calif. Filed Aug. 17, 1925.

Black Beauty

*Particular description of goods.*—Auto Renewer.
*Claims use* since Dec. 11, 1923.

Ser. No. 219,029. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DEVOINE COMPANY, Baltimore, Md. Filed Aug. 18, 1925.

SAMPLER

*Particular description of goods.*—Liquid Chocolate Sauce for Table Use and for Use by Soda-Fountain Proprietors.
*Claims use* since Apr. 1, 1924.

Ser. No. 219,037. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MANHATTAN BAND INSTRUMENT CO. INC., New York, N. Y. Filed Aug. 18, 1925.

Winner

*Particular description of goods.*—Ukuleles, Banjo Ukuleles, Tenor Banjos, Banjo Mandolins, Lute Mandolins, and Mandolins.
*Claims use* since May 19, 1923.

Ser. No. 219,041. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORTH METAL & CHEMICAL CO. INC., York, Pa. Filed Aug. 18, 1925.

*Particular description of goods.*—Cleaning Preparation for General Household, Store, and Shop Use.
*Claims use* since Aug. 10, 1921.

Ser. No. 219,043. (CLASS 39. CLOTHING.) JANE PARKER, New York, N. Y. Filed Aug. 18, 1925.

STUDIO

*Particular description of goods.*—Ladies' Hats.
*Claims use* since Mar. 1, 1925.

Ser. No. 219,047. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID L. STULL, doing business as Highland Ice Cream Co., Birmingham, Ala. Filed Aug. 18, 1925.

Highland

*Particular description of goods.*—Ice Cream.
*Claims use* since Apr. 4, 1919.

Ser. No. 219,050. (CLASS 39. CLOTHING.) WALNOTT KNITTING COMPANY, Utica, N. Y. Filed Aug. 18, 1925.

ROGER-RUFF

*Particular description of goods.*—Knitted Coats for Men, Women, and Children.
*Claims use* since Jan. 1, 1925.

Ser. No. 219,068. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE GATHMANN ENGINEERING COMPANY, Baltimore, Md. Filed Aug. 19, 1925.

SLAGO

*Particular description of goods.*—Shrink-Head Casings for Ingot Molds.
*Claims use* since Apr. 6, 1925.

Ser. No. 219,095. (CLASS 25. LOCKS AND SAFES.) W-H KEYLESS LOCK COMPANY, LIMITED, Honolulu, Territory of Hawaii, and Hartford, Conn. Filed Aug. 19, 1925.

SESAMEE

*Particular description of goods.*—Locks.
*Claims use* since July 1, 1925.

Ser. No. 219,101. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN APPLIANCE CO., Cambridge, Mass. Filed Aug. 20, 1925.

Raytheon

*Particular description of goods.*—Rectifier Tubes.
*Claims use* since Aug. 14, 1925.

Ser. No. 219,133. (CLASS 39. CLOTHING.) NATIONAL SHIRT SHOPS, INC., New York, N. Y. Filed Aug. 20, 1925.

INNOVATION

*Particular description of goods.*—Men's Collars and Negligee and Dress Shirts.
*Claims use* since July 6, 1925.



Ser. No. 219,136. (CLASS 39. CLOTHING.) PIPER AND SALERNO CO., INC., New York, N. Y. Filed Aug. 20, 1925.

Lochleigh

*Particular description of goods.*—Ladies' Topcoats.
*Claims use* since July 1, 1924.

Ser. No. 219,137. (CLASS 39. CLOTHING.) PIPER AND SALERNO CO., INC., New York, N. Y. Filed Aug. 20, 1925.

Scotleigh

*Particular description of goods.*—Sport Fabric and Topcoats for Ladies.
*Claims use* since July 1, 1924.

Ser. No. 219,138. (CLASS 39. CLOTHING.) PIPER AND SALERNO CO., INC., New York, N. Y. Filed Aug. 20, 1925.

Shagleigh

*Particular description of goods.*—Sport Fabric and Topcoats for Ladies.
*Claims use* since July 1, 1924.

Ser. No. 219,142. (CLASS 39. CLOTHING.) BENJAMIN ROTHMAN, INC., New York, N. Y. Filed Aug. 20, 1925.

Romay

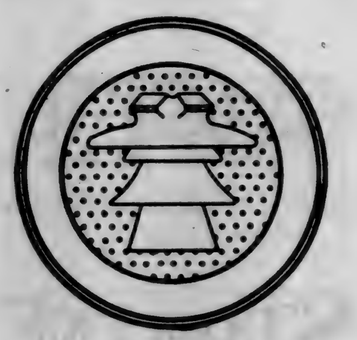
Trade-mark consists of the word "Romay."
*Particular description of goods.*—Shoes Constructed of Leather and of Combinations of Leather and Fabric.
*Claims use* since July 1, 1925.

Ser. No. 219,151. (CLASS 32. FURNITURE AND UPHOLSTERY.) STANDARD MATTRESS & FURNITURE MANUFACTURING CO., San Diego, Calif. Filed Aug. 20, 1925.

DUOTUF

*Particular description of goods.*—Mattresses.
*Claims use* since May 1, 1925.

Ser. No. 219,155. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE R. THOMAS & SONS CO., East Liverpool, Ohio. Filed Aug. 20, 1925.



The exclusive right to the representation of an insulator is disclaimed except in the association shown.
*Particular description of goods.*—Electrical Insulators, Insulator Fittings, and Insulator Pins.
*Claims use* since 1918.

Ser. No. 219,175. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) LOUIS I. FURLAGER, doing business as Sifta Puff Co., New York, N. Y. Filed Aug. 21, 1925.

No claim is made to the exclusive use of the word "Puff" apart from the mark as shown.

*Particular description of goods.*—Refillable Powder Puffs.

*Claims use* since Aug. 10, 1925.

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Ser. No. 219,179. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Aug. 21, 1925.

No claim is made to the word "Fragrant" except as shown on the drawing.

*Particular description of goods.*—Soap.

*Claims use* since Apr. 1, 1925.

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Ser. No. 219,227. (CLASS 15. OILS AND GREASES.) CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Aug. 22, 1925.

STABILENE

*Particular description of goods.*—Gasoline.

*Claims use* since Aug. 13, 1925.

Ser. No. 219,234. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed Aug. 22, 1925.

The lining of the drawing being for shading only.

*Particular description of goods.*—Woolen and Worsted Fabrics in the Piece.

*Claims use* since Aug. 10, 1925.

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Ser. No. 219,311. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SUOMEN OSUUSKAUPPOJEN KESKUSKUNTA, R. L., Helsingfors, Finland. Filed Aug. 24, 1925.

The words "Impregnated Safety Match," "Made in Finland," and "Average Contents Sixty Matches" are disclaimed apart from the trade-mark as shown.

*Particular description of goods.*—Safety Matches.

*Claims use* since Aug. 21, 1923.

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Ser. No. 219,314. (CLASS 39. CLOTHING.) TRIBOND SALES CORPORATION, New York, N. Y. Filed Aug. 24, 1925.

STC

*Particular description of goods.*—Hosiery.

*Claims use* since Dec. 1, 1924.



Ser. No. 219,315. (CLASS 39. CLOTHING.) TRIBOND SALES CORPORATION, New York, N. Y. Filed Aug. 24, 1925.

Tribond

*Particular description of goods.*—Hosiery.

*Claims use* since Aug. 1, 1925.

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Ser. No. 219,316. (CLASS 39. CLOTHING.) TRIBOND SALES CORPORATION, New York, N. Y. Filed Aug. 24, 1925.

*Particular description of goods.*—Hosiery.

*Claims use* since Aug. 1, 1925.

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Ser. No. 219,341. (CLASS 39. CLOTHING.) S. J. LEVY & SONS, New York, N. Y. Filed Aug. 25, 1925.

*Particular description of goods.*—Hosiery.

*Claims use* since 1923.

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Ser. No. 219,353. (CLASS 39. CLOTHING.) SHEIRO BROTHERS, INC., New York, N. Y. Filed Aug. 25, 1925.

FLIERS

*Particular description of goods.*—Hosiery for Men, Women, and Children.

*Claims use* since Aug. 15, 1925.

Ser. No. 219,360. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Aug. 25, 1925.

Belle de Nuit

*Particular description of goods.*—Toilet Soap, Medicinal Soap, and Shaving Soap.

*Claims use* since July 11, 1925.

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Ser. No. 219,381. (CLASS 39. CLOTHING.) S. COHEN & Co., New York, N. Y. Filed Aug. 26, 1925.

Daphne

*Particular description of goods.*—Ladies' Underwear Made of Silk, Cotton, and Knitting Material.

*Claims use* since June 1, 1925.

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Ser. No. 219,403. (CLASS 39. CLOTHING.) THE MIDDISHADE COMPANY, Philadelphia, Pa. Filed Aug. 26, 1925.

*Particular description of goods.*—Men's and Young Men's Suits.

*Claims use* since about Feb. 25, 1925.

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Ser. No. 219,436. (CLASS 39. CLOTHING.) THE FRANK H. LEE COMPANY, Danbury, Conn. Filed Aug. 27, 1925.

ÆTNA

*Particular description of goods.*—Hats for Men and Boys.

*Claims use* since on or about Jan. 1, 1915.

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Ser. No. 219,482. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GROUNDULET COMPANY, Newark, N. J. Filed Aug. 28, 1925.

GROUNDULET

*Particular description of goods.*—Electrical Fittings Designed for Making Connections Between Wires and Pipes.

*Claims use* since Aug. 13, 1925.

Ser. No. 219,524. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Aug. 29, 1925.

SHELT MOHR

*Particular description of goods.*—Pile Fabrics in the Piece.
*Claims use* since July 18, 1920.

Ser. No. 219,531. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DELANO, POTTER & CO., INC., Boston, Mass. Filed Aug. 29, 1925.

FANEUIL HALL

*Particular description of goods.*—Tea and Coffee.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,567. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN BOSCH MAGNETO CORPORATION, Springfield, Mass. Filed Aug. 31, 1925.

Amborola

*Particular description of goods.*—Radio Receiving Sets.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,568. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN BOSCH MAGNETO CORPORATION, Springfield, Mass. Filed Aug. 31, 1925.

Ambotone

*Particular description of goods.*—Loud Speakers for Radio Apparatus.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,574. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Aug. 31, 1925.

Silkalam

*Particular description of goods.*—Pile Fabrics in the Piece.
*Claims use* since Aug. 27, 1925.

Ser. No. 219,575. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Aug. 31, 1925.

Artalam

*Particular description of goods.*—Pile Fabrics in the Piece.
*Claims use* since Aug. 26, 1925.

Ser. No. 219,581. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Aug. 31, 1925.

Kashmirtweedeen

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since July 15, 1925.

Ser. No. 219,582. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Aug. 31, 1925.

Kashmirtweed

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,583. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Aug. 31, 1925.

Kashmirtwill

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,603. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) L. T. PIVER, INC., Wilmington, Del., and New York, N. Y. Filed Aug. 31, 1925.

FÉTICHE

*Particular description of goods.*—Toilet Soaps.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,621. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Sept. 1, 1925.

Natteen

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Aug. 1, 1925.



Ser. No. 219,637. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) J. E. MARSHALL, doing business as Marshall Company, St. Joseph, Mo. Filed Sept. 1, 1925.

Blue Jay

*Particular description of goods.*—Tube Patches.
*Claims use* since May, 1921.

Ser. No. 219,651. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AMERICAN GLUE COMPANY, Boston, Mass. Filed Sept. 2, 1925. Under ten-year proviso.

WALPOLE

*Particular description of goods.*—Abrasive Papers and Abrasive Cloth.
*Claims use* since latter part of 1894.

Ser. No. 219,667. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERVIN B. HARPER, doing business as Chemical Utilities Co., Dallas, Tex. Filed Sept. 2, 1925.

ODO-INE

*Particular description of goods.*—Deodorants and Disinfectants.
*Claims use* since June 5, 1922.

Ser. No. 219,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAKE CHELAN FRUIT GROWERS, Chelan, Wash. Filed Sept. 2, 1925.

TROUT

*Particular description of goods.*—Fresh Apples.
*Claims use* since October, 1921.

Ser. No. 219,679. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NATIONAL GUM CO., INC., Newark, N. J. Filed Sept. 2, 1925.

SUM-CHU

*Particular description of goods.*—Chewing Gum.
*Claims use* since July 1, 1924.

Ser. No. 219,680. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD E. NICHOLAS, doing business as To-To Products Co., Chicago, Ill. Filed Sept. 2, 1925.

To-To

*Particular description of goods.*—Vanishing Creams, Massage Creams, Cold Creams, Lemon Creams, Talcum Powders, Face Powders, Sachet Powders, Shampoos, Hair Pomades, Depilatory Deodorants, Dental Creams, Perfumes, and Toilet Waters.
*Claims use* since Nov. 4, 1921.

Ser. No. 219,682. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OLIVER MACHINERY CO., Grand Rapids, Mich. Filed Sept. 2, 1925.

STRAITOPLANE

*Particular description of goods.*—Wood-Planing Machines.
*Claims use* since June 1, 1924.

Ser. No. 219,693. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES T. PORTER, doing business as The Pyl-Tox Co., Bay City, Mich. Filed Sept. 2, 1925.

Pyl-Tox

*Particular description of goods.*—Pile Remedy.
*Claims use* since Aug. 20, 1925.

Ser. No. 219,711. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) BOUQUET-BROWNSON CO., INC., St. Paul, Minn. Filed Sept. 3, 1925.

Bo-kay Mop

The word "Mop" does not form a part of the registration sought apart from the mark shown in the drawing.
*Particular description of goods.*—Mops.
*Claims use* since Mar. 10, 1925.

Ser. No. 219,735. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Sept. 8, 1925.

Kashmir Netka

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,736. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Sept. 3, 1925.

Kashmirtwillka

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since July 15, 1925.

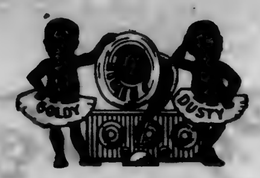
Ser. No. 219,738. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GOLD DUST CORPORATION, Jersey City, N. J. Filed Sept. 3, 1925.

Broadcast

*Particular description of goods.*—Soap Flakes.
*Claims use* since July 31, 1925.

Ser. No. 219,739. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GOLD DUST CORPORATION, Jersey City, N. J. Filed Sept. 3, 1925.

GOLDY & DUSTY




*Particular description of goods.*—Soap Flakes.
*Claims use* since July 31, 1925.

Ser. No. 219,751. (CLASS 39. CLOTHING.) THE MARLBY AND CAREW CO., Cincinnati, Ohio. Filed Sept. 3, 1925.

MADAM MAE

*Particular description of goods.*—Corsets.
*Claims use* since Aug. 25, 1925.

Ser. No. 219,783. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SMALLEY, KIVLAN & OUTHANE, Boston, Mass. Filed Sept. 3, 1925.

VICTORY

*Particular description of goods.*—Rubber Jar Rings.
*Claims use* since 1917.

Ser. No. 219,981. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NEW MIX PRODUCTS, INC., New York, N. Y. Filed Sept. 8, 1925.

NEW-MIX

*Particular description of goods.*—Soaps in Liquid, Cake, Stick, Cream, and / or Powder Form.
*Claims use* since Aug. 5, 1925.

Ser. No. 220,107. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Sept. 11, 1925.

VELEXO

*Particular description of goods.*—Pile Fabrics in the Piece.
*Claims use* since Sept. 2, 1925.

Ser. No. 220,278. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Sept. 16, 1925.

Kashmirsuprema

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Sept. 1, 1925.

Ser. No. 220,279. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Sept. 16, 1925.

Mandaleen

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Aug. 15, 1925.

Ser. No. 220,280. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Sept. 16, 1925.

Nataleen

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Aug. 1, 1925.

Ser. No. 220,299. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Sept. 16, 1925.

Mongoleen

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Aug. 15, 1925.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

OCTOBER 20, 1925.

204,396. PYROXYLIN THINNERS, KNIFING COMPOUND (UNDERCOATING), FLOOR VARNISH, AND PREPARED PAINT. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed August 16, 1924. Serial No. 201,490. PUBLISHED FEBRUARY 10, 1925.

204,397. PYROXYLIN THINNERS, KNIFING COMPOUND (UNDERCOATING), FLOOR VARNISH, AND PREPARED PAINT. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed August 16, 1924. Serial No. 201,491. PUBLISHED FEBRUARY 10, 1925.

204,398. LACQUERS, PAINT AND PYROXYLIN ENAMELS, AND PAINT AND PYROXYLIN FINISHES. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed June 7, 1924. Serial No. 198,225. PUBLISHED OCTOBER 7, 1924.

204,399. LACQUERS, PAINT AND PYROXYLIN ENAMELS, AND PAINT AND PYROXYLIN FINISHES. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed May 22, 1924. Serial No. 197,425. PUBLISHED OCTOBER 7, 1924.

204,400. CERTAIN PIECE GOODS. JOHN E. HANIFEN COMPANY, Philadelphia, Pa.
Filed April 16, 1925. Serial No. 212,812. PUBLISHED JULY 21, 1925.

204,401. CERTAIN PIECE GOODS. JOHN E. HANIFEN COMPANY, Philadelphia, Pa.
Filed April 16, 1925. Serial No. 212,809. PUBLISHED JULY 21, 1925.

204,402. CERTAIN PIECE GOODS. LESSER, WHITMAN & CO., INC., New York, N. Y.
Filed April 9, 1925. Serial No. 212,447. PUBLISHED JULY 21, 1925.

204,403. CIGARETTES. NIKOLAS G. PAPASOTIRIOU, LaGrange, Ill.
Filed April 8, 1925. Serial No. 212,396. PUBLISHED JULY 21, 1925.

204,404. HOSIERY. BARNARD NATHAN CO., New York, N. Y., assignor to Charles W. Cromer, Hagerstown, Md.
Filed April 8, 1925. Serial No. 212,364. PUBLISHED JULY 21, 1925.

204,405. METAL SASH. THE CURTAIN SUPPLY COMPANY, Chicago, Ill. and Elkhart, Ind.
Filed April 6, 1925. Serial No. 212,237. PUBLISHED JULY 28, 1925.

204,406. RUGS AND CARPETS OF MATTING MATERIAL. PATCHOGUE-PLYMOUTH MILLS CORPORATION, New York, N. Y.
Filed March 25, 1925. Serial No. 211,611. PUBLISHED JULY 21, 1925.

204,407. MAGNETOS, BATTERY VIBRATOR HORNS, MOTOR-DRIVEN HORNS, CONDENSERS, AUDIO-FREQUENCY TRANSFORMERS, VARIOMETERS, VARIOCOUPLERS, INDUCTANCE COILS, AND COMPLETE RADIO RECEIVING SETS. HEINER ELECTRIC COMPANY, Lowell, Mass.
Filed March 28, 1925. Serial No. 211,470. PUBLISHED JULY 28, 1925.

204,408. COTTON PIECE GOODS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed February 4, 1925. Serial No. 209,109. PUBLISHED JULY 21, 1925.

204,409. GROUND POLISHED PLATE GLASS. DEUTSCHE SPIEGELGLAS AUSFUHR GESELLSCHAFT M. B. H., Aachen, Germany.
Filed January 24, 1925. Serial No. 208,577. PUBLISHED JULY 21, 1925.

204,410. WINES AND CHAMPAGNES, SPARKLING AND STILL. SOCIETE ANONYME MAISON MOET & CHANDON, Epernay, France.
Filed November 29, 1924. Serial No. 206,039. PUBLISHED JULY 28, 1925.

204,411. COTTON PIECE GOODS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed October 31, 1924. Serial No. 204,680. PUBLISHED JULY 21, 1925.

204,412. WOOLEN PIECE GOODS. STRONG, HEWAT & CO. INC., New York, N. Y.
Filed October 2, 1924. Serial No. 203,842. PUBLISHED JULY 21, 1925.

204,413. LEATHER BELTING. JOHNSON BELTING COMPANY, INC., New York, N. Y.
Filed September 29, 1924. Serial No. 203,185. PUBLISHED JULY 28, 1925.

204,414. ART POTTERY. FRANKLIN POTTERY CO., Lansdale, Pa.
Filed September 5, 1924. Serial No. 202,248. PUBLISHED JULY 21, 1925.

204,415. HOLLOW GLASS BALLS CONTAINING A SYSTEM OF BALLS THAT BY TUMBLING INTO NUMBERED GROOVES, IN CONNECTION WITH A SEPARATE BOOK, ANSWERS NUMEROUS QUESTIONS. EINAR GEORGE BAGGER, New York, N. Y.
Filed May 31, 1924. Serial No. 197,859. PUBLISHED JULY 21, 1925.

204,416. PRECIOUS AND SEMIPRECIOUS GEMS AND STONES AND IMITATIONS OF PRECIOUS AND SEMIPRECIOUS GEMS AND STONES AND NECKLACES AND JEWELRY FOR PERSONAL ADORNMENT MADE THEREFROM NOT INCLUDING WATCHES. JOS. H. MEYER BROS., INC., Brooklyn, N. Y.
Filed May 17, 1924. Serial No. 197,208. PUBLISHED JULY 28, 1925.

204,417. ROLLER-BEARING COASTING WAGONS. LEWIS-GRIM MFG. COMPANY, Ypsilanti, Mich.
Filed March 17, 1924. Serial No. 193,982. PUBLISHED MAY 6, 1924.

204,418. LEATHER BELTING, WORSTED APRONS, AND RAWHIDE LACING. FRANK W. MCLANATHAN, doing business as F. W. McLanathan & Son, Lawrence, Mass.
Filed August 8, 1923. Serial No. 184,209. PUBLISHED JULY 28, 1925.

204,419. CANNED APRICOTS, CANNED PEACHES, AND CANNED TOMATOES. LA SIERRA HEIGHTS CANNING COMPANY, Arlington, Calif.
Filed July 16, 1923. Serial No. 183,805. PUBLISHED MAY 5, 1925.

204,420. MAGNETIC ACTUATORS FOR SOUND REPRODUCERS. THE TRAGLE COMPANY, Cleveland, Ohio.
Filed December 6, 1924. Serial No. 206,383. PUBLISHED JULY 28, 1925.

204,421. RADIO RECEIVING SETS, CONDENSERS, AND TRANSFORMERS. A. H. GREBE & CO., INC., Richmond Hill, N. Y.
Filed December 5, 1924. Serial No. 206,300. PUBLISHED JULY 28, 1925.

204,422. SPICES AND FOOD-FLAVORING EXTRACTS. OLSON COFFEE CO., Omaha, Nebr.
Filed November 8, 1924. Serial No. 205,027. PUBLISHED FEBRUARY 3, 1925.

204,423. NONMETALLIC VEHICLE TIRES. CONTINENTAL-CAOUTCHOUC- & GUTTA-PERCHA-COMPAGNIE, Hanover, Germany.
Filed October 6, 1924. Serial No. 203,455. PUBLISHED JULY 28, 1925.

204,424. FOLDING HOODS (TEXTILE) FOR MOTOR ROAD VEHICLES. THE CALSO HOOD COMPANY LTD., London and Earlsdon, Coventry, England.
Filed September 15, 1924. Serial No. 202,610. PUBLISHED JULY 7, 1925.

204,425. COFFEE. THE WOOLSON SPICE COMPANY, Toledo, Ohio.
Filed September 13, 1924. Serial No. 202,604. PUBLISHED JANUARY 20, 1925.

204,426. DRY BATTERIES. MANHATTAN ELECTRICAL SUPPLY COMPANY, INC., New York, N. Y.
Filed September 13, 1924. Serial No. 202,591. PUBLISHED JULY 28, 1925.

204,427. PHONOGRAPHS, PHONOGRAPH RECORDS, ENVELOPES FOR HOUSING PHONOGRAPH RECORDS, AND PHONOGRAPH NEEDLES. POLYPHONWERKE AKTIENGESELLSCHAFT, Berlin, Germany.
Filed August 28, 1924. Serial No. 201,977. PUBLISHED JULY 28, 1925.

204,428. SAFETY MATCHES. ESTHONIAN MATCH INDUSTRY "LENDRA" LTD., Reval, Tallinn, Esthonia.
Filed July 17, 1924. Serial No. 200,139. PUBLISHED JUNE 2, 1925.

204,429. CANNED VEGETABLES, CANNED FRUITS, CANNED FISH, CANNED OYSTERS, COFFEE, TEA, CHOCOLATE, COCOA, SPICES, CONDENSED MILK; CONDIMENTS—NAMELY, WORCESTERSHIRE SAUCE; RELISHES—NAMELY, PICKLES; OATMEAL, TAPIOCA, BUTTER, LARD; BAKERY GOODS—NAMELY, CRACKERS; SUGAR, TABLE SIRUP, AND CHEESE. C. S. CRARY COMPANY, Streator, Ill.
Filed July 7, 1924. Serial No. 199,679. PUBLISHED MAY 12, 1925.

204,430. AUTOMATIC TELEPHONE SYSTEMS. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill.
Filed June 26, 1924. Serial No. 199,140. PUBLISHED JULY 28, 1925.

204,431. REEDS FOR ORCHESTRAL WIND INSTRUMENTS. MARIE DUNAND, Paris, France.
Filed June 9, 1924. Serial No. 198,292. PUBLISHED JULY 28, 1925.

204,432. CANNED VEGETABLES. OLNEY & FLOYD, Westernville, N. Y.
Filed May 17, 1924. Serial No. 197,214. PUBLISHED OCTOBER 7, 1924.

204,433. PACKING-HOUSE PRODUCTS INCLUDING FRESH PORK LOINS, SAUSAGES, AND SAUSAGE MEAT, LARD, HAM, BACON, COOKED TONGUE, AND COOKED HAM. JOHN P. SQUIRE & COMPANY, East Cambridge, Mass.
Filed May 9, 1924. Serial No. 196,833. PUBLISHED JULY 7, 1925.

204,434. HAM AND BACON. WILLIAM A. DOE CO., Boston, Mass.
Filed May 1, 1924. Serial No. 196,369. PUBLISHED JULY 28, 1925.

204,435. FINGER RINGS. EINAR GEORGE BAGGER, New York, N. Y.
Filed April 29, 1924. Serial No. 196,284. PUBLISHED JULY 28, 1925.

204,436. CANNED TOMATOES AND CARDOONS. HERSCHEL CALIFORNIA FRUIT PRODUCTS CO., INC., Chicago, Ill.
Filed November 26, 1923. Serial No. 188,904. PUBLISHED JANUARY 22, 1924.

204,437. TOMATO CATCHUP, CANNED STRAWBERBERIES, CANNED PEARS, CANNED GREEN GOOSEBERRIES, CANNED CHERRIES, CANNED BEANS, CANNED PINEAPPLE, CANNED PEAS, CANNED PEACHES, CANNED BLACKBERRIES, AND CANNED PORK AND BEANS. THE BOOTH PACKING COMPANY, branch of Gibbs & Company Inc., Baltimore, Md.
Filed July 9, 1923. Serial No. 182,959. PUBLISHED SEPTEMBER 23, 1924.

204,438. HOROLOGICAL INSTRUMENTS—NAMELY, SUNDIALS. GEORGE HOLLINWOOD, Cranford, N. J.
Filed March 28, 1923. Serial No. 177,911. PUBLISHED JULY 28, 1925.

204,439. ELECTRIC STOP AND DIRECTION SIGNAL SYSTEMS AND PARTS THEREOF FOR VEHICLES. MEILICKE CALCULATOR COMPANY, also doing business as Meilicke Manufacturing Company, Chicago, Ill.
Filed June 26, 1922. Serial No. 166,083. PUBLISHED JULY 28, 1925.

204,440. WATCHES, WATCHCASES, AND PARTS THEREOF. A. WITTNAUER CO., New York, N. Y.
Filed May 9, 1925. Serial No. 214,110. PUBLISHED JULY 28, 1925.

204,441. PERFUMES, TOILET POWDERS, BATH SALTS, COLD CREAMS, FACE PACKS, COMPACTS, REFILLS FOR COMPACT CASES, COLOGNE, COLOGNE WATERS, EXTRACTS, TOILET DUSTING POWDER, SACHET POWDER, SKIN CREAMS, SHAMPOOS, TALCUM POWDERS, EYE-DROPS, TOILET WATERS, SMELLING SALTS, AROMATIC VINEGARS, FACE POWDERS, ROUGES, BEAUTY CLAY, VANISHING CREAM, FACIAL PAINTS, SACHETS, SKIN BLEACHES, LIP STICKS, EYEBROW PENCILS, AND HAIR, FACE, HAND, AND FOOT LOTIONS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed May 9, 1925. Serial No. 214,069. PUBLISHED JULY 21, 1925.

204,442. HOLLOW CASTING OR TANK TO BE PLACED INSIDE OF SMALL REFRIGERATORS FOR THE CIRCULATION OF COLD BRINE. AMERICAN CARBONIC MACHINERY COMPANY, Wisconsin Rapids, Wis.
Filed May 9, 1925. Serial No. 214,043. PUBLISHED JULY 28, 1925.

204,443. ELECTRICAL APPARATUS, MORE PARTICULARLY FOR VACUUM TUBES FOR RADIO DEVICES. SYNDICATE MERCHANDISE CORPORATION, New York, N. Y.
Filed May 7, 1925. Serial No. 213,996. PUBLISHED JULY 28, 1925.

204,444. UPRIGHT PIANOS, PLAYER PIANOS, UPRIGHT REPRODUCING PIANOS, AND GRAND PIANOS. C. KURTZMANN & CO., Buffalo, N. Y.
Filed May 6, 1925. Serial No. 213,903. PUBLISHED JULY 28, 1925.

204,445. COTTON PIECE GOODS. WHITNEY MFG. CO., Whitney, S. C.
Filed April 30, 1925. Serial No. 213,607. PUBLISHED JULY 21, 1925.

204,446. COTTON PIECE GOODS. WHITNEY MFG. CO., Whitney, S. C.
Filed April 30, 1925. Serial No. 213,605. PUBLISHED JULY 21, 1925.



204,447. COTTON PIECE GOODS. YORK MANUFACTURING CO., INC., New York, N. Y.
Filed April 28, 1925. Serial No. 213,470. PUBLISHED JULY 21, 1925.

204,448. FLOORING COMPOSITION, COMPLETED FLOORING, STUCCO COMPOSITION, AND MAGNESIUM CHLORIDE ENTERING INTO THESE COMPOSITIONS. SELBY, BATTERSBY & CO., Philadelphia, Pa.
Filed April 27, 1925. Serial No. 213,408. PUBLISHED JULY 28, 1925.

204,449. FLOORING COMPOSITION, COMPLETED FLOORING, STUCCO, STUCCO COMPOSITION, AND MAGNESIUM CHLORIDE ENTERING INTO THESE COMPOSITIONS. SELBY, BATTERSBY & CO., Philadelphia, Pa.
Filed April 27, 1925. Serial No. 213,407. PUBLISHED JULY 28, 1925.

204,450. RADIO RECEIVING SETS, LOUD SPEAKERS AND UNITS, TRANSFORMERS, TUNING UNITS, PLUGS, VARIABLE CONDENSERS, JACKS, DIALS, AND SOCKETS. ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill.
Filed April 25, 1925. Serial No. 213,287. PUBLISHED JULY 28, 1925.

204,451. STRINGS FOR VIOLINS AND SIMILAR MUSICAL INSTRUMENTS. ROCCO SALERNI, Astoria, Long Island City, N. Y.
Filed April 24, 1925. Serial No. 213,260. PUBLISHED JULY 28, 1925.

204,452. RADIATOR FILLER CAPS. MOTOR ACCESSORIES CORPORATION, Kansas City, Mo.
Filed April 24, 1925. Serial No. 213,258. PUBLISHED JULY 28, 1925.

204,453. RADIO RECEIVING SETS AND LOUD-SPEAKER AMPLIFIERS FOR RADIO APPARATUSES. GENERAL PHONOGRAPH CORPORATION, New York, N. Y.
Filed April 24, 1925. Serial No. 213,232. PUBLISHED JULY 28, 1925.

204,454. MICA INSULATING UNITS, COMPRISING LAYERS OF MICA JOINED BY A BINDER AND THEREAFTER CUT INTO DIFFERENT SHAPES PARTICULABLY FOR USE AS INSULATION IN ELECTRIC HEATING DEVICES. NEW ENGLAND MICA CO., Waltham, Mass.
Filed April 22, 1925. Serial No. 213,141. PUBLISHED JULY 28, 1925.

204,455. MATCHES. EESTI TIKUTÖÖSTUS "LENDRA" A-S., Reval, Esthonia.
Filed April 20, 1925. Serial No. 213,015. PUBLISHED JULY 21, 1925.

204,456. COTTON PIECE GOODS. PACOLET MFG. CO., Pacolet, Spartanburg, S. C., and New Holland, Ga.
Filed April 18, 1925. Serial No. 212,950. PUBLISHED JULY 21, 1925.

204,457. AUDION TUBES. A. J. MUSSELMAN, Chicago, Ill.
Filed April 18, 1925. Serial No. 212,943. PUBLISHED JULY 28, 1925.

204,458. GRAY-HAIR REMEDY. ESTHER E. FLYBERG, Halstad, Minn.
Filed April 18, 1925. Serial No. 212,911. PUBLISHED JULY 21, 1925.

204,459. WOMEN'S HATS. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed April 18, 1925. Serial No. 212,880. PUBLISHED JULY 28, 1925.

204,460. WHEAT FLOUR. BLACK BROS. FLOUR MILLS, Beatrice, Nebr.
Filed May 28, 1925. Serial No. 214,775. PUBLISHED AUGUST 4, 1925.

204,461. CIGARS, CIGARETTES, TOBACCOS FOR SMOKING, CHEWING, AND SNUFFING. HAUS NEUERBURG o. H. G., Trier, Germany.
Filed May 22, 1925. Serial No. 214,728. PUBLISHED AUGUST 4, 1925.

204,462. SMOKING TOBACCO, CIGARS, CIGARETTES, AND SNUFF. GALLAHER, LIMITED, Belfast, Ireland.
Filed May 22, 1925. Serial No. 214,722. PUBLISHED AUGUST 4, 1925.

204,463. CERTAIN EXPLOSIVE SUBSTANCES. NOBEL INDUSTRIES, LIMITED, London, England.
Filed May 21, 1925. Serial No. 214,675. PUBLISHED AUGUST 11, 1925.

204,464. GLUES AND ADHESIVE CEMENTS. MARTIN ADHESIVE COMPANY, Boston, Mass.
Filed May 21, 1925. Serial No. 214,673. PUBLISHED AUGUST 11, 1925.

204,465. COFFEE. WADHAMS & CO., INC., Portland, Oreg.
Filed May 16, 1925. Serial No. 214,445. PUBLISHED AUGUST 11, 1925.

204,466. FRESH APPLES. CHAS. J. SCHILTZ, Waitsburg, Wash.
Filed May 13, 1925. Serial No. 214,278. PUBLISHED AUGUST 11, 1925.

204,467. CIGARS. S. S. PIERCE CO., doing business as Las Amigas Cigar Co., Boston, Mass.
Filed May 13, 1925. Serial No. 214,273. PUBLISHED AUGUST 4, 1925.

204,468. BED COMFORTS OF COTTON, WOOL, SILK, AND ARTIFICIAL SILK. LOUISVILLE BEDDING COMPANY, Louisville, Ky.
Filed May 13, 1925. Serial No. 214,259. PUBLISHED AUGUST 4, 1925.

204,469. OLEOMARGARINE. THE BALTIMORE BUTTERINE COMPANY, Baltimore, Md.
Filed May 13, 1925. Serial No. 214,231. PUBLISHED AUGUST 4, 1925.

204,470. PIECE GOODS MADE OF WOOL. ROUBAIX MILLS, INC., New York, N. Y.
Filed June 16, 1925. Serial No. 215,878. PUBLISHED JULY 28, 1925.

204,471. TOILET PREPARATIONS—NAMELY, PERFUME, TOILET WATER, FACE POWDER, DUSTING POWDER, TALCUM POWDER, AND SACHET. LENTHERIC, INC., New York, N. Y.
Filed June 16, 1925. Serial No. 215,863. PUBLISHED JULY 28, 1925.

204,472. TOILET PREPARATIONS—NAMELY, PERFUME, TOILET WATER, FACE POWDER, DUSTING POWDER, TALCUM POWDER, AND SACHET. LENTHERIC, INC., New York, N. Y.
Filed June 16, 1925. Serial No. 215,861. PUBLISHED JULY 28, 1925.

204,473. CERTAIN PROPRIETARY MEDICINES—NAMELY, A SYNTHETIC PREPARATION POSSESSING ANALGESIC, ANTIPYRETIC, AND ANTIRHEUMATIC QUALITIES. HOLLINGS-SMITH CO., Orangeburg, N. Y.
Filed June 16, 1925. Serial No. 215,857. PUBLISHED JULY 28, 1925.

204,474. WOOLEN DRESS GOODS IN THE PIECE. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y.
Filed June 16, 1925. Serial No. 215,840. PUBLISHED JULY 28, 1925.

204,475. MEDICATED TALCUM POWDER. EUGENE J. O'ROURKE, doing business as Oro Laboratory, Boonton, N. J.
Filed June 15, 1925. Serial No. 215,813. PUBLISHED JULY 28, 1925.

204,476. HAIR TONIC AND GROWER. GUS T. DALLIS and THEODORE N. RAFTIS, Zanesville, Ohio.
Filed June 15, 1925. Serial No. 215,776. PUBLISHED JULY 28, 1925.

204,477. WOOD HEELS. MERRIMACK WOOD HEEL COMPANY, Salem, N. H.
Filed June 12, 1925. Serial No. 215,699. PUBLISHED JULY 28, 1925.

204,478. RUBBER HEELS. ESSEX RUBBER COMPANY INC., Trenton, N. J.
Filed June 12, 1925. Serial No. 215,685. PUBLISHED JULY 28, 1925.

204,479. LEATHER GLOVES AND MITTENS. CRAFTSMAN GLOVE COMPANY, Chicago, Ill.
Filed June 12, 1925. Serial No. 215,682. PUBLISHED JULY 28, 1925.

204,480. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, RUBBER, CANVAS, OR TEXTILE MATERIALS OR COMBINATIONS THEREOF, AND INSOLES. E. E. TAYLOR COMPANY, Boston, Mass.
Filed June 11, 1925. Serial No. 215,662. PUBLISHED JULY 28, 1925.

204,481. COTTON AND SILK CLOTH BOTH IN THE PIECE AND IN THE BOLT. ELDER MFG. CO., St. Louis, Mo.
Filed June 8, 1925. Serial No. 215,443. PUBLISHED JULY 28, 1925.

204,482. PIECE GOODS OF WORSTED AND OF WORSTED AND COTTON MIXTURES. I. A. WYNER & CO., INC., New York, N. Y.
Filed June 6, 1925. Serial No. 215,429. PUBLISHED JULY 28, 1925.

204,483. BILLIARD CLOTH. F. GROTE & HUBBELL CO. INC., New York, N. Y., and Chicago, Ill.
Filed June 5, 1925. Serial No. 215,369. PUBLISHED JULY 28, 1925.

204,484. CORSETS, BRASSIÈRES, GIRDLES, AND WOMEN'S UNDERWEAR OF KNITTED AND TEXTILE FABRIC. ROSA B. SCOGNAMILLO, New York, N. Y.
Filed June 3, 1925. Serial No. 215,278. PUBLISHED JULY 28, 1925.

204,485. COTTON GOODS IN THE PIECE. NOVELTEX, INC., New York, N. Y.
Filed June 3, 1925. Serial No. 215,266. PUBLISHED JULY 28, 1925.

204,486. SILK AND COTTON GOODS IN THE PIECE. WM. SIMPSON, SONS & CO., Philadelphia, Pa.
Filed May 29, 1925. Serial No. 215,097. PUBLISHED JULY 28, 1925.

204,487. FERROUS PLATES AND SHEETS. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa.
Filed May 28, 1925. Serial No. 215,004. PUBLISHED JULY 28, 1925.

204,488. FRESH APPLES. CONNELL BROS. COMPANY, Seattle, Wash.
Filed May 28, 1925. Serial No. 215,000. PUBLISHED JULY 14, 1925.

204,489. LEATHER BOOTS AND SHOES. HILL BROS. CO., Hudson, Mass.
Filed May 27, 1925. Serial No. 214,960. PUBLISHED JULY 28, 1925.

204,490. WOMEN'S AND GIRLS' HATS. EMPORIUM WORLD MILLINERY CO., New York, N. Y.
Filed May 27, 1925. Serial No. 214,950. PUBLISHED JULY 28, 1925.

204,491. THERAPEUTIC LAMPS. SANITARIUM AND HOSPITAL EQUIPMENT COMPANY, Battle Creek, Mich.
Filed May 23, 1925. Serial No. 214,825. PUBLISHED JULY 28, 1925.

204,492. WOMEN'S AND CHILDREN'S HATS. GRAND TRIMMED HAT CO., Chicago, Ill.
Filed May 23, 1925. Serial No. 214,793. PUBLISHED JULY 28, 1925.

204,493. SILK PIECE GOODS AND COTTON PIECE GOODS. COHN HALL MARX CO., New York, N. Y.
Filed May 23, 1925. Serial No. 214,781. PUBLISHED JULY 28, 1925.

204,494. COTTON PIECE GOODS. MATTHEW W. RYAN, doing business as W. H. Brown Son & Co., New York, N. Y.
Filed May 21, 1925. Serial No. 214,692. PUBLISHED JULY 28, 1925.

204,495. COTTON PIECE GOODS. MATTHEW W. RYAN, doing business as W. H. Brown Son & Co., New York, N. Y.
Filed May 21, 1925. Serial No. 214,691. PUBLISHED JULY 28, 1925.

204,496. FRESH TOMATOES. CHEROKEE COUNTY FARM LABOR UNION, Jacksonville, Tex.
Filed October 13, 1924. Serial No. 203,787. PUBLISHED AUGUST 11, 1925.

204,497. DUPLICATING MACHINES. DITTO, INCORPORATED, Chicago, Ill.
Filed October 30, 1924. Serial No. 204,589. PUBLISHED JULY 28, 1925.

204,498. WINES AND CHAMPAGNES, SPARKLING AND STILL. SOCIÉTÉ ANONYME MAISON MOET & CHANDON, Epernay, France.
Filed November 29, 1924. Serial No. 206,038. PUBLISHED AUGUST 11, 1925.

204,499. COTTON VELOURS IN THE PIECE. A. T. BAKER & CO., INC., Manayunk, Philadelphia, Pa.
Filed January 24, 1925. Serial No. 208,551. PUBLISHED JULY 28, 1925.

204,500. JELLY. T. MASON LANGSTON, doing business as Langston Food Products Co., Greenville, S. C.
Filed February 3, 1925. Serial No. 209,041. PUBLISHED AUGUST 11, 1925.

204,501. CANDIES. ROBERT H. W. WELCH, JR., doing business as Oxford Candy Company, Cambridge, Mass.
Filed February 26, 1925. Serial No. 210,204. PUBLISHED AUGUST 11, 1925.

204,502. PARLOR GAME. JOHN D. CARDINELL, doing business as Cardinell-Sales Company, Montclair, N. J.
Filed March 3, 1925. Serial No. 210,443. PUBLISHED AUGUST 4, 1925.

204,503. AUDIBLE MECHANICALLY-OPERATED ALARMS AND SIGNALS. B & M MFG. CO., Los Angeles, Calif.
Filed March 10, 1925. Serial No. 210,782. PUBLISHED AUGUST 4, 1925.

204,504. GRAY SHORTS. SPARKS MILLING COMPANY, Alton, Ill.
Filed March 11, 1925. Serial No. 210,862. PUBLISHED AUGUST 11, 1925.

204,505. SILK PIECE GOODS. LOUIS C. ROSENBLATT, New York, N. Y.
Filed March 26, 1925. Serial No. 211,709. PUBLISHED AUGUST 11, 1925.

204,506. CERTAIN FOOD PRODUCTS. LOUIS MAULL CO., FOOD PRODUCTS CO., St. Louis, Mo.
Filed November 22, 1922. Serial No. 172,384. PUBLISHED AUGUST 11, 1925.

204,507. WHEAT FLOUR. WELLS-ABBOTT-NIEMAN CO., INC., Schuyler, Nebr.
Filed December 20, 1922. Serial No. 173,615. PUBLISHED AUGUST 4, 1925.

204,508. WHEAT FLOUR, PANCAKE AND BUCKWHEAT FLOUR, SELF-RISING FLOUR, WHEAT FEEDS AND MILL FEEDS—I. E., BRAN, SHORTS, MIDDLINGS, AND CHICKEN FEEDS, INCLUDING SCRATCH FEEDS AND THE SO-CALLED MASHES, AND ALSO SWEET FEEDS FOR LIVE STOCK. BALLARD & BALLARD CO., Louisville, Ky.
Filed March 2, 1923. Serial No. 176,815. PUBLISHED AUGUST 4, 1925.



204,509. BABY HARNESS FOR HOLDING INFANTS ON A BED, CRIB, OR THE LIKE TO PREVENT ACCIDENTS. ANNA G. SIMMERT, Reno, Nev.
Filed February 1, 1924. Serial No. 191,644. PUBLISHED JULY 7, 1925.

204,510. SILK KNITTED CLOTH IN THE PIECE. LEVI & SELIGMAN, INC., Brooklyn, N. Y.
Filed March 27, 1924. Serial No. 194,547. PUBLISHED AUGUST 11, 1925.

204,511. MEATS AND MEAT PRODUCTS. OTTO STAHL, INC., New York, N. Y.
Filed April 10, 1924. Serial No. 195,307. PUBLISHED AUGUST 11, 1925.

204,512. MEATS AND MEAT PRODUCTS. OTTO STAHL, INC., New York, N. Y.
Filed April 10, 1924. Serial No. 195,308. PUBLISHED AUGUST 11, 1925.

204,513. MEN'S HOSIERY. FRED A. SMITH, Cleveland, Ohio.
Filed April 14, 1924. Serial No. 195,546. PUBLISHED DECEMBER 2, 1924.

204,514. CERTAIN PRINTED AND PLAIN FABRICS IN THE PIECE. TITUS BLATTER & COMPANY, New York, N. Y.
Filed June 18, 1924. Serial No. 198,768. PUBLISHED JULY 28, 1925.

204,515. FRESH AND PRESERVED FIGS. THE CLARKADOTA FIG GROWERS ASSOCIATION, INC., Stockton, Calif.
Filed July 15, 1924. Serial No. 200,088. PUBLISHED AUGUST 11, 1925.

204,516. BREAD. CAP SHEAF BREAD COMPANY, St. Louis, Mo.
Filed July 31, 1924. Serial No. 200,748. PUBLISHED AUGUST 4, 1925.

204,517. COTTON, SILK, AND WOOLEN PIECE GOODS. BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed August 12, 1924. Serial No. 201,283. PUBLISHED AUGUST 4, 1925.

204,518. COTTON, SILK, AND WOOLEN PIECE GOODS. BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed August 12, 1924. Serial No. 201,284. PUBLISHED AUGUST 4, 1925.

204,519. FRESH PEACHES, GRAPES, PLUMS, CHERRIES, APPLES, BERRIES, PEARS, CURRANTS, VEGETABLES, AND EGGS. SENECA LAKE FRUIT GROWERS CO-OPERATIVE INC., Hector, N. Y.
Filed September 12, 1924. Serial No. 202,567. PUBLISHED AUGUST 4, 1925.

204,520. TASSELS AND BOWS. O. REGEN MFG. CO., INC., Brooklyn, N. Y.
Filed September 22, 1924. Serial No. 202,894. PUBLISHED JULY 7, 1925.

204,521. CHEESE. H. B. WADSWORTH INC., New York, N. Y.
Filed May 12, 1925. Serial No. 214,226. PUBLISHED AUGUST 11, 1925.

204,522. CIGARS. JOHN J. MAUSER, Sanford, Fla.
Filed May 12, 1925. Serial No. 214,209. PUBLISHED AUGUST 11, 1925.

204,523. EGGS. H. C. CHRISTIANS CO., Johnson Creek, Wis.
Filed May 8, 1925. Serial No. 214,018. PUBLISHED AUGUST 4, 1925.

204,524. FLOOR RUGS OF FABRIC, MADE OF PAPER AND GRASS. WAITE CARPET CO., Oshkosh, Wis.
Filed May 4, 1925. Serial No. 213,818. PUBLISHED AUGUST 4, 1925.

204,525. WHOLE-WHEAT FLOUR, NUT BREAD, FRUIT BREAD, WHOLE-WHEAT BREAD, AND MUFFINS. THE FRANK R. PRINA CORPORATION, New York, N. Y.
Filed May 4, 1925. Serial No. 213,801. PUBLISHED AUGUST 4, 1925.

204,526. COOKIES. 1-4-U COOKIE CO., INC., Long Island City, N. Y.
Filed May 2, 1925. Serial No. 213,730. PUBLISHED AUGUST 4, 1925.

204,527. CERTAIN NAMED PIECE GOODS. JACOB MILLER'S SONS CO., INC., Philadelphia, Pa.
Filed May 1, 1925. Serial No. 213,661. PUBLISHED AUGUST 11, 1925.

204,528. CANDY. MABEL GOODWIN FRABEL, doing business as Goodwin Sisters, New York, N. Y.
Filed May 1, 1925. Serial No. 213,638. PUBLISHED AUGUST 11, 1925.

204,529. CAKE AND MACAROONS. DRAKE BAKERIES INCORPORATED, Brooklyn, N. Y.
Filed April 29, 1925. Serial No. 213,492. PUBLISHED AUGUST 4, 1925.

204,530. POP-CORN CONFECTIONS. THE CRACKER JACK CO., Chicago, Ill.
Filed April 29, 1925. Serial No. 213,489. PUBLISHED AUGUST 11, 1925.

204,531. BILLIARD CLOTH. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed April 29, 1925. Serial No. 213,479. PUBLISHED AUGUST 11, 1925.

204,532. CAKES. GERMAN BAKERIES INCORPORATED, Detroit, Mich.
Filed April 27, 1925. Serial No. 213,372. PUBLISHED AUGUST 11, 1925.

204,533. COTTON PIECE GOODS. PACOLET MFG. CO., Pacolet, Spartanburg, S. C., and New Holland, Ga.
Filed April 18, 1925. Serial No. 212,954. PUBLISHED AUGUST 11, 1925.

204,534. FRESH CITROUS AND DECIDUOUS FRUITS, CANNED FRUITS, VEGETABLES, AND SALMON. PATRICK DUFFY, San Francisco, Calif.
Filed April 21, 1925. Serial No. 213,069. PUBLISHED JULY 28, 1925.

204,535. CIGARETTES. GIPSY TRAIL CAMP AND COUNTRY CLUB INC., New York, N. Y.
Filed April 18, 1925. Serial No. 212,920. PUBLISHED AUGUST 11, 1925.

204,536. HOCKEY STICKS. GIPSY TRAIL CAMP AND COUNTRY CLUB INC., New York, N. Y.
Filed April 18, 1925. Serial No. 212,917. PUBLISHED AUGUST 11, 1925.

204,537. CIGARETTE HOLDERS. GIPSY TRAIL CAMP AND COUNTRY CLUB INC., New York, N. Y.
Filed April 18, 1925. Serial No. 212,916. PUBLISHED AUGUST 11, 1925.

204,538. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. CHARTER OAK CITRUS ASSOCIATION, also doing business as San Dimas Fruit Exchange, Charter Oak, Calif.
Filed April 18, 1925. Serial No. 212,887. PUBLISHED JULY 28, 1925.

204,539. HOSIERY. IMPERIAL HOSIERY CO., Pittsburgh, Pa.
Filed April 11, 1925. Serial No. 212,555. PUBLISHED JULY 14, 1925.

204,540. BILLIARD BALLS, BOWLING BALLS, FISHING REELS, POOL TRIANGLES, GOLF-CLUB HEADS, AND GOLF-TEE MOLDS, GOLF-BALL CORES, DOMINOES, GAME COUNTERS, PLAYING CARDS, JACKSTRAWS, DICE, MAH JONGG BLOCKS, CHESS MEN, AND CHECKERS. BAKELITE CORPORATION, New York, N. Y.
Filed April 11, 1925. Serial No. 212,580. PUBLISHED AUGUST 11, 1925.

204,541. DRESSED POULTRY, BUTTER, EGGS, AND CHEESE. BEYER & COMPANY, INCORPORATED, Philadelphia, Pa.
Filed April 10, 1925. Serial No. 212,475. PUBLISHED AUGUST 4, 1925.

204,542. SAUSAGE, HAMS, AND BACON. ORLING BROTHERS, Detroit, Mich.
Filed April 8, 1925. Serial No. 212,395. PUBLISHED AUGUST 11, 1925.

204,543. FANCY PASTRY, BREAD, CAKES, PIES. HELENS HOME-MADE BAKERY AND PASTRY SHOP, Brooklyn, N. Y.
Filed March 30, 1925. Serial No. 211,882. PUBLISHED AUGUST 11, 1925.

204,544. CHOCOLATE-COVERED PEANUTS AND CHOCOLATE-COVERED RAISINS, ALSO CHOCOLATE-COVERED PEANUTS AND CHOCOLATE-COVERED RAISINS MIXED. SUNBLEST CONFECTIONS, INCORPORATED, Chicago, Ill.
Filed March 27, 1925. Serial No. 211,767. PUBLISHED MAY 12, 1925.

204,545. WATER-CIRCULATING PUMPS. AMERICAN GRINDER MFG. CO., Milwaukee, Wis.
Filed February 16, 1925. Serial No. 209,607. PUBLISHED JULY 7, 1925.

204,546. STRINGS FOR VIOLINS AND SIMILAR INSTRUMENTS. ROCCO SALERNI, Astoria, Long Island City, N. Y.
Filed April 13, 1925. Serial No. 212,644. PUBLISHED JULY 28, 1925.

204,547. OVERALLS AND OTHER WORK CLOTHES FOR MEN AND BOYS—NAMELY, COATS, PANTS, AND ONE-PIECE OVERALL GARMENTS. A. B. FRANK COMPANY, San Antonio, Tex.
Filed April 25, 1925. Serial No. 213,294. PUBLISHED JULY 28, 1925.

204,548. AUTOMOBILES, INCLUDING TAXICABS, DELIVERY TRUCKS, AND COMMERCIAL VEHICLES. PREMIER MOTORS, INCORPORATED, Indianapolis, Ind.
Filed April 25, 1925. Serial No. 213,319. PUBLISHED JULY 28, 1925.

204,549. SILK AND COTTON PIECE GOODS AND MIXTURES OF THE SAME. MILLS & GIBB CORP., New York, N. Y.
Filed April 27, 1925. Serial No. 213,391. PUBLISHED JULY 21, 1925.

204,550. TEXTILE RUGS. M. H. ROGERS, INC., New York, N. Y.
Filed April 28, 1925. Serial No. 213,457. PUBLISHED JULY 28, 1925.

204,551. WOMEN'S HATS, HAT FRAMES, AND HAT LININGS. APEX HAT FRAME CO., INC., New York, N. Y.
Filed May 2, 1925. Serial No. 213,679. PUBLISHED JULY 28, 1925.

204,552. CHILDREN'S, BOYS', MISSES', MEN'S, AND WOMEN'S KNITTED UNDERGARMENTS. AMASON KNITTING COMPANY, Muskegon, Mich.
Filed May 6, 1925. Serial No. 213,880. PUBLISHED JULY 28, 1925.

204,553. WATCHES. SOLIS WATCH CO., New York, N. Y.
Filed May 6, 1925. Serial No. 213,980. PUBLISHED JULY 28, 1925.

204,554. WOVEN COTTON PADDING FOR LAUNDRY-MACHINERY ROLLS. TINGUE, BROWN & CO., New York, N. Y.
Filed May 6, 1925. Serial No. 213,935. PUBLISHED JULY 28, 1925.

204,555. ANTITHUMB-SUCKING DEVICE. ADELIA LOUISE HARRISON, doing business as Baby Specialties Company, Oakland, Calif.
Filed May 11, 1925. Serial No. 214,158. PUBLISHED JULY 28, 1925.

204,556. PIECE GOODS OF TEXTILE FABRIC MADE OF COTTON SATIN DAMASK. A. THEO. ABBOTT & Co., Philadelphia, Pa.
Filed May 12, 1925. Serial No. 214,199. PUBLISHED JULY 21, 1925.

204,557. CUT-OUT READY-TO-SEW FROCKS. BERTH-ROBERT MADE AT HOME FROCKS, New York, N. Y.
Filed May 12, 1925. Serial No. 214,200. PUBLISHED JULY 28, 1925.

204,558. KNITTED AND WOVEN STOCKING TOPS. ALBERT E. SANBORN, Laconia, N. H.
Filed May 13, 1925. Serial No. 214,277. PUBLISHED JULY 28, 1925.

204,559. FRESH FRUITS—NAMELY, APPLES. ALBERT C. GILBERT, doing business as Long Hill Orchard, West Newbury, Mass.
Filed May 16, 1925. Serial No. 214,411. PUBLISHED JULY 21, 1925.

204,560. PREPARATION FOR THE RELIEF OF HEADACHE, NEURALGIA, COLDS, GRIPPE, AND PAIN IN GENERAL. D. P. AMO & COMPANY, Massena, N. Y.
Filed May 18, 1925. Serial No. 214,455. PUBLISHED JULY 28, 1925.

204,561. DETACHABLE SERVICE TRAYS. THE TRAY SERVICE COMPANY, Dallas, Tex.
Filed May 19, 1925. Serial No. 214,571. PUBLISHED JULY 28, 1925.

204,562. COLD CREAM. J. D. MCCANN CO., Rochester, N. Y.
Filed May 20, 1925. Serial No. 214,605. PUBLISHED JULY 28, 1925.

204,563. SILK PIECE GOODS. ERNEST A. RIEGER, New York, N. Y.
Filed May 20, 1925. Serial No. 214,618. PUBLISHED JULY 28, 1925.

204,564. BATH SALTS. VIVI, INC., New York, N. Y.
Filed May 20, 1925. Serial No. 214,632. PUBLISHED JULY 28, 1925.

204,565. LAXATIVE CANDY. HEALTH SERVICE CORPORATION, Savannah, Ga.
Filed May 21, 1925. Serial No. 214,661. PUBLISHED JULY 28, 1925.

204,566. REVERSE GEARS AND AUTOMATIC CUT-OFF CONTROLS. TRANSPORTATION DEVICES CORPORATION, Indianapolis, Ind.
Filed May 28, 1925. Serial No. 215,032. PUBLISHED AUGUST 4, 1925.

204,567. DRIED MILK SOLIDS IN POWDER FORM. ARGONAUT MILK COMPANY, San Francisco, Calif.
Filed May 29, 1925. Serial No. 215,041. PUBLISHED JULY 28, 1925.

204,568. FOOD SIRUPS. FABENTT & COMPANY, Tacoma, Wash.
Filed May 29, 1925. Serial No. 215,063. PUBLISHED JULY 28, 1925.

204,569. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. L. MICHAELS, INC., Buffalo, N. Y.
Filed May 29, 1925. Serial No. 215,082. PUBLISHED JULY 28, 1925.

204,570. HONEY. TALBOT WINCHELL, Los Angeles, Calif.
Filed May 29, 1925. Serial No. 215,112. PUBLISHED JULY 28, 1925.

204,571. CORN SUGAR. CLINTON CORN SYRUP REFINING COMPANY, Clinton, Iowa.
Filed June 1, 1925. Serial No. 215,137. PUBLISHED JULY 28, 1925.

204,572. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS. ELDER MFG. CO., St. Louis, Mo.
Filed June 3, 1925. Serial No. 215,238. PUBLISHED JULY 28, 1925.



204,573. ELECTRIC STOP AND DIRECTION SIGNAL LIGHT SYSTEMS AND PARTS THEREOF FOR VEHICLES. MEILICKE CALCULATOR COMPANY, also doing business as Meilicke Manufacturing Company, Chicago, Ill.
Filed June 26, 1922. Serial No. 166,086. PUBLISHED JULY 28, 1925.

204,574. CANNED FRUITS, CANNED VEGETABLES, CANNED SARDINES, CANNED SALMON, CANNED FISH, VINEGAR, MUSTARD, FRUIT PRESERVES, JELLY, PICKLES, OLIVES, CATCHUP, CHILI SAUCE, COFFEE, TEA, DRIED FRUITS, AND EVAPORATED MILK. L. B. WHIFFEN & COMPANY, Sterling, Ill.
Filed February 16, 1923. Serial No. 176,146. PUBLISHED JULY 28, 1925.

204,575. KNITTING MACHINES. EDOUARD DUBIED ET CIE., SOCIÉTÉ ANONYME, Couvet, Switzerland.
Filed March 8, 1923. Serial No. 176,885. PUBLISHED JULY 28, 1925.

204,576. SECTIONAL PIPE COVERING CONSISTING OF A RELATIVELY NARROW RED BAND CIRCUMFERENTIALLY PLACED ON THE OUTER SURFACE OF THE CYLINDRICAL SECTION OF PIPE COVERING NEAR THE END THEREOF. JOHNS-MANVILLE, INCORPORATED, New York, N. Y.
Filed June 2, 1923. Serial No. 181,488. PUBLISHED JULY 28, 1925.

204,577. PREPARED FOOD PRODUCT CONTAINING VITAMINS AND POSSESSING NOURISHING AND INVIGORATING PROPERTIES. HACO-GESELLSCHAFT A.-G. BERN, Berne, Switzerland.
Filed January 24, 1924. Serial No. 191,231. PUBLISHED JULY 28, 1925.

204,578. SPUN YARNS, LATH YARNS, AND FODDER YARNS. THE EDWIN H. FITLER CO., Philadelphia, Pa.
Filed February 7, 1924. Serial No. 191,947. PUBLISHED AUGUST 11, 1925.

204,579. SPUN YARNS, LATH YARNS, AND FODDER YARNS. THE EDWIN H. FITLER CO., Philadelphia, Pa.
Filed February 7, 1924. Serial No. 191,948. PUBLISHED MARCH 31, 1925.

204,580. NARROW FABRIC LACES. THE NARROW FABRIC CO., West Reading, Pa.
Filed April 19, 1924. Serial No. 195,827. PUBLISHED JULY 28, 1925.

204,581. PREPARED COCONUT. FRANKLIN BAKER COMPANY, Hoboken, N. J.
Filed May 28, 1924. Serial No. 197,743. PUBLISHED JULY 28, 1925.

204,582. PREPARED COCONUT. FRANKLIN BAKER COMPANY, Hoboken, N. J.
Filed May 28, 1924. Serial No. 197,748. PUBLISHED JULY 28, 1925.

204,583. PREPARED COCONUT. FRANKLIN BAKER COMPANY, Hoboken, N. J.
Filed May 28, 1924. Serial No. 197,752. PUBLISHED JULY 28, 1925.

204,584. CERTAIN NAMED GOODS. LA PORTE WOOLEN MILLS, La Porte, Ind.
Filed October 9, 1924. Serial No. 203,635. PUBLISHED MARCH 24, 1925.

204,585. MEN'S DRESS SHIRTS. TOBIAS KAPLAN, New York, N. Y.
Filed December 2, 1924. Serial No. 206,119. PUBLISHED JULY 28, 1925.

204,586. CANNED VEGETABLES—NAMELY, CANNED CORN. IROQUOIS CANNING CORPORATION, Onarga, Ill.
Filed January 15, 1925. Serial No. 208,144. PUBLISHED APRIL 28, 1925.

204,587. PATENT BARLEY, PEARL BARLEY, PATENT GROATS, OATMEAL, ROLLED OATS, RICE, MIXED SPICE, GINGER, CINNAMON, ARROWROOT, MUSTARD IN POWDERED OR LIQUID FORM. KREN, ROBINSON & COMPANY LIMITED, London, England.
Filed January 30, 1925. Serial No. 208,853. PUBLISHED AUGUST 4, 1925.

204,588. WATER-CIRCULATING PUMPS. AMERICAN GRINDER MFG. CO., Milwaukee, Wis.
Filed February 16, 1925. Serial No. 209,606. PUBLISHED JUNE 9, 1925.

204,589. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed February 16, 1925. Serial No. 209,635. PUBLISHED JULY 14, 1925.

204,590. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed February 16, 1925. Serial No. 209,637. PUBLISHED JULY 14, 1925.

204,591. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed February 16, 1925. Serial No. 209,639. PUBLISHED JULY 14, 1925.

204,592. CHEMICAL PORCELAINS. STAATLICHE PORZELLAN-MANUFAKTUR, Berlin, Germany.
Filed February 16, 1925. Serial No. 209,706. PUBLISHED AUGUST 4, 1925.

204,593. FISHING LINE. ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I.
Filed May 28, 1925. Serial No. 214,989. PUBLISHED JULY 28, 1925.

204,594. HANGING BAGS. CONVERTERS PAPER COMPANY, Newark, N. J.
Filed May 26, 1925. Serial No. 214,913. PUBLISHED JULY 28, 1925.

204,595. FROZEN CONFECTIONS GENERALLY COMPRISING A FROZEN CORE AND A CHOCOLATE COATING THEREFOR. ESKIMO PIE CORPORATION, Louisville, Ky.
Filed May 25, 1925. Serial No. 214,860. PUBLISHED AUGUST 4, 1925.

204,596. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. WOLVERINE BOTTLING WORKS, Detroit, Mich.
Filed May 22, 1925. Serial No. 214,767. PUBLISHED JULY 28, 1925.

204,597. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. WOLVERINE BOTTLING WORKS, Detroit, Mich.
Filed May 22, 1925. Serial No. 214,766. PUBLISHED JULY 28, 1925.

204,598. READY-MADE SUITS AND COATS FOR MEN. LEARS-ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed May 22, 1925. Serial No. 214,731. PUBLISHED JULY 28, 1925.

204,599. ICE CREAM. H. P. HOOD & SONS, INC., Boston, Mass.
Filed May 22, 1925. Serial No. 214,729. PUBLISHED JULY 28, 1925.

204,600. CHINAWARE AND CROCKERY. ARTHUR SCHILLER & SON, Chicago, Ill.
Filed May 21, 1925. Serial No. 214,693. PUBLISHED JULY 28, 1925.

204,601. SODA FOUNTAINS. THE LIQUID CARBONIC COMPANY, Chicago, Ill.
Filed May 20, 1925. Serial No. 214,602. PUBLISHED AUGUST 4, 1925.

204,602. CIGARETTES, SMOKING TOBACCO, AND CIGARS. PARK LANE CORPORATION, New York, N. Y.
Filed May 16, 1925. Serial No. 214,486. PUBLISHED JULY 28, 1925.

204,603. GLASS REAMERS FOR EXTRACTING FRUIT JUICES. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif.
Filed May 9, 1925. Serial No. 214,054. PUBLISHED JULY 28, 1925.

204,604. SILK AND COTTON ELASTIC CORD. W. NORMAN PERRY, Sr., doing business as Fergus Perry, Germantown, Philadelphia, Pa.
Filed May 8, 1925. Serial No. 214,031. PUBLISHED JULY 28, 1925.

204,605. ORE CONCENTRATORS. DEISTER MACHINE COMPANY, Fort Wayne, Ind.
Filed May 8, 1925. Serial No. 214,016. PUBLISHED JULY 21, 1925.

204,606. NONALCOHOLIC, MALTLESS SIRUP USED IN THE PREPARATION OF SOFT DRINKS. DRINK O'DRINK COMPANY, Philadelphia, Pa.
Filed June 10, 1925. Serial No. 215,557. PUBLISHED AUGUST 11, 1925.

204,607. HAMES AND PARTS THEREOF. U. S. HAME COMPANY, Buffalo, N. Y.
Filed June 8, 1925. Serial No. 215,487. PUBLISHED AUGUST 11, 1925.

204,608. POULTRY FOOD. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y.
Filed June 6, 1925. Serial No. 215,393. PUBLISHED AUGUST 4, 1925.

204,609. NONALCOHOLIC, MALTLESS FRUIT BEVERAGE SOLD AS A SOFT DRINK. SINTERS ORANGE MILL COMPANY OF NEW ENGLAND, Boston, Mass.
Filed June 4, 1925. Serial No. 215,316. PUBLISHED AUGUST 11, 1925.

204,610. WHEAT FLOUR. GORDON MEAD CAGLE, doing business as Sweetwater Roller Mills, Sweetwater, Tenn.
Filed June 4, 1925. Serial No. 215,293. PUBLISHED AUGUST 4, 1925.

204,611. CANDY. J. G. MCDONALD CHOCOLATE CO., Salt Lake City, Utah.
Filed June 3, 1925. Serial No. 215,262. PUBLISHED AUGUST 11, 1925.

204,612. BOTTLED NONALCOHOLIC, MALTLESS BEVERAGE AND SIRUPS USED IN MAKING SAME. JAMES M. LINDSEY, Montgomery, Ala.
Filed June 3, 1925. Serial No. 215,257. PUBLISHED AUGUST 11, 1925.

204,613. SHEETS AND PILLOWCASES. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed June 3, 1925. Serial No. 215,228. PUBLISHED AUGUST 4, 1925.

204,614. CANNED SOUP. PURE FOOD FACTORY "HANSA," Mamaroneck, N. Y.
Filed June 2, 1925. Serial No. 215,219. PUBLISHED AUGUST 11, 1925.

204,615. CANNED FRUITS — NAMELY, CANNED BARTLETT PEARS, CANNED YELLOW CLING PEACHES, CANNED APRICOTS, CANNED ROYAL ANNE CHERRIES. H. G. PRINCE & Co., Fruitvale, Oakland, Calif.
Filed May 29, 1925. Serial No. 215,096. PUBLISHED AUGUST 11, 1925.

204,616. FRESH CITROUS FRUITS. ANAHEIM ORANGE & LEMON ASSOCIATION, Anaheim, Calif.
Filed May 29, 1925. Serial No. 215,040. PUBLISHED AUGUST 11, 1925.

204,617. SILK TEXTILE AND SILK KNITTED FABRICS IN THE PIECE. TWENTIETH CENTURY KNITTING MILLS, INC., New York, N. Y.
Filed May 27, 1925. Serial No. 214,982. PUBLISHED AUGUST 4, 1925.

204,618. GLASS BOTTLES. SALEM GLASS WORKS, Salem, N. J.
Filed May 26, 1925. Serial No. 214,928. PUBLISHED JULY 28, 1925.

204,619. GLUES AND ADHESIVE CEMENT. ROYAL GLUE CO., Washington, D. C.
Filed May 26, 1925. Serial No. 214,927. PUBLISHED AUGUST 4, 1925.

204,620. GOLF CLUBS, GOLF BALLS, GOLF BAGS, AND BASEBALL BATS. RAWLINGS MANUFACTURING COMPANY, St. Louis, Mo.
Filed May 25, 1925. Serial No. 214,889. PUBLISHED AUGUST 11, 1925.

204,621. CANDY BARS. MUELLER-KELLER CANDY CO., St. Joseph, Mo.
Filed May 25, 1925. Serial No. 214,883. PUBLISHED AUGUST 11, 1925.

204,622. TIPS OR GRIPS FOR GOLF CLUBS. THE OHIO RUBBER AND TEXTILE COMPANY, Cleveland, Ohio.
Filed May 23, 1925. Serial No. 214,811. PUBLISHED AUGUST 11, 1925.

204,623. COMBINED HARVESTERS AND THRASHERS AND ATTACHMENTS AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed July 1, 1925. Serial No. 216,728. PUBLISHED AUGUST 11, 1925.

204,624. HAIR NETS. S. H. KRESS & Co., New York, N. Y.
Filed June 30, 1925. Serial No. 216,682. PUBLISHED AUGUST 11, 1925.

204,625. CANDY. WESTERN GROCER COMPANY, Marshalltown, Iowa.
Filed June 27, 1925. Serial No. 216,575. PUBLISHED AUGUST 11, 1925.

204,626. COFFEE AND TEA. THE WILLIAM BOARDMAN & SONS CO., Hartford, Conn.
Filed June 25, 1925. Serial No. 216,380. PUBLISHED AUGUST 11, 1925.

204,627. CANNED FRUIT. CALIFORNIA PRESERVING COMPANY, Los Angeles, Calif.
Filed June 24, 1925. Serial No. 216,320. PUBLISHED AUGUST 11, 1925.

204,628. FABRIC COMPOSED OF ARTIFICIAL SILK AND COTTON. BURTON BROS. & CO., INC., New York, N. Y.
Filed June 17, 1925. Serial No. 215,891. PUBLISHED JULY 28, 1925.

204,629. REFRACTORY BRICKS. SEABOARD REFRACTORIES COMPANY, Valentines, N. J.
Filed June 3, 1925. Serial No. 215,274. PUBLISHED JULY 28, 1925.

204,630. YARNS. R. H. MACY & Co., INC., New York, N. Y.
Filed June 3, 1925. Serial No. 215,259. PUBLISHED JULY 21, 1925.

204,631. FLUID-FUEL BURNERS. ROBT. C. HOPKINS, doing business as The Volcanic Specialties Co., Alliance, Ohio.
Filed June 2, 1925. Serial No. 215,206. PUBLISHED JULY 28, 1925.

204,632. WOOD AND COAL COOKING AND HEATING STOVES, COMBINATION COAL AND GAS RANGES, AND GAS RANGES. ADVANCE STOVE WORKS, Evansville, Ind.
Filed June 2, 1925. Serial No. 215,196. PUBLISHED JULY 28, 1925.

204,633. STAIR TREADS. HENDRICK MANUFACTURING COMPANY, Carbondale, Pa.
Filed May 29, 1925. Serial No. 215,068. PUBLISHED JULY 28, 1925.

204,634. GYPSUM AND LIME GYPSUM AND CEMENT PLASTER. SOUTHERN GYPSUM COMPANY, INCORPORATED, North Holston, Va.
Filed May 28, 1925. Serial No. 215,028. PUBLISHED JULY 28, 1925.



204,635. WATCHES, WATCH DIALS, WATCHCASES, AND WATCH MOVEMENTS. ACCRO BOND WATCH COMPANY, New York, N. Y.
Filed May 27, 1925. Serial No. 214,938. PUBLISHED JULY 28, 1925.

204,636. BRICKS. STREATOR BRICK COMPANY, Streator, Ill.
Filed May 23, 1925. Serial No. 214,881. PUBLISHED JULY 28, 1925.

204,637. LEATHERS. PFISTER & VOGEL LEATHER COMPANY, Milwaukee, Wis.
Filed May 22, 1925. Serial No. 214,745. PUBLISHED JULY 28, 1925.

204,638. FELT COVERINGS FOR PIANO ACTIONS CONSISTING OF FELT IN THE PIECE. MORGAN BROS., San Francisco, Calif.
Filed May 19, 1925. Serial No. 214,568. PUBLISHED JULY 28, 1925.

204,639. COVERED WIRE, INSULATED WIRE, INSULATED ELECTRICAL CONDUCTOR, AND HEATER CORD. DRIVER-HARRIS COMPANY, Harrison, N. J.
Filed May 13, 1925. Serial No. 214,241. PUBLISHED JULY 28, 1925.

204,640. COTTON PIECE GOODS. AUSTIN, POOR & GLEASON INC., New York, N. Y.
Filed June 24, 1925. Serial No. 216,312. PUBLISHED AUGUST 11, 1925.

204,641. TOY MUSICAL INSTRUMENTS—NAMELY, CORNETS, TROMBONES, BASS HORNS, SAXOPHONES, BUGLES, TRUMPETS, AND CLARINETS. BRINA M. CARLISLE, doing business as The Sonophone Company, Brooklyn, N. Y.
Filed June 23, 1925. Serial No. 216,255. PUBLISHED AUGUST 11, 1925.

204,642. FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES. TIETON COLD STORAGE CO., Tieton, Wash.
Filed June 22, 1925. Serial No. 216,237. PUBLISHED AUGUST 11, 1925.

204,643. FRESH CITROUS FRUITS — NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. RIVERSIDE HEIGHTS ORANGE GROWERS ASSOCIATION, Riverside, Calif.
Filed June 22, 1925. Serial No. 216,221. PUBLISHED AUGUST 11, 1925.

204,644. FRESH CITROUS FRUITS — NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. RIVERSIDE HEIGHTS ORANGE GROWERS ASSOCIATION, Riverside, Calif.
Filed June 22, 1925. Serial No. 216,220. PUBLISHED AUGUST 11, 1925.

204,645. FRESH CITROUS FRUITS — NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. LA VERNE CO-OPERATIVE CITRUS ASSOCIATION, La Verne, Calif.
Filed June 22, 1925. Serial No. 216,189. PUBLISHED AUGUST 4, 1925.

204,646. CANNED VEGETABLES AND COFFEE. MICHAEL FRERETS, Metuchen, N. J.
Filed June 22, 1925. Serial No. 216,167. PUBLISHED AUGUST 4, 1925.

204,647. PLAIN AND SELF-RISING WHEAT FLOUR. NASHVILLE ROLLER MILLS, Nashville, Tenn.
Filed June 19, 1925. Serial No. 216,067. PUBLISHED AUGUST 11, 1925.

204,648. GREEN ASPARAGUS. WOOD-CURTIS COMPANY, Sacramento, Calif.
Filed June 15, 1925. Serial No. 215,837. PUBLISHED AUGUST 4, 1925.

204,649. GREEN ASPARAGUS. WOOD-CURTIS COMPANY, Sacramento, Calif.
Filed June 15, 1925. Serial No. 215,836. PUBLISHED AUGUST 4, 1925.

204,650. MALT SIRUP. TERRANCE P. ROCHE, Detroit, Mich.
Filed June 15, 1925. Serial No. 215,821. PUBLISHED AUGUST 11, 1925.

204,651. MARSHMALLOWS. ROACH, TISDALE & Co., Minneapolis, Minn.
Filed June 15, 1925. Serial No. 215,820. PUBLISHED AUGUST 4, 1925.

204,652. FRESH FRUITS—NAMELY, FRESH APPLES, FRESH VEGETABLES, NAMELY, LETTUCE. NORTHWEST FRUIT DISTRIBUTORS, Seattle and Wenatchee, Wash.
Filed June 15, 1925. Serial No. 215,811. PUBLISHED AUGUST 4, 1925.

204,653. REFRIGERATORS OF ALL TYPES INCLUDING BUTCHER, HOTEL, FLORIST, AND RESTAURANT REFRIGERATORS, REFRIGERATOR COUNTERS, REFRIGERATOR CASES, REFRIGERATOR DISPLAY CASES, REFRIGERATOR FISH CHESTS, COOLERS, ICE CHESTS, MILK AND CREAM CABINETS, REFRIGERATOR DRAIN TRAPS, REFRIGERATOR UNITS AND PARTS THEREOF, REFRIGERATOR FIXTURES, REFRIGERATING PLANTS, REFRIGERATING MACHINERY AND APPARATUS, AND REFRIGERATING SYSTEMS AND PARTS THEREOF. OTTENHEIMER BROS., INC., Baltimore, Md.
Filed June 13, 1925. Serial No. 215,753. PUBLISHED AUGUST 4, 1925.

204,654. MALT SIRUP FOR FOOD PURPOSES. NATHAN WASSERSTROM, doing business as N. Wasserstrom & Sons, Columbus, Ohio.
Filed June 12, 1925. Serial No. 215,721. PUBLISHED AUGUST 4, 1925.

204,655. CITROUS FRUIT—NAMELY, FRESH ORANGES, GRAPEFRUIT, TANGERINES, LEMONS, AND LIMES. LATIMER MACCY, Frostproof, Fla.
Filed June 11, 1925. Serial No. 215,643. PUBLISHED AUGUST 11, 1925.

204,656. SOUND-RECORDING APPARATUS BY WHICH PHOTOGRAPH SOUND RECORDS ARE MADE ON FILMS, SOUND-RECORDING APPARATUS FOR THE PRODUCTION OF TALKING-MACHINE OR PHONOGRAPHIC RECORDS, SOUND RECORDS ADAPTED TO BE REPRODUCED IN A TALKING MACHINE OR PHONOGRAPH, PHOTOGRAPHIC SOUND RECORDS, FILMS BEARING PHOTOGRAPHIC SOUND RECORDS, AND MOVING-PICTURE RECORDS, AND APPARATUS FOR REPRODUCING SOUND FROM PHOTOGRAPHIC SOUND RECORDS. TRI-ERGON A.-G., Zurich, Switzerland.
Filed December 29, 1924. Serial No. 207,419. PUBLISHED JULY 28, 1925.

204,657. WATCHES, WATCH MOVEMENTS, AND PARTS THEREOF. JOSEPH GOTTLIEB, New York, N. Y.
Filed December 20, 1924. Serial No. 207,011. PUBLISHED JULY 28, 1925.

204,658. RADIO RECEIVING EQUIPMENT AND PARTS THEREOF CONSISTING OF RADIO RECEIVING SETS, COMPLETE KITS FOR MAKING RADIO RECEIVING SETS; VACUUM-TUBE SOCKETS, SWITCHES, RHEOSTATS, CONDENSERS, PLUGS, JACKS, BINDING POSTS, INSULATING PANELS, INSULATORS, AND TRANSFORMERS. RADIO RECEPTOR COMPANY, INC., New York, N. Y.
Filed February 21, 1925. Serial No. 210,010. PUBLISHED JULY 28, 1925.

204,659. ENAMELED AND PAINTED SLATE PRODUCTS. THE STRUCTURAL SLATE CO., Pen Argyl, Pa.
Filed February 24, 1925. Serial No. 210,090. PUBLISHED JULY 28, 1925.

204,660. SHOES OF LEATHER AND RUBBER, LEATHER AND FABRIC, RUBBER AND FABRIC, AND COMPOSITION OF THE SOCALLED HORN FIBER AND LEATHER BOARD. WM. H. WALKER & Co., Buffalo, N. Y.
Filed March 3, 1925. Serial No. 210,515. PUBLISHED JULY 28, 1925.

204,661. BREAD. MARTIN E. ESLINGER, doing business as Blue Ribbon Bakery, Fort Smith, Ark.
Filed March 12, 1925. Serial No. 210,894. PUBLISHED JULY 21, 1925.

204,662. TIRES AND TUBES. THE BETTER TIRES COMPANY, Chicago, Ill.
Filed March 14, 1925. Serial No. 211,004. PUBLISHED JULY 14, 1925.

204,663. TIRES AND TUBES. THE BETTER TIRES COMPANY, Chicago, Ill.
Filed March 14, 1925. Serial No. 211,005. PUBLISHED JULY 14, 1925.

204,664. TIRES AND TUBES. THE BETTER TIRES COMPANY, Chicago, Ill.
Filed March 14, 1925. Serial No. 211,006. PUBLISHED JULY 14, 1925.

204,665. TIRES AND TUBES. THE BETTER TIRES COMPANY, Chicago, Ill.
Filed March 14, 1925. Serial No. 211,007. PUBLISHED JULY 14, 1925.

204,666. TIRES AND TUBES. THE BETTER TIRES COMPANY, Chicago, Ill.
Filed March 14, 1925. Serial No. 211,008. PUBLISHED JULY 7, 1925.

204,667. TIRES AND TUBES. THE BETTER TIRES COMPANY, Chicago, Ill.
Filed March 14, 1925. Serial No. 211,009. PUBLISHED JULY 14, 1925.

204,668. TIRES AND TUBES. THE BETTER TIRES COMPANY, Chicago, Ill.
Filed March 14, 1925. Serial No. 211,010. PUBLISHED JULY 14, 1925.

204,669. CANDY-COVERED NUTS. ILLINOIS NUT PRODUCTS CO., Chicago, Ill.
Filed March 14, 1925. Serial No. 211,032. PUBLISHED JULY 14, 1925.

204,670. PEANUT BRITTLE. ILLINOIS NUT PRODUCTS CO., Chicago, Ill.
Filed March 14, 1925. Serial No. 211,033. PUBLISHED JULY 14, 1925.

204,671. WRIST-WATCH RIBBONS AND GARTER RIBBONS IN THE PIECE. HARGOOD RIBBON CO., New York, N. Y.
Filed March 20, 1925. Serial No. 211,356. PUBLISHED JULY 28, 1925.

204,672. BUILDING MATERIALS—NAMELY, CEMENT, CONCRETE, LIME, PLASTER, STUCCO, BRICKS, AND TILES. URBAIN BELLONI VOISIN, Herault, France.
Filed March 20, 1925. Serial No. 211,394. PUBLISHED JULY 14, 1925.

204,673. AUTOMOBILE BUMPERS. WELLS H. PRESS COMPANY, INC., Streator, Ill.
Filed March 28, 1925. Serial No. 211,490. PUBLISHED JULY 28, 1925.

204,674. ELECTRIC LIGHTING FIXTURES AND ELECTRIC LAMPS. ALBERT WAHLE CO., INC., New York, N. Y.
Filed April 1, 1925. Serial No. 212,053. PUBLISHED JULY 28, 1925.

204,675. BIRD HOUSES AND WINDMILLS. LE ROY B. FRARER, Woodbridge, Conn.
Filed April 11, 1925. Serial No. 212,550. PUBLISHED JULY 28, 1925.

204,676. HOSIERY. MCCALLUM HOSIERY CO., Northampton, Mass.
Filed May 5, 1925. Serial No. 213,840. PUBLISHED JULY 28, 1925.

204,677. DRESS, NEGLIGEE, AND WORK SHIRTS AND OVERALLS. CARTER DRY GOODS CO., Louisville, Ky.
Filed May 2, 1925. Serial No. 213,691. PUBLISHED JULY 28, 1925.

204,678. FRINGES, CORDS, GIMPS, BORDERS, TASSELS, POM POMS, ROSETTES, CORDS AND TASSELS, GALLOONS AS APPLIED OR USED FOR THE TRIMMING OF CURTAINS, PORTIÈRES, FURNITURE, LAMP SHADES, CUSHIONS, TABLE COVERS, AND OTHER ART OBJECTS FOR DECORATIVE PURPOSES. MORRIS BERNHARD COMPANY, New York, N. Y.
Filed May 2, 1925. Serial No. 213,685. PUBLISHED JULY 28, 1925.

204,679. BIAS-FOLD TAPE. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed April 30, 1925. Serial No. 213,592. PUBLISHED JULY 14, 1925.

204,680. DRESS PINS NOT OF PRECIOUS METAL. THE CONSOLIDATED SAFETY PIN COMPANY, Bloomfield, N. J.
Filed April 24, 1925. Serial No. 213,227. PUBLISHED JULY 14, 1925.

204,681. HOSIERY. JOHN ROCK HOSIERY COMPANY, INCORPORATED, New York, N. Y.
Filed April 22, 1925. Serial No. 213,148. PUBLISHED JULY 28, 1925.

204,682. HOSIERY. JOHN ROCK HOSIERY COMPANY, INCORPORATED, New York, N. Y.
Filed April 22, 1925. Serial No. 213,147. PUBLISHED JULY 28, 1925.

204,683. FOOTBALLS (ASSOCIATION AND RUGBY) AND FOOTBALL COVERS. WM. THOMLINSON LTD., Partick, Glasgow, Scotland.
Filed April 18, 1925. Serial No. 212,977. PUBLISHED AUGUST 4, 1925.

204,684. OPTICAL GOODS. CARL LINDSTRÖM AKTIENGESELLSCHAFT, Berlin, Germany.
Filed April 18, 1925. Serial No. 212,387. PUBLISHED JULY 28, 1925.

204,685. OPTICAL GOODS. CARL LINDSTRÖM AKTIENGESELLSCHAFT, Berlin Germany.
Filed April 8, 1925. Serial No. 212,386. PUBLISHED JULY 28, 1925.

204,686. OPTICAL GOODS. CARL LINDSTRÖM AKTIENGESELLSCHAFT, Berlin, Germany.
Filed April 8, 1925. Serial No. 212,385. PUBLISHED JULY 28, 1925.

204,687. INSECT NETTING FOR BABY CARRIAGES, CRIBS, OR THE LIKE. HARRIS BLUMENFELD, Bronx, N. Y.
Filed April 8, 1925. Serial No. 212,867. PUBLISHED JULY 14, 1925.

204,688. RHEUMATISM SALVE. BÄDER- U. VERKEHRS-A.-G., Berlin, Germany.
Filed April 6, 1925. Serial No. 212,228. PUBLISHED JULY 28, 1925.

204,689. MALT EXTRACT FOR FOOD PURPOSES. JOSEPH GROSSMAN, doing business as Kasdum Company, Steubenville, Ohio.
Filed March 19, 1925. Serial No. 212,222. PUBLISHED JULY 28, 1925.

204,690. TOOTHBRUSHES. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed April 2, 1925. Serial No. 212,101. PUBLISHED AUGUST 4, 1925.

204,691. DRESS SHIRTS AND NEGLIGEE SHIRTS. HARRY MARKS, Greensboro, N. C.
Filed March 20, 1925. Serial No. 211,864. PUBLISHED JULY 28, 1925.

204,692. CLOTHING. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed March 3, 1925. Serial No. 210,480. PUBLISHED JULY 28, 1925.



204,693. FLANNELETTE DIAPERS AND DIAPER CLOTH. TABAKIN BROS., Newark, N. J.
Filed February 28, 1925. Serial No. 210,822. PUBLISHED AUGUST 4, 1925.

204,694. SIRUP FOR MAKING NONALCOHOLIC, MALTLESS BEVERAGES. HENRY BARONE, doing business as The Tamo Company, Walpole, Mass.
Filed February 28, 1925. Serial No. 210,264. PUBLISHED JULY 28, 1925.

204,695. ICE CREAM, WATER ICES, AND SHERBETS. ANHEUSER BUSCH ICE & C. S. CO. INC., New York, N. Y.
Filed February 21, 1925. Serial No. 209,960. PUBLISHED JULY 28, 1925.

204,696. COASTER WAGONS, SCOOTERS, WHEELED VEHICLES, SOMEWHAT SIMILAR TO WHEELED SLEDS OR TOBOGGANS, AND SKI SCOOTERS OR SLEDS, PLAY CARS, PEDAL CARS, AND PULL MOTORS (A TOY VEHICLE PROPELLED BY THE ARMS OF THE RIDER.) HUNT, HELM, FERRIS & Co., Harvard, Ill.
Filed June 18, 1925. Serial No. 215,982. PUBLISHED JULY 28, 1925.

204,697. A PREPARATION FOR TREATING CORNS, BUNIONS, AND CALLI. COMET REMEDY COMPANY, Concord, N. C.
Filed June 17, 1925. Serial No. 215,893. PUBLISHED JULY 28, 1925.

204,698. TOILET PREPARATIONS—NAMELY, PERFUME, TOILET WATER, FACE POWDER, DUSTING POWDER, TALCUM POWDER, AND SACHET. LENTHERIC, INC., New York, N. Y.
Filed June 16, 1925. Serial No. 215,866. PUBLISHED JULY 28, 1925.

204,699. TOILET PREPARATIONS, PERFUME, TOILET WATER, FACE POWDER, DUSTING POWDER, TALCUM POWDER, SACHET, AND COMPACTS. LENTHERIC, INC., New York, N. Y.
Filed June 16, 1925. Serial No. 215,865. PUBLISHED JULY 28, 1925.

204,700. TOILET PREPARATIONS, PERFUME, TOILET WATER, FACE POWDER, DUSTING POWDER, TALCUM POWDER, AND SACHET. LENTHERIC, INC., New York, N. Y.
Filed June 16, 1925. Serial No. 215,864. PUBLISHED JULY 28, 1925.

204,701. PEANUT BUTTER. E. K. POND COMPANY, Chicago, Ill.
Filed June 15, 1925. Serial No. 215,816. PUBLISHED AUGUST 4, 1925.

204,702. ALIMENTARY PASTES. A. F. GHIGLIONE & SONS, INC., Seattle, Wash.
Filed June 15, 1925. Serial No. 215,784. PUBLISHED JULY 28, 1925.

204,703. HEALING SALVE. CORA B. CORNELIUS, Woodhaven, Long Island, N. Y.
Filed June 15, 1925. Serial No. 215,778. PUBLISHED AUGUST 4, 1925.

204,704. GENERAL RECONSTRUCTION TONIC. THE BEAR MEDICINE COMPANY, Sylva, N. C.
Filed June 15, 1925. Serial No. 215,767. PUBLISHED JULY 28, 1925.

204,705. PSYCHIC BOARD GAME. MATILDA R. WELLMAN, Montvale, N. J.
Filed June 12, 1925. Serial No. 215,722. PUBLISHED JULY 28, 1925.

204,706. MEDICINAL PREPARATION TO BE USED AS A TONIC AND RECONSTRUCTIVE AND RECUPERATIVE REMEDY. WILLIAM R. WARNER & Co., INC., New York, N. Y.
Filed June 11, 1925. Serial No. 215,669. PUBLISHED JULY 28, 1925.

204,707. CANNED FRUITS. G. W. HUME COMPANY, San Francisco, Calif.
Filed June 11, 1925. Serial No. 215,681. PUBLISHED JULY 28, 1925.

204,708. OINTMENT FOR THE RELIEF OF PILES. ALTILLI OINTMENT CO., South Bend, Ind.
Filed June 11, 1925. Serial No. 215,613. PUBLISHED JULY 28, 1925.

204,709. AIR CLEANERS FOR INTERNAL-COMBUSTION ENGINES. AC SPARK PLUG COMPANY, Flint, Mich.
Filed June 5, 1925. Serial No. 215,826. PUBLISHED AUGUST 4, 1925.

204,710. GELATIN DESSERT. WABASH CHEMICAL & BAKING POWDER CO., doing business as Wabash Baking Powder Company, Wabash, Ind.
Filed June 4, 1925. Serial No. 215,323. PUBLISHED JULY 28, 1925.

204,711. CARBURETORS, MANIFOLDS, AND CARBURETOR SYSTEMS. THE SWAN CARBURETOR COMPANY, Cleveland, Ohio.
Filed June 4, 1925. Serial No. 215,822. PUBLISHED AUGUST 4, 1925.

204,712. HOSIERY FOR MEN, WOMEN, AND CHILDREN. SCHUYLKILL VALLEY MILLS, INC., Spring City, Pa.
Filed June 4, 1925. Serial No. 215,315. PUBLISHED JULY 28, 1925.

204,713. GIRLS' COATS, SUITS, AND DRESSES. R. H. MACY & CO., INC., New York, N. Y.
Filed June 3, 1925. Serial No. 215,260. PUBLISHED JULY 28, 1925.

204,714. GIRLS' COATS, SUITS, AND DRESSES. R. H. MACY & CO., INC., New York, N. Y.
Filed June 3, 1925. Serial No. 215,261. PUBLISHED JULY 28, 1925.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)].

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

204,715. (CLASS 12. CONSTRUCTION MATERIALS.) F. G. CULBERTSON, doing business as Louisiana Chemical Co., Shreveport, La. Filed Aug. 11, 1925. Serial No. 218,687.

SURESET

*Particular description of goods.*—Preparation for Hastening the Setting of Cement and for Strengthening Cement.

*Claims use since Nov. 1, 1923.*

204,716. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GENERAL PORCELAIN ENAMELING & MFG. CO., Chicago, Ill. Filed July 30, 1925. Serial No. 218,119.

Veribrite

*Particular description of goods.*—Porcelain Enameled Iron and Steel Signs.

*Claims use since Aug. 13, 1923.*

204,717. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) FRANCIS E. O'CALLAGHAN, New York, N. Y. Filed July 22, 1925. Serial No. 217,732.

REGAL

*Particular description of goods.*—Nail, Hand, Bath, and Tooth Brushes.
*Claims use* since July 2, 1924.

204,718. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DUO-PRESS 214,314.

DUO-PRESS

*Particular description of goods.*—Plastic-Molding Machines.
*Claims use* since Jan. 1, 1924.

204,719. (CLASS 37. PAPER AND STATIONERY.) OSBORN PAPER COMPANY, Marion, Ind. Filed Apr. 27, 1925. Serial No. 213,397.

READY

*Particular description of goods.*—Paper and Stationery—Namely, Composition Books, Notebooks, Drawing Books, Theme Tablets, Examination Tablets, Writing Tablets, Typewriting Tablets, Loose-Leaf Binders, and Loose-Leaf Papers.
*Claims use* since Mar. 20, 1921.

204,720. (CLASS 15. OILS AND GREASES.) NATIONAL OIL & SUPPLY CO., Newark, N. J. Filed May 16, 1924. Serial No. 197,162.

VISCOS

*Particular description of goods.*—Lubricating Oils, Soluble Oils, and Lubricating Greases.
*Claims use* since 1902.

204,721. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MINE TO CONSUMER COAL CO., Martinsburg, W. Va. Filed Apr. 24, 1924. Serial No. 196,064.

Hi-KWALITY KOAL

*Particular description of goods.*—Coal.
*Claims use* since Mar. 1, 1924.

## TRADE-MARK REGISTRATIONS RENEWED

44,845. CORSETS. Registered July 25, 1905. J. SIEGEL & CO. Renewed July 25, 1925, to American Lady Corset Co., Detroit, Mich., a Corporation of Michigan, assignee.

45,472. SALVES, SOFT SALVES, OINTMENTS, OR UNGUENTS. Registered August 22, 1905. J. W. COLE & Co., Black River Falls, Wis. Renewed August 22, 1925, to The J. W. Cole Co., Rockford and Chicago, Ill., a Corporation of Illinois, assignee by mesne assignments.

45,540. BLEACHED, UNBLEACHED, PRINTED, AND DYED TEXTILE FABRICS. Registered August 22, 1905. THE EDDYSTONE MANUFACTURING COMPANY, Philadelphia and Eddystone, Pa. Renewed August 22, 1925, to The Eddystone Manufacturing Company, Eddystone, Pa., a Corporation of Pennsylvania.

46,408. CORSETS. Registered September 19, 1905. J. SIEGEL & Co. Renewed September 19, 1925, to American Lady Corset Co., Detroit, Mich., a Corporation of Michigan, assignee.

47,411. PRINTERS' QUOINS. Registered November 7, 1905. HEMPEL & DINGENS. Renewed November 7, 1925, to Magdalena Hempel, executrix of the estate of Henry A. Hempel, deceased, Buffalo, N. Y., assignee by mesne assignments.

47,414. GRASS, GRAIN, TIMOTHY, CLOVER, HEMP, CANARY, AND RAPE SEED. Registered November 7, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed November 7, 1925.

47,415. GRASS, GRAIN, TIMOTHY, CLOVER, HEMP, CANARY, AND RAPE SEED. Registered November 7, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed November 7, 1925.

47,416. GRASS, GRAIN, TIMOTHY, CLOVER, HEMP, CANARY, AND RAPE SEED. Registered November 7, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed November 7, 1925.

47,417. GRASS, GRAIN, TIMOTHY, CLOVER, HEMP, CANARY, AND RAPE SEED. Registered November 7, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed November 7, 1925.

47,467. SALVES FOR THE TREATMENT OF THE SKIN. Registered November 7, 1905. GEORGE C. WILSON. Renewed November 7, 1925, to Geo. C. Wilson, doing business as The Wilson Chemical Company, Tyrone, Pa.

47,470. WATCHES. Registered November 7, 1905. ELGIN NATIONAL WATCH CO., Elgin and Chicago, Ill., a Corporation of Illinois. Renewed November 7, 1925.



47,472. BOOKS. Registered November 7, 1905. L. C. PAGE & COMPANY. Renewed November 7, 1925, to L. C. Page & Company (Inc.), Boston, Mass., a Corporation of Massachusetts, successors.

47,508. WHEAT FLOUR. Registered November 7, 1905. WASHBURN-CROSBY COMPANY, Minneapolis, Minn., a Corporation of Minnesota. Renewed November 7, 1925.

47,539. A MEDICINAL FOOD PREPARED FROM WHEAT. Registered November 7, 1905. THE IMPERIAL GRANUM CO., New Haven, Conn., a Corporation of Connecticut. Renewed November 7, 1925.

47,550. PLAYING CARDS. Registered November 7, 1905. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Renewed November 7, 1925, to The New York Consolidated Card Company, Long Island City, N. Y., a Corporation of New York.

47,624. WHEAT FLOUR. Registered November 14, 1905. W. J. JENNISON COMPANY, Minneapolis, Minn., a Corporation of Minnesota. Renewed November 14, 1925.

47,631. LARD, TALLOW, LARD COMPOUNDS, AND SUBSTITUTES FOR LARD. Registered November 14, 1905. CUDAHY BROTHERS CO., Cudahy, Wis., a Corporation of Wisconsin. Renewed November 14, 1925.

47,636. STEEL. Registered November 14, 1905. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed November 14, 1925, to Crucible Steel Company of America, Pittsburgh, Pa., and New York, N. Y., a Corporation of New Jersey, assignee.

47,637. STEEL. Registered November 14, 1905. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed November 14, 1925, to Crucible Steel Company of America, Pittsburgh, Pa., and New York, N. Y., a Corporation of New Jersey, assignee.

47,638. STEEL. Registered November 14, 1905. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed November 14, 1925, to Crucible Steel Company of America, Pittsburgh, Pa., and New York, N. Y., a Corporation of New Jersey, assignee.

47,647. SHOES MADE OF LEATHER AND CANVAS. Registered November 14, 1905. WATSON SHOE CO., Lynn and Boston, Mass. Renewed November 14, 1925, to Watson Shoe Company, Lynn, Mass., a Corporation of Massachusetts.

47,665. HEMLOCK SOLE LEATHER. Registered November 14, 1905. THE UNITED STATES LEATHER COMPANY. Renewed November 14, 1925, to Central Leather Company, New York, N. Y., a Corporation of New Jersey, successor.

47,682. CANDY. Registered November 14, 1905. ENYMER & BROTHERS, INCORPORATED, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed November 14, 1925.

47,698. LEATHER BOOTS AND SHOES. Registered November 14, 1905. JORDAN MARSH COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed November 14, 1925.

47,713. A TRADE NEWSPAPER. Registered November 14, 1905. DAVID WILLIAMS COMPANY. Renewed November 14, 1925, to United Publishers Corporation, New York, N. Y., a Corporation of Delaware, assignee.

47,722. A MONTHLY MAGAZINE. Registered November 14, 1905. GEORGE H. PATTERSON and EDWARD C. THURNAU PUBLISHERS OFFICE APPLIANCES. Renewed November 14, 1925, to The Office Appliance Company, Chicago, Ill., a Corporation of Illinois, assignee.

47,735. MATERIAL FOR INSULATION. Registered November 14, 1905. THE ROESSLER & HASSLACHER CHEMICAL CO., New York, N. Y., a Corporation of New York. Renewed November 14, 1925.

47,768. COPPER. Registered November 21, 1905. BALTIMORE COPPER SMELTING & ROLLING COMPANY, Baltimore, Md., a Corporation of Maryland. Renewed November 21, 1925.

47,769. COPPER. Registered November 21, 1905. BALTIMORE COPPER SMELTING & ROLLING COMPANY, Baltimore, Md., a Corporation of Maryland. Renewed November 21, 1925.

47,772. LARD, LARD COMPOUNDS, TALLOW, AND SUBSTITUTES FOR LARD. Registered November 21, 1905. CUDAHY BROTHERS CO., Cudahy, Wis., a Corporation of Wisconsin. Renewed November 21, 1925.

47,774. A PREPARATION OF THE PROTEIDS OF BEEF. Registered November 21, 1905. FAIRCHILD BROS. & FOSTER, New York, N. Y., a Corporation of New York. Renewed November 21, 1925.

47,780. A REMEDY FOR BLOOD DYSCRASIA. Registered November 21, 1905. STRONG, COBB & Co., Cleveland, Ohio. Renewed November 21, 1925.

47,787. BALSAM. Registered November 21, 1905. A. DAVIS ASHLEY. Renewed November 21, 1925, to Red Sea Balsam Co., New Bedford, Mass., a Corporation of Massachusetts, assignee.

47,821. DOLLS. Registered November 21, 1905. B. ILLFELDER & Co., New York, N. Y. Renewed November 21, 1925.

47,830. MATTRESSES, PILLOWS, CUSHIONS, AND HASSOCKS. Registered November 21, 1905. OSTERMOOR & Co. Renewed November 21, 1925, to Ostermoor & Company, Inc., New York, N. Y., a Corporation of New York, assignee.

47,832. MATTRESSES, PILLOWS, CUSHIONS, AND HASSOCKS. Registered November 21, 1905. OSTERMOOR & Co. Renewed November 21, 1925, to Ostermoor & Company, Inc., New York, N. Y., a Corporation of New York, assignee.

47,840. LATHER BRUSHES AND BRUSHES FOR APPLYING FLUIDS TO SURFACES. Registered November 21, 1905. THE RUBBER & CELLULOID HARNESS TRIMMING COMPANY. Renewed November 21, 1925, to Rubber and Celluloid Products Company, Newark, N. J., a Corporation of New Jersey, assignee.

47,847. GLUE. Registered November 21, 1905. CUDAHY BROTHERS CO., Cudahy, Wis., a Corporation of Wisconsin. Renewed November 21, 1925.

47,895. READY MIXED PAINTS. Registered November 28, 1905. GEO. D. WETHERILL & Co., INC., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed November 28, 1925.

47,912. CHAIN BLOCKS FOR HOISTING MACHINERY. Registered November 28, 1905. JOHN G. SPEIDEL. Renewed November 28, 1925, to Speidel Elevator Corp., Reading, Pa., a Corporation of Pennsylvania, assignee, by mesne assignments.

47,914. CUTTERS FOR METAL PIPES. Registered November 28, 1905. THE BARNES TOOL COMPANY, New Haven, Conn., a Corporation of Connecticut. Renewed November 28, 1925.

47,920. A MEDICINAL PREPARATION FOR CATARRH, ASTHMA, HAY FEVER, AND LUNG TROUBLES. Registered November 28, 1905. DOCTOR BLOSSER COMPANY. Renewed November 28, 1925, to The Blosser Co., Atlanta, Ga., a Corporation of Georgia, successor.

47,925. OXID OF TIN. Registered November 28, 1905. THE ROESSLER & HASSLACHER CHEMICAL CO., New York, N. Y., a Corporation of New York. Renewed November 28, 1925.

47,940. COMPOUNDS FOR BLEACHING AND WASHING LINENS. Registered November 28, 1905. THE ROESSLER & HASSLACHER CHEMICAL CO., New York, N. Y., a Corporation of New York. Renewed November 28, 1925.

47,962. QUININE. Registered November 28, 1905. THE ROESSLER & HASSLACHER CHEMICAL CO., New York, N. Y., a Corporation of New York. Renewed November 28, 1925.

47,978. INK FOR BURNISHING THE EDGES AND BOTTOMS OF BOOTS AND SHOES. Registered December 5, 1905. C. L. HAUTHAWAY & SONS, INCORPORATED. Renewed December 5, 1925, to C. L. Hauthaway & Sons Inc., Boston, Mass., a Corporation of Massachusetts, assignee.

47,991. PLAYING CARDS. Registered December 5, 1905. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Renewed December 5, 1925, to The New York Consolidated Card Company, Long Island City, N. Y., a Corporation of New York.

48,000. LADIES' LEATHER BOOTS AND SHOES. Registered December 5, 1905. A. H. BERRY SHOE COMPANY, Portland, Me., a Corporation of Maine. Renewed December 5, 1925.

48,010. UPRIGHT PIANOS. Registered December 5, 1905. PAUL G. MEHLIN & SONS, New York, N. Y. Renewed December 5, 1925, to Paul G. Mehlin & Sons, West New York, N. J., a Corporation of New York, assignee.

48,031. BLOTTING PAPER. Registered December 5, 1905. STANDARD PAPER MFG. CO., Manchester, Va. Renewed December 5, 1925, to Standard Paper Mfg. Co., Richmond, Va., a Corporation of Virginia.

48,032. SPRING WORK AND WIRE-SPRING SUPPORTS FOR CHAIRS, SOFAS, BEDS, AND CARRIAGE SEATS. Registerd December 5, 1905. STAPLES & HANFORD CO., Newburgh, N. Y., a Corporation of New Jersey. Renewed December 5, 1925.

48,034. WIRE CLOTH. Registered December 5, 1905. THE GILBERT & BENNETT MANUFACTURING COMPANY, Georgetown, Conn., a Corporation of Connecticut. Renewed December 5, 1925.

48,035. WIRE NETTING FOR FENCING PURPOSES. Registered December 5, 1905. THE GILBERT & BENNETT MANUFACTURING COMPANY, Georgetown, Conn., a Corporation of Connecticut. Renewed December 5, 1925.

48,038. SEWING MACHINES AND PARTS THEREOF. Registered December 5, 1905. UNION SPECIAL MACHINE COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed December 5, 1925.

48,044. MEN'S HATS AND CAPS. Registered December 5, 1905. ALFRED MATTHEWS. Renewed December 5, 1925, to Ben Miller Hat Company, St. Louis, Mo., a Corporation of Missouri, successor.

48,048. COTTON DRILLS. Registered December 5, 1905. WELLINGTON, SEARS & CO., Boston, Mass. Renewed December 5, 1925.

48,066. DISTILLERS' DRIED GRAINS. Registered December 5, 1905. THE J. W. BILES CO., Cincinnati, Ohio. Renewed December 5, 1925, to The Ubiko Milling Company, St. Bernard, Ohio, a Corporation of Ohio, successor.

48,069. TEA. Registered December 5, 1905. BROWNELL & FIELD COMPANY, Providence, R. I., a Corporation of Rhode Island. Renewed December 5, 1925.

48,077. BAKING POWDER. Registered December 5, 1905. ROYAL BAKING POWDER COMPANY, New York, N. Y. Renewed December 5, 1925, to Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey.

48,084. DRIED BEANS. Registered December 5, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed December 5, 1925.

48,088. FABRIC FORMED OF WOVEN SPLINTS, STRIPS, OR SLATS, AND THREAD, CORD, OR WIRE FOR SHADES, SCREENS, CURTAINS, AND THE LIKE. Registered December 12, 1905. HOUGH SHADE CORPORATION, Janesville, Wis., a Corporation of Connecticut. Renewed December 12, 1925.

48,096. PERIODICAL MAGAZINES. Registered December 12, 1905. DOUBLEDAY, PAGE & CO., New York, N. Y. Renewed December 12, 1925, to Doubleday, Page & Co., Garden City, N. Y., a Corporation of New York.

48,097. LEAD PENCILS. Registered December 12, 1905. EAGLE PENCIL COMPANY. Renewed December 12, 1925, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

48,099. LEAD PENCILS. Registered December 12, 1905. EAGLE PENCIL COMPANY. Renewed December 12, 1925, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

48,100. LEAD PENCILS. Registered December 12, 1905. EAGLE PENCIL COMPANY. Renewed December 12, 1925, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

48,102. LEAD PENCILS. Registered December 12, 1905. EAGLE PENCIL COMPANY. Renewed December 12, 1925, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

48,103. LEAD PENCILS. Registered December 12, 1905. EAGLE PENCIL COMPANY. Renewed December 12, 1925, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

48,108. RUBBER BOOTS AND SHOES. Registered December 12, 1905. LAMBERTVILLE RUBBER COMPANY, Lambertville, N. J., a Corporation of New Jersey. Renewed December 12, 1925.

48,109. RUBBER BOOTS AND SHOES. Registered December 12, 1905. LAMBERTVILLE RUBBER COMPANY, Lambertville, N. J., a Corporation of New Jersey. Renewed December 12, 1925.

48,115. LEATHER BELTING. Registered December 12, 1905. THE GRATON AND KNIGHT MANUFACTURING COMPANY, Worcester, Mass., a Corporation of Massachusetts. Renewed December 12, 1925.

48,133. RUBBER BOOTS AND SHOES. Registered December 12, 1905. LAMBERTVILLE RUBBER COMPANY, Lambertville, N. J., a Corporation of New Jersey. Renewed December 12, 1925.

48,146. WHEAT FLOUR. Registered December 12, 1905. ACME MILLING COMPANY. Renewed December 12, 1925, to Acme-Evans Company, Indianapolis, Ind., a Corporation of Indiana, assignee.

48,147. ALE. Registered December 12, 1905. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa., a Corporation of Pennsylvania. Renewed December 12, 1925.

# LABELS

## REGISTERED OCTOBER 20, 1925.

29,336.—*Title:* THE 4 THINGS EASY TO DO TO PREVENT INFECTION. For First-Aid Packets. BAUER & BLACK, Chicago, Ill. Published June 9, 1925.

29,337.—*Title:* BAUER & BLACK SAFETY 4. For First-Aid Packets. BAUER & BLACK, Chicago, Ill. Published June 9, 1925.

29,338.—*Title:* BORTOBAN. For Liquid Used in the Treatment of Contagious Abortion in Cattle. OSCAR S. BERGQUIST, Galesville, Wis. Published March 12, 1925.

29,339.—*Title:* BLACKMAN'S ASTHMA REMEDY AND RELIEF. For a Liquid Medicine. CLARA BLACKMAN, St. Paul, Minn. Published August 7, 1925.

29,340.—*Title:* KERR'S MAYONNAISE. For Mayonnaise. LOUIS DEAL and MARTHA BELLE DEAL, doing business as David Kerr, Baltimore, Md. Published August 1, 1925.

29,341.—*Title:* KERR'S RELISH. For Relish. LOUIS DEAL and MARTHA BELLE DEAL, doing business as David Kerr, Baltimore, Md. Published August 1, 1925.

29,342.—*Title:* DIRECTIONS. For Varnishes and Enamels. NORMAN A. FISHER, Los Angeles, Calif. Published September 15, 1925.

29,343.—*Title:* FISHER'S BAK-E-NAM-EL. For Varnishes and Enamels. NORMAN A. FISHER, Los Angeles, Calif. Published September 15, 1925.

29,344.—*Title:* JACKIE BOY. For Fresh Apples. GRAVENSTEIN APPLE GROWERS CO-OPERATIVE ASSOCIATION OF SONOMA COUNTY, Sebastopol, Calif. Published September 4, 1925.

29,345.—*Title:* INTERNATIONAL. For Barley Malt Extract. MAX HOCHBERG, Brooklyn, N. Y. Published August 7, 1925.

29,346.—*Title:* RUNFRE SALT. For Salt. INTERNATIONAL SALT COMPANY, INC., New York, N. Y. and Scranton, Pa. Published April 1, 1925.

29,347.—*Title:* SAHARA. For Ginger Ale. JETTER BEVERAGE COMPANY, Omaha, Nebr. Published July 18, 1925.

29,348.—*Title:* COFFEOLA. For Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published September 5, 1925.

29,349.—*Title:* MYSTICO, THE PERFECT RUG AND CARPET CLEANER. For a Chemical Compound for Cleaning Rugs and Carpets. LOUIS LASKOW, doing business as The "L" Specialty Company, St. Louis, Mo. Published June 11, 1925.

29,350.—*Title:* TOM HUGHES. For Cigars. LA VERA CIGAR CO., Chicago, Ill. Published July 11, 1925.

29,351.—*Title:* BEST-EVER. For a Chemical Cleaning Compound. GODFREY T. LOVEGRAN, Rockford, Ill. Published July 1, 1925.

29,352.—*Title:* RUSSIAN CREAM METAMORPHOSE. For a Skin Salve and Cream. SAMUEL L. MILLER, doing business as S. L. Miller Company, Pittsburgh, Pa. Published September 12, 1925.

29,353.—*Title:* COLUMBIA HIGH TENSION RADIO "C" BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published September 1, 1925.

29,354.—*Title:* NICHOLSON'S FANCY BRAND. For Potatoes. HARRY G. NICHOLSON, Rice Lake, Wis. Published August 29, 1925.

29,355.—*Title:* SNOBOY. For Fresh Apples. NORTHWEST FRUIT DISTRIBUTORS, Seattle, Wash. Published August 14, 1925.

29,356.—*Title:* STANDBY. For Fresh Apples. NORTHWEST FRUIT DISTRIBUTORS, Seattle, Wash. Published August 14, 1925.

29,357.—*Title:* THE CUSHIONED CORK CENTER BALL. For Baseballs. A. J. REACH COMPANY, Philadelphia, Pa. Published May 1, 1925.

29,358.—*Title:* PEARL CONFETTI. For Crushed Shells. RINGLER ROSE CO., Chicago, Ill. Published July 1, 1925.

29,359.—*Title:* MOUND CITY. For Bread. SAINT LOUIS BREAD COMPANY, St. Louis, Mo. Published July 15, 1925.

29,360.—*Title:* DEVIL-BRICK. For Chili Con Carne. ANTONIO SANCHES, doing business as Devil Brick Chili Co., San Antonio, Tex. Published April 27, 1925.

29,361.—*Title:* SELECTED EGGS. For Eggs. W. A. SCHURMANN & COMPANY, INC., Chicago, Ill. Published February 15, 1924.

29,362.—*Title:* SHU-MILK. For Preparation for Cleaning All Kinds of White Shoes. SHU-MILK PRODUCTS CORP., Newark, N. J. Published August 28, 1925.

29,363.—*Title:* ADVENTURES OF TOM SAWYER AND HUCK FINN. For a Game. STOLL & EDWARDS CO. INC., New York, N. Y. Published August 10, 1925.

29,364.—*Title:* LIQUID SUNSHINE. For Metal and Wood Polish. SUNSHINE LABORATORIES, INC., Portland, Oreg. Published June 15, 1925.

29,365.—*Title:* PUTSIT-KEEPSIT. For Hair Tonic. WILLIAM VERRIER, Asbury Park, N. J. Published July 22, 1925.

29,366.—*Title:* POLYCHROME. For Shingles. H. F. WATSON CO., Erie, Pa., and Chicago, Ill. Published July 2, 1925.

29,367.—*Title:* WILBUR'S PREPARED COCOA CUBES. For Cocoa and Sugar Molded into Cubical Form. H. O. WILBUR & SONS, INCORPORATED, Philadelphia, Pa. Published August 4, 1925.

29,368.—*Title:* SAILOR BOY. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published January 16, 1925.

29,369.—*Title:* YOUNG'S ASTHMA REMEDY. For a Medicinal Preparation. CHARLES N. YOUNG, Pittsburgh, Pa. Published July 8, 1925.

29,370.—*Title:* YOUR IDEAL DUST-CLOTH. For Dust Cloths. SAMUEL MAX ZELINKOFF, Tulsa, Okla. Published June 1, 1925.

# REISSUES

## OCTOBER 20, 1925.

16,187. HINGE. Joseph Soss, Brooklyn, N. Y. Filed May 10, 1924. Serial No. 712,460. Original No. 1,477,193, dated Dec. 11, 1923, Serial No. 570,446, filed June 23, 1922. 16 Claims. (Cl. 16—185.)

1. A hinge of the class described, one of the butts of which is composed of a sheet metal shell or facing member provided with a curved end, a core or filler member for said first named member and conforming with the general shape of said first named member and that portion of said last named member within the curved end portion of the first named member being provided with independent bearing members adapted to receive the usual pivot pin for joining the separate butts of the hinge together.

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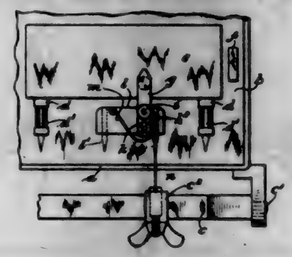
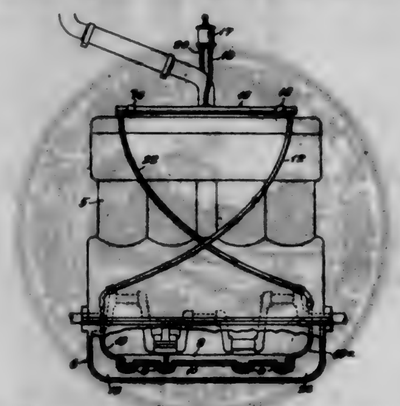
16,188. SHEET ADJUSTER FOR PRINTING PRESSES. Henry S. Hornbeck, Riverhead, N. Y., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 14, 1925. Serial No. 43,634. Original No. 1,479,914, dated Jan. 8, 1924, Serial No. 520,909, filed Dec. 6, 1921. 8 Claims. (Cl. 101—414.)



2. A sheet adjuster for platen printing presses comprising a base, a sheet-engaging member associated with said base so as to have lengthwise and sidewise movement with respect thereto, for registering a sheet endwise and sidewise; means for securing said base on the platen in adjusted positions lengthwise or laterally of the latter, and means for actuating said sheet-engaging member.

16,189. OIL FEEDER FOR INTERNAL-COMBUSTION ENGINES. Albert E. Nicholls, Brea, Calif. Filed Apr. 29, 1924. Serial No. 709,997. Original No. 1,423,677, dated July 25, 1922, Serial No. 470,946, filed May 17, 1921. 7 Claims. (Cl. 184—6.)



7. The combination with an internal combustion engine having main bearings and an oil pan provided with troughs, of an oil manifold secured to said engine; pipes connected to said manifold and discharging onto the main bearings, said pipes being inclined and crossed; and means for directing oil from said main bearings to the troughs in said pan.

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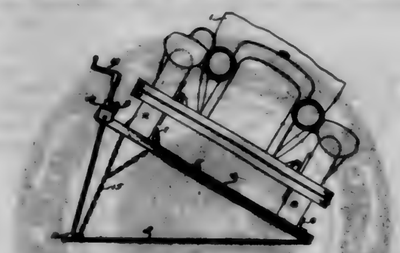
16,190. AUTOMOBILE LIFT. Fred Quinn, Oliver, Ill. Filed Mar. 20, 1925. Serial No. 17,090. Original No. 1,526,232, dated Feb. 10, 1925, Serial No. 691,634, filed Feb. 6, 1924. 5 Claims. (Cl. 214—1.)



1. In a device of the character described, a stationary base, a member hingedly connected to said base, said member comprising a pair of transverse wheel engaging bars spaced from each other a distance less than the diameter of a motor vehicle wheel, means for elevating the free end of said member, and means for preventing transverse movement of the wheels of a vehicle arranged on said member.

# DESIGNS

## OCTOBER 20, 1925.

68,504. PLATE OR SIMILAR ARTICLE OF MANUFACTURE. HARRY G. AITKEN, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a Corporation of New York. Filed June 8, 1925. Serial No. 18,696. Term of patent 14 years.

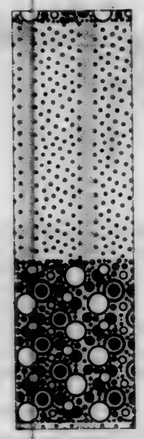
The ornamental design for a plate or similar article of manufacture, substantially as shown.

68,505. PLATE OR SIMILAR ARTICLE OF MANUFACTURE. HARRY G. AITKEN, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a Corporation of New York. Filed June 8, 1925. Serial No. 18,697. Term of patent 14 years.

The ornamental design for a plate or similar article of manufacture, substantially as shown.

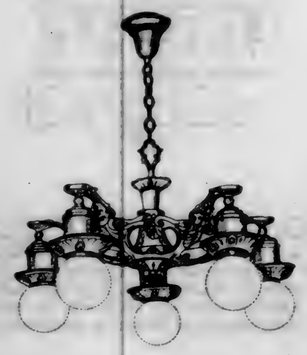


68,506. PRINTED FABRIC. LEO BLUHM, New York, N. Y. Filed Aug. 4, 1925. Serial No. 14,314. Term of patent 3½ years.



The ornamental design for a printed fabric as shown.

68,507. CHANDELIER. JOHN A. BOEHRINGER, Springfield, N. Y. Filed July 16, 1925. Serial No. 14,110. Term of patent 3½ years.



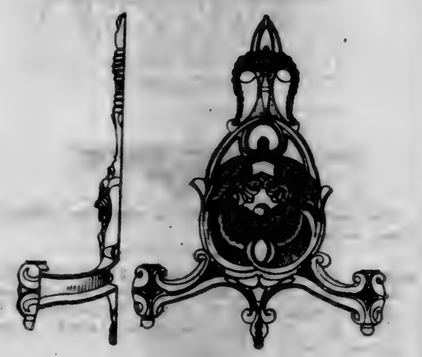
The ornamental design for a chandelier, as shown.



68,508. MATCH HOLDER. EUGENE S. BOUDINOT, Webster City, Iowa. Filed July 14, 1924. Serial No. 10,141. Term of patent 3½ years.

The ornamental design for a match holder, as shown.

68,509. ELECTRIC-LIGHTING FIXTURE. EDWARD BRANDT and HILIA J. BARTON, Detroit, Mich. Filed Aug. 17, 1925. Serial No. 14,505. Term of patent 7 years.



The ornamental design for an electric lighting fixture as shown.

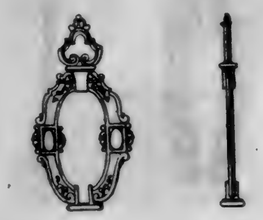
68,510. CANDY BOX. JOHN E. CHRISTENSEN and HARRY P. MCNERNEY, Chicago, Ill. Filed Oct. 6, 1923. Serial No. 7,413. Term of patent 14 years.

The ornamental design for a candy box, as shown.

68,511. LOOP FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed July 15, 1925. Serial No. 14,086. Term of patent 7 years.

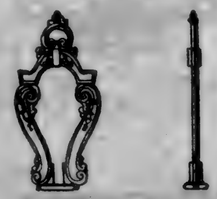
The ornamental design for a loop for lighting fixtures, as shown.

68,512. LOOP FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed July 15, 1925. Serial No. 14,087. Term of patent 7 years.



The ornamental design for a loop for lighting fixtures, as shown.

68,513. LOOP FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed July 15, 1925. Serial No. 14,088. Term of patent 7 years.

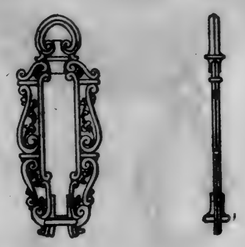


The ornamental design for a loop for lighting fixture as shown.

68,514. LOOP FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed July 15, 1925. Serial No. 14,089. Term of patent 7 years.

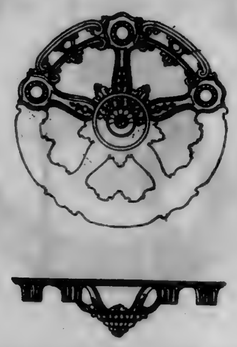
The ornamental design for a loop for lighting fixtures, as shown.

68,515. LOOP FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed July 15, 1925. Serial No. 14,090. Term of patent 7 years.



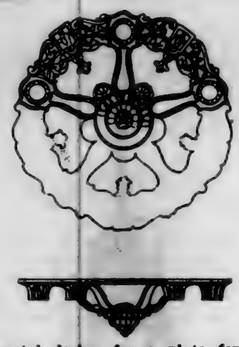
The ornamental design for a loop for lighting fixtures, as shown.

68,516. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed July 15, 1925. Serial No. 14,091. Term of patent 7 years.



The ornamental design for a plate for lighting fixtures, as shown.

68,517. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed July 15, 1925. Serial No. 14,092. Term of patent 7 years.

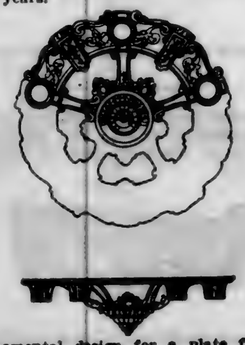


The ornamental design for a plate for lighting fixtures, as shown.

68,518. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed July 15, 1925. Serial No. 14,093. Term of patent 7 years.

The ornamental design for a plate for lighting fixtures, as shown.

68,519. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed July 15, 1925. Serial No. 14,094. Term of patent 7 years.



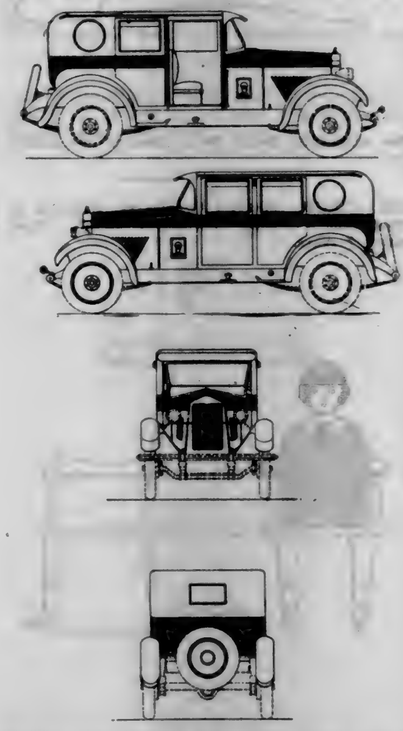
The ornamental design for a plate for lighting fixtures, as shown.



68,520. COAT. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co. Inc., New York, N. Y., a Corporation of New York. Filed July 21, 1925. Serial No. 14,158. Term of patent 3½ years.

The ornamental design for a coat, as shown and described.

68,521. VEHICLE BODY. BENJAMIN DECKHOFF, New York, N. Y. Filed July 2, 1925. Serial No. 13,977. Term of patent 3½ years.

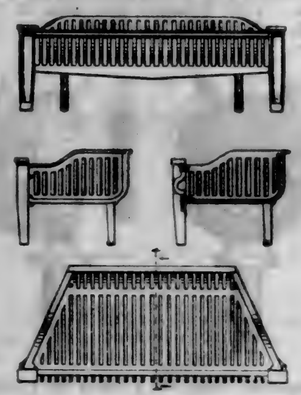


The ornamental design for a vehicle body as shown.

68,522. SHINGLE STRIP. CHARLES W. DOHM, Baltimore, Md., assignor to The Continental Roofing and Manufacturing Company, Baltimore, Md., a Corporation of Maryland. Filed June 8, 1925. Serial No. 13,649. Term of patent 14 years.

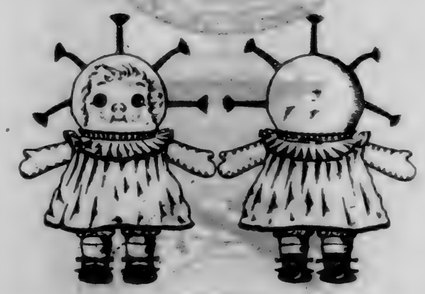
The ornamental design for a shingle strip as shown.

68,523. FIREPLACE BASKET. GEORGE W. DONLEY, Cleveland, Ohio, assignor to The Donley Brothers Company, Cleveland, Ohio, a Corporation. Filed Nov. 1, 1922. Serial No. 4,185. Term of patent 14 years.



The ornamental design for a fireplace basket, substantially as shown.

68,524. DOLL. GRACE G. DRAYTON, New York, N. Y., assignor to Averill Manufacturing Corporation, New York, N. Y., a Corporation of New York. Filed June 11, 1924. Serial No. 9,850. Term of patent 3½ years.

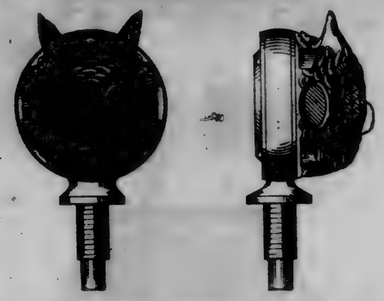


The ornamental design for a doll as shown.

68,525. SWIMMING RING. ALBERT J. ELDON, Mount Vernon, N. Y., assignor to The Paramount Rubber Cons., Inc., Tuckahoe, N. Y., a Corporation of Delaware. Filed Jan. 19, 1925. Serial No. 12,087. Term of patent 7 years.

The ornamental design for a swimming ring substantially as shown.

68,526. CASING FOR A TEMPERATURE-INDICATING DEVICE. IRVING FLORMAN, New York, N. Y. Filed June 29, 1925. Serial No. 13,943. Term of patent 14 years.

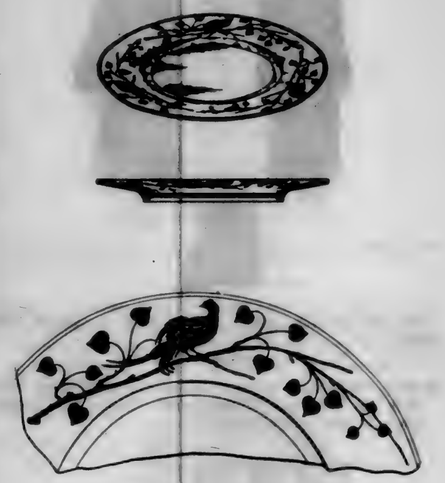


The ornamental design for a casing for a temperature indicating device, as shown.

68,527. PLATE OR LIKE ARTICLE. ALFRED FRIEDRICH, New York, N. Y., assignor to National Silver Deposit Ware Co., Inc., New York, N. Y., a Corporation of New York. Filed June 27, 1925. Serial No. 13,924. Term of patent 7 years.

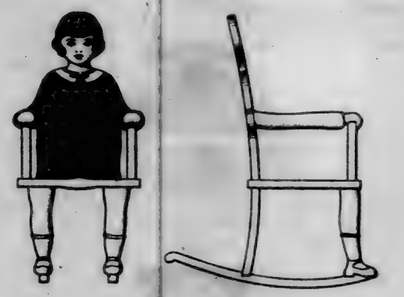
The ornamental design for a plate or like article, as shown.

68,528. PLATE OR LIKE ARTICLE. ALFRED FRIEDRICH, New York, N. Y., assignor to National Silver Deposit Ware Co., Inc., New York, N. Y., a Corporation of New York. Filed June 27, 1925. Serial No. 13,925. Term of patent 7 years.



The ornamental design for a plate or like article, as shown.

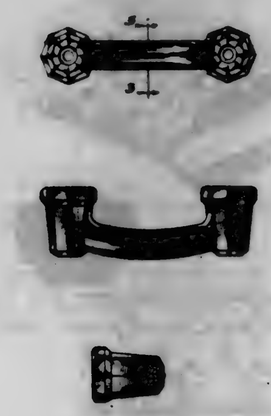
68,529. CHAIR. MARTHA COX GRAFF, Bayonne, N. J. Filed June 13, 1925. Serial No. 13,775. Term of patent 7 years.



The ornamental design for a chair as shown.

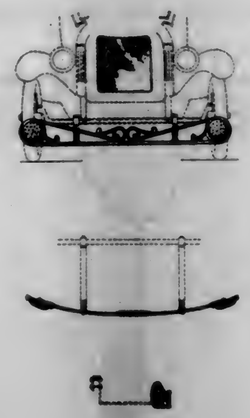


68,530. DRAWER HANDLE. GRANVILLE H. GRAY, Santa Ana, Calif., assignor to Brock Glass Company, Santa Ana, Calif., a Corporation of California. Filed July 18, 1925. Serial No. 14,139. Term of patent 14 years.



The ornamental design for a drawer handle as shown.

68,531. AUTOMOBILE BUMPER. OTTO GUIDOTTI, Buffalo, N. Y. Filed Aug. 7, 1925. Serial No. 14,335. Term of patent 14 years.



The ornamental design for an automobile bumper, substantially as shown.

68,532. TIRE TREAD. CHESTER O. HENDERSON, Columbus, Ohio, assignor to Henderson Tire & Rubber Co., Inc., Columbus, Ohio. Filed Sept. 27, 1922. Serial No. 8,880. Term of patent 7 years.

The ornamental design for a tire tread, substantially as shown.

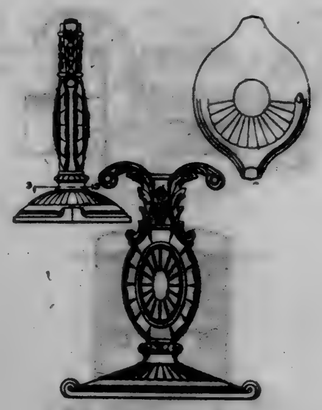
68,533. VEHICLE BODY. LIONEL MANUEL HENDLER, Baltimore, Md. Filed July 24, 1925. Serial No. 14,204. Term of patent 14 years.

The ornamental design for a vehicle body, substantially as shown.

68,534. PUSH-THROUGH SWITCH. WILLIAM ISH, Jackson, Mich. Filed July 29, 1925. Serial No. 14,260. Term of patent 14 years.

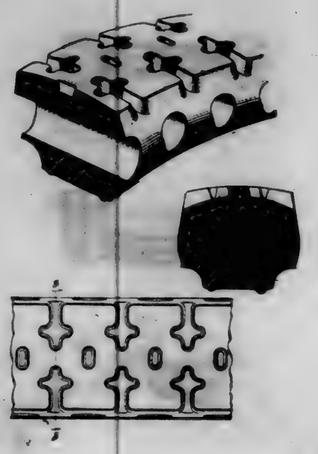
The ornamental design for a pushed through switch.

68,535. LAMP BASE. FRANK M. KATS, New York, N. Y., assignor to Frank M. Kats & Co., Inc., New York, N. Y. Filed Nov. 17, 1923. Serial No. 7,805. Term of patent 3½ years.



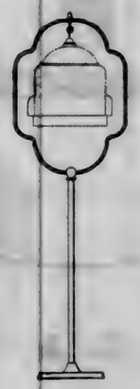
The ornamental design for a lamp base, as shown.

68,536. TIRE. WILLIAM LAMBERT, San Francisco, Calif., assignor to Lambert Tire & Rubber Co., Barberton, Ohio, a Corporation of Arizona. Filed Feb. 18, 1925. Serial No. 12,406. Term of patent 14 years.



The ornamental design for a tire substantially as shown.

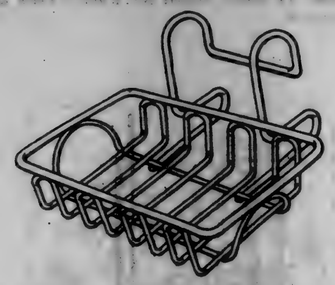
68,537. BIRDCAGE STAND. LEWICKI J. LEON, Chicago, Ill. Filed Apr. 23, 1925. Serial No. 13,204. Term of patent 14 years.



The ornamental design for a birdcage stand, as shown.



68,538. SOAP DISH OR SIMILAR ARTICLE. HENRY H. MOINEAU, Marlboro, Mass. Filed Aug. 17, 1921. Serial No. 493,190. Term of patent 14 years.

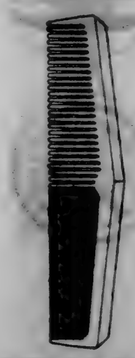


The ornamental design for a soap dish or similar article, as shown.

68,539. BOX. JAMES MONTGOMERY, New York, N. Y., assignor to Wallace & Co., Brooklyn, N. Y., a Corporation of New Jersey. Filed Dec. 19, 1924. Serial No. 11,753. Term of patent 7 years.

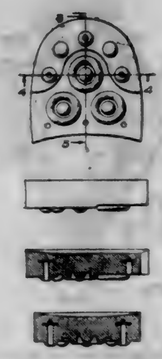
The ornamental design for a box substantially as shown.

68,540. COMB. GEORGE H. NEVIUS, Shrewsbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 26, 1923. Serial No. 5,944. Term of patent 7 years.



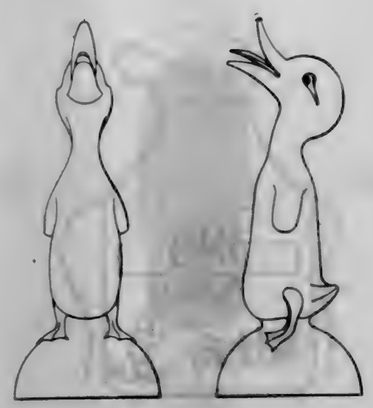
The ornamental design for a comb, as shown.

68,541. SHOE HEEL. EVERETT T. PACKARD, Avon, Mass. Filed Nov. 23, 1922. Serial No. 4,876. Term of patent 14 years.



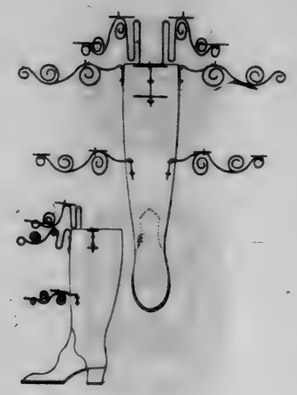
The ornamental design for a shoe heel as shown.

68,542. CRUET. EDWARD O. PARKER, Brooklyn, N. Y., assignor to Herman C. Kupper, Inc., New York, N. Y., a Corporation of New York. Filed June 9, 1924. Serial No. 9,838. Term of patent 7 years.



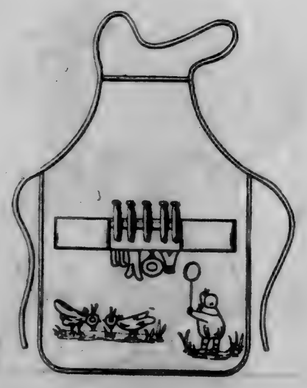
The ornamental design for a cruet as shown.

68,543. SHOE STAND. JOHN PASYNSKI, San Francisco, Calif. Filed Oct. 30, 1923. Serial No. 7,629. Term of patent 7 years.



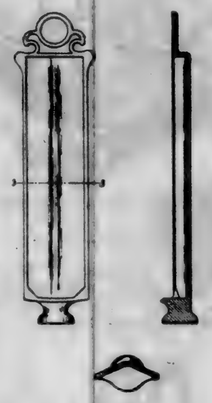
The ornamental design for a shoe stand, as shown.

68,544. CHILD'S APRON. CAROLINE A. PETERS, Los Angeles, Calif. Filed May 23, 1925. Serial No. 13,550. Term of patent 7 years.



The ornamental design for a child's apron, as shown.

68,545. THERMOMETER CASING. JAMES REID, Syracuse, N. Y., assignor to Pierce, Butler & Pierce Manufacturing Corporation, Syracuse, N. Y., a Corporation. Filed Mar. 14, 1923. Serial No. 5,465. Term of patent 14 years.



The ornamental design for a thermometer casing, substantially as shown.

68,546. JEWELRY-DISPLAY CONTAINER. EVERETT IRVING ROGERS, Jr., Providence, R. I. Filed Dec. 1, 1922. Serial No. 4,454. Term of patent 3½ years.

The ornamental design for a jewelry display container, as shown and described.



68,547. GAME BOARD. JOSEPH A. SCOTT, Shelby, Iowa. Filed Aug. 7, 1924. Serial No. 10,390. Term of patent 7 years.

The ornamental design for a game board, as shown.

68,548. TOY. CARL F. SHIDLER, Portland, Me. Filed July 14, 1925. Serial No. 14,081. Term of patent 14 years.

The ornamental design for a toy, as shown.

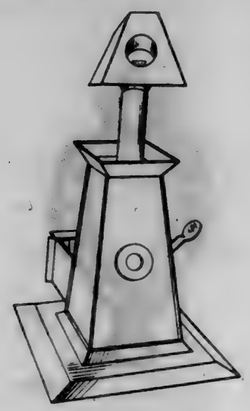
68,549. WALL BRACKET. GUSTAVE SHENKEL, Brooklyn, N. Y. Filed July 20, 1925. Serial No. 14,143. Term of patent 7 years.

The ornamental design for a wall bracket, as shown.

68,550. DRESS. MAUDE SIEGEL, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 8, 1922. Serial No. 4,454. Term of patent 3½ years.

The ornamental design for a dress, as shown and described.

68,551. CIGAR LIGHTER. EDWARD SIMON, Montreal, Quebec, Canada. Filed June 22, 1925. Serial No. 13,841. Term of patent 7 years.

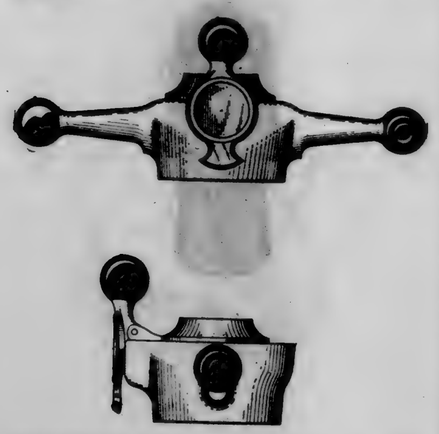


The ornamental design for a cigar lighter, as shown.

68,552. SHINGLE. HILDING A. SJODAHL, Cincinnati, Ohio. Filed June 28, 1924. Serial No. 10,002. Term of patent 14 years.

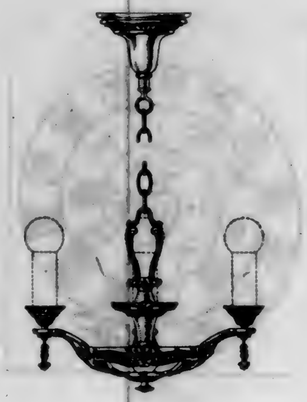
The ornamental design for a shingle, as shown.

68,553. RADIATOR CAP. LAURENCE A. SWEET, Los Angeles, Calif., assignor to Laurence A. Sweet Manufacturing Company, a Corporation of California. Filed Nov. 26, 1924. Serial No. 11,491. Term of patent 14 years.



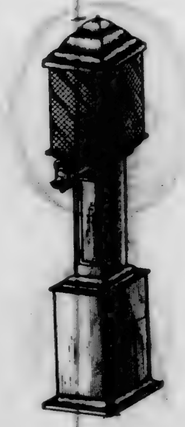
The ornamental design for a radiator cap substantially as shown.

68,554. CHANDELIER. HARRY TEPPER, Brooklyn, N. Y., assignor to Apex Chandelier Co. Inc., New York, N. Y., a Corporation of New York. Filed July 25, 1925. Serial No. 14,213. Term of patent 3½ years.



The ornamental design for a chandelier, as shown.

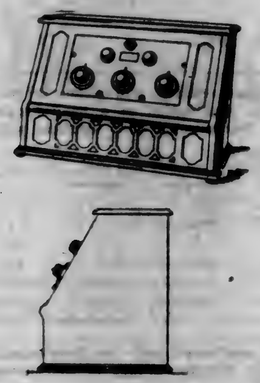
68,555. CASING FOR A GASOLINE-DISPENSING PUMP. WILLIAM S. TOWNSEND, Rochester, Pa., assignor to Guarantee Liquid Measure Company, Rochester, Pa., a Corporation of Delaware. Filed June 20, 1924. Serial No. 9,928. Term of patent 14 years.



The ornamental design for casing for a gasoline dispensing pump, as shown.

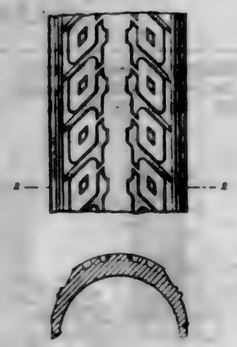


68,556. RADIOCABINET. KELLY M. TURNER, Los Angeles, Calif. Filed July 15, 1925. Serial No. 14,100. Term of patent. 7 years.



The ornamental design for a radiocabinet, as shown.

68,557. TIRE TREAD. PARK E. WELTON, Cuyahoga Falls, Ohio, assignor to The Paul Rubber Company, Salisbury, N. C., a Corporation of North Carolina. Filed Jan. 27, 1923. Serial No. 5,019. Term of patent 7 years.

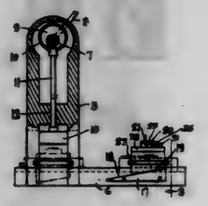


The ornamental design for a tire tread substantially as shown.

# PATENTS

## GRANTED OCTOBER 20, 1925.

1,557,542. EMBOSSING-PRESS TYPE AND STRIP HOLDER. BRYANT L. AKINS, Brooklyn, N. Y. Filed Apr. 11, 1925. Serial No. 22,254. 7 Claims. (Cl. 101—8.)



1. In an embossing press, a pressing head, an embossing type carrier, a work carrying table movable toward and away from said head, and means for raising and lowering the type carrier automatically during movement of said table.

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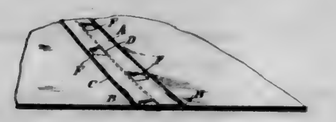
1,557,543. LINOLEUM-BINDING STRIP. ARCHIE A. ALLEN, Sturgis, Mich., assignor to Kirsch Manufacturing Company, Sturgis, Mich., a Corporation of Michigan. Filed Feb. 14, 1924. Serial No. 692,650. 8 Claims. (Cl. 154—49.)



1. A linoleum binder comprising a strip of flexible sheet metal provided along its side edges with bevel-flanges presenting sharp edge portions adapted to become embedded in the linoleum and provided with L-shaped projections between said side edges, the free end portions of said projections opposing the sharp edges of said bevel-flanges, the edge portions of abutting strips of linoleum adapted to be received between said free end portions of said projections and the body portion of said strip.

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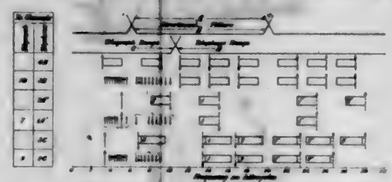
1,557,544. CARRIER FREQUENCY ARRANGEMENT. HERMAN A. AFFEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 18, 1924. Serial No. 707,494. 5 Claims. (Cl. 179—15.)

1. A selective arrangement to be employed in connection with a multiplex carrier system in which the carrier range is divided into two subranges, each of which is split into two directional groups of channels transmitting in opposite directions of which the adjacent groups of the two subranges are operated in the same direction, comprising a low pass filter for selecting the lower subrange into one path, a high pass filter for selecting the upper subrange into another path, means in said first path comprising a combination of a band suppression filter and a band transmission filter for discriminating between the two oppositely directed groups of the subrange selected, and means in the other path comprising a combination of a band suppression filter and a band transmission filter identical with the filters



in the first mentioned path for discriminating between the oppositely directed groups of the subrange selected into the path.

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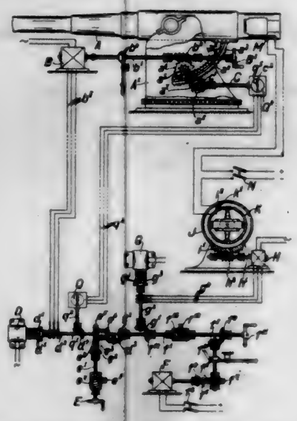
1,557,545. FIRE-CONTROL APPARATUS FOR NAVAL GUNS. WALTHER AKEMANN, Berlin-Dahlem, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Mar. 3, 1924. Serial No. 696,708. 9 Claims. (Cl. 89—41.)

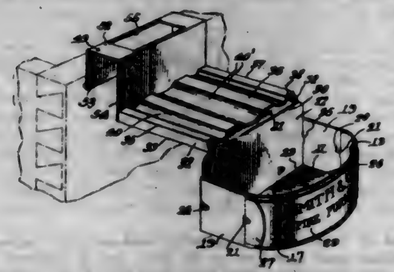


1. A fire control apparatus for naval guns, comprising the combination with one or several adjustable gun barrels of a pointing mechanism, a long distance adjusting device operatively connected with said pointing mechanism for adjusting said gun barrel or barrels and comprising a transmitter and a receiver, said receiver being positively connected to said pointing mechanism, an electric firing device, two cooperating contacts contained in said firing device and being situated in the circuit thereof, a stabilizing means for one of said contacts, the other of said contacts being non-stabilized, a long distance adjusting device enabling the adjusting of the non-stabilized contact of said firing device and comprising a transmitter and a receiver, said receiver being positively connected to said non-stabilized contact; and operating means for the transmitters of both said long distance adjusting devices, said means adapted for alternatively setting said gun barrel or barrels either independently of the adjustment of said non-stabilized contact or in common therewith.





1,557,546. SMOKER'S DEVICE. GEORGE I. ALLEN, Wilson, N. C. Filed Mar. 21, 1924. Serial No. 700,982. 8 Claims. (Cl. 131—51.)



1. A smoker's device formed from an integral blank, said blank including a receptacle portion, said receptacle portion comprising a bottom portion, a front portion foldable upwardly upon the bottom portion, a back portion foldable upwardly upon the bottom portion, end portions foldable upwardly upon the bottom portion, said portions having interfitting tongues and grooves whereby they are retained in the assembled position, the end portions having forwardly extending tongues arranged in close relation to the outer surface of the front portion and also adapted for receiving and holding the ends of an advertising card, and means for securing the device upon a support.

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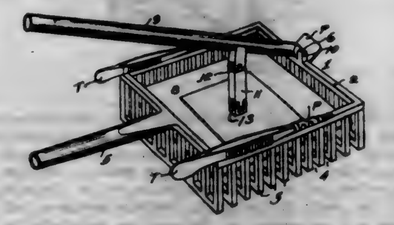
1,557,547. COMPRESSOR. EMMA C. ANDERSON, Spokane, Wash. Filed Dec. 24, 1924. Serial No. 757,919. 2 Claims. (Cl. 100—41.)



1. The combination with a rectangular basket having a fixed handle, of an alined, pivoted handle on the basket, a compressor head, and a link pivotally connecting said head and pivoted handle, said link having pivots at its ends located in planes at right angles one to another.

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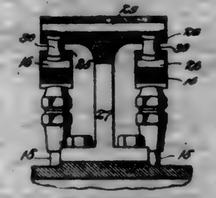
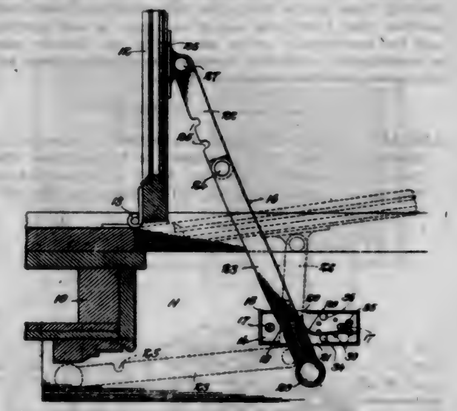
1,557,548. VALVE-OPERATING MECHANISM. DORSEY F. ASBURY, Washington, D. C. Filed Apr. 19, 1920. Serial No. 374,996. 4 Claims. (Cl. 123—90.)



1. In a valve mechanism, a member provided with a pair of openings intersecting one another at right angles, and a cylindrical pin fitted within one of said openings whereby a side portion thereof provides within the other opening a convex bearing surface having parallel elements.

1,557,549. CLOSURE OPERATOR. JAMES P. BECKER, Miami, Fla. Filed Mar. 28, 1924. Serial No. 702,609. 1 Claim. (Cl. 268—15.)



An operator for swinging closures comprising an arm adapted to be pivotally secured at one end to a closure, a base plate adapted to be secured to a fixed support and over which said arm is slidably disposed, a housing adapted to be secured over said base plate, said housing having openings in the side walls thereof through which said arm is adapted to pass, a pin within said housing adapted to be engaged by a notch in said arm, and means holding the arm with a notch thereof engaged with said pin, said means providing a stop cooperating with said arm to completely close said housing against the passage of insects.

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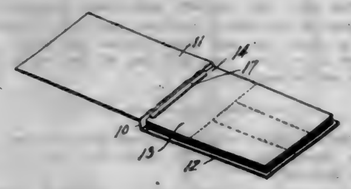
1,557,550. BINDER. EDWIN P. BENSON, New York, N. Y. Filed Apr. 10, 1923. Serial No. 631,124. 1 Claim. (Cl. 129—37.)



A filler gripping member which includes a channel plate having limbs to engage a filler, and integrally formed right angular projections on the inner faces of the limbs, projections on the bound end surfaces of the filler to be directly engaged against the right angular projections on the limbs.

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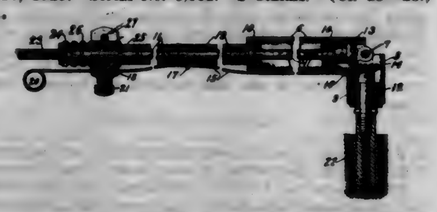
1,557,551. ADJUSTABLE ROTARY-BRUSH MECHANISM. EUGENE BERTONE, Stevenson, Md. Filed Jan. 20, 1925. Serial No. 3,601. 4 Claims. (Cl. 15—23.)



1. The combination of a pair of bevel gear-wheels, shafts on which said gear-wheels are carried respectively, bearings in which said shafts are mounted to rotate.

means on one of the shafts for securing a brush or the like thereon, two members hinged to one another and carrying said bearings and adjustable for alternately moving these shafts into axial alinement and into such position that their axes are at an angle to one another and the gear-wheels are in mesh with one another, and a manipulative adjusting member for effecting these adjustments, for the purpose specified.

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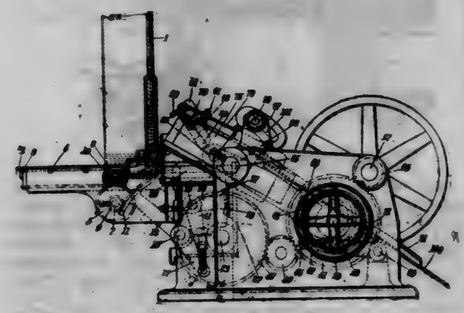
1,557,552. SOLE-BEVELING MACHINE. FREDERIC E. BERTRAND, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 30, 1918. Serial No. 256,227. 28 Claims. (Cl. 69—15.)



1. A machine of the class described, having, in combination, means for cutting a chip from the end of a blank and for feeding the chip and blank, and means including a movable chute for separating the blank from the chip.

6. A machine of the class described having, in combination, a support for blanks of parts of boots and shoes, means for engaging the edges of the blanks one by one and feeding them over and past the support, a gage mounted below the support, said gage being held from movement in the line of feed and means for causing the gage to move up and down across the plane of the support alternately into and out of the paths of the blanks on the support.

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1,557,553. LENS. STEVE J. BORCHARDT, Stevens Point, Wis. Filed Jan. 12, 1925. Serial No. 1,978. 1 Claim. (Cl. 240—48.4.)

A lens of the character described comprising a spaced series of parallel plates projecting from each side of the lens, the plates of the respective series being equidistantly spaced apart to define light passages therebetween, with the plates on one side of the lens disposed in alignment with the plates on the other side thereof, the plates on one side being considerably wider than the plates on the other side of the lens, and the plates of each series successively decreasing in length from the center of the lens towards the opposite sides thereof.

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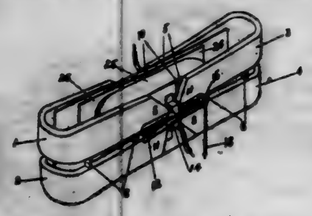
1,557,554. SOUND-REPRODUCING APPARATUS. CLAYTON M. BOUDETTE, Revere, Mass. Filed July 21, 1922. Serial No. 576,539. 10 Claims. (Cl. 179—119.)

1. In a sound reproducing apparatus, the combination of an armature, means supporting said armature for oscillating movement about an axis, a coil encircling said armature and operative when a current flows therethrough to create north and south magnetic poles in said armature with said poles adjacent, respectively, to the opposite ends of said axis, means for creating magnetic



lines of force cooperating with said magnetic poles to oscillate said armature on its axis, and a resilient diaphragm connected with said armature to be vibrated thereby.

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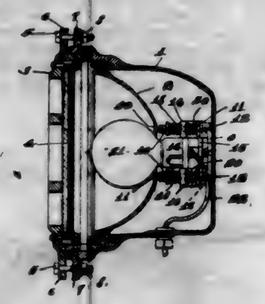
1,557,555. HEADLIGHT. FRANK BUCHANAN, Syracuse, N. Y. Filed Oct. 3, 1923. Serial No. 667,498. 3 Claims. (Cl. 240—80.)



1. In a lamp the combination of a support, a carriage for a lamp socket carried by the support comprising studs pivotally connected to the support, a lamp socket mounted between the studs, a carriage for the socket and springs arranged to act on the carriage and the studs to yieldingly restrain movement of the studs and movement of the carriage relatively to the studs.

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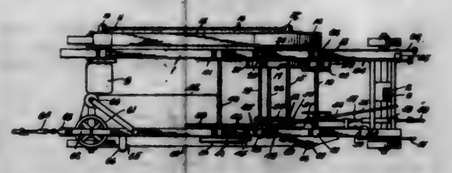
1,557,556. DRILLING MACHINE. MASON GILBERT CARPENTER, Marietta, Ohio. Filed Dec. 29, 1924. Serial No. 758,749. 4 Claims. (Cl. 255—11.)



1. In a device of the class described, a frame, a power shaft journaled on the frame, an engine on the rear end of the frame, means for connecting the power shaft operatively with the engine, a friction wheel on the power shaft, a sand line shaft located in front of the power shaft, a friction wheel on the sand line shaft, means for mounting the said line shaft for rotation and for swinging movement to enable the friction wheel of the sand line shaft to be brought into and out of engagement with the friction wheel of the power shaft, a third shaft located to the rear of the power shaft, a friction wheel on the third shaft, means for mounting



the third shaft for rotation and for swinging movement to enable the friction wheel of the third shaft to be brought into and out of engagement with the friction wheel of the power shaft, a casing line shaft journaled on the frame between the third shaft and the power shaft, a drilling line shaft journaled on the frame to the rear of the third shaft, gear wheels on the drilling line shaft and on the casing line shaft, a pinion shiftable on the third shaft into and out of engagement with either of the gear wheels, means for operating the shiftable pinion from the forward end of the frame, and means for operating the sand line shaft and the third shaft on the forward end of the frame to bring the friction wheels on said shafts into and out of engagement with the friction wheel on the power shaft.

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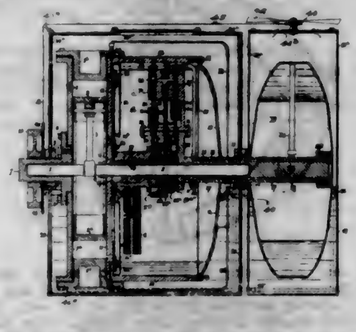
1,557,557. ROTARY POWER PLANT. ALEXIS CHAUSSEPIED, Saumur, France. Filed Nov. 5, 1921. Serial No. 513,208. 3 Claims. (Cl. 60—36.)



1. In a rotary engine, the combination of two substantially cylindrical closed vessels (A) and (B); two tanks enclosing said vessels; an outer shaft rotatably supported in said tanks and having said vessels secured thereon; a pulley secured on the said shaft outwardly of the tanks; an inner shaft extending across the first vessel (A) and rotatably supported in relation to the outer shaft, said inner shaft having a crank formed thereon; a set of radially disposed cylinders formed integrally in one of the end-walls of said first vessel (A); a corresponding set of rigidly assembled pistons arranged in said cylinders; a connecting rod between said set of pistons and the crank on the inner shaft; a sleeve keyed on the last-named shaft; means on said sleeve for preventing the rotation of said shaft; a set of valve-chests arranged against the wall of the cylinders inside the first vessel (A) and in communication on the one hand with the said vessel and on the other hand with said cylinders; slide-valves in said chests controlling the last-named communication; means on the sleeve for operating said slide valves; a pipe communication between the second vessel (B) and said slide-valves; a radially disposed pump rigidly mounted on the outer shaft within the first vessel (A) and in relation on the one hand with the inside of said first vessel (A) and on the other hand with the inside of the second vessel (B), said pump including a pair of centrifugally influenced valves; and means on the inner shaft for operating said pump; all substantially as described.

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1,557,558. ANIMAL TRAP. EDWARD G. CHERBONNIER, Baltimore, Md. Filed Feb. 3, 1922. Serial No. 533,806. 3 Claims. (Cl. 43—69.)

1. In an animal trap, a cover adapted to be fitted to the top of an animal receptacle, and having a central opening and steeply inclined portions extending from the top of the cover inwardly and downwardly to said opening, a trap door pivoted at its middle to said cover in said opening at the lower ends of said inclined portions and arranged to swing downwardly in either direction

from a closed position, and means arranged to carry bait at the under side of the door for normally forcing said door to the closed position, substantially as set forth.

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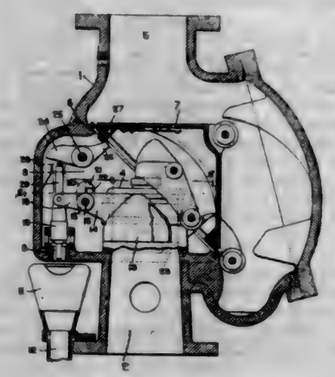
1,557,559. DRIP VALVE FOR DRY-PIPE VALVES. ERRA E. CLARK, Newtonville Mass., assignor to Frank J. Fee, New York, N. Y. Filed Aug. 28, 1922. Serial No. 585,765. 6 Claims. (Cl. 169—22.)



1. A dry pipe valve comprising a casing, an air valve and a water valve therein with valve seats therefor, the space between said valves constituting a neutral chamber, an automatically-closing drip valve for the neutral chamber, and means independent from the air valve for holding the drip valve open, said means becoming inoperative for this purpose when there is an accumulation of water in the neutral chamber, whereby the drip valve will automatically close.

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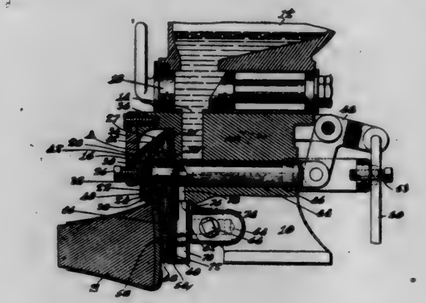
1,557,560. CEMENTING APPARATUS. JOHN W. COSGROVE, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 26, 1920. Serial No. 391,983. 26 Claims. (Cl. 12—30.)

1. In a cementing apparatus, a cement-applying brush provided with fibers radiating about an axis and having an applying surface furnished by the ends of the fibers inclined longitudinally of the axis to correspond gen-

erally to the portion of the work to be coated, a gage member having an edge adjacent to the fibers at the extremity of the brush and arranged for contact with the



surface to be cemented, a cement container, and a conduit arranged to deliver cement from the container outwardly between the brush fibers.

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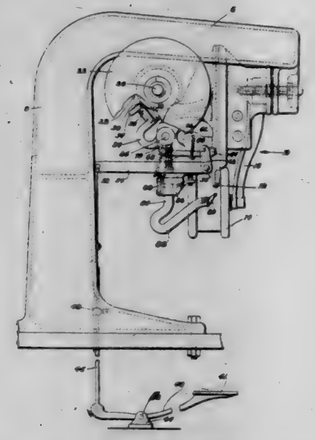
1,557,561. FASTENING-INSERTING MACHINE. JOHN W. COSGROVE, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 9, 1922. Serial No. 542,289. 18 Claims. (Cl. 1—41.)



1. In a machine of the class described, fastening inserting mechanism, a work support, means operative through the work support yieldingly to press the work in clamping relation to the inserting mechanism, and means for locking the work support against retractive movement only, the locking means serving to hold the work support rigidly against retraction while a fastening is being inserted into the work.

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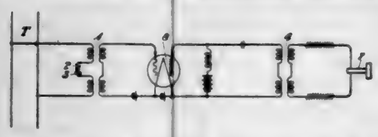
1,557,562. FREQUENCY SELECTIVE DEVICE. GEORGE CRISSON, Hoboken, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 16, 1919. Serial No. 331,085. 6 Claims. (Cl. 178—44.)

1. A device for monitoring on a telephone transmission line, comprising a telephone receiver, a three electrode vacuum tube with its output circuit associated with said receiver, a shunt across the line having high impedance compared to the characteristic impedance of



the line, comprising inductance resistance and capacity elements, and means connecting the grid of said tube in shunt relation to said inductance element.

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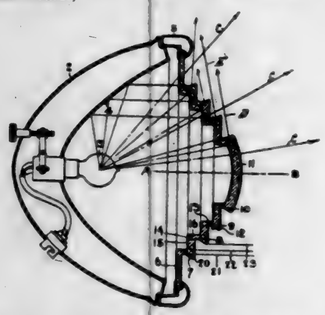
1,557,563. LENS. JOHN DAHLSTROM, Pittsburgh, Pa. Filed July 12, 1922. Serial No. 574,865. 4 Claims. (Cl. 240—48.4.)



1. A lens comprising a series of concentric annular prisms decreasing successively in diameter and each having two exterior surfaces intersecting at an acute angle, one of said exterior surfaces being inclined with respect to the central axis of the lens, and the other exterior surface being substantially perpendicular to the central axis of the lens, translucent rings separating said annular prisms, and a translucent ring surrounding the outer annular prism, said translucent rings having plane parallel inner and outer surfaces substantially perpendicular to the central axis of the lens.

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1,557,564. SHOE HEEL. NUNZIO DAQUINO, Akron, Ohio. Filed Sept. 21, 1923. Serial No. 664,111. 4 Claims. (Cl. 36—36.)

1. In a shoe heel, a frame having a cross-bar, a resilient lift in slidable engagement with said frame, a recess formed in the vertical breast face of the resilient lift, a metal plate seated in the lift recess, in engagement with the frame cross-bar, and the breast of the resilient lift, and means passing through the resilient lift, the metal plate and the frame, adapted to embed itself into the upper portion of the heel, for securing the resilient lift against slidable disengagement from the frame.

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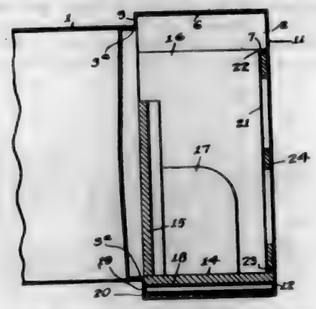
1,557,565. BUCKET-BOX CONSTRUCTION. AUGUSTINE DAVIS, Jr., Covington, Ky. Filed Dec. 16, 1922. Serial No. 607,453. 3 Claims. (Cl. 220—1.)

1. A bucket-box for vehicle tanks comprising a welded sheet metal structure including a back, top, sides and



a front containing a door opening, the back being united to the rear end of a tank, a unit wooden lining structure



including a back, bottom and sides inserted upward into the welded structure, and a bottom sheet inserted into the bottom of the welded structure and welded thereto.

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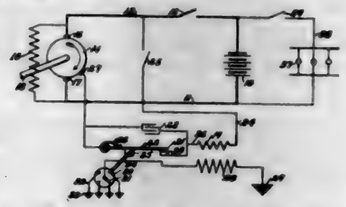
1,557,566. IGNITION SYSTEM. HENRY R. DAVIES, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Feb. 21, 1921. Serial No. 446,625. 4 Claims. (Cl. 123—148.)



1. In an ignition system for gas engines, the combination of a dynamo-electric machine having main brushes and an auxiliary brush; a shunt field connected to the main brushes; an ignition circuit connected to the auxiliary brush and one of the main brushes; a storage battery connected to the ignition circuit and to the dynamo-electric machine for supplying current to the dynamo-electric machine to operate the same as a motor, and to receive current from the dynamo-electric machine operating as a generator; the connections being such that the battery supplies maximum current to the ignition circuit when operating the dynamo-electric machine as a motor, and the dynamo-electric machine supplies a constantly decreasing current to the ignition circuit when operating as a generator, as its speed is increased.

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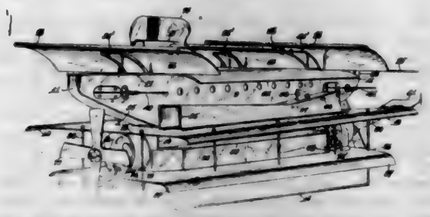
1,557,567. AEROPLANE. JOHN C. DAVNIX, Philadelphia, Pa. Filed Aug. 7, 1924. Serial No. 730,586. 37 Claims. (Cl. 244—14.)



1. A flying machine including a main aerofoil with the major dimension lengthwise and superposed vacuum wave producing minor planes having a rearward declination, and provided with adjustable noses.

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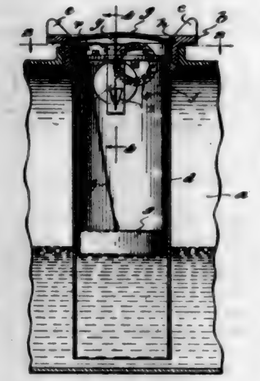
1,557,568. GASOLINE GAUGE. JAMES V. DILLEY, Detroit, Mich. Filed Oct. 14, 1922. Serial No. 594,468. 4 Claims. (Cl. 73—82.)



1. The combination with a liquid fuel tank of fuel-controlled means for indicating the fuel level in the tank, said means normally giving an erroneous indication when the tank is tilted in one plane, and gravity-controlled means co-operating with said first-named means for automatically rectifying the indications thereof when the tank is tilted as specified.

4. The combination with a liquid fuel tank of movable fuel-level indicating means carried by the tank, fuel controlled means for actuating the indicating means, a pivoted error-rectifying pointer adapted for co-operation with the fuel-level indicating means, a plumb-bob weight pivotally suspended in the tank and so connected with the pointer as to move the latter with reference to the indicating means when the tank is inclined in the plane of movement of the pointer that the pointer will be caused to indicate on said means the correct reading of the fuel level despite the inclination of the tank.

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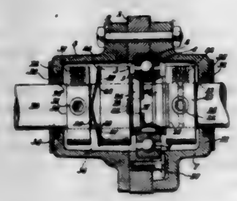
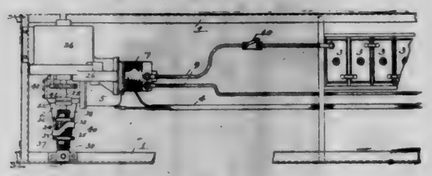
1,557,569. SECTIONAL SHAFT BEARING AND COUPLING. GEORGE M. EAMES, Bridgeport, Conn., and IRVING F. WEBB, Elizabeth, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Mar. 29, 1924. Serial No. 702,731. 12 Claims. (Cl. 64—91.)



1. In a sectional-shaft bearing and coupling, in combination, a bearing-support, a shaft-bearing sustained by said support, a plurality of shaft-sections, a universal-coupling connecting said shaft-sections adjacent said bearing, and a bearing-cone mounted upon the end of one of said shaft-sections sustained by said shaft-bearing for universal-angular shaft-positioning movement.

1,557,570. MEANS FOR CHARGING THE STORAGE BATTERIES OF WHEELED VEHICLES. GEORGE ECKMAN and ALBERT W. MOORE, Kalamazoo, Mich. Filed Aug. 2, 1923. Serial No. 655,195. 8 Claims. (Cl. 180—154.)



1. In wheeled vehicle having an electric storage battery and spring-connected members interrelatively movable vertically, mechanism of the character described, comprising: an electric generator for charging the battery; spring-actuated means for operating the generator; and connections extending between said members and operated by their interrelative movement for tensioning the spring of said spring-actuated means.

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1,557,571. KETO-ALCOHOL RESIN AND PROCESS OF MAKING THE SAME. CARLETON ELLIS, Montclair, N. J. Filed Feb. 27, 1922. Serial No. 539,763. 6 Claims. (Cl. 260—2.)

2. A method of forming a resin which comprises reacting on keto butyl alcohol with caustic alkali at a temperature sufficient to cause heat-setting.

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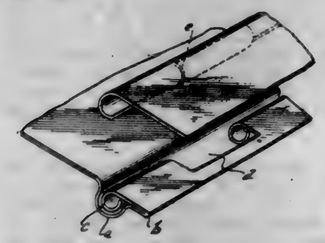
1,557,572. HINGE. ROBERT EWING, Detroit, Mich. Filed July 14, 1924. Serial No. 725,874. 5 Claims. (Cl. 16—128.)



1. A hinge, comprising a pair of sheet metal wings one of which is turned over to form on the inside a continuous trough, and is then folded over at intervals into knuckle eyes which are located inside of the trough but spaced therefrom, and the other of the hinge wings being provided with a turned over edge having at regular intervals extended journal portions adapted to turn in the spacing between the knuckle eyes, said turned over edge fitting into the space between the knuckle eye and the trough on the adjoining hinge wing and guided thereby in turning movement, and a knuckle pin passing through the folded over portions.

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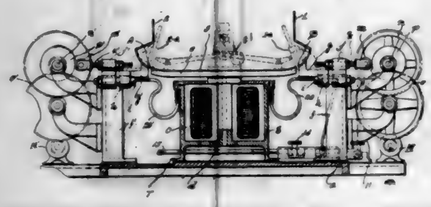
1,557,573. BUTT-WELDING MACHINE. PETER FASSLER, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed Apr. 18, 1924. Serial No. 707,328. 6 Claims. (Cl. 219—4.)

6. In a butt welding machine, the combination of a support, means for supporting a panel of sheet metal stock thereon, a plurality of movable sheet metal panel stock holders movably supported on the first mentioned support, means for clamping the other stock to said movable stock holders, power driven means for actuating said movable stock holders to bring the sheet panel stock carried thereby into registering edge-to-edge contact with the first mentioned sheet panel stock on different sides of said panel and for applying pressure to



said movable stock holders to force the pieces of sheet panel stock tightly together, means for passing current through the abutting stock to weld the several joints of said panel stock pieces, and manually operated means whereby the movable stock holders may be retracted and the welded panel stock removed from the machine.

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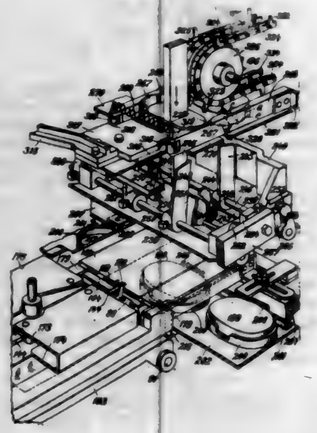
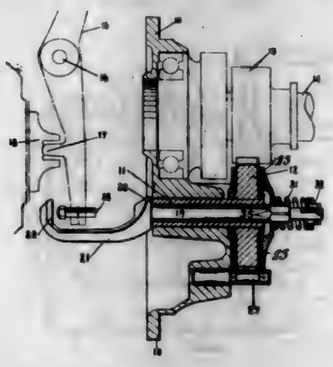
1,557,574. WRAPPING MACHINE. MILFORD BERRIAN FERGUSON and EDWARD HAAS, Brooklyn, N. Y. Filed Jan. 4, 1921. Serial No. 434,912. 29 Claims. (Cl. 93—2.)



1. In apparatus of the character described, in combination, means adapted to receive and hold an article and a wrapper therefor, folding means adapted to fold said wrapper downwardly on the two opposite sides of said article to form side flaps, folding means adapted to fold said wrapper downwardly on the two opposite ends of said article to form two end flaps, folding means adapted to move inwardly and about the ends of said article to fold the end portions of said side flaps inwardly against the ends of the article, means adapted to fold the lower portion of said last folded portions together with the lower portions of said end flaps inwardly and upwardly against the bottom of said article, and means adapted to fold the lower portions of said side flaps inwardly and upwardly against the bottom of the article to complete the wrapping operation.



1,557,575. BRAKE. HENRY FORD, Dearborn, Mich. Filed May 31, 1924. Serial No. 716,990. 5 Claims. (Cl. 188—72.)



1. In a brake mechanism for transmissions having a gear operatively connected with a driven shaft and an operating lever for the transmission, brake mechanism associated with said gear and means for operatively connecting said mechanism with the operating lever whereby movement of said lever beyond a pre-determined point will operate said brake mechanism.

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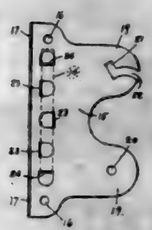
1,557,576. DOUBLE-ROLLER SHADE AND LIGHT-SHIELD SUPPORTING BRACKET. WILLIAM H. FORBS, Jr., Anderson, Ind. Filed Sept. 15, 1924. Serial No. 737,833. 4 Claims. (Cl. 156—21.)



1. In a bracket of the character described, the combination of shield-retaining groove-defining means, a pair of members positioned in the groove thus defined, one of which is adapted to serve as a stop and prevent movement of the shield through the groove and the other of which is adapted to have a yielding engagement with the shield for preventing rattling movement of the shield in a plane parallel to the groove and having its free edge directed toward the other member and adapted to engage the shield and prevent ready removal of the shield from the groove but permit the ready seating of the shield in the groove.

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1,557,577. NONREFILLABLE CONTAINER. CHARLES COLEMAN FREDERICKS, St. Louis, Mo. Filed Oct. 20, 1922. Serial No. 595,797. 5 Claims. (Cl. 220—85.)

1. A non-refillable container comprising a boss on the head, a bushing threaded therein, the upper surfaces of the head and bushing being flush with one another, means preventing removal of the bushing from the boss without mutilation of the device, and a suction pipe threaded into the bushing and having at its lower end a foot valve resting against the bottom of the container, the foot valve comprising a casing having a slotted base, a seat in the base, a ball normally resting against the seat, and a pin adapted to be driven through the casing above the ball to limit movement of the ball; said means comprising complementary threaded recesses in bushing and boss adapted to register with one another

when the bushing has been screwed into place in the boss, a set-screw adapted to be screwed into the lower portion of the cooperating recesses when thus in registry, and means for sealing the exposed portion of the recesses and the flush surfaces of the head and bushing to thereby prevent access to the set-screw without mutilating said sealing means.

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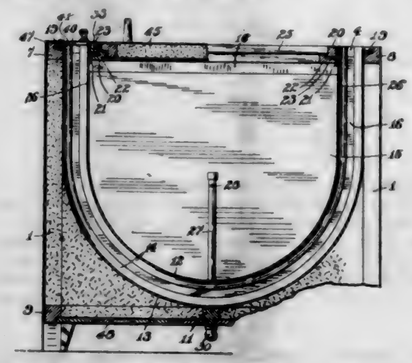
1,557,578. BOTTLE REFRIGERATOR. CHESTER A. FRICK, Muncie, Ind. Filed Jan. 10, 1925. Serial No. 1,595. 9 Claims. (Cl. 62—34.)



9. A bottle refrigerator comprising a frame including corner posts, a semi-cylindroidal tub hung from and within said frame, a supplemental frame supported by said main frame, a second semi-cylindroidal tub having closed ends hung from said supplemental frame and nesting within the first tub, the space between said two tubs being formed into a series of circumferential laterally liquid-communicating channels each having two open upper ends.

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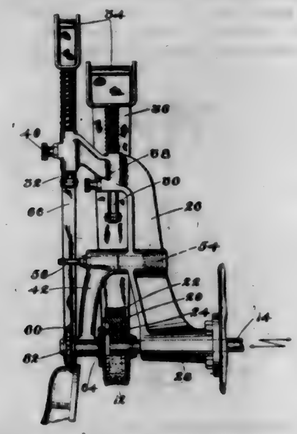
1,557,579. PATENT-LEATHER-REPAIRING MACHINE. FREDERICK M. FURBER, Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 2, 1916, Serial No. 134,701. Renewed Mar. 5, 1925. 15 Claims. (Cl. 51—58.)

4. In a machine of the type described, a shaft, a tool mounted thereon, means for imparting to said shaft a

combined oscillating and reciprocating movement, and auxiliary tool, means for rotatably supporting said tool



in operative relation adjacent to said first tool, and means for detachably connecting said auxiliary tool to said shaft to receive one of these movements.

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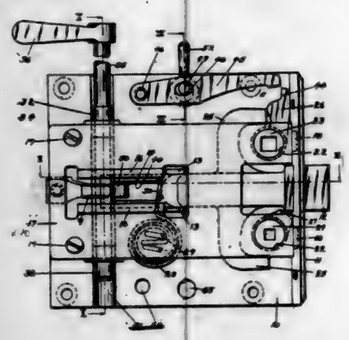
1,557,580. OPERATING MECHANISM FOR PRUNERS. FOUNTAIN P. GOVER, Ephrata, Wash. Filed Apr. 26, 1924. Serial No. 709,208. 2 Claims. (Cl. 74—14.)

1. Mechanism for operating a plunger, comprising a body, a plunger slidable in the body, an operating member comprising a head and a shank disposed at an angle to each other, oppositely extended links having their outer ends pivoted respectively to the body and to the plunger, the inner ends of the links being pivoted to the ends of the head of the operating member, the operating member being freely movable in the body, to permit the head of the operating member to move toward alinement with the links when the plunger is advanced, and a retractile spring having its ends connected to the body and to the head of the operating member and constituting means for retracting the plunger.

1,557,581. COMBINED LATCH AND LOCK FOR DOORS. WILLIAM F. HARRINGTON, Toledo, Ohio. Filed Feb. 7, 1923. Serial No. 617,437. 12 Claims. (Cl. 292—169.)



1. In a lock for vehicle doors, a pair of casing plates arranged in spaced parallel relation, one of said plates being shaped to form a trough open towards the second plate, a bushing fitting said trough, interengaging means between the bushing and the second plate for holding said bushing against movement in the trough, and a rod mounted within said bushing.

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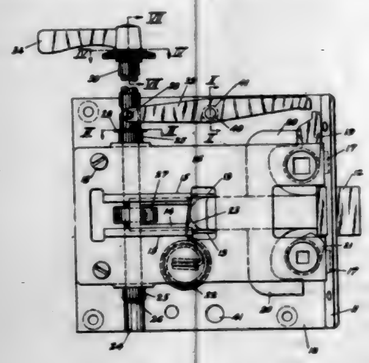
1,557,582. COMBINED LOCK AND LATCH FOR DOORS. WILLIAM F. HARRINGTON, Toledo, Ohio. Filed Dec. 29, 1923. Serial No. 683,282. 8 Claims. (Cl. 292—153.)

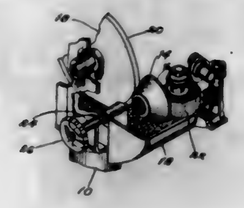


1. In a lock for vehicle doors, a slidable latch bolt, a spring for throwing said bolt to operative position, means for retracting said bolt, a second means for retracting the bolt including an oscillatable rod, and means for preventing the operation of said first-named means, including a sleeve surrouning said rod and rotatable thereon, a pivoted locking lever and an operative connection between said sleeve and lever.

4. In a lock for vehicle doors, a slidable latch bolt, a spring for throwing said bolt into operative position, an oscillatable rod, connections between said rod and bolt for retracting the latter, a sleeve surrounding said rod and rotatable thereon, a spiral cam on said sleeve, and a pivoted locking lever having a projection arranged to co-operate with said cam for the actuation of said lever.



1,557,583. SHOE-BOTTOM-STAINING MACHINE. AMOS S. HAYDEN, Holbrook, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 29, 1922. Serial No. 571,713. 4 Claims. (Cl. 36—31.)



1. In a shoe-bottom-staining machine, an applying member, feeding means including a rotatable disk, and a feed-controlling memeber having a portion of wood cooperating with the feeding surface of the disk and extending beyond the periphery thereof.

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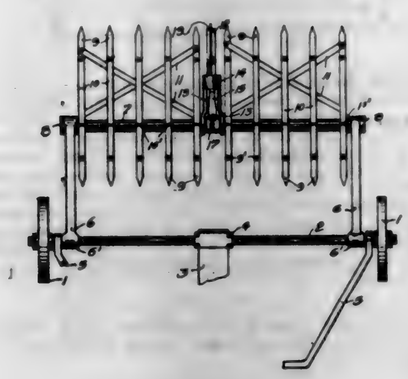
1,557,584. DRAG. CHARLES H. HEITSTUMAN, Uniontown, Wash. Filed Aug. 8, 1923. Serial No. 656,439. 4 Claims. (Cl. 56—380.)



1. The combination in a wheeled drag with a pair of side arms pivoted thereto, of a rock shaft journaled in said arms, tines secured to said shaft, an operating handle connected with said shaft, a lever fixed to said shaft, means on the handle for holding said lever, and release devices whereby the drag and shaft may be caused to move through one revolution for dumping and returning to normal position.

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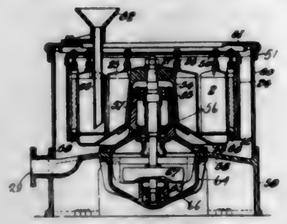
1,557,585. FILTER. HENRY SELBY HELE-SHAW, London, England. Filed Oct. 23, 1924. Serial No. 745,437. 6 Claims. (Cl. 210—63.)

1. A filter comprising a number of superposed sheets of flexible material held together between press heads so that filtration takes place between the sheets, means for varying the pressure between the sheets, a rotary carrier for supporting the sheets at a uniform distance from its centre, means for rotating the rotary carrier at such a speed that the hydraulic pressure caused by the centrifugal force in the rotating fluid will force the fluid to be filtered between the flexible sheets leaving



the separated matter on the edges of the sheets, the degree of filtration being regulatable by the means for varying the pressure between the sheets.

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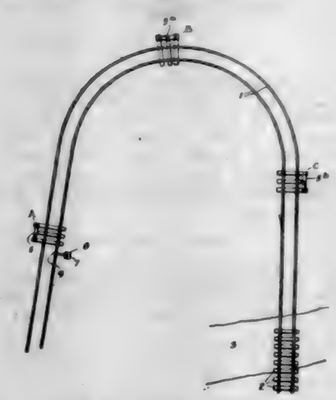
1,557,586. RAILROAD SIGNAL. HARRIETTE E. HODGSON, New York, N. Y. Filed Dec. 18, 1923. Serial No. 681,323. 2 Claims. (Cl. 246—473.)



1. Improvement in means for protecting crossings or other danger points in railroad rights of way by means of differentiated groups of ties located at predetermined distances of approach to the danger point, which comprises upstanding fixed signal members of distinctive forms mounted on end extensions of the ties spanning groups of the ties, substantially as set forth.

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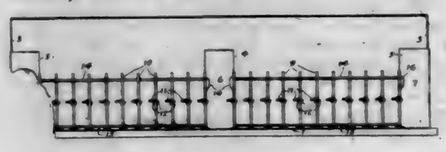
1,557,587. CAR. HARRIETTE ENSLEY HODGSON, New York, N. Y. Filed Dec. 15, 1924. Serial No. 755,871. 3 Claims. (Cl. 105—345.)



1. A passenger car in which large seating capacity is obtained by perch seats, comprising vertical frames placed close one behind another and narrow, ledge-like seats on the frames at a height materially higher than ordinary car seats, the said seats being reversibly mounted on the frames so that they can be shifted from one side to the other of the frames.

1,557,588. FERRULE-VALVE OPENER. CHARLES HOLTMAN, Pittsburgh, Pa. Filed May 31, 1922. Serial No. 564,994. 6 Claims. (Cl. 137—70.)

1. In a valve opener, a barrel, a rod slidably and rotatably mounted in the barrel, a block, means for securing the block to a valve, said means being adjustable to accommodate valves of different sizes, means for securing the barrel to said block, a cutting tool secured on the inner end of said rod, and means for effecting a water-tight closure between the valve and the barrel and about said tool.

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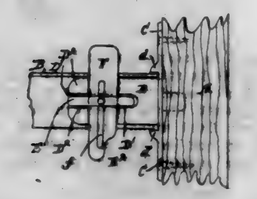
1,557,589. JOINTING MEANS. HALBERT AUGUSTINE JENKINS, Hawera, New Zealand. Filed Feb. 28, 1923. Serial No. 620,765. 4 Claims. (Cl. 287—54.)



3. Jointing means for frames having two members, comprising a plate portion secured to one of said members; a block associated with said plate portion and provided with a slot; a tongue secured to the second member and provided with a slot, said tongue being adapted to project into and through the slot in said block; means on said plate portion for holding the second member from lateral movement; and a wedge adapted for engagement in the slot in said tongue to rigidly hold the two members together.

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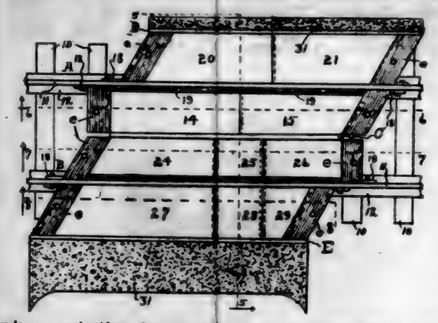
1,557,590. RAILWAY HIGHWAY CROSSING. OLUF F. JENSEN, Council Bluffs, Iowa. Filed May 23, 1925. Serial No. 32,321. 7 Claims. (Cl. 238—8.)

2. In a highway crossing for the pair of rails of a railway track, a third rail having a form in cross-section corresponding to and adapted to be disposed between the rails of said track, and bearing-plates each having



wings projecting downwardly from its longitudinal edges for engaging the base of a track rail and the base of the third rail.

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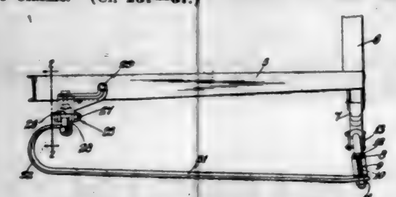
1,557,591. STRUT ROD. CHARLES H. JOCKMUS, Ansonia, Conn. Filed Dec. 22, 1922. Serial No. 608,511. 6 Claims. (Cl. 267—67.)



1. The combination of an automobile frame employing side members and having an axle associated therewith, of a strut rod connected to said axle, means for connecting said strut rod to the frame, said means comprising a bracket adapted to be fitted to the side member of the frame and a shackle disposed intermediate said bracket and said strut rod, said shackle being connected to the strut rod and pivoted to said bracket longitudinally of said frame whereby the point of connection between the strut rod and shackle is adapted to move only in a vertical plane passed transversely through said frame.

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1,557,592. TOY. MARIE CATHERINE JONES, Los Angeles, Calif. Filed July 28, 1924. Serial No. 728,788. 4 Claims. (Cl. 46—40.)

1. A toy embodying a flue having an opening simulating a fire-place; a figure in the fire-place; a spring carried by the figure and compressed between the figure and the bottom of the fire-place; and means for holding the spring compressed, said means being releasable to cause the figure to ascend the flue, and to cause the spring to move out of contact with the bottom of the fireplace along with the figure.



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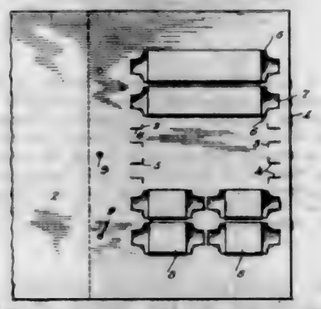
1,557,593. SAMPLE-DISPLAY CARD. HARRY L. KALISH, Brooklyn, N. Y. Filed May 26, 1924. Serial No. 715,785. 1 Claim. (Cl. 211—34.)



A sample card cut to provide pairs of oppositely disposed lips, certain of the margins of each pair being disposed in parallelism to form an intermediate body portion between the lips, and the other margins of said pair being arranged at an angle to the first named margins, each of said pairs of lips being capable of having a portion of one end of a sample binder inserted beneath the same with the remaining portion of the binder overlying said intermediate body portion.

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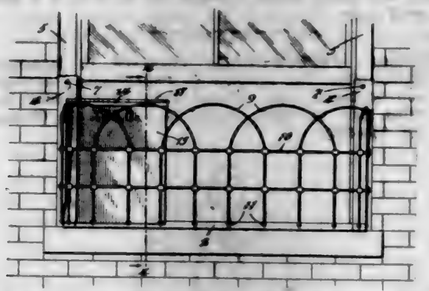
1,557,594. WINDOW BOX. ALEXANDER KATZ, Brooklyn, N. Y. Filed June 30, 1924. Serial No. 723,285. 2 Claims. (Cl. 45—104.)



1. In a window box including a base of a length to extend from the outer face of one stile to that of the other of a selected window frame, channel members at the ends of the base for engaging the outer face and sides of the respective stiles, means to secure said members to the stiles, a casing on one end of the base adjacent to one attaching member and provided with a door at the inner edge of the base, the base forming the bottom of the casing.

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1,557,595. MEANS AND METHOD FOR RAISING AND SALVAGING SHIPS AND OTHER SUNKEN OBJECTS. WOLDEMAR KIWULL, Berlin-Halensee, and WALTHER KORNIOSS, Berlin, Germany. Filed Mar. 14, 1925. Serial No. 15,456. 10 Claims. (Cl. 114—50.)

1. A system of salvaging sunken ships and other bodies by the aid of the artificial formation of ice, in contact with the bodies, which consists in applying the refrigerating means directly to the metal of the ship or body to be raised so as to maintain the metal at

the required position at a lower temperature than that of the surrounding ice which forms upon the cooled metal and remains attached to it.

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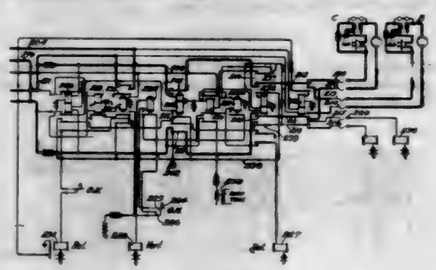
1,557,596. MACHINE-SWITCHING TELEPHONE EXCHANGE SYSTEM. WILLIS E. LAMB, Oakland, and RALPH W. MASON, Berkeley, Calif., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed July 8, 1921. Serial No. 483,305. 4 Claims. (Cl. 179—18.)



1. In a telephone system, a connector switch having a pair of bush sets, groups of called lines to which said switch has access, terminal banks leading to said connector, a brush shifting relay in said connector for rendering operative the proper connector brush set, a circuit including said brush shifting relay closed over the talking conductors of said connector switch via certain of said terminal banks for operating said brush shifting relay, a release magnet in said connector switch, and a locking circuit for said brush shifting relay including a contact of said release magnet.

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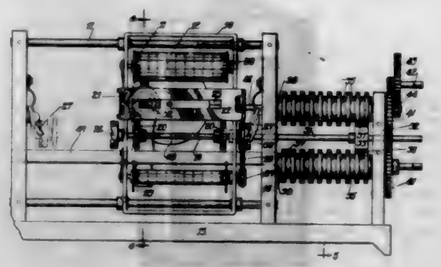
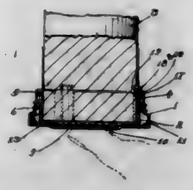
1,557,597. MOTION-PICTURE MACHINE. HENRY LUBE, College Point, N. Y., assignor to Radio Motion Picture Phon. Corp., Long Island City, N. Y., a Corporation of Massachusetts. Filed Sept. 21, 1922. Serial No. 589,520. 13 Claims. (Cl. 88—16.)



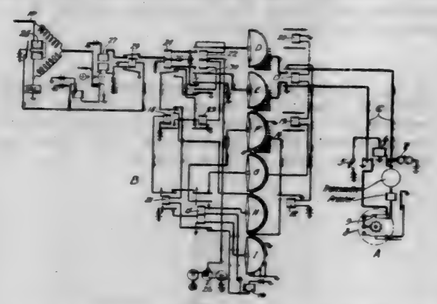
1. A motion picture apparatus including a carriage, a shaft supported by said carriage, film feeding means connected with said shaft, a standard, and pawl and ratchet mechanism associated with said standard and shaft, and means for bringing said mechanism into operative engagement to rotate said shaft.

1,557,608. SHAVING-STICK HOLDER. FREDERICK O. PERKINS, New York, N. Y., assignor, by mesne assignments, to The Andrew Jergens Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 27, 1922. Serial No. 532,131. 8 Claims. (Cl. 206—56.)



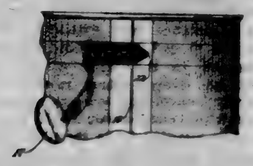
1. In a holder of the class described the combination of a cap comprising a cylindrical flange and a bead formed on the flange, a cup adapted to be inserted in the cap and comprising a base, fingers extending from the base, and lugs formed on the fingers adapted to enter a shaving stick disposed upon the base of the cup, the bead on the cap being adapted to engage the fingers so as to preclude separation of the lugs from the stick.

1,557,609. PRINTING-TELEGRAPH EXCHANGE SYSTEM. DONALD B. PERRY, Yonkers, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 10, 1923. Serial No. 674,016. 6 Claims. (Cl. 178—2.)



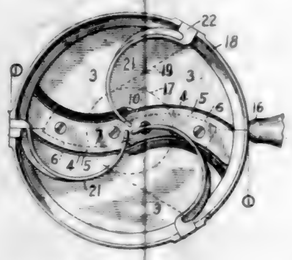
1. In a telegraph system, a plurality of printing telegraph stations, each provided with a receiving printer and transmitter, a telegraph line, and switching mechanism common to said stations and under the control of any of said stations for extending connections in either direction over said line between said stations.

1,557,610. TEAR-OPEN CAN. JOHN F. PETERS, Rochester, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed June 12, 1922. Serial No. 567,513. 3 Claims. (Cl. 220—54.)



1. A container, comprising a body provided with a soldered side seam, a tearing strip set off by parallel score lines extending circumferentially about said body and a tongue extending from said tearing strip at and across said side seam, said tongue having its narrowest portion nearest the soldered side seam whereby the soldered connection of said tongue is reduced to a point to permit ready removal of the tearing strip.

1,557,611. VEGETABLE CUTTER. FERDINAND A. PFEIFER, Springfield, Ohio, assignor to The Eagle Engineering Company, Springfield, Ohio, a Corporation of Ohio. Filed June 9, 1922. Serial No. 566,926. 12 Claims. (Cl. 146—124.)



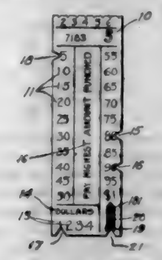
1. In a cutting device of the character described, a rigid supporting structure having a vertical bearing, a shaft journaled in said vertical bearing, means for rotating said shaft, a disk rigidly secured to the upper end of said shaft and having its upper surface in a plane above the upper end of said shaft so that said upper surface is unobstructed, said disk having openings therethrough extending from the center thereof to its opposite edges, cutter blades mounted in the respective openings in said disk, rigidly secured to said shaft and having their inner ends extending to the center of said disk whereby said blades will remove the entire lower surface of an article resting upon and covering the whole of said disk, and a guard extending circumferentially of said disk to position said article with relation thereto.

1,557,612. TOY SAFETY-RAZOR OUTFIT. GEORGIA A. POST, West Long Beach, N. Y. Filed Sept. 29, 1924. Serial No. 740,567. 2 Claims. (Cl. 40—37.)

1. A toy safety razor outfit, comprising an imitation razor, a brush contained in the handle thereof, and a soap for use therewith, said soap having mixed therewith particles of bristle.

1,557,613. RESTAURANT CHECK. CHARLES T. RASCHICK, St. Paul, Minn. Filed Dec. 19, 1921. Serial No. 523,375. 9 Claims. (Cl. 283—60.)

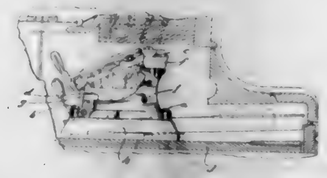
7. A restaurant check comprising a column of numerals arranged by fives from one to fifty inclusive near the margin at one side thereof, and a second column of numerals arranged by fives from fifty five to one hundred, said columns indicating cents, a row of numerals indicating dollars, all of said numerals being adapted to be punched to indicate the amounts of sales and means for indicating the punch marks in the second



of said column of numerals void when additional sales have been registered sufficient to bring the total sale over and above one dollar.

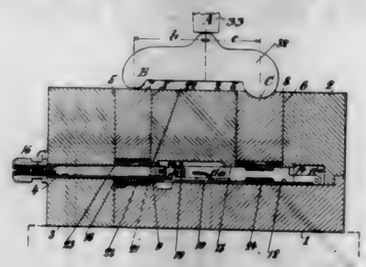


1,557,614. PIANO-ACTION BRACKET. EDWIN S. RAUWORTH, De Kalb, Ill., assignor to Apollo Piano Company, De Kalb, Ill., a Corporation of Illinois. Filed Dec. 4, 1922. Serial No. 604,668. 2 Claims. (Cl. 84—250.)



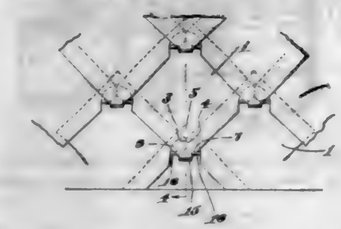
1. A piano action bracket composed of two similar sheet metal blanks assembled face to face, one blank being formed with an aperture and the material of the other blank opposite said aperture being forced through the aperture and clinched over against the apertured blank in the manner of a hollow rivet for holding said blanks together.

1,557,615. METHOD AND MOLD FOR MANUFACTURING TELEPHONE JACKS. MORTEN BALTHAZAR RICHTER, Copenhagen, Denmark. Filed Mar. 6, 1923. Serial No. 623,208. 7 Claims. (Cl. 18—59.)



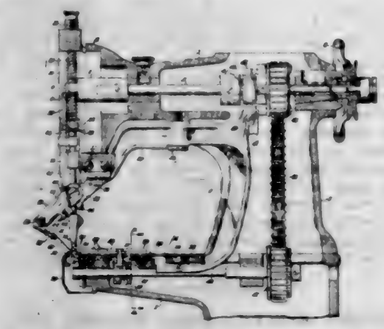
1. A method of producing telephone jacks consisting in placing cylindrical bushes, adapted to receive the connecting plugs, upon individual cylindrical steel gauges arranged in series in a suitable mold, pressing insulating material of the condensation type in plastic condition around the bushes at a substantial pressure sufficiently high to force the inner surface of the bushes into intimate contact with said gauges, allowing said insulating material to become hardened while still maintaining said pressure, and removing said gauges after the hardening of the insulating material to thereby form an insulating strip in which the bushes, properly gauged, are embedded.

1,557,616. SHINGLE FASTENER. WILLIAM J. RILEY, Boston, Mass. Filed Sept. 10, 1923. Serial No. 661,792. 1 Claim. (Cl. 108—33.)



A shingle fastener of the kind described, comprising a body portion, adapted to underlie a plurality of shingles, flanges formed integral therewith and at each side thereof, adapted to interlock with shingles arranged side by side and overlying the body portion, a flange formed integral with said body portion at the lower end thereof and between the first said flanges and adapted to interlock with a shingle overlying the shingles arranged side by side, and means for permitting fastening of the fastener in position.

1,557,617. FOLDING MACHINE. JOHN C. RINGE, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Nov. 19, 1923. Serial No. 675,508. 8 Claims. (Cl. 12—55.)

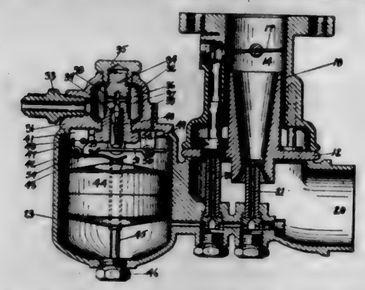


1. In a folding machine, in combination, folding instrumentalities comprising a member having a fold-determining free end, a folder reciprocated in a right line across the free end of said member to fold the work thereabout, means for reciprocating said folder, and means for advancing the work past said instrumentalities.

1,557,618. CARBURETOR. GEORGE F. RITTER, Toledo, Ohio, assignor to Tillotson Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed July 22, 1920. Serial No. 398,203. 11 Claims. (Cl. 137—104.)

9. In a device of the class described, the combination of a carburetor bowl, a removable cover upon the bowl having an inlet passageway therethrough, a valve for

controlling said passageway, a lever pivoted upon said cover, a second lever pivoted upon the cover adapted to support said valve and having its free end engaging



the first mentioned lever intermediate its ends and a float within the bowl for actuating said second mentioned lever.

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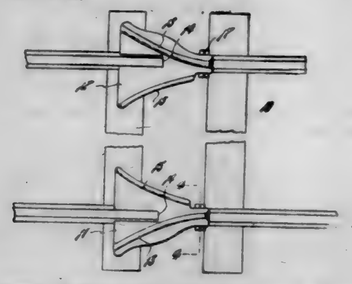
1,557,619. RERAILER. THEODORE RIVARD, Newport, Vt. Filed Jan. 21, 1925. Serial No. 3,835. 1 Claim. (Cl. 104—270.)



A rerailing device of the character described comprising an arcuate shaped longitudinally slotted body portion, the body portion being substantially V-shaped in length and having upstanding flanges provided on the side thereof and terminating at the reduced portion thereof, a pair of attaching flanges extending downwardly from the opposite sides of the reduced portion and receiving the heads of a rail therein, the upper portion of the reduced portion having an inner wall upwardly and inwardly inclined so as to snugly receive the head of a rail whereby the rerailing device will not cant sideways when the wheels are in engagement therewith, and securing means extending through the attaching flanges whereby the same may be held securely to the reduced portion of a rail for the purpose set forth.

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1,557,620. EYECUP. HENRY ROBINSON, Waco, Tex. Filed Aug. 17, 1923. Serial No. 657,928. 3 Claims. (Cl. 128—249.)

1. In a device of the character described, an eye-cup, a syringe bulb having a tubular extension extending through the bottom of said eye-cup, a tubular member having its one end closed and its open end adapted to be inserted in said tubular extension of the syringe bulb, and said tubular member having restricted orifices in its portion disposed within said eye-cup for the purpose described.

1,557,621. TELEPHONE RECEIVER. WILHELM SCHEPPMANN, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. Filed Feb. 17, 1923. Serial No. 619,573. 1 Claim. (Cl. 179—119.)

In a telephone receiver, the combination with a flattened and approximately cylindrical receiver casing, and magnet core, a return pole piece for the said core, a permanent magnet, said permanent magnet and said return pole piece being annular in form, said pole piece surrounding the said core and said annular magnet surrounding the said pole piece, a magnet winding disposed over the said core and within the said pole piece, a diaphragm, said core, permanent magnet, and diaphragm being entirely mounted in the casing, the pole pieces of the said core and return pole piece being disposed therein and closely adjacent the said diaphragm.

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1,557,622. LIGHTING-FIXTURE TASSEL. SAUL SHAPIRO, New York, N. Y., assignor to Artcraft Metal Stamping Corporation, a Corporation of New York. Filed Jan. 29, 1925. Serial No. 5,672. 5 Claims. (Cl. 41—10.)

1. A lighting fixture tassel comprising a bottom downwardly dished stamping, an upper stamping whose lower peripheral edge is permanently united to the upper peripheral edge of the lower stamping, a bushing fastened to the upper part of the upper stamping, and a metal member threaded onto the outside of the bushing, the upper side of said metal member having a ring for hanging the tassel.

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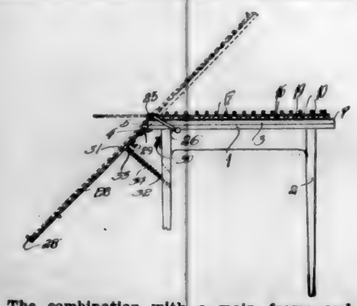
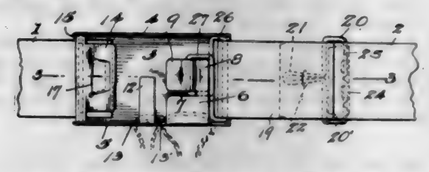
1,557,623. CRUSHING MACHINE. CLARK L. SMITH, Spokane, Wash., assignor to Spokane Casket Company, Spokane, Wash., a Corporation. Filed Apr. 13, 1925. Serial No. 22,730. 3 Claims. (Cl. 223—52.)



1. The combination with a main frame and flexibly connected slats therein, of a tiltable holder parallel with the slats, crushing rods arranged in pairs and carried by said holder for co-action with the slats, and means for clamping said rods in the holder.



1,557,624. BELT BUCKLE. MARY STARMER, Newport News, Va. Filed Apr. 24, 1924. Serial No. 708,691. 4 Claims. (Cl. 24—191.)



1. The combination with a belt buckle having upper and lower flanges and alined integral pins thereon, of an anchoring plate pivoted on said pins and fashioned with an angularly disposed gripping jaw, and a resilient tongue in said plate adapted to receive the slotted end of a belt.

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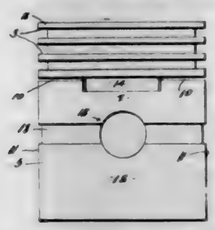
1,557,625. PISTON CONSTRUCTION. LOUIS M. STELLMANN, Syracuse, N. Y., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y., a Corporation of New York. Filed Apr. 18, 1922. Serial No. 554,748. 5 Claims. (Cl. 74—108.)



1. A piston for internal combustion engines comprising a head and a sleeve, the sleeve being slightly elliptical in general form in cross section, and the sleeve being formed with longitudinal slots arranged in the end walls of the elliptical form, the sleeve having pin bosses extending inwardly from the long walls of the elliptical form along a short diameter of the elliptical form and each of the long walls of the ellipse being approximately one third of the sleeve, substantially as and for the purpose specified.

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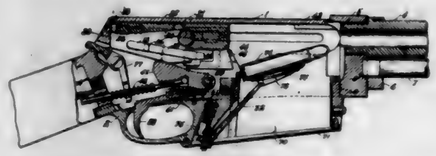
1,557,626. RAILROAD SWITCH. PETER SWANSON, Ely, Minn. Filed Feb. 16, 1925. Serial No. 9,370. 4 Claims. (Cl. 246—409.)

2. The combination with a railroad switch stand, of an automatically gravitating target therefor comprising three angular rigidly united target wings.

1,557,627. FIREARM. CARL GUSTAF SWEBILIUS, New Haven, Conn., assignor, by mesne assignments, to The Marlin Firearms Corporation, New Haven, Conn., a Corporation of Delaware. Filed May 17, 1919. Serial No. 297,829. 22 Claims. (Cl. 42—22.)



1. In a repeating firearm, a receiver, a breech bolt therein, a locking member operatively associated with said breech bolt, a detent mounted on said locking member for maintaining said locking member in operative position, an action slide for operating said breech bolt, and means for actuating said detent by said action slide.

10. In a repeating firearm, a breech bolt, an action slide, a hammer having a shoulder, a sear pivotally mounted with one end adapted to engage said shoulder, means on said action slide to rock said sear from engagement with said shoulder and to be engaged by said sear to prevent rearward movement of the action slide, means on said hammer to disengage said sear from said means on the action slide, and a lost motion connection between said breech bolt and action slide whereby said sear is disengaged from said shoulder only after the breech is completely closed.

14. In a repeating firearm, a receiver, a magazine in communication therewith, a pivoted lid for said magazine, a lever pivoted to said lid and having one end extending into said magazine, means urging said end toward said lid, a plate pivoted to said end of said lever, and means to urge said plate into alignment with said lever.

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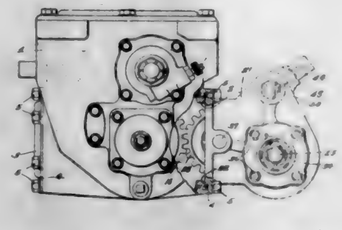
1,557,628. POWER TAKE-OFF. HENRY W. SWEET, Syracuse, N. Y., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Dec. 4, 1922. Serial No. 604,679. 1 Claim. (Cl. 74—7.)



The combination with a transmission gearing, comprising a main casing, of a power take-off, comprising a case interchangeably mountable upon opposite sides of the main case, and motion transmission means in the power take-off case, including a gear arranged to project into the main case, and mesh with one of the gears therein when the power take-off is mounted on either side of the main case, a reversible power take-off shaft mounted in the power take-off case, reversible to project beyond either the front or rear side thereof, gearing within the case including the former gear, such gearing including the former gear being also reversible within the power take-off case from one side of the case to the other, and reversible means for holding the gears of such gearing in either of such reversible positions in the power take-off case, whereby the power take-off is

mountable interchangeably on opposite sides of the main case, and the gearing is reversible in the power take-off case from either side of the case to the other and the power take-off shaft, is reversible end for end in the power take-off case.

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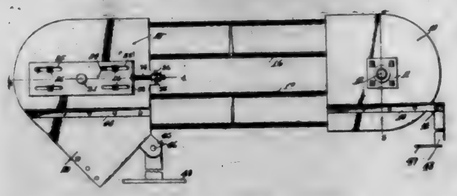
1,557,629. WATER CONVEYER. JESSE E. TAYLOR, Valier, Mont., assignor of one-fourth to Lena B. Taylor and one-fourth to George W. Taylor, sr., both of Valier, Mont. Filed June 17, 1924. Serial No. 720,672. 1 Claim. (Cl. 103—74.)



The combination with the wheel casing of one end of a chain pump, said casing having a longitudinal slot in each side wall and spaced openings adjacent the ends of said slots, the ends of the said side walls being provided with laterally directed apertured ears, of a plate disposed longitudinally on a side wall of the casing in covering relation to said slot and openings, said plate having a central opening alining with the slot and arranged to receive a shaft end therein, said plate having longitudinal slots alining with said openings, securing means through the last-named slots and said openings, one end of the plate having a laterally directed apertured flange, and an adjusting screw disposed through said apertured ear and said apertured flange.

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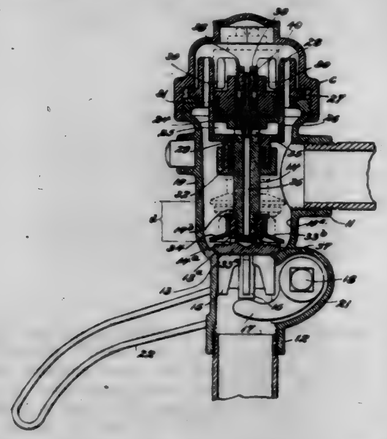
1,557,630. FLUSHING VALVE. BURCHARD THORNS, New York, N. Y. Filed Mar. 6, 1923. Serial No. 623,215. 19 Claims. (Cl. 137—93.)



8. In a flushing valve, in combination, a casing having inlet and outlet openings, a valve head controlling the outlet opening, means for unseating said valve head, and means adjacent the valve head extending in close proximity to the casing to form a restricted passage when the valve is open, whereby an excess of pressure is built up on one side of said valve head, said valve head being adapted to be automatically closed by said excess pressure.

1,557,631. OPHTHALMIC LENS. EDGAR D. TILLYER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed May 5, 1922. Serial No. 558,758. 2 Claims. (Cl. 41—20.)

1. An ophthalmic lens having a polished refracting lens surface and a spot on said surface having a different reaction to vapor than the rest of the surface, and being without refractive effect on the lens surface in the absence of vapor.

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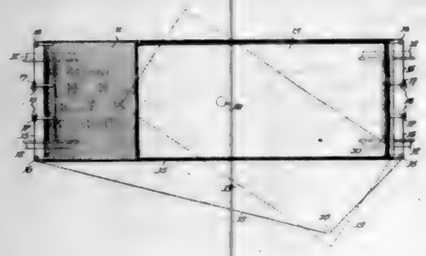
1,557,632. SAFETY DEVICE FOR REVOLVING PLATFORMS. JOHN H. TRESIDER, Chisholm, and CLARENCE M. BOSS, Duluth, Minn. Filed July 17, 1925. Serial No. 44,411. 5 Claims. (Cl. 212—70.)



1. In a safety device for movable platforms, a fixed platform, a guard member carried by the fixed platform, and means carried by the movable platform and adapted to engage the guard member when the movable platform extends beyond the fixed platform.

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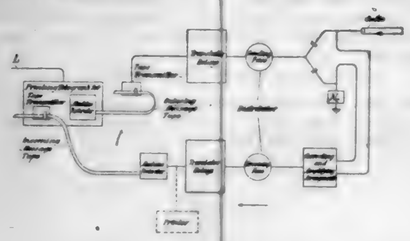
1,557,633. TRANSLATING DEVICE. GILBERT S. VERNAM, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 21, 1920. Serial No. 375,602. 4 Claims. (Cl. 178—71.)



1. A transmission line, transmitting apparatus associated therewith adapted to transmit three-impulse combinations thereover in accordance with a three-unit code, a transmitter operated in accordance with five-impulse combinations of a message transmitted in a five-unit code, a series of relays controlled by said transmitter, a second series of relays controlled by said first series of relays, locking circuits for said second series of relays, means controlled by said first series of relays for determining the character of the first impulse of the three-unit combination to be transmitted by said transmitting apparatus over said line, means operating subsequent to said determination for releasing said first series of relays, means controlled by said second series of relays for determining the character of the second and third impulses of said three-unit combination, and means operating subsequent to said last mentioned determination for opening said locking circuits.



1,557,634. SCOOTER WAGON. LOWELL E. WALTER, Des Moines, Iowa. Filed Aug. 25, 1924. Serial No. 733,955. 6 Claims. (Cl. 208—33.)

1. In a scooter vehicle, a frame, a steering wheel at the forward end thereof, a crank axle journaled at the rear of said frame and having opposed cranks, and pedal plates having bearings at their rear ends directly on said cranks and having their forward ends arranged for reciprocal sliding movement relative to said frame.

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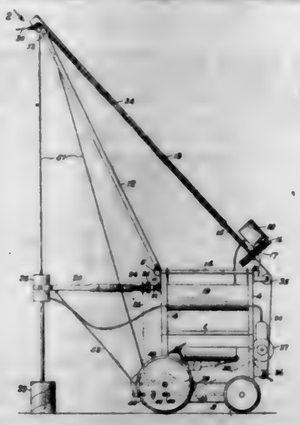
1,557,635. APPARATUS FOR ERECTING POLES. JOHN H. WARE, Jr., Oxford, Pa. Filed Jan. 9, 1923. Serial No. 611,629. 4 Claims. (Cl. 255—22.)



3. Apparatus for digging post holes comprising in combination a truck, auger mechanism, an arm projecting from the truck for co-operating in applying down draft to the auger mechanism, a cable extending upward and adapted to pull down on the auger mechanism, and means for operating the cable.

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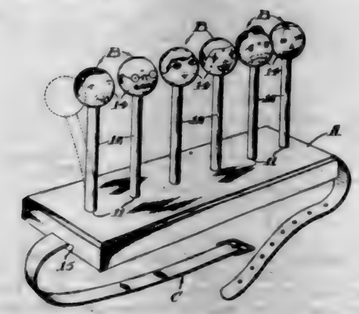
1,557,636. VIBRATING FIGURE TOY. PAULINE B. WARNER, St. Paul, Minn. Filed Mar. 1, 1924. Serial No. 696,203. 3 Claims. (Cl. 46—40.)



2. In a toy, a base, a series of resilient stems secured to said base, a plurality of objects, one for each stem, each object being secured to its respective stem at the free end thereof and being sufficiently heavy to render said stem actively vibrative through relatively great limits, said stems being relatively located to bring each object within range of adjacent objects, whereby a continuity of movement may be set up in the series through a succession of impacts initiated by one of said objects and carried on through the remaining objects.

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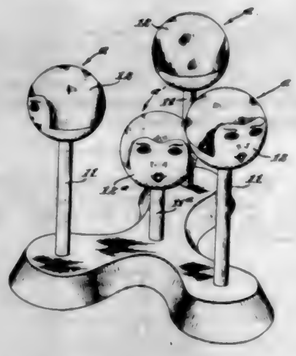
1,557,637. VIBRATING FIGURE TOY. PAULINE B. WARNER, St. Paul, Minn. Filed Dec. 31, 1924. Serial No. 759,022. 6 Claims. (Cl. 46—40.)



4. In a toy, a base, closely grouped vibrative objects, each comprising a resilient stem rising from the base and having a head thereon, the heads of said objects being supported, normally, at different elevations to provide for maximum limits in the swaying movements of said objects in such closely grouped relation.

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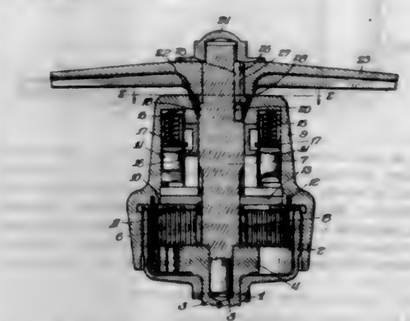
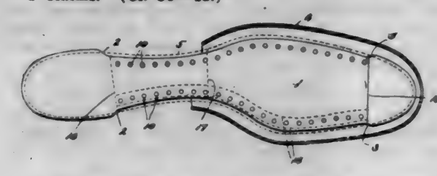
1,557,638. ADJUSTMENT MEANS FOR STEERING WHEELS. LOUIS G. WELLDS, Chicago, Ill., assignor to Richard M. Decker Company, Chicago, Ill., a Co-partnership consisting of Richard M. Decker, F. B. Harriman, H. M. Decker, S. P. Harriman, and L. M. Harriman. Filed Oct. 4, 1923. Serial No. 666,427. 5 Claims. (Cl. 74—33.)



1. Steering wheel construction comprising a rotatable shaft, an enclosed housing member for said shaft, adjustment means having screw threaded engagement with said shaft, said housing member and said adjustment means having corresponding conical bearing surfaces whereby upon the turning of said adjustment means, play between said adjustment means and said housing may be minimized, said shaft being provided with a key slot and said adjustment means being provided with a plurality of key slots adapted to register with the key slot in the said shaft.

1,557,639. INSOLE. WARREN B. WHITE, North Abington, Mass. Filed May 19, 1922. Serial No. 562,097. 4 Claims. (Cl. 36—43.)



4. An insole for boots and shoes, having a removable portion, extending from the toe portion rearwardly to the shank, said portion being temporarily removable from the shoe after the upper and outsole have been attached, and lasting tacks can be withdrawn from the forepart and shank of the removable portion such portions be replaced in the shoe.

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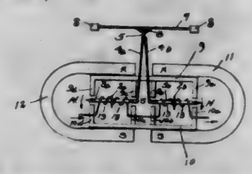
1,557,640. ELECTROMECHANICAL TRANSFORMING DEVICE. HENRY MERLE WILLIAMSON, Oak Park, Ill. Filed July 22, 1925. Serial No. 45,432. 19 Claims. (Cl. 179—119.)



2. An electro-mechanical transforming device including pole pieces, a plurality of torsionally mounted movable armatures operatively related to said pole pieces, and means for combining the movements of said armatures.

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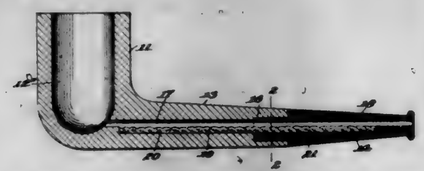
1,557,641. PIPE. DALL WORTHINGTON, Baltimore, Md. Filed Jan. 24, 1925. Serial No. 4,431. 3 Claims. (Cl. 131—12.)



1. A pipe including a mouthpiece portion and a bowl member having a stem portion, each of said portions having a smoke passage and an absorbent passage communicating therewith, each of said absorbent passages being adapted to receive a portion of an absorbent member, means for connecting said portions, said absorbent passages being located centrally of said connecting means.

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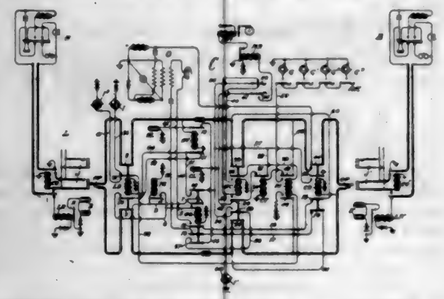
1,557,642. TELEPHONE SYSTEM. GEORGE A. YANOCHOWSKI, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed June 20, 1921. Serial No. 478,796. 11 Claims. (Cl. 179—58.)

1. A telephone system comprising telephone lines, an operator's link circuit for interconnecting said lines, operator controlled means for applying ringing current to a called line, an interrupter and an interrupter relay for intermittently applying said ringing current, a second interrupter, and means under the control of the calling substation for disconnecting said first interrupter and connecting said second interrupter in said circuit.

9. A telephone system including a pair of lines, a circuit for connecting said lines, a signal, means controlled by one subscriber for flashing said signal if the other



subscriber has not responded, and means controlled by said other subscriber for afterwards causing a continuous operation of said signal.

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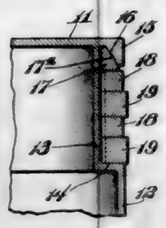
1,557,643. PISTON FOR INTERNAL-COMBUSTION ENGINES. HENRY R. YOUNG, Muskegon, Mich. Filed Oct. 4, 1924. Serial No. 741,607. 1 Claim. (Cl. 74—109.)



A one piece piston having the skirt thereof reduced intermediate its ends to provide a groove forming opposing shoulders, the upper shoulder being undercut, a split resilient wedging ring opposing said shoulder and having an inclined face opposing the undercut portion of the shoulder and a plurality of split resilient rings arranged within said groove and between the first named ring and the shoulder at the opposite end of the groove, the last named rings including packing rings and spacers therefor, the first named ring constantly urging the last named rings toward the last named end of the groove, the shoulder at the last named end of the groove being square.

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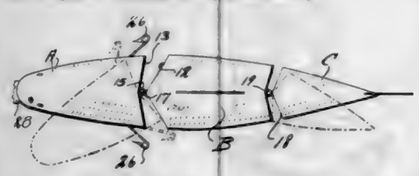
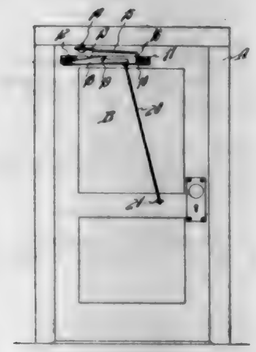
1,557,644. ARTIFICIAL BAIT. CHRISTIAN A. ANDERSEN, Watertown, S. Dak. Filed May 5, 1925. Serial No. 28,233. 3 Claims. (Cl. 43—36.)



1. An artificial bait of the character described composed of a plurality of jointed sections, one of said sections being formed with a recess, hooks having forwardly convergent shanks disposed in said recess, eyes supporting the rear ends of said shanks, and a coiled compression spring resisting rearward movement of the forward ends of the shanks.



1,557,645. DOOR-HOLDING DEVICE. NELS J. ANDERSON, Owen, Wis. Filed Oct. 22, 1923. Serial No. 670,205. 2 Claims. (Cl. 292—274.)



1. In a door holding mechanism, a track carried by the door and formed with notches in its upper edge, and a latch pivoted upon the door frame and having a down turned forked end straddlingly engaging and riding upon the upper edge of the track, and adapted to enter a selected one of the notches for holding the door in open position.

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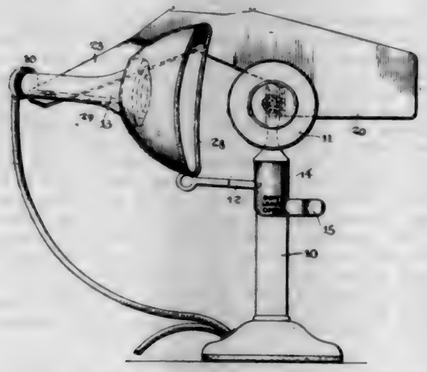
1,557,646. TELEPHONE STAND. MAUDE ARMSTRONG, Denver, Colo. Filed Aug. 13, 1923. Serial No. 657,104. 7 Claims. (Cl. 179—147.)



4. A device of the class described comprising a bracket, an element pivotally supporting said backet to swing in a substantially horizontal plane, and a second element adjustably and pivotally supported by said bracket, said bracket having a counterbalancing portion extending on the opposite side of its supporting element, substantially as set forth.

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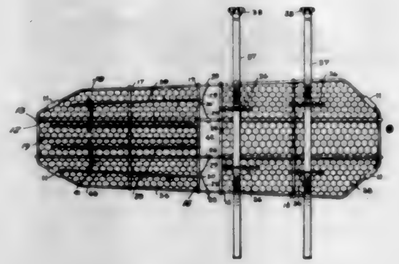
1,557,647. SPLINT STRETCHER. SYDNEY B. AUSTIN, Mountain Lakes, N. J., assignor to The Kny-Scheerer Corporation of America, New York, N. Y., a Corporation of New York. Filed May 2, 1923. Serial No. 636,049. 3 Claims. (Cl. 5—82.)

1. In a splint stretcher a separable frame comprising an outer frame member which at the point of separation has two tongue members mounted in the head portion of said frame adapted to engage the outer frame member of the foot portion, a circular boring in each of said tongues adapted to register with a circular boring in said outer frame foot portions, a pin adapted to secure said members together through said circular borings,



longitudinal frame members the head portions of which terminate at the point of separation in cylindrical tubes, a cylindrical boring in said cylindrical tubes and semicircular cutouts in the foot portions of said frame members adapted to register with said borings and pins adapted to secure the same together.

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1,557,648. METHOD OF SPLICING CANE ENDS. JOSEPH HENRY BLAIR, St. Louis, Mo., assignor to St. Louis Car Company, St. Louis, Mo., a Corporation of Virginia. Filed May 31, 1924. Serial No. 717,121. 1 Claim. (Cl. 24—30.)

An interlocking joint comprising two independent ends tapered on one side from their extremities to points spaced a material distance therefrom whereby they are reduced in thickness toward their extremities, one of said ends being provided intermediate the ends of its tapered portion with a relatively narrow rectangular longitudinal slot, the other of said ends being substantially equal in width to the length of said slot and provided on opposite sides intermediate the ends of its tapered portion with transversely alined rectangular notches forming a shank substantially equal in width to that of said slot, said second named end being adapted to be inserted in said slot with its width arranged lengthwise thereof and turned to arrange said shank transversely of said slot and snugly fitting therein, the portions of each end outwardly of said slot and said shank being adapted to be arranged against the other end inwardly of said slot and said shank.

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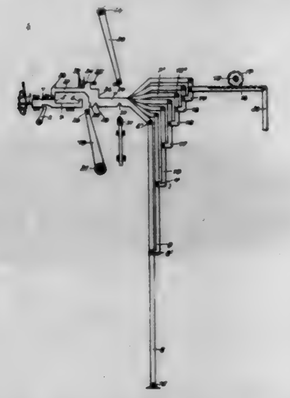
1,557,649. AUTOMATIC APPARATUS. WILHELM BLANK, Plauen, Germany. Filed July 13, 1923. Serial No. 651,386. 8 Claims. (Cl. 112—86.)

1. An automatic apparatus for adjusting textile machine parts comprising, in combination, a set of adjusting levers, of which each forms a double-armed lever and of which the second is pivoted to the first at half of the length thereof, and the third to the second at

half of the length thereof; a jacquard-device; means to transmit to said levers a driving motion as determined by said jacquard device; and means adapted to



transmit the summed-up movements from the last of the said levers to the machine part to be re-adjusted, as set forth.

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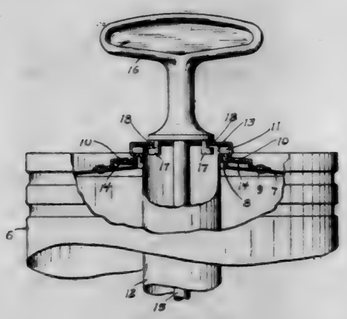
1,557,650. SPRAYER CLOSURE. HENRY E. BRANDT, North St. Paul, Minn., assignor to Dobbins Manufacturing Company, North St. Paul, Minn., a Corporation of South Dakota. Filed Aug. 28, 1924. Serial No. 734,652. 14 Claims. (Cl. 299—96.)



1. The combination with the wall of a sprayer receptacle having an opening therethrough and an outwardly projecting ring about said opening, a gasket contacting said ring, a pump cylinder having a flange overlying said gasket, a substantially annular helical means on the exterior of said wall, and a cap having helical means thereon engaging said first named helical means and pump cylinder to draw the latter against said gasket.

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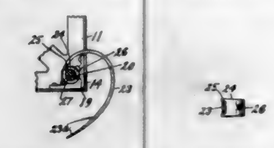
1,557,651. SEEDER AND DRILL ATTACHMENT. JOSEPH J. BUSS, Prescott, Wis. Filed Sept. 17, 1923. Serial No. 663,141. 1 Claim. (Cl. 55—74.)

In a machine of the class described, a rock shaft having a series of spaced diametral bolt holes, a series of C-shaped pulverising teeth each of which has its upper end formed with a loop fitting about the shaft and provided with two holes registering with the ends of one of the holes in the shaft, and a bolt passed through said registering holes and provided with a nut the short



end of said looped portion of the tooth being broadened and formed with two projections which straddle the body of the tooth near the loop.

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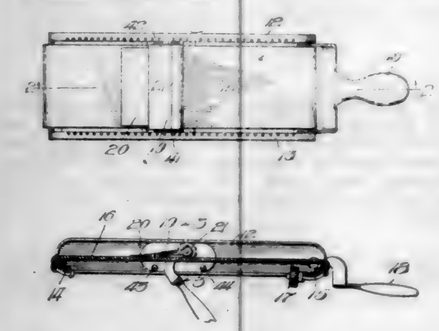
1,557,652. RAZOR STROP. CHARLES E. CARPENTER, Chicago, Ill. Filed Aug. 8, 1923. Serial No. 656,391. 1 Claim. (Cl. 51—153.)



In a razor stropper, the combination of a rectangular frame having a pair of channel shaped side plates with their channel portions facing each other and also having suitable end connections joining said channels together, a strap extending between the end connections aforesaid, a blade carrier located on one side of the strap and between the channel shaped side plates, said blade carrier including a tubular member, a handle pivotally connected to the tubular member and serving to shove the tubular member back and forth with respect to the strap, a fixed member in each end of the tubular member, a sprocket wheel at each end of the tubular member, a hub connected to each sprocket wheel and reaching into the tubular member and frictionally engaging the fixed member in the tubular member aforesaid, spring pressure means tending to draw the hubs against the fixed blocks aforesaid, and ratchets on the frame side plates, engaging the sprockets, substantially as described.

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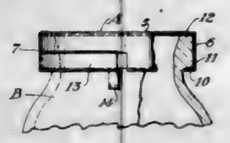
1,557,653. CAP FOR BOTTLES OR OTHER CONTAINERS. LESLIE R. N. CARVALHO, Toledo, Ohio, assignor to The Closure Service Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 11, 1924. Serial No. 685,531. 12 Claims. (Cl. 215—38.)



1. A closure cap comprising a top portion and a depending circumferential flange portion, the latter formed with a score or weakened line extending lengthwise thereof approximately only half the circumference of



the flange and providing a removable strip, the score line being so positioned and arranged that when the strip is removed the depth of the remaining flange along said half of the circumference is substantially less than the depth of the other portion of the flange.

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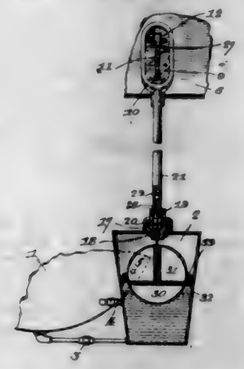
1,557,654. OIL GAUGE. BASILE CASPAIN, Montreal, Quebec, Canada, assignor to Eagle Utilities Company, Detroit, Mich., a Copartnership consisting of Elias P. Asmur, Albert Saghbini, and Basile Caspain. Filed Mar. 18, 1924, Serial No. 700,132. Renewed Sept. 2, 1925. 3 Claims. (Cl. 73—82.)



1. An oil gauge comprising a reservoir and an indicator, a stem slidably mounted in said reservoir, a float section secured to said stem, a second float section surrounding said stem and disposed above the first section, lugs extending from said second section, stop members carried by said reservoir and adapted for engagement by said lugs, and an operative connection between said stem and indicator.

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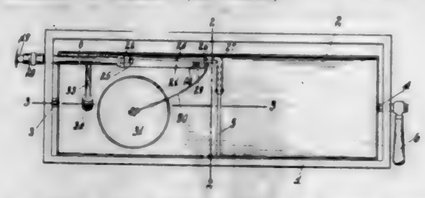
1,557,655. BRUSH HANDLE. HENRY CAVE and CHAUNCEY P. MANNING, Hartford, Conn., assignors to The Fuller brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Oct. 8, 1923. Serial No. 667,206. 1 Claim. (Cl. 15—206.)

A brush structure including a brush having a stem formed of twisted strands of wire, and a handle into which said stem projects, one of said strands terminating within the handle and having its end projected laterally to form a key located in a key-way extending longitudinally of the handle and opening out of the hole for the stem in said handle.

1,557,656. FLUSHER BOX. FRANKLIN D. CHASE, Berkeley, Calif. Filed Mar. 4, 1922. Serial No. 541,022. 2 Claims. (Cl. 4—32.)



1. A flush tank including a flush tank casing having an outlet, a water receptacle journaled within said casing, an intake valve mounted in said casing for controlling the admission of water into said receptacle, a lever formed with a presser foot for engaging the end of the stem of said valve, a spring for swinging said lever so that said presser foot will release said valve stem, a float lever, a float connected to said lever within said receptacle, a cam on said float lever, and a catch on said receptacle for engaging said lever and swinging it over said cam into engagement therewith into position so that said presser foot will open said valve, when the receptacle is swung back into normal position after being emptied, said cam being shaped to allow said lever to escape it when the float rises to cause said spring to swing said lever to release said presser foot from the valve stem to permit the valve to open.

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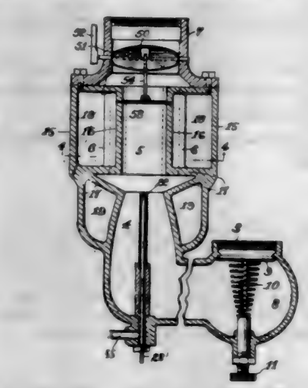
1,557,657. CARBURETOR. HARRY O. CRAM, Bridgeport, Conn. Filed Sept. 22, 1920. Serial No. 412,041. 13 Claims. (Cl. 261—13.)



2. A carburetor comprising a mixing chamber, a heating chamber integrally surrounding the same, said mixing chamber comprising a main duct and a plurality of auxiliary ducts having a common outlet, a primary throttle valve for controlling the flow of gases through said common outlet, and a secondary throttle valve for controlling the flow of gases through said main duct.

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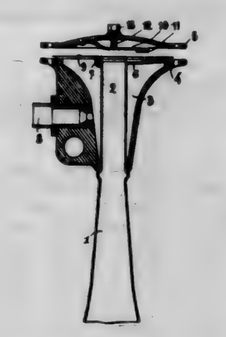
1,557,658. MECHANICAL HORN. LOUIS CHOLLET, Paris, France, assignor to Compagnie Industrielle et Commerciale du Cycle et de l'Automobile, Neuilly-sur-Seine, France. Filed Dec. 28, 1922. Serial No. 609,405. 3 Claims. (Cl. 116—142.)

2. In a sound producing instrument the combination with a horn, an inner extension thereof, an air supply entrance, an expansion chamber and a cover piece, of an end piece mounted on the inner end of the said horn extension and adapted to partially close the open end

of the said air expansion chamber, a rigid strip on the said horn extension end piece, a membrane secured between the said expansion chamber and the said cover piece, an adjustable plate secured within the said cover



piece and adapted to be actuated by the air pressure acting on the entire surface of the membrane; a passage leading from the air supply entrance to the air expansion chamber, and an air outlet of adjustable diameter.

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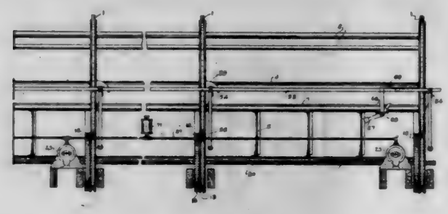
1,557,659. ROTARY-DUMP CONTROLLER. WILLIAM R. COLEMAN, Birmingham, Ala. Filed Jan. 3, 1922. Serial No. 526,848. 27 Claims. (Cl. 214—52.)



1. The combination with a dump having means to receive and hold a car and a fixed axis about which the dump turns to discharge the contents of the car, of a dash-pot, and a speed reducing transmission actuated by the periphery of the dump and directly connected to the movable element of the dashpot to control the dump's angular movements in both directions.

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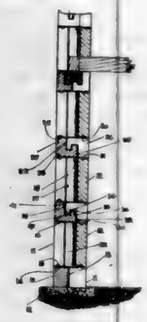
1,557,660. METHOD OF MAKING ANHYDROUS MAGNESIUM CHLORIDES. PAUL COTTRINGER and WILLIAM R. COLLINGS, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Mar. 10, 1921. Serial No. 451,199. 8 Claims. (Cl. 23—91.)

1. In a method of making anhydrous magnesium chloride, the steps which consist in intermixing partially dehydrated magnesium chloride with the normal hydrated salt, both in solid form, and then directly heating the mixture at a temperature sufficiently elevated to drive off water of crystalliation.

8. In a method of making anhydrous magnesium chloride the steps which consist in driving off a portion of the water of crystallization from the normal hydrated salt by moving the latter in opposed direction against a current of gases of combustion, regulating the temperature of such gases by admixing air at normal temperature therewith, and returning a portion of the product for use over again in the preceding steps.

1,557,661. WALL CONSTRUCTION. ANTON MARIUS CRAMER, Montreal, Quebec, Canada. Filed Jan. 16, 1925. Serial No. 2,853. 6 Claims. (Cl. 72—102.)



1. In wall construction, a plurality of main blocks, in courses, a plurality of intermediate blocks in courses, between said main blocks and forming therewith a front to the wall, a plurality of main rear blocks having abutments meeting the joints of the front blocks, a plurality of intermediate rear blocks and locking blocks front and rear having interlocking inner portions and introduced in said intermediate courses.

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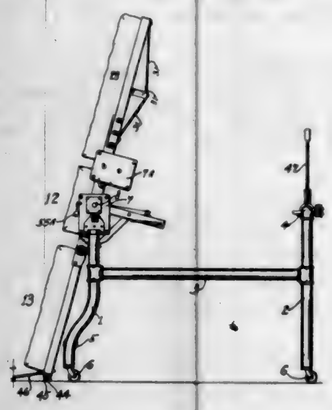
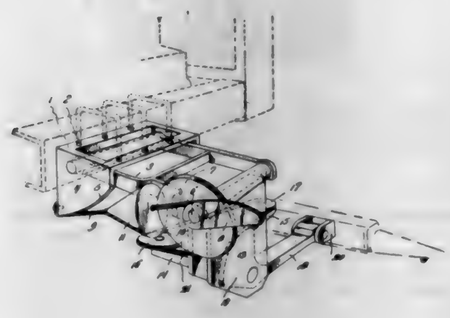
1,557,662. INVALID BED. JAMES W. CRAWFORD, Memphis, Tenn. Filed Feb. 15, 1924. Serial No. 692,978. 6 Claims. (Cl. 5—62.)



3. In an invalid bed, the combination with a supporting frame, of a mattress support pivoted to said frame, and means for varying the inclination of said central section, comprising a casing, a gear sector within said casing, a hub projecting therefrom through said casing and attached to said support, said hub being rotatably mounted in said casing, means for turning said gear sector, a pawl for locking said turning means, a pawl locking member, a handle thereon for depressing said locking member to hold said pawl in engagement with said pinion, and for raising said member to disengage said pawl, and a spring for normally depressing said handle.



1,557,663. VEHICLE BODY STABILIZER AND EQUILIBRIUM DEVICE. LAWRENCE P. CROSS, Gary, Ind., assignor of one-fifth to Henry B. Colburn, one-fifth to Bernard T. Sayles, one-fifth to Edwin W. Sales, and one-fifth to Carl E. Valette, all of Gary, Ind. Filed July 16, 1924. Serial No. 726,311. 4 Claims. (Cl. 267—20.)



1. A stabilizing device of the class described comprising a bracket, a frame pivoted upon the bracket, a shaft journaled for rotation upon said frame, said shaft having a crank arm and a pulley at one end thereof, a hanger depending from said frame, an arm pivoted at one end to said hanger and adapted to be pivotally connected at its opposite end to the axle of a vehicle, additional pulleys journaled for rotation upon said hanger, a cable connected at one end with said first named pulley and connected at its opposite end with the second named arm, and having its intermediate portions trained around said additional pulleys, and a sectional cable, the outer ends of the sections of which are connected to said bracket and crank arm respectively, and spring means with which the inner ends of said cable sections are associated.

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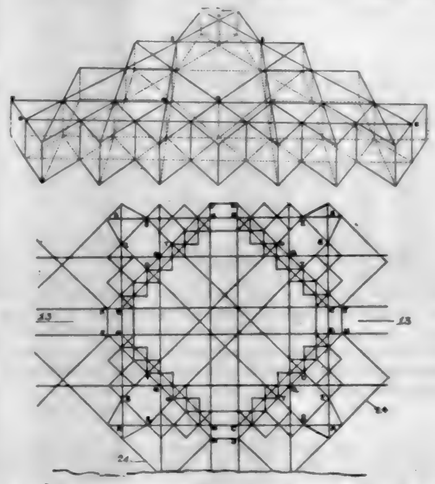
1,557,664. MICROPHONE TRANSMITTER FOR GRAMOPHONES. PHILIP E. DAVENPORT, London, England. Filed Jan. 2, 1924. Serial No. 684,041. 8 Claims. (Cl. 179—100.1.)

1. A microphone transmitter adapted to be operated by gramophone and like records comprising a casing, a microphone mounted therein, a cover of soft fibrous material stretched across the front of said microphone adapted to prevent external sounds from affecting the microphone and means mounted on said casing for mechanically transmitting the vibration of the stylus to said cover.

1,557,665. REENFORCED CONCRETE STRUCTURE. DAVID DAVIDSON, Leeds, England. Filed Dec. 10, 1923. Serial No. 679,783. 9 Claims. (Cl. 72—15.)



1. In a reenforced concrete structure of the class described, the combination of a series of spaced supports, trussed frame unclear units external to each of the supports and positioned adjacent the sides thereof and reenforcing means joining said units together.

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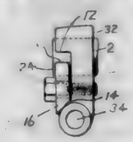
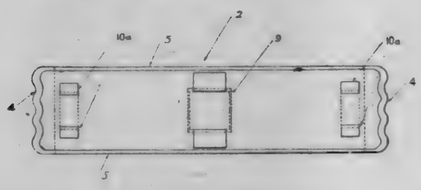
1,557,666. TERMINAL CONNECTER. CHARLES MELVIN DAVIS, Lynn, Mass. Filed Oct. 27, 1919. Serial No. 333,680. 1 Claim. (Cl. 173—259.)



A storage-battery connecter comprising two conducting members between which a storage-battery terminal is adapted to be clamped; the two conducting members being separate and distinct one from the other to permit lifting one of the conducting members away from the other conducting member and thereby release the storage-battery terminal without hammering the connecter or prying the connecter away from the storage-battery terminal with an instrument; one of the conducting members being provided with a conductor-receiving socket, a wedge face, and an interior opening a wall of which constitutes a jaw; the other conducting member being provided with a cooperating wedge face, and with a cooperating jaw; the wedge faces being adapted to engage to effect a relative sliding movement of the two conducting members into clamping engagement with the storage-battery terminal; the clamping walls of the jaws extending at right angles to the direction of relative sliding movement of the conducting members; the said other conducting member having an opening that is elongated in the direction of relative sliding movement of the jaws and that is situated to one side of the clamping jaws; the said one conducting member having a screw-threaded opening registering with the elongated opening; and a screw-threaded member mounted in the elongated opening, and screw-threaded into the screw-threaded opening, and provided with a polygonal head adapted to be engaged by a wrench to effect the said relative sliding movement of the conducting members into clamping engagement with the storage-battery terminal.

1,557,667. BRAKE SHOE. MURRELL R. DE FRANCE, Bellevue, Pa. Filed Oct. 16, 1924. Serial No. 743,937. 10 Claims. (Cl. 188—254.)



5. In a brake shoe having a filling of composition and a pressed metal shell embracing the same, a metallic shell pressed from a single integral blank which has relatively thick back and end walls and relatively thin side walls of uniform thickness throughout their vertical extent, and a separately formed lug attached to the back of the shell and having in the key way thereof teeth for firmly engaging the key which connects the brake shoe to its hanger.

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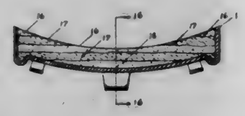
1,557,668. BRAKE SHOE. MURRELL R. DE FRANCE, Bellevue, Pa. Filed Nov. 10, 1924. Serial No. 748,863. 12 Claims. (Cl. 188—254.)



5. In a brake shoe comprising a pressed metal shell and a composition filler therefor, an integral block of filling composition stratified vertically into areas with different coefficients of friction, the composition in certain of such areas comprising granular asbestos as one of its principal ingredients.

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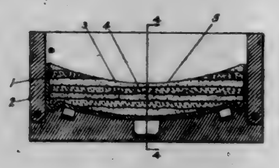
1,557,669. BRAKE SHOE. MURRELL R. DE FRANCE, Bellevue, Pa. Original application filed Nov. 10, 1924. Serial No. 748,863. Divided and this application filed Apr. 18, 1925. Serial No. 24,069. 4 Claims. (Cl. 188—254.)



3. In a brake shoe comprising a pressed metal shell and a composition filler therefor, an integral block of filling composition stratified horizontally into areas having different rates of disintegration in use of the brake shoe.

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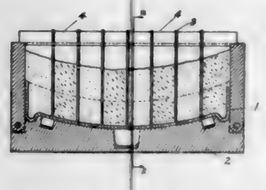
1,557,670. METHOD OF MAKING BRAKE SHOES. MURRELL R. DE FRANCE, Bellevue, Pa. Original application filed Nov. 10, 1924, Serial No. 748,863. Divided and this application filed Apr. 18, 1925. Serial No. 24,070. 10 Claims. (Cl. 18—59.)

1. The method of making a composition brake shoe which consists in positioning a pressed metal shell within a mold, dividing the shell within the shell and mold by temporary partitions, inserting into different compartments formed by such partitions various grades



of filling composition in a plastic condition, withdrawing such partitions, and pressing the body of composition to compact the same into a single integral block.

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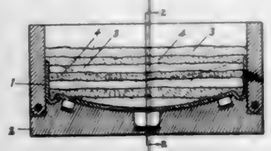
1,557,671. METHOD OF MAKING BRAKE SHOES. MURRELL R. DE FRANCE, Bellevue, Pa. Original application filed Nov. 10, 1924, Serial No. 748,863. Divided and this application filed Apr. 21, 1925. Serial No. 24,737. 2 Claims. (Cl. 18—59.)



1. The method of making a composition brake shoe which consists in positioning a pressed metal shell within a mold, introducing into the shell and mold a plurality of grades of filling composition while in a plastic condition in such manner that the several grades of filling composition form horizontal strata, and pressing the body of composition to compact the same into a single integral block.

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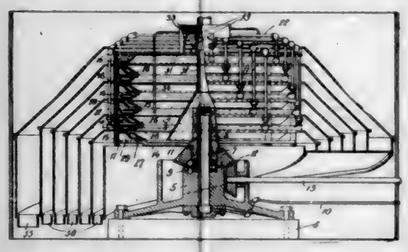
1,557,672. CENTRIFUGAL CONCENTRATOR. HENRY ALFRED DOERNER, Reno, Nev. Filed Mar. 14, 1924. Serial No. 699,216. 13 Claims. (Cl. 83—67.)



1. The improvement in the method of separating finely divided solids of different densities by centrifugal action which comprises discharging the solids of higher specific gravity through a discharge path of such character that centrifugal force acting upon the accumulating solids of higher specific gravity effects a substantially continuous movement of such solids through a liquid seal operatively maintained in the discharge path by centrifugal action, and maintaining said accumulating solids of higher specific gravity in a substantially mobile condition by the action of a fluid other than the sealing liquid which flows opposite in effect to the action of centrifugal force upon said accumulating solids.



1,557,673. SHADE ROLLER. CHARLES G. DUNLAP and ANDY WITTEN, North Tazewell, Va. Filed Oct. 18, 1923. Serial No. 669,290. 1 Claim. (Cl. 156—19.)

A shade roller structure comprising a cylinder provided upon its inner surface with a spirally disposed guide, sleeve members entering the ends of the cylinder and upon which the cylinder is journaled for rotation, parallel spaced members traversing the length of the cylinder and connected with the sleeve members, a block slidably mounted upon the runners and housed within the cylinder, a member carried by the block and engageable with the spirally disposed member of the cylinder and flexible elements connected at their ends with the block and extending through the sleeves.

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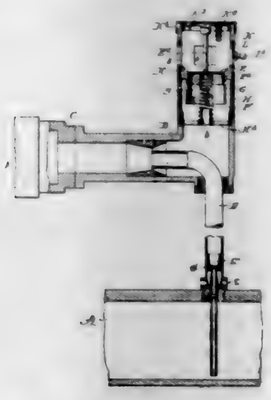
1,557,674. DASHPOT-CONTROLLED AIR VALVE FOR INTERNAL-COMBUSTION ENGINES. WILLIAM A. EDWARDS, Chicago, Ill. Filed Sept. 18, 1923. Serial No. 662,583. 7 Claims. (Cl. 123—124.)



1. In a fuel feeding device for internal combustion engines in combination with a conduit through which air for fuel admixture is drawn by the engine suction, a valve controlling atmosphere access to said conduit, a dash-pot device connected with the valve for retarding its openings, the valve being a piston and the slide seat a cylinder having lateral ports; a chamber which encloses said cylinder, the latter being carried by one end of said chamber and terminating short of the other end, said chamber being mounted by said other end on the conduit for communication therewith.

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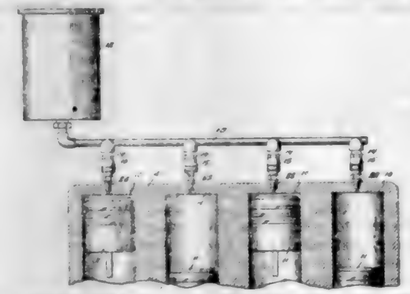
1,557,675. LUBRICATING SYSTEM. ALBERT EICHELBERGER, De Soto, Mo. Filed Oct. 29, 1921, Serial No. 511,361. Renewed Aug. 6, 1925. 1 Claim. (Cl. 184—58.)

The combination with an internal combustion engine including a cylinder provided with a port, of a lubricating system comprising a container, a valve casing, a valve in said casing, and a conduit connecting said casing and said container, said casing having a recess therein, a pair of oppositely disposed valve seats in said recess, and a bore communicating with said recess and connecting said conduit and said port, said valve having a stem and an enlarged part loosely disposed in said bore and said recess respectively, and said enlarged



part being forced into engagement with said seats alternately by the operation of said engine to control the flow of lubricant thereto from said container.

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1,557,676. SAFETY RAZOR. ISAK EKLUND, Paterson, N. J. Filed June 5, 1922. Serial No. 566,182. 2 Claims. (Cl. 30—12.)

2. A safety razor comprising an elongated head having one longitudinal edge portion formed with a longitudinal depression, a rearwardly projecting flange extending approximately in a plane at right angles to the normal plane of a blade supported on said head, the flange being extended for the full length of said head and the depression terminating short of the ends of said head and flange, whereby to define protecting members at the ends of the edge for the corners of the blade, a holder having an attaching member extending through said head and being provided with blade positioning means, and a blade confined between said holder and head and having means cooperating with said blade positioning means.

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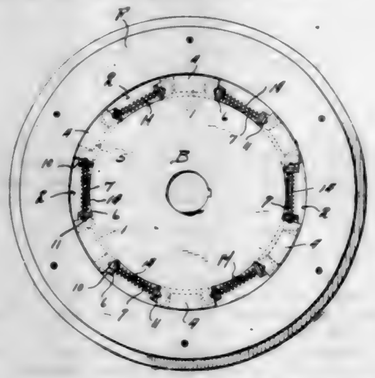
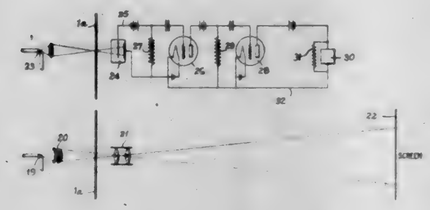
1,557,677. RESILIENT WHEEL. WILLIAM YANCEY ELLIOTT, Deer Lodge, Mont. Filed June 30, 1925. Serial No. 40,589. 4 Claims. (Cl. 152—28.)



1. A resilient wheel comprising, in combination, a felly, a wheel body substantially snugly fitting within the opening defined by the felly, the marginal portion

of the body being provided therearound with spaced recesses, the marginal parts of the body between the recesses constituting flanges, said flanges being provided with circumferentially disposed grooves, inwardly directed lugs carried by the felly and disposed circumferentially therearound, said lugs being received within the grooves of the flanges, the recesses being of a length less than the space between adjacent lugs, and a shock absorbing medium positioned within each of the recesses and coacting with the felly.

1,557,678. ACOUSTIC-CINEMATOGRAPHIC APPARATUS. JOSEF ENGL and JOSEPH MASSOLLE, Berlin-Grunewald, and HANS VOGT, Berlin-Wilmersdorf, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland, a Corporation of Switzerland. Original application filed Apr. 4, 1921, Serial No. 458,629. Divided and this application filed Oct. 29, 1924. Serial No. 746,741. 6 Claims. (Cl. 179—100.1.)



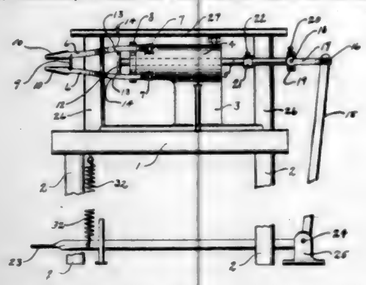
1. In acoustic-cinematographic apparatus, including an electric device, adapted to cause electro-magnetic disturbances in adjacent electrical apparatus, the combination of means for producing an acoustically modulated electric current, a plurality of thermionic amplifiers, and connections between all of said elements including resistance couplings between adjacent amplifiers, adapted to avoid the disturbing effect of said electric device on the circuits of said amplifiers.

1,557,679. FIGURE TOY. MAX H. FEIST, Toutle, Wash. Filed Mar. 10, 1921. Serial No. 451,425. 2 Claims. (Cl. 46—40.)

2. A figure toy of the character described comprising a supported figure, flexible arms secured to said figure, a tool fixed to said arms, and a cam operated means for operating said tool and moving said arms in unison.

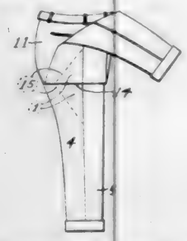
1,557,680. CUFFING MACHINE. JOHN A. FLEISCHLI, St. Louis, Mo., assignor to Cupples Company Manufacturers, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 17, 1922. Serial No. 582,343. 2 Claims. (Cl. 154—5.)

1. A cuffing machine including a standard, a cylinder on the standard, a plurality of fingers pivoted on the cylinder to swing away from and towards the axis of said cylinder, said fingers being curved inwardly at the extremities, bluntly pointed conical ends on said fingers, and spring means holding the fingers normally closed toward said axis a rod extending through the cylinder axially thereof, a disk on the end of the rod having its



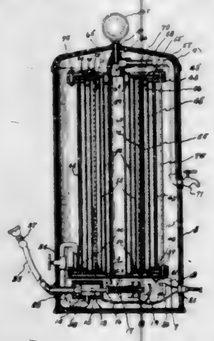
edges in contact with said fingers on their inner sides and movable forwardly to expand the set of fingers, and means to move the rod.

1,557,681. MEANS FOR PREVENTING WEAR IN THE CROTCH OF TROUSERS. HENRY A. FUNK, St. Louis, Mo. Filed Oct. 12, 1923. Serial No. 668,054. 1 Claim. (Cl. 2—231.)



A shield for protecting the crotch of trousers which consists of two triangular-shaped members disposed one on each side of the crotch on the inside of the trousers and secured along two of its edges to the seams of the crotch, the other edge being left free to permit a slight degree of movement of the member with respect to the cloth of the crotch, said triangular-shaped members being respectively faced with rubber on the side bearing against the cloth of the crotch and having the outside faced with a protective covering of fabric.

1,557,682. ELECTRIC HEATER. MICHELLE S. GAZELLE, Highland Park, Mich. Filed Apr. 10, 1925. Serial No. 22,073. 2 Claims. (Cl. 219—39.)

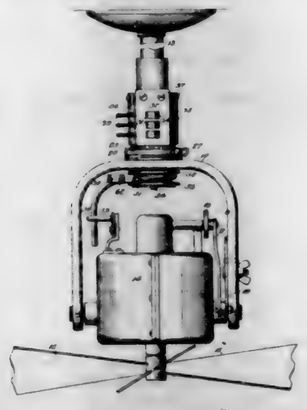


1. An electrical heater of the class described, comprising a plurality of tubes; a pair of rings adapted for mounting on each of said tubes, one of said rings



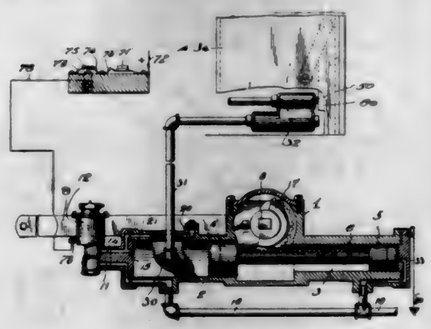
being mounted at each end of each of said tubes in embracing relation, the passages between the adjacent tubes being in connection at alternate ends; means for conducting water into said passages; means for conducting water from said passages; and an electrical heating element adapted for heating the water while passing through said passages.

1,557,683. ELECTRIC FAN. MAURICE M. GLASSER, Charleston, S. C. Filed Nov. 13, 1924. Serial No. 749,712. 12 Claims. (Cl. 230—1.)



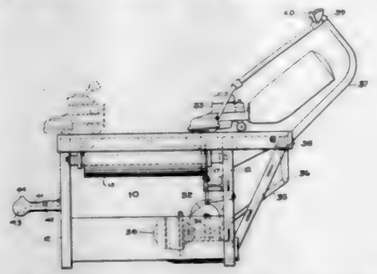
1. In an electric fan, a supporting element, a yoke rotatable on said member, a motor casing journaled in the yoke, means for oscillating the casing in a plane at right angles to the direction of rotation of the yoke, and means for intermittently rotating the yoke, said means comprising a plate fixed to the supporting element, a latch lever, co-operating latching elements on said plate and lever normally held disengaged by gravity, and means controlled by the oscillation of the motor casing for positively moving said latching elements into engagement.

1,557,684. PNEUMATIC-MOTOR MECHANISM. ALBERT GOTTSCHALK, New York, N. Y., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Mar. 22, 1919. Serial No. 284,480. 9 Claims. (Cl. 268—8.)



1. The combination with a door and a yieldable member associated therewith adapted to collapse when pressure is exerted thereagainst, of a motor for actuating said door to open and close the same, and fluid pressure controlled means actuated by the collapsing of said yieldable member only after the door has completed a prescribed distance of its travel towards closed position, for reversing said motor.

1,557,685. MECHANICAL DEMONSTRATING MACHINE. PHILIP G. GRAF, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Oct. 15, 1923. Serial No. 668,468. 8 Claims. (Cl. 35—16.)



1. The combination of an article to be used on carpets and mechanism for demonstration thereof, means for causing reciprocation of the article, a portion of the mechanism for demonstrating comprising a carpet over which the demonstrated article is reciprocated, the mechanism for demonstrating having means causing progressive step-by-step movement of the carpet in timed relation to reciprocations of the article thereover.

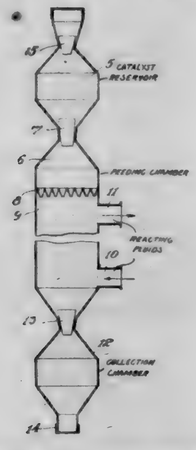
1,557,686. COMBINATION RECEIVER AND TRANSMITTER TELEPHONE SET. OTTO HAGENRUP, Maywood, Ill. Filed May 2, 1924. Serial No. 710,511. 6 Claims. (Cl. 179—103.)

1. A telephone head set, comprising, in combination, a casing, a transmitter and a receiver mounted in said casing in proximate relation, and means engageable with the head of a user for supporting said casing with the receiver against the user's ear and the transmitter disposed in proximity to, but spaced from, the user's cheek.

1,557,687. METHOD OF PRODUCING CATALYTIC REACTIONS. HANS E. HAGGENMACHER, New York, N. Y. Filed Apr. 13, 1921. Serial No. 460,990. 2 Claims. (Cl. 23—1.)

1. The method of effecting catalytic reaction to minimize the production of side reactions comprising continuously bringing a reacting-fluid in contact with fresh

quantities of a catalytic agent continuously and uniformly distributed in the reaction zone and continuously withdrawing substantially all of the used catalyst from




the reaction zone immediately, after once falling through the gases whereby side reactions are avoided and a maximum yield of the end product is obtained.

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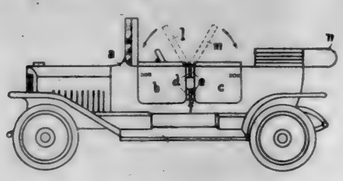
1,557,688. MOTOR-CARRIAGE BODY. CURT WILLIBALD ALEXIS HANNEBOHN, Berlin-Charlottenburg, Germany, assignor to Alexis Kellner, Berlin-Charlottenburg, Germany. Filed Jan. 10, 1925. Serial No. 1,680. 1 Claim. (Cl. 296—45.)



In combination with a motor-carriage body having two doors on either side: two hinges located at some distance from the lateral faces of the carriage body, one on one side, the other on the other side of said body and each being adapted to serve for the two doors of the respective side; bipartite window-guides on the doors the upper halves being hinged to the lower halves and adapted to be turned into horizontal and into vertical position; and tightening ledges attached to the back faces of those window-guides which are located opposite one another when in upright position, one of the tightening ledges on either side of the carriage body having a longitudinal recess and the other having a corresponding projection adapted to engage said recess.

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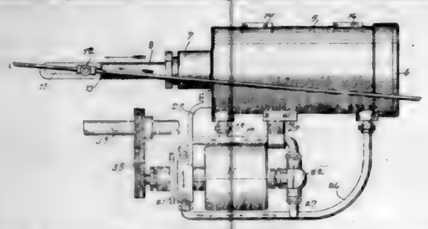
1,557,689. AUTOMATIC BRAKE-CONTROL MECHANISM FOR AUTOMOBILES. LON T. HARRIGAN, San Quentin, Calif., assignor, by mesne assignments, to Hydro Patents Company, a Corporation of California. Filed May 5, 1923. Serial No. 637,001. 3 Claims. (Cl. 303—21.)

1. In combination with an automobile having a brake rod and a driven shaft, of a fluid containing cylinder mounted adjacent thereto, a piston mounted within said cylinder, a connection between the piston rod and the brake rod permitting a limited manually applied braking movement of the brake rod independent of the piston rod, a shaft mounted below said cylinder, means for driving said last mentioned shaft from the driven shaft, a governor mounted upon said second mentioned



shaft, and a valve controlled by said governor for regulating the flow of fluid from one side of said piston to the opposite side thereof.

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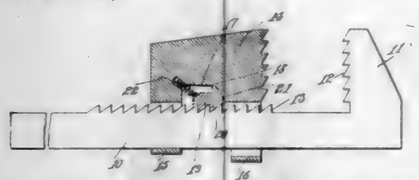
1,557,690. WRENCH. CHARLES W. HILL, Powell, Wyo. Filed Apr. 30, 1924. Serial No. 710,065. 1 Claim. (Cl. 81—145.)



In a wrench, a toothed shank, a fixed jaw integral with said shank at one end thereof, a slidable jaw embracing said shank by means of spaced loop members providing a recess in proximity to the teeth of the shank, an inclined end wall disposed inwardly toward the shank and longitudinally of the fixed jaw, and a toothed block having an inclined face for sliding movement in said recess and along said inclined end wall, whereby the slidable jaw is simultaneously forced toward the shank and in closer proximity to the fixed jaw to enable the work to be more firmly gripped upon operative movement of the wrench with respect to the work.

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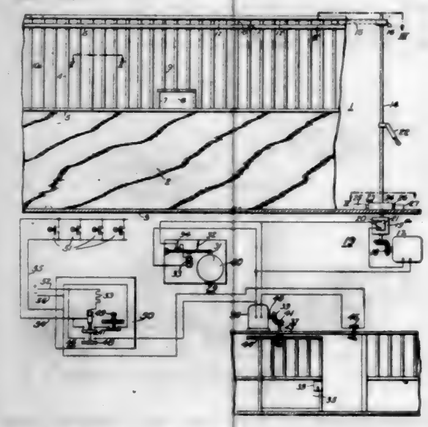
1,557,691. ROBBERY-PREVENTIVE DEVICE. WILLIAM CHANCELLOR HILL, Bellefonte, Pa., assignor of one-half to Jacob W. Eisenstadt, Pittsburgh, Pa. Filed Jan. 15, 1923. Serial No. 612,849. 4 Claims. (Cl. 268—2.)



1. In a robbery preventive device, the combination with a barrier, of a shield movably mounted in said barrier, means comprising a motor for actuating said shield, a door, means comprising a motor for actuating said door, means comprising a push button for simultaneously energizing said motors, and means for maintaining said motors energized independently of said push button.

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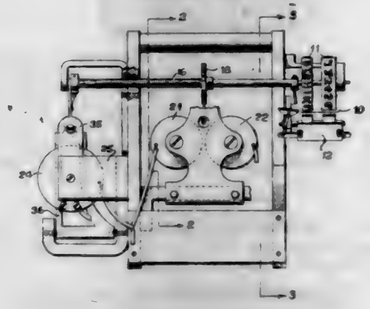
1,557,692. TYPE-WHEEL-SETTING MECHANISM FOR PRINTING-TELEGRAPH RECEIVERS. GEORGE S. HILTZ, Brooklyn, N. Y., assignor to Stock Quotation Telegraph Company, New York, N. Y., a Corporation of New York. Filed Feb. 8, 1923. Serial No. 617,860. 6 Claims. (Cl. 178—40.)



1. In a printing telegraph receiver in combination, a typewheel, a spring to actuate the typewheel to bring characters thereon to the printing position, electromagnetic setting means to control the movement of the typewheel, electromagnetic means in series with said setting means for printing from the typewheel after the same has been set, and electromagnetic means in parallel with the setting means for tensioning the typewheel actuating spring.

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1,557,693. TOILET ARTICLE. JULES HINDRELDT, Brooklyn, N. Y. Filed Oct. 11, 1924. Serial No. 743,124. 2 Claims. (Cl. 132—87.)

1. The combination with a pair of hingedly connected sections having their opposed sides formed with shallow recesses, of a toilet article received in one of said recesses, a second toilet article received in the other recess and having a spring pedestal for supporting the second toilet article and for urging the sections to open position, and a latch for connecting the sections.

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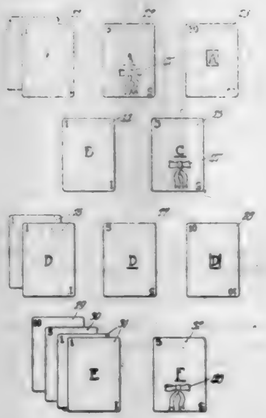
1,557,694. CARD GAME. JINGORO HINO and KIYOTAKA SHINDO, Chicago, Ill. Filed Apr. 3, 1924. Serial No. 703,975. 7 Claims. (Cl. 273—152.)

4. In a card game, a plurality of cards having means thereon for indicating the values of said cards, said cards comprising groups having similar indicating means thereon, each of said groups comprising a pair of cards having the same indicating means and a pair of cards having different indicating means, and other groups having different indicating means thereon than those of said first mentioned groups, each card having a symbol thereon, the symbols of each group being similar, the cards having the same indicating means having the same symbol thereon.

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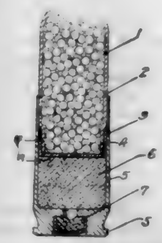
1,557,695. SHOT CARTRIDGE. CHARLES LE ROY HOLDEN, Kings Mills, Ohio, assignor to The Peters Cartridge Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 13, 1921. Serial No. 491,924. 3 Claims. (Cl. 102—15.)



3. A shot cartridge comprising a tubular shell closed at one end and open at the other; a cup disposed in and fitting the bore of the shell with the open side of the cup opening toward the open end of the shell; charge of explosive material in the shell between the bottom of the latter and the cup; a charge of shot extending into the shell; and a tubular covering on the shot, closed at its outer end with a portion of its periphery fitting the bore of the shell and another portion of said periphery restricted and fitting the bore of the cup.

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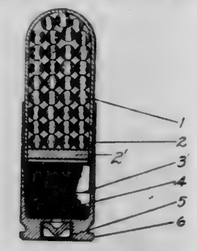
1,557,696. LOADED SHOT CARTRIDGE. CHARLES LE ROY HOLDEN, Kings Mills, Ohio, assignor to The Peters Cartridge Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 17, 1922. Serial No. 578,552. 16 Claims. (Cl. 102—15.)

9. A loaded shot cartridge comprising a shell, an explosive charge in the base of the shell, an inverted cup with its cylindrical wall extending toward the bottom

of the shell, a shot charge, an elongated cup-shaped container for said shot charge and extending into said shell to said cup leaving a portion of said container



projecting from the shell, and a wad in the open end of said container to hold the shot therein and to occupy a position adjacent the bottom of said cup.

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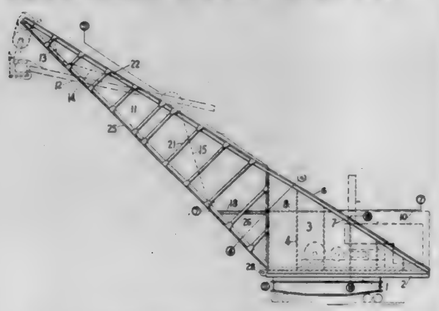
1,557,697. BOOM. GRANT HOLMES, Danville, Ill., assignor to The Marion Steam Shovel Company, Marion, Ohio, a Corporation of Ohio. Filed Apr. 28, 1924. Serial No. 709,428. 20 Claims. (Cl. 212—144.)



1. In a boom structure of the character described, a frame portion comprising side members having their upper edges inclined upwardly from the rear end thereof, a boom portion rigidly secured to said frame portion and extending upwardly and forwardly therefrom and having its lateral edges converging toward the point of the boom and arranged in line with the lateral edges of said side members.

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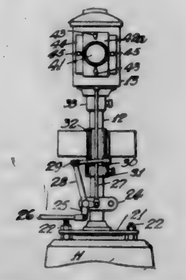
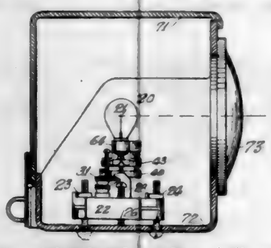
1,557,698. RAILWAY SIGNAL. SAMUEL P. HULL, New York, N. Y. Filed Feb. 9, 1923. Serial No. 618,157. 6 Claims. (Cl. 246—476.)



5. In a railway signal lamp, in combination, a lamp housing, a lens adjustably secured to said housing, a source of light and a movable colored member moving in the plane of said lens for changing the indication from said signal.

1,557,699. ADJUSTABLE LAMP BRACKET. SAMUEL P. HULL, New York, N. Y. Filed July 1, 1924. Serial No. 723,523. 8 Claims. (Cl. 240—44.)



1. A compound bracket for a lamp bulb comprising a primary bracket adjustably positioned and a secondary bracket with a socket having means for engaging said primary bracket, said lamp bulb secured in said socket, said socket being adjustably secured to said secondary bracket with reference to said engaging means and spring controlled means for latching said brackets together.

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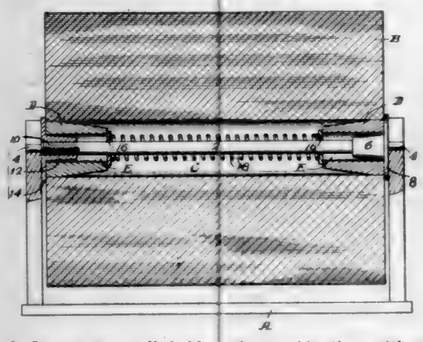
1,557,700. PAPER-ROLL HOLDER. CARL A. JADERLUND, Kansas City, Kans. Filed Oct. 29, 1923. Serial No. 671,467. 2 Claims. (Cl. 211—31.)



2. In a paper roll holder, the combination with end bushings, of a shaft extending freely through said bushings and provided adjacent to one end with an enlarged tapered portion for centering the associate bushing thereon, a tapered element removably mounted upon the shaft adjacent its opposite end for centering the other bushing thereon, peripheral flanges on the enlarged parts of the tapered portion of the shaft and the tapered element for engaging the outer ends of the bushings, two members loosely mounted upon the shaft, and a coil spring for forcing said members against the inner ends of the bushing.

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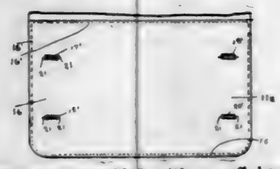
1,557,701. SHIRT. EDWARD A. JODOIN, Springfield, Mass. Filed Apr. 16, 1924. Serial No. 707,787. 4 Claims. (Cl. 2—123.)



1. A shirt sleeve provided with a cuff having layers stitched to each other and a wholly detachable extra facing layer secured directly to and against one side of the cuff externally of the first named layers by auxiliary



stitching extending through the marginal edge portion of said extra facing and the marginal edge portions of the first named layers, and adapted to be wholly detached from said cuff by the removal of said auxiliary stitching, whereby the layers of the cuff will remain permanently secured to each other and the outer face of the layer against which the extra facing is secured will be completely exposed by the removal of said extra facing.

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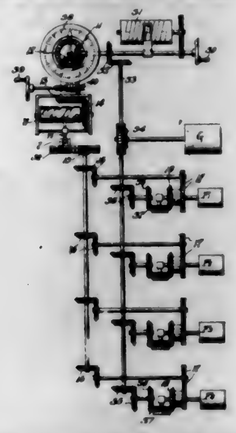
1,557,702. GUN-LAYING APPARATUS. PAUL KAMINSKI, Berlin-Pankow, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Oct. 26, 1923. Serial No. 670,884. 4 Claims. (Cl. 89—41.)



1. In an arrangement for the telecontrol of the elevation of simultaneously levelled guns the combination of an electrical transmission system having transmitters placed at a remote control station and receivers arranged near the guns and adapted to transmit a predetermined elevation angle, a mechanical device comprising a plurality of different coacting elements for correcting the elevation angle, mechanical means for operating one of said co-acting elements according to the lateral training angle of the guns, means for rotating a second element of said device in correspondence with the predetermined elevation angle and means for modifying the correcting movements of said co-acting elements with regard to the different distances between the remote control station and the individual guns.

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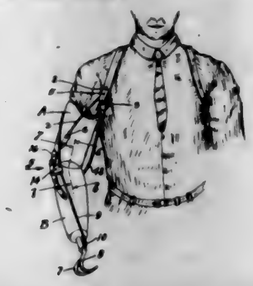
1,557,703. ARTIFICIAL ARM. FRANK A. KENNEY, Denver, Colo. Filed Nov. 19, 1923. Serial No. 675,550. 11 Claims. (Cl. 3—12.)



1. An artificial arm comprising, in combination, a section adapted to be secured to the upper arm, a forearm section hingedly connected thereto, means for securing the arm to the wearer, means for flexing the arm, separate means for limiting the amount of flexure to any extent desired, and resilient means for normally holding said limiting means in inoperative position.

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1,557,704. TRACK MECHANISM FOR AUTOMATIC TRAIN-CONTROL SYSTEMS. OTIS B. KENT, Washington, D. C., and ROBERT L. MILLER, Spokane, Wash.; said Miller assignor to Otis Automatic Train Control, Inc., Spokane, Wash., a Corporation of Washington. Filed June 30, 1921. Serial No. 479,056. 4 Claims. (Cl. 246—202.)

1. A ramp device for automatic train control apparatus including a pair of ramp rails arranged in end to end relation, a weight operated member normally exerting an upward force upon the adjacent inner ends of said ramp rails to maintain them normally projected, and electro-magnetic means to retract said member thereby to permit retraction of said ramp rails under the influence of gravity.

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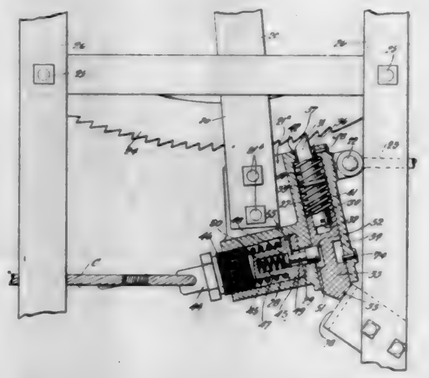
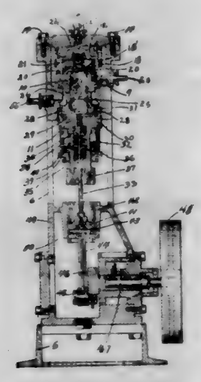
1,557,705. TRAILER BRAKE. GARNER L. KNOX, Los Angeles, Calif., assignor to Utility Trailer Manufacturing Company, a Corporation of California. Filed Oct. 22, 1924. Serial No. 745,131. 19 Claims. (Cl. 74—89.)



1. In a vehicle brake control mechanism, an operating lever operatively connected to the vehicle brakes, a control member operatively connected to the lever for moving it to brake applying position, releasable means for locking the lever in brake applying position, a trip mechanism for holding the locking means normally in operative position, said mechanism being operatively connected to and adapted to be tripped by movement of said control member, and means for moving the locking means to release position when the mechanism is tripped.

1,557,706. COMPRESSOR. GEORGE F. KNOX, Milwaukee, Wis. Original application filed Mar. 27, 1922, Serial No. 547,071. Divided and this application filed Jan. 7, 1924. Serial No. 684,900. 6 Claims. (Cl. 230—34.)



1. A compressor comprising a cylinder having an open end; a valve normally closing said open end; a cover member yieldingly engaging said cylinder end and guiding said valve; and a piston working in said cylinder.

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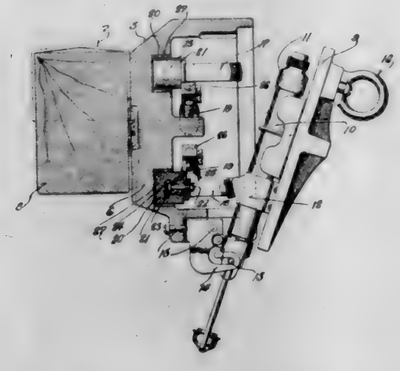
1,557,707. FUSE BOX AND METHOD OF MAKING SAME. WILLIAM D. KYLE, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed June 6, 1924. Serial No. 718,355. 14 Claims. (Cl. 25—157.)



8. The hereindescribed method of forming boxes for housing electrical appliances, which consists in forming a housing member of dry process porcelain, in forming a contact carrying member of wet process porcelain, and in setting the wet process porcelain member in the dry process porcelain member.

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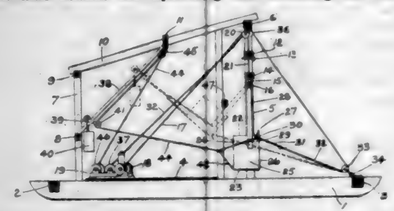
1,557,708. DREDGE. HOKAN LUDVIG LARSON, Chilliwack, British Columbia, Canada. Filed Feb. 10, 1925. Serial No. 8,268. 7 Claims. (Cl. 37—71.)

1. In a dredge having a pair of vertical standards and a head, of a crosshead slidable along the standards, a dredging bucket suspended for swinging movement below the crosshead, means for lowering and raising the crosshead and bucket for upsetting and drawing the bucket



forward to fill and after filling to restore the bucket to normal position, and means for inverting the bucket to discharge after raising.

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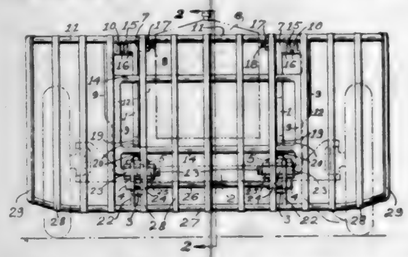
1,557,709. FENDER. ARTHUR M. LEISSE, St. Louis, Mo. Filed Aug. 29, 1924. Serial No. 734,866. 22 Claims. (Cl. 293—36.)



1. A fender comprising a pair of elements diverging from a mutual pivotal connection, and flexible fending means connecting the diverging portions of said elements, and limiting swinging movement of said elements away from each other and then causing one element to swing back towards the other element to a point beyond its normal position for flexing of the flexible means into a pocket formation.

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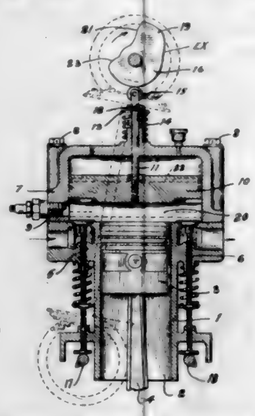
1,557,710. INTERNAL-COMBUSTION ENGINE. WILLIAM LENNON, Manitou, Colo. Filed Oct. 9, 1924. Serial No. 742,568. 2 Claims. (Cl. 123—78.)



1. An internal combustion engine of the four cycle type provided with means for intermittently varying the volume of the clearance space to values over and under normal, said means comprising an auxiliary piston, said piston being stationary during the greater part of the compression and power stroke, means for moving the piston so as to decrease the clearance space during the exhaust stroke whereby thorough scavenging is obtained and means for moving the auxiliary piston so as to increase the volume of the clearance space above normal during the intake stroke whereby a supercharge of fuel is taken in, said means being also adapted to move the piston back to normal position during the first part of the compression stroke.



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1,557,711. NAIL. FRANK P. LEONARD, Troy, N. Y., assignor of one-half to Frederick C. Claessens, Troy, N. Y. Filed Jan. 25, 1923. Serial No. 614,900. 3 Claims. (Cl. 72—118.)

1. As an article of manufacture, a nail having a shank portion, and a head portion, said head portion being relatively wide and having a plurality of flanges outturned from the plane of the top surface thereof, and arcuately bent to overlie said top surface.

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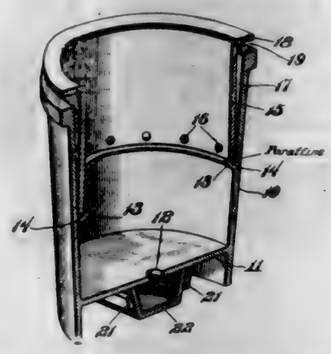
1,557,712. FLOWERPOT. WILBER R. LITTLE, Iowa Falls, Iowa. Filed July 19, 1924. Serial No. 727,015. 1 Claim. (Cl. 47—34.)



A flower pot including side walls and a bottom, the bottom being spaced from the lower ends of the side walls, the side walls having a notch formed therein, the bottom having an opening formed therein, a drip pan insertible through the notch beneath the bottom to receive drippings from the opening of the bottom, said drip pan having upwardly flaring sides, and supports extending transversely of the pot having their adjacent faces inclined at an angle equal to the angle of flare of the sides of the drip pan and spaced apart a distance equal to the width of the drip pan at the point of contact with the support.

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1,557,713. COMBINED WHEEL-HOLDER, LOCK, AND WRENCH. SAMUEL T. LOGAN, Denver, Colo. Filed Mar. 14, 1924. Serial No. 699,344. 3 Claims. (Cl. 70—90.)

1. In combination, an automobile axle, a spindle body oscillatively secured thereto, a spindle arm secured to said body, a radius rod connected to said axle, rigid means for connecting the spindle arm and radius rod,

said means comprising a member having a notch at one end for engaging with the spindle arm, and a similar notch at the other end for engaging with the radius rod.

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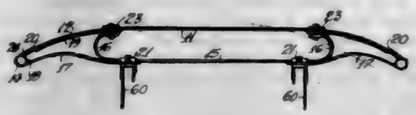
1,557,714. AUTOMOBILE BUMPER. MATTHEW H. LOUGHRIDGE, Bogota, N. J., assignor to Cox Corporation, Wilkes-Barre, Pa., a Corporation of New Jersey. Filed Jan. 30, 1925. Serial No. 5,725. 25 Claims. (Cl. 293—55.)



1. In an automobile bumper of the class described, the combination of an impact bar and a supporting bar in rear thereof with reinforcing end pieces connected to the impact bar intermediate its ends and to the supporting bar and following the contour of the impact bar up to the connecting point.

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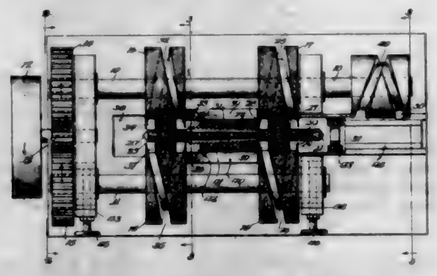
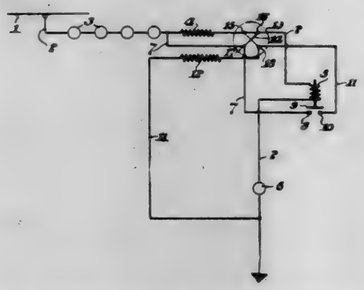
1,557,715. NUT-TAPPING MACHINE. PAUL H. MCCAIN, Chicago, Ill., assignor to Economy Screw Corporation, Chicago, Ill., a Corporation of Illinois. Filed Dec. 14, 1922. Serial No. 606,780. 27 Claims. (Cl. 10—133.)



14. A nut tapping machine embodying a pair of driving elements disposed in close proximity and rotatable about parallel axes and having the same direction of rotation and a tapping element, a portion of the tap projecting between and being engaged on opposite sides by the said driving elements, the peripheries of said driving elements being provided with serrations and the periphery of the portion of said tap that projects between said driving elements being correspondingly serrated whereby the said tap will be rotated and the serrations will co-operate to maintain the tap against longitudinal movement, portions of the peripheries of the said driving elements being shaped to form co-operating cam grooves for advancing the work upon the end of and lengthwise of the tap.

1,557,716. ELECTRIC HEADLIGHT DIMMING AND COMPENSATING MEANS. JOHN R. MCFARLIN, Philadelphia, Pa., and ELVY G. MCALLISTER, Audubon, N. J., assignors to Electric Service Supplies Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 14, 1920. Serial No. 351,462. 3 Claims. (Cl. 171—97.)



1. In a lighting system, a circuit comprising a set of lamps arranged in series; an auxiliary circuit around a lamp aforesaid and provided with resistance approximately equivalent to that through said lamp; said circuits having means for automatically opening and closing said auxiliary circuit when the circuit through said lamp is closed and opened respectively, and means for passing divided current through said lamp and resistance so as to reduce the current through said lamp relatively to that through the remainder of said lamps.

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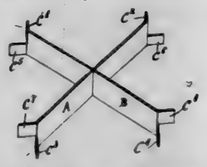
1,557,717. CONCRETE STRUCTURE. ROWLAND MCWILLIAMS, New York, N. Y. Filed Aug. 19, 1920. Serial No. 404,639. 3 Claims. (Cl. 72—122.)



2. A device of the character described, comprising two strip-like members crossed at their central portions, the ends of said members being slit longitudinally, and the portions of the same slit end being bent in different directions, one portion of a slit end being in alignment with a similar portion of one adjacent end, and the other portion of the first-named slit end being in alignment with a similar portion of the other adjacent end.

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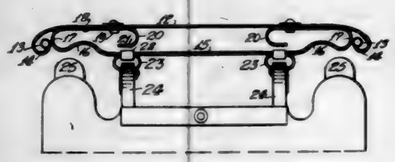
1,557,718. CLAMPING BAND. JEAN PAUL MARIE MALLEVILLE, Paris, France. Filed Sept. 16, 1924. Serial No. 738,104. 4 Claims. (Cl. 24—20.)

2. In clamping bands, in combination a metal strip having a slotted end and a free end to pass therethrough and to be interlocked therewith, a device detachably mounted on the slotted end and arranged for the attachment of the free end thereto to grip said free end, pull the same and bend it over the slotted end.

1,557,719. AUTOMOBILE BUMPER. JOSEPH J. MASCUCH, East Orange, N. J. Filed Nov. 7, 1924. Serial No. 748,351. 5 Claims. (Cl. 293—55.)



1. In a bumper of the class described, the combination of an impact member with its ends bent backwards in curves, a rear supporting bar parallel with and spaced from said impact member, said bar clamped against said impact member at points intermediate its ends and each end of said bar formed in a double C spring spaced from and in the plane of the supporting bar and means for clamping said bar to a vehicle frame.

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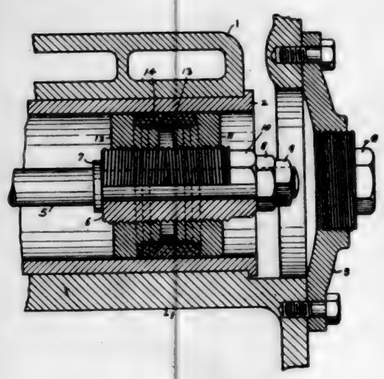
1,557,720. PLUNGER. ROBERT A. MUELLER, Houston, Tex., assignor of one-half to E. J. Drake, Harris County, Tex., and one-half to Gray Tool Company, Houston, Tex., a Corporation of Texas. Filed Oct. 16, 1922. Serial No. 594,736. 9 Claims. (Cl. 74—109.)



1. A plunger including a sleeve having oppositely threaded sections, plunger sections threaded into the respective sleeve sections, and an annular packing element clamped between said plunger sections.

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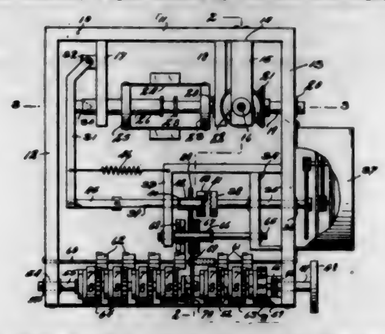
1,557,721. RUNNING-TIME INDICATOR. CARL S. PASSAMANECK and HARVEY E. MCCAULOU, Fullerton, Calif. Filed May 5, 1925. Serial No. 28,175. 3 Claims. (Cl. 161—15.)

1. In means for indicating the running time of motors or the like, a register, a clock, a shaft operated from the clock, a governor connectible with the motor to be operated therefrom and including a part shifted in one direction as the governor comes to rest, a non-rotatable reciprocable shaft coaxial with the clock operated shaft, a sleeve rotatable upon the non-rotatable shaft, coacting clutch sections upon the sleeve and clock operated shaft, an arm pivoted to swing in a plane including the part shifted by the governor and the non-rotatable shaft and having a link connection with the non-rotatable shaft, a spring engaging said arm and constantly urging the same toward the part shifted by the governor and in a direction shifting the non-rotatable shaft to engage said clutch sections, a spur carried by the arm and engaging





in a socket carried by the part shifted by the governor and an operative connection between the register and said sleeve.

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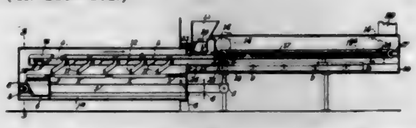
1,557,722. FEEDING DEVICE FOR FURNACES. ANTONIN PASTERNÁK, Velke-Kuncice, n/Ostr., Czechoslovakia. Filed Feb. 7, 1923. Serial No. 617,623. 3 Claims. (Cl. 110—101.)



1. In combination with a furnace grate, a furnace feeder comprising a frame mounted for longitudinal movement above the grate, means to impart reciprocating movement to said frame, blades pivotally mounted on said frame, a bar connected to said blades and adapted to rock the same into operative and into inoperative positions, a weighted lever movable with said frame and operatively connected to said bar, and means to operate said lever, to actuate said bar, and cause the same to operate said blades at the limits of the strokes of said frame.

2. A furnace feeder comprising a fixed hopper, a movable bottom therefor, a frame arranged for longitudinal movement below said hopper, a second hopper carried by said frame and arranged to open the bottom of the first hopper when the frame is at one end of its stroke, the said second hopper having a movable bottom, and means to close the bottom of the second hopper as the latter reaches a position under the first hopper.

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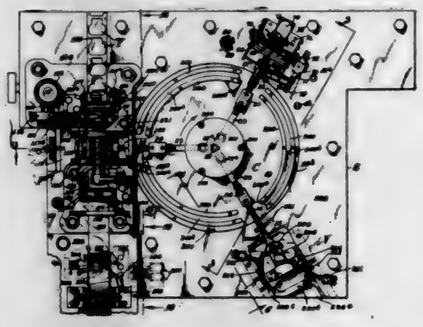
1,557,723. MEANS FOR MAKING INLAID CEMENT BLOCKS. ARTHUR E. PEARSON, Los Angeles, Calif. Filed Sept. 7, 1922. Serial No. 586,557. 1 Claim. (Cl. 25—123.)

A moulding device for inlaid cement blocks comprising a flat base for moulding the face of the blocks, a body mould composed of separable mating sections and having vertically disposed moulding faces on the inner sides thereof, and an inlay mould having vertical partitions removably held within said body mould whereby plastic inlays may be formed within the body of the blocks formed in said body mould, one of the edges of the inlay mould being flush with one of the edges of said body mould, and said inlay mould being of lesser depth than said body mould for providing a substantial backing of plastic material thereabove.

1,557,724. MACHINE AND METHOD FOR BUILDING ELECTRICAL CONDENSER STACKS. WILLIAM H. PRIESS, Belmont, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed Aug. 2, 1921. Serial No. 489,156. 92 Claims. (Cl. 250—41.)



1. A machine for building mica sheet condenser stacks comprising a pickup mechanism for mica sheets, insulating material applying mechanism, a foil punching and laying mechanism and carrying means for carrying mica sheets to be treated from the pickup mechanism to the other mechanisms comprising a movable table and arms movable with and relative to said table towards and from said several mechanisms to take up the sheets and present them for treatment and means for moving said arms relative to the table to pick up mica sheets and present them for treatment and moving said table with said arms to the several mechanisms alternately.

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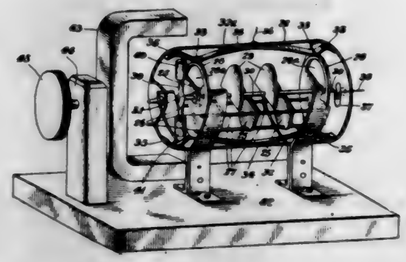
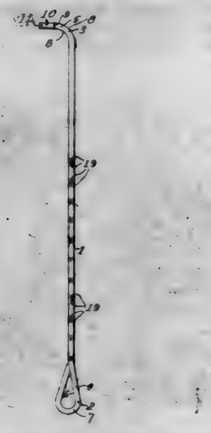
1,557,725. VARIABLE ELECTRICAL CONDENSER. JOHN A. PROCTOR, Lexington, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Original application filed Feb. 1, 1921. Serial No. 441,628. Divided and this application filed July 9, 1924. Serial No. 724,924. 16 Claims. (Cl. 250—41.)



1. A variable electrical condenser comprising electrical conductors which are movable relative to one another to permit variation of the condenser capacity; a vacuum casing surrounding said conductors and a vacuum dielectric between them, said casing mechanically supporting both said conductors in positions spaced from one another by the vacuum dielectric; and means causing variation of the condenser capacity by relative movement of said conductors in their vacuum-spaced relation to one another.

1,557,726. TOOL. OSCAR J. RANKIN, St. Louis, Mo. Filed July 30, 1923, Serial No. 654,657. Renewed June 1, 1925. 2 Claims. (Cl. 137—139.)



1. A tool of the character described comprising a rod having one of its ends flattened to rectangular form, the flattened portion being bent into a loop to form a handle, and having the other of its ends bent to form a perpendicular arm, the free end of said arm being bent a half turn about an axis parallel to the main portion of said rod, the flattening providing a slot with flat parallel sides.

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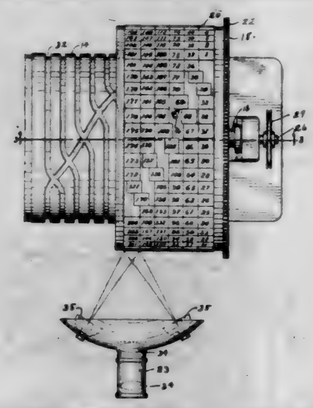
1,557,727. MOTION-PICTURE MECHANISM. ERNEST M. REYNOLDS, Cleveland, Ohio. Filed May 2, 1923. Serial No. 636,094. 8 Claims. (Cl. 88—16.)



3. In a motion picture machine, a guide for a picture strip carrier comprising a spiral cam track having its ends connected by a return track running in the same general direction around the cam and intersecting the successive convolutions of the spiral track.

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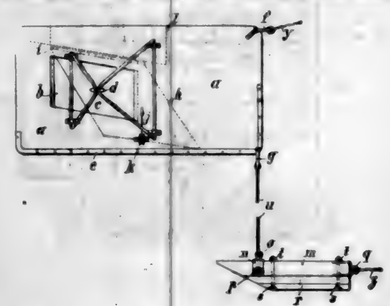
1,557,728. MEANS FOR OPENING FISHING NETS IN WIDTH AND HEIGHT. ALPHONSE VICTOR ALEXANDRE ROBERT, Morbihan, France. Filed Feb. 28, 1924. Serial No. 695,831. 2 Claims. (Cl. 43—9.)

2. A device of the character described comprising a pair of fixed symmetrically disposed panels, counterweights, cables adjustably connecting the panels and the counterweights, a net disposed between the panels, cables connecting the panels to the head rope of the net and the counterweights to the ground rope of the net, each of said panels having a quadrangular orifice, the transverse sides of the orifice being parallel to those of the panel and the longitudinal sides being at inclination to those of the panel, this arrangement of the elements constituting means for keeping the nets opened both in



width and height when the net is being trawled, an articulation on the rear side of the fixed above panels and parallel to the upper inclined side thereof, an adjustable lozenge-shaped panel hung upon said articulation, a cable connecting the lozenge-shaped panel and the front face of the fixed panel, this constituting means for balancing and regulating the depth of the net, as stated.

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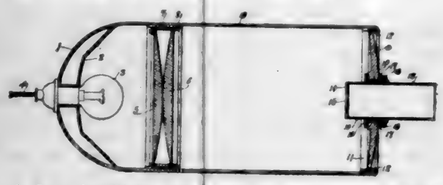
1,557,729. ILLUMINATING MECHANISM. JOHN T. SIEFERT, Dayton, Ohio. Filed June 5, 1924. Serial No. 717,986. 2 Claims. (Cl. 240—41.)



1. In a headlight, the combination with a casing, an electric light bulb near one end thereof, and a reflector, of a translucent disk located near the other end of said casing and having an opening therein, and a tube adapted to occupy such opening and provided at or near its inner end with a restricted orifice through which the rays of light pass and at or near which they cross; the said disk serving to dim the light and said tube to cut off the direct rays from the vision of an on-comer.

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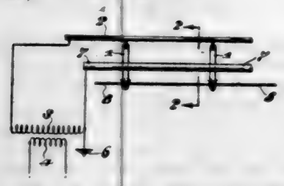
1,557,730. METHOD OF PRODUCING A FIBROUS MASS IMPREGNATED WITH A PHENOLIC CONDENSATION PRODUCT. FRANKLIN S. SMITH, Philadelphia, Pa., assignor to The Products Protection Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 15, 1921. Serial No. 445,114. 7 Claims. (Cl. 18—55.)



3. The method of producing a string of organic material impregnated with bakelite B, which comprises the dissolving of bakelite A in a suitable solvent, thereafter impregnating the said string with the solution thus formed, subjecting the same to the action of a high tension electric current for removing the solvent from the said string and thereafter converting the bakelite from the A to the B form.



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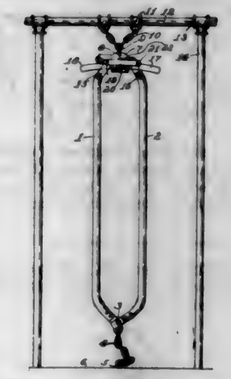
1,557,731. STANCHION. HENRY W. STEEGE, Waterloo, Iowa. Filed Dec. 29, 1924. Serial No. 758,766. 3 Claims. (Cl. 119—149.)



1. In combination, an elevated support, an open-ended housing suspended from said support, a pair of stanchions swingingly connected at their lower extremities and having at their upper ends arcuate arms in parallel relation mounted within said housing to slide past each other, and resiliently controlled operating connections movably connected to and between said housing and the upper parts of the stanchions, operable to be moved past their dead centers and swing the stanchions to and fro to closed and opened positions and to yieldingly resiliently lock them in both of said positions.

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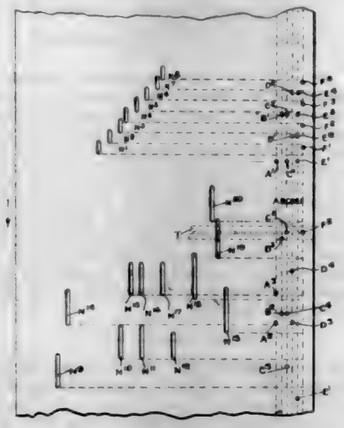
1,557,732. NOTE SHEET. CHARLES F. STODDARD, New York, N. Y., assignor to American Piano Company, New York, N. Y., a Corporation of New Jersey. Original application filed July 7, 1908, Serial No. 442,288. Patent No. 1,409,478, dated Mar. 14, 1922. Divided and this application filed Mar. 13, 1922. Serial No. 543,148. 3 Claims. (Cl. 84—161.)



1. A perforated sheet for tone-governing apparatus, comprising a plurality of perforations for tones to be played in a group substantially simultaneously, a perforation for a relatively loud tone being advanced beyond a perforation for a relatively soft tone; and an intensity-reducing perforation retreated rearwardly of the louder-tone perforation, to cooperate with the softer-tone perforation.

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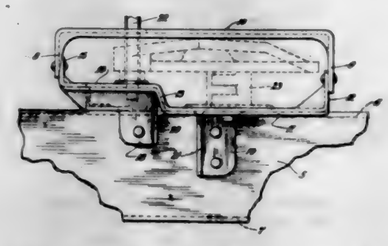
1,557,733. MOUNTING FOR BRAKE GEARS. SVEN JULIUS STRID, Chicago, Ill., assignor to Fred Mathews, Chicago, Ill. Filed Aug. 5, 1925. Serial No. 48,423. 3 Claims. (Cl. 74—121.)



1. The combination with an angular end sill of a railway car, of a brake gear mounting device comprising an inverted U-shaped top casting, a bottom casting having flanged ends secured to the top casting, said bottom casting being provided with a plurality of lugs disposed at right-angles to each other, certain of said lugs resting upon the horizontal portion of said end sill whereby to support the brake gearing above the end sill, and the other lug or lugs engaging and secured to the vertical portion of the end sill whereby to brace the structure against stress longitudinally of the car.

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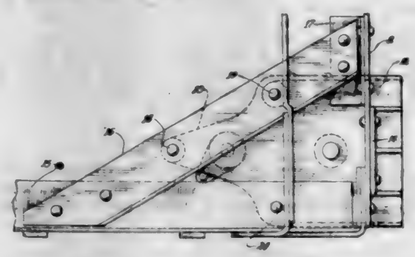
1,557,734. MOUNTING FOR BRAKE GEARS. SVEN JULIUS STRID, Chicago, Ill., assignor to Fred Mathews, Chicago, Ill. Filed Aug. 5, 1925. Serial No. 48,424. 4 Claims. (Cl. 74—121.)



1. Means for mounting a brake gear, comprising a car body provided with a depending member at the end thereof, a longitudinal side-sill, an obliquely disposed angle-bar connected at its forward end to the depending member at a distance from the corner of the car body and secured at its opposite end to said longitudinal sill, and a gear housing, the upper member of which is provided with an inward extension secured to said oblique brace and has an abutment arising in front of said depending member intermediate the adjacent end of the brace, and the corner of the car body.

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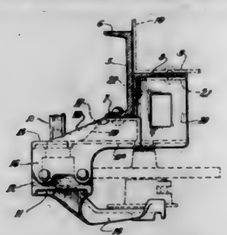
1,557,735. MOUNTING FOR BRAKE GEARS. SVEN JULIUS STRID, Chicago, Ill., assignor to Fred Mathews, Chicago, Ill. Filed Aug. 5, 1925. Serial No. 48,425. 3 Claims. (Cl. 74—121.)

1. A brake gear mounting comprising top and bottom castings, said casting each consisting of a horizontal plate having lateral end flanges that are connected to each

other, said bottom casting having a bracket extending from the same intermediate its ends, and said top casting having a box-like extension projecting above its horizon-



tal plate whereby the same is fitted pendent upon the end sill with said extension disposed back of the sill and vertically alongside the same.

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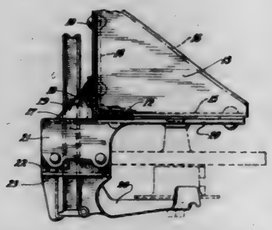
1,557,736. MOUNTING FOR BRAKE GEARS. SVEN JULIUS STRID, Chicago, Ill., assignor to Fred Mathews, Chicago, Ill. Filed Aug. 5, 1925. Serial No. 48,426. 4 Claims. (Cl. 74—121.)



1. In combination with a car end-sill of channel section, of a gusset secured to the end-sill and extending inwardly therefrom longitudinally of the car, a top casting consisting of a plate disposed underneath the lower flange of the sill, an extension projecting inwardly from said plate and connected to said gusset, an upstanding member on said plate outside said sill and engaged therewith and a bottom casting connected to said top casting and cooperating therewith to mount a gearing mechanism between the same.

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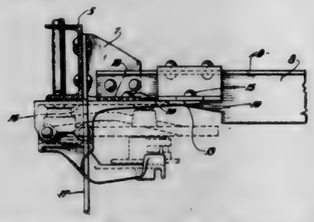
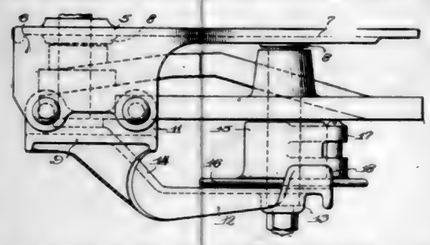
1,557,737. MOUNTING FOR BRAKE GEARS. SVEN JULIUS STRID, Chicago, Ill., assignor to Fred Mathews, Chicago, Ill. Filed Aug. 5, 1925. Serial No. 48,429. 4 Claims. (Cl. 74—121.)



1. A mounting for railway car brake gears comprising a car end-sill, a sill connected to and extending transverse thereto and longitudinally of the car, a substantially Z-shaped plate secured to said longitudinal sill and to one of the horizontal members a portion of the gear housing is secured, a plate secured to the inner face of said end-sill, and a lateral extension projecting inwardly from said plate above and secured to the gear housing.

1,557,738. HOLDER OR SUPPORT FOR BRAKE GEARS. SVEN JULIUS STRID, Chicago, Ill., assignor to Fred Mathews, Chicago, Ill. Filed Aug. 5, 1925. Serial No. 48,430. 6 Claims. (Cl. 74—121.)



1. A device of the kind described comprising a top member, and a bottom member connected therewith, said bottom member provided with a bracket arm, and horns projecting laterally from the outer portion of said bracket arm.

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1,557,739. ARTIFICIAL TOOTH. HANS STURM, Reichenberg, Czechoslovakia. Filed Feb. 11, 1925. Serial No. 8,319. 1 Claim. (Cl. 32—9.)

The combination with an artificial tooth having a recess, of a back plate, a polygonal loop adapted to receive cement and connected to the back plate, said loop fitting within the recess and interlocked with the tooth, and a vertical pin extending through the back plate and fitting within the loop at the front thereof and additionally fastening the loop to the back plate.

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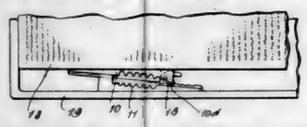
1,557,740. LOCK WEDGE DEVICE. WILLARD A. SULLIVAN, Jamaica, N. Y. Filed June 3, 1925. Serial No. 34,533. 4 Claims. (Cl. 254—42.)



1. A device of the class described comprising two wedge-shaped bodies adapted to be placed one upon the other, means for retaining said bodies against lateral displacement, cooperative means on said bodies for retaining the same against movement longitudinally of one another in one direction, said means comprising a plurality of teeth arranged longitudinally of one of said bodies, a pawl fashioned from sheet metal folded to form two similar and spaced side portions, said pawl being pivoted to the other of said bodies and cooperating with said teeth, and the side portions of said pawl having spring properties adapted to frictionally engage the body in connection with which it is mounted to retain the pawl in predetermined positions.

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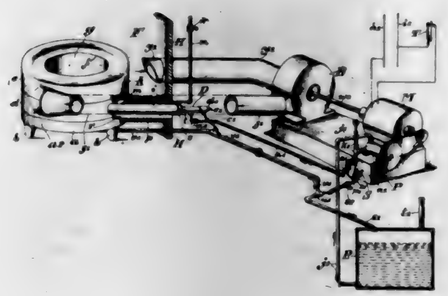
1,557,741. METHOD OF AND APPARATUS FOR BURNING FUEL. JAMES B. SWORD, Philadelphia, Pa., assignor to Sword & Kimber Company, Philadelphia, Pa., a Corporation of Delaware. Filed Mar. 1, 1924. Serial No. 696,119. 12 Claims. (Cl. 158—28.)

1. The method of burning liquid fuel, which comprises atomizing the fuel, effecting mixture thereof with a



stream of whirling hot gaseous products of combustion containing oxygen sufficient only partially to burn the fuel, and thereafter effecting substantially complete com-



bustion in a different region in contact with oxygen of air freshly added at a point beyond the region of mixture.

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1,557,742. POKE. AUGUST W. SYNOGROUND, Nortonville, N. Dak. Filed Jan. 6, 1925. Serial No. 889. 2 Claims. (Cl. 119—140.)

1. An animal poke comprising a yoke adapted to be fitted about the neck of the animal, a lever fulcrumed between its ends upon the upper end of the yoke and adapted at its front end to engage a fence wire and be rocked thereby, a spur carried by the rear end of the lever, a contractile spring attached at one end to the lever in front of the yoke and at its opposite end to the front side of the yoke to yieldingly hold the spur away from the animal, and a flexible connection between the rear portion of the lever and the rear side of the yoke to limit the movement of the lever under the influence of the spring.

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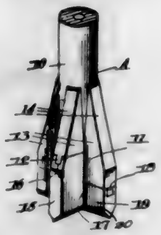
1,557,743. STEEL BIT FOR ROCK DRILLS. ALBERT TERRILL, Haileybury, Ontario, Canada. Filed June 30, 1923. Serial No. 648,760. 4 Claims. (Cl. 255—64.)

1. In a device of the character described, a steel bit for rock drills comprising a slotted stem formed with a tongue in said slot and tongues on each side of the slot, a bit for the stem formed with a groove to engage with the tongued slot in the stem, a tongued slot in said bit,



a second bit having a groove adapted to slidably engage with the tongued slot in the first bit whereby the bits are securely retained in position on the stem.

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1,557,744. SALIVA TUBE. MARION L. TOBRINER, San Francisco, Calif. Filed July 17, 1922. Serial No. 575,498. 1 Claim. (Cl. 32—33.)

A saliva tube comprising a tubular stem formed with a U-bend and an end extension, a one piece cap enclosing the terminal end of the stem and into which a portion of the stem end extension projects to a point near the bottom of the cap, with the stem end extension and cap side walls in spaced relation, the wall of the cap being of substantially self-sustaining material and provided with a plurality of perforations arranged at spaced points throughout its area.

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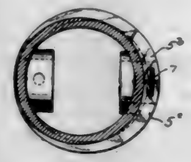
1,557,745. ANTISLAP PISTON RING. BRUCE W. TRAYLOR, Philadelphia, Pa. Filed Aug. 23, 1924. Serial No. 733,805. 12 Claims. (Cl. 74—108.)

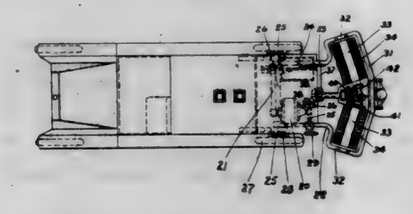


1. In combination, a piston provided with a peripheral groove decreasing in depth from one point to a point diametrically opposite, a piston ring of decreasing thickness seated in said groove, and means to cause movement of said ring in said groove and in a direction around the piston.

1,557,746. FLASH-LIGHT HOLDER. LEE J. VOORHEES, Binghamton, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Jan. 4, 1921. Serial No. 434,945. 9 Claims. (Cl. 240—52.)

2. A flashlight holder comprising, in combination, a substantially U-shaped spring clip adapted to fit a flashlight casing, a pair of independently movable legs foldable alongside said casing, means including a single rivet pivotally connecting said legs to said clip centrally between the limbs of the latter, and means for coupling said legs together.

1,557,747. VACUUM STREET CLEANER. MATHIAS WAGNER, Kokomo, Ind., assignor to Albert G. Wagemmenn, Alexandria, Ind.; Lucia Wageman, administratrix of said Albert G. Wagemmenn or Albert G. Wageman. Filed July 2, 1921. Serial No. 482,129. 1 Claim. (Cl. 15—11.)

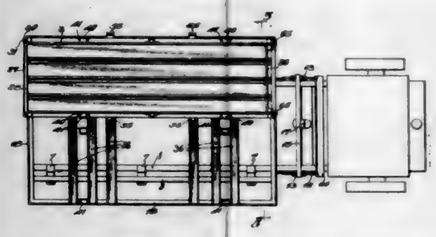


In a street cleaner, the combination of a vehicle framework, of a supporting framework pivotally supported at each end by said vehicle framework, a pair of elongated cleaning members positioned end to end angularly of each other and in spaced relation and pivotally supported at their outer ends by said supporting framework, a suction device terminating at the spacing between said cleaning members and rearwardly thereof and carried by the supporting framework, a universal joint connection between the adjacent ends of said cleaning members, a bevel gear between the members for driving said universal joint connection, a power operable bevel gear on said vehicle framework, a shaft having a bevel gear at each end constantly meshing with the aforesaid bevel gears, a source of suction on the vehicle framework and connected to the suction device through a flexible connection, and means for simultaneously moving said supporting framework, cleaning members and suction device into cleaning or noncleaning position without disconnecting the power drive to said cleaning members or the suction device from the source of suction.

1,557,748. CONCRETE PLAQUE AND METHOD OF MAKING SAME. IRENE MARTHA WASHINGTON, Brooklyn, N. Y. Filed Oct. 24, 1924. Serial No. 745,601. 8 Claims. (Cl. 18—61.)

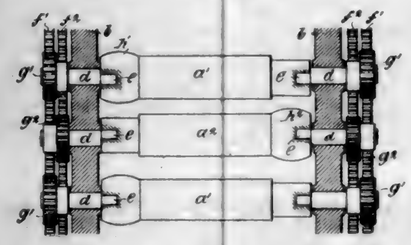
1. The method of producing in a cement plaque a reproduction of a design resembling a painting on any particular fabric which method comprises outlining the design on a sheet of such fabric, applying masses of cement colored to correspond to different portions of said design on the corresponding areas of said fabric in a layer of proper thickness, allowing the cement to set and finally stripping off said fabric from the face of the plaque so formed.

1,557,749. VEHICLE. CLARENCE J. WEBER, Chicago, Ill., assignor to National Brick Co., Chicago, Ill., a Corporation of Illinois. Filed July 24, 1922. Serial No. 577,023. 4 Claims. (Cl. 296—28.)



1. In a vehicle of the class described, the combination of a frame, a plurality of separately removable compartments mounted upon said frame, each of said compartments extending longitudinally of the frame from the front to the rear thereof, means between the frame and the bottom of the compartments for holding the compartments against longitudinal movement, and removable stake means along opposite sides of the frame and longitudinally along the intermediate portion of the frame for coopegation with the opposite longitudinal sides of the compartments for holding same in place.

1,557,750. NAP-RAISING MACHINE. EMIL WENZEL, Aue, Germany. Filed Sept. 4, 1923. Serial No. 660,790. 2 Claims. (Cl. 26—34.)



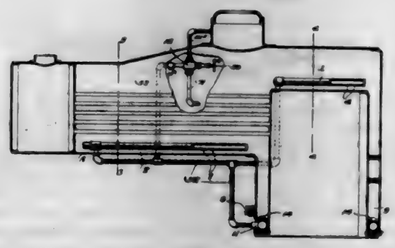
1. A nap raising machine of the card roller type, comprising the combination with a raising cylinder, nap raising rollers provided on said cylinder and means for rotating said raising rollers about their axes, of means interposed between the raising rollers and the ends of the raising cylinder for imparting eccentric movements to the individual nap raising rollers, whereby said rollers are caused to move towards and away from the cloth during their usual rotation.



1,557,751. TOY BALL. WALTER H. WINKS, Baltimore, Md., assignor of one-half to William M. Pariett, Baltimore, Md. Filed July 2, 1925. Serial No. 41,151. 6 Claims. (Cl. 213—106.)

6. A ball including a plurality of sections, means for hinging the sections together, means for causing the sections to fly apart, catch means for holding the sections together, and means projecting beyond the periphery of the ball and operable upon impact for releasing the catch means.

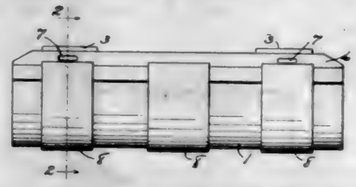
1,557,752. MUD RING FOR BOILERS. HENRY V. YOWELL, El Reno, Okla., assignor of one-half to Sarah A. Garrity, El Reno, Okla. Filed Apr. 6, 1920. Serial No. 371,645. 4 Claims. (Cl. 122—383.)



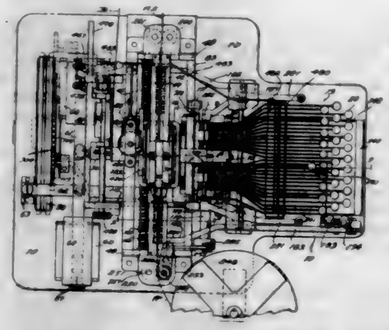
1. The combination with a locomotive boiler, of a hollow mud ring interposed between and connected to the boiler sheets at the bottom of the legs and having apertures in its upper wall in communication with the interior of the legs and also having above said apertures caps disposed to assist in the passage of water toward a blow-off valve connected to one leg at a point slightly above the mud ring, and mean for causing water to pass through the mud ring.

1,557,753. MEAT COOKER. HENRY CARL ZAUN, Oakland, Calif. Filed Oct. 10, 1924. Serial No. 742,855. 4 Claims. (Cl. 100—57.)

3. A meat cooker comprising a split spring tube, reinforcing segments at the meeting edges thereof, outstanding flanges on said segments designed for contacting engagement for limiting the springing of the tube to closed position, a removable segmental plate in the tube below the confronting edges thereof, longitudinally disposed angle plates secured to the first mentioned segments and to the tube, and split spring bands surrounding the tube and contacting the angle plates, for the purpose set forth.

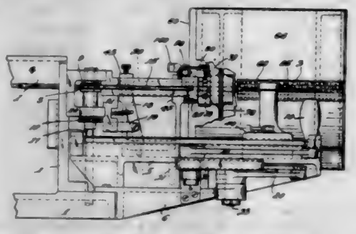


1,557,754. EMBOSSING MACHINE. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 9, 1922. Serial No. 535,311. 205 Claims. (Cl. 197—6.2.)



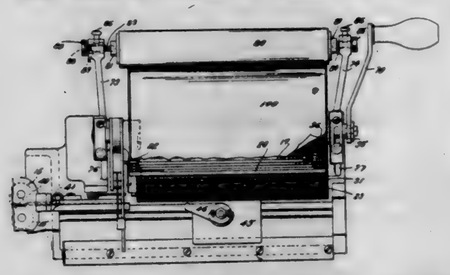
1. In a machine of the character described, the combination of a die carrier movable as a unit and carrying cooperating male and female dies arranged in straight rows facing each other, means for periodically feeding a continuous ribbon between male and female dies in the direction of the length of the rows, and a keyboard for controlling the position of the die carrier.

1,557,755. MECHANISM FOR ASSEMBLING PRINTING STRIPS. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 21, 1922. Serial No. 583,188. 24 Claims. (Cl. 101—1.)



1. The combination with means for delivering a printing strip, of a curved printing form having means for receiving and holding the strip, means for moving the strip from the delivering means onto the form, and means for turning the form about the axis of curvature thereof.

1,557,756. DEVICE FOR TAKING PRINTERS' PROOFS. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 14, 1923. Serial No. 674,653. 21 Claims. (Cl. 101—3.)



1. The combination, in one machine, of mechanism for producing printing members, mechanism for assembling them in a form, and mechanism for taking a proof of them while assembled.

1,557,757. PROCESS FOR PREVENTION OF DECAY IN FRUITS AND VEGETABLES. HARRY R. FULTON and JOHN J. BOWMAN, Washington, D. C., dedicated, by mesne assignments, to the People of the United States. Filed July 9, 1925. Serial No. 42,552. 2 Claims. (Cl. 99—17.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. A process for preparing fresh fruits and vegetables for market which comprises the application to the surface of such articles of a solution of an alkaline hydroxide, to retard the growth or development of the organisms causing stem-end rot, blue-mold rot or other forms of decay.

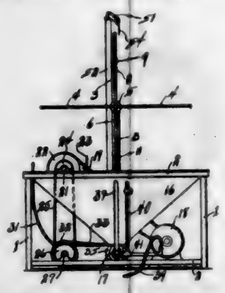
1,557,758. PROCESS FOR THE PREVENTION OF DECAY IN FRUITS AND VEGETABLES. HARRY R. FULTON and JOHN J. BOWMAN, Washington, D. C., dedicated, by mesne assignments, to the People of the United States. Original application filed July 9, 1925, Serial No. 42,552. Divided and this application filed Sept. 11, 1925. Serial No. 55,862. 3 Claims. (Cl. 99—1.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. A process for preparing fresh fruits and vegetables for market which comprises the application to the surface of such articles of a solution of a salt of lithium in which the lithium base is combined with a strong acid radical, to retard the growth or development of the organisms causing stem-end rot, blue-mold rot, and other forms of decay.

1,557,759. CROSSWISE-REENFORCED-CONCRETE RIBBED CEILING WITH HOLLOW OR LIGHT BLOCKS. MAX GALKE, Eisenach, Germany. Filed Feb. 7, 1925. Serial No. 7,678. 3 Claims. (Cl. 72—66.)

1. A crosswise reenforced concrete ribbed ceiling comprising in combination light filling bodies spaced to form continuous longitudinal and transverse intervals between the filling bodies, said intervals standing at right angles to one another, projections on the upper surface of said filling bodies, said projections having approximately the height of a commonly used compression girder and being spaced at regular intervals, reenforcing rods in the longitudinal and transverse intervals between said filling bodies, and a concrete filling of the intervals both between said filling bodies to form longitudinal and transverse stress ribs and between said projections of the filling bodies to form a continuous lattice work like compression girder of desired compressive or tensile strength situated in the surface of the ceiling.

1,557,760. GLAZING MACHINE. ALONZO H. GREENE, Fort Worth, Tex. Filed Dec. 1, 1924. Serial No. 753,206. 9 Claims. (Cl. 18—3.5.)

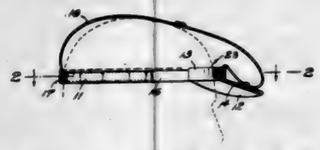


1. A glazing machine comprising an upright frame, a reel and a shaft therefor journaled in said frame, means for mounting a sash on said reel, a hopper and mechanism for mixing ingredients in said hopper including a pump in communication with said hopper and a pipe communicating with said pump and with said hopper, and gearing for driving said pump.

1,557,761. CLAMPING BUCKLE. ALLEN H. KEENGOOD, Baltimore, Md., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed July 12, 1924. Serial No. 725,544. 3 Claims. (Cl. 14—191.)

3. In a clamping buckle of the type described, a duplex clamping member having laterally extending projections, and a floating clamping member having its opposite sides slitted and the slitted portions turned over to form housings for loosely engaging the said laterally extending projections to permit a rolling motion of the floating clamping member on said projections, an angular edge member on said floating clamping member and of the full width thereof and a narrower edge member arranged between the slits and extending from the floating clamping member in a direction opposite to the full-width edge.

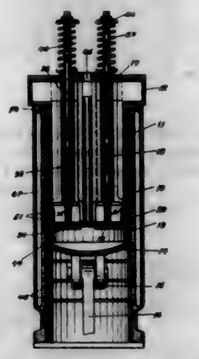
1,557,762. ANTIBALDNESS CAP. GEORGE S. MACLEOD, Seattle, Wash. Filed Oct. 10, 1923. Serial No. 667,626. 3 Claims. (Cl. 2—176.)



2. In a head covering, a crown, a stiff visor secured throughout its rear edge directly to said crown, said edge being formed centrally of its width with a reentrant angular recess between two concave portions whereby said crown is retained within said recess in spaced relation with the head of the wearer, said concave portions affording bearing surfaces to the crown with respect to the head at opposite sides of said recess.



1,557,763. INTERNAL-COMBUSTION ENGINE. ANTHONY J. METZ, Davenport, Iowa. Filed Sept. 9, 1922. Serial No. 587,160. 13 Claims. (Cl. 123—173.)



7. In an internal combustion engine of the class described, a valve-supporting member comprising a cylindrical casing containing companion spaced-apart intake and exhaust conduits of substantially tri-angular formation, occupying approximately one-half of the circumferential space in said casing, and provided at their inner ends with valve-openings off-set from the main passages of said conduits; the wall of said casing forming one wall of each of said conduits, and the other two walls of each thereof being exposed to heat-modifying elements contained within said casing.

1,557,764. MEANS FOR INHIBITING THE DETERIORATION OF YEAST CELLS. MAUD E. NEIL, Washington, D. C. Filed Oct. 4, 1921. Serial No. 505,388. 2 Claims. (Cl. 99—10.)

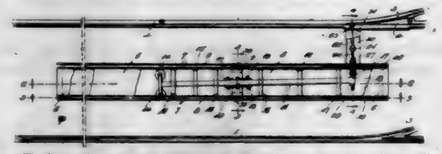
2. Means for inhibiting the deterioration of compressed yeast comprising a mixture of two parts of said yeast, two parts of a powder obtained by the evaporation of cows' milk, one-eighth part of cooked arrowroot powder and sufficient water to thoroughly mix said substances.

1,557,765. AUTOMATIC STOP. HARRY E. NICHOLAS, Los Angeles, Calif. Filed Oct. 14, 1920. Serial No. 416,861. 11 Claims. (Cl. 198—34.)

1. In combination, a movable conveyer on which articles are adapted to be conveyed, and article operated means for stopping movement of the articles on the conveyer, said means being disposed at intervals along the conveyer so that the stopping of one article will occur in spaced relation to the stopping of an adjacent article.

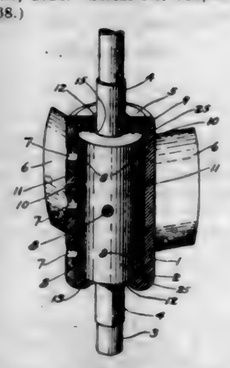
1,557,766. AUTOMATIC RAILWAY SWITCH. ALVA S. NORMENT, Richmond, Va. Filed July 22, 1925. Serial No. 45,323. 3 Claims. (Cl. 246—323.)

2. A switch operating mechanism comprising a jointed rod pivotally attached to the switch-point to permit any rocking motion of the switch-point, said rod carrying spiral springs on both sides of a connecting block which provide a cushioning action in throwing the switch-point, a bar attached to the connecting block and carried in a saddle pivotally attached to the base of the underground framework, said bar also carrying rollers on



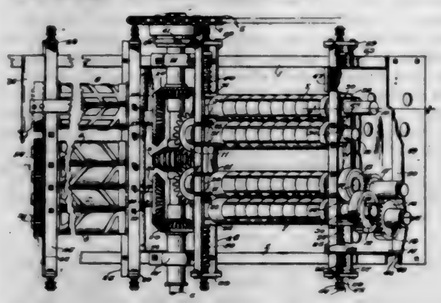
its T-shaped end which protrude through slots into the grooves, a set of two plungers, each having affixed at the lower end a shoe which is pushed into the groove when the plunger is depressed, and which contacts with the roller carried by the underground bar.

1,557,767. GUIDE BEARING FOR VERTICAL PUMP SHAFTS. IMMANUEL ALVIN OLIVER, Pomona, Calif. Filed Sept. 20, 1924. Serial No. 738,919. 13 Claims. (Cl. 308—168.)



1. In combination, in a pump, a vertical guide bearing for a vertical revoluble pump shaft, including a supporting element having a central cylindrical recessed chamber, and a resilient bearing sleeve revolubly mounted within said chamber and around the revoluble vertical pump shaft.

1,557,768. MEANS FOR OPERATING THE ROLLS OF CORN-HUSKING MACHINES. THEODORE H. OPPENHEIM and BERNARD SELHORST, Coldwater, Ohio, assignors to New Idea Spreader Co., Coldwater, Ohio, a Corporation of Ohio. Filed Dec. 22, 1924. Serial No. 757,533. 8 Claims. (Cl. 130—5.)



1. In a corn-husking machine, the combination of snapping rolls, husking rolls, a driving shaft disposed transversely of the machine between the opposed ends of the husking rolls and the snapping rolls, opposed

gears carried by said driving shaft, and gears carried by some of the husking rolls and some of the snapping rolls meshing with the opposed gears whereby all the rolls will be driven.

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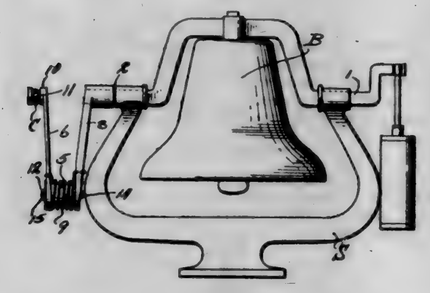
1,557,769. CORD ARM. FREDERICK F. PALMORE, El Reno, Okla. Filed Aug. 22, 1925. Serial No. 51,856. 3 Claims. (Cl. 116—150.)



3. In combination with a bell, a rock arm operatively engaged therewith, a second arm pivotally connected with the rock arm, said second arm being provided with means for attaching a bell cord therewith, means for normally maintaining the second arm in overlying relation with respect to the first named arm, both of said arms being provided with coacting means whereby the second named arm has limited swinging movement in one direction relative to the rock arm when pull is imposed upon said second arm.

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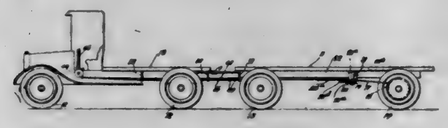
1,557,770. BRAKE-OPERATING DEVICE FOR TRAILERS. ANDREW L. PARRISH, Long Beach, Calif. Filed Mar. 31, 1923. Serial No. 629,032. 23 Claims. (Cl. 188—3.)



1. In combination with a leading vehicle and a trailer coupled thereto, brakes operatively connected to the wheels of the trailer, brake applying means carried by said trailer and connected to said brakes, brake setting means on said trailer adapted to co-act with said applying means to retain brake application, control means carried by said leading vehicles and adapted to be selectively operated, a flexible member operatively connecting to said applying means and said control means, means on said trailer adapted to release said setting means, a second flexible member connecting said releasing means and said control means whereby selective actuation of the control means is adapted to operate said applying and releasing means selectively, and yieldable take-up means for maintaining the two flexible members in taut condition.

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1,557,771. FISH LURE AND METHOD OF MAKING SAME. ERNEST H. PECKINPAUGH, Chattanooga, Tenn. Filed Aug. 28, 1922. Serial No. 584,850. 10 Claims. (Cl. 43—48.)

1. An artificial bait comprising a cork body combined with a hook, and means for uniting these two parts comprising a plate of material united to the shank of the hook so as to provide two bendable wings normally disposed in the plane of the hook, and a water resistant coating of enamel applied over the outer surface of the

buoyant body to fill the pores thereof and also filling the kerf whereby the interior of the bait is protected against the action of the water.

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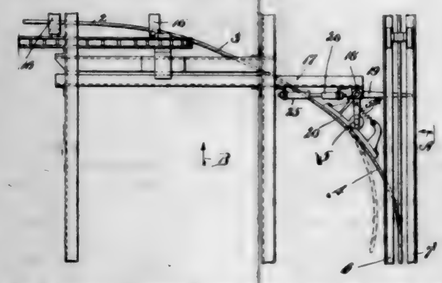
1,557,772. STOP DEVICE FOR CONVEYER SYSTEMS. FRANK B. PEEBLES, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Apr. 19, 1923. Serial No. 633,133. 6 Claims. (Cl. 104—104.)



3. A conveyer system comprising a pair of tracks converging to a junction point, a freely turning shaft extending across and above one of said tracks, a stop member secured to said shaft and normally depending into the path of carriers moving along said track, an arm secured to the shaft, and an actuator movable by a carrier approaching the junction point along the other track and having an element engageable with said arm for restraining the latter and thereby the stop member, from movement.

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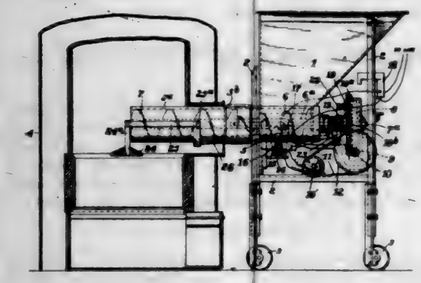
1,557,773. FUEL-FEEDING APPARATUS. ALLEN CLIFTON PILCHER, JOHN FRANCIS BABBITT, and JOHN VASHE PILCHER, Louisville, Ky., assignors to Efficiency Mfg. Co., Louisville, Ky., a Corporation of Kentucky. Filed Apr. 3, 1922. Serial No. 549,125. 13 Claims. (Cl. 214—21.)



1. Apparatus for feeding fuel to furnaces, comprising a supply hopper and delivery conduit, a support therefor, means for feeding fuel therefrom, a tamping device beneath the end of the conduit, and means for imparting vertical movement to said device.



13. Fuel feeding apparatus, comprising a hopper having a delivery conduit, primary and secondary feeding devices in said conduit, means for operating both said devices in unison for a determined length of time and for stopping the primary device and continuing the feed of the secondary device for a further determined length of time.

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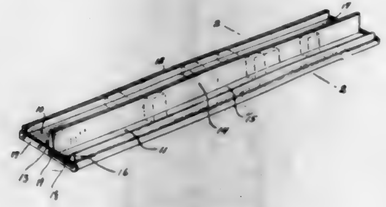
1,557,774. TILE RACK FOR PLAYING GAMES. NATHAN D. POOL and ANTHIME J. LEVEQUE, Lead, S. Dak. Filed Mar. 15, 1924. Serial No. 699,473. 4 Claims. (Cl. 273—150.)



1. A tile rack of the character described comprising two separate parallel members, one of said members being formed to provide a longitudinally extending channel for the support of a series of exposed tiles, the other member being disposed at all times behind the first named member and being formed to support a series of tiles with their faces concealed from all but one of the players, the two members being so connected that the last named member may be turned over upon the table substantially at right angles to its normal position to expose the tiles carried therein without affecting the position of the first named member.

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1,557,775. GASKET FOR INTERNAL-COMBUSTION ENGINES. WILLIAM ROBERTSON, Cambuslang, Scotland. Filed Feb. 4, 1925. Serial No. 6,849. 4 Claims. (Cl. 288—1.)

4. A gasket for internal combustion engines comprising an outer plate having a series of openings formed therein, annular tapering flanges formed integral with said plate adjacent said openings, a packing received upon said outer plate, an inner plate engaged over said packing, the marginal portions of said outer plate being extended beyond the marginal portions of said inner plate and curved upon themselves and clampingly engaged over the adjacent marginal portions of such inner plate whereby to compress the same upon the packing, the inner plate and sheet of packing having openings therein for snugly receiving the extended portions of the annular tapering flanges therethrough, and means engaged in the intermediate portions of the several plates for further clampingly engaging the same upon the sheet of packing.

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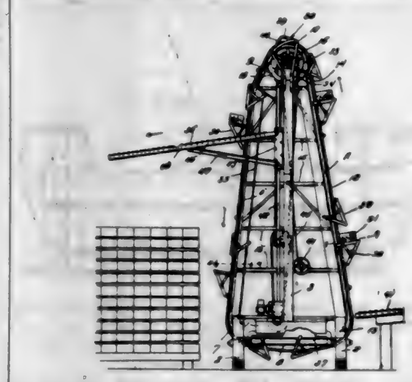
1,557,776. ELEVATING AND LOWERING CONVEYER. PERRY C. RUSSELL, Somers, Mont. Filed Nov. 15, 1924. Serial No. 750,098. 12 Claims. (Cl. 198—158.)

1. A conveyer comprising a frame, endless conveyer members movable on said frame in a substantially vertical plane having upwardly movable flights and downwardly movable flights, means movably mounted on said endless members movable into operative position on one



of said flights for conveying purposes, and movable to inoperative position on the other flight, said movable means guiding the conveyer members on the frame.

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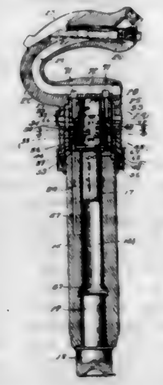
1,557,777. PNEUMATIC TOOL. JOHN R. L. SANTOS, Baltimore, Md., assignor to George Oldham and Son Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 15, 1920. Serial No. 374,013. 15 Claims. (Cl. 121—28.)



1. In a pneumatic tool having a piston with a stroke greater than its own length, a valve to control the admission and the entire exhaust of fluid pressure to and from opposite ends of the piston, said valve having a central passage into which the piston enters, said valve also being provided with differential presure areas, and means for subjecting the said differential pressure areas to live fluid pressure directed alternately from opposite directions whereby said valve will be moved in both directions by live fluid pressure.

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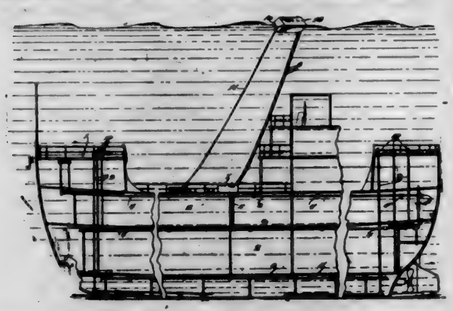
1,557,778. DEVICE FOR LOCATING AND RAISING SUNKEN SHIPS. ARTHUR J. SARGENT, Providence, R. I. Filed June 3, 1925. Serial No. 34,704. 5 Claims. (Cl. 114—50.)

1. The combination with a boat having compartments normally water-tight, of air inlet pipes mounted in said boat and having valve-controlled outlets to deliver air into said compartments, said pipes having their inlet ends

extended externally of said boat, feed pipes connected with the inlet ends of said air inlet pipes, a float connected



with said feed pipes, outlet pipes leading from said compartments to a point externally of said boat, and control valves at the outer ends of said outlet pipes.

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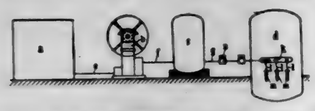
1,557,779. PROCESS AND APPARATUS FOR THE PRESERVATION OF OBJECTS OF ANIMAL ORIGIN (MEAT, FOWL, FISH, ETC.). GEORG SCHEIB, Berlin, Germany, assignor of one-fourth to Hans Guntherberg, one-fourth to Richard Ihlenfeldt, and one-fourth to Max Koch, all of Berlin, Germany. Filed Sept. 25, 1920. Serial No. 412,888. 10 Claims. (Cl. 99—1.)



9. A process for the preservation of objects of animal origin (meat, fowl, fish, etc.) in whole carcasses or portions thereof consisting in forcing a liquid or gaseous preservativo substance into the interior of the object to be preserved at any spot, under constant or varying internal pressure and constant or varying exterior pressure, the limits of both said pressures being selected in such a manner that the exterior pressure is always equal or slightly less than the internal pressure.

10. Apparatus for the preservation of objects of animal origin (meat, fowl, fish, etc.) comprising a storage receptacle, a pump, an air chamber, a closed treatment tank, a plurality of nozzles in said closed treatment tank, pipe-lines leading from said storage receptacle to said pump, from said pump to said air chamber and from said air chamber to said nozzles and to said treatment tank, safety valves, inserted in said pipe-lines leading to said nozzles and to said treatment tank, return pipes from said safety valves to said storage receptacle and a pressure regulator, inserted in said pipe-line to said treatment tank.

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1,557,780. PARTS FOR OPHTHALMIC MOUNTINGS. ELMER L. SCHUMACHER, Southbridge, and WILLIAM H. BOUTELLE, Sturbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Feb. 23, 1922. Serial No. 538,635. 3 Claims. (Cl. 88—52.)

3. A temple of the character described comprising nonmetallic members grooved on one surface, said grooved surfaces being joined together, and a metallic core embedded in the grooves and having a hinge butt extending beyond the end of the nonmetallic members.

1,557,781. WEIGHT INDICATOR. FLOYD L. SCOTT, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex. Filed July 5, 1921. Serial No. 482,311. 7 Claims. (Cl. 265—1.)

1. A weight indicator for well drilling, comprising a derrick, a derrick platform, a dial, an indicating hand pivoted to move relative to said dial, a cable secured at one end to said derrick platform, the other end being passed over a pulley at the upper end of the derrick and brought down and attached resiliently to said hand adjacent its pivotal point, and means to steady the action of said hand.

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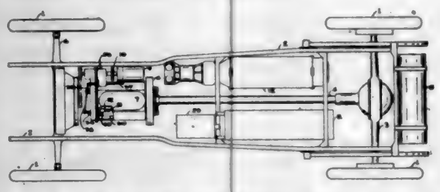
1,557,782. STEAM AUTOMOBILE. LEWIS L. SCOTT, St. Louis, Mo. Filed Sept. 23, 1921. Serial No. 502,660. 2 Claims. (Cl. 180—67.)



2. In a steam driven automobile, a steam engine, an elongated horizontal boiler for furnishing steam to said engine, located lengthwise in the frame of said automobile, said boiler having the heat producing medium located at the front end of same and arranged to discharge the products of combustion at the back end of same.

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1,557,783. VEHICLE CONSTRUCTION. ARNOLD SEIDEL, Berlin-Charlottenburg, Germany. Filed May 5, 1925. Serial No. 28,251. 3 Claims. (Cl. 280—106.5.)

1. A transverse spring arrangement for motor cars without supporting axle, comprising in combination four holders for the four axle or steering swivel journals, two groups of plate springs at each side of the car said



two groups of each set being arranged the one at a certain distance above the other each group comprising at least two plate springs placed the one on the other the freely oscillating ends of said plate springs being rolled each to form one eye, and a hinge bolt in each eye and effecting the necessary connection with the holder of the corresponding axle journal.

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1,557,784. CAR FEEDER. ROY S. SHARPNACK, Dilliner, Pa. Filed June 21, 1924. Serial No. 721,490. 2 Claims. (Cl. 104—92.)

2. Car feeding apparatus comprising a supporting bracket adapted to be mounted above a track along which cars are to be moved, a winding drum mounted on said support, a guiding sheave disposed at a point beneath said support, a guiding sheave horizontally removed from said first-named sheave and adjacent to the track along which cars are to be moved, a cable extending around said sheaves and reversely wound on said drum, a coupling member secured to said cable at a point between said sheaves, and a worm drive for said drum, serving both as an advancing and a retarding medium for cars being moved.

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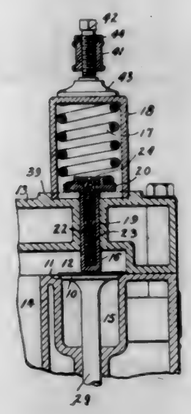
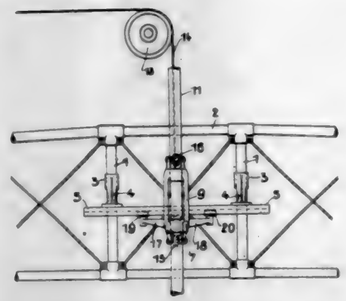
1,557,785. INTERNAL-COMBUSTION ENGINE. FRANK D. SHEPHERD, Aurora, Ill. Filed Dec. 1, 1919. Serial No. 341,655. 7 Claims. (Cl. 123—188.)



1. The combination of an internal combustion engine having a port, of a valve for closing the port, a hollow valve stem that bears against the valve and is separate therefrom, and means operating against the stem for actuating the valve.

1,557,786. CENTRAL SUSPENSION FOR THE MOVABLE FABRIC FRAMES OF EMBROIDERY MACHINES. GOTTWALT SIEBER, Plauen, Germany, assignor to Vogtländische Maschinenfabrik (vormals J. C. & H. Dietrich) Aktiengesellschaft, Plauen, Saxony, Germany. Filed June 2, 1922. Serial No. 565,486. 2 Claims. (Cl. 112—90.)



1. In an embroidery machine, the combination with the movable fabric frame, of a horizontal rail attached to said frame in front of it; a vertically movable supporting member for said rail; at least one roll carried by said member and forming the supporting means proper for the rail; a vertical guide rod for the said member, and means for moving the member up and down along said rod, and means for laterally bracing the supporting member on said rail.

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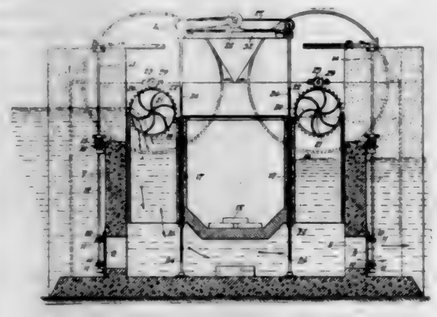
1,557,787. TIDE MOTOR. FREDERICK D. TAYLOR, Cranston, R. I. Filed Oct. 22, 1921. Serial No. 509,494. 10 Claims. (Cl. 61—20.)



1. A tide motor including a pair of spaced walls, a movable mounting arranged between said walls, motor wheels carried by said mounting, openings formed in said mounting, screw threaded shafts extending through said openings, means for rotating said shafts, and means associated with said mounting and operatively connected with said shafts whereby rotation of the shafts adjustably positions the mounting.

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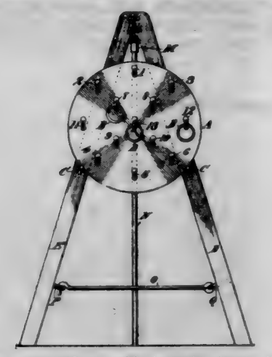
1,557,788. GAME. JOSEPH C. ATKIN, San Francisco, Calif. Filed Feb. 20, 1920. Serial No. 360,061. 2 Claims. (Cl. 273—101.)

1. As an article of manufacture, a game board comprising a vertical stationary target made of one piece of material and of a circular shape, hooks circularly disposed upon said target, one of said hooks being centrally located, eight hooks secured near its circular edge

and four intermediate hooks on its oblique radii, in combination with rings adapted to be thrown by the players to engage said hooks, an easel provided with studs for



removably supporting said target above the floor and hooks on said easel engaging rings on said target adapted to hold firmly said target in a vertical position.

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1,557,789. HELICOPTER AIRPLANE. THURMAN H. BANE, Dayton, Ohio. Filed Apr. 30, 1923. Serial No. 635,749. 4 Claims. (Cl. 244—15.)

1. In a flying machine in combination, two aerofoils at each side of the forward portion of the machine, two aerofoils at each side of the rear part of the machine, means for rotating all of said aerofoils about approximately vertical axes, means for stopping all of said aerofoils at predetermined positions, means for adjusting the angle of incidence of said aerofoils so that they all have equal positive angles of incidence for functioning as stationary lifting planes or so that some of the aerofoils may have a reverse angle of incidence for acting as lifting propellers, said last mentioned means including mechanism for simultaneously changing the angle of incidence of one front aerofoil at each side of the machine for lateral stability while the remaining front aerofoils remain fixed.

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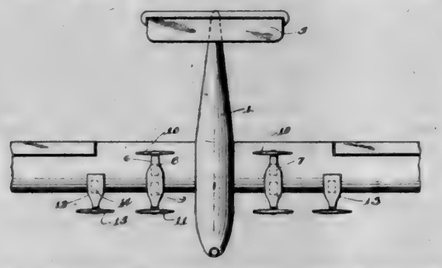
1,557,790. MOTOR ARRANGEMENT FOR AIRCRAFT. WALTER H. BARLING, Dayton, Ohio. Filed Apr. 8, 1924. Serial No. 705,013. 5 Claims. (Cl. 244—14.)



1. In an aircraft in combination, a central fuselage, a supporting plane, a pair of propelling units spaced one on each side of the central longitudinal plane of the aircraft, and a second pair of propelling units spaced one on each side of the fuselage, the distance between the units of the second pair being substantially twice the distance between the units of the first said pair, and the normal power of each said first unit being substantially twice the power of each second unit.

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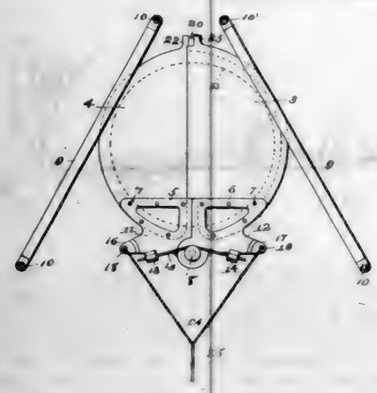
1,557,791. DUST SHUTTER FOR CAMERAS IN AIRPLANES. ELMATH A. BARRE and LAWRENCE A. KEPLER, Dayton, Ohio. Filed June 9, 1923. Serial No. 644,468. 8 Claims. (Cl. 244—1.)



2. A device for protecting the lens of a camera mounted in an airplane fuselage, comprising a pair of cooperating shutters, pivot means for mounting the shutters for movement toward and away from each other, spring means for holding the shutters closed, carried on said pivot means, and means for opening the shutters against the spring means.

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1,557,792. SOOT BLOWER FOR BOILERS. LEO JOHN BAYER, St. Louis, Mo. Filed Nov. 13, 1922. Serial No. 600,610. 3 Claims. (Cl. 122—392.)

1. In a soot blower for boilers, a steam supply pipe, a valve for controlling the steam supply in said pipe, and a blower unit, in communication with the supply pipe, said blower unit comprising a blower pipe composed of a plurality of relatively movable section and a cooling jacket surrounding the blower pipe, said cooling jacket also being composed of a plurality of relatively movable sections.

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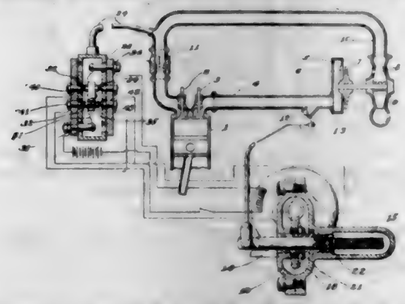
1,557,793. AUTOMATIC REGULATOR FOR TURBO SUPERCHARGERS. ADOLPH L. BERGER and DAVID GREGG, Dayton, Ohio. Filed Sept. 12, 1923. Serial No. 662,361. 1 Claim. (Cl. 103—11.)

An automatic control for a turbine driven supercharger for internal combustion engines in which the engine exhaust is used for driving the supercharger fan, comprising in combination, a waste gate in the exhaust manifold of the engine, an electromotor having reversible connections to reverse the direction of rotation thereof, speed reducing means connecting said motor to said



waste gate to cause the waste gate to be slowly moved by said motor, and an automatic switch controlling the reversible connections of said motor, said switch having



a movable element actuated by difference in pressure between the outlet of said supercharger fan and normal atmospheric pressure.

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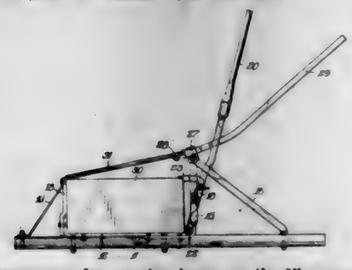
1,557,794. POWDER-BOX OPENER. JOSEPH BLACKWELL, Ironwood, Mich. Filed July 24, 1924. Serial No. 727,900. 3 Claims. (Cl. 145—21.)



1. Apparatus for opening boxes or the like comprising a box holding frame, hook members associated with the frame adapted to engage the box to retain it in the frame, and an opener blade pivotally supported from the frame and adapted to be inserted between the box and lid to move the lid away from the box.

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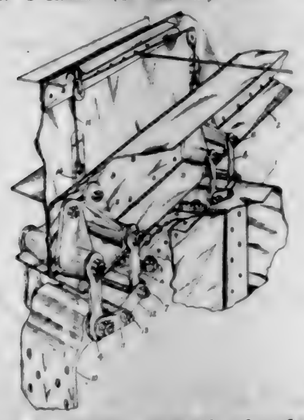
1,557,795. RELEASE DEVICE. JOHN F. BOLOGANO, Dayton, Ohio. Filed Mar. 29, 1923. Serial No. 628,528. 1 Claim. (Cl. 258—1.)



A device for releasing an article adapted to be suspended from an airplane, comprising, a plurality of rods interconnected by toggle links for supporting the article, a plurality of hook members on the article adapted to engage the rods, the weight of the article maintaining the hook members and rods in engaged relation, and a single positively actuated means for simultaneously actuating the toggle links to simultaneously cause the rods to approach each other whereby the rods are quickly released from the hook members.

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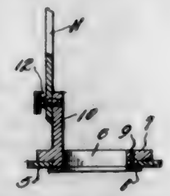
1,557,796. DENTAL FILM SUPPORT. WILLIAM A. BONAR and HOWARD F. EMERSON, Nevada, Mo. Filed Nov. 23, 1923. Serial No. 676,632. 1 Claim. (Cl. 250—34.)



A dental film support comprising a plate having a circular opening, a collar rotatably mounted in said opening and having at one end a flange which bears against one face of the plate, a flange applied to the other end of the collar and bearing against the opposite face of the plate, means for drawing said flanges in frictional contact with the surfaces of the plate, an ear mounted upon the first mentioned flange, a bar adjustably connected with the ear, and an arm adapted to retain a film and pivotally and adjustably connected with the free end of said bar.

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1,557,797. PROCESS FOR COMPACTING, BATTING, OR FELTING CELLULOSE FIBROUS MATERIALS OUT OF LIQUIDS. WILLIAM F. BOYSEN, Buffalo, N. Y. Filed Apr. 19, 1920. Serial No. 374,869. 6 Claims. (Cl. 92—54.)

1. The process of forming articles of fibrous material by extracting the liquid and compacting said material on a perforated former by means of a suddenly applied vacuum, the application of a chemical reagent drawn through said fibrous material by said vacuum, and followed by the impregnating of said fibrous material by a final application of an adhesive and cementing material by means of said vacuum.

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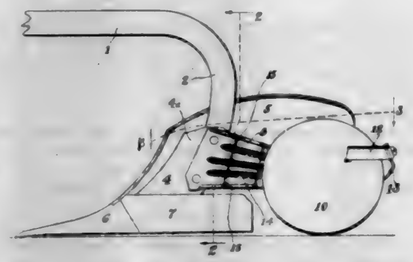
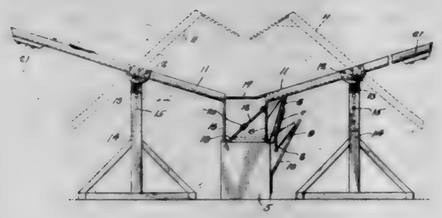
1,557,798. ROLLING LANDSIDE. THEOPHILUS BROWN, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Dec. 7, 1921. Serial No. 520,646. 9 Claims. (Cl. 97—132.)



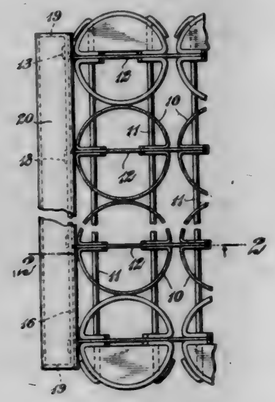
1. In a plow, the combination of a beam and standard having a positioning surface at its landward side, a plow body, a frog for attaching the plow body to the standard and having a surface adapted to fit against and be secured to said positioning surface, a rolling landside, and a bracket supporting said landside and adapted to overlie and be secured to the landward side of the frog.

1,557,799. DIP TANK. MICHAEL B. BULGER, Beaver Dam, Wis. Filed Oct. 27, 1924. Serial No. 746,219. 3 Claims. (Cl. 91—46.)



1. In a device of the character described, a tank, a closure for the tank, a sectional drip table mounted above the tank, a securing means including a fusible link for holding the drip table in its active position, a spring for normally urging the closure to its closed position, and said fusible link adapted to be destroyed by fire to release the drip table and allow the closure to move to its active position.

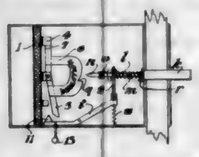
1,557,800. METALLIC FLOOR COVERING. SPENCER C. CARY, Brooklyn, N. Y., assignor to Cary Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 9, 1916, Serial No. 130,345. Renewed June 18, 1923. 7 Claims. (Cl. 15—239.)



1. A metallic floor covering embodying units in rows, links attached to said units, each marginal link having shoulders and a prong, a stay member extending continuously with respect to the marginal row of units, said stay member being attached by the prongs to the links and being spaced with respect to the units, and a channeled marginal member encasing the stay member, said channeled member having flanges which by compression of the member are positioned to occupy the spaces between the units and the stay member.

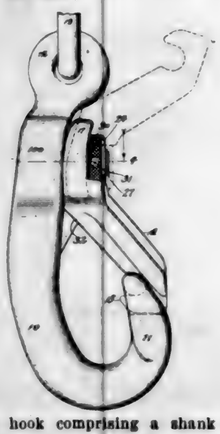
1,557,801. KEYLESS AUTO AND ALARM SWITCH. CHARLES PERCY CHAMBERLIN, Calgary, Alberta, Canada. Filed May 8, 1920, Serial No. 379,847. Renewed July 27, 1925. 2 Claims. (Cl. 200—43.)

1. In an article of the class described, a multiplicity of push buttons mounted through a face plate in the interior ends of which push buttons are pivoted short arms the said short arms projecting through a guide to engage upon contact makers mounted adjacent to the said arms, a plurality of pivoted members adapted to simultaneously break and make contact upon one way action from the



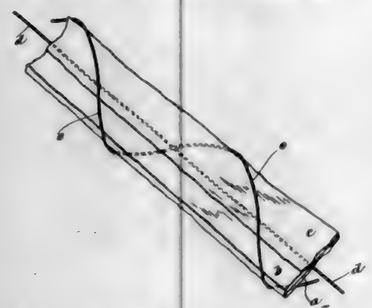
push button, and a predetermined number of knife switches adapted to make and break contact upon successive operations from the push buttons.

1,557,802. HOISTING HOOK. JOHN CLARK, Buffalo, N. Y. Filed May 28, 1925. Serial No. 33,402. 6 Claims. (Cl. 24—241.)



1. A hoisting hook comprising a shank and a beak, and a keeper movable into and out of a position across the mouth of said hook and having one end pivotally connected with said shank so as to be capable of turning in a plane at right angles thereto and adapted to be detachably connected at its opposite end with said beak and said shank being provided on its front side with a shoulder adapted to engage with the underside of said keeper.

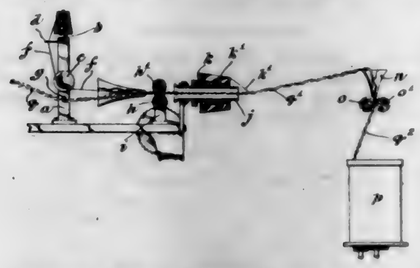
1,557,803. SLIVER FOR INSULATING WIRES. WILLIAM E. COOK, New York, N. Y. Filed Dec. 12, 1924. Serial No. 755,376. 5 Claims. (Cl. 117—52.)



1. Sliver for insulating wires embodying therein a strip of loosely matted fibers having at spaced distances longitudinally and superficially thereof, portions of a continuous strand of sufficient strength to check the accumulation of surface fibers into a bunch or ball.

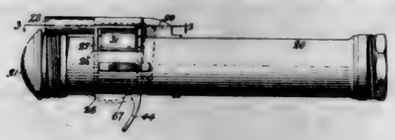


1,557,804. SLIVER-FORMING MACHINE. WILLIAM E. COOK, New York, N. Y. Filed Dec. 12, 1924. Serial No. 755,377. 10 Claims. (Cl. 117—34.)



1. A sliver forming machine adapted to co-operate with a carding machine, embodying therein a folding horn, the entrance of which is positioned toward the carding machine and adapted to receive a wide sheet of sliver, feed rollers beyond said folding horn for flattening the folded sheet, a hollow bearing, a spindle for a cop of thread rotatably mounted upon said bearing, means rotating said spindle, and means feeding the strip away from said hollow bearing and delivering it to the coiling mechanism of a container.

1,557,805. COMBINED LIGHT AND FIREARM. SYLVESTER P. COTTRELL, Buffalo, N. Y. Filed July 11, 1925. Serial No. 42,991. 9 Claims. (Cl. 42—59.)

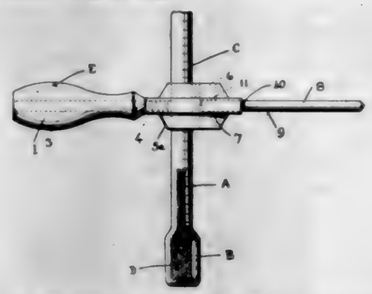


1. A combined light and fire arm, comprising a tubular casing having openings in its top and bottom, a frame extending from the upper side of said casing downwardly through said top opening and provided on its front side with a barrel which projects forwardly over the casing and on its rear side with a hood projecting rearwardly over said casing, a cartridge cylinder pivotally mounted in said frame and provided with an annular row of chambers adapted to receive cartridges and to be brought successively in line with said barrel, a hammer pivoted on the rear part of the frame and provided with a firing pin adapted to strike the cartridge in the respective chamber which is in line with said barrel and having its upper end covered by said hood, and a hammer operating mechanism mounted on the lower part of said frame and having a finger piece adapted to project downwardly through said bottom opening.

1,557,806. TOWING CABLE. NEWTON O. COUTS, Bucyrus, Ohio. Filed Aug. 16, 1924. Serial No. 732,529. 3 Claims. (Cl. 280—33.14.)

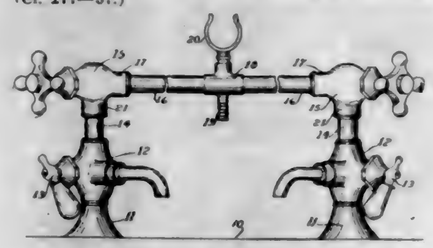
1. A towing cable comprising a plurality of stiff rod sections, loop members formed on the extremities of the said rod sections, links positioned through the said loop members and connecting the said rods, chain sections mounted on the extreme ends of the rod sections, means for covering the said chain sections and means for securing the said cable upon vehicles.

1,557,807. IMPLEMENT FOR RETURNING THE TEMPERATURE-INDICATING SUBSTANCE OF THERMOMETERS TO NORMAL. FLORENCE L. CUMMINGS, Asheville, N. C. Filed Jan. 6, 1925. Serial No. 819. 4 Claims. (Cl. 73—52.)



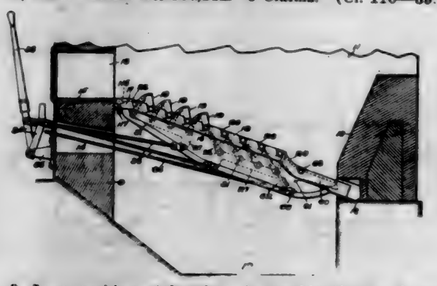
1. An implement of the type described comprising a body formed with an opening for receiving a thermometer, a plurality of members carried by the body and extending outwardly therefrom to form hand grips, one of said members carrying a jaw for releasably engaging a thermometer and being adjustably mounted on the body for the purpose defined.

1,557,808. COMPRESSION SHAMPOO FIXTURE. WILLIAM BIRD DALE, Winnetka, Ill., assignor to Street & Kent Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 21, 1924. Serial No. 687,481. 3 Claims. (Cl. 277—57.)



2. In a shampoo fixture, compression basin cocks for hot and cold water supply, bypasses therein, nipples connected to said bypasses, elbow valves thereon, a spray connection between said elbow valves, and angularly disposed valve stems for said elbow valves aligned with the valve stems of said basin cocks.

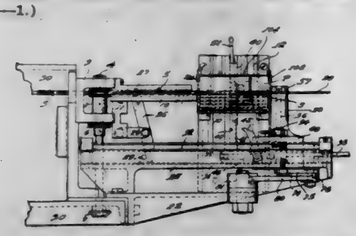
1,557,809. HAND STOKER. EDWIN S. DECKER, Malden, Mass., assignor to Gibby Foundry Company, Boston, Mass., a Corporation of Massachusetts. Filed June 9, 1922. Serial No. 567,132. 9 Claims. (Cl. 110—39.)



2. In a rocking stoker bar, in combination, a frame comprising end portions and a member connecting the end portions and forming a shield adapted to swing

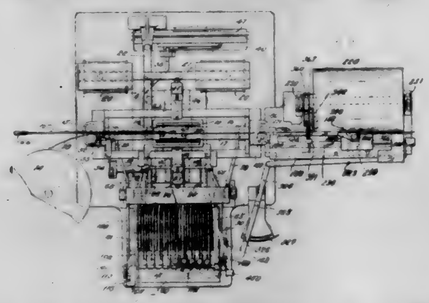
above the surface of the stoker when the bar is tipped, and a freely removable grate portion in one piece overlying the shield and receiving support from said end portions.

1,557,810. MECHANISM FOR ASSEMBLING PRINTING STRIPS. WILLIAM JOHN DEMMING, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 21, 1922. Serial No. 583,192. 40 Claims. (Cl. 101—1.)



1. A machine for delivering printing strips, a guideway leading therefrom, a flat printing form and means supporting said form adjacent the guideway, means on the form for receiving the strips, means for aligning the last named means with the guideway, and means for periodically feeding the form in its own plane to enable it to receive new lines.

1,557,811. DELIVERY MECHANISM FOR EMBOSSING MACHINES. WILLIAM J. DEMMING, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 14, 1923. Serial No. 674,649. 60 Claims. (Cl. 101—1.)

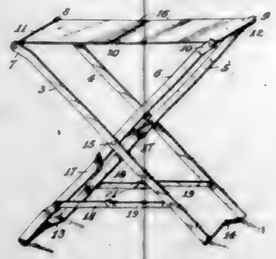


1. The combination with mechanism for embossing a printing strip, of mechanism for loading it into a page form.

1,557,812. DIRIGIBLE AIRSHIP. HENRY C. DENTURK, Huntington, N. Y. Filed Sept. 8, 1924. Serial No. 736,577. 2 Claims. (Cl. 244—6.)

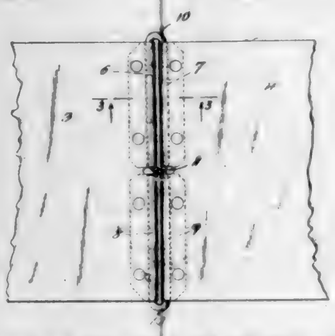
1. A dirigible airship comprising a pair of substantially rectangular frames spaced apart and having a covering impervious to air and gas to form elongated chambers, gas bags arranged in said chambers, tapering sustaining planes arranged to each side of said bags and said chambers and folding planes arranged to each side of said tapering planes.

1,557,813. FOLDING CHAIR. ARTHUR F. DERSE, Union Course, and WILLIAM B. WILSHUSEN, Mount Vernon, N. Y. Filed Sept. 17, 1920. Serial No. 410,840. 1 Claim. (Cl. 155—150.)



A folding chair comprising: two substantially rectangular open frames each frame having side portions offset at their upper ends and each frame having transverse connecting end portions at the upper and lower ends of the side portions, said frames nesting one within the other except the offset ends of the side portions and the upper transverse connecting portions, a pivotal connection between said side portions at a point intermediate their ends, and a centrally hinged seat pivotally connected to the upper end portions and foldable within the compass of the frames.

1,557,814. HINGE FOR FOLDING CHAIRS. ARTHUR F. DERSE, Union Course, and WILLIAM B. WILSHUSEN, Mount Vernon, N. Y. Filed Aug. 5, 1921, Serial No. 489,981. Renewed Feb. 28, 1925. 1 Claim. (Cl. 16—163.)

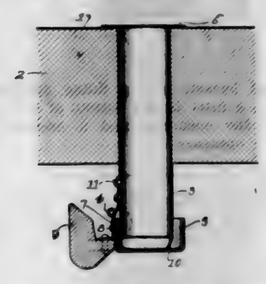


A hinge including a wire bent into two sets of parallel lengths, said sets being arranged end to end, and the lengths of each set being connected together, one length of one set being connected by a cross-over portion to that length of the other set that is not coaxial therewith.

1,557,815. TRUCK TIE PLATE. ROBERT L. DORSEY, Indianapolis, Ind., assignor to Tucker & Dorsey Mfg. Co., Indianapolis, Ind., a Corporation of Indiana. Filed June 20, 1923. Serial No. 646,536. 5 Claims. (Cl. 280—49.)

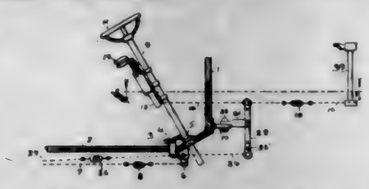
4. A truck having an end brace, a center brace transverse to the end brace and spaced therefrom to provide an intervening space, a bearing mounted on said end brace in said intervening space, a roller supported in said bearing, and a tie plate for securing said center brace to said end brace, said tie plate comprising a portion adapted to extend across said intervening space below said bearing and being attached to both said end brace and said center brace.

1,557,816. REFRIGERATOR-CAR DRAIN. PAUL S. DOUGHERTY, Chicago, Ill., assignor to Standard Galvanizing Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 10, 1924. Serial No. 749,001. 1 Claim. (Cl. 182—8.)



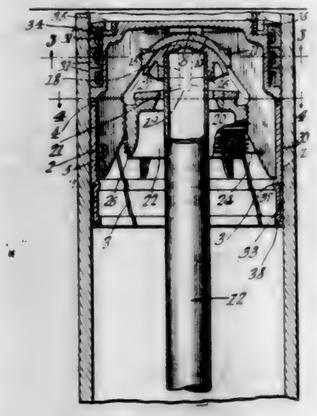
A refrigerator car trap comprising a drain pipe having its lower portion extending below the bottom of the car, a two-leaf hinge having one of its leaves secured to the projecting portion of the drain pipe above the lower end thereof, the other leaf of the hinge being movable, a bowl secured at one of its side walls to the movable leaf of the hinge, and normally arranged in a horizontal position at the lower end of the drain pipe and receiving the same, a bracket carried by the bowl and projecting outwardly from the same exteriorly thereof adjacent the movable leaf of the hinge, an approximately L-shaped weight secured at one arm to the projecting portion of the bracket and fitted against the exterior of the bowl contiguous to the bracket and normally maintaining the bowl in the said horizontal position, the other arm of the weight projecting upwardly and being of the size to clear the car and permit the bowl to swing entirely clear of the lower end of the drain pipe for cleaning the device.

1,557,817. AUTOMOBILE SIGNALING DEVICE. BARTOLOMEO ELIGGI and LUIGI LORENZI, San Francisco, Calif. Filed Oct. 2, 1922. Serial No. 591,875. 3 Claims. (Cl. 116—36.)



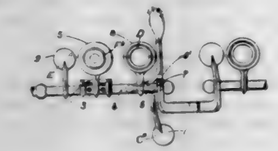
1. A vehicle direction signal comprising in combination a vertical oscillable member pivotally mounted upon the dash board of a vehicle, said member operatively connected with an illuminated pointer at the front end of the vehicle and with hinged lids at the rear end thereof, said lids when opened exposing direction signals corresponding with said pointer.

1,557,818. COMBUSTION ENGINE, PISTON, AND BEARING. EDWARD J. ELSAS, Kansas City, Mo. Filed Dec. 6, 1924. Serial No. 754,381. 4 Claims. (Cl. 74—108.)



1. The combination of a hollow piston and a connecting rod, an abbreviated form of ball and socket joint uniting said rod and piston, the ball member of said joint being held in universal rotative union with its socket, radial webs mounted in said piston and supporting said socket member, the ball member of said joint being carried by said rod, means for supporting the rod carried bearing member to permit rocking of said member when the engine is in motion also to permit rotative reciprocable action of said member in its bearing socket, and means for automatically tightening said joint members and retaining them in operative position.

1,557,819. KEYED WIND INSTRUMENT. LEON MAURICE EVETTE, Paris, France, assignor to Societe Evette and Schaeffer, Paris, France, a Company of the French Republic. Filed Oct. 24, 1921. Serial No. 510,051. 3 Claims. (Cl. 84—382.)

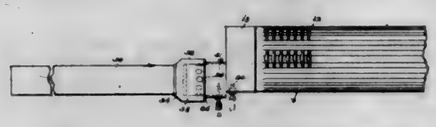


1. An improvement in keyed wind musical instruments, such as clarinets and the like, comprising a normally raised pad for C sharp G sharp opening, a normally raised ring for the forked E flat forked B flat opening, and means connecting the pad and ring to cause the said pad to close its opening when said ring is depressed.

1,557,820. BLAST TUBE FOR MACHINE GUNS. WALLACE R. FLETCHER, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,269. 3 Claims. (Cl. 89—42.)

3. The combination with a muzzle attachment for a machine gun having a series of apertures formed therein.

a blast tube having a portion thereof mounted on said muzzle attachment and being provided with an aperture for alignment with one of said apertures in said muzzle



attachment, and means passing through said aligned apertures to retain said tube and said muzzle attachment in operative position.

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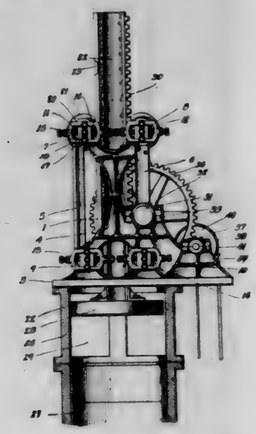
1,557,821. CLAY-PIPE-FORMING PRESS. SAMUEL I. FLOURNOY, Kansas City, Mo., assignor, by mesne assignments, to W. S. Dickey Clay Manufacturing Company, Kansas City, Mo., a Corporation of Delaware. Filed Apr. 9, 1925. Serial No. 21,940. 7 Claims. (Cl. 25—15.)



1. A clay pipe forming press comprising a pipe-forming cylinder having means whereby clay may be introduced into the cylinder, a plunger for forcing the clay through the cylinder, a rack bar on the plunger, having grooves in its respective edges, sets of rollers at opposite edges of the rack bar, the rollers of each set having flanges engaging the edge grooves, and means for actuating the rack bar.

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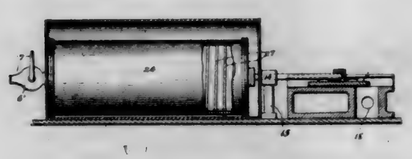
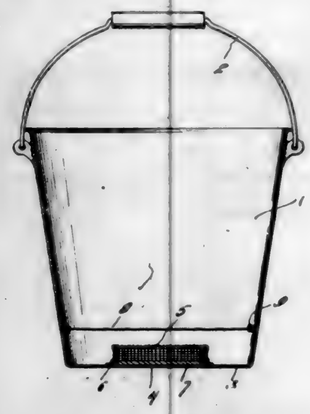
1,557,822. PRESSURE REGULATOR, SYLPHON TYPE. ALBERT C. FOULK, Dayton, Ohio. Filed Dec. 3, 1920. Serial No. 428,163. 11 Claims. (Cl. 137—153.)



1. In combination, in a pressure regulator, means containing an expansive fluid under constant predetermined pressure, and a valve means operable thereby, and a heat insulating container for said operating means.

1,557,823. WELL-BUCKET CONSTRUCTION. THEODORE R. FRATTALLONE, New York, N. Y. Filed Sept. 11, 1924. Serial No. 737,191. 4 Claims. (Cl. 294—69.)



1. In a well bucket, having filling openings in the bottom thereof, a filter in the bottom of the bucket disposed around the openings, and a pressure operated closure for the openings.

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1,557,824. GAME. EMIL F. LEWIS FRITS, Michigan City, Ind. Filed Feb. 17, 1923. Serial No. 619,731. 3 Claims. (Cl. 273—152.)

1. A game comprising a series of cards each having a letter formed thereon and a number at the head of the letter relating to the alphabetical numerical position of the letter, objects formed on one side of the card to suggest words to be formed, and numbers formed on the reverse side of the card relating to the numerical position of the letter on the other side.

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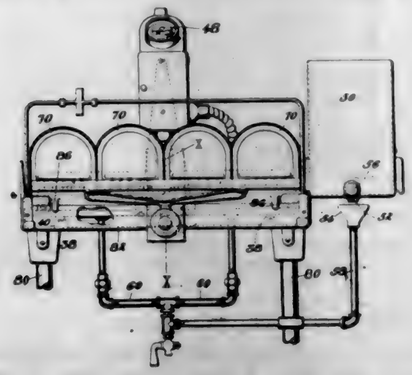
1,557,825. APPARATUS FOR TREATING SHOE MATERIALS. FREDERICK M. FURBER, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 20, 1924. Serial No. 738,883. 37 Claims. (Cl. 12—1.6.)

8. An apparatus for treating shoe materials comprising a metal tray, means forming a series of work-treating stations arranged to stand in said tray, heating means arranged to heat said tray, and means to supply equal individual streams of water at negligible velocity to said stations respectively, the delivery portions of the latter said means being in heat-conducting relation to said tray to vaporize some or all of the water before it is emitted.



31. In an apparatus comprising heat-radiating means and regulatable means to supply water at a constant but variable rate to said heat-radiating means to be vaporized thereby, an absorbent, refractory element arranged to be



heated by the first said means and to absorb vapor generated thereby, said element having a cowl portion forming a work-receiving chamber the internal surface of which is porous to exude vapor to the work.

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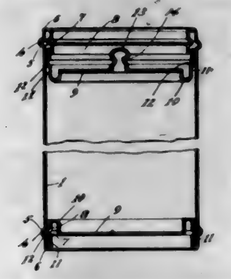
1,557,826. CONTAINER. HENRY F. GEIGER, Loveland, Ohio, assignor of one-half to Walter R. Rauck, Cincinnati, Ohio. Filed Oct. 17, 1923. Serial No. 669,177. 2 Claims. (Cl. 220—66.)



1. A metal container having inturned flanges at the ends, each end of the body and each inturned flange being provided with a groove and a bead, respectively, and heads for the container provided with flanges each having a bead and a groove adapted to interlock with those first mentioned when the heads are moved into closing position.

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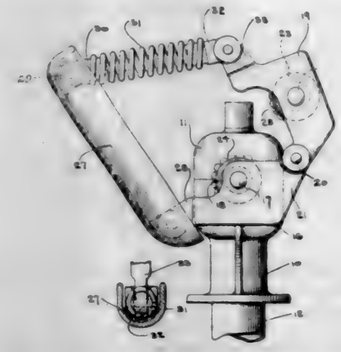
1,557,827. WRINGER. JOHN N. GOULD, Fredericktown, Ohio, assignor, by mesne assignments, to The F. B. Zieg Mfg. Company, Fredericktown, Ohio, a Corporation of Ohio. Filed May 28, 1921. Serial No. 473,272. 4 Claims. (Cl. 68—32.)

1. A wringer comprising a pair of supports pivotally engaged at one end and adapted to swing relatively to each other, a pair of rolls journalled intermediately of the ends of said supports respectively, a member pivoted to one of said supports having a rigid structure of U-shaped cross section forming a lateral recess, another member pivoted to the other of said supports and to said first mentioned member, and having a resilient structure, said members being swingable into one position wherein their pivot centers are in approximate alinement with said resilient member lying in said recess and tending to force said supports toward each other, and into another position wherein said pivot centers are considerably displaced out of alinement to cause the



pivot between the resilient member and one support to close the line between the pivot of the two supports and the pivot of the resilient member with a U-shaped member whereby to release said supports for separation.

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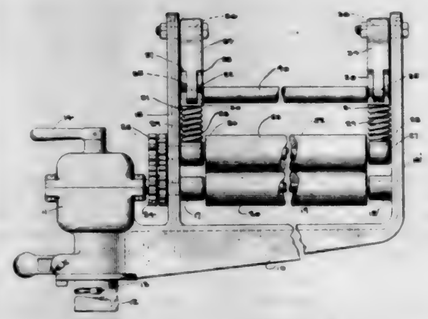
1,557,828. WRINGER. JOHN N. GOULD, Fredericktown, Ohio, assignor, by mesne assignments, to The F. B. Zieg Mfg. Company, Fredericktown, Ohio, a Corporation of Ohio. Filed June 3, 1921. Serial No. 474,736. 5 Claims. (Cl. 68—32.)



1. A wringer comprising a frame, a pair of rolls in said frame, mounting means permitting motion of one of said rolls toward and away from the other, and a pair of toggle members supported on each side of said frame in planes transverse to the axis of the rolls, one member of each toggle being longitudinally compressible, and a member parallel to said rolls connecting each pair of toggles substantially at the joint, each pair of toggle members when in alinement being operative to effect compression beween said rolls and when broken to release said rolls from compression whereupon the movable roll is free for separation from the other of said pair of rolls by movement in said mounting means.

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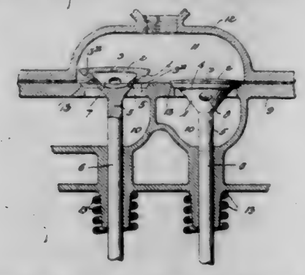
1,557,829. VALVE. ADOLPH GEBINER and CORNELIUS J. LONG, Detroit, Mich. Filed Feb. 8, 1924. Serial No. 691,859. 5 Claims. (Cl. 123—188.)

1. As a new article of manufacture, a puppet valve for controlling either the intake or the exhaust of an internal combustion engine comprising a hollow one

piece head having converging walls terminating in a stem with said walls apertured and constituting the sole connection between said head and stem, the apertures permitting the circulation of intake or exhaust gases through said head, whereby heat from the head is dissipated.



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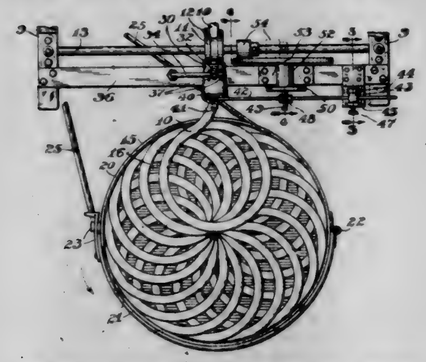
1,557,830. SLIVER-HANDLING DEVICE. JOHN W. GURLEY, Indianapolis, Ind. Filed Feb. 6, 1922. Serial No. 534,445. 12 Claims. (Cl. 19—159.)



1. In combination with a sliver-treating machine, a cam, and means for automatically guiding the sliver discharged from said machine into said can in a coil, the speed of said means being adjustable relative to the rate of discharge of the sliver to vary the size of the coil.

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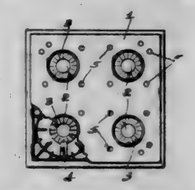
1,557,831. PROTECTIVE TOP FOR STOVES. JULIA HAMILTON, Minneapolis, Minn. Filed Nov. 22, 1924. Serial No. 751,681. 1 Claim. (Cl. 126—214.)



A protective top for stoves formed of a thin sheet of metal having large apertures therein adapted to be positioned concentric with the burners of the stove to which it is applied, and a plurality of smaller apertures positioned about each of the said larger apertures for allowing air to be drawn therethru for combustion in the burners, said top being adapted to lie flat on the top of the stove so as not to raise the cooking utensils set thereon appreciably from their normal position when used without said top.

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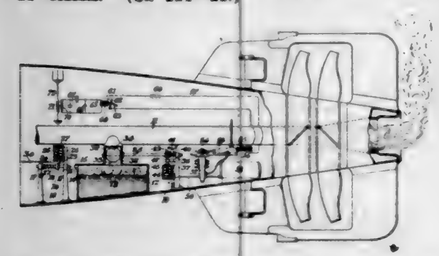
1,557,832. POSITION-REVEALING SYSTEM. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Apr. 4, 1919, Serial No. 552,182. Renewed Apr. 13, 1922. 21 Claims. (Cl. 114—21.)



1. In a position revealing system, a submerged body, a smoke producing substance carried by said body, means to cause said substance to produce smoke, and means to release said smoke from said body at will.

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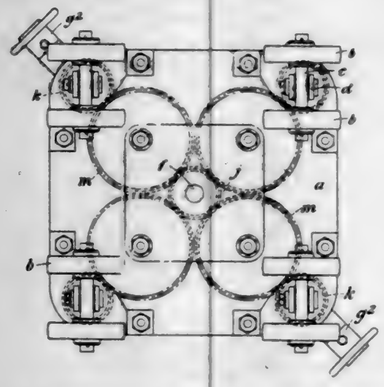
1,557,833. HAND-PROPELLED TRUCK, TROLLEY, AND THE LIKE. WILLIAM GEORGE HARRIS, Bristol, England, assignor of one-third to Albert James Owen and one-third to Harry Groome Vassall, both of Bristol, England. Filed Sept. 5, 1922. Serial No. 586,184. 3 Claims. (Cl. 280—99.)



1. A hand-propelled truck comprising, in combination, a non-rotatable frame, at least three brackets turnably mounted about pivots on said frame, a transport wheel carried by each said bracket, a gear-wheel mounted on each of said bracket-pivots, a shaft rotatably supported on, and centrally of, said frame with one end projecting beyond the frame, a sleeve rotatably positioned on said frame and about said shaft, a gear-wheel on said sleeve, idle gear-wheels corresponding in number with said brackets and each mounted on said frame adjacent a bracket and adapted to gear with the gear-wheel on said sleeve and with the gear-wheel of the adjacent bracket, a table superimposed above said frame and rotatably mounted on said central shaft, means for clutching said table to, and declutching it from, said sleeve and adapted to operate the sleeve, and a platform on said table adapted to actuate said sleeve through said clutching and declutching means.

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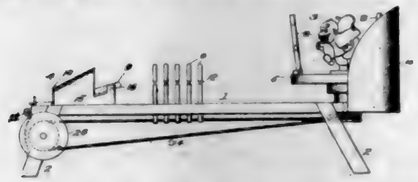
1,557,834. TOY. GEORGE HASSIG, Philadelphia, Pa. Filed Feb. 6, 1923, Serial No. 617,269. Renewed July 24, 1925. 4 Claims. (Cl. 273—101.)

1. In a device of the class described, the combination with a platform, of a rotatable table provided with figures on said platform, a belt wheel, means connecting said belt wheel to said rotatable table, a firing device on said platform including projectile ejecting means spring pressed in an ejecting direction, a second belt wheel contiguous to said firing device, said second belt





wheel provided with a hub and with fingers for engaging the projectile ejecting means and moving the same against the action of its spring and then releasing the ejecting means during rotation of the second belt wheel and a belt mounted upon said belt wheels.

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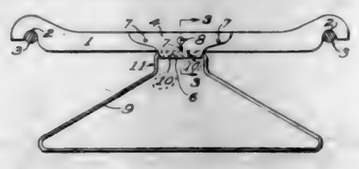
1,557,835. GARMENT HANGER. MORRIS A. HEIMANN, St. Louis, Mo. Filed Apr. 24, 1924. Serial No. 708,605. 2 Claims. (Cl. 211—13.)



1. In a garment hanger, the combination with a yoke provided with supporting means, a plate of substantially triangular shape having one side edge reversely bent to rest upon one longitudinal edge of the yoke and having the apex of the triangle rolled and binding against the remaining longitudinal edge of the yoke to hold the plate against accidental displacement from the yoke, and a loop removably secured to said rolled portion of the plate.

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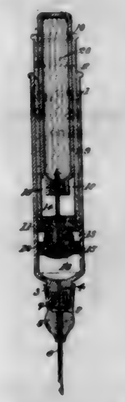
1,557,836. HYPODERMIC SYRINGE WITH AMPULE-RECEIVING PISTON. GEORGE N. HEIN, San Francisco, Calif. Filed Jan. 19, 1925. Serial No. 3,217. 3 Claims. (Cl. 128—220.)



1. A hypodermic syringe including a barrel open at one end and provided with a hypodermic needle extending from its other end, a chambered piston reciprocably mounted therein and provided with a bore communicating with the interior of the barrel, a tubular needle extending inwardly into the chamber of the piston and connecting with the bore, and a phial for reception within the piston chamber and provided with a puncturable closure for penetration by said needle.

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1,557,837. HYPODERMIC SYRINGE. GEORGE N. HEIN, San Francisco, Calif. Filed Mar. 28, 1925. Serial No. 19,034. 5 Claims. (Cl. 128—218.)

1. A syringe of the type described, comprising a piston, a barrel therefor having a stabilizing portion for the entering piston extending beyond the upper limit of its solution content, said stabilizing portion having a vent for the escape of air driven therefrom by said piston as it enters.

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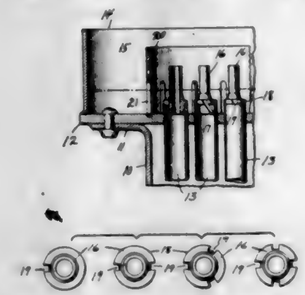
1,557,838. WATER DISTRIBUTOR FOR CONDENSERS. NICOLAI H. HILLER, Carbondale, Pa. Filed May 1, 1925. Serial No. 27,130. 6 Claims. (Cl. 257—224.)



1. A vertical tube condenser having an upper tube sheet, a plurality of tubes projecting downwardly therefrom, a wall co-acting with the tube sheet to form a container for cooling liquid above the tube sheet, said condenser being provided with a plurality of distributors within said container, each distributor having a passage for the flow of water from said container to the interior of the corresponding tube, the cross sectional area of the passages of said distributors varying in accordance with the distance from the water inlet of said container.

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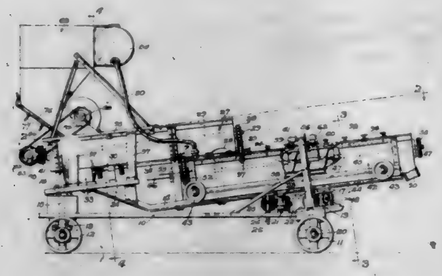
1,557,839. MIXING MACHINE. CARL W. HODGSON, Chicago, Ill. Filed Apr. 25, 1924. Serial No. 708,842. 15 Claims. (Cl. 83—73.)

1. An apparatus of the character described including a supporting structure, a supplemental support mounted thereupon for pivotal movement with respect thereto and in a substantially horizontal plane, two mixing

chambers mounted upon the supplemental support one discharging into the other, one of the said chambers being movable with and with respect to the supplemental support, the last said chamber having a delivery outlet,



a combined mixer and conveyor in each of the chambers, and means for bodily moving one of the chambers with respect to the other chamber and with respect to the supplemental support when the latter is moved about its pivot.

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1,557,840. HOLDER FOR BROOM HEADS. IRA J. HOLLENBEB and EARL F. SHELLEY, Greensburg, Ind. Filed Feb. 25, 1924. Serial No. 695,038. 1 Claim. (Cl. 15—177.)

A holder for broom heads formed of a single piece of sheet material, said holder comprising a main socket portion, a handle receiving neck extending from the central portion of said main socket portion, a pair of opposed socket forming jaws normally extending in diverging relation from the main socket portion, said jaws being provided with opposed outwardly struck beads to provide grooves to receive the binding ring on a broom head, and said jaws being provided below said head with projections adapted to overlap when the jaws are brought into socket forming relation, and cooperating means formed on said projections and adapted when the projections are brought into overlapped relation to move into locking position.

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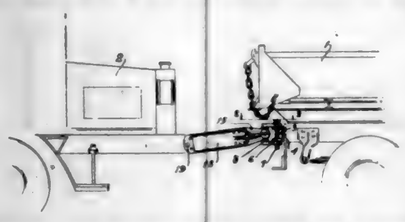
1,557,841. TRACTOR HITCH. HARLEIGH R. HOLMES, Littleton, Colo. Filed Jan. 31, 1925. Serial No. 6,012. 1 Claim. (Cl. 280—33.44.)

A tractor hitch comprising a member adapted to be attached to the rear portion of a tractor, said member having a vertical opening adapted to receive a pin, a U-shaped member having a base and two parallel spaced arms adapted to embrace the first mentioned member, said arms having their ends perforated for the reception of a pin, the base having its inner surface flat and provided with a central opening, a disk rotatably secured to the base by means of a bolt that extends through the open-



ing, said disk having two diametrical lugs extending beyond the base and a traction bar pivotally connected to the lugs, said bar having two separable attaching members secured thereto.

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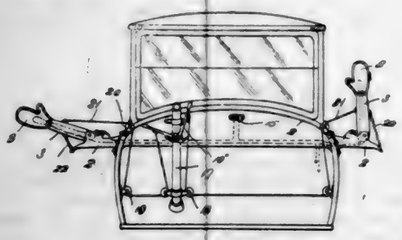
1,557,842. TURN SIGNAL FOR AUTOMOBILE MACHINES. MARVIN M. HOUSTON, Mercer, Mo. Filed Mar. 1, 1924. Serial No. 696,313. 1 Claim. (Cl. 116—54.)



In a turn signal device, a bracket member adapted to be fixed at one end to a vehicle, said bracket member being U-shaped in cross section, an arm pivoted between the sides of the bracket member intermediate its ends, a contact extending from the arm, a second contact extending from the bracket member, the first contact adapted to engage the second contact for holding the arm in an extended substantially horizontal position, a spring attached to one end of the bracket member and to the arm of normally holding the arm in an extended substantially horizontal position with the contacts engaged, and means for raising the arm.

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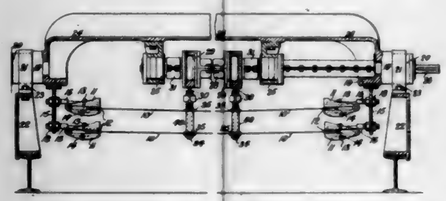
1,557,843. SCREENING APPARATUS. HENRY PATRICK HOYLE, Durham, England. Filed Dec. 18, 1923. Serial No. 681,352. 7 Claims. (Cl. 83—56.)



1. The combination of a screening surface with arms connected thereto, a shaft located above the screening surface, and eccentrics placed apart on the shaft and formed with their axes in a line which passes through the center point of the axis of the portion of the shaft between the eccentrics which eccentrics give the arms and screening surface a movement to, fro and crosswise.



1,557,844. TANNING COMPOSITION. CARL IMMERHEISER, Ludwigshafen-on-the-Rhine, and HUGO WOLFF, Mannheim, Germany, assignors, by mesne assignments, to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany, a Corporation of the Grand Duchy of Baden. Filed July 9, 1920. Serial No. 395,127. 5 Claims. (Cl. 149—5.)

1. As a new composition of matter, a new form of sulfonated crude anthracene which product on hide suspended in its dilute acid solution slowly produces a pure brown coloration.

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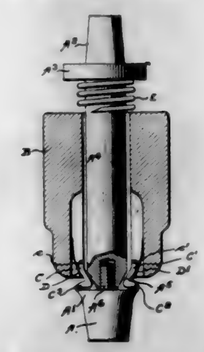
1,557,845. FASTENER-INSERTING DEVICE. THOMAS J. JOHNSTON, White Plains, N. Y. Filed Apr. 26, 1923. Serial No. 634,814. 12 Claims. (Cl. 218—14.1.)



1. A device for setting blind eyelets in a selected part of several layers of material, comprising a set provided with a setting shoulder adapted for insertion in the material for spreading the skirt of an eyelet between two of the layers and means carried by the device and movable relatively to the set for separating the two layers to permit the spread portion of the eyelet to pass between them.

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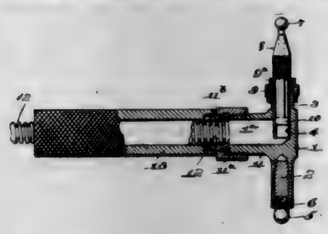
1,557,846. PRECISION GAUGE, FLEXIBLE TYPE. CHARLES G. KALLENSEB, Dayton, Ohio. Filed May 29, 1923. Serial No. 642,225. 4 Claims. (Cl. 33—178.)



1. In a precision measuring instrument, a contact member including a piston, an indicating means including a piston, and a flexible tube containing fluid for transmitting the motion of said first piston operated by said contact member to said second piston.

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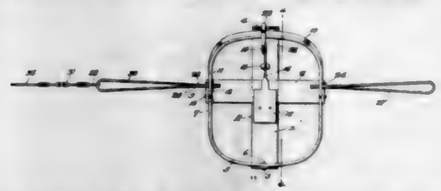
1,557,847. ANIMAL TRAP. ANDREW KERR, Tefft, Ind. Filed Sept. 11, 1924. Serial No. 737,083. 2 Claims. (Cl. 43—81.)

1. In a device of the character specified a frame consisting of a longer and a shorter longitudinal and transverse bar, a stationary jaw of approximately U-shaped form rigidly secured to the shorter bar of said frame, a correspondingly movable jaw also hinged at its ends to the ends of the shorter frame bar and coacting with said stationary jaw, a bait holder pivoted to the longitudinal frame bar and comprising a perpendicular



arm formed in its upper end and outer edge with a notch, a trigger pivoted to the longer frame bar and engageable with the notched portion of said trigger arm, and springs exerting a tension on the hinged jaw when the trap is set.

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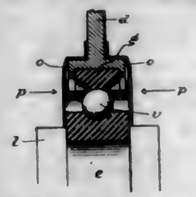
1,557,848. BEARING. JOSEF KIENBE, Stuttgart, Germany, assignor to the Firm: Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Filed June 18, 1923. Serial No. 645,942. 6 Claims. (Cl. 308—184.)



1. Bearing comprising in combination, outer and inner main races, a plurality of bodies adapted to roll between and in contact with said races and an auxiliary race applied to the outer main race and arranged to maintain said bodies in permanent contact with the inner main race.

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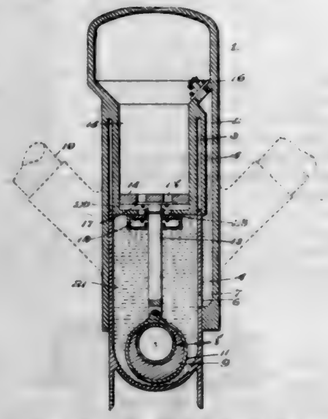
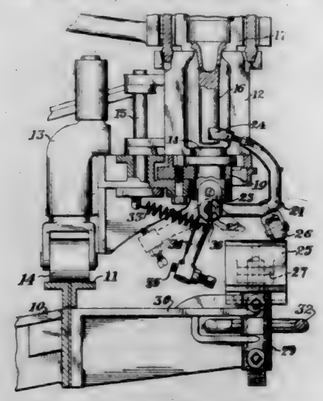
1,557,849. HYDRAULIC SHOCK ABSORBER. ISAAC MACKLIN LADDON and FREDERICK E. FLADER, Dayton, Ohio. Filed June 27, 1923. Serial No. 648,022. 8 Claims. (Cl. 188—88.)



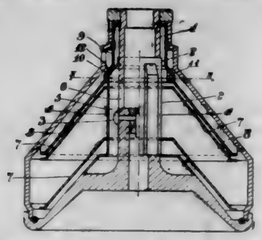
2. In a shock absorbing means for use on vehicles, a dashpot shock absorber and means operated by the motion of the vehicle for restoring said shock absorber to its operative position after the shock has been absorbed.

1,557,850. BLANK-CENTERING DEVICE FOR GLASS-FORMING MACHINES. RICHARD LA FRANCE, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed May 2, 1923. Serial No. 636,038. 12 Claims. (Cl. 49—9.)



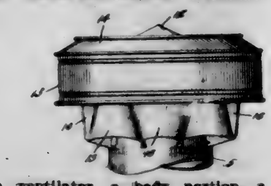
2. In a glass forming machine, the combination of means to suspend a blank of plastic glass, a centering device, means to move said device transversely of the blank into engagement with the lower end thereof while the blank is suspended, and a mold to enclose said blank.

1,557,851. SEPARATOR BOWL. ERIC VILHELM LARSON and HUGO LINDEBERG, Eskilstuna, Sweden, assignors to Eskilstuna Separator Aktiebolag, Eskilstuna, Sweden, a Swedish Company. Filed July 16, 1924. Serial No. 726,250. 3 Claims. (Cl. 233—35.)



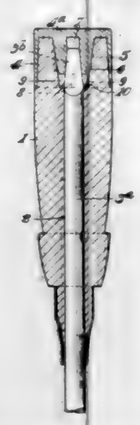
1. In a separator bowl the combination of a central feed tube, projections on said tube, liner plates surrounding said tube, an upper plate on top of said liner plates and surrounding said tube, said upper plate having a lower face substantially conforming in shape to the upper face of said liner plates, and said upper plate being provided with recesses for receiving the upper ends of said projections.

1,557,852. GALVANIZED-IRON VENTILATOR. CLARENCE HAINES LAUERMAN, Galesburg, Ill. Filed Aug. 15, 1922. Serial No. 582,064. 2 Claims. (Cl. 98—4.)



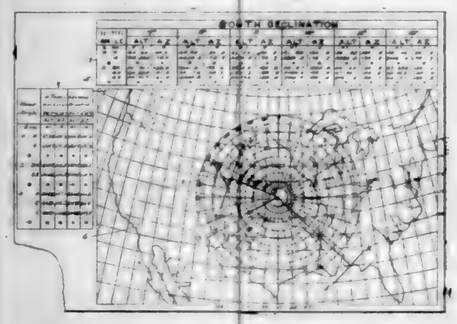
2. In a ventilator, a body portion, a plurality of louvers secured to the body portion and having contracted lower ends, a plurality of louvers secured between adjacent first mentioned louvers at points intermediate the side edges of the side walls thereof to provide outer and inner passageways, a collar surrounding the upper ends of the louvers, and a deflecting member secured to the upper end of the body portion.

1,557,853. TOOL HANDLE. ABRAHAM B. LIPSCOMB, Wheeling, W. Va., assignor of one-half to W. C. Lipscomb, St. George, W. Va. Filed Apr. 7, 1925. Serial No. 21,292. 3 Claims. (Cl. 145—61.)



3. A tool handle designed for use interchangeably with a plurality of tools having shanks of round-rod form, said handle comprising a body having an axle bore for the reception of such shanks and having a central counterbore in its outer end, a cap mounted on said outer end of said body, a member carried centrally by the boss portion of said cap and within said counterbore, said member having a tapered non-circular socket therein for the reception of the correspondingly shaped rear end of the tool shank, said member being slitted to form resilient fingers adapted to be sprung outward by said end into binding relation to the tapered portion of said shank.

1,557,854. METHOD AND MEANS FOR FINDING GEOGRAPHICAL POSITION IN NAVIGATION. GEORGE W. LITTLEHALES, Washington, D. C. Filed Sept. 30, 1921. Serial No. 504,480. 19 Claims. (Cl. 283—34.)



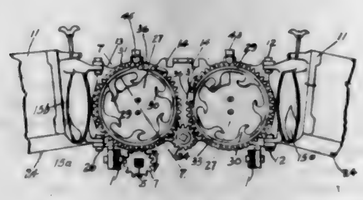

1. An astronomical position-finding chart bearing a representation of a geographical area, and means for indicating azimuth with respect to a known position on the said representation.



1,557,855. ALL-METAL AIRPLANE STRUCTURE. FLAVIUS E. LOUDY, Mobile, Ala. Filed Nov. 2, 1921. Serial No. 512,275. 10 Claims. (Cl. 244—30.)

1. In an aircraft fuselage, an outer skin composed of two side plates co-extensive in length with the length of the fuselage and seamed together along the top and bottom of the fuselage, said plates being shaped to provide a vertical offset forming an abutment for wings.

1,557,856. SEED PLANTER. OSCAR H. LUEBBING, Harrison, Ohio, assignor to The Campbell-Hausfeld Company, Harrison, Ohio, a Corporation of Ohio. Filed Apr. 13, 1922. Serial No. 552,124. 32 Claims. (Cl. 221—122.)



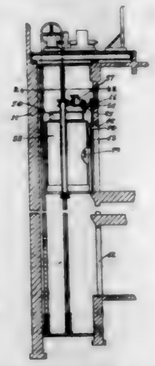
1. In a seed planting device, the combination with a hopper for supplying seed, a base for said hopper having a hole therein, and an adjustable member in said hopper and adapted to form a chute from the hopper terminating in an aperture to register with the orifice, and also adapted to form a larger hole registering with said orifice.

2. In a seed planting device, the combination with means for supplying seed, of a seed ring for feeding seeds to a delivery point, a plate over which said seed ring seats, said plate having a circular upwardly curved portion, and hooks on the ring overlying said portion, and forming two sides of a pocket of which the curved portion of the plate forms a third.

3. In combination, in a machine of the character described, a plurality of seed supplying means, seed feeding means adapted to deliver seeds intermittently, one of such means for each supply, means for driving said feeding means, adapted to operate said means to deliver seeds alternately, and means for stopping either feeding means and starting it up again without interfering with the alternate delivery.

1,557,857. SAFETY LOCKING APPARATUS FOR ELEVATORS. HAROLD V. MCCORMICK, Cincinnati, Ohio, assignor to The Warner Elevator Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 3, 1925. Serial No. 431. 10 Claims. (Cl. 187—31.)

5. In an operating mechanism for retiring cams the combination with a reciprocating cam, spring means for normally projecting said cam, a tank for containing oil, an electric stall motor mounted within the tank, an extended rotor shaft for the stall motor and projecting above the tank, paddles mounted on the rotor shaft for rotating in oil contained in the tank, a pinion on the end of the rotor shaft, an arm mounted for oscillation above the tank, a gear segment carried by one end of the



arm and meshing with the pinion on the rotor shaft, and means connecting the arm and cam for retiring the cam against the resistance of the spring means when the stall motor is energized.

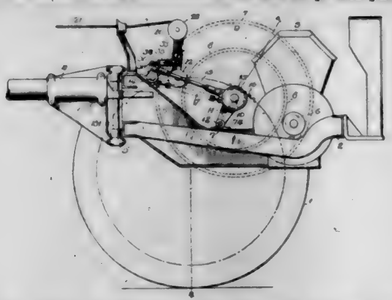
1,557,858. HINGE CLAMP FOR ATTACHING INTERCHANGEABLE FEED CHUTES TO AMMUNITION BOXES. DWIGHT C. MAIER, Bryan, Ohio. Filed Jan. 20, 1922. Serial No. 530,722. 3 Claims. (Cl. 16—171.)

3. In combination with a pair of adjacent members having abutting ends, means for clamping said members together, said means comprising a clamping member formed of convolutions, the alternates of which are journaled in the end of one of said adjacent members, the remaining convolutions being adapted to releasably engage the abutting end of the other adjacent member, said adjacent members being adapted to be disengaged from each other by a rotation of said clamping member.

1,557,859. AUTOMOTIVE VEHICLE. WARREN M. MANSFIELD, Moline, Ill., assignor, by mesne assignments, to Moline Implement Company, a Corporation of Illinois. Filed June 14, 1920. Serial No. 388,988. 21 Claims. (Cl. 180—77.)

1. A tractor having a power plant, drive wheels, driving pinions for said wheels mounted so as to swing bodily about an axis parallel to the wheel axis, and driving connections between the power plant and the

driving pinions, said connections including a driving friction member and a driven friction member, both of said members being positioned to rotate in planes parallel



to the plane of the drive wheels, said driven friction member being mounted so as to swing bodily about the same axis as the driving pinions.

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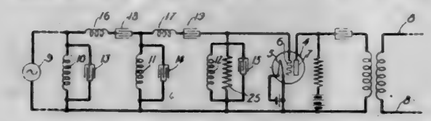
1,557,860. ELECTRIC CIRCUITS. ROBERT C. MATHES, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 15, 1920, Serial No. 351,605. Renewed Feb. 20, 1924. 16 Claims. (Cl. 179—171.)



1. In combination, a wave filter and an electrical discharge device associated therewith, said device having an effective internal impedance comprising a resistance component and a reactance component, said wave filter having a plurality of impedances of such values with respect to each other and to said reactance component as to cause said filter and said device to transmit certain desired frequencies while suppressing others, and one of said filter impedances having such a value as to effectively suppress said reactance component.

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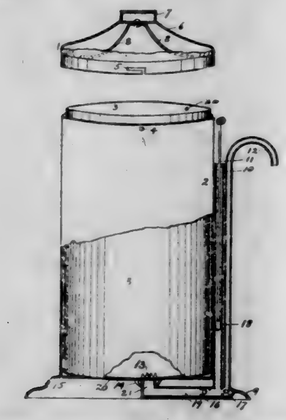
1,557,861. MILK-CAN HOLDER AND MILK DISPENSER. ROBERT O. MORRIDA, Fresno, Calif. Filed Feb. 8, 1923. Serial No. 617,753. 1 Claim. (Cl. 221—80.)



The combination with a milk-can of a container adapted to hold said can, a piston pump adapted to discharge fluid through a spout, attached to the container and having the intake opening of the pump positioned within the container and adjacent to the bottom thereof, and means for connecting the pump to the milk can consisting of a plurality of sharp projections surrounding the intake opening adapted to pierce the bottom of the can, and a suction cup fitted around the intake opening under the projections and adapted to engage the bottom of the can into which the projections have been forced.

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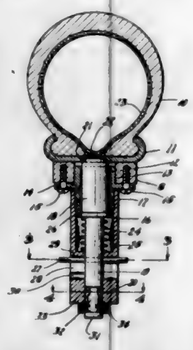
1,557,862. WHEEL WITH DEMOUNTABLE RIM. WILLIAM F. MORGAN, Chicago, Ill. Filed Mar. 26, 1923. Serial No. 627,583. 3 Claims. (Cl. 301—28.)



1. A device of the class described, comprising a sleeve mounted on the felloe of a wheel, a cap removably mounted on the end of said sleeve, a plunger slidably mounted in said sleeve and cap and engaging in a tire carrying rim mounted on said felloe, a slot with transverse notches provided in said cap, and a pin on said plunger movable in said slot and engageable in one of said notches to lock said plunger in its operative position or in the other of said notches to lock said plunger in released position.

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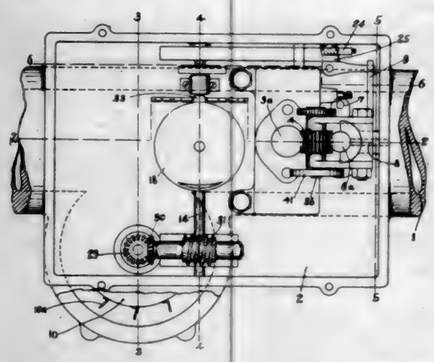
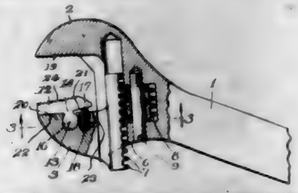
1,557,863. AUTOMATIC CUT-OFF VALVE. BLAGGOYA MAVOSH, Erie, Colo. Filed Apr. 21, 1923. Serial No. 633,816. 3 Claims. (Cl. 137—139.)



1. An automatic cut-off valve comprising in combination a conduit, an impact device associated with the conduit and adapted to be operated by the passage of a fluid therethrough, a valve in the conduit, and means operated by the impact device for operating the valve, said last mentioned means including a lost motion device through which the normal operation of the impact device will not affect the valve but an abnormal speeding up of the impact device will operate the valve.



1,557,864. WRENCH. RAYMOND A. MULL, Benton Harbor, Mich. Filed June 16, 1924. Serial No. 720,204. 1 Claim. (Cl. 81—180.)



In a wrench, the combination of relatively movable jaws, a one-piece engaging member on one jaw, formed with a transverse integral portion which is oscillatory in the jaw, said member being removable only by axial displacement thereof, a compression spring engaging the inner end portion of said member to keep its outer end normally pressed against the jaw, said integral portion having a notch, and a retainer inserted in the jaw and extending into said notch, said jaw having said member being removable from said wrench, said retainer being a concealed loose pin inserted from the inner side of the removable jaw at one side of said spring, so that the pin cannot be removed while the wrench is assembled.

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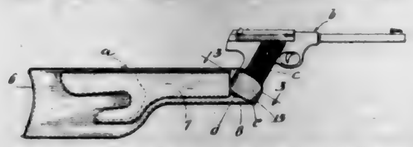
1,557,865. COMBINED STOCK EXTENSION AND HOLSTER FOR FIREARMS. THOMAS W. NEBL and ALBERT G. SHAFFEL, Ventura, Calif. Filed Dec. 29, 1924. Serial No. 758,579. 3 Claims. (Cl. 42—72.)



3. A combined stock-extension and holster for a firearm comprising, a stock-extension portion, a member forming in conjunction with said portion a pocket to receive the barrel portion of a firearm, and a split spring clip secured to the stock-extension portion and having an integral cross member to engage the heel of the stock of the firearm, the opposite sides of the clip adjacent to the split being notched to receive the forwardly and downwardly projecting toe of the stock to prevent in conjunction with the cross member tilting of the firearm upwardly and rearwardly.

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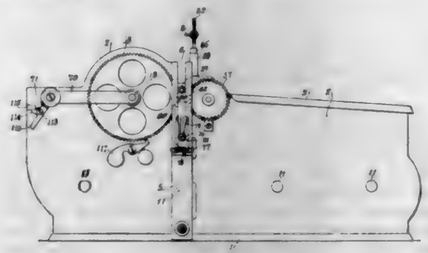
1,557,866. AUTOGRAPHIC REGISTER. GEORGE J. NETH, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a Corporation of Ohio. Filed June 13, 1924. Serial No. 719,706. 28 Claims. (Cl. 282—15.)



1. In an autographic register having a plurality of sheets, a writing table, means to maintain said sheets on the table, means to be inserted in perforations in said paper at spaced intervals, means to wrap said paper at its free end, said aligning means preventing it from becoming detached from the wrapper, elevating means to elevate the free end of the paper so wrapped, means to hold the wrapper in wrapped position, means to unlock the wrapper at a predetermined elevation so that the paper will be discharged from the wrapper and aligning means and means to permit the elevator, wrapper and aligning means to descend and reengage perforations in said paper.

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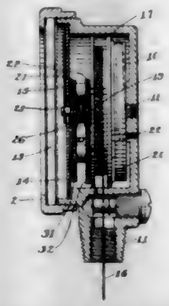
1,557,867. GASOLINE-LEVEL GAUGE. FLOYD B. NEWELL, Dayton, Ohio. Filed Oct. 24, 1923. Serial No. 670,501. 9 Claims. (Cl. 116—129.)



3. The combination in a gauge, of an index member, a gear for operating the same, a disc rotatable in the operation of said gauge and planetary gears of different sizes mounted on said disc to operate in circular orbits in the rotation of said disc and movable selectively into meshing engagement separately with said index gear.

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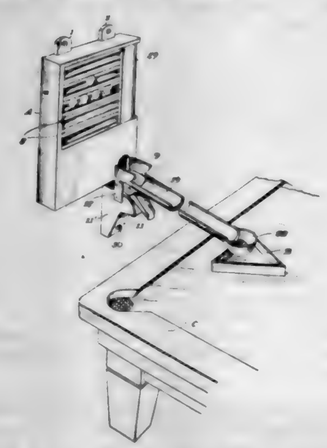
1,557,868. POOL-BALL RACKER. NOAH O. OARD, Columbus Grove, Ohio. Filed Mar. 29, 1923. Serial No. 628,428. 1 Claim. (Cl. 273—16.)



In a device of the character specified, the combination with a rack having a lower compartment provided with upper and lower downwardly and oppositely inclined ball races and a delivery opening, of a supporting leg depending from the bottom of the lower compartment and provided with a forwardly projecting shoulder having a convex face, a delivery trough or chute hinged to the upper edge of the supporting leg in position to swing in a vertical plane and adapted to receive the pool balls discharged through the delivery opening of the rack

when in lowered position, a mouth piece at the free end of the trough or chute, a hinge having one leaf rigidly secured to the lower end of the delivery trough or chute and its other leaf free to ride over the convex face of the forwardly projecting shoulder of the supporting leg and a coil spring disposed around the cross pin of the hinge and tending to hold the trough or chute in raised position.

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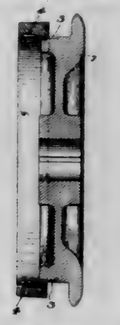
1,557,869. DEMOUNTABLE-RIM LOCK. RICHARD H. O'BRIEN, Forest City, Pa. Filed June 9, 1925. Serial No. 36,018. 1 Claim. (Cl. 295—19.)



The combination with a wheel rim of a tire comprised of soft steel and shrunk on the rim, of a hole half in the rim and half in the tire, and of means for interlocking the rim and tire together consisting of a dowel pin driven into the hole, the dowel pin being less in length than the depth of the hole, and being firmly held in place by means of a threaded plug screwed into the hole at the end of the pin.

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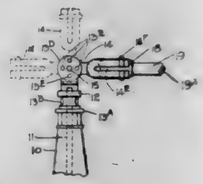
1,557,870. SPARK-PLUG TERMINAL CABLE CONNECTION. ADOLPH PACHMAN, Chicago, Ill. Filed Feb. 25, 1924. Serial No. 694,914. 2 Claims. (Cl. 173—269.)



1. In a spark plug terminal connection, the combination of a member adapted for attachment to a spark plug terminal, a cable connection pivotally mounted to said member, and adjustable means for retaining said connection in varying angular position to the plug terminal, said connection having projections adapted for seating into said member for inter-locking same together.

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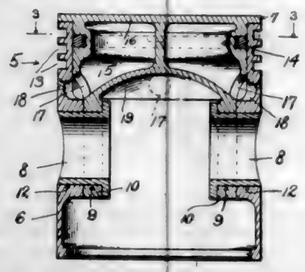
1,557,871. PISTON. FRED S. PAINTER, Bloomfield, Conn., assignor of one-half to Howard W. Morse, Hartford, Conn. Filed Oct. 25, 1924. Serial No. 745,844. 3 Claims. (Cl. 74—108.)

1. A piston of the character set forth comprising a ring carrying sleeve having aligned apertures and an internally disposed annular passage therein, a head loosely fitted in the bore of the sleeve from the top thereof, lugs protruding inwardly from the head and having aligned apertures registering with those of the sleeve, headed bushing passing through the apertures of the sleeve and head from the inside thereof, a packing ring disposed between the head and sleeve, an arched oil deflector spanning the space between the aligned apertures of the lugs and sleeve, an air chamber above the oil deflector, ports forming communication between



the air chamber and annular passage of the sleeve, and ports forming communication between the annular passage of the sleeve and the exterior thereof.

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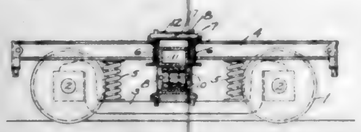
1,557,872. RAILWAY TRUCK. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Mar. 19, 1924. Serial No. 700,323. 2 Claims. (Cl. 105—190.)



1. In combination with a truck frame, its wheels and axles, transoms integral with the side members of said truck frame, a bolster arranged between said transoms, swinging links for supporting said bolster, a pin passing through the upper ends of said links and being seated upon said transoms and held against longitudinal movement, and a sleeve secured on said pin for spacing the upper ends of said swinging links from said transoms and bolster.

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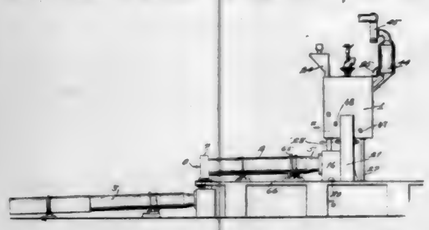
1,557,873. CONTINUOUS METHOD AND APPARATUS FOR CALCINING AND CLINKERING. ROBERT D. PIKE, San Francisco, Calif. Filed Dec. 1, 1920. Serial No. 427,466. 4 Claims. (Cl. 222—7.)



2. An apparatus for the described purpose, the same comprising a vertically disposed stationary calcining furnace, means therein for propelling pulverulent material to be treated therethrough, means for intermixing with the pulverulent material a fuel medium, means for introducing within the furnace a heat medium having a temperature sufficient to cause calcination of the material passing therethrough and flowing counter-current to the stream of material passing through the said furnace for calcination, a rotary clinkering furnace associated with the calcining furnace, means for transferring the calcined material discharging from the calcining furnace directly into the rotary clinkering furnace without exposure to the outside atmosphere, means for introducing into the clinkering furnace a heat medium of a temperature to cause clinkering of the calcined material as passed therethrough and counterwise to the flowing stream of the heat medium, means for conveying the products of combustion from the clinkering furnace into the calcining furnace, a cooler associated with the clinkering furance and adapted to receive the clinkered material discharging therefrom, and means for delivering air passing through the cooler into the clinkering furnace for supporting combustion therein.



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1,557,874. BAFFLE FOR BOILERS. JOHN PRENTICE, Bayonne, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Feb. 15, 1922. Serial No. 536,696. 16 Claims. (Cl. 110—98.)

1. An inclined cross baffle for water-tube boilers having horizontally inclined tubes arranged to form horizontal and diagonal aisles, having tiles each substantially quadrilateral in elevation and having a recess at each angle of the quadrilateral, each recess being adapted to fit snugly around a tube the entire thickness of the tile, with two of the sides quadrilateral horizontal and the two remaining sides substantially parallel to a diagonal aisle.

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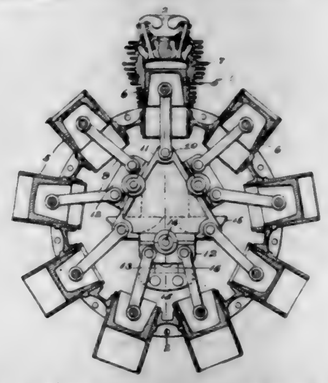
1,557,875. PARALLEL-CRANK MOTION FOR RADIAL ENGINES. CHARLES I. PRESTON, Davenport, Iowa. Filed Dec. 14, 1922. Serial No. 606,979. 8 Claims. (Cl. 74—14.)



1. In a radial engine, the combination of a rotary shaft, a circular series of cylinders, cooperating pistons, and transmission means between the pistons and the engine shaft, comprising connecting rods, a knuckle pin yoke to which the connecting rods are attached, and crank-like members which direct said yoke in an annular path, one or more of said crank-like members having driving connection with the engine shaft.

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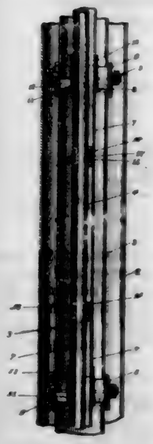
1,557,876. PUMP-SHAFT-CASING COUPLING. GOMER W. PRICE, San Francisco, Calif., assignor to G. W. Price Pump and Engine Company, San Francisco, Calif. Filed Feb. 11, 1924. Serial No. 691,993. 6 Claims. (Cl. 103—111.)



6. In a well pump, the combination with a drive shaft and discharge casing formed from a plurality of sections, of flanges connecting the ends of sections forming said discharge casing; a spider formed integral with one of the flanges upon each section; a shaft casing formed from a plurality of sections to enclose the shaft; sleeves connecting adjacent ends of the shaft casing sections, each sleeve being arranged to engage one of the spiders to subject one of the shaft casing sections to tension; and a plurality of shaft bearings mounted within each casing section, said bearing being spaced away from the spiders to give flexibility of the casing relative to the shaft.

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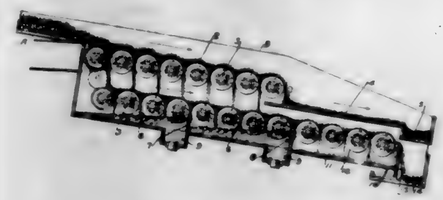
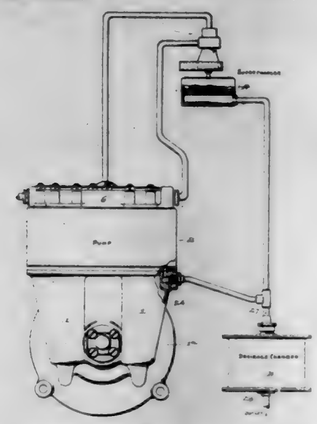
1,557,877. AMALGAMATING AND CONCENTRATING MACHINE. JULIO H. RAE, Dayton, Nev., assignor of one-third to Julio H. Rae, jr., and one-third to Louisa M. Rae, both of Dayton, Nev. Filed June 30, 1924. Serial No. 723,092. 4 Claims. (Cl. 83—67.)



1. A device of the character described comprising a sluice box, said sluice having a compartment formed in the bottom thereof for the reception of mercury, a plurality of rollers journalled crosswise of the sluice and partially submerged in the mercury, said rollers being interspaced to permit them to function as separating and conveying rollers, and means for rotating the rollers.

1,557,878. PUMP. DONALD H. REEVES, Dayton, Ohio. Filed Dec. 3, 1920. Serial No. 428,097. 3 Claims. (Cl. 103—148.)



1. In a pump, an enclosing pump chamber, two bellows contained in said chamber and having intake and exhaust ports, means for simultaneously compressing one bellows and expanding the other bellows, a drainage chamber in communication with said pump chamber, and means for maintaining equal pressure in both of said chambers.

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1,557,879. PROCESS FOR SEPARATING COBALT FROM NICKEL. CHARLES G. RICHARDSON, Elizabeth, N. J. Filed Nov. 8, 1921. Serial No. 513,849. 7 Claims. (Cl. 75—66.)

1. In the treatment of speisses containing nickel, cobalt, arsenic and antimony, the process which consists of roasting the said speiss to such a point that an amount of arsenic equivalent to the amount necessary for combination with the cobalt has been eliminated.

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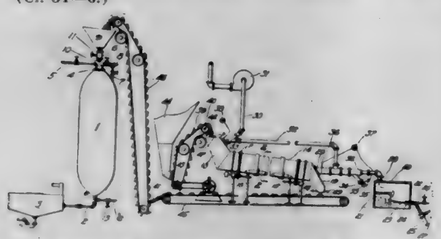
1,557,880. TREATMENT OF RAW MATERIAL IN THE MANUFACTURE OF CHEMICAL WOOD PULP. GEORGE A. RICHTER, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Aug. 25, 1920. Serial No. 405,914. 2 Claims. (Cl. 34—6.)



1. A method of conditioning wood chips for the manufacture of chemical wood pulp, which comprises burning a fuel to produce hot flue gas, cooling such flue gas by an externally-derived cold gas to produce a dry medium having a predetermined relatively low temperature, subjecting the chips directly to the desiccating action of the mixed gases by causing such gases and said chips to flow continuously through a closed container in direct contact, returning more or less of the previously used gas for admixture with the incoming mixed gases, and regulating the flow of gases and chips whereby the water content of the chips is reduced to a predetermined low point.

1,557,881. BALE. MORRIS E. ROGERS, Norwood, La. Filed Sept. 10, 1924. Serial No. 736,928. 1 Claim. (Cl. 100—14.)

A bale comprising a substantially cubical body, a bag encasing the body, and having its head portion folded over the top side thereof, two of the opposite side edge portions of the bag being secured together by a lacing seam which is disposed approximately diagonally with relation to the top side of the body, and the intervening side edge portions of the bag being connected with the first mentioned side edge portions of the bag by angular lacing seams, the apices of the angles of the last mentioned lacing seams joining with the ends of the first mentioned lacing seams, and the end portions of the angular lacing seams approximately bisecting the corner angles at the top side of the body.

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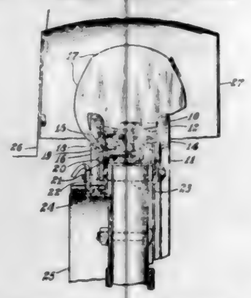
1,557,882. APPARATUS FOR GAUGING VEHICLE PARTS. JAMES W. SCHADE, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed May 20, 1924. Serial No. 714,671. 4 Claims. (Cl. 33—174.)



1. A wheel gauge comprising a portion adapted to be positioned upon the periphery of a wheel structure and a portion adapted, when the gauge is so positioned, to represent the position which would be occupied by a substituted wheel part of determinate dimensions.

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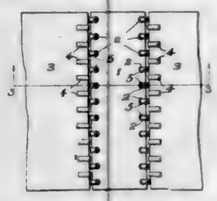
1,557,883. BOOK COVER. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Filed Oct. 11, 1924. Serial No. 742,984. 1 Claim. (Cl. 281—29.)



A book cover, comprising a metal back and penetrable side covers, said back having formed in its marginal side edges a series of spaced openings, elongated metal strips from whose opposite side edges project spaced



fingers and clinching members in staggered relation, said members being driven through the inner marginal edges of said covers and then clinched thereto, while said fingers are inserted through said openings in the back and curled around to form hinge connections.

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1,557,884. BAKER'S PEEL. LEON SCHLAGER, New York, N. Y. Filed July 14, 1924. Serial No. 725,769. 8 Claims. (Cl. 107—67.)

2. In a baker's peel, a blade having a metallic body portion and a non-metallic sheet secured on the bottom side thereof, the bottom side of said portion and sheet providing sliding surfaces for freely sliding the peel in and out of the oven without objectionable noise.

8. A baker's peel comprising a blade having a metallic body portion, longitudinal runners formed on the bottom side thereof, and a non-metallic sheet secured to an extended section of the body portion adjacent said runners, said sheet and runners providing sliding surfaces for freely sliding the peel in and out of the oven without objectionable noises, a member fastened to the upper side of the extended section, said member having a forwardly sloping ramp to facilitate the loading and unloading of the bake from the rear end of the blade and having a rear holder portion forming with said section a socket and a handle for the socket, and means for clamping the handle in the socket to prevent accidental displacement therefrom, said extended section and sheet being slotted to permit the clamping means to contract the socket to eliminate looseness of fit between the latter and the handle.

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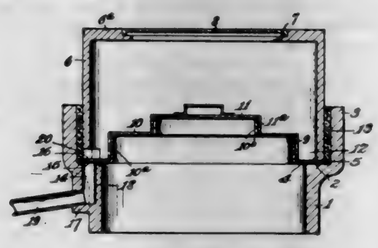
1,557,885. COVER BOX FOR METERS. STEPHEN SHANAHAN, Cincinnati, Ohio, assignor of one-half to Crowley-Prairie Realty Company, Charleston, W. Va. Filed Dec. 1, 1924. Serial No. 753,226. 4 Claims. (Cl. 137—13.)



1. An enclosure for meters, comprising a casing having at its upper end an upright flange and having an internal annular ledge located inwardly with respect to said flange, an inner covering having a base flange seated on said ledge, an outer cover seated upon said base flange and spaced from said inner covering to form an intermediate annular channel, and a drain passage leading outward from said channel through the casing wall.

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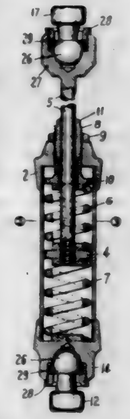
1,557,886. SHOCK ABSORBER. CHARLES W. SHARTLE, Jr., Middletown, Ohio. Filed Aug. 15, 1923. Serial No. 657,627. 1 Claim. (Cl. 267—60.)

A shock absorber comprising mounting brackets spaced one from the other and secured respectively to the frame and axle of a motor vehicle, a shock absorber interposed between said brackets comprising a cylindrical housing and spring elements within the housing counteractive one of another, means for regulating the tension of the spring elements, connections between the shock absorber and said brackets comprising end caps for the shock absorber housing, a universal joint in the lower end cap whereby the same is operatively connected to the lower of said brackets a piston operable in the other end cap and coactively between said spring elements, a



universal joint connection between the piston and the other of said brackets including a member adapted to be adjusted rotatably and axially relative to said bracket to align the piston and shock absorber housing axially and regulate the distance between said connections, whereby the shock absorber as an operable unit will have free compensating action at both ends thereof between said relatively movable members.

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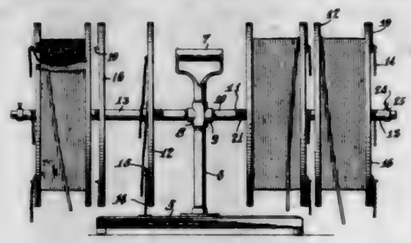
1,557,887. ADJUSTABLE REEL. HOWARD E. SHEELEY, Michigan City, Ind. Filed Nov. 28, 1924. Serial No. 752,819. 1 Claim. (Cl. 242—85.)



A reel structure of the class described including a base, a standard rising from the base, and terminating at its upper end in a handle, a pair of spindle arms radiating in opposite directions from an intermediate portion of the standard and being reduced at their outer portions so as to form shoulders, reels on the reduced portion, springs between the reels and the shoulders, and collars at the ends of the reduced portions to hold the reels in place.

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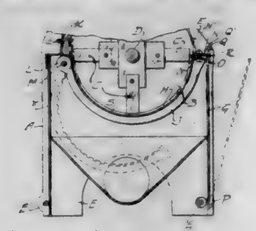
1,557,888. GRINDER AND SHREDDER. HARRY J. SHELTON, St. Louis, Mo. Filed Nov. 1, 1922. Serial No. 598,356. 5 Claims. (Cl. 83—11.)

1. A grinder and shredder comprising a housing having a grinding chamber with revolvable hammers mounted therein, a cage hingedly supported at its rear end, a

perforated plate removably mounted in said cage to form the lower circumferential wall of said grinding chamber,



and means for detachably securing the front end of said cage to the upper circumferential wall of said housing whereby said plate is maintained in operative position.

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1,557,889. SAFETY RAZOR. BUFORD J. STERN, San Antonio, Tex. Filed June 26, 1925. Serial No. 39,830. 6 Claims. (Cl. 30—12.)

1. A razor including a handle formed with spaced bearings, a head carried by one end thereof whose outer side is convex, a frame capable of movement into either of said bearings, and formed with side arms, a blade holder mounted between said arms, a blade mounted in and detachable from said holder.

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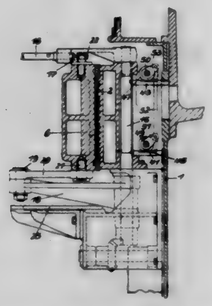
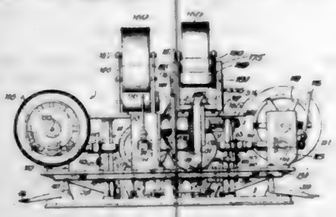
1,557,890. MACHINE FOR CASTING STEREOTYPE PLATES. VIKTOR STEPHAN, Plauen, Germany. Filed Apr. 3, 1925. Serial No. 20,431. 7 Claims. (Cl. 22—5.)



1. In a machine for casting stereotype plates, in combination: a shell-mantle; a vertical spindle located laterally from said mantle and being hinged to it; another vertical spindle; a joint-lever mechanism jointed at one end to the shell-mantle and at the other end to said latter spindle; and means to turn this spindle, the arrangement of the parts being such that the said shell-mantle can be opened and closed, as well as locked in its closed position, by said joint-lever mechanism substantially as set forth.

1,557,891. TIRE-BUILDING MACHINE. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 1, 1918. Serial No. 256,429. 132 Claims. (Cl. 154—10.)



1. In a machine for the manufacture of tire casings, a movable table, a core support on said table, a shaping mechanism arranged at one point about the table, a second shaping mechanism arranged at another point about the table, each of said shaping mechanisms operating upon the fabric progressively radially from the tread to the bead, and means to move the table to present the core support to the said shaping mechanisms in succession.

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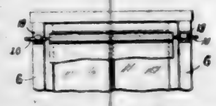
1,557,892. SHADE AND CURTAIN-POLE SUPPORT. CHARLES L. STUBBS, Akron, Ohio. Filed Dec. 4, 1919. Serial No. 342,338. 3 Claims. (Cl. 156—24.)



1. In a window fixture, a bracket comprising in combination, a body, means to non-rotatably attach said body to a window casing, so the same will project at a right angle thereto, said body being provided with two horizontal bores which extend laterally therethrough, one of said bores located near the free end thereof and adapted to receive a curtain rod, a cylindrical supporting pin slidably mounted in the other bore; means mounted directly on said body to hold said pin in said bore, said means also adapted to prevent a rotary movement of said pin, the said pin provided at one end with means to operatively support a shade roller substantially as herein described.

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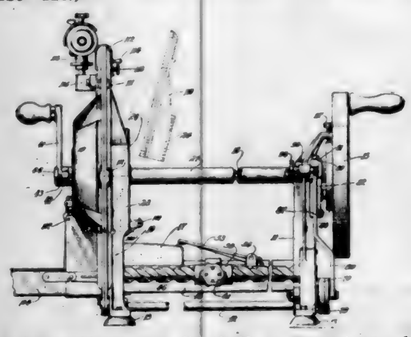
1,557,893. BREAD SLICER. HENDRIK STUKART, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a Corporation of Indiana. Filed July 10, 1922. Serial No. 573,861. 19 Claims. (Cl. 126—113.)



1. In combination, a disc knife, a support on which said knife is journaled, means for rotating said support to move said knife bodily, means for rotating said knife upon its journal during the movement of said support,



means for holding said support in fixed position, means for rotating said knife while still journaled on said support when said support is held in fixed position, and a sharpener for engaging the edge of said knife when so rotated.

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1,557,894. MOP-HANDLE FIXTURE. HERBERT M. STURGIS, Kansas City, Mo. Filed Nov. 14, 1924. Serial No. 749,816. 1 Claim. (Cl. 306—1.)

A mop handle fixture comprising a ferrule having a collar, a socket member connected to the ferrule provided with a collar distant from the collar on the ferrule, a ring nut on the socket member confined in its longitudinal movement between the two collars the distance between the collars being sufficient to permit longitudinal movement of the ring nut, a distance substantially the width of the nut, the free end of the nut extending beyond the end of the socket member, projections on the socket member and a threaded mop head having slots for engagement by the projections, the threads on the head being engageable by the threads on the nut.

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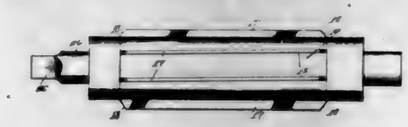
1,557,895. REAMER. MICHAEL L. SUTTON and DONALD HEYER, Hollywood, Calif. Filed May 6, 1924. Serial No. 711,426. 1 Claim. (Cl. 77—76.)



An expanding reamer including a longitudinally slotted holder having an intermediate transverse wall in each slot, cutter blades disposed in the slots of the holder and having inner inclined faces and outer beveled ends, the intermediate portion of the inner edge of each cutter blade having an elongated recess receiving a transverse wall therein and by which the blade is positively guided in its radial movements, means engaged on the ends of the holder and engaging with said beveled ends of the cutter blades, a tapered spreader bar movable within the holder and engaged with the inclined faces of the cutter blades at opposite ends of the said recesses, and a nut engaged on one end of the spreader bar and bearing against the adjacent end of the holder for moving the bar to adjust the blades through the slots of the holder, said nut being retained in position by one of said holder engaged means.

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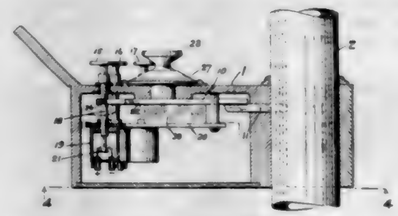
1,557,896. AUTOMOBILE LOCK. MICHAEL SWORASKI, Philadelphia, Pa. Filed July 8, 1924. Serial No. 724,750. 2 Claims. (Cl. 70—127.)

1. Means for use with the movable controlling member of an automobile and with a lock the bolt of which may engage said controlling member and prevent movement thereof, comprising in combination, a plurality of electric circuit closing members, each embodying a longitudinally movable rod having a section of restricted diameter, and means secured to the bolt of said lock and movable therewith and adapted to engage said rods and prevent longitudinal movement thereof and to free the rods, said means comprising a plate apertured for the passage



therethrough of said rods and for locking the plate and having slots of restricted width communicating with the apertures and adapted to embrace the portions of the rods of restricted diameter to permit of movement of the plate but not of the rods, said portions being so positioned in respect to the length of the rods that when engaged by the slots in said plate the electric circuits adapted to be closed by movement of the rods are open.

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1,557,897. COMPOSITION FOR THE TREATMENT OF DOG MANGE. LEWIS L. TAYLOR, Orlando, Fla. Filed Sept. 7, 1921. Serial No. 499,046. 1 Claim. (Cl. 167—10.)

A dog mange remedy for external use, consisting of a solution of turpentine, linseed oil and sulphur in substantially equal proportions.

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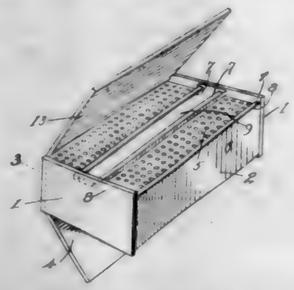
1,557,898. CIGAR BOX. ROGER W. TAYLOR, Cincinnati, Ohio. Filed Apr. 9, 1924. Serial No. 705,381. 2 Claims. (Cl. 131—80.)



1. A cigar box having a hinged top and a hinged bottom, a foraminated closure in the bottom of the box, downwardly extending flanges from opposite two sides of said closure of sufficient length to provide space for the insertion of liquid absorbent material, and outwardly extending flanges from the bottom of the downwardly extending flanges for securing said plate between walls of the box and the bottom cover thereof.

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1,557,899. AUTOMOBILE LOCK. SAMUEL L. TERRY, Chicago, Ill., assignor to Terry-McCluskey Auto Lock Co., a Corporation of Illinois. Filed Oct. 3, 1921. Serial No. 505,162. 2 Claims. (Cl. 74—56.)

2. A gear casing of the character described, comprising an upper and lower cup complementarily threaded, the upper cup enclosing the lower cup, and a

spring pawl locking device secured at one of its ends in the top of the upper cup, the other end sharpened and

bent down to bitingly engage the upper edge of the lower cup when screwed into position and to prevent their separation thereafter.

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1,557,900. AUGER AND BIT. CLIFFORD J. THOMPSON, Chicago, Ill., assignor of one-half to Thomas J. Holmes, Chicago, Ill. Filed Sept. 8, 1924. Serial No. 736,386. 4 Claims. (Cl. 145—116.)

1. A wood-boring tool having a leading-in screw and cutting elements at its forward end for producing a hole slightly less in diameter than the hole to be bored and having screw-threaded elements defining substantially the radius of the hole to be bored and positioned posterior to said cutting elements for engaging the wood and leading the tool forward when in use, and a cutter posterior to said thread elements for cutting away the threads produced in the wood by said thread elements when the tool is normally used.

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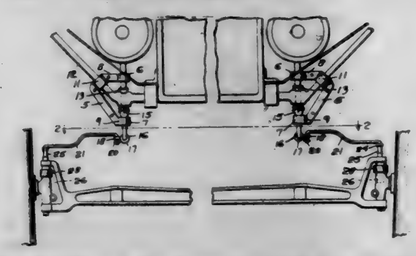
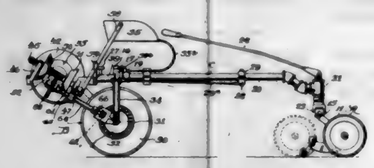
1,557,901. MOVABLE-HEADLIGHT MOUNTING. FRANK L. THOMPSON, Oklahoma City, Okla. Filed June 26, 1924, Serial No. 722,509. Renewed Sept. 15, 1925. 2 Claims. (Cl. 240—62.)



1. A device of the character described comprising a bracket having a pair of aligned eyes a third eye to embrace the fender brace of an automobile the said last named eye lying at such an angle as to support the first two eyes in alignment in a vertical plane, a lamp having its stem passed through the upper of said eyes an L shaped member journaled in the lower of said eyes and internally threaded for the reception of the usual threaded lower end of the stem of the lamp; said last named member comprising a crank portion and a pivoted sleeve said sleeve carrying a lateral ear thereon, a member clamped to the spindle body of an automobile and having a crank at its upper end and a rod connecting said crank and the lateral ear.

1,557,902. LAWN MOWER. HERBERT L. THOMPSON, Elgin, Ill. Filed Feb. 2, 1922. Serial No. 533,506. 12 Claims. (Cl. 56—26.)



1. In a device of the character described, the combination of a mowing element, a power element, a beam having pivotal connection at each end with said elements, means for controlling the position of said beam with respect to said power element and independently operative means for moving said mowing element about a vertical axis with respect to said beam.

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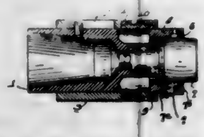
1,557,903. MEANS FOR TESTING THE PROGRESS OF WORK IN MACHINES FOR GRINDING BODIES OF REVOLUTION. HENNING TEODOR TORNBERG, Flushing, N. Y., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a Corporation of the Kingdom of Sweden. Filed Apr. 18, 1921. Serial No. 462,377. 6 Claims. (Cl. 33—163.)



1. Means for testing the progress of grinding operations in grinding machines having a rotary spindle to carry the body to be ground, said means comprising a gage, and means for mounting said gage relatively to the spindle to rotate with the body to be ground, said gage being movable into gaging relation to the body to be ground.

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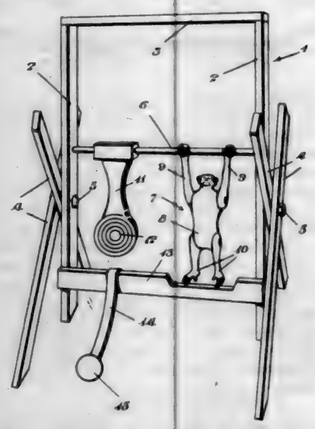
1,557,904. TOY. WALTER BOYD VANDIGRIFT, Dunwoody, Ga. Filed Mar. 28, 1922. Serial No. 547,497. 1 Claim. (Cl. 273—98.)



A toy comprising a pair of standards, a rotary shaft mounted in said standards, a cross bar secured to said standards below the shaft, an articulated figure carried by said shaft, an arm secured to said shaft and depending



therefrom, said arm having a target at its lower end, an elastic secured to said cross bar below said target, and a member secured to said elastic to strike said target when properly directed over the cross bar, said figure and arm being disposed between the standards to rotate with the shaft above the cross bar.

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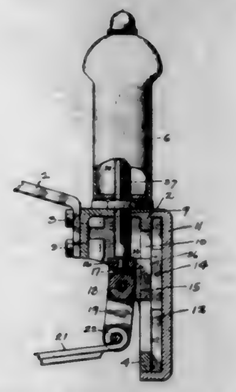
1,557,905. AIR SPRING. VERLE V. VAN NATTAN and CARLTON R. GRAY, San Francisco, Calif. Filed July 11, 1923. Serial No. 650,852. 8 Claims. (Cl. 267—65.)



1. A cushioning device comprising a closed cylinder fixed to a vehicle frame and adapted to contain a pressure; a substantially closed guide frame depending from and connected to said cylinder; a piston slidably retained within said cylinder; a slide, slidably retained in said guide frame; a connecting rod extending through an end of said cylinder, and pivotally connected at its opposite ends to said piston and slide; and a movable vehicle spring connected to said slide and adapted to move said interconnected slide and piston axially with respect to said cylinder and guide frame.

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1,557,906. END-GATE FASTENER. DEWEY G. VANNORSDEL, Kingsley, Iowa. Filed Mar. 28, 1923. Serial No. 628,163. 1 Claim. (Cl. 292—283.)

In a device of the class described, the combination with a wagon box body and a vertically slidable end gate therefor; of a fastening means for the end gate comprising rigid arms secured to the outer face of the side walls of said body and projecting beyond the rear end edges thereof, the projecting free ends of said arms being formed with bearings disposed in a horizontal plane below the upper edge of said end gate and above the transverse central plane of the wagon box body, said bearings being disposed in a vertical plane forward of the plane of the outer face of the end gate, a pair of hasps pivotally mounted at their inner ends in the bearings of the aforesaid arms and having upwardly and obliquely extending shank portions formed thereon, the extreme outer ends of said shank portions terminating in laterally disposed yokes, bolts mounted in said end gate adjacent the upper and side edges thereof, nuts engaged with the inner ends of said bolts adapted for contact with the inner face of the end gate, enlarged flat head portions formed on the outer ends of said bolts providing shoulders between the head portions and the bolts adapted to abut the outer face of the end gate to permit the head portions to project beyond the latter, said head portions being adapted for reception through the openings in said yokes and provided with lateral slots therein, the outer ends of said flat head portions being rounded, and pins adapted to be inserted through the slots in the head portions after the yokes have been applied thereto, as and for the purposes described.

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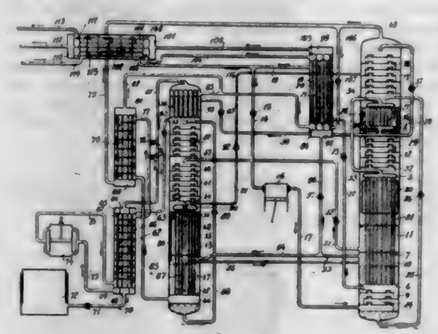
1,557,907. SEPARATION OF THE CONSTITUENTS OF GASEOUS MIXTURES. CLAUDE C. VAN NUYS, Cranford, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 24, 1923. Serial No. 641,035. 21 Claims. (Cl. 183—115.)



1. A method of separating the constituents of gaseous mixtures, which comprises subjecting the compressed and cooled mixture to selective liquefaction to separate a liquid enriched in the less volatile constituents and a residual gas, liquefying the residual gas, rectifying the liquid product of the rectification to an auxiliary rectification of the liquefied residual gas, subjecting the liquid product of the rectification to auxiliary rectification, and cooling the gaseous product of the auxiliary rectification by heat exchange with the balance of the liquefied residual gas to separate the least volatile constituent therefrom.

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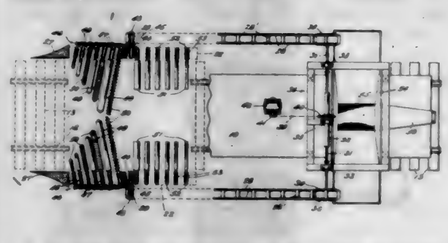
1,557,908. RAILWAY-TRACK-REBALLASTING APPARATUS. PASQUALE URSINO, Seattle, Wash. Filed Mar. 2, 1925. Serial No. 12,551. 6 Claims. (Cl. 104—7.)



2. In apparatus for removing ballast from beneath a track, a car mounted to travel upon said track, conveyors carried by the car and adapted to be employed beneath said track for excavating material therefrom, and rollers also carried by the car and rendered operative by the progressive travel of the car for effecting the raising and lowering successively of the track.

1,557,909. FLY SCREEN. EDWARD I. WALLACE, Florence, Ala. Filed Apr. 7, 1924. Serial No. 704,793. 1 Claim. (Cl. 156—37.)

A screen including a frame, an upper and a lower woven wire fabric section secured thereto, said sections having spaced free edges, a fly escape supported between the edges of said sections, said fly escape including a metallic plate bent back upon itself to provide a folded portion extending alongside of and in spaced relation to the upper portion of the lower section, the ends of said plate being secured to the respective free edges of said sections, a lateral extension formed on the upper portion of the folded portion of the plate and disposed adjacent the upper edge of the lower section, said lateral extension having an orifice formed therein providing an exit to the outside of the screen, the ends of said plate being spaced to provide an exit communicating with the aforementioned exit.

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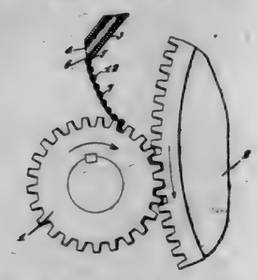
1,557,910. CHAIN-GEAR OILER. AMOS H. WEAVER, Kinross, Iowa. Filed Aug. 29, 1923. Serial No. 659,979. 2 Claims. (Cl. 184—16.)



2. A device for lubricating gear wheels and the like, comprising a tube, a forked yoke connected intermediate its ends with the tube, and flexible elements assembled with the ends of the yoke.

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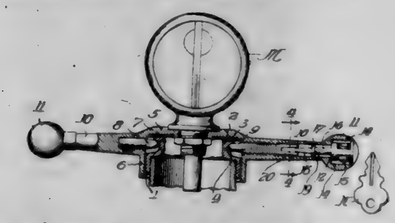
1,557,911. RADIATOR CAP. JOHN F. WHITE, Chicago, Ill., assignor to White Products Company, Chicago, Ill., a Corporation of Illinois. Filed June 30, 1921. Serial No. 481,510. 2 Claims. (Cl. 70—90.)



1. In a closure of the sort described, the combination of a nipple affording a mounting, and a cap affording a closure for the nipple, said cap being provided with oppositely-extending arm portions whereby it may be manipulated, said nipple being provided with a peripheral retaining ledge, retaining members on said cap in alignment with respective arms thereof, said retaining members being engageable with said retaining ledge to hold the cap against removal from the nipple, and means operable in one of said arms for shifting one of said retaining members on the cap to permit removal of the cap from the nipple by movement imparted to the cap through the instrumentality of an arm.

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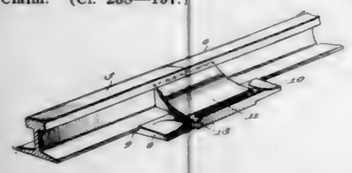
1,557,912. RAIL JOINT. WILLIE T. WILLIAMS, Buena Vista, Fla. Filed Aug. 26, 1924. Serial No. 734,835. 1 Claim. (Cl. 238—197.)



In a device of the character described, the combination with the abutting ends of two adjoining rails having transverse openings through their web, of a base extending transversely beneath the rail ends and having a longitudinal groove to receive said ends, a rail engaging flange formed integral with one side of said base and having notches along its upper edge adapted to register with the openings through the web of the rails, a recess in the opposite side of said base having communication with said longitudinal groove, a locking member adapted to be seated in said recess and firmly contact with the web of said rails, said locking member having a series of studs etending through said openings in the web and seated in said notches, and a notch formed along the edge of said recess for the insertion of a tool to remove said locking member.

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1,557,913. COMBINATION TROLLEY WHEEL AND SHOE. ALBERTO I. WOODRING, Waterloo, Iowa, assignor, by mesne assignments, to National Safety Devices Company, Waterloo, Iowa. Filed Jan. 3, 1922. Serial No. 526,726. 5 Claims. (Cl. 191—59.1.)

1. In combination, a trolley-harp, a slide-contact device tiltably mounted thereon reversibly, and a rolling-contact device mounted on said slide-contact device out of alinement with the slide surface thereof.

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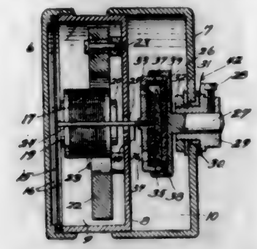
1,557,914. ELECTROMAGNETIC SOUND-WAVE-INTENSIFYING DEVICE. ALFRED WYATT, Kansas City, Mo., assignor of one-third to Samuel J. Cochran and one-third to Frank A. Cochran, both of Kansas City, Mo. Filed Apr. 10, 1922. Serial No. 550,902. 1 Claim. (Cl. 179—171.)

A sound amplifying device comprising a pair of housing sections having a partition forming separate housing compartments, an electromagnet supported by said partition within one of said compartments and having terminals adapted for connection with an electric circuit including sound producing means, a vibratory diaphragm carried by the housing section enclosing said electromagnet in position for forming the armature for said electromagnet, a microphone supported by the other housing section within the other of said compartments and in central axial alinement with said diaphragm and





having an operative connection extending centrally through said partition to the center of said diaphragm, said microphone having terminals adapted for connection with an electric circuit including a loud speaking or amplifying instrument.

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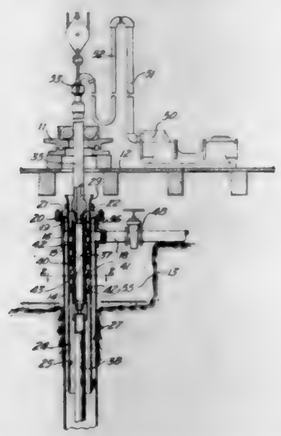
1,557,915. PRESSURE CONTROLLER FOR OIL WELLS. VICTOR YORK, Los Angeles, Calif., assignor of one-half to Walter G. Black, Whittier, Calif. Filed Aug. 28, 1922. Serial No. 584,919. 9 Claims. (Cl. 166—15.)



1. In a device of the character described, the combination of: a casing; a tubular member secured to and extending inside said casing; a string of drill pipe adapted to pass into said tubular member and casing; and means secured between the successive sections of said drill pipe for making a fluid tight joint between the exterior of said drill pipe and the interior of said tubular member.

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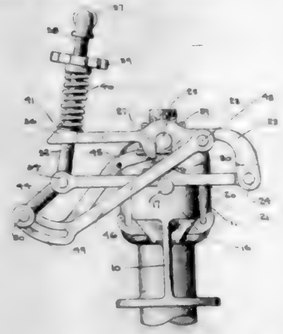
1,557,916. WRINGER. FRANK B. ZIEG, Fredericktown, Ohio, assignor, by mesne assignments, to The F. B. Zieg Mfg. Company, Fredericktown, Ohio, a Corporation of Ohio. Filed May 25, 1921. Serial No. 472,361. 10 Claims. (Cl. 68—32.)

6. A wringer comprising a stationary roll, a movable roll, releasable tension means operable upon said movable roll for forcing said rolls together, and links connected with said tension means and said movable roll whereby said rolls may be forced apart with the release of said tension means, said links being inoperative while said tension means is in operative position.



10. A wringer comprising a lower roll, stationary end bearings for said roll, an upper roll, movable end bearings for said upper roll, a pair of members pivoted respectively to each of said stationary bearings, tension means carried by each of said members operable to force said movable bearings toward said stationary bearings, said means being releasable by the swinging of said members, and a bar extending between said members operable to swing said members simultaneously.

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1,557,917. BEVERAGE EXTRACT. BERNARD H. ZIEHLER, Dayton, Ohio. Filed Oct. 26, 1920. Serial No. 419,615. 2 Claims. (Cl. 99—11.)

1. The herein described process of preparing solidified extract for beverage purposes comprising making a fluid extract of the soluble portions of a malted vegetable product and subsequently heating the extracted matter to partially carbonize and caramelize such extractive material.

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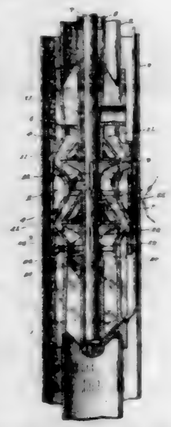
1,557,918. IMPELLER SPACER AND BUSHING. CURT F. ZIMANSKY, San Francisco, Calif., assignor to G. W. Price Pump and Engine Company, San Francisco, Calif. Filed Feb. 11, 1924. Serial No. 692,027. 4 Claims. (Cl. 103—111.)



1. The combination with the bowls and shaft of a rotary well pump of a runner feathered upon the shaft within each bowl; a retaining collar secured upon the shaft; spacing members mounted upon the shaft for po-

sitioning the runners with respect to the collar; a member secured upon the shaft adjacent the runner remote from the collar; and a bushing screw threaded onto said member, said bushing being movable upon said threads to engage and compress the runners and spacing members against the retaining collar for rigidly securing said runners against longitudinal movement upon the shaft.

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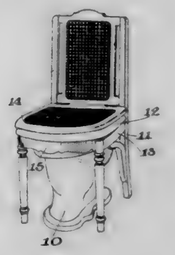
1,557,919. WATER-CLOSET CHAIR. EUGENE A. ZUNDEL, Sheboygan, Wis., assignor to Crocker Chair Company, Sheboygan, Wis., a Corporation of Wisconsin. Filed Apr. 9, 1924. Serial No. 705,353. 2 Claims. (Cl. 4—134.)




1. A water closet chair comprising a chair frame with open front adapted to extend around the sides and back of a water closet bowl and provided with a chair back and with side members having no cross connection at the front, a closet seat hinged to the frame and adapted to rest on the side members, interlocking connections between the closet seat and the side members to prevent the side-members from spreading, and a chair seat hinged on the frame and forming a cover for the closet seat in a closed position and bearing on the chair back in an open position.

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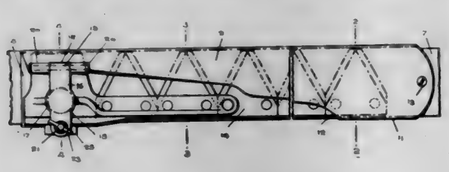
1,557,920. SICKLE SCABBARD. FRANCIS J. BUDROE and JOHN J. MCCORMICK, Jr., Uva, Wyo. Filed Feb. 27, 1923. Serial No. 621,580. 3 Claims. (Cl. 224—2.)



3. A scabbard of elongated form having a longitudinal opening for the insertion of a member into the scabbard, a hasp and a bolt hingedly connected with said scabbard at opposite edges of said opening, said hasp being formed to engage the member when inserted in the scabbard and having an aperture to receive said bolt, and means on the bolt for clamping the hasp against said member.

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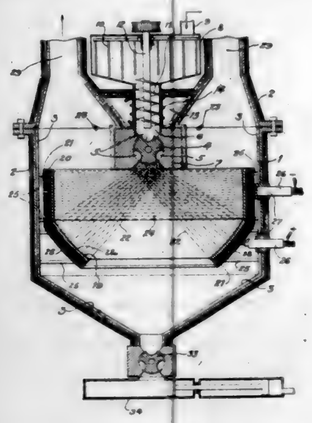
1,557,921. PROCESS OF AND APPARATUS FOR DRYING MATERIALS. HILLHOUSE BUEL, Seattle, Wash. Filed Apr. 18, 1921. Serial No. 462,439. 25 Claims. (Cl. 34—30.)

24. A drying apparatus comprising in combination a chamber, means for maintaining a partial vacuum in said chamber, means for supplying heat within said chamber and transferring it solely by radiation to the material to be dried, a positive means for introducing material to be dried into the field of radiation within said chamber, and means for removing material from said chamber, both said introducing and said removing



means preventing the admission of substantial amounts of air or other gases, said means for supplying heat comprising a surface a portion of which has at least a dark blood red temperature.

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1,557,922. AUTOMATIC GARAGE-DOOR OPENER. CARL ANTON CARLSON, Fort Dodge, Iowa. Filed Aug. 7, 1924. Serial No. 730,612. 2 Claims. (Cl. 268—9.)

1. A mechanism of the character described comprising intermediate and end tread members, the inner ends of the end members resting on the end portions of the intermediate member, hinge rods mounted at the outer ends of the end members, said outer ends of the end members having slotted portions to detachably engage said hinge rods by the movement of the end members away from the intermediate member, said end members being located between said hinge rods and intermediate member, means for supporting the intermediate member for vertical movement, and an operative connection for connecting said intermediate member with a door for opening the door when said intermediate member is depressed.

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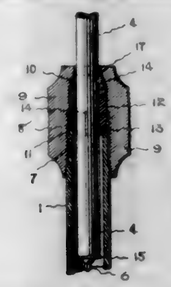
1,557,923. FRICTION JOINT FOR WINDOW ADJUSTERS AND THE LIKE. WILLARD R. CARROLL, New Haven, Conn., assignor to The Lyons Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed Dec. 19, 1922. Serial No. 607,842. 1 Claim. (Cl. 287—114.)

In a device as described, a tubular body; a member adapted to slide within said body; adjustable friction means interposed between said body and member; said means comprising an external nut mounted on a threaded end of said body; a contractible and self-expanding bush-



ing slidably mounted on said members; said bushing having a tapered end engaging a tapered seat whereby contraction of said bushing is effected and means pro-



vided on the inner end of said member arranged to engage said bushing to limit the outward movement of said member.

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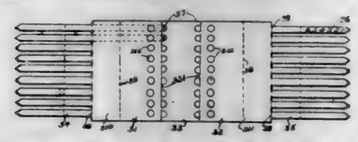
1,557,924. RECORD CARD. BURNIE J. CRAIG, Cleveland, Ohio. Filed Sept. 7, 1920. Serial No. 408,450. 11 Claims. (Cl. 40—63.)



1. A record card comprising a polygonal front portion having a plurality of apertures therein and a polygonal back portion united with the front portion along all edges thereof and having slits along one of the edges at the junction of the front and back portions and recording tabs extending through said slits and having indicia thereon visible through said apertures.

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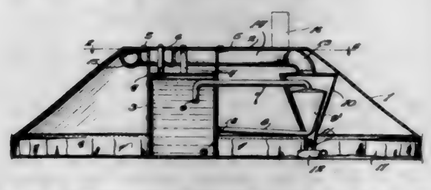
1,557,925. BROODER. JOSEPH F. DISTEL and FRANK KLENKEN, Wilmont, Minn. Filed Sept. 8, 1924. Serial No. 736,609. 2 Claims. (Cl. 119—32.)



1. In a brooder, the combination of an enclosing structure, a storage tank disposed within the structure, means whereby the enclosing structure will be supported by the tank, a heating tank, circulating pipes connecting the heating tank with the storage tank, a housing supported by said pipes around and in spaced relation to the heating tank, means for applying heat to the lower end of the heating tank, and an outlet pipe rising from said housing and extending around the enclosing structure immediately below the top of the same.

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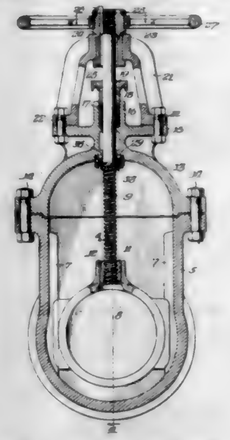
1,557,926. GATE VALVE. CARL A. DOPP, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 20, 1923. Serial No. 681,694. 14 Claims. (Cl. 251—62.)

1. In a gate valve the combination of a casing, a bonnet mounted thereon and provided with a stuffing box, a yoke mounted on said bonnet, an operating wheel rotatably carried by said yoke, a valve stem of substantially uniform diameter fixedly connected to said wheel and projecting through said stuffing box and bonnet



into said casing, a valve disc threadedly connected with said stem, and means for effecting a seal between said bonnet and said stem.

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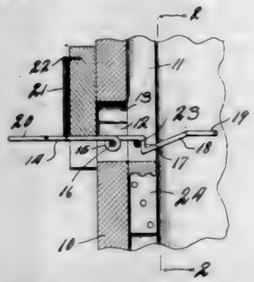
1,557,927. DOOR LATCH. EVERETT R. FARLEY, Paoli, Ind. Filed Jan. 17, 1925. Serial No. 3,124. 3 Claims. (Cl. 292—228.)




1. The combination with a door and a frame against which the door closes, the frame having an outstanding pin extending parallel to the face of the door when closed, of a latch mounted on the door, the latch having a horizontal portion terminating at its inner end in a handle and extending beyond the outer face of the door, the latch then extending straight downward and being adapted to engage over the pin, the latch then extending upward and outward to a point beyond the level of said pin and terminating in a handle, and a spring urging the inner end of the latch upward.

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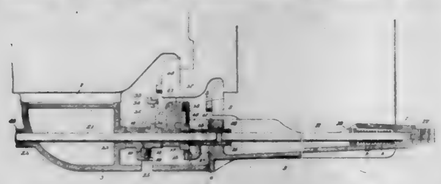
1,557,928. CYCLE-CONTROL MECHANISM. ROBERT M. GALLOWAY, Richmond, Ind., and PAUL C. BURTON, Clarendon Hills, Ill., assignors to The National Automatic Tool Company, Richmond, Ind., a Corporation of Indiana. Filed Aug. 14, 1923. Serial No. 657,384. 19 Claims. (Cl. 192—139.)

1. A control instrumentality for cyclic mechanism combining an element connected with said cyclic mechanism and adapted in one position to cause said mechanism to function and in another position to suspend its operation; a shaft upon which said element is journaled; a member fixed to said shaft and having a lost-motion connection with said element; manual means to rotate said

shaft and said member in one direction, to shift said element to its operative position; and automatic means actuated by said cyclic mechanism to periodically rotate



said shaft in a reverse direction to return it to its initial position, the last of said periodic movements acting through said member, to shift said element to its inoperative position.

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1,557,929. DIVIDER FOR MOWING MACHINES. GUY M. GREEN, Walla Walla, Wash. Filed June 28, 1924. Serial No. 722,915. 1 Claim. (Cl. 56—318.)

In a divider for mowing machines, the combination with a dividing shoe having a removable guide board and fender arm, and a dividing rod having a finger portion, suitably attached to said shoe, of a yielding guard supported at one end by the said finger portion and at its other end by a sliding connection attached to said finger arm, said guard being formed in a generally horizontally curved line and position to produce a continuous, uninterrupted guard from the finger portion to the end of the fender arm.

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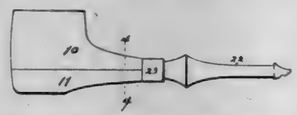
1,557,930. TOBACCO PIPE. HARRY W. GRIFFITH, Ault, Colo. Filed Feb. 1, 1924. Serial No. 690,082. 3 Claims. (Cl. 131—12.)



1. A tobacco pipe formed of separable members adapted to be moved relative to each other on right lines and parallel planes, said members being formed with mating portions of a smoke duct and also being formed with inter-engaging dove-tail grooves and ribs, the plane of separation between said members intersecting the bowl of the pipe.

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1,557,931. ELECTROLYTIC ELECTRICITY METER. MAX GROSSMANN, Jena, Germany, assignor to the Firm Schott & Gen, Jena, Germany. Filed July 20, 1923. Serial No. 652,855. 2 Claims. (Cl. 171—266.)

1. In an electrolytic electricity meter an anode vessel, a liquid anode, a cathode vessel below the anode vessel and communicating with it, the anode vessel and the cathode vessel adjoining each other in a wall consisting of fritted glass, a solid cathode, and an electrolyte contained in both vessels.

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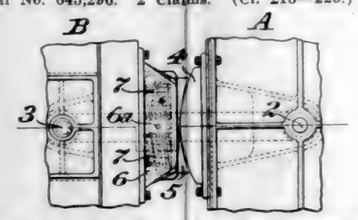
1,557,932. RAILROAD DRAFT APPLIANCE. ROBERT F. HALL, Schenectady, N. Y. Filed June 14, 1923. Serial No. 645,296. 2 Claims. (Cl. 213—220.)




1. In a draft gear for railroad vehicles, the combination of a buffer case, open at its front and rear faces and having laterally extending flanges on its rear face; a buffer slidably mounted in said case and extending through the opening in the front face thereof; springs within the case and extending through the opening in the rear face so as to exert outward pressure on the buffer; a removable pin fixedly connecting the buffer and buffer case; adjusting bolts, fixed to the frame of the vehicle on which the buffer case is supported and passing through said lateral flanges and nuts engaging said adjusting bolts.

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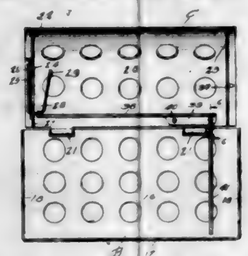
1,557,933. ANIMAL TRAP. CHARLES O. HARKER, Grand Junction, Iowa. Filed Sept. 6, 1923. Serial No. 661,192. 7 Claims. (Cl. 43—67.)



1. In an animal trap, upper and lower portions, means for pivotally connecting them together for permitting the upper portion to be swung into the lower portion, a trap door pivotally mounted in the upper portion having a counter weight pivotally supported thereon, and normally hanging into the lower portion, said counterweight being adapted to be swung to position adjacent to the trap door when the trap portions are collapsed.

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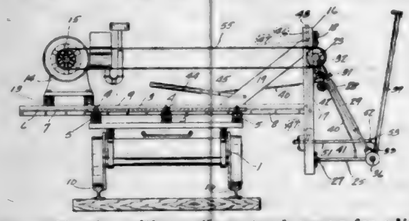
1,557,934. RAILWAY WEED CUTTER. JULIUS HEINZ, Sutton, Nebr. Filed Jan. 5, 1924. Serial No. 684,537. 1 Claim. (Cl. 56—232.)



In combination with a railway truck means for adjustably and operatively mounting the cutting elements of a grass mower upon said railway truck, said means comprising a frame on the truck adapted for lateral sliding movement thereupon; a sickle supporting frame attached at an end of the sliding frame and depending at the side of the truck; a brace connecting the sickle head to the lower end of the sickle frame for vertical pivotal movement; means for elevating the sickle bar, said means comprising a vertical bar pivoted to the sickle frame and formed with a crank arm at the top and a lever arm at the bottom, said lever arm being connected to the sickle bar by means of a link; independent means for elevating the said connecting brace, said means comprising a chain which is secured to the said connecting brace, passed over a pulley and secured to a lever pivoted to the sliding frame; and means for driving the usual sickle drive shaft, said means being telescopically and pivotally adjustable to meet the relatively raised or lowered position of the said connecting brace.



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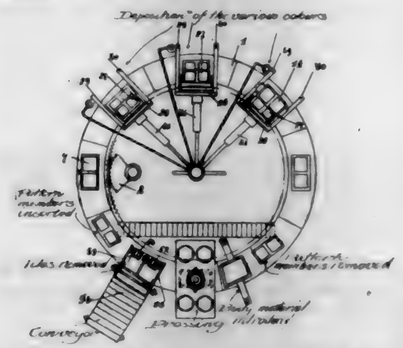
1,557,935. APPARATUS FOR THE MANUFACTURE OF CERAMIC TILES. ARTHUR HENROZ, Brussels, Belgium. Filed Oct. 5, 1921. Serial No. 505,472. 15 Claims. (Cl. 25—42.)



1. In apparatus for manufacturing ceramic tiles, the combination of a hopper; a movable strainer therebeneath; and a device connected to the strainer to impart a succession of sudden shocks or vibrations thereto, said device comprising a differential piston having working surfaces of unequal areas, and a distributor for automatically supplying a fluid under pressure to act constantly upon the surface of smaller area and intermittently upon the surface of greater area.

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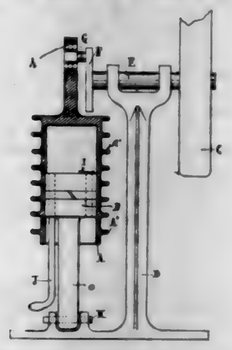
1,557,936. COMPRESSOR FOR FLUIDS. PIERRE JOUANNEAUX, Paris, France. Filed Feb. 25, 1924. Serial No. 695,062. 1 Claim. (Cl. 230—27.)



A fluid compressor, comprising a standard provided with a base; a piston having the lower end of its rod pivoted to said base, and having suction and delivery ducts for the fluid formed through its head, the suction duct being provided with a check valve; a cylinder wherein said piston works having a closed upper end provided with a lug, and an open lower end; a drive shaft journaled in the upper end of the standard; a crank disk attached to said shaft and provided with a pin engaged with said lug, thereby to positively impart to said cylinder, simultaneously, both an endwise reciprocatory movement and a lateral oscillatory movement; and a delivery pipe for the compressed fluid connected to the outer end of the delivery duct and extending through the open end of the cylinder.

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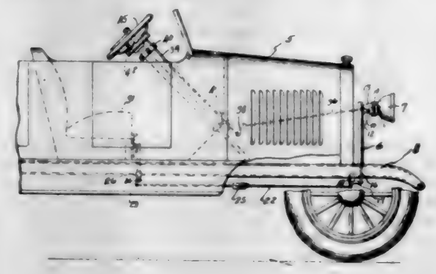
1,557,937. CONTROL MECHANISM FOR HEADLIGHTS. EDWARD B. KAYLOR, Detroit, Mich. Filed Sept. 10, 1923. Serial No. 661,737. 8 Claims. (Cl. 240—61.)



1. Control mechanism for headlights comprising a pair of headlight supporting standards mounted on a vehicle, a bracket pivotally mounted in each standard and movable in a vertical plane, a second bracket pivotally mounted upon the first mentioned bracket and adapted to swing thereupon, a headlight secured to said last mentioned bracket, manually operated means connected with the first mentioned bracket for lifting and lowering the headlight, and means actuated from the steering mechanism of the vehicle for swinging the headlight relatively to the first mentioned bracket.

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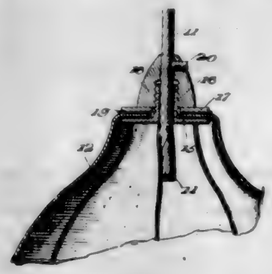
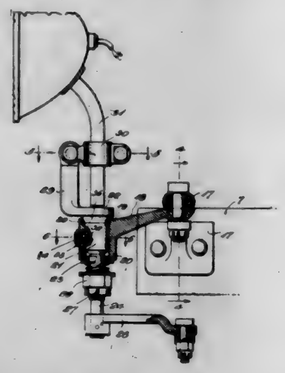
1,557,938. STRIKING BAG. BERT KENNEDY, Gloversville, N. Y. Filed May 26, 1925. Serial No. 33,002. 2 Claims. (Cl. 272—77.)



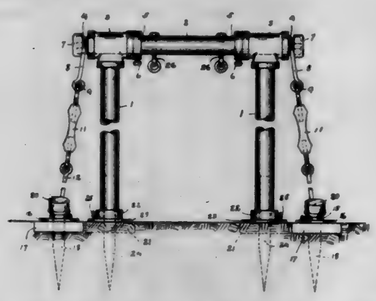
1. A striking bag having a laced side opening and a reduced upper end provided with an aperture in line with the axis of the bag, the said reduced upper end being closed between said side opening and said top aperture, and a top piece clamped through and around the top aperture, having a central bore in line with the axis of the bag to receive a suspension cord and including an external clamping nut having a cord gripping element.

1,557,939. DIRIGIBLE HEADLIGHT. LEO KING and ODIE CROISSETIERE, Sault Ste. Marie, Mich. Filed Aug. 4, 1924. Serial No. 730,060. 2 Claims. (Cl. 240—62.)



1. In a dirigible headlight, a bracket, a sleeve carried by said bracket, a head rotatable in the sleeve, said head and sleeve having beveled contact surfaces at their upper ends holding the head from downward movement, a spring-pressed abutment upon the head engaging the lower end of the sleeve, an arm at the upper end of the head offset therefrom and lying in a vertical plane parallel therewith, a clamp extending laterally from said arm, a lamp having a standard depending therefrom parallel with the arm and engaged by the clamp and resting at its lower end upon the head, and means connected with the head for imparting rotary motion thereto and to the lamp.

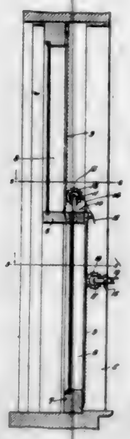
1,557,940. SWING. PETER J. LA PLANT, Duluth, Minn. Filed Dec. 27, 1924. Serial No. 758,358. 2 Claims. (Cl. 155—58.)



1. A fabricated support of the character described comprising two spaced upright members, a horizontally disposed cross piece longitudinally adjustably mounted within the upper ends of the uprights, the extreme ends of the cross piece adjustably carrying bridles externally of the upright members, and adjustable guy lines attached to the bridles.

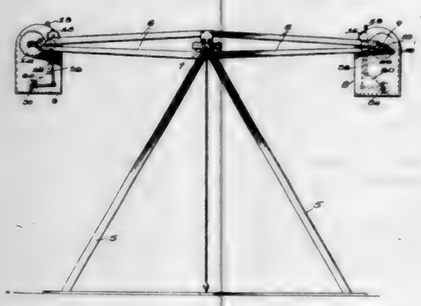
1,557,941. WINDOW-SASH LOCK. GROVER C. MASON, Jacksonville, Ill., Filed May 18, 1923. Serial No. 639,755. 2 Claims. (Cl. 292—280.)

1. A window sash lock of the character set forth, comprising rack bars secured to the inner faces of the sashes, forked brackets having their free ends apertured and extending adjacent the rack bars, gear wheels supported in the forked ends of the brackets, ratchet wheels secured to the gear wheels and carried within the forks of the brackets, pawls secured to the sides of the



brackets and having their inner ends offset in alignment with the ratchet wheels, and expansible coil springs secured to the sides of the brackets and bearing against the opposite ends of the pawls.

1,557,942. AMUSEMENT DEVICE. LEE CORYDON MATTHEWS, San Quentin, Calif. Filed Sept. 11, 1922. Serial No. 587,365. 3 Claims. (Cl. 272—49.)

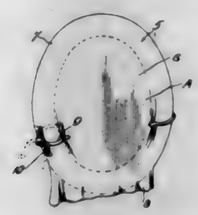


1. An amusement device comprising a frame, a shaft having connection with the frame, beams connected intermediate their ends to the shaft, carriages having stub shafts connected to the terminal portions of said beams, main gears fastened rigidly to said beams, shafts carried by said carriages and having gears connected to said first-named gears, said last-named shafts being provided with hand cranks by means of which the second-named gears may be manually turned for changing the center of gravity of the carriages.

1,557,943. TIRE AND WHEEL PROTECTOR. ALFRED E. MUSTO, Vancouver, British Columbia, Canada. Filed Nov. 26, 1924. Serial No. 752,462. 1 Claim. (Cl. 150—54.)

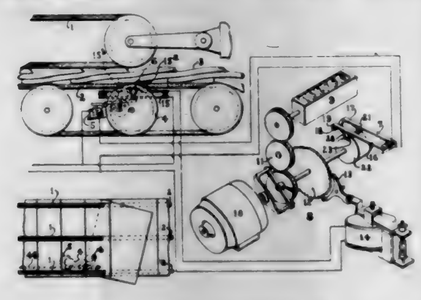
A sun protector for automobile tires and wheels comprising a flexible body including a front wall and a substantial annular side wall of arcuate shape in cross section, the lower end of the side wall being left open and provided with a flap to permit the same to be slipped over a tire and wheel, brackets carried by the





opposite sides of the side wall, and resilient U-shaped clips carried by the brackets for gripping the side walls of a tire with which the cover is associated.

1,557,944. CONVEYER. GUSTAVE B. REISBACH, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 26, 1920. Serial No. 426,339. 14 Claims. (Cl. 98—93.)

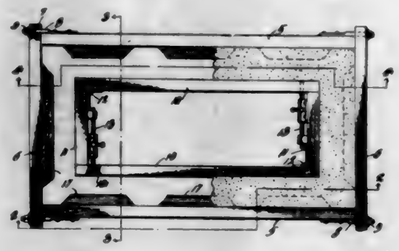


1. The combination with a conveyer, of means under the control of the articles carried by said conveyer to engage and effect deflection of certain of the articles upon movement of a given number of such articles past a given point, said means including means to insure a predetermined degree of deflection of such articles under conditions of variation in dimensions or spacing of the articles.

1,557,945. ROD PACKING. CHARLES A. SCHLOTTER, Avalon, and MILO T. SCHOLL, Pittsburgh, Pa., assignors, by mesne assignments, to Flexomet Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 10, 1922. Serial No. 559,866. 3 Claims. (Cl. 288—1.)

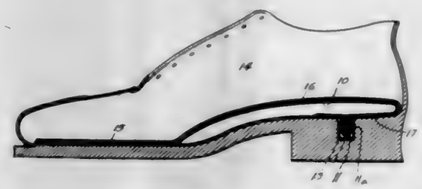
3. A packing-ring comprising an annular metallic channel member of flexible metal having substantially uniform thickness adapted to contact with a movable rod embraced thereby, the channel member being open peripherally, and a ring of yielding packing seated in the channel, the base of the channel member bulging outwardly to form an annular wave and the portions of the base at each side of the said wave bulging inwardly to form annular waves whereby, when the ring is compressed, its base bulges outwardly in a uniform manner and compresses the packing, and the portions at each side of the base bulge inwardly.

1,557,946. MONUMENT MOLD. LEWIS SMITH, Wayne City, Ill. Filed Mar. 7, 1925. Serial No. 13,853. 1 Claim. (Cl. 25—123.)



A mold for forming a concrete monumental enclosure having integral walls, including inner and outer members adapted to be disposed in spaced concentric relation, the outer member comprising separable walls, and the inner member comprising side and end walls, one end of each end wall of the inner member being hinged to one end of one side wall of the inner member, said end walls of the inner member being disposed between the ends of the side walls thereof and being provided with sliding bolts, the free ends of the side walls of said inner member being formed with transverse openings for reception of said bolts to maintain the inner member in set up condition.

1,557,947. ARCH SUPPORT AND HEEL CUSHION. BENJAMIN STEWART, Des Moines, Iowa. Filed Jan. 29, 1924. Serial No. 689,212. 1 Claim. (Cl. 36—71.)

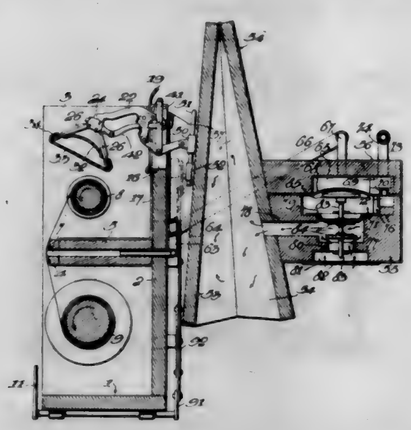


In a structure of the class described, the combination of an arch support and heel cushion, comprising a pneumatic resilient air container having on its under side near its rear portion a small, downwardly projecting tubular extension, and a valve structure received in said extension, with a shoe having a recess in its heel opening into the shoe for receiving said extension and valve structure, a loose flexible sock lining for covering the pneumatic member having at its rear portion a tongue folded around and under the rear portion of the pneumatic member and provided with a hole receiving said tubular extension.

1,557,948. PLAYER-PIANO REROLL STOP. ARTHUR TINDLE, Nokomis, Ill. Filed June 28, 1924. Serial No. 721,775. 37 Claims. (Cl. 84—122.)

1. In player pianos, the combination with the music roll which includes a spool and a music sheet wound thereon, the tracker bar, the take-up roll and the means

for re-rolling the music roll; of means for engaging the music strip to restrain the free end thereof from flapping when released from the take-up roll, and mechanism



governed by the music strip for applying said engaging means to the music roll as the end of the music strip is leaving the take-up roll.

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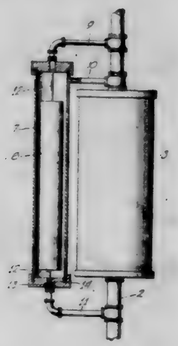
1,557,949. ANTIFREEZING PUMP. MARK WALTON, Ullin, Ill., assignor of one-half to Alonzo S. Dale, Ullin, Ill. Filed Apr. 9, 1924. Serial No. 705,283. 3 Claims. (Cl. 137—34.2.)



1. The combination with a pump cylinder, a vertical pipe in communication with one end of said cylinder and a second pipe in communication with the other end of said cylinder, of an auxiliary cylinder in communication with said pipes, said auxiliary cylinder adapted to permit the water to flow from the pipe disposed above said pump cylinder through the auxiliary cylinder and into said second named pipe and means disposed in said auxiliary cylinder for retaining a sufficient quantity of water for priming.

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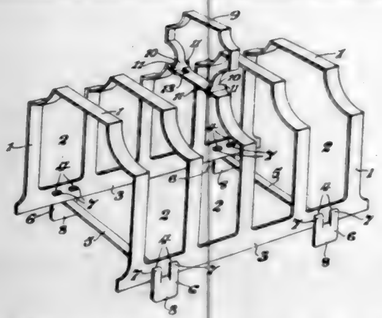
1,557,950. LETTER AND LIKE RACK. SIEGFRIED WASSERMANN, Birmingham, England. Filed Jan. 24, 1925. Serial No. 4,470. 3 Claims. (Cl. 45—4.)

1. A letter or like rack comprising, in combination, a flexible body part of inverted U formation, slots provided in opposite side edges of the U-shaped body, a base part transversely connecting said edges, and inward projections provided at opposite ends of the base part engageable within said slots, whereby the body and



base parts are held in engagement by the outward flexible expansive tendency of the body and are readily separable by contraction of said body.

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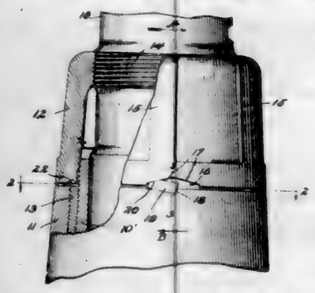
1,557,951. LOCKING DEVICE FOR MANTLE NUTS. WILLIAM S. WESTON, Columbia, S. C. Filed July 19, 1922. Serial No. 576,146. 6 Claims. (Cl. 83—10.)



1. In a device of the class described, in combination, a shaft having a threaded portion, a mantle mounted on the shaft, a mantle nut having threads interengaging with the threads on the shaft, and a device interposed between the nut and mantle, said device preventing contact of the mantle and nut and causing the nut to move with the mantle during movement of the latter in one direction.

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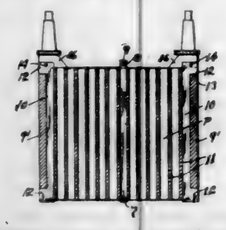
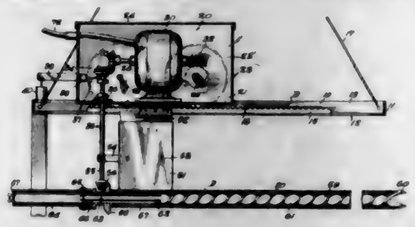
1,557,952. BATTERY. WILLIAM L. WHIDDEN and LORENZO MCCARTNEY, Morgan Hill, Calif. Filed Aug. 13, 1923. Serial No. 656,992. 8 Claims. (Cl. 136—147.)



1. In a battery having a positive plate, a negative plate and a grooved wood separator interposed between the same with the grooves facing one of the plates, an insulating strip adapted to receive an edge of the positive plate and lying in a groove of the adjacent wood separator.



1,557,953. TAPPING MACHINE FOR STATIONARY OPEN-HEARTH FURNACES. WALTER B. WITKOWSKI, Hays, Pa. Filed Mar. 17, 1925. Serial No. 16,244. 8 Claims. (Cl. 266—42.)



8. A machine for tapping open hearth furnaces comprising a frame arranged in a horizontal plane, tracks mounted upon the frame, a carriage disposed upon the tracks for movement toward and away from the furnace, depending brackets carried by the carriage, a hollow casting arranged below the frame and connected with the brackets, a rotatable bit arranged in the hollow casing, and means arranged within the carriage for operating the carriage on said track and for rotating said bit.

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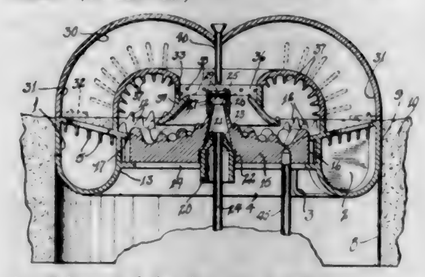
1,557,954. OIL BURNER. ROY E. WOOD, Syracuse, Nebr. Filed May 16, 1924. Serial No. 713,803. 1 Claim. (Cl. 158—66.)



An oil burner of the character described comprising a horizontal generator plate, having upwardly extending conical projections, a vaporizing chamber associated with said generator plate for vaporising liquid fuel, a distributer cap forming one end of said chamber for distributing said vaporized fuel over said generator plate, air passages having heat absorbing fins disposed above said generator plate for pre-heating and conducting air to said generator plate adjacent to said distributer cap, whereby said vapor may be consumed by combustion in the region of the generator plate, and whereby the generator plate may thus become incandescent to further insure vaporization in said chamber, said air conducting passage having auxiliary passages associated therewith for conducting heated air toward the outermost regions of said generator plate, remote from that region occupied by said vaporizing chamber.

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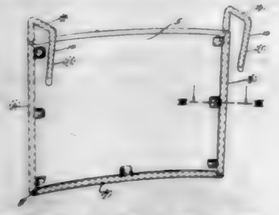
1,557,955. SIGN. LESLIE H. YOUNG, Visalia, Calif. Filed May 31, 1924. Serial No. 717,150. 1 Claim. (Cl. 40—125.)

A door sign for motor vehicles comprising a substantially U-shaped frame formed of a single length of bendable wire adapted to be arranged upon the outer face of a door of the vehicle and having the end portions of its opposite sides bent to provide hooks for supporting the frame by engaging the upper edge of the vehicle door, a panel disposed over the outer face of the frame and formed of a single sheet of bendable metal and having its marginal portions curved around and secured to the base at opposite sides of the frame, pad supporting hooks disposed so as to be interposed between the panel and the vehicle door when the sign is connected to the door, the terminal portions of the shanks of said hooks being bent around the frame, and



pads surrounding the bills of said hooks adapted to bear upon the panel and outer surface of the vehicle door when the sign is in set up position.

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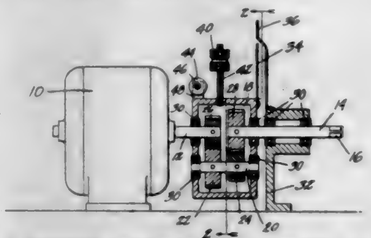
1,557,956. PENDULUM TORQUEMETER. JOSEPH ZUBATY, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Dec. 12, 1924. Serial No. 755,477. 6 Claims. (Cl. 265—25.)



1. A pendulum type torquemeter comprising, in combination, a motor having a driving shaft, a shaft axially alined with the driving shaft and constructed and arranged to be connected to mechanism whose torque is to be measured, a drum freely and eccentrically journaled on the two alined shafts to constitute a pendulum whose angular movement is a function of the torque to be measured, planetary gearing in the drum connecting the shafts and part of which is carried by the drum in a manner to react on the drum, and means to indicate the angular movement of the drum caused by the torque being measured.

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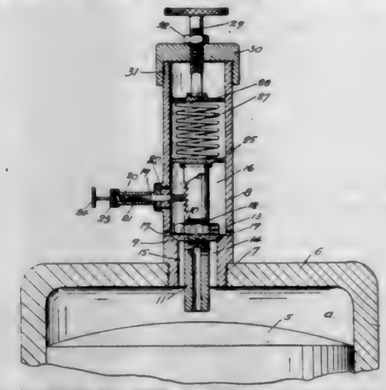
1,557,957. MACHINERY ALARM. HENRY AMRHEIN, Oxnard, Calif. Filed June 22, 1925. Serial No. 38,866. 3 Claims. (Cl. 116—67.)



3. An alarm for indicating reduction of the clearance of a cylinder having a reciprocating piston and comprising sound producing means including a casing con-

nected to the cylinder, a plunger supported by the casing and extending into the clearance of the cylinder and operable by the piston for setting the sound producing means in operation.

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1,557,958. FLEXIBLE COUPLING. CARL E. ANDERSON, Brooklyn, N. Y., assignor to American Machine and Foundry Company, a Corporation of New Jersey. Filed Aug. 26, 1924. Serial No. 734,188. 2 Claims. (Cl. 64—96.)

1. A flexible coupling comprising a sleeve provided with a series of transverse slots in relatively angular disposition about its perimeter, a series of segments loosely mounted in some of said slots, and a series of pins engaging said segments and said sleeve.

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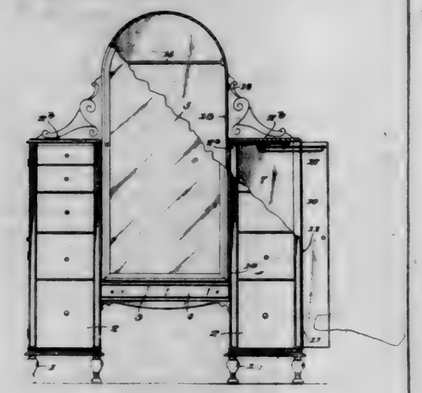
1,557,959. COMBINED VANITY DRESSER AND WARDROBE. JAMES A. ANDERSON, Grand Rapids, Mich. Filed Dec. 12, 1924. Serial No. 755,546. 2 Claims. (Cl. 45—5.)



1. The combination with a dresser comprising suitable supporting feet and a top carried thereby, a stack of drawers at each side of said top, said stacks being spaced apart, a mirror disposed at the rear edge of and upon said top between said drawer stacks, a cabinet arranged behind each stack of drawers and conforming substantially in height and width therewith, a door at the side of each cabinet, said doors lying substantially in the plane of the sides of the drawer stacks, and a central cabinet arranged between the other two behind said mirror and conforming substantially in height and width therewith, said mirror being hinged about one edge and constituting a door for said central cabinet.

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1,557,960. FLUID-MEASURING APPARATUS. JAMES R. ARMSTRONG, Ingram, Pa., assignor to Equitable Meter Company, Ingram, Pa., a Corporation of Pennsylvania. Filed Dec. 27, 1922. Serial No. 609,210. 7 Claims. (Cl. 234—34.)

6. Apparatus for measuring fluids comprising a pair of meters connected in parallel with a common supply, gearing for each meter driven thereby according to the volume of fluid passing therethrough, a chart moving mechanism, means for transmitting motion from the gearing on one meter to said chart moving mechanism, a static pressure actuated pen adapted to record on a

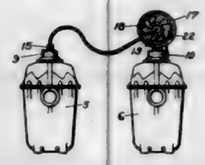

chart moved by said chart moving mechanism, and another pen connected with the gearing of the other meter and moved transversely of a chart carried by said chart moving mechanism to make a record thereon.

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1,557,961. VARNISH FORMULA. STEPHEN P. ASHMORE, Russellville, Ark. Filed Jan. 23, 1923. Serial No. 614,485. 4 Claims. (Cl. 134—26.)

1. A hard transparent cleaning and quick drying varnish comprising powdered English rosin, sodium salicylate, ether, a drier, and a drying oil vehicle for said ingredients.

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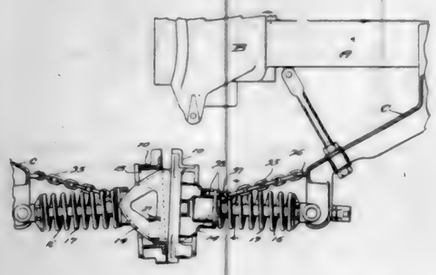
1,557,962. LOCK FOR AUTOMATIC TRAIN-PIPE CONNECTERS. MARTIN A. BARBER, Cleveland, Ohio, assignor to The American Automatic Connector Company, Wyoming, Del., a Corporation of Delaware. Filed Mar. 22, 1922. Serial No. 545,666. 12 Claims. (Cl. 285—24.)



1. In an automatic train pipe connecter, the combination with connecter heads having coacting projections and recesses positioned side by side, and having orifices for receiving steam pipes adjacent the bottom of the heads, of means for locking coacting projections and recesses, said means comprising a plunger slidably mounted on each projection adjacent the bottom thereof and in the region of the steam pipe orifice, and a cooperating shoulder on the coacting recesses, and means for normally holding said plunger in engagement with the shoulder when the heads are coupled together.

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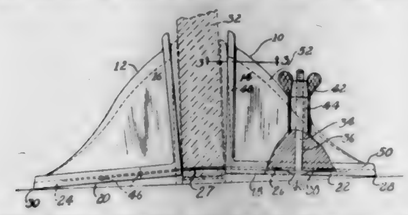
1,557,963. DOOR CLAMP. LEWIS J. BARGER, Maplewood, N. J. Filed Aug. 14, 1923. Serial No. 657,314. 1 Claim. (Cl. 144—296.)

A device of the type described which comprises, a pair of blocks having a lower plate, an upright plate, and a vertical strengthening rib integral with said plates, said upright plates being widened at their upper ends, the bottom faces of said lower plates having aligned longitudinal grooves and being adapted to rest



throughout their lengths on a supporting surface, a spring strap member common to said grooves and connecting said blocks in spaced relation to each other and with their opposing edges tilted slightly upwardly, said strap having an elongated slot, a bolt in one of said



blocks passing through said slot to adjustably attach said strap to said block, said strap and the head of said bolt being contained in said groove, and a resilient surface on the opposed faces of the upright plates of said blocks.

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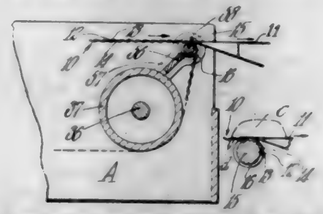
1,557,964. CONFECTION-COATING MACHINE. ALONZO LINTON BAUSMAN, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a Corporation of Massachusetts. Filed Oct. 31, 1922. Serial No. 598,220. 9 Claims. (Cl. 91—3.)



1. In a confection coating machine, of the type wherein the coated confections are transferred from the upper lap of a pervious conveyer to another conveyer while their coatings are still workable, driving means for said conveyers, a roll underlying the upper lap of the pervious conveyer at its delivery end, and means for driving said roll at a surface speed greater than that of said pervious conveyer.

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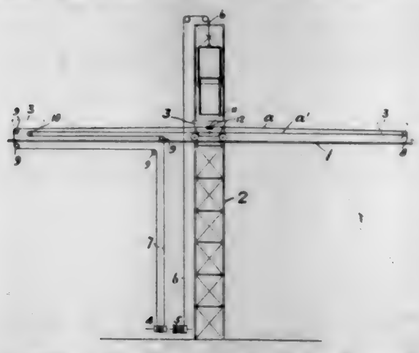
1,557,965. TWO-WAY TRAMCAR SKIP-HOIST APPARATUS. ROBERT H. BEAUMONT, Radnor, Pa., assignor to R. H. Beaumont Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 9, 1925. Serial No. 29,059. 2 Claims. (Cl. 214—40.)



1. Twoway tram car skip hoist apparatus comprising a tramway with skip hoist located at intermediate travel, a car, interconnected winding drums and their hoist and car cables, means for guiding oppositely moving reaches of the car cable along the tramway, and devices for connecting and disconnecting the car with either of said reaches, substantially as described.

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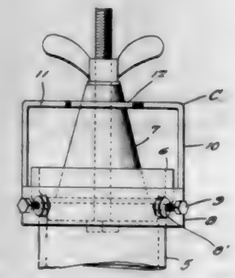
1,557,966. GUIDE CLAMP FOR PLUMBERS' TESTING PLUGS. OTTO BENSHADLE, Buffalo, New York. Filed Dec. 29, 1924. Serial No. 758,780. 1 Claim. Cl. 137—76.)



In combination, a ring having a plurality of reinforced threaded openings, screws in the openings for engagement with a pipe section, a U-shaped yoke having its ends fixed to the ring and its intermediate portion enlarged at its center and provided with an opening having a beveled edge, and a cone-shaped filling plug for association with the pipe section with which the screws are engaged and adapted to be received in the opening of the U-shaped yoke and rest against the beveled edge thereof.

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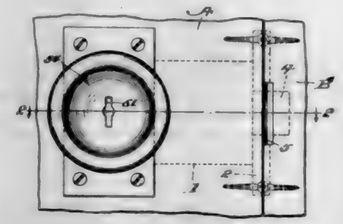
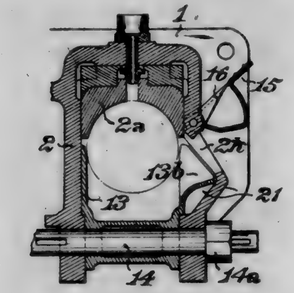
1,557,967. LOCK. WILLIAM T. BLOUNT, Washington, D. C., assignor of one-half to William G. Barnwell, Savannah, Ga. Filed June 16, 1924. Serial No. 720,405. 7 Claims. (Cl. 70—81.)



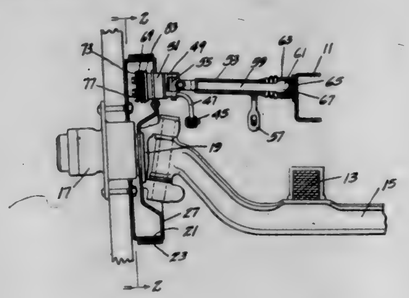
1. In combination with a lock, its bolt and the means for locking the bolt in projected position, a rotatably and slidably mounted tumbler, locking means for holding the tumbler against rotary movement, spring means for holding the tumbler in engagement with its locking means and a key for sliding the tumbler out of engagement with its locking means and then rotating the tumbler to cause it to engage the bolt locking means to move the same to locking position.

1,557,968. JOURNAL BOX FOR RAILROAD VEHICLES. JAMES G. BLUNT, Schenectady, N. Y. Original application filed Sept. 18, 1923, Serial No. 663,855. Divided and this application filed Sept. 25, 1924. Serial No. 739,795. 3 Claims. (Cl. 308—83.)



1. In a journal box for railroad vehicles, the combination with guides on the inside of the box legs, of a lubricant cellar supported on said guides, a feed spout on one side of said cellar, one of the box legs having a feed opening opposite said spout, and a lid for said opening.

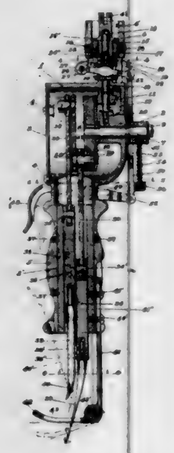
1,557,969. MOTOR VEHICLE. CLIFFORD ARCHIE BOOM, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 14, 1924. Serial No. 732,026. 5 Claims. (Cl. 188—205.)



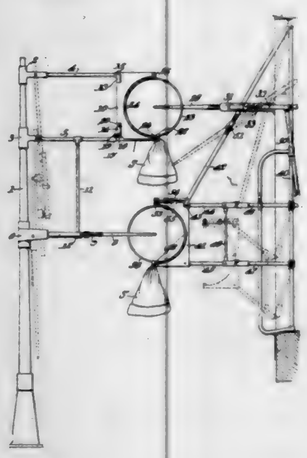
3. A brake comprising, in combination, frictionally engaging members, and connections controlling the engagement of said members including a rock member, a support, a stop carried by said rock member engaging a slot in the support for limiting the return movement of said rock member.

1,557,970. MACHINE FOR HOOKING RUGS AND THE LIKE. JOHN A. BORROWS, Portland, and CHESLEY T. SABINE, Lewiston, Me., assignors, by mesne assignments, to Jessie B. Bibber, Portland, Me. Filed May 19, 1925. Serial No. 31,436. 4 Claims. (Cl. 112—80.)

1. In a machine for hooking rugs and the like, a body member, means on said body member for the purpose of grasping the same with the hand, a disc rotatably mounted within said body, a double throw crank on said disc, slides reciprocable within said body, rods connecting said crank with said slides, a needle fixed on one of said slides, a follower fixed on another of said slides, the lower portion of said follower being bent toward said needle, a leg depending from said body and from the rearward side thereof, a presser-foot secured to the lower extremity of said leg and extending forwardly a spaced distance therefrom, and having an aperture therein in which said needle and said follower may operate, and means to vary the distance between consecutive stitches made by said machine.



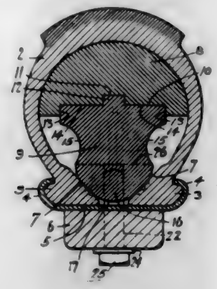
1,1,557,971. RAILWAY-MAIL DELIVERY AND RECEIVING APPARATUS. ROGER BOSTICK, Benoit, Miss., and WILLIAM E. WOODSON, Jackson, Tenn., assignors of one-third to J. Y. Fauntleroy, New Orleans, La. Filed Oct. 22, 1923. Serial No. 670,204. 14 Claims. (Cl. 258—15.)



1. In a railway mail transferring apparatus, a collapsible parallel-motion framework lying substantially in a plane perpendicular to the right of way, said framework comprising a standard, rods pivoted to said standard, a ring receiving member, and pivotal connections between said member and each of said rods completing said parallel-motion framework.

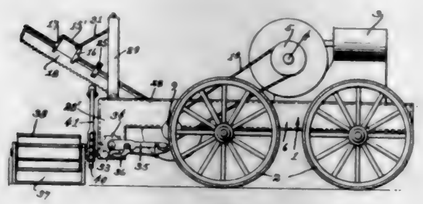


1,557,972. VEHICLE TIRE. ROLLA B. BOSTWICK, Duquesne, Pa. Filed Aug. 13, 1923. Serial No. 657,224. 2 Claims. (Cl. 152—5.)



1. In a vehicle tire, the combination of a casing adapted to seat upon a wheel rim and a resilient core contained within said casing, said core comprising an outer portion of substantially semi-circular cross section and composed of rubber or an equivalent elastic material, and an inner substantially annular portion of softer rubber, normally spaced from the wheel rim, said inner core portion having its inner surface rounded to form a wedging nose engaging said casing adjacent to the free edges thereof.

1,557,973. PORTABLE LOG-SAWING MACHINE. HORACE H. BOWDEN, Prior, Mo. Filed Nov. 3, 1923. Serial No. 672,518. 2 Claims. (Cl. 143—163.)

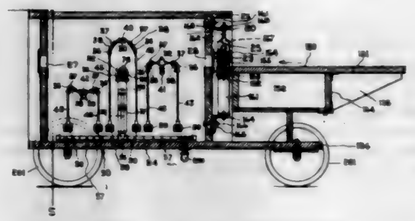


1. In a log sawing machine, a saw guide consisting of a yoke having parallel end portions provided at their extremities with slots, said slots being alined with each other, guide rods connected with the end portion of the yoke at points between the ends of the slots and the intermediate portion of the yoke, said guide rods being disposed beyond the opposite sides of the yoke and alined longitudinally with each other and saw clamps slidably mounted upon the guide rods and located one at each side of the yoke.

1,557,974. METHOD OF COMBINING SODA ASH AND WATER. JOSEPH A. BRADBURN, Syracuse, N. Y., assignor to National Chemical Company, Syracuse, N. Y., a Corporation of New York. Filed July 14, 1921. Serial No. 484,760. 1 Claim. (Cl. 23—63.)

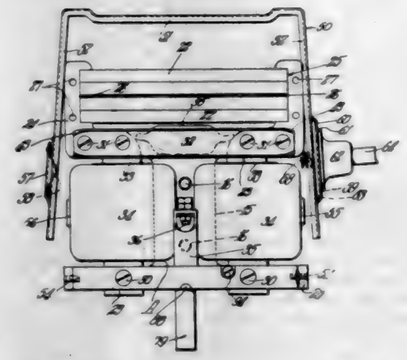
The process of combining soda ash and water comprising introducing soda ash and water into one end of a container of substantially circular cross-section, causing a relative circular movement of said substances and the interior surface of the container, maintaining the combining substances in a broken up condition during such relative movement by constant contact with a plurality of comparatively heavy pieces of metal loosely carried within the container and movable with reference to both the combining substances and the container, cooling the combining substances during treatment, causing said combining substances to move from the inlet and toward the outlet end of said container, and discharging the combined substances at the outlet end of the container in the form of a powder.

1,557,975. PAINTING MACHINE. LEVANDER BROWN, Jr., Montreal, Quebec, Canada. Filed Dec. 21, 1922. Serial No. 608,383. 24 Claims. (Cl. 91—45.)



1. In a portable tank for the treatment of articles with a substance, said tank having an entrance in one wall and an exit in an opposite wall for permitting the passage of the articles in a straight line through the box, means for atomizing the substance within the chamber, said means consisting of a plurality of relatively fixed atomizers, means for subjecting the articles to the atomized substance within the chamber and means for exhausting the atmosphere from the chamber.

1,557,976. MAGNETO. PHELPS BROWN and TERRENCE G. LOUIS, Springfield, Mass.; said Louis assignor to Wico Electric Company, West Springfield, Mass., a Corporation of Massachusetts. Filed July 18, 1923. Serial No. 652,356. 18 Claims. (Cl. 171—209.)



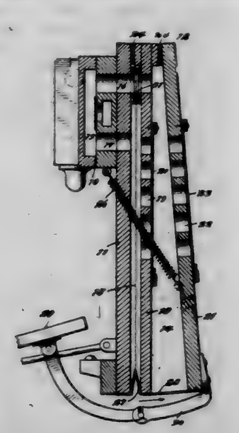
1. In a magneto, a frame, a source of magnetic flux, cores connected therewith, and coils associated with the cores, all supported from said frame, bottom housing means through which the ends of said cores protrude, front and rear housing plates on opposite sides of said means and contiguous therewith near their lower edges, and a substantially U-shaped housing member extending between the plates along their top and side edges and cooperating with said means and plates to incase said source and coils and the cores, except for said ends.

7. In a magneto, having a magnetic source, cores connected therewith, and coils associated with the cores; a terminal provided on one of the coils, a detachable plate adjacent said terminal, having an opening, an insulator swiveled in said opening, a wire passing through the insulator, and a spring connected with said wire adapted to contact with said terminal.

1,557,977. MANUFACTURE OF BOOTS AND SHOES. LESLIE HURST BURROWS, Hobart, Tasmania, Australia. Filed Jan. 16, 1923. Serial No. 612,948. 1 Claim. (Cl. 36—15.)

A boot or shoe having a welt sole secured to the insole, and provided with countersinks on the inside surface thereof, an outer half sole, having on its outer surface countersinks coincident with those in the welt sole, a hollow socket piece having a central cone or spreader in each countersunk opening in the welt sole and a bifurcated rivet that pases through the outer sole and is driven into the hollow socket and is recessed in one of the countersinks of the outer half sole.

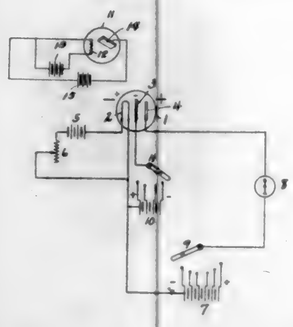
1,557,978. WIND-INDUCING BELLOWS. CHARLES E. CAMERON, East Orange, N. J. Filed Aug. 9, 1922. Serial No. 580,625. 11 Claims (Cl. 230—2.)



1. In a wind inducing device for self-playing musical instruments, the combination of a wind-chest, a front board fixed thereto, a secondary bellows on the front board opposite the wind-chest, and with said front board as one side of the secondary bellows, an air passageway in said board placing said secondary bellows in communication with the wind chest, a primary bellows with a pivotally mounted hoating board common to both bellows constituting the movable side of the secondary bellows and a relatively fixed side of the primary bellows, and another board constituting the movable side of the primary bellows, both of said movable boards provided with valve controlled ports extending therethrough and a pedal operatively connected to the movable side of the primary bellows and acting through the primary bellows when distended to move the movable side of the secondary bellows.

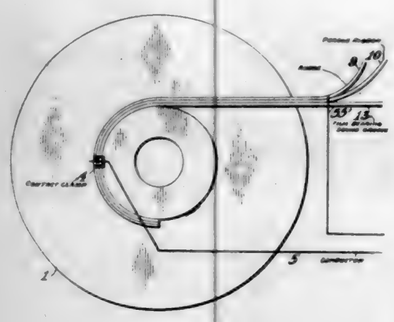
1,557,979. APPARATUS FOR MEASURING AND DETECTING X RAYS. THEODORE WILLARD CASE, Scipio, N. Y., assignor to Case Research Laboratory Incorporated, Auburn, N. Y., a Corporation of New York. Filed Mar. 31, 1921. Serial No. 457,284. 8 Claims. (Cl. 250—34.)

1. An apparatus for determining X-rays comprising the combination with a source of X-rays of an evacuated bulb, a pair of spaced electrodes arranged within the bulb, means for heating one of the electrodes, a circuit connecting the electrodes and including a source of potential, and a third electrode within the bulb adapted



to give off electrons under the influence of X-rays to thereby vary the current flowing between the first two named electrodes in accordance with the intensity of the X-rays to which the third electrode is exposed.

1,557,980. ELECTRODEPOSITION PROCESS. ALOYSIUS J. CAWLEY, Pittston, Pa. Filed Apr. 17, 1922. Serial No. 554,112. 6 Claims. (Cl. 204—1.)



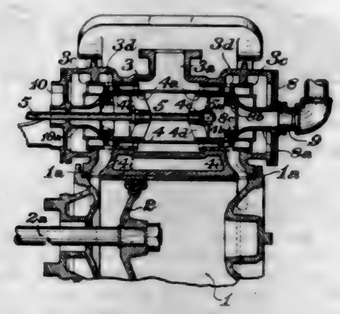
1. The process of electrodeposition, which consists in applying a layer of absorbent material of a specific form impregnated with electrolyte over a conducting surface and in fixed contact therewith, placing a strip of the metal to be deposited on top of said layer and establishing electrical connection between said metal strip and said conducting surface to deposit metal over a specific area of said conducting surface in accordance with the specific form of said layer.

1,557,981. NONRUSTING ALLOY. MONROE S. CLAWSON, Upper Montclair, N. J. Filed Feb. 27, 1924. Serial No. 695,583. 2 Claims. (Cl. 75—1.)

1. A non-rusting alloy consisting of nickel 82 to 96 percent, silicon 3 to 10 percent, manganese 1 to 5 percent, chromium 1 to 5 percent, carbon .85 to 3½ percent, iron 1 to 6 percent, and copper ½ to 4 percent, together with a small proportion of reducing, deoxidizing and denitrogenizing elements.



1,557,982. EXHAUST-STEAM COLLECTOR. ROGER W. CLIFFORD, Schenectady, N. Y. Filed Sept. 8, 1924. Serial No. 735,593. 3 Claims. (Cl. 60—89.)



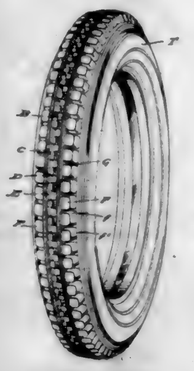
1. In a reciprocating steam engine, the combination of a steam cylinder; a tubular piston distribution valve, communicating, by induction and eduction, ports therewith; a valve chest, in which said valve is fitted to reciprocate; bull rings, fitted in the distribution valve and having ports adapted to communicate with the cylinder ports and stationary valve members, fixed in the valve chest and controlling the ports of the bull rings.

1,557,983. WASHING MACHINE. LEWIS M. COKER and GEORGE L. FELIX, Springdale, Pa. Filed Nov. 7, 1924. Serial No. 748,485. 5 Claims. (Cl. 68—37.)

1. In a device of the character described, a casing open at both ends and including at its upper end a downwardly and inwardly inclined flat wall and a vertical straight wall extending from the lower edge of the inclined wall, a nozzle extending into the casing at the side opposite to the vertical wall and in substantial alignment with the upper portion thereof, and means for connecting said nozzle to a source of supply of water under pressure.

1,557,984. AUTOMOBILE TIRE TREAD. JACKSON D. COMSTOCK, Chester, W. Va. Filed Oct. 20, 1922. Serial No. 595,721. 8 Claims. (Cl. 152—14.)

6. A tire tread construction consisting of parallel circumferential ribs, separated at either side of the medial plane of the tire and rising to a height nearly as great as the width of the ribs, and bracing blocks curving slightly toward the axis of the tire but forming a substantially flat surface even with the ribs, and extending from the outer side of each rib and all terminating in sharp edges and preventing lateral tipping of these ribs as well as affording traction and braking action.



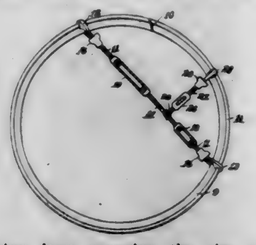
1,557,985. TWINE-TENSIONING DEVICE. RUFUS R. CONDRA, Nashville, Tenn. Filed Apr. 14, 1925. Serial No. 23,091. 6 Claims. (Cl. 254—1.)

1. A twine tensioning device of the character described including a support, a depressible member having a hook and mounted upon the support, and operator operable means whereby the depressible member may be depressed on the support.

1,557,986. TIRE-RIM TOOL. EDWARD G. COOK, Wilmington, Del., assignor of two-thirds to Ralph L. Reese and Henry J. Ellis, both of Wilmington, Del. Filed Aug. 30, 1921. Serial No. 496,870. 1 Claim. (Cl. 157—1.)

A rim tool comprising a pair of rods, a pair of clamping jaws at the end of each rod, means for forcing said

jaws into engagement with the rim, a turnbuckle threaded on each rod, a coupling rod threaded into the turnbuckles, a brace attached at one end to the coupling



rod and having jaws engaging the rim at the other end, and means for adjusting the effective length of the brace.

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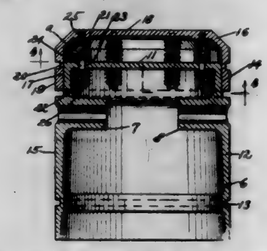
1,557,987. PISTON. STANLEY CORYELL, Oxnard, Calif. Filed Oct. 29, 1923. Serial No. 671,420. 6 Claims. (Cl. 74—108.)



1. A piston head, including an annular wall formed with an annular reduced portion, said annular reduced portion being provided with an inwardly projecting flange, a cap member upon such annular reduced portion, said inwardly projecting flange being formed with a series of transversely spaced perforations, pin members associated with the cap and passed through such perforations, and independent spring members mounted on opposite sides of the inwardly projecting flange and surrounding such pin members, certain of such springs bearing against the cap member.

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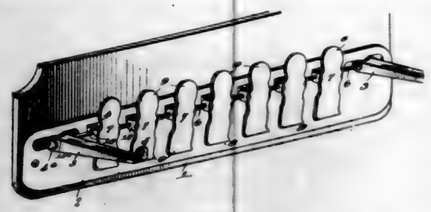
1,557,988. DENTAL GAUGE. JOHN A. DEVINE, Cheyenne, Wyo. Filed Mar. 28, 1924. Serial No. 702,604. 7 Claims. (Cl. 33—174.)

1. A dental gauge comprising adjustable means encompassing the head of a patient for maintaining the gauge thereon, means pivotally connected to said adjustable means for engaging and supporting the chin of the patient, and a bite registering device carried by said adjustable means.

1,557,989. RACK FOR COLLARS AND NECKTIES. ALEXANDER DOMBROWSKY, Balboa, Canal Zone. Filed Jan. 29, 1924. Serial No. 689,283. 2 Claims. (Cl. 211—17.)



1. A rack comprising a base member, ears cut from the base member and projecting outwardly, resilient clamping jaws pivotally connected with certain of the pairs of ears, posts pivotally connected with other pairs of ears and provided with a projecting lug adapted to snap over the upper edge of the base member for locking the posts in an inoperative position said post when locking in an operative position being adapted to be employed as a clamping member.

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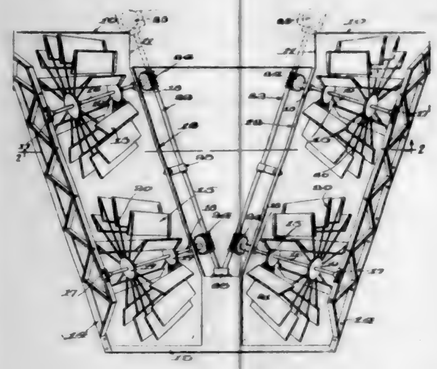
1,557,990. BOAT. FRED D. DOTY, New Orleans, La. Filed Dec. 5, 1924. Serial No. 754,147. 3 Claims. (Cl. 115—49.)



2. In a boat of the character described, a hull having an extended stern, the extended stern having a central body portion provided with rearwardly tapering sides, and a plurality of paddle wheels mounted on the boat for rotation about an axis extending at right angles to the tapering sides of the extended stern.

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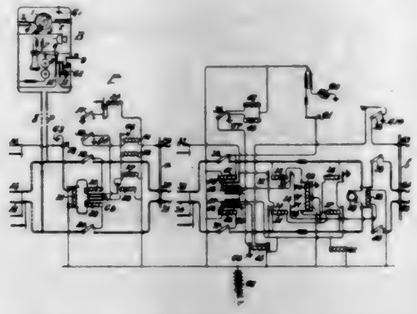
1,557,991. AUTOMATIC TELEPHONE-EXCHANGE SYSTEM. ALFRED H. DYSON, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company, a Corporation of Illinois. Filed Mar. 24, 1906. Serial No. 307,845. 28 Claims. (Cl. 179—18.)

1. An automatic telephone exchange system including a calling subscribers' line and a called subscriber's line, a connector adapted to be operated responsive to currents controlled at the calling substation to connect directly with the called line, talking conductors for said connector having normally open switching contacts, a central source of current, a pair of relays, an electromagnet associated with said connector effective when connection is made with the called line to close said switching contacts whereby a circuit of said source is



closed through said relays to energize them, mechanism at the exchange adapted to be operated responsive to the simultaneous de-energization of said relays to cause the bell of the called subscriber's line to ring, mechanism responsive to the de-energization of one only of said



relays, the second remaining energized, for disconnecting said lines, and switching means at the calling substation adapted to effect the de-energization of both said relays or the de-energization of the one only according to the election of the subscriber.

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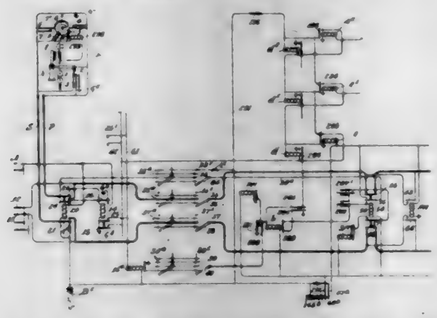
1,557,992. TELEPHONE SYSTEM. ALFRED H. DYSON, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company, a Corporation of Illinois. Filed June 4, 1906. Serial No. 320,158. 192 Claims. (Cl. 179—18.)



1. A telephone exchange system comprising a plurality of subscribers' telephone lines divided into groups, a plurality of interconnecting link-circuits, a plurality of electrically controlled switches for completing connections between any calling lines and any called lines, said switches including line selectors assigned by groups to groups of lines, and the total number of said switches being less than the total number of said telephone lines no matter how many of the latter there may be in the exchange, said electrically controlled switches being controllable over the two sides of the subscribers' lines in series, and means for establishing as many simultaneously existing conversational circuits between pairs of lines all in the same group as there are line selectors for the group.

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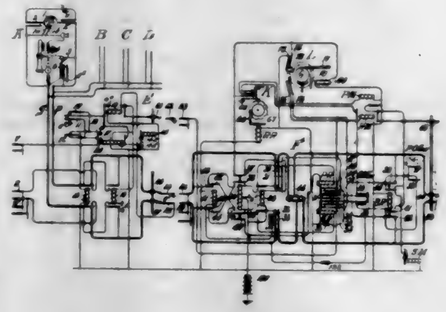
1,557,993. AUTOMATIC TELEPHONE-EXCHANGE SYSTEM. ALFRED H. DYSON, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Co., a Corporation of Illinois. Filed July 12, 1906. Serial No. 325,830. 125 Claims. (Cl. 179—17.)

1. An automatic telephone system including a plurality of lines connecting stations with the exchange, passive contacts for said lines at the exchange, a less plurality of link-circuits, selective switches at the ends of said circuits adapted to automatically connect a link-circuit with a passive contact of a calling line, passive terminals for said switches, a master switch common to said switches and lines, a movable contact member therefor adapted to move over said passive terminals and normally resting in engagement with a terminal of an idle one of said plurality of switches, a cir-



cuit adapted to influence said master switch operated responsive to currents over a calling line to cause it to initiate travel of said idle one of said plurality of switches, means automatically effective thereon to initiate and continue travel of said master switch past terminals of busy switches to come to rest engaging a terminal of an idle one of said switches, and means for arresting travel of said idle switch when it engages terminals of a calling line.

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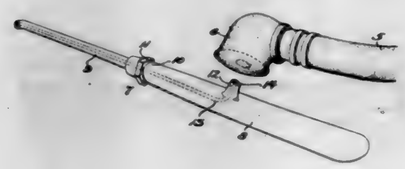
1,557,994. BLOWING DEVICE. ROBERT G. DYSON, Trooper, and HARVEY S. PLUMMER, Fairview Village, Pa., assignors to Franklin Air Compressor Works, Norristown, Pa., a Corporation of Pennsylvania. Filed Dec. 9, 1924. Serial No. 754,755. 3 Claims. (Cl. 299—107.)



3. A blowing device for the purpose described including an elongated body portion having a valve-opening coupling nipple projecting laterally therefrom, said body portion forming a hand grip and having an air outlet passage which extends through said nipple and then longitudinally through the body portion, and a spout connected to said body portion and registering with said passage.

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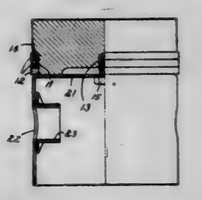
1,557,995. INTERNAL-COMBUSTION-ENGINE PISTON. WILLIAM B. EARNSHAW, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 18, 1923. Serial No. 669,244. 1 Claim. (Cl. 74—108.)

A piston for internal-combustion engines, comprising an aluminum head in the form of a cylindrical block

having a portion of reduced diameter; a sheet metal skirt of larger diameter than the head, the reduced head portion and the upper end of the skirt forming



a groove for a plurality of packing rings; pin bosses secured in said skirt; and means for securing the head and skirt together.

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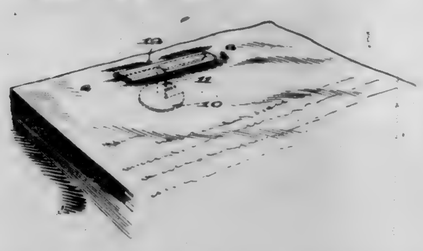
1,557,996. FASTENER. GEORGE HENRY ENNIS, New York, N. Y. Filed Sept. 27, 1924. Serial No. 740,353. 3 Claims. (Cl. 24—153.)



1. In a fastener of the character described, a base comprising a flat plate of metal, a penetrating tongue stamped from the base and folded to provide a rounded tubular structure, and a tubular locking bar having a socket for said penetrating tongue.

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1,557,997. HUMIDITY PAN. WARREN JOHN ERICKSON, Chicago, Ill. Filed Oct. 28, 1922. Serial No. 597,629. 2 Claims. (Cl. 237—78.)

1. The combination with a heating radiator, of a humidity pan, a supply pipe in said pan having connection with the outlet end of the radiator to permit water and air to flow from the radiator into the pan, a trap formed in said pipe to prevent the return of air into the radiator, a float valve structure for controlling the flow of water and air from the pipe into the pan, and an automatically operated safety valve structure for further controlling the flow of air and water from the pipe into the pan.

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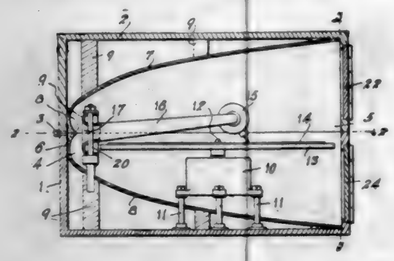
1,557,998. SOUND-REPRODUCING INSTRUMENT. RUSSELL M. EVERETT, Bloomfield, N. J. Filed July 7, 1921. Serial No. 482,902. 5 Claims. (Cl. 274—2.)

2. A sound reproducing instrument, comprising a sound amplifying horn divided longitudinally into two complemental hingedly connected sections, and sound reproducing mechanism mounted within said horn so that the horn serves as a casing for said mechanism and one of said sections serves as a cover to permit access to said mechanism, said sound reproducing mechanism being



mounted to direct sound waves into the small end of said horn so that the sound is discharged by the horn annularly around said mechanism.

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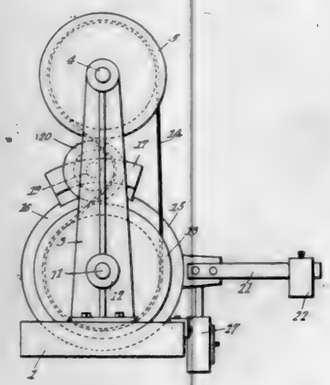
1,557,999. DRIVE-CONTROL MECHANISM. BION B. FARNHAM, Buffalo, N. Y. Filed Mar. 22, 1924. Serial No. 701,120. 2 Claims. (Cl. 192—150.)



1. In a mechanism of the class described, the combination with aliining shafts, spaced pulleys one of which is secured to one of the shafts, and a belt connecting the pulleys, of driven mechanism connected to the other shaft, a weighted rotatable housing mounted upon one of the shafts, an idler movable with the housing and engaging the belt to hold it normally taut, an annular gear rotatable with one of the shafts, an intermediate gear meshing therewith and movable with the housing, and a gear upon the other shaft meshing with the intermediate gear.

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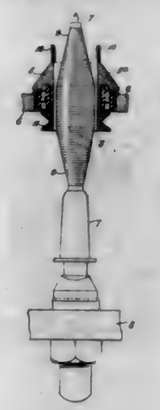
1,558,000. METHOD OF MAKING TUNGSTEN WIRES. HARRY M. FERNBERGER, Asbury Park, N. J., assignor to General Electric Company, a Corporation of New York. Filed Feb. 10, 1922. Serial No. 535,639. 6 Claims. (Cl. 176—132.)

1. The step in the process of producing a tungsten filament substantially free from sagging and off-setting which consists in dissolving tungstic oxide in an alkaline solution containing potassium, obtaining from said solution crystals of a double salt containing potassium and tungsten, and using said crystals for the production of tungsten metal.



1,558,001. MACHINE FOR SPINNING OR DOUBLING YARNS AND THREADS. FRED FERRAND, Southport, England. Filed Dec. 9, 1922. Serial No. 605,813. 4 Claims. (Cl. 118—56.)



1. In machines for spinning or doubling yarns and threads, according to the method referred to, a positively-driven ring mounted in a stationary rail so as to project above and below same, said ring being driven at its lower end below the rail and being provided at its upper end above the rail, with an eye for conducting the yarn or thread to the spindle which is rotatably mounted so as to be rotated by the pull of the yarn or thread and is given a vertical reciprocation and progressive descent or rise to build up the yarn or thread into a cop or bobbin thereon.

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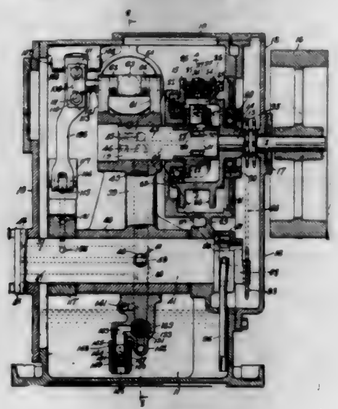
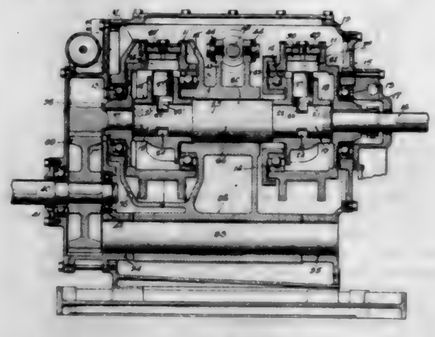
1,558,002. HYDRAULIC TRANSMISSION. WALTER FERRIS, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 21, 1923. Serial No. 682,056. 35 Claims. (Cl. 138—23.)



1. In a hydraulic transmission the combination of a hydraulic motor, a stationary member having a passage communicating therewith, a variable displacement pump, and a second member rockably associated with said stationary member for regulating pump displacement, said second member having a fluid passage therein communicating with said pump and with said first named passage.

1,558,003. HYDRAULIC TRANSMISSION. WALTER FERRIS, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 24, 1924. Serial No. 701,354. 8 Claims. (Cl. 60—53.)



1. In a hydraulic transmission the combination of a variable displacement pump, a hydraulic motor driven thereby, an adjustable support for said motor, and a member connected with said pump and movable with said support for varying pump displacement.

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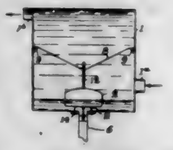
1,558,004. SEPARATOR. ERNEST FEUGÈRE, Boulogne-sur-Seine, France. Filed Oct. 14, 1922. Serial No. 594,531. 1 Claim. (Cl. 210—54.)



In a separator for treating carburetting liquid, the combination with a casing having an inlet and a discharge pipe attached thereto, of a float in said casing of greater specific gravity than the carburetting material, but less than water, and equipped with a rod, a bell provided on the lower face of said float and adapted to close the said discharge pipe, an annular vessel provided on the said casing and containing a liquid of great density, and adapted to receive the lower rim of the said bell thereby forming a water tight seal around the same, thus preventing the liquid in the vessel from being spilled, and a partition in said casing having a central opening therein for said rod and forming a guide therefor.

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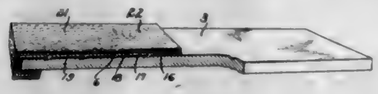
1,558,005. CONSTRUCTION MATERIAL. DOZIER FINLEY, Oakland, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a Corporation of Delaware. Filed Aug. 18, 1921. Serial No. 493,344. 1 Claim. (Cl. 108—8.)

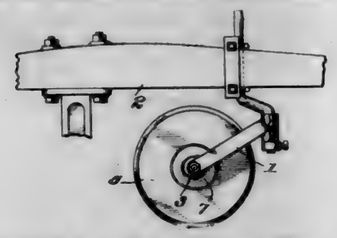


A covering unit comprising a wooden base, a priming coat of low melting point bituminous compound on said base, barb raised on said coated base, and an armoring plate of high melting point bituminous compound united to said base by said priming coat and said barbs.

1,558,006. VACUUM CLEANER. PEDER ANDERSEN FISKER, Copenhagen, Denmark, assignor to Messrs. Fisker & Nielsen A/S, Copenhagen, Denmark. Filed Mar. 22, 1922. Serial No. 545,648. 4 Claims. (Cl. 15—16.)

4. An improvement in vacuum cleaners of that kind which are held by the hands during the cleaning comprising a filter chamber and a machine chamber, means for detachably connecting the two chambers, a filter completely contained in the filter chamber said filter chamber being provided with a cylindrical extension for the attachment of a nozzle, an intermediate plate dividing the machine chamber into two compartments, a motor and an axially aligned suction fan in the other compartment, peripherally located means maintaining the intermediate plate in position and securing the two compartments to each other, said compartments joining each other along the edge of the intermediate plate.

1,558,007. COLTER-WHEEL BRACKET. WILLIAM S. FREDERICK, Cylinder, Iowa. Filed June 11, 1923. Serial No. 644,745. 1 Claim. (Cl. 97—209.)



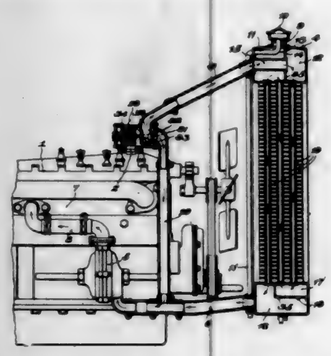
A mounting for rolling colters comprising a pair of parallel arms, a shaft carried by the arms, a pair of oppositely disposed sleeves arranged on the shaft, opposed annular flanges formed on the inner ends of the sleeves, a colter disposed on the shaft and held between the flanges, and a pair of hub members arranged on the sleeve and disposed upon opposite sides of the colter, such hub members being provided with opposed flared ends which engage the colter and the ends of the hub members being provided with notches which receive the ends of the arms.

1,558,008. SEALING LIQUID FOR COMPRESSED-AIR CONTAINERS AND METHOD OF MAKING THE SAME. SAMUEL FREEDMAN, Philadelphia, Pa. Filed June 24, 1924. Serial No. 722,075. 2 Claims. (Cl. 134—17.5.)

1. The herein described method of making a sealing liquid for compressed air containers consisting in mixing glue, saw dust, sodium carbonate, rubber shavings and resin, and cooking 20 to 26 parts of the mixture in about 5 pints of water until the total compound is reduced to about 2 quarts.

1,558,009. COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. JEAN V. GIESLER, Knoxville, Tenn., assignor to The Fulton Company, Knoxville, Tenn., a Corporation of Maine. Filed Oct. 20, 1919. Serial No. 331,893. 15 Claims. (Cl. 123—178.)

1. In a cooling system for an internal combustion engine, in combination with the engine jacket, a system for circulating a liquid cooling medium through said jacket including means for controlling circulation of the cooling medium through the system so as to maintain said medium in the jacket at a relatively high temperature at which vapor may be formed therefrom and a radiator in communication with said jacket and constructed to cause the cooling medium to traverse the same at least once in the direction of a major dimension thereof before being vented to the atmosphere, whereby any vapor from said medium is condensed before it can escape.



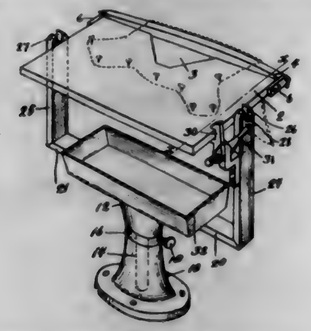
1,558,010. FUSE PLUG. ANTON GOEMANN, Baltimore, Md., assignor of one-half to Paul A. Bokel, Baltimore, Md. Filed Dec. 22, 1924. Serial No. 757,430. 2 Claims. (Cl. 200—125.)

1. A multiple fuse plug comprising, in combination, a body of insulating material having a plurality of longitudinal passages concentrically arranged, and a depression about one of the openings of each passage, a metallic shell mounted on the surface of said body, a plurality of fusible elements mounted in said passages, each in electrical contact with said shell, a contact plate seated in each depression and in electrical connection with the respective elements, a disk-like head of insulating material, a metallic disk secured to a surface of said head, a conductor secured to and projecting from said metallic disk journaled in the body and projecting therefrom to provide a central plug contact, a spring finger struck from the material of said disk and adapted to enter said depressions upon revolution of the head to place the contact plates in electrical connection with the conductor.

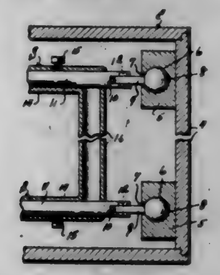
1,558,011. SUPPORT FOR STRETCHING AND DRYING SKINS. LOUIS H. HAMBL, Haverhill, Mass. Filed Nov. 20, 1923. Serial No. 675,803. 10 Claims. (Cl. 149—21.)

2. A device for supporting skins comprising a flat holder having its opposite sides adapted for the attachment of the end portions of the skins thereto and a rail extending longitudinally of one edge of the holder and pivotally mounted thereon to swing about a longitudinal axis towards either side from a middle position as the skin is drawn thereover from one side to the other, said rail being arranged to extend transversely beyond each side to support the skin out of contact with the adjacent portions of said sides.



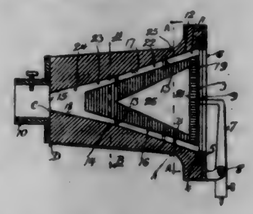


1,558,012. CABINET BED. OLIVER C. HENRY, Pocatello, Idaho. Filed Apr. 12, 1924. Serial No. 706,063. 2 Claims. (Cl. 5—151.)



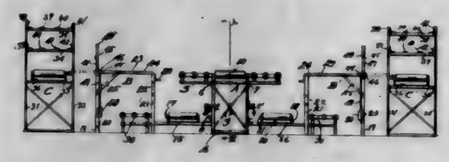
1. A device of the class described comprising a cabinet having a face open, vertically disposed guideways carried by the opposite face of the cabinet, arms slidably engaged within said guideways, rods pivotally engaged with said arms, a foldable bed structure comprising side rails with which the rods are telescopically engaged, said bed structure when compacted being housed within the cabinet, and means for holding the rods and side rails against relative movement.

1,558,013. REPRODUCER FOR PHONOGRAPHS. CHARLES G. HENSLEY, Brooklyn, N. Y. Filed June 30, 1919, Serial No. 307,692. Renewed Jan. 21, 1925. 13 Claims. (Cl. 274—27.)



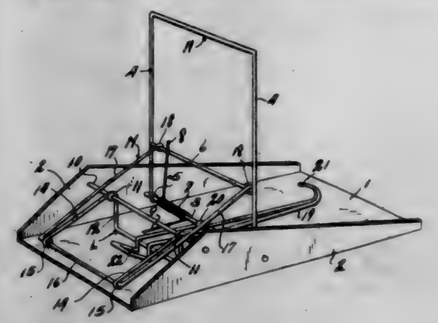
1. A reproducer comprising a shell having a tapered space therein, a diaphragm at the larger end thereof and a core member in said shell and spaced from said diaphragm and shell to provide an air or sound space, the inner surface of said shell tapering on a more obtuse angle relatively to the plane of the axis of the bore of the shell near the larger end of the shell and tapering on a more acute angle relatively to said plane near the smaller end of the shell.

1,558,014. CONVEYING AND PACKING TABLE. WILLIAM H. JAENICKE, San Francisco, Calif., assignor to Mailler Searles, Incorporated, San Francisco, Calif., a Corporation of California. Filed July 17, 1923. Serial No. 652,098. 6 Claims. (Cl. 198—19.)



1. An apparatus as described comprising a conveyer table, several series of substantially horizontal rollers at the side of the conveyer, a packing stand with a clear space at the ends and on both sides of its upper portion spaced from each set of rollers, an angle bar connecting the packing stands and forming a support for filled boxes in conjunction with one of the rollers at the side of the conveyor, a roller support for a cull receiving box under each packing stand and a roller conveyor below the side box supporting rollers, the clear space at the end of the stand allowing the boxes to be dropped down directly on the lower conveyor.

1,558,015. TRAP. JOHN T. JONES, Stanford, Ky. Filed Feb. 26, 1925. Serial No. 11,829. 5 Claims. (Cl. 43—81.)

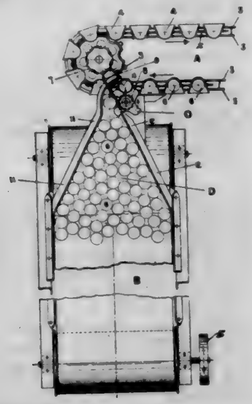


1. A trap comprising a base member provided with spaced outstanding walls, a jaw positioned between and pivotally supported by the walls, means for forcibly throwing the jaw toward the base member, a rod extending between and supported by the outstanding walls, a substantially U-shaped frame having its side arms freely engaged with the jaw, a substantially U-shaped trigger loop having side members pivotally engaged with the rod, the pivoted portions of said side members being continued by angularly related arms, the extremities of said arms being pivotally connected with the intermediate portion of the frame, a trigger engageable with the loop member when in one position to hold the jaw in set position.

1,558,016. CONVEYING DEVICE. KARL KIESER, Cincinnati, Ohio. Filed July 10, 1920. Serial No. 395,190. 6 Claims. (Cl. 198—31.)

1. In a conveying device, a conveyor holding articles in single file at regular intervals, a star wheel engaging the articles on said conveyor and taking the articles therefrom, a continuously moving collecting con-

veyor, and fixed means engaged by the articles whereby said star wheel spreads said articles across said collecting conveyor.



2. In a conveying device, a supply conveyor and a receiving conveyor, a rigid spreading plate, and lateral guides diverging along said plate from said supply conveyor to said receiving conveyor.

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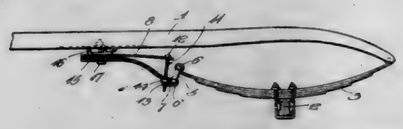
1,558,017. RECOIL-ABSORBING SPRING SUSPENSION. HERBERT KINTZ, Sharpsburg, Pa., assignor of forty-nine per cent to Eugene C. Mosti, Bridgeville, Pa. Filed Sept. 18, 1924. Serial No. 738,473. 4 Claims. (Cl. 267—45.)



1. A recoil absorbing spring suspension comprising a main leaf spring, an auxiliary leaf spring having a free end connected to one end of said main spring, a recoil absorbing leaf spring having a free end spaced vertically from the free end of said auxiliary spring, and connecting means between the free ends of said auxiliary spring and said recoil absorbing spring permitting movement of the former toward the latter but serving to limit the movement of the auxiliary spring away from the recoil absorbing spring.

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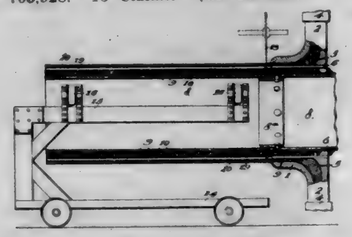
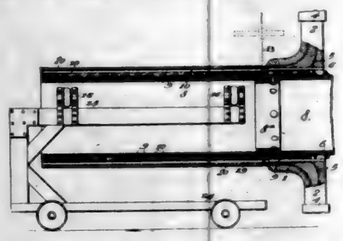
1,558,018. APPARATUS FOR MAKING CUSHION TIRES. HENRY MILLER LAMBERT, Portland, Oreg., assignor to Lambert Tire & Rubber Co., Akron, Ohio, a Corporation of Arizona. Filed Apr. 11, 1924. Serial No. 705,928. 15 Claims. (Cl. 18—13.)



1. In tire making apparatus, a tubular die having provisions for expressing a seamless tube of rubber, and a mandrel adapted to carry a series of rims thereon through the die to receive the envelope of rubber.

1,558,019. METHOD OF MANUFACTURING CUSHION TIRES. HENRY M. LAMBERT, Portland, Oreg., assignor to Lambert Tire & Rubber Co., Akron, Ohio, a Corporation of Arizona. Filed Apr. 11, 1924. Serial No. 705,929. 8 Claims. (Cl. 18—59.)



1. In a method of manufacturing cushion tires, the steps which consist in arranging a series of rims adjacent one another with their axes substantially coincident, and covering the mass with an envelope of rubber of the thickness of the desired tire-blank, then cutting the envelope in planes normal to the axis of the rims and between adjacent rims thereby to separate the mass into individual rim-tire blanks.

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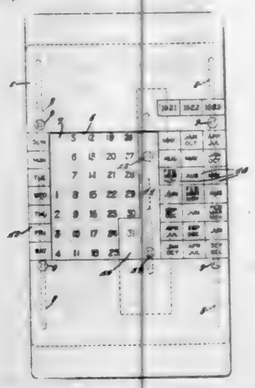
1,558,020. CALENDAR. PAUL O. LAUER, Easton, Pa. Filed Nov. 10, 1921. Serial No. 514,866. 1 Claim. (Cl. 40—109.)



A calendar including a body portion having a central cut out portion, the portion of the body adjacent to the side edges of the cut out portion being ruled to provide columns for the reception of indicating characters indicating the days of the week and the months of the year, a movable member having numbers and having elongated openings formed therein, rivets carried by the body portion and disposed in the elongated openings to slidably connect the body portion and movable member, and a movable member having elongated openings movable between the body portion and first mentioned movable member, rivets carried by the first mentioned movable member and disposed in the elongated openings of the last mentioned movable member, and the last mentioned movable member having a shoulder formed on one of the side edges thereof, and said shoulder adapted to be moved to align with the numbers on the first mentioned movable member.

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1,558,021. SAFETY RAZOR. JOHN J. LIBI, San Francisco, Calif. Filed May 6, 1925. Serial No. 28,331. 3 Claims. (Cl. 30—12.)

1. A razor comprising, in combination, a handle bearing resilient blade-engaging tines, and a blade provided with slots adapted to be engaged by said blade-engaging tines, one of said tines bearing locking means adapted for

engagement with the blade, said tines being adapted to normally engage and rest in the blade slots and, upon compression, to be removed therefrom.

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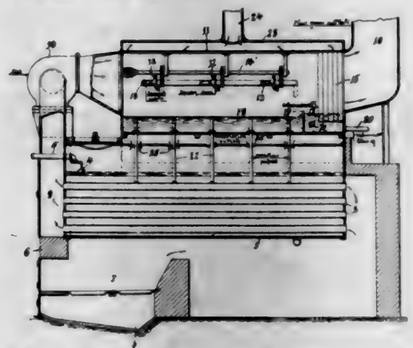
1,558,022. METHOD OF EVAPORATION. ADOLPH W. LISSAUER, Louisville, Ky., assignor to Louisville Drying Machinery Co. Inc., Louisville, Ky., a Corporation of Kentucky. Filed July 29, 1924. Serial No. 728,849. 4 Claims. (Cl. 159—48.)



3. In a method of evaporation or concentration, steps which consist in bringing a liquor into heat exchange with products of combustion so that the products of evaporation from the liquor do not mix with the products of combustion, forming a current of flue gases resulting from combustion and free of vapors from the liquor, and spraying into the said current of flue gases of the said liquor.

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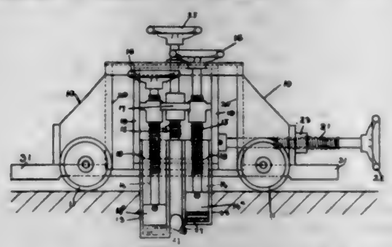
1,558,023. MACHINE FOR PLACING METAL REENFORCEMENT. JOHN WILLIAM LIVERSEDGE, Halton, near Leeds, England. Filed Nov. 6, 1924. Serial No. 748,123. 4 Claims. (Cl. 94—39.)



1. An apparatus of the character described, comprising a movable carriage, means carried by said carriage for supporting a plurality of reenforcing elements in spaced parallel relation, means for raising and lowering said supporting means, and means for moving the supporting means horizontally with relation to the carriage.

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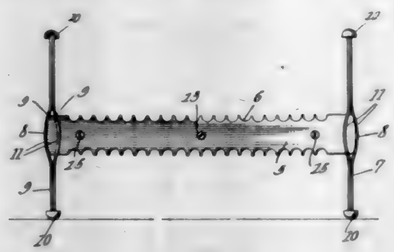
1,558,024. BRIDGE FOR BILLIARD CUES. GUST LOGAN, Elmore, Ohio. Filed Mar. 28, 1925. Serial No. 19,137. 2 Claims. (Cl. 273—23.)



1. A bridge including spaced leg members, a body portion having its ends connected with the leg members, said body portion having a plurality of semi-circular cut out portions formed in its side edges, and a handle connected with the body portion.

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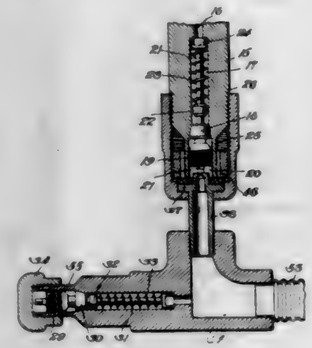
1,558,025. TIRE-VALVE ATTACHMENT FOR DUAL TIRES. HERBERT V. LUDWICK, Philadelphia, Pa., assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 2, 1921. Serial No. 497,855. 3 Claims. (Cl. 152—12.)



1. The combination with a wheel comprising a pair of discs each carrying a tire having the usual tire valve, an inflating tube carried by said wheel, a fitting at the outer end of said tube, a check valve in said fitting, and coupling members detachably connecting the tube to said tire-valves and holding the tire-valves open.

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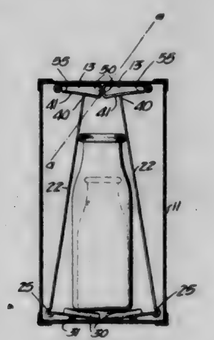
1,558,026. MILK-BOTTLE RECEPTACLE. CLARENCE W. LYONS, Los Angeles, Calif., assignor of one-half to Lois K. Kimball, Los Angeles, Calif. Filed June 18, 1923. Serial No. 646,129. 4 Claims. (Cl. 232—41.)

1. In a receptacle of the class described, the combination of: a housing providing a chamber to which communication is gained through an opening in the top of said housing; lever members extending upwardly on opposite sides of and within said chamber, said lever members having inwardly projecting shelves at their

lower ends and being pivoted at their lower ends so that the upper ends of said lever members will swing inwardly when said shelves are depressed; and a door member pivoted at each side of



said opening and adapted to hang down in front of the upper end of one of said lever members, the under faces of said doors being arcuated to conform with the arcs described by the upper ends of said lever members as they swing inwardly.

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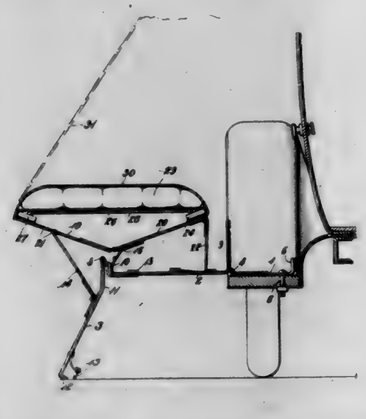
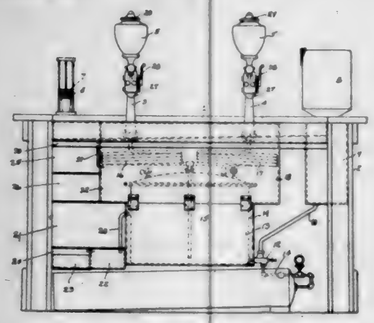
1,558,027. AUTOMOBILE BED ATTACHMENT. JOHN A. MCBRADY, St. Paul, Minn. Filed Oct. 20, 1923. Serial No. 671,791. 5 Claims. (Cl. 5—119.)



1. An automobile bed attachment comprising foldable supporting brackets attached to the running board of the automobile and adapted to be either folded up upon the running board or extended outwardly therefrom, said brackets including attaching sections and leg sections, a collapsible bed frame carried by the said brackets and positioned thereon so as to be enfolded between the said leg sections and the attaching sections when the latter are folded up upon the running board, said attaching sections having upstanding extremities provided with openings and said leg sections having angularly disposed apertured ends adapted to penetrate the said openings when the brackets are folded, and a locking pin carried by each leg section for insertion in the aperture of the said angular end of the latter when the same has penetrated the said opening.

1,558,028. DRINK-DISPENSING STAND. HARRY J. MCCUE, Cleveland, Ohio, assignor to The H. J. McCue Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 30, 1922. Serial No. 597,825. 1 Claim. (Cl. 225—28.)



In apparatus of the character described, the combination of a dispensing stand, an ice-receiving cooling chamber mounted therein, a well forming a bottom extension of said cooling chamber, a cooling coil mounted in said chamber, a carbonator seated in said well and projecting into said cooling chamber, and a drain conduit leading from said well adjacent the upper edge thereof.

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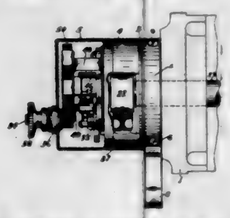
1,558,029. IGNITION-CIRCUIT BREAKER. ALBION D. T. LIBBY, East Orange, and SAMUEL C. MCKEOWN, Newark, N. J., assignors to Splitdorf Electrical Company, Newark, N. J. Filed Jan. 25, 1921. Serial No. 439,717. 1 Claim. (Cl. 200—30.)



In a circuit breaker, a breaker base, a base plate adjustable thereon and secured thereto, a cam cover mounted on said base plate, means for securing said cam cover to said base plate, an insulated bracket plate mounted on the cam cover, a grounding post mounted on said bracket plate, said grounding post being rigidly held in place in electrical engagement with the insulated bracket plate, a circuit breaker cover mounted on the cam cover positioned by and insulated from the grounding post, means for securing the last mentioned cover in place, a plurality of studs mounted on the base plate, a bearing mounted on one stud having rigidly secured thereto a bumper arm, a bumper in said arm, a cam mounted on a shaft extending into the cam cover cooperating with said bumper, spring means secured to the bumper arm and the remaining stud to urge the bumper into engagement with the cam, said bearing extending through a packed opening into the compartment enclosed by the circuit breaker cover, and a contact carried by said bearing cooperating with a contact mounted on the bracket plate.

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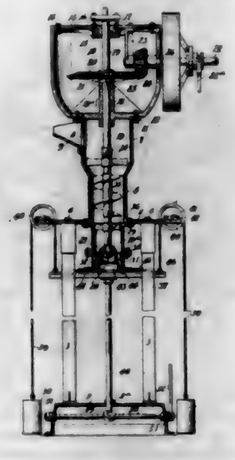
1,558,030. MOLDING APPARATUS FOR THE MANUFACTURE OF TUBULAR EARTHENWARE OR STONEWARE ARTICLES. MICHAEL MARTIN, Ballarat, Victoria, Australia. Filed Aug. 19, 1924. Serial No. 732,910. 7 Claims. (Cl. 25—39.)

1. In apparatus for the manufacture of earthen or stoneware pipes, a charging barrel, the stationary die



affixed to said barrel, a rotatable shaft extending through said barrel, feed devices mounted on said shaft and rotatable therewith, a core fitted to said shaft and ro-



tatable therewith, and an inner mold member adapted to be rotated by the force-fed material when said inner mold-member is separated from said core.

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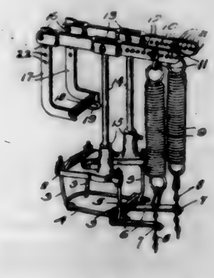
1,558,031. ATTACHMENT FOR PUMPS. HENRY MASBRUCH, Platteville, Wis. Filed Mar. 24, 1925. Serial No. 17,944. 5 Claims. (Cl. 74—71.)



1. In an attachment for pumps, the combination of a bracket, means for attaching the bracket to a pump head, posts on the bracket, pivotally mounted arms on the ends of the posts, the aforesaid arms extending in the same direction and being disposed in a spaced parallel relation to each other, means operatively connecting the ends of the arms with the pump rod to cause the arms to move synchronously with the pump rod, springs adjustably suspended from any one of several apertures in the other ends of the pivoted arms, and means for fastening the lower ends of the springs against upward movement under tension.

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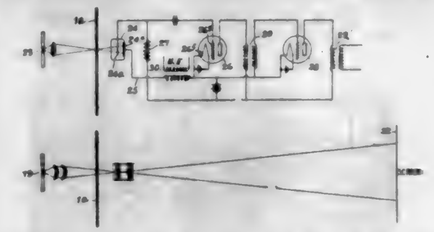
1,558,032. ARRANGEMENT FOR ACOUSTIC CINEMATOGRAPHY. JOSEPH MASSOLLE, Grunewald, HANS VOGT, Berlin-Schoneberg, and JOSEF ENGL, Grunewald, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Filed Apr. 4, 1921. Serial No. 458,629. 3 Claims. (Cl. 179—100.1.)

1. In acoustic-cinematographic apparatus, including an electric device adapted to cause electro-magnetic disturbances in adjacent electrical apparatus, the combination of means for producing an acoustically-modulated electric current, thermionic amplifying means and



coupling means between various of said means constructed to prevent the disturbing effect of said device in the circuit of said amplifying means.

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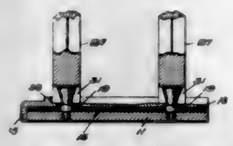
1,558,033. SAFETY RAZOR. HARLAN J. MAYNARD, Newton, Mass., assignor to Specialty Sales Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 17, 1923. Serial No. 669,071. 11 Claims. (Cl. 30—12.)



2. A safety razor having blade holding means, a substantially rigid detachable handle having branched ends, an interlocking formation presented by the blade holding means, and a cooperative interlocking formation on each end of the handle, the latter being adapted by a bodily sliding movement of the ends of the handle in the same direction to engage with the blade holding means and bind the parts together.

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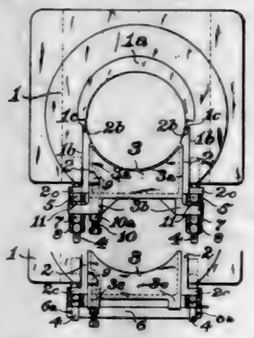
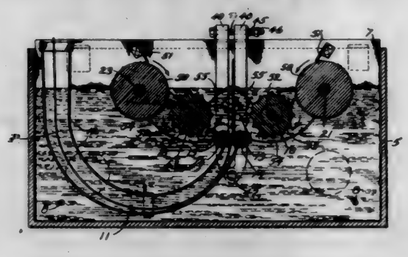
1,558,034. LOCOMOTIVE DRIVING BOX. CARL J. MELLIN, Schenectady, N. Y.; The Schenectady Trust Company executor of said Carl J. Mellin, deceased. Filed Feb. 11, 1924. Serial No. 691,878. 5 Claims. (Cl. 308—83.)



1. The combination of a locomotive driving box; a crown brass therein; supplemental bearings, slidable on the vertical inner faces of the driving box, below its horizontal axial plane; and adjusting means, comprising bolts, the heads of which are seated in recesses in the said faces of the box, and the bodies of which pass through outwardly projecting lugs on the sides of the supplemental bearings.

1,558,035. METAL-COATING APPARATUS. EDWIN ROSS MILLRING, Orange, N. J., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Apr. 2, 1925. Serial No. 20,220. 14 Claims. (Cl. 91—12.6.)



1. The combination with means for supporting a bath of molten coating-metal, of means continuously removing dross from its surface at the position where coated material emerges from said bath.

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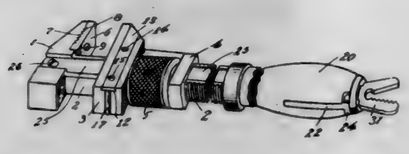
1,558,036. TOOL. ROBERT E. MOFFITT, Cincinnati, Ohio. Filed Mar. 23, 1925. Serial No. 17,575. 6 Claims. (Cl. 7—7.)



1. In a tool of the character specified, provided with an operating handle and a shank portion, a fixed outer jaw on said shank, and a movable inner jaw thereon, with means for adjusting and holding the movable jaw with relation to the outer jaw, the movable jaw being grooved longitudinally with a slidable bar carrying a projecting stud seated in said groove, and an arm pivoted to the handle with a corresponding stud thereon, said bar and arm adapted to be projected to form a frame for a saw blade, with the jaw adjusting means adapted to tighten said frame.

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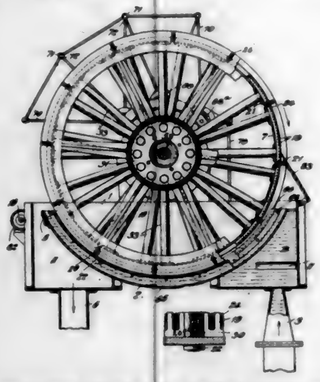
1,558,037. SURGICAL NEEDLE AND SUTURE ASSEMBLY AND METHOD OF MAKING THE SAME. HARRY D. MORTON, New York, N. Y. Filed June 17, 1925. Serial No. 37,599. 19 Claims. (Cl. 128—339.)

1. The method of attaching a suture to a needle which consists in forming in said needle a blind recess having a constricted opening, inserting an end of a suture in said recess and thereafter attaching said end to said needle by an anchorage of greater diameter than the constricted opening of said needle.

1,558,038. FILTER. WILLIAM D. MOUNT, Lynchburg, Va., assignor of one-half to Joseph E. Mount, Ithaca, N. Y. Filed May 3, 1923. Serial No. 636,365. 14 Claims. (Cl. 210—201.)



1. In continuous filtering the method which comprises producing linear travel of the filtering surface and passing a stream of the magma to be filtered in the same direction and in contact with said surface.

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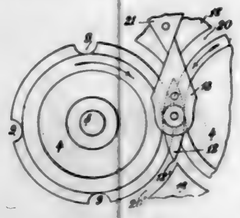
1,558,039. BRAIDING MACHINE. GUSTAVE PERRON, Paris, France. Filed June 30, 1922. Serial No. 571,922. 3 Claims. (Cl. 36—8.)



1. In a braiding machine, a table, a series of horn gears rotatable thereon, means for rotating said gears in unison, spindles driven by said gears, a guiding piece secured to each spindle, stationary guides adapted to coact with said guiding pieces and direct said spindles from one horn gear to the adjacent horn gear, and other stationary guides adapted to coact with said guiding pieces and maintain the spindles on the horn gears with which they are associated when such conction takes place.

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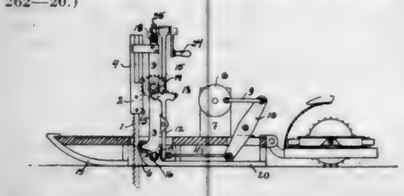
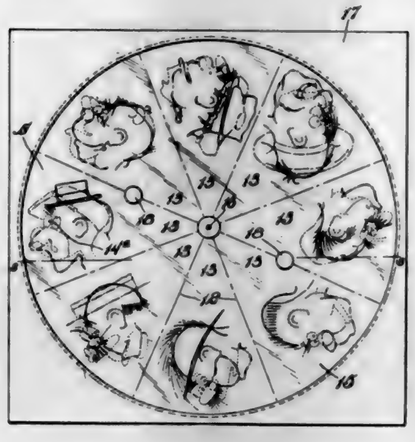
1,558,040. MECHANICALLY-WORKED ICE SAW. ERNST EMIL PETERSEN, Copenhagen, Denmark. Filed Nov. 26, 1923. Serial No. 677,019. 5 Claims. (Cl. 262—20.)



1. A mechanically operated ice saw comprising, a sleigh, a saw, a saw guide pivoted at one end to the sleigh, a slide connection between the saw and the guide, and means for maintaining the saw in vertical position regardless of tilting of the sleigh.



1,558,041. DRAWING DEVICE. HAROLD PHARES, Elizabeth, N. J. Filed Nov. 25, 1924. Serial No. 752,201. 6 Claims. (Cl. 35—12.)



1. A drawing device comprising a base having thereon a series of outline figures, a transparent sheet superposed on the base and having thereon a series of figures in outline, the superposed sheet being adjustable to carry any of its figures into superposed approximately registering relation to any of the figures on the first sheet whereby a tracing may be made of the composite outlines.

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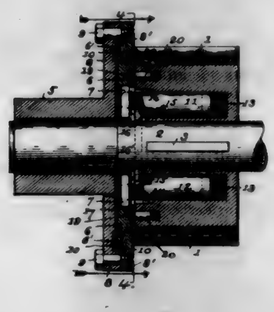
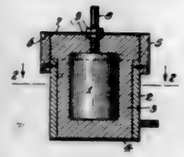
1,558,042. SAFETY MECHANISM FOR HOISTING APPARATUS. EDWARD J. POWERS, Oak Park, Ill. Filed Apr. 20, 1925. Serial No. 24,382. 6 Claims. (Cl. 192—15.)



1. In a safety mechanism of the type described, the combination of a fixed support, a power shaft journalled in said support, a driven member mounted on said shaft, means for permitting limited independent turning movement between said shaft and driven member, a ratchet disk carried by the fixed support, reversely arranged pawls carried by the driven member for stop engagement with said ratchet disk, cam projections on the power shaft having alternating engagement with said pawls to retract the same, and an orificed guard disk associated with the power shaft and driven member for alternating retracting engagement with said pawls.

1,558,043. ELECTRICAL CONDENSER. WILLIAM H. PRIESS, Belmont, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed Apr. 28, 1921. Serial No. 465,137. 7 Claims. (Cl. 250—41.)



1. In an electrical condenser, concentric metal armatures, the outer armature constituting a casing, a cover of insulating material for said casing, a terminal projecting centrally through said cover and connected to an inner terminal, and an embedment of sulfur within said casing.

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1,558,044. CLOSURE FOR COLLAPSIBLE TUBES AND OTHER RECEPTACLES. HAROLD E. ROBERTS, Overbrook, Pa. Filed Sept. 10, 1924. Serial No. 736,859. 8 Claims. (Cl. 221—60.)

1. A closure for a receptacle, comprising a head having an internal passage extending from its base to its exterior surface and there terminating in a discharge orifice, a cap adapted to seat over said orifice, a ball operative to support the cap, means carried by the head adapted to guide the ball when moved with respect thereto, and means on the head operative to draw said ball longitudinally when the ball is forced thereover to thereby seat the cap snugly against the orifice.

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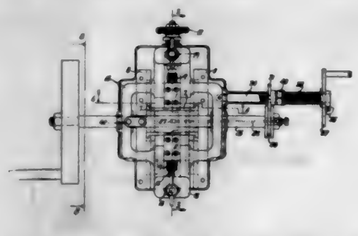
1,558,045. WORKHOLDER AND TOOL MOUNTING FOR USE IN FINISHING BEARINGS. EDWARD F. ROBERTSON, Glasgow, and JOHN H. FRASER, Greenock, Scotland. Filed Sept. 5, 1924. Serial No. 736,019. 4 Claims. (Cl. 77—2.)



3. A work-holding device and tool-mounting of the type refered to, comprising, in combination, a bed, jaws slidable on said bed, a spindle having screw-threads of opposite hand engaging said jaws for effecting relative reciprocating movement of said jaws by rotation of said spindle, said spindle formed with a collar, a sleeve on said spindle threaded into said bed and engageable with said collar, a pintle threaded into said bed and en-

gageable with one end of said spindle, a jaw-clamping frame having at one end arms pivoted to said bed on an axis transverse to the path of movement of said jaws, a swing bolt fitted to said bed and engageable with the opposite end of said frame, and means fitted to said bolt and adapted to bear on said frame.

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1,558,046. METHOD OF PRODUCING OXIDES OF NITROGEN. HENRIK GUSTAV ALLAN RAMSAY, Linkoping, Sweden, assignor to Stockholms Superfosfat Fabriks Aktiebolag, a Corporation of Sweden. Filed Sept. 20, 1923. Serial No. 663,925. 10 Claims. (Cl. 23—162.)

1. Method of producing oxides of nitrogen, consisting in burning solid metallic compounds which contain CN in presence of an oxygen containing gas.

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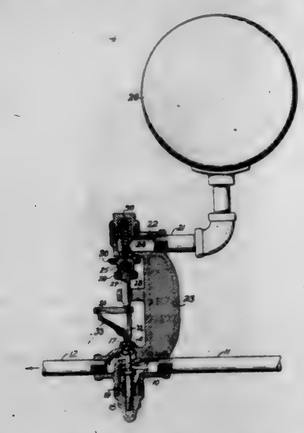
1,558,047. FIRE-CONTROLLING APPARATUS. GEORGE I. ROCKWOOD, Worcester, Mass. Filed Aug. 24, 1920. Serial No. 405,619. 5 Claims. (Cl. 169—2.)



1. A fire control apparatus, having, in combination, a device controlling the supply of liquid fuel to an internal combustion engine, a device controlling the delivery of a fire extinguishing compound to the atmosphere, and a single heat controlled unit effective to positively lock and hold both of said devices in normal position at normal temperature.

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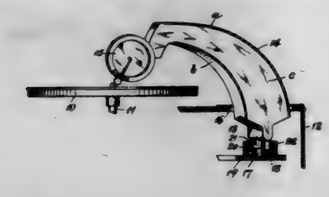
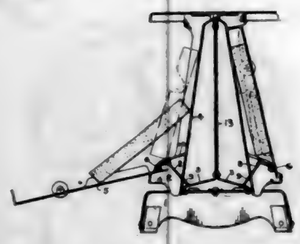
1,558,048. PHONOGRAPH. HERMAN ROTHKIRCH, New York, N. Y. Filed Nov. 8, 1921. Serial No. 513,747. 1 Claim. (Cl. 274—23.)



In a phonograph, a tone arm of unbroken curved continuity constructed of wood, said tone arm being of polygonal cross-section and having its walls curved in lengthwise directions and also bowed outwardly at predetermined points in transverse directions to place the wood fibres under tension.

1,558,049. TOASTER. EDWIN A. RUTENBER, Milwaukee, Wis., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 28, 1924. Serial No. 716,335. 7 Claims. (Cl. 53—5.)



1. In a device of the character described, the combination with a grate disposed in plane approximately parallel with an upright heating element and means for holding articles against said grate, of a laterally disposed support for articles to be toasted, such as slices of bread, said support extending outwardly and downwardly, and having connected therewith a depending member extending below the same and forming a damper to prevent upward draft.

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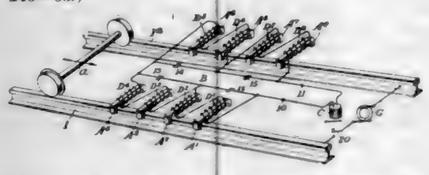
1,558,050. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HARRY M. RYDER, Forest Hills Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed May 2, 1924. Serial No. 710,520. 5 Claims. (Cl. 246—63.)



1. Vehicle carried receiving apparatus comprising a plurality of receiving elements in inductive relation with the track rails, each such element being tuned to approximate resonance at the same frequency, and all said elements being so connected that voltages induced in said elements by alternating currents flowing in opposite directions in the two track rails are additive.

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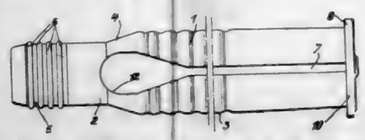
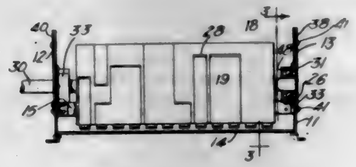
1,558,051. BOBBIN CASING FOR LOOMS WITH AUTOMATIC COP-CHANGING MECHANISM. EDWIN SCHOCH, Ruti, Switzerland, assignor to Maschinenfabrik Rüti, formerly Caspar Honegger of Rüti, Zurich, Switzerland. Filed June 23, 1925. Serial No. 39,125. 8 Claims. (Cl. 139—207.)



1. A bobbin casing for tubular cops, for insertion in the shuttles of looms with automatic cop changing mechanism, comprising a sleeve which is provided at one end with rings or pads for insertion into the shuttle and which sleeve is slotted longitudinally from the other end in order to form springy tongues, at least one of the slots being widened at its rear end for the admission of a feeler, and a detachable clamp being adapted to hold together the said springy tongues.



1,558,052. CONTROLLER FOR ELECTRIC MOTOR VEHICLES. JACOB SCHURCH, Los Angeles, Calif., assignor to Benjamin C. Tunison, Pittsburgh, Pa. Filed Sept. 15, 1922. Serial No. 588,490. 4 Claims. (Cl. 200—8.)



1. In a controller, the combination of: a drum; a rotatable shaft for mounting said drum; a pair of suitably spaced supporting members; a bearing receptacle in each of said supporting members, said bearing receptacles each having an open end; a bearing placed in each of said receptacles through said open ends, said bearings rotatably supporting said shaft, there being a channel, of slightly greater width than the diameter of said shaft, extending from the outer edge of each of said supporting members inwardly through one side of each of said bearing receptacles, so as to permit said shaft to be removed radially from said supporting members after the moving of said bearings upon said shaft out of said receptacles.

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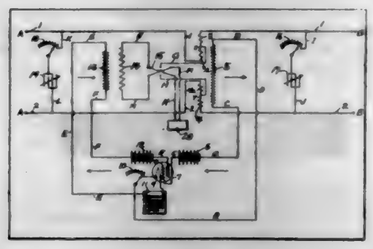
1,558,053. TWO-WAY REPEATER AND AMPLIFIER. WILL G. SEXAUER, San Antonio, Tex. Filed Jan. 25, 1923. Serial No. 614,875. 2 Claims. (Cl. 179—170.)



1. In a two-way repeater and amplifier of voice currents, an input transformer, an output transformer, one of said transformers having a pair of primary coils connected respectively to two lines, means for connecting each of the pair of coils to the secondary coil of the companion transformer, variable balancing circuits on the remote sides of the two transformers, and means for connecting in a receiving instrument on said first means.

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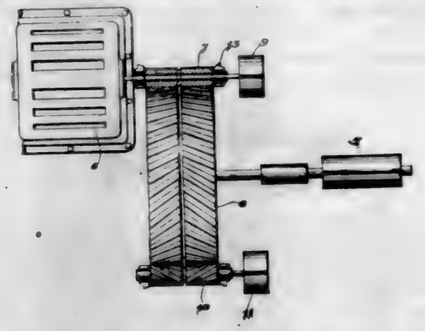
1,558,054. GEAR DRIVE. IRA SHORT, Essington, Pa., assignor, by mesne assignments, to Westinghouse Gear and Dynamometer Company, a Corporation of Pennsylvania. Filed Jan. 3, 1923. Serial No. 610,527. 2 Claims. (Cl. 74—7.)

1. The combination with means providing a torque load subject to abrupt vibration, of means for driving said load including a gear, a plurality of pinions meshing with the gear, said pinions being spaced at substantially equal distances about the periphery of the gear,



a plurality of freely rotatable inertia members driven by the respective pinions, and driving means connected to one of said pinions.

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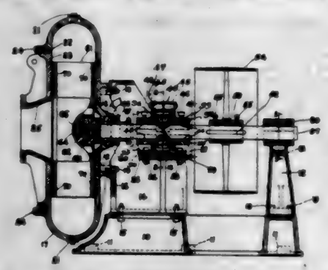
1,558,055. PUMP. GEORGE SMITH, Baltimore, Md., assignor to Ellicott Machine Corporation, Baltimore, Md., a Corporation of Delaware. Filed Aug. 30, 1924. Serial No. 735,107. 2 Claims. (Cl. 103—11.)



1. In a pump, a pedestal bracket, a thrust and radial bearing adjustably carried by said bracket, an annular runner casing, also carried by said bracket having an axially located inlet port and a tangentially extending outlet port, releasable means for adjustably securing said casing to said bracket with its outlet port extended in any one of a plurality of radial directions, said casing being rigidly spaced from the bearing by an intermediate portion of the bracket, a driven shaft entirely supported by said bearing at its end closely adjacent the pump casing and projecting axially into said casing, a thrust element secured to the shaft having a pair of end faces engaging said thrust bearing, and a runner secured to said shaft within said casing.

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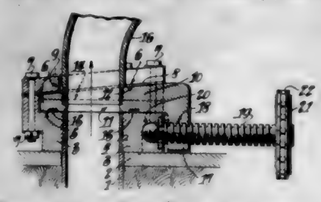
1,558,056. WELL CAPPER AND FLOW DISTRIBUTOR. GEORGE F. SOCKMAN, Woodlawn, Pa. Filed Mar. 5, 1925. Serial No. 13,286. 10 Claims. (Cl. 166—15.)



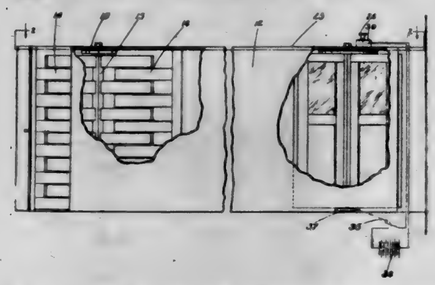
1. Apparatus of the class described comprising a gate movable over the discharge end of a well casing and having a passage therethrough adapted to be brought

into registration with said casing, a distributor pipe adapted to communicate with the well casing through the gate aperture and which is carried by and movable with said gate.

1,558,057. WATER-PAN ALARM. LEO SOMMER, St. Lin, Quebec, Canada. Filed Oct. 24, 1924. Serial No. 745,664. 2 Claims. (Cl. 116—109.)

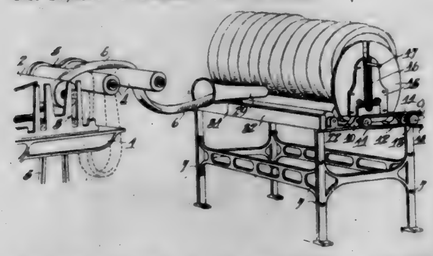
2. In a water pan alarm, a double horseshoe wire loop forming base and pan rest loops, the latter having a minor finger loop a finger projecting from a sleeve adjustably mounted on said finger loops, said loops being formed in a continuous length of wire, and a bell secured to ends of said base loop and having a press button adapted to be engaged by said finger, said horseshoe loops being joined at the extremities of the horseshoe.

1,558,058. SAFETY VESTIBULE. EDWIN EGMONT SPOTTSWOOD, Cincinnati, Ohio. Filed Jan. 2, 1925. Serial No. 116. 9 Claims. (Cl. 20—1.01.)



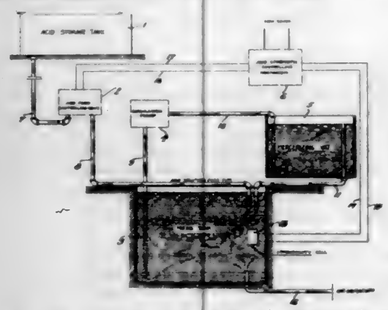
1. In a device of the class described the combination with a casing having a pair of longitudinally disposed noncommunicating corridors therein, a revolving door controlling entrance to and exit from the casing at one end, a turn stile structure controlling exit from one of the corridors and entrance to the other of the corridors at the opposite end of the casing, and controllable means for locking the revolving door against movement whereby a locked chamber is provided in the second mentioned corridor.

1,558,059. ROLL-WINDING DEVICE. MAURICE JOSEPH STACK, Cohoes, N. Y. Filed Mar. 16, 1925. Serial No. 16,080. 3 Claims. (Cl. 19—158.)



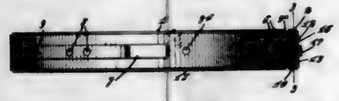
2. A roll winding device comprising a supporting framing, winding and supporting rollers mounted upon the framing, a winding core adapted to rest upon the winding and supporting rollers for receiving the roll being wound and to be supported and rotated by said rollers for effecting the winding of said roll, vertically slotted wings for abutting the roll ends and for guiding vertical movement of the core as said roll is wound, said core comprising a hollow cylindrical core adapted to remain in the wound roll and a supporting rod suitably spaced centrally removably therein and having its ends vertically movable in the slots of the wings, and means for imparting rotation to said winding and supporting rollers.

1,558,060. ACID-CIRCULATING SYSTEM FOR MERCERIZING YARN. LAWRENCE A. STEAD, Chester, Pa. Filed Aug. 1, 1924. Serial No. 729,446. 2 Claims. (Cl. 23—253.)



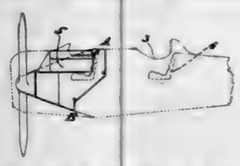
1. An acid circulating system for mercerizing including a storage tank; a solenoid actuated feed-controlling valve; a pipe leading from the storage tank to the valve; a mixing tank; a pipe leading from the valve to the mixing tank; a mercerizing unit; a pump adapted to draw acid from the mixing tank and deliver it to the mercerizing unit; an overflow pipe leading from the mercerizing unit to the mixing tank; a conductivity cell in the mixing tank, and means, controlled by the conductivity cell, for actuating the feed-controlling valve.

1,558,061. AUTOMOBILE BRAKE. THOMAS H. SUTHERLAND, Washington, Pa. Filed Apr. 21, 1924. Serial No. 707,958. 2 Claims. (Cl. 188—249.)



2. A brake band for vehicles having its ends folded outwardly and rearwardly and secured to form bearings, portions of said bearings being cut away intermediate their ends, and cam attaching pins mounted in said bearings and having cotter pin receiving apertures extending transversely therethrough.

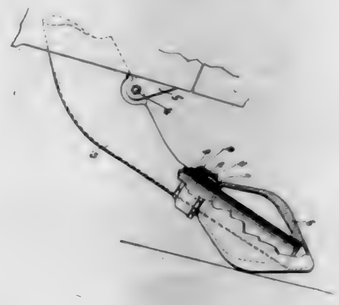
1,558,062. CONVERTIBLE AIRPLANE. BENJAMIN DOUGLAS THOMAS, Ithaca, N. Y., assignor of one-tenth to Thomas-Morse Aircraft Corporation, Ithaca, N. Y., a Corporation of New York. Filed Apr. 14, 1922. Serial No. 552,583. 3 Claims. (Cl. 244—30.)



1. An airplane adapted for use as a single-seater or as a two-seater, comprising a fuselage terminating in front of the single-seater cockpit, and a nose portion, containing a second cockpit and a lighter motor, adapted to be fitted on and secured to the end of the fuselage in place of the nose portion containing a heavier motor.

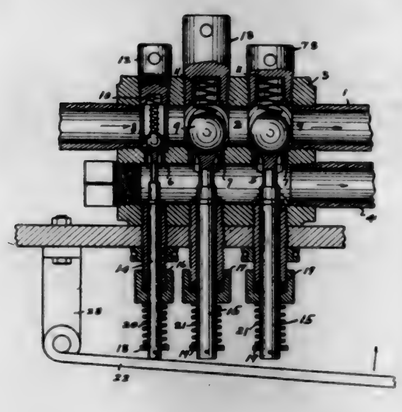


1,558,063. TAIL SKID FOR AIRPLANES. BENJAMIN DOUGLAS THOMAS, Ithaca, N. Y., assignor of one-tenth to Thomas-Morse Aircraft Corporation, Ithaca, N. Y., a Corporation of New York. Filed July 11, 1922. Serial No. 574,140. 7 Claims. (Cl. 244—2.)



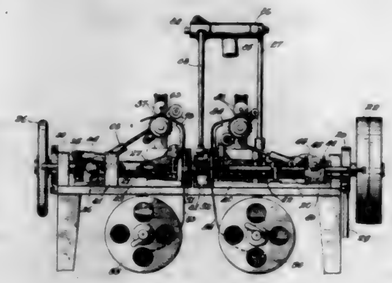
5. In an airplane, a tail skid the rear end of which is cylindrical in cross section, bearings on each end of said cylindrical portion, a hollow shoe of double truncated cone shape mounted to rotate on said bearings transversely to tht axis of said cylindrical portion, and means at the forward end of said shoe to prevent leakage of lubricant from the interior thereof.

1,558,064. PRESSURE-CONTROLLING MECHANISM. HOMER C. THRIFT, Houston, Tex. Filed Dec. 10, 1923. Serial No. 679,656. 7 Claims. (Cl. 277—20.)



1. A device of the character described including a pressure line having a plurality of relief parts, formed with seats, valves controlling said seats, yieldable means normally tending to seat said valves to close said ports, and a common means for unseating the valves successively.

1,558,065. MACHINE FOR ATTACHING STRING FASTENERS TO ENVELOPES. STANLEY B. URBANOWITZ, Chicago, Ill., assignor to American Envelope Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1922. Serial No. 552,657. 37 Claims. Cl. 93—61.)

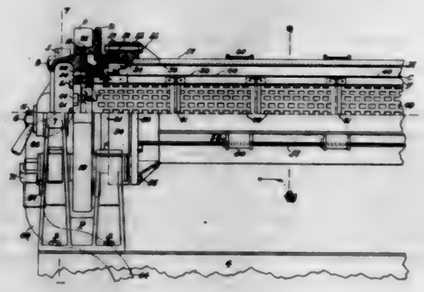


18. String feeding mechanism for machines for securing eyelets, perforated washers and strings to envelopes, comprising an oscillatory arm, string feeding rollers carried by said arm, and devices for rotating said rollers.

1,558,066. METHOD OF MAKING LIGHT METAL ALLOYS. WILLIAM R. VEAZEY, Cleveland, Ohio, and Edward C. Burdick, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Nov. 26, 1921. Serial No. 517,950. 13 Claims. (Cl. 75—1.)

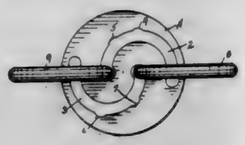
1. In a method of making a light metal alloy in which magnesium largely predominates, the steps which consist in first interfusing the desired amount of the alloying metal with a relatively small quantity of magnesium, and then adding the resulting alloy to the remaining quantity of magnesium in molten state.

1,558,067. MANUFACTURE OF ARTICLES CENTRIFUGALLY. CHARLES WILLIAM WATSON, St. Kilda, Victoria, Australia. Filed June 20, 1923. Serial No. 646,727. 18 Claims. (Cl. 25—30.)



12. An apparatus for forming agglomerate structures comprising a pair of revoluble annuli, a seat carried by each annulus, a second annulus carried by each seat, a mould carried by said second annuli, and a core carried by said seats and comprising a plurality of arcuate sections, interior strengthening ribs for said sections, and wedging means for connecting said sections.

1,558,068. ADJUSTABLE CHAIN LINK. WILLIAM E. WEEKS, Salt Lake City, Utah. Filed Feb. 14, 1925. Serial No. 9,108. 1 Claim. (Cl. 59—84.)

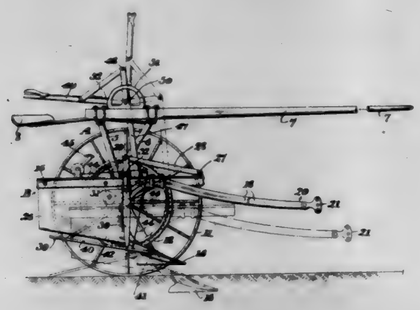


A device of the class described comprising a circular plate having two semi-circular slots cut therein; notches in the outside edges of said slots; and links of a chain engaged with said plate through said slots.

1,558,069. PROCESS OF MAKING COOKING COMPOUND. FRED D. WILLIAMS, Cooperstown, N. Dak. Filed Feb. 15, 1923. Serial No. 619,268. 2 Claims. (Cl. 99—13.)

2. A process for mixing honey with a fatty food compound, which consists in cooling the honey nearly to the granulation point and warming the fatty compound until it may be easily stirred, and then thoroughly mixing substantially equal parts of the two ingredients together by stirring to form an intimate and uniform mixture in which each particle of the fatty compound is thoroughly permeated with and covered by the honey and thereby protected against the air.

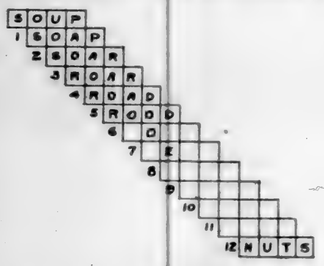
1,558,070. PEANUT DIGGER. CHARLES F. WIRSCHING, Washington, D. C. Filed May 25, 1923. Serial No. 641,347. 5 Claims. (Cl. 55—53.)



1. In a machine of the class described, a main frame, a pair of stub axles carried thereby, a wheel mounted upon each stub axle, a sub-frame pivotally connected to the stub axles interiorly of the main frame and adapted to swing thereabout to be raised or lowered, a plow frame detachably carried by the sub-frame, and manually operated means mounted upon the main frame and connected to the sub-frame whereby the sub-frame may be retained substantially parallel to the surface traversed.

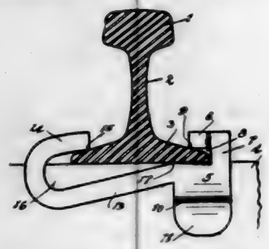
1,558,071. PUZZLE OR GAME. ARTHUR WYNNE, Mountain Lakes, N. J., assignor to King Features Syndicate, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 23, 1925. Serial No. 4,136. 1 Claim. (Cl. 283—1.)

As an improved article of manufacture, a cross word puzzle card embodying a multiple series of stepped enclosures for the reception of letters, there being the same number of enclosures in each horizontal series, each series having thereon a letter to form a basic letter of



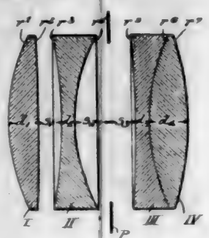

the word to be placed in said series, each series to receive letters to form progressively from the top to the bottom series, different words.

1,558,072. RAIL ANCHOR. WILLIAM A. R. ANGUS, Winnipeg, Manitoba, Canada. Filed Dec. 20, 1924. Serial No. 757,230. 4 Claims. (Cl. 238—330.)



1. A one-piece anchor presenting a vertically disposed body plate having the lower end thereof terminating in an offset pressure plate, a jaw formed at the upper edge of the body plate, an inclining shank extending laterally from the body plate and a jaw formed at the free end of the shank, the latter jaw being contained in the same vertical plane as the body plate.

1,558,073. OBJECTIVE-LENS SYSTEM. WILLIAM F. BIELICKE, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 18, 1922. Serial No. 530,160. 1 Claim. (Cl. 88—57.)

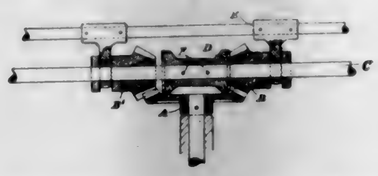


An objective lens system for photographic, microscopic, projection and similar purposes, consisting of four lenses, a collective and a dispersive lens separated by an air space situated on one side of the diaphragm and a dispersive and a collective lens cemented together and situated on the other side of the diaphragm, the cemented collective lens being made of glass having a refractive



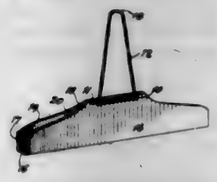
index of not less than 1.61 and the refractive index of the dispersive lens cemented to it being smaller than the refractive index of the collective lens by at least 0.05 but not more than 0.06, the ratio of the power of the lenses composing the front doublet to the power of the lenses composing the back doublet being between 0.10 and 0.35.

1,558,074. SLIDING-JAW CLUTCH. JULIEN A. BRIED, Oakland, Calif., assignor of one-half to Samuel L. Rogers, San Francisco, Calif. Filed Dec. 6, 1921. Serial No. 520,363. 1 Claim. (Cl. 192—67.)



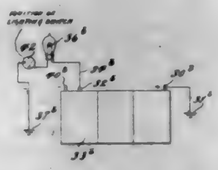
A jaw clutch arrangement comprising a bevel gear fixed to a shaft, a second shaft at right angles thereto, a bevel gear loose on said second shaft in mesh with the first mentioned gear and having its teeth extending beyond the working face thereof, a power transmitting element on said second shaft adapted to engage the extending teeth of the second mentioned gear, and means for holding said element and gear in such engagement.

1,558,075. GARMENT HANGER. ISABEL N. CAVE, Brooklyn, N. Y. Filed June 10, 1921. Serial No. 477,907. 8 Claims. (Cl. 211—13.)



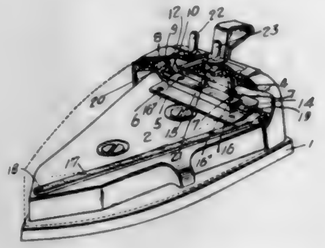
1. A one piece garment hanger consisting of a spacing element and two oppositely disposed normally upstanding members integral therewith shaped to conform to the shape of the article to be hung, and a suspension element passing through supporting and automatically maintaining said members in said upstanding position, said suspension element passing from one of said members to the other member.

1,558,076. INDICATING DEVICE FOR STORAGE BATTERIES. RUFUS N. CHAMBERLAIN, Chicago, Ill. Filed Apr. 18, 1924. Serial No. 707,402. 7 Claims. (Cl. 177—311.)



7. In a system of indicating the level of the electrolyte of storage batteries, the combination of a circuit including a battery, an antimonial lead electrode in a cell of the battery having a relative negative polarity and a lamp and means having another function in the operation of the automobile for controlling said circuit.

1,558,077. ELECTRIC IRON. ALBERT RANDOLPH CHEESEMAN, Toronto, Ontario, Canada. Filed Jan. 5, 1924. Serial No. 684,565. 3 Claims. (Cl. 219—25.)



1. In an electric iron, the combination with the body and the element thereof, of a stationary contact carried by the body and connected to one element terminal, a movable contact also carried by the body and connected with the other terminal, a mono-metal rigid bar connected to the iron body at one end and to the movable contact at the opposite end and capable of expansion longitudinally in its own plane when subjected to heat whereby the movable contact brakes contact with the stationary contact during the expansion of the bar and makes contact during the contraction of the bar.

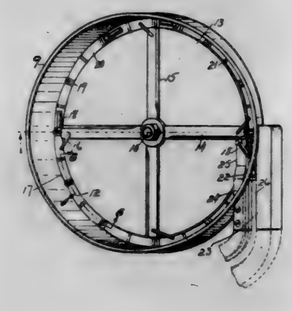
1,558,078. GOLF-TEE MARKER. EDWARD A. DARBY, Philadelphia, Pa. Filed July 9, 1925. Serial No. 42,378. 2 Claims. (Cl. 273—32.)

2. A golf tee marker including a standard: a flange on the upper end of the standard: a stud on the flange; a hood fitting over the stud and resting over the flange; means on the stud for securing the hood to the flange; a second flange on the lower end of the standard, and a spike depending from said flange.

1,558,079. FEEDER FOR AUTOMATIC METAL-WORKING MACHINES. ERNEST W. DUSTON, Cleveland, Ohio, and REUBEN S. CROSBY, Hartford, Conn., assignors to The Asa S. Cook Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 30, 1922. Serial No. 585,217. 15 Claims. (Cl. 10—169.)

9. A feeder comprising a case, a tubular support for said case, a shaft projecting through said support and

rotatably mounted therein, a feed plate secured to said shaft, a rectifying plate loosely supported on said shaft and of a size to form a groove with said feed plate as



the bottom thereof, and a delivery chute in engagement with said rectifying plate to prevent rotation thereof and positioned to receive articles from said groove.

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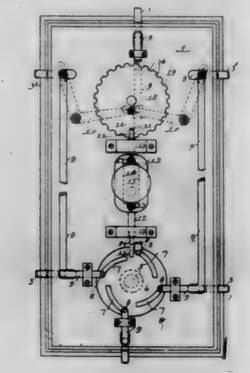
1,558,080. COMBINATION LOCK. JAMES L. FOUTS, Muskegon, Mich. Filed Sept. 25, 1924. Serial No. 739,791. 2 Claims. (Cl. 70—53.)



1. In a lock; a locking bar movable into and out of locking position; a rotatable member having a spirally-formed cam and a recess; means engaging the cam for moving the locking bar; a locking bolt movable into and out of engagement with said recess to hold said member against rotation.

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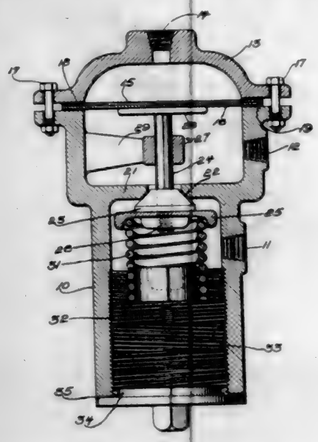
1,558,081. DEVICE FOR CONTROLLING THE FLOW OF FLUIDS. HARLAN S. GANO, Wilkinsburg, and MATSON C. TERRY, Philadelphia, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 12, 1923. Serial No. 662,301. 11 Claims. (Cl. 236—92.)

1. In a device for controlling the flow of fluid, the combination of a flexible diaphragm composed of materials having relatively different coefficients of expansion, means for subjecting that portion of the diaphragm having the greater coefficient of expansion to the temperature of a fluid, means for subjecting that portion of the diaphragm having the lesser coefficient of expansion to



the temperature of a medium, and means for controlling the flow of the fluid in response to movements of the diaphragm.

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1,558,082. MANUFACTURE OF PAINTS. DANIEL GARDNER, Weybridge, England. Filed Aug. 21, 1922. Serial No. 583,378. 8 Claims. (Cl. 134—51.)

2. In the production of liquid coating compositions from bitumens, asphaltites and similar materials, the step of maintaining said material at a temperature of 125 to 140° C., while preventing local overheating, such operation being conducted in a nonoxidizing atmosphere.

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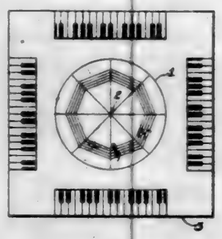
1,558,083. EDUCATIONAL GAME. GRACE GITTENS, East Orange, N. J. Filed July 22, 1921. Serial No. 486,734. 4 Claims. (Cl. 373—135.)



1. An educational game comprising a representation of a keyboard: a number bearing a plurality of musical notations, said member being movable to bring any of said notations into position for observance and in adjacency to said keyboard, and a set of cards bearing designations different from but related to the notations on said member.

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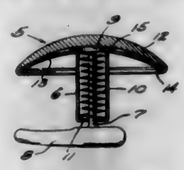
1,558,084. CUFF BUTTON. ARTHUR R. GLIDDEN, Seattle, Wash. Filed Feb. 4, 1924. Serial No. 690,532. 1 Claim. (Cl. 24—102.)

A cuff-button comprising two rigid members, each having a head element, one of said members being provided with a hollow post element having a flange at its outer end, the other of said members being provided with a stem extending axially into said post element and having a flange within the latter, and an expansion spring provided within said post and between said flanges, said



spring acting to yieldingly retain said stem of the associated member in contact with the head element of the other member.

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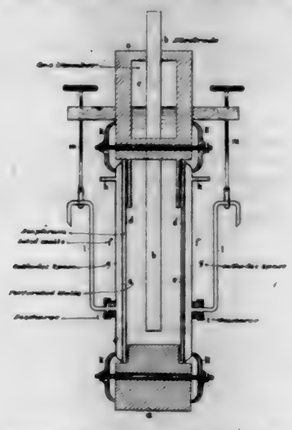
1,558,085. CIRCULATION ELECTROLYZER FOR ALKALINE CHLORIDES. FRANCESCO GIORDANI and UMBERTO POMILIO, Naples, Italy. Filed Oct. 18, 1922. Serial No. 595,220. 4 Claims. (Cl. 204—58.)



1. A circulation electrolyzer for alkali chlorides, comprising an anodic chamber, cathodic chambers, vertical diaphragms separating the said anodic chamber from the cathodic chambers provided at their upper ends with hydrogen outlets, a feeding device for admitting the electrolyte to the anodic chamber, means for discharging the liquid arriving in the cathodic chambers, and means for regulating the speed of the liquid passing through the said diaphragms, irrespective of the changes of the porosity of the said diaphragms.

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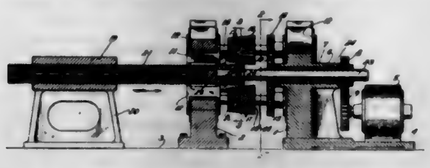
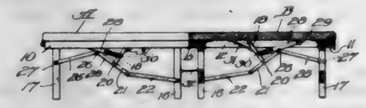
1,558,086. MACHINE FOR ROLLING GEARS. CHARLES O. GUSTAVSEN, Canton, Ohio. Filed Dec. 23, 1922. Serial No. 608,655. 12 Claims. (Cl. 80—16.)



1. A machine for rolling gears including a plurality of forming rolls, means for rotating said rolls and means for passing a heated blank axially between said rolls and means for positively rotating the blank in unison with the rolls.



1,558,087. FOLDING BENCH AND TABLE. EARL G. HANEY, Chicago, Ill. Filed Sept. 2, 1924. Serial No. 735,246. 4 Claims. (Cl. 155—151.)



4. In a folding bench or table, the combination of two body sections hinged together to fold one upon the other in substantially parallel relation, each section having an outer leg hinged thereto to fold substantially against the body section to which hinged, each section having also an inner leg, the inner legs being closely adjacent to each other, said sections being free to fold together when the legs are off of the floor, and being held against such folding by the resting of the device with its legs normally upon the floor and means dependent upon the movement of the sections toward each other and the impingement of the inner legs upon each other for causing the legs to fold substantially parallel with the sections respectively when the sections are folded substantially parallel to each other.

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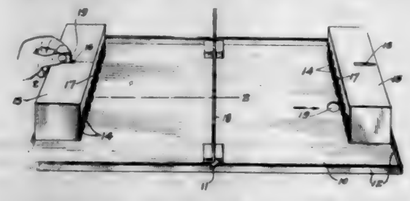
1,558,088. GAME APPARATUS. JOHN W. HANLEY, New York, N. Y. Filed Aug. 4, 1924. Serial No. 729,886. 5 Claims. (Cl. 273—126.)



1. In game apparatus of the nature set forth, the combination with a field and remote mechanism, of a combined projector and target manipulatable as a unit over the field, said projector being adapted for directing a game piece toward said remote mechanism while the taget constitutes a goal with respect to a game piece projected from said remote mechanism.

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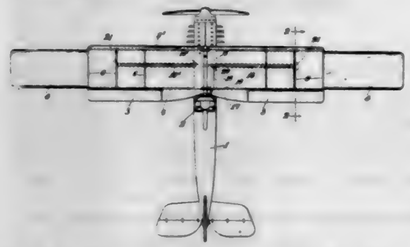
1,558,089. AEROPLANE. ALBERT S. HEINRICH, Freeport, N. Y. Filed Feb. 20, 1922. Serial No. 538,081. 6 Claims. (Cl. 244—12.)



1. In an aeroplane, the combination of laterally extending wings, said wings having forward and rear longitudinal beams and transverse beams secured to said longitudinal beams, said wings having interior spaces extending longitudinally thereof and confined between said longitudinal beams, and auxiliary wing sections slidably mounted within said spaces in said wings, adapted to be extended laterally beyond the same, said

transverse beams being positioned to extend vertically outside the surface of said wings and arranged to directly receive all upwardly and downwardly directed stresses from said auxiliary sections and transmit the same to said forward and rear longitudinal beams.

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1,558,090. ELECTRICAL TRANSFORMER. AUSTIN A. HOWARD, Chicago, Ill. Filed Jan. 23, 1924. Serial No. 687,963. 4 Claims. (Cl. 175—359.)

1. A device of the character described comprising a cylindrical support having a spiral groove in its outer surface, a wire laid in the bottom of said groove, the depth of said groove being greater than the diameter of the wire laid therein, and another wire wound on the outer surface of said support and not lying in said groove.

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1,558,091. PISTON RING. CHARLES E. JOHNSON, Muskegon, Mich., assignor to The Piston Ring Company, Muskegon Heights, Mich., a Corporation of Michigan. Filed Mar. 24, 1924. Serial No. 701,245. 4 Claims. (Cl. 74—109.)

1. A piston ring of substantially circular outline having a plurality of slots cut therein from its outer curved side to its inner curved side, said slots being cut upwardly and inwardly at an angle and having ends joining whereby a continuous groove of varying depth is made around the ring with a plurality of openings in spaced relation extending through the ring from said groove.

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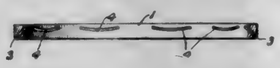
1,558,092. PISTON RING. CHARLES E. JOHNSON, Muskegon, Mich., assignor to The Piston Ring Company, Muskegon Heights, Mich., a Corporation of Michigan. Filed May 19, 1924. Serial No. 714,256. 6 Claims. (Cl. 74—109.)



1. A piston ring of substantially circular outline having a plurality of slots cut therein from its outer curved to its inner curved side, said slots being cut upwardly and inwardly at an angle to the upper and lower sides of the ring, the ends of the slots being spaced short distances apart and said slots being cut at spaced apart points from the outer lower corners of the ring whereby portions of the metal are removed from the ring at the lower side thereof adjacent the outer curved side thereof.

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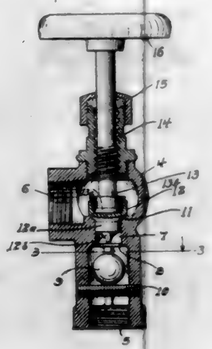
1,558,093. AUTOMATIC SHUT-OFF VALVE. WAYBURN E. JOHNSTON, Minneapolis, Minn. Filed Nov. 21, 1924. Serial No. 751,283. 4 Claims. (Cl. 277—27.)

1. An automatic shut-off valve for fluid comprising a body having a fluid passage therethrough, a check valve at one side of said passage adapted to seat on an excessive flow of fluid, and a manually movable valve at the other side of said passage adapted to close said passage, said valve having means thereon fitting said passage substantially to close the same, and means carried by said first mentioned means extending through said passage for engaging said check valve when closed to open the same before said second mentioned valve seats.



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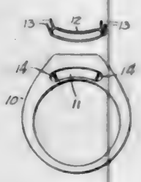
1,558,094. JEWELRY. ISAAC E. KALISHER, New York, N. Y., assignor to Kalisher Mfg. Co., New York, N. Y., a Firm composed of Samuel Wein, Louis Leopold, and Isaac E. Kalisher. Filed Apr. 8, 1925. Serial No. 21,547. 1 Claim. (Cl. 63—15.)



As a new article of manufacture, a finger ring having a space between the finger embracing opening and the periphery of the ring, posts within and extending transversely of the space, an insert for said space, and prongs carried by said insert and adapted to be clinched about and unclinched from said posts.

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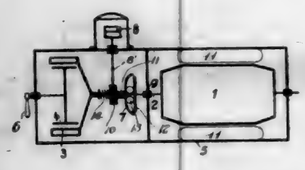
1,558,095. DYNAMO-ELECTRIC MACHINE. FRANZ KRATZ and MAX SCHÄFER, Stuttgart, Germany, assignors to the Firm: Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filed Aug. 11, 1921. Serial No. 491,554. 13 Claims. (Cl. 123—149.)



1. Combined direct current and high tension ignition current generator, comprising, in combination, a field structure and an armature for generating direct current of low tension, a shaft for the said armature, bearings



for the said shaft, said shaft having an extension overhanging one of said bearings, a magneto-electric ignition device provided with a rotor, the rotor of said ignition device being mounted on the said extension of the armature shaft so as to rotate therewith.

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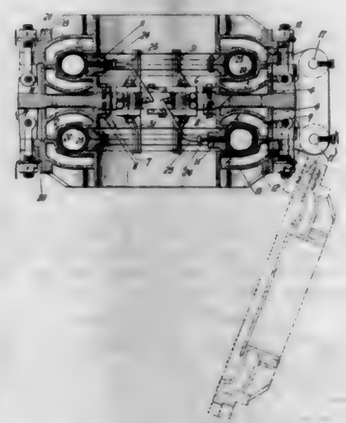
1,558,096. VULCANIZER. OTTO J. KUHLKE, Akron, Ohio, assignor to The Kuhlke Machine Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 24, 1925. Serial No. 25,487. 5 Claims. (Cl. 18—38.)



3. In a vertical mold of the swinging type, a support, a stationary mold section attached to the support, a swinging mold section hinged upon the support, and lateral arms to carry a tire assembly within the mold, the arms being adjustable to support tire assemblies of different internal diameters.

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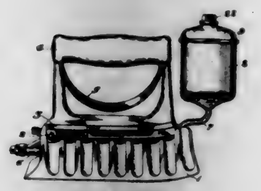
1,558,097. SELF-HEATING SADIRON. BERTUS A. LAKE, Big Prairie, Ohio. Filed Aug. 18, 1921. Serial No. 493,403. 1 Claim. (Cl. 220—39.)



In a tank for a self heated sad iron, an inwardly and downwardly inclined, annular flange, and an internally threaded nipple arranged to be inserted from the outside of the tank and located within said flange and provided with an annular groove having an inwardly and downwardly inclined edge receiving the inner edge of the flange, the nipple being connected to the flange by solder surrounding the nipple within the flange, the soldering operation being performed wholly from the outside of the tank.

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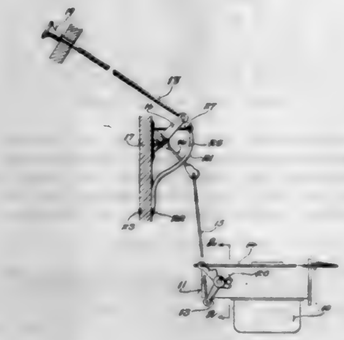
1,558,098. ADJUSTMENT FOR CARBURETOR CHOKES. HARRY LANGER, Milwaukee, Wis. Filed Nov. 28, 1922. Serial No. 602,792. 1 Claim. (Cl. 137—139.)



In an automobile the combination of a choke valve for a carburetor, a lever operatively connected thereto, a dashboard, a bell crank lever pivotally supported upon said dashboard and having a downwardly and outwardly extending arm connected by means of a link with said first mentioned lever, a pull rod connected to the other arm of said bell crank lever, a retainer having a curved portion provided with a serrated edge with the serrations formed by gradually curving portions, said retainer having a straight portion pivoted to said dashboard, and a spring connected to the free end of said retainer and rocking said retainer about the pivot point to cause the notched edge thereof to engage the downwardly and forwardly extending arm of the bell crank lever.

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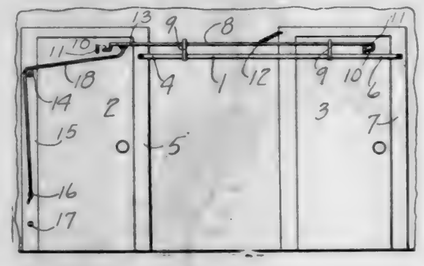
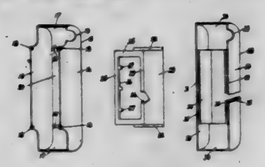
1,558,099. DOORLOCK. JOSEPH B. LEBRUN, Berlin, N. H. Filed Oct. 12, 1922. Serial No. 594,008. 1 Claim. (Cl. 292—157.)



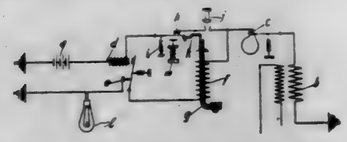
A door lock for two doors spaced apart, comprising a brace fastened across the tops of the doors; a rod slidingly connected with the brace; resilient means for holding the rod toward the right hand side; a screw eye in each door adjacent the rod; a hook in each end of the rod and directed so as to engage said screw eyes on the left hand movement of the rod; a roller and a knob attached to the left hand door casing; and a cord fastened to the sliding rod and extended over the roller, with its lower end adapted for fastening to said knob.

1,558,100. CAMERA. LEW W. LESSLER, Johnson City, N. Y., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Filed May 4, 1925. Serial No. 27,795. 6 Claims. (Cl. 95—32.)



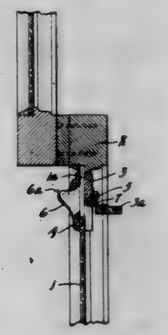
1. A camera body comprising a member provided with sides and end pieces, a second member between said sides and ends, light traps between said second member and said end pieces, and a third member providing light traps between said second member and said sides.

1,558,101. AUTOMATIC CIRCUIT-BREAKING DEVICE. GUSTAV LIEB, Stuttgart, Germany, assignor to Robert Bosch Aktien-Gesellschaft, Stuttgart, Germany. Filed Jan. 8, 1923. Serial No. 611,529. 8 Claims. (Cl. 123—146.5.)



1. In an automatic circuit breaking device for internal combustion engines, the combiantion, with an ignition circuit, a battery forming the source of current for it, and a thermostat, of a contact arranged in the said ignition circuit and depending on the movement of the said thermostat, an auxiliary circuit having the heating coil of said thermostat inserted into it, and a circuit closing device arranged in said auxiliary circuit and adapted to be actuated by the current flowing through the ignition circuit, as set forth.

1,558,102. FLY-EXIT DEVICE. ELIZABETH LYNCH, Minneapolis, Minn. Filed July 3, 1924. Serial No. 724,080. 2 Claims. (Cl. 156—37.)



1. In combination with a window and the pane thereof, a device permitting the exit of a fly or other insect comprising a casing adapted to be secured adjacent the top of said window, said casing having a portion at the outside and inside of said pane, said outer portion having a chamber with a screen wall therein, which wall has an outwardly extending opening therethrough adapted to permit the exit but not the entrance of a fly or other insect, said pane having an opening therethrough communicating with said chamber and a hinged door on the portion of said casing at the interior side of said pane adapted to close the opening therethrough.

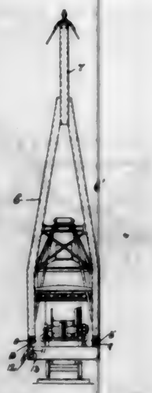
1,558,103. STOCKING. WALTER J. MCCLELLAND, East Orange, N. J. Filed Apr. 20, 1925. Serial No. 24,536. 1 Claim. (Cl. 2—239.)

A method for making stockings, which consists in knitting the leg portion of the stocking from uncolored yarn, dyeing the leg portion, knitting the top portion from ingrained yarn, and securing the top portion to the previously dyed leg portion.

1,558,104. PROCESS OF TREATING TEXTILE FIBERS AND IN THE PRODUCT RESULTING THEREFROM. JOSEPH CURRY MCDOWELL, Manchester, N. H. Filed May 8, 1922. Serial No. 559,464. 17 Claims. (Cl. 8—2.)

8. That step in the process of bleaching piece goods containing yarns dyed with vat colors which consists in boiling the goods in a medium containing sodium silicate and sodium carbonate.

1,558,105. CABLEWAY-SKIDDING MACHINE. JOHN R. MCGIFFERT, Duluth, Minn., assignor to Clyde Iron Works, Duluth, Minn., a Corporation of Maine. Filed Oct. 19, 1921. Serial No. 508,897. 2 Claims. (Cl. 189—16.)



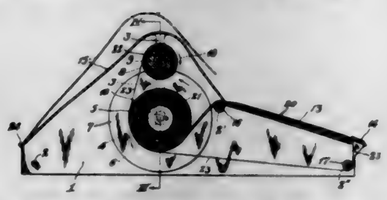
1. In a machine of the character described, the combination of a platform, a spar having spaced legs pivotally mounted in aligned brackets horizontally arranged on said platform, one of said brackets being pivotally mounted on said platform on an axis at right angles to the pivot of said legs, and the other of said brackets being mounted for vertical adjustment on said platform.



1,558,106. HAIR-CURLING DEVICE. MICHAEL J. MCGOWAN, Chicago, Ill., assignor to Dermatological Laboratories, Incorporated, Chicago, Ill., a Corporation of Illinois. Filed May 19, 1924. Serial No. 714,439. 5 Claims. (Cl. 132—38.)

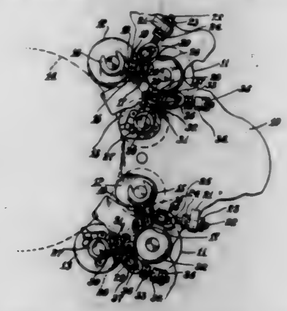
1. A hair curling device comprising a circular band adapted to fit around the head, and a plurality of substantially arcuate ribs of triangular cross section mounted on said band and adapted to extend over the head.

1,558,107. AUTOGRAPH REGISTER. MURDOCK MACDONALD, Cleveland, Ohio. Filed Jan. 5, 1923. Serial No. 610,742. 3 Claims. (Cl. 282—15.)



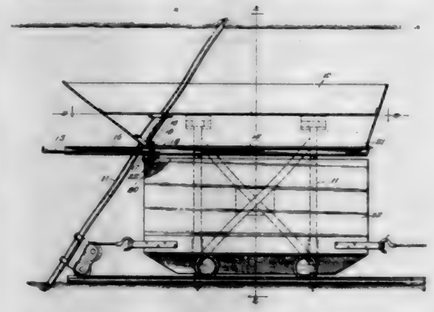
1. In an autographic register, the combination of a frame; a main feed roller mounted upon said frame; two driving wheels co-axial with and fixed to said roller and upon opposite sides thereof, a storage roller; and two pinions co-axial with the latter, fixed thereto upon opposite sides thereof and resting upon the said driving wheels respectively.

1,558,108. INKING MECHANISM FOR PRINTING MACHINES. FRANK C. MARQUARDT, Brooklyn, N. Y., assignor to American Bank Note Company, Brooklyn, N. Y., a Corporation of New York. Filed Feb. 9, 1922. Serial No 535,159. 14 Claims. (Cl. 101—352.)



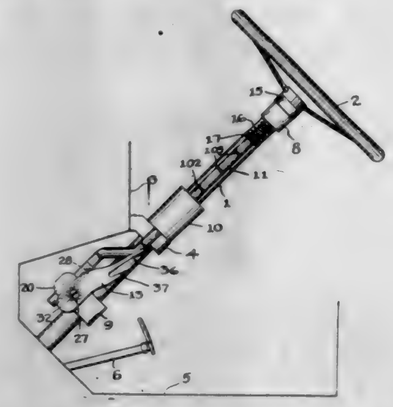
1. An inking mechanism for printing machines embodying therein a carriage adapted to have movement toward and from a form or plate cylinder, a distributing roller mounted therein, an inking roller associated with said distributing roller and adapted to be brought into and out of engagement with the form or plate upon said cylinder as determined by the movement of said carriage, means for imparting movement to said inking roller radially of said distributing roller to secure the proper relation of said rollers to each other, and means for imparting movement to said inking roller circumferentially of said distributing roller, and towards or from said form or plate cylinder to secure the proper relation of said inking roller to the form or plate, independently of said first named means.

1,558,109. RECEIVING AND LOADING HOPPER. HAROLD G. MEAD, Chicago, Ill., assignor to Car Dumper & Equipment Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 6, 1925. Serial No. 13,523. 6 Claims. (Cl. 214—41.)



1. A hopper adapted to receive a continuous supply of material; a car adapted to receive a load of material from the hopper; means for supporting the hopper a sufficient distance above the floor to permit the car to go under the same; means operated by movement of the car to a position under the hopper to open the hopper and discharge a load of material into the car; means operated by movement of the car in leaving a position under the hopper to close said hopper and prevent further discharge of material therefrom; and means whereby the hopper can be carried on the car.

1,558,110. AUTOMOBILE LOCK. JOSEPH MENCHEN, Summit, N. J., assignor to Madge Menchen, New York, N. Y. Filed Oct. 6, 1919. Serial No. 328,736. Renewed Mar. 19, 1925. 25 Claims. (Cl. 116—33.)



23. In an automobile theft-preventive device, the combination of a hollow operative member for rendering the automobile inoperative constituting a reservoir of compressed air, a holding dog cooperative with said member, a finger connected with the dog, a key-operated cam mem-

ber cooperating with said finger and having an opening for the passage of a key, a displaceable member behind the cam member adapted to be held against movement by the end of an authorized key, a warning signal controlled by said displaceable member, means whereby movement of the cam member in absence of an authorized key displaces the displaceable member, means whereby operation of said warning signal opens an outlet from the reservoir member to operate a second signal, a spring device normally held against operation by the pressure in the reservoir member, and means whereby said spring device actuates the cam member in event of the reservoir member being cut.

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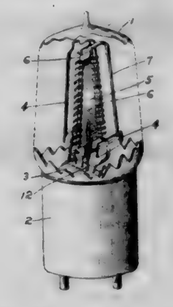
1,558,111. VACUUM TUBE. HERBERT E. METCALF, San Leandro, Calif., assignor to The Magnavox Company, San Francisco, Calif., a Corporation of Arizona. Filed Mar. 23, 1925. Serial No. 17,575. 6 Claims. (Cl. 250—27.)



3. In a vacuum tube the combination of a base support, a control electrode mounted thereon and comprising plate means having the opposite edges thereof serrated and upset to form a filament-receiving opening extending along each of such edges, a filament extending along in such openings, means for supporting a filament in place in the openings, and means secured to the plate means between the said edges and supporting the same in the tube.

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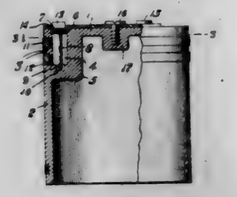
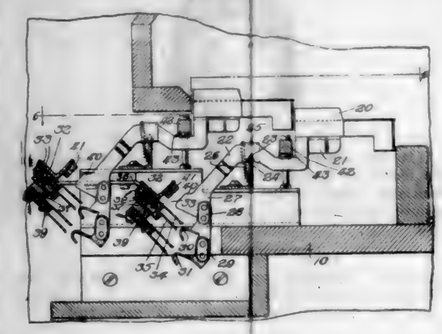
1,558,112. PISTON WITH ADJUSTABLE RING. ANDREW J. MILLER, Massillon, Ohio. Filed Apr. 18, 1922. Serial No. 555,085. 3 Claims. (Cl. 74—109.)



1. A piston of the character described provided with ring grooves, split rings located in said grooves, a polygonal spring within each groove engaging the inner face of the ring, eccentrics extending longitudinally through the ring grooves and engaging the inner surface of the polygonal springs for expanding the split rings, a squared head upon each eccentric extended through the top of the piston and a spider detachably mounted upon the top of the piston and having squared holes for engaging with the squared heads upon the eccentrics to hold the eccentrics in adjusted position.

1,558,113. REMOTE CONTROL OF THE PLAYING OF STRINGED INSTRUMENTS. BERTIE E. MILLS, Detroit, Mich., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1922. Serial No. 568,248. 23 Claims. (Cl. 84—326.)



1. In a device for the remote control of the playing of musical instruments, means for sounding the individual notes for each of a plurality of stringed instruments of the viol class, a key-board provided with keys corresponding to the notes of said instruments, means actuated by each of said keys for actuating the corresponding note-sounding means of said instruments, and means for selecting the individual instruments upon which the notes are to be sounded.

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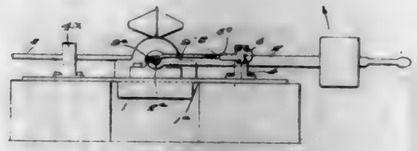
1,558,114. TELESCOPING HANDLE FOR LIFTING JACKS. JOHN A. MORRISON, Mansfield, Ohio. Filed Feb. 11, 1925. Serial No. 8,440. 3 Claims. (Cl. 74—33.)

1. A folding handle for lifting jacks comprising a tubular member having a cross head at one end, a crank loosely carried by the cross head and arranged to be rigidly connected thereto at right angles to the tubular member, and a shank slidably mounted in the tubular member and arranged to be frictionally held in extended position.



1,558,115. LOCK FOR SWITCH STANDS. CARMINE PALLONE, Girard, Ohio. Filed Nov. 10, 1924. Serial No. 750,898. 7 Claims. (Cl. 70—128.)



5. The combination with a pivoted switch lever and a keeper cooperating therewith provided with a key actuated locking means, of a slidable key retaining member associated with said locking means, and means whereby the movement of the lever operates said key retaining member.

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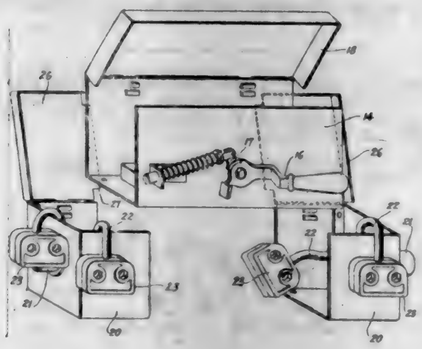
1,558,116. ELECTRIC SWITCH. CLARENCE D. PLATT, Bridgeport, Conn. Filed May 13, 1922. Serial No. 560,593. 6 Claims. (Cl. 200—168.)



2. In an electric switch, a combination of a main switch and an enclosure therefor, an end member, a stationary conduit connected to said end member, a cover for said end member, a readily detachable connector for the conductor in said conduit, means for detachably securing said main switch enclosure to said end member and a cover for said enclosure serving to hold the cover of the end member in place.

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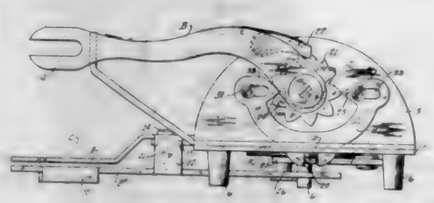
1,558,117. COW BLANKET. GUSTAVE C. RASCH, Burlington, Wis., assignor to Burlington Blanket Company, Burlington, Wis., a Corporation of Wisconsin. Filed May 14, 1925. Serial No. 30,220. 3 Claims. (Cl. 54—79.)

3. The combination with a cow blanket provided with a breast strap and a stay, of surcingles secured to said stay at a point forward of the positions of a cow's hips and extending rearwardly and downwardly, and means for supporting a cow's tail from one of said surcingles.



1,558,118. BUTTONHOLE MECHANISM FOR SEWING MACHINES. BERNARD F. SERAFINI, St. Louis, Mo. Filed Aug. 9, 1923. Serial No. 656,602. 17 Claims. (Cl. 112—77.)



1. A means for forming buttonholes, comprising a stitch forming mechanism, a work feeding element, means for causing said element to travel longitudinally in a zig-zag path forwardly and backwardly, and means whereby the needle of the stitch forming mechanism will be caused to penetrate the material at a different period with respect to the transverse movement of the work feeding element during the operation of inserting stitches at the ends of the buttonhole than said needle penetrates the material during the operation of inserting stitches at the sides of the buttonhole.

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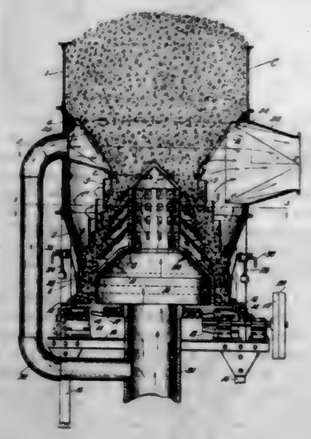
1,558,119. DRYING APPARATUS. DANIEL V. SHERBAN, Canton, Ohio, assignor to The Bonnot Company, Canton, Ohio, a Corporation of Ohio. Filed Nov. 6, 1924. Serial No. 748,099. 7 Claims. (Cl. 34—34.)



1. A drying apparatus including a receiving hopper, spaced ring plates beneath said hopper, a series of conical plates spaced from the ring plates, means for rotating the conical plates and means for passing hot gases between the conical plates and ring plates.

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1,558,120. RADIO RECEIVING SYSTEM. FREDERICK GRANT SIMPSON, Seattle, Wash. Filed Apr. 3, 1922. Serial No. 549,056. 25 Claims. (Cl. 250—20.)

1. The method of converting energy in the form of electromagnetic waves to energy in a form perceptible to the sense organs of the human body, which consists

in part in generating alternating current by the movement of electrons in a magnetic field and in utilizing

said electromagnetic waves to vary the velocity imparted to said electrons by said magnetic field thereby varying the frequency of said alternating current.

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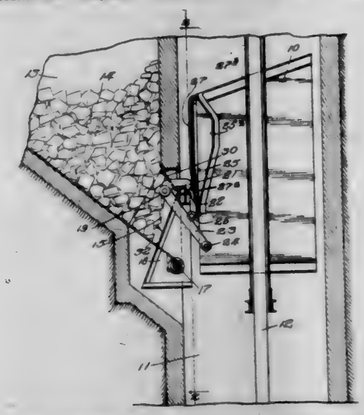
1,558,121. AUTOMATIC SKIP-LOADING GATE. GEORGE N. SIMPSON, Chicago, Ill. Filed June 25, 1924. Serial No. 722,291. 12 Claims. (Cl. 214—125.)



1. In apparatus of the character set forth; the combination of a skip; a hopper provided with a discharge opening located adjacent to the path of movement of the skip; a gate pivoted at the lower edge of the discharge opening, said gate projecting beyond the front wall of the hopper when in its lowered or open position and adapted to be raised to a position closing said discharge opening; means for locking the gate in its closed position; and means whereby downward movement of the skip across the opening operates first to press the gate back out of contact with the locking mechanism, then unlock the locking mechanism and then permit the gate to swing outwardly and downwardly to open position.

11. A hopper with a discharge opening; a gate pivoted at the lower edge of the discharge opening, said gate projecting beyond the front wall of the hopper when in its lowered or open position and adapted to be raised to a position closing said discharge opening, said gate having a bottom plate and being pivoted on a transverse shaft arranged a short distance from said bottom plate; a chute at the bottom of the discharge opening terminating flush with said shaft; and a filler plate attached to the gate and filling the space between the bottom plate of the gate and said shaft.

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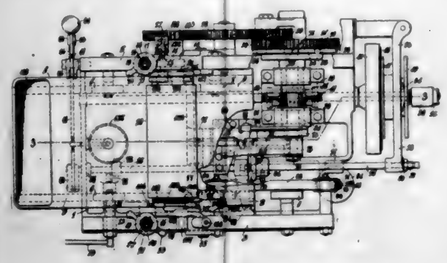
1,558,122. MOTHPROOF FELT, ETC. BERT A. STAGNER, Long Beach, Calif. Filed Nov. 22, 1923. Serial No. 676,284. 7 Claims. (Cl. 167—6.)

6. As a new product for disinfesting and proofing manufactured hair products against vermin, a solution containing an arsenical compound, soap and an adhesive, said solution being adapted to leave an adhering coating thereof on the fibers of the hair.

1,558,123. PLATE-PRINTING MACHINE. RUDOLPH SATTLER, Cincinnati, Ohio. Filed Nov. 3, 1923. Serial No. 672,507. 31 Claims. (Cl. 101—158.)



1. In a machine of the character described, in combination with a bed having a printing movement and a return movement, pressing means, and mechanism for causing one of said movements of said bed, a cam element actuated by said mechanism, and an operative connection to said pressing means, engaged by said cam for causing said pressing means to press stock on said bed during part of said printing movement.

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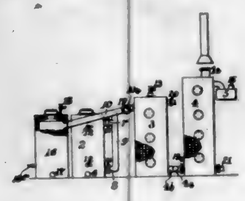
1,558,124. METHOD AND MEANS FOR THE MANUFACTURE OF ILLUMINATING GAS. LINFORD S. STILES, Brooklyn, N. Y. Filed June 10, 1920. Serial No. 387,888. 12 Claims. (Cl. 48—80.)



8. In a gas apparatus, a main generator for producing uncarburetted water gas, a carburetter, a superheater, a water seal, and communicating flues whereby the water gas may pass from the generator successively through the carburetter, superheater and water seal, combined with an auxiliary water and oil gas generator provided with steam supply at the bottom and oil supply at the top to produce a rich carburetted water gas, and having a flue for direct delivery of the gas into the carburetter where it is thoroughly commingled with the water gas from the main generator prior to fixation.

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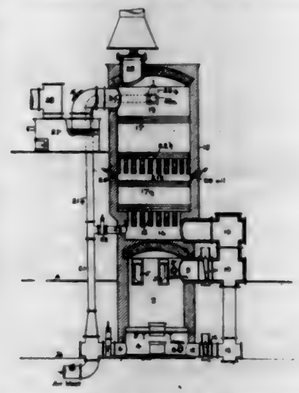
1,558,125. WATER-GAS APPARATUS. LINFORD S. STILES, Brooklyn, N. Y. Filed Aug. 18, 1921. Serial No. 493,246. 1 Claim. (Cl. 48—80.)

A water gas apparatus, comprising a generator for generating water gas, an upright combined carbureter and fixer, a combustion chamber in the lower part of the combined carbureter and fixer in communication with the generator, a superheating chamber in the upper part of the combined carbureter and fixer, said superheating chamber having a valve controlled escape flue for waste products of combustion and a separate outlet for the water gas, blast pipes with separate means of control opening separately into the combustion chamber and the superheating chamber for supplying air for primary and final combustion within the chambers during the heating up process, said carbureter and fixer being provided intermediate of its upper and lower chambers with checker brick work and an oil vaporizing chamber



intermediate of the upper and lower portions of said checker brick work, means for supplying oil to the oil vaporizing chamber, and a wash box in communication



with the water gas outlet from the upper superheating chamber for permitting the passage of the gases to be collected.

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1,558,126. WIRE SPOKE. EDWARD W. STOLER, Mansfield, Ohio. Filed Dec. 4, 1924. Serial No. 753,898. 5 Claims. (Cl. 301—104.)

1. A wire spoke having enlarged straight end portions of predetermined diameters, one of which is threaded and the other headed, said spoke having a portion adjacent the headed end portion which is of materially less diameter than such end portion to provide a point of least resistance, that portion of the spoke adjacent the threaded end portion, being gradually tapered toward the center of the spoke; thence continuing from the center without increasing its diameter from said center to the enlarged headed and straight end portion.

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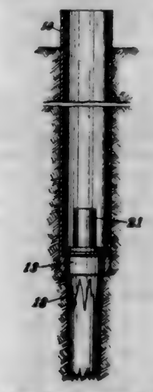
1,558,127. SETTING COMPOSITE PILES. MAXWELL M. UPSON, Englewood, N. J. Filed May 31, 1923. Serial No. 642,643. 8 Claims. (Cl. 61—53.)



1. An apparatus for the purpose described, comprising a driving pipe having an internal shoulder near its lower end, a boot closing the lower end of the pipe to exclude water, and a removable follower in the pipe, fitting the boot to support the same and prevent rupture thereof while the pipe is being driven into the ground, and having a shoulder cooperating with the shoulder on the pipe to limit the downward movement of the follower relative to the pipe.

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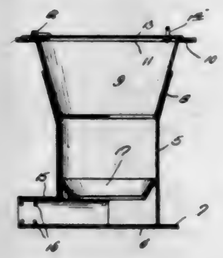
1,558,128. DUMP RECEPTACLE FOR DRILL CUTTING. PATRICK WALSH, Bartlesville, Okla. Filed Mar. 18, 1924. Serial No. 700,185. 1 Claim. (Cl. 220—1.)



A dump receptacle for drill cuttings comprising a hopper having a flared upper end and formed with an outlet spout, the bottom of the spout and the hopper being coextensive, said hopper including a lower section embodying an upper flared portion and a lower cylindrical portion, a flared section fitting within the flared upper portion of the lower section, a closure for the upper end of the flared section, and a tapered baffle ring fixed within the lower portion of the hopper above the plane of the outlet spout for preventing splashing of the cuttings deposited into the receptacle.

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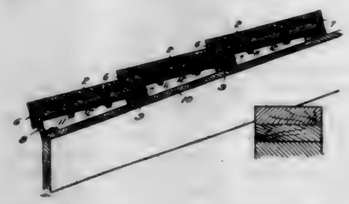
1,558,129. CONCRETE TILE. JOHN WRIGHT WARREN, Elizabethtop, Tenn. Filed June 11, 1923. Serial No. 644,662. 5 Claims. (Cl. 108—10.)



1. A tile including transverse downwardly extending cleat engaging end ribs and spaced downwardly extending transverse intermediate ribs, said latter ribs constructed and arranged to form cleat engaging ribs when the tile is transversely divided intermediate its ends.

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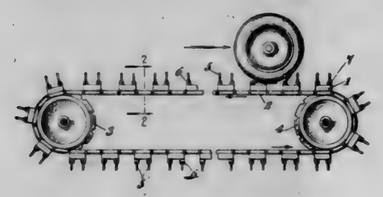
1,558,130. VEHICLE LANDING APPARATUS. PLINY K. WESTCOTT, Brooklyn, N. Y., assignor to Mary A. Kenney, Brooklyn, N. Y. Filed Aug. 8, 1923. Serial No. 656,313. 5 Claims. (Cl. 244—2.)

1. A vehicle landing apparatus comprising a runway having stop members mounted above the same in position to engage and retard the motion of a vehicle passing thereover, supporting means for such members permitting the same to move to non-retarding position when engaged by a vehicle, and means yieldingly urging said members towards their vehicle retarding position whereby the vehicle moves the members to non-retarding position against the resistance of said last-mentioned means.

4. A vehicle landing apparatus comprising a continuously traveling web having transverse slats thereon and stop members movably mounted above said slats in



position to retard the motion of the vehicle passing thereover, and means yieldingly urging said stop members toward their vehicle retarding position.

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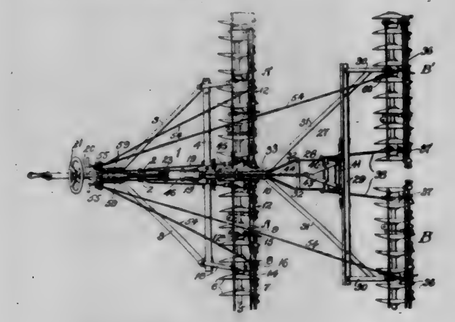
1,558,131. DISK-HARROW MECHANISM. CHARLES H. WHITE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed July 7, 1919, Serial No. 309,008. Renewed Nov. 17, 1924. 19 Claims. (Cl. 55—83.)



1. The combination of a front frame, the disk gangs connected thereto, the rear laterally swinging frame flexibly connected to the front frame, the rear gangs connected to the rear frame and adjustably movable relatively thereto, the adjusting device for the rear gangs having a rear element supported on and movable longitudinally of the rear frame, and a front element supported on the front frame and held on lines approximately fixed relatively to said frame, and adapted to exert draft on the rear element and on the rear gangs, the aforesaid front and rear elements being arranged to permanently have fixed operative connection with both rear gangs and to maintain substantially unchanged the adjusted cutting angle of the rear gangs during their lateral swinging and uniformly actuate them for adjustment in all angular positions of the rear frame.

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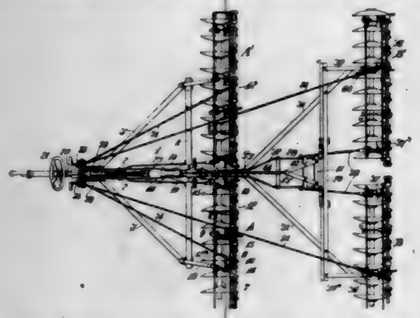
1,558,132. DISK HARROW. CHARLES H. WHITE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Original application filed July 7, 1919, Serial No. 309,008. Divided and this application filed May 27, 1925. Serial No. 33,097. 5 Claims. (Cl. 97—224.)

1. The combination of a front disk gang, a disk gang in rear thereof, each of said gangs being movable relatively to the lines of draft independently of the other and comprising a gang frame, a set of disks, a set of disk scrapers and a device for moving the said scrapers, a frame connected to both of said gangs, a manually operated device on the frame and a power transmitting device extending from the said manually operated device



to both of said scrapers holding devices and adapted to transmit thereto similar movements irrespective of the relative positions of the gangs.

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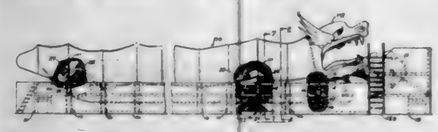
1,558,133. AMUSEMENT DEVICE. JAMES WHITELEY, North Tonawanda, N. Y., assignor to Maynes Corporation, Dover, Del., a Corporation of Delaware. Filed Feb. 21, 1924. Serial No. 694,369. Renewed June 10, 1925. 27 Claims. (Cl. 104—82.)



1. An amusement apparatus comprising an endless passenger conveying mechanism designed to traverse a substantially straight path, a tunnel structure mounted over said mechanism and connected thereto for movement, and means to operate said conveying mechanism.

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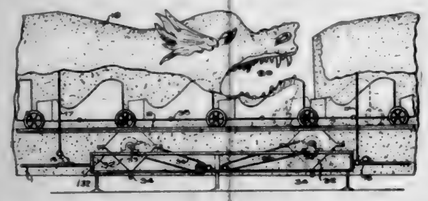
1,558,134. AMUSEMENT DEVICE. JAMES WHITELEY, North Tonawanda, N. Y., assignor to Maynes Corporation, Dover, Del., a Corporation of Delaware. Filed Mar. 6, 1925. Serial No. 13,649. 10 Claims. (Cl. 104—53.)



1. An amusement apparatus comprising a track, a plurality of passenger conveying cars adapted to run thereon, means for undulating the track whereby a rocking motion is imparted to the cars and means for imparting a side to side motion in horizontal plane to the track with a corresponding motion to the cars as they pass thereover.

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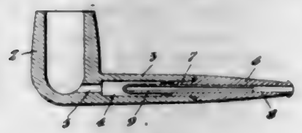
1,558,135. TOBACCO PIPE. JASPER WHITING, Boston, Mass. Filed Nov. 3, 1924. Serial No. 747,419. 5 Claims. (Cl. 131—12.)

5. A pipe having a stem with a mouth piece at the end of said stem, said stem and mouth piece having holes



therethrough for the passage of smoke, and a split pin adjustable longitudinally in one of said holes, the legs



of said pin tending to spring apart whereby the pin is frictionally held in its adjusted position by its contact with the walls of the hole.

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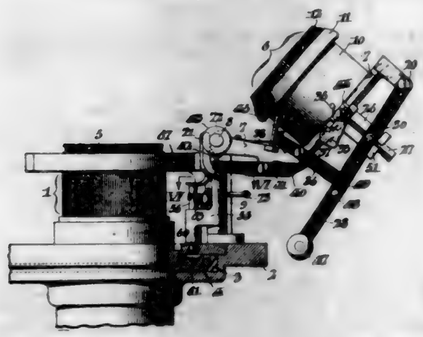
1,558,136. TRANSFER MECHANISM FOR KNITTING MACHINES. LOUIS N. D. WILLIAMS, Ogonts, Pa. Filed July 12, 1923. Serial No. 651,048. 16 Claims. (Cl. 66—32.)



1. The combination in a knitting machine having a complement of needles, of a movable carrier for positioning a transfer device in co-operative relation to the needles; and means operating incidentally to the actuation of the carrier for effecting slight rotative progression of the needles to ensure accurate alignment and registry of said needles with the quills of the transfer device.

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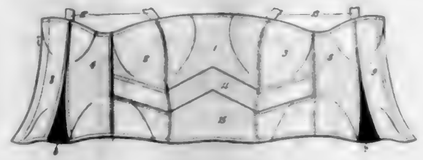
1,558,137. MATERIAL FOR DECOLORIZING LIQUIDS AND PROCESS OF MAKING THE SAME. PHILIP L. WOOSTER, Manhasset, N. Y.; Lillian D. Wooster administratrix of said Philip L. Wooster, deceased. Filed Nov. 19, 1919. Serial No. 339,169. 10 Claims. (Cl. 252—3.)

1. The process of making a decolorizing agent for liquids which consists in removing the carbon from bone char by heating and subjecting the resulting product to vapor arising from the incomplete combustion of a hydrocarbon carried on in a separate vessel.

8. The decolorizing agent for liquids comprising the inorganic structure of bone from which the organic matter has been removed, said structure being impregnated with carbonaceous matter of the character carried by the vapors resulting from the incomplete combustion of a hydrocarbon and with substantially no other carbonaceous matter.

1,558,138. BRASSIÈRE. GABRIELLE M. P. YERKES, Brooklyn, N. Y. Filed Dec. 21, 1923. Serial No. 682,025. 2 Claims. (Cl. 2—42.)



1. A brassière composed of non-elastic middle and side front members, non-elastic side and middle back members, and elastic gores secured between the side and middle back members, the middle front member being provided with a flexible non-elastic diaphragm support free from stays extending across the lower portion thereof.

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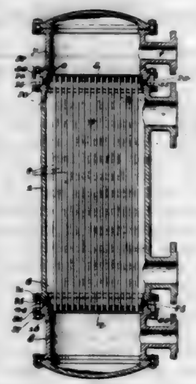
1,558,139. HEAT-EXCHANGE APPARATUS. HANS J. ZIMMERMANN, Philadelphia, Pa., assignor to Schutte and Koerting Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 5, 1922. Serial No. 565,925. 2 Claims. (Cl. 257—224.)



2. A heat exchange apparatus comprising in combination a casing, covers secured to the opposite ends of said casing, end plates situated intermediate the said covers and the said casing, the said plates each being provided with holes extending therethrough, a plurality of pipes, the opposite ends of which extend into said holes, a ring surrounding the outer edge of one of the said end plates, which plate is movable longitudinally of the said casing and with respect to the said ring which ring is situated between an adjacent end of the casing and the inner end of one of the said covers, the inner edges of the said casing and cover upon opposite sides of the said ring being beveled outwardly and packing rings situated in the spaces formed by such outward beveling, substantially as described.

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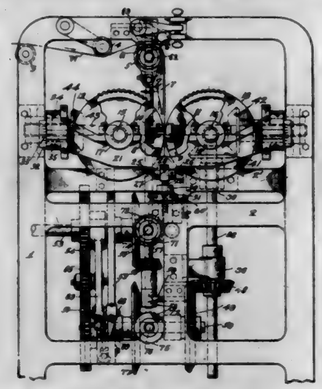
1,558,140. WEB-CUTTING MECHANISM. ADOLPH M. ZUCKERMAN, New York, N. Y., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 19, 1923. Serial No. 633,105. 10 Claims. (Cl. 164—67.)

1. The combination of web forwarding mechanism, means for varying the speed thereof to feed more or less

web, cutting mechanism for cutting sheets from the web, a support therefor, and means for adjusting the cutting



mechanism support while the machine is running to vary the length of the cutting action for cutting different length sheets.

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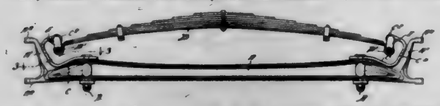
1,558,141. SPRING SUPPORT. GEORGE H. BEAUMONT and JOHN C. MONTEITH, Cleveland, Ohio. Filed Oct. 27, 1921. Serial No. 510,765. 1 Claim. (Cl. 267—54.)

The combination with an axle having ribbed portions and upwardly and outwardly extending end portions, of a spring arranged above said axle, oppositely disposed brackets connected near their inner ends to the top portion of the axle, each bracket having an inwardly extending portion which contacts with the top face of the axle, an upwardly and outwardly extending portion which contacts with the inner face of the upwardly extending portion of the axle and an inwardly and upwardly extending portion, and shackles for connecting the ends of the springs to the ends of said upwardly and inwardly extending portions of the brackets, the outwardly and upwardly extending portions of the brackets being grooved upon their faces contiguous to the axle and adapted to receive the ribbed portions of said axles and hold said brackets against lateral displacement, bolts for securing the inwardly extending portions to the axle, said inwardly extending portions being so shaped as to bind against said bolts and bear at their inner ends upon the top of axle as set forth.

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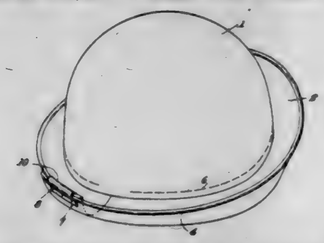
1,558,142. ADJUSTABLE HEAD-SIZE HAT. MOE BRENNER, Far Rockaway, N. Y. Filed Oct. 6, 1924. Serial No. 741,797. 1 Claim. (Cl. 2—197.)



An adjustable head size hat frame comprising a suitably formed strip arranged to overlap at its ends, and a clip folded around the outer edges of the overlapping ends and effecting sufficient frictional engagement between said ends to retain them in adjusted position, the inner face of one side of the clip being relatively smooth and the inner face of the other side of the clip having projections to engage the corresponding strip end and prevent movement thereof relative to the clip during adjustment to the side of the frame.

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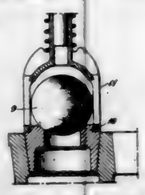
1,558,143. BALL VALVE AND METHOD OF PRODUCING SAME. STEWART R. BROWNE, Brooklyn, N. Y. Filed Aug. 24, 1922. Serial No. 583,988. 7 Claims. (Cl. 251—158.)



6. A ball valve for pumps and similar apparatus formed from a block of fibrous material, said material being produced by inseparably uniting a plurality of layers of fibrous material impregnated with an adhesive substance and subjected to pressure and heat.

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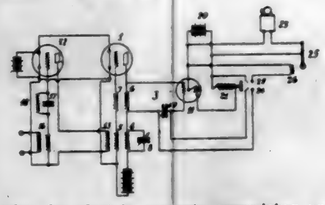
1,558,144. ELECTRIC RELAY. HENRI CHIREIX, Paris, France. Filed Aug. 29, 1921. Serial No. 496,668. 16 Claims. (Cl. 250—8.)



1. A relay for electric currents comprising an oscillation generator having two oscillating circuits connected thereto tuned to different frequencies, means associated with said generator for causing it to oscillate at either of said frequencies separately and a vacuum tube subjected to said currents having a circuit associated with one of said oscillating circuits.

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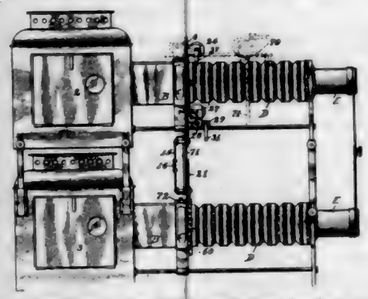
1,558,145. FILM ATTACHMENT FOR STEREOPTICON PROJECTING MACHINES. WILLIAM J. CITRON, San Francisco, Calif., assignor of one-half to Louis R. Greenfield, San Francisco, Calif. Filed Oct. 31, 1923. Serial No. 671,888. 12 Claims. (Cl. 88—26.)



1. An attachment for light projectors having a slide carrier, comprising means hingedly mounted in front of the slide carrier to receive and support a flexible film in position across the aperture therein, and means for operating said film, said operating means, film and support being adapted to be swung away from the slide carrier to permit the latter to be used in the ordinary way.



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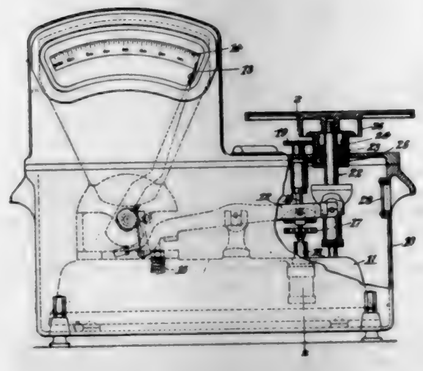
1,558,146. SCALE. ROBERT CRAIG, Dayton, Ohio, assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed June 13, 1921. Serial No. 476,995. 5 Claims. (Cl. 265—47.)



1. A weighing scale having movable parts and a housing completely enclosing the movable working parts of the scale and preventing the access of foreign substances thereto, a dash pot connected to a moving part of the scale, and means for adjusting devices which control the action of the dash pot from without the housing.

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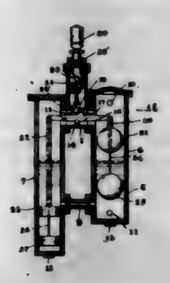
1,558,147. FLOAT ALARM. CHARLES J. DAVIDSON, Milwaukee, Wis. Filed July 14, 1922. Serial No. 574,983. 4 Claims. (Cl. 137—102.)



1. A float alarm, comprising a fluid chamber formed of two parts and having a normal liquid level, levers fulcrumed in said chamber, a substantially solid float connected to one of the levers and positioned in one of the chamber parts below the liquid level, a substantially solid float connected to the other lever and positioned above the liquid level in the same chamber, counterweight floats connected to the opposite ends of the respective levers and positioned below the liquid level in the other chamber part, and an alarm means engaging medial portions of both levers and actuated by the movement of either lever when the liquid level rises above or drops below the said level.

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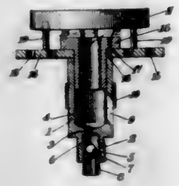
1,558,148. OIL BURNER. MYLAN DEMYANOVICH, New York, N. Y., assignor of one-half to Giovacchino Pieri, New York, N. Y. Filed July 28, 1924. Serial No. 728,557. 2 Claims. (Cl. 158—113.)



1. An oil burner unit comprising a hollow body member having a mixing chamber therein with air and gasified fuel inlets leading to said mixing chamber, a float valve associated with said gasified fuel inlet, an enlarged deflector head spaced from said body member to provide a laterally directed outlet passageway communicating with said mixing chamber, a plurality of baffle members being located in said outlet passageway to split up the jet of fuel into fan-shaped component parts and a draft washer underlying said passageway having openings communicating between its opposite side faces to supply supplementary air to the sheet of flame which issues between the deflector head and the draft washer.

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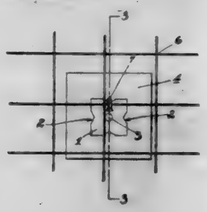
1,558,149. VARIABLE-SPEED SHIFT MECHANISM. GEORGE P. DORRIS, St. Louis, Mo. Filed Nov. 9, 1923. Serial No. 673,643. 10 Claims. (Cl. 74—89.)

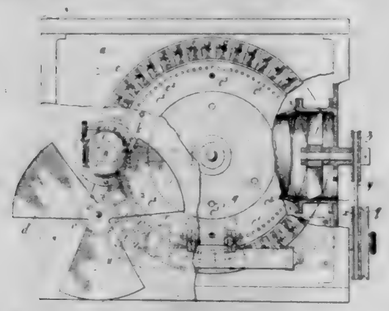
1. The combination with a longitudinally movable gear shifting rod, of a sliding rod supported at an angle with respect to said shifting rod and spaced therefrom, a lever movable into and out of operative connection with said sliding rod, a pivoted lever engaging said shifting rod, and a link having one end pivoted directly to said lever and the opposite end pivoted directly to said sliding rod beyond the point at which said first named lever engages said sliding rod.

1,558,150. FURRING NAIL. MICHAEL EBINGER, Oakland, Calif. Filed June 16, 1923. Serial No. 645,933. 3 Claims. (Cl. 72—118.)



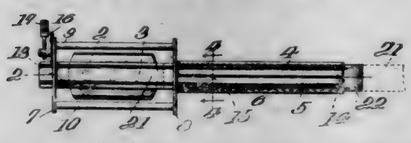
2. A furring nail comprising an angular shaped head, said head having notches in the sides thereof adapted to receive a nail, a plate back of said head and a nail adapted to extend through the head and the plate and into a wall.

1,558,151. APPARATUS FOR THE EXHIBITION OF PICTURES, ANNOUNCEMENTS, AND THE LIKE. JOHN EVANS, Eltham, England. Filed Apr. 18, 1922. Serial No. 555,283. 5 Claims. (Cl. 88—18.8.)



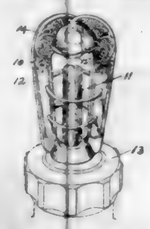
1. In exhibition apparatus, a rotatable disc having thereon pictures to be displayed and provided with a plurality of perforations, a pin movable transversely to said disc and engageable in the perforations therein, a slide in which said pin is movable, a cam having a groove in which said pin is engaged and which controls the transverse movement of said pin relative to said disc, means yieldably maintaining said pin in engagement with said groove, and means coacting with said pin and the sides of said groove for actuating said slide whereby said disc is progressively rotated.

1,558,152. RAZOR-BLADE STROPPER. BENJAMIN O. FANSLOW, New York, N. Y. Filed July 30, 1923. Serial No. 654,663. 10 Claims. (Cl. 51—153.)



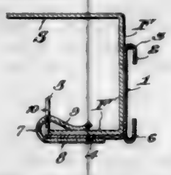
1. A device for stropping razor blades comprising a pair of bars, one of said bars slidable within the other, said bars adapted in one position to grip a razor blade between them and in another position to release the same, the outer bar forming a handle grip, a guard support carried by said bars, a guard carried by said support and arranged parallel to and spaced from said bars, said support being constructed and arranged to oscillate relatively to said bars and to present said guard a limited distance to opposite sides of the edge of the blade to protect the same when presented to the strop either side up.

1,558,153. TEMPERATURE-INDICATING MEANS. KARL A. FERKEL, Los Angeles, Calif. Filed Jan. 4, 1924. Serial No. 684,308. 6 Claims. (Cl. 116—114.)



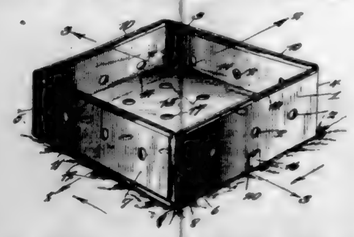
2. In a device of the character referred to, in combination, a container having a transparent window, an element therein visible through said window, and a substance which is normally opaque placed in said container to cover said element, said substance having the property of becoming transparent under heat, whereby to expose said element to view.

1,558,154. TICKET HOLDER FOR SHELVING. JASON A. FITCH, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed May 20, 1924. Serial No. 714,612. 6 Claims. (Cl. 40—16.)



1. A ticket holder adapted for use on metal shelving having a retreating flange, comprising an angular body having an upright and horizontally extending portions, and a spring clip adapted to be applied to the latter portion and the retreating flange of the shelving thereby to sustain the holder in position.

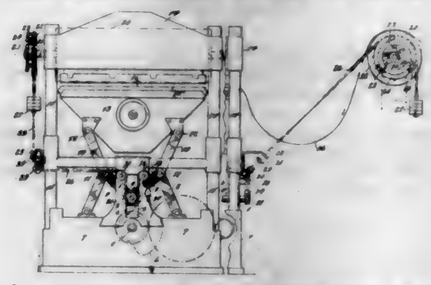
1,558,155. BERRY BOX OR CONTAINER. PETER FLANSBURG, Manistee, Mich. Filed June 30, 1924. Serial No. 723,266. 3 Claims. (Cl. 229—16.)



3. As an article of manufacture, a container constructed from a blank to form the sides of the container, U-shaped metal strips straddling the upper edges of the sides, a raised bottom with flaps, of which one is connected to one side of the container, the bottom being fitted between all sides of the container with the edges of the flaps substantially flush with certain edges of the sides, and S-shaped clips passing through the sides, downwardly between the inner faces of the sides and the flaps, over and around the edges of the flaps and upwardly against the inner faces of the flaps, thereby supporting the bottom, the portions which engage around the edges of the flaps acting to protect the edges and avoid wear thereon.

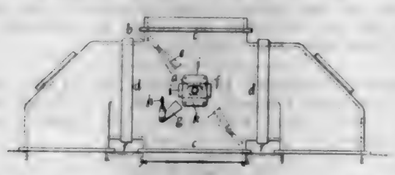


1,558,156. FABRIC-DELIVERING MECHANISM FOR EMBOSSING PRESSES. STUART M. FORD, Bridgeport, Conn., assignor to Durotex Corporation, Newark, N. J., a Corporation of New Jersey. Filed May 2, 1918. Serial No. 232,189. 3 Claims. (Cl. 101—3.)



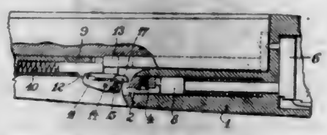
1. An embossing press having a fabric-delivering mechanism comprising a roll fast on a shaft, a ratchet wheel also fast on said shaft, a sprocket wheel loosely mounted on said shaft, ratchet feed dogs carried by said sprocket wheel, a freely suspended chain passing over said sprocket wheel, and means for moving said chain connected to the press bed for feeding the roll forward as the bed is lowered.

1,558,157. VALVE. ALFRED LINDSAY FORSTER, Smethwick, England, assignor of one-half to Chance Brothers and Co. Limited, Smethwick, England. Filed Jan. 6, 1925. Serial No. 935. 4 Claims. (Cl. 251—11.)



1. The combination comprising a valve case, a valve seat within the case, a flap valve pivotally movable within the case, a central spindle carrying the valve, slots in the case through which the ends of the spindle pass, and cover plates on the spindle adjacent to the said slots, substantially as described.

1,558,158. SPORTING GUN. RUDOLF V. FROMMER, Budapest, Hungary. Filed Aug. 29, 1921. Serial No. 496,377. 4 Claims. (Cl. 42—47.)



1. In a sporting gun of the pivoted barrel type, a shell extractor, means for forcing the extractor rearwardly of the barrel each time the barrel is swung about its pivot to open the rear end of the barrel, a unitary automatic ejector mechanism detachably associated with the barrel and adapted to forcibly move the extractor rearwardly when the barrel is swung about its pivot in one direction, and hand actuated means for locking the ejector mechanism in position, said hand actuated means permitting the operator to instantaneously attach or detach the ejector mechanism to or from the gun.

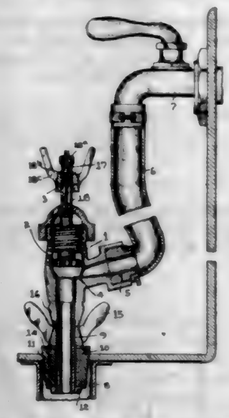
1,558,159. TEE FOR GOLF BALLS. THOMAS CAMPBELL FOTHERS and CHARLES JEFFREYS FORRESTER, Manchester, England. Filed July 24, 1925. Serial No. 45,938. 2 Claims. (Cl. 273—33.)

1. A tee for golf balls comprising a tapered stem having a plurality of flutes therealong and a top of saucer shape central with the stem, as set forth.

1,558,160. GUM-MASSAGE PREPARATION. CLYDE M. GEARHART, Washington, D. C. Filed Apr. 4, 1925. Serial No. 20,863. 6 Claims. (Cl. 167—9.)

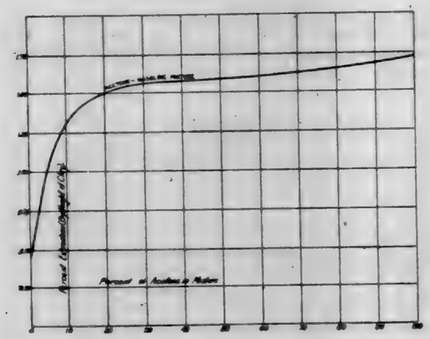
1. A gum massage cream or paste preparation, containing sulfur and an astringent.

1,558,161. WASTE AND DRAIN PIPE CLEANER. HERBERT GUNDERSON, Stanley, Wis. Filed Oct. 17, 1924. Serial No. 744,297. 1 Claim. (Cl. 4—256.)



A waste and drain pipe cleaner comprising a casing provided with a plug member for insertion in the mouths of waste pipes and the like, said casing having a water inlet leg operatively connected to a hydrant spigot for the admission of water under pressure, said casing having a valve seat on a level with the bottom of a passage through the inlet leg, control means comprising a valve cooperative with the seat for trapping a column of water between the obstruction in said waste pipe and the control valve, said valve having a hollow stem with operative threaded connections in the casing to hold the valve against its seat, the stem of the valve having a vertical passage for air under pressure, said valve stem having means at its upper end adapted for the operative connection of a tube from a pneumatic pump for forcing air under pressure through the casing at a point below the valve seat while the valve is closed, causing the removal of the obstruction and the trapped column of water, and a check valve mounted in the stem of the first valve to admit air under pressure and to prevent the back-flow of the trapped column of water.

1,558,162. REVIVIFYING FULLER'S EARTH. FRANK W. HALL, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Original application filed Apr. 20, 1921, Serial No. 462,986. Divided and this application filed Jan. 8, 1925. Serial No. 1,312. 3 Claims. (Cl. 252—2.)



1. The process of treating decolorizing clay which has been used in refining hydrocarbon oil which comprises removing occluded coloring matter by treating with a solvent comprising acetone and gasolene.

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1,558,163. REVIVIFYING FULLER'S EARTH. FRANK W. HALL, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Jan. 8, 1925. Serial No. 1,314. 2 Claims. (Cl. 252—2.)

1. The process of treating decolorizing clays which have been used in refining hydrocarbon oil which comprises washing the clay with a solvent comprising acetone and benzol.

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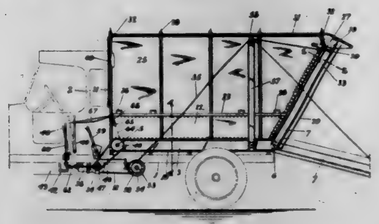
1,558,164. SELF-LOADING BURGLARPROOF TRUCK. EDWIN HORACE HANEY, San Francisco, Calif. Filed May 3, 1924. Serial No. 710,916. 5 Claims. (Cl. 214—65.)



1. A self-loading truck structure including an endless horizontal member forming a load supporting surface, an apron pivoted adjacent the rear end thereof, means for raising and lowering the apron means for driving the supporting surface, and means whereby the surface cannot be driven while the apron is being moved, and vice versa.

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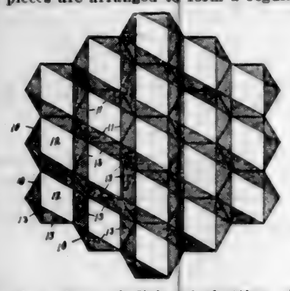
1,558,165. PUZZLE. GEORGE HENRY HASWELL, New York, N. Y. Filed July 8, 1924. Serial No. 724,756. Renewed Sept. 11, 1925. 2 Claims. (Cl. 273—137.)

1. A set of hexagonal game pieces each having a set of six primary indicia adjacent to the six sides thereof, said pieces having secondary indicia so that when the game pieces are arranged to form a regular geometri-



cal figure the primary indicia of abutting edges will be paired, and the secondary indicia will have a predetermined relationship to the complete figure.

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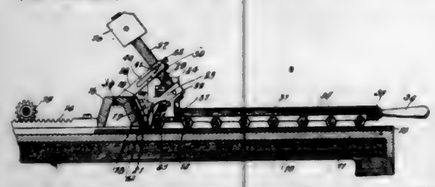
1,558,166. WORKHOLDER FOR SHAVING OR DRESSING MACHINES. HENRY A. HERR. Chicago, Ill. Filed Mar. 2, 1923. Serial No. 622,292. 13 Claims. (Cl. 90—27.)



1. In combination, a work supporting bed, a cutter beneath which the work is movable, a pressure frame pivotally mounted at one end, a plurality of rollers extending across the frame for engagement with the work, said frame extending for a considerable distance in advance of the cutter and having a hand hold at the free end whereby pressure may be exerted to force the rollers against the work, and a link pivotally anchored at one end and having a loose connection at its other end with the said frame for limiting the movement of the frame under such pressure.

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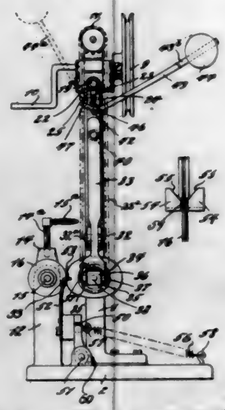
1,558,167. MACHINE FOR GROOVING GLASS. GERARDUS POST HERRICK, New York, N. Y. Filed Dec. 8, 1921. Serial No. 520,828. 18 Claims. (Cl. 51—105.)



2. A machine for cutting a groove in the edge of a lens comprising a cutter, a work-holder, means providing for relative movement between the cutter and the work-holder and work-actuated guide means maintaining the center of the path of the cutter equidistant from the edge corners of the lens, irrespective of variation in thickness thereof.

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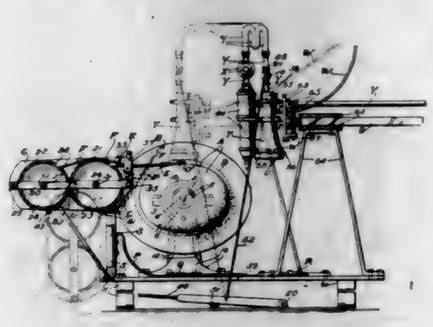
1,558,168. APPARATUS FOR BANDING HATS. ERNEST E. HODGSON, Nutley, N. J. Original application filed July 5, 1923, Serial No. 649,621. Divided and this application filed May 21, 1924. Serial No. 714,856. 27 Claims. (Cl. 223—27.)



1. An apparatus of the class set forth comprising a hat block, means for rotating the block about a horizontal axis, a vertically disposed steam discharge nozzle, means slidably supporting the nozzle to move laterally to and from a position overlying the block, and means adjacent the block for supporting rolled strip of band ribbon and rubber cement.

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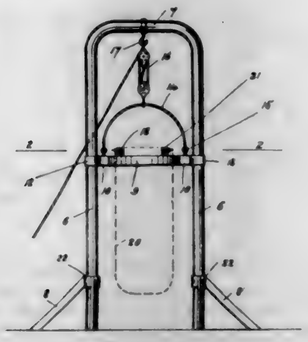
1,558,169. BAG HOLDER. GEORGE C. HUME, Chilton, Wis. Filed June 20, 1923. Serial No. 646,567. 1 Claim. (Cl. 83—26.)



A bag holder, comprising a frame having vertical uprights and a top crosspiece between them, a ring provided with means for supporting a bag and having two radial arms which project laterally from it one at each side at diametrically opposite points and terminate in forks which are slidable on the said uprights, a bail having its ends pivoted to the said arms between the ring and the forks, and a lifting and lowering device suspended pivotally from the crossbar over the center of the said ring and pivotally connected to the bail, said guides, crossbar, radial arms and bail being all arranged in a vertical plane which passes through the center of the said ring.

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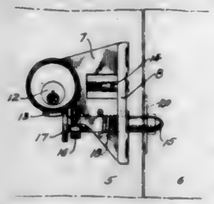
1,558,170. LOCK. NORMAN B. HURD, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Sept. 5, 1924. Serial No. 736,037. 1 Claim. (Cl. 70—46.)



In a lock, a lock frame, a locking bolt mounted for movement thereon, a key operated cylinder lock on said frame, a roll-back on the plug of said cylinder lock and adapted to project said locking bolt into locking position, a spring for moving said locking bolt in an unlocking direction, and means operated by a longitudinal movement of the lock key to hold the bolt in locking position.

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1,558,171. BOOTBLACK STAND. FRANK INFELISE, Lynn, Mass. Filed Apr. 14, 1924. Serial No. 706,327. 1 Claim. (Cl. 15—265.)

In a device of the kind described the combination with a boot black stand having an opening in the front thereof of a curved extension arm on which is pivotally mounted a foot rest having adjustable and locking means comprising a series of teeth in which teeth engage a locking lever, an anchor arm pivoted at one end to the inside rear wall of the stand, a slot provided in the other end of the anchor arm, a pivot pin secured in one end of said extension arm and slidably in said slot, whereby said two arms are connected together within said stand a locking rod positioned within the interior of the stand, a series of notches in the extension arm adapted to engage said rod and lock said extension arm in position when the same is extended through the opening.

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1,558,172. METHOD OF RENDERING ROADS DUST FREE. THEODOR JOSEPH AZON JACOMETTI, Amsterdam, Netherlands, assignor to Nederlandsch-Indische Spiritus Maatschappij, Amsterdam, Netherlands. Filed June 2, 1925. Serial No. 34,468. 2 Claims. (Cl. 94—25.)

1. A method of rendering roads dust-free, consisting in treating the roads with the residual liquid from the distillation of alcohol, as set forth.

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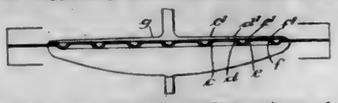
1,558,173. MEMBRANE FOR MANOMETERS. PAUL JATOW, Dodendorf, near Magdeburg, Germany, assignor to Schäffer & Budenberg, G. m. b. H., Buckau, near Magdeburg, Germany. Filed Mar. 20, 1925. Serial No. 17,140. 1 Claim. (Cl. 137—157.)

In a measuring instrument, a chamber having a pressure medium inlet, a resilient diaphragm arranged in said chamber and having substantially flat annular sur-

faces alternating with annular corrugations directed toward the inlet side of said chamber, and a substantially flat supporting surface on one wall of said cham-



ber, against which the flat annular surfaces of the diaphgram immediately abut when the normal maximum pressure is exceeded.

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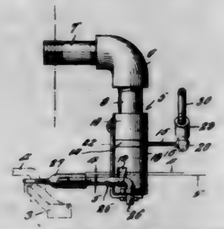
1,558,174. AUXILIARY AIR VALVE FOR CARBURETORS. DEMARB JEANNIES, Mamou, La. Filed June 26, 1924. Serial No. 722,606. 1 Claim. (Cl. 277—19.)



In combination with the carburetor and intake manifold of an internal combustion engine, an auxiliary air valve comprising an inner stationary cylinder, a median cylinder rotatably mounted on the inner cylinder and an outer cylinder, rotatably mounted on the median cylinder, an annular groove in the periphery of the inner cylinder, radial apertures connecting the interior of said cylinder with the groove, an angularly disposed radial aperture in the periphery of the median cylinder adapted to register with the annular groove, a radial rectangular aperture in the periphery of the outer cylinder adapted to register with said angularly disposed aperture upon rotation of the cylinders, and means whereby the median cylinder and the outer cylinder may be rotated.

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1,558,175. MANUFACTURE OF GRAMOPHONE DISK RECORDS. FREDERICK WILLIAM JONES, Jr., Croydon, England, assignor to Columbia Graphophone Company, Limited, London, England. Filed Oct. 15, 1923. Serial No. 668,739. 12 Claims. (Cl. 18—48.8.)

1. A gramophone disk record formed under the influence of pressure from one or more porous disks of a thermoplastic material.

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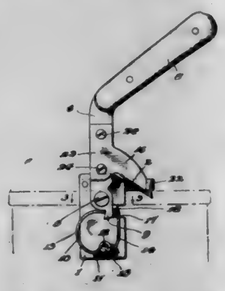
1,558,176. CAN OPENER. JASON JONES, Dover, Okla. Filed Apr. 20, 1925. Serial No. 24,549. 5 Claims. (Cl. 30—3.)



1. A can opener comprising a mounting member adapted to be positioned at the side of a can and extend above the can, means for retaining said mounting member against vertical movement when placed against a can, a handle connected with said mounting member for movement towards and away from the head of the can, a cutting blade carried by said handle for cutting through the head of the can, when the handle is moved downwardly, and means normally holding said handle against downward movement.

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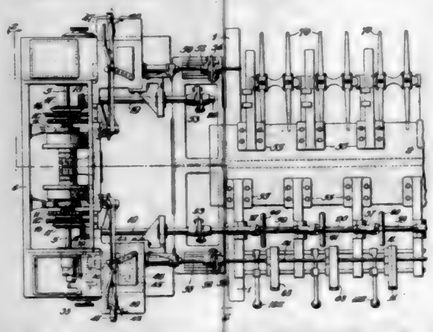
1,558,177. AUTOMATIC WINDING MACHINE. JEAN JOSEPH and DAVID THEODORE BERLIZHEIMER, Philadelphia, Pa., assignors of one-third to Gustavus Josephs, Philadelphia, Pa. Filed Aug. 21, 1924. Serial No. 733,412. 15 Claims. (Cl. 242—36.)



1. In a winding machine, a quill, means including a floating drive to rotate said quill, a carriage, means to reciprocate the carriage, a thread carrier box for said carriage, means to effect step by step advance of said carrier box during carriage reciprocation, a vertically disposed, pivotal thread carrier within said carrie box mounted to move inwadly under the influence of gravity upon thread breakage and multiple quick acting trip mechanism common to said quill operating and carrier box operating means, connected with respect to said thread carrier and operative to stop said quill and carrier box.

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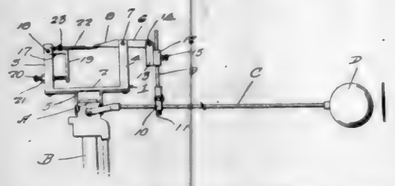
1,558,178. FLOAT-BALL REGULATOR. JOSEPH A. JUNG, Springfield, Ohio. Filed Feb. 4, 1925. Serial No. 6,744. 5 Claims. (Cl. 137—104.)



1. In an apparatus of the class described, a supporting structure, a spring on the supporting structure, a movable member adapted to be actuated by the float and to trip past the spring.

5. An apparatus of the class described including a supporting structure, a regulating lever pivoted on the supporting structure, a spring fixed on the lever, means for adjusting the lever, a trip lever pivotally mounted on the supporting structure so that one end moves to trip past one end of the spring, and means on the trip lever for attaching it to a float.

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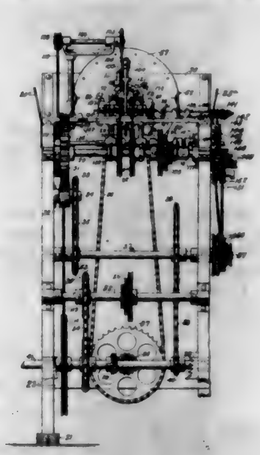
1,558,179. WINDING AND TWISTING MACHINE. CHARLES R. KEEFER, Baltimore, Md. Filed Oct. 6, 1924. Serial No. 742,018. 19 Claims. (Cl. 117—14.)

1. A machine of the character described including parallel bars, means to wind lines around these parallel bars, means to feed the wound lines along the parallel



bars, means to cut the lines between the parallel bars, means to carry pairs of strands into positions for receiving sections of said lines between these strands of each pair, means to twist the strands of each pair with



said cut lines therebetween, means to carry the twisted strands forward, and means to adjust the said parallel bars towards and from one another for the purpose specified.

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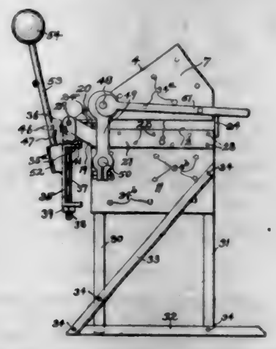
1,558,180. BENDING BRAKE. THOMAS J. KELLEHER, Chicago, Ill. Filed Apr. 16, 1924. Serial No. 706,896. 4 Claims. (Cl. 153—16.)



1. In a bending brake, a bed provided with ends integral therewith, bars rigidly secured to said ends and extending forward thereof, and pivots in said extended ends, in combination with a folding leaf comprising U-shaped members mounted on said pivots, bolts non-rotatably extended through the horizontal bar of said U-shaped members respectively, a channel iron mounted on said bolts, and nuts on the lower and screw-threaded ends of said bolts, adapted to determine the position of said channel iron relative to said pivots.

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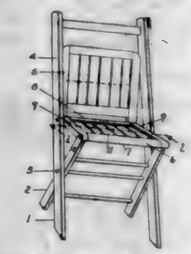
1,558,181. CHAIR. WILLIAM E. KIDDER, Kalamazoo, Mich. Filed Mar. 4, 1922. Serial No. 540,993. 2 Claims. (Cl. 155—178.)

1. A chair seat or back comprising a rectangular frame provided with opposed side members having grooved inner edges and opposed side members having bores in their inner edges, a filling comprising a plurality of slats having their ends loosely engaged in said grooves, and



a resilient supporting rod disposed transversely below said slats with its ends loosely engaged in said bores and yieldingly supporting said slats.

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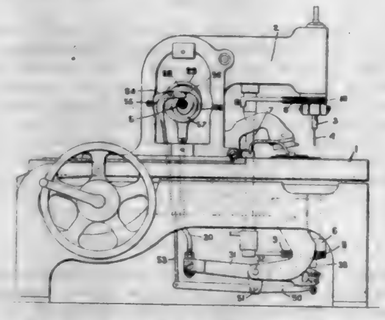
1,558,182. SEWING MACHINE. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Dec. 17, 1923. Serial No. 681,060. 11 Claims. (Cl. 112—157.)



1. In a sewing machine, the combination with a needle operating from above the work, of two loopers and loop-spreading means situated beneath the work, a movable looper-actuating member beneath the work, means for giving said member a harmonic movement, and cam elements for translating said harmonic movements of the looper-actuating member into an irregular motion of the loopers.

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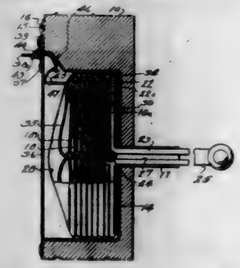
1,558,183. VEHICLE SIGNAL. PAUL C. KLINGBEIL, Remsen, Iowa. Filed June 16, 1925. Serial No. 37,434. 5 Claims. (Cl. 116—40.)



1. In a vehicle signal, a casing, a door hinged to the casing and having at its hinged end an inwardly extending hook, said door being spring-urged toward open position, a lazy tongs structure mounted in the casing, means

for extending the lazy tongs beyond the casing, and a finger on the free end of the lazy tongs adapted to engage said hook when the lazy tongs is retracted into the casing to thereby close the door, said finger when the door is closed being engaged between the hook and the door to maintain the latter against vibration.

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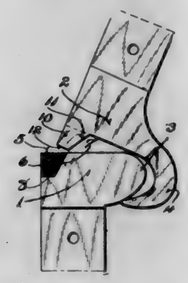
1,558,184. INTERLOCKED JOINT. JOHN H. KLUENDER, Kenosha, Wis. Filed Oct. 31, 1924. Serial No. 747,012. 2 Claims. (Cl. 287—103.)



2. An interlocking joint comprising a male member having a head provided with a rounded protuberance at one side, a female member having a head provided with a grooved lip projecting from one side and adapted to enclose said rounded protuberance, one member having a pair of spaced lugs on the opposite side from its interlocking engaging element, and the other member having a correspondingly positioned central lug for intermeshed engagement with the spaced lugs of the other member when said joint has been locked in its rocked position, whereby the parts are held against lateral motion.

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1,558,185. MANUFACTURE OF UREA FROM AMMONIUM CARBAMATE. NORMAN W. KRASE, Clarendon, Va., and VERNID LESESSNE GADDY, Dillon, S. C., assignors to Richard C. Tolman, trustee. Filed Mar. 25, 1921. Serial No. 455,496. 2 Claims. (Cl. 260—125.)

1. The process of making urea from a mixture of ammonium carbamate and ammonium carbonate, comprising compressing the mixture, charging the compressed mixture into a heated autoclave and maintaining the heat of the autoclave.

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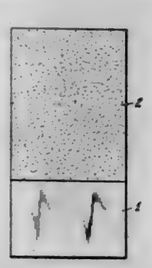
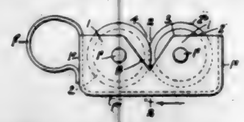
1,558,186. COMPOSITE SHINGLE. VINCENT F. LAKE, Demarest, N. J., assignor to Slate Veneer Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 22, 1922. Serial No. 608,413. 3 Claims. (Cl. 108—8.)



1. A composite shingle comprising a backing of adhesive binding material and a facing of slate veneer.

1,558,187. KNIFE SHARPENER. DAVID LAMBERT, Cleveland, Ohio. Filed Nov. 15, 1923. Serial No. 674,895. 12 Claims. (Cl. 76—87.)



12. A sharpener comprising a support, and axially arranged sharpening disks tiltably mounted on said support.

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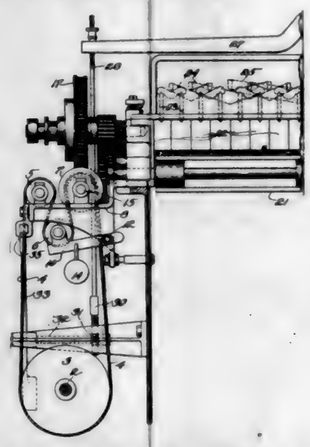
1,558,188. EVENER MECHANISM. FELIX D. LANGEVIN and ROBERT S. CURLEY, Lowell, Mass., assignors to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 25, 1924. Serial No. 694,837. 5 Claims. (Cl. 19—70.)



1. In an evener motion, the combination of a drum, a cone pulley, a belt connecting said drum and pulley and operative to drive one of said parts from the other, means for adjusting said belt longitudinally of said cone pulley, a weighted drum bearing on said belt, and means for supporting said weighted drum for movement to cause it to maintain a substantially constant tension on said belt notwithstanding changes in position of said belt on said pulley.

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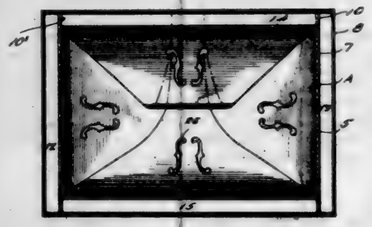
1,558,189. RADIO AND PHONOGRAPHIC AMPLIFYING RESONATOR. WILLIAM C. LARSON and CHARLES P. WEGNER, Two Harbors, Minn. Filed Apr. 26, 1923. Serial No. 634,816. 2 Claims. (Cl. 181—27.)



1. A sound amplifying horn comprising a tone chamber and throat having a continuous sound conduit therethrough and including inner and outer spaced walls, end pieces connecting the walls together at the outer terminals of the throat and tone chamber, certain of the inner walls being extended to engage the inner surface of the outer walls to form independent compartments, said extended portions of the inner walls being provided with openings to establish communication between all of the compartments.



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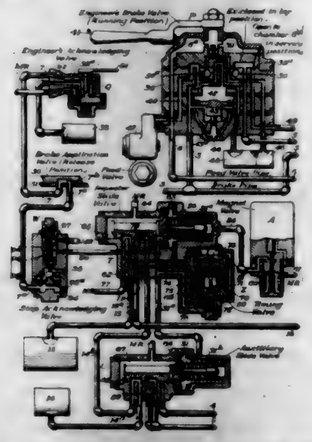
1,558,190. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LLOYD V. LEWIS, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 6, 1923. Serial No. 666,923. 31 Claims. (Cl. 246—182.)



1. In combination with an automatic fluid pressure braking mechanism for a railway train, manually operable means for applying the brakes, trackway apparatus responsive to traffic conditions in advance, train carried means for cooperating with said trackway apparatus and effective under unsafe conditions in advance to apply the brakes automatically after a time interval the length of which is dependent upon the speed of the train, and means operating only when said manually operable means is shifted to brake applying position for delaying said automatic brake application for a fixed interval of time.

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1,558,191. EARPIECE. BRUNO LINDEMANN, Hamburg, Germany. Filed Dec. 27, 1924. Serial No. 758,329. 4 Claims. (Cl. 179—182.)

3. In an ear piece, two semi-spherical soft resilient members cemented together around the edge thereof, each member having a centrally positioned opening therein.

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1,558,192. BOOT OR SHOE. ALEXANDER LINDGREN, Manchester, N. H., assignor of one-half to Hovey E. Slayton, Manchester, N. H. Filed Apr. 7, 1923. Serial No. 630,487. 4 Claims. (Cl. 36—71.)

1. A boot or shoe of the kind described, having a foot contacting insole portion free for vertical movement relatively with the rest of the shoe, a metallic member fitted under said freely moving portion, means securing said metallic member adjacent the forepart of the shoe, and

means operating from the outside of said shoe to effect the movement of said metallic member and vary the vertical position of the free insole portion.

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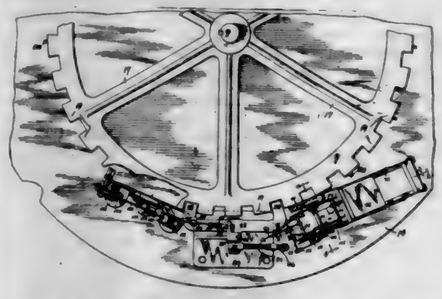
1,558,193. SAFETY DOOR. CHARLES H. LUCKING, Detroit, Mich. Filed Aug. 24, 1923. Serial No. 659,238. 15 Claims. (Cl. 70—50.)



1. In a locking mechanism for a revoluble door, the combination of a latch wheel connected to the door and provided with notches, a latch adapted to be moved to engage in said notches, means to move the latch into and out of engaging position, a plurality of controlling means to cause the latch to be moved into engaging position, and a plurality of devices to cause the latch to be moved out of engaging position.

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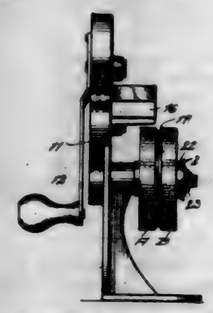
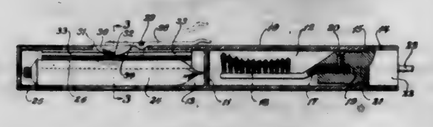
1,558,194. SHARPENING MACHINE. MELCHIOR L. LUEBBEN, St. Louis, Mo., assignor to Luebben Products Company, St. Louis, Mo., a Corporation of Missouri. Filed Dec. 19, 1923. Serial No. 681,494. 4 Claims. (Cl. 51—116.)



1. An implement sharpening assembly comprising a pair of rotary abrading disks, a face of each disk being inclined in opposite directions from an annular apical point constituting a sharp line concentric with the axis of the disk, said lines of the respective disks registering

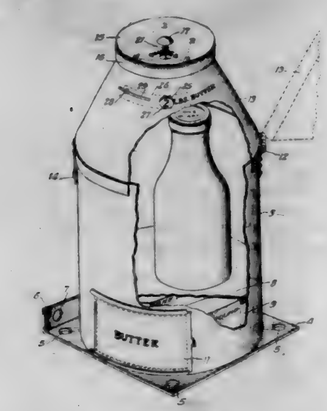
and in contact with each other whereby to form grinding contacts with an edged instrument, in combination with means for holding the disks yieldably in contact and driving them in unison.

1,558,195. DENTIFRICE RECEPTACLE. FRANK H. MCENANEY, Brooklyn, N. Y. Filed Mar. 26, 1924. Serial No. 702,114. 2 Claims. (Cl. 221—60.)



1. An article of the class mentioned including a receptacle open at one end, a dentifrice tube adapted to be inserted in said receptacle, a yieldable presser member overlying the entire length of the tube and coacting with the inside walls of said receptacle and operable means for moving said presser member into pressing engagement with said tube, said means comprising a lever fulcrumed to said receptacle and having a head engaging said presser member.

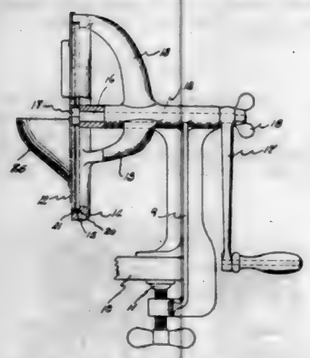
1,558,196. RECEPTACLE FOR MILK AND BUTTER. ERNEST MAGNUSON and MILTON G. SMITH, Freeport, Ill. Filed July 12, 1923. Serial No. 651,030. 1 Claim. (Cl. 220—1.)




A receptacle of the character described, comprising a cylindrical body portion provided with a transverse partition dividing the same into an upper milk bottle compartment and a lower butter compartment, a door through which access may be had to said lower compartment, a truncated cover for said upper compartment hinged at one side thereof, and a cap rotatably mounted on the top of said truncated cover and adapted to be rotatably adjusted to indicate contents of said compartments.

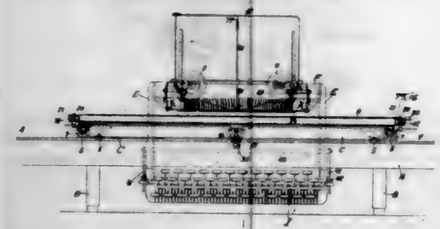
1,558,197. FOOD CUTTER. WILLIAM G. MANSUY, Detroit, Mich. Filed Apr. 16, 1925. Serial No. 23,508. 4 Claims. (Cl. 146—114.)

3. A food cutter of the class described comprising a supporting member; a rim member carried by said supporting member; a rotatable shaft carried by said supporting member extending axially of said rim member, said shaft having the end adjacent said rim member provided with flat faces; a cutting element comprising a disc adapted for mounting loosely on said flat faces, said disc having an opening formed therein of the con-



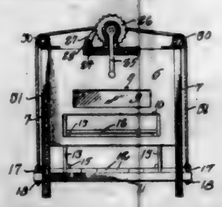
tour of said shaft at said flat faces; and means cooperating with said rim member for retaining said disc in operative relation on said shaft.

1,558,198. APPARATUS FOR BOOKKEEPING. CARL MICHELSEN, Rostock, Germany. Filed Jan. 15, 1924. Serial No. 686,434. 18 Claims. (Cl. 197—126.)



1. A typewriting machine, comprising printed mechanism, a platen adapted to have sheets placed thereon, and means adapted to have a part of said sheets fixed thereto and to be shifted therewith over the surface of the platen.

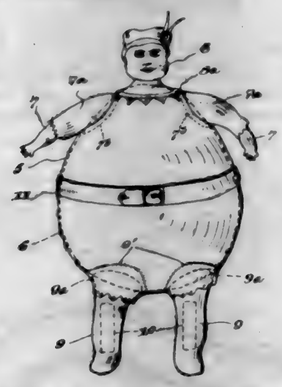
1,558,199. INCUBATOR. MORGAN T. MORGAN, Anaconda, Mont. Filed Apr. 17, 1922. Serial No. 553,369. 1 Claim. (Cl. 119—35.)



An incubator comprising a main housing including a top, wall, side walls, and a vertical movable bottom wall, supporting legs for the main housing extending below the lower surface thereof and forming a guide for the lower wall, an upstanding frame carried by the lower wall adapted to extend into the main housing, a sliding egg supporting tray associated with the frame, the lower wall being extended beyond the side walls of the housing and the legs and provided with supporting eyes, a transversely extending rotatable drum carried by the top wall and disposed at a point equi-distant from the ends thereof, means for rotating the drum, the guide pulleys carried by the top wall and arranged on each side of the drum, and lifting cables secured to the extended portions of the lower wall and trained about said pulleys and secured to the drum, as and for the purpose specified.

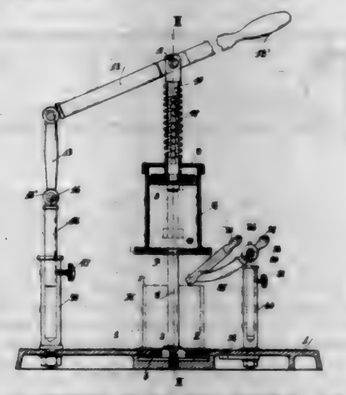


1,558,200. AQUATIC DOLL. ALBERT E. MURPHY, Chicago, Ill. Filed Aug. 17, 1922. Serial No. 582,455. 4 Claims. (Cl. 46—40.)



4. An aquatic doll comprising a substantially hollow body portion having leg openings therein and a relatively enlarged opening for the reception of a buoyant member, weighted legs insertible through said enlarged opening and positioned in said leg openings said legs having enlargements at their upper ends, the dimensions of which are greater than the dimensions of said leg openings whereby when said doll is afloat the said enlarged portions will engage the inner walls of said openings.

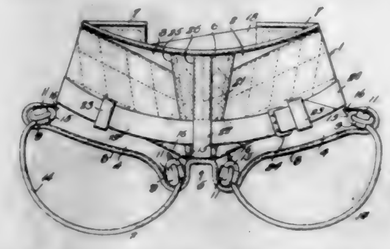
1,558,201. PRESS OF THE COMPRESSED-AIR TYPE FOR THE CASTING OF PRECIOUS METALS. RENÉ VICTOR NINCK, Nice, France. Filed Feb. 29, 1924. Serial No. 695,947. 10 Claims. (Cl. 22—69.)



4. In an apparatus of the class described, a flask, a pump for supplying air to said flask, said pump comprising a cylinder and piston, means formed on the stem of said piston for cooperating with means formed on said cylinder for adjusting the relationship of the cylinder and piston whereby the amount of air supplied to said flask may be varied.

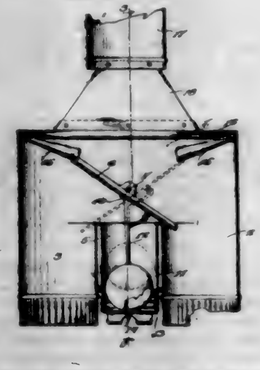


1,558,202. SUPPORTER. ROBERT REED NORWOOD, Mineral Wells, Tex. Filed Jan. 17, 1923. Serial No. 612,068. 1 Claim. (Cl. 128—96.)



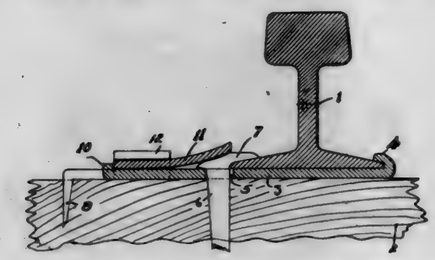
An abdominal support in the form of a belt comprising side members and an extension located between the side members and secured to the forward ends of the side members; the extension having downwardly converging side edges and the upper edge of the belt being downwardly concaved continuously from one end of the belt to the other and the lower edges of the side members being straight and converging downwardly from the ends of the belt to the extension whereby the belt will assume a definite and fixed frusto-conical form about the body of the wearer, the upper edge of the extension being continuous and unbroken and there being a continuous binder along the entire upper edge of the belt to aid in preserving said definite and fixed frusto-conical form in the belt; keepers secured to the belt at the lower edge thereof and upon the front thereof, tongues extending through the keepers, means for connecting the tongues detachably together at the front of the belt, the tongues being crossed on each other at the rear of the belt and being connected to the rear ends of the side members near to the upper edges thereof, the construction being such as to aid in preserving the said frusto-conical form of the belt, the side members of the belt having depending wings, and perineal straps carried by the wings.

1,558,203. CISTERN CUT-OFF. JAMES P. OLSON, Sanford, Fla. Filed May 6, 1925. Serial No. 28,451. 2 Claims. (Cl. 137—9.)



1. A device for the purpose set forth comprising a casing having a plurality of outlets in its bottom, a float chamber between the outlets, a tiltable cut-off plate mounted within the casing above and extending entirely across the float chamber and having a central opening, there being a vent in the bottom of the float chamber, and an imperforate float in the float chamber connected with one side of the tiltable valve whereby to normally direct water into one outlet.

1,558,204. LOCKING TIE PLATE FOR RAILS. HENRY PODOLSKY, San Francisco, Calif. Filed Sept. 4, 1924. Serial No. 735,741. 2 Claims. (Cl. 238—294.)



1. An article of manufacture comprising the combination of a flat plate, having an upturned flange at one end to embrace a rail flange, two downwardly turned prongs, a spike opening, a pair of inturned flanges and an upturned locking lug between said flanges and a spring plate, adapted to be driven under the inturned flanges and over the top of a spike head.

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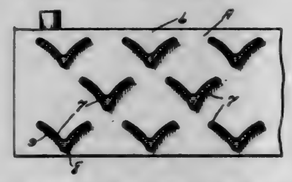
1,558,205. AUTOMOBILE RADIATOR. OTTO SIEFKEN, Rockford, Iowa. Filed Apr. 3, 1924. Serial No. 704,062. 1 Claim. (Cl. 257—129.)



A radiator comprising an upper inlet tank, a lower outlet tank, a plurality of tubes connecting the tanks together, each tube including a tapered leading end, and arcuate oppositely inclined wings, the tubes being arranged in staggered relation relative to one another, and gradually tapering toward their upper ends, as and for the purpose specified.

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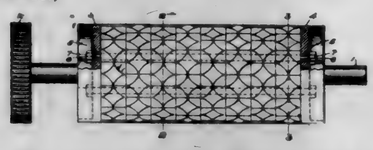
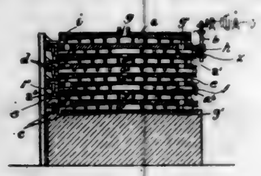
1,558,206. DIE ROLLER. DAVID G. SIMPSON, Brooklyn, N. Y., assignor to Loose Wiles Biscuit Company, Long Island City, N. Y., a Corporation of New York. Filed May 26, 1922. Serial No. 563,813. 7 Claims. (Cl. 107—23.)



7. A die roller particularly adapted for use in cutting dough or like material comprising in combination, a shaft, a series of adjoining die block rings 8 upon said shaft, each ring having a hub 14 keyed to the shaft, a radial web portion 13 projecting from said hub and having a plurality of transverse openings, a circumferential series of die blocks removably supported at the outer extremity of each of said flanges, a pair of heads 3, 4 keyed on said shaft, one at each end of said series of die block rings, bolts 6 extending longitudinally of the shaft through said heads and through said transverse openings in the web portions of the die block rings, and securing means at the opposite ends of said bolts whereby the rings may be drawn into and held in adjoining relation between said heads.

1,558,207. MECHANICAL ROASTING FURNACE. GEORG STOHN, Stolberg, Germany. Filed Jan. 26, 1921. Serial No. 440,231. 2 Claims. (Cl. 263—26.)



1. Mechanical roasting furnace having a series of superposed roasting chambers, each consisting of a stationary hearth-plate and a rotating hearth-plate, rotated from the periphery, the individual rotary hearth-plates being operated by separate and independent driving means.

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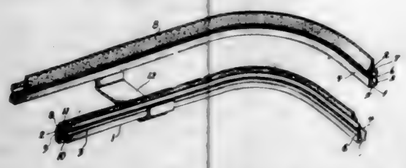
1,558,208. BALL-TRACK RAIL FOR GAME TABLES AND THE LIKE. THEODORE R. TREIBER, Chicago, Ill., assignor, by mesne assignments, to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 8, 1923. Serial No. 656,317. 15 Claims. (Cl. 273—3.)



1. A support rail of the character described having an open sided longitudinally extending interlock channel adapted to interlock with a bearer, strip shaped to enter the channel endwise and interlock therewith.

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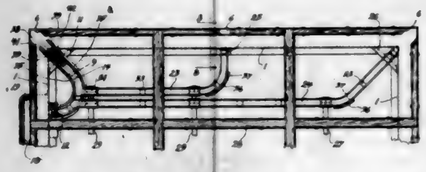
1,558,209. GAME TABLE. THEODORE B. TREIBER, Chicago, Ill., assignor, by mesne assignments, to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 8, 1923. Serial No. 661,647. 9 Claims. (Cl. 273—11.)



1. A pocket game table including a pair of independent gullies leading from respective adjacent pockets of the table and inclined downwardly therefrom and curved in directions toward the part of the table between said pockets and discharging in a direction outwardly therefrom at horizontally spaced points, and independent gullies leading and inclining downwardly from the other pockets of the table and discharging into respective of said first mentioned gullies at intermediate points thereof.

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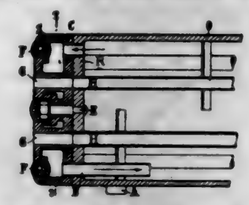
1,558,210. STEAM BOILER. MIECZYSLAW VON POKRZYWNICKI, Warsaw, Russia. Filed Feb. 9, 1914, Serial No. 817,506. Renewed Jan. 20, 1922. Serial No. 530,639½. 2 Claims. (Cl. 122—461.)

1. In a boiler, the combination with a fire pipe, of a superheater disposed therein and comprising a casing terminating within the fire pipe, smoke pipes extending longitudinally throughout the casing and fixed to the ends thereof, and an independent casing fixed to the front end of the first mentioned casing and constructed to offer greater resistance to disintegration under the action of heat than do the walls of the first mentioned casing, the two casings having means of intercommunication and the second mentioned casing having openings leading from the fire tube to the front ends of the smoke tubes.



2. In a boiler, the combination with a fire pipe, of a superheater arranged therein and comprising a casing, a protective casing in advance of the first mentioned casing and connected thereto, a relatively short pipe affording communication between the upper portions of the casings, and a relatively long pipe affording communication between the lower portions of the casings.

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1,558,211. LINE-TESTING APPARATUS. CHARLES DAVID WILLIAMS, Silver Lake, Kans. Filed May 4, 1922. Serial No. 558,423. 4 Claims. (Cl. 173—273.)

1. In a wire line testing apparatus, a hollow staff of conducting material, a head of insulating material supported upon the upper end of said staff and having an opening alined with the opening of said staff, wire line connectors mounted on the staff and operating in the opening of the staff in the head, said wire line connectors comprising strips of resilient metal, a block of insulating material interposed between the inner portions of the strips and fastening devices for securing the strips to the block whereby the strips are mechanically connected and electrically insulated, one of said strips having electric contact with the hollow staff, the other strip being spaced and insulated from the hollow staff, and a binding post carried by the head and having electric contact with the strip insulated from the hollow staff.

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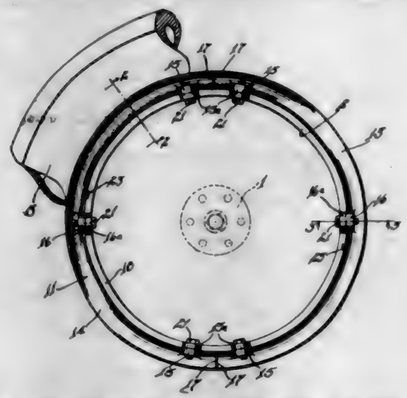
1,558,212. RIM FOR VEHICLE TIRES. CARL FRED WOLF, Chicago, Ill. Filed Nov. 27, 1922. Serial No. 603,664. 1 Claim. (Cl. 152—21.)

A device of the type described comprising a rim section having an integral tire retaining flange on one side and an annular groove disposed adjacent to the other side, a tire retaining ring consisting of two semi-circular pieces having flanges adapted to enter said groove, lugs having threaded bores and being carried by said pieces, each of said pieces having one of the lugs disposed adjacent to each end thereof, and having one lug disposed intermediate the ends, said lugs projecting laterally from said pieces and having their inner surfaces disposed nearer the radial center of the pieces than the inner surfaces of said pieces, lugs carried by said rim section and being positioned on said rim section so as to be aligned with said first named lugs when



said pieces are disposed on the rim section, the lugs on said rim section that align with the lugs disposed adjacent to the ends of said pieces having slots therein, and bolts securing adjacent lugs together.

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1,558,213. HOLDER FOR LICENSES, ETC. THOMAS RALPH ATKINS, Lynn, Mass., assignor of one-half to Ralph M. Davis, Lynn, Mass. Filed June 17, 1924. Serial No. 720,553. 3 Claims. (Cl. 224—26.)

3. In a holder of the character stated, a pouch composed of two duplicate parts or sections of flexible sheet material, each including a body portion and a flap portion, stitches connecting opposite ends of the body portions, so that said portions form the sides of a storage space, the flap portions projecting in opposite directions from said space, and complemental fastener members fixed to said flaps and adapted to be interengaged to couple the flaps together at the inner side of the pouch, so that the flaps collectively constitute a support-engaging member adapted to bear on one side of a supporting strap interposed between the flaps and the inner side of the pouch, one of the flaps forming the bottom of the storage space, the outer side of the pouch being provided with a fastener member adapted to engage a complemental fastener member on the flap of a folder inserted in said space.

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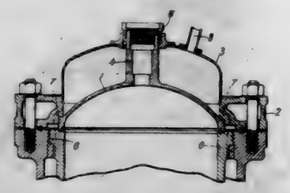
1,558,214. CYLINDER HEAD OF INTERNAL-COMBUSTION ENGINES. VADIME ARCHAOULOFF, Paris, France. Filed July 20, 1923. Serial No. 652,867. 1 Claim. (Cl. 123—123.)

A cylinder construction including in combination a jacketed body, a liner therein, a head including a semi-cylindrical main portion provided with a depending annular collar the lower edge of which is seated on the upper edge of the liner, a jacketed ring embracing the upper edge of the collar on the main portion and seated on the upper edge of the cylinder body, means for detachably fastening the ring to the cylinder body so as to releasably clamp the main portion of the head in

position, a central tubular valve seating member integral with and rising from the top of the main portion, a cover carried by the ring and arranged in spaced relation to the main portion so as to form a cooling chamber therebetween, the ring and the cylinder body being provided with aligning passes for allowing the cooling liquid to circulate between the chamber and the jacketed cylinder body, and a stuffing box provided centrally on the cover and embracing the outer surface of the central valve seating member, substantially as and for the purposes set forth.



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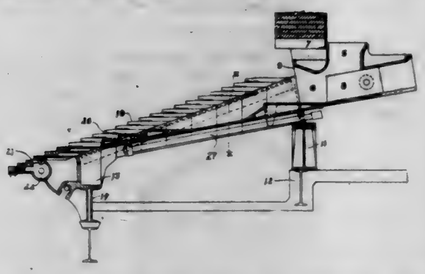
1,558,215. STOKER CONSTRUCTION. OTTO ARAM, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 17, 1920. Serial No. 410,865. 11 Claims. (Cl. 110—44.)



2. An underfeed stoker having a combustion grate formed of alternately disposed tuyères and retorts, front and rear supports for the said grate, and a frame comprising structural beam members connecting the said supports and supporting the tuyères and walls of the retorts.

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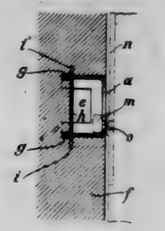
1,558,216. BEDSTEAD AND LIKE JOINT. WILHELM BACHMANN, Zurich, Switzerland. Filed Dec. 30, 1922. Serial No. 610,009. 2 Claims. (Cl. 5—299.)



1. In a bedstead or like joint, the combination with a wooden bedstead element having a circular recess and an annular groove of the same outside diameter as the recess made at the bottom of the latter, of a cylindrical metal casing adapted to fit said recess and to engage said annular groove, a bar held in diametrically opposite slots in the casing wall, said bar being normally bent outwards so that it can be driven into the surrounding wood by straightening it against the bottom of the recess, and shoulders formed on said bar at some distance from the ends thereof, so that they will engage and be stopped by the casing wall when the bar is thus straightened.

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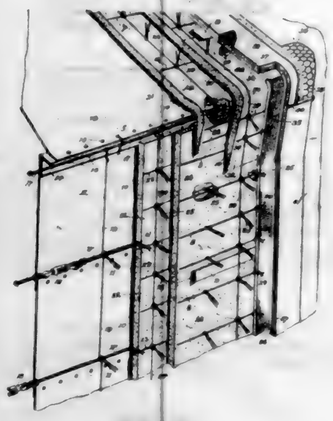
1,558,217. INSULATION FOR OIL TANKS. LESLIE A. BALDWIN, St. Louis, Mo., assignor to Johns-Manville, Inc., a Corporation of New York. Filed June 1, 1923. Serial No. 642,843. 9 Claims. (Cl. 220—1.)



1. The combination with an oil tank of a plurality of tie wires supported by the walls of said tank and extending outward therefrom; sheet insulation arranged in one or more layers pierced by said tie wires and surrounding said tank; metal lath overlying said sheet insulation and held in place by said tie wires; and hardened plastic heat insulating material overlying and supported by said lath.

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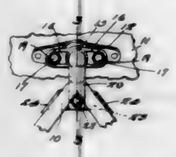
1,558,218. RADIUS-ROD BRACE. WILLIAM G. BALDWIN, Castle Hayne, N. C. Filed Aug. 15, 1923. Serial No. 657,619. 2 Claims. (Cl. 267—66.)



1. In combination with a motor vehicle radius rod, a ball at one end of said rod, a socket member for receiving the ball, a socket cap, resilient means for securing the socket cap to the socket member, an arm carried by and extending from the cap and means for resiliently securing said arm to the radius rod.

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1,558,219. MULTICOLORED PRINTING. ROBERT B. BARTON, Chicago, Ill. Filed Dec. 5, 1921. Serial No. 520,143. 2 Claims. (Cl. 101—211.)

1. The improved method of multi-color printing which consists in photographically producing a glass negative of the subject through a screen and also of the screen, making a positive print of the subject negative on copper and also of the screen negative, etching the two positive plates, transferring an ink imprint of the etched subject plate to the etched screen plate, producing therefrom electroplates corresponding in number to the color units present in the subject, eliminating from each of said plates those portions of the subject having other than the single color selected for printing by that plate, then printing from the plates in succession and in appropriate register relation by inks corresponding in color to that of the subject-fraction represented in the particular plate.



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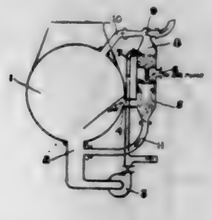
1,558,220. VAPOR CONDENSER. KARL BAUMANN, Urmston, England, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 13, 1920. Serial No. 403,256. 12 Claims. (Cl. 257—24.)



1. The combination with a condenser, of an air withdrawal conduit leading from the condenser to an evacuation pump, a heat-interchanger interposed in said conduit, and means for passing water through said heat-interchanger to cool the air prior to its delivery to the pump, and means for cooling said water prior to its delivery to said heat-interchanger, comprising a chamber into which said water is delivered and an auxiliary evacuation pump for maintaining a low absolute pressure in said chamber for effecting a vaporizing of a portion of the water passing through the chamber.

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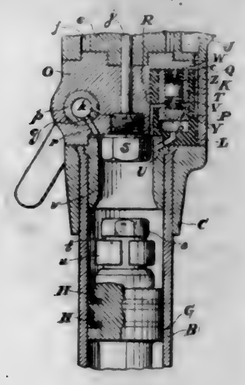
1,558,221. LUBRICATOR FOR ROCK DRILLS. LEWIS C. BAYLES and FRED M. SLATER, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 12, 1924. Serial No. 731,540. 6 Claims. (Cl. 184—18.)



1. A rock drill comprising a hammer cylinder, an air feed cylinder, a reservoir adapted to supply oil to both of said cylinders, a lubricating device including a casing having an oil inlet from said reservoir and an outlet to the feed cylinder, a hollow plunger within said casing adapted to be actuated by air from the feed cylinder to receive oil from said inlet, and a piston within said plunger to discharge the oil from said plunger through said casing into the feed cylinder.

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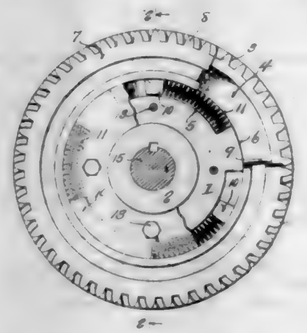
1,558,222. BACKLASH TAKE-UP FOR GEARS. ALBERT BEETOW, Milwaukee, Wis. Filed Jan. 14, 1924. Serial No. 686,090. 1 Claim. (Cl. 74—28.)



A gear comprising a main body member provided with teeth, an auxiliary ring-like member provided with teeth, said members having interengaging annular members, said main member having a plurality of separate annular recesses, said auxiliary member having a plurality of inwardly directed radial lugs located within said separate recesses, a plurality of springs seated within said recesses and bearing against said lugs, said main member having a hub, and a retaining ring surrounding said hub closing said separate recesses and retaining said lugs within said recesses, said retaining ring being carried between shoulders formed on said main and auxiliary members.

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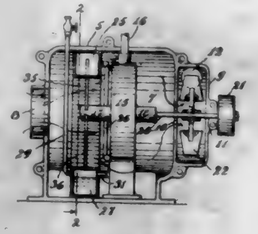
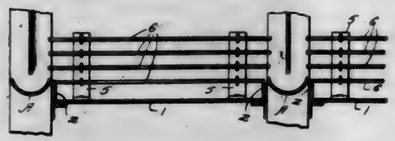
1,558,223. ENGINE. EMIL BEHRINGER and LEWIS HATCH, Brooklyn, N. Y., assignors to Wisner Manufacturing Company, New York, N. Y., a Corporation of New York. Filed Oct. 23, 1921. Serial No. 510,403. 5 Claims. (Cl. 60—96.)



2. The combination with a housing comprising an engine containing chamber, there being an air inlet opening at one end, of a fan casing at the other end communicating with the chamber, an engine in said housing, a condenser for the exhaust of said engine disposed between said air inlet and said engine, and a fan mounted in the fan casing and acting to draw a draft of air into said inlet opening and then over said condenser and said engine.

1,558,224. REMOVABLE DECK FLOOR FOR LIVE-POULTRY CARS. ROY BENTLEY, Sabetha, Kans., assignor to Frank X. Mudd, Chicago, Ill. Filed Apr. 12, 1923, Serial No. 631,615. Renewed Aug. 26, 1925. 1 Claim. (Cl. 119—12.)

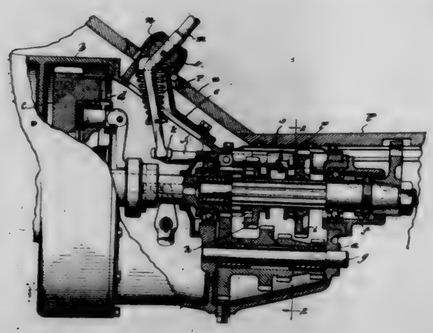


In combination with a car for transporting live poultry, the car having spaced troughs and supports therefor, a movable floor, said floor having relatively low open portions integral with it at its sides rising therefrom and constituting guards serving as the sole means to prevent escape of poultry below the troughs, brackets rising from the floor at the rear thereof, and rods mounted by said brackets above the guards, said rods being of a length greater than the distance between the supports.

1,558,225. TOOTH-CLEANING INSTRUMENT. JULIUS C. BOEKER, Mount Olive, Ill. Filed Aug. 9, 1923. Serial No. 656,491. 2 Claims. (Cl. 15—210.)

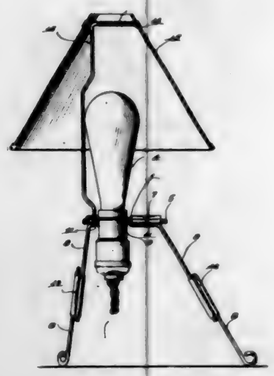
1. A tooth cleaning instrument comprising a handle, gripping members extending therefrom and normally separated at their outer portions, the opposing sides of the said members being formed with grooves closed at their inner ends and opening at their outer ends through the ends of the said gripping members, the grooves extending longitudinally of the said gripping members, means for drawing the members together, and a pad slidably insertable endwise between the grooved outer end portions of the gripping members, the said pad being provided at its opposite sides with ribs engaging in the grooves.

1,558,226. TRANSMISSION. JAMES SCRIPPS BOOTH, Detroit, Mich. Filed Nov. 6, 1924. Serial No. 748,120. 1 Claim. (Cl. 74—39.)



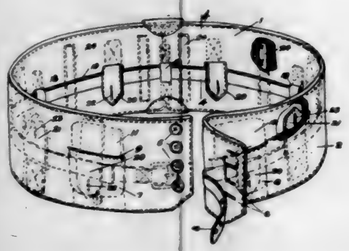
In a motor car construction, a transmission calculated to permit the lowering of the floor boards, having in combination with the power unit and a clutch housing, a transmission housing containing speed reducing gears, a pair of slidable gear shifting rods slidably supported in the walls of the transmission housing, one located at each side of the upper train of gears and projecting below the top of such gears, a cover for said transmission housing wholly independent of the sliding rods, the said rods passing out of the forward end of the transmission case into the clutch housing, and a gear shifting lever having a ball and socket support directly over the clutch housing, and arranged to selectively engage and control the forward ends of said gear shifting rods.

1,558,227. SUPPORT FOR INCANDESCENT LAMPS. WILLIAM LOUIS BORATE, Rochester, N. Y. Filed Apr. 16, 1925. Serial No. 23,516. 7 Claims. (Cl. 240—52.)



1. A support for incandescent lamps comprising a resilient lamp supporting ring having arms extending outwardly therefrom and provided with sleeves, and supports removably fitted in said sleeves.

1,558,228. VEST BELT. ABRAHAM BOTKIN, Hyattsville, Md. Filed Apr. 3, 1923. Serial No. 629,650. 1 Claim. (Cl. 241—8.)



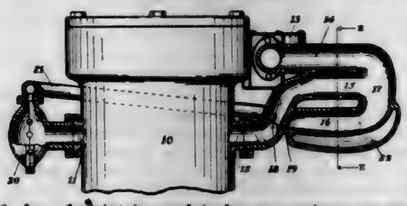
A vest belt comprising a plurality of band members secured together in superposed relation, and free from each other at a longitudinal edge, pockets between said members, each pocket secured to a free edge of one only of said members.



1,558,229. PLAYING CARDS. WILLIAM S. BOWMAN, Orangeville, Pa. Filed July 13, 1925. Serial No. 43,171. 5 Claims. (Cl. 273—152.)

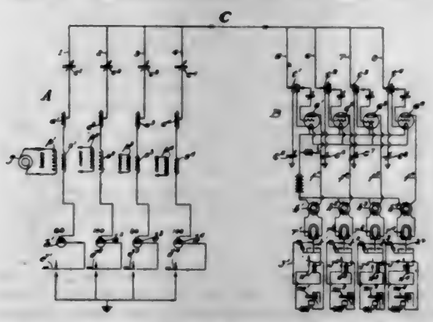
1. A deck of playing cards each of which is provided on its back with a designation classifying it as a head or tail card, each said card carrying on its face a pictorial representation of a half portion of an animal, and being also provided with a symbol denoting the particular value of the card.

1,558,230. HEAVY-FUEL VAPORIZER. CARL P. BROCKWAY, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed June 21, 1919, Serial No. 305,925. Renewed Feb. 19, 1924. 21 Claims. (Cl. 183—32.)



1. In a fuel intake conduit for gas engines, means for separating the heavier particles of the fuel from the lighter particles, an air passage for said heavier fuel particles, and means for heating said separated heavier particles only.

1,558,231. MULTIPLEX TELEGRAPHY. WILLIAM M. BRUCE, Jr., Springfield, Ohio. Filed May 2, 1921. Serial No. 466,015. 7 Claims. (Cl. 178—51.)

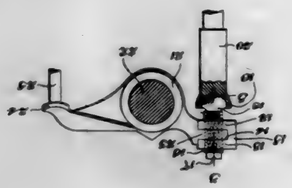


1. In a system of multiplex telegraphy, means at a sending station for supplying current of different high frequencies on different circuits connected to a single conductor and means for producing comparatively low frequency groups of high frequency currents in each of said circuits and impressing upon these groups signals corresponding to dots and dashes in connection with apparatus at a receiving station comprising an electrically tuned device for each high frequency current in resonance therewith, and a separate receiving device for each group comprising a vibrating coil mechanically tuned to the low frequency groups which receiving devices are connected in multiple to said conductor.

1,558,232. RAG DOLL. ALBERT BRÜCKNER, Jersey City, N. J. Filed July 21, 1921. Serial No. 486,386. 3 Claims. (Cl. 46—40.)

3. A doll having a body including a rigid bust member having a spherical portion projecting upwardly, a head for the doll body having a cooperating spherical depression in a lower portion adapted to slide forwardly and backwardly and turn on the spherical upper portion of the bust, and means for mounting said head upon said bust member for said bodily adjustment forwardly or rearwardly of the median plane of the doll body and for independent axial rotation in any one of its adjusted positions.

1,558,233. SELF-GRIPPING ADJUSTABLE COUPLING. JULIAN K. BRYANT, Lowell, Mass., assignor to Security Engineers, Incorporated, Lowell, Mass., a Corporation of Massachusetts. Filed Oct. 22, 1924. Serial No. 745,262. 4 Claims. (Cl. 287—100.)

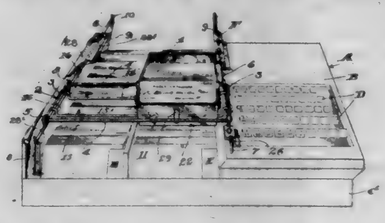


1. An automatically-gripping adjustable coupling comprising a recessed member provided with threaded apertures out of alinement, an intermediate member in said recess and forming a part of the coupling, and a male threaded member engaged with said threaded apertures.

1,558,234. FEEDING DEVICE FOR SORTING MACHINES. ALEXANDER M. BUNN, Washington, D. C., assignor to National Assorting Company, Washington, D. C., a Corporation of Delaware. Filed Dec. 19, 1923. Serial No. 681,646. 21 Claims. (Cl. 129—16.1.)

1. The combination, with a sorting apparatus equipped with means for simultaneously providing a plurality of

spaces classified for the reception of articles carrying a designation in consonance with the classification of certain of the spaces, of an article carrier mounted for



travel into juxtaposition to any selected space, and means facilitating the delivery of a separate article into said space.

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1,558,235. PRESSED-STEEL CONTAINER. CARROLL BURTON, Johnstown, Pa. Filed Dec. 26, 1922. Serial No. 608,997. 2 Claims. (Cl. 220—40.)

1. A metallic container comprising in combination a body portion composed of a single piece of metal and having a flat bottom and curved side walls, a series of vertical reinforcing ribs disposed at intervals around said side walls composed of multiple thicknesses of the side wall metal, an outwardly turned rim around the upper edge of said container having a plurality of slots therein, a flat disk like closure for said container, a plurality of L-shaped downwarly projecting lugs on said closure adapted to project into the slots in said rim and engage said rim when said closure is given a slight turn, and means inserted in some of said slots adapted to engage said rim and said L-shaped lugs to prevent the removal of said closure.

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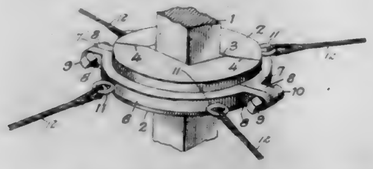
1,558,236. SUPPORTING DEVICE FOR OIL-WELL DRIVE SHAFTS. NELSON S. BURTON, Ardmore, Okla., assignor to Nina Burton, Clarksburg, W. Va. Filed Feb. 19, 1925. Serial No. 10,223. 4 Claims. (Cl. 255—1.)



1. In oil-well drilling apparatus, means for supporting the vertical rotary drive-shaft of the oil-well rig, said means comprising a stationary ring, in two sections, and a disk, in two sections, revolubly supported by said ring and having a central opening for the reception of the drive-shaft.

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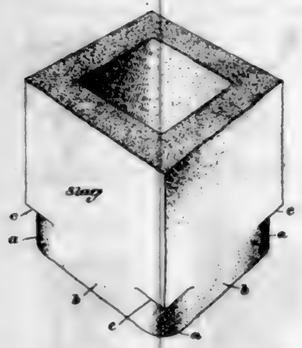
1,558,237. METHOD OF MANUFACTURING SHRINK-HEAD CASINGS. FRED H. CHAPIN, Cleveland, Ohio. Filed Apr. 20, 1925. Serial No. 24,684. 9 Claims. (Cl. 22—192.)

1. In the manufacture of shrink head casings for ingot molds, the method herein described which consists in mixing furnace slag and a binder in proportions of about 7 parts by weight of slag to one part by weight of the binder, molding the mixture to give it the desired




shape and then baking the molded article at a temperature of between 200° and 250° F. to remove moisture therefrom and render the casing porous.

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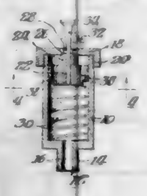
1,558,238. VENT VALVE FOR ENGINES. JAMES A. CHARTER, Chicago, Ill. Filed Apr. 14, 1924. Serial No. 706,619. 3 Claims. (Cl. 251—144.)



1. In mechanism of the class described, a chamber having an end wall having a port therethrough, a long, slender, conical valve stem of less cross-section than the port, reciprocal through the port, separate means on the stem on opposite sides of the wall capable of independently closing the port, a perforated member movable in the chamber carrying the valve stem, spring mechanism normally urging the perforated member to such position that one of the port closing means closes the port, means applying suction apparatus to the chamber whereby vacuum created by it in the chamber moves the piston against the action of the spring until the second closing means closes the port, the two closing means being sufficiently separated so that intermediate between the two positions described, air is sucked through said port and the chamber.

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1,558,239. CARLINE. JOSEPH A. COSTELLO, Cleveland, Ohio, assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 12, 1923. Serial No. 662,329. 10 Claims. (Cl. 108—5.6.)

1. A metal carline comprising two substantially parallel and substantially horizontal inverted-channel-shaped transverse members forming opposite ends respectively of the carline, and a body extending between and rigid with the inner flanges of said transverse members, each



end portion of said body being spaced at its outer end downwardly from the upper extremity of the inner flange of the adjacent transverse member, and the inner flange of each inverted-channel-shaped transverse member having an upper portion extending uninterruptedly substantially from end to end of said transverse member.

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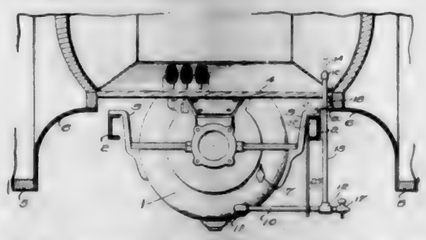
1,558,240. OIL GAUGE. WALTER EDWARD CRAWFORD, Orlando, Fla. Filed Aug. 19, 1921. Serial No. 493,686. 1 Claim. (Cl. 73—120.)



In an automobile having an engine crank case provided with an opening and a body having a floor, an oil gauge comprising a horizontal pipe having one end arranged in said opening, a vertical pipe connected to the other end of said horizontal pipe and extending through the floor of the body, an indicating member arranged in the vertical pipe and a depending supporting member secured to the body of the car, said member being provided with a horizontal portion having an opening for the reception of said vertical pipe, said member being extended downwardly beyond said horizontal portion and being provided with a second horizontal portion adapted to rest upon a portion of the frame of the car, said member being further provided with a depending end having an opening for the reception of said horizontal pipe.

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1,558,241. MEDICAL COMPOUND AND PROCESS FOR MANUFACTURING THE SAME. ORVILLE ADALBERT DAFERT-SENSEL-TIMMER, Vienna, Austria. Filed Dec. 15, 1924. Serial No. 756,061. 7 Claims. (Cl. 260—14.)

1. A process which comprises reacting with a halide of arsenic, upon quinine compound, to form a double compound thereof.

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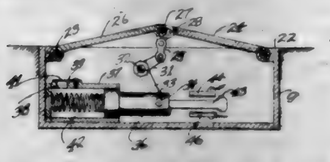
1,558,242. SWITCH MECHANISM FOR ROAD SIGNALS. GERRIT H. DALMAN, Ripon, Calif. Filed June 15, 1922. Serial No. 568,608. 1 Claim. (Cl. 200—86.)



In a switch for a road signal, a box adapted to be mounted in a road-way, said box having a cover, said cover comprising two sections having a sliding dovetail connection, a link pivoted to one of said sections, a bell-crank fulcrumed within said box, and having one of its arms connected to said link, a cylinder mounted within said box, a spring mounted within said cylinder, a piston movable in said cylinder against the action of said spring, said cylinder being connected to the free arm of said bell-crank, a rod secured to said cylinder, contacts mounted on said box and adapted to be electrically connected by said rod, and a valve positioned on said cylinder, said valve being capable of permitting rapid exhaust of air from said cylinder, and a slow ingress of air to said cylinder, substantially as and for the purpose specified.

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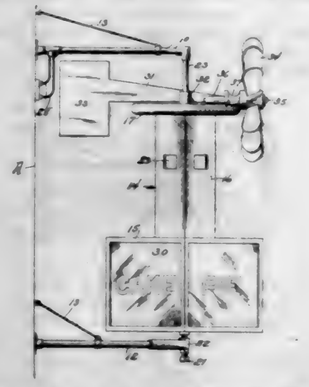
1,558,243. ROTATING ELECTRIC SIGN. JOHN CLARENCE DANIEL, Winston-Salem, N. C. Filed Sept. 10, 1924. Serial No. 736,978. 4 Claims. (Cl. 40—89.)



1. In a device of the character described, upper and lower stationary supports, a hollow member depending from the upper support, a casing journaled upon the lower support and rotatably mounted about said depending member, a friction wheel carried by said casing, an arm rotatably mounted on said depending member and carrying a rudder, a wind wheel journally supported by said arm, and a friction roller carried by the wind wheel engaging said friction wheel.

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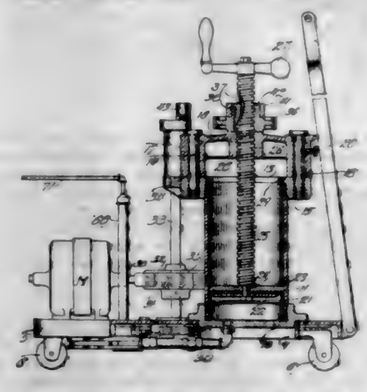
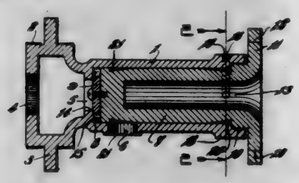
1,558,244. LUBRICANT COMPRESSOR. ERNEST W. DAVIS, Oak Park, Ill., assignor to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed May 6, 1921. Serial No. 467,264. 4 Claims. (Cl. 221—79.)



1. A lubricant compressor comprising a low pressure cylinder, a plunger slidable in said low pressure cylinder, a cap for said low pressure cylinder, the end of said cap having a screw-threaded opening therethrough, a screw-threaded plunger rod extending through said threaded opening and carrying said plunger at its inner end, a ratchet gear for rotating said plunger rod, a crank arm, a pawl secured to said crank arm for engaging said ratchet, means for oscillating said crank arm comprising a shaft mounted parallel with said plunger rod, a spring having one end connected with the free

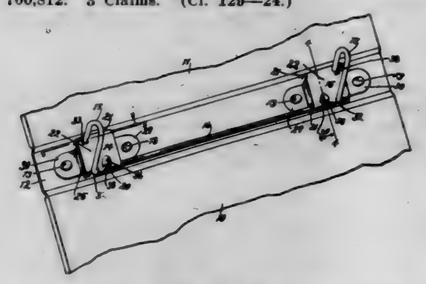
end of said crank arm, and the other end connected to said shaft eccentrically thereof, a high pressure cylinder having a plunger reciprocable therein, a lever for operating said plunger, and a second spring having one end connected to said lever and the other end connected to said shaft eccentrically thereof, the points of connection of said springs to said shaft being such that when one spring is being tensioned the other is being relaxed.

1,558,245. FAUCET. JOHN F. DAVIS, Decatur, Ill. Filed Oct. 19, 1923. Serial No. 669,628. 8 Claims. (Cl. 251—25.)



2. A faucet, comprising, a casing having a port and having a bore terminating in a seat adjacent said port, a valve plug slidable in said bore and having an end face adapted to engage said seat, a manipulative element on said plug, and a stop for limiting the withdrawal of said plug, said stop being yieldably tensioned but retractable to permit withdrawal of said plug from said casing.

1,558,246. LOOSE-LEAF BINDER. JAMES C. DAWSON, Webster Groves, Mo., assignor to Elma N. Dawson, Webster Groves, Mo. Filed Mar. 21, 1924. Serial No. 700,812. 3 Claims. (Cl. 129—24.)



1. In a temporary binder, a sheet metal base, including a generally flat top, and flanges extending downwardly from the sides thereof, one of the flanges and the adjacent portion of the top being notched, a tab at one end of the base including a downwardly extending portion spaced at one edge from the notched flange, a rock-shaft journaled between the edge and flange and a hook on the shaft projecting through said notch and having a catch to engage the base.

1,558,247. BUILDING FORM. FRANK L. DECKER, Kimble, Pa. Original application filed June 21, 1924. Serial No. 721,542. Divided and this application filed Jan. 21, 1925. Serial No. 3,858. 1 Claim. (Cl. 72—19.)

A means for re-facing a wooden structure in which the siding is removed therefrom, in which an outer wall construction comprising grooved slabs arranged in superimposed courses having their vertical joints broken are employed, of horizontally disposed plates having inner flanged ends secured to the structure and outer ends which are flanged in both directions, one of the last mentioned flanges comprising spaced elements and both of the last mentioned flanges designed to be received in the grooves of the superimposed slabs, other flanges on the plates holding the slabs in spaced relation, a channeled member secured to the lower plate and passing through the upper plate of each series, a spacer plate for the channeled members engaging therewith and engaging

with the mentioned plates, and said channeled members being disposed along the vertical joints of the wall and serving as a passage for concrete to be delivered between the joints of the slabs, and also as a mold for such concrete when set.

1,558,248. HEAT-GENERATING COMPOSITION. JOHN M. DENNISON, New York, N. Y. Filed Aug. 5, 1925. Serial No. 48,406. 5 Claims. (Cl. 44—3.)

1. A composition consisting of oxidized iron filings, ammonium chloride, calcium oxide, and sulphuric acid, said composition made heat generating by the addition of water.

1,558,249. ARTIFICIAL LURE. HENRY L. DE ZENG, Moorestown, N. J. Filed Oct. 27, 1923. Serial No. 671,074. 3 Claims. (Cl. 43—45.)

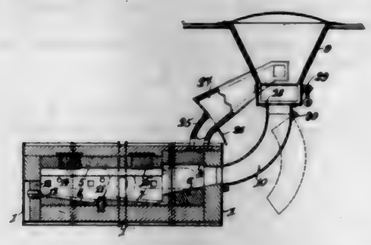
1. In an artificial lure, a body portion, and a pair of revolving members, said members being located in predetermined fixed relationship with respect to each other, the upper surface of one member being adapted to reflect light to the under surface of the other member alternately as said members are caused to revolve on moving the lure through the water horizontally.

1,558,250. MELTING FURNACE OF THE TILTING TYPE. PAUL DHÉ, Paris, France. Filed Mar. 1, 1924. Serial No. 696,296. 8 Claims. (Cl. 263—33.)

8. In a tilting furnace for the fusion of basalt providing for the direct casting of the melted substance in molds, the combination of a furnace properly so called which is built of fire brick and is provided with a tap hole at the front and a loading aperture at the rear, a metal frame supporting the said furnace, a horizontal axle having the said frame pivoted thereon, and a hearth situated within the said furnace, said hearth being divided into three parts whereof one is forwardly inclined and serves to contain the substances to be melted and the other two constitute the melting basin and are rearwardly inclined, outlet conduits for the gases of combustion disposed above the said forwardly-inclined hearth, the outer ends of said conduits having the shape of an arc of a circle which has for its centre the pivoting axis of the furnace, a basalt feeding hopper disposed above the rear part of the furnace, conduits whereof

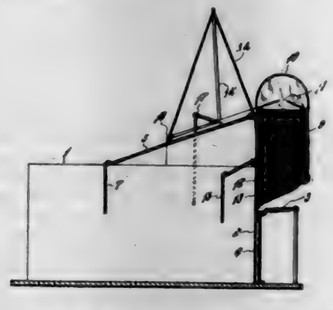


one end opens into said hopper and the other is open to the atmosphere, the latter end being adjacent the



outer end of the said outlet conduits, a movable flap disposed within the said hopper for closing the lower end of the same.

1,558,251. FLYTRAP. JAMES V. DE WITT, Vidor, Tex. Filed May 5, 1924. Serial No. 711,235. 4 Claims. (Cl. 119—156.)

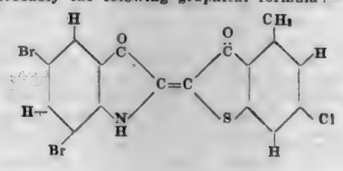


1. A trap of the class described comprising a body open at its top and front, doors closing the rear end of the body and having flexible portions for brushing the flies from the body of an animal passing through the same, a top door adapted to close the top and front of the body in rear of the animal when the door is moved downwardly, a trap chamber opening into the body, means associated therewith for catching and holding the flies entering the same, and a door for closing the trap chamber and means for moving this door by the movement of the top door.

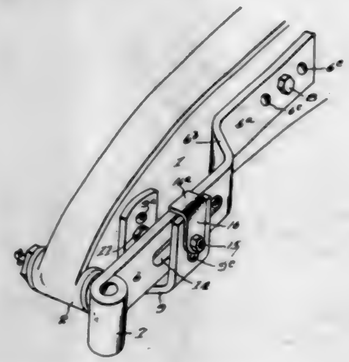
1,558,252. VAT DYESTUFF AND PROCESS OF MAKING SAME. JOSEPH G. DINWIDDIE, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 8, 1925. Serial No. 1,153. 8 Claims. (Cl. 260—49.)

1. The process of producing a vat dyestuff which comprises condensing a halogenerated isatin-chloride with one molecularly-equivalent amount of an hydroxymethyl-halo-thionaphthene.

6. As a new composition of matter, a product obtainable by condensing a dibrom-isatin-chloride with 2-hydroxy-3-methyl-5-chloro-thionaphthene, and having most probably the folowing graphical formula:—

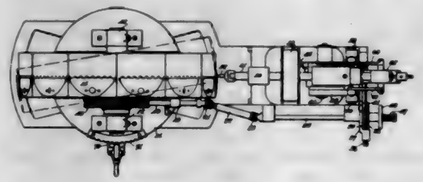


1,558,253. BUMPER-SUPPORTING MEANS. WAYNE E. DUNSTON, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Nov. 19, 1923. Serial No. 675,555. 19 Claims. (Cl. 293—55.)



3. The combination, with a vehicle frame member, of a bumper-supporting arm, the said arm having inner and outer offset portions, means connecting one of such portions to said frame member, and means including a spacing member for adjustably connecting the other portion of said arm to said member.

1,558,254. MACHINE FOR CUTTING BUTTON BLANKS. PAUL F. DUSHA, New York, ANTON FEYK, Bohemia, and EMIL FEYK, New York, N. Y., assignors to Holub-Dusha Co., New York, N. Y., a Corporation of New York. Filed Nov. 12, 1924. Serial No. 749,466. 2 Claims. (Cl. 70—16.)



1. A machine for cutting button blanks, comprising a rotary bull wheel adapted to receive on its periphery a circular series of shells, a cutter having a fixed mounting and movable toward and away from the bull wheel to cut blanks from the shells, means for imparting a step by step feed to the bull wheel whereby the cutter is adapted to remove a line of blanks from the successive shells on the bull wheel, and means for shifting the axis of the bull wheel about an axis intersecting at a right angle the said axis of the bull wheel and also the axial line of the cutter.

1,558,255. AUTOMATIC SPARK RETARDER. FRANK C. FAURE, Petaluma, Calif. Filed Sept. 18, 1923. Serial No. 662,536. 2 Claims. (Cl. 123—186.)

2. The combination with the starting motor switch and the spark control element of an automobile engine; of means connected to the control element and operable primarily to move the control element to spark retarding position and then to engage and close said switch and including a rock shaft journalled adjacent said switch, a rock arm extending from said rock shaft and having a pedal overlying said switch in normal spaced relation thereto, a second rock arm extending from said

shaft, a push bar having one end resting against the second rock arm to be moved thereby upon the pedal being depressed, an operative connection between the remaining end of said bar and the spark control element,

a rod projecting from said pusher bar through said second rock arm, a stop on the end of the rod, and a compression spring between said stop and the rock arm to hold the end of the pusher bar yieldably against the second rock arm.

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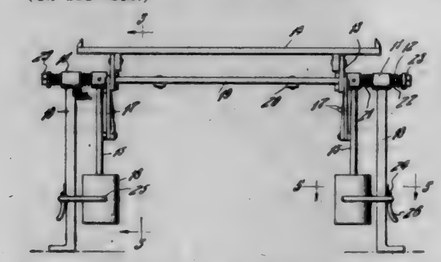
1,558,256. TABLE. VINCENT FIORITO, Chicago, Ill. Filed Nov. 19, 1924. Serial No. 750,905. 4 Claims. (Cl. 114—195.)



1. A table comprising spaced standards, a top, pivot rods rotatably mounted in the standards and secured to the top whereby the latter may be moved pivotally, a counter-balance weight rigid with the top whereby the latter will be held substantially horizontal and means pivotally mounted upon the standards and engageable with the weights to hold the top against pivotal movement.

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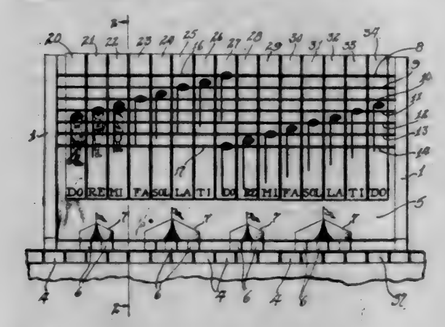
1,558,257. MUSIC INSTRUCTOR FOR CHILDREN. HAROLD FISHER, Chicago, and DIECY HOOBLER, Streator, Ill. Filed Aug. 9, 1924. Serial No. 731,164. 5 Claims. (Cl. 84—478.)




1. A musical instructor for children comprising a supporting member arranged to be placed in vertical position upon the keyboard of a piano, cords attached in parallel relation to said keyboard, representing the lines of a musical staff, and removable members adapted for disposition upon said supporting member and arranged to lie in back of said cords, said members having legends imprinted thereon representing notes of a diatonic scale and adapted to lie in registration with one of the cords or spaces between the cords, whereby the members may be moved on said supporting member to a point substantially in registration with the corresponding key of the keyboard.

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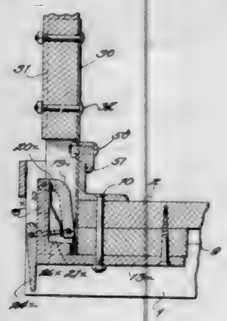
1,558,258. STAKEHOLDER. CLARENCE E. FLINCHBAUGH, Lima, Ohio. Filed July 2, 1924. Serial No. 723,813. 7 Claims. (Cl. 296—43.)



7. The combination of the floor of a vehicle body and stake, an angle member fixed with respect to the floor and having an upright portion, a latch bar pivotally connected to said upright portion for preventing upward movement of the stake relative to the floor and the angle member, a spring strip secured in interposed relation between the upright portion of the angle member and the latch bar, a cam lever disposed back of the upright portion of the angle member, and a connection between said cam lever and the latch bar; the said upright portion of the angle member being provided with intermediate abutments or shoulders, and the connection between the latch bar and the cam lever being in the form of a bail disposed below said shoulders or abutments and pivotally connected to the cam lever on its bight.

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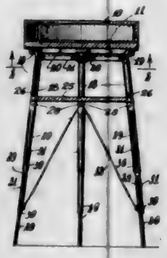
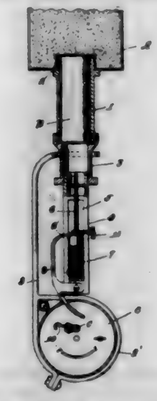
1,558,259. PORTABLE STAND FOR SHAVERS. CESARIO S. FRANCO, Philadelphia, Pa. Filed Apr. 16, 1923, Serial No. 632,194. Renewed Sept. 10, 1925. 6 Claims. (Cl. 45—11.)



1. A device of the class described comprising a top member, upper leg-elements on which said top member is supported, a shelf carried by said upper leg-elements, lower leg elements pivotally attached at their upper ends to the said shelf, and means for collapsing said upper leg-elements on said top member and said shelf on said upper leg-elements, the said lower leg-elements being formed of a number of sections telescoping into one another.



1,558,260. DETONATOR. BURTON K. GLASS, Altoona, Pa. Filed Jan. 19, 1925. Serial No. 3,464. 3 Claims. (Cl. 102—4.)



3. A device of the class described comprising a cartridge holding member, means for attaching the same to a member carrying the explosive charge, a coupling detachably connected with the cartridge carrying member, a breech member connected with the coupling, a firing pin in the breech member, a spring in the breech member for projecting the firing pin against the cartridge, a trigger member pivoted to the breech member and engaging the firing pin for holding the same retracted, a clock carrying frame connected with the device, a clip adapted to be attached to the alarm mechanism of a clock for engaging the trigger member to move the same to releasing position, a casing for enclosing the parts including the explosive charge and a spring pressed shock absorbing member at one end of the casing.

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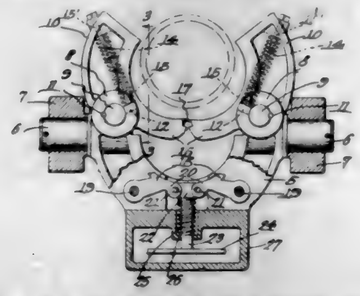
1,558,261. PIPE ELEVATOR. FRANK W. GRADY, Lomita, Calif. Filed Jan. 20, 1925. Serial No. 3,612. 2 Claims. (Cl. 294—91.)



1. A pipe lifter including a body portion, jaws pivotally supported on the body portion and having inwardly extended end portions formed with shoulders, a pair of pivoted latch members adapted to engage the shoulders to lock the jaws in their active positions, means for moving the latch members simultaneously to release the jaws, and spring members for normally urging the jaws outwardly.

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1,558,262. REDUCTION OF ORES. GUYON F. GREENWOOD, Georgeville, Quebec, Canada, assignor of one-half to Robert B. Hutcheson, Montreal, Quebec, Canada. Filed Jan. 31, 1923. Serial No. 616,177. 2 Claims. (Cl. 75—17.)

1. The method of reducing ores which comprises separately preheating the ore and a reducing agent which is able to unite with the metal to a temperature above their combining temperature range, and subsequently bringing them together in such preheated state and maintaining them at a selected reducing temperature above their combining temperature range during the process of reduction of the ore.

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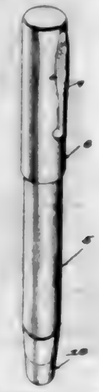
1,558,263. FOUNTAIN PEN. FRANK J. GROMMES, Aurora, Ill. Filed June 19, 1924. Serial No. 721,058. 1 Claim. (Cl. 120—47.)



A fountain pen comprising a cylinder, having a chamber, the rear portion of the cylinder being provided with a reduced threaded portion, a piston arranged in said cylinder and having a bore opening out through opposite ends of the piston and threaded for its entire length, a rod having an enlarged forward portion threaded in the bore of said piston and adapted to extend entirely through the piston and moved into the forward portion of the cylinder, a cap securely connected to said rod and adapted to be threaded on the rear terminal portion of said cylinder, said piston being provided with a sealing medium frictionally contacting with the wall of the cylinder and holding the piston against turning and a packing carried by said cap and surrounding the rear portion of said rod whereby leakage from said chamber is positively prevented.

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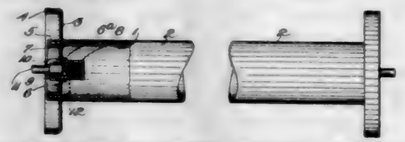
1,558,264. YARN SPOOL. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 1, 1923. Serial No. 660,529. 6 Claims. (Cl. 242—123.)



1. A yarn spool for weaving embracing a tubular barrel, a head comprising inner and outer laterally flanged disks engaging said barrel in lapped relation and firmly secured thereto, and a journal mounted centrally in said inner disk to rotatably support said spool substantially as described.

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1,558,265. PROCESS OF MANUFACTURING ARTIFICIAL-SILK THREADS FROM VISCOSE. ISIDORE OCTAVE EMILE LAMS, Tubize, Belgium, assignor to Fabrique de Soie Artificielle de Tubize, Société Anonyme, Brussels, Belgium. Filed Jan. 18, 1923. Serial No. 613,541. 2 Claims. (Cl. 18—54.)

1. In the process of manufacturing artificial silk threads from viscose, the steps which comprise subjecting

viscose threads to the action of an aqueous solution containing 13 to 15% of ammonium formate and 13 to 18% of sodium formate, drawing the threads while so congulated, and then converting them into cellulose hydrate.

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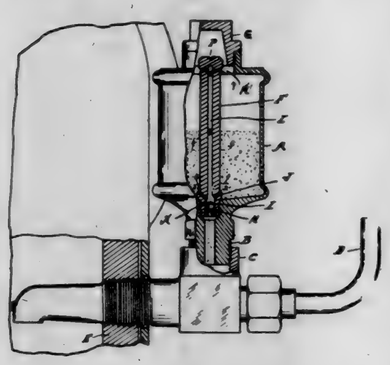
1,558,266. LUBRICATOR. ELIJAH MCCOY, Detroit, Mich., assignor to Edwin C. Nagel, Detroit, Mich. Filed Dec. 18, 1922. Serial No. 607,655. 8 Claims. (Cl. 184—58.)



1. In a lubricator for the feeding of flaked or powdered lubricant, the combination with a casing, of a hollow stem extending longitudinally thereof and provided with ports at its upper end communicating with the casing, said stem also having a series of three or more inclined ports between the hollow interior thereof and the lower portion of the casing, said ports being arranged to lead upwardly in all directions to deflect the steam in all directions and agitate the flaked or powdered lubricant in said chamber, and a normally closed automatic valve in said hollow stem adapted to be actuated by the pulsating pressure.

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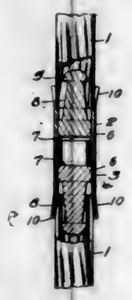
1,558,267. SOCKET WRENCH. JOHN J. MCGUCKIN, Brooklyn, N. Y., assignor to Louis Schwab, doing business as Stevens & Company, New York, N. Y. Filed Mar. 25, 1924. Serial No. 701,643. 3 Claims. (Cl. 81—121.)

1. The combination, with a socket wrench, of a lateral detent element provided with a nut engaging portion and with resilient, readily detachable, shank gripping means rockable on the shank to optionally move the nut engaging portion into or out of the socket.

1,558,268. COUPLING FOR SECTIONAL RODS. LOUIS L. MAST, West Milton, Ohio. Filed Mar. 20, 1924. Serial No. 702,910. 1 Claim. (Cl. 287—125.)



In a lightning-rod, the combination with two hollow lightning-rod sections, of a coupling-device therefor, comprising two sheet-metal tubular members removably secured together at adjacent ends, each provided, at its free end, with an annular series of fingers bearing against the exterior surface of the adjacent lightning-rod section, at one end thereof, a pin removably disposed in the bore of each tubular member and comprising a truncated cone-shaped shank, an enlarged circular base at one end of said shank snugly fitting the interior surface of the wall of the tubular member, and an enlargement on the reduced end of said shank, said fingers bent inward and the end of the lightning-rod section crimped against said shank and under said enlargement, whereby the tubular member and lightning-rod section are interlocked with said pin.

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1,558,269. HINGED LAST. FREDERICK W. MILLAY, Haverhill, Mass., assignor to Fred W. Millay Co., Inc., Haverhill, Mass., a Corporation of Massachusetts. Filed June 28, 1923. Serial No. 648,369. 5 Claims. (Cl. 12—136.)

1. A last comprising a heel part and a fore part; a straight rigid member one end of which is immovably anchored in the heel part while the opposite end thereof extends into a pocket in the fore part and has a transverse cylindrical hole therethrough; a pin in the fore part extending through and fitting said hole; and a hidden spring in a socket communicating with the upper wall of said pocket with its lower end coacting with said rigid member and adapted to force the under wall of said pocket against said rigid member.

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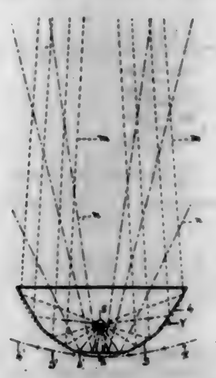
1,558,270. REFLECTOR FOR LIGHT PROJECTORS. WALTER F. MORRISON, Los Angeles, Calif. Filed Aug. 27, 1924. Serial No. 734,440. 1 Claim. (Cl. 240—41.)

A segmental parabolic reflector for light projectors comprising a plurality of vertically arranged contiguous zones, the common bounding edges of which are relatively parallel in a vertical plane and of the same relative



parabolic curvature, said zones having a lateral parabolic curvature taken at right angles to the bounding edges and at any point in their lengths of greater focal length



than the focal length of the parabola contemplated by the curvature of said edges, and the focal length of the parabola contemplated by the curvature of said edges being the same as the focal length of the reflector.

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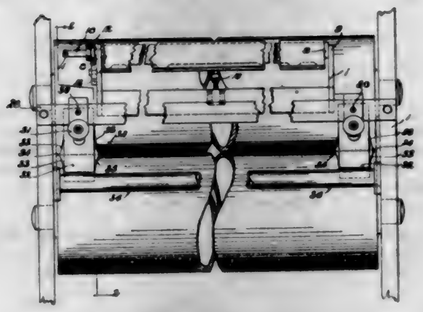
1,558,271. PROCESS AND MECHANISM FOR IMPREGNATING FIBROUS MATERIAL. LUTHER S. NEWELL, Cranston, R. I., assignor to Respro Inc., Cranston, R. I., a Corporation of Rhode Island. Filed May 2, 1924. Serial No. 710,698. 11 Claims. (Cl. 91—48.)



1. The process of impregnating material characterized by applying a viscous fluid to the entire width of the material in quantity gradually diminishing from center to edge, and applying pressure to the coated strip in a manner to force a transversely uniform amount of the said fluid thereinto.

5. A machine for impregnation comprising pressure rolls and means for applying impregnating material to one of the rolls in quantity gradually diminishing from center toward ends of the roll.

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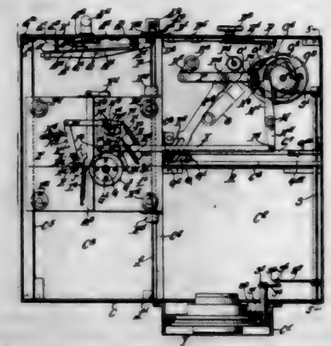
1,558,272. AEROPLANE CAMERA. NIELS PEDERSEN, Philadelphia, Pa., assignor, by mesne assignments, to Brock & Weymouth, Incorporated, a Corporation of Delaware. Filed Nov. 9, 1923. Serial No. 673,679. 11 Claims. (Cl. 95—24.)

1. In a camera for aerial photography a compartment for a plate magazine, a plate magazine vertically movable in said compartment and formed with lateral ledges to support a series of plates, means for moving the magazine vertically in its compartment to bring the series of plates successively to approximately the focal plane of the camera, means for supporting the plates in the



focal plane of the camera and means for shifting the plates from the magazine to the plate supporting means and returning them to the magazine after exposure.

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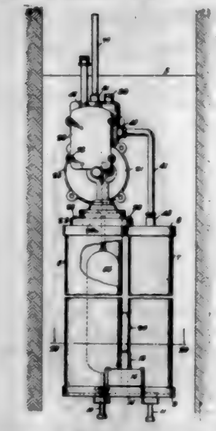
1,558,273. COMPRESSED-AIR WATER ELEVATOR. THEODORE PETERS, Ferdinand, Ind. Filed Jan. 14, 1925. Serial No. 2,419. 8 Claims. (Cl. 103—248.)

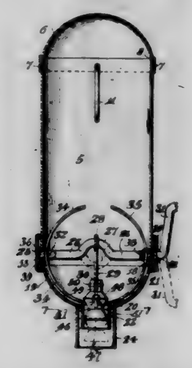


1. A compressed air water elevator including a pair of water cylinders communicating with a source of supply of water, each cylinder having a port for the intake and exhaust of air, a casing associated with the water cylinders and having a plurality of chambers, one of said chambers having an air exhaust port and communicating with the air port of one cylinder, another of said chambers having an air exhaust port and communicating with the air port of the other cylinder, the third chamber being provided with a pair of separate ports respectively communicating with the first and second chambers and having a third port for connection with a source of compressed air supply, a pair of valves for controlling the pair of ports of the third chamber, separate valves for respectively controlling the air exhaust ports of the first and second named chambers, all of said valves being rigidly related and movably mounted for simultaneously closing the air exhaust port of one chamber and opening the air exhaust port of another chamber while opening the port of the third chamber which leads to the chamber having its air exhaust port closed and closing the port of said third chamber which leads to the chamber having its air exhaust port opened, and vice versa, and a float in one cylinder operatively connected to the valves.

1,558,274. DRAWER ATTACHMENT FOR SINKS. CHARLES A. PETERSON, Chicago, Ill. Filed June 22, 1923. Serial No. 647,074. 1 Claim. (Cl. 45—77.)

The combination with a sink having downwardly projecting flanges, said flanges having laterally extending portions serving as drawer supports, said portions having threaded openings therein, rods having threaded portions adapted to be screwed into said openings, a drawer-supporting plate supported by said rods, said plate having struck up flanges to act as drawer guides, portions of said flanges forming lugs, said lugs having openings therein to receive said rods so as to support said plate, and drawers carried by said first named flanges and by said plate.

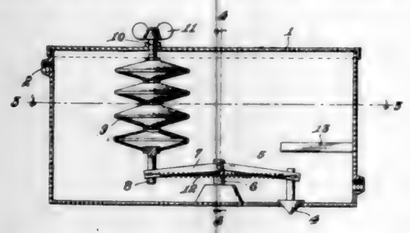
1,558,275. DISPENSING RECEPTACLE. JOHN PETERSON and GUSTAV G. SMITH, Portland, Oreg. Filed July 21, 1924. Serial No. 727,246. 8 Claims. (Cl. 221—104.)



1. A dispensing receptacle comprising a vertically disposed container having an outlet in its bottom, a reciprocatory combined dispensing and closure valve for said outlet, a shaft mounted in the lower portion of and extending diametrically of said container and further operated exteriorly thereof, an actuating rod pivotally connected respectively to said shaft and valve for shifting the latter when the shaft is revolved, and a pair of oppositely disposed arc shaped agitators fixedly secured to opposed end portions of said shaft within said container, the ends of one of said agitators spaced from the ends of the other to provide a clearance for said rod.

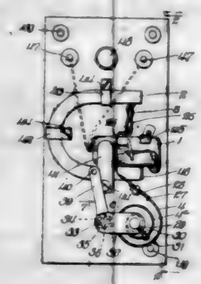
1,558,276. AUTOMATIC DRAIN. LELAND H. PETERSON, Wauneta, Nebr. Filed Dec. 31, 1924. Serial No. 759,143. 1 Claim. (Cl. 34.3.)

A drain device comprising a receptacle having a drain opening in its bottom, a valve for controlling the opening a support in the receptacle, a lever pivoted to said support and supporting the valve, a second lever pivoted to the support, a spring having its ends connected with the outer ends of the levers, a thermostat connected with



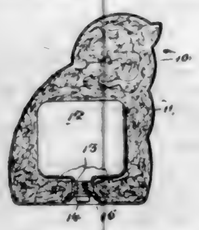
the outer end of the second lever, means for adjusting the thermostat and a stop for limiting the upward movement of the valve.

1,558,277. ELECTRICAL SWITCH. LOUIS A. M. PHELAN and CLIFFORD HOTCHKISS, Beloit, Wis.; said Hotchkiss assignor to said Phelan. Filed Dec. 8, 1922. Serial No. 605,635. 5 Claims. (Cl. 200—136.)



1. An electrical contactor comprising a hermetically sealed container, an integral inwardly directed extension to said container, a magnetic armature pivotally mounted on said extension, and a contact mounted on said armature.

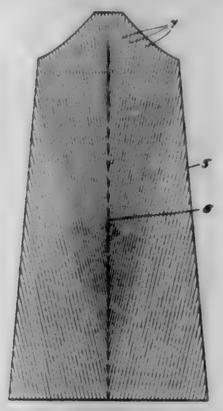
1,558,278. COMBINED TOY AND HEATING DEVICE. ELMA PHILLIPS, Dover Plains, N. Y. Filed Dec. 1, 1923. Serial No. 677,997. 1 Claim. (Cl. 150—8.)



In a device of the character described, a body formed of flexible material and provided with a resilient stuffing, a water receptacle embedded within the stuffing and having a thickened neck portion located at the bottom portion of the body and provided with a removable closure element, the outer end of said neck portion being grooved and the edge of the flexible material being engaged within the groove, said neck portion being set inwardly with respect to the outer surface of the body and the body being recessed at said neck portion to permit access to the closure element.

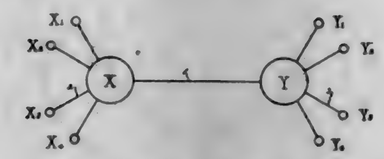


1,558,279. METHOD OF PREPARING FURS. HARRY POST, New York, N. Y. Filed Feb. 8, 1923. Serial No. 617,707. 5 Claims. (Cl. 149—28.)



1. In the art of fur manufacturing, the method which consists in cutting a fur bearing animal pelt longitudinally, then separating the pelt by a second longitudinal cut into half sections, then dividing each of said sections into a plurality of narrow strips by parallel diagonal cuts, assembling the strips of each section into two series in separated relation to each other, inserting strips of flexible material between the separated pelt strips in each series, sewing the pelt strips and the inserted strips to each other to thereby produce two similar half sections of a whole animal skin each substantially corresponding in area with the original half section, and finally assembling right and left half sections each containing the inserted strips and sewing the same to each other along the longitudinal edges thereof in the form of the original natural animal pelt.

1,558,280. SECRET SYSTEM OF TELEGRAPHY. LOUIS M. POTTS, Baltimore, Md., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y., a Corporation of New York. Filed Mar. 22, 1920. Serial No. 367,787. 3 Claims. (Cl. 178—22.)



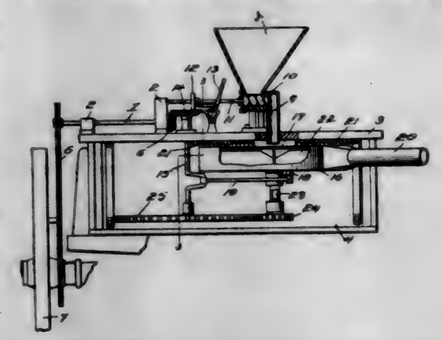

1. The combination in a telegraph system of a number of stations, a line interconnecting two of said stations, a rotating distributor at one of said stations, means including a plurality of relays arranged to cooperate with said distributor during a given revolution thereof for storing a plurality of separate groups of signal impulses, corresponding impulses in all groups being stored in the same definite order, a second plurality of relays, means rendered effective by the distributor at the end of said given revolution for transferring said groups of impulses from the first to the second relays, and means cooperating with said second relays and with the distributor during a subsequent revolution thereof for transmitting said groups of stored impulses over the line in such manner that the impulses of each group are sent in an order different from that of other groups.



1,558,281. PRESS FOR TENNIS AND OTHER RACKETS. WILLIAM REYNOLDS POTTS, London, England. Filed Feb. 11, 1925. Serial No. 8,489. 2 Claims. (Cl. 273—74.)

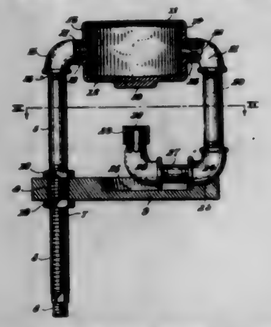
1. A press for tennis and other rackets, comprising a frame, spaced uprights secured to said frame, members movable angularly and longitudinally relative to the uprights and having lateral extensions, and means to adjustably secure said members on the uprights.

1,558,282. SEED SOWING AND DISTRIBUTING MACHINE. GUSTAV PRANG, Rickreall, Oreg. Filed Sept. 15, 1924. Serial No. 737,875. 1 Claim. (Cl. 275—2.)



In a device of the class described, a hopper provided with a seed discharge, a casing into which the seeds are adapted to be discharged, means for mounting said casing to permit oscillation thereof, a distributing spout carried by said casing, a fan for ejecting the seeds, said fan being disposed within said casing, means for controlling the discharge of seed from said hopper, and a single driven shaft for simultaneously operating said seed control means, rotating said fan, and oscillating said casing.

1,558,283. FUEL BURNER. MURRAY E. PAGE and THOMAS S. PAGE, Syracuse, N. Y. Filed Dec. 21, 1923. Serial No. 682,071. 2 Claims. (Cl. 158—63.)



2. In a burner of the class described, a vertically disposed fuel supply pipe having its lower portion screw threaded, an elbow carried by the upper end of said

pipe, a retort connected to the elbow, a drip pan mounted on the threaded portion of the fuel supply pipe to move vertically thereon, adjusting nuts on said threaded portion of the fuel supply pipe above and below the drip pan to adjust the position of the latter on the fuel supply pipe, a burner head supported by the drip pan, and a pipe connection between the burner head and retort, said drip pan having a drip recess wherein the lower part of said pipe connection rests and being laterally extended on each side thereof to provide heat conserving means.

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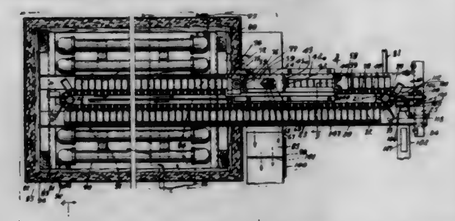
1,558,284. MOLDING APPARATUS. LEWIS A. PALEY, Buffalo, N. Y. Filed June 29, 1922. Serial No. 571,646. 27 Claims. (Cl. 18—26.)



1. In a molding machine, an endless chain of molds adapted to move entirely in a substantially horizontal plane, means for introducing a hot, liquid substance into said molds, means for cooling said substance to form cakes, and means for ejecting the cakes from the molds.

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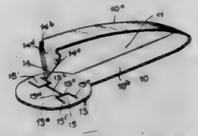
1,558,285. LOCKING DEVICE. SYLVESTER RAPHAEL, Brooklyn, N. Y., assignor to Sylvia Raphael, New York, N. Y. Filed Aug. 14, 1923. Serial No. 657,321. 6 Claims. (Cl. 24—153.)



1. A fastening device of the character described including a female member having an opening, a resilient member disposed to either side of the opening, a male member having a head relatively larger than said opening adapted to enter therein and means on the male member for engaging said resilient member to permanently interlock the male and female members.

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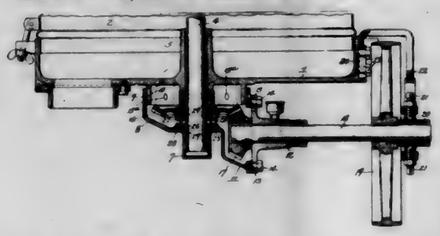
1,558,286. VEGETABLE-PARING MACHINE. HENRY ROBINSON, Lindenhurst, N. Y. Filed Dec. 11, 1924. Serial No. 755,186. 4 Claims. (Cl. 74—7.)



1. In a machine of the character described, the combination comprising a supporting frame having a main bearing for a vertical driven shaft and a depending flange, a driving shaft and a driven shaft, a gear and a pinion connecting the same, a housing for the gears attached to the depending flange from the supporting frame, a step bearing interposed between the gear and the housing, a journal bearing for the driven shaft in said housing on the opposite side of said gear from the main bearing, and a flanged bearing for the driving shaft attached to the housing.

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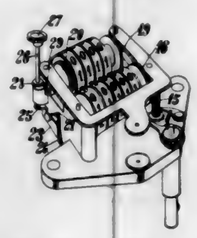
1,558,287. REGISTERING COUNTER. CHARLES HILAIRE HENRI RODANET, Paris, France, assignor to Société Anonyme: Etablissements Ed. Jaeger, Paris, France. Filed Jan. 4, 1924. Serial No. 684,425. 4 Claims. (Cl. 235—134.)



1. In a registering counter, juxtaposed digit drums adapted to be frictionally operated, a ratchet on one of the drums, the other drums being provided with a circular race, a tooth projecting from said circular race, and means for cooperating with said circular race and said projecting tooth to engage or release the teeth of the ratchet of said digit drum.

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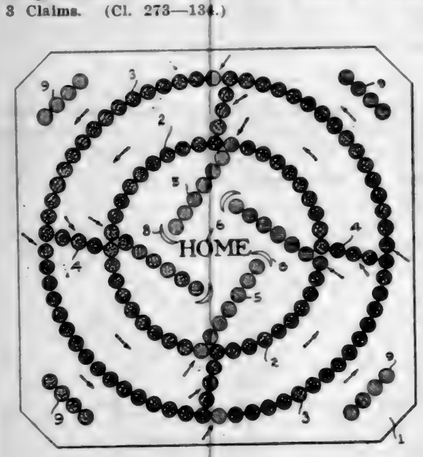
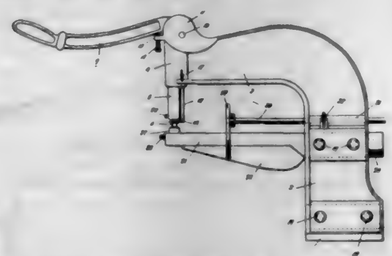
1,558,288. GAME APPARATUS. HARRY ROMAN, Wilmington, Del. Filed Mar. 6, 1925. Serial No. 13,597. 3 Claims. (Cl. 273—134.)




1. A game apparatus consisting of a playing field having a playing area defined by concentric series of circles, radial series connecting the concentric series, and tangential series projecting inwardly from the inner of the concentric series and being arranged at right angles to define a "home" space, each radial series being adjacent a tangential series and identified with the inner concentric series, the tangential series being distinguishably colored among themselves and the concentric series being distinguishable in color from the tangential series.



1,558,289. PUNCH. HEYMAN ROSENBERG, New York, N. Y. Filed Apr. 6, 1925. Serial No. 21,014. 3 Claims. (Cl. 164—96.)



1. In punches, the combination of a standard and arm, the standard having a plurality of shank-receiving sleeves spaced apart vertically, a punch bar reciprocally carried by the arm, means for actuating the punch bar, an arbor having a shank proportioned to fit and be sustained by either of the sleeves, the arbor having a die-receiving opening, and an extension standard having a die-receiving opening at one end and a shank at the other proportioned to and mounted in the die-receiving opening of the arbor.

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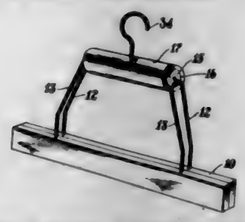
1,558,290. TROUSERS HANGER. PHILIP K. RUSSELL, New York, N. Y. Filed Dec. 27, 1924. Serial No. 758,345. 3 Claims. (Cl. 211—18.)



1. A trousers hanger comprising a tubular handle, a spindle extending freely through said handle, a pair of disks mounted freely on said spindle one near each end thereof and having said handle fixed thereto, a spring attached at one end to the said spindle and having its other end engaged in a notch in one of the said disks to urge the said spindle and handle in a rotary direction upon one another, gripper elements carried respectively by the spindle and handle, and means for releasing the last named end of the spring from the said disk and engaging it with the said spindle.

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1,558,291. CAR ROOF. THOMAS NATHAN RUSSELL, Chicago, Ill., assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Wilmington, Del., a Corporation of Delaware. Filed June 4, 1918. Serial No. 238,085. 1 Claim. (Cl. 108—5.)

In a mullion roof for railway cars wherein such mullions define roof spaces in which separate roof sheets are confined and in which all sides of each sheet are held in such manner that the sheet is free for movement longitudinally of the roof, the combination of the mullion strips, roof sheets arranged between said mullion strips, mullion caps freely interlocked with the sides of the roof sheets the latter being freely movable with relation thereto, the eaves ends of said mullion caps being bent downwardly and thence inwardly under the eaves ends of the mullion strips, the sheets and caps having reversely rebent flanges for such purpose which restrain vertical displacement of the sheets and caps, securing means for the ridge ends of the sheets which restrains them from movement towards the eaves but leaves them free for the said longitudinal movement paralleling the ridge axis of the roof, and securing means within the eaves lines of the roof confining the eaves ends of the sheets from upward movement and leaving them free for said longitudinal movement.

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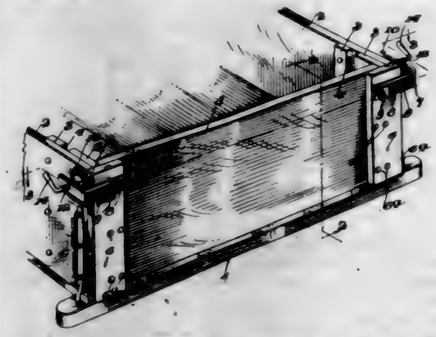
1,558,292. END GATE FOR WAGONS. WILLIAM H. RUSSELL, Clarksville, Va., assignor to C. H. Russell & Son, Inc., Clarksville, Va., a Corporation of Virginia. Filed Apr. 1, 1925. Serial No. 19,929. 2 Claims. (Cl. 296—53.)



1. An end gate for use with wagons having sides provided with washers on their outer faces and comprising a gate body adapted to fit between and engage the sides, brackets having portions fastened to the gate body and having arms rigidly connected with said portions and overlying the washers on the sides of the wagon, and screws threadedly connected with said arms and engageable in and with said washers to exert an inward pressure on the sides of the wagon to force the sides against the ends of the end gate and to secure the end gate to the sides of the wagon.

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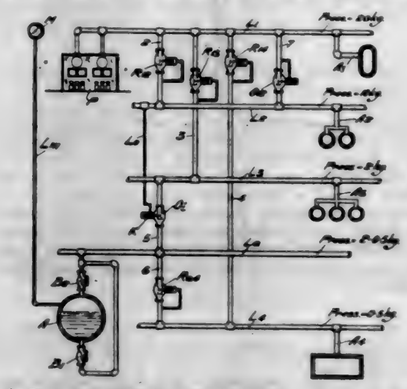
1,558,293. STEAM-ACCUMULATOR APPARATUS FOR STEAM PLANTS. JOHANNES RUTHS, Djursholm, Sweden, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden, a Corporation. Filed Oct. 18, 1922. Serial No. 595,401. 7 Claims. (Cl. 60—94.)



1. In a steam plant, in combination, a steam generator, a steam conduit system connected therewith, an accumulator and a plurality of steam consumers in said con-

duit system, a main conduit in said conduit system, a secondary conduit in said conduit system having a lower pressure than in said main conduit, a connection adapted to receive steam from said secondary conduit, means to pass steam from said connection to said accumulator, a third conduit in said conduit system, having a pressure different than that in the afore-mentioned conduits, means in said connection to control the flow of steam therethrough responsive to the pressure in said third conduit.

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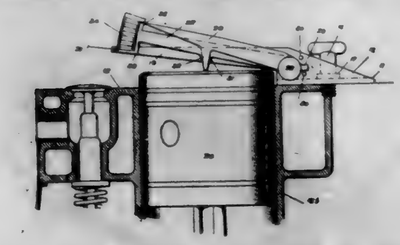
1,558,294. PISTON-POSITION INDICATOR. ANTON I. SANDBO, Rock Island, Ill., assignor of one-third to J. Hays Britton, Rock Island, Ill. Filed July 16, 1924. Serial No. 726,369. 4 Claims. (Cl. 33—180.)



1. A piston position indicator comprising three members assembled with one another, one member having means for mounting it on a cylinder block, a second member being movable relatively to the first named member in one direction only with the piston, and the third member being movable relatively to the second member in both directions with the piston, the first named and second members having cooperable pointer and graduations for indicating the position of the second member relatively to the first-named member, and the second and third members having cooperable pointer and graduations for indicating the position of the third member relatively to the second member.

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1,558,295. FISHHOOK. JIM SAWYERS, Caddo, Tex. Filed May 16, 1925. Serial No. 30,745. 1 Claim. (Cl. 59—95.)

A fish hook comprising an eye head of substantial diameter provided with a circular base, a fish hook shank with a tapered extremity passing through the center of the base of the eye head, a detachable collar on the tapered portion of the shank below the base, the extremity of the tapered portion being swaged or peened over which, together with the collar, prevents movement of the hook shank in either direction, allowing the fish hook to twirl as well as the fish that may be suspended thereby.

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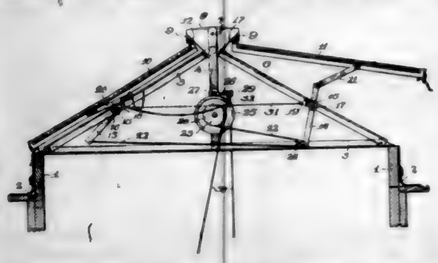
1,558,296. VENTILATOR. LISLE C. SCHAUB, Chicago, Ill. Filed Jan. 14, 1925. Serial No. 2,350. 5 Claims. (Cl. 108—31.)

1. A ventilator comprising supporting trusses consisting of a cross-beam, a king post thereon, and rafters inclined from opposite ends of the cross-beam to the upper portion of said post, closures hingedly mounted upon said trusses, levers fulcrumed intermediate their ends on said rafters and operatively connected at their outer end with said closures, a windlass, a cable secured at one end to and adapted to be wound upon said windlass and at its opposite end secured to the free end of



one of said levers, said cable intermediate its ends having coaction with the free end of the other lever, pawl and ratchet devices for each lever, means for operating said windlass, and means connecting said pawl and ratchet device and engaged with said windlass operating means whereby to actuate the respective pawls.

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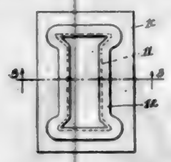
1,558,297. SIGN. JOHN M. SCHILLING, Lima, Ohio. Filed Nov. 3, 1924. Serial No. 747,500. 9 Claims. (Cl. 40—125.)



7. In a sign, a character element formed from a bar of semi-plastic material shaped to constitute an inner and an outer outline of said character, said bar being of substantial width and thickness and having a groove along one side for engaging a mounting plate.

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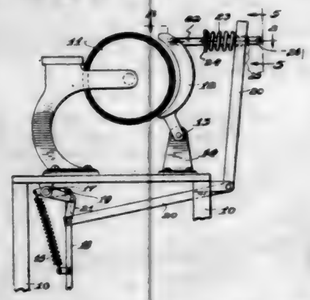
1,558,298. IRONER. CHESTER L. SCHWARTZ, Detroit, Mich. Filed Mar. 16, 1922. Serial No. 544,178. 1 Claim. (Cl. 68—9.)



In an ironer, a frame provided with a pair of angular supporting arms, a roll supported between said arms to provide free clearance underneath the roll from the arms, a pair of standards carried by the frame positioned on the opposite side of the roll, an arcuate shoe pivotally mounted between said standards to be swung toward and away from said roll, pedal operated mechanism, a pair of bell crank levers connected with said pedal operated mechanism to be actuated thereby, a pair of connecting links secured to said shoe, one extending slidably



through each of said bell crank levers, each connecting link being provided with spaced apart stops one on each side of the bell crank lever, a coil spring encircling the connecting link between the bell crank lever and the stop nearest the shoe, to hold the shoe toward the roll and adapted to hold the bell crank lever against the stop farthest from the shoe, and a spring engaging said pedal operated mechanism and exerting pressure thereon to normally hold the shoe away from the roll.

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1,558,299. MIXED ESTERS OF LOWER AND HIGHER FATTY ACIDS AND PROCESS OF MAKING SAME. GEORGE L. SCHWARTZ, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 11, 1922. Serial No. 551,734. 17 Claims. (Cl. 260—106.)

1. The process of producing a composition containing mixed glycerides of lower and higher fatty acids which comprises heating the glyceride of a higher fatty acid together with concentrated acetic acid in the presence of an esterification catalyst until the desired proportion of higher fatty acid radicals have been replaced by acetic acid radicals in said glycerides, adding glycerine, heating the resulting mass at a temperature substantially below 150° C. until a crude acetin mixture is formed, distilling off any excess acetic acid, and then heating the resulting mixture at a temperature above 150° C. but below that at which thermal decomposition of the glycerides occurs, while passing an inert gas through the mixture to remove water as it is formed, until esterification of the higher fatty acid by the acetin is practically complete.

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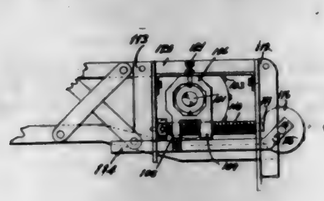
1,558,300. ENDLESS ELEVATOR. MAILLER SEARLES, Oakland, Calif.: Clara Cliff Searles, executrix of said Mailler Searles, deceased, assignor to Mailler Searles, Inc., San Francisco, Calif., a Corporation of California. Filed Dec. 11, 1922. Serial No. 606,287. 2 Claims. (Cl. 198—103.)



1. An elevating machine comprising an inclined support, endless chains passing over said support, flights connecting said chains to carry packages up the incline, adjustable sprocket wheels at the top of the incline over which the chains pass, a discharge roller for the packages and a pair of slidable bars to support said discharge roller at a fixed distance from the sprocket wheels at the top of the incline in all adjustments thereof, said support being movable with the adjustment of the sprocket wheels and each bar having a double support in the inclined frame.

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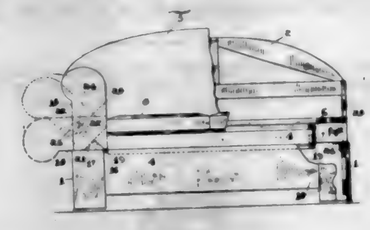
1,558,301. FOLDING COUCH AND THE LIKE. FREDERICK L. H. SIMS, Southhampton, Canada. Filed July 24, 192. Serial No. 577,261. 1 Claim. (Cl. (155—113.)

The combination of a sofa having a fixed end member and a seat; a movable sofa arm adapted to lie with one side either abutting the end of the seat or resting on the fixed end member; a hinge pivotally connected with the sofa adjacent the seat and pivotally connected with the said side of the movable arm



midway between its inner and outer edges, whereby said edges travel in planes substantially at right angles to one another as the said end is swung on the hinge.

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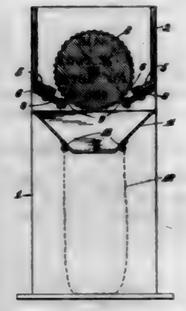
1,558,302. CRUSHER. BEN HILL SMARTT, Five Points, Ala. Filed Nov. 22, 1923. Serial No. 676,266. 4 Claims. (Cl. 83—14.)



1. In a crusher, the combination of a drum roller, superimposed plates arranged at the sides thereof beneath the horizontal plane of the axis of the roller and inclined to serve as a hopper for directing material toward the roller, each of the superimposed plates having a cutting or crushing edge presented toward the roller and adapted to cooperate therewith for enabling the roller to effectively crush material fed thereto when the roller is revolved in either direction.

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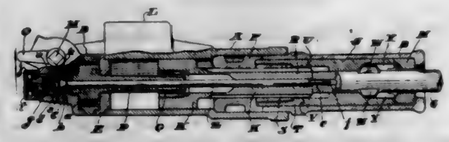
1,558,303. DOUBLE-TUBE CONNECTION. RAYMOND H. SMICKLE, Belvidere, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 24, 1924. Serial No. 739,538. 8 Claims. (Cl. 121—10.)



1. In a fluid actuated rock drill, the combination of a cylinder with a back head, a coniform seat in said back head, a reciprocatory hammer piston in said cylinder, a pair of concentrically arranged conical ended fluid conveying tubes extending through the cylinder, and

resilient means for holding the conical end of one of said tubes against said coniform seat and for holding the conical end of the other said tube in fluid tight contact with the corresponding end of the first said tube.

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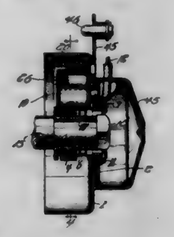
1,558,304. TIMING DEVICE. THEODORE J. SMULSKI, Chicago, Ill. Filed Aug. 18, 1919. Serial No. 318,097. 8 Claims. (Cl. 200—25.)



2. In a timing device; a commutator, a sleeve passing through the commutator out of electrical contact therewith and adapted to be secured to a timing shaft, a radial arm on said sleeve, a contact carrying lever pivoted between its ends on said radial arm and revolvable about the commutator, a contact on one arm of said carrier, spring means for normally holding said contact in operative relation to the commutator and a counterweight on the other arm of the said contact carrying lever.

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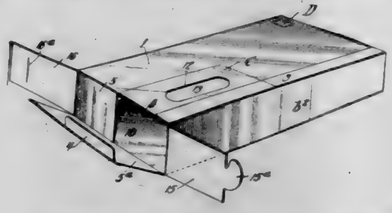
1,558,305. ENVELOPE AND CARTON. MARY IRENE SNAPE, Springfield, Ill. Filed Jan. 7, 1922. Serial No. 527,575. 5 Claims. (Cl. 229—27.)



5. A package for mailing purposes, comprising a rectangular body having six sides and formed from a single sheet of material and including a box-like compartment for mail matter less than first class, and a relatively small letter compartment on the top of said box-like compartment, so that one address applied to the small compartment is sufficient for both kinds of mail matter, flaps for accessibly closing the opposite ends of said box-like compartment, and a flap for non-accessibly sealing the small compartment.

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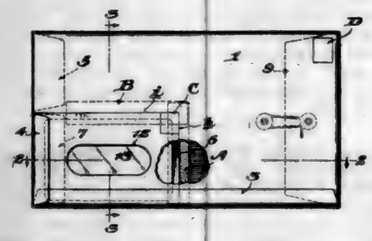
1,558,306. ENVELOPE. MARY IRENE SNAPE, Springfield, Ill. Original application filed Jan. 7, 1922, Serial No. 527,575. Divided and this application filed July 29, 1925. Serial No. 46,800. 7 Claims. (Cl. 229—72.)

7. A blank for forming an envelope having a large and a smaller compartment including a sheet foldable to provide a front and a back, an extension on the front at one end thereof having an outer end substantially registering with the adjacent end of the front, said front having a window and said extension being foldable to underlie the window and to form a smaller compartment in conjunction with the front, a flap on the adjacent end of the front between the window and the rear side of the front formed to be



secured to the back, and a flap on the back adjacent the rear side thereof formed to extend over the said outer end of the extension.

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1,558,307. RAILROAD-TRACK TRUSS ROD. WILLIS W. STEPHENS, Glencoe, Okla. Filed Jan. 15, 1924. Serial No. 686,293. 3 Claims. (Cl. 238—52.)

3. The combination with a truss rod connecting the bases of adjacent rails, of clamps carried by the ends of said truss rod, said clamps comprising flat bars engaging the under sides of the bases of the rails, integral clamping jaws carried by said flat bars, a clamping jaw slidably mounted on each flat bar, said last named clamping jaws being each formed from a flat member engaging the flat bar, integral flanges carried by said flat member and engaging over the edges of the flat bars, said flat member having its inner end provided with a split sleeve and means cooperating with said sleeve for forcing the clamping member as a whole outwardly.

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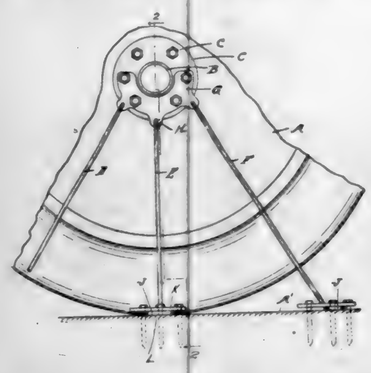
1,558,308. VEHICLE ANCHORAGE DEVICE. HARRY STERNBERGH, Detroit, Mich., assignor to William W. Blakely, Detroit, Mich. Filed Nov. 10, 1924. Serial No. 749,041. 6 Claims. (Cl. 188—32.)



1. In an anchorage device for vehicles, the combination with a vehicle wheel having a body portion, a hub portion and fasteners securing said hub portion to the body portion, of a tie member for holding said wheel from movement, and a member connected to said tie member secured by said fasteners to said wheel.



1,558,309. DISTRIBUTING STICK FOR TYPE. WILLIAM HENRY STOREY, Leicester, England. Filed Sept. 4, 1924. Serial No. 735,747. 6 Claims. (Cl. 276—37.)

1. A distributing stick for type provided with a closed end and a pronged end, characterized in that an adaptor is so pivoted at a point near the pronged end that it can be moved into and out of operative position forming a connected part of the distributing stick with no loose parts to be lost or damaged.

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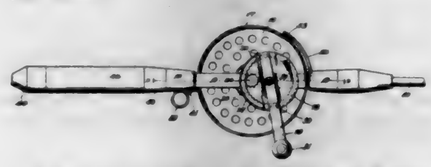
1,558,310. FISHING REEL. GEORGE A. SWASEY, Milo, Me. Filed Oct. 3, 1923. Serial No. 666,816. 4 Claims. (Cl. 43—20.)



1. A fishing reel including a frame, a spindle journaled thereon, means for rotating the spindle, a sleeve upon the spindle limiting the spindle against displacement, a sectional spool assembled upon the sleeve, means rotatably adjustable on the sleeve and clamping the spool sections in position, and means locking the sleeve and spindle to turn in unison and disposed to limit said clamping means against retrograde movement.

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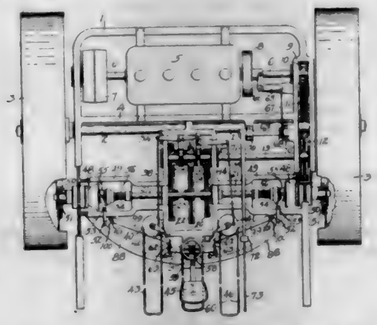
1,558,311. LINE-DRIVE TRACTOR. HOWARD M. SWEET, Detroit, Mich., assignor, by direct and mesne assignments, to Rex Tractor Co., Detroit, Mich., a Corporation of Michigan. Filed Apr. 6, 1921. Serial No. 459,138. 3 Claims. (Cl. 180—17.)



1. In a tractor, means for controlling the operating parts thereof comprising the combination with driving wheels, frame, power plant and transmission mechanism, of a jack shaft operatively connected with the power plant, a clutch member at each end of the jack shaft for connecting or disconnecting the same with the respective driving wheels, levers for operating the clutch devices, transmission mechanism including shiftable members for causing a forward or reverse movement of the tractor, a hand lever for the forward and a hand lever for the reverse shift devices, a wheel connected with each lever, a pair of lines for turning each wheel from a distance and thereby move the respective lever to actuate the shift devices, mechanism for operating each of the clutches including a rotatable shaft, a lever thereon for each clutch device adapted to actuate the same upon turning in one direction only, a wheel on the said shaft, and a pair of lines for the wheel adapted to turn the same in one direction or the other.

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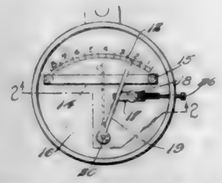
1,558,312. ELECTRIC FLATIRON. PETER SZENT, Chicago, Ill. Filed Mar. 8, 1922. Serial No. 542,191. 5 Claims. (Cl. 219—25.)



1. In an electric flat iron having a heating unit, a circuit control means comprising a pair of spaced contacts, a circuit closer adapted to make contact with both of the aforesaid contacts, and a thermostatic means adapted to actuate the circuit closer to open and close the circuit upon temperature changes in the iron.

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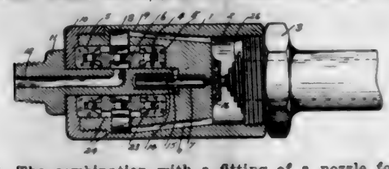
1,558,313. LUBRICATING SYSTEM. PERLE E. TARLTON, Los Angeles, Calif., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 10, 1922. Serial No. 593,527. 5 Claims. (Cl. 285—163.)



1. The combination with a fitting of a nozzle for receiving said fitting, having a bore and a passageway communicating with said bore intermediate its ends, means adjacent each end of said bore for making sealing contact with said fitting, said nozzle including a passageway for venting the inner end of said bore, and an inwardly opening check valve closing one end of said last named passageway.

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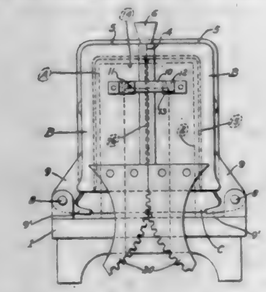
1,558,314. CASTING APPARATUS. GEORGE K. THOMPSON, Summit, N. J. Filed Aug. 31, 1923. Serial No. 660,267. 11 Claims. (Cl. 22—136.)



2. A mold comprising a support provided with a core, mold sections hinged to said support and movable toward and away from said core, and operating means whereby motion is transmitted from one of said mold sections to the other, so as to prevent independent movement of said sections, said operating means comprising toothed gears concentric with the hinges.

1,558,315. SAW FRAME. ERIK TIMANDER, Orsa, Sweden. Filed Oct. 18, 1924. Serial No. 744,370. 5 Claims. (Cl. 145—34.)

5. A saw frame comprising two tube-pieces, the one sliding within the other, a locking ring sliding on the one tube-piece, a projection on the ring facing the adjacent end of the other tube-piece and a depression in a part of the edge of the latter tube-piece which depression is received within the ring and cooperates with the projection for tilting the locking ring and causing it to catch into its tube-piece when the two tube-piece are pushed together.

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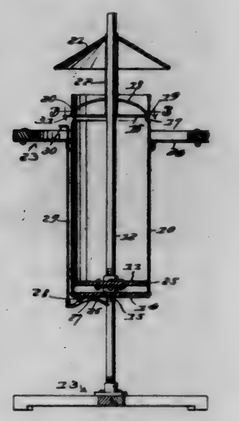
1,558,316. POULTRY FEEDER. JOHN E. TIPPLE, Union City, Ohio. Filed Dec. 4, 1924. Serial No. 753,941. 12 Claims. (Cl. 119—51.)



12. A poultry feeder having a reservoir or receptacle carrying a poultry perch, a stationary follower fitted in the reservoir or receptacle and forming the bottom of the feed chamber thereof, the reservoir or receptacle being movable vertically with relation to the follower, and means for controlling the movement of the reservoir or receptacle with relation to the follower, the follower being carried by a stationary rod or stem carried by said perch, and means mounted upon the reservoir or receptacle for engaging the rod or stem to lock the former against downward movement and consisting of a spring actuated pawl, an operating rod connected therewith, and a retaining pin for engagement by a finger of the operating rod to secure the pawl in its disengaged position.

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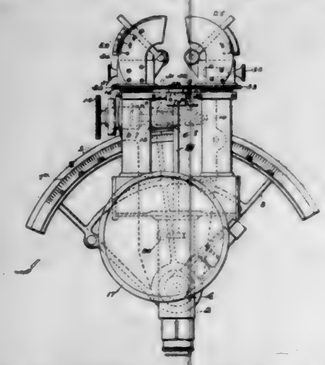
1,558,317. MEANS AND METHOD OF POSITION FINDING BY ASTRONOMICAL OBSERVATION. JOHN PARKER VAN ZANDT, Washington, D. C. Filed June 3, 1921. Serial No. 474,794. 16 Claims. (Cl. 88—2.7.)

1. In a position finding device, means for observing two celestial objects simultaneously and bringing their images into coincidence, said means comprising a telescope system with two objectives and two collimators, and means mounted on each of said collimators capable of rotation in a plane perpendicular to the axis of the collimator, and also capable for rotation in a second plane perpendicular to said first named plane, and suitable scales for indicating the degree of both rotations, and means for setting said first named means against either or both rotations.



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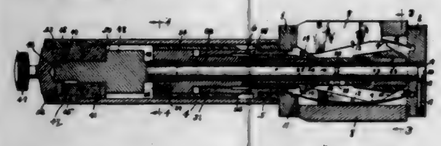
1,558,318. INSIDE MICROMETER GAUGE. HARRY VOLLS, Detroit, Mich., assignor to Volls Precision Tool Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 21, 1924. Serial No. 733,314. 10 Claims. (Cl. 33—178.)



1. In a gauge, the combination of a hollow cylindrical body having a radial slot, a central shaft in the body, expanders slidably mounted on the shaft and having surfaces inclined to the axis of said shaft, a blade mounted in the slot in engagement with said inclined surfaces on the expanders, means to slide the expanders along the shaft in one direction as a unit to force the blade outwardly, and means to vary the distance between said expanders.

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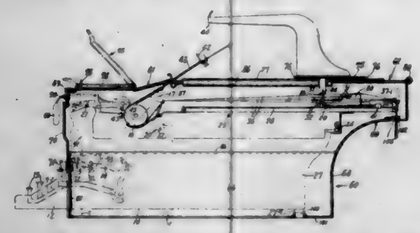
1,558,319. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 17, 1921, Serial No. 501,229. Renewed Oct. 8, 1923. 46 Claims. (Cl. 197—186.)



1. A sound-deadening casing for a continuous billing typewriting machine comprising a frame with a keyboard extension and a carriage with a swingable platen-displacing frame, said casing comprising a body-part through the front of which said extension projects, and a cover



comprising a rearward portion and a forward portion swingable, forward edge first, to a position to rest on said extension and permit forward swinging of the platen-displacing frame, and having a door to permit access to the typewriting machine without shifting said forward portion to its normal position.

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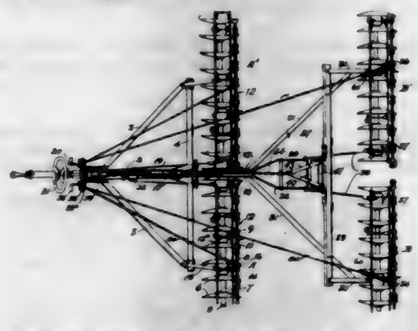
1,558,320. DISK-HARROW MECHANISM. CHARLES H. WHITE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Aug. 4, 1919, Serial No. 315,088. Renewed Mar. 21, 1925. 12 Claims. (Cl. 55—83.)



1. The combination of a front frame, the disk gangs connected thereto, the rear laterally swinging frame flexibly connected to the front frame, the rear gangs connected to the rear frame and adjustably movable relatively thereto, the adjusting device for the rear gangs having a rear element supported on and movable longitudinally of the rear frame, and a front element supported on the front frame and held on lines approximately fixed relatively to said frame, and adapted to exert draft on the rear element and on the rear gangs, and a vertically swinging lever supported on a pivot approximately in the vertical lines around which the rear frame swings and adapted to actuate the rear gang adjusting device.

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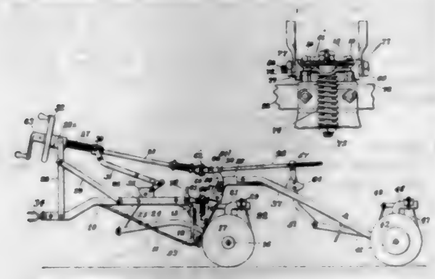
1,558,321. DISK HARROW. CHARLES H. WHITE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Jan. 26, 1920. Serial No. 354,011. 46 Claims. (Cl. 55—88.)



1. In a disk harrow, the combination of front and rear frames pivotally connected together for angular swinging relatively to each other about a vertical axis, and yielding means normally holding said frames against such angular swinging in either direction from their normal position, said means being operable by steering force tending to change the line of travel of the harrow to permit such swinging.

29. A disk harrow comprising in combination a front frame, disk gangs connected with said frame, a rear frame, disk gangs connected with said rear frame, means pivotally connecting said frames together to swing angularly relatively to each other about a vertical axis, a gang adjusting lever mounted on the rear frame, connections operable by said lever to adjust the cutting angle of the rear gangs positively in either direction, and means having a support on the front frame and operatively connected with said lever for actuating the same.

35. In a disk harrow, the combination of a front frame, gangs of disks adjustably connected thereto, a rear frame pivotally connected to the front frame to swing laterally relatively thereto, gangs of disks adjustably connected to the rear frame, power transmitting parts mounted on the front and rear frames respectively and connected with the respective gangs, and power mechanism supported on the front frame and connected with said transmitting parts to positively move the latter fore and aft to adjust the front or rear gangs.

46. In a disk harrow a front frame, gangs of disks connected with said frame and adjustably movable fore and aft, gang adjusting devices carried by said frame and adapted to be operated to adjust said gangs, a rear frame pivotally coupled with the front frame, gangs of disks connected with said rear frame and adjustably movable fore and aft, self-locking gang adjusting devices carried by said rear frame for adjusting said rear gangs and holding them in their different positions of adjustment, and independently operable coaxially mounted means for operating said gang adjusting devices.

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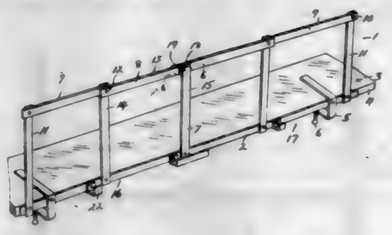
1,558,322. LUGGAGE CARRIER. JAMES FRAZER WHITEHEAD, Detroit, Mich., assignor to Kales Stamping Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 29, 1923. Serial No. 671,538. 9 Claims. (Cl. 224—29.)



8. In a collapsible luggage carrier, the combination with a supporting bar, of a link pivotally connected thereto, a rail pivoted to the link, and a second link pivoted to the supporting bar detachably connected to said rail.

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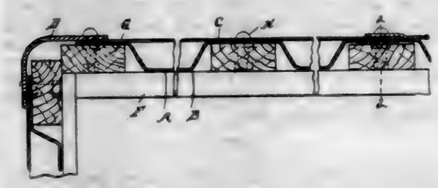
1,558,323. CAR BODY. FREDERICK M. WHYTE, Tarrytown, N. Y., assignor to Hutchins Car Roofing Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 6, 1917, Serial No. 205,776. Renewed Nov. 17, 1922. 14 Claims. (Cl. 105—409.)



4. In a car body, an end wall comprising pairs of metallic sheets extending from the center to the sides and from the sill to the plate, the inner sheets having inwardly-embossed panel portions and portions intermediate said panel portions and above and below the

same, lying substantially in the original plane, the outer sheets lying adjacent to the portions of said inner sheets which are in the original plane and being rigidly secured thereto, and the marginal portions of said sheets at the center of the car being overlapped, interspaced and secured to each other.

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1,558,324. SWITCH. CHARLES D. WIEMER, Los Angeles, Calif. Filed Apr. 13, 1922. Serial No. 552,376. 2 Claims. (Cl. 200—5.)

1. A switch for a signalling system comprising a contact having spaced contact points, a movable contact cooperating therewith to intermittently engage the contact points when the switch is actuated, and a circuit maker and breaker comprising a fixed contact and a movable contact actuated by said first movable contact, said circuit maker and breaker being arranged whereby an electric circuit including said first movable contact is opened, and a circuit including said fixed contact is closed, when the switch is actuated.

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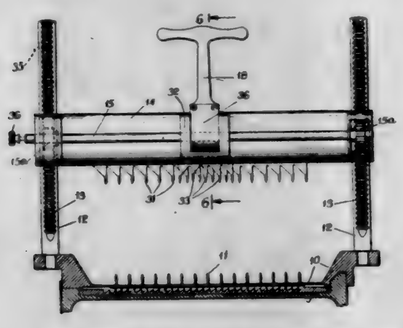
1,558,325. CLAMP FOR MEAT-SLICING MACHINES. GEORGE RUE WOOD, Dayton, Ohio, assignor to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Aug. 24, 1923. Serial No. 659,029. 25 Claims. (Cl. 145—217.)



1. A meat clamp comprising in combination with the guide posts of a meat slicing machine, rack teeth thereon, a clamping bar, a shaft carried thereby, pinions upon said shaft engaging the said teeth, a ratchet upon said shaft, a handle supported by said shaft and adjacent said ratchet, a feed pawl supported by said handle and adapted to engage said ratchet, a retaining pawl also adapted to engage said ratchet, and means operable by the displacement of said handle for engaging and disengaging said pawls and ratchet and for rotating the ratchet and thereby through the pinions and rack lowering said clamping bar.

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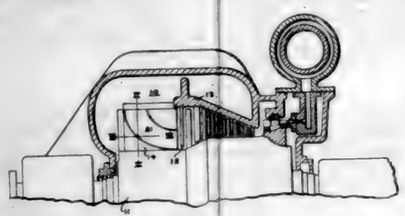
1,558,326. TURBINE BLADING. ERIC ZETTERQUIST, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 21, 1923. Serial No. 682,102. 16 Claims. (Cl. 253—77.)

1. In a turbine, an exhaust blade structure comprising a row of wide blade elements and a plurality of rows of energy-abstracting elements associated therewith, whereby the total cross sectional areas of the passages be-



tween the inlet and the energy-abstracting portions may be made not greater than the inlet areas between the blade elements.

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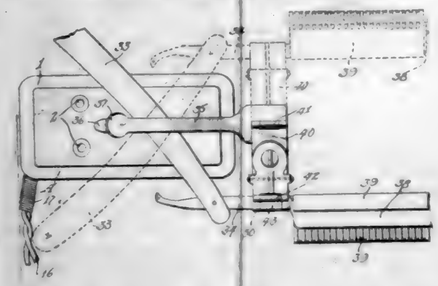
1,558,327. HOLDING DEVICE FOR VIBRATORS. GIORGI ADELMO, Spring Valley, Ill. Filed Oct. 17, 1924. Serial No. 744,298. 4 Claims. (Cl. 30—12.)



1. A device of the type described comprising a casing, an electric vibrating mechanism mounted within said casing, and a clamping mechanism operatively connected with said vibrating mechanism for supporting the ordinary type of razor thereupon in an operative position, whereby the razor may vibrate with said clamping mechanism, said clamping mechanism comprising a guide strap having a spring clamp for pressing the blade of said razor into engagement with said guide strap, and a second clamping member arranged to hold the handle of said razor against movement, said second named clamping member comprising spring portions arranged to yieldably engage with the exterior walls of said handle and a separator arranged to extend through the solid portion of said handle, said spring members and said separator being in substantial registration with one another.

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1,558,328. SAW-SETTING APPARATUS. DOMINIK ALESKUS, Cloquet, Minn. Filed May 5, 1925. Serial No. 28,284. 1 Claim. (Cl. 76—71.)

A saw setting device including a stem having one end threaded, and the other end merging into a flattened portion, a handle threadedly engaged on the threaded end of the stem, a second handle extending rigidly from the flattened portion coaxially with the first handle and the stem, said flattened portion provided with a slot forming a pair of spaced jaws, a regulating plate slidably mounted over the slot in the flattened portion and having an extension at its end disposed in the slot, a plate on the flattened portion, said regulating plate slidable through said last mentioned plate, and a set screw threaded through the last mentioned plate for holding regulating plate in different adjusted positions.



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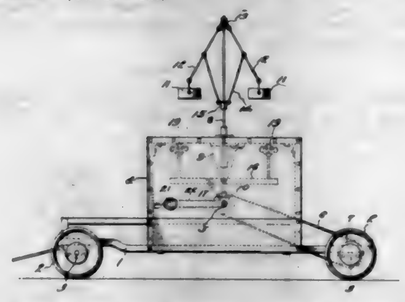
1,558,329. TOY. BERNARD J. ASSENDRUP, Twin Falls, Idaho. Filed Mar. 10, 1923. Serial No. 624,289. 1 Claim. (Cl. 46—45.)



A toy of the class described comprising a wheeled frame, a housing thereon having openings in its top, a horizontal shaft journaled in the housing, means for driving said shaft from one of the wheels of the frame, a vertically arranged shaft passing through the top of the housing, gears connecting the same with the horizontal shaft, arms pivotally connected with the top of the vertical shaft, baskets connected with the lower ends of the arms, a collar slidably mounted on the vertical shaft, links pivoted to the collar and to the arms, a hanger in the housing, a see-saw pivoted to the hanger, an eccentric on the horizontal shaft, a link connected with the eccentric strap and with the see-saw, figures carried by the see-saw and adapted to appear and disappear through the openings in the top of the housing when the see-saw is actuated, a musical device and means for actuating the same from the horizontal shaft.

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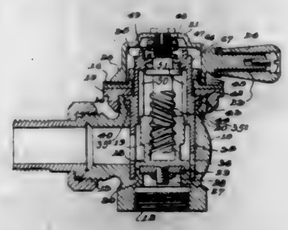
1,558,330. VALVE FOR RADIATORS. JAMES GARFIELD BAIN, Helena, Mont. Filed Apr. 18, 1922. Serial No. 554,596. 3 Claims. (Cl. 251—157.)



1. In a device of the class described, a valve casing including an inlet member and an outlet member, a sleeve mounted in the casing, in vertical alinement with the inlet member, a valve member within the sleeve and including a tubular element, a stem threaded into said tubular element for reciprocating the valve member, said sleeve having circumferentially arranged ports of different sizes, the casing being grooved vertically at points having predetermined relation to the ports, means adapted to enter any of the grooves for retaining the sleeve in position for centering any port thereof in alinement with the outlet member, and guiding means between the valve member and the sleeve.

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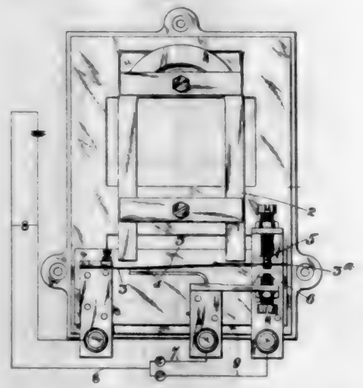
1,558,331. THERMALLY-ACTUATED ELECTRIC SWITCH. PERCY WILLIAM BAKER, Putney, London, England. Filed Sept. 1, 1921. Serial No. 497,644. 1 Claim. (Cl. 200—122.)



A thermally-actuated electric switch, comprising a base, a horse shoe magnet arranged thereon, a block secured on the base, a spring member held at one end in the block, a plate of magnetic material secured to the opposite end of the member and in line with one of the poles of the magnet, said plate being extended and provided with a contact, opposing contacts carried by the base to be engaged by the contact on the plate in the respectively opposite positions of the member, and a circuiting wire coiled about the member, and means for energizing said wire when the member is in position incident to the attraction of the magnet.

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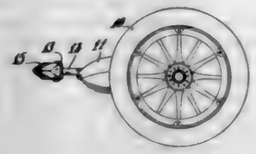
1,558,332. CUSHIONING FENDER FOR VEHICLES. HENRY H. BASCH, New York, N. Y. Filed Aug. 15, 1924. Serial No. 732,146. 4 Claims. (Cl. 293—55.)



1. A cushioning member for a fender bar comprising a rubber strip arranged for mounting on the said bar, an inner pneumatic tube in said strip, said strip being of triangular cross section, and having a plurality of apertures formed therein, wires passed through said apertures and bent around the top and bottom edges of said bar, and having their outer ends twisted together for holding said member in position on said fender bar.

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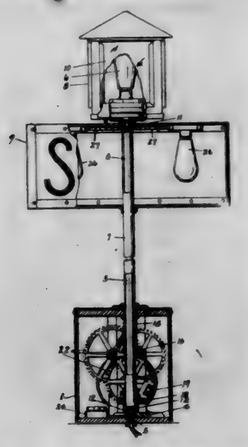
1,558,333. SIGNAL. JOSEPH M. BENNINGHOFF, Bryan, Ohio. Filed June 5, 1922. Serial No. 565,918. 3 Claims. (Cl. 116—68.)

1. In a device of the class described, the combination of a housing, constituting a base, a standard projecting upwardly form said housing, a tubular shaft rotatably mounted on said standard, an actuated member mounted on said shaft, a ratchet-like positioning cam mounted within said housing at the base of said standard, a ratchet-like positioning member on the lower end of said shaft riding upon said positioning cam, a star wheel on

said shaft having teeth corresponding with the cams of said positioning member, a driving wheel provided with a tappet adapted to engage with a tooth of said



star wheel on each revolution whereby the shaft is rotated with a step by step movement, a motor within said housing, and a train of gears connecting said motor to said driving wheel.

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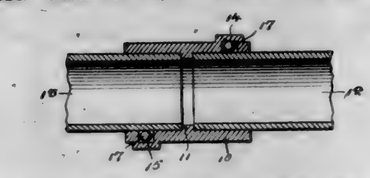
1,558,334. PIPE COUPLING. JOHN C. BOSS and RUDOLPH F. BOSS, Westerville, Ohio. Filed June 27, 1924. Serial No. 722,776. 1 Claim. (Cl. 285—198.)



A coupling for connecting the adjacent ends of two pipes, said coupling comprising a sleeve adapted to receive said pipes, an internal annular flange arranged centrally of said sleeve and adapted to be engaged by the adjacent ends of said pipes, cam shaped pockets arranged adjacent the opposed ends of said sleeve, the walls of each pocket projecting outwardly from said sleeve at one end and merging into the wall of the sleeve at the other end, and one side wall of each pocket having an opening therein, whereby a ball may be inserted in the pocket through said opening after the pipes have been associated with said sleeve for the purpose specified.

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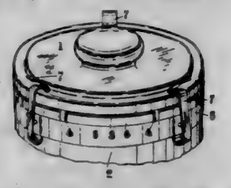
1,558,335. CLOSURE MEANS FOR JARS. WALDO EDWARD BRADEN, Gilden Park, England. Filed Mar. 5, 1924. Serial No. 697,100. 7 Claims. (Cl. 215—89.)



1. Closing means for jars and the lids thereof having complemental seating surfaces, comprising a washer for application to one of said seating surfaces, positive retaining elements in continuous contact with said washer for permanently securing said washer in position, means for releasably locking the lid to the jar, and positioning means for said retaining elements and said lid locking means.

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1,558,336. PROCESS OF ABSORBING VAPORS. JEAN HENRY BRÉGEAT, Paris, France. Filed Apr. 12, 1924. Serial No. 706,187. 1 Claim. (Cl. 252—4.)

In the absorption and removal of vapors from gas-vapor mixtures, the herein described improvement which comprises subjecting such gas-vapor mixtures to the absorbing action of an absorbent liquid comprising a hydrogenated phenolic body.

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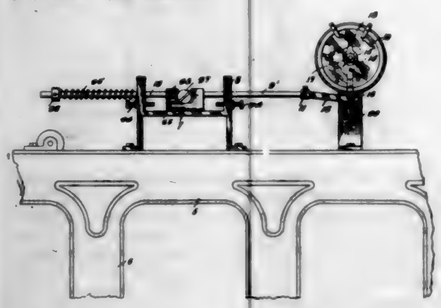
1,558,337. TESTER. WALTER J. BRITTON, Spartanburg, S. C. Filed Sept. 12, 1924. Serial No. 737,429. 6 Claims. (Cl. 265—1.)



1. In combination with a lease rod of a slasher, a frame, bearing brackets mounted on the frame, said brackets including horizontal surfaces having grooves formed therein, bearing members having grooves, balls mounted in the grooves, said bearing members having cut out portions to accommodate the ends of a lease rod, an indicating member mounted on the frame, and means connected with one of the bearing members and indicating member for moving the indicating member when the bearing member moves, and said lease rod adapted to be moved by variations in the thickness of the sizing material on the yarn passing over the lease rod.

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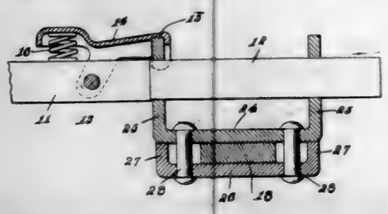
1,558,338. CARRIAGE RUNNER. FERN O. BROOKS, Boyne City, Mich. Filed July 13, 1923. Serial No. 651,365. 1 Claim. (Cl. 280—14.)



Carriage runners of the character described embodying flat transversely rectangular metal strips including a runner and an intermeditately offset bar spaced above the runner, braces connecting the ends of the bar to the runner, front and rear spindle receiving brackets upon the end portion of the intermediately offset bar, the rear bracket comprising a plate having arcuate shaped apertured registering lugs extending therefrom, the front axle bracket including long and short U-shaped companion members respectively, said short companion member secured to the underside of the long companion member and clamping the front portion of the bar therebetween, the upper ends of the long companion members having registering openings therein to receive the pintles of the axles therein, and spring tensioned holding means receiving the inner arcuate shaped ears of the front and rear axle brackets respectively.



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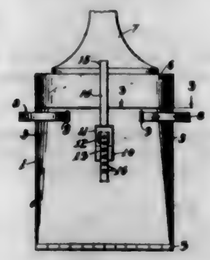
1,558,339. PAINTBRUSH PROTECTOR. LEONARD H. BROWN, North Palo Alto, and RUDOLPH MALMGREN, Mayfield, Calif. Filed Mar. 7, 1924. Serial No. 697,624. 4 Claims. (Cl. 91—63.)



1. A paint brush protector comprising a pair of jaws hinged together at one end and having triangular shaped interlocking sides, and an element mounted thereon and extending beyond one end thereof and adapted to engage the body portion of a brush placed therein.

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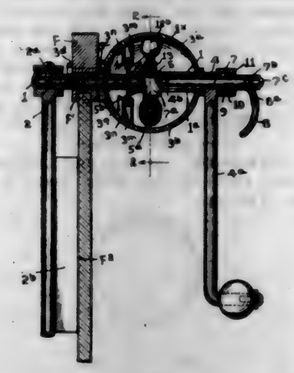
1,558,340. WINDSHIELD WIPER. RUSSELL JAMES BROWNBACK, Norristown, Pa. Filed June 10, 1924. Serial No. 719,168. 14 Claims. (Cl. 15—255.)



1. A wind-shield wiper, comprising a rock shaft movably mounted on the windshield; means for rocking said shaft; a wiper carrying arm on said shaft engaging the wind shield glass; and means for shifting said shaft to move said arm out of engagement with the glass at the end of each wiping stroke.

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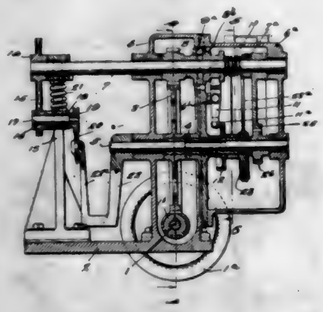
1,558,341. SEAM-REENFORCING MACHINE. JAMES W. BRUNDAGE, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 22, 1923. Serial No. 682,294. 11 Claims. (Cl. 154—1.)

1. In a machine of the class described, a supporting roller journaled to rotate about a fixed axis, a pressing roller cooperating therewith, a supporting arm on one end of which said supporting roller is journaled extending substantially perpendicular to said axis, and means for supporting the other end of said arm and swinging it in a path concentric to said axis.



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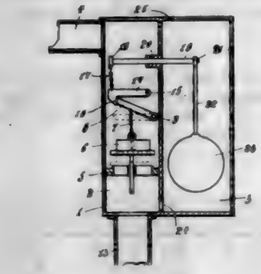
1,558,342. FLUSHING DEVICE. CHARLES EDWARD CHITTENDEN, Auckland, New Zealand. Filed May 21, 1924. Serial No. 714,968. 2 Claims. (Cl. 4—53.)



1. A flushing apparatus, comprising, a valve compartment, a valve in the valve compartment, a float compartment, a float in the float compartment, an outflow pipe connected to the valve compartment below the valve, a by-pass interconnecting the compartments, an operating handle, a lever in the valve compartment controlled by the operating handle, a flexible connection between the valve and the lever, a pivoted catch positioned above the lever, a sloping faced hooked end on the catch, an end face on the lever cooperating with the sloping portion of the catch to engage the lever with the catch by gravity when the lever is sufficiently raised, and connecting means between the catch and the float whereby rising of the float causes disengagement of the catch from the lever.

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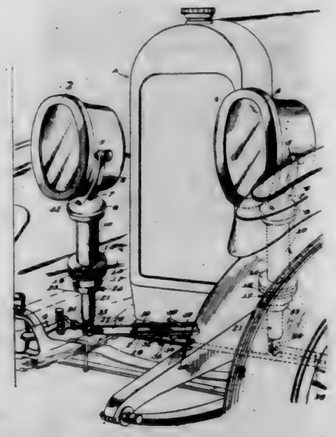
1,558,343. HEADLIGHT. GUSTAVE COOK, Gillett, Wis. Filed Feb. 14, 1925. Serial No. 9,254. 3 Claims. (Cl. 240—62.)

1. In a dirigble headlight supporting and operating device, a vertical shaft rotatably supported on a stationary part of a vehicle, said vehicle having the usual axially movable cross connecting rod between the steering arms for the steering wheels of the vehicle, a plate clamped on said connecting rod, said plate having an upstanding stud formed with a reduced upper end portion and with a pair of oppositely extending lateral pin projections, a roller disposed on said reduced upper end portion of the stud, other rollers mounted on the lateral

pin projections, and a link attached at one end to the lower end of said shaft and having a longitudinally extending slot in which the roller on the reduced upper



end portion of said stud works, the slotted portion of said link resting upon the rollers on said lateral pin projections.

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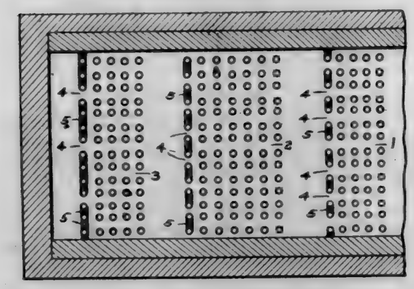
1,558,344. BAFFLING FOR BOILERS. JOSEPH B. CRANE, Pittsburgh, Pa., assignor to George T. Ladd, Pittsburgh, Pa. Filed Oct. 24, 1923. Serial No. 670,489. 2 Claims. (Cl. 110—98.)



1. A vertical water tube boiler having in combination vertical banks of tubes, a combustion chamber and an outlet for gases so arranged on opposite sides of the banks of tubes that the line of flow of hot gases will be at an angle to the tubes and baffles extending parallel with and the entire widths of the banks of tubes and having openings therethrough the openings in adjacent baffles being out of alinement and the area of said openings increasing from points adjacent to the combustion chamber.

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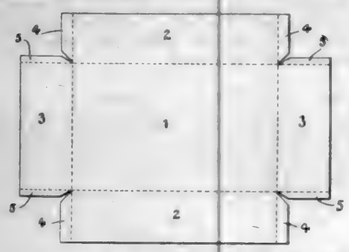
1,558,345. DIE. MARTIN DE LIN, Holland, Mich. Filed June 30, 1924. Serial No. 723,085. 6 Claims. (Cl. 113—46.)

1. A device of the class described comprising a die having a rectangular opening therethrough, rollers mounted at the corners of the die adapted to successively operate upon the flaps of the sides and ends of a box blank to interlock them as the blank from which



the box is formed is forced through the die, and means for forcing a blank through the die substantially as described.

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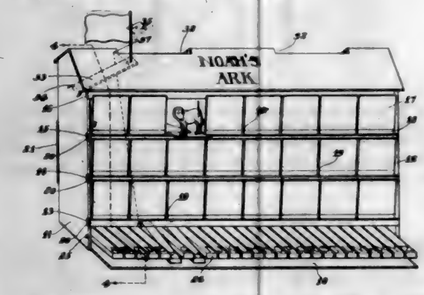
1,558,346. EDUCATIONAL TOY. VICTOR EHRMAN, Los Angeles, Calif. Filed Dec. 23, 1924. Serial No. 757,635. 7 Claims. (Cl. 35—9.)




1. An educational toy comprising end walls, a spindle secured between said end walls, keys pivoted upon said spindle, a support secured between said end walls, panels hinged to said support, statuettes mounted upon said panels and means connecting said keys to said panels whereby when said keys are depressed said panels will be caused to assume horizontal positions so as to display the statuettes thereon.

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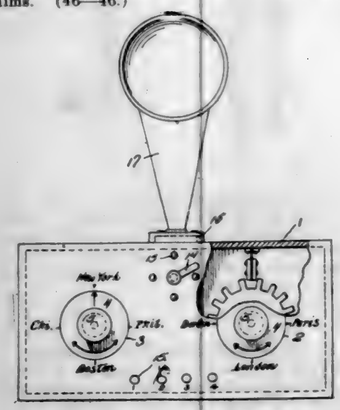
1,558,347. RADIOTOY. ALBERT PHIL FARROW, Knoxville, Tenn. Filed Feb. 26, 1925. Serial No. 11,836. 2 Claims. (46—46.)



1. A toy of the class described including a cabinet having a front panel provided with an opening, a dial rotatable in the opening and having a hub portion, a



plate on the inside of the panel over the opening and provided with an opening for rotatably receiving the hub of the dial, a wheel on the inner end of the hub provided with radially extending peripheral teeth, and a spring supported on the top of the cabinet extending downwardly to engage the teeth of the wheel whereby when the dial is rotated, a clicking noise will be made.

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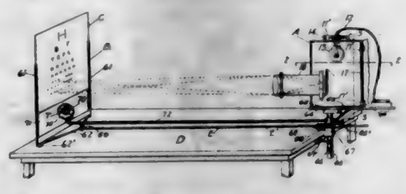
1,558,348. METHOD OF AND APPARATUS FOR VISION TESTING, ETC. CLARENCE ERROL FERREE and GERTRUDE RAND FERREE, Bryn Mawr, Pa. Filed Jan. 24, 1921. Serial No. 439,572. 36 Claims. (Cl. 88—20.)



1. The method of illuminating uniformly a test chart for the purpose of testing visual acuity which comprises the formation of an evenly illuminated aperture, projecting an image of said aperture upon said test chart and varying the intensity of illumination of said image while maintaining uniformity of distribution of illumination in the image without varying the size, shape or color thereof.

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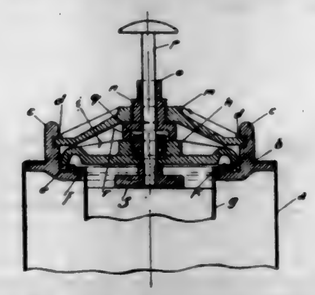
1,558,349. LID FOR FIRE EXTINGUISHERS. CLEMENS GRAAFF, Berlin, Germany. Filed May 26, 1915. Serial No. 30,671. 3 Claims. (Cl. 220—55.)



1. A bridged lid for fire extinguishers, consisting of a lid plate, a seat on the fire extinguisher for said lid plate, a bridge detachably fitted to the extinguisher, a screw spindle screwing in said bridge and adapted to press said lid against said seat, the said screw spindle and said lid plate being bored and adapted to act as a guide for a tappet, for operating the extinguisher, a stuffing box in said lid plate for said tappet, and on the lower end of said screw a bell, completely covering said stuffing box, when the bridge is in operative position.

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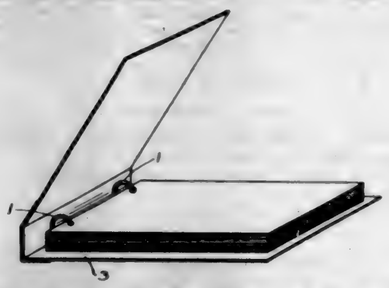
1,558,350. BINDER. LESTER C. GREEN, Seattle, Wash. Filed Sept. 2, 1924. Serial No. 735,802. 2 Claims. (Cl. 281—25.)

1. A binder, comprising a back, a plurality of leaves thereon, a tubular substantially U-shaped metallic clip carried by the back and having one leg only extending through registered perforations in the leaves, said leaves capable of being moved along said leg and turned over on to the other leg, and means for permanently securing each leg of the clip to said back including a roughened tack piercing the back with its head at the outer side of the back and its shank entering one of the tubular legs, and the leg being crimped into snug engagement



with the roughened portion of the shank, the back being gripped snugly between the head of the tack and the bottom end of the leg.

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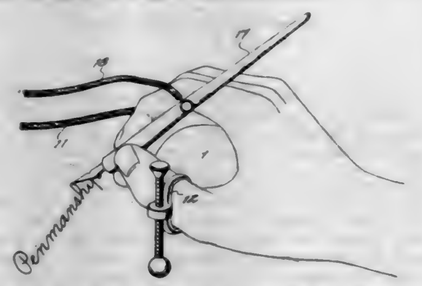
1,558,351. ELECTRIC WRITER. RICARDO GUASCO, Aguascalientes, Mexico. Filed Sept. 23, 1924. Serial No. 739,409. 3 Claims. (Cl. 174—177.)



1. In a rest for the hand of a writer, electrodes, one on which the hand of the writer rests, and the other designed to be gripped between the fingers of the writer, and said electrodes designed to be hitched to a mild source of electricity.

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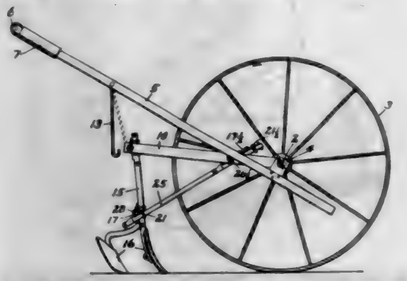
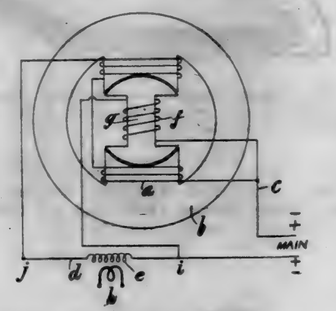
1,558,352. CULTIVATOR. ROBERT L. GUTHRIE, Los Angeles, Calif., assignor to Abbie C. Guthrie, Los Angeles, Calif. Filed Sept. 1, 1922. Serial No. 585,636. 4 Claims. (Cl. 97—59.)



1. A cultivator comprising an axle, a supporting wheel mounted upon the center of the axle, bearing plates swingingly mounted on the ends of the axle, a U-shaped handle frame having side members secured to the bearing plates so that the handle may be swung forwardly and backwardly over the wheel, a second U-shaped frame mounted on the axle inside of the bearing plates, set collars on the axle to hold the arms of the second frame

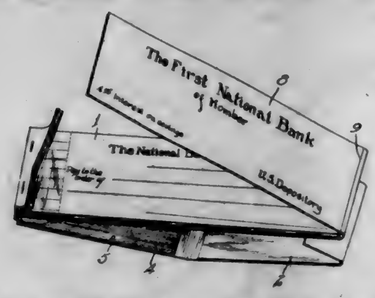
from lateral movement, the cross portion of the second frame being a rod having its ends extending through the ends of the side bars and removable clamp collars upon the rod against the side bars, a cultivator element mounted upon the cross rod, and a hook connected to the handle frame and adapted to optionally engage under the cross rod so as to carry the cultivator element up and down with the handle.

1,558,353. ELECTRIC RESISTANCE WELDING. CECIL ALLARTON HADLEY, Inverness, Scotland. Filed July 8, 1924. Serial No. 724,900. 8 Claims. (Cl. 219—4.)



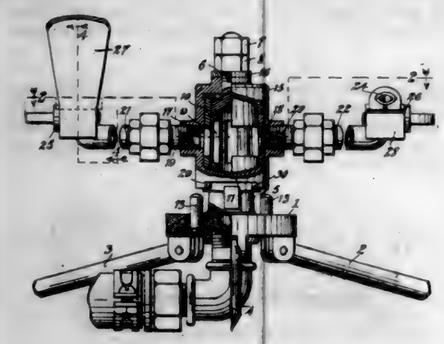

7. In electric resistance welding the combination with a plurality of welding transformers and a source of supply of alternating current therefor, of an induction regulator disposed between the source of supply of alternating current and the welding transformers, a primary winding on said induction regulator in series with the welding transformers, and a secondary winding on said induction regulator in shunt with said primary winding and said welding transformers, said primary and secondary windings being relatively rotatable in such a manner that in one position the secondary winding induces an increased voltage in the primary winding and in another position the voltage in the primary winding is reduced, whilst in intermediate positions the current supplied to the welding transformers will be due to the normal supply voltage.

1,558,354. CHECK-BOOK BLOTTER. ORRIS H. HALVERSON, Manitowoc, Wis. Filed Feb. 23, 1923. Serial No. 620,783. 1 Claim. (Cl. 281—4.)



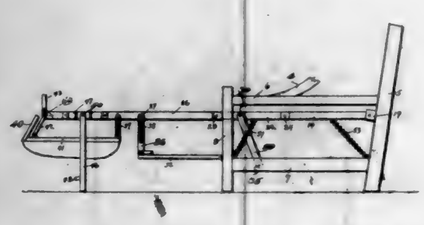

In a check book blotter construction for check books, of the type having a cover with a flap receiving recess therein, a check book having a flap adapted to be received in said recess, said blotter construction comprising a flap adapted to be received in said recess, a check book supporting member hingedly secured to said letter flap, and a blotter hingedly secured to the free end of said member and adapted to overlie the uppermost check in the check book.

1,558,355. LAWN SPRINKLER. CHARLES W. HART, Rexford, Mont. Filed Mar. 13, 1924. Serial No. 699,100. 5 Claims. (Cl. 299—71.)



1. A lawn sprinkler, which comprises a base portion, a valve spindle thereon and having ports therein, a valve sleeve mounted on the spindle and having a port, a valve casing mounted on the sleeve and having oppositely arranged ports, said sleeve and casing both being rotatable on the spindle and the casing rotatable with respect to the sleeve, and means on the base to engage the sleeve to interrupt its motion at predetermined points in its travel.

1,558,356. FOLDING BED. JOHN P. HARTMAN, San Francisco, Calif. Filed Nov. 3, 1923. Serial No. 672,654. 1 Claim. (Cl. 5—16.)



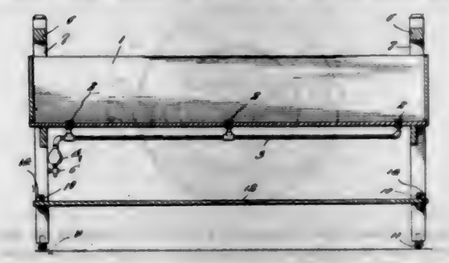
In a device of the character described, a back frame, braces extending from said back frame, uprights secured to said braces, longitudinal spacers extending between said braces, a longitudinal member secured to said back-frame, parallel members extending between said longitudinal spacers, a U-shaped angle iron head section, pivoted to said longitudinal member, intermediate angle iron members pivoted to said head sections, a radius link extending between said intermediate members and said parallel members, an offset bruce extending between said intermediate members, a foot section pivoted to said intermediate members, a seat frame pivoted to the foremost of said longitudinal spacers, and supported from said foot section by sliding links, legs offset from said foot section, and pivoted thereto, and a back cushion frame secured to said foot section.

1,558,357. FLOWER BOX. DR WITT HENLEY, Houston, Tex. Filed Dec. 26, 1922. Serial No. 608,843. 1 Claim. (Cl. 47—34.)

In a flower box structure, a stand, a box supported thereon in a horizontal position and elevated above the bottom of the stand, pipes passing vertically through the



bottom of the box, a horizontally disposed pipe located below the box and connected with the first mentioned pipes, a drip chamber connected with the horizontal pipe



and located below the same, and a valve cock connected with the drip chamber and supported above the bottom of the stand.

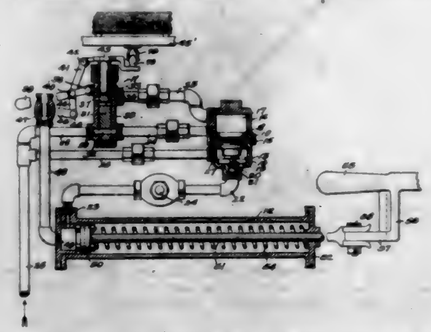
1,558,358. SIPHON APPARATUS. KENNETH CLAUDE DEVEREUX HICKMAN, London, England. Filed Mar. 19, 1921. Serial No. 453,848. 3 Claims. (Cl. 137—106.)

1. Siphon apparatus for rendering constant the level of liquid in a receptacle irrespective of the rate of inflow thereto, including a long lib, a short limb, an interconnecting portion, said limbs being adapted to straddle a wall of the receptacle and constituting with said interconnecting portion a vacuum space, a source of reduced air pressure in permanent communication with said vacuum space, a permanent liquid seal for the lower end of said long limb and a vacuum space closure orifice in said short limb which determines and is substantially the same as the height of the said constant level.

1,558,359. WATCH-PROTECTING DEVICE. JOSEPH HONIG, New York, N. Y. Filed Aug. 15, 1924. Serial No. 732,258. 2 Claims. (Cl. 24—3.)

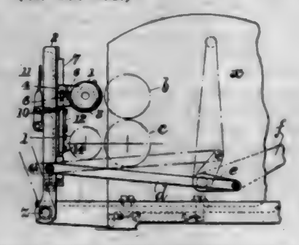
1. In combination with a watch and chain, a longitudinally expansible link forming the connecting medium between the watch and the chain, said link comprising a cylindrical casing closed at both ends, a plunger pin extending longitudinally in said casing and projecting at one end through one end of the casing and a series of prongs pivotally connected at one end to the inner end of said plunger pin and engaging at their opposite ends in apertures in the said end of the casing, and a displaceable locking bolt projected through the side of said casing to engage and lock said plunger pin.

1,558,360. TRAIN CONTROL. GEORGE P. HORAN, Rutland, Vt. Filed May 19, 1923. Serial No. 640,204. 7 Claims. (Cl. 246—189.)



4. In an air brake system and in combination with the engineer's valve thereof, a motor for operating the engineer's valve, said motor comprising a cylinder having each of its ends open to the atmosphere, a piston connected at one end to the engineer's valve and having a head movable through said cylinder, a second valve, said second valve being of the balanced type, a piston in the second valve, means for admitting train-line pressure to opposite sides of the piston to balance the same, means for establishing communication between said balanced valve and the cylinder of the engineer's valve motor, a valve associated with the balanced valve for closing said communication means, means for disturbing the balance of the balanced valve to open the valve associated therewith and admit train-line pressure to the cylinder of the engineer's valve motor to give an operation of the engineer's valve, and means for automatically and simultaneously closing the atmospheric communication of one end of said motor cylinder.

1,558,361. MACHINE FOR PRINTING WORDS AND FIGURES ON CHECKS, DIVIDEND WARRANTS, AND THE LIKE. JAMES H. HORNER, London, England. Filed Feb. 3, 1925. Serial No. 6,566. 10 Claims. (Cl. 101—93.)

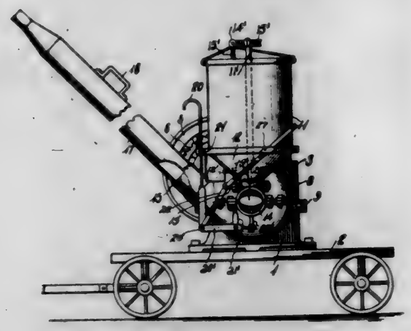


1. A hand operated printing machine having a pivoted frame and a platen which is vertically movable on the frame.

1,558,362. DUST-INSECTICIDE-APPLYING MACHINE. JOHN C. HULL, Gasport, N. Y. Filed June 24, 1922. Serial No. 570,752. 4 Claims. (Cl. 43—148.)

3. In an insecticide applying machine, the combination with a blower having a fan therein, a motor for driv-

ing said fan, an air inlet to said blower, adjustable means for regulating the quantity of air admitted to the blower, a valve for admitting the insecticide to said



blower in a determined ratio to the quantity of air, means connecting said valves whereby they operate in unison, and a discharge for said blower.

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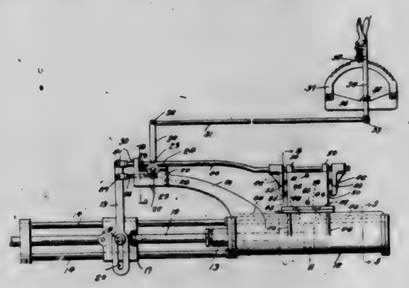
1,558,363. REVERSING GEAR FOR LOCOMOTIVE ENGINES. SMITH H. HUNTER, Buntyn, Tenn. Filed Dec. 1, 1921. Serial No. 519,242. 2 Claims. (Cl. 121—41.)



1. A reverse mechanism including a cylinder, a piston operable therein associated with reversing gear, an upstanding link cooperating with said piston and gear, valve means to control the admission and exhaust of motive fluid into and from the cylinder having a casing, an arm extending beyond and above one end of the cylinder, said arm having a bearing block, plates secured to said bearing block, a shaft journaled intermediate said bearing block and plates, a crank on said shaft, a link extending from the crank to the first mentioned link, a rod extending from the first mentioned link above the shaft and second mentioned link and slidably mounted on said casing, means on the rod to operate the valve means, a crank arm extending from said shaft, and means to operate the crank arm.

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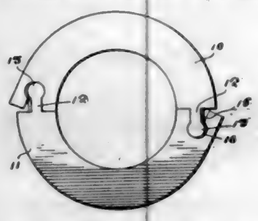
1,558,364. WASHER. ELMER J. IVERSON, Petersburg, Territory of Alaska. Filed July 16, 1923. Serial No. 651,998. 1 Claim. (Cl. 85—51.)

A device of the character described comprising two complementary semi-circular plate sections, each of which is provided with a bifurcation at one end and a recess at the inner end of the bifurcation, the opposed faces of the bifurcated parts and the walls of the recesses being formed with continuous V-shaped in cross section grooves, a head carried by the opposite end of each of the sections having beveled edges adapted to be received in the



grooves, and the bifurcated part being adapted to be bent into engagement with the head whereby to lock the two sections together.

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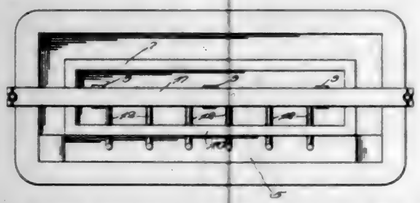
1,558,365. MOLD. CARL C. JENSEN, Chicago, Ill. Filed July 7, 1923. Serial No. 650,146. 2 Claims. (Cl. 25—118.)

1. A mold comprising a box having an open front and an open top, a core consisting of two sections, one moving through the open front of the box and the other through the open top of the box, rods adapted to be clamped between the sections with the ends arranged to be embedded in the casting.

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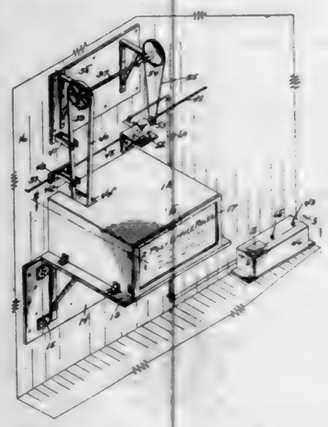
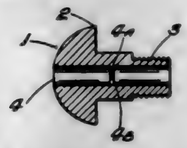
1,558,366. PROTECTING DEVICE. LEE ROY JOHNSON, Brenham, Tex. Filed Jan. 31, 1925. Serial No 6,098. 5 Claims. (Cl. 89—1.)



1. A device of the character described comprising a gun, normally disengaged means for operating the hammer of the gun to discharge the latter, electrically operated means for actuating the hammer operating means and means remote from the gun for engaging the hammer operating means with the hammer.



1,558,367. APERTURE SIGHT. ROBERT KERR JOHNSTON, Dunedin, New Zealand. Filed Nov. 10, 1922. Serial No. 601,325. 3 Claims. (Cl. 33—47.)



1. As a new article of manufacture a sight, comprising an apertured member having an enlarged and convex dome-shaped end, the aperture extending through the dome-shaped end.

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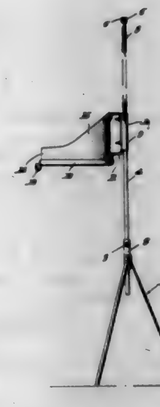
1,558,368. SACK HOLDER. GEAN JONES, Sylvester Township, Green County, Wis. Filed May 21, 1924. Serial No. 714,930. 1 Claim. (Cl. 33—26.)



In a sack holder, a supporting base, a rod rising from said base, a cap on the upper end of said rod equipped with laterally extending diametrically opposite hooks, a sleeve freely slidable on said rod, a bracket fixed to and extending laterally from said sleeve, an annular band secured to said bracket and equipped with a bag supporting hook, a cylindrical filling member rising from said band with its rear side made higher than its front, and coiled springs connecting said slidable sleeve with the hooks of the cap, whereby the holder is yieldably held supported by said rod.

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1,558,369. CUTTER. SAMUEL L. JONES, Longton, Kans. Filed Sept. 19, 1924. Serial No. 738,607. 4 Claims. (Cl. 146—147.)

1. A cutter of the character described comprising a base block, upstanding parallel guides carried by the ends of the base block for receiving the material to be cut therebetween, a pivoted frame, an operating handle for the frame, and a plurality of equi-distantly spaced knives carried by the frame, the guides being provided with spaces for receiving the knives to guide the same during the cutting operation.

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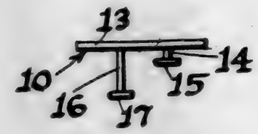
1,558,370. COLLAR BUTTON. CLARENCE J. KELLEY, Kalispell, Mont. Filed July 25, 1924. Serial No. 728,124. 5 Claims. (Cl. 24—101.)




1. A collar button comprising a flat plate, and a pair of studs projecting from one face of said plate and being positioned inwardly from the edges thereof, one of said studs being shorter than the other.

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1,558,371. DEVICE FOR THE CLEANING OF SPINNING APPARATUS FOR THE MANUFACTURE OF ARTIFICIAL FILAMENTS. HUBERT KEMPF, Barmen, Germany, assignor to the Firm J. P. Bemberg A. G., Barmen-Rittershausen, Germany. Filed Apr. 20, 1925. Serial No. 24,620. 2 Claims. (Cl. 18—8.)

1. Apparatus for the manufacture of artificial filaments, comprising a spinning funnel, an outer casing enclosing said funnel, said outer casing having a hole in its side in the neighbourhood of the level of the top of the funnel, and a pipe for the supply of cleaning liquid passing from the exterior of the apparatus through said hole to the interior of said funnel.

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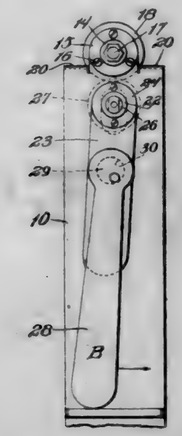
1,558,372. CAN OPENER. THOMAS A. KILLMAN, Nashville, Tenn. Filed Jan. 8, 1925. Serial No. 1,223. 17 Claims. (Cl. 30—3.)

14. In a can opener, a vertical support, a cutting roller rotatable upon the support, a feeding roller for engagement with the under surface of a can rim carried by the support and adjustably shiftable in a straight line toward and away from the axis of the cutter roller,

means for rotating the feeding roller, and means for shifting the feeding roller, a pair of arms carried by said vertical support and extending outwardly at opposite



sides of the cutting roller and adapted to overly a can top to prevent oscillation of the can during the cutting operation.

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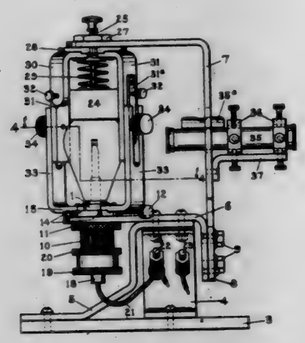
1,558,373. FIXTURE FOR REBASING LAMPS. RICHARD C. LEAKE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Sept. 24, 1921. Serial No. 502,955. 22 Claims. (Cl. 176—3.)



1. In a rebasing fixture of the character described, an axially adjustable plunger for engaging the center contact of the base of the lamp to be rebased, a block with a cavity therein to fit over the end of the lamp bulb, means for yieldingly pressing said block toward said plunger and thereby holding the lamp firmly, and means for adjusting said block in any direction laterally with respect to the axis of said plunger.

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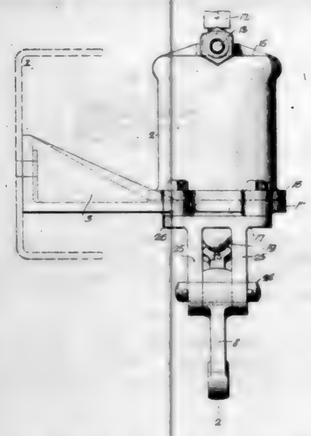
1,558,374. AIR-BRAKE MECHANISM. IRVIN D. LENGEL, Reading, Pa., assignor to Lengel Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 8, 1924. Serial No. 736,617. 6 Claims. (Cl. 303—6.)

1. The combination in brake mechanism, of a cylinder; an abutment extending into the cylinder; a hollow piston located between the abutment and the walls of the cylinder, said piston having a plurality of pressure



surfaces; and means for successively applying fluid to said surfaces of the piston to project the piston and to apply the brakes.

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1,558,375. SPINNING OF ARTIFICIAL SILK. OTTO LEUCHS and EMIL HÜBERT, Elberfeld, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed May 4, 1925. Serial No. 28,010. 3 Claims. (Cl. 18—54.)

1. In the process of manufacturing artificial silk, the treatment of the spinning apparatus prior to spinning consisting in freeing the surfaces of such parts of the apparatus, which come into contact with the precipitating liquid from accumulated air.

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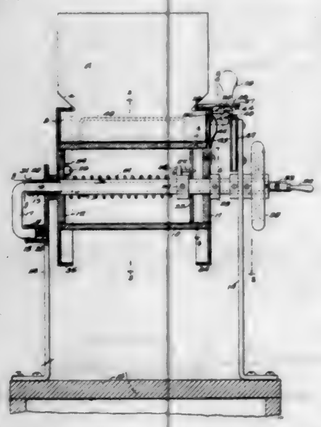
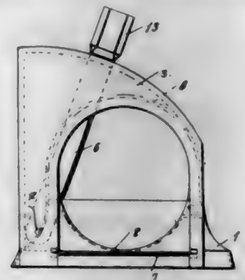
1,558,376. CARD-INDEX FILE. LEON RAY LEWIS and JULIUS JOAB COLVIN, Hudson Falls, N. Y. Filed Jan. 30, 1924. Serial No. 689,494. 7 Claims. (Cl. 129—16.)



1. A card index file including a drum having heads, one of said heads turnable relatively to the drum body, a card engaging means on the drum body, and a movable card-retaining portion on said turnable head and movable by the turning of said turnable head.



1,558,377. LONG-HORN-CHEESE CUTTER. WILLIAM C. LIVINGSTON, Newton, Kans. Filed May 1, 1924. Serial No. 710,371. 1 Claim. (Cl. 31—20.)



A slicing machine end structure U-shaped in cross section having walls integral with each other and spaced apart longitudinally of the machine, said end having a discharge opening for the material through said walls, said opening being nearer distal sides of said walls than the proximal side thereof, a knife guided by and operable intermediate said walls, said knife being pivoted to the walls adjacent the lower corner of the proximal side thereof, said knife being movable to a position completely exposing said opening to accommodate a closure in the latter, and a cover-supporting flange integral with the innermost wall extending around said opening and laterally from said innermost wall to reinforce the structure.

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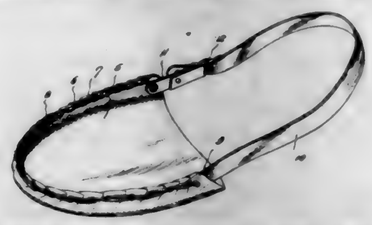
1,558,378. SHOE ATTACHMENT. GEORGE C. MCAULEY, Detroit, Mich. Filed July 10, 1923, Serial No. 650,625. Renewed Sept. 10, 1925. 1 Claim. (Cl. 36—72.)



A shoe attachment comprising a strip of material adapted to be applied to the sole of a shoe, and when applied having its rear edge spaced from the heel of the shoe, the said strip being provided with a marginal portion adapted to be folded up around the edge of the sole of the shoe, said marginal portion being provided with slits forming tongues, which may overlap each other, each tongue having an opening, a securing strap attached to the marginal portion of the strip and at the rear edge of the strip and at the openings in the terminal tongues and adapted to extend around the back of the shoe upper and lacing passing through the openings of all of the tongues of the marginal portion of the strip and serving as means for drawing the tongues in overlapped close proximity with the upper of the shoe and the strap in close proximity with the rear portion of the upper of the shoe.

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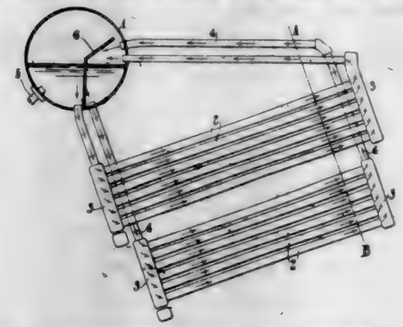
1,558,379. WATER-TUBE BOILER OR THE LIKE. ROBERT MCGREGOR, Ilford, England, assignor, by direct and mesne assignments, of one-third to The Stirling Boiler Company, Limited, London, England, and two thirds to Babcock & Wilcox Limited, London, England. Filed Mar. 14, 1922. Serial No. 543,751. 4 Claims. (Cl. 122—290.)

1. In a steam boiler, an upper steam and water drum, an upper and a lower bank of horisontally inclined water tubes, upper uptake and downtake water chambers connected to the ends of the tubes of the upper bank and to said drum, lower uptake and downtake water chambers connected to the ends of the tubes of the lower bank and located between the planes of the inner faces of the



upper water chambers and connections between the lower water chambers and the drum, comprising tubes having imperforate walls and extending upwardly from the tops of said lower water chambers and between tubes of said upper bank and between the inner faces of said upper water chambers.

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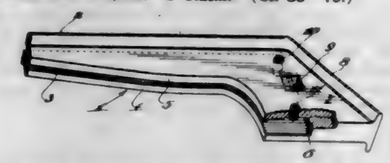
1,558,380. SQUARE ATTACHMENT FOR SAWS. HARRY E. MACKINGA, Los Angeles, Calif. Filed Apr. 24, 1924. Serial No. 708,660. 1 Claim. (Cl. 33—75.)



A square attachment for saws consisting of an integral body having a straight edge and a slot with a shoulder adapted to engage the back of a saw, the body having a second straight edge forming an angle with the shoulder.

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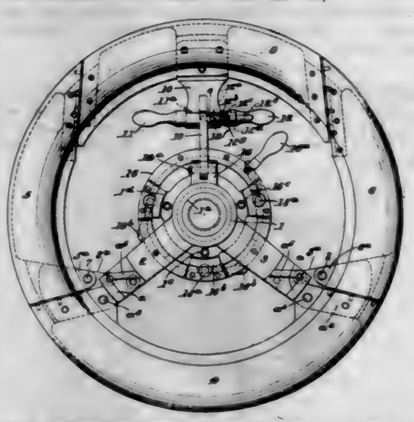
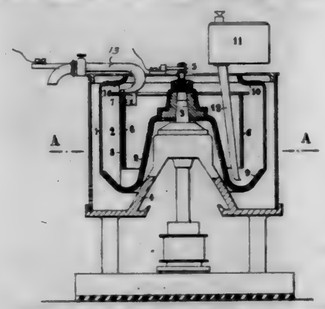
1,558,381. CORE. HARVEY F. MARANVILLE, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 9, 1923. Serial No. 624,033. 12 Claims. (Cl. 154—9.)



1. A collapsible mandrel for use in manufacturing pneumatic tires, comprising a hub member, a core segment rigidly carried thereby, a core segment hinged to

each end of said first named segment, a key segment cooperating with the free ends of said hinged segments, a lug projecting inwardly from said key segment and having a bifurcation, and a strut pivotally connected to said hub member and having its other end detachably engaging said bifurcation.

1,558,382. ELECTROCENTRIFUGAL SEPARATOR. ALFRED MARX, Paris, France. Filed July 13, 1923. Serial No. 651,376. 2 Claims. (Cl. 233—1.)

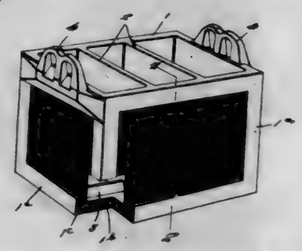


1. A process for the separation of suspensions or emulsions, characterized essentially by the fact that the product to be treated is subjected simultaneously to the action of an electric field and of centrifugal force, whereby to obtain rapid and complete separation of the particles which are in suspension in the fluid to be treated.

1,558,383. MACHINE FOR FOLDING AND ATTACHING RIBBONS TO THE EDGES OF FLOOR COVERINGS. WALTER M. MATHES, Chester, Pa., assignor to Congoleum Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 28, 1923. Serial No. 659,851. 8 Claims. (Cl. 154—1.)

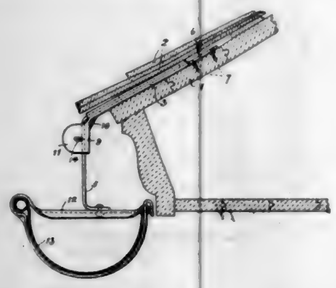
1. The combination with strip feeding mechanism, of a laterally expansible structure having guides for the side edges of a strip actuated by said feeding mechanism, and mechanism mounted on and movable with said structure for applying a reinforcing ribbon to the edge of said strip.

1,558,384. BATTERY BOX. JOHN B. MATTSON, Boston, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Feb. 29, 1924. Serial No. 695,940. 5 Claims. (Cl. 206—2.)



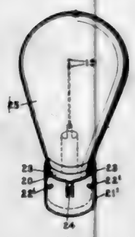
1. A rubber battery box having a body of hard rubber and having its bottom and lower portion only of its vertical walls provided with an exterior layer of relatively soft rubber homogeneously united therewith.

1,558,385. GUTTER MOUNT. CHARLES MEUNIER, Great Neck, N. Y. Filed Feb. 20, 1925. Serial No. 10,648. 2 Claims. (Cl. 108—29.)



1. A gutter mount, comprising a flattened guide member constituting a support and comprising upper and lower plates coupled at their edges, and a flat hanger strap, said member adapted to be secured under a roof covering, and said strap having its upper portion bent at an angle to the main vertical portion thereof and telescoping within said member, and means removably securing the strap in said member.

1,558,386. MOUNTING FOR INCANDESCENT LAMPS OF RAILWAY LIGHT SIGNALS. EDMUND W. MOORE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Sept. 30, 1921. Serial No. 504,456. 16 Claims. (Cl. 176—32.)

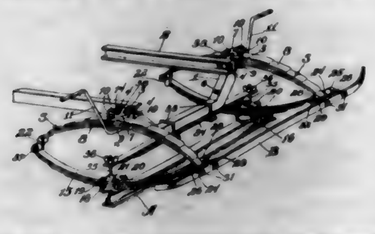


1. In a light signal, the combination with an optical unit, a lamp socket of the bayonnet type having the usual spring pressed contact plunger and three hook-shaped slots, said socket being fixed in the position where its axis and the plane of its slots have a predetermined space relation to the focal point of said optical unit, an incandescent lamp having a base with three radial pins to fit in said socket, said lamp having a concentrated filament which is located in the same said predetermined relation to the axis of its base and the plane of its pins, whereby the filament of said lamp will come at the focal point of the optical unit without adjustment whenever the lamp is inserted in the socket, the spring pressed plunger of the socket co-acting with said pins and slots to constitute a three-point support which positions the lamp with the axis of its base in a definite angular relation to the axis of the socket irrespective of mechanical clearance between the base and the socket.

1,558,387. VEHICLE SPRING GEAR. LOUIS A. MORINES and JAMES T. HANCHARIK, Wilkes-Barre, Pa. Filed Nov. 13, 1924. Serial No. 749,700. 2 Claims. (Cl. 267—36.)

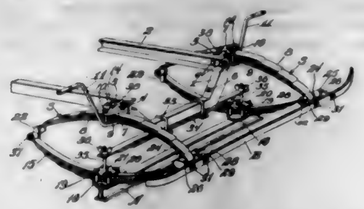
1. In combination with a vehicle frame and an axle, said frame including a cross member, elliptical springs interposed between the frame and axle, means for securing the upper members of the springs to the frame, means for securing the lower members of the springs to the axle, the last named means for each of the lower members comprising a plate, an upstanding member carried





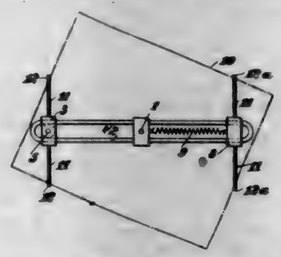
by said plate, a spring underlying the cross member, means for securing the central portion of said last named spring to the cross member, and means for connecting the plate with an extremity of the last named spring.

1,558,388. VEHICLE SPRING GEAR. LOUIS A. MORINES and JAMES T. HANCHARIK, Wilkes-Barre, Pa. Original application filed Nov. 13, 1924, Serial No. 749,700. Divided and this application filed Apr. 4, 1925. Serial No. 20,722. 4 Claims. (Cl. 293—55.)



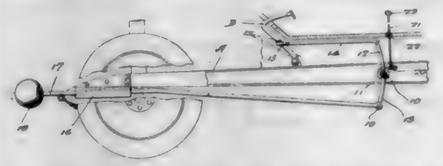
1. In combination with a vehicle body and an axle, elliptical springs interposed therebetween, means for securing the springs to the frame and axle, said springs being disposed in a direction lengthwise of the frame, and a brace member connecting the forward ends of the springs.

1,558,389. WHIRLING DEVICE FOR PLATES WITH LIGHT-SENSITIVE LAYERS. LOUIS MUELLER, Berlin-Baumschulenweg, Germany, assignor to Adolf Hamm & Co., Dusseldorf, Germany. Filed Mar. 8, 1924. Serial No. 697,973. 7 Claims. (Cl. 34—26.)



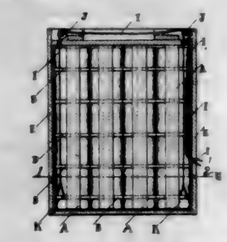
7. A whirling device for plates with light-sensitive layers for equally distributing and drying said layers having a vertical shaft, two guide arms fixed on opposite sides of said shaft and slidable blocks arranged on said guide arms, one of said slidable blocks being adjustable, a pair of holding arms for the plates fixed on each of said slidable blocks in such a manner that each pair of holding arms may grip the plate across one corner thereof.

1,558,390. VEHICLE BRAKE. ELVES W. NORMAN, Gary, Ind. Filed May 5, 1923. Serial No. 636,968. 2 Claims. (Cl. 180—83.)



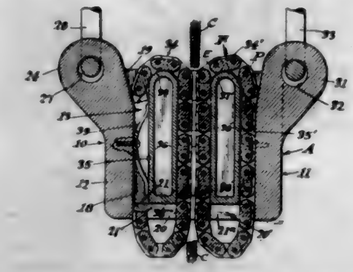
1. Means for automatically releasing the clutch and applying the brake of a motor vehicle upon the occurrence of a collision, comprising a pair of elongated guide members secured upon the side bars of the chassis of a motor vehicle, rearwardly extending plunger rods slidable through said guides, a bumper carried by the forward ends of said plunger rods, a shaft journaled transversely of the vehicle chassis rearwardly of the brake and clutch pedals, downwardly extending arms on said rock shaft pivotally connected with the rear ends of said plunger rods, upwardly extending arms on said rock shaft, and forwardly extending rods pivotally connected with said last named arms and having their forward ends abuttingly engaging the clutch and brake pedals.

1,558,391. SUN SCREEN. TOMOSUKE OHARA, Tokyo, Japan. Filed Apr. 28, 1925. Serial No. 26,477. 4 Claims. (Cl. 156—17.)



1. A sun screen comprising a series of horizontal bars having angular strips or bends attached to their outer surfaces and arranged in zig-zag order, and provided with strips of cloth connecting said angular strips in vertical series and other strips of fabric connecting the bars or slats in vertical series, the strips of each series being spaced apart and the spaces between the strips of one series alternating with the spaces of the other series.

1,558,392. WIRE-ROPE DRILLING CLAMP. ROBERT L. PORTER, Los Angeles, Calif. Filed Nov. 20, 1924. Serial No. 751,134. 8 Claims. (Cl. 24—135.)



1. A cable clamp comprising a pair of pivotally connected clamping members, said clamping members having jaw portions, each of said jaw portions having an open-

ing, an endless link chain mounted on a member movable within each opening, expansion springs within each opening engaging each member, and means for opening and closing said jaws.

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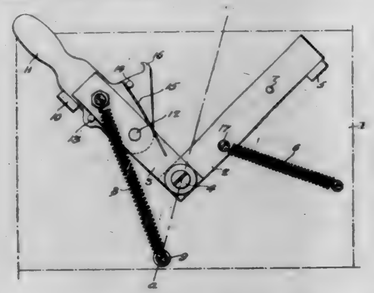
1,558,393. MECHANICAL MOVEMENT. WILLIAM T. PRINGLE, Philadelphia, Pa., assignor to V. V. Fittings Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 3, 1919. Serial No. 308,432. 7 Claims. (Cl. 74—14.)



1. A mechanical movement consisting of two concentrically pivoted members of which one is provided with a projection; a spring operative on said latter member; means for actuating said latter member, said means being pivotally mounted on the second member and having a portion formed to detachably engage the projection of the first member; with a spring tending to maintain said means in a position wherein said portion is disengaged from said projection.

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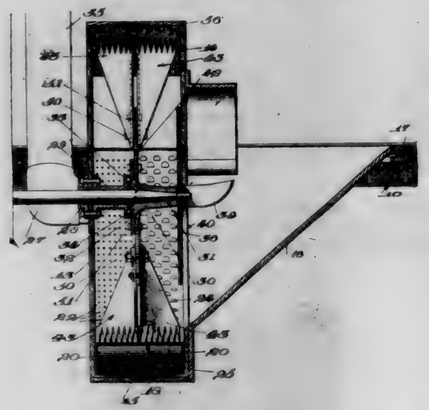
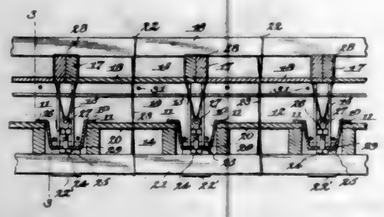
1,558,394. APPARATUS FOR GRINDING FODDER, STRAW, OR SIMILAR ROUGH FOOD FOR STOCK. JASPER N. RICE, St. Joseph, Mo. Filed Jan. 5, 1925. Serial No. 612. 7 Claims. (Cl. 146—115.)



1. A grinding apparatus comprising a drum, a rotary element within the drum, radially extending blower blades carried by said rotary member, a perforated false bottom within the drum, and projections struck upwardly from the false bottom adapted to cooperate with the teeth of said blades for grinding and pulverizing material deposited within said drum, and said blades also developing air pressure to force the ground material through the perforated false bottom of the drum.

1,558,395. CONCRETE BUILDING FORM. HENRY C. RIESBOL, New York, N. Y. Filed Nov. 17, 1924. Serial No. 750,410. 5 Claims. (Cl. 25—131.5.)



1. A building form including a plurality of spaced channel members, inner wall forming sections between said channel members, and means on said channel members for removably supporting a horizontal beam for holding said channel members in alignment.

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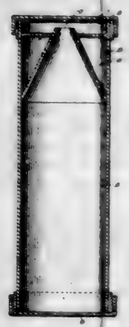
1,558,396. GRASS-SEED CONTAINER. RUDOLPH LIENAU ROEHRS, Rutherford, N. J. Filed Nov. 8, 1923. Serial No. 673,622. 1 Claim. (Cl. 221—61.)



A container for grass seed and the like comprising a tubular member, a perforated end wall constituting a discharge for said tubular member, a tapered hollow member mounted within said tubular member and constituting means for delivering the contents of the tubular member to the perforated discharge member, the open end of said tapered hollow member being spaced from the perforated discharge member, and a guard plate spaced from the perforated discharge member and surrounding the tapered hollow member, and through which the small end of the tapered hollow member projects.

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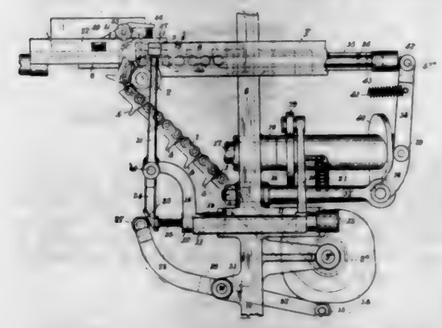
1,558,397. MACHINE FOR WRAPPING SWEETMEATS AND OTHER ARTICLES. WILLIAM ROSE, Gainsborough, England. Filed June 13, 1923. Serial No. 645,220. 3 Claims. (Cl. 198—24.)

1. In a feeding apparatus, a conveyor adapted to advance articles along a channel, in combination with



a pusher adapted to oscillate about axes substantially at right angles to each other, and to follow the motion



of the conveyor during the active movement of the pusher, substantially as described.

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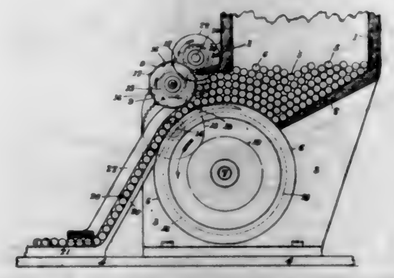
1,558,398. APPARATUS FOR FEEDING CIGARETTES. WILLIAM ROSE, Gainsborough, England. Filed June 5, 1924. Serial No. 718,184. 3 Claims. (Cl. 226—5.)



1. In apparatus for feeding cigarettes or like articles a hopper and feed means associated with said hopper, in combination with a platform supported in proximity to the feeding means in such manner that a portion of the upper face of the platform is slightly raised relatively to and above the portion of the said feed means which is near the platform so as to render it impossible for those cigarettes which are supported by said platform to come into actual contact with, and to be impelled in a forward direction by, the feed means, and a rotatable clearance roller having its axis parallel to the axis of said feed means leaving a gap, slightly larger than the diameter of one of the cigarettes, between its surface and said portion of the upper face of the platform; all substantially as, and for the purpose, hereinbefore described.

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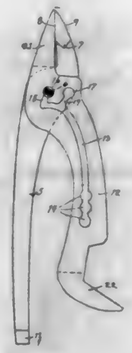
1,558,399. COMBINED PLIERS AND WRENCH. JOSEPH N. RYLEN, Turlock, Calif. Filed Aug. 9, 1924. Serial No. 731,088. 2 Claims. (Cl. 81—83.)

1. In a tool of the character described, a pair of handles, one of said handles having a pivot secured therein, the other of said handles having an elongated slot extending through the substantially entire length thereof, there being enlarged areas communicating with said slot, a nose formed upon one end of said first-mentioned handle and having serrated surfaces on both faces thereof, a nose formed upon one end of said slotted handle and having a serrated face adapted to contact one of the serrated faces first mentioned, a head formed on the opposite end of said slotted handle and having



a serrated surface adapted to be brought into engagement with the other serrated face on said first-mentioned nose, for the purpose specified.

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1,558,400. FURNACE CASING. LEONARD F. SARGENT, Wausau, Wis. Filed June 9, 1925. Serial No. 35,977. 6 Claims. (Cl. 126—114.)

1. A furnace casing comprising, in combination, a plurality of vertically disposed panels and a joint member associated with adjacent panels, said joint member being substantially H-shaped in cross section and having its intermediate portion interposed between the panels and its flanges overlying the adjacent marginal portions of the panels.

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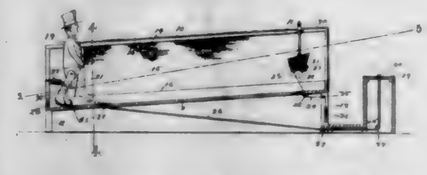
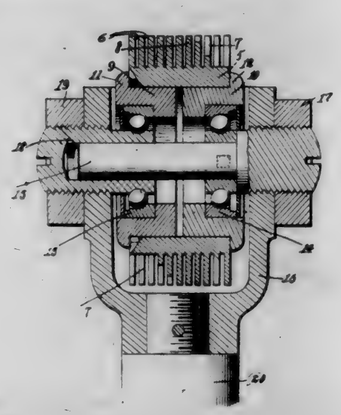
1,558,401. AMUSEMENT APPARATUS. RYUJI SATO, Nyack, N. Y. Filed July 28, 1923. Serial No. 654,455. 4 Claims. (Cl. 273—108.)



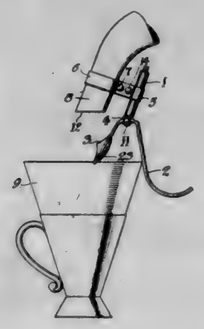
1. An amusement apparatus including an inclined table, a plurality of cages mounted above said table, baskets supported at one end of said cages, a manikin mounted at the other end of said cages, a ball normally positioned adjacent each of the manikins, and individual operating mechanisms for actuating said manikins to cause the same to kick the balls in the direction of said baskets.

1,558,402. WHEEL-TRUING DEVICE. WILLIAM A. SEAMAN, Midland, Mich. Filed July 6, 1922. Serial No. 573,129. 1 Claim. (Cl. 125—37.)



A dressing and truing device comprising a shell housing, a truing wheel provided with an axial bore arranged in the housing, a sectional barrel fitted in the bore provided with end flanges engaging the outer sides of the truing wheel, a fixed axle in the shell housing, means securing one end of the axle to the shell, a removable support for the other end of the axle, and bearing races supporting the sectional barrel with antifriction means engaging the axle and the removable support respectively.

1,558,403. CLOSURE FOR SIRUP PUMPS. ANTHONY SHACIKOSKI, Homer City, Pa. Filed Mar. 31, 1925. Serial No. 19,696. 2 Claims. (Cl. 137—111.)



2. A closure for dispensing faucets or pumps, comprising in combination with the outlet thereof, a clamp thereon, a rod carried by said clamp having a lateral pivot member, a member pivoted to said lateral pivot member, said pivoted member having a plug on one end thereof adapted to close said outlet, and having at its other end a depending arm whereby said closure may be moved to open position by contact of a glass or similar receptacle against said arm.

1,558,404. ROLLER SKATE. FRANK SLOGR, Omaha, Nebr. Filed Apr. 10, 1924, Serial No. 705,543. Renewed May 20, 1925. 6 Claims. (Cl. 208—178.)

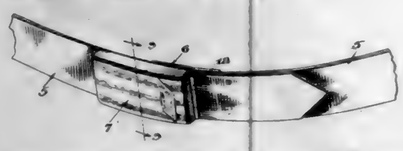
1. In a roller skate, extensibly connected sole and heel plates, bracket arms, depending from the plates, each arm being struck from sheet metal and bent to provide a circular bearing at its lower end with an annular groove in the bearing and a shaft carrying a roller and having an annular flange at each end received in the bearing groove.

1,558,405. DEODORANT COMPOSITION. ARTHUR G. SMITH, Oak Park, Ill. Filed Mar. 6, 1924. Serial No. 697,389. 5 Claims. (Cl. 167—9.)

1. A deodorant composition in powdered form comprising sodium bicarbonate, zinc stearate and an inorganic emollient filler.

3. A deodorant composition in powdered form comprising a major quantity of sodium bicarbonate, and minor quanties of anhydrous calcium sulfate and zinc stearate.

1,558,406. IDENTIFICATION DEVICE. FRED W. SNYDER, Chicago, Ill. Filed Dec. 29, 1924. Serial No. 758,692. 2 Claims. (Cl. 40—10.)



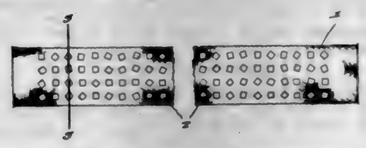
1. In a belt buckle of the type described, the combination of an outer compartment comprising a face and side and end members, a rear member adapted to fit within said outer compartment and pivotally connected therewith, prongs secured to the inner face of said rear member and adapted to receive a card therein, ears integral with said rear member and extending rearwardly at substantially right angles to said rear member, means provided in said ears to receive a belt retaining member and a lip integral with the end of said outer compartment opposite to the pivotal means and adapted to engage the rear portion to retain it in locked position.

1,558,407. VANITY CASE. RAE SOMMER, Chicago, Ill. Filed Nov. 24, 1924. Serial No. 752,028. 16 Claims. (Cl. 132—83.)

1. A vanity case, comprising a closed body portion having a filling opening; a pair of relatively fixed parallel perforated plates adapted to close said opening; a member rotatably mounted between said fixed plates, and having perforations therein normally registering with the perforations in one of said plates, and adapted to register with the perforations in the other plate only when the member is rotated; and means for returning said member to normal position.

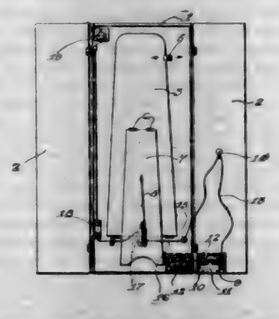


1,558,408. LINING. ARTHUR G. SOELIS, Grand Forks, N. Dak. Filed May 11, 1923. Serial No. 638,320. 1 Claim. (Cl. 188—259.)



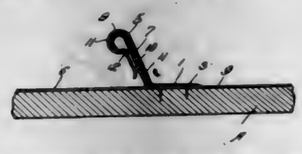
A lining of the class described having woolen inserts therein which pass entirely through the lining and having their ends flush with the surfaces of the lining, said inserts having enlarged heads which are arranged at one face of the lining.

1,558,409. CABINET. HULDREICH M. STIENECKER, Climax, Mich. Filed Apr. 18, 1922. Serial No. 554,449. 2 Claims. (Cl. 68—10.)



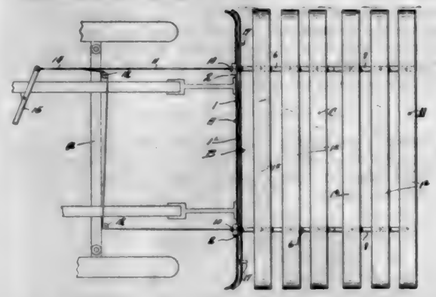
1. A cabinet comprising a casing, an ironing board swingingly mounted within the casing, an electric iron, and a circuit for the electric iron automatically closed when the ironing board is arranged in operative position.

1,558,410. SHEET-METAL ROOFING. WILLIAM STRONG, near Springfield, Ohio. Filed Apr. 10, 1924. Serial No. 705,577. 1 Claim. Cl. 108—20.)



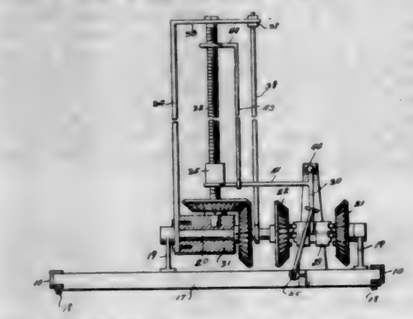
In an interlocking joint, contiguous sheet metal sections of roofing, a securing plate having one end thereof bent upwardly at an oblique angle to provide a flange, the upper end thereof being curved and terminating in a lip, an obliquely disposed flange formed on the edge of one of said sheet metal sections and adapted to be disposed against one side of the aforementioned flange, the upper edge of the last mentioned flange being curved and adapted to be received in the curved portion on the flange of the securing plate, the other section being adapted to overlie the securing plate, a flange formed thereon and adapted to extend along the opposite side of the flange of the securing plate, the upper portion of the flange on the second section being curved and disposed over the curved portion of the aforementioned flanges, the curved portion of the last mentioned flange terminating in a depending strip which is adapted to be crimped into engagement with the lip formed on the free edge of the curved portion of the flange formed on the securing plate, said depending portion adapted to be disposed substantially parallel to and spaced from the aforementioned flanges and having an offset extension at its terminal.

1,558,411. BUMPER. HOMER G. STUMP, Cadillac, Mich. Filed June 30, 1925. Serial No. 40,579. 3 Claims. (Cl. 293—45.)



2. A combination bumper and fender for a vehicle comprising a unit adapted to be supported by the vehicle and disposed in a vertical direction, a second unit slidably connected with the first named unit for movement in a vertical direction, a plurality of hingedly connected units adapted to fold one upon the other, one of said last named units being hingedly connected to the second unit, and means for holding said hingedly connected units in folded relation and to maintain the second unit in its uppermost position, said means also operating to impart the requisite folding movement to the hingedly connected units and upward movement to the second unit.

1,558,412. POWER-OPERATED DUMPING TRUCK. EMAN SYSEL, Dorchester, Nebr. Filed May 5, 1923. Serial No. 636,850. 1 Claim. (Cl. 298—21.)



In a dumping truck, a chassis, a body pivoted thereon, a horizontal shaft journaled upon the chassis in transverse relation thereto, a frame pivoted on said shaft and extending in a normally upright position, a support journally mounted on the shaft within the frame, a feed screw journaled in the frame and in said support and carrying a bevel gear, a bevel gear on said shaft meshing with said first named bevel gear, clutch operated transmission gearing on said shaft for rotating the same in a selected direction, the clutch mechanism including a slidable member splined upon the shaft, and a pivoted fork engaging the same, a nut member carried by the truck body and operatively engaged upon said feed screw, an arm on said forked lever adapted to be engaged by said nut at one limit of the movement thereof, and a stop disposed about the upper end of the feed screw and connected with said lever and adapted to be engaged by the nut at the upper limit of its movement.

**1,558,413. PROCESS OF MAKING DRY BATTERIES.** BORIS H. TRITSELBAUM, Brooklyn, N. Y., assignor to Bright Star Battery Co., New York, N. Y., a Corporation of New York. Filed May 26, 1921. Serial No. 472,867. 4 Claims. (Cl. 136—158.)

1. The process of producing a dry battery paste involving the use of sal ammoniac, which comprises dissolving sal ammoniac in zinc chloride solution of a definite density and at a definite temperature, then permitting the endothermic properties of the sal ammoniac to reduce the temperature of the mixture to a definite temperature, and then adding a cereal mixture, whereby the resultant mixture will gelatinize in a definite time without the necessity of cooking it.

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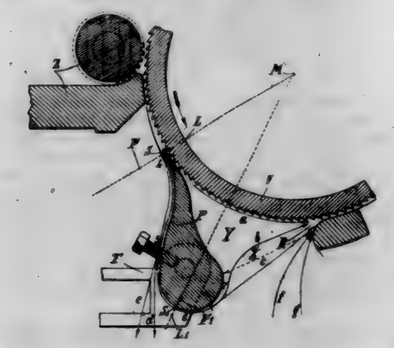
**1,558,414. TEXTILE MACHINERY FOR FIBER PREPARATION.** MEINRAD THOMA, Zurich, Switzerland. Filed May 21, 1924. Serial No. 714,895. 5 Claims. (Cl. 19—105.)



2. In textile machinery, a device for removing impurities, comprising a licker-in, and a plate to deviate the air and to act as a knife cooperating with the licker-in, the profile of the plate increasing in thickness from a knife edge at one end to a well rounded portion at the other end, and the length of the profile from the knife edge to the rounded end corresponding approximately to the radius of the licker-in, so that it projects into a calm zone, the front part of the plate being approximately tangential to the circumference of the licker-in to gently deviate the air along natural stream lines and avoid any whirls of air.

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**1,558,415. ELECTRIC SWITCH.** GEORGE B. THOMAS, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed May 19, 1922. Serial No. 562,223. 11 Claims. (Cl. 200—66.)

1. An electric switch comprising a reversely and freely rotatable switch spindle, a switch member mounted thereon, a group of stationary stops, a pair of independent latch slides arranged side by side and adapted to embrace between them any one of said stops, said slides being rotatable with the switch member, one of said latch slides controlling the rotation of the switch member in one direction, and the other controlling the rotation of the switch member in the opposite direction, a spring for rotating the switch member in either direction, and means operated by the switch spindle for tensioning the switch spring and for shifting the detaining latch slide rectilinearly out of engagement with its associated stop on rotation of the spindle in either direction.

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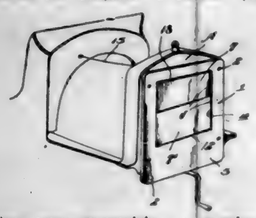
**1,558,416. ATTACHMENT FOR RADIATORS.** WILLIAM C. TOELLNER, Bunceton, Mo. Filed June 18, 1921. Serial No. 478,698. 1 Claim. (Cl. 257—132.)



A radiator cover comprising a member adapted to be secured to the front face of the radiator, said member having an opening therein, a projection at the lower edge of the opening and guideways at the sides thereof, the guideways being arranged in upper and lower pairs, the lower pair being of greater width than the upper pair, a pair of shutters engaging the guideways, both shutters engaging the lower guideways when in open or in partly open position with the upper shutter engaging the upper guideways when the shutters are in closed position, a projection at the lower edge of the lower shutter for engaging the projection at the lower edge of the opening for limiting the upward movement of the lower shutter, hooks formed on the upper edge of the lower shutter and on the lower edge of the upper shutter for causing movement of the upper shutter to be transmitted to the lower shutter when the hooks engage each other, an outwardly extending part at the upper edge of the upper shutter for engaging the upper wall of the opening when the shutter is in raised position and means connected with the upper shutter for moving the same.

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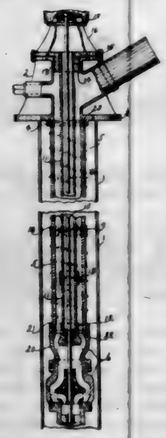
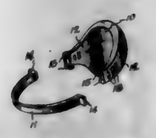
**1,558,417. PUMP.** PERCY E. VAUGHAN, San Jose, Calif. Filed May 2, 1922. Serial No. 557,874. 9 Claims. (Cl. 103—102.)



1. A pump including a discharge casing column, a bowl supporting said column, and supporting means for said bowl arranged within said column.



**1,558,418. ADJUSTABLE FINGER RING.** FRANS BERTIL WENDEL, Cranford, N. J., assignor to Hercules Novelty Mfg. Co. Inc., a Corporation of New Jersey. Filed Apr. 22, 1925. Serial No. 25,061. 2 Claims. (Cl. 63—16.)



2. An adjustable finger ring comprising two cooperative arcuately curved sections, the end portions of one of said sections having longitudinally spaced series of keeper openings extending in said end portions from their inner faces toward the outer faces thereof, the second section having the extremities thereof turned outward in opposite directions to produce locking terminals adapted to enter and engage with keeper openings of the first section to lock said sections together in adjusted position, said second section being made of material possessing inherent resiliency and the ends thereof being sprung toward each other when the locking terminals of the second section are engaged with keeper openings in the first section so that the spring action of the second section continuously urges the ends of the second section outward against the inner faces of the first section and tends to prevent retraction of the locking terminals of the second section from said keeper openings of the first section, the end portions of said first section having pairs of lugs at their extremities extending inwardly beyond the inner faces of said end portions of the first section for embracing the end portions of the second section to co-operate with the locking terminals of the second section and with walls of keeper openings of the first section to prevent relative swinging movement of the two sections of the ring.

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**1,558,419. PROCESS AND APPARATUS FOR THE FORMATION OF METAL STAMPINGS.** FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed May 28, 1923. Serial No. 641,977. 7 Claims. (Cl. 78—81.)

1. The method of producing articles by a multi-stage process consisting in introducing within the openings of a dial plate initial stage blanks, forcing the metal of the initial blank against the side walls of the opening to anchor the blank within said openings to thus support the same for further operation, and indexing the dial plate forwardly in a step by step manner to bring the initial blank between suitable forming dies and punches for the formation of the article to the desired configuration and shape.

**1,558,420. ROPE STRUCTURE.** HERBERT VERNET WHITLOCK, Elizabeth, N. J. Filed Dec. 30, 1924. Serial No. 758,805. 13 Claims. (Cl. 117—52.)

1. In rope structure, a strand comprising a core of fibers and a continuous covering of yarns, the said fibers lying substantially in helices about the axis of the said strand.

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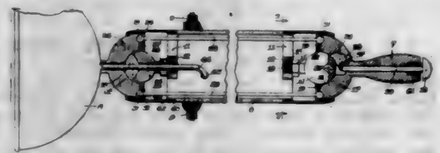
**1,558,421. SPOTLAMP.** CAMERON A. WHITBETT, Chicago, Ill., assignor to Fyrac Manufacturing Company, Rockford, Ill., a Corporation of Illinois. Original application filed Aug. 15, 1921, Serial No. 492,275. Divided and this application filed Sept. 13, 1924. Serial No. 737,483. 11 Claims. (Cl. 240—61.)



1. In a windshield spotlight in combination, a generally tubular housing extending substantially horizontally, a ball and socket joint at one end of said housing, a lamp supported by said ball and socket joint, an operating handle at the other end of said housing, and means having a translational motion for transmitting the adjusting motion of said handle to said lamp.

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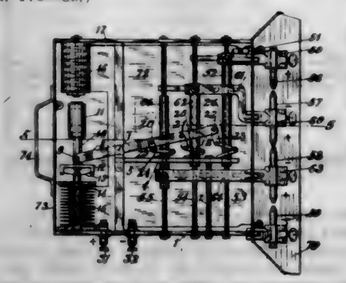
**1,558,422. ELECTRIC-ARC LAMP.** MAURICE J. WOHL, New York, N. Y., assignor to M. J. Wohl & Co., Inc., Long Island City, N. Y., a Corporation of New York. Filed Oct. 7, 1920. Serial No. 415,295. 9 Claims. (Cl. 176—59.)



1. In an arc lamp a plurality of electrodes arranged in a single vertical line, a fixed electrode forming one end of said line, means mounting said plurality of electrodes to move toward and away from said fixed elec-

trode to form a plurality of arcs, a clutch for each movable electrode to operate the same and common means joining all clutches to move them and the electrodes simultaneously through distances forming multiples of the movement of the clutch for the electrode nearest the fixed electrode to form arcs of equal length between the electrodes.

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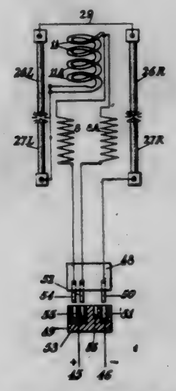
1,558,423. REGULATION FOR ARC LAMPS. MAURICE J. WOHL, Long Island City, and MAX MAYER, New York, N. Y., assignors to M. J. Wohl & Co., Inc., Long Island City, N. Y., a Corporation of New York. Filed July 25, 1921. Serial No. 487,270. 4 Claims. (Cl. 176—41.)



1. In an arc lamp a pair of arc forming electrodes, means for forming and regulating an arc of one of two different lengths and current values between said electrodes consisting of a solenoid having two magnetising windings, a resistance in series with each winding and switching means to pass current through one of said windings forming means to hold said arc at a relatively short length and low current value or alternatively to pass current through both windings in parallel to hold said arc at a substantially increased length and larger current value.

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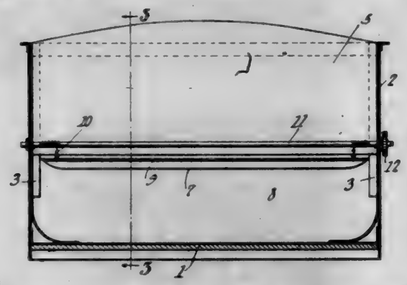
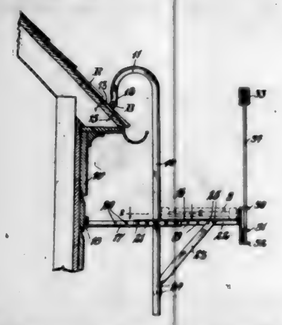
1,558,424. DUMP BODY. JOHN FOSTER WRIGHT, Jersey City, N. J. Filed Dec. 26, 1923. Serial No. 682,725. 5 Claims. (Cl. 298—17.)



1. The combination with a dump body having spaced angle bars arranged in pairs upon the inner faces of the sides thereof, of partition plates extending transversely of the body and secured to the angle bars, said bars extending between the plates, a closure slidably mounted at its sides between the angle bars and spaced from and adapted to be housed between the partition plates, and means for shifting the closure.

1,558,425. STAGING BRACKET. OTTO YETTER, Boston, Mass. Filed Apr. 3, 1924. Serial No. 704,056. 1 Claim. (Cl. 304—15.)



A staging bracket for supporting a staging adjacent the edge of a roof comprising a vertical member, a goose neck formed at its upper end, an angularly adjustable attaching foot carried by the free terminal of the goose neck having perforations therein through which attaching means are adapted to be passed for anchoring the same to the roof for suspending the vertical member over the edge of the roof, a horizontal member secured to the vertical member and projecting outwardly away from the wall of the building, an angle brace extending downwardly from the outer end of the horizontal member to the lower end of the vertical member and connected respectively to the outer end of the horizontal member and the lower end of the vertical member and an arm adjustably carried by the horizontal member and projecting inwardly therefrom for engaging the wall of the building in such a manner as to dispose the vertical member in a downwardly diverging relation to the side wall of the building whereby the upper face of the portion of the horizontal member lying between the vertical member and the outer end of said horizontal member is adapted to receive thereon the staging.

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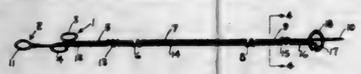
1,558,426. BAITING DEVICE FOR RODENTS. CHARLES J. BARNES, Redlands, Calif. Filed Apr. 13, 1925. Serial No. 22,830. 3 Claims. (Cl. 43—124.)



2. A baiting device for rodents comprising two members formed of wire, the wires being bent to connect the members in parallel positions so that the members will reciprocate and to form stops to limit the reciprocation, one member having a prong for carrying bait and the other member having means for holding the bait while the prong is withdrawn.

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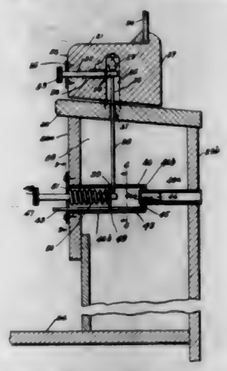
1,558,427. BURGLAR ALARM. ALBERT K. BODENHORN, Southgate, Calif. Filed Mar. 18, 1924. Serial No. 700,044. 7 Claims. (Cl. 116—88.)

3. A burglar alarm adapted to be associated with a wall and with a closure for an opening, said alarm comprising a tube extending through the wall, a cartridge retainable within said tube, a hammer within said tube, said hammer being adapted to strike said cartridge to fire the same, a coiled spring encircling said hammer, means associated with the closure for keeping said hammer in retracted position and said spring compressed when the closure is closed, said means being adapted to be actuated by the opening of the closure to release said hammer for impact against said cartridge, said hammer being urged against said cartridge by the expansion of



said spring, means for extracting said cartridge, and means positioned on the inner face of the wall for normally closing one end of said tube, said closing means being adapted to be readily detached to allow the



removal of said cartridge, and comprising a plate and means for fastening the plate, said fastening means engaging slots in the plate, the slots being arranged to be disengaged from said fastening means by a turning of said plate.

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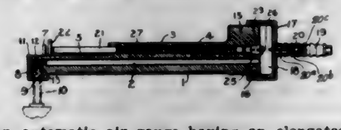
1,558,428. AUTOMATIC AIR GAUGE. CHARLES E. BRIDGES, Los Angeles, Calif. Filed Mar. 10, 1925. Serial No. 14,461. 7 Claims. (Cl. 50—8.)



1. An automatic air gauge having an elongated body with a piston passage therethrough part way, an upper face at the rear end of the piston passage, an air passage leading to a source of air supply, an air passage leading to a tire valve, a piston in the rear portion of the piston passage, a scale on the upper face of the body, means on the piston to register with the scale, a valve in the other end of said piston passage, a spring between the valve and the piston and a check valve in the air passage from the source of supply positioned to be acted upon by the valve in the piston passage.

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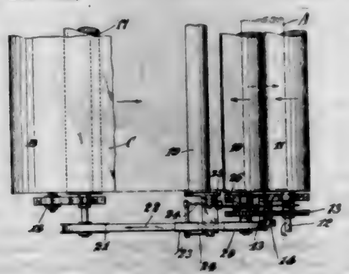
1,558,429. WINDING MACHINE. OTIS H. FOLSOM, Peoria, Ill., assignor to Samuel M. Langston Company, Camden, N. J., a Corporation of New Jersey. Filed Feb. 27, 1925. Serial No. 11,940. 5 Claims. (Cl. 242—66.)



1. A winding machine for sheet material including a winding drum for engaging the surface of the winding roll, means for positively driving said drum and rotating said winding roll, a tension drum for engaging the surface of the supply or unwinding roll, and power transmitting connections from one drum to the other, normally tending to drive the tension drum at lower surface speed than the rewinding drum, and including slip connections for permitting them to run at the same surface speed.

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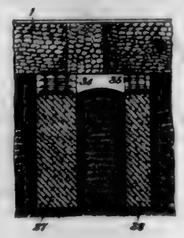
1,558,430. UNDERPINNING. JOHN B. GOLDSBOROUGH, Croton-on-Hudson, N. Y. Filed Oct. 31, 1918. Serial No. 260,514. 6 Claims. (Cl. 61—51.)



1. The method of underpinning a building which consists in excavating sections of the earth beneath and in alignment with the foundation of the building while leaving it supported temporarily by its natural arching action and constructing in some of the excavations supporting piers and in other excavations members associated with and supported by the piers for supporting the portions of the foundations spanning the space between the piers.

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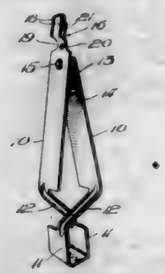
1,558,431. STORAGE-BATTERY CLIP. HERBERT EDWARD WALKER, Chicago, Ill. Filed July 31, 1922. Serial No. 578,552. 5 Claims. (Cl. 173—273.)



1. A clip comprising two opposed separate resilient jaw members disposed at an acute angle to each other, one of the jaw members being formed to provide an integral seat for the other jaw member to predetermine said angle and means for attaching the jaw members together.

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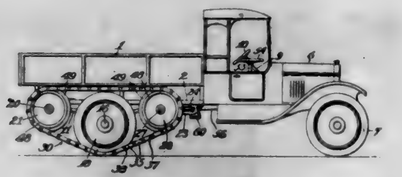
1,558,432. AUTOMATIC VEHICLE WHEEL TRACK. JOHN H. WILSON, Indianapolis, Ind. Filed Sept. 6, 1923. Serial No. 661,187. 12 Claims. (Cl. 305—3.)

10. In a vehicle-wheel track, the combination, with a vehicle comprising a frame and a carrying wheel supporting the frame, of a guide pulley rotatable on the frame rearward of the wheel, a guide fixed to the frame forward of the wheel and having a rack bar fixed there-

to, a guide shaft adjustably supported by the guide, a guide pulley rotatable on the guide shaft and being movable thereby away from the other guide pulley, a sectional track for the carrying wheel extending about the pulleys and having two end parts separably connected together, two coil springs each extending loosely through



said end parts and secured to sections of the track distant from the end parts, means to forcibly move the guide shaft away from the carrying wheel to the end of said guide, and a gear wheel fixed to the pulley on the guide shaft to be carried into engagement with the rack bar as the guide shaft nears the end of its guide.

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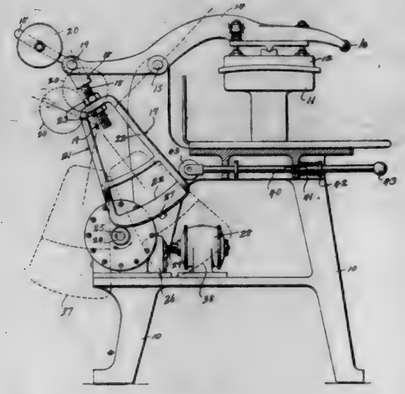
1,558,433. POWER PRESS. BASIL J. YANCHENKO, New York, N. Y., assignor, by mesne assignments, to Liberty National Bank, trustee, Syracuse, N. Y. Filed Feb. 6, 1925. Serial No. 7,239. 11 Claims. (Cl. 68—9.)



1. A power press comprising in combination, cooperating wide opening press jaws, a cam associated with the press jaws to produce compression thereinbetween, means associated with the cam urging it to an inoperative position, a motor driven roller continuously revolving and adapted to cooperate with the cam, means to permit the cam to pass by the roller without being acted on by said roller, and a manually actuated control handle operable by the operator to throw the cam into engagement with the roller.

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1,558,434. ATTACHABLE UPHOLSTERY FOR VEHICLE BODIES. PAUL E. BRENEMAN, Detroit, Mich., assignor to C. R. Wilson Body Company, Detroit, Mich., a Corporation of Michigan. Filed July 17, 1920, Serial No. 396,885. Renewed Jan. 6, 1923. 5 Claims. (Cl. 155—184.)

1. In a metallic vehicle body, the combination with a panel portion having a flange projecting from the border thereof, of an upholstery unit engageable with said panel beneath said flange, and a detachable retain-

ing strip secured to said flange and projecting therefrom to overlap said unit.

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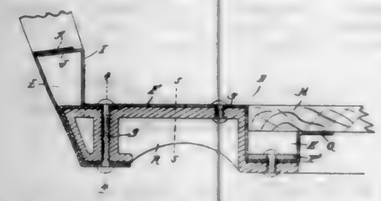
1,558,435. METAL BODY FOR VEHICLES. PAUL E. BRENEMAN, Detroit, Mich., assignor to C. R. Wilson Body Company, Detroit, Mich., a Corporation of Michigan. Filed July 17, 1920. Serial No. 396,886. 12 Claims. (Cl. 296—28.)



3. In a metallic vehicle body, the combination with the outer panel having an inturned flange at the threshold of the door opening, and a member forming a sill for resting upon the sill of the chassis frame having an outwardly-extending floor portion and upturned portion, and an out-turned flange for uniting with the inturned flange of said threshold.

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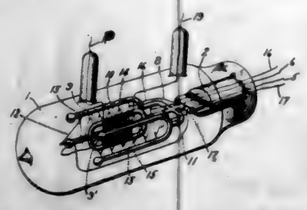
1,558,436. ELECTRICAL DISCHARGE APPARATUS AND PROCESS OF PREPARING AND USING THE SAME. IRVING LANGMUIR, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 16, 1913, Serial No. 795,610. Renewed Mar. 14, 1916. Serial No. 84,242. 32 Claims. (Cl. 250—27.)



1. A discharge tube having electrodes at least one of which is adapted to emit electrons, the gas content or residue of said tube and the relation of the parts of the tube being such that the tube is capable of being so operated in a range below saturation and materially above ionization voltages that the governing or limiting action



on the space current due to the electric field of said electrons is substantially unaffected by positive ionization and by secondary electron emission from the walls of the tube.

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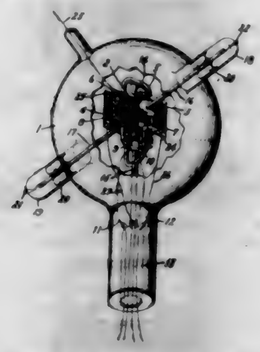
1,558,437. ELECTRICAL DISCHARGE APPARATUS. IRVING LANGMUIR, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 29, 1913, Serial No. 797,986. Renewed Feb. 29, 1924. 38 Claims. (Cl. 250—27.)



1. A discharge apparatus operating with an electron discharge comprising a highly evacuated envelope, an electron-emitting cathode, an anode, a conductor therein located near the cathode, means for maintaining said conductor at a substantially uniform positive potential with respect to said cathode, and separate means within said envelope for varying the electron discharge between said cathode and anode.

2. An electrical discharge apparatus, comprising an electron-emitting cathode, an anode, an envelope therefor, said electrodes and the space in said envelope being freed from gas to a degree permitting a substantially pure electron-discharge to take place therein without gas ionization, a conducting body in said envelope located near the cathode, and a source of potential having its positive terminal connected to said body and its negative terminal directly to the cathode.

15. Parallel supporting members, and a filamentary thermionic cathode insulatingly supported at a plurality of points thereby, a grid frame at each side of said cathode, and an arbor for supporting said members and said frames.

22. An evacuated vessel containing a filament electrode and a cold electrode, a second cold electrode located between the filament and the first cold electrode, and a third cold electrode located between the filament and second cold electrode.

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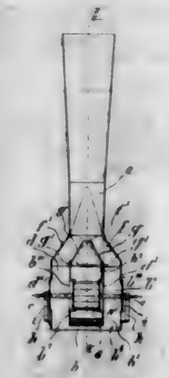
1,558,438. MEANS FOR PRODUCING MECHANICAL DRAFTS IN CHIMNEYS AND THE LIKE. GEORGE JULES ARMAND LOUIS PRAT, Paris, France. Filed Aug. 30, 1923. Serial No. 660,119½. 1 Claim. (Cl. 110—162.)

In a plant for the production of mechanical draft, the combination, of a chimney, having a lower portion of rectangular cross-section, a rectangular enclosure forming a chamber adjacent the rectangular portion of said chimney and communicating therewith, being connected thereto by flat inclined walls, a casing within said chamber the side walls of which are substantially parallel to corresponding walls of said chamber leaving a space therebetween, said casing having a rectangular nozzle opening into said chimney adjacent the juncture of said enclosure and chimney, a fan rotor mounted in said casing, said casing having openings for the passage of gases to said fan rotor, rectangular shutters hingedly carried at the mouth of the nozzle on opposite sides thereof, said shutters being of such size as to engage the walls of the enclosure in one position of said shutters



and means for moving said shutters to selectively close the said nozzle against passage of forced draft, or to close the space between the casing and enclosure against passage of natural draft or to partially close the nozzle to cause an induced draft.

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1,558,439. POISON DISTRIBUTOR. WILLIAM SCHILPLIN, Seattle, Wash. Filed May 3, 1923, Serial No. 636,362. Renewed Mar. 19, 1925. 2 Claims. (Cl. 43—147.)

1. In a poison distributor, the combination with a stand having a bail, a container for poison powder pivotally connected to said stand, said container having an outlet at the bottom thereof, an air pressure device connected to said stand, a discharge spout for said device, a partition element within said spout to provide two passages for air through the latter, a flexible delivery tube connecting the container with one of said passages, and adjustable means provided within the spout for regulating the effective sizes of said passages.

1,558,440. PREVENTING THE STICKING OF PLASTIC MATERIALS TO MOLDS. HARRY M. WEBBER, Montclair, N. J., assignor to Ellis-Foster Company, Montclair, N. J., a Corporation of New Jersey. Filed Mar. 22, 1924. Serial No. 701,231. 3 Claims. (Cl. 18—47.)

1. In molding plastic resinous substances having a tendency to stick to the mold the step which consists in dusting the mold prior to molding with a dusting powder comprising a metallic soap.

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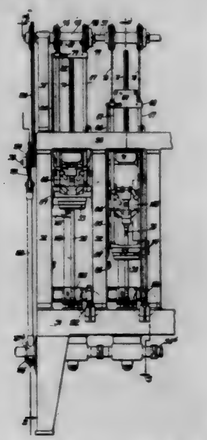
1,558,441. BOLT MACHINE. JAMES A. EDEN, Jr., Springfield, Mass., assignor to Walter H. Foster, New York, N. Y. Filed Oct. 30, 1923. Serial No. 671,652. 25 Claims. (Cl. 10—87.)



4. In a machine of the class described, in combination, cutter-head, upright guides therefor, a cross-head above the travel of the cutter-head, a threaded shaft extending above the cross-head and driven from its lower portion and a nut engaging said shaft and attached to the cutter-head and means for withdrawing said nut from engagement at the end of a feeding movement and for bringing it into engagement at the end of a retracting movement.

20. In a machine of the class described, in combination, a cutter-head adapted to traverse the body of a blank, a pointing cutter adapted to engage the end of the blank and a facing cutter adapted to face the head of the blank and means for simultaneously moving the pointing cutter and the facing cutter into and out of engagement with the work.

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1,558,442. FURFURAL PRODUCT AND PROCESS OF MAKING SAME. CARLETON ELLIS, Montclair, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed Sept. 2, 1924. Serial No. 735,518. 6 Claims. (Cl. 18—55.)

3. The process of making cast articles which comprises dissolving nitrocellulose in furfural and allowing the mixture in an acidulated condition to harden in suitable molds whereby castings are obtained.

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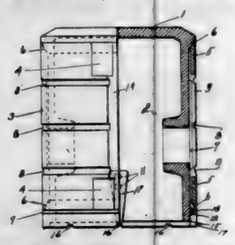
1,558,443. PISTON FOR INTERNAL-COMBUSTION ENGINES. HARRY F. JOSEPH, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa. Filed Dec. 15, 1921. Serial No. 522,648. 12 Claims. (Cl. 74—108.)

1. In a piston, the combination with a body having a head bevelled upon its lower edge, of a plurality of segmental plates bevelled at their upper ends to correspond to the bevel of the head, and with bevels formed at



the lower ends of the plates, and means for exerting pressure outwardly and upwardly against the plates.

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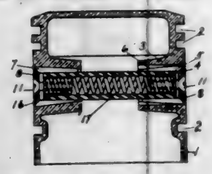
1,558,444. AUTOMATIC ADJUSTER FOR WRIST-PIN BEARINGS FOR AUTOMOBILE AND GAS ENGINES. HARRY F. JOSEPH, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa. Filed Dec. 8 1922. Serial No. 605,595. 7 Claims. (Cl. 74—108.)



1. In a bearing, a hollow shaft or pin, a tapered bushing adjustably mounted thereon and having its outer end internally beveled, a bearing member surrounding the tapered bushing, a cap mounted upon the beveled end of the bushing and means secured within the hollow shaft and connected with the cap for applying pressure upon the outer end of the bushing.

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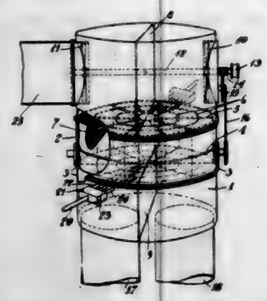
1,558,445. SOOT-BLOWING APPARATUS FOR REGENERATIVE HEATING DEVICES. FREDRIK LJUNGSTRÖM, Brevik, Lidingon, Sweden, assignor to Aktiebolaget Ljungstroms Ångturbin, Stockholm, Sweden, a Corporation. Original application filed Apr. 11, 1921, Serial No. 460,600. Divided and this application filed Nov. 2, 1922. Serial No. 598,657. 2 Claims. (Cl. 110—56.)



1. In a regenerative heating device in which the fluid to be heated and the fluid giving off heat pass alternately through the same passages of the regenerative material, the combination with a continuously rotating body containing the regenerative material, of a stationary pipe supplying the cleaning fluid and arranged close by the movable body, said pipe being provided with outlets directed against said body.



1,558,446. METHOD OF TREATING WOOD-TAR OIL. AUGUSTUS E. MAZE, East Orange, N. J., assignor to Ellis-Foster Company, Montclair, N. J., a Corporation of New Jersey. Filed Mar. 27, 1924. Serial No. 702,560. 3 Claims. (Cl. 203—4.)

1. The process of making a nitrocellulose solvent from wood tar oil which comprises agitating a distillate thereof, boiling up to 130° C., with bleaching powder whereby a product of improved odor and good solvent properties for nitrocellulose is obtained.

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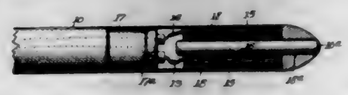
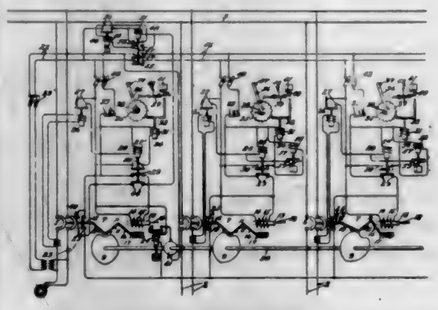
1,558,447. ELECTROMAGNETIC FISHING TOOL. CHESTER H. BEACH, Racine, Wis., assignor to Wisconsin Electric Company, a Corporation of Wisconsin. Filed Nov. 7, 1921. Serial No. 513,324. 1 Claim. (Cl. 175—367.)



In a tool of the class described, an electric cable, a ferrule tightly fitted over said cable adjacent one end thereof, one edge of said ferrule being pressed into said cable to anchor the same thereon, an elongated shell tightly fitting said ferrule at its inner end and provided with an aperture at its outer end, an electromagnetic coil housed within said shell and connected to the conductors of said cable, and a core of magnetic material mounted in said coil with its tip projecting into said aperture and lying flush with the outer end of said shell.

1,558,448. AUTOMATIC RECLOSING CIRCUIT-BREAKER SYSTEM. ARVID E. ANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 2, 1922. Serial No. 579,252. 8 Claims. (Cl. 175—294.)



1. In an automatic reclosing circuit breaker system, a plurality of circuit breakers, means arranged to be operated to effect the opening of one of said circuit breakers, means operative in response to the opening of said one of said circuit breakers to effect the opening of the other of said circuit breakers, means operative in response to the opening of said one of said circuit breakers to effect the closing thereof, means arranged to effect the closing of the other of said circuit breakers successively, and means operative in response to the closing of said one of said circuit breakers to effect the operation of said last mentioned means.

Patents Nos. 1,558,449 to 1,559,585.

# THE OFFICIAL GAZETTE

OF THE

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| Designs | 51—No. | 68,558 to No. | 68,608, inclusive. |
| Patents | 1,087—No. | 1,558,449 to No. | 1,559,535, inclusive. |
| Total | 1,616 | | |

## ADJUDICATED PATENTS.

(C. C. A. Ill.) The Bruegmann patent, No. 983,675, for improved printer's register hook, *Held* not infringed. *Printing Utilities Co.* v. *International Harvester Co.*, 6 F. (2d) 461.

(C. C. A. Pa.) The Honigmann patent, No. 1,074,720, for automatic feeding device for printing presses, claims 1, 2, 10, 21, and 22 *Held* subsequent in date of invention to claims 13–17 of the Wells and Hunter patent, No. 1,363,200. *Miehle Printing Press & Mfg. Co.* v. *Miller Saw Trimmer Co.*, 6 F. (2d) 417.

(C. C. A. N. Y.) The Alberti patents, Nos. 1,234,109 and 1,234,711, for bottle closure and process of making, *Held* valid and infringed. *International Cork Co.* v. *New Process Cork Co.*, 6 F. (2d) 420.

(C. C. A. Wis.) The Schneider patent, No. 1,263,351, for electric heater, *Held* not infringed. *Cutler-Hammer Mfg. Co.* v. *General Electric Co. et al.*, 6 F. (2d) 376.

(C. C. A. Pa.) The Wells and Hunter patent, No. 1,363,200, for automatic printing-press feeder, claims 13–17 *Held* prior in invention to claims 1, 2, 10, 21, and 22 of the Honigmann patent, No. 1,074,720. *Miehle Printing Press & Mfg. Co.* v. *Miller Saw Trimmer Co.*, 6 F. (2d) 417.

(C. C. A. Wis.) The Abbott patent, No. 1,367,341, for electric heating element, *Held* valid and infringed. *Cutler-Hammer Mfg. Co.* v. *General Electric Co.*, 6 F. (2d) 376.

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## Condition of Applications Under Examination at Close of Business October 16, 1925.

| Room No. | (Total number of applications awaiting action, excluding Trade-Mark Division, 40,573; Trade-Mark Division, 2,119. Oldest new case, Apr. 6, 1925; oldest amended, Apr. 8, 1925. The dates given are 1925.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS. | Oldest new application and oldest action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
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| 234 | 4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists. | July 18 | July 6 | 555 |
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| 148* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | July 8 | July 9 | 745 |
| 380 | 12. PIERCE, P. P., Machine Elements | June 29 | June 18 | 681 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | June 20 | June 30 | 672 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | June 15 | July 16 | 755 |
| 329 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | July 1 | July 7 | 763 |
| 242* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | June 2 | June 22 | 734 |
| 307 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | Aug. 1 | Aug. 17 | 348 |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | May 20 | May 15 | 748 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | June 22 | Aug. 22 | 483 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking. | July 8 | July 9 | 673 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | June 1 | July 21 | 496 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | July 24 | Aug. 5 | 355 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | May 29 | May 6 | 353 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | July 31 | Aug. 10 | 357 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | July 22 | July 10 | 731 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | Apr. 27 | May 4 | 781 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | Aug. 11 | Aug. 12 | 516 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Aug. 18 | Aug. 19 | 670 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | Apr. 6 | Apr. 8 | 1,177 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | July 1 | July 2 | 895 |
| 312 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | Aug. 11 | Aug. 6 | 683 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | June 11 | June 15 | 629 |
| 152 | 33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Aug. 18 | Aug. 17 | 624 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders. | June 2 | June 15 | 587 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | July 10 | Aug. 1 | 620 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | June 15 | June 26 | 1,115 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | May 25 | May 25 | 960 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells. | May 22 | May 22 | 843 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | June 22 | Aug. 3 | 391 |
| 269 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | June 17 | June 29 | 1,272 |
| 125 | 41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | July 10 | July 2 | 471 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings, Electric Signaling | Apr. 28 | Apr. 28 | 1,200 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | June 27 | July 7 | 741 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | May 4 | May 15 | 822 |
| 379 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | July 1 | July 3 | 665 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | June 29 | June 22 | 608 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | June 3 | June 4 | 1,244 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, Genera Applications | May 2 | May 1 | 1,576 |
| 239 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification. | June 18 | July 2 | 765 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | May 20 | June 1 | 1,067 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | May 29 | May 28 | 1,795 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | Aug. 1 | Aug. 3 | 534 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens. | July 22 | July 29 | 756 |
| 102 | DESIGNS: C. O. MARKHAM (Acting) | Oct. 1 | Oct. 1 | 275 |
| 163 | TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR. {Trade-Marks | Sept. 9 | Oct. 1 | 1,901 |
| | {Labels and Prints | Sept. 17 | Oct. 3 | 218 |

* Refers to room numbers in the annex.



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Commissioner's Decisions.

EX PARTE DODGE.

*Decided February 14, 1924.*

1. INVENTION—REVERSAL OF PARTS.

Where in a prior patent a bracket is attached to each side of a container and cooperating trunnions are attached to the inner walls of a casing for the container, *Held* that it is an obvious reversal to attach the trunnions to the container and the brackets to the casing.

2. SAME—REMOVABILITY OF PARTS.

Where it is old to make the top member and the upper portions of the front and rear of a shipping casing for an oil can removable from the rest of the casing, but permanently attached to the can, *Held* that there is no merit in making these portions removable from the can as well as from the casing.

3. SAME—ADDITIONAL FUNCTION.

Although it was not patentable over the prior art to secure trunnions on the sides of a container and cooperating brackets on the inner sides of a case, yet where these parts were made to serve the additional function of maintaining the container against movement in the case during shipment, *Held* that a claim covering all these features should be allowed.

[Note.—This application has resulted in Patent No. 1,490,663, April 15, 1924.]

Application for patent.

APPEAL from the Examiners in Chief.

COMBINED CONTAINER AND CASE.

Application filed November 8, 1919, Serial No. 336,570.

*Messrs. Morsell & Keeney* for the applicant.

*Mr. T. A. Hostetler* for the Commissioner of Patents.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiners in Chief affirming that of the primary Examiner denying patentability to all the claims, two in number, of which claim 1 will serve for illustrative purposes:

1. In combination a case of substantially rectangular shape having oppositely disposed side walls, front and rear walls each of which are formed of a lower portion fixed to said side walls and a removable upper portion adapted to be secured as desired to said side walls, and a removable top cover, a container having medial opposite trunnions, the distance between the outer portions of said trunnions being slightly less than the distance between the inner surfaces of the side walls of the case to permit the container being easily lowered into and lifted upwardly in said container when the top cover and the upper portions of the front and rear walls are removed, and bearing brackets mounted on the upper and inner portions of the opposite side walls and having upper rounded edge recesses for pivotally receiving the opposite trunnions and supporting the container when the container is lifted upwardly from the case and the trunnions are inserted in said brackets, the inner portions of said brackets being of greater distance apart than the width of the container but of less distance apart than the distance apart of the outer portions of the trunnions.

The references are: Bean, No. 298,338, May 13, 1884; Clough, No. 211,088, January 7, 1879; Heisey, No. 294,231, February 26, 1884.

The appealed claims are directed to a container for liquid, such as lubricating oil, and a holding case in which the container is shipped and from which the container is partially removed when being tipped to pour out the fluid or oil. Upon each side of the container is soldered a trunnion with a flaring head, and upon the top and within each of the sides of the case is secured a supporting bracket for the trunnion. In order to facilitate the tipping of the container when the trunnions are set into the brackets, the top and upper portions of the front and rear of the case are removed. These portions are arranged so that such removal may be readily made. In shipping, the trunnions, which are out of engagement with the brackets, serve to stay the container in the case by contacting with the walls of the latter. Also at such time the brackets stay the top of the container by engaging its sides.

[1] The patent to Clough discloses a round oil can set in a case of the general shape employed by appellant, and, notwithstanding appellant's contention to the contrary, the can may be readily shipped in the case. The front and top portions of the case may be readily removed and the brackets carried by the can set over the trunnions carried in the case and the can tipped in the manner in which appellant may tip his can. The brackets are secured to the can in the Clough arrangement by a band, but the patentee states the brackets may be soldered to the can, lines 15 to 18, and this would simulate appellant's way of fastening his trunnions to the container. Although Clough secures the brackets to the can and the trunnions to the case, this is an obvious reversal, and there is no point in the change appellant has made. The trunnions J of this patent are clearly shown enlarged at their outer ends. It is considered the brackets and the trunnions of this reference are substantially those employed by appellant.

[2] Bean discloses the rectangular can and the handle bracketed by the two top bars of the case. The top members and the upper portions of the front and rear of the case are removable, as in appellant's construction, but while removable from the case they are permanently attached to the can. It is not believed there is any merit in making these portions removable from the can as well as from the case. It is thought to be obvious the lugs and brackets of Clough could be employed in the Bean construction. When this is done, the appealed claims are fully anticipated. Such a change is believed to be wholly wanting in inventive concept. The conclusion of the Examiners in Chief is believed to be sound.

[3] Appellant submits an additional claim which sets forth substantially the same combination of parts as set forth in the appealed claims, but adds the further limitation that the brackets and the trunnions have a function in maintaining the container against movement in the case. Since the container is of thin material and the contents are heavy, it is thought there is some advantage in these features, and since they are not shown in the art to which my attention has been called it is thought this claim may be allowed.

The decision of the Examiners in Chief is affirmed.

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EX PARTE HALLECK.

*Decided May 29, 1924.*

INVENTION—AGGREGATION OF INDEPENDENT ELEMENTS.

Where swaging dies and gauging grooves are formed in the same block for successive but independent operations on the same blank, *Held* that a claim for the block provided with the two forming surfaces covers an aggregation of independent elements.

[Note.—This application has resulted in Patent No. 1,523,356, January 13, 1925.]

Application for patent.

APPEAL from Examiners in Chief.

FORGING MACHINES.

Application filed July 10, 1917, No. 179,771.

*Mr. Horace L. Rockwell* for the applicant.

KINNAN, *First Assistant Commissioner:*

This is an appeal from the decision of the Examiners in Chief affirming the action of the Primary Examiner finally rejecting claim 19, which reads as follows:

19. In a forging machine, swaging dies provided with flat transversely disposed diagonal forming surfaces and cooperating shank receiving surfaces, said dies each having inclined gaging grooves disposed longitudinally thereof at one side of said transversely disposed surfaces.

The claim was rejected not on the ground that it was directly anticipated, but on the ground that it covered a mere aggregation of dies for performing separate and distinct operations.

There were a number of other claims rejected, which were canceled after the decision of the Examiners in Chief. They included the combination of the so-called forming dies and the means "for forming a cutting edge on the steel." Claim 19 is for the combination of the swaging dies and the gauging grooves. These are both formed in the same block; but they are entirely independent in their operations. In other words, the swaging dies are first employed to bring the blank into the shape shown in Figure 10 and the die is then opened, the blank is turned at right angles and placed in the gauging grooves, whereupon the die is again closed in order that the blank may be acted upon by the surfaces 14 and 15 of the die, so as to "be brought down to gauge," and at the same time the desired square corners be formed.

While the swaging dies and the gauging grooves are formed in the same block, they are utterly independent in their actions, and the claim covers an aggregation of independent elements just as much as if the swaging dies and the gauging grooves were formed in independent blocks. The two elements covered by the claim are just as independent as the elements covered by the claims which were canceled. That a machine comprising two independently-operated dies is not a patentable combination was held in the case of *The Beecher Mfg. Co.* v. *The Atwater Mfg. Co.*, 1885 C. D. 324; 31 O. G. 1306; 114 U. S. 523, and the same reasoning applies to the present claim.

The decision of the Examiners in Chief is affirmed.

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EX PARTE V. PERRIN & CIE.

*Decided August 28, 1923.*

1. TRADE-MARKS—SECONDARY MEANING—ACT OF 1905.

A descriptive mark will not be registered under the act of 1905, and the Office will not consider evidence that it has acquired secondary meaning.

2. SAME—SAME—ACT OF 1920.

Since descriptive marks may be registered under the act of 1920, it is not necessary for the Office to put a strained interpretation upon the act of 1905 in order to register marks which have acquired secondary meanings.

Application for registration of trade-mark.

ON APPEAL.

TRADE-MARK FOR GLOVES.

Application filed November 10, 1920, Serial No. 139,472.

*Messrs. Knight Brothers* for applicant.

FENNING, *Assistant Commissioner:*

This is an appeal from the action of the Examiner of Trade-Marks refusing to register as a trade-mark for leather gloves "Ripproof" on the ground that it is merely descriptive.

In *Hercules Powder Company* v. *Newton*, 274 O. G. 204; 1920 C. D. 340; 266 Fed. Rep. 169, the court said:

If the proposed trade-mark consists of a single word, then that word standing alone is merely descriptive, or it is not descriptive at all.

It seems too clear for argument that the present mark is descriptive and that, therefore, it is merely descriptive. Applicant in fact admits this, but urges that the mark has acquired a secondary meaning by use, and consequently it is no longer merely descriptive. In support of this affidavits are filed and a number of cases are cited. The Patent Office is not provided with facilities for taking testimony in ex parte cases and I am loathe to believe, in view of this well-known condition, that the trade-mark statute was intended to put upon the Office the burden of determining whether or not a mark has attained a secondary meaning. That this is the substantial understanding of the profession is evidenced by a proposed revision of the trade-mark laws which has been prepared by a committee of the patent section of the American Bar Association and revised by a committee of the New York Bar Association. Both committees endeavor to make special provisions for registering trade-marks which have attained secondary meaning, which may be taken as an indication that the present statute does not provide for such precedure.



Applicant cites the well-known "Holeproof" hosiery cases, 172 F. 859 and 190 F. 606, and the "Wearever" case, 226 F. 815. It is true in those cases that the court discusses secondary meaning as applied to a registered trade-mark, but the discussion there seems to be obiter, since the cases were wholly decided on a question of unfair competition.

[1] The following cases indicate the proper attitude of the Office to be a refusal to register under the act of 1905 a trade-mark which is descriptive: *Standard Paint Co.* v. *Trinidad Asphalt Mfg. Co.*, 165 O. G. 971; 1911 C. D. 530; 220 U. S., 446; *In re Toledo Scale Co.*, 303 O. G. 399; 1922 C. D. 136; *In re Packard Motor Car Co.*, 243 O. G. 1311; 1917 C. D. 206; 46 App. D. C. 555; *In re Alvah Bushnell Co.*, 270 O. G. 189; 1920 C. D. 112; 49 App. D. C. 133; 261 Fed. Rep. 1013; *In re B. F. Goodrich Co.*, 313 O. G. 663; 1923 C. D. 260; 285 Fed. Rep. 995; *In re Reid Bros.*, 287 O. G. 408; 1921 C. D. 198; 51 App. D. C. 6; 273 Fed. Rep. 368, as well as the Hercules Powder case above cited.

[2] The recent attitude of the court of appeals is indicated in the Goodrich and Reid Brothers cases cited, and this is a reasonable attitude at least since the passage of the act of 1920, which act makes it possible for an applicant to register its trade-mark even though it is descriptive. *Dunlap & Co.* v. *Jackson & Gutman Co.*, 326 O. G. 439; 1924 C. D. 38; 13 T. M. Rep. 66. The presence on the statute books of the act of 1920 makes it unnecessary for this Office to put a strained interpretation upon the act of 1905 and also makes it unnecessary for this Office to do the very dangerous thing of allowing registration on the ground of secondary meaning shown entirely by ex parte affidavits.

The Examiner of Trade-Marks is affirmed.

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EX PARTE CALUMET STEEL COMPANY.

*Decided September 15, 1925.*

1. TRADE-MARKS—TWO-COLORED FENCE POST.

Arbitrarily coloring the lower or base portion of a fence post black and arbitrarily coloring the upper portion of the post green does not constitute a trade-mark.

2. SAME—ACT OF 1920—DEVICES OTHER THAN TRADE-MARKS NOT REGISTRABLE.

Under the act of 1920, as under the act of 1905, a device in order to be registrable must be a trade-mark.

3. SAME—CHARACTERISTIC OF A TRADE-MARK.

A thing in common use which includes no name, symbol, or assertion of origin or ownership is not a trade-mark.

ON PETITION.

Application for registration of trade-mark under act of March 19, 1920, filed April 24, 1924, Serial No. 196,049.

METALLIC FENCE POSTS.

*Mr. Eugene C. Wann* for the applicant.

FENNING, *Assistant Commissioner:*

Applicant petitions from the action of the Examiner of Trade-Marks refusing registration of his trade-mark under the act of March 19, 1920, substantially on the ground that what applicant is endeavoring to register is not a trade-mark.

I have carefully considered the act of 1920, but am unable to find in it any authority for registering anything which is not a trade-mark. This legislation appears to have originated with Senate bill 4783, introduced June 27, 1918. This bill amended sections 2, 4, and 13 and added a new section 16 (*a*) to the Trade-Mark Act of February 20, 1905. A hearing was had July 3 and 5, 1918, before the Committee on Commerce of the Senate and the proceedings printed.

Another bill (S. 4889) was introduced on August 20, 1918, apparently to take the place of Senate 4783. It appears that this bill 4889 was passed by the Senate without amendments and reported favorably by the Committee on Patents of the House (Report No. 1090) February 18, 1919, but failed of passage by the House.

On July 5, 1918, there was introduced in the House H. R. 7157 to amend section 5 of the Trade-Mark Act of February 20, 1905. This bill extended the ten-year clause of the act of February 20, 1905, to include other articles not manufactured by the applicant for ten years next preceding February 20, 1905. This bill was favorably reported with slight amendments by the Committee on Patents of the House February 6, 1920, after hearings had on January 21 and 22, 1920. The hearings and the report were printed.

A new bill (H. R. 9023) was introduced into the House some time in 1919. A hearing on this bill was held before the House Committee on Patents October 15, 1919, and the bill was reported to the House favorably October 24, 1919. It appears that this bill (H. R. 9023) was identical with Senate bill 4889, previously passed by the Senate. H. R. 9023 was then sent to the Senate and a report was made February 21, 1920, by the Committee on Patents, and this report recommended that the bill pass with certain amendments. Apparently this bill passed the Senate in the amended form as reported by the committee of the Senate.

After passage by the Senate it appears that the Senate amendments were not agreed to by the House and a conference was authorized (see Congressional Record of March 20, 1920, p. 4463). The conference report was submitted to the Senate March 11, 1920 (see Congressional Record for that date, p. 4488). The conference report recommended that the House recede from its disagreement of the Senate amendments, one of said amendments by the Senate being further amended by the conferees and agreed to by them. The conference report with all amendments was agreed to by the Senate March 11, 1920 (see p. 4488, Congressional Record), and reported to the House and discussed March 13, 1920 (see Congressional Record for that date, pp. 4603–4604), and the conference report was agreed to.

It should be noted that one of the amendments to the bill made by the Senate—namely, section 9—authorized the incorporation into the bill of H. R. 7157.

I have carefully examined the proceedings which led up to the passage of the act, but am unable to find anything which leads to the conclusion that we should register something which is not a trade-mark. *Ex parte Standard Oil Company (New Jersey)*, 1924 C. D. 110; 328 O. G. 785; *Ex parte H. K. H. Silk Co.*, 1924 C. D. 150; 329 O. G. 266; *Ex parte Keyless Auto Clock Co.*, 1923 C. D. 25; 309 O. G. 223; *Ex parte Mme. V. V. Maginley*, 1924 C. D. 145; 329 O. G. 264.

[1] I am clearly of the opinion that the Examiner of Trade-Marks was right and that what applicant at present proposes to register is not a trade-mark. Applicant has presented affidavits of dealers indicating that the dress of his goods is recognizable; but those affidavits cannot establish that the dress is in law a mark.

The application as amended sets out that:

> The trade mark consists in arbitrarily coloring the lower or base portion of a fence post black and arbitrarily coloring the upper portion of the post green as indicated by the shading in the accompanying drawing.

The drawing shows a metal fence post colored black to a little above the ground line and colored green from there to the top of the post.

This application was involved in opposition No. 5694, in which on February 6, 1925, I refused registration. 146 MS. Dec. 371. The applicant at that time said:

> The trade mark consists in coloring the entire post one color, as for instance green as indicated by the shading in the accompanying drawing, and then coloring the base of the post, from a point at or just above the ground line down, with a contrasting color, as with a heavy extra coat of tough, rust-resisting black asphaltum, thus making the post have a double coated base.
> The trade mark is applied or affixed directly to the goods by painting or coloring the same in the manner above described.

We must take judicial notice of the fact that it has been common for many years to paint lower portions of fence posts which go into the ground with a black asphaltum paint for the purpose of protecting the fence post. We must also take official notice of the fact that it is not at all uncommon to have the portion of the fence post which appears above the ground painted green. In fact, green is one of the most usual colors used in paint for fences.

As pointed out in *Ames Shovel and Tool Company* v. *Baldwin Tool Works*, 335 O. G.. 831:

> No one may adopt a trade mark which will exclude the rest of the trade from using the usual ordinary manufacturing practice established in the trade.

See also *Checker Cab Mfg. Co.* v. *Yellow Cab Co.*, 339 O. G. 762.

[2] Applicant has objected to the citation of decided cases on the ground that he is applying for registration under the act of 1920, and the decided cases were decided under the act of 1905. It is clear, however, that under the act of 1920, as under the act of 1905, a device in order to be registrable must be a trade-mark. In *Goodyear Tire & Rubber Co.* v. *The Firestone Tire & Rubber Co.*, 1917 C. D. 49; 240 O. G. 641, registration was refused of an automobile tire consisting of a black tread and red side walls. After very careful consideration and argument, most of which is clearly applicable here, it was held that that mark was not a trade-mark.

In *In re American Circular Loom Company*, 1907 C. D. 452; 126 O. G. 2191; 28 App. D. C. 450, the Court of Appeals of the District of Columbia refused registration of "flakes of mica impressed or otherwise applied to the external surface of an insulating tube" on the ground that it was merely "an ingenious attempt to obtain a trade mark of which color, unconnected with some symbol or design, is the essential feature." The court there cited with approval the holding of the Commissioner that:

> The surface effect which the applicant calls his trade mark is not so clearly distinct from the article upon which it appears as to be readily recognized as an arbitrary symbol for this purpose.

[3] That this is not a new doctrine is clearly established by the case of *Harrington* v. *Libby*, Fed. Cases 6107, decided in 1877, where the court held that a peculiarly-marked pail was not a trade-mark for collars packed in the pail. The court held that a thing which was in common use and which included no name, no symbol, no assertion of origin or ownership, was not a trade-mark.

The Examiner was right in refusing registration. The petition is denied.

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CHECKER CAB MANUFACTURING CORPORATION *v.* YELLOW CAB MANUFACTURING CO.

*Decided September 24, 1924.*

1. TRADE-MARKS—NOT PRIMARILY FOR ORNAMENT.
   A trade-mark may be ornamental. It may add to the beauty of a device and still be a trade-mark; but the purpose of a trade-mark is not primarily for ornament.
2. SAME—PORTIONS OF STRUCTURES.
   The courts generally hold portions of structures not trade-marks.
3. SAME—OPPOSITION—REPRESENTATION OF A SHUTTER EMBOSSED IN THE SIDE OF AN AUTOMOBILE BODY.
   Where it was common to apply an ornament to the side of a carriage or automobile body behind the window, and one of the best-known ornaments was the representation of the slats of a blind or shutter, opposition to the registration of an alleged mark comprising an embossed representation of a shutter in the same location was sustained.

Opposition No. 4,735.

APPEAL from Examiner of Interferences.

TRADE-MARK FOR AUTOMOBILE TAXICABS.

Application of Yellow Cab Manufacturing Co. filed February 15, 1923, No. 176,105, published June 5, 1923.

*Messrs. Brown, Boettcher & Dienner* for Checker Cab Manufacturing Corporation.

*Messrs. Rummler & Rummler* for Yellow Cab Manufacturing Co.

FENNING, *Assistant Commissioner:*

The Yellow Cab Manufacturing Co. appeals from the action of the Examiner of Interferences sustaining an opposition brought by the Checker Cab Manufacturing Corporation against its application to register as a trade-mark for "Motor Driven Passenger Vehicles — Namely, Automobile Taxicabs" what applicant aptly defines in its brief thus:

> The trade mark involved in this proceeding is an emblem, consisting of a panel having the appearance of a plurality of parallel slats arranged within a border which resembles a frame so that the entire emblem has the appearance of a shutter panel, but in fact is an embossed representation, not made of slats, and is solid with no ventilating slits as in the conventional shutter that it appears to represent.



The application papers allege that the trade-mark is applied or affixed to the goods by embossing the same on a sheet of metal and inserting the latter as a panel in the exterior wall in the upper rear part of each side of the vehicle. It has been common practice in automobile bodies of the closed type to provide a window in the upper portion of the body on each side to the rear of the doors. This practice was common with the bodies of carriages of various types before the advent of the automobile. In both types of vehicles it has been common for upward of a century, at least, at times to provide a window smaller in dimensions than the space of the vehicle body provided. Such procedure might leave a blank space in the vehicle body to the rear of the window. It was common to apply an ornament or embellishment to this part of the vehicle body. One of the commonest and best-known ornaments employed by the carriage builder for many years has been the representation of the slats of a blind or shutter for a window. Sometimes actual slats were set into the body, sometimes a representation of them was painted upon the vehicle body. The effect produced by such arrangement was to make it appear that there were two windows in the rear portion of the vehicle body, one of them being closed by the shutter.

Finding this condition of the art applicant alleges that it elected to choose as its trade-mark to indicate origin this ornamentation of its vehicle. Opposer, manufacturing a vehicle somewhat similar to that of applicant's, sometimes employs this old obvious scheme of ornamenting its vehicle bodies. Such fact seems to indicate that opposer may be damaged by registration to applicant of the mark under consideration.

[1] Beyond doubt a trade-mark may be ornamental. It may add to the beauty of a device and still be a trade-mark. On the other hand the purpose of a trade-mark is not primarily ornamental. The Supreme Court in *Columbia Mill Company* v. *Alcorn*, 65 O. G. 1916; 1893 O. G. 672; 150 U. S. 460, said:

> That to acquire the right to the exclusive use of a name, device, or symbol, as a trade mark, it must appear that it was adopted for the purpose of identifying the origin or ownership of the article to which it is attached, or that such trade mark must point distinctively, either by itself or by association, to the origin, manufacture, or ownership of the article on which it is stamped. It must be designed, as its primary object and purpose, to indicate the owner or producer of the commodity, and to distinguish it from like articles manufactured by others.

[2] It is difficult for me to believe that applicant has shown trade-mark use of the design here in issue. It is embedded in the wall of the cab, taking the place of what might otherwise be a blank piece of material. It is a portion of the structure (and the courts generally hold portions of structures not trade-marks).

[3] To the casual observer or to one conversant with automobile bodies it seems to be a conventional ornament conventionally placed. As such any body builder is entitled to use it. To give exclusive use of it to applicant would be a perversion of the trade-mark laws.

The opposition must be sustained.

The Examiner of Interferences is affirmed.

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EX PARTE OWN YOUR HOME EXPOSITION, INC.

*Decided May 26, 1925.*

PRINTS—ADVERTISEMENT SOLICITING EXHIBITS AT "OWN YOUR HOME" EXPOSITION.
An advertisement in which manufacturers of building material and home equipment are invited to exhibit their products at the "Own Your Home" exposition refused registration on the ground that it is not descriptive of an article of manufacture.

Appeal from Examiner of Trade-Marks.

PRINT FOR "BUILDING MATERIAL AND HOME EQUIPMENT MANUFACTURERS."

*Messrs. Wilkinson, Huxley, Byron & Knight* for the applicant.

FENNING, *Assistant Commissioner:*

Applicant appeals from the decision of the Examiner of Trade-Marks refusing registration as a print of an advertisement in which building material and home equipment manufacturers are invited to exhibit their products at the "Own Your Home" exposition.

The act under which prints are registered in this Office provides that the words engraving, cut, and print of the Copyright Act shall be applied only to works connected with the fine arts and that "no prints or labels designed to be used for any other article of manufacture shall be entered under the copyright law, but may be registered in the Patent Office."

Rule 28 of the rules of this Office defines a print as—

> an artistic and intellectual production designed to be used for an article of manufacture and in some fashion pertaining thereto, but not borne by it—

and rule 30 provides that no print can be registered unless—

> it properly belongs to an article of manufacture and is descriptive thereof.

Inspection of the print shows that it is not descriptive of anything, unless it is of the exposition itself. It certainly in no way describes building material. That it is not descriptive of an article of manufacture is shown by the last paragraph of the statement, which, after giving the date of the first publication and the title of the print, states:

> It is used for advertising purposes, for building material and home equipment manufacturers.

Obviously the manufacturers are not articles of manufacture, nor does the label in any way describe the building material. The only possible suggestion as to the character of the material is the statement that only manufacturers of reliable products are invited to exhibit.

Registration was therefore properly refused, and the decision of the Examiner of Trade-Marks is affirmed.

## Court of Appeals of the District of Columbia.

IN RE THE GOODYEAR TIRE & RUBBER COMPANY.

*No. 1,705. Decided April 6, 1925.*

TRADE-MARKS—DESCRIPTIVE—DIAMOND-SHAPED PROJECTIONS ON FACE OF RUBBER TIRE.

Diamond-shaped projections molded on the face of a rubber tire are for the purpose of enhancing the wear or preventing skidding, or both, and are not registrable, being descriptive of the goods.

APPEAL from Patent Office. Affirmed.

*Mr. E. H. Parry* for The Goodyear Tire & Rubber Co.

*Mr. T. A. Hostetler* for the Commissioner of Patents.

Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

VAN ORSDEL, *J.*:

This appeal is from the decision of the Commissioner of Patents denying registration of a trade-mark consisting of—

a series of circumferentially disposed, outstanding blocks or elements, approximately diamond-shaped, and spaced by a series of grooves or lines which intersect each other at right angles, the blocks or elements being alined on parallel cross-planes.

The goods on which the mark is used are specified as belting, hose, machinery packing, and nonmetallic tires. The diamond-shaped projections, which appellant claims as a trade-mark, are clearly descriptive of the goods on which they are used, since they form a very essential part of the goods itself. In other words, these projections are molded on the face of a rubber tire either to enhance the wear or to prevent skidding, or both.

Section 5 of the Trade-Mark Act of 1905, among other things, provides:

That no mark which consists merely in * * * devices which are descriptive of the goods with which they are used shall be registered.

As suggested in brief of counsel for the Patent Office,—

the most accurate way of describing an article is possibly by the article itself.

This case, we think, is clearly ruled by the decisions in *Re United States Tire Company*, 225 O. G. 1107; 1916 C. D. 161; 44 App. D. C. 469; *In re Barrett Company*, 262 O. G. 167; 1919 C. D. 200; 48 App. D. C. 586; *Bristol Co.* v. *Graham*, 199 Fed. 412, and *Daniel & Electric Hose & Rubber Co.*, 231 Fed. 827.

The decision of the Commissioner of Patents is affirmed.

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## Court of Appeals of the District of Columbia.

IN RE SCHRAM.

*No. 1,726. Decided April 6, 1925.*

ANTICIPATION—SCREW CAP FOR FRUIT JARS.

S.'s improvement in screw caps for fruit jars, anticipated.

APPEAL from Patent Office. Affirmed.

*Mr. John S. Barker* for the applicant.

*Mr. T. A. Hostetler* for the Commissioner of Patents.

Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

ROBB, *J.*:

Appeal from a decision of the Patent Office refusing four claims covering an alleged invention on a screw cap for a fruit jar.

The claimed novelty consists of

a closely rolled bead formed around the lower edge of said cap, whereby the spreading of the lower edge of the cap, cutting of the gasket or hands is prevented and a more uniform sealing action is obtained.

In other words, appellant has rolled up the lower edge of the old cap, and nothing more. While this change undoubtedly is an improvement over the prior art, it was suggested, as found by the Patent Office, by the patent to Redington, No. 1,110,646, which, though differing somewhat from appellant's device, clearly disclosed the idea.

For the reasons more fully stated by the tribunals of the Patent Office, the decision is affirmed.

Affirmed.

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## Court of Appeals of the District of Columbia.

LANGMUIR *v.* ARNOLD.

*No. 1,680. Decided June 1, 1925.*

INTERFERENCE—PRIORITY.

Decision of the Patent Office awarding priority to the junior party A. reversed.

APPEAL from Patent Office. Reversed.

*Mr. A. G. Davis* and *Mr. A. D. Lunt* for Langmuir.

*Mr. Carl L. Richmond* and *Mr. Melville Church* for Arnold.

Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

ROBB, *J.*:

Appeal from a decision of an Assistant Commissioner of Patents in an interference proceeding awarding priority to the junior party, Arnold, and reversing concurrent decisions of the Examiner of Interferences and the Board of Examiners in Chief.

The invention is a thermionic tube adapted to be used as a relay in long-distance telephone systems, as a detector or amplifier in wireless systems, or as a rectifier of alternating currents. The issue is expressed in 13 counts, of which the 1st, 7th, and 13th, here reproduced, will serve as examples:

1. A high vacuum electron discharge device comprising an envelope, an incandescent cathode, and an anode, the space in said envelope being evacuated to such degree that the passage of current produces no appreciable positive ionization when the impressed voltage is as high as 200 volts.

7. A discharge device comprising a tube and electrodes therein one of which is adapted to emit electrons, the degree of evacuation and the relation of the parts of the device being such that the device is capable of being so operated, when voltages materially higher than ionization voltages are impressed on electrodes of the device and when the electron emission has any value such that the space current is below the saturation region at such voltage, that the line obtained by plotting the logarithms of any values of said current below the saturation region as ordinates against the logarithms of the corresponding values of said impressed voltages as abscissæ is straight and continuous.

13. The method of controlling an electric current in one circuit by an electromotive force in another circuit which consists in causing said current at voltages materially above ionization voltages to pass as a discharge across a vacuous space between an electron emitting cathode and an anode, maintaining a high vacuum in said space, governing or limiting the current by a space charge effect in said space substantially unaffected by positive ionization, and superimposing the effect of said electromotive force on said space charge effect to control said current in a stable and reproducible manner.

The attitude of the junior party, appellee here, when this interference was declared, is significant. He filed a motion challenging the patentability of the issue and sought and obtained permission to take evidence in support of that motion. The result was the taking of voluminous testimony by the parties on this issue, which by stipulation is in the record here. The Law Examiner, to whom this question was initially referred, sustained the patentability of the issue and his decision is controlling here. We therefore start our inquiry in this appeal with the established fact that, so far as this proceeding is concerned, the issue is patentable; in other words, that something more than mere mechanical skill was involved in the result achieved.



The Examiner of Interferences, in an exhaustive opinion, awarded priority to the senior party, Langmuir. The Board, on appeal, directed attention to the fact that, structurally considered, the tubes of both parties outwardly are substantially identical with the Fleming valve and the De Forest audion of the prior art; that the invention has been referred to as a "thing compact of glass and metal". The Board then pointed out that this definition, although correct as far as it goes, is inadequate because it applies equally well to the prior-art devices, and that to this definition should be added the qualification that the device "operates with a *pure* electronic discharge above the voltage of positive ionization and below saturation", and proceeded:

But how is one to know whether the discharge is purely electronic? In other words, how is one to know whether a tube embodies merely the prior art devices or the invention of the issue? * * * For example, count 1 specifies that the envelope of the tube is evacuated to such a degree that the passage of current produces no appreciable positive ionization when the impressed voltage is as high as 200 volts. Thus the count distinguishes from the prior art, not by features of structure, but by a characteristic which is manifest while the device is operating at or above a certain voltage.

Later in its decision the Board suggested that the question to be determined was, who of the parties "first knowingly and understandingly conceived and produced such a tube"; that Arnold, the junior party, did not claim to have conceived the invention prior to November 1, 1912, or to have reduced it to practice prior to the 29th of that month; that Langmuir, on the other hand, alleged conception, disclosure, sketches, written description and successful operation prior to September 1, 1912, followed in November of that year by the successful operation of other devices embodying the invention. The Board then carefully reviewed the testimony in support of Langmuir's contentions and found that he had conceived the invention of counts 1 to 11, inclusive, as early as September 1, 1912, and had reduced the same to practice by November 19th of the same year; that, as to counts 12 and 13, Langmuir had conceived prior to April 8, 1913, and had reduced to practice by April 15th of that year; that Arnold conceived and reduced to practive the invention of fail the counts except counts 1 and 11 on April 25, 1913, and that counts 1 and 11 were not reduced to practice until after Langmuir's filing date.

The attitude of the Assistant Commissioner toward the case was that of the junior party upon the declaration of the interference, namely, that the patentability of the issue was doubtful. He says:

The line between the prior art and the issue is attenuated and if there is patentability, it must be as set out in the decision of the Law Examiner on the motion, and I do not understand either party to attack that decision here. Arnold alleges that when he made the invention, he thought he was following the prior art and not producing something patentable, and an undercurrent of that attitude seems to tinge his whole case. This is why he filed so late.

Proceeding from that postulate, the Assistant Commissioner has accepted as controlling on the question of conception and reduction to practice, on behalf of Arnold, testimony of a vague and general character and which failed to satisfy the lower tribunals, as it also has failed to satisfy us. The decisions of those tribunals are so clear and satisfying that we are content to rest our opinion upon the reasoning there given.

It results that the decision is reversed and priority awarded Langmuir.

Reversed.

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## Court of Appeals of the District of Columbia.

CONTINENTAL VARNISH COMPANY *v.* THE ALABASTINE COMPANY.

*No. 1,737. Decided June 1, 1925.*

TRADE-MARKS—DESCRIPTIVE—"OPALINE."

The word "Opaline" as applied to "varnishes and finishes in the nature of a paint" would signify the character or quality of such goods, and hence the word is not registrable.

APPEAL from Patent Office. Affirmed.

*Mr. Wm. L. Morris* for Continental Varnish Company.

*Mr. E. T. Fenwick* and *Mr. C. R. Allen* for The Alabastine Company.

Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

ROBB, *J.*:

Appeal from a decision of the Patent Office in a trade-mark opposition proceeding denying appellant's application for the registration of the word "Opaline" as a trade-mark "for varnishes and finishes in the nature of a paint", on the ground that the word is descriptive.

The opposer applies the same mark on mixed paints which the tribunals of the Patent Office have found, and in that finding we concur, may be and have been used for substantially the same purpose as appellant's product. Opposer therefore is in a position to object to the registration of this word. The Standard Dictionary defines "opaline" as "pertaining to or possessing the qualities of the opal; * * * possessing the milky irridescence of the opal; opalescent." The following illustrative quotation is then given: "Sea and sky and meadow were taking a hundred *opaline* tints from the reflection of the sunset." Prudence Palfrey Aldrich, p. 212. (1874).

Under section 5 of the Trade-Mark Act of 1905, (33 Stat. 724) no mark is registrable consisting "merely in words or devices which are descriptive of the goods with which they are used, *or of the character or quality of such goods.*" As we many times have ruled, the obvious purpose of this provision is to prevent a monopoly of words either aptly descriptive or aptly suggestive of the char-

acter or quality of the goods to which they are to be applied. Here there can be no doubt that, to the general public, the use of the word "Opaline", as applied to "varnishes and finishes in the nature of a paint", would signify the character or quality of such goods, and hence that the word is not registrable.

The decision is affirmed.

Affirmed.

## Court of Appeals of the District of Columbia.

CARLEY *v.* MATTHES.

*No. 1,751. Decided June 1, 1925.*

REISSUES—ENLARGEMENT OF ORIGINAL CONCEPTION.

The original conception and disclosure, as determined by an original application, may not be enlarged through a reissue application, so as to include the independent work of a later inventor.

APPEAL from Patent Office. Affirmed.

*Mr. Frank B. Fox* for Carley.

*Mr. C. M. Nissen* and *Mr. A. J. Crane* for Matthes.

Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

ROBB, *J.*:

Appeal from a decision of the Patent Office in an interference proceeding sustaining the contention of the party Matthes that the party Carley has no right to make the claims of the issue, and awarding priority to Matthes.

The invention is simple and relates to wire clamps for supporting trolley wires. The single count of the issue reads as follows:

A wire clamp comprising a supporting member, means to secure the member to a support or hanger, clamping means to engage and support a conductor and having a pivotal engagement with the supporting member, a collar movable relatively to the supporting member and clamping means when rotated relatively thereto to move the collar into and out of engagement with the clamping means to operate the clamping means, means on the clamping means to engage the collar to prevent the disengagement of the clamping means, means interposed between the collar and supporting member after assembly of the above parts to maintain the parts against separation.

After the patent to Matthes had issued, Carley filed an application for the reissue of his Patent No. 1,382,620, inserting in the reissue application the claim of the issue. The Examiners in Chief and the Assistant Commissioner, in separate decisions, have successively held that there was no basis in the original patent to Carley for this claim. Both the specification and drawing of the reissue application materially differ from the original specification and drawing. In other words, this clearly is an attempt through a reissue application to enlarge the original conception and disclosure, so as to include the independent work of a later inventor. This may not be done. *Railway Co. v. Sayles*, 16 O. G. 243; 1879 C. D. 349; 98 U. S. 554; *Cooper v. Downing*, 230 O. G. 909; 1916 C. D. 227; 45 App. D. C. 345; *Moneyweight Scale Co. v. Toledo Computing Scale Co.*, 170 O. G. 928; 1911 C. D. 504; 187 Fed. 826. It is not what a reissue applicant may not claim to have invented, after seeing the work of a later inventor, but what he has described and disclosed in his original application. *Schmidt v. Clark*, 138 O. G. 768; 1909 C. D. 280; 32 App. D. C. 290.

For the reasons fully stated by the Board and the Assistant Commissioner, we affirm the decision.

Affirmed.

## Court of Appeals of the District of Columbia.

IN RE WILLIAMS.

*No. 1,747. Decided June 1, 1925.*

ANTICIPATION.

Decision of Patent Office rejecting claims affirmed.

APPEAL from Patent Office. Affirmed.

*Mr. J. H. Milans, Mr. C. T. Milans,* and *Mr. A. M. Belfield* for Williams.

*Mr. T. A. Hostetler* for the Commissioner of Patents.

Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

PER CURIAM:

Appeal from a decision of the Patent Office rejecting claims 1 to 8 and 10 to 14, inclusive, of an application for patent covering an improvement upon appellant's prior patent No. 831,815, the improvement consisting of a dummy or peg upon which the separable member of the pot-head connecter may be placed when disconnected, and a cap which fits either the body portion of the pot-head connecter or the dummy, so that the cap and the separable member are interchangeable.

The Examiner disallowed all the claims then in the application. The Examiners in Chief, after considering the references, said:

The only thing which is not disclosed in the references is the idea of making the cap and the detachable element of the pothead interchangeable between the fixed element of the pothead and the dummy. If there is any invention in this it is small but we are disposed to give appellant the benefit of the doubt, in the absence of any reference.

They therefore allowed one claim and disallowed the others. On appeal the Assistant Commissioner affirmed the Board "for the reasons set out in the decisions below." For the same reasons, we affirm the decision of the Assistant Commissioner.

Affirmed.

## Court of Appeals of the District of Columbia.

MANN AND BOHN *v.* LEGLER, JR., AND KOHL.

*No. 1,746. Decided June 1, 1925.*

INTERFERENCE—REDUCTION TO PRACTICE—DELAY—ABANDONMENT.

Where the senior parties conceived the invention, a saxophone, and embodied it in an instrument which would produce music more than two years prior to the entry of the junior parties into the field, *Held* that the instrument constituted a reduction to practice, and while delay on the part of the senior parties in filing their application was a circumstance to be considered the facts that they did not secrete their invention, were not spurred into activity by the entry of the junior parties into the field, and finally filed their application on the construction shown in this embodiment negatived abondonment.

APPEAL from Patent Office. Affirmed.

*Mr. J. H. Milans, Mr. C. T. Milans,* and *Mr. A. M. Belfield* for Mann et al.

*Mr. L. L. Townsend* for Legler et al.



Before MARTIN, C. J., ROBB, J., and VAN ORSDEL, J.

ROBB, *J.*:

Appeal from a decision of the Patent Office in an interference proceeding awarding priority to the senior parties.

The invention relates to an alleged musical instrument or modified form of saxophone. The Examiner of Interferences found that the senior parties conceived the invention and embodied it in an instrument (Exhibit A), as early as April of 1918, more than two years prior to the entry of the junior parties into the field. This finding was adopted by the Examiners in Chief and the Commissioner and is not seriously challenged.

The Examiner, after reviewing the evidence relating to this exhibit and finding it was possible to produce music from that instrument, ruled that the delay in filing an application justified him in holding that it was no more than an abandoned experiment and not a reduction to practice. The Board declined to accept this finding and held that, while the delay was a circumstance to be considered, the fact that the inventors did not secrete their invention, were not spurred into activity by the entry of the junior parties into the field, and finally filed their application on the construction shown in this Exhibit A, negatived abandonment. They further found that this exhibit constituted a reduction to practice. The Commissioner, putting aside all other questions raised, ruled that the proofs of the junior parties established no date of conception prior to 1920 and that, for the reasons stated by the Board, reduction to practice in April of 1918 was shown by the senior parties, to whom he therefore awarded priority.

For the reasons fully stated by the Board, we affirm the decision. See *Lederer v. Walker*, 182 O. G. 511, 1912 C. D. 500, 39 App. D. C. 122; and *Hubbard v. Berg*, 195 O. G. 460, 1913 C. D. 460, 40 App. D. C. 577.

Affirmed.

## PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

809,582, H. Robinson, Machine for peeling vegetables; 942,932, same, Vegetable paring machine, July 29, 1925, final consent decree for plaintiff; writ of injunction issued July 31, 1925, D. C. Mass., Doc. E 1406, *Imperial Machine & Foundry Corp. v. Wrought Iron Range Co.*

871,735, J. Rashkin, Door for elevator shafts, suit filed Mar. 7, 1922, D. C., S. D. N. Y., Doc. E 23/173, *The Peelle Co. v. Philadelphia Fire Retardant Co. et al.* Final decree sustaining patent and granting injunction (notice dated Aug. 11, 1925).

885,986, G. S. Mason, Sign letters, bill dismissed July 8, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1160, *G. L. Mason Co. v. W. E. Cochrane et al.*

895,923, H. E. White, Apparatus for expanding slitted metal, case dismissed June 20, 1925, D. C., N. D. Ohio (E. Div.), Doc. 812, *General Fireproofing Co. v. Truscon Steel Co. et al.*

942,932. (See 809,582.)

958,478, W. E. Davey, Process of reenforcing trees, suit filed July 13, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4992, *The Davey Tree Expert Co. v. E. Brennan.*

1,000,390, T. Fanta, Undershirt, suit filed Aug. 10, 1925, D. C., S. D. N. Y., Doc. E 33/37, *Earnshaw Knitting Co. v. Rubens & Marble, Inc.*

1,055,998, Allis and Wiens, Fly killer, suit filed Aug. 7, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4743, *L. Allis v. Ludwig & Ludwig.* (To correct error in OFFICIAL GAZETTE, July 28, 1925, page 757, under 1,055,988.)

1,104,589, Ward and Taylor, Gear-grinding machine; 1,155,532, F. A. Ward, Machine for grinding splined shafts; 1,271,495, same, Method of grinding spline shafts, etc.; 1,273,016, same, Splined shaft, case dismissed without prejudice Apr. 30, 1925, D. C., N. D. Ohio (E. Div.), Doc. 814, *The Gear Grinding Machine Co. v. Gear Grinding Machine Co.*

1,129,825, F. J. Widman, Boiler furnace, suit filed July 15, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4995, *W. J. McMillan v. The Burke Furnace Co. et al.*

1,155,532. (See 1,104,589.)

1,166,020, E. B. Tolman, jr., Auxiliary change-speed device, suit filed July 21, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5007, *E. B. Tolman, jr., v. The Sieg Co. et al.* (*Sieg-Warford Co.*).

1,235,680, A. Greco, Device and method of canning beans, patent held valid and infringed, injunction issued, defendants also enjoined from infringing Patent 1,464,829 and making use of device (notice dated Aug. 6, 1925), D. C., N. D. Calif., Doc. E 1307, *L. Oneal v. San Jose Canning Co.*

1,237,434, W. E. Williams, Steel box car, suits filed July 8, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4965, *W. E. Williams v. The New York Central Railroad Co.*, and Doc. 4966, *W. E. Williams v. The Michigan Central Railroad Co.*, and Doc. 4967, *W. E. Williams v. Cleveland, Cincinnati, Chicago and St. Louis Ry. Co.*

1,268,306, P. J. Wentworth, Folding machine; 1,278,490, J. E. McIntire, same; 1,322,591, same, Machine for wiping out bindings, final decree and issuance of a perpetual injunction enjoining defendants (notice dated Aug. 6, 1925), D. C., W. D. N. Y., Doc. 459-c, *P. R. Glass Co. v. The Menihan Co. et al.*

1,271,495. (See 1,104,589.)

1,272,883, H. Adelmann, Ham boiler, suit filed July 8, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4968, *Ham Boiler Corp. v. A. Rispel et al.*

1,273,016. (See 1,104,589.)

1,278,490. (See 1,268,306.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed July 22, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5010, *The Bassick Mfg. Co. v. C. & G. Mfg. Co. et al.*

1,307,734. (See 1,307,733.)

1,322,591. (See 1,268,306.)

1,336,979, A. B. Plummer, Orthopedic pad, suits filed July 22, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5008, *Nature Tread Co.* v. *Normal Foot Tread Co.*, and Doc. 5009, *Nature Tread Co.* v. *Foot Remedy Co.*

1,342,894, L. W. Bugbee, Illuminating apparatus; 1,385,162, E. D. Tillyer, Motion-picture-projection apparatus; 1,434,268, same, Illuminating and projection apparatus, suit filed July 28, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5015, *The American Optical Co. et al* v. *The De Vry Corp.*

1,360,256, 1,528,178, E. Anderson, Can opener, suit filed Aug. 6, 1925, D. C., N. D. N. Y., Doc. 692, *Star Can Opener Co.* v. *Owen Dyneto Co.*

1,385,162. (See 1,342,894.)

1,390,918, D. J. McFarland, Mold-board anchor, claims 1 and 3 held not infringed (notice dated Aug. 6, 1925), D. C., N. D. Calif., Doc. E 1260, *D. J. McFarland v. Hommel Mfg. Co. et al.*

1,411,543, 1,417,706, H. E. White, Metal-expanding machine, case dismissed June 20, 1925, D. C., N. D. Ohio (E. Div.), Doc. 811, *The General Fire Proofing Co.* v. *Truscon Steel Co.*

1,417,706. (See 1,411,543.)

1,434,268. (See 1,342,894.)

1,464,829. (See 1,235,680.)

1,469,712, F. F. Beeby, Process of conserving and repairing chimneys; 1,484,862, same, Chimney, suit filed Aug. 10, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1609, *Cement Gun Construction Co.* v. *Cement Gun Co., Inc., et al.*

1,481,006, L. Hammond, Process of and apparatus for stereoscopic shadowgraphs, suit filed July 27, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5014, *L. Hammond* v. *M. Stoltz.*

1,484,265, Hird and Hird, jr., Hydraulic jack, final decree, (notice dated Aug. 5, 1925), D. C., W. D. Wash. (N. Div.), Doc. E 431, *Ideal Machinery Co.* v. *Ballou & Wright, Inc.*

1,484,862. (See 1,469,712.)

1,490,567, Kleinsteuber and Hayes, Automatic traffic signal, suit filed July 31, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5024, *H. A. Kleinsteuber et al.* v. *City of Chicago et al.*

1,519,934, C. T. Ross, Poster, suit filed Aug. 6, 1925, D. C., S. D. N. Y., Doc. E 33/29, *C. T. Ross* v. *J. Rauch, Inc. et al.*

1,522,902, F. S. Oppenheim, Container, final consent decree sustaining patent and granting injunction (notice dated Aug. 10, 1925), D. C., S. D. N. Y., Doc. E 32/381, *F. S. Oppenheim et al.* v. *Stanwood Electric Specialty Co.*

1,528,178. (See 1,360,256.)

Re. 14,337, R. W. Crocker, Process of packing cooked foods and products of the same, suit filed July 7, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4963, *R. W. Crocker* v. *Gorton Pew Fisheries Co., Ltd. et al.*

T. M. 45,846, Steinway & Sons, Musical instrument, suit filed July 13, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4993, *Steinway & Sons* v. *Steinway Radio Corp.*

Des. 60,878, Pardee, Dewire and Suporter, Radiator cap, suit filed July 31, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5023, *Miller & Pardee, Inc.* v. *The Norlipp Co. et al.*

Des. 67,003, W. Abrams, Lamp base, suit filed July 8, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4964, *Advance Parcholite Corp.* v. *Standard Novelty & Lamp Co.*

## Interference Notices.

U. S. PATENT OFFICE, *Washington, Oct. 15, 1925.*

*Arondack Spring Company, its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of David J. Fitzgerald, jr., 32 Glen Street, Glens Falls, N. Y., for registration of a trade-mark and trade-mark registered October 9, 1906, No. 56,581, to Arondack Spring Company, Saratoga Springs, N. Y., and a notice of such declaration sent by registered mail to said Arondack Spring Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Arondack Spring Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Oct. 7, 1925.*

*The R. & H. Manufacturing Company, its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of The Columbus Vending Company, 2006 East Main Street, Columbus, Ohio, for registration of a trade-mark and trade-mark registered June 30, 1914, No. 98,089, to The R. & H. Manufacturing Company, corner of Asylum and Spruce Streets, Hartford, Conn., and a notice of such declaration sent by registered mail to The R. & H. Manufacturing Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said The R. & H. Manufacturing Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Sept. 29, 1925.*

*Polydyne Corporation, its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of the Polymet Manufacturing Corporation, 599 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered October 14, 1924, No. 190,597, to the Polydyne Corporation, 248 West Fourteenth Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Polydyne Corporation at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Polydyne Corporation, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

# TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 27, 1925.

[VOL. 339. No. 4.]

**The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.**

**Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.**

**As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.**

Ser. No. 164,755. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. A. FERRIS & COMPANY, New York, N. Y. Filed June 1, 1922.

The color of the band is blue and the outline is disclaimed apart from the other features of the mark as shown.

*Particular description of goods.*—Smoked Ments Such as Hams.

*Claims use* since Oct. 1, 1889.

Ser. No. 177,574. (CLASS 43. THREAD AND YARN.) SOCIETE EN COMMANDITE MAURICE FRINGS & CIE., Paris, France. Filed Mar. 16, 1923.

*Particular description of goods.*—Cotton Thread.

*Claims use* since Dec. 23, 1864.

Ser. No. 181,202. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARTÍ Y GUTIÉRREZ, Alcala de Guadaira, Seville, Spain. Filed May 26, 1923.

All wording on the drawing except in the particular association shown is hereby disclaimed.

*Particular description of goods.*—Olive Oil.

*Claims use* since February, 1918.

Ser. No. 185,815. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE COLD BLAST FEATHER COMPANY, Philadelphia, Pa. Filed Sept. 15, 1923.

No claim is made to the words "No Odor," "No Dust," "No Quills," aside from the mark as shown.

*Particular description of goods.*—Sheets, Pillowcases, Bedspreads, Comforters, Quilts, and Blankets of Wool, Cotton, or Mixtures of the Same.
*Claims use* since September, 1884.

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Ser. No. 187,415. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FROSTPROOF CITRUS GROWERS ASSN., Frostproof, Fla. Filed Oct. 24, 1923.

CROW.

*Particular description of goods.*—Citrous Fruits in their Natural State.
*Claims use* since September, 1918.

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Ser. No. 190,710. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIÉTÉ ANONYME LABORATOIRE DE PHYSIOLOGIE DU PUITS D'ANGLE, Le Puits D'Angle, par le Chesnay, France. Filed Jan. 11, 1924.

DYSPEPTINE

*Particular description of goods.*—Pharmaceutical Product Composed of Gastric Secretions Derived from the Stomachs of Live Pigs and Serving for the Treatment of Ills of the Stomach at the Same Time Aiding in Digestion.
*Claims use* since 1903.

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Ser. No. 194,986. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) OTTO EISENLOHR & BROS. INCORPORATED, Philadelphia, Pa. Filed Apr. 4, 1924.

Cinco

*Particular description of goods.*—Articles and Devices for Smokers—Namely, Cigar Holders, Cigarette Holders, Pipes, Ash Receivers, Tobacco Pouches, Humidors, and Cigarette Paper.
*Claims use* since Feb. 9, 1924.

Ser. No. 195,728. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) OLIVER C. RITZ-WOLLER, doing business as American Automatic Devices Company, Chicago, Ill. Filed Apr. 17, 1924.

KING BEE

Trade-Mark "King Bee."
*Particular description of goods.*—Step Plates for Running Boards of Automobiles, Kick or Scuff Plates for Automobiles, and Body or Protection Rails for Automobiles.
*Claims use* since May 1, 1921.

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Ser. No. 196,457. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIRSCH BROTHERS CO., Chicago, Ill. Filed May 2, 1924.

CHOCOLA

*Particular description of goods.*—Mixture for Making Meringues, Icings, Candy, and Confectionery.
*Claims use* since Apr. 14, 1911.

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Ser. No. 196,730. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARIANO DEMINICO, Boston, Mass. Filed May 8, 1924.

*Particular description of goods.*—Olive Oil.
*Claims use* since Dec. 1, 1923.



Ser. No. 197,065. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE DE LONG HOOK AND EYE COMPANY, Philadelphia, Pa. Filed May 15, 1924.

Vanitie

The picture shown in the drawing is fanciful.
*Particular description of goods.*—Wire Hair Pins.
*Claims use* since May 6, 1924.

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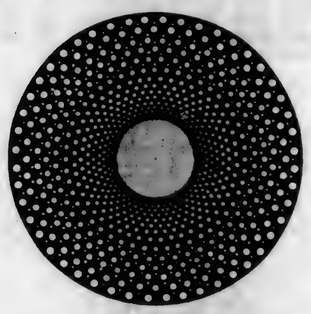
Ser. No. 197,701. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WERNER E. BRAMIGK, doing business as Kraftstudio, Detroit, Mich. Filed May 28, 1924.



KRAFTSTUDIO

*Particular description of goods.*—Bronze Powders, Bronze Liquids, Kraft Gesso (Putty), Indelible Mixtures (Vehicles for Oil Colors to be Used on Cloth), Linseed Oil, Oil Colors, Paints (Dry, Paste, and Ready Mixed), Paint Enamels, Turpentine, Prepared Shellac, Alcohol Stains, Oil Stains, and Water Stains (Adapted to be Applied as Paints), and Liquids and Powders to Produce Such Stains.
*Claims use* since Mar. 15, 1923.

Ser. No. 199,587. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THREE GIRLS HOME FOOD PRODUCTS, Brooklyn, N. Y. Filed July 3, 1924.

*Particular description of goods.*—Mayonnaise Dressing.
*Claims use* since June 12, 1924.

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Ser. No. 200,508. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATIONAL DEPARTMENT STORES INC., New York, N. Y. Filed July 25, 1924.

NADSCO

*Particular description of goods.*—Silks and Pile Fabrics in the Piece; Wilton, Axminster, and Brussels Rugs and Draperies in the Piece; Cotton and Woolen Blankets, Linen and Cotton Piece Goods, Woolen Piece Goods, and Silk and Cotton Linings in the Piece.
*Claims use* since Apr. 10, 1924.

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Ser. No. 200,531. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) S. S. SPENCER CO., St. Paul and Minneapolis, Minn. Filed July 25, 1924.

S. S. SPENCER CO.
SPENCER Standardized SERVICE

The lining in the drawing indicates the color gold. The words "Standardized Service," "Spencer," and "S. S. Spencer Co.," are disclaimed apart from the mark shown.
*Particular description of goods.*—Bath and Laundry Tubs, Lavatories, Sinks, Water-Closet Tanks, Water-Closet Bowls, Water-Closet Seats, Urinals, Shower-Bath Fixtures, Bath Cocks; Combination Shower, Lavatory, Sink, and Tub Fixtures; Sink Faucets, Sill Faucets, Lavatory Faucets, Boiler Drain Faucets, Stop and Waste Cocks; Lavatory and Sink, Bath, Shower, Laundry Tub.

and Urinal Traps; Flush Valves, Radiator, Gate, Globe, Angle, and Check Valves; Iron, Porcelain, Brass, and China Drinking Fountains; Hose Racks, Shower-Stall Receptors, and Septic Tanks.

*Claims use* since October, 1918.

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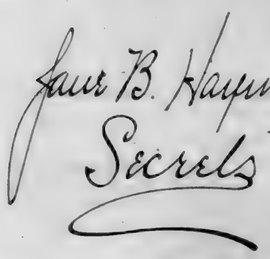
Ser. No. 200,557. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JANE B. HAYWARD, Babylon, N. Y. Filed July 26, 1924.




Applicant disclaims exclusive right to the words "Jane B. Hayward" apart from the marks shown.

*Particular description of goods.*—Perfumes.

*Claims use* since May 1, 1924.

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Ser. No. 201,503. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) METAL & THERMIT CORPORATION, New York, N. Y. Filed Aug. 16, 1924.

THERMALIN

*Particular description of goods.*—Enameling Compound for Ceramic Ware.

*Claims use* since on or about January 29, 1924.

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Ser. No. 201,512. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RINDEMAN-SALINGER CO., New York, N. Y. Filed Aug. 16, 1924.

TICKING

The word "Ticking" is disclaimed apart from the mark as shown on the drawing.

*Particular description of goods.*—Textile Fabrics in the Piece.

*Claims use* since February, 1923.

Ser. No. 201,570. (CLASS 38. PRINTS AND PUBLICATIONS.) LIVE STOCK EXCHANGE INC., Des Moines, Iowa. Filed Aug. 18, 1924.

*Particular description of goods.*—Printed Circulars and Publications Printed at Irregular Intervals.

*Claims use* since Aug. 1, 1923.

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Ser. No. 201,807. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS. GENERAL LEATHER COMPANY, Newark, N. J. Filed Aug. 28, 1924.

*Particular description of goods.*—Leather.

*Claims use* since early in July, 1924.



Ser. No. 202,013. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BEULAH LOUISE HENRY, New York, N. Y. Filed Aug. 29, 1924.

No claim is made to the representation of the applicant's goods as to the phrase "The Sponge that Takes the Cake" apart from the mark shown.

*Particular description of goods.*—Soap Sponges.

*Claims use* since May, 1924.

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Ser. No. 202,690. (CLASS 37. PAPER AND STATIONERY.) A. S. BLYANTFABRIKEN VIKING, Copenhagen, Denmark. Filed Sept. 17, 1924.

VITRUVIUS

*Particular description of goods.*—Pencils.

*Claims use* since August, 1924.

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Ser. No. 202,846. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSUMERS PRODUCTS CO., Brooklyn, N. Y. Filed Sept. 23, 1924.

No claim is made for the word "Brand" apart from the mark shown on the drawing.

*Particular description of goods.*—Malt Sirup Non-alcoholic—i. e., containing less than one-half of one per cent of Alcohol for Food Purposes.

*Claims use* since May 14, 1920.



Ser. No. 202,869. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) HARTMAN FURNITURE & CARPET CO., Chicago, Ill. Filed Sept. 22, 1924.

No claim is made to the words "Hartman's" and "Colonial Dinnerware" apart from the mark as shown.

*Particular description of goods.*—Chinnaware and China Dinner Sets.

*Claims use* since Aug. 15, 1924.

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Ser. No. 203,050. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OLIVER MUNDELL, Post, Tex. Filed Sept. 25, 1924.

O. K.

*Particular description of goods.*—Bluing.

*Claims use* since July 1, 1924.

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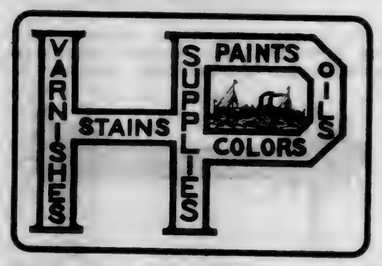
Ser. No. 203,142. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HENRY PETERMAN, Brooklyn, N. Y. Filed Sept. 27, 1924.




No claim is made to the words "Varnishes," "Paints," "Stains," "Oils," and "Supplies" apart from the mark as shown.

*Particular description of goods.*—Ready-Made Paints; Oils Used in the Manufacture of Paints, Stains, and Varnishes.

*Claims use* since about Feb. 15, 1923.

Ser. No. 203,265. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARTIN GILBERT, Reedley, Calif. Filed Oct. 1, 1924.

Jack Rabbit

*Particular description of goods.*—Fresh Grapes, Pears, Plums, Peaches, Cherries, Apricots, and Persimmons.
*Claims use* since 1911.

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Ser. No. 203,804. (CLASS 16. PAINT AND PAINTERS' MATERIALS.) FELDMANN FINE ARTS CO., St. Louis, Mo. Filed Oct. 13, 1924.

PLASTI CHROME

*Particular description of goods.*—Art Materials—Namely, Bronze Powders, Ready-Mixed Oil Paints, Paint Colors, and Paint Pigments.
*Claims use* since Aug. 15, 1924.

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Ser. No. 204,096. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GOYER COMPANY, Greenville, Miss. Filed Oct. 18, 1924.

AN HONEST COFFEE

No claim is made to the phrase "An Honest Coffee" apart from the mark as shown nor to the colored lines on drawing. The portrait shown is that of George Washington, the first President of the United States.
*Particular description of goods.*—Coffee.
*Claims use* since 1895.

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Ser. No. 204,724. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SAN FRANCISCO ASSOCIATION FOR THE BLIND, San Francisco, Calif. Filed Nov. 1, 1924.

*Particular description of goods.*—All Types of Brooms Using Broom Corn—Namely, Janitor's Brooms, Parlor Brooms, Mill Brooms, Hearth Brooms, Hotel Brooms, and Whisk Brooms; and Brushes—Namely, Clothes Brushes, Hairbrushes, Nailbrushes, and Scrub Brushes.
*Claims use* since 1916.

Ser. No. 204,910. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. S. HOFFMAN COMPANY, Chicago, Ill. Filed Nov. 6, 1924.

No claim is made to the word "Hoffman's" apart from the mark as shown on the drawing.
*Particular description of goods.*—Sausage.
*Claims use* since May 1, 1921.

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Ser. No. 205,117. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRIFFIN MANUFACTURING CO. INC., New York, N. Y. Filed Nov. 11, 1924. Under ten-year proviso.

GRIFFIN

Rapid Black

DYE

*Particular description of goods.*—Dye for Leather.
*Claims use* since 1890.

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Ser. No. 205,742. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CERTIFIED LABORATORY PRODUCTS INC., Glendale, Calif. Filed Nov. 24, 1924.

The shade lines in the drawing indicate the color blue.
*Particular description of goods.*—Chemical Gases Specifically Nitrous Oxide Gas, Fat Solvents Specifically Alcohol.
*Claims use* since November, 1922.



Ser. No. 205,961. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SOUTHARD ROBERTSON COMPANY, Peekskill and New York, N. Y. Filed Nov. 28, 1924.

MAGNETIC

*Particular description of goods.*—Heaters, Stoves, and Ranges in Which Coal Gas or Other Fuel is Burned.
*Claims use* since Apr. 15, 1895.

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Ser. No. 206,922. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUSSIAN AMERICAN FISH PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 18, 1924.

*Particular description of goods.*—Canned Caviar.
*Claims use* since Dec. 1, 1923.

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Ser. No. 207,348. (CLASS 17. TOBACCO PRODUCTS.) GALLAHER LIMITED, Belfast, Ireland. Filed Dec. 29, 1924.

ROTARY

*Particular description of goods.*—Smoking, Chewing, and Snuffing Tobacco, Cigars and Cigarettes.
*Claims use* since Dec. 1, 1906.

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Ser. No. 208,049. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HALLIWELL ELECTRIC CO., INC., New York, N. Y. Filed Jan. 13, 1925. Under section 5b, act of 1905, as amended 1920.

*Particular description of goods.*—Massage Machines and Violet-Ray Apparatus.
*Claims use* since 1922.

Ser. No. 209,185. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK MOSCA INC., Brooklyn, N. Y. Filed Feb 5, 1925.

No claim is made to the exclusive use of the word "Quality" apart from the mark as shown on the drawing.
*Particular description of goods.*—Canned Food Products—viz, Peas, Corn, String Beans, and Tomatoes.
*Claims use* since Sept. 10, 1924, on peas, three grades; since Oct. 10, 1924, on corn, two grades; since Oct. 15, 1924, on string beans, two grades; and Nov. 10, 1924, on tomatoes, two grades.

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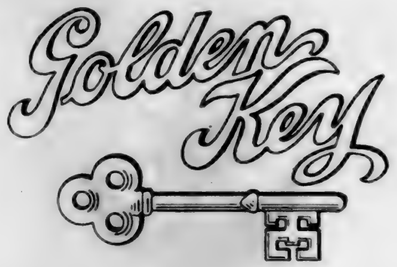
Ser. No. 209,402. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT AMERICAN TEA COMPANY, Brooklyn, N. Y. Filed Feb. 11, 1925.




*Particular description of goods.*—Tea, Coffee, Rice, Marshmallow Cream, Vanilla Extracts for Flavoring Foods, and Food-Flavoring Extracts; Macaroni, Noodles, and Spaghetti; Chocolate and Cocoa and Cornstarch and Shredded Coconut; Jelly Powders—viz, Orange, Strawberry, Raspberry, Cherry, and Lemon; Peanut Butter, Paprika, Nutmeg, and Spices, and Pie Fillers and Shortening Compound.
*Claims use* in relation to tea since 1908; coffee since July 20, 1924; rice since Aug. 1, 1924; marshmallow cream, Aug. 28, 1924; vanilla extracts for food-flavoring foods and food-flavoring extracts, macaroni, noodles, spaghetti, chocolate, and cocoa and cornstarch and shredded coconut since Sept. 2, 1924; jelly powder—viz, orange, strawberry, raspberry, cherry, and lemon since Sept. 2, 1924; peanut butter since Sept. 22, 1924; paprika, nutmeg, spices, and pie fillers and shortening compound since Oct. 1, 1924.

Ser. No. 210,429. (CLASS 39. CLOTHING.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed Mar. 3, 1925.

*Particular description of goods.*—Men's, Youths', and Boys' Coats, Vests, Trousers, and Overcoats, Straw, Felt, and Textile Hats and Caps, Outer Shirts of All Kinds, Textile Collars and Cuffs, Sweaters, Overalls; Men's, Women's, and Children's Hosiery, Bath Robes, and Bathing Suits, Nightshirts, Pyjamas; Gloves of Leather, Rubber, Fabric, and Combinations Thereof, Knitted and Woven Underwear in One, Two, and Three Piece Garments; Ladies', Misses', and Children's Coats, Cloaks, Raincoats, Outer Skirts, and Trimmed Hats, Fur Jackets, Capes, Muffs, Fur Coats, Fur Sets, and Head and Shoulder Scarfs; Ladies' Shirt Waists, Underskirts, Corsets, Corset Waists, Dresses, Kimonos, and Wrappers; Men's, Women's, and Children's Leather, Canvas, and Rubber Boots, Shoes, and Slippers; Aprons, Suspenders, Belts for Personal Wear, Bibs, Bloomers, Boas, Bodices, Brassières, Camisoles, Chemises, Cravats, Dusters, Garters, Shawls, Jumpers, Mackinaws, Mufflers, Neckties, Raincoats, Smoking Jackets, Sport Coats, Bathing Suits, Ulsters, Wrappers, Wrist Bands, and Leggings.
*Claims use* since October, 1894.

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Ser. No. 210,557. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED FRANK HRUSHKA, doing business as Shaver Root Co., Wagner, S. Dak. Filed Mar. 5, 1925.

*Particular description of goods.*—Salve for Treating Eczema and Diseases of the Scalp and Skin.
*Claims use* since Oct. 11, 1924.

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Ser. No. 210,777. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALASKA SALMON COMPANY, San Francisco, Calif. Filed Mar. 10, 1925.

MARINERS FLAG

*Particular description of goods.*—Canned Salmon.
*Claims use* since about 1901.

Ser. No. 211,105. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH F. HREJSA, Chicago, Ill. Filed Mar. 16, 1925.

*The Pill with the will*

*Particular description of goods.*—Pills for Constipation.
*Claims use* since Nov. 7, 1918.

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Ser. No. 211,127. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. G. SCOVILLE SONS COMPANY, Ogden, Utah. Filed Mar. 16, 1925.

*Particular description of goods.*—Talcum Powder, and Preparations for the Treatment of Pyorrhea of the Teeth, Stomach Trouble, Rheumatism, Piles, Disorders of the Bowels, and Eczema.
*Claims use* since Aug. 21, 1923.

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Ser. No. 211,172. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MABLO-WERKE G. M. B. H., Bad Schwartau, near Lubeck, Germany. Filed Mar. 17, 1925.

MABLO

*Particular description of goods.*—Marchpane.
*Claims use* since January, 1924.

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Ser. No. 211,204. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) "FRIEND" MANUFACTURING CO., Gasport, N. Y. Filed Mar. 18, 1925.

"AIR-DRAFT"

*Particular description of goods.*—Insecticide Sprayers and Parts Therefor.
*Claims use* since 1916.



Ser. No. 211,290. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) RICHARD PARKER PICKERING, Chicago, Ill. Filed Mar. 19, 1925.

*Siphonette*

*Particular description of goods.*—Combined Bottle Opener and Nozzle.
*Claims use* since Dec. 8, 1924.

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Ser. No. 211,453. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRAND & COMPANY, LIMITED, London and Leicester, England. Filed Mar. 23, 1925.

BRAND'S

*Particular description of goods.*—Meat Extracts, Meat Essences, Canned and Bottled Soups, Canned and Bottled Broths, Table Jellies, Turtle Soup, Turtle-Soup Cubes, Turtle Jelly, Preserved Turtle Meat, Sun-Dried Turtle Meat; Herbs Used in the Preparation of Turtle Meat—i. e., Turtle Herbs; Invalid Food Preparations, Canned Fish; Tinned and Bottled Cooked Meats—Namely, Beef, Pork, Mutton, and Tongue; Tinned and Bottled Poultry, Tinned and Bottled Meat Pastes and Fish Pastes, Tinned and Bottled Game Preparations, Tinned and Bottled Vegetable Preparations, Tinned and Bottled Meat and Vegetable, Game and Vegetable, and Poultry and Vegetable Preparations; Sausages, Fruit Sauces and Thick Sauces Used as Condiments and Vegetable and Pickle Relishes, Worcestershire Sauce, Mayonnaise Sauce; Catchups—Namely, Tomato Catchup, Mushroom Catchup, and Walnut Catchup; Mango Chutney, Tomato Chutney, Indian Chutney; Condiments—Namely, Herbs, Spices, Peppers, Celery Salt, and Curry Powder; Flavoring Essences for Food Purposes, Essence of Rennet, Browning for Gravies, Olives, Capers, Preserved Cheese, Dessicated Coconut; Almonds (Candied, Salted, or in Their Natural State); Fruit Puddings, Edible Fats, Dripping Obtained from Meat, Olive Oil, and Salad Dressings.
*Claims use* since 1831.

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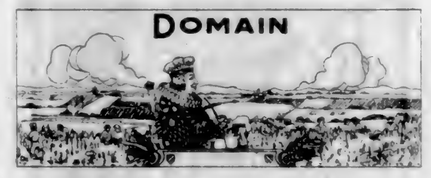
Ser. No. 211,540. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NEWBARK COMPANY, Kirkland, N. Y. Filed Mar. 24, 1925.

*Newbark*

*Particular description of goods.*—Compound for the Treatment and Repair of Trees.
*Claims use* since July 1, 1924.

Ser. No. 211,581. (CLASS 48. MALT BEVERAGES, EXTRACTS AND LIQUORS.) FIDELITY HOP & MALT COMPANY, Chicago, Ill. Filed Mar. 25, 1925.




*Particular description of goods.*—Malt Sirup for Beverage Purposes.
*Claims use* since Dec. 2, 1924.

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Ser. No. 211,583. (CLASS 48. MALT BEVERAGES, EXTRACTS AND LIQUORS.) FIDELITY HOP & MALT COMPANY, Chicago, Ill. Filed Mar. 25, 1925.

*Particular description of goods.*—Malt Sirup for Beverages.
*Claims use* since Oct. 15, 1920.

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Ser. No. 211,701. (CLASS 39. CLOTHING.) PEERLESS GLOVE COMPANY, Grand Haven, Mich. Filed Mar. 26, 1925.

*Particular description of goods.*—Gloves of Leather, Fabric, and Leather and Fabric.
*Claims use* since Jan. 1, 1925.

Ser. No. 211,956. (CLASS 37. PAPER AND STATIONERY.) MAX STARK, New York, N. Y. Filed Mar. 31, 1925.

The lines in the drawing indicate shading.
*Particular description of goods.*—Paper Products—Namely, Paper Mailing Envelopes, Paper Portfolios, and Paper Wallets.
*Claims use* since Aug. 1, 1921.

Ser. No. 211,974. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAMPBELL'S ICE CREAM FACTORY, LTD., Shreveport, La. Filed Apr. 1, 1925.

No claim is made for the words "Ice Cream" and "Purity" apart from the mark shown in the drawing.
*Particular description of goods.*—Ice Cream.
*Claims use* since May 1, 1912.

Ser. No. 212,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REINSCHILD CHEMICAL CO., New York, N. Y. Filed Apr. 1, 1925.

**Normoserin**

Trade-mark consists in the word "Normoserin."
*Particular description of goods.*—Sterile Serum Salt Prepared from Ion Analysis of Human-Blood Serum for Replenishing the Vascular System and the Heart After Loss of Blood and Collapse.
*Claims use* since Jan. 24, 1923.

Ser. No. 212,296. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSENBERG BROS. & CO., San Francisco, Calif. Filed Apr. 6, 1925.

**NORTHLAND**

*Particular description of goods.*—Dried Fruits—Namely, Dried Prunes.
*Claims use* since February, 1924.

Ser. No. 212,313. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AKTIEBOLAGET FORMATOR, Stockholm, Sweden. Filed Apr. 7, 1925.

**FORMATOR**

*Particular description of goods.*—Cigar and Cigarette Making Machines and Other Machines Pertaining to the Tobacco Industry, Packing Machines, Paraffin-Coating and Paraffin-Soaking Machines, Planting Machines, Machine Tools and Tool Bits Therefor, Particularly Thread-Cutting Tools, Screw Taps, and Chasers.
*Claims use* since 1910.

Ser. No. 212,346. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PATENT CEREALS COMPANY, Geneva, N. Y. Filed Apr. 7, 1925.

*Particular description of goods.*—Cooked and Uncooked White Corn Flakes.
*Claims use* since Mar. 1, 1924.

Ser. No. 212,517. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed Apr. 10, 1925.

**SAILOR BOY**

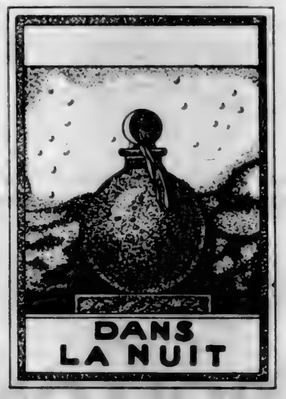
*Particular description of goods.*—Bread.
*Claims use* since Jan. 16, 1925.



Ser. No. 212,686. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MELVIN J. HORNBERGER, Youngstown, Ohio. Filed Apr. 14, 1925.

No claim is made to the words "White Ash Coal" except as associated with the mark shown.
*Particular description of goods.*—Coal.
*Claims use* since Jan. 19, 1925.

Ser. No. 212,802. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 16, 1925.




The picture of the bottle is disclaimed apart from the mark as shown.
*Particular description of goods.*—Perfumes and Hygienic Products—Namely, Cologne, Cologne Waters, Extracts, Toilet Waters, Aromatic Vinegars, Shampoos, Eye-drops, Astringents; Hair, Face, Hand, and Foot Lotions; Toilet Powders, Talcum Powders, Toilet Dusting Powders, Powder Sachet, Sachets, Bath Salts, Cold Creams, Compacts and Refills for Compacts, Face Packs, Smelling Salts, Skin Creams, Rouges, Lip Sticks, Eyebrow Pencils, Beauty Clay, Vanishing Creams, Facial Paints, and Skin Bleaches.
*Claims use* since Mar. 10, 1924.

Ser. No. 212,979. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif. Filed Apr. 18, 1925.

**CUB**

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
*Claims use* since 1922.

Ser. No. 212,989. (CLASS 37. PAPER AND STATIONERY.) AMERICAN SALES BOOK COMPANY, LIMITED, Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y. Filed Apr. 20, 1925.

**CONTINUOUS**

*Particular description of goods.*—Paper Sheets, Strips, and Rolls Suitable for Manifolding Use; Printed Forms for All Kinds of Business Transactions, Separate Paper Record Sheets or Strips Assembled Together in Pad Form; Record Pads Composed of Two or More Zigzag Folded Strips Assembled and Interengaging Each Other to Form a Manifolding Book or Pad of Superposed Record Leaves Providing a Flat, Compact, Record Supply Pad or Book for Autographic Registers, Typewriters, and Like Machines; Letter Sheets, Invoice Sheets, Billing Sheets.
*Claims use* since 1889.

Ser. No. 213,234. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY LEONARD GREENBAUM, doing business as Technical Color & Chemical Works, Brooklyn, N. Y. Filed Apr. 24, 1925.

**RED-DEVIL**

The lining of drawing represents the color red.
*Particular description of goods.*—Oxalic Acid, Bismarck Brown Aniline, Electric-Bulb Coloring, Denatured Alcohol, and Spray Perfume.
*Claims use* since May, 1917.

Ser. No. 213,244. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE LACKAWANNA LEATHER COMPANY, Hackettstown, N. J. Filed Apr. 24, 1925.

The wording is disclaimed apart from the mark shown.
*Particular description of goods.*—Hides.
*Claims use* since Dec. 8, 1924.

Ser. No. 213,412. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE UNITED STATES GRAPHITE CO., Saginaw, Mich. Filed Apr. 27, 1925.

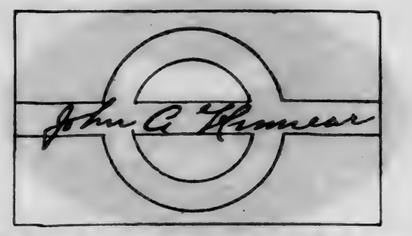
CORD IP

*Particular description of goods.*—Coating for Foundry Cores, the Particular Character of the Material Being That of a Powder From Which, by the Admixture of Water or Other Suitable Liquor, a Fluid is Made by the User. The Fluid is Adapted to be Applied to Foundry Cores Either by Dipping or Brushing.
*Claims use* since Apr. 17, 1925.

Ser. No. 213,494. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 29, 1925.

The picture of the bottle is disclaimed apart from the mark as shown.
*Particular description of goods.*—Talcum Powders, Face Powders, Toilet Dusting Powders, Powder Sachet, Bath Salts, Cold Creams, Compacts, Face Packs, Smelling Salts, Skin Creams, Rouges, Compacted Powder or Refills for Compacts, Lip Sticks, Eyebrow Pencils, Beauty Clay, Vanishing Creams, and Facial Paints, Perfumes, Cologne, Cologne Waters, Extracts, Astringents, Shampoos, Eyedrops, Toilet Waters, Aromatic Vinegars, Skin Bleaches; and Hair, Face, Hand, and Foot Lotions.
*Claims use* since Mar. 10, 1924.

Ser. No. 213,655. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN A. KINNEAR, Seattle, Wash. Filed May 1, 1925.




The name appearing on the mark is the signature of applicant and is disclaimed aside from the distinctive way in which it is written and its use with other features of the mark.
*Particular description of goods.*—Portable Bungalows.
*Claims use* since Mar. 1, 1925.

Ser. No. 213,745. (CLASS 39. CLOTHING.) REBECCA C. SKINNER, New York, N. Y. Filed May 2, 1925.

This is a Skinner

Applicant disclaims the use of the word "Skinner" except in the form shown. The word "Skinner" is in handwriting of the applicant.
*Particular description of goods.*—Women's Coats.
*Claims use* since Apr. 23, 1925.

Ser. No. 213,776. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESCONDIDO FRUIT GROWERS ASSOCIATION, Escondido, Calif. Filed May 4, 1925.

LIBERTY

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
*Claims use* since Jan. 16, 1909.

Ser. No. 213,869. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed May 5, 1925.

APOLLON

*Particular description of goods.*—Durum Wheat Flour.
*Claims use* since Feb. 17, 1923.



Ser. No. 213,881. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed May 6, 1925.

ADAMS PEPSIN-MINT GUM — The Original Chicle — PEPPERMINT FLAVOR

The lining on the drawing is intended to denote the colors red and green. Applicant disclaims exclusive right to the use of the words "Pepsin Mint Gum," "The Original Chicle Gum," and the representation of a label apart from the mark shown.
*Particular description of goods.*—Chewing Gum.
*Claims use* since April, 1925.

Ser. No. 213,939. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WAVERLY HEATING SUPPLY COMPANY, Boston, Mass. Filed May 6, 1925. Under ten-year proviso.

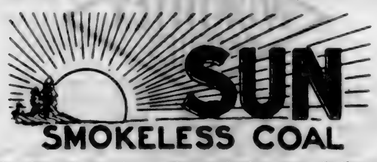
WAVERLY

*Particular description of goods.*—Coal and Gas Stoves, Ranges, and Furnaces.
*Claims use* since 1870.

Ser. No. 213,977. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES B. KNOBLOCK, Columbus, Miss. Filed May 7, 1925.

The words "Nature's Iron Compound" are disclaimed apart from the mark as shown.
*Particular description of goods.*—Stock Remedy for the Elimination of Worms, Remedy for Diarrhea, Colic, and Indigestion in General.
*Claims use* since Dec. 18, 1923.

Ser. No. 213,995. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SOUTHWESTERN COAL COMPANY, Amarillo, Tex. and Fort Smith, Ark. Filed May 7, 1925.




No claim is made to the exclusive use of the words "Smokeless Coal" apart from the mark as shown in the drawing.
*Particular description of goods.*—Coal.
*Claims use* since Mar. 5, 1925.

Ser. No. 214,024. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE LIVINGSTON CO., New Haven, Conn. Filed May 8, 1925.

I·C·U.

*Particular description of goods.*—Metal Polish, Nickel Polish, Hand Soap, Mohair Dressing, Neat's-Foot Compound, Leather Renovator, and Fabric Cleaner.
*Claims use* since 1912 on package containing metal polish, nickel polish, and hand soap; to packages containing fabric cleaner since 1921; and to packages containing mohair dressing, neat's-foot compound, and leather renovator since 1918.

Ser. No. 214,107. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TROPONWERKE DINKLAGE & CO., Koln-Mulheim, Germany. Filed May 9, 1925.

Protasin

*Particular description of goods.*—Milk Protein Preparation Acting as a General Stimulant in Cases Such as Arterial Sclerosis, Stomach Ulcers, Septic and Infectious Diseases, Gonorrhea, Post-Puerperal Sepsis, Tabes.
*Claims use* since May, 1913.

Ser. No. 214,178. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) "PROKA" PARFÜMERIE UND SEIFENFABRIKE A. G., Vienna, Austria. Filed May 11, 1925.

PROKA

*Particular description of goods.*—Perfumery.
*Claims use* since Sept. 1, 1923.

Ser. No. 214,463. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DARLO COMPANY, Boston, Mass. Filed May 18, 1925.

DARLO

*Particular description of goods.*—Dish-Washing Appliances.
*Claims use* since Jan. 1, 1925.

Ser. No. 214,465. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNIE S. DEVORE, doing business as John F. Carnegie, Chicago, Ill. Filed May 18, 1925.

HI-MAYA

*Particular description of goods.*—Bulgarian Sour Milk.
*Claims use* since 1900.

Ser. No. 214,630. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN R. STETSON, Jr., Pittsfield, Mass. Filed May 20, 1925.

All reading matter is disclaimed except the word "Queechy" apart from the mark shown in drawing, also the representation of the pig as shown.
*Particular description of goods.*—Sausage and Ham, Pork Loins, Bacon, and Pork Shoulders.
*Claims use* since Mar. 25, 1925.

Ser. No. 214,660. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWLEY & HOOPS, New York, N. Y. Filed May 21, 1925.

Chu-E-Frut-E

*Particular description of goods.*—Chewing Candy in the Shape of Fruits and Flavored Accordingly.
*Claims use* since about May 12, 1925.

Ser. No. 214,720. (CLASS 39. CLOTHING.) FRANKEL BROS., New York, N. Y. Filed May 22, 1925.

*Particular description of goods.*—Men's Outer Clothing Consisting of Coats, Vests, Trousers, and Knickerbockers.
*Claims use* since about May 1, 1925.

Ser. No. 214,828. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SMITH AND WESSON, INC., Springfield, Mass. Filed May 23, 1925.

No claim is made to the representation of the revolver shown in the drawing. The trade-mark consists of a mottled color pattern predominately brownish-gray and blue applied to the hammer and trigger of the arm by an appropriate color process.
*Particular description of goods.*—Revolvers and Pistols
*Claims use* since 1856.

Ser. No. 215,086. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MISSION MAPLE SYRUP CO., Los Angeles, Calif. Filed May 29, 1925.

The word "Mission" does not form a part of the mark sought to be registered apart from the mark as shown in the drawing.
*Particular description of goods.*—Table Sirup.
*Claims use* since Sept. 1, 1924.

Ser. No. 215,225. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORTH TEXTILE CO. INC., New York, N. Y. Filed June 2, 1925.

WORTHTEX FABRICS

No claim is made to the exclusive use of the word "Fabrics" apart from the mark as shown in the drawing.
*Particular description of goods.*—Dress and Underwear Fabrics in the Piece Composed of Cotton, Silk, and Imitation Silk and Combinations of the Same.
*Claims use* since Feb. 2, 1925.



Ser. No. 215,282. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAPIERO & MENCACCI, Brooklyn, N. Y. Filed June 3, 1925.

Itala

*Particular description of goods.*—Canned Fruits, Canned Vegetables, Canned Fish, Olive Oil, Macaroni, and Tomato Paste.
*Claims use* since July 1, 1924.

Ser. No. 215,289. (CLASS 38. PRINTS AND PUBLICATIONS.) AMUSEMENT PUBLISHING CO., Atlantic City, N. J. Filed June 4, 1925.

*Particular description of goods.*—Monthly Publication.
*Claims use* for not less than one year in interstate commerce by applicant.

Ser. No. 215,377. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES A. MCFARLAND, Helena, Mont. Filed June 5, 1925.

RED CAPS

*Particular description of goods.*—Medicine for Cold and Grippe and Headache.
*Claims use* since July 1, 1921.

Ser. No. 215,482. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) STAPLES & PFEIFFER, San Francisco, Calif. Filed June 8, 1925.

S & P

*Particular description of goods.*—Oil-Burning Equipment—Namely, Valves, Burners, Oil and Air Tanks, Oil Strainers, Pump Governors; Automatic Steam, Pumping, Heating, and Filtering Apparatus; and Fronts for Oil-Burning Furnaces.
*Claims use* since 1905.

Ser. No. 215,515. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) JOHNSON BROTHERS, (HANLEY) LIMITED, Stoke-on-Trent, England. Filed June 9, 1925.

PAREEK

*Particular description of goods.*—Table and Earthen Ware.
*Claims use* since Mar. 18, 1925.

Ser. No. 215,528. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEWTON, CHAMBERS AND CO. LIMITED, Thorncliffe, near Sheffield, England. Filed June 9, 1925.

IZAL

*Particular description of goods.*—Starch and Blue for Laundry Purposes, Perfumery, Disinfectant Fluids, Disinfectant Powders, Disinfectant Blocks, Antiseptics, Germicides, Insecticides, Dentifrices, General Healing Ointments, Lano Skin Cream, Throat Lozenges, and Embrocations.
*Claims use* since May 26, 1893.

Ser. No. 215,678. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLAIR CANNING CO., Blair, Wis. Filed June 12, 1925.

BLAIR-CO

No claim is made to the surname "Blair" apart from the mark as shown on the drawing.
*Particular description of goods.*—Canned Peas, Kraut, and Beans.
*Claims use* since June 1, 1925.

Ser. No. 215,679. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CANNON MILLS, INCORPORATED, New York, N. Y. Filed June 12, 1925.

NEW ERA

*Particular description of goods.*—Sheets and Pillowcases.
*Claims use* since 1907.

Ser. No. 215,702. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) NORTH AMERICAN ANOLIN CORPORATION, Little Falls, N. Y. Filed June 12, 1925.

ANOLIN

*Particular description of goods.*—Leather.
*Claims use* since Mar. 1, 1925.

Ser. No. 215,723. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. H. WETTERAU & SONS GROCER CO., St. Louis, Mo. Filed June 12, 1925.

FREEDOM

*Particular description of goods.*—Malt Extract for Food Purposes.
*Claims use* since Nov. 1, 1922.

Ser. No. 215,735. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE D. L. CLARK CO., Pittsburgh, Pa. Filed June 13, 1925.

WINKER'S

*Particular description of goods.*—Candy.
*Claims use* since Mar. 13, 1925.

Ser. No. 215,741. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAYDN L. FISCHER, doing business as Sugar-Lax Products Co. Not Inc., Kewanee, Ill. Filed June 13, 1925.

SUGAR-LAX

No claim is made to the exclusive use of the word "Sugar" apart from the mark as shown.
*Particular description of goods.*—Laxatives.
*Claims use* since Mar. 10, 1925.

Ser. No. 215,747. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWIN B. JACOBI, doing business as Lan-o-zin Co., Fayette, Mo. Filed June 13, 1925.

E. B. Jacobi
LAN-O-ZIN

The name "E. B. Jacobi" appearing on the drawing is a representation of the facsimile signature of the applicant. No claim is made to the mere name apart from the mark shown.
*Particular description of goods.*—Medicinal Preparation Used in the Treatment of the Feet.
*Claims use* since Mar. 5, 1925.

Ser. No. 215,958. (CLASS 37. PAPER AND STATIONERY.) THE APPLETON COATED PAPER COMPANY, Appleton, Wis. Filed June 18, 1925.

DIRECT-SALES-BOND

No claim is made for the word "Bond" apart from the mark shown.
*Particular description of goods.*—Coated One and Coated Two Sides Bond Paper in White and Colors.
*Claims use* since Aug. 1, 1924.

Ser. No. 215,960. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Filed June 18, 1925.

Efficyl

The trade-mark consists in the word "Efficyl."
*Particular description of goods.*—Chemical Products to be Added to Motor Fuels to Prevent the Motor from Knocking.
*Claims use* since October, 1924.

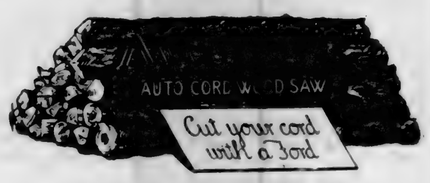


Ser. No. 215,961. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Filed June 18, 1925.

Motyl

Trade-mark consists in the word "Motyl."
*Particular description of goods.*—Chemical Products to be Added to Motor Fuels to Prevent the Motor from Knocking.
*Claims use* since October, 1924.

Ser. No. 215,969. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE COOK-LEWIS FOUNDRY COMPANY, Greensboro, N. C. Filed June 18, 1925.




Applicant disclaims the words "Auto Cord Wood Saw" and "Cut Your Cord with a Ford" apart from the mark as shown.
*Particular description of goods.*—Wood-Sawing Machines.
*Claims use* since June 1, 1925.

Ser. No. 216,050. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOHN FRANK KELLY, Lexington, Ky. Filed June 19, 1925.

*Particular description of goods.*—Store Furniture—Namely, Counters, Racks, Gates, Cabinets, Cupboards, Desks, Tables, Chairs, Rails, and Shelves.
*Claims use* since Apr. 20, 1925.

Ser. No. 216,073. (CLASS 39. CLOTHING.) JULIUS ROSENBLUM INC., New York, N. Y. Filed June 19, 1925.

*Particular description of goods.*—Ladies' Hats.
*Claims use* since Nov. 15, 1924.

Ser. No. 216,125. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE TAYLOR CHAIR COMPANY, Bedford, Ohio. Filed June 20, 1925.

No claim is made to the words appearing in the drawing apart from the other features of the mark as shown.
*Particular description of goods.*—Chairs for Office and Household Purposes, Sofas, Settees, Davenports, and Office Couches.
*Claims use* since about April, 1924.

Ser. No. 216,185. (CLASS 38. PRINTS AND PUBLICATIONS.) ALFONZO GALES JOHNSON, doing business as Standard Homes Company, Washington, D. C. Filed June 22, 1925.

*Particular description of goods.*—Books of Plans Published from Time to Time and Plans.
*Claims use* since Jan. 1, 1925.

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Ser. No. 216,196. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES H. MCKEOWN, doing business as C. H. McKeown Company, Cleveland, Ohio. Filed June 22, 1925.

Exclusive use of the words "Mack's Cod Liver" is disclaimed apart from the mark shown.
*Particular description of goods.*—Cod-Liver Compound Tablets.
*Claims use* since Oct. 15, 1924.

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Ser. No. 216,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ZICKOS BROTHERS & CO., Fulton, Mo. Filed June 22, 1925.

The word "Lollypop" is disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Ice Cream on the End of a Stick.
*Claims use* since May 1, 1925.

Ser. No. 216,267. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. ERNSTBERGER & CO., New York, N. Y. Filed June 23, 1925.

VELDEW

*Particular description of goods.*—Fabrics Made Out of Worsted and Wool Yarn.
*Claims use* since May 2, 1925.

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Ser. No. 216,333. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD GORODESS, doing business as The Gray Chemical Company, New York, N. Y. Filed June 24, 1925.

*Particular description of goods.*—Headache Powders, Eye Lotions, Skin Lotions, Face Creams, Stomach Bitters, Antiseptic Skin Powders; Laxatives, Liniments, and Throat Mixtures for Treatment of Tonsillitis and Inflammatory Conditions of the Throat.
*Claims use* since prior to January, 1900.

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Ser. No. 216,428. (CLASS 39. CLOTHING.) ERNEST H. PHILPOTT, doing business as Windermere Products Mfg. Co., East Cleveland, Ohio. Filed June 25, 1925.

THE QUALITY APRON
IMPREGNABLE

The exclusive use of the expression "The Quality Apron" is disclaimed apart from the mark as shown.
*Particular description of goods.*—Rubber Aprons.
*Claims use* since Oct. 1, 1923.

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Ser. No. 216,451. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. A. BOCHMANN & CO. INC., Philadelphia, Pa. Filed June 26, 1925.

CASHARMURE

*Particular description of goods.*—Worsted and Woolen Dress Goods Manufactured in the Piece.
*Claims use* since Mar. 22, 1923.



Ser. No. 216,476. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY F. REMINGTON, doing business as The N'-V Products Co., Nashville, Mich. Filed June 26, 1925.

N' – V

*Particular description of goods.*—Face Cream, Hair Tonic, Shampoo, Compound for Counteracting Perspiration, and a Lotion for Chapped, Rough Hands.
*Claims use* since May 12, 1925.

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Ser. No. 216,551. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LAW CANNING COMPANY, Portland, Oreg. Filed June 27, 1925.

CHINA-MAID

*Particular description of goods.*—Chinese Canned Food—Namely, Chicken Chop Suey.
*Claims use* since Feb. 2, 1925.

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Ser. No. 216,581. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WOOD BLAKEMAN, doing business as The Hoosier Preserving Co., Indianapolis, Ind. Filed June 29, 1925.

HOOSIER
"NOT CHEAPER, BUT BETTER"

No claim is made to the term "Not Cheaper, But Better" apart from the mark shown in the drawing.
*Particular description of goods.*—Fruit Preserves, Tomato Catchup, Salad Dressing, Chili Sauce, Mayonnaise, Vinegar; Sandwich Spread, Formed of Sugar, Eggs, Spices, Corn Oil, Vinegar, Pickles, and Ham or Roast Beef; Fruit Jellies, Fruit Jam, Mustard, Peanut Butter, and Prepared Horse-Radish.
*Claims use* since July, 1921.

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Ser. No. 216,644. (CLASS 39. CLOTHING.) MAURICE J. SCHNEIDER, doing business as M. J. Schneider & Co., Los Angeles, Calif. Filed June 29, 1925.

Filmland Frocks

The word "Frocks" does not form a part of the registration sought apart from the mark shown in the drawing.
*Particular description of goods.*—Ladies' Wearing Apparel — Namely, Coats, Dresses, Suits, Shirt Waists, Underskirts, Overskirts, and Lingerie, Including Combinations, Costume Slips, Chemises, Undershirts, Bloomers, Step-Ins, Camisoles, Brassières, Corsellettes, and Corsets.
*Claims use* since Apr. 23, 1925.

Ser. No. 216,663. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) AKTIEBOLAGET SEPARATOR, Stockholm, Sweden. Filed June 30, 1925.

OLOFSTRÖM
OB

*Particular description of goods.*—Enameled Hollow Ware and Other Goods—Namely, Bed Pans, Covers Therefor; Disinfecting Kettles, Irrigators, Pus Basins, Sputum Cups, Urinals, and Trays for Hospital, Surgical, and Dental Purposes.
*Claims use* since on or about Sept. 20, 1924.

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Ser. No. 216,713. (CLASS 39. CLOTHING.) CONSOLIDATED GLOVE & HOSIERY CORP., San Francisco, Calif. Filed July 1, 1925.

Famous 710 Quality

No claim is made to the exclusive use of the words "Quality" and "Famous" apart from the mark as shown.
*Particular description of goods.*—Hosiery.
*Claims use* since Nov. 17, 1924.

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Ser. No. 216,736. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KWICKGLO ENAMEL CO., Los Angeles, Calif. Filed July 1, 1925.

KWICKGLO

The drawing is lined to indicate the color red.
*Particular description of goods.*—Auto Enamels.
*Claims use* since June 1, 1925.

Ser. No. 216,754. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEYER-EIBERT CO., Minneapolis, Minn. Filed July 1, 1925.

THOROBRAND

*Particular description of goods.*—Coffee, Tea, Cocoa, Chocolate; Food-Flavoring Extracts—Namely, Lemon and Vanilla Spices; Peanut Butter, Salad Dressing, and Jelly Dessert.
*Claims use* since Apr. 14, 1925.

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Ser. No. 216,793. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. M. & J. J. MURPHY, Statesboro, Ga. Filed July 2, 1925.

THREE NIGHTS

*Particular description of goods.*—Liniment for the Treatment of Rheumatism.
*Claims use* since Mar. 20, 1925.

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Ser. No. 216,870. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. E. BOOTH CO., San Francisco, Calif. Filed July 6, 1925.

MAY-TIME

*Particular description of goods.*—Canned Fruits.
*Claims use* since Mar. 11, 1925.

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Ser. No. 216,889. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DIAMOND EXPANSION BOLT CO., New York, N. Y. Filed July 6, 1925.

KEE-NAIL

The word "Nail" is disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Securing Expansions, Securing Anchors, Expansion Fasteners, Nails, Nail Expansions, Nail Anchors, and Nail Fasteners.
*Claims use* since on or about May 8, 1925.

Ser. No. 216,971. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FRIES & FRIES CO., doing business as Courrier d'Air Products Co., Cincinnati, Ohio, and New York, N. Y. Filed July 7, 1925.

Courrier d'Air

*Particular description of goods.*—Cosmetics and Toilet Preparations—Namely, Toilet Waters, Hair Tonics, Bay-Rum Compound, Coconut-Oil Shampoo, Perfumes, Talcums, Face Powder, Cold Creams, Vanishing Creams, Massage Creams, Cucumber Lotion, Rose Lotion, Strawberry Lotion, and Honey and Almond Lotion, Hairdressing Creams, Brilliantine, and Bath Salts.
*Claims use* since Nov. 18, 1924.

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Ser. No. 217,014. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed July 8, 1925.

*Particular description of goods.*—Woolen and Worsted Fabrics in the Piece.
*Claims use* since May 15, 1925.

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Ser. No. 217,045. (CLASS 39. CLOTHING.) PAUSON & COMPANY, San Francisco, Calif. Filed July 8, 1925.

The Avenue

*Particular description of goods.*—Suits and Overcoats for Men.
*Claims use* since June 1, 1925.



Ser. No. 217,077. (CLASS 12. CONSTRUCTION MATERIALS.) FARLEY & LOETSCHER MFG CO., Dubuque, Iowa. Filed July 9, 1925.

Presto

*Particular description of goods.*—Sliding Stairways.
*Claims use* since July 6, 1925.

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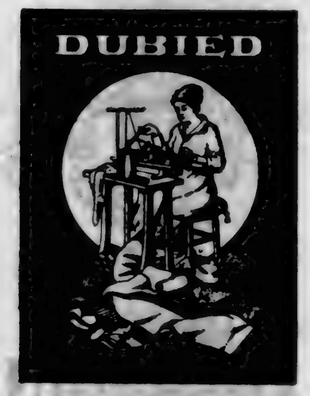
Ser. No. 217,266. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EDOUARD DUBIED & CIE SOCIÉTÉ ANONYME, Couvet, near Neuchatel, Switzerland. Filed July 13, 1925.




The word "Dubied" and the illustration of the knitting machine are disclaimed apart from the mark shown.
*Particular description of goods.*—All Kinds of Textile Machines, Especially Knitting Machines; Needles for Knitting Machines and Parts of Knitting Machines.
*Claims use* since Jan. 1, 1915.

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Ser. No. 217,279. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FRANCES JORDAN, INCORPORATED, Philadelphia, Pa. Filed July 13, 1925.

Frances Jordan

No claim is made to the name of the mark apart from the particular form shown. The mark is a fictitious name written in a particular style by one of the officers.
*Particular description of goods.*—Massage Devices.
*Claims use* since July 17, 1923.



Ser. No. 217,290. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PEDOX PRODUX, INC., New York, N. Y. Filed July 13, 1925.

PEDOX

*Particular description of goods.*—Bunion Protectors, Bunion, Corn, and Callous Shields.
*Claims use* since Apr. 6, 1925.

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Ser. No. 217,321. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BREED AND BREED, Winchester, Mass. Filed July 14, 1925.

No claim is made for the words "Candies" or "Winchester, Mass." apart from the mark shown.
*Particular description of goods.*—Confectionery and Nuts.
*Claims use* since Apr. 8, 1925.

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Ser. No. 217,429. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TRUSCON STEEL COMPANY, doing business as The Truscon Laboratories, Detroit and Hamtramck, Mich. Filed July 15, 1925.

TRU-SPAR

The lining on the letters of the mark as shown in the drawing indicate shading only.
*Particular description of goods.*—Ready-Mixed Paints, Enamels, Stains, and Varnishes.
*Claims use* since about May 1, 1925.

Ser. No. 217,465. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. KAPLAN, doing business as The Liberty Feed Mills, Kaplan, La. Filed July 16, 1925.

The lining of drawing represents colors red and blue. The word "Feed" and the word "Liberty" are disclaimed apart from the mark as shown on drawing.

*Particular description of goods.*—Prepared Stock Food (Molasses) Not Medicated.

*Claims use* since Oct. 15, 1923.

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Ser. No. 217,477. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NG GEE HERB CO., San Francisco, Calif. Filed July 16, 1925.

The photographic illustration is that of Chu Chew Shong, member of firm of Ng Gee Herb Co.

*Particular description of goods.*—Liquid Compound for the Treatment of Rheumatism and Syphilis.

*Claims use* since July 1, 1925.

Ser. No. 217,484. (CLASS 32. FURNITURE AND UPHOLSTERY.) SHERMAN RADIO MANUFACTURING CORPORATION, New York, N. Y. Filed July 16, 1925.

*Particular description of goods.*—Radio Cabinets.

*Claims use* since early in December, 1924.

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Ser. No. 217,530. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPHUS A. PYLE, St. Joseph, Mo. Filed July 17, 1925.

No claim is made to the wording appearing on the drawing apart from the other features of the mark.

*Particular description of goods.*—Tree Paint for Use as an Insecticide.

*Claims use* since 1908.

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Ser. No. 217,567. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) THE LAADT CORPORATION, Chicago, Ill. Filed July 18, 1925.

*Particular description of goods.*—Chemicals for Cleaning Clothing.

*Claims use* since about May 27, 1925.



Ser. No. 217,585. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SALISBURY PACKING CO., Salisbury, Md. Filed July 18, 1925.

SATISFACTION BRAND

The word "Brand" and the pictorial representation of the goods is disclaimed apart from the other features of the mark shown on the drawing.

*Particular description of goods.*—Raw Oysters.

*Claims use* since Sept. 2, 1910.

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Ser. No. 217,606. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FABRICHE DI CIOCCOLATO E CACAO MICHELE TALMONE SOCIETÀ ANONIMA, Turin, Italy. Filed July 20, 1925.

TALMONIA

*Particular description of goods.*—Chocolate, Cocoa, Biscuits, Caramels, and Sweet Meats.

*Claims use* since March, 1923.

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Ser. No. 217,620. (CLASS 43. THREAD AND YARN.) INSULATING MATERIALS COMPANY, Detroit, Mich. Filed July 20, 1925.

*Particular description of goods.*—Sewing Threads.

*Claims use* since Mar. 30, 1925.

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Ser. No. 217,646. (CLASS 38. PRINTS AND PUBLICATIONS.) HARRY LEROY TASKEY, New York, N. Y. Filed July 20, 1925.

GALLOPING SCENARIOS

*Particular description of goods.*—Cartoon Strip.

*Claims use* since July, 1924.

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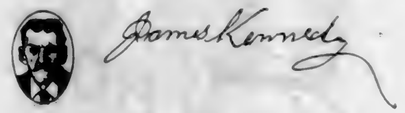
Ser. No. 217,723. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAY PRO COMPANY, INC., Brooklyn, N. Y. Filed July 22, 1925.

POMONA

*Particular description of goods.*—Mayonnaise and Salad Dressings.

*Claims use* since about Jan. 1, 1923.

Ser. No. 217,863. (CLASS 6, CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FERDINAND COSTA, doing business as JAMES KENNEDY LABORATORIES, Chicago, Ill. Filed July 25, 1925.




Applicant disclaims the name "James Kennedy" apart from the mark shown. The mark consists of the portrait and signature of James Kennedy.

*Particular description of goods.*—Remedy for Corns, Warts, Bunions, and Calli.

*Claims use* since on or about June 15, 1925.

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Ser. No. 217,885. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEON LOUIS JAEGER, doing business as H. B. Jaeger Laboratories, Springfield, Ill. Filed July 25, 1925.

No claim is made to the words "Jaeger's" and "Quinine" apart from the mark as a whole.

*Particular description of goods.*—Hair Tonics.

*Claims use* since July 12, 1925.

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Ser. No. 217,921. (CLASS 39. CLOTHING.) HYMEN COHEN, doing business as Manhattan Woolen Mills, Duluth, Minn. Filed July 27, 1925.

Applicant disclaims all wording appearing on the drawing apart from the mark shown.

*Particular description of goods.*—Knitted Sweaters, Mackinaw Coats, Knitted and Textile Underwear for Men, Women, and Children; Work and Dress Shirts, Stockings, Hose, Overcoats, Leather Vests and Coats, Raincoats, and Bathing Suits.

*Claims use* since Apr. 11, 1924.

Ser. No. 217,935. (CLASS 39. CLOTHING.) L. JONAS & Co., Nashville, Tenn. Filed July 27, 1925.

ELI-JAY

FANCHON

*Particular description of goods.*—Ladies' and Misses' Hats.
*Claims use* since July 1, 1925.

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Ser. No. 217,939. CLASS 15. OILS AND GREASES.) MARTIN COUNTY CO-OP. OIL COMPANY, Triumph, Minn. Filed July 27, 1925.

CO-OP

*Particular description of goods.*—Gasoline, Kerosene, and Lubricating Oils.
*Claims use* since Dec. 22, 1924.

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Ser. No. 217,949. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NAILCRAFT CO., Brooklyn, N. Y. Filed July 27, 1925.

"PEARLGLO"

Trade-mark consists of the word "Pearlglo."
*Particular description of goods.*—Liquid Nail Polish.
*Claims use* since July 2, 1925.

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Ser. No. 217,971. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HAROLD B. WALTERS, doing business as Vitex Lacquer Co., Los Angeles, Calif. Filed July 27, 1925.

Vitex

*Particular description of goods.*—Dried, Paste, and Ready-Mixed Paints; Varnishes, Paint Enamels; Celluloid Solution—Namely, Lacquers; Surface-Preserving Solution for Automobiles—Namely, Lacquer; Lustre Compound—Namely, High-Glass Lacquer.
*Claims use* since Feb. 26, 1925.

Ser. No. 218,001. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN-HALL-MARX CO., New York, N. Y. Filed July 28, 1925.

Fulltex

*Particular description of goods.*—Cotton Fabrics, Mixtures of Cotton and Silk and Cotton and Wool, and Mixtures of Cotton, Silk, and Wool All in the Piece and Plain Printed or Fancy Woven.
*Claims use* since July 18, 1925.

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Ser. No. 218,018. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed July 28, 1925.

LOOK INTO IT

*Particular description of goods.*—Dry and Ready-Mixed Paints, Paint and Varnish Driers, Paint Enamels, Wood Stains, Varnish Stains, Wall Paint, Prepared Lacs, Fillers for Painter's Use, Varnishes, Automobile Enamels, Baking Enamels, and Engine Enamels.
*Claims use* since March, 1904.

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Ser. No. 218,019. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed July 28, 1925.

LACRITE

*Particular description of goods.*—Dry and Ready-Mixed Paints, Paint and Varnish Driers, Paint Enamels, Woodstains, Varnish Stains, Wall Paint, Prepared Lacs, Fillers for Painter's Use, Varnishes, Automobile Enamels, Baking Enamels, and Engine Enamels.
*Claims use* since June 20, 1925.

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Ser. No. 218,037. (CLASS 39. CLOTHING.) AMERICAN CAP MANUFACTURING CO., INC., Louisville, Ky. Filed July 29, 1925.

U-SIZE-IT

*Particular description of goods.*—Caps for Men, Women, and Children.
*Claims use* since July 9, 1925.

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Ser. No. 218,054. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE E. E. DICKINSON CO., Essex, Conn. Filed July 29, 1925.

"YELLOW LABEL"

*Particular description of goods.*—Extract of Witch-Hazel.
*Claims use* since 1902.



Ser. No. 218,076. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MIMOSA AKTIENGESELLSCHAFT, Dresden, Germany. Filed July 29, 1925.

Mimosa

*Particular description of goods.*—Photographic Developers, Toning Baths, Fixing Salts, and Flash-Light Powders and Chemical Products for Photographic Purposes.
*Claims use* since Apr. 26, 1897.

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Ser. No. 218,080. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill. Filed July 29, 1925.

Espiquet
(S. P. K.)

*Particular description of goods.*—Condimental Sauces and Salad Dressings.
*Claims use* since June 21, 1925.

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Ser. No. 218,088. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) FREDERICK C. ROEGGE, Los Angeles, Calif. Filed July 29, 1925.

NUAIR

*Particular description of goods.*—Rubber Goods—Namely, Tires.
*Claims use* since 1922.

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Ser. No. 218,126. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JABOSH CHEMICAL COMPANY, INC., New York, N. Y. Filed July 30, 1925.

Cycolene

*Particular description of goods.*—Semifluid Composition for Use As a Dressing for Articles of Rubber, Leather, and Such Like Goods.
*Claims use* since June 6, 1925.

Ser. No. 218,132. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MOTT MFG. CO., Brooklyn, N. Y. Filed July 30, 1925.

"RAZZ"

*Particular description of goods.*—Soaps.
*Claims use* since May 21, 1925.

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Ser. No. 218,167. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER DELANEY, doing business as Delaney & Young, Eureka, Calif. Filed July 31, 1925.

Delaney's Redwood Cabin

The word "Delaney" does not form a part of the registration sought apart from the mark shown.
*Particular description of goods.*—Candy.
*Claims use* since May, 1923.

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Ser. No. 218,169. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DUBE DRUG COMPANY, Montgomery, Ala. Filed July 31, 1925.

*Particular description of goods.*—Sodium Bicarbonate; Powdered Boric Acid, Flaxseed Meal, Whole Flaxseed, Moth Balls, Sulphur, Epsom Salts, Lump Ammoniua Alum, Cream Tartar, Powdered Ammonium Alum, Blue Stone, Prepared Chalk, Oxalic Acid, Potassium Permanganate, Rochelle Salt, Saltpeter; Beef, Wine, and Iron; Pure Castor Oil, Compound Licorice Powder, Salicylic Acid, Copperas, Senna Leaves, Balsam Capaiba, Tincture Green Soap, Tincture Asafetida, Tincture Iron, Toothache Drops, Aromatic Spirits Ammonia, Oil Citronella, Glycerin, Paregoric, Essence of Peppermint, Carbolic Acid, Spirit Niter, Witch-Hazel, Quinine Sulphate, Tincture Arnica Flowers, Camphorated Oil, Cascara Sagrada, Larkspur Lotion, Chloroform Liniment, Glycerin and Rose Water, Dobell's Solution, also White Mineral Oil, Celery Seed, Powdered Turmeric, Spirits of Turpentine, Fuller's Earth, and Sweet Oil for Medicinal Purposes.
*Claims use* since about Oct. 1, 1924.

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Ser. No. 218,172. (CLASS 39. CLOTHING.) GOLDEN WEST KNITTING MILLS, Los Angeles, Calif. Filed July 31, 1925.

Jerry-Jane
with permafit seam

The words "Permafit Seams" do not form a part of the mark sought to be registered apart from the mark shown on the drawing.
*Particular description of goods.*—Sweaters.
*Claims use* since May 1, 1925.

Ser. No. 218,256. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALPHONSE GRAVIER, Neuilly-sur-Seine, France. Filed Aug. 1, 1925.

The words "A. Gravier, Paris, France" are disclaimed apart from the mark shown.

*Particular description of goods.*—Perfumes, Toilet Water, Face Cream, Face Powder, Talcum Powder, Eau de Cologne, Bath Salts, Brilliantine, and Face Cream.

*Claims use* since 1913.

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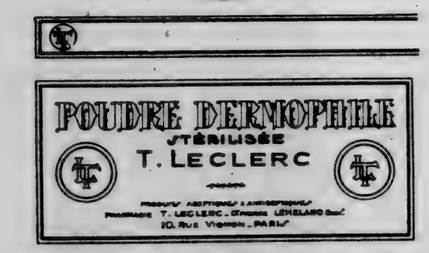
Ser. No. 218,261. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PIERRE LEMELAND, Paris, France. Filed Aug. 1, 1925.




No claim is made to the wording excepting the word "Dermophile" and the letters "T L" apart from the mark shown.

*Particular description of goods.*—Toilet Powder.

*Claims use* since 1900.

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Ser. No. 218,263. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE LIFTON MFG. CO., New York, N. Y. Filed Aug. 1, 1925.

*Particular description of goods.*—Luggage—Viz, Brief Cases, Musical-Instrument Cases, Cardcases, and Wallets.

*Claims use* since May 14, 1924.

Ser. No. 218,269. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEYENBERG EVAPORATED MILK CO., San Francisco, Calif. Filed Aug. 1, 1925.

MEYENBERG

MM

The surname "Meyenberg" does not form a part of the mark sought to be registered apart from the mark shown in the drawing.

*Particular description of goods.*—Evaporated Milk.

*Claims use* since October, 1921.

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Ser. No. 218,347. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLESEN MANUFACTURING COMPANY, Malden, Mass. Filed Aug. 3, 1925.

Applicant disclaims exclusive right to the words "Keep It Bright" apart from the mark shown.

*Particular description of goods.*—Polish for Painted, Varnished, Waxed, and Similar Surfaces.

*Claims use* since July 23, 1925.

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Ser. No. 218,361. (CLASS 15. OILS AND GREASES.) JOHNSON HIGH TEST OIL COMPANY, Freeport, Ill. Filed Aug. 4, 1925.

JONSUNITE

*Particular description of goods.*—Gasoline.

*Claims use* since Mar. 21, 1925.

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Ser. No. 218,362. (CLASS 15. OILS AND GREASES.) JOHNSON HIGH TEST OIL COMPANY, Freeport, Ill. Filed Aug. 4, 1925.

JONSUNOIL

*Particular description of goods.*—Lubricating Oils.

*Claims use* since Mar. 21, 1925.



Ser. No. 218,365. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Aug. 4, 1925.

VAGINOIDS

*Particular description of goods.*—Vaginal Suppositories.

*Claims use* since 1901.

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Ser. No. 218,367. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Aug. 4, 1925.

CASCA-LAXATIVE

No claim is made to the exclusive use of the term "Laxative" apart from the design shown in the drawing and used on the labels.

*Particular description of goods.*—Cathartic and Laxative Compound.

*Claims use* since 1905.

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Ser. No. 218,409. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEE C. GREENBURG, Kokomo, Ind. Filed Aug. 5, 1925.

"SHARPIT"

Trade-mark consists in the word "Sharpit."

*Particular description of goods.*—Medicated Paraffin Stick Used as a Preservative of Razor Blades.

*Claims use* since Jan. 1, 1924.

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Ser. No. 218,420. (CLASS 39. CLOTHING.) I. NEWMAN & SONS, INC., New York, N. Y. Filed Aug. 5, 1925.

P.N. Comfolette

The lining in drawing is intended to indicate shading.

*Particular description of goods.*—Corsets, Corselettes, Brassières, and Bandeaux of Rubber or Knitted, Netted, or Textile Fabric or Combinations of Rubber and Knitted, Netted, or Textile Fabric.

*Claims use* since July 8, 1925.

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Ser. No. 218,433. (CLASS 38. PRINTS AND PUBLICATIONS.) JOHN HARRY SHANNON, Washington, D. C. Filed Aug. 5, 1925.

Rambler

*Particular description of goods.*—Nom de Plume for a Newspaper Section.

*Claims use* since 1912.

Ser. No. 218,438. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE TRIBUNE COMPANY, Chicago, Ill. Filed Aug. 5, 1925.

Coloroto

Trade-mark consists of the word "Coloroto."

*Particular description of goods.*—Printing Press.

*Claims use* since June 19, 1922.

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Ser. No. 218,445. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. C. H. BERRY COMPANY, Chicago, Ill. Filed Aug. 7, 1925.

DELICIA

*Particular description of goods.*—Face Powder, Cream Powder, Rouge, and Powder and Rouge Compacts.

*Claims use* since 1905.

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Ser. No. 218,451. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS C. DAUDELIN, doing business as The Heal-U Company, Baltimore, Md. Filed Aug. 7, 1925.

HEAL-U

*Particular description of goods.*—Salve for Treatment of Hemorrhoids and Cream for Treatment of Skin Eruptions.

*Claims use* since May 25, 1921.

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Ser. No. 218,462. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Filed Aug. 7, 1925.

MYSTIC

*Particular description of goods.*—Wheat Flour.

*Claims use* since April, 1890.

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Ser. No. 218,463. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES KAVARNOS, doing business as French Perfume Company, Pittsburgh, Pa. Filed Aug. 7, 1925.

Artemis

*Particular description of goods.*—Perfumes, Toilet Waters, Face and Toilet Powders, and Facial Creams.

*Claims use* since Feb. 1, 1924.

Ser. No. 218,482. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GROCERS SUPPLY CO., Salt Lake City, Utah. Filed Aug. 6, 1925.

BLUE CIRCLE BRAND

The lining shown indicates blue, no claim being made to the exclusive use of the word "Brand."

*Particular description of goods.*—Malt Sirup for Food Purposes.

*Claims use* since July, 1919.

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Ser. No. 218,494. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LIGNOSEFILM G. M. B. H., Berlin, Germany. Filed Aug. 6, 1925.

„Lignosefilm"

The exclusive use of the word "Film" is disclaimed apart from the other features shown in the mark.

*Particular description of goods.*—Photographic Plates and Films.

*Claims use* since January, 1925.

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Ser. No. 218,495. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LIGNOSEFILM G. M. B. H., Berlin, Germany. Filed Aug. 6, 1925.

„Lignose"

*Particular description of goods.*—Photographic Plates and Films.

*Claims use* since January, 1925.

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Ser. No. 218,507. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) J. S. & J. F. STRING INCORPORATED, New Haven, Conn. Filed Aug. 6, 1925.

VESTA

*Particular description of goods.*—Strainers and Valves for Fuel-Oil Lines.

*Claims use* since May, 1923.

Ser. No. 218,520. (CLASS 15. OILS AND GREASES.) OZARK OIL CORPORATION, Cedar Rapids, Iowa. Filed Aug. 7, 1925.

G OZARK S

No claim is made for the words "Gas" and "Ozark" aside from the mark shown in the drawing.

*Particular description of goods.*—Gasoline.

*Claims use* since October, 1922.

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Ser. No. 218,539. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CITIZENS' WHOLESALE SUPPLY CO., Columbus, Ohio. Filed Aug. 8, 1925.

GOLDEN RULE

"LIGHTNIN"
JELLY POWDER

No claim is made for the words "Jelly Powder" apart from the mark as shown.

*Particular description of goods.*—Mixture of Gelatine and Sugar for Quick Desserts and Flavored with the Following Different Flavors: Lemon, Orange, Cherry, Almond, and Raspberry.

*Claims use* since June 25, 1925.

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Ser. No. 218,540. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CITIZENS' WHOLESALE SUPPLY CO., Columbus, Ohio. Filed Aug. 8, 1925.

GOLDEN RULE

MILK---COCOA

No claim is made for the words "Milk" and "Cocoa" apart from the mark as shown.

*Particular description of goods.*—Food Compound Consisting of Cocoa, Sugar, Dried Skim Milk, Malted Milk, and a Trace of Salt.

*Claims use* since Apr. 30, 1925.



Ser. No. 218,545. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FEDERAL CARBIDE CO., Anniston, Ala. Filed Aug. 8, 1925.

FEDERAL

*Particular description of goods.*—Calcium Carbide.

*Claims use* since Feb. 3, 1925.

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Ser. No. 218,548. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDGAR GILBERT, doing business as Gilbert Laboratories, White Plains, N. Y. Filed Aug. 8, 1925.

HOMOCOL

*Particular description of goods.*—Chemical Compound of Guaiacol in the Form of Magnesium Guaiacol Sulphonate, Containing Approximately Fifty-eight Percent of Guaiacol, for Internal Medication in Pulmonary and Respiratory affections and Disorders of the Digestive Tract or Genito-Urinary System and other Conditions to Which it May be Applicable.

*Claims use* since July 1, 1925.

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Ser. No. 218,595. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. C. BROWN & COMPANY, Chicago, Ill. Filed Aug. 10, 1925.

qfc

*Particular description of goods.*—Coffee and Tea.

*Claims use* since July 20, 1925.

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Ser. No. 218,606. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CAVANAGH-WHITING CO. INC., New York, N. Y. Filed Aug. 10, 1925.

EDGE-ON-CRETONNES

No claim is made to the exclusive use of the words "Edge," "On," and "Cretonnes" apart from the mark as shown on the drawing.

*Particular description of goods.*—Printed Cotton and Wool Fabrics in the Piece.

*Claims use* since July 25, 1925.

Ser. No. 218,620. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 10, 1925.

GOLD COIN

*Particular description of goods.*—Cotton Poplin Piece Goods.

*Claims use* since Nov. 14, 1921.

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Ser. No. 218,640. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOOKER ELECTROCHEMICAL COMPANY, New York, N. Y. Filed Aug. 10, 1925.

HEC

*Particular description of goods.*—Chemical Compositions for Cleaning Drainpipes, Sewers, Traps, and the Like and for Thawing Frozen Pipes.

*Claims use* since July 28, 1925.

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Ser. No. 218,641. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOOKER ELECTROCHEMICAL COMPANY, New York, N. Y. Filed Aug. 10, 1925.

BUY HEC

*Particular description of goods.*—Chemical Compositions for Cleaning Drainpipes, Sewers, Traps, and the Like and for Thawing Frozen Pipes.

*Claims use* since July 28, 1925.

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Ser. No. 218,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDEPENDENCE COFFEE & SPICE CO., Denver, Colo. Filed Aug. 10, 1925.

GOLDEN WREATH

*Particular description of goods.*—Coffee.

*Claims use* since Mar. 30, 1925.

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Ser. No. 218,661. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REMINGTON SALT COMPANY, Ithaca, N. Y. Filed Aug. 10, 1925.

QUEEN
GLISTA-ERNESTINE

*Particular description of goods.*—Salt.

*Claims use* since on or about July 20, 1924.

Ser. No. 218,682. (CLASS 38. PRINTS AND PUBLICATIONS.) ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y. Filed Aug. 11, 1925.

**PRINTOGRAPH**

*Particular description of goods.*—Photographic Prints.
*Claims use* since May, 1925.

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Ser. No. 218,685. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS BECKER, doing business as Becker Fils, Paris, France. Filed Aug. 11, 1925.

No claim is made to the words "Parfums Becker" apart from the mark shown.
*Particular description of goods.*—Perfumes, Toilet Water, Face Powder, Talcum Powder, Face Creams, Brilliantine, Lotion for the Skin, Rouges, Sachet, and Bath Salts.
*Claims use* since June 15, 1925.

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Ser. No. 218,694. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES A. FILLIS, Brooklyn, N. Y. Filed Aug. 11, 1925.

James A. Fillis

The mark consists of a facsimile of applicant's portrait and signature. No claim is made to the mere name apart from the mark shown.
*Particular description of goods.*—Remedy for Dandruff, Falling Hair, and as a Hair Tonic.
*Claims use* since July 14, 1925.

Ser. No. 218,698. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE GENERAL MATCH COMPANY, Reading, Cincinnati, Ohio. Filed Aug. 11, 1925.

**TEACO**

*Particular description of goods.*—Matches.
*Claims use* since May 21, 1925.

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Ser. No. 218,701. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HISCOX CHEMICAL WORKS, Patchogue, N. Y. Filed Aug. 11, 1925. Under ten-year proviso.

**PARKER'S HAIR BALSAM**

*Particular description of goods.*—Hair Balsam for Restoring Color to Gray or Faded Hair.
*Claims use* since about Jan. 1, 1876.

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Ser. No. 218,702. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HISCOX CHEMICAL WORKS, Patchogue, N. Y. Filed Aug. 11, 1925. Under ten-year proviso.

**HINDERCORNS**

*Particular description of goods.*—Remedies for the Cure of Corns.
*Claims use* since about Jan. 1, 1886.

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Ser. No. 218,703. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HISCOX CHEMICAL WORKS, Patchogue, N. Y. Filed Aug. 11, 1925. Under ten-year proviso.

*Hiscox & Co.*

*Particular description of goods.*—Hair Balsam for Restoring Color to Gray or Faded Hair.
*Claims use* since about Apr. 18, 1876.

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Ser. No. 218,711. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y. Filed Aug. 11, 1925.

**Partagloss Wall Finish**

No claim is made to the exclusive use of the words "Wall Finish" apart from the mark shown in the drawing.
*Particular description of goods.*—Enamel Paint.
*Claims use* since July 30, 1925.



Ser. No. 218,764. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MELVILLE J. KLEIN, doing business as Klein Tamales Company, Memphis, Tenn. Filed Aug. 12, 1925.

No claim is made to the words "Kleins Famous" other than in the form and relation shown. The lining of drawing is for shading purposes only.
*Particular description of goods.*—Canned Tamales.
*Claims use* since Jan. 15, 1920.

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Ser. No. 218,771. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL OIL AND CHEMICAL COMPANY, Philadelphia, Pa. Filed Aug. 12, 1925.

*Particular description of goods.*—Degumming Agent.
*Claims use* since Oct. 10, 1924.

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Ser. No. 218,786. (CLASS 15. OILS AND GREASES.) W. H. BARBER COMPANY, Minneapolis, Minn. Filed Aug. 13, 1925.

**FYRE-LYTE**

*Particular description of goods.*—Petroleum Products—Namely, Gasoline, Kerosene, Fuel Oil, and Petroleum Distillate.
*Claims use* since Aug. 1, 1921.

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Ser. No. 218,801. (CLASS 39. CLOTHING.) ENTERPRISE BELT MFG. CO. INC., New York, N. Y. Filed Aug. 13, 1925.

**ENTERPRISE**

*Particular description of goods.*—Belts and Garters for Personal Wear.
*Claims use* since June 1, 1910.

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Ser. No. 218,812. (CLASS 37. PAPER AND STATIONERY.) HAWLEY PULP AND PAPER COMPANY, Oregon City, Oreg. Filed Aug. 13, 1925.

**PRESERVO**

*Particular description of goods.*—Oil-Treated Wraps for Fruit Adapted to Preserve the Latter.
*Claims use* since July 14, 1925.

Ser. No. 218,835. (CLASS 5. ADHESIVES.) WARREN S. ZELLER, doing business as The Pastex Company, Philadelphia, Pa. Filed Aug. 13, 1925.

**Pastex**

*Particular description of goods.*—Liquid Cement.
*Claims use* since about July 30, 1925.

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Ser. No. 218,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. E. MORSE, Lodi, Calif. Filed Aug. 14, 1925.

**LAKE TAHOE**

*Particular description of goods.*—Fresh Fruits—Namely, Fresh Cherries, Apricots, Peaches, Plums, and Grapes.
*Claims use* since 1916.

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Ser. No. 218,880. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE ST. CLAIR COAL COMPANY, Scranton, Pa. Filed Aug. 14, 1925.

No claim is made to the exclusive use of the words "Super Anthracite Coal," the words "High Carbon Low Ash," and the words "The Perfect Domestic Fuel" apart from the mark shown in the drawing.
*Particular description of goods.*—Coal.
*Claims use* since August, 1924.

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Ser. No. 218,882. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAKAMINE LABORATORY, INC., Clifton, N. J. Filed Aug. 14, 1925.

**CLARASE**

*Particular description of goods.*—Clarifier of Pectin and Fruit Juices.
*Claims use* since Jan. 13, 1925.

Ser. No. 218,923. (CLASS 39. CLOTHING.) BEN LEWIS, New York, N. Y. Filed Aug. 15, 1925.

Ben Lewis
EXCLUSIVE FOOTWEAR

"Ben Lewis" as it appears in the trade-mark is a facsimile of a signature of a member of the firm. No claim is made to the name except as it appears; also the words "Exclusive Footwear" are disclaimed apart from the mark shown.

*Particular description of goods.*—Men's, Women's, and Children's Boots, Shoes, and Slippers Made of Leather, Rubber, Fabric, or Combinations Thereof, and Hosiery.

*Claims use* since Feb. 1, 1923.

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Ser. No. 218,931. (CLASS 15. OILS AND GREASES.) SHERRILL OIL COMPANY, Pensacola, Fla. Filed Aug. 15, 1925.

SHER-OIL-S

No claim is made to the word "Oil" apart from the mark shown in the drawing.

*Particular description of goods.*—Gasoline, Kerosene, Lubricating Oils, and Greases.

*Claims use* since May, 1920.

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Ser. No. 218,972. (CLASS 39. CLOTHING.) HOLLAND SHOE CO., Holland, Mich. Filed Aug. 17, 1925.

ARCH-PEG

*Particular description of goods.*—Leather Boots and Shoes.

*Claims use* since July 1, 1925.

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Ser. No. 219,028. (CLASS 15. OILS AND GREASES.) COLUMBIA OIL COMPANY, INC., Rosslyn, Va. Filed Aug. 18, 1925.

ROTORLENE

*Particular description of goods.*—Lubricating Oil.

*Claims use* since July 20, 1925.

Ser. No. 219,032. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BASTIAN N. HAKSTAD, doing business as B. N. Hakstad & Company, Chicago, Ill. Filed Aug. 18, 1925.

VITAMREX

*Particular description of goods.*—Cod-Liver Oil.

*Claims use* since May 22, 1925.

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Ser. No. 219,049. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE VOEGELE & DINNING COMPANY, Huntington, W. Va. Filed Aug. 18, 1925.

Chocolate Crackles

The descriptive word "Chocolates" is disclaimed apart from the other features of the mark.

*Particular description of goods.*—Chocolate Candy in the Form of Chips.

*Claims use* since July 1, 1925.

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Ser. No. 219,061. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CREAM OF CHOCOLATE COMPANY OF AMERICA, Waltham, Mass. Filed Aug. 19, 1925.

Rich's Dutchco

*Particular description of goods.*—Chocolate Preparation Used at Soda Fountains and in the Manufacture of Ice Cream.

*Claims use* since Dec. 1, 1924.

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Ser. No. 219,063. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE CROWN CORK AND SEAL COMPANY OF BALTIMORE CITY, Baltimore, Md. Filed Aug. 19, 1925.

Dalak

*Particular description of goods.*—Closures for Receptacles.

*Claims use* since April, 1925.



Ser. No. 219,070. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR ALFRED GOLD, Charleston, W. Va. Filed Aug. 19, 1925.

ORCHARD TRUCK O.T. AND F SPECIAL FLOWER

No claim is made to the use of the words "Orchard," "Truck," "Flower," or "Special" apart from the mark shown on the drawing.

*Particular description of goods.*—Liquid Contact Insecticide for Destroying Aphids on Trees, Shrubbery, Plants, Vines, Flowers, and Truck Crops.

*Claims use* since 1923.

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Ser. No. 219,071. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HEATBATH CORPORATION, Springfield, Mass. Filed Aug. 19, 1925.

HEATBATH

Applicant disclaims exclusive right to the words "Heat Bath" apart from the mark shown in the drawing.

*Particular description of goods.*—Salt Bath for Hardening and Tempering Materials.

*Claims use* since May 15, 1925.

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Ser. No. 219,073. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KALI MANUFACTURING CO., Philadelphia, Pa. Filed Aug. 19, 1925.

EQUALITY

*Particular description of goods.*—Chemicals and Alkalies, Such as Aqua Ammonia, Soda Ash, Carbonate of Soda, Sal Soda, Bicarbonate of Soda, Caustic Soda, Trisodium Phosphate, Monohydrate of Soda, Neutral Soda, Laundry Soda, Carbonate of Potash, Pear Ash, and Caustic Potash.

*Claims use* since January, 1922.

Ser. No. 219,092. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. SPENCER PRODUCTS CORPORATION, Buffalo, N. Y. Filed Aug. 19, 1925.

No claim is made to the words "Just Stir—That's All" nor to the representation of the paddle apart from the mark shown.

*Particular description of goods.*—Bluing Paddle.

*Claims use* since Aug. 5, 1925.

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Ser. No. 219,123. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENNEBERRY & COMPANY, Arkansas City, Kans. Filed Aug. 20, 1925.

ARK

*Particular description of goods.*—Hams, Bacon, Shoulders, and Sausage.

*Claims use* since Jan. 1, 1904.

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Ser. No. 219,125. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KATERINA KRUSIN, Chicago, Ill. Filed Aug. 20, 1925.

KRUSI-NOVA

*Particular description of goods.*—Salve for the Treatment of Open Flesh Wounds and Cuts Including Inflamed and Punctured Flesh Wounds.

*Claims use* since Aug. 17, 1925.

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Ser. No. 219,126. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) A. C. LAWRENCE LEATHER COMPANY, Boston, Mass. Filed Aug. 20, 1925.

ALANAC

*Particular description of goods.*—Leather.

*Claims use* since Dec. 6, 1924.

Ser. No. 219,128. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. ROCKFORD LEWIS, New Orleans, La. Filed Aug. 20, 1925.

SAVE YOUR LIFE

*Particular description of goods.*—Oil for the Treatment of Rheumatism.
*Claims use* since about Jan. 1, 1925.

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Ser. No. 219,143. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROYAL PERFUME COMPANY, INC., New Orleans, La. Filed Aug. 20, 1925.

ROYAL
Kink Out

*Particular description of goods.*—Chemical Preparation for Removal of Kinks, Curls, and Unevenness from Hair.
*Claims use* since Mar. 15, 1923.

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Ser. No. 219,148. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SILMO CHEMICAL CO. INC., Vineland, N. J. Filed Aug. 20, 1925.

COLIVEROL

*Particular description of goods.*—Cod-Liver Oil in Powder Form for Admixture to Stock and Poultry Feed.
*Claims use* since Aug. 1, 1925.

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Ser. No. 219,152. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNNYKLIME FOOD PRODUCTS CO., Minneapolis, Minn. Filed Aug. 20, 1925.

CALIREX

*Particular description of goods.*—Fruit Cookies.
*Claims use* since about Feb. 1, 1925.

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Ser. No. 219,184. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HARVEY H. HEVENOR, New York, N. Y. Filed Aug. 21, 1925.

LATHERIZER

*Particular description of goods.*—Self-Contained Lather Forming and Applicating Apparatus.
*Claims use* since July 15, 1925.

Ser. No. 219,218. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE EUGENE BERNINGHAUS COMPANY, Cincinnati, Ohio. Filed Aug. 22, 1925.

With the exception of "Roxanna" the wording appearing upon the drawing is disclaimed except as and in connection with the trade-mark herein disclosed.
*Particular description of goods.*—Toilet Water.
*Claims use* since July 1, 1922.

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Ser. No. 219,223. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUCILLE BUHL, INC., New York, N. Y. Filed Aug. 22, 1925.

Van-Ex

*Particular description of goods.*—Depilatory.
*Claims use* since Apr. 10, 1925.

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Ser. No. 219,233. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE CROWN CORK AND SEAL COMPANY OF BALTIMORE CITY, Baltimore, Md. Filed Aug. 22, 1925.

FSP

*Particular description of goods.*—Closures for Receptacles.
*Claims use* since March, 1925.



Ser. No. 219,279. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. & T. HARRIS (CALNE) LIMITED, Calne, Wiltshire, England. Filed Aug. 24, 1925. Under ten-year proviso.

HARRIS
CALNE WILTS

The lining does not indicate color, but is a part of the mark as used.
*Particular description of goods.*—Bacon.
*Claims use* since July, 1872.

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Ser. No. 219,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NAAMLOOZE VENNOOTSCHAP HOLLANDSCHE CACAO-EN CHOCOLADEFABRIEKEN VOORHEEN BENSDORP & Co., Amsterdam, Holland. Filed Aug. 24, 1925.

Couverture P. C. 1

*Particular description of goods.*—Chocolate.
*Claims use* since 1895.

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Ser. No. 219,299. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) NOBEL INDUSTRIES, LIMITED, London, England. Filed Aug. 24, 1925.

NOBEL

No claim is made to the exclusive use of the word "Nobel" apart from the mark shown in the drawing.
*Particular description of goods.*—Metals and Metal Castings and Forgings of Ferro-Tungsten Alloy.
*Claims use* since Nov. 1, 1924.

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Ser. No. 219,303. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM F. READ & SONS CO., Philadelphia, Pa. Filed Aug. 24, 1925.

LAMBALLE

*Particular description of goods.*—Woven Worsted Fabrics.
*Claims use* since on or about June 25, 1925.

Ser. No. 219,304. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM F. READ & SONS CO., Philadelphia, Pa. Filed Aug. 24, 1925.

EGLANTINE

*Particular description of goods.*—Woven Worsted Fabrics.
*Claims use* since on or about June 25, 1925.

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Ser. No. 219,313. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE TRAVEL AIR MANUFACTURING CO., INC., Wichita, Kans. Filed Aug. 24, 1925.

TRAVEL AIR

*Particular description of goods.*—Airplanes.
*Claims use* since on or about Mar. 30, 1925.

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Ser. No. 219,357. (CLASS 39. CLOTHING.) TIMGAD COMPANY, Washington, D. C. Filed Aug. 25, 1925.

Timgad

*Particular description of goods.*—Gowns, Women's Coats, Dresses, Skirts, and Waists.
*Claims use* since Apr. 28, 1925.

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Ser. No. 219,363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORRIS WISHNETZKY, New York, N. Y. Filed Aug. 25, 1925.

White Rose
Zimmes

*Particular description of goods.*—Gelatine Desserts.
*Claims use* since June 1, 1925.

Ser. No. 219,374. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE F. J. BRANNEN COMPANY, Cleveland, Ohio. Filed Aug. 26, 1925.

Tattler

*Particular description of goods.*—Liquid-Supply-Indicating Devices.
*Claims use* since Mar. 16, 1925.

Ser. No. 219,383. (CLASS 15. OILS AND GREASES.) D-A LUBRICANT COMPANY, INC., Indianapolis, Ind. Filed Aug. 26, 1925.

D-A LUBRICANT

No claim is made to the word "Lubricant" apart from the mark as shown.
*Particular description of goods.*—Lubricating Greases.
*Claims use* since on or about June 2, 1919.

Ser. No. 219,385. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DOMINION GINGER ALE CORP., New York, N. Y. Filed Aug. 26, 1925.

DOMINION
PALE DRY
Ginger Ale

No claim is made to the words "Pale Dry Ginger Ale" apart from the mark shown in the drawing.
*Particular description of goods.*—Ginger Ale, Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making the Same.
*Claims use* since September, 1923.

Ser. No. 219,404. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL TOILET COMPANY, Paris, Tenn. Filed Aug. 26, 1925.

Nadine

*Particular description of goods.*—Vanishing Cream, Cleansing Cream, Deodorant Cream, Almond Lotion, Hair Shampoo, Talcum Powder, and Powder Compact.
*Claims use* since Apr. 1, 1925.

Ser. No. 219,445. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE OMO MANUFACTURING COMPANY, Middletown, Conn. Filed Aug. 27, 1925.

*Particular description of goods.*—Infants' Rubber Pants and Sanitary Bloomers.
*Claims use* since October, 1908, on infants' rubber pants, and since December, 1923, on bloomers.

Ser. No. 219,446. (CLASS 39. CLOTHING.) THE OMO MANUFACTURING COMPANY, Middletown, Conn. Filed Aug. 27, 1925.

*Particular description of goods.*—Brassières, Children's Bibs, Rubber Kitchen Aprons, Bathing Caps, and Rubber Garters.
*Claims use* since March, 1914, as to brassières; since March, 1912, as to children's bibs; since July, 1920, as to rubber kitchen aprons; since March, 1924, as to bathing caps; and since May, 1925, as to rubber garters.

Ser. No. 219,450. (CLASS 31. FILTERS AND REFRIGERATORS.) PELCO AUTO PRODUCTS, INC., New York, N. Y. Filed Aug. 27, 1925.

PELCO TRADE MARK

The words "Trade-Mark" shown in the drawing are hereby disclaimed.
*Particular description of goods.*—Filters.
*Claims use* since May 25, 1925.

Ser. No. 219,461. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WARWICK MILLS, Centreville, R. I., and Boston, Mass. Filed Aug. 27, 1925.

920

*Particular description of goods.*—Single-Ply Yarn Cotton Voiles.
*Claims use* since Feb. 1, 1912.



Ser. No. 219,462. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WARWICK MILLS, Centreville, R. I., and Boston, Mass. Filed Aug. 27, 1925.

1534

*Particular description of goods.*—Two-Ply Yarn Cotton Voiles.
*Claims use* since Sept. 1, 1914.

Ser. No. 219,463. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WARWICK MILLS, Centreville, R. I., and Boston, Mass. Filed Aug. 27, 1925.

818

*Particular description of goods.*—Two-Ply Yarn Cotton Voiles.
*Claims use* since Sept. 16, 1911.

Ser. No. 219,480. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FLORIDA BOTTLER'S CO., Jacksonville, Fla. Filed Aug. 28, 1925.

BIXCo

*Particular description of goods.*—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks; Extracts, Concentrates, and Sirups for Making the Same.
*Claims use* since June, 1923.

Ser. No. 219,484. (CLASS 39. CLOTHING.) HOFMAYER DRY GOODS CO., Albany, Ga. Filed Aug. 28, 1925.

EVERITE

*Particular description of goods.*—Hosiery for Men, Women, and Children.
*Claims use* since June 8, 1925.

Ser. No. 219,490. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATIONAL COMMODITIES SALES CORPORATION, Philadelphia, Pa. Filed Aug. 28, 1925.

CURLOX
THE PERFECT HAIR NET

No claim is made to the words "The Perfect Hair Net" apart from the mark as shown.
*Particular description of goods.*—Hair Nets.
*Claims use* since about Mar. 1, 1925.



Ser. No. 219,492. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ONEIDA COUNTY CREAMERIES COMPANY, Utica, N. Y. Filed Aug. 28, 1925.

ONECO

*Particular description of goods.*—Canned Vegetables, Rice, Coffee, and Catchup.
*Claims use* since Apr. 11, 1916.

Ser. No. 219,534. (CLASS 39. CLOTHING.) ISIDORE GROSSMAN, doing business as Grossman Clothing Co., New York, N. Y. Filed Aug. 29, 1925.

GeGeCo
PEARL STRIPE

*Particular description of goods.*—Men's Outer Suits.
*Claims use* since about Sept. 15, 1924.

Ser. No. 219,536. (CLASS 39. CLOTHING.) HART, SCHAFFNER & MARX, Chicago, Ill. Filed Aug. 29, 1925.

Blairgowrie

*Particular description of goods.*—Men's Suits and Coats and Women's Coats.
*Claims use* since Aug. 19, 1925.

Ser. No. 219,541. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ADOLF J. MAINZER, INC., Long Island City, N. Y. Filed Aug. 29, 1925.

*Particular description of goods.*—Coatings for Fruit Tarts, Cakes, and Meringues.
*Claims use* since June 5, 1921.

Ser. No. 219,555. (CLASS 39. CLOTHING.) PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed Aug. 29, 1925.

Snuggle

*Particular description of goods.*—Ladies' Underwear of Knitted Fabric and Woven Material, Such as Milanese, Trico Cloth, or Glove Silk, and Which Underwear is Provided with Shoulder Straps, Such As Vests, Corset Covers, Brassières, Step-Ins, and Chemises.
*Claims use* since about May 1, 1925.

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Ser. No. 219,586. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HORROCKS-IBBOTSON CO., Utica, N. Y. Filed Aug. 31, 1925.

HEXI

*Particular description of goods.*—Fishing Rods.
*Claims use* since July 25, 1925.

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Ser. No. 219,600. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. PFEIFFER MFG. CO., St. Louis, Mo. Filed Aug. 31, 1925.

*Twinkle Toe*

*Particular description of goods.*—Medicinal Preparation for the Removal of Corns, Calli, Warts, and Other Analogous Skin Affections.
*Claims use* since Sept. 1, 1924.

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Ser. No. 219,602. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. T. PIVER, INC., Wilmington, Del., and New York, N. Y. Filed Aug. 31, 1925.

FÉTICHE

*Particular description of goods.*—Perfumes, Eau de Toilette, Eau Vegetale, Face Powder, Talcum Powder, Sachet Powder, and Bath Salts.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,607. (CLASS 32. FURNITURE AND UPHOLSTERY.) SIMMONS COMPANY, New York, N. Y. Filed Aug. 31, 1925.

Beautyrest

*Particular description of goods.*—Mattresses.
*Claims use* since June 10, 1925.

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Ser. No. 219,626. (CLASS 17. TOBACCO PRODUCTS.) FREDERICK C. HITCH, New York, N. Y. Filed Sept. 1, 1925.

Ad-Rapt

*Particular description of goods.*—Cigarettes.
*Claims use* since Aug. 28, 1925.

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Ser. No. 219,627. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed Sept. 1, 1925.

VERT GAZON

*Particular description of goods.*—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brilliantine, Face Cream, Rouge, Lotion for the Hair and Skin, and Bath Salts.
*Claims use* since Aug. 28, 1925.

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Ser. No. 219,628. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed Sept. 1, 1925.

BOIS DORMANT

*Particular description of goods.*—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brilliantine, Face Cream, Rouge, Lotion for the Hair and Skin, and Bath Salts.
*Claims use* since Aug. 28, 1925.

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Ser. No. 219,629. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed Sept. 1, 1925.

PRINCESSE DE LEGENDE

*Particular description of goods.*—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brilliantine, Face Cream, Rouge, Lotion for the Hair and Skin, and Bath Salts.
*Claims use* since Aug. 28, 1925.



Ser. No. 219,630. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed Sept. 1, 1925.

CELLE QUE MON COEUR AIME

*Particular description of goods.*—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brilliantine, Face Cream, Rouge, Lotion for the Hair and Skin, and Bath Salts.
*Claims use* since Aug. 28, 1925.

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Ser. No. 219,631. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JIFFY MANUFACTURING COMPANY, Huron, S. Dak. Filed Sept. 1, 1925.

Jiffy

*Particular description of goods.*—Preparation in Liquid Form for Stopping Leaks in Radiators.
*Claims use* since Jan. 1, 1924.

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Ser. No. 219,632. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORTON A. JOHNSON, doing business as The Orton A. Johnson Co., Washington, D. C. Filed Sept. 1, 1925.

ORTONO

*Particular description of goods.*—Mouth Wash, a Pharmaceutical Preparation.
*Claims use* since June 1, 1925.

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Ser. No. 219,662. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ENSEMBLE MANUFACTURING CO., INC., Washington, D. C. Filed Sept. 2, 1925.

Ensemble

*Particular description of goods.*—Skin Lotions, Antiseptic and Soothing Powder, and Face Cream.
*Claims use* since Oct. 1, 1924.

Ser. No. 219,698. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. F. STAUFFER BISCUIT CO., INC., York, Pa. Filed Sept. 2, 1925.

TOM THUMB

*Particular description of goods.*—Pretzels.
*Claims use* since Mar. 25, 1889.

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Ser. No. 219,747. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MYRTLE M. KROH, doing business as C. Irving Kroh Co., Silver Run, Md. Filed Sept. 3, 1925.

EARLY CALL

*Particular description of goods.*—Canned Vegetables.
*Claims use* since Aug. 11, 1925.

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Ser. No. 219,760. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERFECTION BISCUIT COMPANY, Fort Wayne, Ind. Filed Sept. 3, 1925.

ANNIE LAURIE

*Particular description of goods.*—Cookie Cakes.
*Claims use* since Oct. 2, 1915.

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Ser. No. 219,785. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTH GEORGIA PRODUCE COMPANY, Vidalia, Ga. Filed Sept. 3, 1925.

Uncle Joe

*Particular description of goods.*—Wheat Flour.
*Claims use* since August, 1923.

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Ser. No. 219,787. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPERRY FLOUR COMPANY, San Francisco, Calif. Filed Sept. 3, 1925.

Snowflake

*Particular description of goods.*—Cake Flour.
*Claims use* since May, 1925.

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Ser. No. 219,817. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) REUBEN HENRY DENT, London, England. Filed Sept. 4, 1925.

ARDENTE

*Particular description of goods.*—Instruments and Apparatus for the Aid of Deaf Persons.
*Claims use* since Oct. 5, 1923.

Ser. No. 219,838. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSBORNE FRUIT & VEGETABLE CO., Fullerton, Calif. Filed Sept. 4, 1925.

IXL

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit; Fresh Grapes; Melons—Namely, Cantaloupes; Fresh Vegetables—Namely, Tomatoes, Lettuce, Cauliflower, Celery, and Cabbage.
*Claims use* since January, 1925.

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Ser. No. 219,845. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOL H. RUBENSTEIN, doing business as Bar Merchandise Company, New York, N. Y. Filed Sept. 4, 1925.

Companion

## HAIR NET

No claim is made to the exclusive use of the words "Hair Net" apart from the mark as shown.
*Particular description of goods.*—Hair Nets.
*Claims use* since Nov. 10, 1924.

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Ser. No. 219,877. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE F. E. CHESTER MFG. CO., Bellefont and Providence, R. I. Filed Sept. 5, 1925.

## SHURKATCH

*Particular description of goods.*—Fishing Tackle—Namely, Flouts, Lines, Sinkers, and Artificial Bait.
*Claims use* since January, 1924.

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Ser. No. 219,911. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SAMUEL B. REEDER, Washington, D. C. Filed Sept. 5, 1925.

DICKORY-DOCK

*Particular description of goods.*—Board Game.
*Claims use* since about Apr. 16, 1923.

Ser. No. 219,915. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. SIMPSON, SONS & CO., Philadelphia, Pa. Filed Sept. 5, 1925.

CITATION FABRICS

No claim is made to the word "Fabrics" apart from the mark as shown.
*Particular description of goods.*—Silk and Cotton Goods in the Piece.
*Claims use* since Aug. 7, 1925.

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Ser. No. 219,916. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STAUB-RICHARDSON COMPANY, Waukesha, Wis. Filed Sept. 5, 1925.

MELODY FARM

*Particular description of goods.*—Canned Vegetables—Namely, Peas.
*Claims use* since Aug. 10, 1924.

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Ser. No. 219,920. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) L. W. TIFFANY, Winsted, Conn. Filed Sept. 5, 1925.

Get-Ezy

*Particular description of goods.*—Common or Bank Pins Arranged by Being Set Singly and Crosswise in a Coiled Strip of Paper, at More or Less Regular Intervals, for Use in Pin Holders Having a Special Arrangement to Make the Pins Contained Therein Easily Accessible.
*Claims use* since Oct. 1, 1924.

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Ser. No. 220,058. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Sept. 10, 1925.

Jumbo

*Particular description of goods.*—Chewing Gum.
*Claims use* since February, 1899.



Ser. No. 220,100. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AMERICAN FLYER MFG. CO., Chicago, Ill. Filed Sept. 11, 1925.

## EMPIRE EXPRESS

*Particular description of goods.*—Miniature Railroads.
*Claims use* since Jan. 15, 1925.

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Ser. No. 220,112. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE CRAWFORD MCGREGOR AND CANBY COMPANY, Dayton, Ohio. Filed Sept. 11, 1925.

KLAYMOR

The trade-mark consists in the word "Klaymor."
*Particular description of goods.*—Golf Clubs.
*Claims use* since Aug. 28, 1925.

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Ser. No. 220,171. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BARROWS OPTICAL CORPORATION, Providence, R. I. Filed Sept. 12, 1925.

B O C

*Particular description of goods.*—Ophthalmic Mountings.
*Claims use* since Mar. 15, 1925.

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Ser. No. 220,221. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ELECTRO DENTAL MANUFACTURING CO., Philadelphia, Pa. Filed Sept. 14, 1925.

## SENIOR UNIT

*Particular description of goods.*—Dental Equipment.
*Claims use* since August, 1920.

Ser. No. 220,222. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ELECTRO DENTAL MANUFACTURING CO., Philadelphia, Pa. Filed Sept. 14, 1925.

## JUNIOR UNIT

*Particular description of goods.*—Dental Equipment.
*Claims use* since August, 1920.

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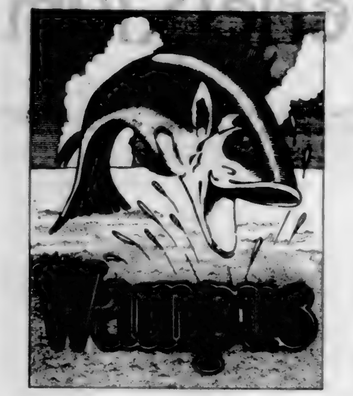
Ser. No. 220,232. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. HALFF & BRO., San Antonio, Tex. Filed Sept. 14, 1925.




*Particular description of goods.*—Bleached Woven Cotton Cloth Commonly Called Bleached Domestics.
*Claims use* since May 15, 1925.

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Ser. No. 220,291. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE JOHN MAWSON HAIR CLOTH CO. INC., Philadelphia, Pa. Filed Sept. 15, 1925.

MAWLASTIK

The mark consists of the word "Mawlastik."
*Particular description of goods.*—Cotton, Wool, and Silk Piece Goods and Combinations of the Same.
*Claims use* since Aug. 15, 1925.

Ser. No. 220,295. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JOHN POWELL, Plymouth, Pa. Filed Sept. 15, 1925. Under ten-year proviso.

POWELL'S

*Particular description of goods.*—Miners' Squibs.
*Claims use* since 1882.

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Ser. No. 220,321. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) POPPER & KLEIN, New York, N. Y. Filed Sept. 16, 1925.

PerfeKtum

*Particular description of goods.*—Hypodermic Syringes.
*Claims use* since Dec. 3, 1924.

Ser. No. 220,348. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MORRIS LUBIN, doing business as Lubinette Knitting Mills, New York, N. Y. Filed Sept. 17, 1925.

Stylo-Sheen

*Particular description of goods.*—Rayon (Artificial Silk) Knitted Materials in the Piece.
*Claims use* since July 24, 1925.

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Ser. No. 220,381. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WOLVERINE BRASS WORKS, Grand Rapids, Mich. Filed Sept. 17, 1925.

WB

*Particular description of goods.*—Screw-Threaded Brass Fittings, Such as Elbows, T's, Couplings, and Unions.
*Claims use* since May, 1922.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

OCTOBER 27, 1925.

204,722. REFRIGERATORS. FRANK L. POLLARD CO., Oakland, Calif.
Filed June 22, 1925. Serial No. 216,211. PUBLISHED AUGUST 18, 1925.

204,723. SWEATERS, TOQUES, AND BATHING SUITS. JERSILD KNITTING COMPANY, Neenah, Wis.
Filed June 20, 1925. Serial No. 216,104. PUBLISHED AUGUST 11, 1925.

204,724. APPARATUS FOR TESTING URINE. FRANK HURWITT, doing business as Atlas Laboratories, Kansas City, Mo.
Filed June 20, 1925. Serial No. 216,100. PUBLISHED AUGUST 4, 1925.

204,725. LUMBER OF ALL KINDS TREATED BY IMPREGNATION WITH WOLMAN SALTS OR OTHER WOOD-PRESERVING AND FIRE-RESISTING PREPARATIONS OR COMPOUNDS OR PLANT, FUNGUS, AND ANIMAL DESTROYING PREPARATIONS OR COMPOUNDS. AMERICAN WOOD IMPREGNATION CORPORATION, New York, N. Y.
Filed June 20, 1925. Serial No. 216,085. PUBLICATION WAIVED.

204,726. SHOE POLISH AND DRESSING. I. MILLER & SONS, INC., Long Island City, N. Y.
Filed June 19, 1925. Serial No. 216,062. PUBLISHED AUGUST 4, 1925.

204,727. SOAP IN PASTE FORM. MARVO-O-SUDS SOAP CO., Boston, Mass.
Filed June 19, 1925. Serial No. 216,059. PUBLISHED AUGUST 4, 1925.

204,728. CONTAINERS USED FOR SUBSTANCES TO WHICH IT IS DESIRABLE TO IMPART THE MEDICINAL VALUE OF RADIOACTIVE EMANATION. DOW-HERRIMAN PUMP AND MACHINERY COMPANY, doing business as Radium Ore Revigator Company, San Francisco, Calif.
Filed June 18, 1925. Serial No. 215,971. PUBLISHED AUGUST 4, 1925.

204,729. SILK HOSIERY. ATLANTIC SILK HOSIERY CO., INC., Paterson, N. J.
Filed June 18, 1925. Serial No. 215,959. PUBLISHED AUGUST 11, 1925.

204,730. SHEEP MANURE. NEBRASKA FERTILIZER CO., Omaha, Nebr.
Filed June 17, 1925. Serial No. 215,941. PUBLISHED AUGUST 4, 1925.

204,731. SOAP. LUCKEL KING & CAKE CO., Portland, Oreg.
Filed June 15, 1925. Serial No. 215,805. PUBLISHED AUGUST 4, 1925.

204,732. DENTAL FLOSS HOLDERS. FLOSSY DENTAL MFG. CO., Evanston, Ill.
Filed June 15, 1925. Serial No. 215,780. PUBLISHED AUGUST 4, 1925.

204,733. MONTHLY MAGAZINE. MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y.
Filed June 12, 1925. Serial No. 215,697. PUBLISHED JULY 28, 1925.

204,734. CHEWING GUM. HEATH PRODUCTS, INC., New York, N. Y.
Filed June 12, 1925. Serial No. 215,692. PUBLISHED AUGUST 18, 1925.

204,735. HOSIERY. A. GOLDWATER & CO., New York, N. Y.
Filed June 12, 1925. Serial No. 215,690. PUBLISHED AUGUST 11, 1925.

204,736. STEEL WOOL. THE WILLIAMS COMPANY, London, Ohio.
Filed June 11, 1925. Serial No. 215,671. PUBLISHED AUGUST 4, 1925.

204,737. CHILDREN'S AND MISSES' DRESSES. THE SCHREIBER WALLACH COMPANY, Cleveland, Ohio.
Filed June 11, 1925. Serial No. 215,657. PUBLISHED AUGUST 4, 1925.

204,738. SOAP. MARTIN PASTERNAK, doing business as Appco Co., New York, N. Y.
Filed June 11, 1925. Serial No. 215,651. PUBLISHED AUGUST 4, 1925.

204,739. WOMEN'S, GIRLS', AND MISSES' UNDERGARMENTS AND CLOTHING - NAMELY, DRESSES, SUITS, SKIRTS, NIGHTGOWNS, PETTICOATS, SLIPS, BODICES, CHEMISES, DRAWERS, COMBINATIONS, BATH ROBES, SHIRT WAISTS, BATHING SUITS, DRESSING GOWNS, SWEATERS, MUFFLERS, HOSIERY, RAINCOATS, SPORT COATS, CAPES, AND COATS MADE OF TEXTILE MATERIAL, AND DRESSES, SUITS, SKIRTS, NIGHTGOWNS, PETTICOATS, SLIPS, BODICES, CHEMISES, DRAWERS, COMBINATIONS, BATH ROBES, SHIRT WAISTS, BATHING SUITS, DRESSING GOWNS, SWEATERS, MUFFLERS, HOSIERY, HATS, AND CAPS MADE OF KNITTED MATERIAL. C. CRAWFORD HOLLIDGE, Boston, Mass.
Filed June 10, 1925. Serial No. 215,568. PUBLISHED AUGUST 4, 1925.

204,740. MONTHLY MAGAZINE. VERNE S. WARRINER, Denver, Colo.
Filed June 9, 1925. Serial No. 215,542. PUBLISHED JULY 28, 1925.

204,741. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS AND BOYS' BLOUSES. ELDER MFG. CO., St. Louis, Mo.
Filed June 8, 1925. Serial No. 215,442. PUBLISHED AUGUST 4, 1925.

204,742. LUBRICATING GREASE. WM. C. ROBINSON & SON CO., Baltimore, Md.
Filed May 22, 1925. Serial No. 214,750. PUBLISHED JULY 21, 1925.

204,743. WASHING POWDER USED IN LAUNDRIES. NICHOLS DETERGENT COMPANY, INCORPORATED, Danville, Ky.
Filed May 18, 1925. Serial No. 214,495. PUBLISHED JULY 28, 1925.

204,744. TABLETS FOR CONSTIPATION. LEWIS A. GROSS, Philadelphia, Pa.
Filed May 16, 1925. Serial No. 214,413. PUBLISHED JULY 21, 1925.

204,745. TABLETS OR CAPSULES FOR PAINS IN THE HEAD. LEWIS A. GROSS, Philadelphia, Pa.
Filed May 16, 1925. Serial No. 214,412. PUBLISHED JULY 21, 1925.

204,746. LIQUID DEODORANT. CLIFTON B. MORSE, doing business as The Tydee Laboratories, Wollaston, Mass.
Filed May 15, 1925. Serial No. 214,376. PUBLISHED JULY 21, 1925.

204,747. WOMEN'S KNIT UNDERWEAR. THE W. S. MILLS COMPANY, Bridgeport, Conn.
Filed May 15, 1925. Serial No. 214,375. PUBLISHED JULY 28, 1925.

204,748. TONIC AND BLOOD MEDICINE. KIRBY-GIFFORD COMPANY, Dallas, Tex.
Filed May 15, 1925. Serial No. 214,368. PUBLISHED JULY 21, 1925.

204,749. PERFUMES. THE TECLA CORPORATION, New York, N. Y.
Filed May 14, 1925. Serial No. 214,340. PUBLISHED JULY 21, 1925.

204,750. SULPHIDE OF SODA. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed May 14, 1925. Serial No. 214,318. PUBLISHED JULY 14, 1925.

204,751. TOILET PREPARATION IN PASTE FORM FOR THE TREATMENT OF THE HANDS, ARMS, AND FACE. M. SCHOEPFER, Paris, France.
Filed May 13, 1925. Serial No. 214,279. PUBLISHED JULY 14, 1925.

204,752. LUBRICATING OILS. THE FOURNIER & WILSON COMPANY, Youngstown, Ohio.
Filed May 13, 1925. Serial No. 214,244. PUBLISHED JULY 14, 1925.

204,753. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,143. PUBLISHED JULY 28, 1925.

204,754. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,141. PUBLISHED JULY 28, 1925.

204,755. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,132. PUBLISHED JULY 28, 1925.

204,756. TOILET SOAP, CASTILE SOAP, AND LAUNDRY SOAP, OIL SOAP, AND SOAP POWDER. HARRIS SOAP COMPANY, Buffalo, N. Y.
Filed May 9, 1925. Serial No. 214,077. PUBLISHED JULY 28, 1925.

204,757. SOAPS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed May 9, 1925. Serial No. 214,068. PUBLISHED AUGUST 4, 1925.

204,758. REAL-ESTATE BONDS. JACOBS REALTY COMPANY, Clarksburg, W. Va., and Zanesville, Ohio.
Filed May 4, 1925. Serial No. 213,786. PUBLISHED JULY 28, 1925.

204,759. BOND PAPER. HARRY R. STANFORD, Washington, D. C.
Filed April 30, 1925. Serial No. 213,596. PUBLISHED JULY 21, 1925.

204,760. STEEL WIRE USED FOR CLEANING AND POLISHING KITCHEN UTENSILS. JOHN W. GOTTSCHALK, Philadelphia, Pa.
Filed April 30, 1925. Serial No. 213,569. PUBLISHED AUGUST 11, 1925.

204,761. LUBRICATING AND ILLUMINATING OILS. VALVOLINE OIL COMPANY, Edgewater, N. J., and New York, N. Y.
Filed May 22, 1925. Serial No. 214,760. PUBLISHED JULY 21, 1925.

204,762. CERTAIN PIECE GOODS. GOODALL WORSTED Co., Sanford, Me., and New York, N. Y.
Filed June 5, 1925. Serial No. 215,368. PUBLISHED AUGUST 11, 1925.

204,763. COTTON PIECE GOODS, COTTON SHEETS, COTTON PILLOWCASES, COTTON BEDSPREADS, COTTON SHEETINGS, CURTAINS MADE OF COTTON LACE, COTTON CURTAIN GOODS, AND COTTON BLANKETS. N. Y. COTTON STORES, INC., New York, N. Y.
Filed June 4, 1925. Serial No. 215,307. PUBLISHED AUGUST 11, 1925.

204,764. ORGANIC MATERIAL USED AS A FERTILIZER. SAMUEL PRICE WETHERILL, Jr., Philadelphia, Pa.
Filed June 3, 1925. Serial No. 215,286. PUBLISHED AUGUST 4, 1925.

204,765. BABBITT, LEAD, BRONZE, AND BRASS. FERER, INC., St. Louis, Mo.
Filed June 3, 1925. Serial No. 215,245. PUBLISHED AUGUST 4, 1925.

204,766. BABBITT, LEAD, BRONZE, AND BRASS. FERER, INC., St. Louis, Mo.
Filed June 3, 1925. Serial No. 215,243. PUBLISHED AUGUST 4, 1925.

204,767. SOLDER. FERER, INC., St. Louis, Mo.
Filed June 3, 1925. Serial No. 215,244. PUBLISHED AUGUST 4, 1925.

204,768. BABBITT, LEAD, BRONZE, AND BRASS. FERER, INC., St. Louis, Mo.
Filed June 3, 1925. Serial No. 215,242. PUBLISHED AUGUST 4, 1925.

204,769. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS. ELDER MFG. CO., St. Louis, Mo.
Filed June 3, 1925. Serial No. 215,236. PUBLISHED AUGUST 11, 1925.

204,770. BOOKLETS IN THE NATURE OF PERIODIC PUBLICATIONS. THE AUTOMOBILE CLUB OF MARYLAND, Baltimore, Md.
Filed June 3, 1925. Serial No. 215,231. PUBLISHED JULY 28, 1925.

204,771. OVERALLS AND JUMPERS. HARRY JACOBSON, New York, N. Y.
Filed June 2, 1925. Serial No. 215,208. PUBLISHED AUGUST 11, 1925.

204,772. MAGAZINE. A. W. SHAW COMPANY, Chicago, Ill.
Filed June 1, 1925. Serial No. 215,186. PUBLISHED JULY 28, 1925.

204,773. THE NAME OF A WEEKLY NEWSPAPER. GAZETTE-REVIEW CO., Atlantic City, N. J.
Filed June 1, 1925. Serial No. 215,146. PUBLISHED JULY 28, 1925.

204,774. OUTING AND WORK SHIRTS, OUTING AND WORK BREECHES, SWEATERS, COTTON PANTS, WOOL PANTS, BELTS FOR PERSONAL WEAR, PUTTIES, LEGGINGS, COATS, KNICKERS, HATS, AND CAPS FOR MEN, WOMEN, AND CHILDREN. SUMMERS MFG. CO., Los Angeles, Calif.
Filed May 29, 1925. Serial No. 215,104. PUBLISHED AUGUST 11, 1925.

204,775. OUTING AND WORK SHIRTS, OUTING AND WORK BREECHES, SWEATERS, COTTON PANTS, WOOL PANTS, BELTS FOR PERSONAL WEAR, PUTTEES, LEGGINGS, KNICKERS, HATS, AND CAPS FOR MEN, WOMEN, AND CHILDREN. SUMMERS MFG. CO., Los Angeles, Calif.
Filed May 29, 1925. Serial No. 215,103. PUBLISHED AUGUST 11, 1925.

204,776. SOAP CHIPS. SWIFT AND COMPANY, Chicago, Ill.
Filed May 28, 1925. Serial No. 215,030. PUBLISHED JULY 14, 1925.

204,777. PUBLICATION ISSUED MONTHLY. ATLANTIC RADIO COMPANY, Boston, Mass.
Filed May 28, 1925. Serial No. 214,991. PUBLISHED JULY 28, 1925.

204,778. LADIES' AND MISSES' COATS, SUITS, SWEATERS, AND DRESSES. JOS. ENGEL CO., New York, N. Y.
Filed May 27, 1925. Serial No. 214,952. PUBLISHED AUGUST 11, 1925.

204,779. MEN'S, YOUTHS', AND BOYS' OUTER GARMENTS—NAMELY, COATS, VESTS, TROUSERS, KNICKERBOCKERS, OVERCOATS, MACKINAWS, JACKETS, AND OVERALLS; CHILDREN'S AND YOUTHS' ROMPERS, AND CHILDREN'S AND MISSES' BLOOMERS. J. SCHOENEMAN, INCORPORATED, Baltimore, Md.
Filed May 26, 1925. Serial No. 214,930. PUBLISHED AUGUST 11, 1925.



204,780. PERIODICALLY PUBLISHED CATALOGUES. MONTGOMERY WARD & CO., INCORPORATED, Chicago, Ill.
Filed May 26, 1925. Serial No. 214,923. PUBLISHED JULY 28, 1925.

204,781. TITLE OF NEWSPAPER PUBLICATION. PUBLIC LEDGER COMPANY, Philadelphia, Pa.
Filed May 25, 1925. Serial No. 214,887. PUBLISHED JULY 28, 1925.

204,782. TINNED FISH AND SALTED FISH. JOSÉ SERRATS, Bermeo, Spain.
Filed February 20, 1925. Serial No. 209,945. PUBLISHED JULY 21, 1925.

204,783. MONTHLY PERIODICAL OF STEAM, ELECTRIC, BOAT, AND BUS LINE TIME-TABLES AND HOTEL DIRECTORY. THE GUIDE PUBLISHING COMPANY, Norwalk, Ohio.
Filed February 18, 1925. Serial No. 209,788. PUBLISHED JULY 21, 1925.

204,784. MATTRESSES. LEO MANN, Central Falls, R. I.
Filed February 17, 1925. Serial No. 209,735. PUBLISHED JUNE 23, 1925.

204,785. LESSON SHEETS FOR INSTRUCTION BY MAIL. MCSWEENY AUTOMOTIVE & ELECTRICAL TRAINING SHOPS, Cincinnati, Ohio.
Filed February 5, 1925. Serial No. 209,134. PUBLISHED MARCH 24, 1925.

204,786. CLOTHING—VIZ, WORK SHIRTS, WORK AND DRESS PANTS; SUITS FOR MEN—VIZ, COATS, VESTS, AND TROUSERS; AND COATS SEPARATELY, OVERALLS AND JACKETS, AND ONE-PIECE COMBINATION OVERALLS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed February 3, 1925. Serial No. 209,061. PUBLISHED AUGUST 4, 1925.

204,787. PROTEIN FOOD PRODUCT WHICH PROMOTES MAMMARY ACTIVITY IN NURSING MOTHERS. THE E. T. PEARSON CORPORATION, New York, N. Y.
Filed January 28, 1925. Serial No. 208,775. PUBLISHED AUGUST 11, 1925.

204,788. CANNED FISH. STANDARD IMPORTS LIMITED, Montreal, Canada.
Filed November 24, 1924. Serial No. 205,795. PUBLISHED MAY 26, 1925.

204,789. SENSITIZED PHOTOGRAPHIC PAPER AND FILMS. POLYGRAPHISCHE GESELLSCHAFT, Laupen, near Berne, Switzerland.
Filed November 11, 1924. Serial No. 205,136. PUBLISHED AUGUST 4, 1925.

204,790. CANDY. SCHUTTER-JOHNSON CANDY CO., Chicago, Ill.
Filed September 20, 1924. Serial No. 202,825. PUBLISHED AUGUST 11, 1925.

204,791. COFFEE. WESTERN PACIFIC FRUIT CO., Honolulu, Territory of Hawaii.
Filed August 23, 1924. Serial No. 201,825. PUBLISHED AUGUST 18, 1925.

204,792. CHOKERS, COLLAR AND CUFF SETS, SCARFS FOR PERSONAL WEAR, IN COTTON, WOOL, AND SILK. THE TENAFLY WEAVERS, INC., Tenafly, N. J.
Filed July 16, 1924. Serial No. 200,126. PUBLISHED AUGUST 11, 1925.

204,793. PERFUME ATOMIZERS. MARCEL FRANCK, Paris, France.
Filed July 2, 1924. Serial No. 199,470. PUBLISHED AUGUST 4, 1925.

204,794. PERFUME ATOMIZERS. MARCEL FRANCK, Paris, France.
Filed July 2, 1924. Serial No. 199,469. PUBLISHED AUGUST 4, 1925.

204,795. CANDY. B. L. JOHNSON & CO., INC., Knoxville, Tenn.
Filed June 30, 1924. Serial No. 199,356. PUBLISHED JULY 28, 1925.

204,796. CALCULATING MACHINES. JEAN BERGMANN, New York, N. Y.
Filed June 20, 1924. Serial No. 198,887. PUBLISHED AUGUST 4, 1925.

204,797. STEMLESS RUBBER BLADDERS USED IN FOOTBALLS, STRIKING BAGS, BASKET BALLS, VOLLEY OR SOCCER BALLS. THE SEAMLESS RUBBER COMPANY, INC., New Haven, Conn.
Filed May 28, 1924. Serial No. 197,782. PUBLISHED JULY 29, 1924.

204,798. WORK SHIRTS. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed March 1, 1924. Serial No. 193,126. PUBLISHED AUGUST 4, 1925.

204,799. SENSITIZED PHOTOGRAPHIC PAPER. WELLINGTON & WARD LTD., Elstree, England.
Filed December 31, 1923. Serial No. 190,324. PUBLISHED AUGUST 11, 1925.

204,800. SENSITIZED PHOTOGRAPHIC PAPER. WELLINGTON & WARD LTD., Elstree, England.
Filed December 31, 1923. Serial No. 190,323. PUBLISHED AUGUST 11, 1925.

204,801. MOTOR TRUCKS. SERVICE MOTOR TRUCK CO., Wabash, Ind.
Filed October 25, 1920. Serial No. 138,786. PUBLISHED JULY 21, 1925.

204,802. FRESH GRAPES. SHAFTER FRUIT CO., Shafter, Calif.
Filed July 6, 1925. Serial No. 216,943. PUBLISHED AUGUST 18, 1925.

204,803. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. J. M. RILEY FRUIT CO., Covina, Calif.
Filed July 6, 1925. Serial No. 216,937. PUBLISHED AUGUST 18, 1925.

204,804. FRESH VEGETABLES. JOHN F. O'KEEFE, doing business as Lowe Ranch, Cupertino, Calif.
Filed July 6, 1925. Serial No. 216,927. PUBLISHED AUGUST 18, 1925.

204,805. CANNED FRUITS. A. SCHLESINGER & SONS, New York, N. Y.
Filed July 3, 1925. Serial No. 216,852. PUBLISHED AUGUST 18, 1925.

204,806. CANNED SALMON. ALASKA CONSOLIDATED CANNERIES, INC., Seattle, Wash.
Filed July 2, 1925. Serial No. 216,758. PUBLISHED AUGUST 18, 1925.

204,807. CANNED SALMON. ALASKA CONSOLIDATED CANNERIES, INC., Seattle, Wash.
Filed July 2, 1925. Serial No. 216,757. PUBLISHED AUGUST 18, 1925.

204,808. CANNED FRUITS, BERRIES, AND VEGETABLES—NAMELY, BARTLETT PEARS, STRAWBERRIES, AND CORN. NORTHWEST CANNING COMPANY, Salem, Oreg.
Filed July 1, 1925. Serial No. 216,742. PUBLISHED AUGUST 18, 1925.

204,809. CANNED FRUIT. TULARE PACKING COMPANY, Tulare, Calif.
Filed June 29, 1925. Serial No. 216,653. PUBLISHED AUGUST 18, 1925.

204,810. CANNED FRUIT. TULARE PACKING COMPANY, Tulare, Calif.
Filed June 29, 1925. Serial No. 216,651. PUBLISHED AUGUST 18, 1925.

204,811. CANNED FRUIT. TULARE PACKING COMPANY, Tulare, Calif.
Filed June 29, 1925. Serial No. 216,650. PUBLISHED AUGUST 18, 1925.

204,812. POWER ACTUATORS FOR OPERATING BRAKE MECHANISM, STEERING MECHANISM, CLUTCH MECHANISM, ETC., OF AUTOMOTIVE LAND VEHICLES, BOATS, AND AIRCRAFT, ETC. BRAGG-KLIESRATH CORPORATION, New York and Long Island City, N. Y.
Filed June 29, 1925. Serial No. 216,582. PUBLISHED AUGUST 11, 1925.

204,813. SOAP POWDERS. SUN SOAP PRODUCTS, INCORPORATED, Staten Island, New York, N. Y.
Filed June 23, 1925. Serial No. 216,299. PUBLISHED AUGUST 4, 1925.

204,814. ENAMELED AND PAINTED SLATE PRODUCTS, PARTICULARLY TOILET PARTITIONS, URINAL STALLS, SHOWER STALLS, SINKS, AND SINK TOPS. THE STRUCTURAL SLATE CO., Pen Argyl, Pa.
Filed June 22, 1925. Serial No. 216,234. PUBLISHED AUGUST 4, 1925.

204,815. DEVICE FOR OBTAINING AN IMPRESSION OF THE CONTOUR OF THE SOLE OF THE FOOT. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed June 22, 1925. Serial No. 216,224. PUBLISHED AUGUST 4, 1925.

204,816. CAN OPENERS. PRECISION METAL WORKERS, Chicago, Ill.
Filed June 22, 1925. Serial No. 216,212. PUBLISHED AUGUST 11, 1925.

204,817. MEN'S AND BOYS' SUITS AND OVERCOATS. J. GOLDSMITH & SONS COMPANY, Memphis, Tenn.
Filed May 25, 1925. Serial No. 214,864. PUBLISHED AUGUST 11, 1925.

204,818. MEN'S BELTS FOR PERSONAL WEAR AND VESTS. WM. JAY TUROFF, New York, N. Y.
Filed May 23, 1925. Serial No. 214,833. PUBLISHED AUGUST 11, 1925.

204,819. MONTHLY MAGAZINE. FRENCH FROLIC PUBLISHING CO., INC., Newark, N. J.
Filed May 23, 1925. Serial No. 214,789. PUBLISHED AUGUST 4, 1925.

204,820. CERTAIN SCREWS AND ROLLED THREAD PARTS, RIVETS, UPSET SHOULDERED PARTS, WIRE PINS, COLD-HEADED PARTS, AND THREADED WIRES. ELCO TOOL AND SCREW CORPORATION, Rockford, Ill.
Filed May 23, 1925. Serial No. 214,787. PUBLISHED AUGUST 4, 1925.

204,821. TRADE MAGAZINES. TRUSCON STEEL COMPANY, doing business as The Truscon Laboratories, Detroit and Hamtramck, Mich.
Filed May 22, 1925. Serial No. 214,758. PUBLISHED JULY 28, 1925.

204,822. PERIODICALS ISSUED WEEKLY. TICKER PUBLISHING COMPANY, New York, N. Y.
Filed May 21, 1925. Serial No. 214,697. PUBLISHED JULY 21, 1925.

204,823. MAGAZINE SECTION. LESLIE-JUDGE COMPANY, New York, N. Y.
Filed May 21, 1925. Serial No. 214,670. PUBLISHED JULY 21, 1925.

204,824. NECKTIES INCLUDING FOUR-IN-HANDS, BATTIES, AND BOW TIES, AND MUFFLERS. DAHLSON NECKWEAR COMPANY, New Orleans, La.
Filed May 20, 1925. Serial No. 214,587. PUBLISHED AUGUST 11, 1925.

204,825. CHILDREN'S OVERALLS. GLADYS HUNTINGTON BEVANS, New York, N. Y.
Filed May 20, 1925. Serial No. 214,581. PUBLISHED AUGUST 4, 1925.

204,826. CERTAIN PIECE GOODS. GOODALL WORSTED CO., Sanford, Me., and New York, N. Y.
Filed May 19, 1925. Serial No. 214,546. PUBLISHED AUGUST 11, 1925.

204,827. SECTION OF A WEEKLY PUBLICATION. EARLE C. ANTHONY, INC., Los Angeles, Calif.
Filed May 14, 1925. Serial No. 214,308. PUBLISHED AUGUST 4, 1925.

204,828. CANDY. UCANCO CANDY CO., Davenport, Iowa.
Filed May 11, 1925. Serial No. 214,190. PUBLISHED AUGUST 11, 1925.

204,829. MEN'S COATS, VESTS, PANTS, AND OVERCOATS. ROSENBERG BROS. & CO., Rochester, N. Y.
Filed May 11, 1925. Serial No. 214,183. PUBLISHED AUGUST 4, 1925.

204,830. MEN'S COATS, VESTS, PANTS, AND OVERCOATS. ROSENBERG BROS. & CO., Rochester, N. Y.
Filed May 11, 1925. Serial No. 214,182. PUBLISHED AUGUST 4, 1925.

204,831. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,144. PUBLISHED JULY 28, 1925.

204,832. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,142. PUBLISHED JULY 28, 1925.

204,833. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,140. PUBLISHED JULY 28, 1925.

204,834. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,139. PUBLISHED JULY 28, 1925.

204,835. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,138. PUBLISHED JULY 28, 1925.

204,836. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,137. PUBLISHED JULY 28, 1925.

204,837. HOSIERY. GIPSY TRAIL CAMP AND COUNTRY CLUB INC., New York, N. Y.
Filed April 18, 1925. Serial No. 212,914. PUBLISHED AUGUST 11, 1925.

204,838. TIERING MACHINES. ECONOMY ENGINEERING COMPANY, Chicago, Ill.
Filed April 18, 1925. Serial No. 212,907. PUBLISHED AUGUST 4, 1925.

204,839. TIERING MACHINES. ECONOMY ENGINEERING COMPANY, Chicago, Ill.
Filed April 18, 1925. Serial No. 212,902. PUBLISHED AUGUST 4, 1925.

204,840. VEGETABLE LARD COMPOUND. PHILIPPINE MANUFACTURING COMPANY, Manila, P. I.
Filed April 16, 1925. Serial No. 212,827. PUBLISHED AUGUST 11, 1925.

204,841. PERFUMERY ATOMIZERS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed April 16, 1925. Serial No. 212,801. PUBLISHED AUGUST 11, 1925.

204,842. PERFUMERY ATOMIZERS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed April 16, 1925. Serial No. 212,799. PUBLISHED AUGUST 4, 1925.

204,843. MAPS. REINCKE-ELLIS CO., Chicago, Ill.
Filed April 13, 1925. Serial No. 212,637. PUBLISHED JULY 21, 1925.

204,844. DOOR HANDLES AND KNOBS, NAME PLATES AND PUSH PLATES FOR DOORS, DOOR ESCUTCHEONS, DOOR KNOCKERS, SPRAYING NOZZLES, PERCOLATOR HANDLES, CASTERS, WALL PLATES, BELL HANDLES, VALVE DISKS AND HANDLES, SALT AND PEPPER SHAKERS, FURNITURE SLIDERS, AND TOILET SEATS. BAKELITE CORPORATION, New York, N. Y.
Filed April 11, 1925. Serial No. 212,528. PUBLISHED AUGUST 11, 1925.



204,845. HANDLES FOR CANES, UMBRELLAS, AND PARASOLS. BAKELITE CORPORATION, New York, N. Y.
Filed April 11, 1925. Serial No. 212,523. PUBLISHED AUGUST 11, 1925.

204,846. PERFUMERY ATOMIZERS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed April 9, 1925. Serial No. 212,433. PUBLISHED AUGUST 4, 1925.

204,847. MISSES' AND CHILDREN'S WEARING APPAREL. BEST & CO., INC., New York, N. Y.
Filed April 8, 1925. Serial No. 212,366. PUBLISHED AUGUST 11, 1925.

204,848. SALAD DRESSINGS AND SANDWICH SPREADS CONSISTING PRINCIPALLY OF SUGAR, EGGS, SPICES, CORN OIL, VINEGAR, PICKLES, AND HAM OR ROAST BEEF. TIKKLE TASTE PRODUCTS COMPANY, Kansas City, Mo.
Filed April 3, 1925. Serial No. 212,162. PUBLISHED AUGUST 11, 1925.

204,849. ELEVATORS AND HOISTS AND PARTS THEREOF. OTIS ELEVATOR COMPANY, Jersey City, N. J., and New York, N. Y.
Filed April 2, 1925. Serial No. 212,097. PUBLISHED AUGUST 4, 1925.

204,850. SOAPS AND DETERGENT MATERIALS—NAMELY, LAUNDRY SOAP, POWDERED SOAP, SHREDDED SOAP, AND PUMICE SOAP. THE DENVER SOAP & MANUFACTURING CO., Denver, Colo.
Filed April 1, 1925. Serial No. 211,988. PUBLISHED JULY 21, 1925.

204,851. CHOCOLATE AND CANDY. BEGUE CONFECTIONERY CO., INC., New York, N. Y.
Filed March 30, 1925. Serial No. 211,824. PUBLISHED AUGUST 11, 1925.

204,852. FUR COATS, STOLES, SCARFS, AND CHOKERS. MORRIS SUSSER, New York, N. Y.
Filed March 25, 1925. Serial No. 211,632. PUBLISHED AUGUST 11, 1925.

204,853. COMBINED SHOW CASE AND ICE BOX. JOSEPH SHARPE, Newark, N. J.
Filed March 20, 1925. Serial No. 211,383. PUBLISHED AUGUST 11, 1925.

204,854. FOODS AND INGREDIENTS OF FOODS, PARTICULARLY DAIRY PRODUCTS—NAMELY, FRESH MILK, BUTTERMILK, FRESH CREAM, WHIPPING CREAM, COTTAGE CHEESE, SALT BUTTER, AND SWEET BUTTER. THE CLOVER MEADOW CREAMERY CO., Cleveland, Ohio.
Filed March 7, 1925. Serial No. 210,645. PUBLISHED AUGUST 11, 1925.

204,855. BARLEY-MALT EXTRACT. THE BAKER-BOLIN COMPANY, Cleveland, Ohio.
Filed March 5, 1925. Serial No. 210,522. PUBLISHED JUNE 30, 1925.

204,856. LIGHT-TONING SCREENS FOR USE IN THE PROJECTION OF MOVING PICTURES AND STEREOPTICON PICTURES IN BUILDINGS, SCHOOLS, AND STUDIOS. REYNOLDS, TESCHNER & VOLK CO., INC., New York, N. Y.
Filed February 25, 1925. Serial No. 210,142. PUBLISHED AUGUST 4, 1925.

204,857. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,136. PUBLISHED JULY 28, 1925.

204,858. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,135. PUBLISHED JULY 28, 1925.

204,859. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,133. PUBLISHED JULY 28, 1925.

204,860. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,131. PUBLISHED JULY 28, 1925.

204,861. COLLARS, CUFFS, AND BOSOMS. REVERSIBLE COLLAR COMPANY, Boston, Mass.
Filed May 9, 1925. Serial No. 214,096. PUBLISHED AUGUST 11, 1925.

204,862. MEN'S AND BOYS' COLLARS, PYJAMAS, NIGHTROBES, UNDERWEAR OF TEXTILE FABRIC, AND SHIRTS—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS. HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y.
Filed May 9, 1925. Serial No. 214,051. PUBLISHED AUGUST 4, 1925.

204,863. A PORTABLE FUEL-SAVING DEVICE TO BE PLACED IN FIRE BOXES. OLOF A. TOFFTEEN, Chicago, Ill.
Filed May 4, 1925. Serial No. 213,813. PUBLISHED JULY 28, 1925.

204,864. A FIXED FUEL-SAVING DEVICE TO BE PLACED IN FIRE BOXES. OLOF A. TOFFTEEN, Chicago, Ill.
Filed May 4, 1925. Serial No. 213,812. PUBLISHED JULY 28, 1925.

204,865. PLATES AND WIRES OF LEAD, TIN, AND THEIR ALLOYS; RAW CASTINGS, CRUDE METALS, AND METAL ALLOYS OF ALL KINDS, ESPECIALLY BEARING METALS, BARS OF LEAD, TIN, AND THEIR ALLOYS. ÖSTERREICHISCHE METALLHÜTTENWERKE AKTIENGESELLSCHAFT, Vienna, Austria.
Filed May 4, 1925. Serial No. 213,796. PUBLISHED JULY 21, 1925.

204,866. CLOTHING — NAMELY, SUITS FOR MEN AND WOMEN AND TROUSERS AND KNICKERS. A. L. KLEIN & BRO., INC., Chicago, Ill.
Filed May 4, 1925. Serial No. 213,788. PUBLISHED AUGUST 4, 1925.

204,867. WOMEN'S DRESSES, WOMEN'S WRAPS, WOMEN'S NEGLIGEES, CHILDREN'S DRESSES AND SUITS, MISSES' WRAPS AND DRESSES, HOSIERY; WOMEN'S, MISSES', AND CHILDREN'S HATS AND BONNETS. RUTH LEVITT, Asheville, N. C.
Filed May 2, 1925. Serial No. 213,714. PUBLISHED AUGUST 11, 1925.

204,868. MEN'S OUTER GARMENTS—TO WIT, OVERALLS, JACKETS, PANTS, AND WORK SHIRTS. COLUMBUS GARMENT MANUFACTURING COMPANY, Columbus, Kans.
Filed May 2, 1925. Serial No. 213,692. PUBLISHED AUGUST 11, 1925.

204,869. BREAKFAST-FOOD PRODUCTS. BESSIE KAUFMAN, New York, N. Y.
Filed April 28, 1925. Serial No. 213,439. PUBLISHED AUGUST 11, 1925.

204,870. SCREWS, BOLTS, NUTS, METAL WASHERS, AND SPRINGS. AUTOMOTIVE MANUFACTURERS OUTLET INC., New York, N. Y.
Filed April 28, 1925. Serial No. 213,423. PUBLISHED AUGUST 11, 1925.

204,871. AUTOMOBILES, INCLUDING PASSENGER AUTOMOBILES, TAXICABS, DELIVERY TRUCKS, AND COMMERCIAL VEHICLES. PREMIER MOTORS, INCORPORATED, Indianapolis, Ind.
Filed April 25, 1925. Serial No. 213,318. PUBLISHED JULY 28, 1925.

204,872. SOAP. NATIONAL COCOANUT SOAP CO., Tacoma, Wash.
Filed April 28, 1925. Serial No. 213,186. PUBLISHED JULY 21, 1925.

204,873. MEN'S, WOMEN'S, AND CHILDREN'S KNITTED SWEATERS. THE CAMPE CORPORATION, New York, N. Y.
Filed April 23, 1925. Serial No. 213,160. PUBLISHED AUGUST 11, 1925.

204,874. PERFUMERY ATOMIZERS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed April 22, 1925. Serial No. 213,128. PUBLISHED AUGUST 4, 1925.

204,875. PAPER BAGS. THE ANCHOR PAPER COMPANY, Cincinnati, Ohio.
Filed April 22, 1925. Serial No. 213,110. PUBLISHED JUNE 2, 1925.

204,876. BOOKLETS ISSUED FROM TIME TO TIME. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill.
Filed April 20, 1925. Serial No. 213,003. PUBLISHED JULY 21, 1925.

204,877. LUBRICATING OILS, GREASES, AND COMPOUNDS. UNION OIL & SUPPLY COMPANY, Milwaukee, Wis.
Filed July 3, 1925. Serial No. 216,858. PUBLISHED AUGUST 11, 1925.

204,878. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS, FOR ILLUMINATING, HEATING, POWER, BURNING, LUBRICATING, GREASING, SOLVENT, SEALING, WAXING, WATERPROOFING, COATING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed July 2, 1925. Serial No. 216,804. PUBLISHED AUGUST 11, 1925.

204,879. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS, FOR ILLUMINATING, HEATING, POWER, BURNING, LUBRICATING, GREASING, SOLVENT, SEALING, WAXING, WATERPROOFING, COATING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed July 2, 1925. Serial No. 216,803. PUBLISHED AUGUST 11, 1925.

204,880. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS, FOR ILLUMINATING, HEATING, POWER, BURNING, LUBRICATING, GREASING, SOLVENT, SEALING, WAXING, WATERPROOFING, COATING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed July 2, 1925. Serial No. 216,802. PUBLISHED AUGUST 11, 1925.

204,881. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS, FOR ILLUMINATING, HEATING, POWER, BURNING, LUBRICATING, GREASING, SOLVENT, SEALING, WAXING, WATERPROOFING, COATING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed July 2, 1925. Serial No. 216,800. PUBLISHED AUGUST 11, 1925.

204,882. PRODUCT USED FOR FILLING AND FINISHING SILK. ONYX OIL & CHEMICAL CO., Jersey City, N. J.
Filed June 24, 1925. Serial No. 216,354. PUBLISHED AUGUST 4, 1925.

204,883. LAXATIVES. EDWARD GORODESS, doing business as The Gray Chemical Company, New York, N. Y.
Filed June 24, 1925. Serial No. 216,335. PUBLISHED AUGUST 4, 1925.

204,884. REMEDY FOR INGROWING TOENAILS AND IRRITATION AROUND THE NAIL GROOVE. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed June 22, 1925. Serial No. 216,226. PUBLISHED AUGUST 4, 1925.

204,885. PERFUMED BATH CRYSTALS, PERFUME, TOILET WATER, POULTRY REMEDY, STOCK REMEDY, STOMACH REMEDY FOR HUMAN BEINGS, AND MEDICINAL BATH CRYSTALS. GLEN H. O'BRIEN, doing business as O'Brien & Company, Los Angeles, Calif.
Filed June 22, 1925. Serial No. 216,208. PUBLISHED AUGUST 4, 1925.

204,886. MOTOR GASOLINE. KARL A. GOHRING, doing business as Toledo Oil & Gas Company, Toledo, Ohio.
Filed June 22, 1925. Serial No. 216,171. PUBLISHED AUGUST 11, 1925.

204,887. EYE CREAMS. GERTRUDE SHYDE, New York, N. Y.
Filed June 20, 1925. Serial No. 216,121. PUBLISHED JULY 28, 1925.

204,888. CERTAIN TOILET PREPARATIONS. BENEDICT A. ROTOLO, Brooklyn, N. Y.
Filed June 20, 1925. Serial No. 216,119. PUBLISHED JULY 28, 1925.

204,889. COMPOUNDS FOR TREATING HEMORRHOIDS. JOSEPH LOWENTHAL, doing business as Albamol Laboratories, Philadelphia, Pa.
Filed June 19, 1925. Serial No. 216,058. PUBLISHED JULY 28, 1925.

204,890. FACE POWDERS. LENTHERIC, INC., New York, N. Y.
Filed June 19, 1925. Serial No. 216,054. PUBLISHED JULY 28, 1925.

204,891. REMEDIES FOR THE TREATMENT OF RHEUMATIC AND GOUTY AFFECTIONS. HEILKRAFT MEDICAL CO., Boston, Mass.
Filed June 19, 1925. Serial No. 216,045. PUBLISHED JULY 28, 1925.

204,892. ANTIPYRETIC, ANALGESIC, AND ANTIRHEUMATIC TABLETS. JOSEPH R. FAMULAR, doing business as Crown Laboratories, Jersey City, N. J.
Filed June 19, 1925. Serial No. 216,035. PUBLISHED JULY 28, 1925.

204,893. PHARMACEUTICAL PREPARATION FOR REMOVING HAIR. IDA WILLCOCKS, doing business as Mme. Raymond, New York, N. Y.
Filed June 18, 1925. Serial No. 216,002. PUBLISHED JULY 28, 1925.

204,894. MEDICINE FOR THE TREATMENT OF COLDS, HEADACHE, TOOTHACHE, EARACHE, RHEUMATISM, LUMBAGO, NEURALGIA, SCIATICA, AND PERIODIC PAINS. EDWIN A. SCHULZ, doing business as Eskalon Company, San Antonio, Tex.
Filed June 18, 1925. Serial No. 215,996. PUBLISHED JULY 28, 1925.

204,895. CERTAIN TOILET PREPARATIONS. LENTHERIC, INC., New York, N. Y.
Filed June 18, 1925. Serial No. 215,988. PUBLISHED JULY 28, 1925.

204,896. PERIODICALS AND MAGAZINES DEVOTED TO TELEPHONE INDUSTRY. INTERNATIONAL TELEPHONE AND TELEGRAPH CORPORATION, New York, N. Y.
Filed July 1, 1925. Serial No. 216,730. PUBLISHED AUGUST 11, 1925.

204,897. PERIODICAL PUBLISHED QUARTERLY DEVOTED TO TELEPHONE INDUSTRY. INTERNATIONAL TELEPHONE AND TELEGRAPH CORPORATION, New York, N. Y.
Filed July 1, 1925. Serial No. 216,729. PUBLISHED AUGUST 11, 1925.



204,898. PERIODICAL PUBLICATION ISSUED EVERY SIX WEEKS. WM. HAHN & CO., Washington, D. C., and Baltimore, Md.
Filed June 27, 1925. Serial No. 216,533. PUBLISHED AUGUST 11, 1925.

204,899. PERIODICAL. EDGAR-MORGAN CO., Memphis, Tenn.
Filed June 27, 1925. Serial No. 216,515. PUBLISHED AUGUST 11, 1925.

204,900. MINIATURE PHOTOGRAPHS. CLARENCE W. HUTTON, doing business as Hutton Photo Stamp Co., Chicago, Ill.
Filed June 25, 1925. Serial No. 216,394. PUBLISHED AUGUST 11, 1925.

204,901. SEMIANNUAL PUBLICATION. THE OIL TRADE JOURNAL, INC., New York, N. Y.
Filed June 23, 1925. Serial No. 216,283. PUBLISHED AUGUST 11, 1925.

204,902. SEMIANNUAL LIST OF MANUFACTURERS. BOARD OF TRUSTEES OF THE PHILADELPHIA MUSEUMS, Philadelphia, Pa.
Filed June 22, 1925. Serial No. 216,143. PUBLISHED AUGUST 11, 1925.

204,903. MONTHLY MAGAZINE. BOARD OF TRUSTEES OF THE PHILADELPHIA MUSEUMS, Philadelphia, Pa.
Filed June 22, 1925. Serial No. 216,142. PUBLISHED AUGUST 11, 1925.

204,904. WEEKLY MAGAZINE. BOARD OF TRUSTEES OF THE PHILADELPHIA MUSEUMS, Philadelphia Pa.
Filed June 22, 1925. Serial No. 216,141. PUBLISHED AUGUST 11, 1925.

204,905. MONTHLY MAGAZINE. BOARD OF TRUSTEES OF THE PHILADELPHIA MUSEUMS, Philadelphia, Pa.
Filed June 22, 1925. Serial No. 216,140. PUBLISHED AUGUST 11, 1925.

204,906. SEMIANNUAL LIST OF MANUFACTURERS. BOARD OF TRUSTEES OF THE PHILADELPHIA MUSEUMS, Philadelphia, Pa.
Filed June 22, 1925. Serial No. 216,139. PUBLISHED AUGUST 11, 1925.

204,907. WINDSHIELD CLEANING PADS. FREDERICK E. WINDSOR, Warren, Pa.
Filed June 8, 1925. Serial No. 215,494. PUBLISHED AUGUST 11, 1925.

204,908. PHARMACEUTICAL PREPARATION FOR THE RELIEF OF ASTHMA, BRONCHITIS, AND HAY FEVER. ANDREAS VON GUNTHER, Seattle, Wash.
Filed June 8, 1925. Serial No. 215,489. PUBLISHED JULY 21, 1925.

204,909. MEDICINAL PREPARATIONS FOR THE TREATMENT OF RHEUMATISM, HIGH BLOOD PRESSURE, RHEUMATIC PAINS, PARALYSIS, ETC. CALVIN S. HEMSTREET, doing business as Paralesen Company, Newport Beach, Calif.
Filed June 3, 1925. Serial No. 215,253. PUBLISHED JULY 21, 1925.

204,910. CERTAIN TOILET PREPARATIONS. LIGHTFOOT SCHULTZ COMPANY, Hoboken, N. J.
Filed June 2, 1925. Serial No. 215,213. PUBLISHED JULY 21, 1925.

204,911. THE NAME OF A DAILY NEWSPAPER. GAZETTE-REVIEW CO., Atlantic City, N. J.
Filed June 1, 1925. Serial No. 215,147. PUBLISHED JULY 28, 1925.

204,912. MEDICINAL PREPARATIONS FOR THE TREATMENT OF TOOTHACHES. CRESCENT PHARMACAL CO., Long Island City, N. Y.
Filed May 29, 1925. Serial No. 215,056. PUBLISHED July 21, 1925.

204,913. MEDICINAL PREPARATIONS FOR BATHS. BALNEO PRODUCTS CO., New York, N. Y.
Filed May 26, 1925. Serial No. 214,907. PUBLISHED July 21, 1925.

204,914. MEDICINAL PREPARATION IN POWDERED FORM FOR TREATMENT OF ACID STOMACH, HIGH BLOOD PRESSURE, NAUSEA, VOMITING, DIABETES, BRIGHT'S DISEASE, AND OTHER TOXÆMIAS. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed May 25, 1925. Serial No. 214,903. PUBLISHED JULY 21, 1925.

204,915. FACE POWDERS. PARFUMERIE ST. DENIS, New York, N. Y.
Filed May 25, 1925. Serial No. 214,896. PUBLISHED JULY 21, 1925.

204,916. TOILET PREPARATIONS, MORE PARTICULARLY SKIN TONIC. WILLIAM O. HURST, doing business as The Youthol Co., New York, N. Y.
Filed May 25, 1925. Serial No. 214,869. PUBLISHED JULY 21, 1925.

204,917. MALT SIRUP FOR FOOD PURPOSES. SIGMUND L. GOLDMAN, doing business as Red Sun Products Co., Chicago, Ill.
Filed May 25, 1925. Serial No. 214,862. PUBLISHED AUGUST 11, 1925.

204,918. GASOLINE. WOFFORD OIL COMPANY, Birmingham, Ala.
Filed May 22, 1925. Serial No. 214,764. PUBLISHED JULY 21, 1925.

204,919. PRESSES OR MACHINES FOR SETTING AND REMOVING EYELETS. EDWARD L. SIBLEY MANUFACTURING COMPANY, Bennington, Vt.
Filed April 25, 1925. Serial No. 213,326. PUBLISHED JULY 21, 1925.

204,920. COMPOUND USED IN THE FOOT BATH AS A TREATMENT FOR ODOROUS, BURNING, TIRED, SWOLLEN, AND TENDER FEET. CLAUDE RIVINGTON ACFIELD, New York, N. Y.
Filed April 22, 1925. Serial No. 213,108. PUBLISHED JULY 28, 1925.

204,921. HEALING OIL FOR EXTERNAL USE. UNIMAGINABLE HEALING OIL MFG. CO., Little Rock, Ark.
Filed April 21, 1925. Serial No. 213,105. PUBLISHED AUGUST 4, 1925.

204,922. PERFUMERY AND TOILET WATER—NAMELY, COLOGNE, COLOGNE WATERS, AND EXTRACTS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed April 16, 1925. Serial No. 212,798. PUBLISHED JULY 21, 1925.

204,923. HAIR RESTORER. JOSEPH ROANE, Vancouver, Wash.
Filed April 11, 1925. Serial No. 212,574. PUBLISHED JULY 28, 1925.

204,924. HOUSEHOLD FURNITURE—NAMELY, TABLES, CHAIRS, AND BUFFETS. THE LEONARDO CO. INC., New York, N. Y.
Filed April 11, 1925. Serial No. 212,562. PUBLISHED JULY 28, 1925.

204,925. LUMBER DRESSED OR ROUGH. CENTRAL COAL AND COKE COMPANY, Kansas City, Mo.
Filed March 31, 1925. Serial No. 211,901. PUBLISHED AUGUST 4, 1925.

204,926. REMEDY FOR HEADACHES, NEURALGIA, AND COLDS. YUM CHEMICAL COMPANY, INCORPORATED, Brooklyn, N. Y.
Filed March 25, 1925. Serial No. 211,650. PUBLISHED JULY 28, 1925.

204,927. WATER HEATERS AND STEAM GENERATORS AND PARTS THEREOF. KAMWATER HEATER MFGR. CO. INC., Brooklyn, N. Y.
Filed March 16, 1925. Serial No. 211,107. PUBLISHED AUGUST 4, 1925.

204,928. HOUSEHOLD FURNITURE. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed March 3, 1925. Serial No. 210,432. PUBLISHED JULY 21, 1925.

204,929. HOSIERY. TIP-ART COMPANY, INCORPORATED, Buffalo, N. Y.
Filed February 25, 1925. Serial No. 210,148. PUBLISHED JULY 14, 1925.

204,930. RUG CUSHIONS AND RUG PADS. THE E. W. SUTTON CARPET LINING CORPORATION, Brooklyn, N. Y.
Filed February 20, 1925. Serial No. 209,948. PUBLISHED AUGUST 4, 1925.

204,931. LEATHER FOR VARIOUS PURPOSES, IN ITS NATURAL AND MANUFACTURED STATE. THE AMERICAN OAK LEATHER CO., Cincinnati, Ohio.
Filed February 13, 1925. Serial No. 209,523. PUBLISHED JUNE 23, 1925.

204,932. ENVELOPES AND FILING CONTAINERS. UNIVERSAL PAPER GOODS COMPANY, Los Angeles, Calif.
Filed February 7, 1925. Serial No. 209,255. PUBLISHED JULY 28, 1925.

204,933. CERTAIN TOILET PREPARATIONS. NORDA ESSENTIAL OIL AND CHEMICAL CO., INC., New York, N. Y.
Filed February 2, 1925. Serial No. 208,994. PUBLISHED JULY 28, 1925.

204,934. PAPER ITEMS—NAMELY, DOILIES, MANILA PAPER, PAPER NAPKINS, PAPER TOWELS, WATERPROOF WRAPPING PAPER, WAX PAPER, AND WRAPPING PAPER. B. A. RAILTON CO., Chicago, Ill.
Filed November 24, 1924. Serial No. 205,782. PUBLISHED JULY 21, 1925.

204,935. CHEMICAL COMPOUND FOR CLEANING OIL WELLS. F. DALY SULLIVAN, doing business as The Sullivan Company, Memphis, Tenn.
Filed October 30, 1924. Serial No. 204,638. PUBLISHED JULY 28, 1925.

204,936. SHAMPOO. HARRY W. PAPE, doing business as The Fluff Co., Cincinnati, Ohio.
Filed June 7, 1924. Serial No. 198,247. PUBLISHED JULY 28, 1925.

204,937. CHECK BOOKS AND OTHER BLANK BOOKS IN BOUND FORM. BENJAMIN D. BENSON & SONS, INC., New York, N. Y.
Filed May 21, 1924. Serial No. 197,354. PUBLISHED JULY 28, 1925.

204,938. EXTERNAL REMEDY FOR TREATMENT OF THE FEET. EDWARD WESLEY & COMPANY, Cincinnati, Ohio.
Filed March 19, 1924. Serial No. 194,092. PUBLISHED JULY 28, 1925.

204,939. MOUTH WASH. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed March 24, 1923. Serial No. 177,944. PUBLISHED JULY 21, 1925.

204,940. SHOE-SHINING POLISH. WALLIN MFG. CO., St. Paul, Minn.
Filed November 20, 1922. Serial No. 172,807. PUBLISHED MARCH 17, 1925.

204,941. COLD CREAMS, VANISHING CREAMS, DEPILATORIES, AND CERTAIN OTHER TOILET ARTICLES. BLUE BIRD INC. PERFUMERS, New York, N. Y.
Filed November 1, 1922. Serial No. 171,779. PUBLISHED JUNE 26, 1923.

204,942. OINTMENT FOR ACNE AND OTHER SKIN DISEASES. BLUE BIRD INC. PERFUMERS, New York, N. Y.
Filed October 17, 1922. Serial No. 170,804. PUBLISHED JUNE 19, 1923.

204,943. LUBRICATING OILS, CUP GREASE, AND AXLE GREASE FOR MOTOR-DRAWN VEHICLES AND ENGINES. JOS. BUTZ & SON, Brownsville, Tex.
Filed August 26, 1924. Serial No. 201,880. PUBLISHED NOVEMBER 18, 1924.

204,944. SOAP. SAMUEL M. HERMAN, doing business as S. M. Herman Mfg. Co., New York, N. Y.
Filed June 4, 1924. Serial No. 198,066. PUBLISHED JULY 28, 1925.

204,945. TOILET PAPER. DIAMOND PAPER COMPANY, LTD., New Orleans, La.
Filed May 1, 1924. Serial No. 196,368. PUBLISHED FEBRUARY 17, 1925.

204,946. STOVE BLACKING. STUART PRODUCTS CO. INC., New York, N. Y., and Jersey City, N. J.
Filed April 21, 1924. Serial No. 195,918. PUBLISHED JANUARY 20, 1925.

204,947. GASOLINE, ENGINE AND MOTOR FUEL OILS. HAROLD C. BELLOWS, Bay City, Mich.
Filed March 31, 1924. Serial No. 194,687. PUBLISHED JULY 22, 1924.

204,948. COUGH SIRUP, GENERAL SYSTEM TONIC AND BLOOD PURIFIER, AND ANTISEPTIC HEALING SALVE. MAUD M. FAIRBANKS, Worcester, Mass.
Filed March 27, 1924. Serial No. 194,531. PUBLISHED OCTOBER 28, 1924.

204,949. ANTISEPTICS AND DEODORANTS. THE HYDROSAL LABORATORIES CO., Cincinnati, Ohio.
Filed February 9, 1924. Serial No. 192,074. PUBLISHED JULY 14, 1925.

204,950. OINTMENT FOR THE TREATMENT OF CUTS, BRUISES, BURNS, BOILS, FELONS, ECZEMA, AND ANALOGOUS AILMENTS. LILLIE J. THOMPSON, Tyrone, Pa.
Filed July 13, 1923. Serial No. 183,178. PUBLISHED DECEMBER 2, 1924.

204,951. SALT. ALEX. KERR BROTHER & CO. INC., Philadelphia, Pa.
Filed May 18, 1923. Serial No. 180,802. PUBLISHED FEBRUARY 24, 1925.

204,952. CERTAIN GLASS SETS. FRANKLIN NOVELTIES, INC., Philadelphia, Pa.
Filed January 26, 1925. Serial No. 208,648. PUBLISHED JUNE 16, 1925.

204,953. CANNED, SALT, DRIED, AND SMOKED FISH; CANNED OYSTERS, CANNED CRAB, CANNED SHRIMP, CANNED TUNNY, CANNED SARDINES, AND CANNED SALMON; CANNED AND BOTTLED FRUITS AND VEGETABLES, CANNED AND BOTTLED OLIVES, OLIVE OIL, COTTONSEED OIL, CORN OIL, VINEGAR, PICKLES, JELLIES, AND JAMS. H. JANSSEN & Co., San Francisco, Calif.
Filed January 14, 1925. Serial No. 208,102. PUBLISHED AUGUST 11, 1925.

204,954. COTTON PIECE GOODS. MARCUS BROTHERS, doing business as Marbro Mills, New York, N. Y.
Filed January 9, 1925. Serial No. 207,873. PUBLISHED MAY 12, 1925.

204,955. CERTAIN TOILET PREPARATIONS. FRANK L. BETTS, doing business as Day Light Laboratories, St. Louis, Mo.
Filed January 5, 1925. Serial No. 207,647. PUBLISHED JULY 14, 1925.

204,956. A WEEKLY PERIODICAL DEVOTED TO SUBJECTS RELATING TO THE MANUFACTURING AND MARKETING OF AUTOMOTIVE PRODUCTS. THE CLASS JOURNAL COMPANY, New York, N. Y.
Filed December 18, 1924. Serial No. 206,879. PUBLISHED JULY 28, 1925.

204,957. LIQUID CLEANSING COMPOUNDS AND DETERGENTS FOR USE ON GLASS, PORCELAIN, TILE, AND THE LIKE. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed November 18, 1924. Serial No. 205,239. PUBLISHED JULY 28, 1925.



204,958. PREPARATIONS FOR WASHING AND SCOURING PURPOSES, SOAPS, AND WASHING POWDERS. HENKEL & CIE. GESELLSCHAFT MIT BESCHRÄNKETER HAFTUNG, Dusseldorf-Holthausen, Germany.
Filed September 17, 1924. Serial No. 202,703. PUBLISHED JULY 28, 1925.

204,959. LINEN BOND PAPER. GENERAL PAPER & CORDAGE COMPANY, Pittsburgh, Pa.
Filed May 19, 1925. Serial No. 214,545. PUBLISHED JULY 28, 1925.

204,960. ANTISEPTIC. EDWARD P. DAVIES, Austin, Tex.
Filed May 16, 1925. Serial No. 214,401. PUBLISHED JULY 28, 1925.

204,961. POROUS PLASTERS FOR THE TREATMENT OF COUGHS, COLDS, BACKACHE, PLEURISY, RHEUMATISM, AND ASTHMA. THE DEANE PLASTER CO., Yonkers, N. Y.
Filed May 15, 1925. Serial No. 214,353. PUBLISHED JULY 28, 1925.

204,962. COLLAPSIBLE AND INFLATABLE BOATS. AIRSHIPS INCORPORATED, Hammondsport, N. Y.
Filed May 15, 1925. Serial No. 214,348. PUBLISHED AUGUST 4, 1925.

204,963. PERFUMERY. S. S. PIERCE CO., Boston, Mass.
Filed May 14, 1925. Serial No. 214,337. PUBLISHED JULY 28, 1925.

204,964. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH POWDER, AND BATH SALTS. S. S. PIERCE CO., Boston, Mass.
Filed May 13, 1925. Serial No. 214,272. PUBLISHED JULY 21, 1925.

204,965. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH POWDER, AND BATH SALTS. S. S. PIERCE CO., Boston, Mass.
Filed May 13, 1925. Serial No. 214,269. PUBLISHED JULY 21, 1925.

204,966. SEAL PRESSES. ABRAHAM KASMAN, New York, N. Y.
Filed May 13, 1925. Serial No. 214,255. PUBLISHED JULY 28, 1925.

204,967. PORTLAND CEMENT. THE ASSOCIATED PORTLAND CEMENT MANUFACTURERS, LIMITED, Westminster, London, England.
Filed May 11, 1925. Serial No. 214,117. PUBLISHED AUGUST 4, 1925.

204,968. COAL. DIAMOND COAL COMPANY, Providence, Ky.
Filed May 9, 1925. Serial No. 214,060. PUBLISHED AUGUST 4, 1925.

204,969. BUILDING PAPER. THE BARBER ASPHALT COMPANY, Philadelphia, Pa.
Filed May 9, 1925. Serial No. 214,048. PUBLISHED AUGUST 4, 1925.

204,970. COMPOUNDS FOR DAMPPROOFING OF INTERIOR SURFACES. ETERNITE CHEMICAL PRODUCTS CORPORATION, New York, N. Y.
Filed May 7, 1925. Serial No. 213,958. PUBLISHED AUGUST 4, 1925.

204,971. COMPOUNDS FOR DAMPPROOFING OF EXTERIOR SURFACES. ETERNITE CHEMICAL PRODUCTS CORPORATION, New York, N. Y.
Filed May 7, 1925. Serial No. 213,957. PUBLISHED AUGUST 4, 1925.

204,972. COAL. EASTERN COAL COMPANY, Frankfort, Ind.
Filed May 6, 1925. Serial No. 213,895. PUBLISHED AUGUST 4, 1925.

204,973. BOX STATIONERY. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed May 6, 1925. Serial No. 213,885. PUBLISHED JULY 28, 1925.

204,974. COMPOSITION ROOFING SHINGLES AND ROOFING FASTENERS. THE BEAVER PRODUCTS COMPANY, INCORPORATED, Buffalo, N. Y.
Filed May 5, 1925. Serial No. 213,828. PUBLISHED AUGUST 4, 1925.

204,975. WOOD SHINGLES. CREO-DIPT COMPANY, INC., North Tonawanda, N. Y.
Filed May 2, 1925. Serial No. 213,696. PUBLISHED AUGUST 4, 1925.

204,976. OXYACETYLENE CUTTING APPARATUS. AIR REDUCTION COMPANY, INCORPORATED, New York, N. Y.
Filed May 2, 1925. Serial No. 213,678. PUBLISHED AUGUST 4, 1925.

204,977. OXYACETYLENE CUTTING APPARATUS. AIR REDUCTION COMPANY, INCORPORATED, New York, N. Y.
Filed May 2, 1925. Serial No. 213,677. PUBLISHED AUGUST 4, 1925.

204,978. COMPACT CASES, REFILLS, AND TOILET POWDERS, INCLUDING DUSTING POWDER AND POWDER SACHET. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed May 1, 1925. Serial No. 213,630. PUBLISHED JULY 21, 1925.

204,979. TOILET SOAP. BILLY B. VAN, Newport, N. H.
Filed April 28, 1925. Serial No. 213,464. PUBLISHED AUGUST 11, 1925.

204,980. PREPARATION FOR RHEUMATISM, TONSILLITIS, ASTHMA, SPRAINS, CUTS, COUGHS, COLDS, PILES, HEADACHE, AND BACKACHE. MRS. JENNIE HALL, San Pedro, Calif.
Filed April 28, 1925. Serial No. 213,438. PUBLISHED JULY 14, 1925.

204,981. CLEANING FLUIDS ESPECIALLY DESIGNED FOR CLEANING FABRICS. BIRCHARD CHEMICAL WORKS, Hartford, Conn.
Filed April 24, 1925. Serial No. 213,220. PUBLISHED JULY 28, 1925.

204,982. POLISHING AND CLEANING MATERIAL IN BOTH POWDER AND LIQUID FORM FOR CLEANING FABRICS, PAINTED SURFACES, AND FOR POLISHING METALS. ED SIMMONS, Atlanta, Ga.
Filed April 15, 1925. Serial No. 212,757. PUBLISHED JULY 28, 1925.

204,983. CHOCOLATE-COATED ICE CREAM. PURITY ICE CREAM CO., Kansas City, Mo.
Filed April 6, 1925. Serial No. 212,294. PUBLISHED JUNE 9, 4925.

204,984. THREAD. THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C.
Filed April 2, 1925. Serial No. 212,074. PUBLISHED JULY 14, 1925.

204,985. LUBRICATING OILS AND LUBRICATING GREASES. THE DENVER POWERINE COMPANY, Denver, Colo.
Filed March 31, 1925. Serial No. 211,906. PUBLISHED JULY 14, 1925.

204,986. CERTAIN TOILET PREPARATIONS. VINCENT COGLIANES, doing business as Bird of Paradise Preparations, Chicago, Ill.
Filed March 27, 1925. Serial No. 211,734. PUBLISHED JULY 14, 1925.

204,987. CERTAIN TOILET PREPARATIONS. V. VIVAUDOU, INC., New York, N. Y.
Filed March 26, 1925. Serial No. 211,727. PUBLISHED JULY 21, 1925.

204,988. TOILET POWDER. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed March 26, 1925. Serial No. 211,654. PUBLISHED JULY 21, 1925.

204,989. LIQUID CLEANSING COMPOUNDS AND DETERGENTS FOR USE ON GLASS, PORCELAIN, TILE, AND THE LIKE. STANDARD OIL COMPANY NEW JERSEY), Bayonne, N. J.
Filed March 23, 1925. Serial No. 211,511. PUBLISHED JULY 28, 1925.

204,990. LIQUID CLEANSING COMPOUNDS AND DETERGENTS FOR USE ON GLASS, PORCELAIN, TILE, AND THE LIKE. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed March 23, 1925. Serial No. 211,501. PUBLISHED JULY 28, 1925.

204,991. CHEMICALS FOR CURING MEATS, PRESERVATIVES, ANTISEPTICS, ANTIFERMENTS, BACTERICIDES, INSECTICIDES, ANTIZYMOTICS, GERMICIDES, ANTIMOLDS, AND DISINFECTANTS. THE PRESERVALINE MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed February 18, 1925. Serial No. 209,814. PUBLISHED JUNE 23, 1925.

204,992. THROAT CONFECTION USEFUL IN COUGH, COLDS, HOARSENESS, AND TICKLING AND HUSKINESS OF THE THROAT. FRANK A. GARDNER, doing business as F. A. Gardner & Co., Riverside, Calif.
Filed February 11, 1925. Serial No. 209,395. PUBLISHED JULY 14, 1925.

204,993. WATER-STAIN REMOVER AND GREASE-STAIN REMOVER. IRVING BLECHMAN, New York, N. Y.
Filed February 7, 1925. Serial No. 209,196. PUBLISHED JULY 28, 1925.

204,994. SOAP. NATIONAL DEPARTMENT STORES, INC., doing business as Nadsco Perfumeries, New York, N. Y.
Filed February 6, 1925. Serial No. 209,172. PUBLISHED AUGUST 4, 1925.

204,995. MEDICINE FOR CORRECTING INDIGESTION AND AILMENTS PRODUCED BY DISORDERS OF THE STOMACH AND BOWELS. BARNETT R. YOUNG, Brownwood, Tex.
Filed February 2, 1925. Serial No. 209,014. PUBLISHED JULY 7, 1925.

204,996. SEWING MACHINES. DAVID BESWICK, Brooklyn, N. Y.
Filed February 2, 1925. Serial No. 208,952. PUBLISHED MAY 5, 1925.

204,997. SOAPS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed January 28, 1925. Serial No. 208,753. PUBLISHED MAY 5, 1925.

204,998. TISSUE BUILDER AND FOOD STIMULANT. GEORGE FIERHELLER, doing business as The Olajen Co., Buffalo, N. Y.
Filed January 17, 1925. Serial No. 208,692. PUBLISHED JULY 14, 1925.

204,999. TOILET LOTIONS, TOILET WATER, TALC POWDER, AND BATH SALTS. H. & G. KLOTZ, doing business as Ed. Pinaud, Paris, France, and New York, N. Y.
Filed June 18, 1925. Serial No. 215,986. PUBLISHED AUGUST 11, 1925.

205,000. WATER HEATERS AND AUTOMATIC FUEL CONTROLS FOR WATER HEATERS. OSCAR SCHWIMMER, doing business as Advice Machine and Manufacturing Company, Los Angeles, Calif.
Filed June 9, 1925. Serial No. 215,534. PUBLISHED AUGUST 4, 1925.

205,001. LIQUID FOOT MEDICINE. HOMER E. JESSUP, Atlanta, Ga.
Filed June 8, 1925. Serial No. 215,465. PUBLISHED JULY 28, 1925.

205,002. LAXATIVE. THE REINSCHILD CHEMICAL CO., New York, N. Y.
Filed June 6, 1925. Serial No. 215,418. PUBLISHED JULY 28, 1925.

205,003. AUTOMOBILE BODIES. THE MILLSPAUGH & IRISH CORPORATION, Indianapolis, Ind.
Filed June 6, 1925. Serial No. 215,415. PUBLISHED AUGUST 4, 1925.

205,004. CANDY LAXATIVE. ABRAHAM NEWHOUSE, doing business as My-Frut Manufacturing Co., Brooklyn, N. Y.
Filed June 5, 1925. Serial No. 215,379. PUBLISHED JULY 28, 1925.

205,005. GREASELESS HEALING CREAM. RICHARD COE, Newark, N. J.
Filed June 5, 1925. Serial No. 215,333. PUBLISHED JULY 28, 1925.

205,006. WOMEN'S TONIC. W. OLVERA ZUNIGA, doing business as Olvera Drug Co., El Paso, Tex.
Filed June 4, 1925. Serial No. 215,825. PUBLISHED JULY 28, 1925.

205,007. INSECT POWDER. BONNELLE W. RHAMY, doing business as The Peacock Chemical Products Company, Fort Wayne, Ind.
Filed June 4, 1925. Serial No. 215,312. PUBLISHED JULY 28, 1925.

205,008. COAL. C. W. HENDLEY & COMPANY, INCORPORATED, Baltimore, Md.
Filed June 4, 1925. Serial No. 215,300. PUBLISHED AUGUST 4, 1925.

205,009. PAPER NAPKINS. THE PAPER NOVELTY COMPANY, Green Bay, Wis.
Filed June 2, 1925. Serial No. 215,218. PUBLISHED JULY 28, 1925.

205,010. DISINFECTANT AND DEODORANT. MACKIE PINE OIL SPECIALTY CO., INC., Covington, La.
Filed May 29, 1925. Serial No. 215,078. PUBLISHED JULY 28, 1925.

205,011. COMPOSITION FOR TREATING TEXTILE FABRICS. VALENTINE & COMPANY, New York, N. Y.
Filed May 28, 1925. Serial No. 215,035. PUBLISHED JULY 28, 1925.

205,012. BURNERS AND BURNER ACCESSORIES. SWORD & KIMBER COMPANY, Philadelphia, Pa.
Filed May 28, 1925. Serial No. 215,031. PUBLISHED AUGUST 4, 1925.

205,013. COAL. THE CONSOLIDATION COAL COMPANY, New York, N. Y.
Filed May 28, 1925. Serial No. 215,001. PUBLISHED AUGUST 11, 1925.

205,014. SAFETY PAPER. WALTHER & COMPANY, INC., New York, N. Y.
Filed May 26, 1925. Serial No. 214,935. PUBLISHED JULY 28, 1925.

205,015. EYE LOTION. FAYRO LABORATORIES, INC., doing business as The Iris Company, Pittsburgh, Pa.
Filed May 26, 1925. Serial No. 214,915. PUBLISHED JULY 28, 1925.

205,016. INSECTICIDE. SAM BLAIR, doing business as Anti-Insect Co., Watertown, Tenn.
Filed May 26, 1925. Serial No. 214,909. PUBLISHED JULY 28, 1925.

205,017. MINERAL POULTRY GRIT. JACOB RITTER, doing business as Centerville Gypsum Company, Centerville, Iowa.
Filed May 20, 1925. Serial No. 214,619. PUBLISHED AUGUST 11, 1925.

205,018. WIRE ROPE. MACWHYTE COMPANY, Kenosha, Wis.
Filed May 20, 1925. Serial No. 214,603. PUBLISHED JULY 28, 1925.

**[ACT OF MARCH 19, 1920, SEC. 1 (b)].**
**THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.**

205,019. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PURITY EXTRACT & TONIC CO., Chattanooga, Tenn. Filed July 11, 1921. Serial No. 150,251.

IRON COLA

*Particular description of goods.*—Nonalcoholic Maltless Beverage Sold as a Soft Drink.
*Claims use* since Apr. 1, 1921.

205,020. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE EVERLAST SPORTING GOODS MANUFACTURING CO., New York, N. Y. Filed July 23, 1924. Serial No. 200,388.

EVERLAST

*Particular description of goods.*—Sporting Goods and Exercising Devices.
*Claims use* since 1914.

205,021. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KIRSCH MANUFACTURING COMPANY, Sturgis, Mich. Filed Aug. 11, 1924. Serial No. 201,241.

StippleTone

*Particular description of goods.*—Metal Curtain Rods.
*Claims use* since June 7, 1924.

205,022. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ALBERT B. CHANCE, doing business as Chance Company, Centralia, Mo. Filed Aug. 18, 1924. Serial No. 201,539.

TWINEYE

*Particular description of goods.*—Anchor Rods.
*Claims use* since July 20, 1922.

205,023. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) LEON HEMPLE, doing business as "Wash-Rite" Products Mfg. Co., St. Louis, Mo. Filed Aug. 20, 1924. Serial No. 201,662.

"WASH-RITE"

*Particular description of goods.*—Automobile Mops.
*Claims use* since Oct. 1, 1923.

205,024. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MARTHA MATILDA HARPER, Rochester, N. Y. Filed Aug. 29, 1924. Serial No. 202,009.

HARPER METHOD

*Particular description of goods.*—Hairbrushes.
*Claims use* since Sept. 1, 1921.

205,025. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE T. H. SYMINGTON CO., New York and Rochester, N. Y., assignor to The Symington Company, a Corporation of Maryland. Filed Oct. 10, 1924. Serial No. 203,899.

FARLOW

*Particular description of goods.*—Malleable Castings.
*Claims use* since December, 1906.

205,026. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EVERLASTING VALVE COMPANY, Jersey City, N. J. Filed Oct. 13, 1924. Serial No. 203,802.

*Particular description of goods.*—Valves for Boiler and Other High-Pressure Purposes.
*Claims use* since Sept. 10, 1924.

205,027. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HALL-DAW MFG. CO., Buffalo, N. Y. Filed Oct. 30, 1924. Serial No. 204,608.

KORECT AIR

*Particular description of goods.*—Air-Pressure Gauges.
*Claims use* since Aug. 1, 1924.

205,028. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENT, AND PROJECTILES.) JÖNKÖPINGS OCH VULCANS TÄNDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 13, 1924. Serial No. 205,210.

Jönköping Brand

*Particular description of goods.*—Matches.
*Claims use* since Sept. 16, 1924.

205,029. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANC-CO PRESERVING CO., Birmingham, Ala. Filed Dec. 5, 1924. Serial No. 206,271.

BAMA

*Particular description of goods.*—Fruit Jellies, Fruit Preserves.
*Claims use* since Sept. 15, 1924.

205,030. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WARNER BROTHERS PICTURES, INC., New York, N. Y. Filed Jan. 15, 1925. Serial No. 208,171.

Classics of the Screen

*Particular description of goods.*—Motion-Picture Films.
*Claims use* since Sept. 15, 1922.

205,031. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) NORTHBORO BRUSH CO., Northboro, Mass. Filed Apr. 1, 1925. Serial No. 212,021.

Gantshed

*Particular description of goods.*—Toothbrushes.
*Claims use* since Aug. 14, 1924.

205,032. (CLASS 25. LOCKS AND SAFES.) BEST UNIVERSAL LOCK CO., Seattle, Wash. Filed Apr. 7, 1925. Serial No. 212,317.

BEST

*Particular description of goods*—Locks, Keys, and Parts of Locks.
*Claims use* since Oct. 1, 1923.

205,033. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HARRY H. FUHRMAN, Philadelphia, Pa. Filed May 6, 1925. Serial No. 213,897.

"The Fuhrman Gift to the Bride"

*Particular description of goods.*—Box of Manufacturer's Products, a Household Kit, Containing Desirable Household Products.
*Claims use* since Mar. 1, 1923.

205,034. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LLOYD A. WIMPFHEIMER, New York, N. Y., assignor to Wimbar, Inc., New York, N. Y., a Corporation of New York. Filed May 13, 1925. Serial No. 214,804.

"CARDINAL"

*Particular description of goods.*—Golf Irons and Golf Clubs.
*Claims use* since on or about July, 1922.

205,035. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE LY-NOLA COMPANY, Dallas, Tex. Filed June 27, 1925. Serial No. 216,553.

CONCORD PUNCH

*Particular description of goods.*—Soft Drinks and Sirups for Making Same.
*Claims use* since 1906.

205,036. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JACKSON BREWING COMPANY, New Orleans, La. Filed June 29, 1925. Serial No. 216,605.

Jackson
GRAPE PUNCH

*Particular description of goods.*—Grape Punch.
*Claims use* since July 22, 1924.



205,037. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARNOLD ELECTRIC CO., Racine, Wis. Filed July 8, 1925. Serial No. 217,004.

*Particular description of goods.*—Electric Massage Vibrators.
*Claims use* since January, 1907.

205,038. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. CRAIG CANNING COMPANY, Ogden, Utah. Filed July 8, 1925. Serial No. 217,012.

CRAIG'S
PERFECTION

*Particular description of goods.*—Canned Fruits and Vegetables.
*Claims use* since 1900.

205,039. (CLASS 39. CLOTHING.) LOUIS G. ABIZAID, doing business as L. G. Abizaid Manufacturing Company, Boston, Mass. Filed July 10, 1925. Serial No. 217,128.

ESSEX

*Particular description of goods.*—Gloves of Leather, Canvas, and Jersey, Also Wristbands.
*Claims use* since 1918.

205,040. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EADINGTON FRUIT COMPANY, Fullerton, Calif. Filed July 18, 1925. Serial No. 217,550.

ACME

*Particular description of goods.*—Fresh Citrous Fruits.
*Claims use* since 1900.

205,041. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EADINGTON FRUIT COMPANY, Fullerton, Calif. Filed July 18, 1925. Serial No. 217,551.

PREMIUM

*Particular description of goods.*—Fresh Citrous Fruits.
*Claims use* since 1900.

205,042. (CLASS 45. BEVERAGES, NONALCOHOLIC.) KERN KOLA MFG. CO., Dallas, Tex. Filed July 18, 1925. Serial No. 217,563.

Amon

*Particular description of goods.*—Nonalcoholic Maltless Beverage.
*Claims use* since 1907.

205,043. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BURKE GOLF COMPANY, Newark, Ohio. Filed July 31, 1925. Serial No. 218,160.

BURKE

*Particular description of goods.*—Golf Clubs, Balls, Bags, Heads, and Shafts.
*Claims use* since 1914.

205,044. (CLASS 45. BEVERAGES, NONALCOHOLIC.) AMERICAN FRUIT PRODUCTS CO., New Haven, Conn. Filed Aug. 1, 1925. Serial No. 218,233.

"IDEAL"

*Particular description of goods.*—Fruit Concentrate Used for Making Soft Drinks.
*Claims use* since Aug. 1, 1924.

205,045. (CLASS 17. TOBACCO PRODUCTS.) THE HOUSE OF CRANE, Indianapolis, Ind. Filed Aug. 10, 1925. Serial No. 218,642.

MANILA BLUNTS

*Particular description of goods.*—Cigars.
*Claims use* since Aug. 14, 1917.

205,046. (CLASS 17. TOBACCO PRODUCTS.) THE HOUSE OF CRANE, Indianapolis, Ind. Filed Aug. 10, 1925. Serial No. 218,643.

MANILA STUBS

*Particular description of goods.*—Cigars.
*Claims use* since July 1, 1915.

205,047. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HENRY G. THOMPSON & SON COMPANY, New Haven, Conn. Filed Sept. 2, 1925. Serial No. 219,668.

MILFORD

*Particular description of goods.*—Hack-Saw Blades.
*Claims use* since September, 1905.

205,048. (CLASS 12. CONSTRUCTION MATERIAL.) HUCK-GERHARDT CO., INC., Philadelphia, Pa. Filed Aug. 21, 1925. Serial No. 219,185.

WEL-BILT

*Particular description of goods.*—Hardwood Floors, Porch Inclosures, Metal Weather Strips, Storm Sash, and Fly Screens.
*Claims use* since June 26, 1923.

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205,049. (CLASS 39. CLOTHING.) ENGLISH WOOLEN CO., Cleveland, Ohio, Detroit, Mich., Dayton, Ohio, Louisville, Ky., and Indianapolis, Ind. Filed Aug. 21, 1925. Serial No. 219,173.

English
TAILORS SINCE 1898

*Particular description of goods.*—Men's Outer Wearing Apparel—Namely, Coats, Vests, Trousers, Suits, and Overcoats.
*Claims use* since February, 1920.

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205,050. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WILLIAM I. EVANS, Washington, Ind. Filed Aug. 12, 1925. Serial No. 218,747.

RING JOINT

*Particular description of goods.*—Metal Clamp for Making a Wood Connection.
*Claims use* since 1913.

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205,051. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EASTON CAR & CONSTRUCTION COMPANY, Easton, Pa. Filed July 31, 1925. Serial No. 218,171.

ROLL-OVER

*Particular description of goods.*—Automatic Dumping Automobile Truck Bodies.
*Claims use* since May 14, 1921.

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205,052. (CLASS 37. PAPER AND STATIONERY.) WILLIAM HENRY CASSELL, Wenatchee, Wash. Filed July 31, 1925. Serial No. 218,164.

CASSELL'S A—1

*Particular description of goods.*—Papers—Namely, Fruit Wraps, Fruit Paper, Shredded Fruit Paper, Shredded Oiled Paper, Box Liner, Pear Pads, and Apple Pads.
*Claims use* since Apr. 5, 1924.

205,053. (CLASS 37. PAPER AND STATIONERY.) JACOB MANHEIMER, doing business as Bonnet Frères, New York, N. Y. Filed June 24, 1925. Serial No. 216,349.

BONNET FRÈRES
NIMES ET GRASSE

*Particular description of goods.*—Filter Paper for Clarifying Liquids.
*Claims use* since Jan. 1, 1898.

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205,054. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL PUBLISHING CO., Philadelphia, Pa. Filed June 18, 1925. Serial No. 215,992.

NATIONAL BIBLE PRESS

*Particular description of goods.*—Bibles.
*Claims use* since Feb. 1, 1920.

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205,055. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDGETT-BURNHAM COMPANY, Newark, N. Y. Filed June 16, 1925. Serial No. 215,851.

FAULTLESS

*Particular description of goods.*—Canned Fruits and Vegetables.
*Claims use* since 1880.

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205,056. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PERROTT MANUFACTURING COMPANY, Beaver Falls, Pa. Filed June 4, 1925. Serial No. 215,311.

Perrott's

*Particular description of goods.*—Stair Treads and Auto Heel Mats.
*Claims use* since Oct. 1, 1913.

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205,057. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE BREWER-TITCHENER CORPORATION, Cortland, N. Y. Filed June 2, 1925. Serial No. 215,199.

PIONEER ENGINE SUPPORT

*Particular description of goods.*—Repairs for Broken Crank-Case Arms or Engine Supports.
*Claims use* since 1922.



205,058. (CLASS 12. CONSTRUCTION MATERIALS.) AMERICAN ASPHALT ROOF CORPORATION, Kansas City, Mo. Filed Apr. 27, 1925. Serial No. 213,348.

Whitestone

*Particular description of goods.*—Roofing in Sheets, Rolls, and Shingles of Asphalt Composition.
*Claims use* since Sept. 1, 1920.

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205,059. (CLASS 39. CLOTHING.) DAUM ROGERS SPRITZER CO., New York, N. Y. Filed Mar. 31, 1925. Serial No. 211,905.

BARRINGTON HEALTH UNDERWEAR

*Particular description of goods.*—Knitted and Textile Underwear in One and Two Piece Garments, Particularly Union Suits.
*Claims use* since January, 1920.

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205,060. (CLASS 37. PAPER AND STATIONERY.) REGAL PAPER COMPANY, Pulaski, N. Y. Filed Dec. 22, 1924. Serial No. 207,098.

ABC

*Particular description of goods.*—Wax Paper.
*Claims use* since July 18, 1924.

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205,061. (CLASS 12. CONSTRUCTION MATERIALS.) THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed Nov. 24, 1924. Serial No. 205,727.

WAYNE

*Particular description of goods.*—Plaster.
*Claims use* since Nov. 23, 1914.

205,062. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn. Filed Nov. 7, 1924. Serial No. 204,973.

HAVILAND

*Particular description of goods.*—Paint and Enamel in Liquid Form.
*Claims use* since Mar. 1, 1915.

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205,063. (CLASS 12. CONSTRUCTION MATERIALS.) SAGER METAL WEATHERSTRIP CO., Chicago, Ill. Filed Oct. 11, 1924. Serial No. 203,753.

ECONOMY

*Particular description of goods.*—Metal Weather Stripping.
*Claims use* since latter part of February, 1923.

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205,064. (CLASS 39. CLOTHING.) ESSEX RUBBER COMPANY, INC., Trenton, N. J. Filed July 16, 1924. Serial No. 200,098.

ESSEX

*Particular description of goods.*—Arch Cushions and Heel Cushions and Rubber and Composition Soles and Heels.
*Claims use* since 1911.

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205,065. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TOKAY COMPANY, Chicago, Ill. Filed Oct. 12, 1923. Serial No. 186,938.

TOKAY

*Particular description of goods.*—Candies and Chocolate-Covered Raisins.
*Claims use* since Sept. 15, 1923.

## TRADE-MARK REGISTRATIONS RENEWED

44,362. A MAGAZINE. Registered July 4, 1905. THE BOILER MAKER. Renewed July 4, 1925, to Simmons-Boardman Publishing Co., New York, N. Y., a Corporation of New York, successor.

45,793. MEDICINAL PREPARATION FOR DISEASES OF THE MUCOUS MEMBRANE. Registered August 29, 1905. THE FITCHMUL COMPANY. Renewed August 29, 1925, to A. Perley Fitch Company, Concord, N. H., a Corporation of New Hampshire, successor.

46,461. A TONIC BEVERAGE. Registered September 19, 1905. J. C. MAYFIELD MANUFACTURING COMPANY, Birmingham, Ala. Renewed September 19, 1925, to J. C. Mayfield Company, Wilmington, Del., and St. Louis, Mo., a Corporation of Delaware, assignee by mesne assignments.

47,658. COTTON PIECE GOODS. Registered November 14, 1905. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Renewed November 14, 1925, to Massachusetts Cotton Mills, Lowell and Boston, Mass., a Corporation of Massachusetts.

48,089. PREPARED MUSTARD. Registered December 12, 1905. JOSEPH CAMPBELL COMPANY. Renewed December 12, 1925, to Campbell Soup Company, Camden, N. J., a Corporation of New Jersey, assignee.

48,113. HORSE NAILS. Registered December 12, 1905. THE CAPEWELL HORSE NAIL COMPANY, Hartford, Conn., a Corporation of Connecticut. Renewed December 12, 1925.

48,170. PLAYING CARDS. Registered December 12, 1905. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Renewed December 12, 1925, to The New York Consolidated Card Company, Long Island City, N. Y., a Corporation of New York.

48,200. CARPET TACKS. Registered December 19, 1905. THE H. C. TACK CO., Cleveland, Ohio. Renewed December 19, 1925, to Atlas Tack Corporation, Fairhaven, Mass., a Corporation of New York, assignee.

48,235. CANDY. Registered December 19, 1905. REYMER & BROTHERS, Incorporated, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed December 19, 1925.

48,246. ROASTED COFFEE. Registered December 19, 1905. MERCHANTS COFFEE CO. Renewed December 19, 1925, to The Merchants' Coffee Company, Baltimore, Md., a Corporation of Maryland, assignee.

48,261. PIANO ACTIONS. Registered December 19, 1905. WESSELL, NICKEL & GROSS, New York, N. Y., a Corporation of New York. Renewed December 19, 1925.

48,271. CIGARS. Registered December 19, 1905. THE JUAN F. PORTUONDO CIGAR MFG. CO., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed December 19, 1925.

48,272. CIGARS. Registered December 19, 1905. THE JUAN F. PORTUONDO CIGAR MFG. CO., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed December 19, 1925.

48,296. HOSIERY. Registered December 19, 1905. ABRAHAM & STRAUS. Renewed December 19, 1925, to Abraham & Straus, Inc., Brooklyn, N. Y., a Corporation of New York, assignee.

48,336. OILED CLOTHING. Registered December 26, 1905. A. J. TOWER CO. Renewed December 26, 1925, to A. J. Tower Co., Roxbury, Mass., a Corporation of Massachusetts, assignee.

48,371. FILES AND RASPS. Registered December 26, 1905. G. & H. BARNETT COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed December 26, 1925.

48,428. CIGARS. Registered December 26, 1905. THE JUAN F. PORTUONDO CIGAR MFG. CO., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed December 26, 1925.

48,479. SOAP. Registered January 2, 1906. FERDINAND T. HOPKINS. Renewed January 2, 1926, to Ferd. T. Hopkins, doing business as Ferd. T. Hopkins & Son, New York, N. Y., assignee.

48,510. LEATHER FOR THE UPPERS OF SHOES. Registered January 2, 1906. ROBERT H. FOERDERER, INC., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed January 2, 1926.

48,538. PILLS AND TABLETS FOR DISEASES OF THE BLOOD, LIVER, STOMACH, BOWELS, KIDNEYS, AND NERVES. Registered January 2, 1906. CHAUNCEY F. YORK, Warriorsmark, Pa. Renewed January 2, 1926, to Harry J. York, Detroit, Mich., assignee.

48,627. SULPHUR SOAP. Registered February 13, 1906. ASCHENBACH & MILLER, INCORPORATED, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed February 13, 1926.

48,629. GLOVES. Registered January 9, 1906. ABRAHAM & STRAUS. Renewed January 9, 1926, to Abraham & Straus, Inc., Brooklyn, N. Y., a Corporation of New York, assignee.

48,666. PAINT FOR METALLIC SURFACES. Registered January 9, 1906. RINALD BROS. Renewed January 9, 1926, to Rinald Bros. Paint Works Inc., Philadelphia, Pa., a Corporation of Pennsylvania, successor.

48,689. A LIQUID REMEDY. Registered January 9, 1906. ELIZABETH A. NEER, Paterson, N. J. Renewed January 9, 1926.

48,698. LARD. Registered January 9, 1906. SWIFT AND COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed January 9, 1926.

48,710. BORING MACHINES. Registered January 9, 1906. AJAX MFG. CO., Allegheny, Pa. Renewed January 9, 1926, to Ajax Mfg. Co., Pittsburgh, Pa.

48,761. MEDICAL PREPARATIONS. Registered January 9, 1906. THE MALTINE COMPANY, Brooklyn, N. Y., a Corporation of New York. Renewed January 9, 1926.

48,770. CHEMICALS FOR THE CERAMIC ARTS. Registered January 9, 1906. THE ROESSLER & HASSLACHER CHEMICAL CO., New York, N. Y., a Corporation of New York. Renewed January 9, 1926.

48,782. PETROLEUM BURNING OILS. Registered January 16, 1906. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa., a Corporation of Texas. Renewed January 16, 1926.

48,784. PETROLEUM BURNING OILS. Registered January 16, 1906. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa., a Corporation of Texas. Renewed January 16, 1926.

48,785. PETROLEUM BURNING OILS. Registered January 16, 1906. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa., a Corporation of Texas. Renewed January 16, 1926.

48,786. PETROLEUM BURNING OILS. Registered January 16, 1906. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa., a Corporation of Texas. Renewed January 16, 1926.

48,823. TANNED LEATHER. Registered January 16, 1906. LEAS & MCVITTY, INCORPORATED. Renewed January 16, 1926, to Leas & McVitty Inc., Philadelphia, Pa., a Corporation of Delaware, assignee.

48,900. VEGETABLE AND FRUIT PRESERVES, JAMS, JELLIES, BUTTERS, AND MARMALADES. Registered January 16, 1906. R. C. WILLIAMS & CO. Renewed January 16, 1926, to R. C. Williams & Co., Inc., New York, N. Y., a Corporation of New York, successor.

48,950. MOLASSES. Registered January 16, 1906. THE EASTERN REFINING CO. Renewed January 16, 1926, to American Molasses Company, New York, N. Y., a Corporation of New York, successor.

48,958. AUTOMATIC CAR COUPLINGS. Registered January 16, 1906. THE MCCONWAY & TORLEY CO., Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed January 16, 1926.

48,962. SHOVELS, SPADES, AND SCOOPS. Registered January 16, 1906. THE WYOMING SHOVEL WORKS, Wyoming, Pa., a Corporation of Pennsylvania. Renewed January 16, 1926.

48,967. A REMEDY FOR THE CURE OF RHEUMATISM. Registered January 16, 1906. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn., a Corporation of Tennessee. Renewed January 16, 1926.

48,977. COFFEE. Registered January 16, 1906. BROWNELL & FIELD COMPANY, Providence, R. I., a Corporation of Rhode Island. Renewed January 16, 1926.

49,015. PORTLAND CEMENT. Registered January 23, 1906. GERMAN-AMERICAN PORTLAND CEMENT WORKS, La Salle, Ill. Renewed January 23, 1926, to Alpha Portland Cement Company, Easton, Pa., a Corporation of New Jersey, assignee.

49,040. GLOVES. Registered January 23, 1906. ABRAHAM & STRAUS. Renewed January 23, 1926, to Abraham & Straus, Inc., Brooklyn, N. Y., a Corporation of New York, assignee.

49,057. ROASTED AND GROUND COFFEE. Registered January 23, 1906. NEW ORLEANS COFFEE CO. LTD., New Orleans, La., a Corporation of Louisiana. Renewed January 23, 1926.



49,061. CHEWING AND SMOKING TOBACCO. Registered January 23, 1906. THE BLOCH BROTHERS TOBACCO COMPANY, Wheeling, W. Va., a Corporation of West Virginia. Renewed January 23, 1926.

49,064. MERCERIZED COTTON FABRICS. Registered January 23, 1906. CLARENCE WHITMAN & CO., New York, N. Y. Renewed January 23, 1926, to Ponemah Mills, Taftsville, Conn., a Corporation of Connecticut, assignee.

49,070. SPICES. Registered January 23, 1906. E. B. MILLAR & CO., Chicago, Ill., a Corporation of Illinois. Renewed January 23, 1926.

49,087. CANNED FISH, CLAMS, AND OYSTERS. Registered January 23, 1906. R. C. WILLIAMS & CO. Renewed January 23, 1926, to R. C. Williams & Co., Inc., New York, N. Y., a Corporation of New York, assignee.

49,095. CHOCOLATE CONFECTIONERY. Registered January 23, 1906. E. GREENFIELD'S SON & CO., New York, N. Y. Renewed January 23, 1926, to E. Greenfield's Sons, New York and Brooklyn, N. Y., a Corporation of New York, successor.

49,122. LEAD PENCILS. Registered January 23, 1906. EAGLE PENCIL COMPANY. Renewed January 23, 1926, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

49,134. DENTAL VARNISH. Registered January 23, 1906. THE S. S. WHITE DENTAL MFG. CO., Philadelphia, Pa.; Chicago, Ill.; New York, Brooklyn, and Rochester, N. Y.; Boston, Mass.; Atlanta, Ga.; New Orleans, La.; Toronto, Canada; Buenos Aires, Argentina; Berlin, Germany; and St. Petersburg, Russia. Renewed January 23, 1926, to The S. S. White Dental Mfg. Co., Philadelphia, Pa., a Corporation of Pennsylvania.

49,137. REMEDY FOR CERTAIN NAMED DISEASES. Registered January 23, 1906. WILLIAM R. WARNER & CO., Philadelphia, Pa. Renewed January 23, 1926, to William R. Warner & Co., Inc., New York, N. Y., a Corporation of Delaware, assignee.

49,138. HARNESS AND SADDLERY LEATHER. Registered January 23, 1906. W. W. MOONEY & SONS, INCORPORATED, Columbus, Ind., a Corporation of Indiana. Renewed January 23, 1926.

49,140. MANUFACTURED COLORS FOR PRINTING AND DYEING. Registered January 23, 1906. AMERICAN DYEWOOD COMPANY, Philadelphia, Pa. Renewed January 23, 1926, to American Dyewood Company, New York, N. Y., a Corporation of Pennsylvania.

49,150. STEAM AND HOT-WATER HEATERS AND RADIATORS. Registered January 23, 1906. GURNEY HEATER MANUFACTURING COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed January 23, 1926.

49,176. HARNESS AND SADDLERY LEATHER. Registered January 23, 1906. W. W. MOONEY & SONS INCORPORATED, Columbus, Ind., a Corporation of Indiana. Renewed January 23, 1926.

49,177. HARNESS AND SADDLERY LEATHER. Registered January 23, 1906. W. W. MOONEY & SONS INCORPORATED, Columbus, Ind., a Corporation of Indiana. Renewed January 23, 1926.

49,179. WOMEN'S LEATHER SHOES. Registered January 30, 1906. A. H. BERRY SHOE COMPANY, Portland, Me., a Corporation of Maine. Renewed January 30, 1926.

49,230. FASTENERS FOR THE WAISTBANDS OF TROUSERS. Registered January 30, 1906. CATCH ON CLASP MFG. CO. Renewed January 30, 1926, to Alma Manufacturing Company of Baltimore City, Baltimore, Md., a Corporation of Maryland, assignee.

49,237. WATCHES AND CLOCKS. Registered January 30, 1906. ROBT. H. INGERSOLL & BRO., New York, N. Y. Renewed January 30, 1926, to Waterbury Clock Company, Waterbury, Conn., a Corporation of Connecticut, successor.

49,293. MOHAIR DRESS GOODS. Registered January 30, 1906. N. ERLANGER, BLUMGART & CO. INC., New York, N. Y., a Corporation of New York. Renewed January 30, 1926.

49,323. TUBE EXPANDERS. Registered January 30, 1906. AJAX MFG. CO., Allegheny, Pa. Renewed January 30, 1926, to Ajax Mfg. Co., Pittsburgh, Pa.

49,334. CHOCOLATE CONFECTIONERY. Registered January 30, 1906. E. GREENFIELD'S SON & CO., New York, N. Y. Renewed January 30, 1926, to E. Greenfield's Sons, New York and Brooklyn, N. Y., a Corporation of New York, successor.

49,367. BRAIDED CORD. Registered January 30, 1906. WHITTIER MILLS, Chattahoochie, Ga. Renewed January 30, 1926, to Whittier-Wellington Corporation of Massachusetts, Newtonville, Mass., a Corporation of Massachusetts, assignee.

49,368. BRAIDED CORD. Registered January 30, 1906. WHITTIER MILLS, Chattahoochie, Ga. Renewed January 30, 1926, to Whittier-Wellington Corporation of Massachusetts, Newtonville, Mass., a Corporation of Massachusetts, assignee.

49,372. LAUNDRY AND TOILET SOAP AND SOAP POWDER. Registered February 6, 1906. BEACH SOAP COMPANY, Lawrence, Mass., a Corporation of Massachusetts. Renewed February 6, 1926.

49,428. TRUNKS, VALISES, AND SATCHELS. Registered February 6, 1906. ABRAHAM & STRAUS, New York, N. Y. Renewed February 6, 1926, to Abraham & Straus, Inc., Brooklyn, N. Y., a Corporation of New York, assignee.

49,443. WOVEN SILK FABRICS. Registered February 6, 1906. HERMAN SIMON, Union, N. J. Renewed February 6, 1926, to R. & H. Simon Company, Union City, N. J., a Corporation of New Jersey, assignee.

49,468. HAIR WAVERS AND CURLERS. Registered February 6, 1906. ALBERTINE DREES, Newark, N. J. Renewed February 6, 1926.

49,534. REMEDY FOR HEADACHE, NEURALGIA, AND NERVOUSNESS. Registered February 6, 1906. JAMES G. MUNSON. Renewed February 6, 1926, to Munson's Pharmaceutical Laboratories, San Jose, Calif., successor.

49,575. A PROPRIETARY MEDICINE FOR WOMEN'S DISEASES. Registered February 13, 1906. WILLIAM A. TALBOTT. Renewed February 13, 1926, to Harriet M. Talbott and Mary T. Banghart, trustees, doing business as Micajah & Co., Warren, Pa., successors.

49,632. LEATHER CEMENT. Registered February 13, 1906. C. L. HAUTHAWAY & SONS, INCORPORATED, Portland, Me., and Boston, Mass. Renewed February 13, 1926, to C. L. Hauthaway & Sons, Incorporated, Boston, Mass., a Corporation of Massachusetts, assignee.

49,633. CHANNEL CEMENT. Registered February 13, 1906. C. L. HAUTHAWAY & SONS, INCORPORATED, Portland, Me., and Boston, Mass. Renewed February 13, 1926, to C. L. Hauthaway & Sons, Incorporated, Boston, Mass., a Corporation of Massachusetts, assignee.

49,692. CYLINDER LUBRICANTS AND LUBRICANT STOCK. Registered February 13, 1906. THE CONEWANGO REFINING CO., Warren, Pa., a Corporation of Pennsylvania. Renewed February 13, 1926.

49,701. GLOVES. Registered February 13, 1906. ABRAHAM & STRAUS. Renewed February 13, 1926, to Abraham & Straus, Inc., Brooklyn, N. Y., a Corporation of New York, assignee.

49,814. UTERINE TONIC AND RESTORATIVE. Registered February 20, 1906. RIO CHEMICAL CO., New York, N. Y., a Corporation of Missouri. Renewed February 20, 1926.

49,816. HEADACHE POWDERS. Registered February 20, 1906. RICHARD SAMUEL STARKS, doing business as Starks & Company, Midway, Ky. Renewed February 20, 1926.

49,882. CYLINDER LUBRICANTS AND LUBRICANT STOCK. Registered February 20, 1906. THE CONEWANGO REFINING CO., Warren, Pa., a Corporation of Pennsylvania. Renewed February 20, 1926.

# LABELS

## REGISTERED OCTOBER 27, 1925.

29,371.—*Title:* LEJAW. For a General Cleanser in Powder Form. LEO J. AWAD, doing business as L. J. Awad Manufacturing Company, Shenandoah, Pa. Published April 17, 1925.

29,372.—*Title:* WILD ROSE SALT WATER TAFFY. For Candy. BINGHAMTON CANDY CO. INC., Binghamton, N. Y. Published September 26, 1925.

29,373.—*Title:* DOME OYLE. For a Scalp or Hair Tonic. DOME OYLE CO., Washington, Pa. Published August 5, 1925.

29,374.—*Title:* BUTTER-NUT BREAD. For Bread. EMILE FRISCH, Chicago, Ill. Published August 24, 1925.

29,375.—*Title:* MRS. GUENTRATH 2-MINUTE PUDDING. For Ready-Prepared Material for Making Puddings. F. GUENTRATH-LORENZEN, Chicago, Ill. Published July 22, 1925.

29,376.—*Title:* HIRES TURNER RESIDENTIAL GLASS. For Glass. HIRES TURNER GLASS COMPANY, Philadelphia, Pa. Published July 15, 1925.

29,377.—*Title:* JACKSON ROOT-BEER. For Root Beer. JACKSON BREWING COMPANY, New Orleans, La. Published July 3, 1925.

29,378.—*Title:* JAX. For Malt Tonic. JACKSON BREWING COMPANY, New Orleans, La. Published July 3, 1925.

29,379.—*Title:* JACKSON GRAPE PUNCH. For Grape Punch. JACKSON BREWING COMPANY, New Orleans, La. Published July 3, 1925.

29,380.—*Title:* SAZERAC. For Ginger Ale. JACKSON BREWING COMPANY, New Orleans, La. Published July 3, 1925.

29,381.—*Title:* CORNSTARCH. For Cornstarch. JEWEL TEA CO., INC., Chicago, Ill. Published September 5, 1925.

29,382.—*Title:* LEO'S HOPPED SPECIAL MALT EXTRACT. For Malt Extract for Food Purposes. LIQUID MALTED MILK CO., Cedar Rapids, Iowa. Published September 25, 1925.

29,383.—*Title:* MANSION HOUSE ICE CREAM. For Ice Cream. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Mansion House Ice Cream Company, East Cambridge, Mass. Published August 25, 1925.

29,384.—*Title:* WILLOW TREE. For Multi-Spice Pickle. MIDLAND FOOD PRODUCTS CORPORATION, Salisbury, Md. Published September 25, 1925.

29,385.—*Title:* PRATTLOW (#1). For Canned Apricots. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published September 24, 1925.

29,386.—*Title:* PRATTLOW (#2). For Canned Yellow Cling Peaches (Halves). PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published September 24, 1925.

29,387.—*Title:* PRATTLOW (#3). For Canned Figs. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published September 24, 1925.

29,388.—*Title:* PRATTLOW (#4). For Canned Fruits for Salad. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published September 24, 1925.

29,389.—*Title:* PRATTLOW (#5). For Canned Pears. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published September 24, 1925.

29,390.—*Title:* PRATTLOW (#6). For Canned Royal Anne Cherries. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published September 24, 1925.

29,391.—*Title:* PRATTLOW (#7). For Canned Sliced Hawaiian Pineapple. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published September 24, 1925.

29,392.—*Title:* FAMILY. For Malt Sirup. RED SUN PRODUCTS CO., Chicago, Ill. Published September 23, 1925.

29,393.—*Title:* HAPPY KIDS. For Sorghum Syrup Blended with Corn Syrup. WALTER BLAIR RODDENBERY, Cairo, Ga. Published October 5, 1925.

29,394.—*Title:* EL REVINO. For Cigars. RIVEIRA & GONZALEZ, San Francisco, Calif. Published July 27, 1925.

29,395.—*Title:* BLOW GUM. For Chewing Gum. THE SHELBY GUM CO., Shelby, Ohio. Published July 14, 1925.

29,396.—*Title:* SUNFLOWER BRAND. For Butter. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published August 15, 1925.

29,397.—*Title:* IT'S PURE—THAT'S SURE. For Ice Cream. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published August 15, 1925.

29,398.—*Title:* VELVET ICE CREAM. For Ice Cream. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published August 15, 1925.

29,399.—*Title:* EYE EASE EYE WATER. For a Preparation for Diseases of the Eye, Sores, and Ulcers. HILTON THOMAS, Brunswick, Ga. Published May 19, 1925.

29,400.—*Title:* TRU BAKE. For Biscuits. TRU-BLU BISCUIT COMPANY, Spokane, Wash. Published September 22, 1925.

29,401.—*Title:* RIEGEL'S JEWEL BRAND GLASSINE. For Glassine Paper. THE WARREN MANUFACTURING COMPANY, New York, N. Y. Published September 22, 1925.

29,402.—*Title:* KLEANZEM. For a Cleaning Compound. MARY S. WENTZEL, Roxborough, Philadelphia, Pa. Published July 25, 1925.

29,403.—*Title:* PRESCRIPTION LENS. For Lenses. THE WHITE-HAINES OPTICAL CO., Columbus, Ohio. Published September 26, 1925.

29,404.—*Title:* FRONTERIZA. For Cantaloupes. FLOYD W. WHITNEY, Ysleta, Tex. Published September 25, 1925.

29,405.—*Title:* WIZARD. For Polish Mops. WIZARD, INC., Chicago, Ill. Published August 31, 1925.



# PRINTS

## REGISTERED OCTOBER 27, 1925.

8,277.—*Title:* BEAUTIFIES THE ANKLE. For Hosiery. CADET KNITTING COMPANY, Philadelphia, Pa. Published September 4, 1925.

8,278.—*Title:* RICH FOOD VALUES IN CREAM OF WHEAT. For Wheat Breakfast Food. CREAM OF WHEAT Co., Minneapolis, Minn. Published September 4, 1925.

8,279.—*Title:* WHY DRIVE AN OLD CAR? For Varnishes and Enamels. NORMAN A. FISHER, Los Angeles, Calif. Published September 22, 1925.

8,280.—*Title:* FISHER'S BAK-E-NAM-EL. For Varnishes and Enamels. NORMAN A. FISHER, Los Angeles, Calif. Published September 22, 1925.

8,281.—*Title:* WHY HEINZ BEANS ARE OVEN BAKED. For Heinz Oven-Baked Beans. H. J. HEINZ CO., Pittsburgh, Pa. Published September 15, 1925.

8,282.—*Title:* BAKED—HOW WEBSTER DEFINED IT. For Heinz Oven-Baked Beans. H. J. HEINZ CO., Pittsburgh, Pa. Published September 15, 1925.

8,283.—*Title:* THAT FRESH FROM THE GARDEN TASTE. For Heinz 57 Varieties. H. J. HEINZ CO., Pittsburgh, Pa. Published September 15, 1925.

8,284.—*Title:* SPEEDWAY. For Razor Blades. INTERNATIONAL SAFETY RAZOR CORPORATION, Bloomfield, N. J. Published September 10, 1925.

8,285.—*Title:* HY QUALITY LO PRICES. For Meats and Groceries. KANSAS GROCERY COMPANY, Atchison, Kans. Published August 14, 1925.

8,286.—*Title:* MARY SUNSHINE SKATING. For Milk. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 28, 1925.

8,287.—*Title:* MARY SUNSHINE WITH SLEIGH. For Milk. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 23, 1925.

8,288.—*Title:* MARY SUNSHINE SKIPPING ROPE. For Milk. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 23, 1925.

8,289.—*Title:* MARY SUNSHINE AT SEASHORE. For Milk. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 23, 1925.

8,290.—*Title:* SUN-AERO. For Hair Drier. THE WM. MEYER CO., Chicago, Ill. Published May 12, 1925.

8,291.—*Title:* TIME TELLS THE STORY. For Groceries. REID, MURDOCH & Co., Chicago, Ill. Published September 11, 1925.

8,292.—*Title:* THE BINDER THAT BUILDS BOOKS. For Self-Binder for Stationery. THE ROCHESTER SELF-BINDER CO. INC., Rochester, N. Y. Published September 19, 1925.

8,293.—*Title:* MADAME ANNETTE-ON THE NEW HAIRDRESS. For Hair Goods. SEARS, ROEBUCK AND CO., Chicago, Ill. Published September 8, 1925.

8,294.—*Title:* ASK FOR THE VALVE INSIDE WITH THE RED COLLAR. For Valves. WEIN SALES CORPORATION, New York, N. Y. Published September 1, 1925.

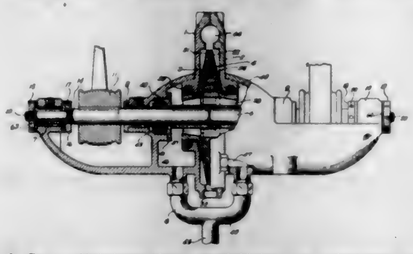
8,295.—*Title:* THE HOME OF A MILLION PARTS. For Used Parts for Automobiles. JOSEPH H. WOLFF, Canton, Ohio. Published August 17, 1925.

8,296.—*Title:* GOOD CHEER—ALWAYS. For Groceries. REID, MURDOCH & CO., Chicago, Ill. Published September 24, 1925.

# REISSUES

## OCTOBER 27, 1925.

16,191. MACHINE FOR DISINTEGRATING AND EMULSIFYING MATERIALS. HARRY POVEY, Stanmore, and HALDANE OSWALD HALLAS, London, England, assignors to Colloidal Equipment Corporation, New York, N. Y., a Corporation of New Jersey. Filed Aug. 11, 1925. Serial No. 49,627. Original No. 1,489,786, dated Apr. 8, 1924, Serial No. 655,542, filed Aug. 3, 1923. 7 Claims. (Cl. 83—8.)



1. In a disintegrating, emulsifying, or admixing machine, a casing, relatively rotatable members mounted in the casing and having their proximate faces formed with relatively spaced blades and their edges beyond the blades defining a narrow discharge channel, the discharge channel being of less width than the space between the blades, feeding means for delivering material into the casing beyond each of the respective members, and means formed in said members for delivering the material from the casing axially of the members and adjacent their centres of rotation.

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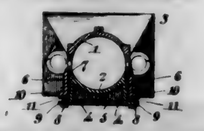
16,192. STOKER CYLINDER. ARTHUR WATHEY, Cleveland, Ohio. Filed Feb. 4, 1925. Serial No. 6,905. Original No. 1,500,972, dated July 8, 1924, Serial No. 565,638, filed June 3, 1922. 5 Claims. (Cl. 110—109.)



1. The combination in a stoker cylinder, of a detachable bottom member approximately semi-circular in cross-section adapted to rigidly support the weight of a ram in said cylinder and means for adjusting said bottom member transversely of the cylinder for the purpose specified.

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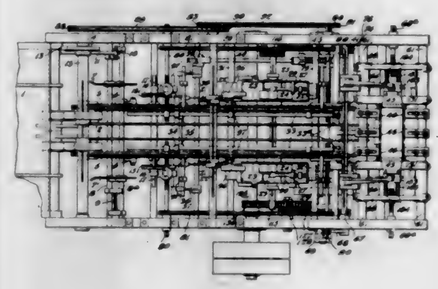
16,193. MACHINE FOR MAKING BOXES. HAROLD J. GOSS, Nashua, N. H., assignor, by mesne assignments, to The Lake Erie Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 25, 1925. Serial No. 25,925. Original No. 1,513,236, dated Oct. 28, 1924, Serial No. 610,143, filed Jan. 2, 1923. 33 Claims. (Cl. 93—51.)

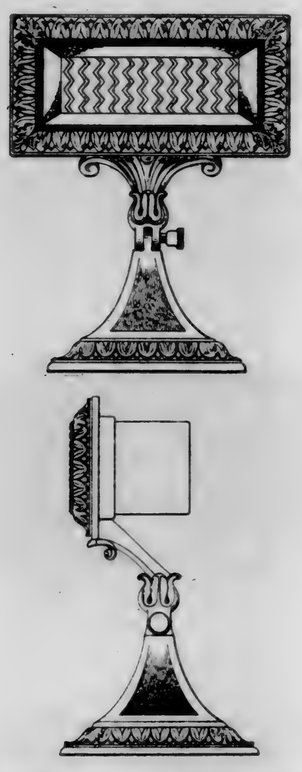


1. A machine of the character described having, in combination, folding mechanism; a hopper; traveling conveyors positively engaging the blanks to transport the same from the hopper toward the folding mechanism; means for transferring the blanks, one at a time, from the hopper to said conveyors, glue applying mechanism between the hopper and the folding mechanism including a pair of glue transferring rolls, and means for controlling the end flaps of the blank to permit of the engagement of some of said end flaps with said rolls to the exclusion of others.

# DESIGNS

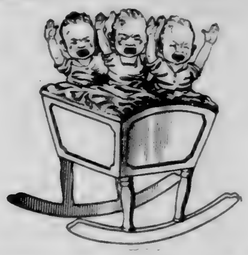
## OCTOBER 27, 1925.

68,558. ELECTRIC HEATER. JULIUS F. ADAMS, Pittsburgh, Pa. Filed Sept. 2, 1924. Serial No. 10,640. Term of patent 7 years.



The ornamental design for an electric heater, as shown.

68,559. TOY. WILLIAM HENRY ALGER, Worcester, Mass. Filed May 26, 1925. Serial No. 13,569. Term of patent 14 years.



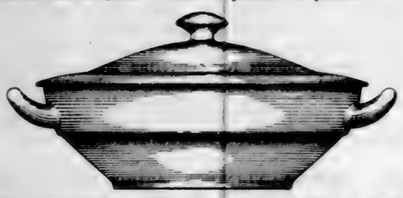
The ornamental design for a toy as shown.



68,560. TEAPOT OR SIMILAR ARTICLE. LUCIEN ANDUZE, Limoges, France, assignor to Herman C. Kupper, New York, N. Y. Filed Oct. 28, 1921. Serial No. 511,152. Term of patent 14 years.

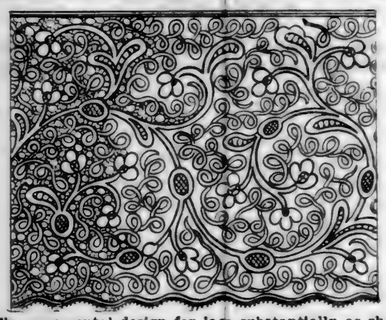
The ornamental design for a teapot or similar article as shown.

68,561. COVERED DISH OR SIMILAR ARTICLE. LUCIEN ANDUZE, Limoges, France, assignor to Herman C. Kupper, New York, N. Y. Filed Oct. 28, 1921. Serial No. 511,153. Term of patent 14 years.



The ornamental design for a covered dish or similar article as shown.

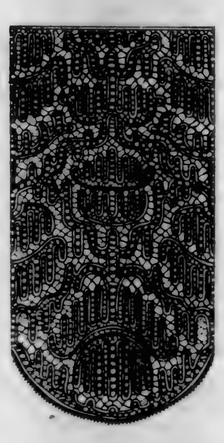
68,562. LACE. CHARLES WILFRED BIRKIN and EDWIN THOMAS SANDS, Broadway, England, assignors to Birkin and Company, Broadway, England. Filed July 13, 1925. Serial No. 14,078. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

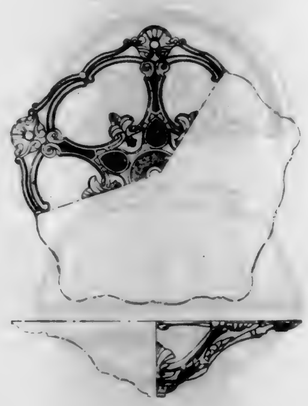


68,563. LACE. CHARLES WILFRED BIRKIN and EDWIN THOMAS SANDS, Broadway, England, assignors to Birkin and Company, Broadway, England. Filed July 13, 1925. Serial No. 14,079. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

68,564. ELECTRIC-LIGHTING FIXTURE. EDWARD BRANDT and HILIA J. BARTON, Detroit, Mich. Filed Aug. 13, 1925. Serial No. 14,422. Term of patent 7 years.



The ornamental design for an electric lighting fixture as shown.

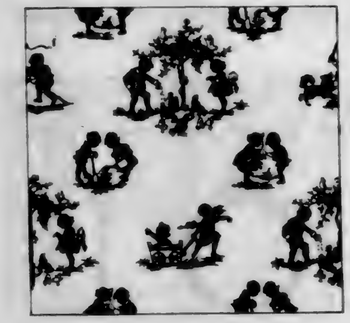
68,565. WALL PAPER. ALFRED C. DODMAN, Jr., Summit, N. J. Filed Aug. 19, 1925. Serial No. 14,508. Term of patent 14 years.

The ornamental design for wall paper, as shown.

68,566. WALL PAPER. ALFRED C. DODMAN, Jr., Summit, N. J. Filed Aug. 19, 1925. Serial No. 14,509. Term of patent 14 years.

The ornamental design for wall paper, as shown.

68,567. WALL PAPER. ALFRED C. DODMAN, Jr., Summit, N. J. Filed Aug. 26, 1925. Serial No. 14,599. Term of patent 14 years.

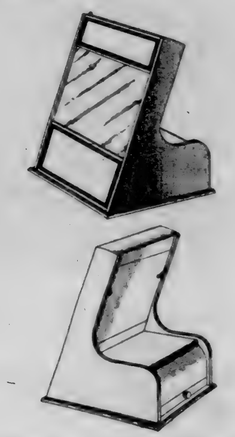


The ornamental design for wall paper, as shown.

68,568. FINGER RING OR ARTICLE OF SIMILAR NATURE. LOUIS FIEDLER, New York, N. Y., assignor to Benjamin Groas Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 14, 1925. Serial No. 12,715. Term of patent 3½ years.

The ornamental design for a finger ring or article of similar nature, as shown.

68,569. CABINET. JOHN L. FLANNERY, Chicago, Ill., assignor to The Boze Needle Co., Chicago, Ill., a Corporation of Illinois. Filed July 30, 1924. Serial No. 10,321. Term of patent 7 years.

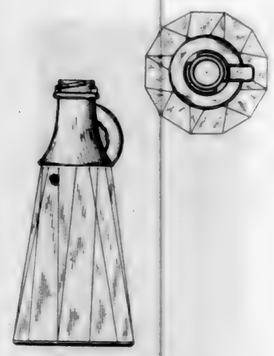


The ornamental design for a cabinet, as shown.

68,570. FINGER RING. MORTIMER C. FOSTER, New York, N. Y., assignor to Milton L. Ernst, Inc., New York, N. Y., a Corporation of New York. Filed July 16, 1925. Serial No. 13,797. Term of patent 7 years.

The ornamental design for finger ring, as shown.

68,571. BOTTLE. PAUL C. GALLAGHER, Omaha, Nebr., assignor to Paxton and Gallagher Company, Omaha, Nebr. Filed June 18, 1925. Serial No. 13,776. Term of patent 14 years.



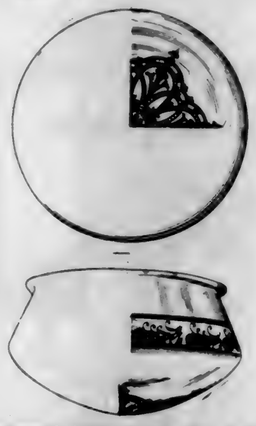
The ornamental design for a bottle, as shown.

68,572. GLASS LIGHTING GLOBE. MARSHALL W. GLEASON, Brooklyn, N. Y., assignor to Gleason-Tiebout Glass Company, Brooklyn, N. Y., a Corporation of New York. Filed July 7, 1925. Serial No. 14,013. Term of patent 3½ years.

The ornamental design for a glass lighting globe as shown.

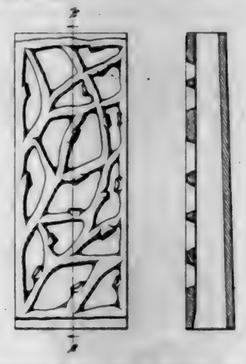


68,573. GLASS LIGHTING GLOBE. MARSHALL W. GLEASON, Brooklyn, N. Y., assignor to Gleason-Tiebout Glass Company, Brooklyn, N. Y., a Corporation of New York. Filed July 7, 1925. Serial No. 14,014. Term of patent 3½ years.



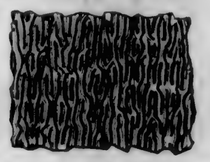
The ornamental design for a glass lighting globe as shown.

68,574. RADIANT FOR GAS HEATERS. JOHN H. GRAYSON, Athens, Ohio, assignor to The J. H. Grayson Manufacturing Company, Athens, Ohio, a Corporation of Ohio. Filed Dec. 29, 1924. Serial No. 11,814. Term of patent 14 years.



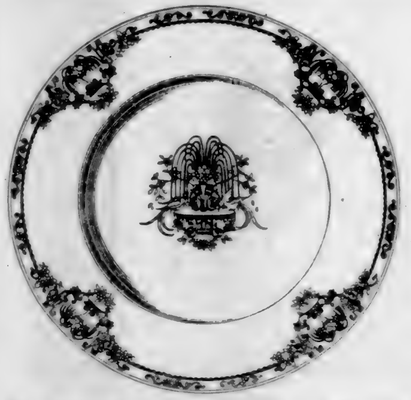
The ornamental design for a radiant for gas heaters, as shown.

68,575. LIGHT-TRANSMITTING GLASS. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 24, 1921. Serial No. 510,142. Term of patent 14 years.



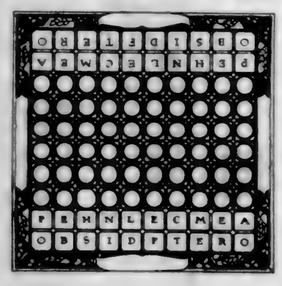
The ornamental design for light-transmitting glass as shown and described.

68,576. PLATE OR SIMILAR ARTICLE. FRANK G. HOLMES, Trenton, N. J., assignor to Lenox Incorporated, Trenton, N. J. Filed Sept. 12, 1925. Serial No. 14,770. Term of patent 14 years.



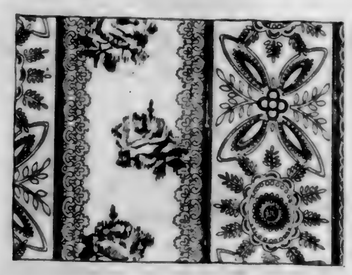
The ornamental design for a plate or similar article, as shown.

68,577. GAME BOARD OR SIMILAR ARTICLE. GEORGE W. HORTON, Queens, N. Y., assignor to John W. Bunker, New York, N. Y. Filed July 11, 1925. Serial No. 14,059. Term of patent 7 years.



The ornamental design for a game board or similar article, as shown.

68,578. TEXTILE FABRIC. WILLIAM C. KORSINEK, Cliffside Park, N. J., assignor to Golding Bros. Company, New York, N. Y., a Corporation of New York. Filed Aug. 21, 1925. Serial No. 14,552. Term of patent 3½ years.



The ornamental design for a textile fabric, as shown.

68,579. SHOE SOLE. MOSS HYMAN LEVY, London, England. Filed May 5, 1925. Serial No. 13,328. Term of patent 14 years.

The ornamental design for a shoe sole, as shown.

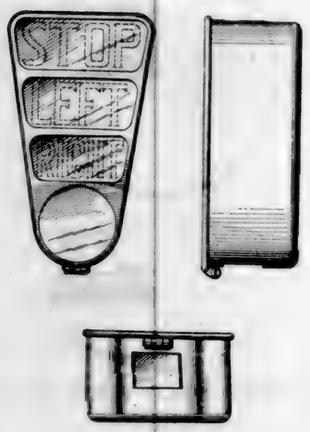
68,580. DOLL. FRANK L. LINDSTROM, Bridgeport, Conn. Filed Aug. 20, 1925. Serial No. 14,537. Term of patent 14 years.

The ornamental design for doll substantially as shown.

68,581. AUTOMOBILE SIGNAL-LIGHT CASING. THOMAS LONEY, Oakland, Calif. Filed Mar. 19, 1923. Serial No. 5,527. Term of patent 14 years.

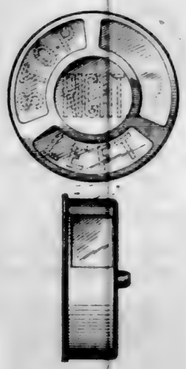
The ornamental design for an automobile signal light casing as shown.

68,582. AUTOMOBILE SIGNAL-LIGHT CASING. THOMAS LONEY, Oakland, Calif. Filed Mar. 19, 1923. Serial No. 5,533. Term of patent 14 years.




The ornamental design for an automobile signal light casing, as shown.

68,583. AUTOMOBILE SIGNAL-LIGHT CASING. THOMAS LONEY, Oakland, Calif. Filed Mar. 19, 1923. Serial No. 5,534. Term of patent 7 years.



The ornamental design for an automobile signal light casing, as shown.



68,584. BROAD-TREAD TIRE. HARRY MCCREARY, Indiana, Pa. Filed May 29, 1925. Serial No. 12,603. Term of patent 8½ years.

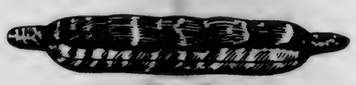
The ornamental design for a broad-tread tire, as shown.

68,585. DIAL FOR RADIO RECEIVING APPARATUS. BENJAMIN P. MCKINLEY, Murray Hill-Flushing, N. Y., assignor to Hemco Electric Manufacturing Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed Sept. 6, 1924. Serial No. 10,693. Term of patent 14 years.



The ornamental design for a dial for radio receiving apparatus, as shown.

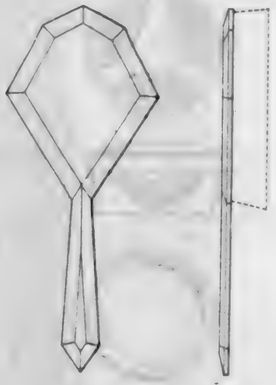
68,586. BOX FOR SOUVENIR PICTURES AND THE LIKE. GEORGE A. MORONEY, Philadelphia, Pa. Filed Aug. 12, 1925. Serial No. 14,401. Term of patent 3½ years.



The ornamental design for a box for souvenir pictures and the like, as shown.



68,587. BRUSH OR SIMILAR ARTICLE. GEORGE R. NEVIUS, Shrewsbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 26, 1923. Serial No. 5,943. Term of patent 7 years.



The ornamental design for a brush or similar article, as shown.

68,588. FACEPLATE FOR AUTO SIGNAL. JOHN O'DONNELL, Jr., Philadelphia, Pa., assignor of one-half to Louis H. Brown, Philadelphia, Pa. Filed Sept. 13, 1922. Serial No. 3,712. Term of patent 3½ years.

The ornamental design for a faceplate for auto signal, as shown.

68,589. JAR. CHARLES J. OPPENHEIM, Jr., New York, N. Y. Filed Aug. 14, 1925. Serial No. 14,423. Term of patent 14 years.

The ornamental design for a jar as shown.

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68,590. BELT BUCKLE. WILLARD A. ORMSBEE, Taunton, Mass., assignor to Taunton Pearl Works, Inc., Taunton, Mass., a Corporation of Massachusetts. Filed Aug. 22, 1925. Serial No. 14,564. Term of patent 3½ years.

The ornamental design for a belt buckle, substantially as shown.

68,591. BELT BUCKLE. WILLARD A. ORMSBEE, Taunton, Mass., assignor to Taunton Pearl Works, Inc., Taunton, Mass., a Corporation of Massachusetts. Filed Aug. 25, 1925. Serial No. 14,586. Term of patent 3½ years.

The ornamental design for a belt buckle, substantially as shown.

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68,592. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 13, 1925. Serial No. 14,438. Term of patent 14 years.

The ornamental design for lace substantially as shown.

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68,593. VENDING-MACHINE CASING. CHARLES P. PRICE, Boston, Mass. Filed July 25, 1925. Serial No. 14,224. Term of patent 14 years.

The ornamental design for a vending machine casing, substantially as shown.



68,594. BOTTLE. ARTHUR F. REED, Rochester, N. Y., assignor to F. E. Reed Glass Company, Rochester, N. Y., a Corporation of New York. Filed June 1, 1925. Serial No. 13,620. Term of patent 14 years.

The ornamental design for a bottle, as shown.

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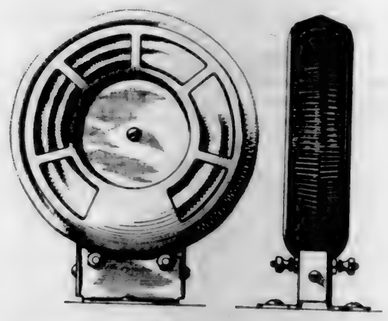
68,595. CASING FOR INDUCTION COIL. FRANK J. REICHMANN, Chicago, Ill. Filed Apr. 16, 1925. Serial No. 13,145. Term of patent 14 years.



The ornamental design for a casing for induction coil, as shown.

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68,596. GEM. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed May 18, 1925. Serial No. 13,474. Term of patent 7 years.

The ornamental design for a gem, as shown.

68,597. GEM. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed May 19, 1925. Serial No. 13,485. Term of patent 7 years.

The ornamental design for a gem, as shown.

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68,598. STATUETTE. IRENE HUNDT RUNDQUIST, Los Angeles, Calif. Filed Apr. 1, 1925. Serial No. 12,974. Term of patent 3½ years.

The ornamental design for a statuette, as shown.

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68,599. GAS HEATER OR SIMILAR ARTICLE. HENRY H. SANFORD, Mansfield, Ohio, assignor to The New Method Stove Company, Mansfield, Ohio, a Corporation of Ohio. Filed Aug. 8, 1925. Serial No. 14,300. Term of patent 3½ years.

The ornamental design for a gas heater or similar article, as shown.

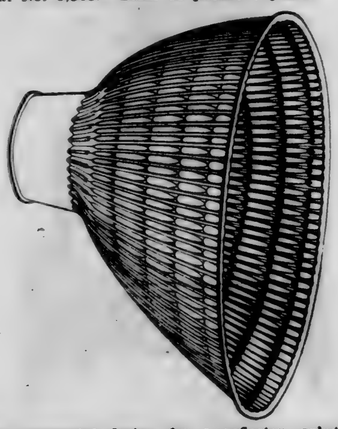
68,600. STRIP OR BANDING FOR DECORATIVE PURPOSES. BERTRAM A. SEGAR, New York, N. Y., assignor to The Segar Studios Inc., a Corporation of New York. Filed July 14, 1924. Serial No. 10,146. Term of patent 7 years.

The ornamental design for a strip or banding for decorative purposes substantially as shown.

68,601. HANDKERCHIEF CASE. HARRY O. SPANKUS, Milwaukee, Wis. Filed May 7, 1923. Serial No. 6,091. Term of patent 14 years.

The ornamental design for a handkerchief case, as shown.

68,602. REFLECTOR. WILLIAM H. SPENCER, Bogota, N. J., assignor to I. P. Frink Inc., New York, N. Y., a Corporation of New York. Filed May 12, 1924. Serial No. 9,563. Term of patent 7 years.

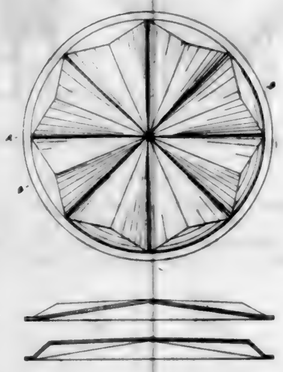


The ornamental design for a reflector, substantially as shown.

68,603. TOWEL CABINET. FRANK M. STEINER and WALTER S. GRAVES, Minneapolis, Minn., assignors to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed Jan. 11, 1923. Serial No. 4,859. Term of patent 3½ years.

The ornamental design for a towel cabinet, as shown.

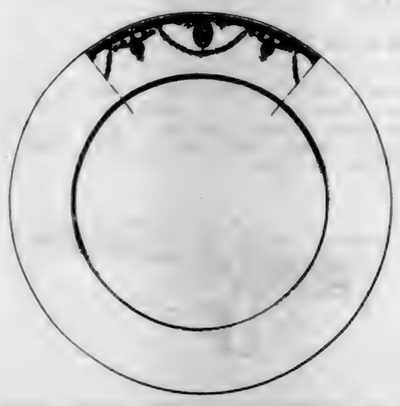
68,604. ORNAMENTAL LENS. SAMUEL STEPHENS, Drumheller, Alberta, Canada. Filed June 10, 1924. Serial No. 9,840. Term of patent 14 years.



The ornamental design for an ornamental lens, as shown.



68,605. PLATE OR LIKE ARTICLE. WILLIAM H. TAMS, Trenton, N. J. Filed Aug. 19, 1925. Serial No. 14,515. Term of patent 7 years.



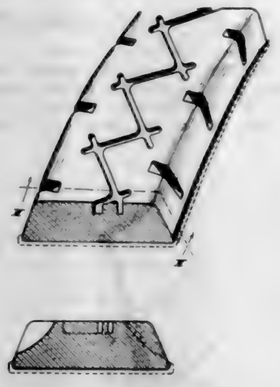
The ornamental design for a plate or like article, as shown.

68,606. BASE FOR LIGHTING FIXTURES. HARRY TEPPER, Brooklyn, N. Y., assignor to Apex Chandelier Co. Inc., New York, N. Y., a Corporation of New York. Filed July 25, 1925. Serial No. 14,214. Term of patent 3½ years.



The ornamental design for a base for lighting fixtures, as shown.

68,607. VEHICLE TIRE. THEODORE E. THOMAS, Baltimore, Md., assignor to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed Oct. 29, 1924. Serial No. 11,218. Term of patent 14 years.



The ornamental design for a vehicle tire as shown.

68,608. LOUD SPEAKER OR SIMILAR ARTICLE. JOHN S. TIMMONS, Germantown, Pa., assignor to Timmons Radio Products Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 11, 1925. Serial No. 13,891. Term of patent 14 years.



The ornamental design for a loud speaker or similar article as shown.

# PATENTS

## GRANTED OCTOBER 27, 1925.

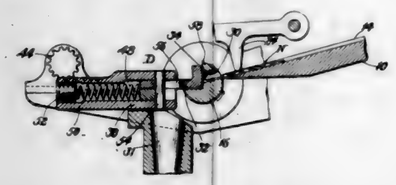
1,558,449. SHADE. WALTER E. ANDREWS, Whitman, Mass., assignor to The Andrews Shade Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 27, 1924. Serial No. 758,382. 2 Claims. (Cl. 240—108.)

1. In a shade of the character described, the combination of an inner backing sheet of flexible, transparent material; a sheet of flexible, absorbent material having a normally opaque body or ground capable of being rendered translucent upon application of an impregnating liquid, cemented to said backing sheet, said absorbent sheet having a prepared and permanently opaque design thereon; and a transparent outer coating of an impregnating and hard-drying material laid over said absorbent and ornamental sheet to give a smooth surface and render the normally opaque body or ground only thereof translucent.

1,558,450. SPARKLER. LOUIS V. ARONSON, Newark, N. J. Filed July 17, 1924. Serial No. 726,523. 5 Claims. (Cl. 46—14.)

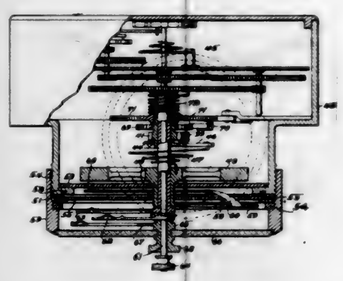
1. A toy comprising, in combination a revoluble momentum member, revoluble translucent disks mounted thereon having portions of different colors, means to cause illumination behind said disks upon revolution of said momentum member and means to revolve said momentum member.

1,558,451. NAIL DISTRIBUTOR. FREDERICK J. BALCOM, Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 2, 1921. Serial No. 498,074. 21 Claims. (Cl. 1—89.)



4. In a nail-distributor, a rotatable discharge device, a yieldable stop member extending into the path of rotation of said device, and means arranged to adjust the stop member with relation to the discharge device.

1,558,452. GASOLINE GAUGE. EDGAR H. BARBE, New York, N. Y. Filed Jan. 6, 1922. Serial No. 527,467. 21 Claims. (Cl. 73—82.)



4. In a device of the class described, the combination of a fluid containing conduit including a cylinder at one end having a relatively large internal diameter and a cylinder at the opposite end having a relatively small internal diameter, pistons fitted in said cylinders, a float controlled mechanism operatively connected to the larger diametered piston to cause the same to move with a fall in the liquid level of liquid controlling the float mechanism, and an indicator operatively connected to the smaller diametered piston whereby the movement of the level fall is multiplied at the indicator by the more rapid movement of the smaller diametered piston.

15. In a means for indicating a change in liquid level per unit of time, the combination of a combined indicator and clock dial, a clock including an hour hand shaft and a minute hand shaft telescoping one into the other and extending through the dial, hands on said shafts coacting with the clock element of the dial, an indicator pointer loosely mounted on the outer of the clock shafts and coacting with the liquid indicating element of the dial, and float controlled means for actuating said indicator.





1,558,453. TREATMENT OF CELLULOSIC FIBERS AND FABRICS. FRANK LESLIE BARRETT, Whalley Range, near Manchester, and ROBINSON PERCY FOULDS, Colne, near Manchester, England, assignors to Tootal Broadhurst Lee Company Limited, Manchester, Lancaster, England. Filed Apr. 9, 1923. Serial No. 630,991. 8 Claims. (Cl. 8—20.)

2. The process which comprises treating cellulosic textile materials with sulfuric acid of between 1.45 and 1.55 spec. grav. in presence of formaldehyde.

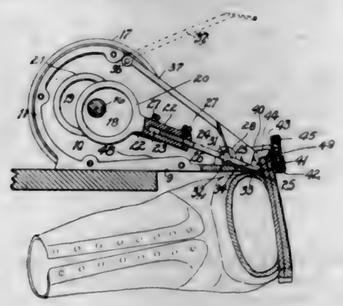
1,558,454. FOOT CONTROL FOR AUTOMOBILES. OLIVER E. BARTHEL and JOHN W. MCCREA, Detroit, Mich. Filed Oct. 4, 1924. Serial No. 741,542. 5 Claims. (Cl. 74—81.)

1. A device of the class described, comprising a footplate, a support hingedly secured to the rear part of said plate, stabilizing means yieldingly bearing on the underside of said plate forward of said support, and adjustable means varying the resilient elevation of said stabilizing means on said foot plate.

1,558,455. TIRE CORE. ARTHUR E. BAUMAN, Akron, Ohio. Filed Sept. 27, 1922. Serial No. 590,907. 2 Claims. (Cl. 152—8.)

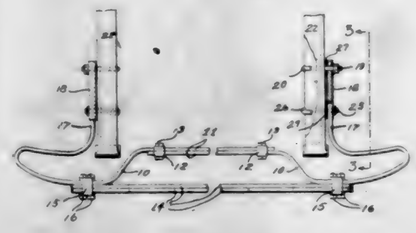
1. A tire having a yieldable core, said core being provided with a plurality of rows of laterally disposed rings extending circumferentially about the same, and the core having spaces intermediate said rows.

1,558,456. STITCH PULLER. GEORGE BECHERER, St. Louis, Mo. Filed Apr. 2, 1924. Serial No. 703,815. 11 Claims. (Cl. 12—17.)



5. A stitch puller comprising a casing, a shaft mounted in said casing, eccentrics secured to said shaft and located within the casing, eccentric straps carried by said eccentrics, hooked needles carried by said eccentric straps, pivoted needle supports carried by said casing, and an adjustable guide carried by said casing and located adjacent the hooked ends of said needles, and means for placing said shaft in rotation.

1,558,457. AUTOMOBILE BUMPER AND SUPPORT THEREFOR. JACOB BEGELMAN, Brooklyn, N. Y. Filed Nov. 14, 1923. Serial No. 674,778. 8 Claims. (Cl. 293—55.)

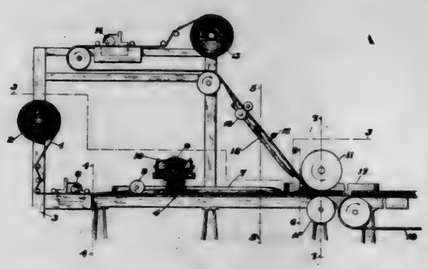


1. The combination of a bumper having supporting terminals; a plurality of engaging enveloping sockets therefor; and means for operatively mounting said sockets on the side bars of automobile chassis, said means embodying a plurality of anchoring hooks adapted to engage the said side bars.

1,558,458. PRESSED-STEEL WHEEL. DAVID H. BELLAMORE, New York, N. Y., assignor to The Steel Wheel Corporation, a Corporation of New York. Filed Aug. 22, 1919. Serial No. 319,091. 11 Claims. (Cl. 301—63.)

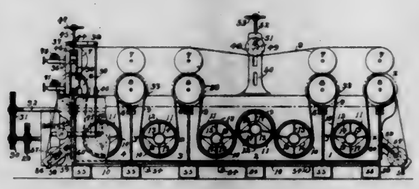
1. A disk wheel embodying a hub portion, a rim portion, a main disk associated with the hub and rim portions for spacing and supporting the hub from the rim, and a reenforcing disk, of smaller size than the main disk, associated with the hub, and secured adjacent its outer periphery to the main disk, the adjacent portions of both the main and reenforcing disks being dished in opposite directions to insure transverse stability of the wheel adjacent the hub, the space between said disks forming a chamber filled with a packing.

1,558,459. MACHINE AND METHOD OF MAKING PLASTER WALL BOARD. CHARLES B. BIRDSEY, Hinsdale, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 4, 1922. Serial No. 592,294. 3 Claims. (Cl. 154—1.)



1. A machine for making plaster wall-board comprising means for advancing a plastic mass between fibrous cover sheets, means for folding in the margins of said sheets to enter into the plastic mass, board forming means, means for passing the cover sheets and plastic mass with the folded in margins of the cover sheets embedded in the mass through the board forming means, said means including the application of pressure upon the cover sheets for causing the plastic mass to enter between the cover sheets and their respective folded margins and bond the cover sheets and margins to each other through the medium of the plastic body of the formed board.

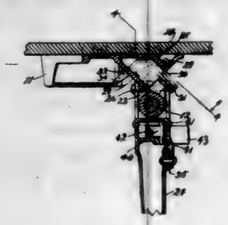
1,558,460. PROCESS OF AND APPARATUS FOR THE BLEACHING, DYEING, AND ANALOGOUS TREATMENT OF TEXTILE FIBERS. JOHN BRANDWOOD, THOMAS BRANDWOOD, and JOSEPH BRANDWOOD, Elton, Bury, England. Filed Jan. 24, 1922. Serial No. 531,391. 6 Claims. (Cl. 8—19.)



1. In an apparatus for treating textile fabrics, the combination of a plurality of rotatable perforated cylinders each supported upon a fixed central bearing adapted to cover some of the perforations in the cylinder as the latter rotates around said bearing, and a conveyor passing over said cylinders and adapted to cover the remaining perforations thereof.

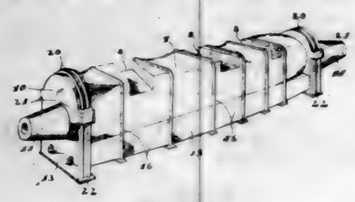
1,558,461. BRAKE MECHANISM FOR RAILWAY CARS. PERCY B. CAMP, Maywood, Ill., assignor to Universal Draft Gear Attachment Co., a Corporation of Illinois. Filed May 21, 1925. Serial No. 31,764. 3 Claims. (Cl. 74—116.)

1. In a hand brake mechanism for railway cars, the combination of a brake shaft, a ratchet wheel fixed to the shaft and having two sets of teeth thereon, a sleeve journaled on the shaft, a hand lever elvoted to the sleeve to swing between an operative position at an angle to the shaft and an inoperative position extending along the shaft, a pawl carried by the lever for



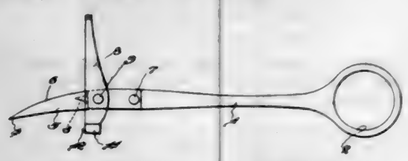
engaging one set of teeth to wind the shaft and a second pawl carried by the lever to engage the other set of teeth to unwind the shaft.

1,558,462. VHICLE AXLE. GEDEON CAYER, Willow Bunch, Saskatchewan, Canada. Filed Dec. 27, 1923. Serial No. 683,010. 3 Claims. (Cl. 301—129.)



1. A vehicle axle skein; having a depending recessed skirt portion; an anxle truss having a reduced end portion engaged in the recess of said skein; and supporting means extended beneath said truss and through the lower portion of said skein.

1,558,463. CAN OPENER. ARTHUR L. CHRISMAN, Springfield, Ill. Filed Sept. 1, 1923. Serial No. 660,579. 2 Claims. (Cl. 30—3.)



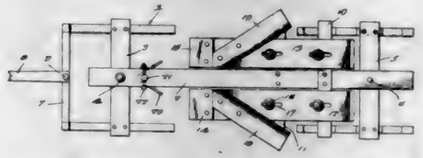
1. A can opener including a handle having one end offset, an inserting point formed on the offset end in parallel relation with the handle, a cutting blade attached to the handle adjacent the offset end and disposed parallel with the inserting point, a guard arm pivotally connected to the handle and normally extended transversely of the cutting blade, a hook at one end of the guard arm and a bearing head at the other end.

1,558,464. SNOWPLOW. EDWIN M. COX, Evart, Mich. Filed June 10, 1925. Serial No. 36,147. 3 Claims. (Cl. 37—149.)

1. A snow plow comprising an elongated beam, front and rear sleighs supported at the respective ends thereof, a cross bar extending transversely across the top of the beam adjacent the rear end thereof, an additional cross bar secured to the bottom of the beam and arranged



forwardly of the aforementioned cross bar, a pair of angularly disposed spaced scrapers, means for adjustably securing the same on said cross bars on the opposite

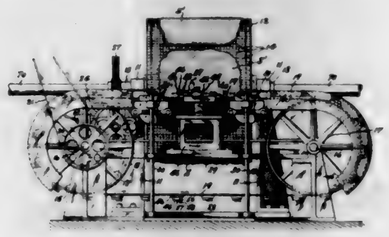


sides of the beam, and rearwardly diverging wings secured on the lower portions of the scrapers for directing the snow to the sides of the road.

1,558,465. LAWN MOWER. HERBERT H. DAHL, Kansas City, Mo. Filed Apr. 6, 1923. Serial No. 630,268. 1 Claim. (Cl. 56—25.)

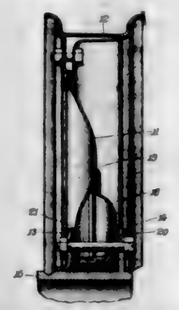
In a lawn mower, a motor housing, separate axle members fixed to and extending from opposite sides of the housing, wheels and a handle frame on the axle members, a handle on the frame, a motor in the housing having a vertical shaft extending below the housing, a knife on the shaft comprising oppositely disposed blades, and means for supplying current to the motor.

1,558,466. PELT OR SKIN DEHAIRING MACHINE. PHILIP C. DONNER, Summit, N. J. Filed Nov. 13, 1924. Serial No. 749,615. 21 Claims. (Cl. 149—19.)



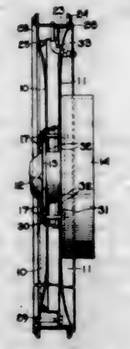
1. In a machine for dehairing pelts or skins, an endless knife-belt, means for driving said knife-belt, a plurality of successive cutting-blades on said knife-belt to project in horizontal plane from one edge of the latter, means for mounting said cutting-blades for yielding movement in a direction opposite to the direction of movement of said knife-belt, and means for supporting and feeding a pelt or skin for progressive movement into the path of said cutting-blades and subject to the cutting action thereof.

1,558,467. DISK WHEEL. GEORGE H. FORSYTH, Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich., a Corporation of Michigan. Filed Oct. 10, 1921. Serial No. 506,625. 5 Claims. (Cl. 301—63.)



1. In a disk wheel, the combination with the hub and the disk body, of muting means acting upon the disk whereby to reduce the resonance of the same, said muting means comprising a non-vibratory member associated with the hub and having contact with the rear face of the disk.

1,558,468. DISK WHEEL. GEORGE H. FORSYTH, Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich., a Corporation of Michigan. Filed Mar. 13, 1922, Serial No. 543,189. Renewed Aug. 24, 1925. 12 Claims. (Cl. 301—63.)

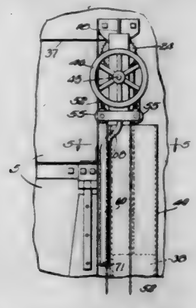


7. The method of forming a disk wheel of steel associated with a hub and a felly, which consists in disposing the disks in spaced relation with their outer edges held apart by the felly member having marginal inwardly opening channeled beads, forcing the center portion of the disks towards each other until their peripheries clear the channel walls of the felly, and then allowing the central portions of the disk to separate sufficiently to cause their peripheries to seat within the channels of the beads, and then fixing the assumed relation of the central portion of the disk at the hub in order to prevent their peripheries from leaving the channels under stress.

1,558,469. CONTROLLING DEVICE FOR CLOSURE-OPERATING MECHANISMS AND THE LIKE. WAINWRIGHT B. GERVAIS, Chicago, Ill., assignor to Variety Fire Door Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 12, 1923. Serial No. 668,062. 6 Claims. (Cl. 268—1.)

3. In combination, a closure, operating mechanism therefor, said mechanism including a clutch, a roller on

the closure, a clutch shifting arm extending into the path of movement of the roller to be actuated thereby,



in opening the closure and a coiled spring normally engaging the clutch and returning said arm to normal position upon closing the closure.

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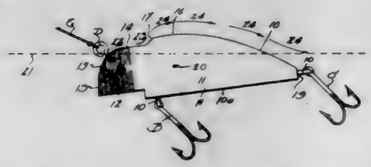
1,558,470. FISH LURE. PORTER D. GIBSON, Sioux City, Iowa. Filed May 29, 1925. Serial No. 33,645. 1 Claim. (Cl. 43—46.)



In a fish lure, a body of rectangular cross section throughout its length, said body having a flat under surface, a head formed integral with said body and of rectangular cross section, said head having a forward face inclined upwardly and a little rearwardly from the perpendicular to the under surface of the body, said head having an upper surface substantially parallel to the under surface of the body, and having an intermediate curved surface connecting said upper surface and the forward face, the body being provided with a back surface projecting above the head and joined to the upper surface thereof by means of a shoulder, said back surface being curved rearwardly and downwardly to substantially reduce the vertical thickness of the rear portion of the body, and a line tie secured in the head in the intermediate curved surface thereof.

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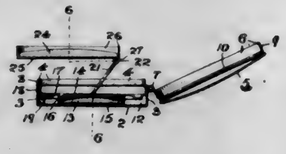
1,558,471. VANITY BOX. FREDERICK GOERTZ, Newark, N. J., assignor to August Goertz & Co., a Corporation of New Jersey. Filed Sept. 26, 1922. Serial No. 590,573. 15 Claims. (Cl. 132—83.)



1. A vanity box comprising a main shell, a lid or cover connected therewith, a second shell normally disposed within said main shell, and a movable connection between said main shell and said second shell for moving the latter shell from and above said main shell when the lid or cover is opened.

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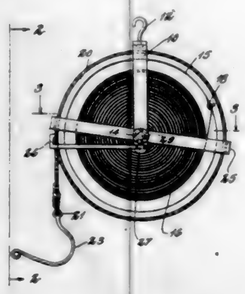
1,558,472. TOBACCO-LEAF CONVEYER. JULIUS GOLON, Suffield, Conn. Filed Jan. 19, 1925. Serial No. 3,414. 1 Claim. (Cl. 254—152.)



In a tobacco leaf conveyer of the class described, the combination of a shaft with a spring controlled drum revolving about said shaft, a cable wound about said drum in two groups spaced from each other, a unitary, hook-shaped article carrier held on the ends of the cables of said groups, a hanger for the conveyer, hook-shaped members attached at one end to said hanger and laterally engaging said cable groups, a means for keeping the cables in a single layer, and a means for preventing a displacement of hanger and drum.

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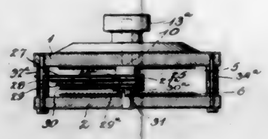
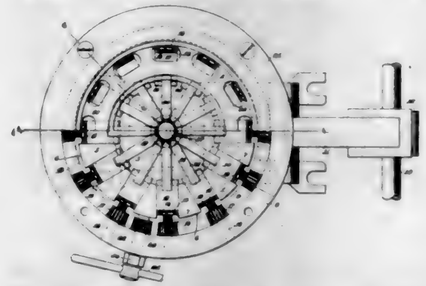
1,558,473. VARIOCOUPLER FOR RADIO TELEGRAPHY AND TELEPHONY. HAYNER H. GORDON, Washington, D. C. Filed Oct. 22, 1923. Serial No. 670,212. 6 Claims. (Cl. 171—119.)



6. In a vario-coupler, the combination of a fixed flat winding, a second fixed flat winding mounted parallel and adjacent to said first winding, a diamagnetic plate member fixedly located adjacent said windings with its plane parallel to the plane of the windings and adapted to alter the natural inductance of the windings by virtue of its relationship thereto and a second diamagnetic plate member mounted adjacent said coils with its plane parallel to the plane of the coils and means for moving said second plate member with respect to said first mentioned plate member.



1,558,474. DIE-PRESSING APPARATUS. JOSEPH R. GORDON, Baldwin, N. Y., assignor to American Numbering Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed Sept. 29, 1923. Serial No. 665,697. 11 Claims. (Cl. 101—401.5.)



1. Apparatus of the character described, comprising a body, means for giving to the body a reciprocating movement, and means having a biting engagement with the surface of the body whereby the said engaging means will be reciprocated by and with the body.

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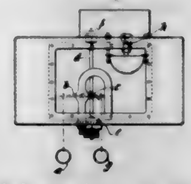
1,558,475. WATER-WASTE PREVENTER. WALTER HENRY GRAY, London, England. Filed Oct. 15, 1923. Serial No. 668,781. 2 Claims. (Cl. 4—26.)



1. A valve discharge cistern of the air-tight type comprising in combination a closed cistern having inlet and outlet openings in the base and an inlet in the top, a spindle operated inlet valve in connection with the inlet in the base, an air admission valve controlling the inlet in the top, a flushing valve controlling the outlet at the bottom, a common rod carrying the air admission and flushing valves so that they move to open and close together and cam means on the inlet valve spindle controlling the movements of the rod carrying the air admission and flushing valves, to open said valves when the inlet valve is closed and close said valves when the inlet valve is opened for the purposes set forth.

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1,558,476. COMBINATION HOOK FOR LIVE BAIT. WILLIAM H. GRUENHAGEN, St. Paul, Minn. Filed Apr. 21, 1923. Serial No. 633,703. 7 Claims. (Cl. 43—40.)

1. A fish hook having a resilient loop intermediate its length disposed in a transverse plane, comprising two portions, one of which is bent and extended to a point adjacent the barb of the hook to form a weed guard.

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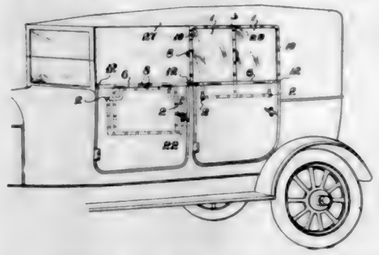
1,558,477. WINDOW. FREDERICK HAROLD HALL, Holford, near Bridgwater, England. Filed Mar. 21, 1924. Serial No. 700,769. 7 Claims. (Cl. 296—45.)

1. In combination, a window comprising two sections and a frame member having a housing for containing the window-sections when the latter are lowered, said window-sections being pivoted to the frame member so as to turn in opposite directions to each other in



their own planes, and having lower corner portions adapted to overlap and to be supported by the upper edge of the frame member when the window-sections are raised.

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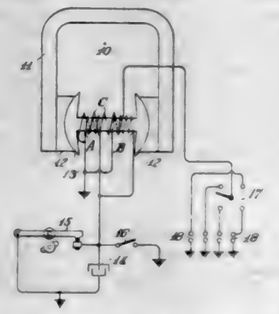
1,558,478. IGNITION SYSTEM. WILLIAM W. HAWKINS, Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Feb. 20, 1922. Serial No. 537,982. 3 Claims. (Cl. 123—148.)



1. In a magneto, a rotor and a stator, one of said magneto elements comprising a core, a primary winding comprising two generating coils wound about said core in the same direction, corresponding ends of said coils being grounded, an interrupter having one contact grounded and the other contact connected to the non-grounded ends of said coils, and a secondary coil in inductive relation to said primary coils and core, but conductively separated therefrom.

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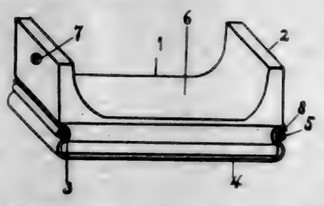
1,558,479. ANTISLIPPING DEVICE FOR LADDERS. WALTER A. HEARN, Baltimore, Md. Substitute for application Serial No. 135,164, filed Dec. 5, 1916. This application filed Jan. 21, 1925. Serial No. 3,889. 2 Claims. (Cl. 228—62.)



1. An independent rectangular supporting means for a ladder foot provided with an anti-slipping means engaging the bottom of said supporting means and pro-

vided with means for securing the said anti-slipping means to said supporting means, comprising a detachable flexible element.

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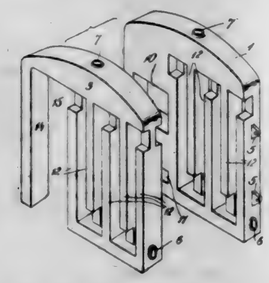
1,558,480. SECTIONAL BOILER. WILLIAM D. HINCHEY, New York, N. Y. Filed Feb. 7, 1923. Serial No. 617,438. 3 Claims. (Cl. 122—225.)



1. In a sectional boiler having associated transversely extending vertical sections forming a combustion chamber and interconnected water chambers, a hollow back section, a plurality of intermediate sections each comprising hollow top and bottom portions directly connected at intervals by hollow vertical portions, the upper and lower ends respectively of alternate vertical portions being reduced in cross section to provide passages through which the gases may flow from the combustion chamber into the spaces between adjacent vertical portions and out through a side of the boiler, and a hollow front section having spaced hollow vertical portions in alignment with the vertical portions of the intermediate sections.

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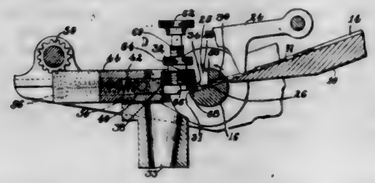
1,558,481. NAIL DISTRIBUTOR. ALBERT E. HUDSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 12, 1923. Serial No. 618,591. 16 Claims. (Cl. 1—39.)



8. In a nail-distributor, a rotatable discharge-roll having nail-receiving openings and a nail-directing surface to which the nails pass from the openings, a stop member arranged to receive contact of the forward extremities of the nails while said extremities are upon the directing surface, and means arranged to impart to the stop member movements in a plurality of directions.

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1,558,482. MOTOR-VEHICLE FUEL-SUPPLY DEVICE. JOHN D. KARLE, Roselle Park, N. J. Filed Apr. 30, 1925. Serial No. 26,961. 8 Claims. (Cl. 158—46.5.)

1. The combination with a carbureter of a motor-vehicle, and a main fuel-tank disposed rearwardly of said carbureter, of an auxiliary fuel-tank disposed forwardly of said carbureter having fuel inlet and outlet ports, a fuel-conduit connecting the main-tank with said inlet-port, a fuel-conduit connecting said outlet-port with the

carbureter, and an automatically acting valve-member incorporated in said auxiliary tank for closing said inlet-port in an upgrade position of the vehicle.

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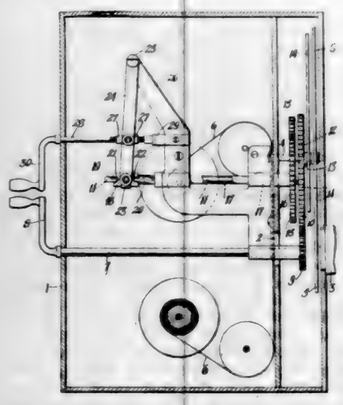
1,558,483. MOTION PICTURE. WILLIAM V. D. KELLEY, Newark, N. J., assignor, by mesne assignments, to Prizma, Incorporated, a Corporation of New Jersey. Filed Nov. 12, 1920. Serial No. 423,533. 17 Claims. (Cl. 88—16.4.)



1. The method which consists in progressively varying the values recorded in a series of negatives made on panchromatic emulsion between black and white and cycles of pure colors.

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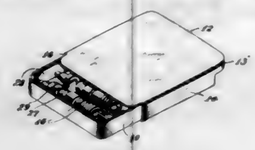
1,558,484. CONTAINER FOR VALVES AND THE LIKE. JEBE G. KINGSBURY, Bridgeport, Conn. Filed July 29, 1922. Serial No. 578,336. 2 Claims. (Cl. 206—16.)



1. In combination, a container, a valve comprising a tubular valve body, a valve stem projecting from the body at one end, and provided with a head at its other end, and a spring upon said stem permitting lifting of



the head and normally retaining the head seated upon the body, and a support for the valve comprising a channel member removably disposed in the container adjacent one wall thereof and spaced from the other wall, and provided in one side with an opening, adapted to be engaged by the valve stem, whereby the body and head clasp upon said support in the removed position thereof, and whereby the stem engages the wall of the container in the inserted position of the support, to retain the valve in the container under spring pressure and to unseat the head.

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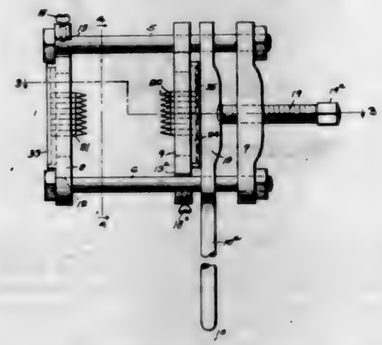
1,558,485. SPRING SPREADER. GOTTLIEB L. E. KLINGBEIL, Omaha, Nebr. Filed Dec. 30, 1924. Serial No. 758,849. 8 Claims. (Cl. 81—3.7.)



1. A device of the character described comprising a pair of rods, a cross-bar connecting said rods, a screw threaded in the cross-bar, a follower plate slidable upon the rods with which said screw is engaged, a wedge plate, a bank of wedges floatingly mounted therein, interengaging means between the back of the wedge plate and the face of the follower plate, and a backing plate opposed to the wedges of the wedge plate.

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1,558,486. AUXILIARY SPRING FOR CONTROLLING LEVERS ON MOTOR VEHICLES AND THE LIKE. WILLIAM KLUMP, West Orange, N. J., assignor of one-third to John William Weed, Orange, N. J., and one-third to Gustavus R. Weed, East Orange, N. J. Filed June 25, 1924. Serial No. 722,216. 7 Claims. (Cl. 74—39.)

1. In a device of the character described, an operating lever, a lever pivotally mounted on said operating lever, a resilient member between said pivotally mounted lever and said operating lever having one end formed into a closed loop adapted to pass over and around said pivotally mounted lever and its other end so formed as to grip said operating lever, adapted to force said pivotally mounted lever into operative position.

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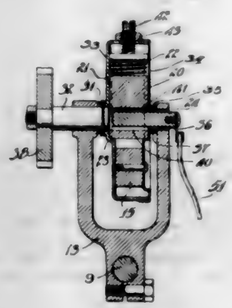
1,558,487. SPEED INDICATOR. HERMAN D. KRAUSS, Lakewood, Ohio. Filed May 7, 1923. Serial No. 637,174. 8 Claims. (Cl. 200—80.)



1. In a device of the character described the combination with a support, of a rotary driving member journalled therein, a driven hollow member rigidly mounted upon the driving member and having an opening in alignment with the axis of the driving member, a stationary contact member carried by said support and projecting into the driven member through said opening, a movable contact member mounted radially within the driving member and normally held out of engagement with the stationary contact member when the speed of the driving member is below a predetermined value, said movable contact member being adapted to engage the stationary contact member when the speed of the driven member reaches a predetermined value whereby an electric circuit is completed through said contact members.

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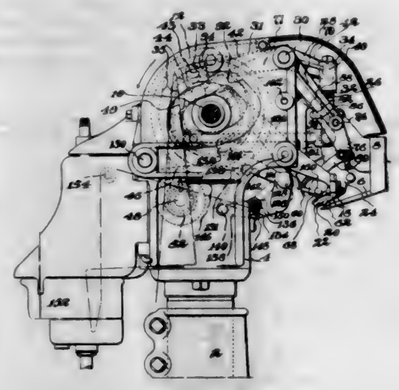
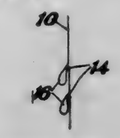
1,558,488. LASTING AND THREAD-FASTENING MACHINE. FRED N. LA CHAPELLE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 11, 1919. Serial No. 323,199. 53 Claims. (Cl. 12—6.)



1. In a machine of the class described the combination of means for lasting successive portions of a shoe upper and means for securing each portion while held in lasted position by an individual thread fastening which is self-sufficient to hold the upper in fixed position.

1,558,489. SHOEMAKING. FRED N. LA CHAPELLE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 16, 1921. Serial No. 461,807. 7 Claims. (Cl. 36—72.)



1. That method of making shoes which comprises lasting over the shoe bottom with the upper materials, a protective cover having surplus material therein, finishing the shoe, severing the protective cover approximately at the sole-attaching seam, placing the same cover about the upper of a second shoe of the same size, and utilizing the surplus material to extend the severed edge downwardly to last it over the bottom of the second shoe.

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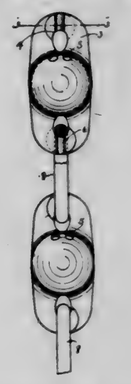
1,558,490. LINK CUP FOR CHAIN PUMPS. JAMES B. MAYBERRY, Shreveport, La. Filed Oct. 9, 1923. Serial No. 667,574. 19 Claims. (Cl. 198—152.)



18. Means for pumping deep drilled wells including an endless chain incorporating combined receptacle-and-link units, each of which consists of two recessed sheet metal members joined together to form the receptacle-link.

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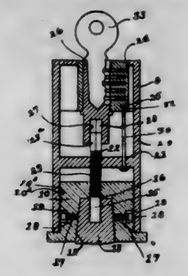
1,558,491. BATTERY CONNECTER. JAMES L. MORFOOT, Akron, Ohio. Filed Oct. 14, 1922. Serial No. 594,587. 8 Claims. (Cl. 136—29.)



1. In a device of the class described, in combination with a battery an insulating member having a socket adapted to receive the terminal post of a battery, means to secure said insulating member to said post, a casing adapted to fit over said insulating member and lock controlled means to secure said casing to said insulating member, said means being operable to establish an electrical contact between said post and said casing.

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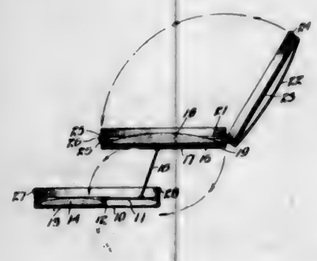
1,558,492. VANITY CASE. SIMON MORRISON, Brooklyn, N. Y., assignor to August Goertz & Company, Inc., Newark, N. J., a Corporation of New Jersey. Filed Jan. 25, 1923. Serial No. 615,445. 13 Claims. (Cl. 132—83.)



10. In combination with a box adapted to contain a rouge-compact, or the like, a carrier-frame pivotally connected with said box, a second box, and a means of pivotal connection for pivotally connecting said second box to said frame.

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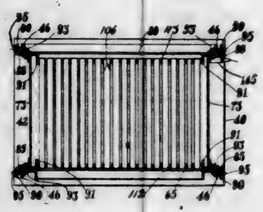
1,558,493. AIR-HEATING APPARATUS. CHARLES D. MOSHER, New York, N. Y. Filed Aug. 14, 1923. Serial No. 657,303. 4 Claims. (Cl. 257—166.)



3. In an air heater the combination of a casing, a pair of adjustable bars at each of the sides of the casing, a plurality of air chambers arranged in a row in the casing, corrugated side walls spaced apart for each chamber, channel irons encasing the front and rear portion of each chamber, one of said channel irons having a pair of openings leading into its chamber, movable bars at the sides of the casing and means to clamp the bars to the casing and to bear against said channel irons at the ends of said row to clamp the chambers in place with passages between them.

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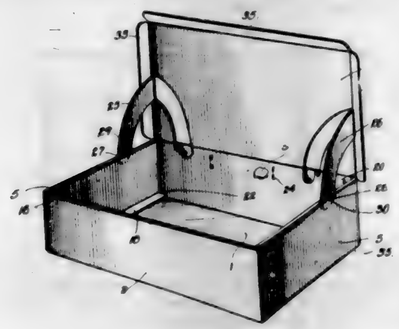
1,558,494. DISPLAY BOX. EDWIN H. NEWTON, Kansas City, Mo., assignor to National Paper Box Company, Kansas City, Mo., a Corporation of Missouri. Filed Oct. 8, 1923. Serial No. 667,164. 3 Claims. (Cl. 206—44.)

1. A display box having a bottom, a front wall, a back wall, end walls and a cover connected to the rear wall by a fold, the end walls having double thicknesses



with slits in their upper edges, curved stay members cut from within the perimeter of the cover having tongues



engageable with the slits, and projections adjacent to the tongues overlapping the edges of the end walls to support the cover in a vertical position.

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1,558,495. PROCESS OF MAKING ROOFING FELT OR LIKE MATERIAL. FREDERICK C. OVERBURY, Hillsdale, N. J., assignor, by mesne assignments, to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed July 29, 1915. Serial No. 42,628. Renewed Nov. 14, 1919. Serial No. 338,118. 1 Claim. (Cl. 154—40.)

The herein described method of producing a flexible composite sheet of fibrous material, consisting in bringing into face contact two layers of wet pulpy felted fiber and asbestos fiber, causing the said fibers of said layers to interlock, and then drying the sheet thus formed.

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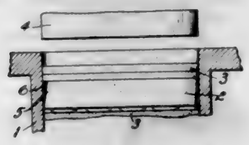
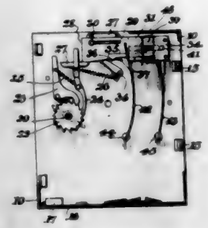
1,558,496. METHOD OF UNITING A RUBBER HEEL AND LEATHER BASE. DENNIS PARKS, St. Louis, Mo. Filed Jan. 31, 1924. Serial No. 689,789. 5 Claims. (Cl. 12—147.)



1. The method of uniting the members of a composite heel-blank of leather and rubber, in which the breast of the rubber heel inclines rearwardly, which comprises pasting a leather base and a rubber heel together within a container, the walls of which are engaged by the edges of said members while maintaining the members at such inclination as to bring the upper edge of the breast of the rubber heel substantially flush with the lower edge of the breast of the leather base.

1,558,497. COIN-CONTROLLED MECHANISM. RAYMOND H. PEASE, Chicago, Ill., assignor to Charles Malouf, Chicago, Ill. Filed Oct. 27, 1921. Serial No. 510,718. 2 Claims. (Cl. 194—78.)



1. In combination with a clock and a clock casing, a lock-retained closure for the casing carrying a ratchet fixed to the winding arbor of the clock, spring-pressed pivoted detents engaging the ratchet, a spring-returned manually slidable member for engaging one of said detents, said member carrying at one end a plurality of coin-receiving slots, a spring-returned manually slidable member for releasing the other of said detents, said second member carrying at one end a plurality of coin-receiving slots and a handle projecting through the closure plate for manipulation from the outside of the clock-frame.

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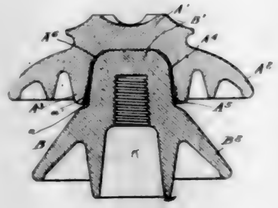
1,558,498. METHOD OF MAKING INSULATORS. JOHN M. PECK, CORNELIUS VAN DYKE BENNETT, and JAMES W. RYAN, Lima, N. Y., assignors to The Porcelain Insulator Corporation, Lima, N. Y., a Corporation of New York. Filed May 12, 1922. Serial No. 560,453. 2 Claims. (Cl. 18—47.5.)



1. The method of constructing an insulator formed of a plurality of hollow porcelain sections, consisting of first placing a resilient cement within the outer section, nesting the sections and applying pressure thereto to squeeze the resilient cement outwardly and bring the sections close together, and then inserting a non-resilient cement through the space between the bottom edge of the outer section and adjacent surface of the inner section, causing said non-resilient cement to fill the space between the sections not occupied by the resilient cement.

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1,558,499. INSULATOR CONSTRUCTION. JOHN M. PECK, Lima, N. Y., assignor to The Porcelain Insulator Corporation, Lima, N. Y., a Corporation of New York. Filed Jan. 8, 1923. Serial No. 611,314. 4 Claims. (Cl. 173—318.)

4. An insulator comprising a plurality of nested sections of insulating material, the lower section having a rounded top fitting a correspondingly rounded recess in

the upper section, the opposed side walls of the sections constituting attaching surfaces, rigid cement located between said side walls for securing the sections together, said rounded surfaces terminating in opposed shoulders, and a sealing device located between said shoulders and acting to prevent access of the rigid cement between said rounded surfaces.

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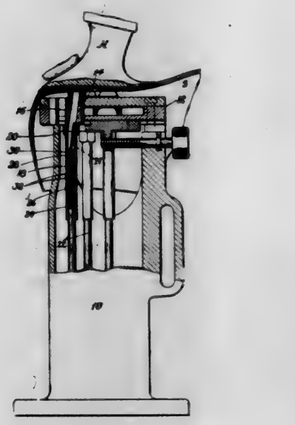
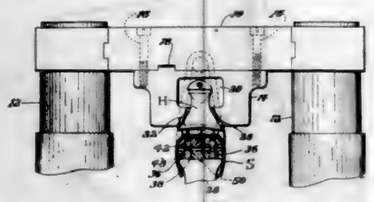
1,558,500. DRIVING DEVICE. JOSEPH H. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 2, 1919. Serial No. 327,966. 22 Claims. (Cl. 1—32.)



1. In a machine of the class described, a member having a guide passage with portions inclined with respect to one another, and a unitary flexible driving member movable in the passage and bending in its passage from one inclined portion to another.

1,558,501. HEEL-ATTACHING MACHINE. JOSEPH H. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 20, 1922. Serial No. 576,286. 14 Claims. (Cl. 1—32.)



1. In a machine for attaching heels having projections, an engaging member arranged to contact with a heel at the sides only, and means arranged to apply pressure to the engaged heel and a shoe and to contact with the heel-projections to effect the attachment.

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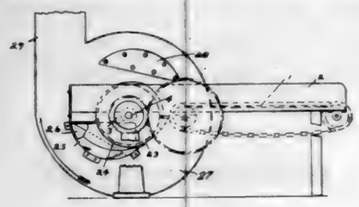
1,558,502. ENSILAGE MACHINE. JEFFREY J. POWER, Madison, Wis., assignor to Power-Stevens Fan Devices Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 17, 1923. Serial No. 657,867. 10 Claims. (Cl. 146—107.)



1. In a device of the character described, the combination with a centrifugal fan, a casing therefor having a segmental opening at one side of its center, and a trough projecting in an axial direction from said opening and adapted to feed material thereto; of a rotary cutter operable adjacent said casing and arranged to deliver material to said trough; and a cutter housing extending above said casing and partially covering said trough, said housing providing an opening above one margin of said trough, whereby to facilitate creation in said trough of whirling air currents induced by the fan and casing aforesaid.

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1,558,503. HOSE CONNECTION FOR AUTOMOBILE ENGINES AND RADIATORS. JOHN G. PRESSLER, Chicago, Ill. Filed Oct. 6, 1921. Serial No. 505,705. 13 Claims. (Cl. 285—90.)

1. In a flexible connection of the character described, the combination with separate conduit sections, of means for providing a fluid-tight connection for said sections comprising an all rubber tube the passage through which is of less diameter than the external diameter of said



sections and is dilated when the tube is in its applied position; said tube being provided in its inner and outer surfaces with a series of oppositely disposed recesses whereby said tube is, in effect, divided into a series of bands.

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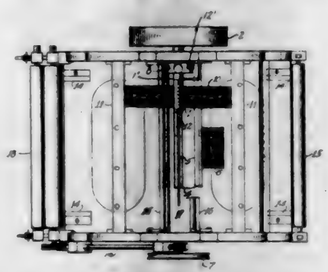
1,558,504. PAPER-PERFORATING MACHINE. SIDNEY A. RAGAN, New Orleans, La., assignor of one-half to Harold Frost, New Orleans, La. Filed May 16, 1924. Serial No. 713,751. 4 Claims. (Cl. 164—111.)



1. A paper perforating machine, comprising a frame, a guide plate mounted thereon, means for guiding a strip of paper across the guide plate, a bar movably mounted upon the frame above the guide plate, means for reciprocating said bar vertically, a punch bar movably mounted in the first mentioned bar, spring means for normally holding the punch bar in an elevated position, a spring pressed bar mounted for movement transversely of the first mentioned bar and adapted to engage the punch bar, and means operatively connecting the spring pressed bar, with the key of an instrument.

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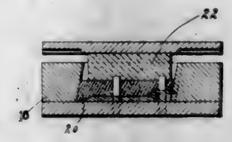
1,558,505. METHOD OF PRODUCING RUBBER ARTICLES. EUGENE J. RAY, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 31, 1924. Serial No. 759,174. 5 Claims. (Cl. 18—59.)



2. The method of molding a rubber article having different portions of unlike character which consists in cold molding and condensing a mass of unvulcanized rubber composition of one character, under pressure, to the exact size and shape of a portion of a vulcanizing mold adapted to produce the entire article, fitting the molded mass into said portion of the mold, placing in the mold a sufficient mass of unvulcanized rubber composition of another character to fill the remaining space in the mold, and applying heat and pressure sufficient to cause the second mass to take the shape of the mold and both masses to be vulcanized into a unitary article.

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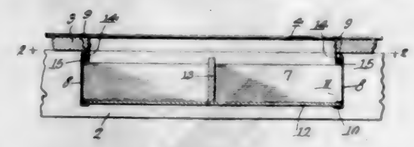
1,558,506. DRAWER CONSTRUCTION. FORREST OTTO RISK, Rhinelander, Wis. Filed June 4, 1925. Serial No. 35,016. 1 Claim. (Cl. 45—77.)

The combination with a table structure having a drawer opening, depending strips secured to said structure and extending backwardly from the opening, and upwardly and outwardly extending flanges on the strips, of a drawer including front and back portions, side plates connecting the same and extending above the back portion, said plates having inwardly extending flanges



mounted on and slidably engaging the flanges on the strips, an inwardly extending supporting flange at the lower portion of each side plate surmounted by an integral channel, and a drawer bottom seated at its sides within the channel.

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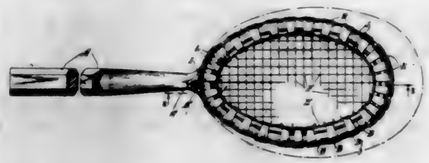
1,558,507. TENNIS RACKET. AMBROSE RYDER, New York, N. Y. Filed May 26, 1921. Serial No. 472,679. 14 Claims. (Cl. 273—73.)



1. A tennis racket comprising a frame and a web formed independent thereof and pneumatic means supported by the frame and a plurality of independent bands holding said web to said frame under tension.

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1,558,508. HOOK. HENRY SCHOEBEL, Hempstead Gardens, N. Y. Filed Aug. 2, 1924. Serial No. 729,762. 4 Claims. (Cl. 24—228.)

2. In a device of the class described composed of a single piece of wire, the combination with a intermediate shank portion, of a short longitudinal shank portion disposed adjacent said intermediate shank portion, an elongated longitudinal shank portion extending the entire length of the hook member in a straight line and disposed adjacent said intermediate shank portion, a hook portion extending up from said longitudinal shank portions, a loop portion connecting said elongated shank portion with said hook portion, a second loop portion connecting said short shank portion with said intermediate shank portion, and a third loop portion formed at one end of said elongated shank portion, the three shank portions and three loops being disposed in the same plane.

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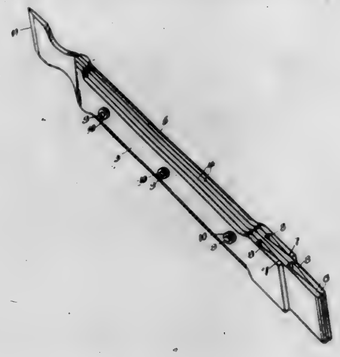
1,558,509. DISHWASHER. THEODORE SCHWEITZER, St. Paul, Minn. Filed Oct. 27, 1924. Serial No. 746,041. 4 Claims. (Cl. 15—147.)

1. In a device of the class described, a handle, a pair of jaws projecting from an end of said handle for

holding the central portion of a wash cloth, and jaws arranged on opposite sides of said handle to hold the



side portions of said cloth, whereby the same may be secured as to constitute a pad entirely covering the projecting pair of jaws.

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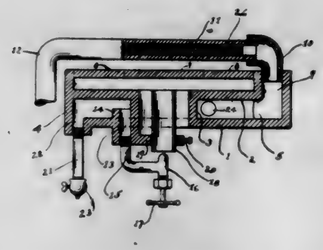
1,558,510. BURNER. CLARENCE A. SHALER, Waupun, Wis. Filed Oct. 12, 1921. Serial No. 507,346. 5 Claims. (Cl. 158—64.)



5. A hydrocarbon burner comprising the combination of a body portion subdivided into a burner cavity and a vapor cavity beneath said burner cavity and provided with a tubular air passage extending upwardly to the burner cavity, a disk like baffle plate disposed above said passage and spaced from the walls of said burner cavity, a pair of arms extending from the side walls of said cavity and supporting the baffle plate at opposite sides thereof, a tube adjustably supported in said air passage, a valve nozzle in communication with the vapor cavity and arranged to discharge upwardly into said tube, and a fuel supply pipe leading horizontally across the burner cavity and downwardly into the vapor cavity, said baffle plate having its supporting arms disposed substantially vertically beneath said fuel supply pipe.

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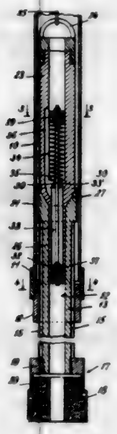
1,558,511. FEEDING-PRESSURE REGULATOR FOR EARTH-BORING BITS. EGGLESTON SMITH, Mamaroneck, N. Y., assignor to Eggleston Drilling Corporation, Dover, Del., a Corporation of Delaware. Filed Jan. 21, 1925. Serial No. 3,711. 28 Claims. (Cl. 255—47.)

1. In an earth-boring apparatus the combination of an earth-boring bit, a driving element extending down the hole being drilled for rotating the bit, a device for connecting the bit to the lower end of the driving element for imparting positive rotation to the bit and for permitting longitudinal movement thereof with respect to



the driving element, and means operable by fluid pressure and associated with said device for exerting a feeding pressure upon the bit.

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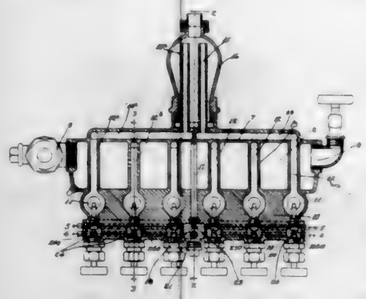
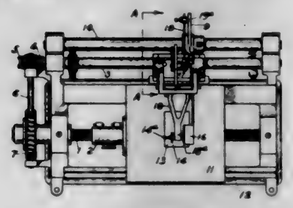
1,558,512. LUBRICATOR. W EARL SNYDER, Cincinnati, Ohio, assignor to The Edna Brass Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 23, 1924. Serial No. 727,824. 4 Claims. (Cl. 184—49.)



4. A lubricator comprising a web having a pair of channels, a supply well and feed chambers therein, the well communicating with each of the channels, a valve controlling communication between the supply well and one of the channels, the inner walls of the channels lying adjacent the feed chambers, and means accessible from the outside of the web and removable for providing access to the inner walls of the channels for perforating said inner walls to establish communication between one of the channels and a given feed chamber.



1,558,513. DEVICE FOR RULING GRADUATED SCALES. WILMER SOUDER, Salem, Ind. Filed Aug. 29, 1923. Serial No. 660,059. 8 Claims. (Cl. 33—32.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. In a ruling machine comprising a traveling carriage and ruling mechanism including a stylus, means to cause the carriage to travel continuously in one direction associated with means to cause the stylus to be reciprocated transversely to the movement of the carriage.

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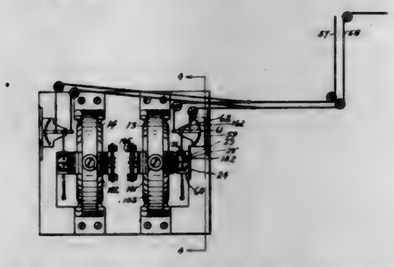
1,558,514. MULTIPLE GYRO SHIP STABILIZER. ELMER A. SPERRY, Brooklyn, N. Y. Filed Mar. 31, 1917, Serial No. 158,780. Renewed Jan. 5, 1923. 35 Claims. (Cl. 74—78.)



8. In stabilizing apparatus for ships, the combination with a plurality of stabilizing units, and means for synchronizing their operation when more than one are being operated.

31. In a ship stabilizing apparatus, the combination with a moving part to be accelerated and retarded during a rolling cycle, of a fly wheel, means for rotating the same, and means for utilizing the momentum of the fly wheel for accelerating said part.

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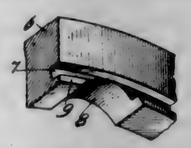
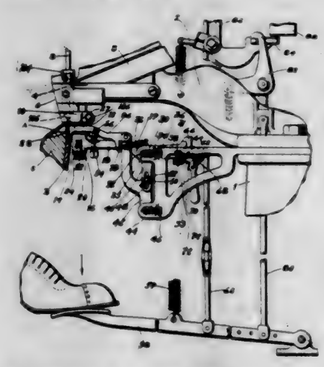
1,558,515. PISTON MECHANISM. DANIEL C. TEETOR, Indianapolis, Ind. Filed Aug. 23, 1924. Serial No. 733,702. 2 Claims. (Cl. 74—108.)



1. The combination with a hollow piston formed with a piston ring receiving groove and having passages establishing communication between the piston interior and said groove; and a piston ring occupying said groove and having an external circumferentially extending groove in its outer circular face and in a zone between and spaced apart from the flat faces of the ring, said ring also having passages formed in and extending across one flat face of the ring and of a depth to merge with the aforesaid groove in the ring.

1,558,516. LASTING MACHINE. FRANK H. THOMPSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 19, 1919. Serial No. 324,748. 72 Claims. (Cl. 12—2.)



27. In a machine for lasting shoes, the combination of a throat formed to present a plane surface disposed substantially horizontally, a member for gripping the margin of an upper against the plane surface of the throat, means operable on the outer surface of a sole adjacent to the upper where it is engaged by the gripper member to effect relative movement of the upper and the sole, means for lowering the gripper member away from the throat, and means for positioning the moving means above the upper engaging surface of the gripper member when in lowered position to enable the upper to be guided and supported by the moving means during its introduction between the upper engaging surface of the gripper member and the plane surface of the throat.

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1,558,517. PROCESS OF PAINTING. THOMAS E. THOMPSON, Wilmette, Ill. Filed May 5, 1924. Serial No. 711,046. 1 Claim. (Cl. 91—71.)

The process of covering an article with a coating of permanent color which consists of applying to said article a mixture of powdered fused enamel of predetermined color and a fluid vehicle which leaves a binding residue, and baking said article at a temperature below the fusing point of said enamel.

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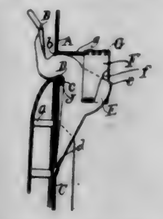
1,558,518. REGISTER-DAMPER-OPERATING DEVICE. WILLIAM T. TRUAX, Battle Creek, Mich., assignor to United States Register Company, Battle Creek, Mich., a Corporation of Michigan. Filed Dec. 10, 1924. Serial No. 755,356. 4 Claims. (Cl. 98—54.)



1. In a register damper operating device, the combination with a register front, of a projecting member attached to the front inside thereof, the said projecting member having a rigid portion extending downwardly, a spring attached to the projecting member and arranged

facing the said rigid portion, a damper having an upper edge pivotally supported by the said front, a lever having a recess engaging the said upper edge of the damper as a fulcrum, the said lever having a finger piece passing through the front and an extension inside of the front arranged between the said spring and the rigid portion of the projecting member and in frictional contact with them, and the said lever having an end secured to the said damper.

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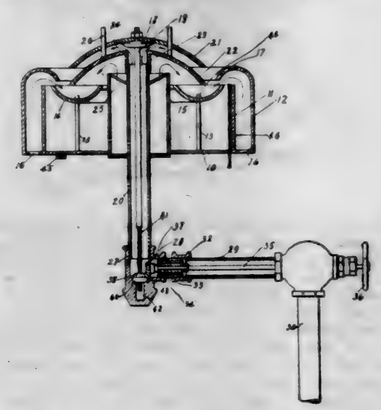
1,558,519. OIL BURNER. FRED F. UHL and HERER J. UHL, Bartlesville, Okla. Filed Apr. 23, 1924, Serial No. 708,543. Renewed Mar. 28, 1925. 3 Claims. (Cl. 158—91.)



2. An oil burner comprising a casing including spaced inner and outer walls, a tubular member arranged centrally of the burner, a trough interposed between the inner wall and said tubular member and lying substantially flush with the upper edge of said inner wall, the space between said inner and outer walls defining an air inlet chamber having openings in the bottom thereof, said chamber opening into said trough at one side thereof, said tubular member being open at the bottom whereby air is admitted to the trough from the opposite side thereof, oil supply pipe supporting the burner, spaced heating plates arranged above said pipe and adapted to convey the oil from the pipe to the trough, and a manualy operable valve movable toward and away from the adjacent end of said pipe and arranged to regulate the quantity of oil admitted to the trough.

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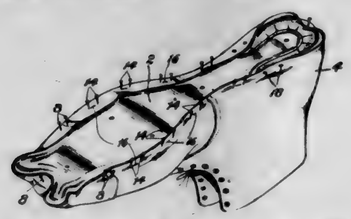
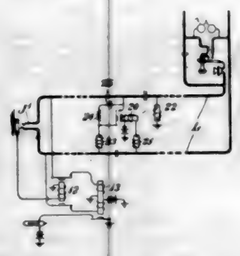
1,558,520. METHOD OF MAKING SHOES. EVERETT W. VARNEY, Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 19, 1921. Serial No. 523,469. 23 Claims. (Cl. 12—145.)



11. That improvement in methods of making shoes which consists in tensioning successive portions of a shoe upper, inserting through each tensioned portion a temporary tack and concurrently inserting through the upper and innersole rib a permanent fastening.

1,558,521. TELEPHONE-EXCHANGE SYSTEM. ERICH VON NOSTITZ, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 21, 1921. Serial No. 446,589. 3 Claims. (Cl. 179—44.)



1. A telephone exchange system comprising a telephone line terminating at a subscriber's station, a link circuit adapted to be associated therewith, a source of ringing current associated with said link circuit, means responsive to the connection of the link circuit and telephone line whereby ringing curernt is applied to said line and subscriber's station, a tripping relay associated with said link circuit so adjusted that it will not operate when the line is open at the subscriber's station, a slow operating relay connected only with the ring side of the line and entirely unresponsive to the application of ringing current thereto but responsive to the closure of said line at the subscriber's station, means subject only to the control exerted by said slow acting relay for so reducing the resistance presented by the line and link circuit to the ringing current that said tripping relay will be operated, and means controlled by said tripping relay for disconnecting the ringing current.

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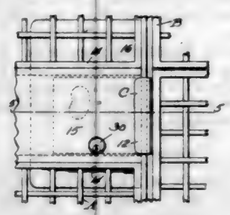
1,558,522. LOCK. SHERMAN L. WATSON, AUGUST W. BECKSTROM, and VICTOR GRONBERG, Jamestown, N. Y., assignors to Art Metal Construction Company, Jamestown, N. Y. Filed Sept. 23, 1922. Serial No. 590,058. 6 Claims. (Cl. 292—138.)



1. The combination of a lock casing having at opposite ends thereof openings for the entrance of a keeper stud, opposite stud-engaging parts movable in said casing adjacent said openings and each adapted to move into and out of holding engagement with a keeper stud etering through the adjacent opening, said latch-engaging parts being arranged to move in the same direction to engage the keeper studs, a pivoted lever which actuates both of said stud-engaging parts, and a keeper stud arranged to enter one of said openings.

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1,558,523. HAIR CURLER. AUGUSTUS A. WEST, Philadelphia, Pa., assignor to Magic Hair Curler Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 6, 1924. Serial No. 711,317. 1 Claim. (Cl. 132—43.)

A hair curler formed of flexible wire and having a plurality of arms, a loop connecting the arms and means



arranged inwardly from though adjacent to said loop for securing the arms permanently engaged one upon

the other the ends of said arms being free and of uniform contour.

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1,558,524. SEALING DEVICE. WILFORD J. WINNINGHOFF, East Orange, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed Jan. 6, 1920. Serial No. 349,815. 2 Claims. (Cl. 176—50.)

1. An hermetic junction between walls of vitreous material having thermal expansion co-efficients between those of quartz and tungsten comprising a boro-silicate vitreous material having a composition of approximately 20—80, another bore-silicate vitreous material having a composition in the neighborhood of 25—75, and fused in juncture to the first named vitreous material, and another boro-silicate vitreous material having a composition in the neighborhood of 30—70 and fused in juncture to the second named vitreous material.

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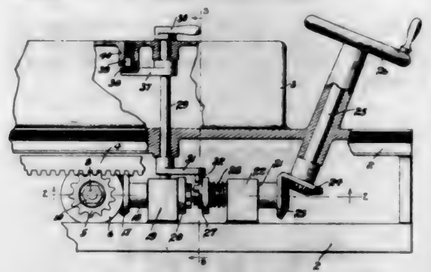
1,558,525. GRINDING MACHINE. ARTHUR WILLIAMS, Grand Rapids, Mich., assignor to Wilmarth & Morman Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Feb. 26, 1923. Serial No. 621,259. 4 Claims. (Cl. 51—231.)



1. In a machine of the class described, a longitudinally movable table, supporting guides therefor, a rack connected to the table, a vertical sleeve rotatably mounted below the table, a pinion at the upper end of the sleeve connected with the rack, a gear on the sleeve below the pinion, a clutch member fixed at the lower end of the sleeve, a movably mounted clutch member adapted to connect with the first clutch member, a power operated mechanism connected with the movably mounted clutch member to drive the same, manually operable mechanism connected with the gear on the sleeve and including two additional clutch members adapted to be connected or disconnected, and means for selectively connecting either the first two clutch members and disconnected the last two clutch members, or vice versa, substantially as described.

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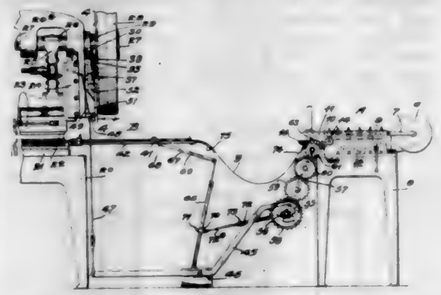
1,558,526. RADIATOR-FIN-FORMING MACHINE. MEINHARD WITTE, Minneapolis, Minn. Filed Aug. 20, 1923. Serial No. 658,234. 7 Claims. (Cl. 153—2.)

1. The combination with ribbon-corrugating mechanism and ribbon-punching mechanism, the latter receiving the corrugated ribbon from the former, of a ribbon-feeding device operative on the corrugated ribbon between the said two mechanisms and timed in respect to said corrugating mechanism, and means controlled by said feeding device for intermittently tripping the punching mechanism into action.



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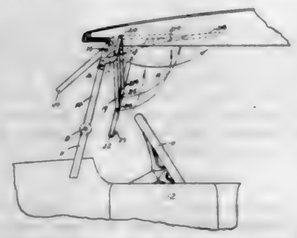
1,558,527. GLARESHIELD FOR AUTOMOBILES. CARL E. E. WOLFERMANN, New York, N. Y. Filed Oct. 4, 1924. Serial No. 741,757. 4 Claims. (Cl. 246—97.)



1. A movable glare shield for automobiles, comprising a colored glass plate covering the front and extending from below the steering wheel to above the eyesight of the driver, a frame surrounding said colored plate, a fixture extending into a bayonet shaped arm, secured to the automobile body in front of and above the steering wheel, a straight rail hingedly connected to the frame below the center of gravity of the framed glass plate and with its other end to the lowest point of aforesaid bayonet, another rail slightly bent at one end, hingedly connected with its bent end to the frame at the height of the center of gravity of the framed glass plate and with its other end to the uppermost point of the bayonet, both rails being of such length as to hold the colored glass plate in front of the steering wheel in a substantially vertical position extending from slightly below the steering wheel to above the eyesight of the driver.

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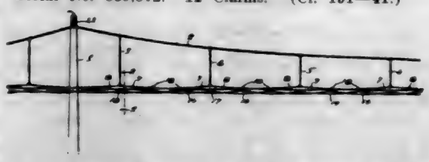
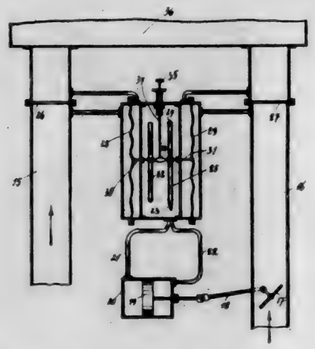
1,558,528. OVERHEAD ELECTRICAL CONDUCTOR SYSTEM. HENRY B. P. WRENN and ALOYSIUS S. O'DONOGHUE, Cleveland, Ohio. Filed May 17, 1923. Serial No. 639,512. 12 Claims. (Cl. 191—41.)



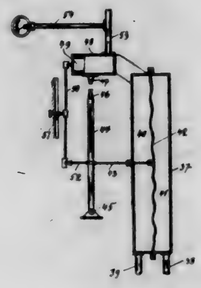
1. An electrical system of the character set forth comprising a plurality of feeder conductors, and a contact wire connected to each conductor, said contact wires being arranged in a series of overlapping loops.

1,555,529. GAS-MIXTURE REGULATOR. GUIDO WÜNSCH, Steglitz, near Berlin, Germany, assignor to Askaniawerke A.-G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friednau, Friedenau, near Berlin, Germany, a Corporation of Germany. Original application filed Feb. 29, 1924, Serial No. 696,103. Divided and this application filed Feb. 20, 1925. Serial No. 10,716. 5 Claims. (Cl. 137—78.)



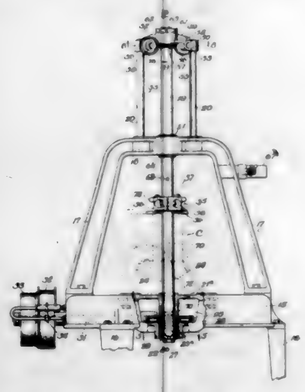
1. In a gas mixture regulator in combination pressure pipes carrying the gases to be mixed, a further pipe through which flows a medium under pressure, means adapted to move said last mentioned pipe in opposite directions corresponding to the rising or falling pressure in said pressure pipes and means operated by the said medium escaping from said further pipe and adapted to effect the mixture regulation.

1,558,530. DEVICE FOR INCREASING SMALL PRESSURE DIFFERENCES. GUIDO WÜNSCH, Steglitz, near Berlin, Germany, assignor to Askaniawerke A.-G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friednau, Friedenau, near Berlin, Germany, a Corporation of Germany. Original application filed Feb. 29, 1924, Serial No. 696,103. Divided and this application filed Feb. 20, 1925. Serial No. 10,718. 4 Claims. (Cl. 137—78.)



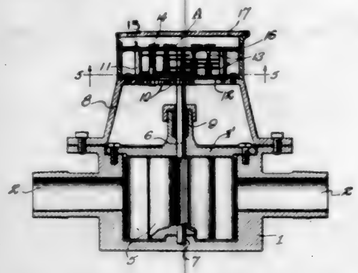
1. In a device for increasing small pressure differences for the purpose of measuring or utilizing them in combination a pipe through which flows a pressure medium, means adapted to transmit the pressure variations to said pipe and thereby move it, a cylinder having fixed inlet opening opposite to the free movable opening of said pipe, a piston within said cylinder connected with said pipe and producing a return movement of the said pipe opposed to its forward movement by said means, so that the pressure in the cylinder becomes proportional to the pressure difference and means for measuring or utilizing the pressure within said cylinder.

1,558,531. CYLINDER-BORING MACHINE. JOHN G. ZUBER, Chicago, Ill. Filed Dec. 27, 1920. Serial No. 433,198. 15 Claims. (Cl. 77—2.)



1. A boring machine comprising a base, a standard extending up therefrom, said base and standard having aligned bearing apertures, an endwise movable boring bar, rotatively mounted in said bearing apertures, a boring head removably secured to said boring bar between said bearing apertures, a driven, rotative member capable of rotating on an axis non-centric with respect to the axis of said boring bar, and a compensating member having drive connections with said rotative member and with said boring bar.

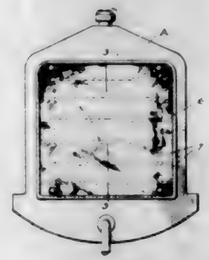
1,558,532. WATER METER. JOSEPH CHESLER, Sidney, Ohio, assignor to Chesler Meter Company, Sidney, Ohio. Filed Jan. 19, 1923. Serial No. 613,741. 1 Claim. (Cl. 73—37.)



A water meter comprising upper and lower casings having abutting flanges which are bolted together, the lower casing being provided with inlet and outlet nipples and having a countersink in its top, a top plate bolted in the countersink for closing the lower casing from the upper casing and permitting the upper casing to be removed without shutting off the flow of water through the lower casing, a gland on said plate, a shaft passing through the gland and having its lower end journaled in the bottom of the lower casing, a water wheel in the lower casing and attached to the shaft, a register mechanism including a shaft and supporting plates, the bottom one of which is fastened to the top of the upper casing, gears connecting the shaft of this mechanism with the first mentioned shaft, a boxing for enclosing the register mechanism and bolted to the upper casing and a hinged top for the boxing.

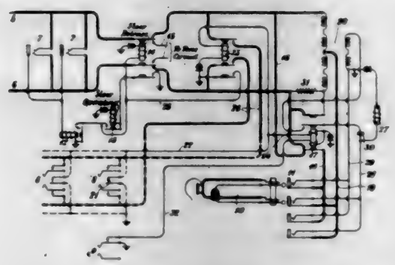


1,558,533. RADIATOR SCREEN FOR AUTOMOBILES. BURTIS O. CONE, Richmond, Va., assignor to Crawford Manufacturing Co., Inc., Richmond, Va., a Corporation of Virginia. Filed Apr. 24, 1925. Serial No. 25,526. 4 Claims. (Cl. 257—132.)



1. A screen for closing the air opening of motor vehicle radiators, comprising a plurality of hingedly connected slats, guide-bars secured to the front of the radiator, fastener elements carried by said bars, eyelets carried by said slats and slidable on said bars, and snap fasteners carried by the top slat and adapted for co-operative engagement with the fasteners carried by said bars.

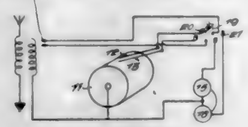
1,558,534. TELEPHONE CIRCUITS. JOHN DAVIDSON, Jr., Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 1, 1924. Serial No. 741,043. 3 Claims. (Cl. 179—78.)



1. A trunk circuit, a call circuit, an operator's set normally connected to the trunk circuit, said set comprising a transmitter, a receiver and a balancing element, means to disconnect said operator's set from said trunk circuit and connect it to said call circuit, said means operating also to render said transmitter operative, connect said balancing element in circuit and connect said receiver in an anti-side tone connection between the balancing element and the transmission circuit.

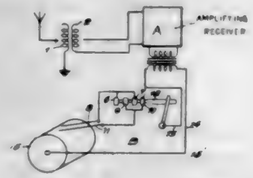
1,558,535. SECRET WIRELESS. PATRICK B. DELANY, South Orange, N. J., assignor, by mesne assignments, to International Telepost Company, Inc., a Corporation of Delaware. Filed Feb. 1, 1922. Serial No. 533,246. 3 Claims. (Cl. 250—10.)

3. A system for receiving radio signals in which fragmentary and mutilated portions of the signals are transmitted secretly on a plurality of different frequencies, comprising in combination a plurality of receiving circuits each responsive to one of the signaling frequencies, a record receiving device connected with said circuits, said device comprising a plurality of receiving means corresponding in number to the number



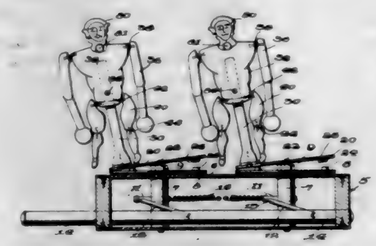
of transmitted frequencies each operative by fragmentary and mutilated portions of said signals on different frequencies whereby said signals may be combined to secure an intelligent record of the transmitted signals.

1,558,536. ELECTROCHEMICAL RECORDER. PATRICK B. DELANY, South Orange, N. J., assignor, by mesne assignments, to International Telepost Company, Inc., a Corporation of Delaware. Filed Feb. 8, 1922. Serial No. 535,055. 18 Claims. (Cl. 178—62.)




1. An electro-chemical recorder comprising a receiving circuit, a plurality of recording fingers, a switch in said circuit, and means controlled by the switch for alternately connecting the recording fingers to the receiving circuit.

1,558,537. MECHANICAL FIGURE TOY. CHARLES L. DRAKE, West Los Angeles, Calif. Filed Jan. 27, 1925. Serial No. 5,145. 14 Claims. (Cl. 46—40.)

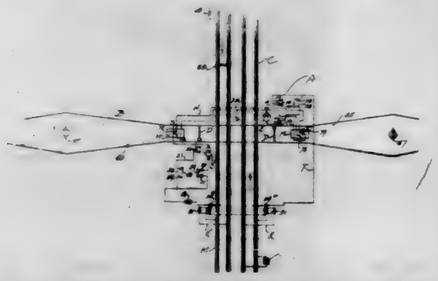


1. A toy comprising supports, base members rotatably and loosely mounted on the supports for turning and tilting movement, and figures mounted on the base members adjacent the edges of the same.

1,558,538. CROSSING-GATE APPARATUS. ADOLPH FICK and RUDOLPH FICK, Boone, Iowa. Filed May 7, 1924. Serial No. 711,086. 7 Claims. (Cl. 246—130.)

7. In a safety system for railway and highway grade crossings the combination of a gate normally adapted to assume a closed position across the highway to prevent travel of vehicular traffic across the grade crossing, an electric circuit, a motor for said circuit, means connecting the motor with said gate for operating the latter, means adapted to be operated by travel of vehicular

traffic over the highway to close said circuit for operating the motor and elevating the gate, and circuit maker and breaker means for said circuit of the motor



operable by trains running over the railway bed in the vicinity of the grade crossing to maintain said motor circuit inoperative.

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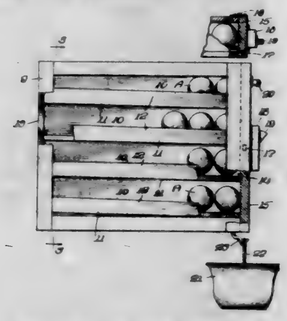
1,558,539. POOL-BALL RACK. DAVID FREEMAN, Chicago, Ill. Filed May 7, 1921. Serial No. 467,762. 5 Claims. (Cl. 273—16.)



1. In a device of the class described, a plurality of superposed compartments for the reception of balls, said compartments having forwardly opening outlets for the passage of balls; the bottoms of said compartments being inclined longitudinally of said compartments to direct the balls toward one end thereof and being forwardly inclined to direct the balls into said outlets; a swingingly mounted door cooperating with all of said compartments for preventing the passage of balls through said openings; coin controlled mechanism for locking said means in operative position; and a receptacle for the reception of the balls in passing from said compartments upon the opening of said door.

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1,558,540. POOL-BALL RACK. DAVID FREEMAN, Chicago. Ill. Filed May 7, 1921. Serial No. 467,763. 24 Claims. (Cl. 273—16.)

1. In a device of the class described, a supporting element for balls, a barrier pivotally mounted in said element at one end thereof, means adjacent said supporting element for locking said barrier in a position preventing the insertion of balls into said element, and coin controlled mechanism for temporarily disabling said locking element.

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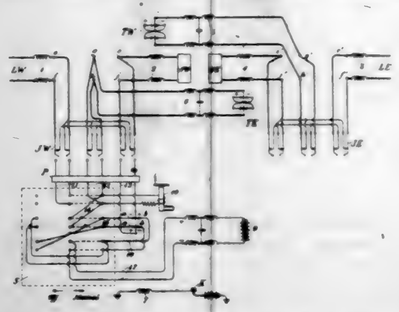
1,558,541. MONITORING SET FOR TELEGRAPH REPEATERS. JOSEPH HERMAN, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 27, 1923. Serial No. 648,096. 6 Claims. (Cl. 178—71.)



1. A transmission line including two line sections interconnected by a telegraph repeater, said telegraph repeater including line windings and balancing network windings in each line section, pole changers connected to the midpoints of said windings, the pole changers connected to the midpoints of the windings in one line section being controlled by the windings in the other line section, and switching means connected to each set of said windings and their midpoints, and monitoring apparatus including switching means adapted to be connected to either of said last mentioned switching means, and means associated with said switching means for reversing the polarity of the current normally applied to the network windings of the set.

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1,558,542. SKYROCKET. RAYMOND W. HOLLAND, Kent, Ohio. Filed Mar. 7, 1925. Serial No. 13,878. 3 Claims. (Cl. 102—23.)

1. In a device of the class described, a skyrocket including an elongated body provided with a firing charge and having a firing fuse projecting through the inner end thereof, and external outwardly projecting guiding wings secured to the body, and means for facilitating supporting and guiding of the body including an element attached to the latter and having guiding eyes at opposite sides thereof, and a supporting stand for the skyrocket including upwardly projecting spaced parallel legs adapted for slidable reception in said eyes, and means upon the legs for limiting movement of the eyes onto the latter whereby the rocket will be supported at the desired elevation above the ground.



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1,558,543. MOLDING FLASK. WALTER H. HOLT, Crafton, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Aug. 13, 1924. Serial No. 731,701. 8 Claims. (Cl. 22—111.)

8. In a molding flask, a bar extending across said flask, projections on said bar, a perforated plate, the perforations in said plate being arranged in sets one above the other, any one of said sets of perforations being adapted to receive said projections to adjust the position of said plate.

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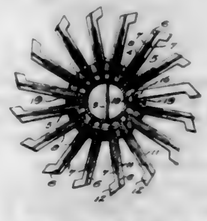
1,558,544. ROTARY BRUSH. ALBERT C. HOLZAPFEL and ARTHUR M. HOLZAPFEL, New York, N. Y. Filed Sept. 7, 1922. Serial No. 586,739. 3 Claims. (Cl. 15—198.)



1. A rotary brush comprising a hub, a plurality of scraping elements projecting from said hub, each of said scraping elements comprising a substantially straight flat plate, and a plurality of similar plates arranged on each side thereof, said plates being of progressively shorter lengths, and means for securing said scraping elements to said hub.

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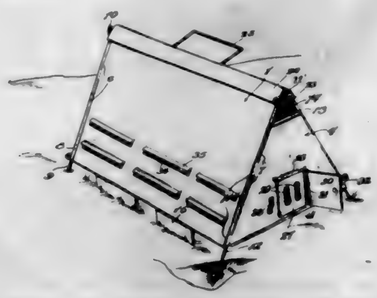
1,558,545. COLLAPSIBLE CHICKEN COOP OR HOG HOUSE. JOHN HOYLE, Winthrop, Iowa. Filed Sept. 14, 1923. Serial No. 662,687. 8 Claims. (Cl. 119—19.)



1. A collapsible structure comprising side walls hingedly connected at their upper portions and provided at their lower portions with spaced depending rest members, a floor hingedly connected at one side with the lower portion of one of the side walls, alined sleeve portions at the other side of the floor and at the lower portion of the other side wall, a rod removably fitted through the sleeve portions, and end walls hingedly connected at one side to the end portions of one of the side walls and separably connected at the other side to the end portions of the other side wall.

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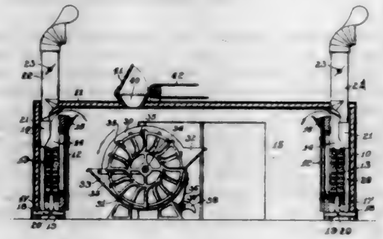
1,558,546. PROCESS AND APPARATUS FOR TREATING RECLAIMED RUBBER. HARRY HUNTER, deceased, late of Indianapolis, Ind., by Paul R. McCampbell, administrator, Indianapolis, Ind., and Oren M. Ragsdale, Indianapolis, Ind., assignors, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J., a Corporation of New York. Filed Mar. 2, 1922. Serial No. 540,427. 11 Claims. (Cl. 34—44.)



1. The improvement in the art of treating rubber, which consists in exposing to air a mass of small pieces of reclaimed rubber to be treated, and agitating and repeatedly dropping the pieces through the air to separate the pieces and maintain at a maximum the surface exposed to the air, and maintaining such air at a relative humidity of between 15% and 75% and at a temperature higher than 110° F.

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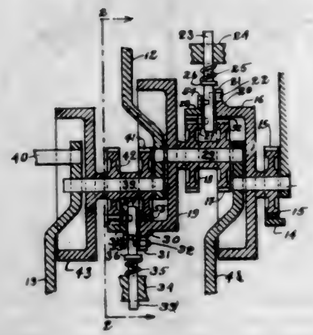
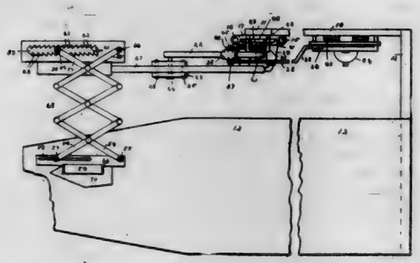
1,558,547. COUNTING MECHANISM. MOSES JACOBSON, New York, N. Y., assignor of one-half to William A. Schacht, Brooklyn, N. Y. Filed Aug. 7, 1924. Serial No. 730,637. 5 Claims. (Cl. 235—139.)



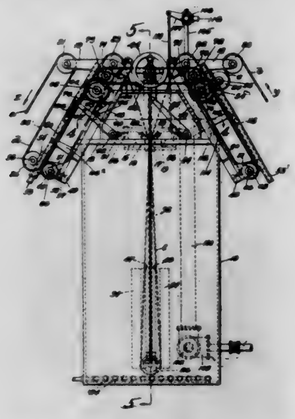
1. In a counting mechanism a series of units consisting each of a spur gear and an insignia wheel rigidly connected thereto, the spur gear of the successive unit of the series being eccentrically positioned with relation to the wheel of the preceding unit of the series, and an internal tooth on the insignia wheel of the preceding unit of the series to engage the gear of the successive unit of the series, to turn the same through a suitable part of a revolution.

1,558,548. IRONING MACHINE. MONTGOMERY H. JOHNSON, Utica, N. Y. Filed Apr. 28, 1922. Serial No. 557,169. 13 Claims. (Cl. 68—9.)



1. In an ironing machine the combination of an ironing board, a head spaced from said board and movable back and forth parallel thereto, a smoothing iron and means extending from said traveling head and carrying said iron over the board and imparting the motion of said head to the iron the said iron-carrying means being adjustable in length during operation of the machine whereby the iron may be made to travel lengthwise of the board in any position crosswise of the board, and means automatically adjusting said carrying means to successively carry the iron at different positions crosswise of the board.

1,558,549. APPARATUS FOR SATURATING FIBROUS MATERIALS. ROBERT T. JOHNSTON, Brooklyn, N. Y., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 17, 1921, Serial No. 445,878. Renewed Mar. 21, 1925. 28 Claims. (Cl. 91—32.)



2. An apparatus for saturating sheet material, comprising a tank which is closed except for a throat, means for forming a loop of sheet material in the tank through said throat, and valve mechanism located at said throat for closing the same on said sheet material.

15. An apparatus for saturating fibrous sheet material, comprising an upright tank adapted to contain a saturating compound and automatic mechanism outside said tank for periodically or intermittently feeding successive lengths of a sheet into said tank.

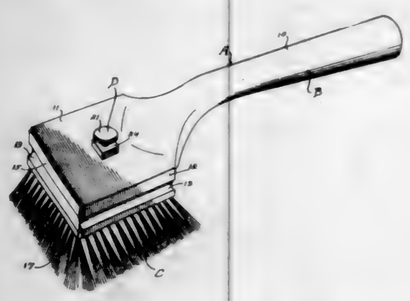
25. An apparatus for saturating fibrous sheet material, comprising a tank adapted to contain a saturating compound under pressure, a stand pipe communicating with said tank and having its upper end closed, means for feeding saturating compound to said stand pipe, and means for delivering fluid under pressure to the upper end of said stand pipe.

28. An apparatus for saturating sheet material, comprising a main tank, a supplemental tank thereabove and communicating therewith by a throat, said tanks being adapted to contain saturant in which said throat is submerged, means for guiding an indeterminate length of fibrous material through said supplemental tank and throat and in looped formation through said main tank, and means for subjecting the saturant in said main tank to a different pressure than that in said supplemental tank.

1,558,550. CONVEYER. JOSEPH F. JOY, Franklin, Pa., assignor to Joy Machine Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Apr. 15, 1924, Serial No. 706,656. Renewed Sept. 12, 1925. 5 Claims. (Cl. 198—174.)

1. In an endless chain and scraper conveyer member, a scraper bar of substantially inverted V-shape in cross section having one flange inclined and of gradually increased width from the ends to the center thereof.

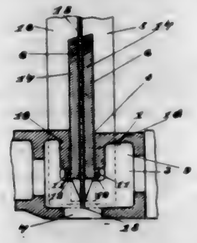
1,558,551. BRUSH. VICTOR KALINOWSKI, South Chicago, Ill. Filed Aug. 2, 1924. Serial No. 729,803. 3 Claims. (Cl. 15—172.)



1. A brush comprising a handle, a head plate at one end of said handle, having depending side walls formed at the longitudinal edges thereof and provided intermediate their upper and lower edges with inwardly extending guides extending longitudinally throughout the length of the side walls, a removable and reversible brush head comprising a head portion having a face and side walls and bristles extending from said face, each of said side walls being provided with longitudinally extending grooves for sliding interfitting relation with said guides of the head plate, and means for retaining the brush head in the head plate and in the desired adjusted relation with respect to said handle.

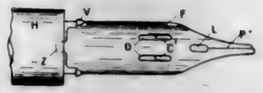


1,558,552. CAR CONSTRUCTION. FELIX KOCH, Pittsburgh, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed July 13, 1923. Serial No. 651,426. 16 Claims. (Cl. 105—402.)



1. In a railway car, an underframe having a recess formed therein, a member inserted in said recess from above and having a lug for engaging said underframe within said recess, a post seated in said recess and means securing said post and member together.

1,558,553. FOUNTAIN PEN. THEODOR KOVÁCS, Meran, Italy. Filed June 16, 1924. Serial No. 720,431. 6 Claims. (Cl. 120—50.)

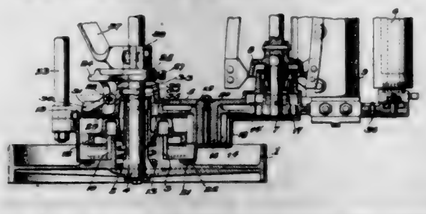


1. A fountain pen, comprising, in combination: a shaft; an ink-supplying member inserted into the shaft and projecting forth therefrom at the pen-end thereof; a pen proper lying freely, supported by the projecting end of the ink-supplying member; and hook-like fastening members arranged to connect detachably the pen with the said ink-supplying member.

1,558,554. PROCESS OF SEPARATING SUGAR FROM RESIDUAL MOLASSES. CHRISTOFER G. LEONIS, Salt Lake City, Utah. Filed Dec. 29, 1924. Serial No. 758,757. 3 Claims. (Cl. 127—46.)

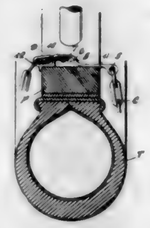
1. The process of separating sugar from molasses which comprises treating dried residual molasses with concentrated acetic acid to precipitate the sugar, separating the precipitated sugar from the residue contained therein, and washing the sugar with alcohol.

1,558,555. LAWN MOWER. HARRY R. LONTZ, Richmond, Ind., assignor, by mesne assignments, to The F. & N. Lawn Mower Company of Delaware, Richmond, Ind., a Corporation of Delaware. Filed Jan. 16, 1923. Serial No. 612,991. 21 Claims. (Cl. 56—7.)



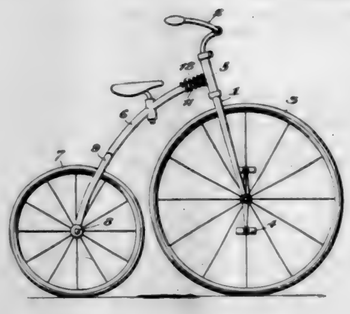
1. A lawn mower comprising a ground-engaging driving wheel, a gear slidably mounted on said wheel, a cutting reel shaft driven by said wheel through said gear, and means for moving said gear to non-driving position.

1,558,556. ANTISKID-CHAIN FASTENER. JAMES A. LUKE, Cleveland, Ohio, assignor of one-half to Edward N. Smith, Cleveland, Ohio. Filed Feb. 12, 1925. Serial No. 8,686. 4 Claims. (Cl. 152—14.)



1. A device for fastening a transverse anti-skid chain to an automobile wheel, said device comprising, a bar arrangeable transversely upon a felloe, means for limiting relative movement of the bar upon the felloe, a portion of said bar being off-set to form a recess between the bar and felloe, and a lug carried by the bar and arranged in the recess, said off-set portion having a slot to permit insertion of one chain link for engagement with said lug.

1,558,557. VELOCIPEDE AND THE LIKE. WILLIAM L. MCGRATH, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Original application filed Apr. 27, 1922, Serial No. 556,969. Divided and this application filed Sept. 8, 1923. Serial No. 661,654. 8 Claims. (Cl. 208—94.)

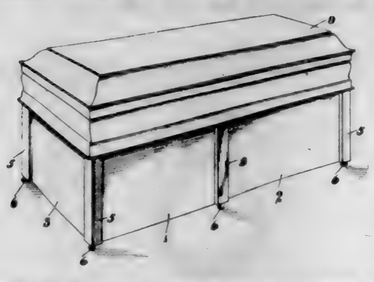


1. A device of the class described comprising a rear frame member, a front frame member having pin and slot connection with said rear member, and resilient means for resisting relative angular movement of said frame members around a longitudinally extending axis.

1,558,558. BIER CONSTRUCTION. JAY H. METCALF, Grand Rapids, Mich. Filed Nov. 24, 1923. Serial No. 676,806. 2 Claims. (Cl. 27—27.)

1. In a construction of the class described, a front plate adapted to be vertically positioned, said plate at each end being formed with a plurality of key-hole slots, the larger portions of the slots being located below the narrower portions thereof, corner posts one at each end of the front plate, the end edges of the plate being located back of the corner posts, headed members attached to

the posts at the rear sides thereof, one for each slot in the front plate, the plate and posts being detachably connected together by passage of the said members



through the slots, and two end plates, one at each end of the front plate connected to the corner posts and extending to the rear therefrom.

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1,558,559. PRODUCTION OF OXYGENATED ORGANIC COMPOUNDS. ALWIN MITTASCH, Ludwigshafen-on-the-Rhine, MATHIAS PIER, Heidelberg, and KARL WINKLER, Ludwigshafen-on-the-Rhine, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Sept. 6, 1923. Serial No. 661,321. 10 Claims. (Cl. 260—156.)

1. The manufacture of methanol or other oxygenated organic compounds, which consists in passing a mixture of carbon oxids with at least about an equal volume of hydrogen at a temperature of between about 200 and 600 degrees centigrade and pressure of about 50 atmospheres or higher over a contact mass containing in an intimate mixture at least two oxides, non-reducible to the metals under the conditions of working, of metals belonging to different groups of the periodic system, with the more basic oxid in preponderating quantity but substantially in the absence of iron and nickel.

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1,558,560. HAMMER-ACTUATED ICE PICK. FRANK MOSSBERG, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Sept. 8, 1923. Serial No. 661,680. 1 Claim. (Cl. 82—62.)

An implement of the class described, comprising a handle member of a substantial weight and having a longitudinal bore, an operating tool having a shank slidably mounted in said bore, a bearing collar on said shank and fitted to slide and guide the shank in said bore, a coiled spring in said bore acting against the upper end of said handle bore and against said tool shank collar to normally hold the tool extended in the handle, an anvil projection at the upper end of said bore of a greater diameter than that of said shank and a spring spread to about engage said projection and be out of contact with said shank and its lower end contracted about the tool shank, said spring acting on said tool to hold it in contact with the work during the reciprocating action of the heavy handle in producing hammer-like blows through the tool upon the work, and a screw plug in the outer end of the handle bore through which the tool works endwise to limit the relative outward motion of the tool.

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1,558,561. BOBBIN. FRANK MOSSBERG, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Nov. 27, 1923. Serial No. 677,311. 6 Claims. (Cl. 96—15.)

1. A yarn package holder having a spindle, a pair of spaced sheet metal sleeves thereon each having one end secured to said spindle and each having a plurality of spring ribs for engaging and yieldingly securing a yarn package to the spindle.

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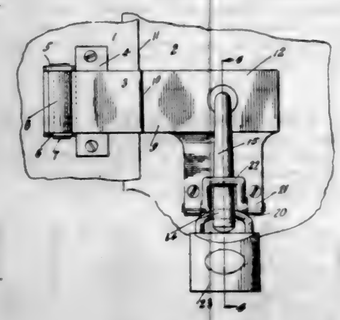
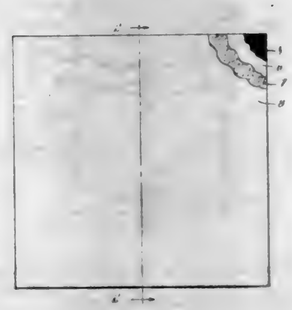
1,558,562. LOCK. MANSEL E. NAYLOR, Los Angeles, Calif. Filed May 4, 1920. Serial No. 378,766. 13 Claims. (Cl. 292—210.)



1. A door fastener embracing a hinged plate and a fixed plate having an opening, a crank handle carried by and rotatably mounted in the end of the first plate and having a latch to project through the opening in said second plate and engage the inner surface thereof, a loop hinged to the lower end of said second plate and adapted to swing up over said handle.



1,558,563. FABRIC FOR WEARING APPAREL. FRANK B. NEWTON, Milton, Mass. Filed Mar. 27, 1924. Serial No. 702,340. 2 Claims. (Cl. 91—68.)



1. An article for wearing apparel comprising a layer of flexible fabric, an inner layer of adhesive material thereon and granules imbedded in said adhesive material whereby said fabric is provided with a rough surface and a thin outer layer of adhesive material of a less sticky nature than that of said inner layer of adhesive material covering said granules and forming a protective covering therefor.

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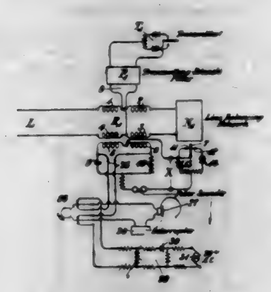
1,558,564. ELECTRICAL TESTING SYSTEM. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 16, 1921. Serial No. 485,309. 5 Claims. (Cl. 178—58.)



1. In an electrical testing system, the combination with a line circuit, of a balancing network, a signal transmitting circuit, a signal receiving circuit, both effectively connected with the said line circuit and said network, and means connected with the said receiving circuit to measure the magnitude of the unbalance between the said line circuit and the said network resulting from the transmission of telegraph signal impulses, the said means including a source of potential for comparison with the potential set up in said receiving circuit by unbalance between the line circuit and the said network, and means for varying the magnitude of the potential from said source.

1,558,565. SHELL FILLER. FREDRICK OLSEN, Dover, N. J. Filed Jan. 9, 1923. Serial No. 611,609. 8 Claims. (Cl. 52—5.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. A filler for projectiles embodying guanidine picrate compressed to a density of not less than 1.50.

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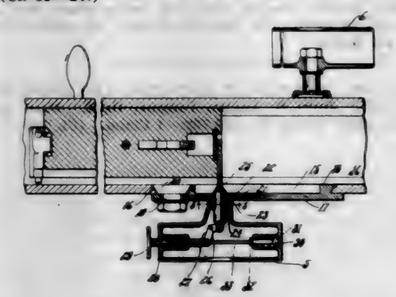
1,558,566. AUTOMATIC GUN. HUGH M. ROCKWELL, Bristol, Conn., assignor, by mesne assignments, to The Marlin Firearms Corporation, New Haven, Conn., a Corporation of Delaware. Filed Jan. 17, 1919, Serial No. 271,741. Renewed Aug. 7, 1925. 8 Claims. (Cl. 89—27.)



2. In an automatic gun, a firing-pin, means for retaining said firing-pin in inoperative position, means for releasing said retaining means, a handle pivotally mounted on the gun, and means in said handle operable in any position thereof to actuate said releasing means, said means including a tapered pin reciprocatively mounted in said handle.

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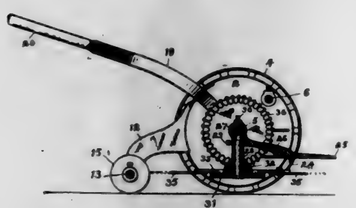
1,558,567. AIRCRAFT LANDING PLATFORM. ALEXANDER B. SCHEM, New York, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Sept. 27, 1922. Serial No. 590,750. 33 Claims. (Cl. 244—2.)

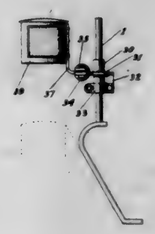
1. The combination of a ship stabilized against rolling and a platform mounted on the ship and stabilized against pitching.

1,558,568. LAWN CLIPPER. CYRUS R. ST. JOHN, Richmond, Ind., assignor of one-half to Raymond H. Smith, Richmond, Ind. Filed Sept. 11, 1922. Serial No. 587,549. 2 Claims. (Cl. 56—255.)



2. A lawn clipper comprising end-discs, means for rigidly connecting said end discs in spaced relation to each other, ground-wheels surrounding said end-discs, a horizontal shaft connecting said wheels, a guard-bar connecting said end discs, an arm extending rearward from the center of said bar, a bearing carried by said arm and forming a central bearing for said shaft, a vertical stationary shaft whose upper end is rigidly secured to said arm, a head formed on the lower end of the vertical shaft, a cutter wheel disc revolvably mounted on the vertical shaft and supported by said head, flanges radiating from the cutter wheel disc and forming a plurality of right-angular shoulders, a blade secured to each of said shoulders, a bevel gear secured on the horizontal shaft, a pinion formed integral with said cutter wheel disc and located in mesh with said bevel gear, all substantially as set forth.

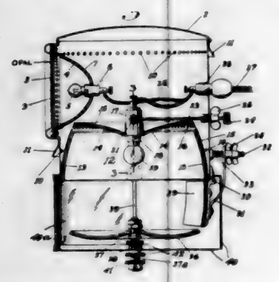
1,558,569. HEADLIGHT MOUNTING AND CONSTRUCTION. JOHN S. ADAMS, Pomona, Calif. Filed Sept. 20, 1923. Serial No. 663,752. 1 Claim. (Cl. 240—57.)



A headlight mounting including a supporting post, a sleeve mounted for vertical adjustment on the post, a plate member turnably mounted on the sleeve, a down-turned ear on the plate, a clamp on the ear adapted to be clamped to the post and support the sleeve, and a lamp adjustably mounted on the plate.

1,558,570. HEADLIGHT. JOHN S. ADAMS, Pomona, Calif. Filed Jan. 21, 1924. Serial No. 687,443. 3 Claims. (Cl. 240—41.)

1. In a headlight, a fixed reflector arranged to throw light rays out at diverging angles to the axis of the reflector, an auxiliary reflector projecting outwardly of the fixed reflector and extending about the latter for a portion of the periphery thereof, a third reflector mounted outwardly of the auxiliary reflector and facing the fixed reflector, means for adjusting the spacing of the

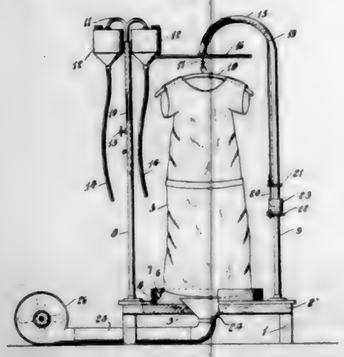


third reflector relative to the fixed reflector, and means for adjusting the angle of setting of the auxiliary reflector relative to the other reflectors.

1,558,571. RAILROAD DEVICE. NORTON H. ALLISON, Florence, Kans. Filed June 22, 1925. Serial No. 38,814. 2 Claims. (Cl. 214—85.)

1. The combination with main and auxiliary tracks, of a truck movable along the auxiliary track, a pedestal adapted to be mounted removably on the main track and a skid pivoted to the pedestal for vertical and horizontal swinging movement, the skid being of such length that it will reach from the pedestal to the truck.

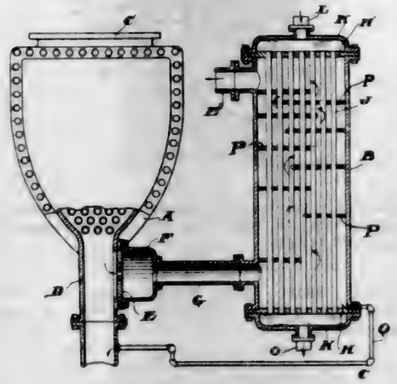
1,558,572. GARMENT CLEANING AND DRYING DEVICE. ALPHONSE P. BADEAUX, New Orleans, La. Filed Nov. 15, 1924. Serial No. 750,080. 8 Claims. (Cl. 34—26.)



A garment cleaning and drying device comprising means for supporting and holding a garment with its surfaces surrounding an enclosed space and free from contact with each other, means for forcing a drying fluid under pressure into the space bounded by the garment at one end thereof for the flow of the fluid along the inner surface of the garment and toward and out of the garment at the opposite end of such enclosed space, and means for retarding the fluid in its course of flow to cause it to "balloon" the garment and pass in part laterally outward through the material of the garment.

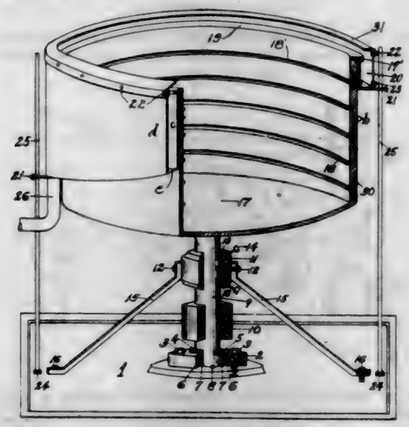


1,558,573. CONDENSER UNIT. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 25, 1923. Serial No. 641,306. 4 Claims. (Cl. 257—43.)



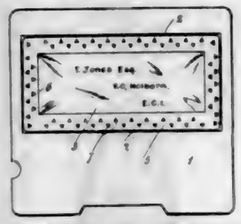
1. A condenser unit having a steam inlet at the top and a condensate outlet casing at the bottom, adapted to be connected to evacuating apparatus, and a perforated suction distributor located in the side of the said condensate outlet casing and also located in the connection to the evacuating apparatus for distributing the suction from the evacuating apparatus over substantially the length of the condenser.

1,558,574. CENTRIFUGAL AMALGAMATOR. HAROLD N. BANKS and GEORGE E. BANKS, Delta, Utah. Filed Oct. 18, 1921. Serial No. 508,555. 2 Claims. (Cl. 83—67.)



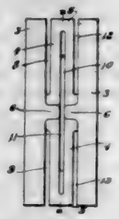
1. A centrifugal amalgamator comprising a rotary bowl having vertical lateral grooved sides and unobstructed rim, and resilient riffles held in said grooves by spring tension and adapted to entirely fill said grooves and projecting horizontally into said bowl.

1,558,575. STENCIL CARD FOR USE WITH ADDRESSING MACHINES. LOUIS MAURICE BARMAN, London, England, assignor to Roneo Limited, London, England, a Company of Great Britain. Filed Aug. 27, 1924. Serial No. 734,412. 4 Claims. (Cl. 101—127.)



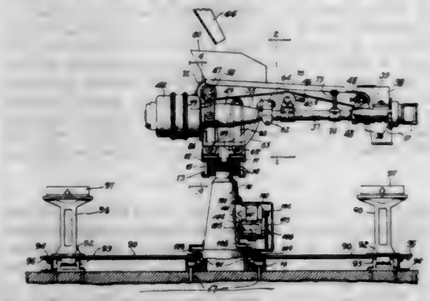
1. A thin metal frame for stencil cards which is engageable with only one face of a stencil, said frame having a central opening and provided with a plurality of projections capable of penetrating through said stencil and into one surface of a card, and said frame capable of fitting into a recess in the card to engage said stencil directly with the bottom of the recess.

1,558,576. FLEXIBLE COUPLING. KARL BAUMANN, Urmston, England, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 4, 1922. Serial No. 604,924. 5 Claims. (Cl. 64—96.)



1. A one-piece flexible coupling comprising end coupling members united by a rectilinear frame the centre of which coincides with the axis of the coupling and the corners of which are connected alternately with said end coupling members, said frame being spaced from the end coupling members and said connecting corners being formed by a plurality of machined cuts.

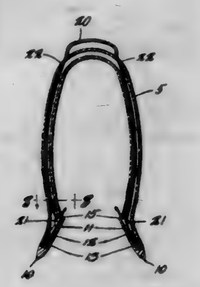
1,558,577. MACHINE FOR FILLING MOLDS. ELMER O. BEARDSLEY and WALTER F. PIPER, Chicago, Ill., assignors to The Beardsley & Piper Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1923. Serial No. 634,445. 31 Claims. (Cl. 22—36.)



1. In a molding machine, the combination of an arm, a sand projector mounted on and movable with said arm,

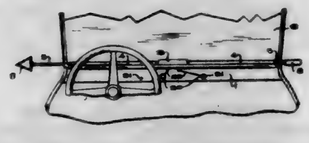
a motor for driving the projector, means for conveying sand to the projector, and a link-suspension for the arm pivoted to permit longitudinal movement thereof.

1,558,578. HAIRPIN. WILLIAM E. BENNETT, Craig, Mont. Filed Mar. 16, 1925. Serial No. 15,948. 1 Claim. (Cl. 132—51.)



A hollow hairpin having divergent hollow barbs and provided with a pair of openings in its crest, spring pressed tines movable in the barbs and projected from the inner ends of the latter, and a U-shaped operating element having its legs arranged in the legs of the hairpin and connected with the tines, the intermediate part of the operating element being normally disposed exteriorly of the hairpin and being adapted to be pushed downwardly to retract the tines, the outward movement of the tines from their respective barbs serving to raise the operating element to dispose its intermediate part above the crest of the hairpin where it can be readily operated.

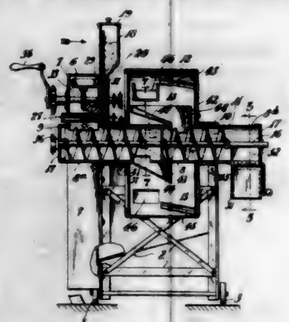
1,558,579. AUTOMOBILE DIRECTION INDICATOR. WILLIAM JAMES BISHOP, Collingwood, Ontario, Canada. Filed Dec. 6, 1923. Serial No. 678,969. 3 Claims. (Cl. 177—329.)



1. In an automobile direction indicator, a signal laterally slidable into and out of the operative position, said signal normally spring-held in its operative position, an electric lamp in the signal one of its terminals being grounded, a rotatable drum of electrical insulating material, a cable of electrical conducting material secured at one end to the drum and wound thereon, the other end of the cable being connected to the second terminal of the electric lamp, means for rotating the drum, and means coacting therewith adapted to contact with the cable thereon when the signal is in the operative position.

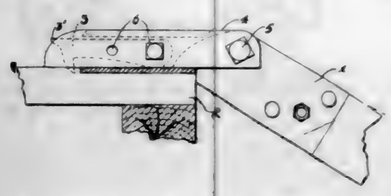
1,558,580. APPARATUS FOR PICKLING AND/OR MIXING GRAIN AND FOR OTHER ANALOGOUS PURPOSES. ALFRED JAMES BISHOP, Melbourne, Victoria, Australia. Filed June 18, 1925. Serial No. 38,028. 14 Claims. (Cl. 53—28.)

1. Mixing apparatus, comprising a drum, the interior of which constitutes a mixing chamber; a stationary casing passing substantially horizontally through the drum and whereon said drum is rotatably mounted, said casing having orifices to establish communication between its interior and the mixing chamber; and screw conveying



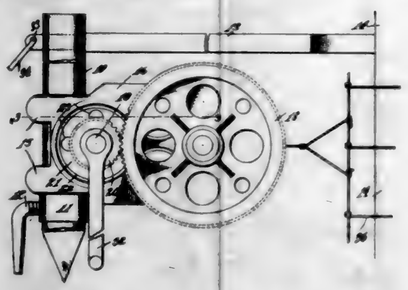
means within the casing for conducting the materials to be mixed into and away from said mixing chamber by way of said orifices.

1,558,581. SKID. ALBIN BLOOM, Miles City, Mont. Filed June 4, 1923. Serial No. 643,419. 2 Claims. (Cl. 193—41.)



1. In combination with a skid, including a pair of side members, a channeled member pivoted to the upper end of each side member and having its bight forming a continuation of the side member and a hook pivoted in each channeled member under the bight for engaging a part of a support against which the skid is placed.

1,558,582. WIRE STRETCHER. THOMAS J. BLOSICK, Portland, Oreg. Filed July 28, 1925. Serial No. 46,620. 2 Claims. (Cl. 254—162.)



1. A stretching device including a support, a yoke supported on the support, a winding drum on the support, gears for rotating the drum and including a disk having openings, a spring pressed bar having an end arranged to successively enter said openings as the disk is rotated, means for urging the bar into the openings, and means for withdrawing and retaining the bar out of engagement with said openings.



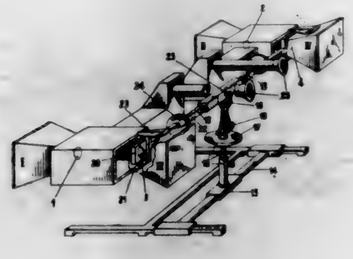
1,558,583. LIGHT BULB. WILLIAM E. BOCK, Chicago, Ill. Filed July 19, 1922. Serial No. 576,076. 2 Claims. (Cl. 176—126.)

1. A vacuum lighting tube including a tube of transparent insulating material having a rounded end, a nipple formed upon the axis of the rounded end and extending a short distance into the tube, an electrode molded in said nipple and projecting a short distance into the tube beyond the inner end of said nipple, a cap mounted upon the end of said tube, the inner end of said cap embracing the walls of the tube, means embracing the end of the tube and spacing the end of the cap therefrom, a frusto-conical contact carried by and insulated from said cap, said contact engaging the electrode and a binding post carried by the apex of the contact.

1,558,584. COMPLEX GOLD COMPOUND AND PROCESS OF MAKING SAME. MAX BOCKMÜHL, GUSTAV EHRHART, and PAUL FRITZSCHE, Hochst-on-the-Main, Germany, assignor to Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany, a Corporation of Germany. Filed Nov. 29, 1924. Serial No. 752,937. 4 Claims. (Cl. 260—11.)

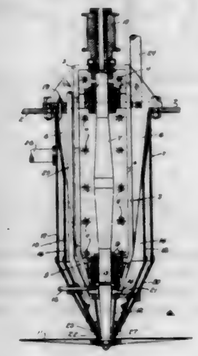
4. As new products, the bodies obtainable by causing gold salts to act upon thiobenzimidazolecarboxylic acids and converting the gold compounds thus obtained into their salts, the said bodies being yellowish powders, soluble in water.

1,558,585. METHOD AND STEREOSCOPIC DEVICE FOR REPRODUCING OBJECTS. HANS BOYKOW, Schoneberg, near Berlin, Germany, assignor to the Firm Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Filed Feb. 25, 1921. Serial No. 447,903. 6 Claims. (Cl. 88—29.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



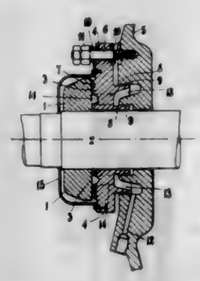
1. In a method of stereoscopic topography, producing sets of stereoscopic photographs of overlapping parts of the three-dimensional object, adjusting them relatively to each other so that their optical three-dimensional images appear with identical overlapping parts in register, determining the adjusted positions of the photographs of the one set relatively to the positions of the photographs of the other set, and correlating the topographic reproduction of the part of the object corresponding to the one set of stereoscopic photographs, to the reproduction of the part of the object corresponding to the other set in accordance with the adjusted positions of the sets of photographs relatively to each other.

1,558,586. SPRAYER. CHARLES E. BRADLEY, Montclair, N. J., and JOSEPH G. COFFIN, Hempstead, N. Y., assignors to General Rubber Company, a Corporation of New Jersey. Original application filed Dec. 7, 1921, Serial No. 520,505. Divided and this application filed Apr. 3, 1922. Serial No. 549,859. 8 Claims. (Cl. 299—63.)



1. A sprayer for latex or other liquid comprising a smooth, unobstructed disc, means for rotating the same, and means for discharging the liquid centrally of the disc comprising a tubular wall terminating closely adjacent the disc, and a surrounding adjustable wall concentric therewith and coacting with the disc to form an adjustable outlet.

1,558,587. LIQUID-SEALED GLAND FOR ROTATING SHAFTS. THOMAS BRIGHOUSE, Stretford, England, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 2, 1919. Serial No. 269,384. 6 Claims. (Cl. 286—9.)



1. The combination with a casing element and a shaft, of a gland comprising a collar fixed to the shaft and a bush element contiguous to the collar to provide therewith radially opposed surfaces having a close clearance therebetween, adjustable means for regulating the extent of clearance between the opposed surfaces of said collar and said bush element, male and female centering ele-

ments provided in the bush element and the casing element respectively, and means for supplying an extraneous sealing liquid between the contiguous surfaces of the collar and the bush element.

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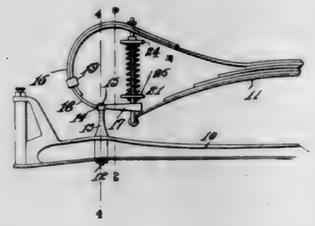
1,558,588. SHOCK ABSORBER. PEARL G. BURDINE, Chester, Miss. Filed Aug. 8, 1924. Serial No. 730,915. 3 Claims. (Cl. 267—28.)



1. The combination with the axle and main spring of a vehicle, of a post carried by the axle, a spring element having an end connected with the post and its intermediate portion connected with the main spring, a spring means between the end of the main spring and the said spring element, and means for engagement with the spring means for limiting the lateral movement of the main spring.

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1,558,589. COMPOSITION FOR PREVENTING CORROSION. RAY B. CANUTE, Minneapolis, and ERVIN H. TANK, St. Paul, Minn. Filed Oct. 16, 1924. Serial No. 744,082. 1 Claim. (Cl. 134—1.)

A composition of the character described composed of the following ingredients approximately in the proportions stated, towit: Carbonate of soda, 4 pounds; petroleum jelly, 5 pounds; oil of cedar, 1 ounce.

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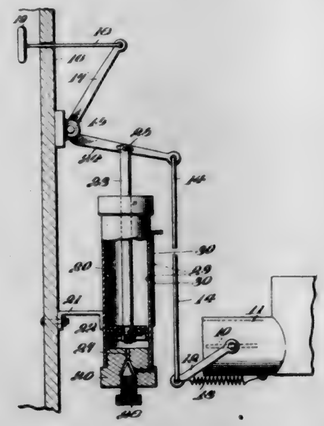
1,558,590. CONTROL FOR CARBURETORS. RAYMOND E. CARLSON, Washington, D. C. Filed Sept. 27, 1924. Serial No. 740,368. 5 Claims. (Cl. 137—139.)



4. The combination with a carburetor, of manually operable means for restricting the supply of air to the carburetor, and automatic means associated therewith for gradually increasing the admission of air to the carburetor.

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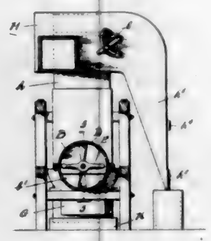
1,558,591. APPARATUS FOR CLEANING WHEAT. JAMES G. CHALMERS, Macon, Ga., assignor of one-half to Modern Flour Mills, Macon, Ga., a Corporation of Georgia. Filed July 20, 1922. Serial No. 576,232. 12 Claims. (Cl. 83—30.)



2. In a wheat cleaning apparatus, means for scouring and removing the outer coating of bran and crease dirt or other impurities from the wheat, comprising a cylindrical casing, a shaft journaled in said casing and having fixed thereon a series of scourer arms and carrier flights alternating with said arms, said scourer arms having no conveying tendency, but adapted to remove from the wheat the outer coating of bran and crease dirt while the carrier flights are adapted to force the wheat toward the discharge end of the casing, and means for separating the cleaned wheat from the bran and impurities, together with means for separating the heavier particles or screenings from the air and dust and forcing the dust-laden air into a dust collector.

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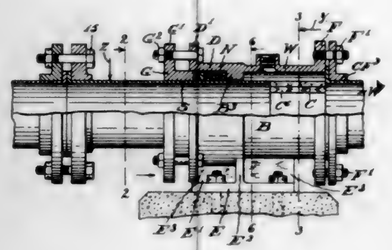
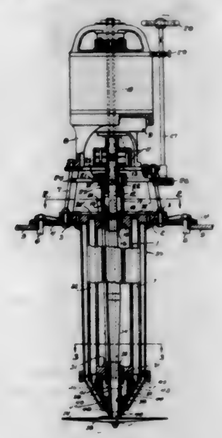
1,558,592. EXPANSION JOINT. DICK HUBERT CHESTER, Buffalo, N. Y. Filed May 12, 1922. Serial No. 560,310. 24 Claims. (Cl. 285—162.)



1. An expansion joint, comprising a casing having an encircling integral inwardly extending wall portion near one end thereof, and a plurality of longitudinally disposed casing-wall reinforcing members integral with said wall and casing extending from said wall to the opposite end of said casing.



1,558,593. SPRAYER. JOSEPH G. COFFIN, Hempstead, N. Y., assignor to General Rubber Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 30, 1923. Serial No. 635,536. 14 Claims. (Cl. 299—63.)



1. A sprayer for latex or other liquid comprising a disc, means for rotating the same, means forming an annular orifice for delivering liquid centrally of the disc, and successive overflow means for evenly supplying liquid to said orifice.

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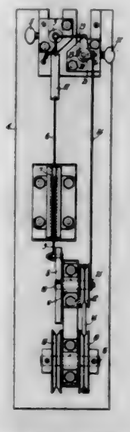
1,558,594. TESTING MACHINE. JOSEPH G. COFFIN, Hempstead, N. Y., assignor to L. Candee & Company, New Haven, Conn., a Corporation of Connecticut. Filed Jan. 11, 1924. Serial No. 685,509. 16 Claims. (Cl. 265—2.)



1. In a testing machine, a recordably operable member, and a plurality of means for simultaneously operating the member whereby the resultant operation may be recorded said means effecting the resultant operation in part through action induced thereby in a test specimen of the material to be tested by subjecting the specimen to strain whereby the recordable operation will be in part dependent upon the action of the specimen.

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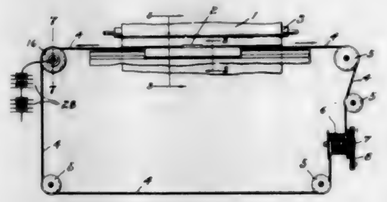
1,558,595. POWER-STOPPING DEVICE. NOAH LOUIS DAUPLAISE, South Manchester, Conn. Filed Mar. 7, 1924. Serial No. 697,681. 5 Claims. (Cl. 192—116.5.)



1. In a machine of the character described, means for applying power to the machine, a lever for shutting off and turning on the power, yielding means adapted to urge the power lever towards off power position, a pivoted lever engaging the power lever to hold it in on power position, a solenoid engaging one end of the pivoted lever, an idler wheel having an electric circuit therein and a separated portion and a freely movable metal member adapted to close the space in the circuit by gravity to energize the solenoid to operate the pivoted lever to release the power lever and throw it to an off power position and to move away from the separated portion of the circuit by centrifugal action when the idler wheel is moving when the power lever is in on power position.

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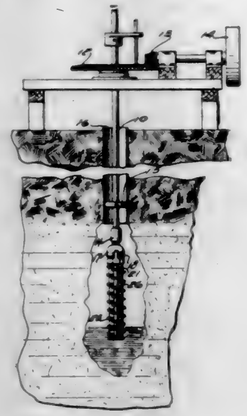
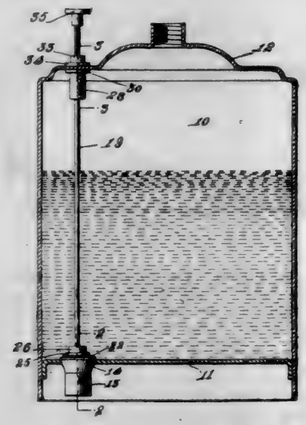
1,558,596. CENTRIFUGAL REAMER FOR OIL WELLS AND THE LIKE. WADE HAMPTON DE FONTAINE, New York, N. Y., assignor, by mesne assignments, to Gauntlett & Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 2, 1922. Serial No. 591,759. 5 Claims. (Cl. 255—76.)



1. A device of the class described, comprising a head and three reamer arms which are pivotally mounted in substantially equidistant radial slots in the lower end of the head and carry each a plurality of cutter wheels, the arms being of heavy construction and the cutter wheels of maximum diameter permitting the arms normally to depend vertically downward below the head with the outer peripheries of the wheels substantially flush with the periphery of the head.

1,558,597. OIL CAN. OBED F. ECKARD, Hickory, N. C. Filed Mar. 30, 1925. Serial No. 19,424. 2 Claims. (Cl. 221—15.)



1. An oil can of the character described having a tubular casing extending through the can bottom an appreciable distance, said casing having an upper enlarged portion which includes a beveled valve seat upon the upper periphery and inner sides thereof, a valve rod, a valve mounted upon the valve rod, means included upon the valve rod and upon the opposite sides of the valve for rigidly securing the same thereto, a casing provided upon the under side of the can top and receiving the upper end of the valve rod therethrough, means included adjacent the upper end of the valve rod and upon the outer side thereof and engaging the upper and outer side of the can top for restricting the movement thereof, means included upon the upper and outer free end of the rod for facilitating the lifting of the same, and spring compression means included in the lower and upper casings for normally seating the valve.

1,558,598. OXIDATION OF AMMONIA. CARLETON ELLIS, Montclair, N. J., assignor to Ellis Foster Company, a Corporation of New Jersey. Filed Apr. 26, 1918, Serial No. 231,014. Renewed Jan. 13, 1925. 27 Claims. (Cl. 23—234.)

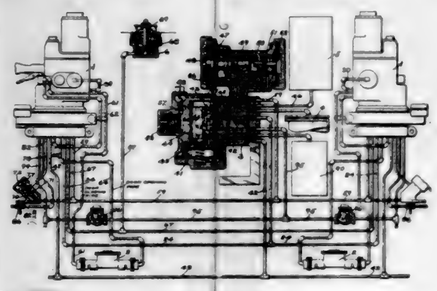
26. In the oxidation of ammonia, the step of passing a mixture containing ammonia and air, in contact with a catalyzer containing oxygen, a metal of the cobalt group, and an acid-forming element which is capable of increasing its catalytic activity.

1,558,599. FOAM-STABILIZING COMPOSITION. GUSTAVUS J. ESSELEN, Jr., Swampscott, Mass., assignor to Badger Fire Extinguisher Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 22, 1924. Serial No. 708,188. 7 Claims. (Cl. 23—244.)

4. A foam-forming fire extinguisher charge comprising a liquid containing in dispersion the residue of neutralized and evaporated sulfite waste liquor.

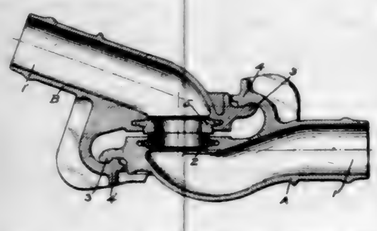
1,558,600. SAFETY CAR CONTROL EQUIPMENT. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 22, 1923. Serial No. 664,232. 21 Claims. (Cl. 303—6.)

1. The combination with a brake valve handle having an emergency brake application position, of means acting on said handle only when the hand is removed from the brake valve handle for shifting said handle to emer-



gency position, said means being rendered inactive when the handle is grasped.

1,558,601. HOSE COUPLING. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Feb. 21, 1924. Serial No. 694,300. 3 Claims. (Cl. 285—54.)



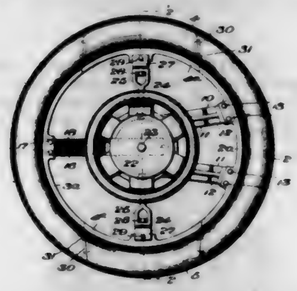
1. The method of introducing into service improved hose couplings having gaskets adapted to provide increased flow area, which consists in first equipping the improved hose coupling with a temporary gasket having an internal diameter corresponding with the internal diameter of the existing standard hose coupling gasket and in then substituting for the temporary gasket, a gasket having a greater internal diameter.

1,558,602. DRINKING CUP. PHILIP A. FISCHER, New York, N. Y. Filed Nov. 18, 1924. Serial No. 750,572. 8 Claims. (Cl. 229—53.)

1. A folding drinking cup comprising a body portion, an open-topped pouring extension, flaps along the sides of the pouring extension forming liquid confining pockets for guiding liquid toward the discharge edge of the pouring extension, the adjacent ends of said flaps being secured to the pouring extension near its discharge edge for reenforcing that edge.



1,558,603. COLLAPSIBLE CORE. ANDREW J. FLEITER, Akron, Ohio. Filed Apr. 6, 1922. Serial No. 549,967. 3 Claims. (Cl. 154—9.)



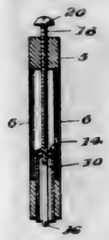
1. An annular core comprising, a hub portion, a fixed segmental section mounted concentrically of the hub member, a second segmental section mounted in diametrically opposite relation to said first member for reciprocable movement upon the hub and in the plane of the core, oppositely disposed key sections adapted to be positioned between opposed ends of said first and second sections, a rotatable element upon the hub, and a connection between the rotatable element and each key section including a link having a pivotal connection to said element and a swivel connection to said section.

1,558,604. COIL MOUNTING. HUGO GERNSBACK, New York, N. Y. Filed Feb. 24, 1923. Serial No. 621,048. 5 Claims. (Cl. 171—119.)

1. A coil unit for radio work comprising a base, pairs of angle brackets formed of electric conducting material secured to the base, binding posts connected with the brackets, electric conducting sockets secured to and between the pairs of brackets, said sockets forming terminal members respectively for engaging the brackets, a removable manipulating handle detachably connected with each pair of sockets, a removable coil associated with each handle, and terminal members for the coil associated with the handle for engaging the sockets.

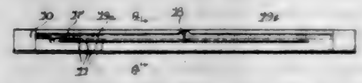
1,558,605. AUXILIARY-AIR-SUPPLY DEVICE. WALTER L. GRAVES, Hatfield, Mass. Filed Jan. 2, 1925. Serial No. 275. 2 Claims. (Cl. 48—180.)

1. An auxiliary air supply device comprising a slightly compressible fibrous body having an opening, reticulated members arranged at opposite ends of said opening and secured to the walls of the same, an air inlet tube extending into said opening and terminating above the bottom wall of the same, a combined valve and spray head of concavo-convex formation arranged at the outlet



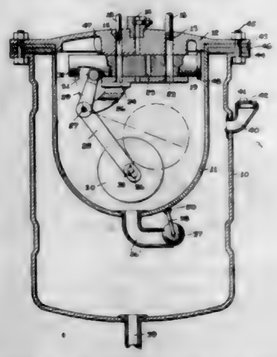
end of said tube and adapted to spread the auxiliary air supply, and a screw bolt threaded through said fibrous body and adapted to engage said head to limit the opening of the same or hold the same in closed position.

1,558,606. PLAYER PIANO. AXEL G. GULBRANSEN, River Forest, and ARTHUR H. BOETTCHER, Evanston, Ill., assignors to Gulbransen Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 15, 1920. Serial No. 417,075. 2 Claims. (Cl. 84—169.)



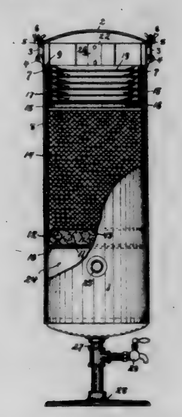
1. A tracker bar for player pianos having a series of player openings therein and a groove in the face thereof parallel to said series of player openings, said groove containing material of one color adjacent the bass player openings and of another color adjacent the treble player openings.

1,558,607. LIQUID-FEED DEVICE. ROBERT H. HAZELTINE, New York, N. Y. Filed Apr. 7, 1921. Serial No. 459,390. 7 Claims. (Cl. 103—236.)



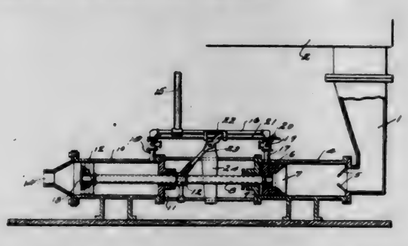
1. In a device of the class described, in combination, a liquid container, an air vent therein, suction and fuel feed pipes leading into said container, a valve controlling the opening and closing of said pipe lines and said air vent, said air vent being adapted to be opened after the closure of one of said pipe lines and means operatively connected to said valve to control the movements thereof.

1,558,608. FILTER. WILLIAM L. HILDISH, Fort Wayne, Ind. Filed Apr. 7, 1924. Serial No. 704,565. 2 Claims. (Cl. 210—140.)



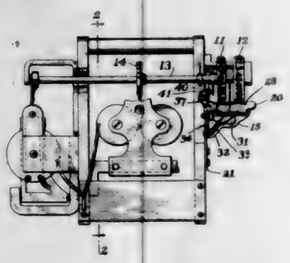
1. In filtering apparatus, a closed tank having a removable head at its top and an internal annular shoulder in its upper part spaced from the head; a removable sleeve in the tank having an external flange at its top seated on the shoulder, and an internal flange at its lower end; a series of perforated plates spaced apart and arranged in the sleeve; filter packs in the spaces between the perforated plates; a series of filtering drums positioned in vertical succession in said sleeve above the uppermost of said plates, each drum comprising a hoop and a series of fabric sheets folded over the hoop and closing the opening thereof; and a spider positioned in the space within the tank between the top of the sleeve and the removable head and extending over the series of drums, said tank having an inlet at a point beneath the lower end of the sleeve and an outlet at a point above the top thereof.

1,558,609. PUMPING APPARATUS. ALBERT H. HILL, Arkansas City, Kans. Filed Mar. 8, 1924. Serial No. 697,775. 1 Claim. (Cl. 103—51.)



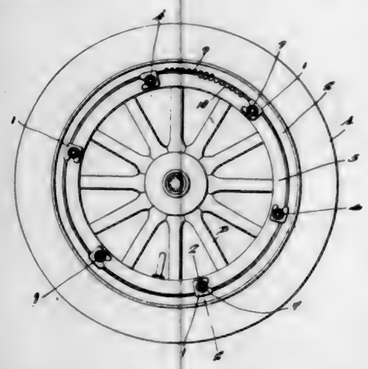
A pumping apparatus comprising an intake chute, an intake cylinder connected to the chute, clapper valves between the intake chute and the end of the cylinder, an intake piston mounted in the said intake cylinder and provided with a central conical opening, a hollow piston rod extending through the closed end of the intake cylinder and in open communication with the said opening in the intake piston, a discharge cylinder, the said hollow piston rod being extended through the closed end of the discharge cylinder, a discharge piston in the said discharge cylinder connected to the end of said hollow piston valve, a clapper rod carried by the said discharge piston and arranged to open and close the open end of the said hollow piston rod, a steam line, steam valves in the said steam line, a connecting rod connecting the said steam valves, a yoke on the said connecting rod, and a lever connected to the said hollow piston rod and engageable with the said yoke to impart motion to the said valves when the said piston rod is actuated.

1,558,610. PRINTING MECHANISM FOR PRINTING TELEGRAPH RECEIVERS. GEORGE S. HILTZ, Brooklyn, N. Y., assignor to Stock Quotation Telegraph Company, New York, N. Y., a Corporation of New York. Filed Mar. 28, 1923. Serial No. 628,193. 7 Claims. (Cl. 178—34.)



1. In a printing telegraph receiver, in combination, a pair of type disks rotatable to bring selected characters thereon to a printing position, a printing lever, a platen pivotally mounted on the printing lever to swing in a plane transverse thereto and having a pair of printing-arms, one for each type disk, and means associated with the platen and the type disks and operable at will to rock the platen in said transverse plane and thereby present the platen printing-arms singly to their respective type disks.

1,558,611. RIM. CHARLES L. HOBBS, Tulsa, Okla. Filed Feb. 5, 1924. Serial No. 690,846. 1 Claim. (Cl. 301—17.)



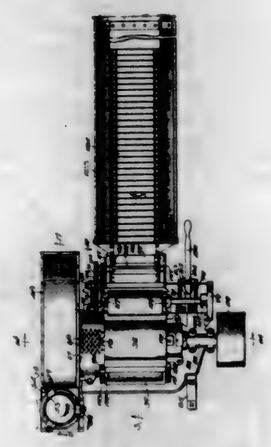
In combination with a wheel and its demountable rim, bolts passing through the felly of the wheel with their screw threaded portions projecting from the outer face of the felly, lugs connected with the rim and extending inwardly and each lug having a slot therein opening out through one side thereof and each lug having a recess in its outer face which has the inner end of the slot in its bottom and nuts engaging the threaded ends of the bolts, each nut having a flat under face for engaging a recess in the lug and said slots permitting removal of the rim upon a relative rotation thereof when the nuts have been removed sufficiently to clear said recesses.



1,558,612. STOOL. WILLIAM F. HOHORST, U. S. Army. Filed Jan. 19, 1923. Serial No. 613,783. 2 Claims. (Cl. 155—196.)

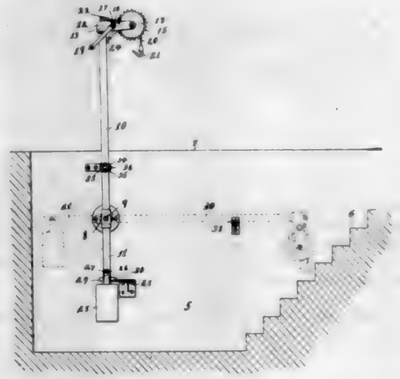
1. A knockdown stool, having a seat member and a plurality of rigid supports of triangular shape removably mounted at their upper ends in the seat member each consisting of vertical seat supporting members and horizontal brace members permanently mounted at one end near the lower end of said seat supporting member and removably secured at its other end to the adjoining seat supporting member, and diagonal brace member permanently mounted at its upper end near the upper end of said seat supporting member and secured at its lower end near the outer end of said horizontal brace, removable means for securing the supports to the seat, and removable means for securing horizontal brace to the adjoining brace.

1,558,613. CUTTING AND GRINDING APPARATUS. JOHN HOLLAND-LETZ and LUDWIG HOLLAND-LETZ, Crown Point, Ind., assignors to The Letz Manufacturing Company, Crown Point, Ind., a Corporation of Indiana. Filed Apr. 18, 1922. Serial No. 555,486. 8 Claims. (Cl. 146—107.)



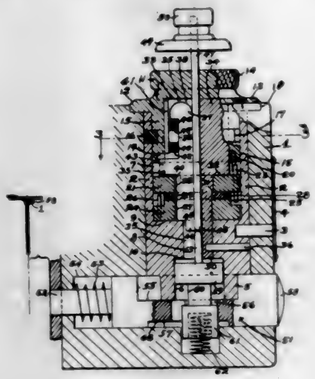
1. In a cutting and delivering device, the combination with a casing, of a shaft journaled therein, a comminuting head on the shaft, a delivery fan on the shaft, a fan casing having an inlet above the axis of the hereinafter mentioned screw conveyor a trough beneath the shaft into which the material cut by the head falls, a screw conveyor in the trough, and a lifting element on the end of the screw conveyor to lift the material to the fan-casing inlet.

1,558,614. HOISTING APPARATUS. EDWARD D. HOOKER, New York, N. Y., assignor to Gillis & Geoghegan, Inc., New York, N. Y., a Corporation of New York. Filed June 20, 1924. Serial No. 721,158. 5 Claims. (Cl. 212—8.)



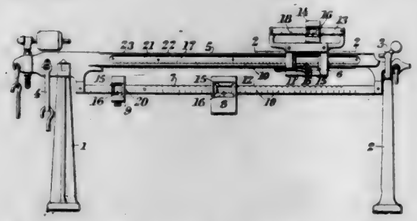
1. A counterbalanced hoisting apparatus swingingly mounted intermediate its ends in a sidewalk area and arranged to be swung from an inoperative position below the sidewalk level to an operative position above such level, and means disposed upon opposite sides of the pivot for holding it in such operative position.

1,558,615. PERMUTATION LOCK. FRANK HORAK, Valparaiso, Ind., assignor of one-half to Max Hirsch, Valparaiso, Ind. Filed May 2, 1921. Serial No. 466,289. 8 Claims. (Cl. 70—53.)



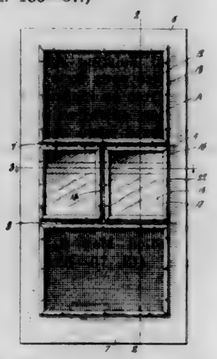
1. In permutation locks, a suitable housing, a plurality of revolvable disks therein, each disk having a central opening therethrough and a radial notch formed in the periphery of the opening, a slotted spindle within the housing passing through the openings, a rotatable dialed cap secured in the housing to enclose the spindle, a spring pressed key permanently located in the slot of the spindle, means for actuating the disks through a movement of the cap to bring the internal notches of all the disks in line opposite the key, and means for moving the key radially into said notches and thereby perform an unlocking operation by said means.

1,558,616. WEIGHBEAM. ALFRED C. HOWARD, Moline, Ill., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed Oct. 15, 1924. Serial No. 743,653. 5 Claims. (Cl. 265—49.)



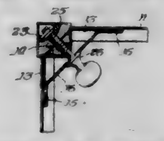
1. A weigh-beam having a longitudinally extending track provided with an upstanding rib, and a poise suspended from said beam by a pair of flanged rollers so formed as to afford a three-point contact with the track, one point of contact being with said rib.

1,558,617. SCREEN DOOR. CARL J. JACKSON, Superior, Wis. Filed Mar. 6, 1924. Serial No. 697,407. 1 Claim. (Cl. 156—37.)



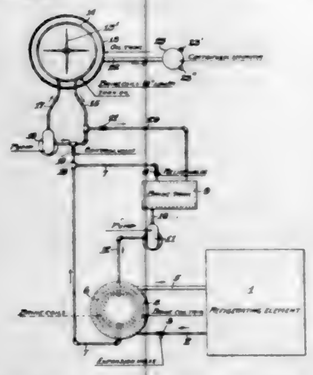
. A screen door comprising side stiles and end stiles, transverse rails connecting the side stiles together and arranged in spaced relation defining upper and lower openings and an intermediate opening, wire mesh screening closing the upper and lower openings, and a glass panel closing the intermediate opening, the glass panel including a lower relatively wide section arranged adjacent to the front face of the door and a relatively narrow depending section carried by one of the transverse rails arranged adjacent to the rear face of the door, the sections being arranged in different vertical planes and in overlapping spaced relation relative to one another defining a passage way therebetween, the relatively wide section terminating short of the transverse rail engaged by said relatively narrow depending section.

1,558,618. METAL FURNITURE. PETER C. JASPER, Michigan City, Ind., assignor of thirty per cent to Joseph Dirckx, Chicago, Ill. Filed Oct. 11, 1922. Serial No. 593,703. 2 Claims. (Cl. 45—48.)



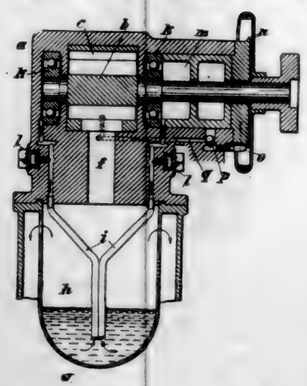
1. In metal furniture, the combination of angularly disposed side frames terminating at a point short of intersection, a plate secured to the side frames and extending diagonally between their respective ends, a leg having a vertical slit in its upper end, the leg being dimensioned to fit between the ends of the side frames and to admit said plate within said slit, a clamp-supporting member spaced away from said plate and extending between the side frames, and a clamping screw extending through said supporting member and plate and having threaded engagement with the leg outside of said slit.

1,558,619. METHOD AND APPARATUS FOR AVOIDING SHOCK CHILL IN PRECIPITATING SUBSTANCES FROM LIQUIDS. LEO D. JONES, Philadelphia, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed Feb. 5, 1921. Serial No. 442,691. 6 Claims. (Cl. 62—173.)



1. The method of treating liquid containing a substance precipitable by cooling which comprises forming a discontinuous precipitate of said substance in the liquid by reducing the temperature thereof at a substantially constant rate by heat absorption in refrigerant cooled at a rate bearing a substantially constant relation to changes in the temperature of the liquid.

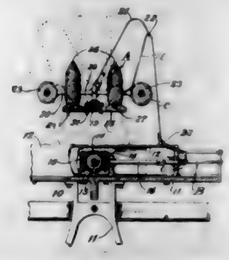
1,558,620. ROTARY COMPRESSOR WITH CRESCENT-SHAPED WORKING SPACE. EMIL KÄGI, Winterthur, Switzerland, assignor to Gebruder Sulzer, Aktiengesellschaft, Winterthur, Switzerland. Filed June 3, 1924. Serial No. 717,477. 2 Claims. (Cl. 230—30.)



1. The combination with a rotary piston gas compressor having a crescent-shaped compression space of means for adding to the gas to be compressed before it enters the compression space a quantity of liquid which serves, without the addition of further liquid, to fill the compression spaces in increasing measure to thereby increase the pressure of the gas delivered by the compressor.

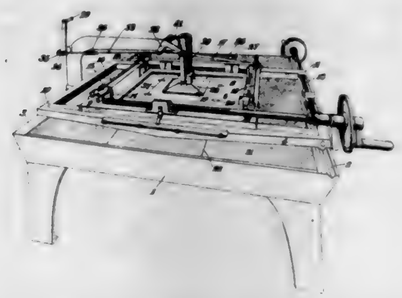


1,558,621. ATTACHMENT FOR QUILLING MACHINES. DAVID NORMAN, New York, N. Y. Filed June 11, 1924. Serial No. 719,385. 3 Claims. (Cl. 242—18.)



2. In combination with the square tension bracket bar of a quilling machine, an arm, spindles rising from said arm, and means for slidably mounting said arm on said bar.

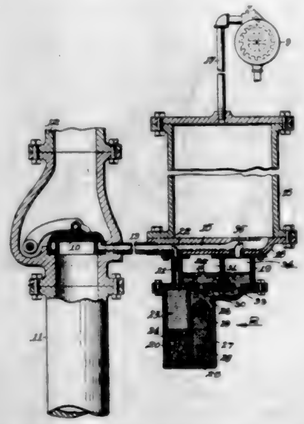
1,558,622. PHOTOGRAPHIC-PRINTING DEVICE. ASHLEY G. ODDEN, Baltimore, Md., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Mar. 5, 1921. Serial No. 449,801. 15 Claims. (Cl. 95—73.)



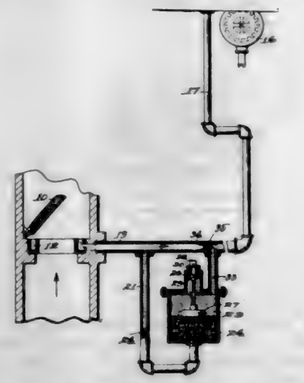
1. In a photographic printing device, the combination with a shield having an opening for a negative, of a sensitized surface holding device adapted to be shifted to a plurality of printing positions across said shield to be exposed to the negative, a black pile surface on the shield, and a black pile surface on the holding device adapted to lie against the first pile surface to form a light-tight joint around the sensitized surface.

1,558,623. AUTOMATIC DEVICE FOR DRAINING VARIABLE-PRESSURE ALARM SYSTEMS. HALFORD W. PARK, Scarsdale, N. Y., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 31, 1921. Serial No. 526,427. 11 Claims. (Cl. 169—23.)

1. In a water alarm system, the combination with an alarm valve, a water motor nozzle, and a passage for conducting water from the alarm valve to a water motor nozzle when the alarm valve opens, of a drain outlet for the water in the system located between the alarm valve and the water motor nozzle and connected with said passage, a valve adapted to completely close said outlet, and means for causing the pressure due to the flow of water through the system to act on the valve to close it, whereby the valve will open as soon as the water stops flowing.

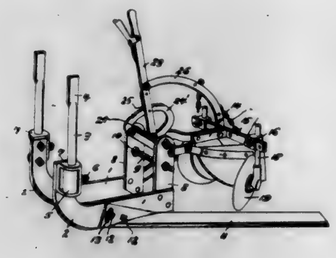


1,558,624. AUTOMATIC VALVE FOR DRAINING VARIABLE-PRESSURE ALARM SYSTEMS. HALFORD W. PARK, Scarsdale, N. Y., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 31, 1921. Serial No. 526,429. Renewed Mar. 13, 1925. 5 Claims. (Cl. 169—23.)



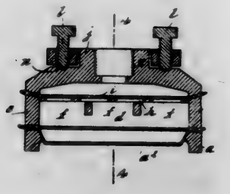
1. In an alarm system, the combination with an alarm motor and a pipe for conducting water thereto, of a restricted orifice within said pipe, a chamber below the pipe communicating at the top with said pipe close to the low pressure side of said orifice and constituting a suction chamber and having an outlet port, the bottom of said chamber communicating with the pipe on the other side of the orifice, a valve in the suction chamber adapted to rise therein and close the port, and means for transmitting the variation in pressure due to the velocity of water past the restricted opening to the top and bottom of said chamber and to said valve to cause it to be elevated and seated.

1,558,625. CULTIVATOR ATTACHMENT. WILLIAM JONES PETTY, Hollis, Okla. Filed Aug. 25, 1924. Serial No. 734,094. 1 Claim. (Cl. 97—179.)



A device of the class described comprising a sled having runners, boxes at the front ends of the runners, an upright rotatably supported in each box, means for holding the uprights against rotary movement in the boxes, said uprights being adapted to be fastened at their upper ends to a wheeled cultivator, a knife carried by each runner, a plow carrying frame pivotally connected with the rear part of the sled and a hand lever on the sled for adjusting the frame, said lever extending forwardly so that it may be actuated by an operator on the wheeled cultivator.

1,558,626. DRAWING-FRAME CARRIER FOR THE SPINNING OF ARTIFICIAL TEXTILE MATERIALS. GEORGES PIGNAL, Tubize, Belgium, assignor to Fabrique de Soie Artificielle de Tubize, Societe Anonyme, Brussels, Belgium. Filed July 22, 1924. Serial No. 727,407. 5 Claims. (Cl. 18—8.)

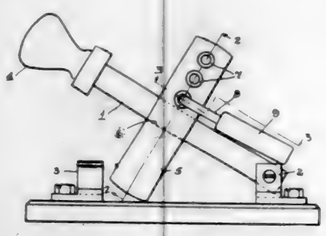


1. In a device of the kind described in combination with a base having a longitudinal groove, a gutter, the said gutter being provided with holes, a filtering surface the said surface having a section considerably larger than the maximum section of the gutter and means for holding the filtering surface above the gutter.

1,558,627. PRODUCTION OF NUTRIENT MEDIA FOR GROWING YEAST. ALFRED POLLAK, Vienna, Austria. Filed Mar. 16, 1923. Serial No. 625,616. 6 Claims. (Cl. 195—20.)

1. The process of producing a richly nitrogenous food for yeast production, which comprises treating water insoluble protein matter with an aqueous solution of sufficiently high hydrogen ion concentration to dissolve the protein and to convert some of the protein present into peptone and albumose and some into less complex nitrogen compounds, and then substantially reducing the hydrogen ion concentration and continuing the conversion to increase the relative amount of said less complex nitrogen compounds.

1,558,628. SAFETY LOCK FOR KNIFE SWITCHES. WILLIAM F. PURCELL, Buffalo, N. Y., assignor to The Safety Equipment Service Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 12, 1925. Serial No. 1,877. 4 Claims. (Cl. 200—42.)



1. A device of the character described, comprising a slotted block of insulating material, the slot in said block being adapted to fit over one of the members of a standard knife switch so as to prevent the closing of such switch, and said block being apertured transversely of such slot so as to permit the insertion of a locking member.

1,558,629. CARD-INDEX DEVICE. JAMES H. RAND, Jr., Tonawanda, N. Y. Filed Nov. 24, 1922. Serial No. 603,018. 5 Claims. (Cl. 129—16.7.)



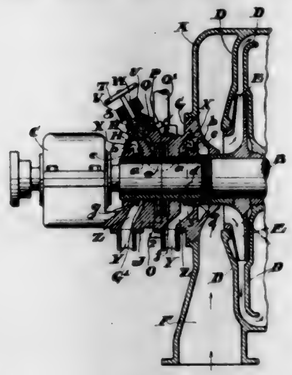
4. In an index device, an insert holder having an insert-receiving pocket formed along an edge thereof, a signal adapted to enter and be moved in said pocket, and interengaging parts on said holder and on said signal for retaining said signal in said pocket, said holder having a notch in the edge thereof which is disposed in said pocket and which extends adjacent the outer edge of said pocket whereby said signal may be inserted and removed from said pocket.

1,558,630. HYDRAULIC SEAL FOR ROTARY ENGINES. ROBERT H. REED, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 18, 1924. Serial No. 693,640. 1 Claim. (Cl. 286—9.)

In a machine of the class described, the combination with a main casing, of a rotary shaft in said casing, an auxiliary chamber associated with said shaft and main casing and adapted to be supplied with liquid under pressure, supply and discharge lines for the liquid



in said auxiliary chamber, manually operable means for controlling the flow of liquid to said auxiliary chamber, a rotary impeller extending into said auxiliary chamber adapted to create a hydraulic seal therein for the shaft, secondary chambers associated with said auxiliary chamber adapted to receive a portion of the liquid therefrom, said secondary chambers being formed with an inclined



wall and a groove, an impeller in each of said secondary chambers adapted to throw the liquid against said inclined wall, whereby the liquid will flow into said groove, discharge lines for said secondary chambers, and a manually adjustable spring pressed valve in the discharge line of said auxiliary chamber for maintaining substantially constant liquid pressure in said auxiliary chamber.

1,558,631. MEDIUM FOR BLEACHING, CRACKING, AND DESULPHURIZING PETROLEUM AND OTHER HYDROCARBON COMPOUNDS AND PROCESS OF PREPARING SAME. HERMAN REINBOLD and HUGO REINBOLD, Omaha, Nebr.; said Hugo Reinbold assignor to said Herman Reinbold. Original application filed Jan. 21, 1924. Serial No. 687,654. Divided and this application filed May 19, 1924. Serial No. 714,470. 8 Claims. (Cl. 23—233.)

2. An oil treating medium comprising hydrous silicic acid in combination with lithium chloride.

3. The use of lithium chloride in an oil treating medium.

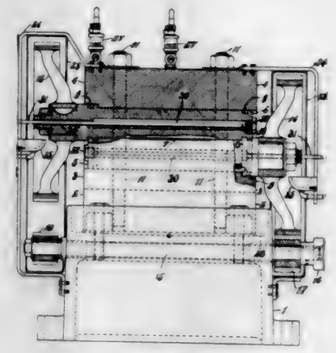
1,558,632. MEDIUM FOR BLEACHING, CRACKING, AND DESULPHURIZING PETROLEUM AND OTHER HYDROCARBON COMPOUNDS AND PROCESS OF PREPARING SAME. HERMAN REINBOLD and HUGO REINBOLD, Omaha, Nebr.; said Hugo Reinbold assignor to said Herman Reinbold. Original application filed Jan. 21, 1924, Serial No. 687,654. Divided and this application filed May 19, 1924. Serial No. 714,471. 12 Claims. (Cl. 23—233.)

2. An oil treating medium comprising lithium chloride combined with aluminum chloride.

4. The process of preparing a medium for the refining and distilling of oils comprising: the treating of an alumino-silicate clay with hydrochloric acid and adding lithium chloride.

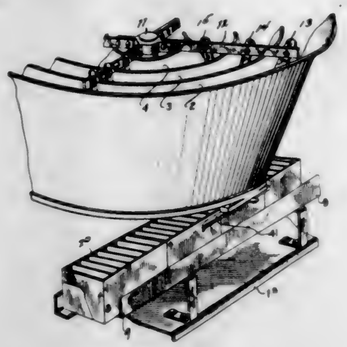
1,558,633. METAL-ROLLING DEVICE. ALBERT F. ROCKWELL, Bristol, Conn., assignor to Marlin-Rockwell Corporation, New York, N. Y., a Corporation of New York. Filed June 25, 1919. Serial No. 306,545. 2 Claims. (Cl. 80—55.)

2. A device for rolling metal into sheet form comprising: a pair of rollers of comparatively small diameter, and bearing members in which said rollers are journaled at and intermediate their ends, said bearing mem-



bers intermediate the ends of the rollers preventing lateral and also upward and downward movement of the rollers.

1,558,634. METHOD OF PACKAGING ICE CREAM. CHARLES E. ROGERS, Detroit, Mich. Filed Dec. 3, 1921. Serial No. 519,724. 2 Claims. (Cl. 226—93.)



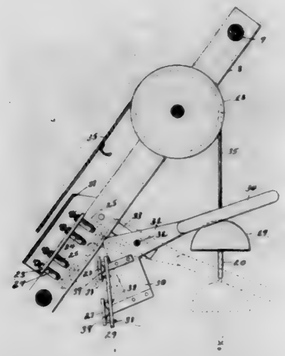
1. The method of filling receptacles with different materials in strata which consists in spacing longitudinally of the receptacle within the same, a series of material enclosures designed ultimately to encompass an individual portion of the material and flowing the strata of materials into the enclosures.

2. The method of filling a receptacle with material consisting in spacing longitudinally of the same, a series of material enclosures designed to ultimately encompass an individual portion of the material, and flowing the material into the enclosures.

1,558,635. HOISTING APPARATUS. WILLIAM M. RUTAN, Roosevelt, N. Y., assignor to Gillis & Geoghegan, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 2, 1924. Serial No. 703,576. 2 Claims. (Cl. 212—39.)

1. In a hoisting apparatus a jib, an electrically operated hoisting cable carried thereby, a lever pivotally mounted on the jib and having at its free end a loop

through which the hoisting cable passes, relatively fixed contacts on the jib, contacts carried by the lever upon



one side of its pivot, and means on the cable cooperable with said loop to control the movement of said lever in upward direction of movement of the hoist.

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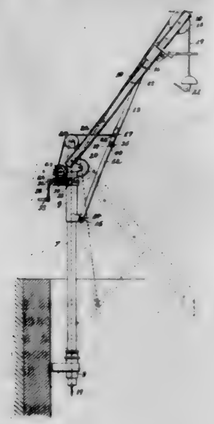
1,558,636. HOISTING APPARATUS. WILLIAM M. RUTAN, Roosevelt, N. Y., assignor to Gillis & Geoghegan, Inc., New York, N. Y., a Corporation of New York. Filed June 20, 1924. Serial No. 721,152. 9 Claims. (Cl. 212—61.)



1. A hoisting apparatus having a pivotally mounted jib, a pivotally united sectional foldable strut therefor, and means for folding and straightening said strut.

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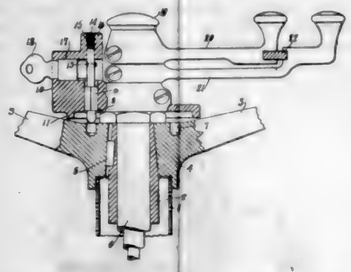
1,558,637. LOCK FOR STEERING WHEELS. LOUIS R. RUTHENBURG, Dayton, Ohio. Filed Feb. 23, 1923. Serial No. 620,794. 4 Claims. (Cl. 70—129.)

1. In combination, a steering wheel and a steering column, a stationary column supporting the lock above said steering wheel, a locking plunger carried by said lock and adapted to engage with apertures in said steering wheel and means for actuating said locking plunger into and out of engagement with said steering wheel,



means carried by said lock for concealing and protecting the locking plunger and a portion of the steering wheel with which it engages.

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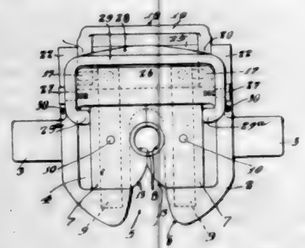
1,558,638. SUCKER-ROD ELEVATOR. WILLIAM P. SCHLINGER and GEORGE R. PARANTEAU, Oxnard, Calif. Filed June 23, 1924. Serial No. 721,750. 15 Claims. (Cl. 294—91.)



1. In a rod elevator, a body having a lateral rod receiving way, and jaws having meeting faces providing a circular closure for the way, the jaws being operative by pivoting on a substantially horizontal axis to and from a closed position, the jaws being mounted to pivot above their axis in moving to the open position.

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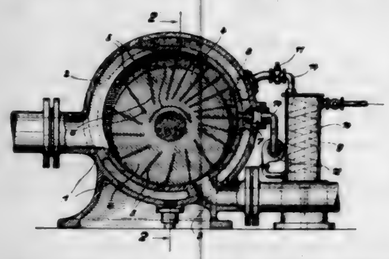
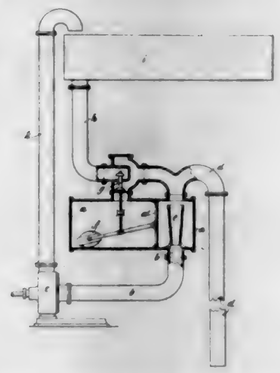
1,558,639. ROTARY MACHINE. WALTHER SCHMIED, Egnach-on-the-Bodensee, Switzerland. Filed July 27, 1923. Serial No. 654,282. 10 Claims. (Cl. 230—80.)



1. In a system of the class described, the combination, with a rotary machine comprising fluid chambers of gradually decreasing capacity and increasing pressure, of a conduit communicating with successive chambers of different pressure and including cooling means.



1,558,640. PRIMING AND REGULATING DEVICE FOR PUMPS OF THE SCREW, CENTRIFUGAL, AND VALVELESS TYPE. ALLEYNE BURTON SEABORNE, North Finchley, London, England. Filed Oct. 4, 1924. Serial No. 741,686. 2 Claims. (Cl. 103—113.)



1. A priming and regulating device for pumps of the centrifugal and valveless type comprising a closed tank between the suction pipe and the pump, a connection between the lower part of the tank and the inlet of the pump which is situated below said tank, a connection between the upper part of the tank and the suction pipe, a coned tube within said tank, a passage connecting together the suction pipe where it enters the tank and a reservoir into which the liquid is pumped, a valve situated in said passage and a float within said tank adapted to control the opening and closing of said valve, as set forth.

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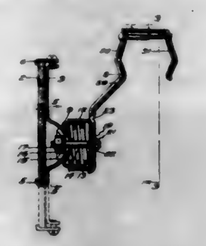
1,558,641. REAR-VIEW MIRROR. RUEL I. SHORT, Los Angeles, Calif. Filed June 1, 1922. Serial No. 565,035. 6 Claims. (Cl. 45—97.)



6. A mirror mounting comprising a bracket having a plurality of vertically spaced apertures therein, a mirror, a frame secured to said mirror, convex boss on said frame, a resilient member, composed of telescoping members enclosing a spring, interposed between said boss and bracket, said member having a concave surface engaging said boss, a bolt extending through said boss, resilient member and one of said apertures, a nut on said bolt disposed within said boss, a washer surrounding the bolt below the nut and means for preventing rotation of the nut with respect to the washer.

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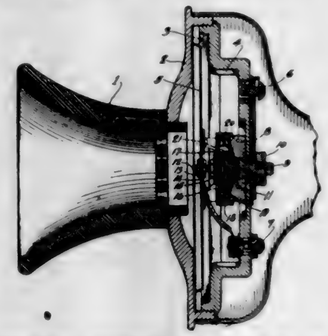
1,558,642. SHAVING SOAP. CURTIS A. SIPE, York, Pa. Filed Sept. 28, 1923. Serial No. 665,466. 2 Claims. (Cl. 87—5.)

1. A shaving soap comprising the reaction products of lye, fat, boric acid, together with much smaller quantities of acetanilid and hydrogen peroxid.

1,558,643. TELEPHONE TRANSMITTER. ARTHUR BESSEY SMITH, Evanston, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 7, 1923. Serial No. 637,169. 1 Claim. (Cl. 179—122.)



A microphone comprising two electrodes with oppositely disposed parallel faces, comminuted resistance material occupying the space between said electrodes, an auxiliary diaphragm parallel to and midway between said electrodes, said diaphragm having a centrally located insulated portion equal in size to one of said electrodes, and a plurality of openings outside of said insulated portion, said auxiliary diaphragm reducing the effective cross section area of the comminuted resistance material and also increasing the length of the current path through it.

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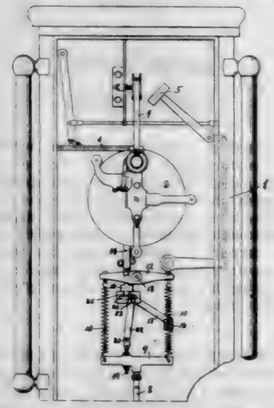
1,558,644. SCALE. THEODORE L. SMITH, Jr., Detroit, Mich., assignor to The Caille Brothers Company, Detroit, Mich., a Corporation of Michigan. Filed May 28, 1925. Serial No. 33,369. 5 Claims. (Cl. 265—8.)



1. In a scale, a rack-bar and a weight indicating mechanism actuated thereby, a load receiving mechanism, a link and a pivot therefor connected to the load receiving mechanism, a second link and a fixed pivot therefor, and a pin connecting the free ends of the links, said pin being caused to travel vertically and laterally as the weight receiving mechanism moves up and down, the lower end of the rack-bar being sufficiently wide to contact with said connecting pin throughout its movements.

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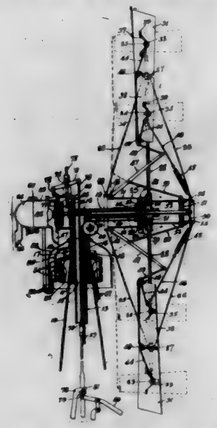
1,558,645. WINDMILL. HARVEY TERHORST, Donnybrook, N. Dak. Filed May 17, 1924. Serial No. 713,943. 21 Claims. (Cl. 170—69.)

1. In a windmill wheel the combination of a hub, a circular series of blades disposed about said hub, a sec-

ond circular series of blades disposed about said hub within said first series, each blade of one series adapted to register with a blade of the other series to form in



effect an extension thereof, and supports for the blades of both series permitting said blades to rock into and out of the plane of said series.

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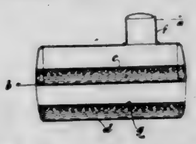
1,558,646. METHOD OF PROTECTING FROM INCRUSTATIONS METALLIC SURFACES WHICH ARE IN CONTACT WITH WATER OR OTHER LIQUIDS. WALTER THALHOFER, Vienna, Austria, assignor to A. G. Für Chemische Industrie in Liechtenstein. Filed Oct. 25, 1922, Serial No. 596,774. Renewed Feb. 2, 1925. 6 Claims. (Cl. 204—1.)



1. The method of protecting from incrustations metal surfaces in contact with liquids, which comprises connecting both poles of a source of current to the metal of the metallic object to be protected or to connected metallic parts, at spaced points to get a distributed flow of current through the metal of said object and causing an electric current to flow through the metal of said object of a magnitude less than that sufficient to produce a drop of potential acros ssaid object high enough to decompose the contained liquid.

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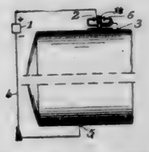
1,558,647. PROTECTION OF METALLIC SURFACES AGAINST INCRUSTATION AND CORROSION. WALTER THALHOFER, Vienna, Austria, assignor to A. G. Für Chemische Industrie in Liechtenstein, Schaan, Liechtenstein. Filed Aug. 14, 1923. Serial No. 657,457. 17 Claims. (Cl. 204—25.)



1. Method of protecting from incrustations metal surfaces in contact with liquids, which comprises connecting both poles of a source of current to the metal of the metallic object to be protected or to connected metallic parts, at spaced points to get a distributed flow of current through the metal of said object and causing a "pulsating" electric current to flow through said object, of a magnitude insufficient to produce a drop of potential across said connected points high enough to decompose water.

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1,558,648. WINDOW CONSTRUCTION. LOUIS A THOMAS, Los Angeles, Calif. Filed Sept. 25, 1923. Serial No. 664,695. 5 Claims. (Cl. 20—52.1.)

1. Window construction comprising; opposed sashes, vertically slidable in opposite directions, and suspended at each side of the window by a single chain over a pulley that is perpendicular to the sash plane; and sash pockets above and below the sashes; said pulleys and chains being recessed in the sash guideways to permit free movement of the upper sash; and the sashes having meeting rails adapted for mutual rabbeted engagement.

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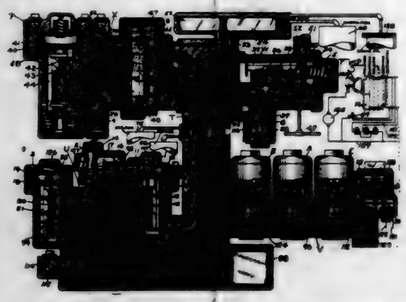
1,558,649. ELECTROPNEUMATIC BRAKE. THOMAS H. THOMAS, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 29, 1924. Serial No. 752,958. 38 Claims. (Cl. 303—15.)



1. In an electro-pneumatic brake, the combination with valve means operated by variations in fluid under pressure for controlling the release of the brakes, of electrically controlled means for controlling the release of the brakes independently of the position of said valve means.

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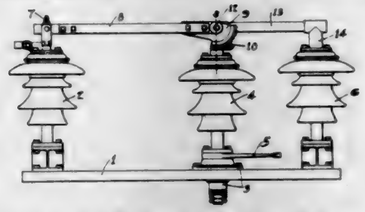
1,558,650. ELECTRIC SWITCH. JOSEPH S. THOMPSON, San Francisco, Calif. Filed Dec. 10, 1923. Serial No. 679,760. 4 Claims. (Cl. 200—48.)

1. In a circuit controller, a rotary insulator, a blade rotatable about an axis at an angle to that of the insulator, and means for transmitting the motion of the insulator to the blade, including a stationary bearing on which the blade is pivoted, said bearing having an aperture accommodating a portion of the insulator rotating





structure, a shaft for the blade carried by the bearing, a strut engaging the bearing for holding it against movement, a bevel gear on the rotary insulator and a gear on said shaft outside of the bearing in mesh with said bevel gear.

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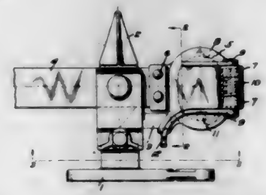
1,558,651. LATCH FOR ELECTRIC SWITCHES. JOSEPH S. THOMPSON, San Francisco, Calif. Filed May 11, 1925. Serial No. 29,283. 5 Claims. (Cl. 200—169.)



1. A device of the character described comprising a pivoted switch blade, cooperating fixed contacts therefor and means for locking said blade in closed position on said contacts comprising a fixed element and a hinged catch carried on the free end of said blade adapted to swing in a plane at right angles to the movement of said blade and engaged said element.

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1,558,652. PIPE CLEANER. ERNEST A. THORNTON, Valentine, Nebr. Filed May 27, 1924. Serial No. 716,231. 1 Claim. (Cl. 131—13.)

A pipe cleaner assemblage comprising a casing, a plurality of cleaner elements disposed longitudinally in the casing, said casing having longitudinal slots and having a partition slightly rearward of the front end through which partition said cleaner elements extend, and means on the cleaner elements available from the exterior of the casing for moving the same forward or back to project the elements beyond the casing or to withdraw the same within the casing, the rearward movement of said cleaner elements being limited to prevent the movement of the front ends of the cleaner elements through the partition, said partition constituting a scraper device to remove matter from the cleaner elements and said casing presenting a recess in front of said partition.

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1,558,653. WARDROBE BAG. ARTHUR H. TREULIEB, Amsterdam, N. Y. Filed Nov. 12, 1923. Serial No. 674,152. 2 Claims. (Cl. 206—7.)

1. A wardrobe bag having a flexible envelope closed except for a side opening, a frame for holding the upper end of the envelope expanded, said frame including a rigid middle longitudinal bar and two separated rigid longitudinal side bars on a lower plane than, and connected with, said middle bar, a rigid clothes-hanger-receiving cross-bar connecting together said side bars, and exterior bag-supporting means connected with said middle bar.

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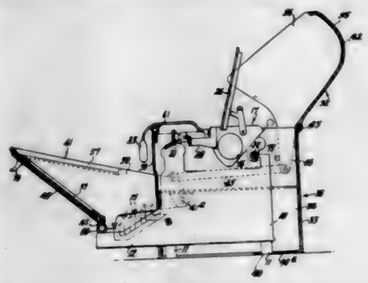
1,558,654. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 5, 1921. Serial No. 505,603. 15 Claims. (Cl. 197—186.)



1. A combined sound-deadening casing and typewriting machine having a carriage, said casing including a body-part, and said carriage having paper-controlling means including an auxiliary device rising from said carriage substantially above said body-part, a top for said body-

part comprising a section in rear of said auxiliary paper device and hinged to the body-part and having a rear wall and side walls, and a section in front of said auxiliary device and having a forwardly and downwardly inclined window and side walls pivoted on the body-part, and connections between the front section and rear section to cause them to move simultaneously to open or closed positions.

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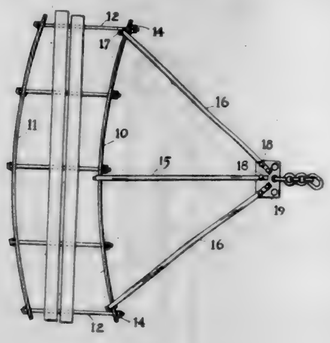
1,558,655. AUTOMATIC ROAD CROWNER. JOHN BRISBEN WALKER, Mount Falcon, Colo. Filed Dec 24, 1920. Serial No. 432,932. 4 Claims. (Cl. 37—175.)



1. A yieldingly framed road-crowner comprising vertically arched and horizontally concave front and rear transverse blades each extending continuously from one side of the road to the other, the blades being yieldingly held in edge relation to the road and horizontally concave whereby they automatically adjust their curvature and alignment partially to the road while being drawn thereover.

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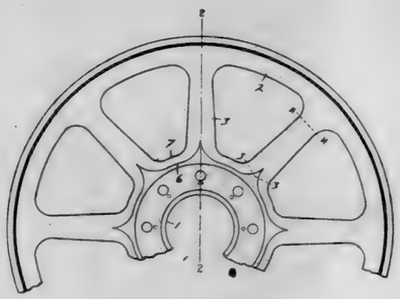
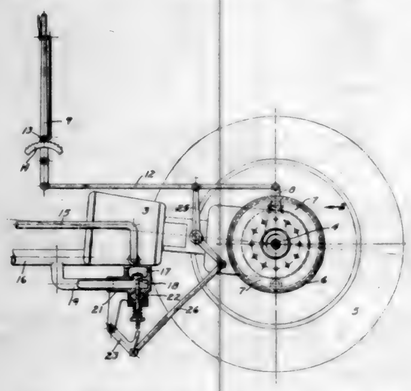
1,558,656. CAST-WHEEL CONSTRUCTION. ELMER F. WATERBOR, Detroit, Mich., assignor to Christine McD. Simpson, Detroit, Mich. Filed Feb. 2, 1925. Serial No. 6,378. 2 Claims. (Cl. 301—65.)



1. A cast metal wheel including a hub section and spokes integral therewith and merging thereinto, said spokes at their points of mergence into said hub section having substantially parallel portions and arcuate portions merging into said parallel portions.

1,558,657. STEAM-ENGINE CONTROL. ROY A. WILSON, Berkeley, Calif., assignor to Doble Steam Motors Corporation, a Corporation of Delaware. Filed Dec. 26, 1924. Serial No. 758,173. 6 Claims. (Cl. 192—3.)



1. The combination with a steam engine, of a shaft arranged to be driven thereby, a live steam pipe connected to the engine, a brake associated with said shaft and means operative by the application of the brake for establishing communication between the steam pipe and a low pressure space.

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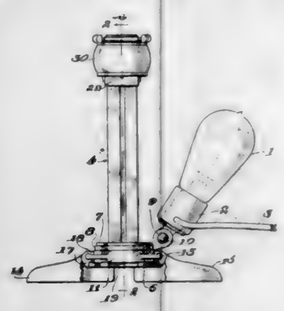
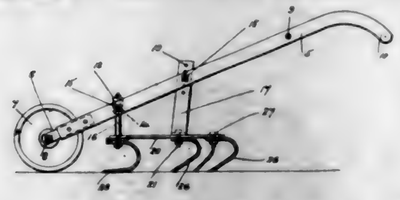
1,558,658. PORTABLE ELECTRIC-LIGHT STAND. STEFAN WIMMER, West New York, N. J. Filed Sept. 26, 1924. Serial No. 740,065. 14 Claims. (Cl. 240—81.)



1. The combination in a clamping device, of a tube, a flexible member disposed lengthwise in said tube, a movable carrier within said tube to which one end of said member is attached, a plurality of fulcrum elements slidably mounted on said member, a stop at the free end of said member to hold said elements in place on the same, means on said tube for moving said carrier, an abutment within said tube fixedly supported with respect to said means whereby said carrier may be moved with respect to said abutment, the said fulcrum elements being disposed on said flexible member below said abutment and the said member passing through said abutment, the stop-carrying end of said flexible member extending beyond the adjacent end of said tube, said fulcrum elements, when said carrier is moved away from said abutment, adapted to impart a curved form to that portion of the flexible member extending beyond the tube.



1,558,659. CULTIVATOR. VERN WISE, Waterloo, Ind. Filed Aug. 2, 1924. Serial No. 729,757. 1 Claim. (Cl. 97—59.)



A cultivator, comprising a pair of handle bars provided with a ground wheel, a crossbar pivoted between the handle bars, a pivot pin having its upper end secured to the said crossbar and adjusted circumferentially of the pivot of the crossbar, substantially horizontal frame bars having their front end portions pivoted on the lower part of the said pin, cultivating tools secured to the frame bars, an adjustable bracket comprising a horizontal member and upwardly projecting arms at the ends thereof, means for adjustably securing the said arms to the handle bars to hold the horizontal member at various elevations, and adjustable means for securing the frame bars to the said horizontal member at various angles to each other.

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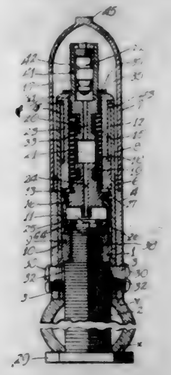
1,558,660. COMBINED PRESSURE GAUGE AND VALVE CAP. JOSEPH E. WOOD, Chicago, Ill., assignor to W. Lee Provol, Chicago, Ill. Filed Jan. 17, 1924. Serial No. 686,901. 4 Claims. (Cl. 152—165.)



1. A device of the type described comprising a casing, an air pressure indicating member adapted to move with respect to said casing, and an expanable air receiving compartment connecting said indicator with a tire valve, the walls of said compartment enclosing the upper portion of said valve.

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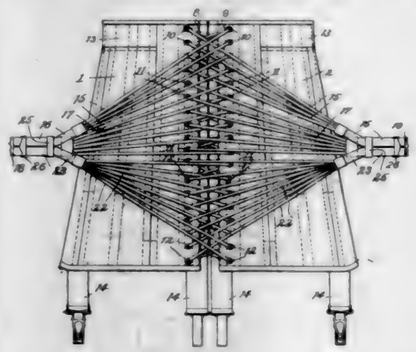
1,558,661. CORSET. MITCHEL YEGANIAN, New York, N. Y. Filed June 10, 1922. Serial No. 567,358. 2 Claims. (Cl. 2—39.)

1. In a corset having sectional portions with eyelets adjacent the opening edges of said portions, a center lacing unit having a plurality of laces engaging the complementary eyelets in the center of said portions, a top lacing unit having a plurality of laces engaging the complementary eyelets in the top of said portions, a bottom lacing unit having a plurality of laces engaging the complementary eyelets in the bottom of said portions, a divided belt member, the end of one portion having attached thereto all the ends of the laces on one side of said center unit, one end of the other portion of said belt member having attached thereto all the



ends of the laces on the opposite side of said center unit, tabs for uniting the ends of each group of laces in the top and bottom lacing units, and means for adjustably attaching said tabs to the belt members.

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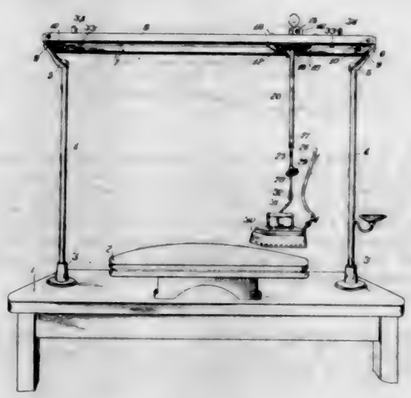
1,558,662. SUPPORT FOR PRESSING IRONS. ANTON ZEMAN, Chicago, Ill., assignor to Joseph Saltzman, Chicago, Ill. Filed Oct. 27, 1924. Serial No. 746,095. 3 Claims. (Cl. 68—9.)



1. In a pressing device, the combination of a pair of supports, a track member extending between and pivoted to the supports and having spaced rails positioned respectively at opposite sides of the axis of the pivots, a carriage interposed between the rails and having supporting wheels operating therealong, and a hanger carried by the carriage and having a yielding connection with the pressing iron.

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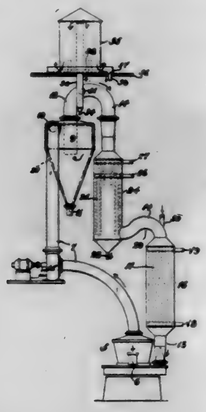
1,558,663. FUEL-PULVERIZING APPARATUS. JOHN E. BELL, Brooklyn, N. Y., and HENRY KREISINGER, Pittsburgh, Pa., assignors to Combustion Engineering Corporation, a Corporation of New York. Filed Sept. 16, 1922. Serial No. 588,582. 16 Claims. (Cl. 83—9.)

1. A fuel pulverizing system comprising an aerating pulverizer, an air and fuel separator receiving air-borne

fuel from said pulverizer and returning the separated air thereto, means for heating the returning air, and



means for abstraction of moisture from the return side of the system on the way to said heating means.

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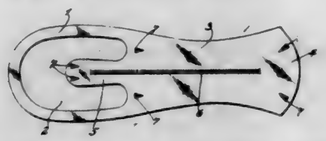
1,558,664. SHANK FOR TURN SHOES. JULIUS R. BINDNER, St. Louis, Mo. Filed July 11, 1924. Serial No. 725,338. 6 Claims. (Cl. 36—76.)



5. A shank for turn shoes comprising a metallic plate of a length sufficient to extend from a point behind the breast wall of the heel of the shoe for which the shank is intended to a point near the break line of said shoe and having a hole through the rear portion thereof, and a longitudinal depending flange integral with the under side of said plate and terminating between the ends thereof for engagement in a groove in a shoe sole.

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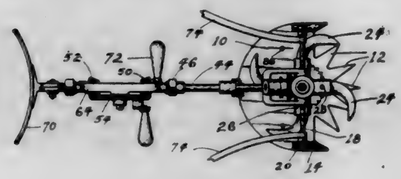
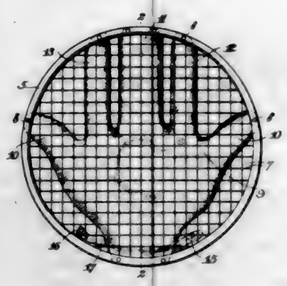
1,558,665. HEDGE CUTTER. CARL NICHOLAUS BREIT, Louisville, Ky. Filed Dec. 21, 1922. Serial No. 608,331. 3 Claims. (Cl. 83—11.)




1. A hedge cutter including a base plate, cutting edges on said plate, blades movable over said plate, a rotatable support for the blades, a pair of reversely operating driving gears on the support, a power mechanism for operating either of said gears, and a pair of reversely operating driving connections between the power mechanism and the rotatable support.

1,558,666. HANDBALL BAT. JOSEPH BREWER and HAROLD S. WILKS, New York, N. Y. Filed June 4, 1924. Serial No. 717,795. 4 Claims. (Cl. 273—67.)



1. A striking bat comprising a striking element, and means for attaching the striking bat in operative position, said means being in the nature of a glove attached to said element at the back thereof, the attachment of the glove to said striking element being effected by fasteners extending respectively through the tips of the finger and thumb members and the heel of the glove to afford a yieldable body portion.

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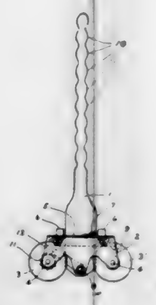
1,558,667. SKATE. JULIEN A. BRIED, Oakland, Calif. Filed Apr. 13, 1921. Serial No. 461,048. 20 Claims. (Cl. 208—182.)



1. In a roller skate, a handle secured to the side thereof extending upwardly at the outer side of a rider's foot and leg when upon said skate, said handle being adapted for gripping by the rider's hand at various places along its upper portion for holding the skate to the foot.

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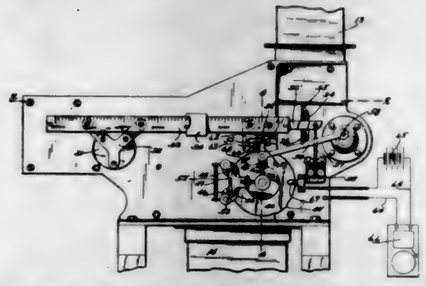
1,558,668. FEED REGULATOR. CLARENCE W. CARTER, Minneapolis, Minn., assignor to Carter-Mayhew Manufacturing Company, Minneapolis, Minn. Filed Nov. 26, 1923. Serial No. 677,198. 23 Claims. (Cl. 83—44.)

1. An automatic feed regulator comprising feed-controlling mechanism, a flow-actuated device for controlling said feed-controlling mechanism, and a power device that derives its force from a source independent of





the flow of material through said regulator and which furnishes power for actually adjusting said feed-controlling mechanism.

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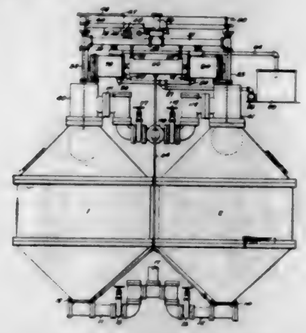
1,558,669. MIXING APPARATUS. OSCAR PRIETO Y CRUZ, Ponce, P. R. Filed June 6, 1923. Serial No. 643,805. 8 Claims. (Cl. 127—14.)



1. An apparatus for handling sugar juices, which includes a pair of tanks, inlet and discharge pipes leading from said tanks, check valves in said inlet and discharge pipes, means for feeding the juice to said tanks under pressure, said valves in the inlet pipes adapted to admit the juice except when a counterbalancing pressure is introduced into the tanks, said valves in the discharge pipes adapted to permit the discharge of fluid therethrough only when pressure is applied to the tanks, a source of fluid pressure, conduits connecting said source to said tanks, a fluid controlling valve in said conduit, means for operating said valve, and means adapted to be actuated in accordance with the liquid level in said tanks for controlling said valve operating means, said valve adapted to connect the source of fluid pressure to onetank while admitting atmospheric pressure to the other tank.

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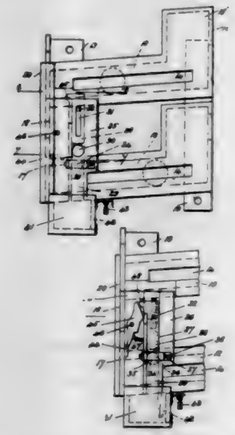
1,558,670. RACK FOR POOL BALLS. EDWARD L. GUSTAFSON, Holdrege, Nebr. Filed June 13, 1925. Serial No. 36,979. 8 Claims. (Cl. 273—16.)

1. In a rack for pool balls, a ball chamber having an opening in one end portion of it stop, and an entrance chamber for the balls arranged over the said opening and provided with an entrance opening in one of its vertical sides.

3. In a rack for pool balls, a ball chamber, a ball delivery slide normally closing one end of the ball chamber, a pivoted pawl normally preventing the opening movement of the said slide, a block provided with a guide channel having a coin opening in one side, a coin push-bar slidable in the upper part of the guide channel and provided with means for retracting the said pawl, and



a retractable stop for the push-bar arranged crosswise of the guide channel below the coin opening, the said push-bar operating positively to retract the pawl after retracting its stop by means of a coin.

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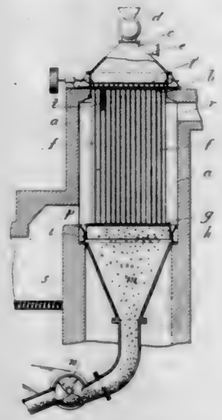
1,558,671. RETORT APPARATUS FOR THE TREATMENT OF MATERIALS SUCH AS SHALE, COAL, AND THE LIKE. WILLIAM GUY-PELL, London, England. Filed July 17, 1924. Serial No. 726,511. 5 Claims. (Cl. 202—14.)



1. A retort comprising a casing having an inlet for the heating medium at one side and an outlet therefor at the opposite side, a stationary tube plate forming an end wall of the casing, a chamber adjacent said tube plate having an inlet for material to be heated and an outlet for gas or vapour, a plurality of tubes extending from said tube plate substantially throughout said cas-

ing and through which material from said chamber passes, a receiver for spent material at the end of the casing opposite to that at which the chamber aforesaid is located, and into which receiver the said tubes discharge, the tubes forming a single group around all of which collectively the heating medium flows, and means whereby spent material can gradually be discharged from the receiver aforesaid, substantially as described.

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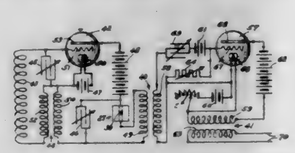
1,558,672. TELEPHOTOGRAPHIC SENDING APPARATUS. RUSSELL HART, Los Angeles, Calif. Filed July 2, 1923. Serial No. 649,086. 5 Claims. (Cl. 178—6.)



1. Apparatus of the character described comprising; means for projecting optical images upon a plane; an oscillating circuit including a photo-electric cell and an audion, whereby a photo-modulated current may be produced; and means for causing said cell to traverse said plane for modulating said current; said cell being connected in the plate circuit of said audion.

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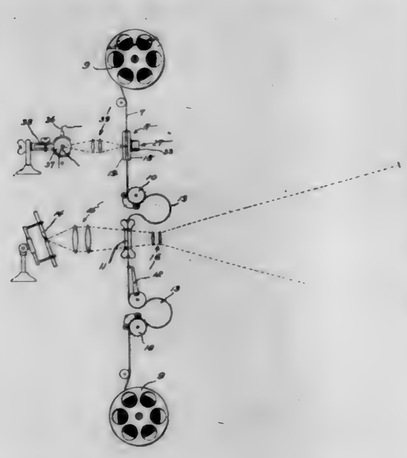
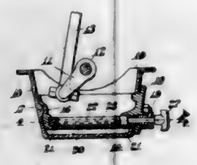
1,558,673. MEANS FOR REPRODUCING SOUND FROM GRAPHICAL RECORDS. RUSSELL HART, Los Angeles, Calif. Filed Aug. 13, 1923. Serial No. 657,260. 4 Claims. (Cl. 179—100.1.)



1. Apparatus for sound reproduction comprising; a uniformly movable film having a sound record thereon adapted for continuously intercepting light rays in varying degrees; a tenuous illuminable filament in tension; an intermediate lens adapted for focusing an image of said filament upon said record transversely to its direction of motion; and means for transforming the light rays that pass through the record into sound waves.

4. In apparatus of the character described, in combination, a photo-electric cell; a spaced optical film; and an intermediate aperture having highly reflecting walls.

1,558,674. CRANK CASING FOR INTERNAL-COMBUSTION ENGINES. PARKER B. HASKELL, Lynn, Mass., assignor, by direct and mesne assignments, of one-third to Walter B. Pohle, Lynn, Mass., and one-third to Susan V. Russell, Chelsea, Mass. Filed Aug. 18, 1924. Serial No. 732,741. 15 Claims. (Cl. 184—13.)



1. A crank casing having an opening in one wall thereof; and a removable oil containing splash trough having a length to extend across the said casing and adapted to be inserted through said opening and secured to said wall.

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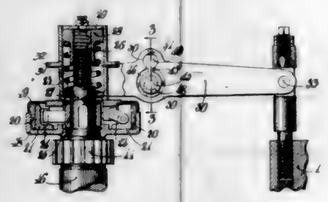
1,558,675. CONTROLLING MECHANISM. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 11, 1921. Serial No. 476,903. 22 Claims. (Cl. 192—99.)



10. In a mining machine, in combination, a friction device, a lever for operating said friction device, a crank pin for operating said lever, and a link disposed within the limits of said lever connecting said lever and crank pin.

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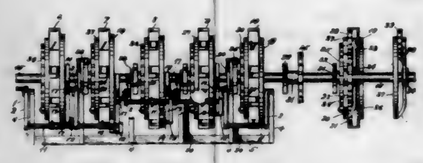
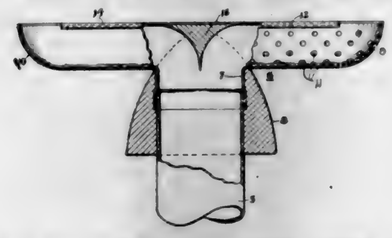
1,558,676. COMPUTING MACHINE. JUSTIN T. HURLEY, Elizabeth, N. J. Filed July 25, 1925. Serial No. 46,169. 8 Claims. (Cl. 235—133.)



1. In a machine of the class described, the combination of digit wheels, planetary operating gears for the wheels, transfer devices in sets pivotally connected together and mutually operative, said transfer set effective when its respective wheel on the higher order side indicates ninth position, to transfer to said wheel and advance the next higher set one step to transfer from the ninth position of said respective whel.



1,558,677. SPRAY HEAD. ARTHUR W. KIRTON, Philadelphia, Pa. Filed Oct. 11, 1922. Serial No. 593,747. 13 Claims. (Cl. 299—69.)



1. A spray head comprising a revolubly mounted member embodying a plurality of substantially horizontally disposed, hollow, open-topped radiating arms, a removable cover member thereover, said cover member being perforated, and means for supplying fluid to the interior of said head.

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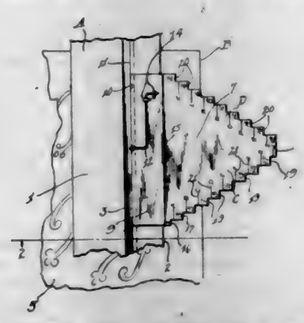
1,558,678. PAPER-HANGER'S TRIMMING GAUGE. RICHARD F. KOENIG, Jackson, Mich. Filed Mar. 16, 1925. Serial No. 15,967. 1 Claim. (Cl. 33—168.)



The combination with a straight edge having a work engaging surface, of a measuring means comprising a plate normally disposed in a plane parallel with and closely adjacent to the plane of the work engaging surface of the straight edge, said straight edge have a secured to said plate for engaging with said groove, whereby the plate may slide longitudinally of said straight edge, and whereby the plate may be yieldingly disengaged with the straight edge at will, as by drawing the plate upwardly away from the work, said plate being provided with edges parallel with the edge of the work engaging surface.

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1,558,679. HAIR-DRYING COMB. JEAN U. KORÉE, New York, N. Y., assignor to The Korimpex Co. Inc., New York, a Corporation of New York. Filed July 16, 1924. Serial No. 726,386. 1 Claim. (Cl. 34—26.)

In a hair-drying comb, the combination with a comb having a hollow back extending beyond the body portion extension of said hollow back is adapted to be seated, said back extension being provided with a longitudinal slot, and a heater on said handle adapted to be inserted into said hollow back, said heater extending through said socket and being provided within the latter with a projection adapted to be received by said slot to prevent rotation of said comb relative to said handle.

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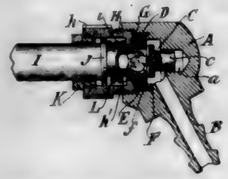
1,558,680. VALVE-CONTROLLED NOZZLE. HENRY PHILLIP KRAFT, Ridgewood, N. J.; Edgar J. Phillips and Earl A Daar, executors of the will of Henry P. Kraft, deceased. Filed Feb. 16, 1922. Serial No. 537,078. 3 Claims. (Cl. 299—150.)



1. In a device of the type described, a casing having a valve gasket, a check valve adapted to normally seat against said gasket, a member having a passage therethrough carried by said casing and adapted to simultaneously unseat the check valve and contact with the gasket to form a leak-tight seal with the casing.

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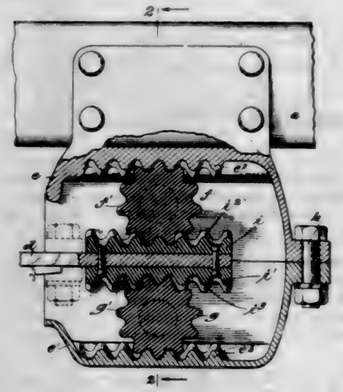
1,558,681. CUSHION CONNECTION FOR VEHICLE CONSTRUCTION. AUGUST H. LEIPERT and GUSTAVUS HAAG, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed May 23, 1924. Serial No. 715,387. 7 Claims. (Cl. 267—54.)



1. In combination with the spring and frame of a motor vehicle, a mechanical connection and support interposed between one end of the spring and the frame, and a wholly non-metallic support interposed between the other end of the spring and the frame, and including a plurality of non-metallic yielding elements engaging opposite sides of the spring and adapted to roll on their own axes, respectively, upon longitudinal movement of the spring.

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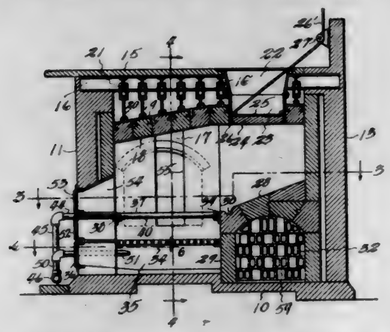
1,558,682. BURNING CHAMBER FOR INCINERATORS. GUS F. LENK, Dallas, Tex. Filed Aug. 1, 1924. Serial No. 729,652. 5 Claims. (Cl. 110—8.)

1. In an incinerator, the combination of a burning chamber having a charging hole in its roof and an outlet at one side, a baffle wall in the chamber having an open-

ing therethrough, fire grates extending on each side of the wall, the opening of the wall extending above said



fire grates, and suspension grates on each side of the wall, the opening of the wall extending above and below the suspension grates.

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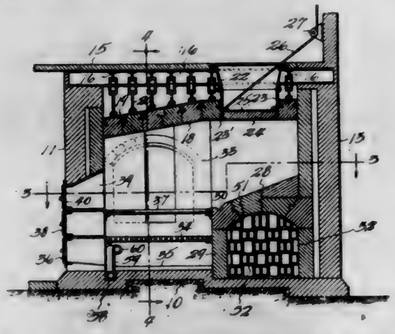
1,558,683. INCINERATOR. GUS F. LENK, Dallas, Tex. Filed Aug. 1, 1924. Serial No. 729,653. 3 Claims. (Cl. 110—8.)



1. In an incinerator, the combination of a main burning chamber having a charging hole in its roof, an elevated inclined drying table contiguous to the rear wall of the chamber and having a liquid evaporating trough along its front edge, baffle walls in said chamber extending from the front walls to the table, grates mounted between said baffle walls in front of said table, the chamber having doors in the front walls above and below said grates, and a tunnel outside of the chamber extending under said table and connected with said chamber.

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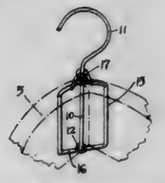
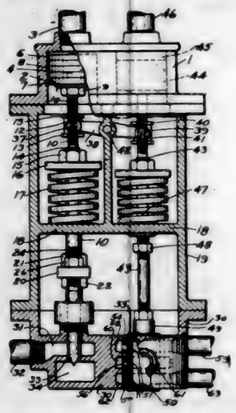
1,558,684. GARMENT HANGER. EDWARD LEVIN, Brooklyn, N. Y. Filed Oct. 2, 1923. Serial No. 666,069. 3 Claims. (Cl. 211—13.)



3. A garment hanger comprising two frame pieces having ends meeting each other, a hook having a shank held between said meeting ends, each of said frame pieces having a bore spaced from said ends, and a U-shaped wire binder passing through said bores and having protruding ends coiled around the hook shank.

1,558,685. FUEL-OIL-BURNER REGULATOR. WILBERT F. LEWIS, Tacoma, Wash., assignor of forty one-hundredths to A. Hyndman. Filed Dec. 26, 1923. Serial No. 682,653. 6 Claims. (Cl. 236—24.5.)



1. A fuel oil burner regulator comprising needle valves inserted in the oil and steam passages to the burner; a cylinder connected to the boiler so that as pressure in the boiler increases the cylinder will close the needle valves; a spring for equalizing the pressure on the cylinder; another cylinder connected to the steam supply line beyond the throttle valve; a walking beam for transmitting the movement of the piston in the latter cylinder to the piston in the former cylinder; and suitable valves operated by the movement of the cylinders for controlling a draft regulator.

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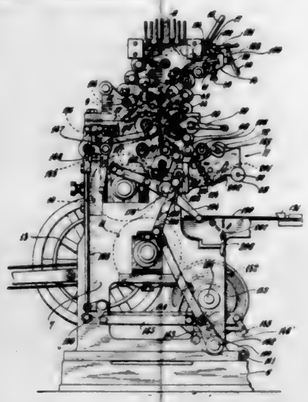
1,558,686. PRINTING PRESS. MORRIS LIPTON, Rutherford, LOUIS HAENLEIN, East Rutherford, and FREDERICK W. HILL, Rutherford, N. J., assignors to The Fuchs & Lang Manufacturing Company, a Corporation of New York. Filed June 21, 1922. Serial No. 570,001. 20 Claims. (Cl. 101—144.)



1. A printing machine having a plate cylinder adapted to carry a printing plate, a source of printing fluid supply, an inking drum, an inking roller adapted to transfer printing fluid from said source of supply to said inking drum, a pair of ratchet wheels cooperatively associated with said inking roller, a pair of pawls adapted to cooperate with said ratchet wheels, means for oscillating said pawls in a given path whereby said inking roller is intermittently actuated, and means yieldably connected with said pawls for lifting the same out of engagement with their respective ratchet wheels.



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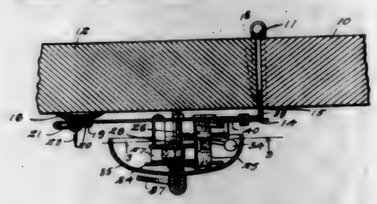
1,558,687. BURGLAR ALARM. CARL F. LOAR, Sunbury, Ohio. Filed Mar. 24, 1925. Serial No. 17,942. 5 Claims. (Cl. 116—91.)



4. A burglar alarm in combination with a door and door frame, comprising a plate, means for attaching said plate to a door, a pair of parallel spaced extensions formed on said plate, said extensions having the free ends thereof bent at right angles and extending between the door and door frame, an angled member having a slot in one arm thereof while the other arm is positioned between the bent portions of the parallel spaced extensions and between the door and door frame, a pin carried by said plate and extending through said slot in said angular member, an upturned flange formed on the inner edge of one of the parallel spaced extensions for acting as a guide for the slidable movement of the angled member on the plate, a spring operated means for sounding an alarm comprising a series of gears, a lug carried by said angled member for engaging between the teeth of one of the gears of said means for sounding an alarm to prevent the sounding of the alarm while the door is in a closed position, and a leaf spring secured to said plate and having the free end thereof engaging said lug for moving the same away from the gear when the space between the door and door frame is increased by the opening of the door.

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1,558,688. PROCESS OF COMPOUNDING RUBBER. CHAUNCEY C. LOOMIS, Yonkers, and HORACE E. STUMP, Brooklyn, N. Y., assignors, by mesne assignments, to The Hevea Corporation, a Corporation of New York. Filed Mar. 10, 1923. Serial No. 624,275. 2 Claims. (Cl. 18—50.)

1. The process which consists in preparing compounding ingredients for subsequent addition to a body of rubber, which consists in surrounding and encasing the particles of such ingredients in a thin coating of rubber, and then introducing the so-treated ingredients into a main body of rubber material.

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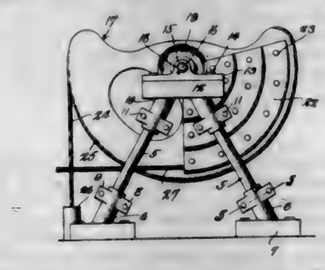
1,558,689. PULLEY JACK. DONALD C. MCBRIDE, Luling, Tex. Filed Apr. 10, 1925. Serial No. 22,165. 1 Claim. (Cl. 74—5.)



In a pump jack, a body portion formed with a curved surface and having a shaft opening, shoulders formed adjacent to the shaft opening, lateral members having outer curved edges and straight end edges extending to the shoulders, the inner ends of the lateral members resting on the shoulders, outwardly curved flanges arranged one above the other and formed integral with the lateral members defining grooves, and bolts extending through the lateral members and body portion for securing the lateral members to the body portion.

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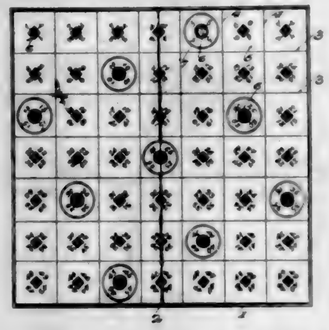
1,558,690. GAME APPARATUS. EDWIN P. MCCOLLOM, Baltimore, Md. Filed Dec. 29, 1923. Serial No. 683,441. 2 Claims. (Cl. 273—135.)



1. In a game apparatus, a game board having forty-nine spaces provided on the face thereof, said spaces being arranged in a square consisting of seven parallel rows each containing seven spaces, said spaces being numbered sequentially from "1" to "49", inclusive, beginning with one of the corner spaces and ending with the corner space diagonally opposite to the first-named corner space, each of said spaces also having a central marking produced thereon, the central marking on the spaces indicated by numbers divisible by "5" being of such character as to distinguish such central marking from that on the remaining spaces, and a pack of fifty playing cards each adapted to be placed on one of said spaces on the game board, one of said cards being designated "cheater" and being playable on any one of said spaces, and the respective remaining cards being numbered and marked to identify such cards with the corresponding spaces on the game board.

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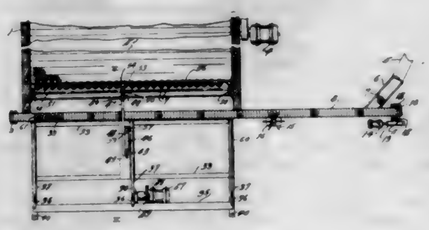
1,558,691. LEER-CHARGING MECHANISM. JOSEPH MCDERMOTT, Toledo, Ohio. Filed July 23, 1924. Serial No. 727,722. 6 Claims. (Cl. 198—31.)



1. A leer comprising a first conveyor therethrough, a transverse second conveyor thereinto in position adjacent said first conveyor, and an independent transfer device shiftable relatively to said two conveyors into position at an end of the leer and alongside the second conveyor, said transfer device embodying a pusher for moving ware from the second conveyor to the first conveyor.

5. A leer charger comprising a horizontally shiftable ware moving pusher, a guard for holding ware against toppling over as shifted by said pusher; control connections therebetween embodying linkage, a rock shaft, a rack and pinion connection therefrom to said pusher, and rack and pinion connection therefrom to said guard, and pusher actuating means for simultaneously controlling said guard and pusher.

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1,558,692. COMBINATION DESK AND CHAIR. JAMES E. MCGINLEY, Breckenridge, Tex., assignor of one-tenth to John Turmes, Breckenridge, Tex. Filed Dec. 31, 1923. Serial No. 683,760. 2 Claims. (Cl. 155—3.)

1. A combined all metal desk and chair comprising a column having a semi-cylindrical extension formed on its upper end defining a shoulder, a rigid supporting plate arranged on the shoulder, a sheet metal seat back rigidly secured to said extension and resting upon said rigid plate, a desk top formed on and continuous with said back and projecting laterally from one face thereof, side walls formed on and depending from the desk top, a desk bottom supported by the side walls, and a pivoted seat carried by the lower edge of the seat back and arranged to rest upon the rigid supporting plate when in its lowered position.

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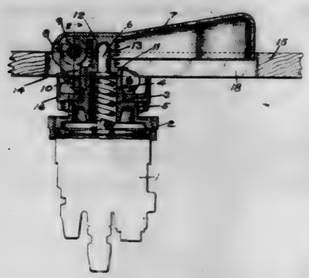
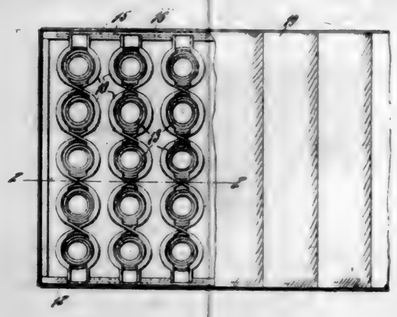
1,558,693. AUTOMOTIVE BRAKE DEVICE. WILLIAM C. MCWHIRTER, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 14, 1923. Serial No. 674,668. 2 Claims. (Cl. 137—139.)



1. The combination with a brake controlling valve device having a flexible diaphragm, a spring acting on said diaphragm, and a movable member for compressing said spring, of a sleeve secured to said valve device and having lugs, and a pedal lever having a lug pivotally mounted between the lugs of the sleeve and provided with a boss having a recess for receiving the end of said movable member.

1,558,694. SPRING-CUSHION CONSTRUCTION. TINE HEATH MACE, Las Cruces, N. Mex., assignor of one-half to R. P. Porter, Las Cruces, N. Mex. Filed Oct. 27, 1924. Serial No. 746,182. 3 Claims. (Cl. 5—264.)



1. In a seat cushion construction involving a plurality of springs, strips arranged in pairs with the strips of each pair passing to the left of one spring and to the right of the adjoining spring and secured together at their points of crossing, the strips being channel shaped in cross section and conformingly receiving the endmost convolutions of the springs, and anchoring means for the ends of the strips.

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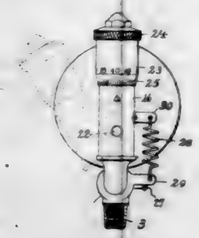
1,558,695. ADJUSTABLE RELEASE VALVE. CHARLES J. MANUEL, Elmsford, N. Y. Filed May 24, 1924. Serial No. 715,663. 2 Claims. (Cl. 137—53.)



2. The combination of a valve body having a threaded plug for screwing into engagement with a compressed gas container, a cock turning in said body having an elbow, a safety valve carried by said elbow and communicating with said cock, a pressure gauge communicating with said cock, said cock having a nipple taking the compressed gas through said valve, the latter having a longitudinal bore, a notch in its normally under surface, a notch in its normally upper surface, and holes from said notches to said bore.

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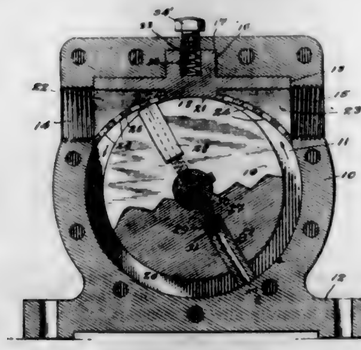
1,558,696. ROTARY PUMP. FRANK MARION, Lebanon, N. H., assignor of one-half to Jamie E. Jacobs, Barre, Vt. Filed Dec. 8, 1922. Serial No. 605,636. 1 Claim. (Cl. 103—136.)

In a device of the character described, a casing having a cylindrical chamber therein, a cylindrical rotor concentrically revoluble therein, having spring-pressed reciprocable vanes therein, said vanes having channels across their outer ends stopping short of the sides of said vanes, having also passages from the channels



through the inner ends of the vanes, an abutment in the chamber, inlet and outlet ports opening on the chamber and of the same width as the channels named,



the ratio between the circumferential measurement of the chamber and the width of the vane being less than the ratio between the linear interior surface measurement of the cylinder within the ends of said ports and the corresponding measurement of the vane.

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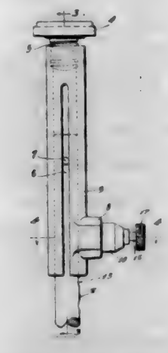
1,558,697. FOOT-PEDAL EXTENSION. GEORGE E. MARTS, Long Beach, Calif. Filed July 22, 1924. Serial No. 727,435. 1 Claim. (Cl. 74—81.)



In a foot pedal extension, the combination of an operating rod, a split hollow rod carrying a pedal telescoped over the first rod and slidable thereon, the first rod having a series of recesses, a dog carried by the hollow rod and provided with an operating handle, a spring yieldingly urging the dog towards the recesses, and a pin on the operating rod guidably engaging the split in said hollow rod.

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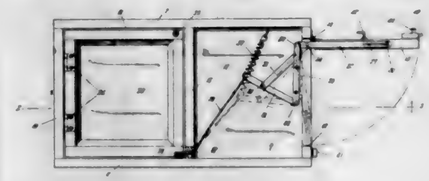
1,558,698. HEN NEST AND TRAP. MANUEL BROWN MATHIAS, Hanford, Calif. Filed Feb. 24, 1925. Serial No. 11,250. 3 Claims. (Cl. 119—49.)

1. A device of the character described comprising a casing having an entrance opening, a door hinged at one edge to the casing to close said opening and arranged to swing open outwardly, a depressible platform within the casing, a lever pivoted to the casing near said edge of the door and extending in the same general direction as the door along one of the edges of the door disposed at an angle to the first-named edge, said lever and second-named edge of the door having a sliding and pivotal connec-



tion, spring means for swinging the door open and means connecting said lever and platform to swing the door closed when the platform is depressed.

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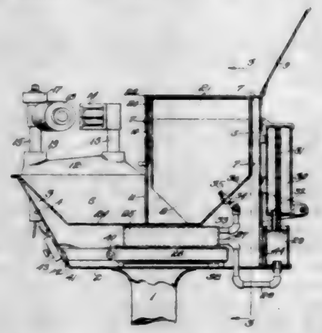
1,558,699. SHOE-BOTTOM-FILLER MACHINE. GEORGE H. MAXWELL, Phoenix, Ariz. Filed Aug. 9, 1923. Serial No. 656,496. 32 Claims. (Cl. 18—1.)



1. In a machine of the kind described, a filler supply reservoir, a heater spaced below said reservoir a short distance sufficient for heating the apparatus speedily at a high heat without danger of burning the filler, a closed water chamber and steam producer between said heater and the bottom of the reservoir, and steam conveying means for conveying the steam from said chamber into the reservoir.

11. In a shoe-bottom filling machine for the rapid handling with high heat of a heat responsive, sticky filler which is normally slowly penetrative by heat and liable to burn at high heat, the combination with a filler supply reservoir adapted to the rapid handling of a mass of said filler and to maintain the filler supported on and above the bottom of said reservoir in a loose, open, non-compressed and non-compacted condition, of heating means arranged to maintain two kinds of heat on the opposite sides of said bottom of said reservoir, namely, a dry heat immediately beneath and in heating contact with said bottom and a wet protective heat immediately above and in protective contact with said bottom and in the adjacent filler mass, all constructed and arranged for safety at high heat and to cause the filler to loosen bottomward and tend to disintegrate downward as distinguished from solidifying and compacting at the bottom.

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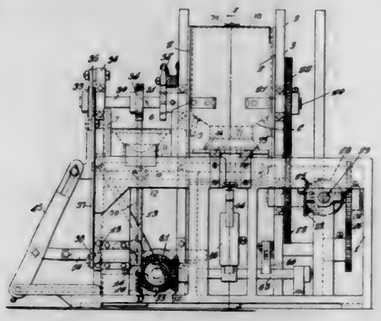
1,558,700. MACHINE FOR HANDLING MILK CANS. WILLIAM N. MERWIN, Waukegan, Ill., assignor to The M. & R. Mfg. Co., Waukegan, Ill. Filed Mar. 3, 1924. Serial No. 696,607. 13 Claims. (Cl. 113—114.)

1. The combination with a movable table for supporting an inverted can and a fixed table for supporting an

inverted cover, of separate means for successively positioning the inverted cover beneath the can and withdrawing the movable table from under the can, and rotatable



means for overturning the container and its cover to a position away from the table and with the cover uppermost.

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1,558,701. RUBBER COMPOUND AND ITS PROCESS OF MANUFACTURE. ERWIN E. A. G. MEYER, Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Mar. 13, 1925. Serial No. 15,406. 6 Claims. (Cl. 18—50.)

3. That method of compounding unvulcanized rubber which consists in milling a batch of unvulcanized rubber composition and adding rubber latex to facilitate the milling.

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1,558,702. CHECK PROTECTOR. ALLEN H. MIDDLESWART, Piqua, Ohio. Filed Dec. 19, 1924. Serial No. 756,914. 7 Claims. (Cl. 101—20.)

1. In a check protecting device the combination of an upper plate provided with a depressed central portion and integral radial arms extending outwardly and upwardly; a plurality of projections disposed near the extremity of each arm; a lower plate contacting with the central portion of said upper plate and provided with a plurality of perforations adapted to register and coact with the projections of each of said arms to cut disks of paper from a check interposed between said upper and lower plates; means to hold said interposed check in contact with said lower plate during the operation of the device; a base member; means to secure together said upper plate, said lower plate and said base member in fixed rigid and unrotatable relation to each other; and means associated with said base member to receive the said disks of paper.

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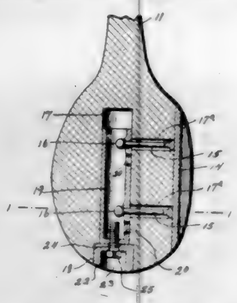
1,558,703. GOLF CLUB. ARNOLD W. MILLER, Lima, Ohio. Filed June 10, 1924. Serial No. 719,179. 6 Claims. (Cl. 273—77.)

1. In a golf club having a head, a face plate for the head having inwardly extending members, and a locking member disposed within the club and movable longitudinally therethrough and adapted, when shifted in one



direction, to lockingly engage said inwardly directed members and, when shifted in the other direction, to release said inwardly directed members.

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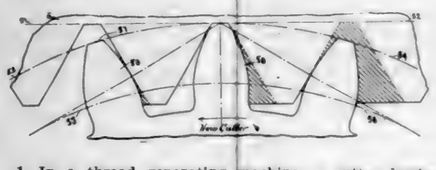
1,558,704. CUTTER FOR GENERATING THREADS AND THE LIKE. EDWARD W. MILLER, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a Corporation of Vermont. Filed Mar. 31, 1923. Serial No. 629,124. 6 Claims. (Cl. 29—103.)



1. In a thread generating machine, a cutter having its cutting edges of an outline similar to the teeth of a spur gear and adapted to generate threads by rolling movement relative to the work, such cutter being formed to roll on a pitch circle approximately coincident with the points of its teeth and on a pitch line in the work approximately coincident with the root of the thread to be cut therein.

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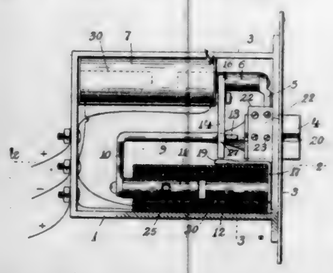
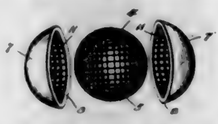
1,558,705. ELECTRIC LOCK. JOSEPH H. MILLIGAN, East Holliston, Mass. Filed Apr. 5, 1924. Serial No. 704,394. 3 Claims. (Cl. 75—50.)



1. An electric lock comprising a bolt, a solenoid having a plunger therein adapted when the solenoid is energized to throw the bolt, and a pivoted latch adapted to engage and retain said bolt at an end of its throw, a portion of said latch being adapted to be attracted by said plunger when the solenoid is energized and thereby to release the bolt from the latch.



1,558,706. GOLF BALL. HARVEY F. MITTEL, Providence, R. I., assignor, by mesne assignments, of one-half to The Golf Ball Corporation of America, Wilmington, Del., a Corporation of Delaware. Filed Oct. 6, 1922. Serial No. 592,751. 3 Claims. (Cl. 273—62.)



1. A golf ball composed solely of a vulcanized spherical centre and an outer shell covering of balata, the two being permanently united by a multiplicity of interengaged integral portions thereof whereby the two are rendered relatively non-movable in use.

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1,558,707. RUBBER VULCANIZATION AND PRODUCT THEREOF. STUART B. MOLONY, Wellesley Hills, Mass., assignor, by mesne assignments, to R. T. Vanderbilt Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 20, 1919. Serial No. 346,307. 27 Claims. (Cl. 18—53.)

10. The process of accelerating the vulcanization of rubber comprising vulcanizing the same in the presence of thiuramdisulphide.

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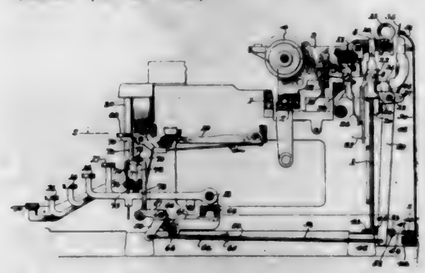
1,558,708. TYPEWRITING MACHINE. LEWIS C. MYERS, Freeport, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed May 15, 1924. Serial No. 713,525. 15 Claims. (Cl. 197—176.)



1. Tabulating mechanism for typewriting machines comprising a stop bar, a plurality of removable stops adapted to be placed manually on said bar at desired letter space positions while said bar retains its normal position, a plurality of key actuated stops cooperating therewith, and fixed means adjacent said key actuated stops indicating the position in which an adjustable stop should be set to stop the carriage at the position which it then occupies.

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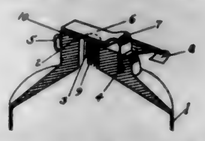
1,558,709. SELF-CLOSING TOP FOR CONTAINERS. WILLIAM C. NENSTIEHL, Wilmington, Del. Filed Jan. 26, 1925. Serial No. 4,785. 1 Claim. (Cl. 221—60.)



The combination with a container having an outlet hole in the top thereof and a slot in the top adjacent said hole, of a valve having a depending spring with a projection on the end thereof and a lever all constructed in one piece of sheet metal, the valve being mounted on the top of the container and adapted to move away from the outlet hole, said spring being bent downward between the valve and the lever, the projection end of the spring extending downward into said slot, and the outside wall of the container top adjacent the slot being clinched over the projection on the end of the spring thereby holding the valve fast and normally in a closed position.

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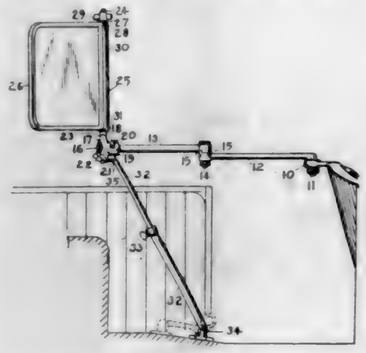
1,558,710. WINDSHIELD FOR AUTOMOBILES. THEODORE B. NISBET, Irvington, N. Y. Filed Mar. 12, 1921. Serial No. 451,686. 9 Claims. (Cl. 296—85.)



1. The combination of a pair of folding, horizontally extensible arms embodying sections which are mutually associated for relative movement, a sleeve rotatably mounted on each arm, and a transversely disposed windshield carried by and connecting the sleeves and movable therewith around the axes of the arms from an erect to a pendent position in respect to said axes when the sleeve bearing portions of the arms are in substantial alignment, and means associated with the sleeves for co-operating with certain sections of the arms when the wind shield is in erect position, and for co-operating with other sections of the arms when the wind shield is in pendent position, to retain the wind shield, respectively, in its erect and pendent positions.

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1,558,711. HOLDER FOR THE BLADES OF SHAVING APPARATUS. CARL NITTINGER, Breslau, Germany. Filed Feb. 28, 1925. Serial No. 12,404. 1 Claim. (Cl. 30—25.)

A holder for blades of shaving apparatus comprising in combination with blades having holes at the middle, a handle having a reduced blade receiving portion provided at the inner end with a transverse set of longitudinally disposed substantially segmental bearing lugs undercut to present inclined lower faces, a nose arranged at one corner of the outer end of the reduced portion, and transversely tapered and undercut at the inner side to present an inclined face set diagonally by the taper of the nose, studs mounted on the reduced portion of the handle at one of the longitudinal edges of the same and a highly resilient cover plate provided at one of its edges with recesses to receive the said studs, said cover plate being provided at its inner end with substantially segmental recesses having bottom walls and conforming to the configuration of the segmental lugs and engaged beneath the same, the segmental lugs forming pivots or bearing to permit the cover plate to swing transversely of the handle in the plane of the adjacent face

of the reduced portion thereof, the outer end of the cover plate being frictionally engaged with the nose and maintained in such engagement by the resiliency of the cover plate.

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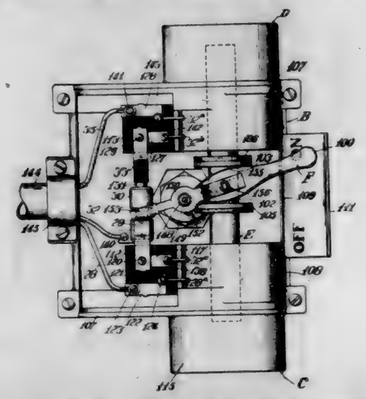
1,558,712. SWITCH-OPERATING MECHANISM. PAUL B. PARKS, Oak Park, and JOHN VAN VULPEN, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Original application filed May 19, 1923, Serial No. 640,133. Divided and this application filed Apr. 18, 1924. Serial No. 707,434. 15 Claims. (Cl. 200—100.)




1. In combination with a rotary member, a lever carried by said member and a circuit breaker comprising a fixed contact, a revolubly mounted longitudinally movable cylindrical contact, and means on said lever which engages said movable contact so as to revolve it while moving it longitudinally.

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1,558,713. SAFEGUARDING AGAINST AERIAL ATTACKS. JOSEPH A. STEINMETZ, Philadelphia, Pa. Filed Nov. 3, 1923. Serial No. 672,539. 5 Claims. (Cl. 244—1.)

1. The method of defending against aerial attack which consists in releasing at intervals from moving aircraft a series of parachutes each supporting far below a contact bomb by means of a cable transverse to both the direction and probable plane of attack to form a slowly descending barrage of aerial bombs.

1,558,714. METHOD OF SURFACING. HERBERT R. STRATFORD, Cleveland, Ohio, assignor to the Stratmore Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 15, 1924. Serial No. 756,082. 2 Claims. (Cl. 51—278.)

1. In a method of surfacing metal panels, the steps which consist in forcing against a relatively small portion of the metal surface a flexible and yieldingly supported abrasive disc with a force sufficient to flex said disc and then rotating such abrasive disc at a speed higher than that causing heating of the metal to the warping temperature but below the speed at which the abrasive disc is converted into a non-yielding element by the action of centrifugal force.

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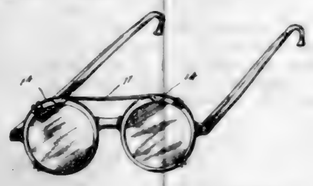
1,558,715. ATTACHMENT FOR OPHTHALMIC MOUNTINGS. LEOPOLD STRAUSS, New York, N. Y., assignor to Optical Products Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 30, 1924. Serial No. 746,766. 5 Claims. (Cl. 88—41.)



1. An attachment for ophthalmic mountings, comprising a pair of supplemental lenses, a spring bridge member connected at its opposite end portions to their upper edges and normally tending to bow outwardly each lens having engaging members at its outer edges adapted to be clamped by tension of said bridge onto the permanent mounting.

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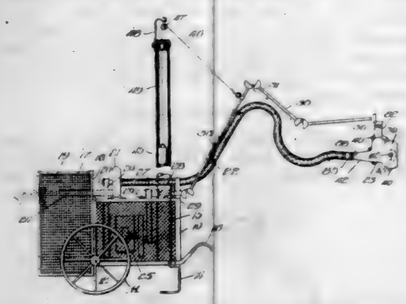
1,558,716. COTTON PICKER. LOUIS CARROLL STUKENBORG, Chicago, Ill., assignor, by mesne assignments, to Stukenborg Corporation, Wilmington, Del., a Corporation of Delaware. Filed June 25, 1918. Serial No. 241,745. 28 Claims. (Cl. 56—13.)



1. A cotton picker comprising a manually manipulated head, interacting picker and fibre loosening mechanism therein, constructed to comb and loosen the cotton locks, to segregate them and their adhering seeds from each other and loosen boll dirt therefrom to produce a fluffy seed cotton, said mechanism including oppositely disposed, coacting, rotative, picker means arranged to rotate rearwardly at their coacting sides, a foraminated element, and pneumatic means connected to the head to carry the cotton rearwardly from the head constructed to deliver the cotton and loosened boll dirt against said foraminated element.

26. In a cotton picker, a picker head embracing a casing having an open mouth, interacting picker means at said mouth for engaging the cotton boll, and means carried by the head for opening unopened burs.



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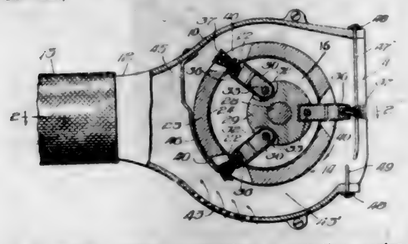
1,558,717. COTTON PICKER. LOUIS CARROLL STUKENBORG and GEORGE H. HANDY, Chicago, Ill., assignors, by mesne assignments, to Stukenborg Corporation, Wilmington, Del., a Corporation of Delaware. Filed Oct. 3, 1919. Serial No. 328,272. 14 Claims. (Cl. 56—32.)



1. A cotton picker comprising a rotative series of bristle brushes adapted for contact with cotton bolls, a rotative member to which said brushes are connected to advance the brushes toward and cause them to recede from picking positions and hollow rotative stripper means enclosing and axially eccentric to and co-operating with the moving brushes to strip the cotton therefrom.

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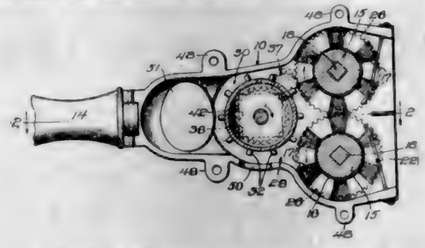
1,558,718. COTTON-PICKER MECHANISM. LOUIS CARROLL STUKENBORG, Chicago, Ill., assignor, by mesne assignments, to Stukenborg Corporation, Wilmington, Del., a Corporation of Delaware. Filed Sept. 4, 1920. Serial No. 408,280. 6 Claims. (Cl. 56—32.)



1. A cotton picker head comprising a casing having a mouth formation and a pneumatic outlet, picker means at the mouth and a rotative take-off shell in the casing in rear of the picker means and having external, relatively fixed, formations to remove cotton from the picker means and terminating at its ends closely adjacent to opposing casing walls and bearings carried by said casing walls for the take-off device, said take-off device having endwise hollow extensions to axially overlap said bearings.

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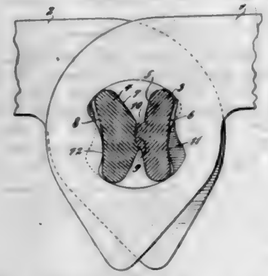
1,558,719. CHAIN AND PARTS THEREFOR. HAROLD E. STURTEVANT, Hartford, Conn., assignor to The Whitney Mfg. Co., Hartford, Conn., a Corporation of Connecticut. Filed Nov. 15, 1923. Serial No. 674,815. 3 Claims. (Cl. 74—32.)

1. In a chain of the link type, a pin comprising two members each having concave and convex surfaces and placed with their convex surfaces adjacent each other, rounded projections on the chain links engaging the concave surfaces of said members, one of said members having a concave portion on its convex side and the other of said members having a convex portion engaging the concave portion of the other, whereby said members are articulated one with the other.



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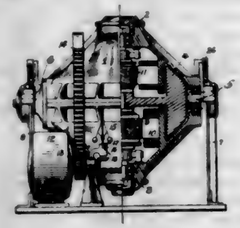
1,558,720. CONTROLLING AND BRAKING DEVICE FOR SHIPS' GYROSCOPES. HERBERT H. THOMPSON, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed July 23, 1917. Serial No. 182,189. 35 Claims. (Cl. 74—78.)



28. In a ship stabilizing apparatus, the combination with a moving part to be accelerated and retarded during a rolling cycle, of a fly wheel, and means for utilizing the energy generated in retarding said part for rotating said fly wheel.

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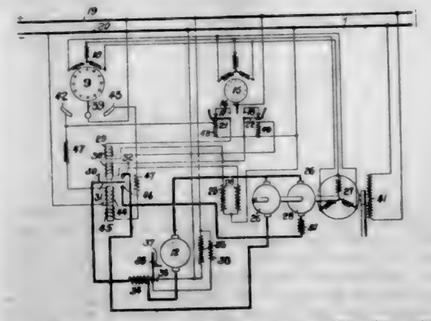
1,558,721. GYROSCOPIC STABILIZING SYSTEM. HERBERT H. THOMPSON, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 13, 1920. Serial No. 373,659. 24 Claims. (Cl. 74—78.)



16. In a gyroscopic stabilizer, the combination with the rotor, of a substantially constant speed motor spinning said rotor, an electric power plant for driving said

motor, a second motor for controlling the precession of the gyroscope driven from said power plant, said motors and power plant being adapted either to absorb or to utilise said rotor to equalise the total energy of the system.

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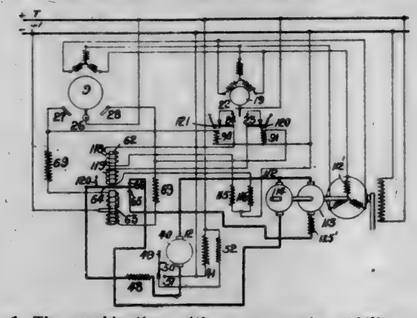
1,558,722. CONTROLLING AND BRAKING DEVICE FOR SHIPS' GYROSCOPES. HERBERT H. THOMPSON, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Continuation of application Serial No. 182,189, filed July 23, 1917. This application filed Aug. 31, 1922. Serial No. 585,407. 7 Claims. (Cl. 74—78.)



1. The combination with a gyroscopic stabilizer, of a spinning motor and a precession motor therefor, a generator for each of said motors, a common means for rotation of said generators, and means varying the relative field strengths of the precession motor and its generator for causing said motor to assist the prime mover during a predetermined portion of the precessional cycle.

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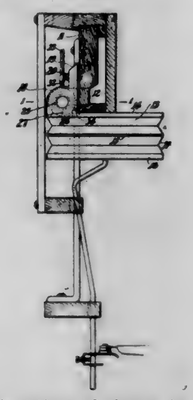
1,558,723. PNEUMATIC ACTION OF MECHANICAL PLAYERS FOR MUSICAL INSTRUMENTS. HENRY THOMSON, Waverley, near Sydney, New South Wales, Australia. Filed Jan. 4, 1922. Serial No. 526,894. 8 Claims. (Cl. 84—53.)



1. In pneumatic actions of players for musical instruments, an operating pneumatic having a plate constituting a fixed wall thereof arranged with an integral laterally extending casing arranged with a valve chamber therein in communication with the pneumatic through an opening in the plate, a diaphragm chamber arranged in said casing, alined openings in opposite walls of the casing one of said openings communicating with the diaphragm and valve chambers of the casing and the other in open communication with the valve chamber and atmosphere, and a valve in the valve chamber connected with the diaphragm through the opening connecting the diaphragm and valve chambers to control said openings and operative to connect the pneumatic with the diaphragm chamber and to shut the pneumatic off from the atmosphere or to connect the pneumatic with the atmosphere and shut it off from the diaphragm chamber for the purpose specified.

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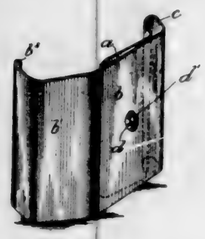
1,558,724. HOLDING MEANS FOR DOORS AND THE LIKE. JOHN ISAAC THORNYCROFT, Bembridge, Isle of Wight, England. Filed Nov. 23, 1921. Serial No. 517,243. 4 Claims. (Cl. 292—76.)



1. A door holding device comprising a strip of springy material bent upon itself and forming two adjacent laterally displaced side portions connected together by an intermediate loop portion, one of the side portions being flat throughout its length and adapted to be fixed to the side of a door frame and the other portion, which is adapted to form a striking plate, is of greater width than the said flat portion and consists of two integral parts one of which adjacent to the loop portion, is flat and the other of which, extends beyond the free edge of the first mentioned portion and is bent laterally in the direction of and so as to overlap the free edge of the first mentioned side portion and also the edge of a door to which such side portion is attached, substantially as described.

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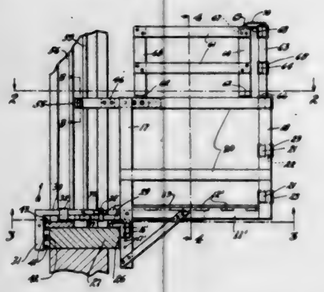
1,558,725. WINDOW STAGING. FRANK A. UPHAM, Oelwein, Iowa. Filed Oct. 25, 1924. Serial No. 745,778. 11 Claims. (Cl. 304—26.)



1. A window staging comprising sections adjustably connected together, vertically extending post members at the front of each staging section adapted to engage the outer face of a window ledge and means on said post members comprising vertically adjustable brackets and pivotally mounted arms for supporting the staging from a window frame and ledge, substantially as described.



1,558,726. COLLAR. JOHN MANNING VAN HEUSEN, Boston, Mass., assignor to Van Heusen Products, Inc., a Corporation of Delaware. Filed July 23, 1921. Serial No. 486,934. 12 Claims. (Cl. 189—384.)

8. A foldable article of wearing apparel made of woven integral fabric comprising at least two plies, there being, when said article is laid flat, a bulged or convexed zone on the outer surface of the fold area thereof, but not on the inner surface of said fold area, whereby the said article has a tendency to fold at and along said bulged or convexed zone.

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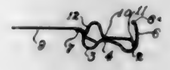
1,558,727. SCREEN FRAME AND SHOE FOR SUPPORTING THE SAME. JOHN O. WAGNER, Chicago, Ill. Filed Nov. 1, 1922. Serial No. 598,237. 2 Claims. (Cl. 156—14.)



1. In a screen frame, a frame member having an intermediate raised fulcrum, an outer arcuate flange with an inwardly extending lip and an inner curved or sloping portion provided with a marginal lip, and a rockable member within said frame member having an intermediate fulcrum resting upon the fulcrum of said frame member, and having an arcuate outer edge in slidable engagement with said arcuate flange and a flanged inner edge adapted to be wedged within said curved portion of said frame member for the purpose described.

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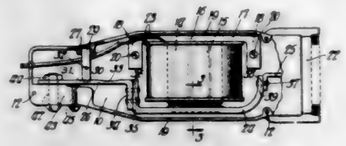
1,558,728. CAR-WINDOW SCREEN. JOHN O. WAGNER, Chicago, Ill. Filed Feb. 19, 1923. Serial No. 619,785. 2 Claims. (Cl. 156—14.)

2. The combination with a screen having lateral guideways, of guides for cooperating with said guideways, one of said guides being hollow, and a strut pivoted in said hollow guideway and swingable therebeyond for latching the screen in elevated position.

1,558,729. CLIPPER. LEO J. WAHL, Sterling, Ill. Filed Apr. 7, 1924. Serial No. 704,701. 6 Claims. (Cl. 175—338.)



1. In a device of the character described, a vibratory member comprising an armature, a resilient member secured to one end of said armature and an arm secured to the other end of said armature, said vibratory member being offset between the ends thereof, the joint between said armature and said resilient member lying in one of the offsets to stiffen the same.

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1,558,730. TOY. FRED WEINBERG, Schenectady, N. Y. Filed Apr. 14, 1922. Serial No. 552,606. 5 Claims. (Cl. 46—45.)

1. In a toy, the combination of spaced side plates adapted to be rotated, a counterbalanced figure of lesser dimensions than the side plates pivoted in the space between them to one side of the center of the plates, the pivot for the figure being eccentric of the figure and sufficiently close to the periphery of the plates that in one position the figure projects partly beyond the periphery of the plates, and stop means which prevents said figure from turning on its pivot beyond a predetermined amount.

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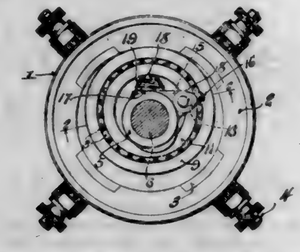
1,558,731. RETAINING DEVICE. FLOYD G. WITHROW, Grand Rapids, Mich. Filed Sept. 2, 1925. Serial No. 54,166. 1 Claim. (Cl. 287—96.)

In combination with a carburetor throttle lever and a throttle rod having an end portion turned to pass downwardly through an opening in the end of said lever, said end portion of the rod being provided with a transverse opening through it, of a retaining device formed from a single piece of wire located alongside of the throttle rod and formed at one end with a hook to engage said throttle rod, the opposite end of the device being bent back upon itself and formed with an out-turned terminal section passing through said opening in the down-turned end of the throttle rod.

1,558,732. TIMER. HARRY W. YOUNG, Milwaukee, Wis. Filed Aug. 14, 1923. Serial No. 657,317. 4 Claims. (Cl. 200—36.)



3. A timer comprising a casing provided with a stationary insulating ring having a plurality of contacts carried thereby, a shaft projecting into said casing, a hub secured to said shaft having a pair of spaced integral ears projecting therefrom, an inner ring provided with a raceway and having an apertured inwardly projecting enlarged portion, said inner ring having a lateral notch adjacent said enlarged portion and leading into said raceway, a pintle pin directly joining the enlarged portion of said inner ring with the projecting ears of said hub with one of said ears closing said notch, an outer ring surrounding said inner ring and provided with a raceway, a plurality of balls positioned between said raceways, and a spring urging a portion of said inner ring outwardly from said hub.

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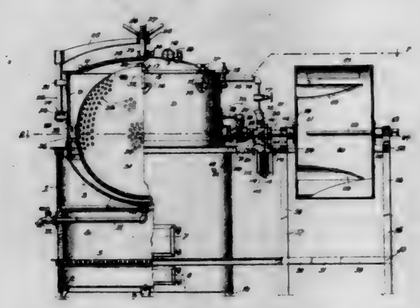
1,558,733. WASHING MACHINE. HERMAN I. LIPPARD, Philadelphia, Pa. Filed Jan. 17, 1923. Serial No. 613,195. 4 Claims. (Cl. 68—16.)



1. In a washing machine the combination of a steam-preasure boiler adapted to receive a quantity of water; means for heating said boiler to generate steam from the water; a clothes receptacle mounted for oscillatory movement in said boiler; and an engine operatively connected to the clothes receptacle for oscillating the receptacle, said engine being connected to the boiler for operation by the steam generated therein.

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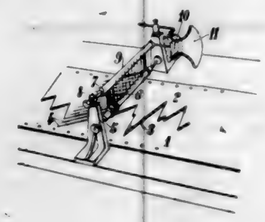
1,558,734. PROCESS FOR THE REPRODUCTION OF THE RECORDED DISPLACEMENTS OR VIBRATIONS OF A MEDIUM SUCH AS AIR. WILLIAM ARTHUR LOTH, Paris, France, assignor to Société Industrielle des Procédés W. A. Loth, Paris, France. Filed Jan. 3, 1922. Serial No. 526,834. 3 Claims. Cl. 274—5.)

2. In the installation for the reproduction of movements to which a medium such as air is subjected, a movable surface on which the diagrammatic tracing showing the movements divides the said surface into parts of relatively different heights, the projecting part having a progressively decreasing height from one to the other edge of the surface, parallel needles whose ends engage with the parts of the movable surface, an



axis arranged transversely to said movable surface, rods extending the needles beyond their pivot point on the common axis, a reproducing diaphragm, and an intermediate axis arranged transversely with respect to the film, pivoted at one of its ends and the other end acting on the reproducing diaphragm.

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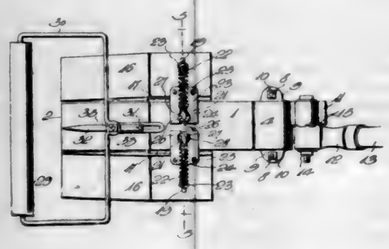
1,558,735. BARK-REMOVING TOOL. ARTHUR R. MCARTHUR, Newport, Wash. Filed May 1, 1924. Serial No. 710,405. 9 Claims. (Cl. 144—208.)



1. A bark removing tool comprising a blade adapted to be moved longitudinally of a log and curved transversely of its line of movement, said blade being formed of a plurality of longitudinally disposed angularly related sections, and connecting means between said sections adjustable to vary their angular relation, thereby allowing varying of the blade curvature according to the circumferential curvature of the log from which bark is to be removed.

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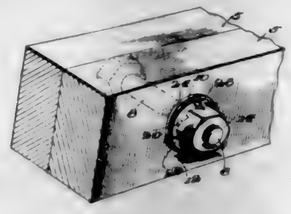
1,558,736. LOCK WASHER. JOHN ALEXANDER MCCOY, Weed, Calif. Filed Aug. 4, 1923. Serial No. 655,583. 1 Claim. (Cl. 151—33.)

A combination locking washer of the character described, comprising a rigid split washer, a relatively thin washer of ductile metal superposed thereon and permanently secured thereto at a single point, and both of said washers having a central opening for mounting on a bolt, one end of said split washer bent downward obliquely and tapered to a knife edge adapted to bite into and imbed in the work to prevent retrograde rotary movement of said washer, said split washer also having radial V-shaped notches in its outer face, a nut carried on the bolt and having similar radial notches on its inner face adapted for alinement with the notches of the rigid washer, whereby portions of the ductile washer may



be upset into locking engagement with the notches of the rigid washer and the nut, the periphery of the ductile washer disposed entirely within the periphery of the



rigid washer whereby to protect said ductile washer from accidental blows, and also facilitate the use of the tool used to upset said ductile washer.

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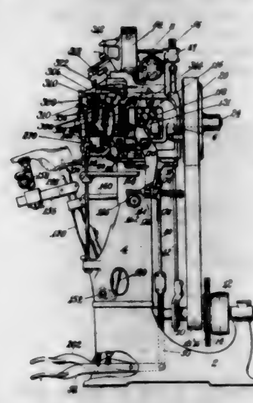
1,558,737. LASTING MACHINE. RONALD F. MCFEELY, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 16, 1916, Serial No. 115,230. Renewed May 24, 1922. Serial No. 563,369. 137 Claims. (Cl. 12—4.)



6. A machine of the class described having, in combination, end lasting wiper plates for closing over a last bottom, manually operable means determinately to adjust the positions of the wiper plates to initially position the wiper plates to act on the marginal portions at the end of a shoe upper mounted on the last, means to effect bodily and swinging movement of the wiper plates to wipe said marginal portions over the bottom of the last into position to be fastened on the bottom of the last, and tacking units co-operating with the wiper plates and having means to maintain them in predetermined relation to the wiper plates in all positions of adjustment of said plates.

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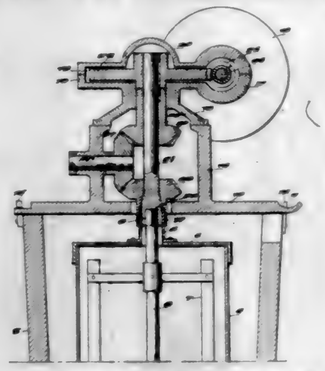
1,558,738. DRIVING APPARATUS FOR ICE-CREAM FREEZERS. JOHN B. MCFERRAN, Jr., Louisville, Ky. Filed Apr. 22, 1924. Serial No. 708,140. 2 Claims. (Cl. 74—7.)

1. In driving mechanism for ice cream freezers, a gear case having an open top, a cap on said top, a vertical shaft extending through the gear case into the top, a loose gear journaled on the lower end of the shaft in the gear case, a gear fixed to the shaft within the gear case, a reversing gear in the gear case in mesh with the fixed



and loose gears, a gear fixed to the upper end of the shaft within the cap, and a motor having a gear element in mesh with the gear in the cap.

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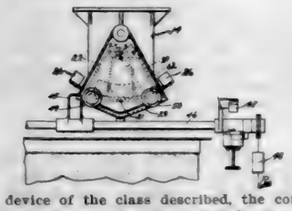
1,558,739. COAL BUNKER. ROY A. MCMULLIN, Boston, Mass., assignor to Stephens-Adamson Mnfg. Co., a Corporation of Illinois. Filed Apr. 15, 1925. Serial No. 23,417. 8 Claims. (Cl. 214—41.)



1. In a device of the class described, the combination of a spout, a gate including two pivotally mounted sections connected to rotate simultaneously in opening and closing the spout, a pivotally mounted drip pan extending beneath the gate, and a lost motion connection between the drip pan and each of the gate sections.

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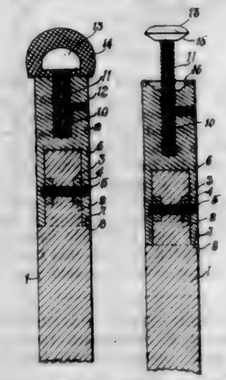
1,558,740. POOL-CUE TIP. HOWARD A. MALLORY, Cooperstown, N. Y. Filed Mar. 30, 1925. Serial No. 19,325. 3 Claims. (Cl. 273—70.)



1. In a cue, a shaft, a head mounted thereon, a tip detachably mounted on the head consisting of a threaded member threaded in the head, a retaining head and a

yielding covering on the retaining head to form the cue tip, said covering being enclosed at the bottom between the bottom of the retaining head and the end of the cue head.

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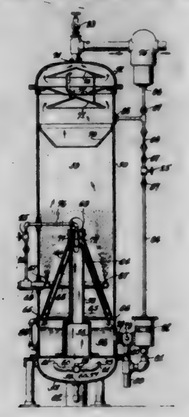
1,558,741. SYSTEM OF DEHYDRATION. JOSEPH A. MARTOCELLO, Philadelphia, Pa. Filed Nov. 14, 1923. Serial No. 674,749. 21 Claims. (Cl. 183—23.)



1. In a dehydrator, an air cooler having one stage of cooling and dehydration out of direct contact with brine but in contact with walls of a brine pool to approximately the frosting point and a subsequent stage in direct contact with brine below the frosting point through a brine spray.

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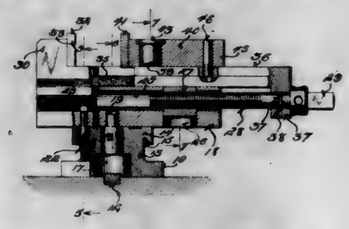
1,558,742. COMBINATION MACHINE VISE. ALEXANDER MASZCZYK, Chicago, Ill. Filed Mar. 23, 1923. Serial No. 626,997. 1 Claim. (Cl. 81—33.)



A machine vise comprising a bed-plate having a table integral therewith, a stud carried by said table, a vise bed pivoted upon said stud, locking means for temporarily holding said vise bed and table together, said vise bed having a movable slide adjustably carried thereby, a stud projecting upwardly from said slide and rigid therewith, a block having a clamping face and pivotally mounted upon said stud with the stud closely adjacent said clamping face, said block having a rearward extension, said extension and said slide having registering apertures, a screw passing through said apertures, and a stationary gripping jaw carried by said vise bed.

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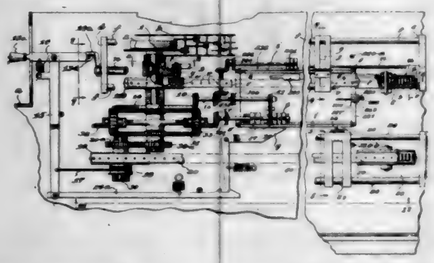
1,558,743. ELAPSED-TIME CALCULATOR AND PRINTER. MERLE E. MERRIMAN, Deer Park, Ohio. Filed Sept. 5, 1922. Serial No. 586,172. 12 Claims. (Cl. 234—43.)

2. In an apparatus for the purpose specified, the combination of a time keeping instrumentality, a time expression instrumentality controlled thereby, a pattern, means for recording the beginning time and quitting time of a working period on the pattern, a pattern forming mechanism for marking the pattern in accordance with the beginning time, a differential driving mechanism connecting the time expression instrumentality and the time keeping instrumentality whereby the former normally expresses current time, means for reversing the movement of said differential driving mechanism which includes a movable band and a pattern follower carried



thereby, whereby the pattern follower engages the mark on the pattern made by the pattern forming mechanism to limit the reverse movement of said differential when the same has been reversed an amount equal to the beginning time, for the purpose of subtracting the beginning time from the quitting time to calculate the elapsed time, and a spring for returning the band thereby returning the time expression instrumentality to normal position for again expressing current time.

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1,558,744. EYEGLASSES OR SPECTACLES. EVERMONT BLEVINS MINER, Portland, Oreg. Filed Apr. 6, 1923. Serial No. 630,381. 1 Claim. (Cl. 88—48.)

In combination with a pair of lenses, posts connected with the lenses, a bridge bar connecting the posts, nose grips carried by the posts and supporting devices for the lenses, a combined brace and positioner including a substantially rigid bar extending from one lens to the other and rigidly and positively connected at its ends with the lens, said bar having a portion intermediate its ends engageable with the nose for holding the lenses rigidly in position and always at the same angle with the eye, said combined brace and positioner being substantially rigid and being rigidly and positively connected with the posts.

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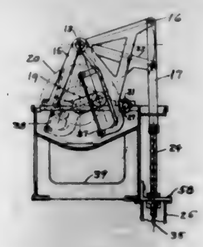
1,558,745. PUMPING APPARATUS. THEODORE R. MINERT, Milwaukee, Wis. Filed Feb. 5, 1923. Serial No. 617,073. 1 Claim. (Cl. 74—14.)

A pumping apparatus comprising in combination, an oil receptacle formed by a supporting frame, a plurality of parallel webs formed therein, a crankshaft journalled to revolve in bearings thereon, vertical side frames mounted thereon, carrying the horizontal supporting shaft of the bell cranks, a plurality of rocking bell cranks coaxially arranged on said shaft, a plurality of crank pins on said crank shaft arranged diametrically opposite slidably and pivotally connected to the vertical arms



of said bell cranks, a plurality of plunger pump shafts pivotally connected to the other end of said bell cranks by means of connecting rods, actuating means whereby



said crank shaft is rotated, and said plunger pump shafts are made to reciprocate together in one direction a small part of each stroke and alternately the remainder of each stroke.

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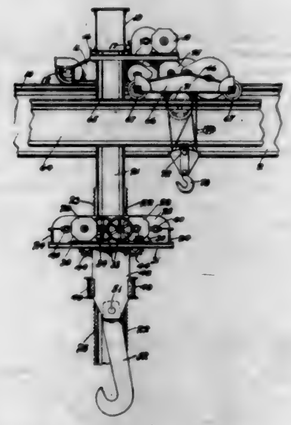
1,558,746. TRAVELING CRANE. GEORGE EDWARD MOORE, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Feb. 11, 1924. Serial No. 691,955. 17 Claims. (Cl. 212—130.)



1. A crane comprising a bridge, a trolley mounted to traverse the bridge in a direction at right angles to the movement of the bridge, spaced apart depending supporting members depending from the trolley between the ends thereof, a vertically movable carriage mounted on and extending horizontally between said members for vertical movements, and means for moving said vertically movable carriage up and down on said members, substantially as and for the purposes described.

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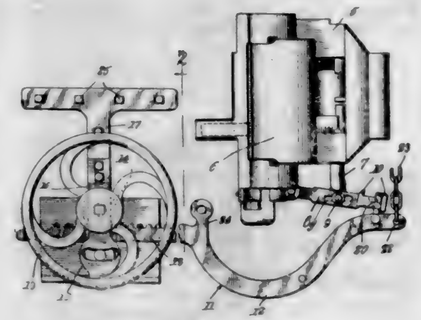
1,558,747. CAR COUPLING. ALBERT AUGUSTUS MOSS, Newark, N. J. Filed June 25, 1924. Serial No. 722,347. 1 Claim. (Cl. 213—159.)

The combination with a car coupler having a vertically movable operating bar of an operating mechanism including a supporting bracket, said supporting bracket including spaced bars, said spaced bars having elongated curved openings, a roller mounted within the openings, a laterally movable arm having teeth formed along the upper edge thereof and resting on the roller, and a pinion mounted between the spaced bars and co-



operating with the teeth of the laterally movable arm to move the laterally movable arm, and means for connecting the arm to the coupler to operate the vertically movable operating bar.

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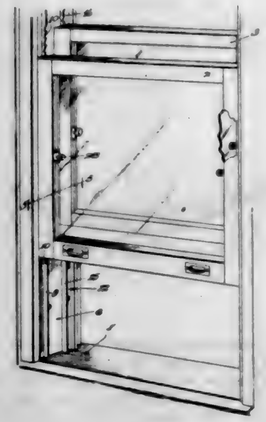
1,558,748. WINDOW-SASH HOLDER. WILLIAM S. MUCK, Dickson, Pa., assignor to James F. Arthur, Dickson, Pa. Filed Sept. 24, 1924. Serial No. 739,586. 3 Claims. (Cl. 292—175.)



1. The combination with a window frame and sashes mounted thereon, said sashes being provided in the outer edges of their stiles with longitudinal grooves, of rack members comprising strips secured to the inner faces of the stiles of the frame and having outstanding toothed flanges, the flanges of the rack members engaging in the grooves in the sashes and constituting means for guiding the sashes, the strips constituting

smooth surfaces along which the edges of the stiles of the sashes are to move, and pawls upon the sashes coacting with the racks.

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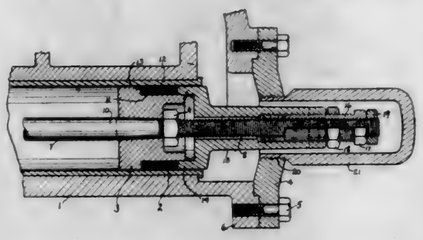
1,558,749. ADJUSTABLE PUMP PISTON. ROBERT A. MUELLER, Houston, Tex. Filed Apr. 20, 1925. Serial No. 24,638. 8 Claims. (Cl. 74—109.)



1. In a pump, a cylinder, a cylinder head detachably mounted thereon, a piston rod, a piston on said rod in said cylinder, a seat on said piston, a packing ring in said seat, a follower plate on one end of said piston bearing slidably against said ring, a sleeve on said plate adapted to extend through an opening in said cylinder head, and a nut on said piston rod having a threaded engagement with said rod and said sleeve, and adapted to be rotated to slide said plate against said packing ring without rotating said plate.

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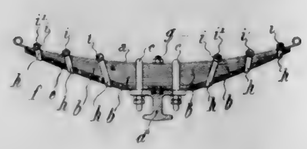
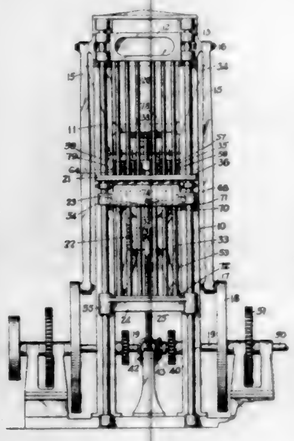
1,558,750. SHOCK-ABSORBING MEANS. MARCEL CHARLES ERNEST MULOT, Paris, France. Filed Oct. 13, 1922. Serial No. 594,232. 11 Claims. (Cl. 267—47.)



1. A leaf spring comprising a series of laminæ of different lengths, means for holding said laminæ together, said laminæ being so arranged that said spring has a portion of a wedge shape, the said spring including a relatively compressible portion and annular means connected to the said spring and adapted to embrace the laminæ thereof and to press them together, the said annular means being inclined to the longitudinal axis of the said spring when the said spring is in its normal position and being so connected to the said spring that said means are adapted to partake of a turning movement when the said spring is distorted from its normal position, said annular means being adapted to increase the compression of said compressible portion when their angle to the longitudinal axis of said spring is increased, said annular means being rigidly connected to the lower part of said spring.

1,558,751. CORK-PACKING MACHINE. JULIUS NUBSKE, Jr., Brooklyn, N. Y., assignor to L. Mundet & Son, Inc., Brooklyn, N. Y., a Corporation of New York. Filed May 28, 1924. Serial No. 716,288. 26 Claims. (Cl. 18—5.)



1. In a machine of the character described, a tube, a plunger adapted to enter said tube for compressing the material therein, and positively acting means operatively connected to said tube and independent of said plunger for withdrawing said tube and the contents thereof axially of and away from said plunger.

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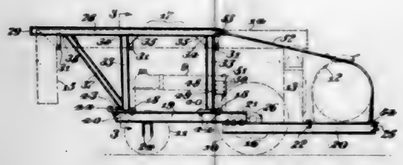
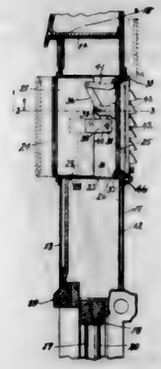
1,558,752. TRACTOR-ATTACHMENT FRAME. JOSEPH S. OECHSLE, Philadelphia, Pa., assignor to The Metalweld Service Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 19, 1925. Serial No. 16,693. 6 Claims. (Cl. 180—1.)



1. A tractor attachment comprising a framework of spaced longitudinal I-beams with integrally welded transverse channels with means for securing said framework to the tractor front suspension and rear axle housings, in combination with a removable superstructure of I-section longitudinals and spaced integrally welded verticals, said longitudinals being connected at the forward end by an interfitted channel section welded thereto, I-section braces welded intermediate the longitudinals and forward verticals, spaced stirrup straps transversely intermediate the longitudinals integrally joined to the flanges thereof, foot plates weldingly attached to the lower ends of the verticals, and means whereby the footplates are attached to the framework top flanges.



1,558,753. WINDOW ARRANGEMENT FOR SLEEPING CARS. PETER PARKS, Chicago, Ill., assignor to The Pullman Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 23, 1923. Serial No. 658,970. 10 Claims. (Cl. 105—314.)



1. In a railway car, a vertically movable window in the side wall of said car, an upper window and means for mounting said upper window in said side wall above the movable window for moving the same laterally of said wall.

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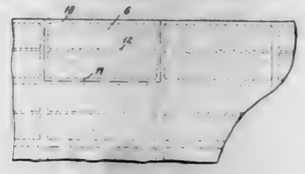
1,558,754. CUFF. ISAAC L. PHILLIPS, New York, N. Y., assignor, by mesne assignments, to Van Heusen Products, Inc., a Corporation of Delaware. Filed Sept. 14, 1921. Serial No. 500,611. 2 Claims. (Cl. 139—407.)



1. A cuff fabric composed of multiple ply interwoven fabric having therein a series of narrow longitudinal and transverse tubular portions which indicate the outline or edge portions of a plurality of cuff blanks and along which tubular portions the cuff blanks are cut out; the main portions of the cuff blanks being multiple ply interwoven fabric and the tubular portions being of sufficient width to provide a divided edge suitable for edge binding purposes on each of the cuff edges formed by cutting along the said tubular portions.

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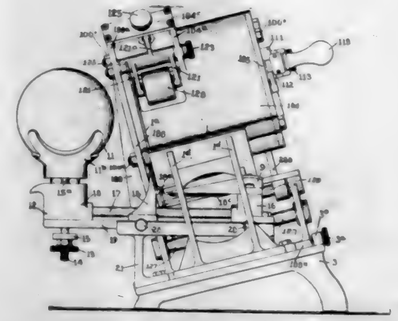
1,558,755. PORTABLE POSTAGE-METER MACHINE. ARTHUR H. PITNEY, Stamford, Conn., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Filed June 22, 1923. Serial No. 647,143. 48 Claims. (Cl. 101—91.)

1. In a machine of the character specified, a frame, a meter drum rotatably mounted upon said frame, a printing surface on said drum adapted to print stamps, a register in the drum, and gearing whereby the register



is actuated at each rotation of the drum in accordance with the denomination of the stamp printed.

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1,558,756. INDEX GUIDE. JAMES H. RAND, North Tonawanda, N. Y., assignor to Rand Kardex Company, Inc., North Tonawanda, N. Y., a Corporation of Delaware. Filed Dec. 26, 1923. Serial No. 682,646. 7 Claims. (Cl. 129—6.7.)

1. In an index device the combination with a receptacle for record sheets, of a plurality of guides for spacing said sheets, the portions of the guides toward the open side of the receptacle being of flexible material and the portions toward the opposite side of being relatively stiff material.

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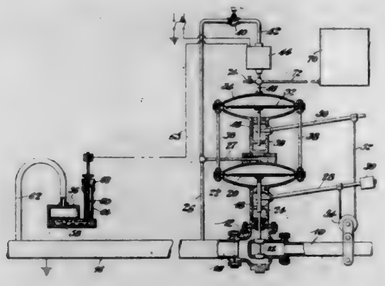
1,558,757. VARIABLE-PRESSURE GAS REGULATOR. CHARLES S. REED, New York, N. Y., assignor, by mesne assignments, to Doherty Research Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 23, 1920. Serial No. 412,416. 16 Claims. (Cl. 50—10.)

1. A method of regulating gas pressure in distributing lines, comprising admitting gas to said lines through a regulating valve, controlling said valve in accordance with the pressure on the outlet side thereof to main-

tain a substantially constant pressure on said outlet side, and utilizing the motive force of the gas adjacent said valve to modify the action of said valve control in accord-



ance with pressure existing at a point in the lines distant from said valve where approximately the lowest pressure is to be maintained.

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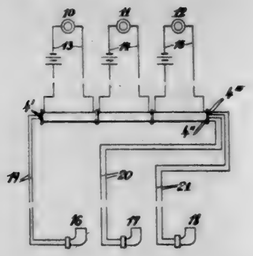
1,558,758. INDUCTION COIL. DR ELBERT A. REYNOLDS, West Hoboken, N. J., assignor, by mesne assignments, to Audiphone Company of America, New York, N. Y., a Corporation of Delaware. Filed Nov. 22, 1917, Serial No. 203,382. Renewed Apr. 17, 1925. 3 Claims. (Cl. 179—1.)



1. The combination of a plurality of telephone transmitters, means for mounting said devices in close proximity to one another to receive sounds emanating from a single source, an induction coil comprising a plurality of primary windings, means connecting said primary windings respectively with said telephone transmitters, said induction coil further comprising a plurality of secondary windings in inductive relation with said primary windings and separate telephone receivers connected to said secondary windings.

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1,558,759. WEATHER GUARD. EDWARD EDWARD RICHARDSON, Maumee, Ohio, assignor of fifty-one per cent to F. O. Richey, Elyria, Ohio. Filed Feb. 18, 1922. Serial No. 537,408. 16 Claims. (Cl. 74—81.)

1. A mat for an automobile foot board provided with substantially parallel flanges cast integral therewith protruding from the surface of the mat, said flanges constructed of flexible material and tensioned toward each other, a slot in said mat between said flanges whereby a reciprocating member may project through said mat between said flanges and via said slot.

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1,558,760. NO-DRAFT MAT AND PROCESS OF MAKING SAME. EDWARD EDWARD RICHARDSON, Maumee, Ohio, assignor of fifty-one one-hundredths per cent to F. O. Richey, Elyria, Ohio. Filed Apr. 21, 1924, Serial No. 707,934. Renewed Apr. 11, 1925. 11 Claims. (Cl. 74—81.)

1. In a mat for an automobile foot board, a combination of a pair of slabs or sheets of rubber or the like, each formed so as to have oppositely extending tongues therein, means to connect the slabs together with the tongues superposed but pointing in opposite directions, said tongues adapted to be deflected from the slabs or sheets to project from the same side of the mat and when released deflected towards each other in an effect to regain their natural unstressed position, and each being prevented from returning to normal by the other tongue.

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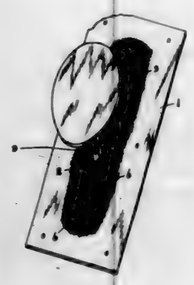
1,558,761. DRAFT-PREVENTING MAT. EDWARD E. RICHARDSON, Maumee, Ohio. Filed Dec. 11, 1924. Serial No. 755,187. 7 Claims. (Cl. 74—81.)



1. In a slot-closing mat of the class described, a flat sheet base having a slot opening therethrough, a facing for portions of the base adjacent the slot and the edges of the slot comprising hide and animal's wool fibres secured to the hide and projecting outwardly therefrom and across the slot to close the same, the resiliency of the wool fibres maintaining the slot closed.



1,558,762. INSTRUCTION DEVICE. BENJAMIN RICHTER, St. Louis, Mo. Filed June 10, 1925. Serial No. 36,152. 3 Claims. (Cl. 273—35.)

1. In a device for instructing posture, a frame, a mirror therein, a panel immediately adjacent to each side of the mirror, and cards removably positioned in said panels, said cards containing complementary illustrations of posture.

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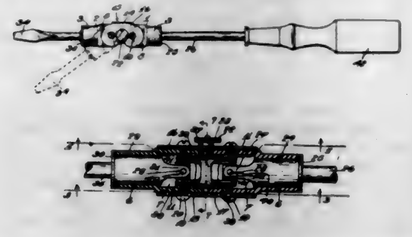
1,558,763. ANGULARLY-ADJUSTABLE TOOL HOLDER. ARTHUR L. ROSSBERG, Portland, Oreg. Filed Dec. 26, 1924. Serial No. 757,976. 1 Claim. (Cl. 145—67.)



A tool-holder, consisting in a pair of barrels each including a cylindrical portion having a bore therethrough and a rectangular chambered portion, said chambered portions having intermeshing gear-teeth upon one side and arcuate beveled edges upon their opposite sides, a frame having side-plates overlying the side walls of said chambered portions having pivotal connections therewith, a screw threaded in one of said side-plates having a tapered head bearing upon said beveled edges of the chamber-portion, spindles rotatively mounted in the respective bores of said barrels, and universal-joint connections between said spindles having their axes in the transverse planes of said pivotal connections, respectively.

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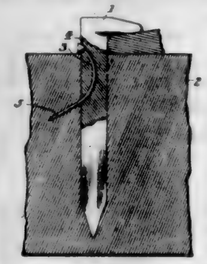
1,558,764. RAILROAD SPIKE. WILLIAM F. RUHTER, Juanita, Nebr. Filed June 9, 1921. Serial No. 476,259. 1 Claim. (Cl. 85—23.)

A spike having a shank and a head thereon, said shank being provided with an arcuate keyway in the upper half thereof, the crown of said arcuate keyway being in the plane of the vertical axis of said shank and the ends of said keyway being in vertical alignment in the one face of said shank opposite that to which the head of said spike is directed, the upper terminal end of said keyway being enlarged and beveled outwardly, and a coated nail adapted to be introduced through said key-



way, the head of said nail being adapted for seating in the enlarged end of the keyway, as and for the purposes described.

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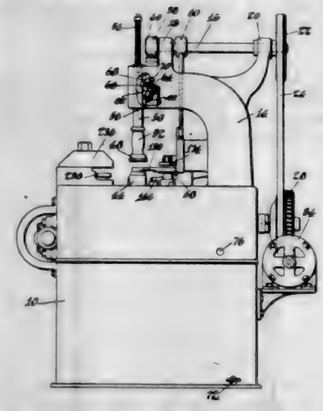
1,558,765. HEEL-MAKING MACHINERY. RALPH C. SIMMONS, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 26, 1921. Serial No. 455,754. 20 Claims. (Cl. 12—42.)



1. In a heel machine, the combination of manually controlled lift cutting mechanism, a separate source of lift supply, and means operating entirely automatically to produce lifts from said source of supply and assemble them with lifts cut by said lift cutting mechanism.

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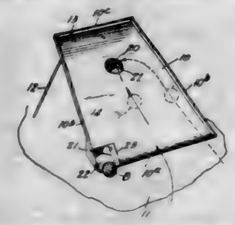
1,558,766. GOLF PLAYING APPARATUS. FRANK STEWART SMITH, Los Angeles, Calif. Filed Jan. 11, 1922. Serial No. 528,438. 8 Claims. (Cl. 273—35.)



1. In a device of the class described, the combination of a table; members hingedly connected to said table for supporting it in an inclined position with its bottom

edge upon the floor; an aperture in said table to receive a ball; and means for returning the ball to the player after it has passed through said apertures, said means comprising a collapsible chute secured to the underside of said surface.

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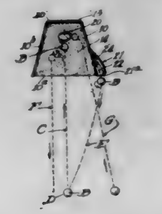
1,558,767. GOLF APPARATUS. FRANK S. SMITH, Los Angeles, Calif. Filed Apr. 19, 1923. Serial No. 633,075. 20 Claims. (Cl. 273—35.)



1. In a device of the class described, the combination of a plane adapted to be supported in an inclined position with one edge upon the floor, the floor engaging edge being curved, an aperture in said plane to receive a ball, and means to return the ball in the direction of the player after passing through said aperture.

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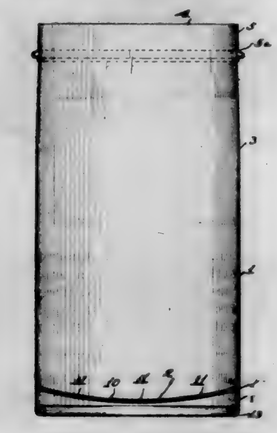
1,558,768. ICE-CREAM CAN. LEE STURGES, Elmhurst, Ill., assignor to Solar-Sturges Manufacturing Company, a Corporation of Illinois. Filed Sept. 19, 1921. Serial No. 501,645. 2 Claims. (Cl. 220—69.)



1. A can, comprising a substantially cylindrical body portion having a taper at its upper portion, and a beaded band surrounding the upper margin of said tapered portion and lying substantially flush and in line with the untapered portion.

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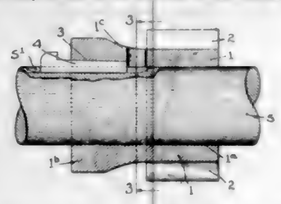
1,558,769. GEAR. ANDREW W. AITKEN, Springfield, Ohio. Filed Oct. 12, 1923. Serial No. 668,240. 1 Claim. (Cl. 287—52.)

In combination, a gear for the purpose specified comprising a body portion having a hub extension of greater thickness than that of the body, said hub extension and body being provided with a keyway extending through the hub extension only; a shaft provided with a keyway cooperating with the keyway in the hub extension; and a key adapted to fit said cooperating keyways;



said hub extension being provided with an opening adjacent the gear to facilitate the key-seating and key-unseating.

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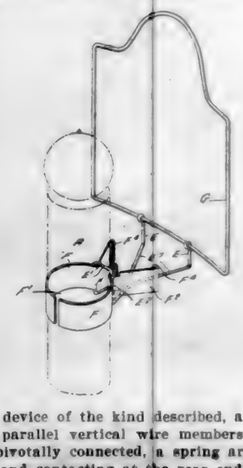
1,558,770. CANDLE-SHADE HOLDER. LAURITS W. ANDERSEN, Waterbury, Conn. Filed Aug. 3, 1922. Serial No. 579,363. 3 Claims. (Cl. 240—141.)



1. In a device of the kind described, a pair of clamping jaws, parallel vertical wire members to which said jaws are pivotally connected, a spring arranged between said jaws and contacting at the rear ends with the rear ends of said jaws, said wire members extending horizontally rearwardly and then vertically, and a shade frame attached to said vertically extending ends of said wire members.

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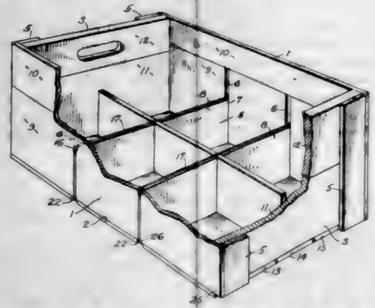
1,558,771. REENFORCED CONTAINER. OSCAR WILLIAM ANDERSON, Chicago, Ill., assignor to Alec J. Gerrard, Chicago, Ill. Filed Jan. 22, 1925. Serial No. 4,014. 3 Claims. (Cl. 217—22.)



1. In a wooden box, the combination of side and bottom walls; and a wire under tension forming a part of the bracing structure passing through said side walls over said bottom wall, over a portion of the inside of the box, and having its ends secured together.



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1,558,772. CRANK-HANDLE ASSEMBLY. THOMAS PORTER ARCHER, Detroit, Mich., assignor to Ternstedt Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed Mar. 26, 1924. Serial No. 701,906. 4 Claims. (Cl. 292—356.)

1. A crank handle assembly, having in combination with a base provided with a socket, an escutcheon thimble, a crank provided with a hub permanently locked rotatably into the escutcheon thimble before assembly onto the support, and an escutcheon plate having an irregular configuration requiring a predetermined location in rotation and rotatably mounted upon the escutcheon thimble.

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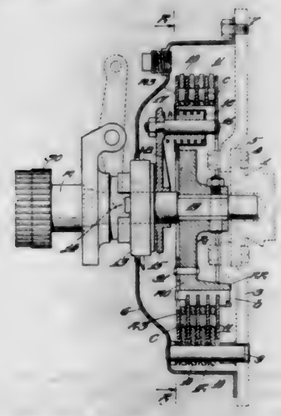
1,558,773. CLUTCH FOR AUTOMOBILES. STUART G. BAITS, Detroit, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 2, 1923. Serial No. 655,259. 2 Claims. (Cl. 192—69.)



1. In a disk clutch for motor vehicles, the combination of a driven shaft, a spider thereon having forked arms, driven rings having lugs engaging the said forked arms, a backing plate secured to said spider, and thimbles for clutch springs inserted in said backing plate.

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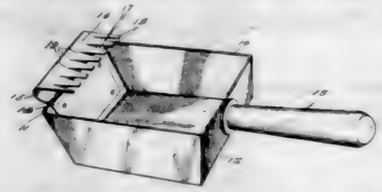
1,558,774. BERRY PICKER. IRA J. BARNES, Queen City, Mo. Filed Sept. 17, 1923. Serial No. 663,288. 3 Claims. (Cl. 56—330.)

1. A device of the character described comprising an open topped scoop, a handle at one end thereof, and a blade mounted on the other end, said blade having a curved portion overlying the scoop, the edge of said overlying curved portion being formed with a plurality of V-shaped notches defining teeth, the ends of said teeth



being blunt and the side edges of the teeth being sharpened to a knife edge whereby stems engaged between the teeth will be severed by said edges.

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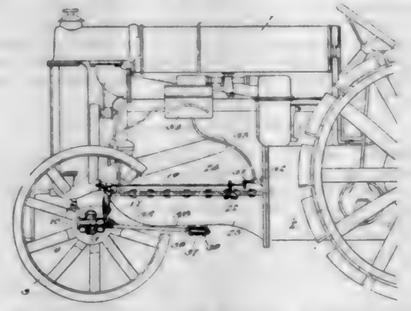
1,558,775. CUT-OUT FOR TRACTORS. HERBERT P. BARRAS, Jeanerette, La., assignor of one-fourth to Paul A. Le Bourgeois and one-fourth to Paul G. Le Bourgeois, both of Jeanerette, La. Filed Sept. 20, 1924. Serial No. 738,877. 4 Claims. (Cl. 180—82.)



1. In a tractor, the combination of a frame, a front axle, a pin on the axle, the frame having an elongated slot to receive the pin whereby the frame is connected to the axle but permitting relative movements through said frame and axle, a lever pivoted on the pin, means connecting the lever with the frame, a rock shaft on the frame, means operatively connecting the rock shaft with the lever, an ignition system, means actuated by the rock shaft for grounding the ignition system during relative movements between the front axle and the frame.

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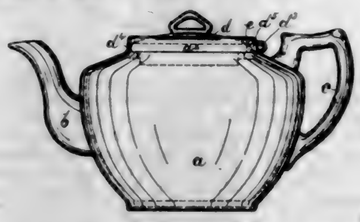
1,558,776. TEAPOT AND COFFEEPOT PROVIDED WITH LOOSE LIDS. WILLIAM GEORGE BARRATT, Burslem, Stoke-on-Trent, England. Filed Nov. 29, 1924. Serial No. 752,997. 2 Claims. (Cl. 53—3.)



1. A pouring vessel having a spout on one side, said vessel having also an upwardly projecting flange at its top provided with a groove extending around its inner side, and a cover slidable upon the top of the vessel and

adapted to engage with the side portion of the said groove adjacent to the spout when the vessel is tilted to pour out its contents, said cover being provided with a laterally projecting member which engages with the said flange on the other side of the vessel from the spout and retains the cover in place when the vessel is tilted.

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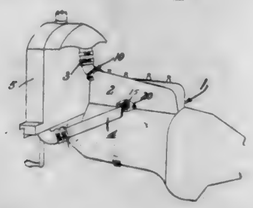
1,558,777. GASKET CHECK VALVE. JAMES H. BARRETT, Beggs, Okla. Filed Apr. 5, 1923. Serial No. 630,124. 1 Claim. (Cl. 123—170.)



The combination with an engine having a water jacket and radiator, a coupling between said radiator and jacket at the top of the engine and a pipe connecting the lower portion of the radiator with said water jacket; of gasket carried check valves located between said coupling and jacket and supply pipe and jacket, the valves in said gaskets opening in the same direction.

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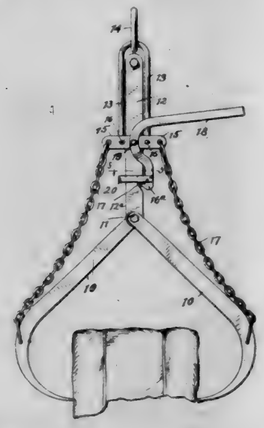
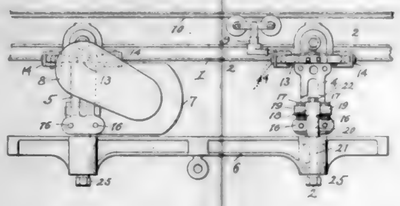
1,558,778. GRAB. EARL T. BENNINGTON, Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a Corporation of Ohio. Filed Feb. 6, 1922. Serial No. 534,316. 6 Claims. (Cl. 294—109.)



1. In a grab of the character described, an extensible and contractible head including two relatively movable members, one comprising a vertically slidable bar, and the other adapted to be connected to a hoist and having a gravity actuated latch pivotally suspended therefrom which is adapted to engage the bar to latch the parts in relatively shortened position, said latch having a laterally extending handle portion, the weight of which serves to hold the latch in engagement with the bar and by which the latch may be manually operated, grab hooks connected to the lower end of the bar, and flexible members connecting the hooks to said other member of the head.

1,558,779. TRAMRAIL CARRIER. EARL T. BENNINGTON, Cleveland Heights, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a Corporation of Ohio. Filed Sept. 25, 1924. Serial No. 739,793. 10 Claims. (Cl. 105—154.)



2. A carrier comprising spaced supporting heads having supporting wheels adapted to run on a track, a load bar, and means connecting each of said heads to the load bar, said connecting means permitting relative pivotal movement about a plurality of axes between the load bar and each of said heads.

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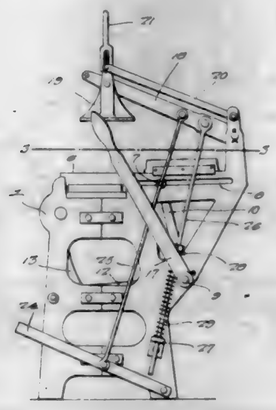
1,558,780. RAILROAD-BAGGAGE COUPON TICKET. WILLIAM R. BETHAM, Chicago, Ill.; Edna M. Betham executrix of said William R. Betham, deceased. Filed Jan. 22, 1923. Serial No. 614,227. 5 Claims. (Cl. 283—20.)

5. The combination with a baggage claim check having a serial number, of a railroad ticket comprising a rectangular body portion, one end of said body portion constituting a ticket head, said body portion being divided by a weakened line extending to the opposite end of the ticket head and having a series of transverse weakened lines, said central lines and said transverse lines dividing the body portion up into a series of rectangular areas, the areas on one side of the line constituting ticket portions, each having indicia indicating transportation between designated points and the serial number of the ticket, and the areas on the opposite side of the ticket constituting baggage coupons, each of said baggage coupons having the same indicia as the ticket portion on the opposite side of said central line, and being detachable from said ticket portion, and each of said baggage coupons being provided with a blank space for insertion of the claim check number.



1,558,781. BRICK MACHINE. ELIE BLANCHETTE, Lawrence, Mass., assignor of one-third to Atwood C. Delano, Lawrence, Mass., and one-third to Fred E. Gregg, Marblehead, Mass. Filed Sept. 19, 1924. Serial No. 738,621. 1 Claim. (Cl. 25—41.)



In a brick machine of the class described, a table, a fixed wall at one edge of the table provided with a plurality of vertically disposed slots, a pivoted wall at the opposite edge of the table and provided with a plurality of slots, a plurality of partitions slidable across the table through the slots of the walls, means for simultaneously sliding the partitions across the table through the slots of the wall and swinging the pivoted wall to an upright position, said means comprising a shaft, arms extending from the shaft, a rod extending through the ends of the partitions, a structure in which the shaft is journaled and provided with slots for receiving the rods, arms extending from the shaft and having slotted terminals receiving the rods, other arms projecting from the shaft at an angle to the first arm, curved members extending from the pivoted wall and engageable with the second arm so that when the partitions are moved across the table, said second arms will engage the members for swinging the pivoted wall to a vertical position, and spring means engaged with the members for normally urging the pivoted wall to a lowered position.

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1,558,782. SURFACING PROCESS. WARREN F. BLEECKER, Boulder, Colo. Filed July 22, 1922. Serial No. 576,887. 7 Claims. (Cl. 94—23.)

1. The process of surfacing a non-bituminous structure consisting in first coating a cleaned surface with a plastic material under a partial vacuum, subjecting the coating to a fluid pressure whereby it is forced into the pores and crevices of the surface, and covering the coating with a plastic material.

1,558,783. PROCESS OF REPAIRING CONCRETE. WARREN F. BLEECKER, Boulder, Colo. Filed July 22, 1922. Serial No. 576,888. 8 Claims. (Cl. 94—24.)

1. The process of repairing concrete or cement structures consisting in cleaning a broken surface of the structure, then filling the space above said surface with a concrete mass, and dividing the mass by contraction grooves to but not through the surface of the structure.

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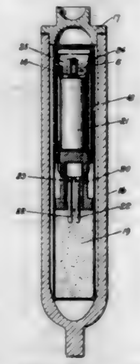
1,558,784. ELECTROLYTIC TIMER. WARREN F. BLEECKER, Boulder, Colo. Filed Apr. 16, 1925. Serial No. 23,611. 12 Claims. (Cl. 102—4.)



9. The combination with a circuit, of a resistance and an electrolytic cell connected in series therein, the electrolytic cell including two normally spaced electrodes relatively disposed to bridge the space between them by electrolytic decomposition.

10. An electric bomb comprising in combination a shell, an explosive charge, an electrical igniter for the charge, a source of electricity, and an electrolytic timer in circuit with the source and the igniter.

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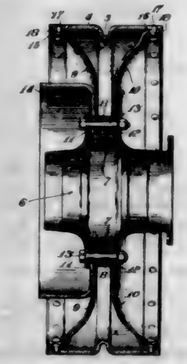
1,558,785. METAL WHEEL. ROBERT J. BURROWS, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan. Filed Jan. 17, 1920. Serial No. 352,072. 5 Claims. (Cl. 201—63.)



5. A metal wheel comprising in combination an integral rim having an intermediate inwardly projecting annular rib, a hub, and separate outwardly diverging discs fixedly

connected with the hub and with the rim at opposite sides of said rib, the margins of the rim having inwardly extending flanges opposite to and abutting against the outer edges of said discs.

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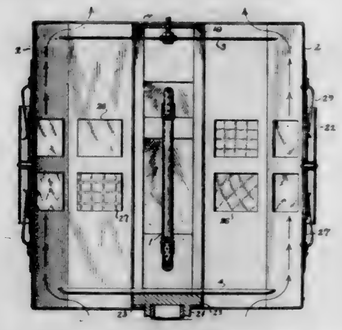
1,558,786. COLOR-FADE-TESTING APPARATUS. LEROY J. BUTTOLPH, East Orange, N. J., assignor to Cooper Hewitt Electric Company, a Corporation of New Jersey. Filed Sept. 27, 1923. Serial No. 665,247. 3 Claims. (Cl. 23—253.)



1. In combination a source of light rich in ultra violet rays, a frame member about said light, shell members removably mounted on either side of said frame to form an enclosure for said light, openings at the top and bottom of said enclosure, an adjustable baffle plate at the top opeing, a baffle plate at the bottom opening, said bottom baffle having its edge turned upwardly to form a pan, openings in the walls of the shell members, baffle plates on the outside of said openings closed at the sides and open at the top and bottom, and removable sample frames with the last said baffles, said sample frames having openings registering with the openings in the shell member.

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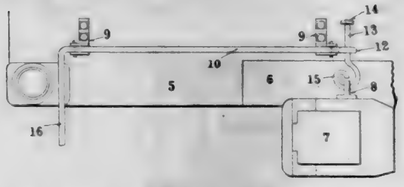
1,558,787. COUPLER-RELEASE RIGGING. STERLING H. CAMPBELL, St. Louis, Mo., assignor to Railway Devices Company, St. Louis, Mo., a Corporation of Missouri. Filed June 13, 1925. Serial No. 36,952. 2 Claims. (Cl. 213—170.)



1. In a device of the class described, the combination with an operating arm, of a lock pin provided with an eye, and a connector having sliding connection with the arm and terminating at its lower end in an open loop in the form of a flat spiral engaging the eye.

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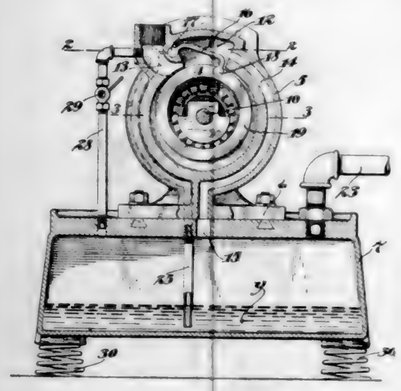
1,558,788. PUMP. WILLIAM H. CAMPBELL, Minneapolis, Minn. Filed Sept. 13, 1924. Serial No. 737,495. 4 Claims. (Cl. 230—30.

1. A pump comprising a cylinder, an eccentric piston working in said cylinder, said cylinder having admission and exhaust ports, an oil chamber below said cylinder in which the exhaust port is connected, said oil chamber having an air discharge conduit leading back to the admission port, and an oil conduit leading from the lower portion of the oil chamber and delivering into the cylinder on the suction side of said piston, under which ar-



rangement the surplus oil will be carried with the air back into the oil chamber and there separated from the air and redeposited in said chamber.

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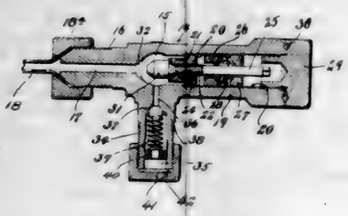
1,558,789. DISCHARGE AND CONTROL VALVE. JOHN O. CARREY, St. Louis, Mo., assignor to Carrey-Morse Engineering Company, St. Louis, Mo., a Corporation of Missouri. Filed Dec. 8, 1924. Serial No. 754,581. 7 Claims. (Cl. 277—65.)



1. A valve fitting having an inlet extension and an outlet extension, a tubular member formed integral with said fitting in coaxial alignment with said outlet extension, a control valve, a stem therefor screw-seated in said tubular member and operable to seat said valve against said outlet extension, thereby closing the communication between the latter and said inlet extension, and a check valve arranged in the discharging portion of said fitting for permitting discharge of fluid from said fitting to the atmosphere.

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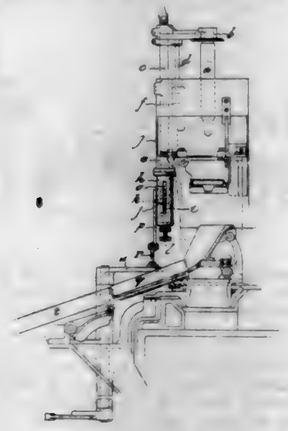
1,558,790. APPARATUS FOR FEEDING MOLTEN GLASS. HARRY BLACK CHALMERS, Yarraville, Victoria, Australia, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed June 4, 1923. Serial No. 643,246. 12 Claims. (Cl. 49—55.)

1. In apparatus for feeding molten glass wherein a container is provided with an outlet for molten glass which is controlled by a reciprocating needle having a fixed connection with guide shafts supported reciprocating



in bearings, a sleeve extension on one of one of the guide shafts, a resiliently mounted abutment supported by said extension, and means for placing the said abut-



ment in the path of movement of the guide shaft upon each alternate movement of the needle to vary the sizes of charges delivered from the feeding apparatus.

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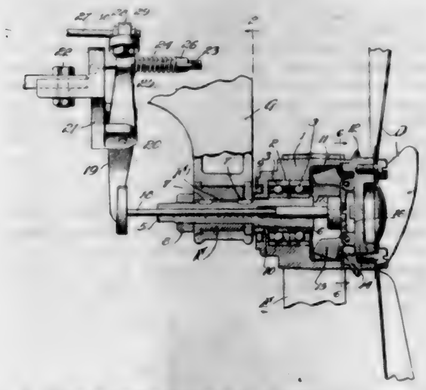
1,558,791. GOVERNOR. RAY F. CHENEY, Rockford, Ill., assignor of one-third to William H. Williamson and one-third to Carroll H. Starr, both of Rockford, Ill. Filed Oct. 17, 1921. Serial No. 508,253. 1 Claim. (Cl. 264—3.)



A governor device comprising a hollow fan pulley, a cap fitting the front end of the pulley, fan blades attached to the front of the cap, a hollow bearing spindle projecting into the rear end of the pulley, governor arms mounted on the inner side of the cap and enclosed within the space between the front end of the spindle and the cap, and an operating connection extending from the governor arms thru the spindle.

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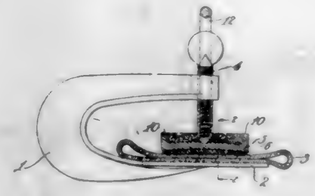
1,558,792. VULCANIZING MATERIAL AND APPARATUS. RALPH H. CHURCHILL, Chicago, Ill. Filed Mar. 19, 1923. Serial No. 626,008. 7 Claims. (Cl. 18—18.)

5. In vulcanizing apparatus, the combination of a fuel which is normally quick burning at a high temperature combined with a blanketing material intermingled with the fuel and adapted to retard combustion, said material also serving to absorb the heat of combustion and to radiate it gradually to the material to be



vulcanized; and a thick walled container for the fuel which shields the rubber from the high temperature of combustion by absorbing heat and radiating it gradually.

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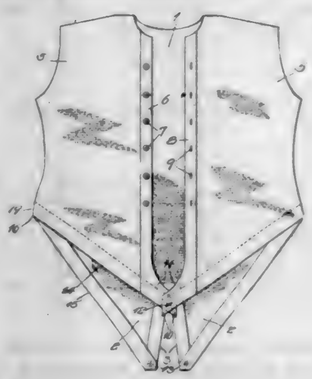
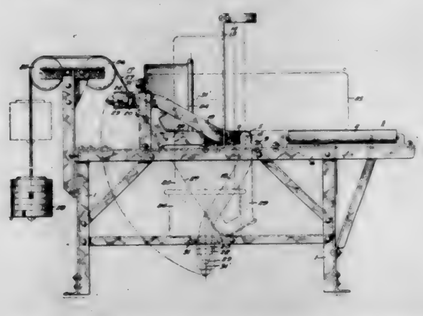
1,558,793. SHIRT. ELMER E. COBLE, Chicago, Ill., assignor of one-fourth to W. Lee Provol, Chicago, Ill. Filed Oct. 12, 1921. Serial No. 507,239. 1 Claim. (Cl. 2—77.)



A shirt comprising front and back portions, the lower edge of said back portion and lower edges of said front portion inclined downwardly from the hip portions to the center of the shirt, forming hip covering portions, said back portion being longer than the front portion and terminating in a centrally divided tail to provide separate triangular leg portions, said front portion having inwardly curved lower ends, terminating in tabs which extend transversely of and a substantial distance beyond the meeting edges of the sides of said front portion, said tabs and triangular leg portions carrying cooperative holding means to secure the same together near a central point at the inner sides of the wearer's legs, causing the lower side portions of the shirt to encircle the wearer's legs, along lines inclined from points below the crotch to points on the hips whereby said shirt is free of the wearer's leg at the crotch and causes a clutching action on the legs only below the crotch and at the hips when the shirt is pulled upwardly.

1,558,794. CHEESE-TURNING MACHINE. THOMAS E. DAY, San Francisco, Calif., assignor to Golden State Milk Products Company, San Francisco, Calif., a Corporation of California. Filed July 30, 1925. Serial No. 46,985. 13 Claims. (Cl. 31—49.)



6. A cheese turning machine comprising a horizontal removable roller, a cup-shaped element adapted to receive a portion of the cheese when in a horizontal position and a pivoted frame movable in a vertical plane rotatably supporting said element about a central axis.

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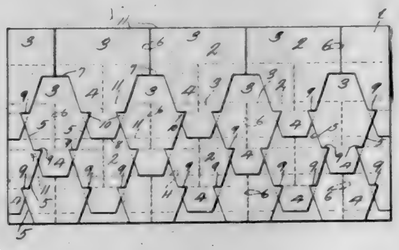
1,558,795. SHINGLE ROOFING. JOSEPH F. DONAHUE, South Bend, Ind. Filed Aug. 11, 1923. Serial No. 656,923. 1 Claim. (Cl. 108—8.)



A roof formed from a plurality of independent horizontally and vertically alined shingles, said shingles comprising rectangularly shaped body portions having their adjacent ends in abutting engagement in each course horizontally, angularly disposed projections carried by the lower side of each of the body portions, said projections being spaced from opposite sides of the body portions, thereby forming shoulders in horizontal alinement with each other, said projections having their sides converging towards their ends and provided with slits intermediate their ends, said projections interengaging with adjacent diverging sides of adjacent angularly disposed projections, the shoulders formed by the angularly disposed projections forming means cooperating with the slits for preventing movement of the shingles and maintaining the same in horizontal courses.

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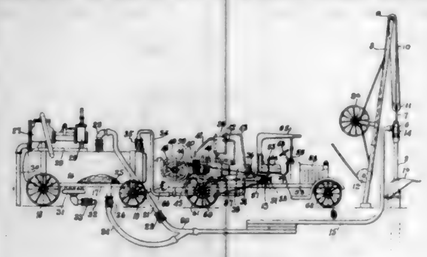
1,558,796. APPARATUS FOR AND METHOD OF RENEWING OIL WELLS. IRWIN L. DUNN, Marietta, Ohio, assignor to Tidal-Dunn Company, Tulsa, Okla., a Corporation of Oklahoma. Filed Jan. 5, 1925. Serial No. 564. 22 Claims. (Cl. 166—16.)

8. In a portable well renewing system, the combination with a pressure tank, of a hammer conduit consisting of a series of pipe sections adapted at one end to receive water and air under pressure from said tank



and a connection to raise and lower it, and having at the other end a tubular hammer head adapted to strike disintegrating blows by the fall of the conduit.

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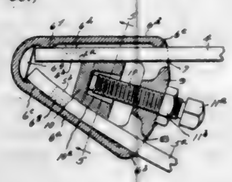
1,558,797. BUMPER. WAYNE E. DUNSTON, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed July 26, 1922. Serial No. 577,529. 12 Claims. (Cl. 293—55.)



2. In a bumper, the combination, with a pair of bars or plates, of a cap adapted to receive corresponding ends of the bars or plates therewithin and provided with longitudinally spaced seats for each such end, a wedge block mounted in each cap and movable between and of less length than the distance between the seats therein, said wedge block tending to expand said bars or plates between said seats, and means connected with said cap for so moving the said block.

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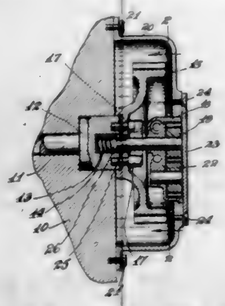
1,558,798. PUMP HOUSING AND OPERATING MECHANISM. STEVEN F. EVELYN, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a Corporation of Virginia. Filed Mar. 27, 1922. Serial No. 547,334. 21 Claims. (Cl. 103—126.)



1. In combination, a housing, a shaft mounted to rotate in the housing, a gear secured to the end of the shaft, a gear case secured to the housing for enclosing said gear and having an opening in line with the central portion of said gear, a plate for closing said opening, a pump secured to said plate and having a driving shaft extending towards said gear, and driving connections between said first mentioned shaft and said pump driving shaft.



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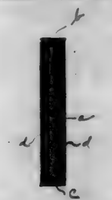
1,558,799. ASPHALT EXPANSION JOINT. ALBERT C. FISCHER, Chicago, Ill. Filed July 28, 1922. Serial No. 578,181. 7 Claims. (Cl. 94—18.)



1. An expansion joint for separating sections of paving, comprising a thin wooden strip providing a cellular compressible center and a bituminous jacket on opposite sides and at the top edge thereof; that portion of the jacket overlying the top edge being of greater thickness and providing a crown to resist traffic wear.

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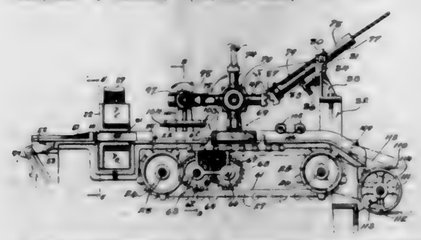
1,558,800. LABELING MACHINE. EDWARD F. FOSTER, Milwaukee, Wis. Filed May 8, 1922. Serial No. 559,403. 9 Claims. (Cl. 216—55.)



1. The combination of a magazine containing labels gummed on one side, means for removing said labels from said magazine with their gummed sides held outwardly and for carrying said labels to a package, and means for intermittently spraying steam upon the gummed side of said labels after the labels leave the magazine and before reaching the package, such means furnishing steam only when a label opposes it.

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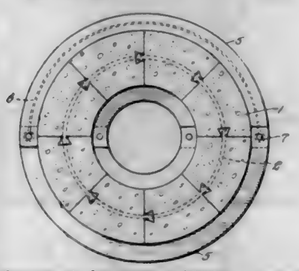
1,558,801. INTERLOCKING REENFORCED CONCRETE CONSTRUCTION. CHARLES FREY, Chicago, Ill. Filed May 26, 1924. Serial No. 715,950. 2 Claims. (Cl. 72—9.)



1. Reenforcement for cement blocks, a cement block, a projecting dove-tailed tongue on said reenforcement and dove-tailed groove in said reenforcement, said tongue and groove being adapted to form close fitting reenforced joints between cement blocks.

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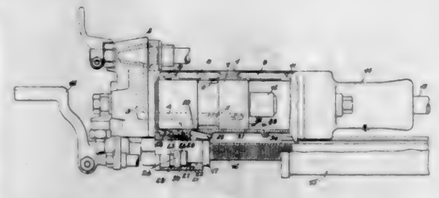
1,558,802. PNEUMATIC TOOL. ELMER GEORGE GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 26, 1919. Serial No. 299,704. 29 Claims. (Cl. 121—9.)



1. In a drilling apparatus, a tool, means for moving said tool comprising a member carried by said tool, and having its axis laterally disposed from the tool axis, and a cooperating member adjustable relatively thereto, and means for controlling the operation of said tool including means carried by one of said members and coaxially arranged with respect to the other thereof.

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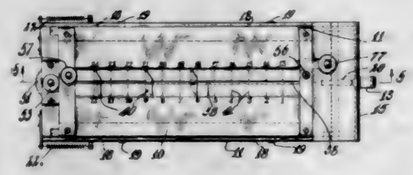
1,558,803. COMBINATION LOCK. JOHN GEMZA, Brownville, Me., and CONSTANTY BALAZY, Donora, Pa. Filed Sept. 15, 1924. Serial No. 737,653. 5 Claims. (Cl. 70—113.)



1. In a combination lock, a rectangular casing, a movable locking element having fixed thereto a pair of bars extending along the opposite sides of the casing, projections spaced along said bars, a series of transversely movable plunger members adapted to be selectively moved to engage at their ends between said projections to lock the said element, and devices adapted to selectively engage said plunger members to move certain ones thereof to operative position.

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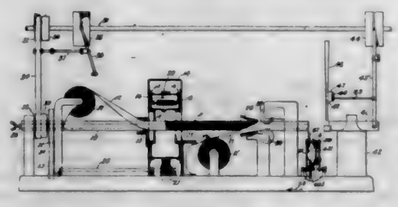
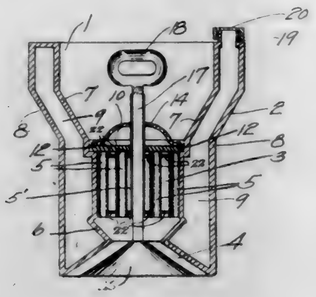
1,558,804. METHOD OF AND APPARATUS FOR MAKING REENFORCED PRODUCTS. EUGENE L. GREENEWALD, Washington, D. C. Filed Nov. 20, 1918. Serial No. 263,327. 89 Claims. (Cl. 93—39.)



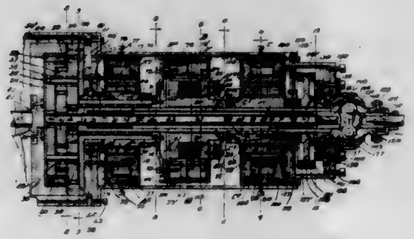
1. The method of corrugating and reenforcing a rod or tube that comprises applying corrugating means to the outer surface of a rod or tube while said rod or tube is moved in the direction of its axis and retaining said corrugating means in place on the rod or tube to reenforce the same.

1,558,805. MILK STRAINER AND COOLER. CARL E. HENKE, Hutchinson, Minn. Filed Mar. 18, 1921. Serial No. 453,260. 1 Claim. (Cl. 31—4.)



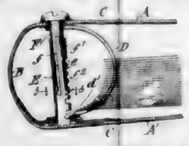
A milk strainer and cooler for filling containers, comprising in combination a double walled funnel-like structure having a filling port, the inner wall thereof, near the lower end, being contracted inwardly to form a ledge upon which the milk may fall, the said inner wall being then flared outwardly to meet the outer wall, and there being an annular recess formed medially of the inner wall; a circular strainer adapted to releasably engage the said annular recess of the inner wall; a float adapted to enter the container, and having an indicator rod slidingly extended up through the apparatus.

1,558,806. ELECTROMECHANICAL POWER-TRANSMISSION MECHANISM. ALMA C. HESS, Jr., Union, Oreg. Filed Dec. 7, 1921. Serial No. 520,562. 18 Claims. (Cl. 290—10.)



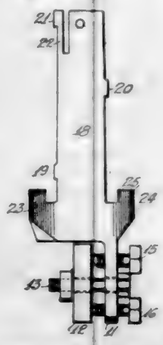
1. A mechanism for transmitting the power from the motor of a vehicle to the driving wheels thereof, comprising a motor shaft, a transmission shaft, a planetary gearing, a driving coupling means between said planetary gearing and said motor shaft, a driving connection between said planetary gearing and said transmission shaft, a plurality of dynamo electric machines arranged independently over the said transmission shaft and operatively connected with said gearing for effecting the starting up of the motor of the vehicle and further for varying the speed of the transmission shaft from the minimum power of the motor to the maximum power thereof, and means for selectively controlling the operation of said dynamo electric machines for the purpose aforesaid.

1,558,807. LOOSE-LEAF BINDER. HENRY STANLEY HORN, East Orange, N. J. Filed Apr. 17, 1922. Serial No. 553,820. 5 Claims. (Cl. 129—13.)



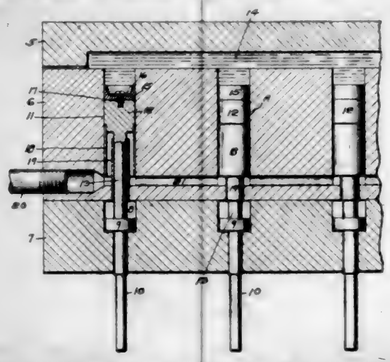
1. A loose leaf binder comprising a pair of telescopic members having interengaging means and a resilient element connected with said members adjacent their remote ends.

1,558,808. LAMP BRACKET. SAMUEL P. HULL, Yonkers, N. Y. Filed Oct. 16, 1924. Serial No. 744,056. 7 Claims. (Cl. 240—57.)



6. In a lamp support of the class described, the combination of a one piece bracket with a vertical stem having a plurality of spaced inclined planes, a lantern with a plain sleeve engaging said stem, means associated with said stem for determining the horizontal position of said lantern and means including said inclines for determininig the vertical position of said lantern.

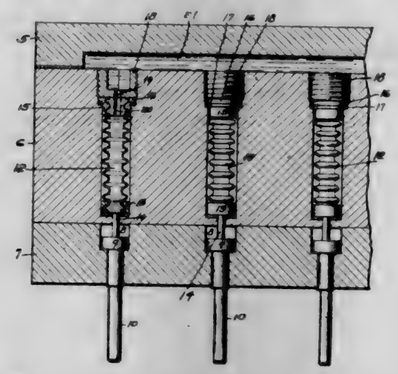
1,558,809. MEANS FOR INSURING UNIFORM PRESSURE UPON EXPLOSIVE CHARGES OF DETONATORS. DANIEL D. HUYETT, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed June 23, 1925. Serial No. 39,093. 6 Claims. (Cl. 86—20.)



6. A device of the character described comprising a plurality of press points, a plurality of pistons in alignment therewith and exerting pressure thereon, cylinders in which said pistons move, sleeves having fluid tight engagement with the pistons and movable therewith and tubes projecting upwardly from the lower ends of the cylinders into said sleeves, there being a pressure fluid discharge conduit leading from the lower ends of said cylinders.

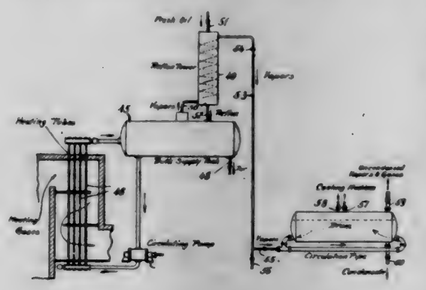


1,558,810. MEANS FOR INSURING UNIFORM PRESSURE UPON EXPLOSIVE CHARGES OF DETONATORS. DANIEL D. HUYETT, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed June 23, 1925. Serial No. 39,094. 4 Claims. (Cl. 86—20.)



2. The combination with a movable press head, a plurality of press points, carried thereby, a plurality of elements having expansible walls mounted in alignment with said press points and comprising portions bearing upon said points, compression nuts for securing said elements in place and means for admitting pressure fluid, from a common source, to all of said elements through said compression nuts.

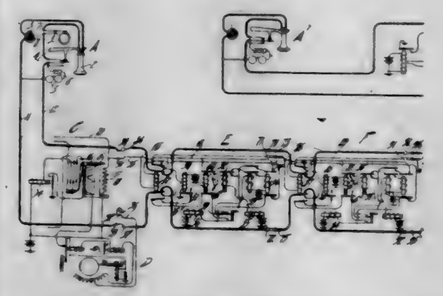
1,558,811. PROCESS FOR CONDENSING VAPORS. EDWARD W. ISOM, Locust Valley, and JOHN E. BELL, Brooklyn, N. Y., assignors to Sinclair Refining Company, Chicago, Ill., a Corporation of Maine. Original application filed June 23, 1921, Serial No. 479,796. Divided and this application filed Nov. 12, 1924. Serial No. 749,408. 6 Claims. (Cl. 196—94.)



1. An improved method of condensing hydrocarbon vapors, which comprises maintaining a body of condensate of corresponding composition, cooling said body, circulating a stream of said condensate from and to said body through an external circuit, injecting the vapors into said circulating stream and maintaining the circulation by the injection of the vapors.

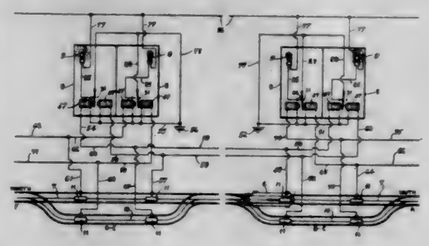


1,558,812. AUTOMATIC TELEPHONE SYSTEM. EMIL JACOBSEN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 11, 1917. Serial No. 174,013. Renewed June 22, 1925. 87 Claims. (Cl. 179—27.)



2. In a telephone system, a temporarily establish connection including in serial relation an automatic switch, a trunk line, and an operator's cord circuit, a signal at the operator's position, a calling device at the calling substation for controlling said switch, a relay responsive to the operation of said calling device after the connection is established for reversing the direction of current flow in said trunk line, and a device responsive to such reversal to actuate said signal.

1,558,813. RAILWAY-SIGNAL SWITCH. HENRY KASSIK, Yonkers, N. Y. Filed Apr. 6, 1925. Serial No. 20,994. 7 Claims. (Cl. 246—84.)

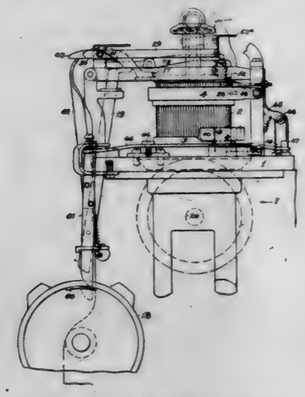


6. In a railway signal switch, in combination with the trolley wheel of a car, a signal box including signal lights, a circuit for lighting said lights, a contact plate mounted in said box and connected to one conductor of said lighting circuit, a contact post carried by said box and connected to the other conductor of said lighting circuit, a breaking post mounted on said box, a fork member pivotally mounted on said contact plate and in continuous engagement therewith, one of the prongs of said fork member adapted to engage either said contact post or said breaking post, a spiral spring capable of pressing against the handle portion of said fork member to hold one prong thereof normally in engagement with either said contact post or said breaking post, a contact finger operatively connected to said fork member, sets of magnets mounted in said box and disposed at either side of said contact finger, said magnets capable of drawing said contact finger to either side of the pivot point of said fork member whereby said fork member is moved against the action of said spiral spring into engagement with either the contact post or the breaking post, respectively, upon the energization of the magnets, and means cooperating with said trolley wheel for energizing said sets of magnets.

1,558,814. PARACHUTE TOY. WILLARD E. KASTEAD, St. Petersburg, Fla. Filed Apr. 15, 1925. Serial No. 23,314. 1 Claim. (Cl. 46—37.)

In a toy of the class described, a casing formed in a pair of sections hinged together, an elastic having its ends fixed to the free edges of the sections of the casing, a parachute including a cord fixed to the casing, said parachute adapted to be folded and placed into the casing with the elastic thereabout so that said elastic will tend to open the casing and eject the parachute, a cord having one end fixed to the casing and adapted to be wound about the casing to hold it normally closed as the casing is being thrown into the air, and a spring associated with the sections of the casing to close the sections after the parachute has been ejected therefrom.

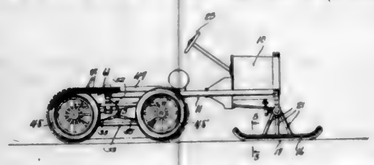
1,558,815. CIRCULAR-KNITTING MACHINE. HARRY E. KATZENMOYER, Rosedale, Pa., assignor of one-half to Patrick Henry Fisher, Wyomissing, Pa. Filed Sept. 30, 1922. Serial No. 591,517. 1 Claim. (Cl. 66—21.)



In a circular knitting machine comprising a circular series of needles, a main yarn guide therefor and main knitting cams for all the needles, an extra yarn guide movable into and out of position for feeding to a part circle series only of said needles, extra knitting cams for the latter movable into and out of the needle path, a sinker ring and a movable cam therein adapted to additionally actuate the sinkers in cooperation with said extra knitting cams, a lever mechanism adapted to actuate said extra yarn guide, a separate lever mechanism adapted to actuate both said extra knitting cams and said extra sinker ring cam, and a pattern controlled push rod jointly operative upon both said lever mechanisms.

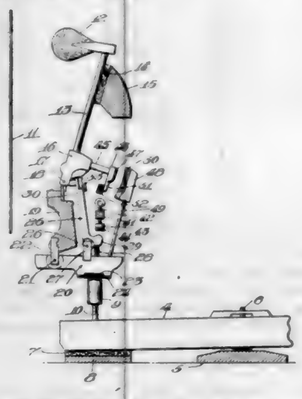
1,558,816. SLED ATTACHMENT FOR MOTOR-DRIVEN VEHICLES. GILBERT V. KING, Princeton, Wis. Filed Mar. 7, 1922. Serial No. 541,767. 6 Claims. (Cl. 305—8.)

6. In a sled attachment for motor-driven vehicles, the combination of an upper side frame member, a lower side frame member, means securing said members together, a spring, said lower side frame member having a chamber receiving said spring, a plunger movable in said lower side frame member and contacting with said spring, a link pivoted to said upper side frame member,



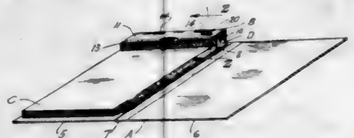
and means securing said link and said plunger together, whereby said link may be moved rearwardly against the action of said spring and forwardly by the force of said spring.

1,558,817. PIANO ACTION. CHARLES KOEHLER, Chicago, Ill. Filed July 9, 1923. Serial No. 650,380. 4 Claims. (Cl. 84—242.)



1. A piano action comprising in combination a hammer, a hammer stem therefor, a hammer butt, a pivotal mounting therefor, the lower portion of said hammer butt having a relatively narrow tongue, a wippen pivoted beneath the position of the hammer butt, a jack pivoted to said wippen and having its upper end bifurcated and adapted to receive the tongue of the hammer butt, there being an inwardly reaching slot in said tongue, a cord between the bifurcations of the jack adapted to engage said slot, a sidewise projecting heel on the jack, a stop on said heel for limiting its upward movement, and means for adjusting the elevation of said stop with respect to the wippen substantially as described.

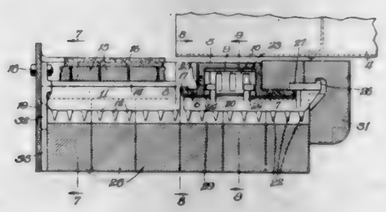
1,558,818. PAD HOLDER AND PENCIL SHARPENER. BUNTARO KUMAGAI, Los Angeles, Calif. Filed June 23, 1924. Serial No. 721,745. 3 Claims. (Cl. 120—1.)



1. In a device of the character described, the combination of a pad holder head having opposing jaws for embracing a pad thereby providing a cavity therebetween, a spring catch mounted on said head in said cavity, and a pencil sharpener unit having a notch for the receipt of the catch whereby to provide a connection for detachably holding said unit in the cavity of said head.

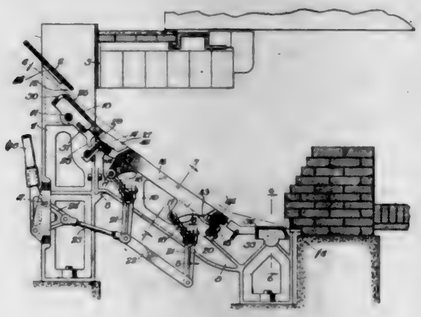


1,558,819. FURNACE-FIRE-ARCH CONSTRUCTION. ROBERT H. KUSS, Chicago, Ill., assignor to K-R Furnace Company, a Corporation of Illinois. Filed May 12, 1921. Serial No. 468,926. 20 Claims. (Cl. 110—99.)



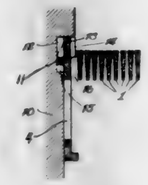
1. In furnace fire arch construction, the combination of a transverse hollow metal supporting member, blocks forming the lower surface of the arch, parallel means to engage the blocks in a plane below said member, extending longitudinally from block to block to hold the blocks in longitudinal rows, so that the members of each row all directly engage the same horizontal support, having provisions for the circulation and passage of cooling air over the blocks and around the supporting means and down to the space below the arch, thereby to cool and prevent the supporting means from burning out, and means to supply cool air to said member, so that air passes into and from said member to said provisions in the arch construction, and then to the fire.

1,558,820. FURNACE-GRATE CONSTRUCTION. ROBERT H. KUSS, Chicago, Ill., assignor to K-R Furnace Company, a Corporation of Illinois. Filed May 12, 1921. Serial No. 468,927. 17 Claims. (Cl. 110—33.)



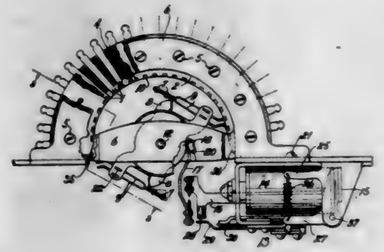
1. In a furnace grate, the combination of stationary inclined bars arranged in groups, with the bars of each group united at their lower ends but separated at their upper ends, movable inclined bars alternating with the stationary bars, the stationary bars extending beyond the upper and lower ends of the movable bars, and mechanism to operate said movable bars and to raise and lower them a distance to move the fuel on the grate.

1,558,821. FURNACE AIR-SUPPLY CONSTRUCTION. ROBERT H. KUSS, Chicago, Ill., assignor to K-R Furnace Company, a Corporation of Illinois. Filed June 28, 1921. Serial No. 479,748. 5 Claims. (Cl. 110—75.)



1. In furnace grate construction, the combination of side frame members spaced apart, a grate structure between said members, side bars disposed on the upper edges of said members and having their inner sides provided with teeth overhanging the inner sides of said members, interlocking means on said bars to extend down a distance outside said members, means on said members to engage said interlocking members, said bars extending above the plane of the grate, and outer walls disposed in position to maintain said bars in position on said members, with space between said members and the grate structure to permit air to pass upwardly between said teeth to the sides of the bed of fuel on the grate.

1,558,822. SELECTOR SWITCH. CLARENCE I. BAKER, Elizabeth, N. J., assignor to Western Electric Company Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 2, 1923. Serial No. 672,323. 6 Claims. (Cl. 179—27.5.)

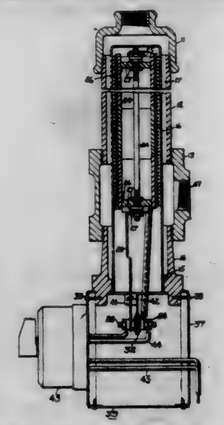


1. A rotary switch comprising, a plurality of units each consisting of a layer of insulated terminals arcuate in form paralleled by an arcuate serrated metal strip, a rotatable member equipped with a plurality of wipers, one or more wipers cooperatively associated with each unit and capable of passing over the contacting surfaces thereof, thereby electrically connecting said metal strip with the terminals in succession, and electromagnetic means for moving the rotatable member.

1,558,823. WATER HEATER. GEORGE M. BAYNE, Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 23, 1923. Serial No. 670,847. 6 Claims. (Cl. 219—38.)

1. In an electric water heater, in combination, an elongated inner casing having a closed upper end, an electric heating element in the upper part only of said inner casing, terminal leads connected thereto and extending beyond the lower end of said inner casing, and

an elongated outer casing enclosing said inner casing, operatively connected thereto at its lower end only, and providing an annular water chamber, said outer casing



having an outlet at the top thereof and an inlet intermediate its ends, that portion of the water chamber below the inlet constituting a thermal lock for the terminal leads.

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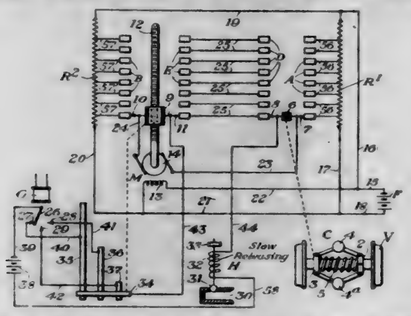
1,558,824. RAILWAY VEHICLE GOVERNING APPARATUS. CHARLES R. BEALL, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed July 1, 1924. Serial No. 723,528. 11 Claims. (Cl. 246—182.)




4. In combination, a railway vehicle, a speed responsive device operatively connected with a wheel of said vehicle, two resistances on the vehicle each connected across a source of current, a controlling contact operated by said device and moved into engagement with different points on one resistance according to the speed of the vehicle, a controlled contact movable into engagement with different points on the other resistance, a motor for moving said controlled contact, means causing operation of said motor when said two contacts do not engage points of equal potential on said two resistances, and governing apparatus on the vehicle controlled at least in part by the position of said controlled contact.

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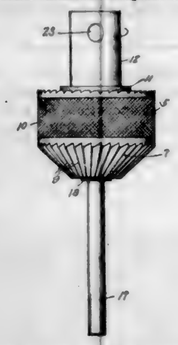
1,558,825. TOOL FOR REAMING VALVES AND VALVE SEATS. LAWRENCE O. BEARD, Lancaster, Pa. Filed May 31, 1923. Serial No. 642,621. 3 Claims. (Cl. 90—12.5.)

1. A reamer comprising a cylindrical member having a concave cavity and a conical extremity, said cavity and said extremity formed with cutting teeth, a ratchet member having a concave extremity formed with teeth spaced and inclined similarly to the teeth in said cavity, the teeth on said ratchet member adapted to engage the teeth



in said cavity to rotate said cylindrical member when said ratchet member is rotated in one direction and means for rotating said ratchet member.

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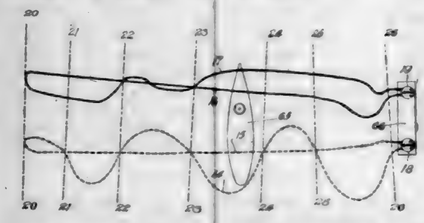
1,558,826. ELECTRICAL TESTING SYSTEM. MURRAY C. BEMIS, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 21, 1920. Serial No. 360,308. 6 Claims. (Cl. 177—385.)



1. A submarine detecting system comprising a plurality of submerged conductive loops, each said loop being characteristically transposed to form with another loop a series of observational sectors, and electro-responsive means connected to said loops and responsive to current impulses induced therein.

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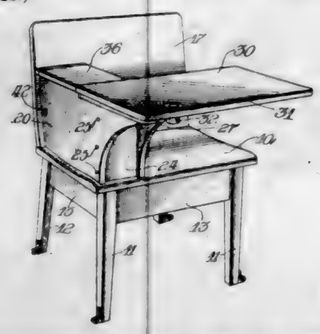
1,558,827. SCHOOL DESK. ALFRED C. BOLSTAD and ARCHIBALD E. MACQUARRIE, Minneapolis, Minn. Filed Sept. 27, 1922. Serial No. 590,786. 9 Claims. (Cl. 155—128.)



1. A self-supporting unitary school desk comprising a seat, a book container supported entirely by said seat and having a plurality of walls extending upwardly from the upper surface of said seat with said seat forming the lower wall of the container, and a desk top secured to and supported entirely by the forward portion of said book container and extending laterally from said book container in front of the portion of said seat to be occupied by the pupil.



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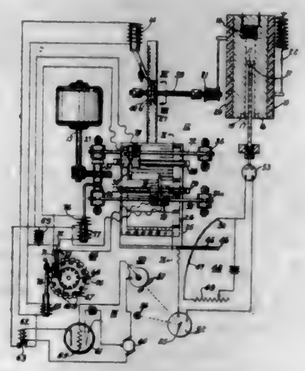
1,558,828. RECORDING CHRONOGRAPH. PORTER H. BRACH, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 23, 1921. Serial No. 454,818. 24 Claims. (Cl. 234—11.)



18. A recording chronograph for obtaining a thermal analysis of a sample to be tested comprising means for heating the sample between two predetermined degrees of temperature, means for recording the interval of time required by the sample to attain a predetermined increment or decrement in temperature, a thermocouple responsive to the temperature of the sample, a potentiometer automatically adjusted to balance the thermal electromotive force of the sample at the temperature of the sample, the sample having attained the predetermined increment or decrement in temperature, and means responsive to a balance between the thermocouple electromotive force and the potentiometer drop of potential for automatically adjusting the heating of the sample to develop a different temperature therein corresponding to a predetermined increment or decrement and for simultaneously adjusting the effective drop of potential of the potentiometer to a value corresponding to the electromotive force to be developed in the thermocouple after having attained the predetermined increment or decrement in temperature.

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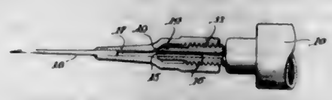
1,558,829. HYPODERMIC SYRINGE. WILLIAM BRODY, New York, N. Y. Filed May 1, 1924. Serial No. 710,878. 8 Claims. (Cl. 128—218.)



8. The combination with a hypodermic syringe having a nipple, of a needle shank having an opening to receive said nipple, said nipple being adapted to contact with the interior of the opening in the needle shank, at a single line about its surface.

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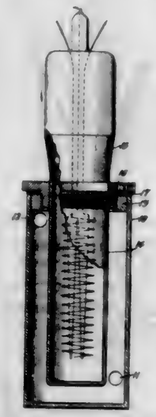
1,558,830. ELECTRON-DISCHARGE DEVICE. WILLIAM R. BROUGH, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 13, 1922. Serial No. 560,648. 1 Claim. (Cl. 250—27.)



In combination, a water jacket having an inwardly projecting screw-threaded annular flange, an electron discharge device comprising an envelope having a metal portion, and a screw-threaded collar carried by said metal portion to cooperate with said flange to produce a watertight connection between said water jacket and said metal portion.

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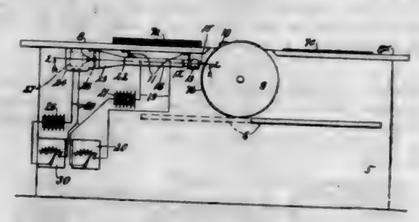
1,558,831. STATIC-ELECTRICITY REMOVER AND DRIER FOR PRINTING PRESSES. GEORGE W. BRUNNER, OTTO G. WOOD, and CHARLES P. WOOD, St. Paul, Minn. Filed Apr. 14, 1924. Serial No. 706,251. 3 Claims. (Cl. 34—18.)



1. The combination with a printing press, of an air-blowing tube arranged to distribute air against the printing paper between the time it is printed and the time it is delivered from the press, and means for heating said air before it reaches the paper; said air-blowing tube extending parallel to the face of the moving paper and having perforations in the side adjacent the paper; said tube having also a longitudinal wing to prevent upward escape of the heated air.

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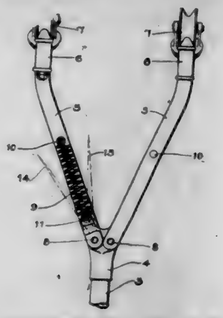
1,558,832. TROLLEY POLE. LELAND F. BURNHAM, Wilkinsburg, Pa., assignor to H. D. Nuttall Company, a Corporation of Pennsylvania. Filed July 5, 1922. Serial No. 572,932. 6 Claims. (Cl. 191—57.)

1. The combination with a trolley pole, of a pair of collector-supporting arms pivotally mounted thereupon,

a helical centering spring for each of said arms, one end of each spring being connected to its associated arm



at a point intermediate the ends of the arm and the other end thereof to the pole head.

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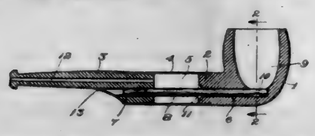
1,558,833. TOBACCO PIPE. ROBERT BUTLER, Boston, Mass. Filed Apr. 28, 1925. Serial No. 26,508. 4 Claims. (Cl. 131—12.)



1. A tobacco pipe having a condensing chamber, a mouthpiece having an inlet passage leading from the outside air to said chamber, a tube extending across the lower portion of the fire chamber of the bowl, thence through the condensing chamber and into said inlet air passage in the mouthpiece to communicate with the outside air, said tube having a port communicating with the fire chamber at or near the bottom of said fire chamber and so constructed and located that the smoke shall divide to enter the tube, said tube having intermediate its ends a port which communicates with said condensing chamber, the portion of the tube on one side of said last mentioned port constituting an air passage and the portion of the tube on the other side of said port constituting a smoke passage.

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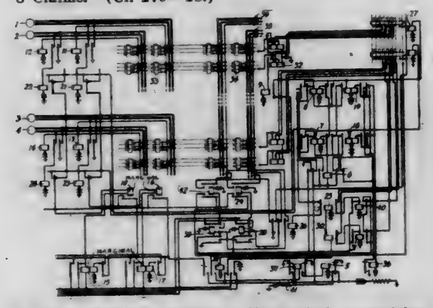
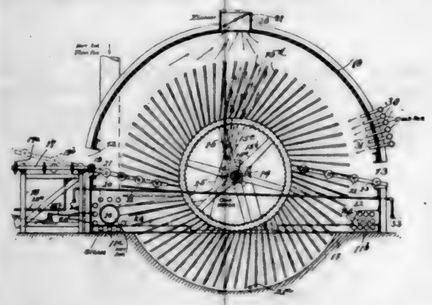
1,558,834. TELEPHONE SYSTEM. WARREN W. CARPENTER, Queens, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 31, 1923. Serial No. 660,305. 8 Claims. (Cl. 179—18.)



1. In a telephone system, a line switch comprising a plurality of sections each serving a different group of lines, a testing and controlling means common to all of said sections, and a marker for temporarily associating said means with said different sections.

1,558,835. DRIER. ROBERT CATHCART, Cleveland, Ohio, assignor to The Lino Paint Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 2, 1918. Serial No. 247,927. 22 Claims. (Cl. 34—19.)



11. In a drying apparatus, a chamber having an inlet opening at one point and an outlet opening at a different point, a conveyor for conveying articles from the inlet point to the outlet point, heating means extending adjacent the inlet point, means for conveying a heating medium and for discharging the same onto the articles carried by the conveyor while passing through a predetermined portion of their path of movement, means for directing a cooling medium onto the articles after passing from the heating medium, and an outlet at the top of the chamber.

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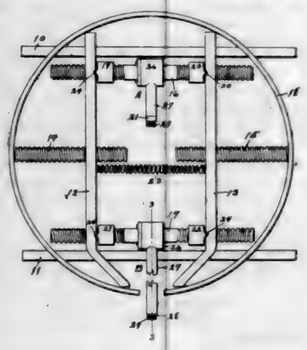
1,558,836. RING EXPANDER. FLOYD W. CHENOWETH, Perry, Iowa. Filed Mar. 10, 1921, Serial No. 451,282. Renewed Feb. 27, 1925. 4 Claims. (Cl. 157—1.)



1. A ring-expanding device of the class described, comprising a support, a bar fixed to said support, a bar parallel with the first bar and slidable on the support, separate pressure devices adjustably mounted at central portions of the respective bars, pressure devices mounted loosely through both of said bars adjacent the respective ends thereof, said last-named pressure devices having opposite screw connections with the respective bars, and lever means for rotating the last-named pressure devices.

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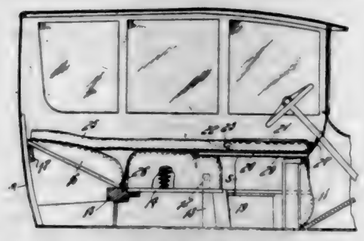
1,558,837. CONVERTIBLE BODY FOR MOTOR CARS. THEODORE CHREY and ERNEST R. MILLIGAN, Bremerton, Wash. Filed Jan. 22, 1924. Serial No. 687,851. 1 Claim. (Cl. 5—118.)

In a device of the class described, a mattress, a flexible supporting strip therefor, adapted to extend transversely of a vehicle body, means retaining the side edges



of the strip, reinforcing slats connected with the under side of a portion of said strip, movable resilient supporting elements under the forward and rear portions of the slats, and an additional movable resilient support



under that portion of the strip not reinforced by slats, said strip being secured at points adjacent to the rear base portion of one of the resilient supports for the slats, and being secured at the front end of the strip.

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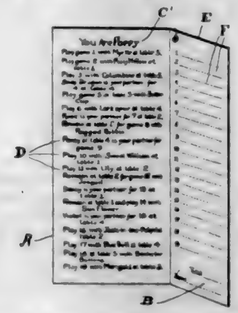
1,558,838. GUIDE AND SCORE CARD FOR CONTROL IN PROGRESSIVE GAMES. CHARLES S. CLARK, Kew Gardens, N. Y. Filed Oct. 17, 1923. Serial No. 669,006. 6 Claims. (Cl. 283—49.)



1. A series of guide cards for games of a progressive tournament, comprising a series of engraved, printed or like permanent guide forms including throughout a predetermined set of common-subject names as play-names, successive directions each coupling a play-name with the progressive order of games, and a different title on each card consisting of one only of said play-names.

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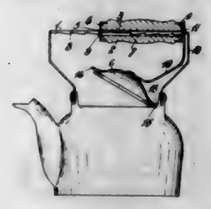
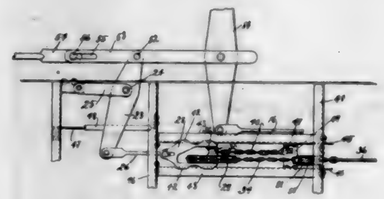
1,558,839. MEANS FOR USE IN RAISING THE LIDS OF KETTLES AND LIKE VESSELS. PERCY CLARK, Melbourne, Victoria, Australia. Filed Apr. 23, 1925. Serial No. 25,352. 6 Claims. (Cl. 53—9.)



1. A device for raising the lids of kettles, including a handle fastened to the kettle, a lid having an upstanding rigid link slidable on said handle, and a sliding member on the latter which controls the sliding of said link.

1,558,840. BRAKE MECHANISM FOR RAILWAY CARS. WILLIAM H. CLEGG, Montreal, Quebec, Canada, assignor to Universal Draft Gear Attachment Company, a Corporation of Illinois. Filed June 12, 1924. Serial No. 719,694. 3 Claims. (Cl. 254—149.)



1. In a brake mechanism for railway cars, the combination of a brake staff, a hand brake connection, a brake jaw attached to the connection, means to support the jaw with free longitudinal movement, a lever fulcrumed in the jaw having an arm provided with a drum surface of large diameter connected with a drum surface of small diameter by an inclined face, a chain co-operating with said drum surfaces and inclined face, and in winding engagement with the brake staff, said lever having another arm provided with a drum surface of small diameter and a chain cooperating with the last mentioned arm and an anchorage.

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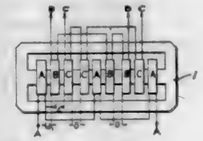
1,558,841. TRANSFORMER WINDINGS. HORACE L. COLE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 6, 1923. Serial No. 655,839. 8 Claims. (Cl. 175—356.)



1. In an electrical device, a core member, three or more series of coils thereon, said series of coils being so placed relative to one another that substantially equal distances, across which there is a magnetomotive force which produces leakage reactance, exist between the coils of any one series and the coils of any other series.

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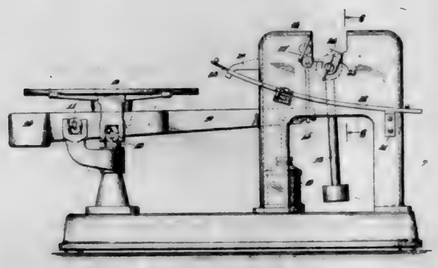
1,558,842. REVERSIBLE BADGE. LUTHER F. COLE, Sparks, Nev. Filed Oct. 6, 1924. Serial No. 742,050. 6 Claims. (Cl. 40—1.6.)

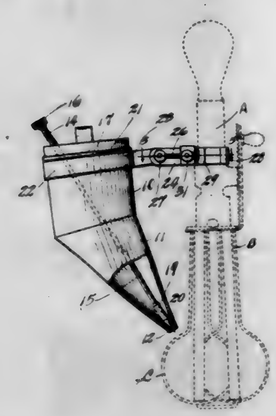
3. A reversible badge comprising a plate having indicia provided at each face thereof, and having an elongated slot adjacent one of its margins, a pin having an eye accommodated in said slot whereby the pin is pivotally connected to said plate, and a keeper shiftable to receive the free end portion of said pin at either face of said plate.

1,558,843. WEIGHT-INDICATING AND PRICE-COMPUTING SCALE. ROBERT CRAIG, Endicott, N. Y., assignor to The Computing-Tabulating-Recording Company, New York, N. Y., a Corporation of New York. Filed Oct. 28, 1919. Serial No. 333,902. 13 Claims. (Cl. 265—37.)



1. In a computing scale for weighing goods and multiplying factors representing the weight of the goods and price per unit-weight, the combination with a support adapted to receive the goods and to be moved thereby; and a calculating device comprising parts capable of relative adjustment and bearing logarithmic scales upon which the factors to be multiplied can be set off; of optical means controlled by said goods support and comprising a part displaced in accordance with the weight upon said support for setting off on said calculating device the logarithm of the factor corresponding to weight on one part of the device and simultaneously on another part the sum of the logarithms of weight and of price per unit-weight.

1,558,844. OIL DROPPER. JOHN J. CRONIN, Dallas, Tex. Filed Jan. 15, 1925. Serial No. 2,643. 2 Claims. (Cl. 221—1.)



1. In a device of the class described, a support having beaters thereon and including a frame, a clip for connection to said frame and having an extended arm, a clamp mounted upon said arm for sliding and rotative adjustment, and a receptacle carried by said clamp and discharging upon said beater and adjustable relative thereto.

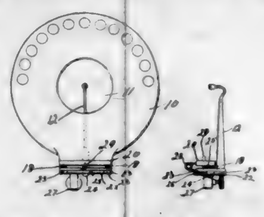
1,558,845. METHOD OF SIZING CELLULOSE FIBERS. JUDSON A. DE CEW, Mount Vernon, N. Y., assignor to Process Engineers Inc., New York, N. Y. Filed June 7, 1924. Serial No. 718,657. 8 Claims. (Cl. 92—21.)

1. The method of sizing paper which consists in withholding the precipitation of the rosin until after the beating action of the Jordan engine is complete.

1,558,846. PAPER-SIZING PROCESS. JUDSON A. DE CEW, New York, N. Y., assignor to Process Engineers, Inc., New York, N. Y., a Corporation of New York. Original application filed Apr. 11, 1923, Serial No. 631,371. Divided and this application filed July 14, 1925. Serial No. 43,621. 4 Claims. (Cl. 92—21.)

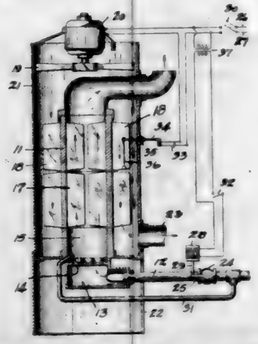
2. A method of sizing paper pulp, which consists in treating the pulp with rosin emulsions and colloidal aluminum hydrate, and after the rosin emulsions are coagulated, adding sulphate of alumina.

1,558,847. REPRODUCER MOUNTING. CHARLES J. DEL'MARMOL, Philadelphia, Pa. Filed Nov. 23, 1923. Serial No. 676,488. 6 Claims. (Cl. 274—35.)



1. In a reproducer mounting, the combinaiton of a rigid supporting member, a stylus bar supporting plate, pins carried by the latter and bearing against the former, a spring having its ends positioned for action upon the supporting plate at diagonally opposite locations, means to support the center of said spring from the supporting member, and a stylus bar and stylus holder carried by the supporting plate.

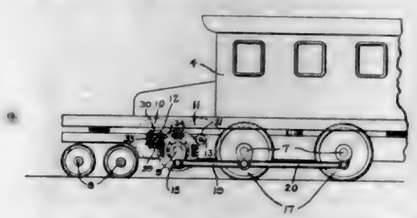
1,558,848. HEATER. WILLIAM A. DOBLE, Jr., San Francisco, Calif., assignor to Doble Laboratories, San Francisco, Calif., a Corporation of California. Filed Mar. 13, 1922. Serial No. 543,431. 4 Claims. (Cl. 126—90.)



4. In an air heater having an element which is heated by the combustion of fuel, means for supplying fuel to the heater, a fan for driving air past the heated element, a motor for driving the fan, a circuit for the motor and means operative solely by variations in temperature of the element for closing the circuit at a predetermined maximum temperature of the element and for opening the circuit at a predetermined minimum temperature of the element.

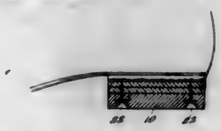


1,558,849. FLEXIBLE LOCOMOTIVE DRIVE. GEORGE M. EATON, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 11, 1921. Serial No. 468,595. 8 Claims. (Cl. 105—121.)



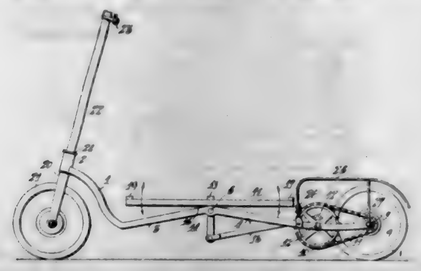
1. In combination, in a locomotive, traction wheels, a jack shaft extending transversely of the locomotive, gear centers mounted on the jack shaft, side rods connecting the traction wheels to the gear centers, gear rims carried by the gear centers, flexible elements enclosed between the gear rims and the gear centers, a pair of motors disposed on opposite sides of the jack shaft, and armature shafts driven by the motors and each provided, at its opposite ends, with pinions that mesh with the respective gear rims, the pinions of one of the said armature shafts being flexibly mounted.

1,558,850. RUBBER HEEL. WILLIAM G. EATON, Hull, Mass. Filed Aug. 23, 1922. Serial No. 583,820. 2 Claims. (Cl. 36—35.)



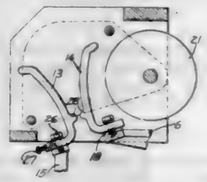
2. A rubber heel comprising a body portion provided with a plurality of nail washers embedded therein, and conical nail guides integral therewith extended and tapering from substantially the tread surface of the heel for directing nails from an automatic nailing machine through the nail washers.

1,558,851. TEETER CAR. LABROT S. EDWARDS and ROBERT O. CASE, Portland, Oreg. Filed May 18, 1925. Serial No. 31,116. 3 Claims. (Cl. 208—34.)



1. A teeter car comprising a frame, a driving wheel journalled at one end of said frame and a steering wheel mounted at the other end of said frame, said frame including forwardly and rearwardly inclined parts, a teeter platform mounted above said inclined parts, means for pivoting said platform at approximately its mid-length to said frame at the juncture of said inclined parts, a lever arm projecting from said platform at its pivot place, a crank shaft journalled in said frame and operative connections between said lever and crank shaft and between said crank shaft and said driving wheel.

1,558,852. ARC-EXTINGUISHING DEVICE. OTTO H. ESCHHOLZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 20, 1922. Serial No. 537,856. 7 Claims. (Cl. 175—294.)

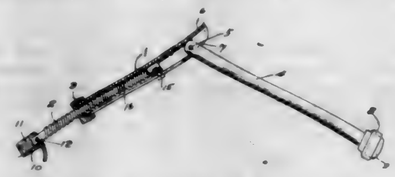


1. The combination with a pair of relatively movable contact members, of a pair of arcing horns located at a point removed from the contact members and spaced apart a distance less than the distance between the contact members when in fully-open position, and a blow-out device for rupturing arcs that form between the contact members and the arcing horns, the arcing horns having electrical connections to the contact members.

1,558,853. PROCESS FOR THE METALLIZATION OF PORCELAIN OR GLASS. ALPHONSE FLORENT EIJSSEN, Heerlen, Netherlands. Filed Dec. 12, 1924. Serial No. 755,580. 5 Claims. (Cl. 204—8.)

1. A process for metallising a dull surface of non-conducting hard material comprising rubbing the surface with a very small quantity of a viscous polyvalent alcohol by means of a metal brush and then depositing electrolytically a further metal coating.

1,558,854. BRAKE-ADJUSTING TOOL. NEIL FALCONER, San Francisco, Calif. Filed Dec. 22, 1924. Serial No. 757,570. 2 Claims. (Cl. 74—81.)

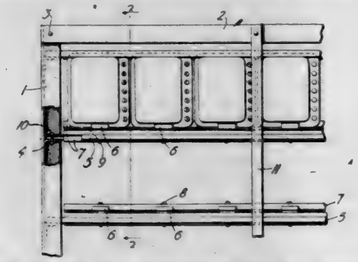


1. A tool of the character described comprising a tubular body, a threaded bar extending therefrom at one end and having a nut bearing against the end of the body, and a bar extending from and pivoted to the other end of the body.

1,558,855. APPARATUS RACK. JOSEPH C. FIELD, Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 7, 1921. Serial No. 506,164. 2 Claims. (Cl. 211—14.)

1. An apparatus rack comprising end standards, a two-branch strip, a plurality of two-branch resilient clips, a plurality of members between which said strip

and clips are clamped with the clips spaced apart thus forming a unit, means for securing a plurality of units so formed to said end standards in spaced relation, each



opposed pair of clips cooperating with the branches of said strip to attach a pair of oppositely faced pieces of apparatus having edge portions which slip into the grooves in said strip and snap into said clips.

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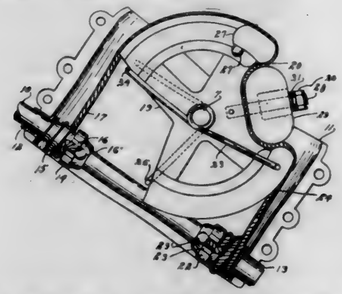
1,558,856. STEERING DEVICE. CHARLES L. FLORA, Sylvania, Ohio. Filed July 13, 1923. Serial No. 651,210. 6 Claims. (Cl. 74—79.)



1. A steering post, a pair of axially spaced grooved pulleys thereon, a member to be rocked, said member being provided with guide ways, flexible means fixed with each pulley and oppositely extending for coacting with the member guide ways and anchored with said member, and a take-up block carried by the member and engaging both flexible means.

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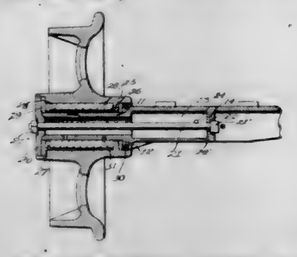
1,558,857. SELF-LUBRICATING AXLE. WALTER B. FLOYD, Columbus, Ohio, assignor to The Bonney-Floyd Company, Columbus, Ohio, a Corporation of Ohio. Filed Oct. 7, 1924. Serial No. 742,184. 6 Claims. (Cl. 308—103.)



1. As an article of manufacture, an integral axle for a car having hollow integral spindles at its ends, said axle being formed between said spindles with a separate integral lubricant reservoir for each spindle, the reservoirs leading into the spindles, means for passing the lubricant to the exterior of the spindles, and integral body attaching means extending outwardly from the axle between the spindles.

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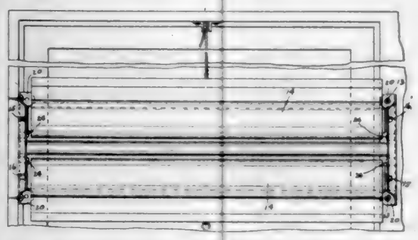
1,558,858. REVERSIBLE BRACKET AND SHIELD FOR DOUBLE-SHADE ROLL. WILLIAM H. FORSE, JR., Anderson, Ind. Filed Mar. 28, 1925. Serial No. 19,073. 8 Claims. (Cl. 156—10.)



1. The combination with a plurality of roller shades, of a relatively rigid shade guard and light shield strip including a reinforcement and abutment forming longitudinally extending corrugated portion at each end, and a pair of brackets each having sockets for supporting said shades and a pair of groove forming projecting portions for securing said strip, said abutment forming corrugation being positioned between said groove forming projections for limiting movement of the shield in opposite directions in one groove.

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1,558,859. ELECTROLYTIC CONDENSER. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 17, 1920. Serial No. 389,595. 2 Claims. (Cl. 175—318.)

1. A structure for electrolytic condensers and the like comprising a pair of electrodes of filming material having a plurality of filming elements extending therefrom and so connected at their ends that the elements of one electrode project between the elements of the other.

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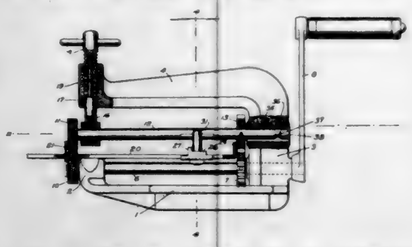
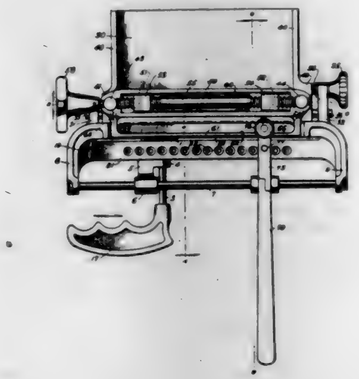
1,558,860. BELT-SLITTING MACHINE. ALEC J. GERRARD and LEROY F. HINTZ, Chicago, Ill.; said Hintz assignor to said Gerrard. Filed Apr. 29, 1924. Serial No. 709,798. 8 Claims. (Cl. 164—39.)



1. In a machine for trimming belts the combination of a cutter; a stationary driving shaft; a pivoted driven shaft geared thereto between said pivot and said cutter; means to propel a belt past said cutter; and means to vary the pressure of said propelling means.



1,558,861. BELT SQUARING AND PUNCHING MACHINE. ALEC J. GERRARD, Chicago, and LEROY F. HINTZ, Highland Park, Ill.; said Hintz assignor to said Gerrard. Filed May 13, 1924. Serial No. 712,977. 15 Claims. (Cl. 164—15.)



1. In a belt squaring and punching machine the combination of a table; means to hold a belt on said table; means to cut square the end of the held belt; means to punch holes in the said belt; and means to adjust the held belt relatively to the punching means.

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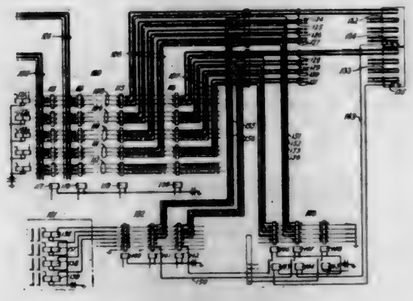
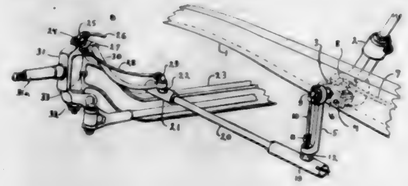
1,558,862. CONTROLLING MECHANISM. EARL S. GIBSON, Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 20, 1923. Serial No. 663,747. 9 Claims. (Cl. 179—27.)



1. In combination, a group of trunks, an automatic switch for selecting said trunks, a controlling device for controlling the selective operation of said switch, a multi-contact relay having a contact for each of said trunks, manual means, and means controlled jointly by said device and by said manual means for operating said relay to place a busy condition upon each of said trunks.

1,558,863. MEANS FOR LUBRICATING DRAG-LINK CONNECTIONS OF THE STEERING GEAR OF VEHICLES. FREDERICK H. GLEASON, New York, N. Y. Filed Sept. 22, 1921. Serial No. 502,890. 12 Claims. (Cl. 184—7.)



9. In a lubricating structure the combination with a steering gear shaft, of a drag link having a bearing, means for supplying lubricant to the steering gear shaft, and means for conveying lubricant from the steering gear shaft to the drag link bearing.

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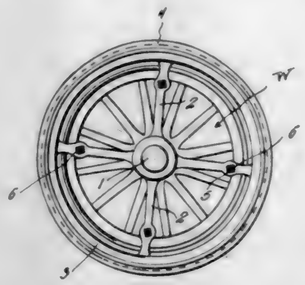
1,558,864. EMERGENCY WHEEL. JEAN T. GOYETTE, Cambridge, Mass. Filed July 29, 1924. Serial No. 728,918. 1 Claim. (Cl. 301—38.)



An emergency vehicle wheel embodying a central cup shaped cap for reception of the hub of the vehicle wheel, a rim, a plurality of radiating spokes connected at their inner ends to said cap and at their outer ends to said rim, said spokes being provided with transverse holes inward of said rim, a tire carried by said rim, and a plurality of hooked retaining bolts carried by said spokes and having their shanks extending through the holes in the latter.

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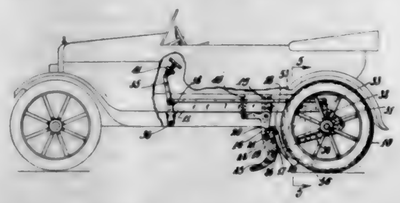
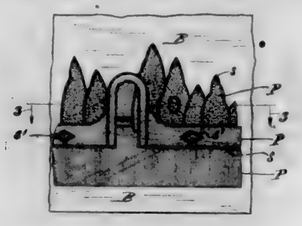
1,558,865. COMBINATION BRAKE AND NONSKID DEVICE FOR VEHICLES. MORRIS GREENMAN, New York, N. Y. Filed Mar. 9, 1923, Serial No. 623,984. Renewed Sept. 4, 1925. 4 Claims. (Cl. 188—4.)



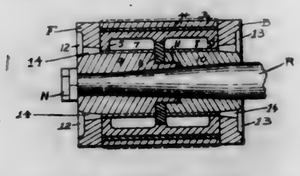
4. In an automobile, a brake shoe adapted to engage the wheel thereof, a non-skid member adapted to engage the ground, a sand delivery device, and a common operating means for all of the said parts.

1,558,866. DECORATIVE FABRIC. MORRIS W. GREENSTEIN, New York, N. Y. Filed Apr. 8, 1925. Serial No. 20,396. 2 Claims. (Cl. 2—278.)



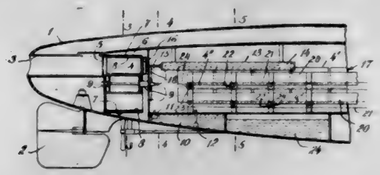
2. As an improved article of manufacture a decorative fabric adapted for the penetration of light therethrough, the same comprising a base of textile fabric, and patches of contrasting designs and colors superposed thereupon and united thereto by open-work stitches following the contour of such patchwork, the material embraced within said stitching being of multi-ply.

1,558,867. PLUNGER. DOLPHICE H. GREENWOOD, Pasadena, Calif. Filed Mar. 19, 1925. Serial No. 16,674. 14 Claims. (Cl. 74—109.)



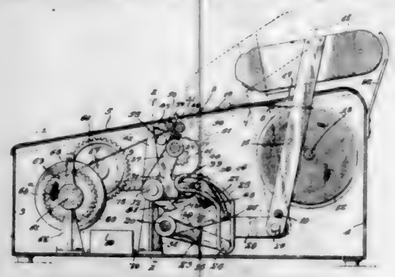
1. In a piston, in combination, a set of metallic members, a set of flanged packing members positioned between said metallic members, said packing members being composed of relatively pliant and rigid materials molded together, all of said members being provided with means whereby they may coact effectively to prevent any fluid from by-passing said members when said piston is subjected to fluid pressure.

1,558,868. MINE-DISCHARGING DEVICE. HUGO E. GRIESHABER, Groton, Conn., assignor to Electric Boat Company, a Corporation of New Jersey. Filed Oct. 29, 1923. Serial No. 671,290. 10 Claims. (Cl. 114—17.)



1. A device of the type described, comprising a mine discharge tube, a chamber arranged in close proximity to said discharge tube and having an outboard scuttle opening into said tube, a casing disposed within said chamber and having a plurality of mine tubes therein, said casing being movably mounted so that the mine tubes may be made to register consecutively with said discharge tube, and means for discharging the said registering mine through said discharge tube.

1,558,869. CHECK PROTECTOR. CHARLES A. GULLING and EVERETT W. CHENEY, Reno, Nev. Filed Nov. 25, 1924. Serial No. 752,149. 15 Claims. (Cl. 101—19.)

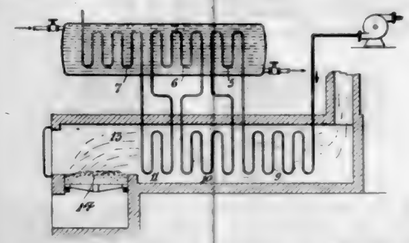


1. A check protector comprising means for carrying a roll of connected stubs and checks, a movable printer, means for causing the printer to move into printing relation with a check and back to normal inoperative position, means actuated to move the printed check, and means for defacing the printed portion of the check.

1,558,870. NECKTIE HOLDER. SHIGEZO HAMANO, Kure City, and TARO HAMANO, Higashi-Katsushika, Japan. Filed July 8, 1925. Serial No. 42,185. 3 Claims. (Cl. 24—57.)

1. As an article of manufacture, a neck tie holder of the character designated, comprising a cross head section and a brace section, the latter formed with a yoke for engagement with a collar button, said sections being adjustively united by male and female screw connections, substantially in the manner and for the purpose set forth.

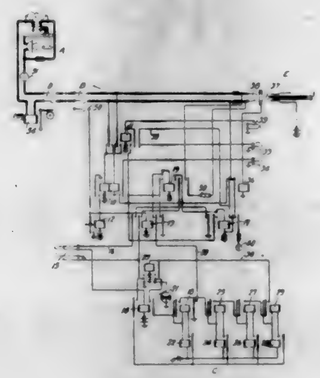
1,558,871. METHOD OF CONVEYING HEAT ENERGY. JOHN N. DUNDAS HENNAN, Old Colwyn, England, assignor to Power Specialty Company, New York, N. Y. Filed Dec. 11, 1918. Serial No. 266,221. 1 Claim. (Cl. 122—4.)



A fluid heater comprising a receptacle for the fluid to be heated, a plurality of heating coils in said receptacle adapted to heat the fluid by a transfer of heat from a heating medium flowing therethrough, each said coil having a progressively greater heating area than the preceding coil from which heating medium is received, a source of heat, a plurality of superheater coils connected intermediate said heating coils and adapted to receive heat from said heat source and to reheat the heating medium flowing therein, said successive superheater coils having a progressively greater heating area as the distance from the heat source increases.

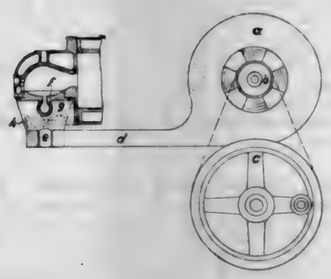


1,558,872. TELEPHONE SYSTEM. EUGENE C. HELWIG, Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 3, 1923. Serial No. 622,494. 11 Claims. (Cl. 179—27.)



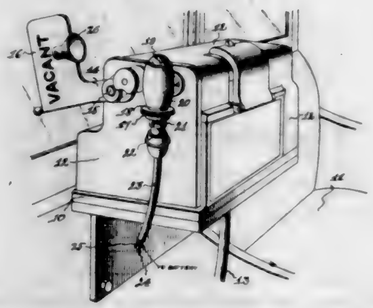
1. In a telephone system, a subscriber's station, an impulse sender, a link circuit adapted to be connected with said station, a signal associated with said link circuit, an automatic switch controlled by said sender for seizing said link circuit, and a chain of pairs of relays operable responsive to the seizure of said link circuit and independent of further actuation of said impulse sender for effecting the operation of said signal at a predetermined length of time after the link circuit is seized.

1,558,873. INTERNAL-COMBUSTION ENGINE. FRANZ-JOSEF HERMANN, Singen-Hohentwiel, Baden, Germany, assignor to Firm of Heinrich Lanz, Mannheim, Germany. Filed Feb. 6, 1925. Serial No. 7,425. 6 Claims. (Cl. 123—32.)



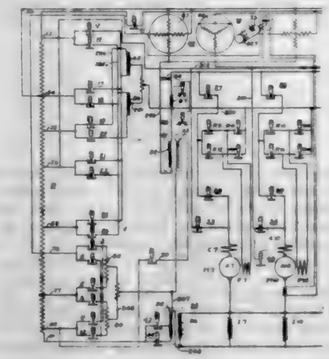
1. In an internal combustion engine, an incandescent head, a receptacle associated with said head and adapted to receive solid fuel the burning of which will heat said head, and means for delivering a current of air to said container to support the combustion of the fuel therein.

1,558,874. INDICATOR FOR TAXIMETERS. HOWARD B. HEWITT, Philadelphia, Pa. Filed July 23, 1924. Serial No. 727,682. 8 Claims. (Cl. 116—134.)



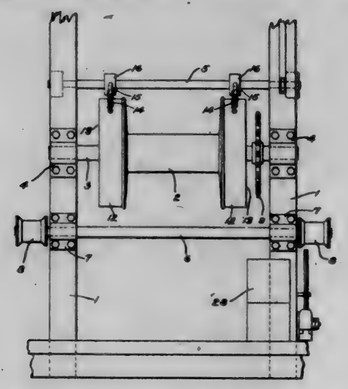

1. The combination of a taximeter, a signal, an indicator in juxtaposition to the signal and controlling the operation or inoperation of the taximeter, and means on said indicator for eclipsing said signal when said indicator is in a position to cause the inoperation of the taximeter.

1,558,875. SYSTEM OF CONTROL. LLOYD J. HIBBARD, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed Dec. 17, 1919, Serial No. 345,486. Divided and this application filed Oct. 24, 1923. Serial No. 670,452. 6 Claims. (Cl. 172—179.)



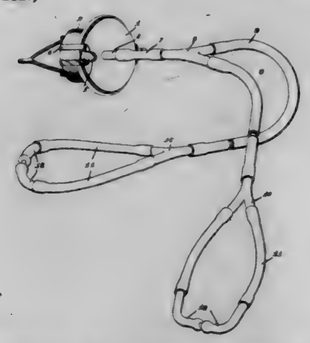
1. In a system of control, the combination with an alternating-current commutator motor having an interpole field winding, of a transformer for energizing the field winding, and means responsive to the load current adapted to automatically vary the ratio of the transformer primary and secondary voltages to vary the voltage applied to the interpole field winding.

1,558,876. BRAKING SYSTEM FOR ELECTRIC EARTH-BORING MACHINES. FREDERIC W. HILD, Los Angeles, Calif. Filed July 28, 1923. Serial No. 654,303. 9 Claims. (Cl. 188—174.)



5. A brake mechanism comprising a brake drum and a plurality of friction bands, means for releasing said bands from the drum and a gravity-actuated weight for engaging said bands with the said drum.

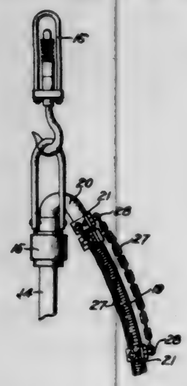
1,558,877. ATTACHMENT FOR TELEPHONE RECEIVERS. HARRY T. HIPWELL, Pittsburgh, Pa. Filed July 31, 1922. Serial No. 578,718. 1 Claim. (Cl. 179—182.)



An attachment for a telephone receiver, including a concavo-convex disk having a single opening therein, said opening being located at the center of the disk, diametrically opposed ears extending from the margin of the disk, a soft packing constituting a covering for the convex face of the disk for engaging the concave surface of a telephone receiver, there being a central opening within the packing concentric with the aperture in the disk, a nipple integral with the disk and communicating with the opening, separate sound conducting tubes in communication with the nipple, and an elastic band having opposed portions engaging the respective projections, said band cooperating with the projections to hold the attachment to a telephone receiver.

1,558,878. SAFETY ATTACHMENT FOR ROTARY HOSE. JAMES E. HITCHCOCK, Fullerton, Calif. Filed Feb. 10, 1923. Serial No. 618,331. 3 Claims. (Cl. 137—90.)

1. In a safety attachment for rotary hose, the combination of: a swivel; a standpipe; a flexible rotary hose connecting said swivel to said standpipe and exposed to special wear and strain in the region of this connection; a clamp secured on said hose between said



standpipe and said swivel; and non-extensible flexible means connecting said clamp to said swivel in such manner as to restrain the movements of said hose in case of breakage in said region.

1,558,879. LINEAR MEASURE OR SCALE. FREDERICK HENRY HOARE, London, England. Filed Mar. 12, 1924. Serial No. 698,674. 9 Claims. (Cl. 33—161.)

6. A linear measure or scale comprising in combination a hollow main body portion, a telescopic extension adapted to form a continuation from one end of said body portion, said extension unit being adapted to telescope within said hollow body portion, a member slidably secured to said body portion to be extensible from the other end thereof in the direction of its length and having a linear scale thereon reading from the outer end inwards, and an index secured to said body portion and arranged to read against the zero of the said scale when the member is in its retracted position.

1,558,880. SOLVENT AND VEHICLE FOR RESINOUS AND GELATINIZED MATERIAL. CARL D. HOCKER, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 11, 1919. Serial No. 344,178. 8 Claims. (Cl. 134—26.)

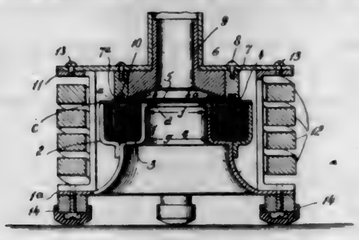
1. The process of forming a composition of matter which comprises adding free fatty acid to gelatinized castor oil.

1,558,881. LOUD-SPEAKING TELEPHONE. MARCUS C. HOPKINS, Washington, D. C., assignor, by direct and mesne assignments, to Hopkins Corporation, a Corporation of Delaware. Filed May 9, 1924. Serial No. 712,012. 14 Claims. (Cl. 179—115.)

1. In a telephone instrument, means for maintaining a continuous magnetic field, a diaphragm therein, supporting means for said diaphragm, the peripheral portion of said diaphragm extending beyond said supporting means, and magnetic means operable to actuate the peripheral portion of said diaphragm.

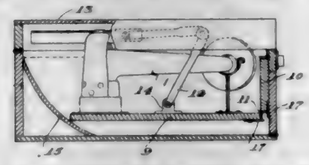


11. In a telephone instrument, a diaphragm, means for producing a continuous magnetic field for said dia-



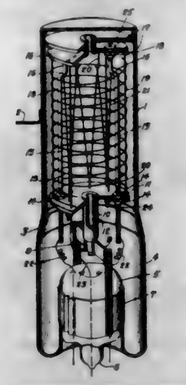
phragm, said means comprising a permanently magnetized bar of helical form with its poles on opposite sides of said diaphragm.

1,558,882. SOUND-REPRODUCING MACHINE. THOMAS HOUGH, London, England. Filed June 28, 1922. Serial No. 571,454. 3 Claims. (Cl. 274—2.)



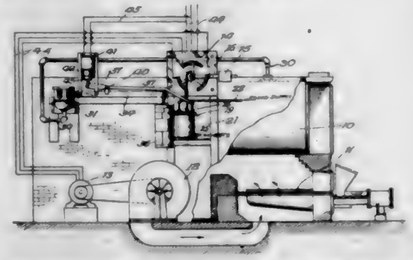
8. In a sound reproducing machine, the combination with a turntable, a tone arm and a casing for housing said turntable and said tone arm and including a lid adapted to move into and out of closed position covering said table and arm, of a platform adapted to be raised and lowered relatively to and alongside said turntable inside the casing comprising a pair of depressible platform leaves hinged together, one of said leaves being hinged to said casing, said tone arm being carried by the other leaf, a curved guide adapted to support the tone arm carrying leaf as it rises and falls and means including a jointed stay connecting the tone arm carrying leaf with said lid and adapted to raise and lower said platform leaves as the lid is opened and closed.

1,558,883. VACUUM TUBE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 20, 1921. Serial No. 462,916. 5 Claims. (Cl. 250—27.)



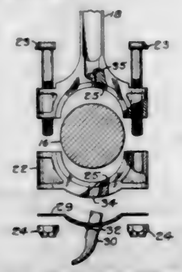
1. An electron discharge device comprising an evacuated vessel having a stem, an insulating plate supported from said stem, rods mounted in said plate near the periphery thereof, a second insulating plate supported by said rods and a filamentary cathode strung between said plates, each end of said cathode being connected to one of said rods adjacent said second plate.

1,558,884. PRESSURE-CONTROLLED MEANS FOR MOTOR REGULATION. CURTIS L. HOWSE, Detroit, Mich., assignor to Craig Damper Regulator Company, a Corporation of Delaware. Filed Mar. 2, 1922. Serial No. 540,650. 3 Claims. (Cl. 236—26.)



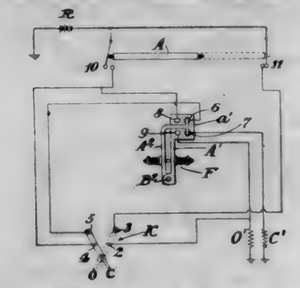
3. The combination with a source of supply of variable fluid-pressure, a motor to be driven at variable speeds according to variations of said pressure, and a speed-controlling rheostat for said motor having a movable element, of means for governing the position of said element including a piston connected with said arm, a hydraulic cylinder for said piston having provision for liquid supply, and a valve movable to control the position of said piston in the cylinder, a pressure-responsive device connected with the source of variable pressure, and operating connections between said pressure-responsive device and said valve including two levers pivotally connected and an electro-responsive device normally rigidifying said levers and adapted to release one said lever for pivotal movement on the other to free said valve for movement independently of the pressure responsive device.

1,558,885. INTERNAL-COMBUSTION ENGINE. GEORGE HUNT, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Oct. 8, 1924. Serial No. 742,474. 5 Claims. (Cl. 184—13.)



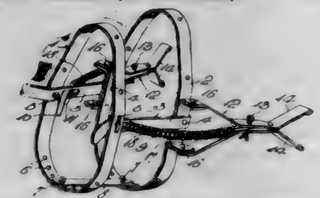
4. In combination with a connecting rod cap provided with bolt receiving openings adjacent its side edges and a central opening leading from the bearing surface to the lower face, an oil dip member comprising an attaching part and a dip portion, said attaching part comprising a sheet metal member formed to match the lower face of said cap and being provided with openings matching the openings in said cap, said dip portion comprising a tubular member received in the central opening in said attaching part and projecting above and below the same, the lower projecting portion being formed to provide a scoop face and the upper projecting portion being received in the central opening in said cap to locate said part in respect to said cap and being provided with outwardly bent portions to secure said dip portion to said attaching part.

1,558,886. AUTOMATIC REVERSER FOR DOOR ENGINES. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Mar. 22, 1922. Serial No. 545,916. 12 Claims. (Cl. 268—8.)



1. The combination with a door-engine, of a yielding connection between it and the door, a magnetic controller for the engine, a hand-switch therefor, and a switch operated by said yielding connection for automatically reversing the effect of said controller.

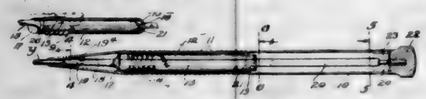
1,558,887. ANIMAL HEAD CHECK. LEWIS JACKSON, Simpson, Kans. Filed Mar. 30, 1925. Serial No. 19,441. 5 Claims. (Cl. 119—136.)



1. A device of the class described comprising a collar adapted to surround an animal's neck, choking means carried by said collar and projectible inwardly therefrom, and operating means for said choking means carried also by the collar and including rearwardly projecting members for disposition at opposite sides of the animal's body.

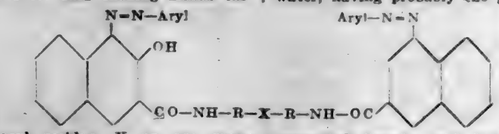
1,558,888. BAKING POWDER. ROBERT E. JONES, Longmont, Colo. Filed Feb. 14, 1925. Serial No. 9,346. 5 Claims. (Cl. 99—10.)

3. A baking powder comprising calcium acid phosphate, sodium bicarbonate, cornstarch and taka-diastase.

1,558,889. PENCIL. FERDINAND KAISER, St. Paul, Minn., assignor of one-half to George B. Leonard, Minneapolis, Minn. Filed Nov. 28, 1921. Serial No. 518,175. 8 Claims. (Cl. 120—18.)

1. A pencil comprising an outer shell having pressed internal threads, a resilient tubular combined lead pusher and lead magazine having pressed threads engageable with the pressed thread of said outer shell, an operating stem rotatable with said combined lead pusher and magazine but permitting the latter to slide thereon, and an operating head connected to the outer end of said operating stem, said combined lead pusher and magazine being made from a single piece of sheet metal bent to form a cylindrical magazine with threads thereon and with closed ends, one of the ends having an integral extension bent to form a stem terminating in a lead-receiving socket.

1,558,890. PROCESS FOR THE PRODUCTION OF NEW AZO DYESTUFFS INSOLUBLE IN WATER. GEORG KALISCHER, Mainkur, near Frankfort-on-the-Main, and KARL KELLER, Frankfort-on-the-Main, Germany, assignors to Leopold Cassella & Co., Gesellschaft mit beschränkter Haftung, a Corporation of Germany. Filed Mar. 24, 1925. Serial No. 18,054. 3 Claims. (Cl. 260—81.)

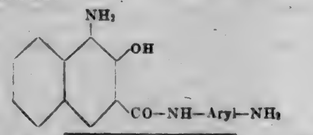
1. As new compounds the azo dyestuffs, insoluble in water, having probably the general formula:



wherein R means an aryl residue, X an azo group

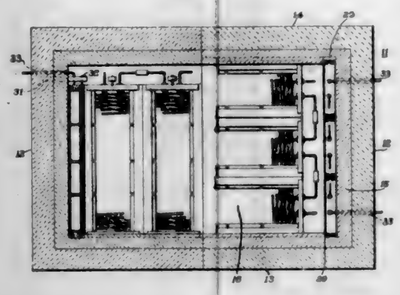
or an azoxy group

which when dry are orange to black powders, dissolving in sulfuric acid with a green to violet color and yielding upon reduction with stannous chloride two molecules of an aromatic amine and an aminoarylide of 1-amino-2- hydroxynaphthalene-3-carboxylic acid of the general formula:



1,558,891. ELECTRIC HEATING UNIT. ALVIN D. KEENE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1923. Serial No. 680,893. 3 Claims. (Cl. 201—63.)

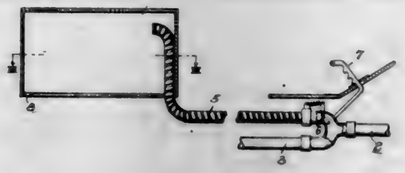
1. In an electric heating unit, the combination with a metal frame, and a plurality of refractory members supported thereby and having a plurality of spaced pockets in one surface thereof, of a resistor member



wound in a double pitch flat helix extending between spaced refractory members and having the rounded end portions located in said pockets.

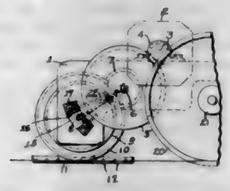


1,558,892. ANIMAL CARRIER. ROBERT KENNINGTON and ROBERT S. SHEARN, Pittsburgh, Pa. Filed Apr. 18, 1925. Serial No. 22,543. 2 Claims. (Cl. 48—125.)



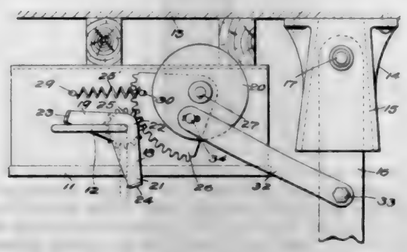
1. In a motor-driven vehicle the combination with the internal combustion engine which drives the vehicle of a chamber with a door in its wall borne by the vehicle, the exhaust pipe from the engine opening into the chamber.

1,558,893. ELECTRIC RACK-LOCOMOTIVE DRIVE MECHANISM. HARALD A. KJELSBERG, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 6, 1922. Serial No. 592,781. 4 Claims. (Cl. 105—29.)



1. In combination with a rack-locomotive drive mechanism, means for vertically adjusting the horizontal axis of the rack gear relative to the working surface of the rail, said means comprising an adjustable spacing link connected at its respective ends to the rack gear and to the drive-gear axles and adapted to be fixed in its operative positions.

1,558,894. SWITCH-OPERATING MECHANISM. HUBERT K. KRANTZ, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 21, 1920. Serial No. 432,339. 10 Claims. (Cl. 74—14.)



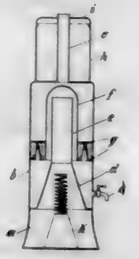
1. Mechanism for operating a switch having an operating shaft, a lever having a lost-motion connection therewith, and an operating member for actuating the said lever and normally yieldingly retained in a neutral position permitting independent movement of the said shaft to operative and inoperative positions.



1,558,895. INDICATING MEMBER. PAUL KREISEL, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 12, 1923. Serial No. 638,622. 7 Claims. (Cl. 116—129.)

4. An indicating device for a measuring instrument comprising a flat sheet-metal target having longitudinally aligned spaced raised portions of substantially U-shape in cross-section on one side thereof and a depressed portion of similar cross-section extending longitudinally between said portions to therewith constitute a socket, and a pointer having an end portion for insertion in said socket, the arrangement of parts operating when pressure is applied normal to the flat surface of the target, to bend the pointer between said raised portions to hold the target and pointer together.

1,558,896. EXTRACTING OR COFFEE MACHINE. LEOPOLD KIRSCHMANN, Berlin-Halensee, Germany. Filed Dec. 20, 1923. Serial No. 681,778. 1 Claim. (Cl. 53—8.)



An extracting- or coffee machine comprising in combination a hollow base, an outer cylindrical body on said base closed at both ends and having a central opening in the bottom plate, a source of heat in said hollow base projecting into the lower end of said cylindrical body, an upwardly projecting truncated cone on the bottom plate of said cylindrical body, a hollow cylinder open at both ends mounted on said truncated cone, a hood over the upper end of said cylinder, a double wire gauze fixed on the outer surface of said hood and on the inner surface of said cylindrical body and designed to receive the material to be extracted, a water reservoir on the perforated top plate of the cylindrical body, a tube serving as chimney for the heating gases extending from the top plate of the cylindrical body traversing said water reservoir and projecting through the lid of the same, and a tap cock at the lower end of said cylindrical body.

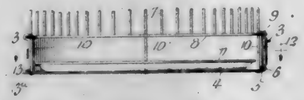
1,558,897. ALUMINUM CHLORIDE PROCESS. HENRY I. LEA, Santa Monica, and CLIFFORD W. HUMPHREY, Burlingame, Calif. Filed June 20, 1923. Serial No. 646,556. 10 Claims. (Cl. 23—95.)

1. A process that includes decomposing aluminum sulphate to separate its aluminum oxide content from its sulphur-oxygen content, using the sulphur-oxygen content for the production of a chlorinating agent, and chlorinating the oxide with that agent.

1,558,898. RAILROAD TICKET HOLDER, TIME TABLE, AND ADVERTISING DEVICE. WENDELL L. LEDINE, New York, N. Y. Filed May 10, 1922. Serial No. 559,731. 5 Claims. (Cl. 283—23.)

1. A holder for a transportation ticket having thereon indications corresponding to a plurality of trips between two stations, comprising a single sheet of stiff material foldable along a fold line to form two leaves and having on one face a time table between said stations, other space on the sheet being available for advertising matter, and hinging means of thin material at one edge of one of said leaves for attachment to one edge of the ticket so that the latter will be enclosed by the folder for protection thereby while leaving all faces of the leaves available for inspection of the matter appearing thereon.

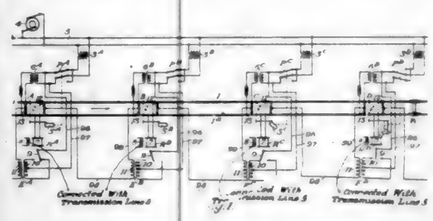
1,558,899. BIRDCAGE. LEWICKI J. LEON, Chicago, Ill. Filed June 23, 1924. Serial No. 721,676. 8 Claims. (Cl. 119—17.)



8. A bird cage, comprising a cage body and base, both circular in shape, said base having a surrounding marginal wall and a bottom wall, the latter being spaced below said cage body, a ring surrounding the cage body at its lower end and carried thereby, rods extending between said ring and bottom wall and connecting the two together, said marginal wall having a fixed and a hinged section, the latter for opening the base through its marginal wall, said rods being inside said fixed section, and a member inside said hinged section and being hinged at its lower end and having a hook at its other end to releasably engage said ring, the latter having a notch to receive said hook.

1,558,900. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LLOYD V. LEWIS, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 28, 1924. Serial No. 709,398. 3 Claims. (Cl. 246—63.)

1. In combination, a stretch of railway track divided into sections, means for supplying two alternating currents to the rails of each section, means responsive to the presence of a train in any one section for discontinuing the supply of one said current from the section in the rear and reversing the relative polarity of one said current in the second section in the rear; and train carried apparatus controlled by said currents and operating to enforce a high speed limit when both currents are present and one is of reverse relative polarity and a low speed limit when the supply of either current is discontinued, said apparatus operating to permit unlimited speed when both of said currents are present and both are of normal relative polarity.



1,558,901. PROCESS OF MAKING ALKALI-METAL CARBONATE. GEORGE NELSON LIBBY, Redwood City, Calif., assignor to National Magnesia Manufacturing Company, San Francisco, Calif., a Corporation of California. Filed May 25, 1922. Serial No. 563,705. 8 Claims. (Cl. 23—63.)

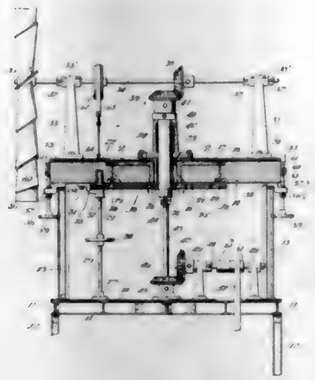
2. The process of making sodium carbonate which comprises adding finely divided magnesium oxide to a saturated solution of trona.

1,558,902. WELL-FISHING TOOL. BERT L. LIGON, Electra, Tex. Filed Feb. 1, 1924. Serial No. 689,913. 1 Claim. (Cl. 294—114.)

A well fishing tool comprising in combination a tubular casing having a transverse slot communicating with its lower opened end, a pair of arms, means for pivotally connecting the lower end of each to the inner wall and adjacent the lower end of said casing, notched gripping members normally projecting within the slot of the casing, means for pivotally connecting the medial portion of said gripping members to the upper ends of said arms, sockets carried by said arms and inner walls of said tubular casing, and coil springs arranged in said sockets for normally forcing said gripping members towards one another.



1,558,903. WINDMILL. JOHN MALUCHNIK, Chicago, Ill. Filed Mar. 18, 1925. Serial No. 16,415. 1 Claim. (Cl. 170—77.)

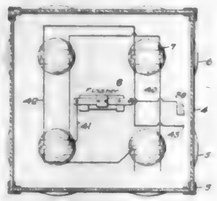


In a windmill, a platform, a disk thereupon, a sleeve in said disk, said sleeve passing through a central bore in said platform, a turn-table on said platform, a sleeve in said turn-table, said sleeve passing through the first mentioned sleeve, the lower end of said second named sleeve projecting beyond the lower plane of said platform and having reduced portions at two diametrically opposite points on its periphery, a spur gear, said spur gear having an elliptical bore for receiving said projecting end of said second named sleeve, a horizontal shaft upon said turn-table, a wind wheel upon said shaft, a vertical shaft cooperating with said horizontal shaft for transmitting the power therefrom, said upright shaft passing through the said second named sleeve, and means for turning bodily said horizontal shaft and said wind wheel.

1,558,904. TIRE BUILDING. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Apr. 7, 1921. Serial No. 459,330. 7 Claims. (Cl. 154—14.)

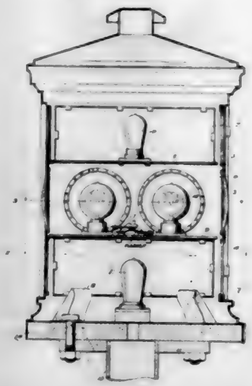
1. In the building of a tire casing, stretching upon an annular former with undercut sides an endless band of tire building material of an initial circumference substantially that of the base of the former, whereby the side portions of the material are caused to extend free of the undercut sides of the former and substantially parallel to the plane of the former, and conforming the side portions of the so placed material to the former by pressure applied substantially axially of the former and simultaneously throughout a circumference of the material.

1,558,905. STREET SIGNAL LAMP. FOSTER MILLIKEN, Lawrence, N. Y. Filed Dec. 17, 1920. Serial No. 431,408. 1 Claim. (Cl. 177—329.)



In a device of the type described, a substantially square casing, a pair of lenses in each wall of the casing, and four lamps in the casing positioned so that there is a lamp substantially at each intersection point of lines drawn between the axes of opposite lenses.

1,558,906. STREET SIGNAL LAMP. FOSTER MILLIKEN, Lawrence, N. Y. Filed Feb. 21, 1922. Serial No. 538,304. 8 Claims. (Cl. 177—329.)

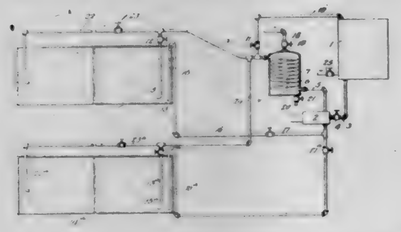


6. In a lamp of the class described, a pair of spaced compartments, a light source in each thereof, windows at the periphery of said compartments adapted to show separate and similarly shaped areas of light from the respective light sources, a third compartment intermediate said two compartments and containing a lamp, means for flashing said lamp, and lenses at the periphery of said third compartment arranged intermittently to show spaced defined spots of light intermediate said areas of light as said lamp flashes.

1,558,907. HEATING SYSTEM. BERNARD MILLS, Brooklyn, N. Y., assignor to Row & Davis Engineers, Inc., a Corporation of Delaware. Filed May 10, 1922. Serial No. 559,862. 20 Claims. (Cl. 126—344.)

12. The method of rendering mobile, the congealed oil of storage tanks which comprises forcing heated oil at a high velocity into the interior of said tank in direct contact with the congealed oil therein to mechanically disintegrate the mass of congealed oil within its range

and by the heat of the injected oil render mobile the congealed oil, removing the mobile mixture from a point in the storage tank distant from the point of injection



of the hot oil, and heating a portion of the removed mobile mixture, and returning it to the storage tank to render mobile a further amount of the congealed oil.

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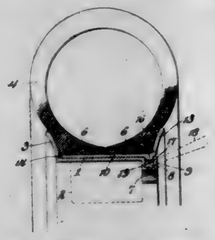
1,558,908. AUTOMOBILE WHEEL RIM. GEORGE T. NICHOLS, Gainesville, Tex. Filed Mar. 10, 1924. Serial No. 698,248. 4 Claims. (Cl. 301—35.)



1. A wheel rim comprising a complete base ring having one edge flanged continuously to form one of the flanges for the tire, and a locking ring section overlying the base ring for its full width and also having a flange at one edge, that edge of the base ring opposite the continuously flanged edge being provided with a plurality of sockets which extend inwardly from the base ring and are open at the outer face of the base ring but are closed at their ends, and the locking ring section having at the flanged edge a corresponding number of inwardly extending lugs depending from the inner face of the ring section to engage in the sockets.

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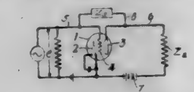
1,558,909. SELECTIVE CIRCUITS. HAROLD WILLIAM NICHOLS, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 29, 1921. Serial No. 511,475. 31 Claims. (Cl. 179—171.)



1. In an electric circuit, a relay device having input and output circuits, and means connected between said circuits to substantially completely prevent the flow of waves of a given frequency through said output circuit.

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1,558,910. ELECTRIC BATTERY. PAUL E. NORRIS, Wilkinsburg, Pa., assignor to Westinghouse Union Battery Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 554,752. 2 Claims. (Cl. 136—168.)

1. A storage battery comprising a jar, a metallic cell cover thereon provided with two holes, an insulating member comprising two hollow legs passing through said two holes respectively, and two plates in said jar provided with lugs passing upwardly through said two hollow legs to form terminal posts for the battery.

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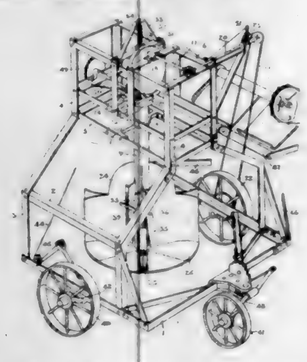
1,558,911. SHOCKER. THOMAS RICHARD O'BRIEN, Buffalo, N. Y., assignor to Alice A. O'Brien, Guelph, Ontario, Canada. Filed Sept. 9, 1921. Serial No. 499,588. 6 Claims. (Cl. 56—412.)



1. A shocker, comprising a frame, a sheaf receptacle vertically disposed in said frame and rotatable therein and formed with rigid radial partitions, means for delivering the sheaves vertically to said receptable, means for rotating said receptacle, bottom plates hinged to said radial partitions, means for releasing the bottom plates allowing the sheaves to drop vertically from said receptacle, and means for raising the receptacle clear of the heads of the sheaves.

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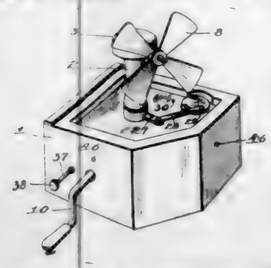
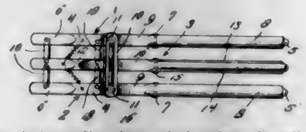
1,558,912. MECHANICALLY-OPERATED FAN. FELIX ORDAKOWSKY, Clarksburg, W. Va. Filed July 18, 1921. Serial No. 485,453. 2 Claims. (Cl. 230—1.)



1. In a mechanical fan, in combination with a base including a spring motor and a vertical rotating shaft driven thereby, of a pedestal journalled on said shaft, a cam driven from said spring motor, a link connecting said pedestal and cam, a fan shaft journalled in said pedestal and gearing between the said shafts.



1,558,913. HAIR-CURLING IRON. JAMES C. PARSHALL, Lincoln, Nebr. Filed Feb. 10, 1925. Serial No. 8,198. 2 Claims. (Cl. 132—32.)



1. In a hair curling iron of the class described, a pair of substantially duplicate spaced parallel hair crimping members, an intermediate crimping member arranged between said first named members, all of said members embodying relatively stationary and movable parts between which the hair is adapted to be clamped, the parts being pivotally connected together, and the movable parts extensions being inclined away from the stationary parts, and a link extending crosswise of and connected with the extensions for permitting all of said extensions to be depressed simultaneously for opening said movable parts.

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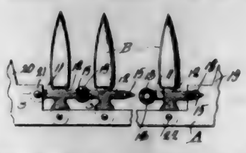
1,558,914. INTERLOCKING GUARD. HORACE S. PATTERSON, Jr., Lewisport, Ky. Filed Jan. 16, 1923. Serial No. 613,021. 4 Claims. (Cl. 56—310.)



1. The combination with a finger bar of a mowing machine, of a plurality of guards secured to the bar, eyes carried by one side of each guard, and hooks carried by the other side of each guard for engaging in said eyes.

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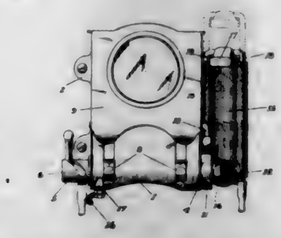
1,558,915. COMBINED CIGARETTE AND CIGAR LIGHTER. LEWIS PENGILLY, Stockton, Calif. Filed Jan. 12, 1924. Serial No. 685,882. 17 Claims. (Cl. 219—32.)



1. In combination, a cigarette lighting device having a suction member, and a heating element adapted to be placed in opposed alinement with said member and to be removed from such position at will.

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1,558,916. DEVICE FOR AUTOMATICALLY HOOKING FISH. JOHN GEORGE PENNELL, Toronto, Ontario, Canada, assignor to George Kershaw, Toronto, Canada. Filed May 5, 1921. Serial No. 466,877. Renewed Sept. 10, 1925. 4 Claims. (Cl. 43—15.)

1. In a device for automatically hooking fish, a casing having a cross spindle mounted therein intermediately of the length thereof, a loop member freely mounted on the spindle, springs on the spindle normally retaining the loop member in the inoperative position, said loop member having an eye formed on its free end, means for connecting the upper portion of the fishing line to the top of the casing, a hook, a portion of fishing line connected thereto, a catch hinged to the casing below the spindle, a plate hinged to the casing below the catch, said casing having holes in the back thereof situated between the catch and the spindle and between the spindle and the plate respectively, said catch

engaging the free end of said plate for holding the loop member in the set position and the said lower portion of the line extending upwardly through the lower hole in the casing, up through the eye in the loop member, down through the lower hole in the casing in a rearward direction, up through the upper hole in the casing in a forward direction and the upper end of said lower portion of the line being connected to said catch.

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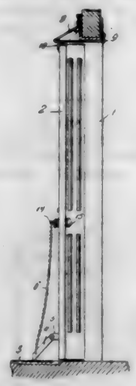
1,558,917. LOCK ATTACHMENT FOR DOORS. JEFF DAVIS PERKINS, Jacksonville, Fla. Filed Feb. 19, 1925. Serial No. 10,271. 2 Claims. (Cl. 292—338.)

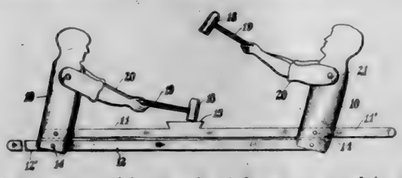


1. In combination, a door, a pawl pivoted to the bottom portion of the door, a bolt slidable through the door, a chain connected to the bolt and to the free end of the pawl, means for holding the bolt against the movement in the door, and means upon the release of the first mentioned means for normally projecting the bolt from the door so that it may be manually engaged to lift the chain so as to hold the pawl in a non-engaging position and when released will function as a weight for retaining the pawl in said non-engaging position.

1,558,918. STEEL ALLOY FOR THE ROLLERS OF PILGER ROLLING MILLS. MATHIAS PETERS, Duisburg, Germany. Filed Mar. 19, 1925. Serial No. 16,822. 4 Claims. (Cl. 75—1.)

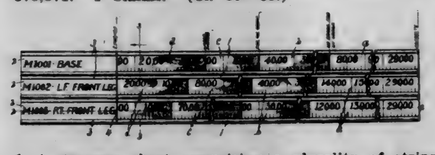
1. A steel alloy for rollers for Pilger rolling mills consisting of steel containing about 2% of chromium, about 1.5% tungsten and about 1.5% nickel.

1,558,919. MECHANICALLY-OPERATED FIGURE TOY. ANTON POLICHEK, Chicago, Ill. Filed Feb. 19, 1925. Serial No. 10,167. 3 Claims. (Cl. 46—40.)



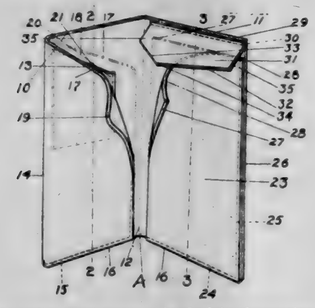
1. A toy comprising a pair of figures arranged in opposition to one another, and a pair of parallel bars to which said figures are pivotally attached, said bars being arranged one above the other, and said figures being bifurcated to straddle the ends of the said bars, arms hinged to the said figures, hammers carried by the said arms, and operative connections between the said arms and one of the said bars whereby the said arms are caused to swing on the figures when the said bars are moved longitudinally upon one another.

1,558,920. PROGRESS CHART. RAYMOND G. RECH, Syracuse, N. Y. Filed Dec. 10, 1923. Serial No. 679,871. 4 Claims. (Cl. 40—65.)



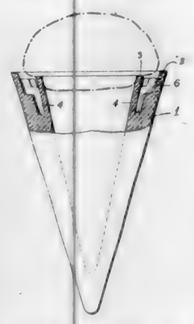
1. A progress chart comprising a plurality of strips relatively adjustable endwise at will one over the other to vary the distance between corresponding ends of the strips and thereby to indicate progressive stages of a working process, the rearmost strip and its overlying strip being provided with reversely arranged lengthwise scales.

1,558,921. LETTER CASE AND WALLET. FREDERICK J. REICHLE, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Nov. 12, 1924. Serial No. 749,416. 10 Claims. (Cl. 150—38.)



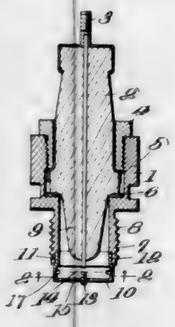
4. A wallet including a book fold formation, a letter case compartment on one side of said wallet, a bill compartment on the other side of said wallet and a card case compartment within and concealed by said letter case compartment.

1,558,922. ICE-CREAM SUNDAE CONE. JOHN S. REILLY, New York, N. Y. Filed Jan. 26, 1925. Serial No. 4,637. 4 Claims. (Cl. 99—16.)



1. An edible container adapted for holding ice cream sundaes having peripheral pockets formed in its top surface, separated by radial portions, each of said radial portions having a shallow peripherally extending groove across its upper surface, to permit flow of excess material from one pocket to the next.

1,558,923. SPARK PLUG. JOSEPH W. RIDOLF, Savannah, Ga. Filed Dec. 15, 1923. Serial No. 680,854. 1 Claim. (Cl. 123—169.)



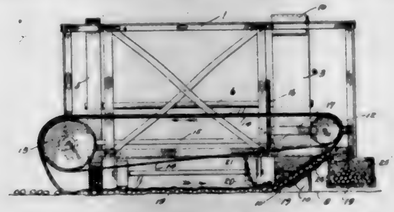
A spark plug comprising a body portion having a firing chamber, the end of said body portion being closed, a porcelain member carried by said body portion and extending into said firing chamber, a spark electrode extending through said porcelain member and cooperating with a spark electrode located centrally of said closed end, the side walls of said body portion having a plurality of inclined ports, said ports being relatively small so as to exclude from the firing chamber a large portion of the oils carried in suspension in the gas, and said ports being inclined relative to the side wall of said body portion so as to direct the gas on its initial entrance into the firing chamber against the porcelain member and away from the points of the spark electrodes whereby any oil carried by the gas in suspension into the firing chamber will be caused to adhere to the porcelain member and separated from the gas.

1,558,924. FRUIT-GATHERING APPARATUS. ARTHUR N. RIGGS, San Jose, Calif. Filed Nov. 14, 1923. Serial No. 674,724. 6 Claims. (Cl. 56—327.)

6. An apparatus for gathering fruit or nuts from the ground comprising a frame and a pair of ground wheels, an endless belt passing over said wheels with one side

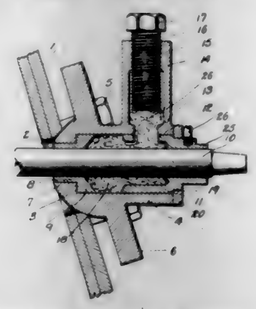


of the loop in contact with the ground, means for tipping the belt sidewise with one edge against the ground, a screen extending from the side of the tipped portion of the belt, a receiver under the end of the screen, a transversely arranged endless traveling belt operatively



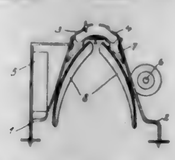
connected with a ground wheel adapted to lie on the fruit and roll it over the ground on and over the first belt over the screen and into the receiver, and means for holding the transverse belt yieldingly against the fruit.

1,558,925. THROTTLE-ROD STUFFING BOX. LEE H. ROGERS, Kansas City, Mo., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed July 16, 1924. Serial No. 726,298. 2 Claims. (Cl. 286—38.)



1. A stuffing box comprising a housing open at both ends and having a packing feed opening in its side wall, a gland closing one end of the housing, a combination gland and cylinder valve member closing the opposite end of the housing and having an opening in its side wall registerable with the packing feed opening, and a keeper retaining the combination gland and cylinder valve member in the housing.

1,558,926. PORTABLE POWER UNIT. KARL ROTTGARDT, Dahlem, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 26, 1921. Serial No. 495,592. 1 Claim. (Cl. 290—1.)



In a portable radio set, a prime-mover, a generator, a frame comprising two parts, one part carrying said prime mover and the other part carrying the generator, each of said parts having a pad conforming to the shape of the side of a pack animal, each of said parts having feet with prongs for engaging the ground, said feet being on the side of the center of gravity of its part opposite the corresponding pad and means above said pads for fastening said parts together, whereby when the set rests on said feet the weight of said prime mover and said generator will assist said fastening means.

1,558,927. BATTERY SEPARATOR. WAYLAND L. SCARFF, Auburn, Wash. Filed Dec. 24, 1923. Serial No. 682,583. 2 Claims. (Cl. 136—149.)

1. A storage battery separator consisting of wood of the species *Chamaecyparis nootkatensis*.

1,558,928. FISHLINE BOBBER. MARTIN J. SCHAMERLOH, Fort Wayne, Ind. Filed July 16, 1923. Serial No. 651,688. 1 Claim. (Cl. 43—49.)

In a device of the class described, a float and a pair of line fasteners, one at each end of the float, and each consisting of a wire secured in and extending from the corresponding end of the float, the extending portion of the wire having formed therein a pair of connected coils arranged in tandem fashion with the axes thereof in parallel relation with each other, the coil adjacent the float having a single turn and the other coil having a series of turns.

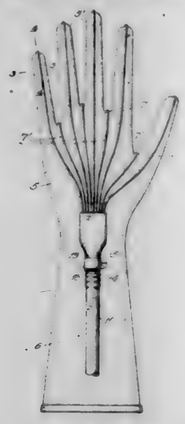
1,558,929. FABRIC-WORKING IMPLEMENT. KARL SCHMUTZ, New York, N. Y. Filed Dec. 16, 1924. Serial No. 756,353. 7 Claims. (Cl. 223—54.)

3. A fabric working implement comprising a base, a clamp bar hinged at one end to said base and provided at its opposite end with a clamping jaw, and a grip member adapted to engage the clamping jaw of said bar and exert a clamping action between the latter and said base, the said grip member being pivotally connected to said base.

1,558,930. FOUNTAIN GLOVE. HAROLD P. SCHUCK, East Orange, N. J. Filed May 10, 1923. Serial No. 638,128. 1 Claim. (Cl. 15—127.)

The combination comprising a glove and a plurality of flexible distributing tubes attached to the back thereof, having the discharge ends of a plurality thereof adjacent the ends of a plurality of the fingers of the glove and

directed toward the palm-side thereof and having the discharge ends of a plurality of said tubes directed through one or more of the spaces between the fingers



and toward the palm-side of the glove, said tubes being connected with a common flexible supply pipe extending along the wrist of the glove, the junction portion of said tubes being rigidly attached to the wrist of said glove.

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1,558,931. MEANS FOR SUPPORTING AUXILIARY HAIR. JEAN SÉNÉGAS, New York, N. Y. Filed Mar. 12, 1925. Serial No. 14,861. 3 Claims. (Cl. 132—54.)

3. As an article of manufacture a straddle band of flexible material having wide median portion and narrow ends, and hooks at the ends, said wider portion having perforations for the attachment of hair.

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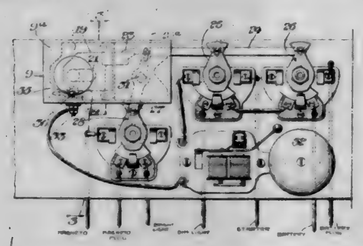
1,558,932. SAFETY LOCKING DEVICE FOR AUTOMOBILES. WILLIAM SHARA, Brooklyn, N. Y. Filed Apr. 5, 1922. Serial No. 549,893. 16 Claims. (Cl. 177—314.)



1. A mechanism of the class described comprising a control switch, a combination lock comprising revolving tumblers, means automatically operated by said combination lock for controlling said switch, an alarm and means operated by said combination lock for operating said alarm only when a predetermined greater number of revolutions of the tumblers is made in one direction than in the other.

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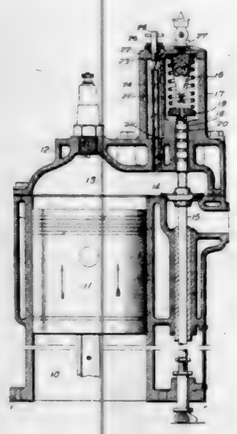
1,558,933. INTERNAL-COMBUSTION ENGINE. FRANK D. SHEPHERD, Salt Lake City, Utah. Filed Feb. 14, 1922. Serial No. 536,409. 4 Claims. (Cl. 123—105.)



1. An internal combustion engine having means to successively remove from and restore to the cylinder on the power-receiving side of the piston a part of the gaseous contents of the cylinder, said means comprising a chamber and a small bore tube extending into the chamber.

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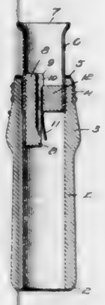
1,558,934. HAWK CALLER. HUGH SHERRILL, Magnolia, Ark. Filed July 22, 1924. Serial No. 727,493. 1 Claim. (Cl. 46—46.)



An instrument of the character described comprising a hollow tube forming a mouthpiece, a hollow cylinder fitted in the outer end of said tube and projecting beyond the end thereof, an outwardly flared outer end on said cylinder, a block semi-cylindrical throughout its length disposed in the inner end of the cylinder and having a longitudinally extending groove in the flat face extending from a point adjacent the inner end to the outer end thereof, a vibratory reed over said groove extending from a point adjacent the outer end and outwardly bent at its inner end, the inner end of said reed being tongue shaped, and a closure member for the inner end of the cylinder disposed over said reed member and block for clamping the reed member in position.

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1,558,935. SAFETY RAZOR. FREDERICK SIMON, Woodmere, N. Y. Filed June 14, 1924. Serial No. 719,961. 1 Claim. (Cl. 30—12.)

In a safety razor of the character designated, the combination of a blade holder formed with a spine of less length than the blade, and a rectangular blade the rear edge of which is formed with a reduced edge and blade-positioning shoulders for the contactual engagement with the ends of said spine, the ends of said holder being chamfered divergently outward and forward to substantially the full length of the blade, for the purpose and as set forth herein.

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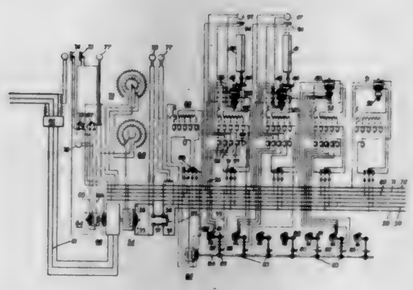
1,558,936. ELECTRICAL CONTROL FOR PAPER MACHINES. VENNING D. SIMONS, Chicago, Ill. Filed July 15, 1920. Serial No. 396,525. 10 Claims. (Cl. 172—293.)



1. In combination, a paper machine comprising a plurality of rolls, a plurality of direct-current electric motors adapted to operate said rolls, a plurality of alternating-current synchronous motors each connected to one of said direct-current motors, means for interconnecting said synchronous motors, and means for varying the speed of any selected synchronous motor.

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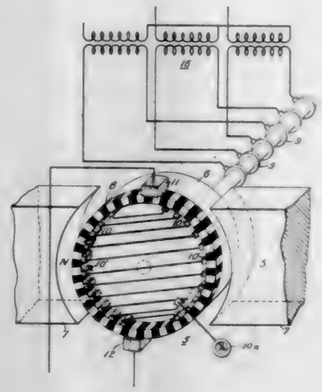
1,558,937. DYNAMO-ELECTRIC MACHINE. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 15, 1919. Serial No. 317,690. 5 Claims. (Cl. 171—123.)

1. In a dynamo-electric machine of the synchronous type, the combination with an armature provided with a commutator and with slip rings connected to a winding thereof, of a field system embracing said armature, means for supplying alternating currents to said slip rings, and brush short-circuiting means for short-circuiting said commutator in an axis inclined at an angle with respect to the normal commutating axis.



3. Means for producing wattless current flow in an alternating-current system comprising means for producing a series of unidirectional current waves and reflecting said waves into said alternating-current system in such time-phase relationship as to produce the desired wattless current effect.

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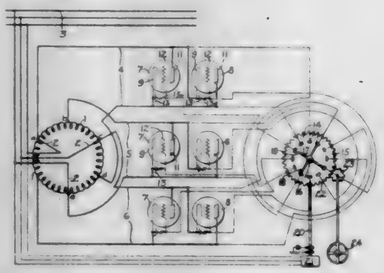
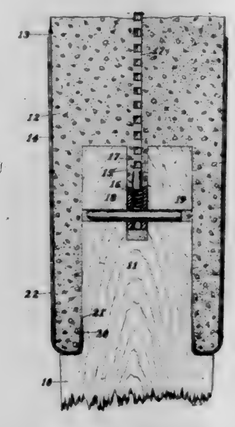
1,558,938. ELECTRICAL APPARATUS. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 15, 1923. Serial No. 668,551. 9 Claims. (Cl. 171—228.)



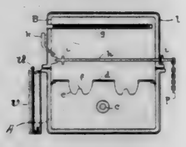
1. In an electrical apparatus, the combination of a magnetic core, a winding upon said core, means for energizing said winding from an alternating current system to induce a magnetic field rotating relatively to said winding, a plurality of space-current valves connected to said winding to control the current flow therein in accordance with the rotation of said field so as to effect arbitrarily the excitation of said machine and control the wattless currents taken from said alternating current system, the entire current flowing in said winding being derived from said alternating current system.

1,558,939. COMPOSITE PILE. HERMAN R. SMITH, Brooklyn, N. Y., and ALBERT E. TWIST, Clifton, N. J., assignors to Raymond Concrete Pile Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 30, 1922. Serial No. 585,129. 9 Claims. (Cl. 61—54.)



1. A composite pile comprising a lower wooden portion and an upper concrete portion, a socket member fastened in the top of the wooden portion, and a locking rod fastened at its lower end in the socket member and having its upper portion embedded in the concrete.

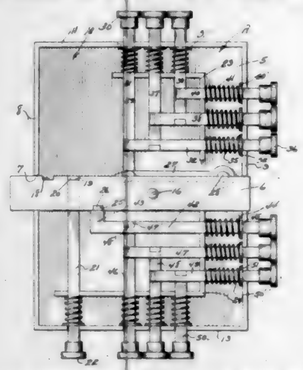
1,558,940. PROCESS FOR MAKING A FROZEN CONFECTION. FERDINAND SMOLA, Omaha, Nebr. Filed Aug. 9, 1923. Serial No. 656,568. 6 Claims. (Cl. 107—54.)



3. The process of making a frozen confection, consisting in enclosing ice cream ingredients in a baked container, subjecting the ingredients to a freezing temperature, placing a covering of dough over the frozen ice cream ingredients and within the opening in the container, subjecting the dough to a baking temperature, while the frozen ice cream ingredients is still being subjected to a freezing temperature to maintain it firm, discontinue the subjecting of the dough covering to a baking temperature, and continue the subjecting of the ice cream ingredients to a freezing temperature to recover any softening that has occurred therein.

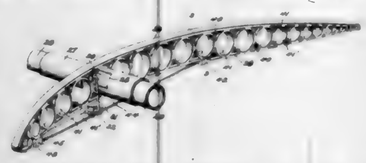
1,558,941. KEYLESS LOCK. JOSEPH G. STEGMAN, Pfeifer, Kans. Filed May 7, 1924. Serial No. 711,708. 3 Claims. (Cl. 70—54.)

1. A door lock comprising a casing, a bolt slidably mounted within the casing, means for actuating the bolt, a pivoted dog engaging the bolt, a sliding key pivotally connected to the dog for actuating the same, a plurality of interlocking keys for normally holding the dog operating key against movement, and a spring pressed key



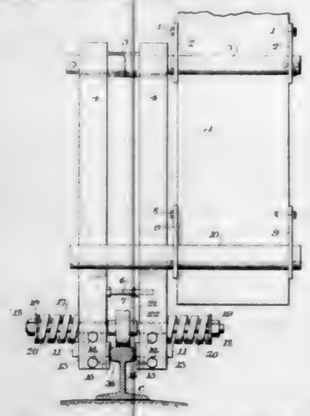
adapted to engage the bolt when the same is in its retracted position for holding the bolt against closing movement.

1,558,942. AIRPLANE. WILLIAM B. STOUT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Original application filed Mar. 2, 1918, Serial No. 220,070. Divided and this application filed Apr. 8, 1921. Serial No. 459,641. 11 Claims. (Cl. 244—31.)



1. A rigid metal rib for airplanes comprising top and bottom members and rigid reinforcing rings interposed between, in contact with an integrally joined to, and arranged in the plane determined by said members.

1,558,943. RAIL PLANER. LAMBERT A. SWANSON, Superior, Wis. Filed June 8, 1925. Serial No. 35,672. 10 Claims. (Cl. 104—1.)

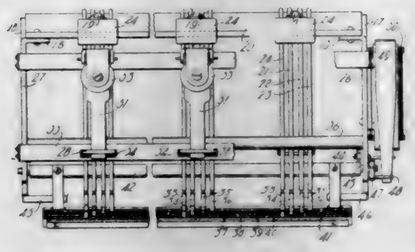


2. A rail planer comprising a travelling support, tool holders carried thereby, tools carried by said holders and



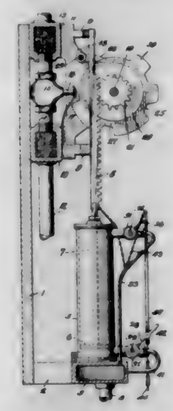
engaging opposite sides of the ball of the rail, spring means for pressing said holders and tools toward the rail and means for limiting the extent of said movement.

1,558,944. TELEPHONE SWITCH. HERBERT B. TAYLOR, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 17, 1923. Serial No. 657,907. 5 Claims. (Cl. 179—27.5.)



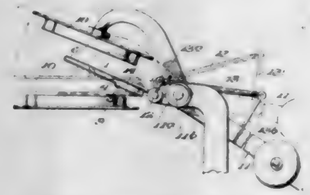
1. In a switching device, the combination of primary contact sets, a longitudinally movable bar therefor, an insulating strip arranged on said bar for operatively engaging said contacts, sets of multiple contacts arranged on a circularly movable bar, and means for positioning said primary contacts for engaging said multiplied contacts upon the movement of said circularly movable bar.

1,558,945. SIGNAL ATTACHMENT FOR LOCOMOTIVES. JAMES A. TAYLOR, Birmingham, Ala. Filed June 5, 1925. Serial No. 35,131. 11 Claims. (Cl. 246—175.)



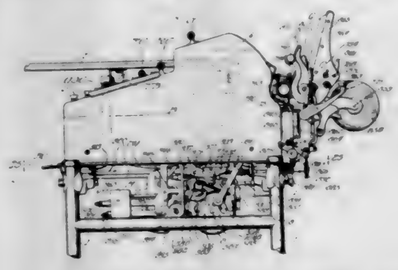
4. Locomotive signal apparatus including a valve for controlling pressure to a whistle or the like, a cylinder, a piston therein, means for directing pressure to both ends of the cylinder, separate valves for controlling the flow of pressure to said ends of the cylinder, there being a vent controlled by each valve, one of said valves being normally positioned to direct pressure against the piston to hold it in one position and the other valve being normally positioned to maintain the vent open, trip operated mechanism for reversing said valves to shift the piston to a second position and open the normally closed vent for the escape of pressure from the path of the piston, means operated by said movement of the piston for actuating the first valve to sound a predetermined signal, means operated by the piston for reversing the cylinder valves and restoring the piston by pressure to its normal position, and means for preventing sounding of the signal during the movement of the piston to normal position.

1,558,946. PRESSING MACHINE. JOSHUA TEDFORD, Chicago, Ill. Filed Mar. 18, 1924. Serial No. 700,079. 5 Claims. (Cl. 68—9.)



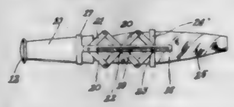
1. In a pressing machine having a pair of relatively movable cooperative presser leaves, a tongue supported between said presser leaves, said tongue being insertable in the lower end of a trousers leg, said tongue being transversely and resiliently bowed and being adapted to be flattened out by pressure applied thereon by said presser leaves to effect stretching of said overlapping portion of the trousers leg.

1,558,947. CACULATING MACHINE. MARTIN TEETOR, Des Moines, Iowa, assignor to Teetor Company, Des Moines, Iowa, a Corporation of Iowa. Filed May 1, 1920. Serial No. 378,246. 44 Claims. (Cl. 235—60.)



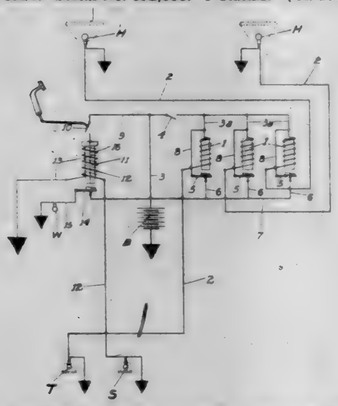
1. In a machine of the character described, a set of dial wheels, a set of overdraft or net credit dial wheels, a set of sectors for operating the first set of dial wheels, a set of sectors for operating the second set of dial wheels, connecting means between the sectors for operating a sector of one set by a sector of the other set, and means for releasing the connection so that one sector may move relatively to its connected sector.

1,558,948. CIGAR HOLDER. EMIL TRICHMÜLLER, New York, N. Y. Filed Apr. 21, 1925. Serial No. 24,722. 5 Claims. (Cl. 131—10.)



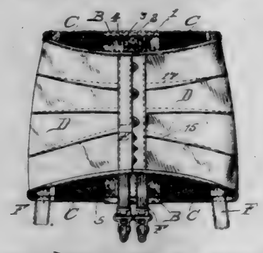
1. A cigar holder comprising a mouthpiece, a ring mounted on said mouthpiece, a bar extending forwardly from said ring, and means slidable on said bar for supporting a cigar at various positions along its length.

1,558,949. DEFECTIVE-LIGHT INDICATOR. FRANK J. THOMPSON and GEORGE V. ARANO, Modesto, Calif.; said Arano assignor to said Thompson. Filed Feb. 11, 1924. Serial No. 692,058. 3 Claims. (Cl. 177—311.)



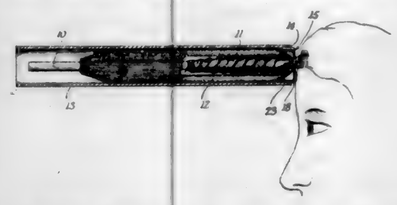
2. A warning signal device for defective lights comprising in combination with separate lights arranged in independent circuits, a common source of current for said circuits, independent switches for the circuits, a common electric signal member for both light circuits, a circuit for said signal member one side of which is connected to the source of current and the other side is adapted to be connected to either light circuit alternately, means in one circuit for causing the signal circuit to be closed only when the corresponding switch is closed but the circuit thereof remains broken adjacent its light, a magnet interposed in the other light circuit, means whereby said magnet will be energized only if the corresponding light circuit remains broken adjacent its light with the switch thereof closed, an armature for said magnet interposed in the signal circuit, normally forming a connection between the signal member and the means in the first named circuit as long as the magnet is deenergized, and a lead from the last named light circuit with which the armature engages when the magnet is energized and the first named connection made by said armature is broken.

1,558,950. CORSET. ROSANNA DU FORA ULMAN, Aurora, Ill., assignor to International Corset Company, Aurora, Ill., a Corporation of Illinois. Filed June 4, 1924. Serial No. 717,674. 3 Claims. (Cl. 2—27.)



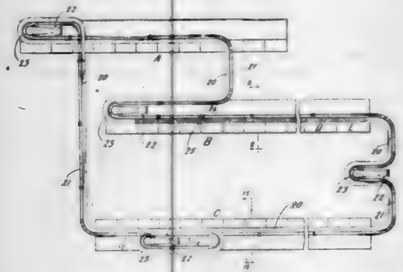
1. In a front opening corset, two inelastic front sections which extend over the abdomen and hips and at their rear slightly towards each other, and a back section comprising a central, non-elastic member and elastic members intermediate the front sections and the non-elastic section, each front section being of a single piece of fabric contracted at its front margin by tucks extending laterally from said front margin.

1,558,951. CLIP FOR SECURING HAIR TO WAVERS. ERNEST G. UNGER, New York, N. Y. Filed Oct. 23, 1923. Serial No. 670,253. 22 Claims. (Cl. 132—36.)



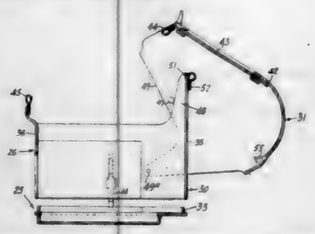
1. A device for enclosing a coil of hair in the practicing of permanent hair waving, comprising a tube for containing the coil and adapted to have a heater inserted on the same, and a closure having a frictionally telescopic fit with one end of the tube and engaging the inner wall of the tube at said end.

1,558,952. CARRIER SYSTEM. CHARLES L. VAN INWAGEN, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 1, 1922. Serial No. 598,246. 16 Claims. (Cl. 198—42.)



1. In a ticket distributing system, a ticket guide having a spiral turn therein, so that portions thereof are in superposition to other portions of the guide, a chute leading from said guide, an endless cable paralleling said ticket guide, means associated with said cable for moving a ticket in said guide and depositing it in said chute, and a motor and pulley system in association with said cable and located within said spiral turn.

1,558,953. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 5, 1921. Serial No. 505,604. 20 Claims. (Cl. 197—186.)

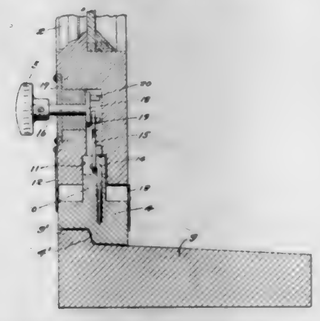


1. A sound-deadening assemblage for a typewriting machine having a frame and supporting feet therefor, said assemblage comprising a floor extending between the feet and the frame and to the sides and rear of the



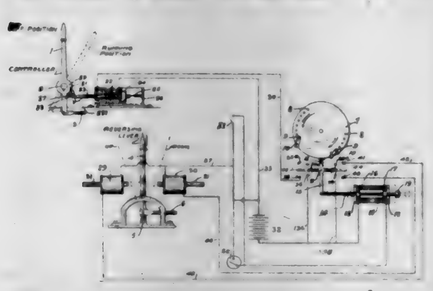
frame and having upstanding flanges at its side and rear edges, the feet extending below the floor, and a casing having overhanging carriage-accommodating extensions and being settable down over the machine to rest on said floor in engagement with the sides of said flanges.

1,558,954. CASEMENT WINDOW. ARCHIE E. WALKER, Portland, Oreg. Filed Aug. 28, 1924. Serial No. 734,772. 1 Claim. (Cl. 20—68.)



In a window having a hinged sash, a movable weather sealing strip at the edge of the sash adapted to engage the frame of the window, and hand controlled means on the sash adapted for withdrawing the strip from such engagement comprising a revolubly supported knob having a shank projecting into the sash above the groove and carrying two pins at its inner end, and a link pivotally connected to one pin and to the strip adapted to stop against the other pin when the strip is withdrawn.

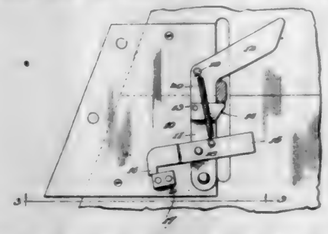
1,558,955. SAFETY DEVICE FOR HOISTS. CLARENCE R. WELCH, Denver, Colo. Filed May 10, 1924. Serial No. 712,497. 5 Claims. (Cl. 192—138.)



1. A hoist safety system comprising, in combination, a controller lever, an indicator adapted to move at a speed proportional to the speed of a hoist cage, an electromagnetic device operatively related to the control lever and adapted to lock the same in "off" position, means operated by the indicator for causing said electromagnetic device to function when the indicator passes a predetermined point, and manually operated means for restoring said device to normal position.

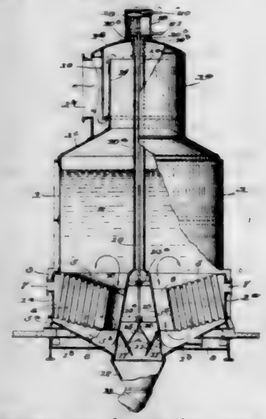
1,558,956. GEAR-SHIFT-PEDAL LATCH. JAMES ALBERT WHIPPLE, Chico, Calif. Filed Dec. 11, 1924. Serial No. 755,248. 5 Claims. (Cl. 74—81.)

1. A pedal latch including a pivoted lever having a stop for limiting the pedal in its rearward movement and provided with a portion to coact with the pedal for swinging the lever and shifting said stop away from the pedal when the pedal is moved forwardly, and means



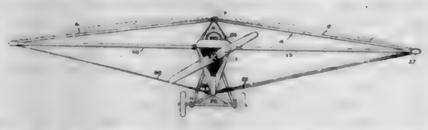
carried by the lever for latching the lever when swung as well as returning the lever when released and disposed to be tripped by the pedal.

1,558,957. VACUUM PAN. CLARENCE WHITE, San Francisco, Calif. Filed Mar. 18, 1925. Serial No. 16,463. 10 Claims. (Cl. 159—27.)



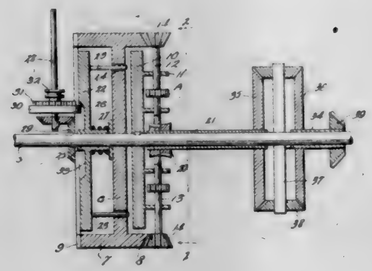
1. In a vacuum pan for treating sugar solutions, a casing with the floor sloping downwardly and centrally, a heater element within the casing and adjacent but spaced above the floor thereof and having a central open space extending upwardly therethrough and constituting a well having an upper and a lower opening with a closed side wall, and an upwardly extending core projecting from the casing floor lengthwise of said well and with its upper end adjacent the top of said well, said core constituting a displacement member whereby the volume of liquid within the well is reduced by the space occupied by the core.

1,558,958. AIRPLANE CONSTRUCTION. PERCY J. WILLIAMS, San Francisco, Calif. Filed May 14, 1923. Serial No. 638,780. 37 Claims. (Cl. 244—12.)



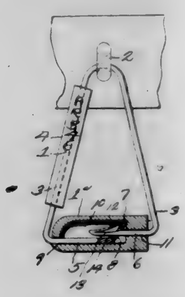
1. In an airplane, a flexible wing capable of curving bodily laterally under flying pressure and means for holding the said wing at an angle of incidence to the line of flight.

1,558,959. TRANSMISSION. FAYETTE WORTHEN, Oakland, Calif. Filed Oct. 9, 1924. Serial No. 742,678. 6 Claims. (Cl. 74—34.)



1. A transmission mechanism comprising a drive shaft, a hollow shaft rotatably mounted on the drive shaft, a drive pinion rotatably mounted on the drive shaft, a differential mechanism including facing gears operatively connected with the hollow shaft and the drive pinion, rigid arms carried by the drive shaft and pinions rotatably carried by the arms meshing with the facing gears, a supporting and guide disk keyed to the drive shaft, a plate rotatably mounted upon the drive shaft, means operatively connecting the plate with the hollow shaft including a worm wheel and worm gears, a counter shaft rotatably connected with the drive shaft, a friction disk carried by the plate and a friction wheel slidably mounted upon the counter shaft arranged to engage the friction disk.

1,558,960. CAR SEAL. LOUIS J. BRUNE, Sr., Algiers, La. Filed June 15, 1925. Serial No. 37,236. 1 Claim. (Cl. 292—317.)

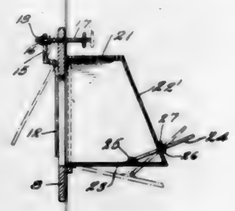


A car seal comprising a body member having a chamber therein and apertures extending through the ends of the body member in communication with the ends of the chamber, a wire loop, arms carried by said wire loop and extending towards each other through the apertures in the end of the body member and into the chamber of the body member, one of said arms being provided with an angularly disposed member having an aperture in registration with one of the apertures in the end of the body member, the other arm extending through one of the apertures in the body member and through the aperture in the angularly disposed portion of the first mentioned arm and an angularly disposed spring arm carried by one of the arms and engaging the inner side of the angularly disposed portion of the other arm.

1,558,961. MANUFACTURE OF FILAMENTS OR CATHODES FOR ELECTRIC LAMPS, THERMIONIC TUBES AND THE LIKE. WILLIAM RICHARD BULLIMORE, London, England. Filed Nov. 24, 1924. Serial No. 751,939. 6 Claims. (Cl. 250—27.)

1. A heated cathode for vacuum tubes, comprising a core of relatively high specific resistance and melting point coated with a noble metal and an active coating of one or more compounds of the alkaline earth metals.

1,558,962. FIRE-BOX DOOR AND DEFLECTOR PLATE. JOHN H. CHIDLOW, Cut Bank, Mont. Filed Mar. 14, 1924. Serial No. 699,228. 1 Claim. (Cl. 110—175.)



A fire box door structure comprising a door panel provided with an opening, wide flanges provided at one side of the door and extending around three edges of the opening, a draft hood fitting in the flanges, said hood having an adjustable bottom panel, the door panel being provided at its opposite sides and at the upper edge of the opening with sockets, a baffle plate having pins which enter the socket, said plate being normally disposed over the opening in the panel and with its lower edge spaced above the lower edge of the opening, the plate being provided at its upper portion with an offset bracket, and a screw passing through the door panel above the opening thereof and connected at its inner end with the offset bracket of the baffle plate, the outer end portion of the screw being disposed above the hood and above the ends of the guide flanges which retain the hood.

1,558,963. PROCESS OF BLEACHING NUTS. ARTHUR W. CHRISTIE, Berkeley, Calif., assignor to California Walnut Growers Association, Los Angeles, Calif., a Corporation of California. Filed Apr. 30, 1925. Serial No. 26,859. 5 Claims. (Cl. 99—9.)

1. A process of bleaching nuts comprising immersing the nuts in a solution from which nascent chlorine is being liberated and then immersing the nuts in a solution of sulphurous acid.

1,558,964. VANITY CASE. SAMUEL CLARK, Newark, N. J., assignor to Gorham Manufacturing Company, Providence, R. I., a Corporation of Rhode Island. Filed June 26, 1925. Serial No. 39,665. 3 Claims. (Cl. 132—83.)

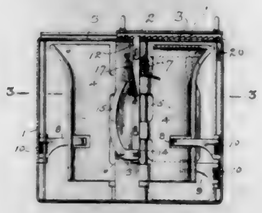
1. The vanity case described comprising two dished shells joined peripherally, each having a circular central opening, a hinged lid on each of said shells received in each of such openings, a mirror on the inner face of each of said lids, and a horizontally disposed diaphragm on one of said shells dividing the interior of said case into two compartments each closed by one of said lids.



1,558,965. APPARATUS FOR TREATING ORES OR THE LIKE. GALEN H. CLEVENGER, Boston, Mass., assignor to Research Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1920. Serial No. 433,355. 5 Claims. (Cl. 266—9.)

1. A furnace of the type described having a reaction unit disposed in a substantially horizontal plane, a preheating unit disposed at a higher level, a material transfer connection between the two units, means for passing a charge successively through the preheating unit and the reaction unit, means for passing a combustible gas in opposite direction through the reaction unit, means for progressively burning said gas in the reaction unit, a combustion chamber interconnecting the two units including means for effecting combustion of unburnt gases coming from the reaction unit and means operative to cause movement of a charge successively through the preheating unit and the reaction unit.

1,558,966. BOTTLE HOLDER. FREDERICK H. COOK, Tippecanoe, Ohio. Filed June 29, 1923. Serial No. 648,436. 16 Claims. (Cl. 232—41.)

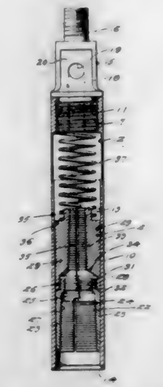


1. In a bottle receiver, an expansible and contractible bottle receiving compartment, a bottle rest projecting within said compartment to support a bottle of reduced size, the expansible compartment and bottle rest being operatively interconnected whereby the expansion of the compartment to accommodate a bottle of larger size will automatically effect the withdrawal of the bottle rest to permit the passage of the larger bottle therebeyond.

1,558,967. FUEL. JEAN F. P. DE LA RIBOISIERE, Washington, D. C. Filed Dec. 17, 1924. Serial No. 756,555. 15 Claims. (Cl. 44—9.)

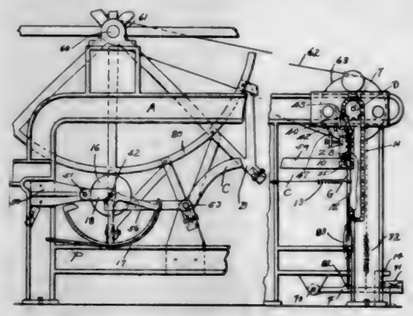
1. The process of increasing the heat-units obtainable from a heavy hydrocarbon fuel comprising combusting the fuel in the presence of a small proportion of a compound of a hydrocarbon radical and a metal.

1,558,968. DEEP-WELL FISHING TOOL. SAMUEL B. DURBIN, Tulsa, Okla. Filed May 21, 1925. Serial No. 31,881. 5 Claims. (Cl. 294—102.)



1. In a deep well fishing tool, a slip socket having an elongated downwardly tapering internal bore, a plurality of separate and independently movable slip units mounted in said bore and a single spring urging all of said slip units downwardly.

1,558,969. YARDAGE STOP MOTION FOR WARPERS. EDWARD J. ENTWISTLE, Lowell, Mass., and RALPH W. DOEG, Exeter, N. H. Filed June 11, 1924. Serial No. 719,336. 4 Claims. (Cl. 192—139.)



4. The combination with a warping machine in which is a revoluble, endless measuring chain having a projecting tooth with a flattened face; of a medially pivoted knock-off lever having at one end means to stop the warping machine, and at the other end an arm; and a detent pivoted laterally to said arm, said detent having a nose in engagement with the chain, and a returning spring.

1,558,970. IDENTIFICATION DEVICE FOR TOOTHBRUSHES. MARCUS P. EXLINE, Dallas, Tex. Filed May 22, 1925. Serial No. 32,080. 2 Claims. (Cl. 40—20.)

1. The combination of an article having a stud defined by a surrounding groove and an identifying member comprising a plate with a down turned peripheral

flange adapted to seat in said groove and means for securing the plate to the stud comprising a plurality of inwardly directed peripheral prongs carried by the plate adjacent the edge of the flange.

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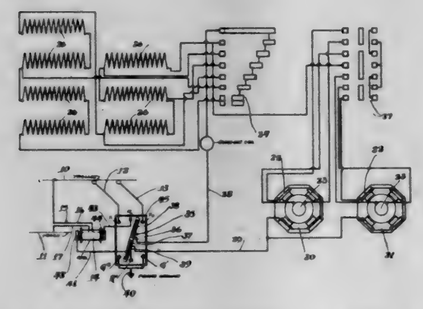
1,558,971. LOCOMOTIVE. SIDNEY W. FARNHAM, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 26, 1924. Serial No. 758,023. 1 Claim. (Cl. 191—3.)



In a gathering locomotive provided with a motor circuit adapted to be selectively connected with a source of power supply through a trolley or a gathering reel, a double conductor cable and rotating contactor devices associated with said gathering reel, and switching means completing said motor circuit through the double conductor cable and contacting devices on the gathering reel in one position and completing the circuit through the trolley and a ground connection on the locomotive frame in a second position.

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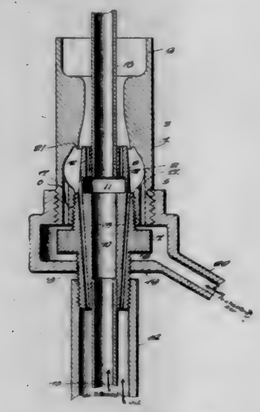
1,558,972. OIL BURNER. CLARENCE A. FIFER, Baltimore, Md. Filed May 21, 1925. Serial No. 31,941. 4 Claims. (Cl. 158—74.)



4. In a burner, the combination with a body provided with an internal mixing chamber having a contracted throat that terminates in an enlarged mouth opening through one end of the body, of a plug threaded into the other end of the body and extending into the chamber, said plug having a bore and outlet ports leading therefrom to the chamber, said plug furthermore having ports extending therethrough and opening into the bottom portions of the chamber, a supply pipe threaded into the bore of the plug, a supply pipe into which the plug is threaded, said body having ports extending through its rear end to the chamber, and a hollow head fitted on the body and having its interior in communication with the said last mentioned ports.

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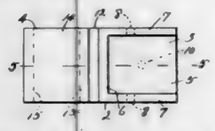
1,558,973. TANK-RAFTER BRACKET. WILLIAM W. FORD, Philadelphia, Pa. Filed June 24, 1924. Serial No. 722,025. 3 Claims. (Cl. 217—4.)



1. A tank rafter bracket comprising a hanger to engage the upper edge and outer face of a tank wall and a stirrup adjustably mounted on the hanger and comprising an end wall engaging the inner surfaces of the tank, a bottom wall and apertured spaced side walls.

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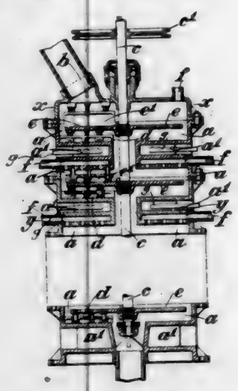
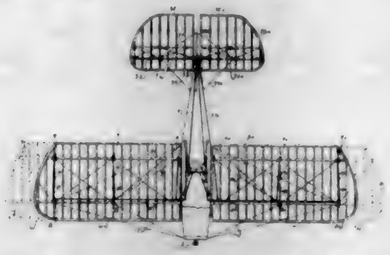
1,558,974. CARBONIZING OR DISTILLATION APPARATUS. NAT HARRIS FREEMAN, Holborn, London, England. Filed Feb. 3, 1921. Serial No. 442,196. 1 Claim. (Cl. 202—9.)



A distillation apparatus for coal or other similar material, comprising a casing, partitions in said casing dividing the interior thereof into a series of superposed compartments, conduits situated centrally of the casing and extending between adjacent compartments and independent annular heating chamber for each compartment, means for controlling the heat supply to said heating chambers in such a manner that the temperature in each heating chamber is maintained constant and the temperature of successive heating chambers is different, means for conducting the distillate separately away from each compartment, a platform in each compartment, means for rotating said platforms, means for feeding the material to be distilled onto the platform in the uppermost compartment towards the centre of said platform, means for conducting away the residue from the lowermost compartment, means for causing the material to traverse the platforms from the centre outwards during their rotation and to deliver the material over the outer edge of each platform onto the outer portions of the floor of the compartment to which it is appropriated, and means for traversing the material across the floor of said compartment inwards towards the conduit leading into the next lower compartment.



1,558,975. AEROPLANE. EDWARD K. GALWEY, San Jose, Calif., assignor of one-half to Frank W. Calliat, San Jose, Calif. Filed Oct. 30, 1922. Serial No. 597,981. 6 Claims. (Cl. 244—29.)



1. An aeroplane comprising a fuselage, a forwardly tiltable plane mounted on each side thereof, forwardly tiltable tail planes, a control member, cable connections between the latter and each plane, guide pulleys for the cable connections, resilient means supporting the guide pulleys, and adjustable means connected to the resilient supporting means for adjusting the tension of the latter.

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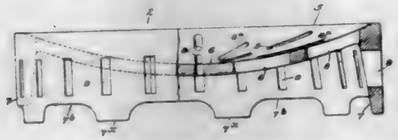
1,558,976. CARAMEL COOKER. GEORGE E. GARABRANT, Irvington, and EDWARD E. BECK, Roselle, N. J.; said Garabrant assignor to said Beck. Filed Jan. 14, 1924. Serial No. 686,091. 1 Claim. (Cl. 126—345.)



A heat distributing unit for confectioner's furnaces comprising an annular vertical wall provided with heat distributing apertures and a dished upper wall formed integral with said annular wall, said upper wall being provided with a plurality of heat distributing apertures of unequal dimensions, the apertures in said upper wall being arranged alternately singly and in pairs with the single apertures spaced equi-distantly between adjacent pairs of apertures.

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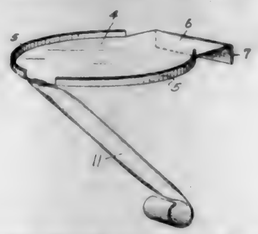
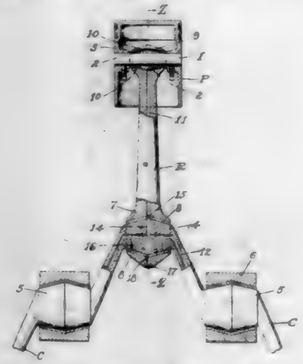
1,558,977. COMBINED SHELF AND BRACKET. ALEXANDER M. GRAY, Charleroi, Pa. Filed Oct. 15, 1924. Serial No. 743,831. 1 Claim. (Cl. 248—18.)



A combined shelf and bracket, integral in construction, composed of sheet metal, stamped to form a flat supporting surface, a depending flange or hook portion at the rear edge of said surface, and a yieldable strut member extending downwardly and rearwardly from the front edge thereof, the lower end of the strut being curved outwardly to provide a curved engaging surface and its mid portion curved to channel form.



1,558,978. BEARING. CLINTON A. GRIMES, Crum Lynne, Pa. Filed July 3, 1923. Serial No. 649,268. 3 Claims. (Cl. 74—38.)



1. In combination with a wrist pin of a crank, said pin being oppositely tapered from the center thereof, said taper adding strength to the pin, a connecting rod having a bearing at the crank end thereof surrounding the pin and correspondingly tapered to snugly receive the wrist pin, the taper of the crank end bearing and the wrist pin holding the bearing against lateral play with respect to the wrist pin, said wrist pin being provided with means to deliver lubricant to the bearing, the bearing being provided with an opening therethrough opening at the high point thereof, said opening in the bearing providing a discharge for surplus lubricant, the delivery of the lubricant to the bearing being at opposite sides of the opening in the bearing and adjacent to the low points of the wrist pin, the means for delivering the lubricant constituting channels.

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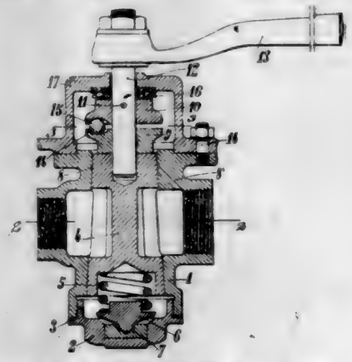
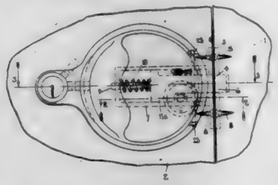
1,558,979. COCK. RENÉ GUILLERY, Paris, France, assignor to Etablissements Mallcet & Blin, Oubervilliers, France. Filed Dec. 9, 1922. Serial No. 605,920. 4 Claims. (Cl. 251—112.)



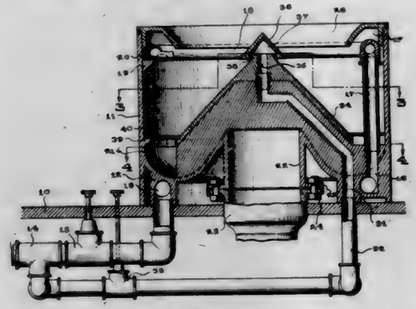
3. In a cock, a shell provided with a frustro-conical bore, a frustro-conical plug substantially filling said bore, means for exerting a very powerful pressure against said plug for tightly forcing the same against the surface of the bore, and means for rotating said plug including elements adapted to exert a powerful pressure on the plug sufficient to substantially counterbalance the pressure exerted by the first mentioned means and thus reduce the friction between the plug and bore to permit the plug to readily turn without breaking the contact between the plug and the wall of the bore.

1,558,980. DOOR LATCH. GEORGE HALINKA, Detroit, Mich. Filed Apr. 24, 1925. Serial No. 25,507. 5 Claims. (Cl. 292—166.)



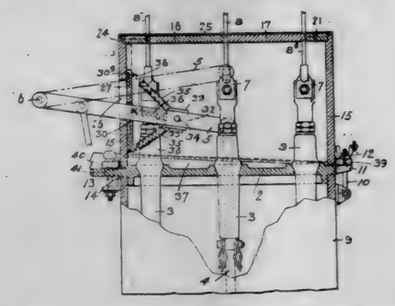
1. A door latch comprising a frame, a latch member slidably mounted therein, a push member and a pull member and means actuating said latch member by actuation of the push or pull member independently.

1,558,981. CUSPIDOR. THOMAS CORWIN HALL, Anamosa, Iowa. Filed May 18, 1925. Serial No. 31,140. 7 Claims. (Cl. 4—262.)



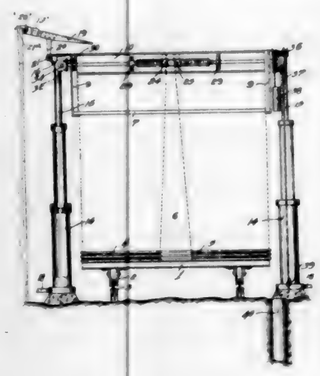
1. A sanitary cuspidor comprising a body, a trap mounted within said body, an outlet casing secured to said trap, baffle plates mounted upon said casing and within said trap, a shield secured to said baffle plates, one of said baffle plates having an opening therethrough, said shield having an opening through the upper end thereof and extending into the opening in said baffle plate, a deflector on said shield, means for spraying water within said body, and means for attaching said outlet casing to a sewer.

1,558,982. SAFETY COVER FOR ELECTRIC SWITCHES. DAVID HANE, Pittsburgh, Pa. Filed Sept. 7, 1923. Serial No. 661,509. 8 Claims. (Cl. 200—168.)



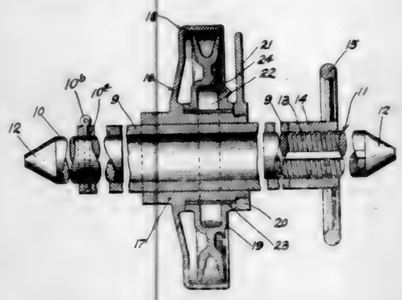
2. The combination with an electric switch provided with a switch box and a cover plate therefor, for supporting a plurality of terminals and conductors leading therefrom, of a safety box comprising a casing having side walls adapted to engage and be closed by said cover plate, and having a removable cover made in two sections with a row of conductor receiving openings formed at their meeting edges.

1,558,983. LUMBER PILER. FREDERICK W. HORSTKOTTE, Spokane, Wash. Filed Nov. 18, 1924. Serial No. 750,691. 3 Claims. (Cl. 214—6.)



1. The combination with a vertically movable stacking frame, and operating means therefor, of stacking guides carried by said frame and a revolvable actuating member for said guides, a cable-drum on said actuating member, a cable on said drum having a counterweight and an anchor for said cable.

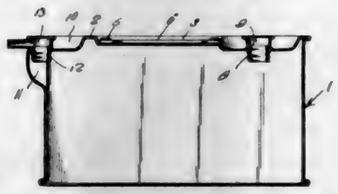
1,558,984. APPARATUS FOR HANDLING LOOSE MATERIAL. JOHN S. HOUSMAN, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 15, 1921. Serial No. 507,857. 1 Claim. (Cl. 254—190.)



In an advance guide for a reciprocably operated scraper, the combination of a jack adapted to be fixed between lateral abutments, comprising a telescoping pick portion at one end thereof and a screw device adjacent the opposite end thereof, a sleeve member slidably mounted on said jack, a rope guard on said sleeve, a rope sheave loosely mounted coaxially with said sleeve and within said guard, and means for securing said sleeve member in a plurality of positions along said jack.

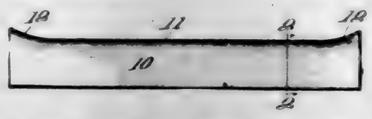


1,558,985. EMERGENCY GASOLINE CONTAINER. EARL T. HOWELL, Champaign, Ill. Filed July 8, 1925. Serial No. 42,228. 2 Claims. (Cl. 221—26.)



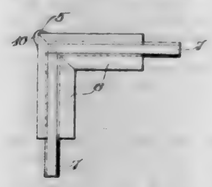
1. An emergency gasoline container comprising a substantially rectangular shaped can, the top thereof being provided with depressions, one of said depressions being provided with a filling neck, a closure cap therefor, a pouring spout mounted in another of said depressions, and a handle normally disposed in another depression, the side portion of the can adjacent the pouring spout being bulged outwardly.

1,558,986. FORMER BLOCK. WALTER A. JONES, Columbus, Ohio. Filed Dec. 1, 1924. Serial No. 753,239. 9 Claims. (Cl. 49—17.)



3. A former block of the character described comprising a solid block of material buoyant with respect to molten glass and capable of being submerged in a glass batu, said block having a convex top surface, the curvature of which is transverse to the longitudinal median line of the block, said top surface being also inclined upwardly contiguous to the ends of the block.

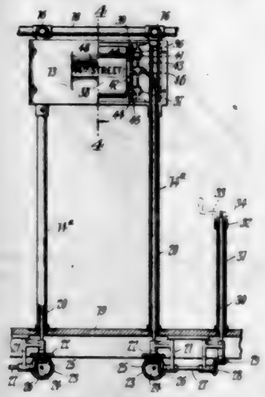
1,558,987. PICTURE FRAME. ANTHONY J. KALLSCHEUER, Chicago, Ill. Filed Sept. 15, 1924. Serial No. 737,929. 6 Claims. (Cl. 40—155.)



1. A picture frame comprising a corner member having branches formed with grooves disposed approximately at right angles to each other, a tongue in one of said grooves and having the inner end portion thereof extended into and permanently secured in the adjacent end of the groove disposed approximately at right angles thereto whereby to permanently connect the branches.

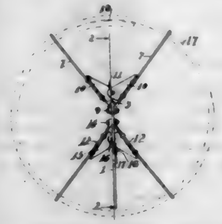
1,558,988. STREET CAR AND STATION INDICATOR. GEORGE A. KARG, Brooklyn, N. Y. Filed Nov. 6, 1924. Serial No. 748,006. 2 Claims. (Cl. 40—86.)

1. A street and station indicator comprising a means for successively displaying the street and station names in their consecutive order, a frame for supporting said indicator, operating rods in the posts of said frame, a universal joint adapted to be operated from said rods to operate said display means, bevel gears at the lower ends of said rods, shafts extending lengthwise of the cars, bevel gears on said shafts in mesh with said first



named bevel gears, stub shafts at an angle to said first named shafts, and means for manually rotating said last named bevel gears to operate said operating rods from a predetermined point of a car.

1,558,989. TIRE-RIM-ADJUSTING DEVICE. CHARLES J. LAUNDRIE, San Jose, Calif. Filed Sept. 25, 1924. Serial No. 739,805. 1 Claim. (Cl. 157—1.)

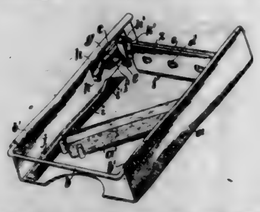


A collapsible and portable tire rim adjuster comprising a link having a plurality of spaced orifices arranged longitudinally therein, a pair of outwardly diverging hooked arms positioned on opposite sides of said link, a bolt passing therethrough and through one of said orifices to secure said link and arms in fixed relation to each other overlapping ears mounted upon the opposed sides of said arms and a pivotal connection between said ears, a lever having an offset end portion pivotally connected to said link, a pair of outwardly diverging hooked arms removably mounted upon opposite sides of said lever adjacent to the point of attachment of said link, overlapping ears mounted upon the opposed sides of said last mentioned arms, and a pivotal connection between said overlapping ears.

1,558,990. RAZOR-BLADE-SHARPENING APPARATUS. EWALD LEIMBERG, Berlin, Germany. Filed Jan. 15, 1925. Serial No. 2,630. 2 Claims. (Cl. 51—153.)

1. In an apparatus for sharpening razor-blades at both edges and at both sides of each edge, in combination: a slide adapted to be reciprocated in a casing; blade-holder bearings at the free ends of said slide, and a blade-holder supported in said bearings; two pairs of

projections arranged at right angles to one another and attached to said blade-holder at one end thereof; a plate spring carried by the bearing adjacent to said projections and arranged to cooperate with one of said pairs



of projections; a guide-ledge on the bottom of said casing, and a stationary projection near the outer end of said ledge and adapted to co-operate with the other pairs of projections, substantially as set forth.

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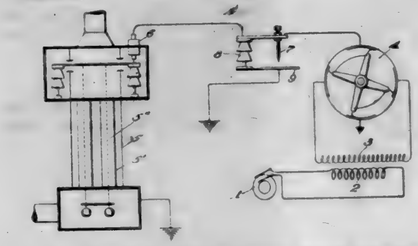
1,558,991. SURGE DISSIPATOR FOR ELECTRICAL PRECIPITATION CIRCUITS. GEORGE R. LEWERS, New York, N. Y., assignor to Research Corporation, New York, N. Y., a Corporation of New York. Filed May 18, 1920. Serial No. 382,328. 3 Claims. (Cl. 188—7.)



1. In combination with an electric circuit including an electric precipitator, of means in parallel with the precipitator for effecting a corona discharge, said means being constructed and arranged to maintain a corona discharge at the normal operating voltage of the precipitator.

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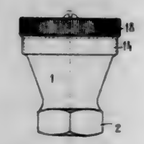
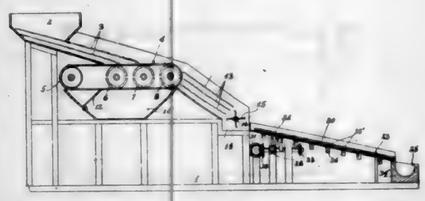
1,558,992. VALVE. MARIO LOMBARDI, Naples, Italy. Filed Jan. 29, 1924. Serial No. 689,353. 2 Claims. (Cl. 251—100.)



1. A valve including a tubular body provided with an opening in its wall, a plug in the body having a passageway adapted to lead fluid from the interior of the body to said opening, said plug having a stem and a stop pin projecting beyond one end of the body, a cover arranged at the same end of the body and provided with arc-shaped slots, fastening elements passing through the slots and extending into the body for adjustably holding the cover in position, said cover having an opening to receive the stem of the plug and the cover also having stop surfaces arranged to contact with the stop pin on the plug for limiting the rotation of the latter, and a handle arranged on the stem in close proximity to the cover and covering the cover to prevent any one from tampering with the fastening elements without first removing the handle.

1,558,993. ELECTRIC AMALGAMATOR. WILLIAM C. MCLAUGHLIN, Oakland, Calif. Filed July 17, 1923. Serial No. 652,170. 2 Claims. (Cl. 83—68.)



1. An amalgamating and separating machine comprising a hopper adapted to receive the metal bearing sand, means to separate the iron from said sand, a plurality of mercury plated screens, and a separating table positioned below said screens, riffle bars in said table, and collecting wells positioned in the bottom of said table.

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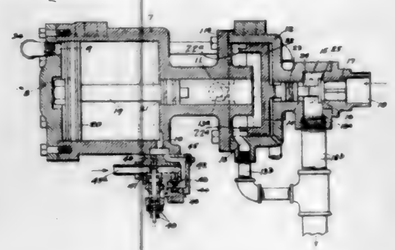
1,558,994. AUTOMATIC DRIFTING-VALVE SYSTEM. CLINTON O. MIELE, Portland, Oreg. Filed Dec. 22, 1920. Serial No. 432,548. 9 Claims. (Cl. 121—137.)



1. In a locomotive drifting valve mechanism, the combination of a drifting valve for controlling the admission of a limited quantity of steam to the engine cylinder when the throttle is closed, and means for controlling the duration of the opening of the drifting valve, comprising a piston connected with the valve and acted upon by the steam from the engine cylinder for closing the valve when the throttle is closed, a timing cylinder, a timing piston movable in the cylinder provided with means to cause operation of the drifting valve piston for actuating the drifting valve to closing position, means for admitting fluid to the timing cylinder for resisting movement of the timing piston, a conduit connecting the timing cylinder with a source of steam, a valve controlling the flow of steam through said conduit, and means connected with the valve and actuated by the steam from the engine cylinder when the throttle is closed for closing said last mentioned valve.

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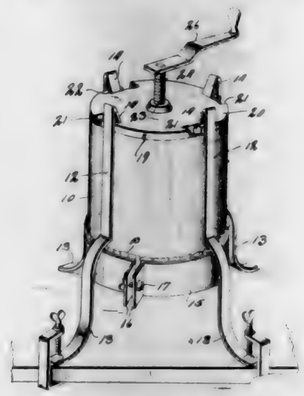
1,558,995. COMBINATION JELLY STRAINER AND FRUIT PRESS. MAY NOEL MITCHELL, New Rockford, N. Dak. Filed Apr. 21, 1924. Serial No. 708,071. 3 Claims. (Cl. 100—44.)

1. A fruit expressing device of the character described comprising a cylindrical container having a perforated bottom, a cover having a screw-threaded central opening, a threaded shaft passing through the opening and carrying a piston in its lower end and a handle at the upper end of the shaft, and means for locking the cover in place upon the container comprising strips attached to the side wall of the container and extending above



the same, the upper ends of the strips being downwardly and inwardly extended, the margin of the cover being provided with recesses to initially receive said inwardly



bent ends of the strips whereby the cover may be placed within the strips and then shifted to cause the cover to shift into position beneath the downwardly and inwardly extending portions of the strips.

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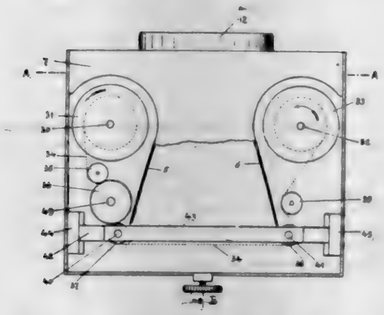
1,558,996. PHOTOGRAPHIC APPARATUS. JOSEF MROZ, Vienna, Austria. Filed June 6, 1923. Serial No. 643,763. 22 Claims. (Cl. 95—2.)



1. A photographic apparatus adapted for the use of film-ribbons running from one spool to a second, comprising an objective, guiding rolls for the film ribbon, two of which are arranged in such a manner as to hold a portion of the film ribbon in a plane perpendicular to the optical axis of the objective, a friction roll against which the film ribbon is pressed and which is driven by the film ribbon, a movable carrier having apertures, color-filters fixed within the said apertures and a mechanism for transmitting the rotations of the friction roll to the said filter-carrier in order to bring the color-filters successively in coincidence with the objective.

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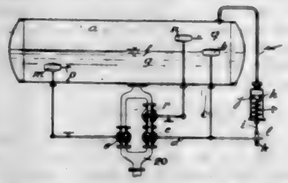
1,558,997. METHOD AND MEANS FOR CONTROLLING THE WATER LEVEL IN STEAM BOILERS. FRIEDRICH MÜNZINGER, Berlin-Wilmersdorf, Germany. Filed June 19, 1923. Serial No. 646,431. 20 Claims. (Cl. 122—451.)

1. Boiler feed water apparatus comprising a feed conduit, means to control flow through said conduit under normal pressure conditions solely in response to water level in the boiler, and means modifying the



action of the first mentioned means for controlling the flow through said conduit under abnormal conditions solely by pressure in the boiler.

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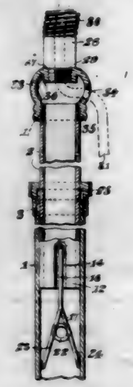
1,558,998. THERAPEUTIC LAMP APPLIANCE. DELL W. NICHOLS, Minneapolis, Minn. Filed Mar. 18, 1924. Serial No. 700,106. 1 Claim. (Cl. 248—7.)



An adjustable support comprising a base, a sectional standard connected therewith and formed of an adjustable tubular upper section and a stationary tubular lower section, said upper section telescoping in said lower section and having its lower terminal portion provided with lengthwise extending diametrically opposed peripheral grooves, and a contractile frictional clamp provided with right angularly disposed upper ends extending in and pivotally connected to said upper section, said clamp depending from and seating in the grooves of said upper section and further frictionally engaging with the lower section to maintain said upper section in adjusted position.

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1,558,999. HELVE GUARD. CHARLES OUTLIEB, Little Falls, N. Y. Filed Oct. 26, 1923. Serial No. 670,940. 1 Claim. (Cl. 306—37.)

A helve guard for a tool-handle comprising a thin elongated sheet metal plate curved transversely to conform to the contour of the handle and being of such width as to cover both the bottom and the sides of the handle for an appreciable extent when applied to the underside thereof, the forward edge of the said elongated plate being tapered for forced insertion between the

tool-end of the said handle and the tool carried thereby, a relatively small plate arched transversely to fit the upper edge of the said handle and being normally disposed above the rear end of the said elongated plate, and a connecting strap of flexible sheet metal carried by the said elongated plate, and extending upwardly around opposite sides of the handle with its free ends connected to the said small plate.

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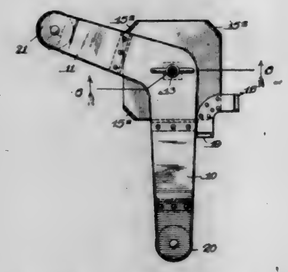
1,559,000. APPARATUS FOR HANDLING LOOSE MATERIAL. GLENN W. PACKER, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 16, 1920, Serial No. 431,251. Renewed Apr. 10, 1925. 17 Claims. (Cl. 37—115.)



1. In a device of the class described, in combination with a scraper, two draft devices for moving the same in opposite directions, and a turning device adapted to be moved by said scraper into a plurality of positions for successively engaging said draft devices.

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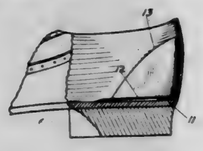
1,559,001. STOCKING PROTECTOR. CHARLES PAPE, Denver, Colo. Filed June 6, 1925. Serial No. 35,469. 1 Claim. (Cl. 36—55.)



A stocking protector which is adapted to be placed inside a shoe against the inner rear surface thereof, said stocking protector being formed out of a sheet of resilient and noncorrodible material and having a highly polished exposed forward surface and also a rear friction surface, the upper and lateral edges being turned rearwardly so that the edges will engage the lining of the shoe and providing also a curved surface for the passage of the heel of the stocking when putting on the shoe, the upper edge of the stocking protector having a reentrant curve to facilitate the passage of the heel of the foot when putting on the shoe and also providing projections on each side of the reentrant curve for digging into the lining of the shoe, and a plurality of ears projecting from the lower edge of said stocking protector, said ears being adapted to secure the stocking protector to the heel of the shoe.

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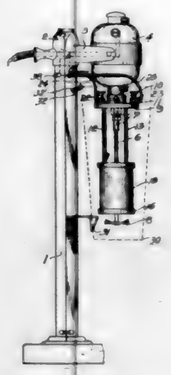
1,559,002. ELECTRIC HEATER. MICHAEL R. PLASTINO, Spokane, Wash. Filed July 21, 1924. Serial No. 727,294. 10 Claims. (Cl. 219—19.)

8. The combination with a support of an attaching disk and means for securing it to said support, a pair of tubular supporting bars depending from the disk, a heating device supported from said bars and comprising an inner shell and an outer casing forming an interior



annular space, a heating element located in said space, and electric wires passed through said tubular bars to the heating element.

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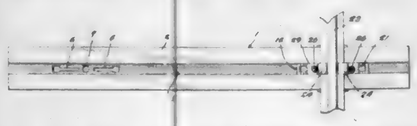
1,559,003. SELF-CUSHIONING METAL TIE. RICHARD L. POWELL, Lewistown, Pa. Filed May 20, 1925. Serial No. 31,644. 5 Claims. (Cl. 238—48.)



1. In a device of the class described, a tie provided with an opening, plates extended transversely of the tie, a block located between the plates, a securing element mounted in one plate and engaging the block, the securing element being insertible through the opening, a rack bar on the tie and having a projection received in the opening and located above the securing element, a rail retainer cooperating with the rack bar, and means for holding the retainer in place.

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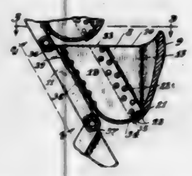
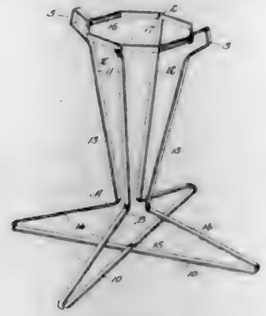
1,559,004. DREDGE BUCKET. JOHN J. RATTIGAN, Homestead, Pa. Filed May 18, 1921. Serial No. 470,734. 3 Claims. (Cl. 37—191.)



2. In a dredge bucket, a body portion of comparatively soft material, a spoon-shaped cutting-lip of very hard material covering the whole front face and wearing portion of the ends of the bucket, and having its front face of much greater thickness than the side-walls thereof, for resisting the greater amount of wear on the front portion of the cutting-lip.



1,559,005. VASE HOLDER. ALICE M. RICHARDS, Oshkosh, Wis. Filed May 2, 1924. Serial No. 710,622. 2 Claims. (Cl. 248—41.)



2. A vase holder comprising a pair of skeleton members each including side portions and a base connecting the lower ends of said side portions, a pivotal connection between the bases of said members, an endless top element pivoted to and between the free ends of one member, and formations on the free ends of the side portions of the other member detachably engageable respectively in recesses formed in the endless top element when the latter is in a plane substantially parallel to the bases of the members, the distance between the side portions of the last named member when the latter is disconnected from the top element being less than the distance between the side portion of the first named member whereby the last named member may be moved to a position to dispose the side portions thereof substantially between the side portions of the first named member.

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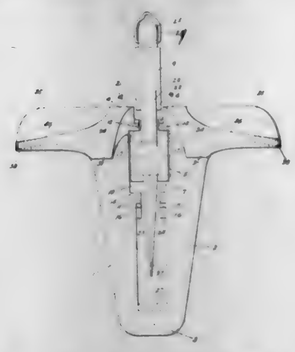
1,559,006. ANCHOR. EDWARD RITCHIE, Astoria, Oreg., assignor to Self Clearing Anchor Company, a Corporation of Oregon. Filed July 19, 1921. Serial No. 485,912. 6 Claims. (Cl. 114—208.)



3. In an anchor, the combination with a bifurcated shank having a toe, sides and flukes thereon, and a cross-piece uniting the sides of the shank near its open end, of a draw-bar provided with a longitudinally slotted trunnion-head upon the cross-piece, opposite curved flanges upon the shank sides for the accommodation of the trunnion-head, a latch on the free end of the draw-bar, a keeper on the toe, medial cams upon one pair of the curved flanges, respectively, and snubs upon opposite sides of the draw-bar for operative engagement with said cams, all cooperative substantially as set forth.

1,559,007. AUTOMOBILE SIGNAL. WILLIAM J. SCHIRMANN, Buffalo, N. Y. Filed Jan. 17, 1925. Serial No. 3,024. 5 Claims. (Cl. 116—52.)

1. In a left turn signal of the character described, a casing having an opening, a signal arm arranged in said casing, said signal arm being in the form of an upwardly pointing arrow having a pointed head, means arranged at the lower end of said signal arm for swinging said signal arm in and out of said casing through said opening a cam-shaped detent finger pivotally mounted in said casing above the pointed head of said signal arm, and spring means adapted to force said cam-shaped detent finger against the point and converging faces of said signal arm and thereby force said signal arm in the corresponding direction, whereby said signal arm is held in said casing by the engagement of said detent finger with the outer converging face of said head, and upon moving said signal arm outwardly past the point thereof the detent finger engages the inner converging face and forces said signal arm out of said casing.

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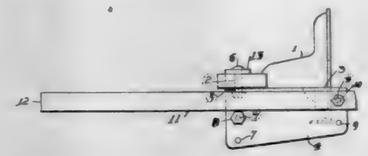
1,559,008. DRAWBAR. THEODORE G. SCHMEISER, Davis, Calif. Filed July 22, 1924. Serial No. 727,431. 3 Claims. (Cl. 280—33.44.)



1. A draw-bar structure comprising a plate adapted to be mounted upon a tractor draw-head and having side flanges formed thereon, means for pivotally mounting a draw-bar arm at one end of each flange, and means for limiting the pivotal movement of the draw-bar arms arranged at the other end of each flange.

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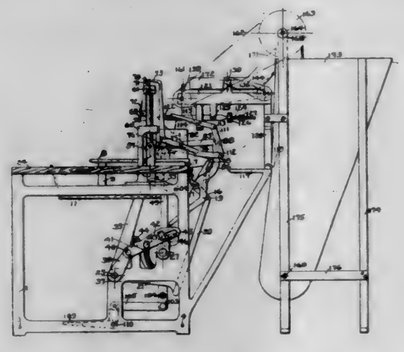
1,559,009. AUTOMATIC CIGAR-BUNCHING MACHINE. WALTER H. SCHUSSLER, Philadelphia, Pa., assignor to The Schussler Tobacco Machine Co. Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 8, 1922. Serial No. 541,914. 4 Claims. (Cl. 131—42.)

1. In an automatic cigar bunching machine, a container for the tobacco, a conveyor, a feed belt to which

the tobacco is discharged from said conveyor, weighing mechanism to receive the discharge from said feed belt, a retainer to receive the tobacco from said weighing



mechanism, means to discharge the tobacco from said retainer, and a bunching machine to receive the discharge from said discharging means.

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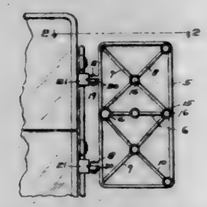
1,559,010. MOTION AND DIRECTION SIGNAL FOR AUTOMOBILES. GEORGE BEN SCHWIEGER, Phoenix, Ariz. Filed Feb. 4, 1924. Serial No. 690,488. 3 Claims. (Cl. 177—329.)



1. A device of the character described comprising a substantially rectangular frame and tubular braces constituting an electrical conduit, lamp casings at the juncture of said frame and braces with which said conduit communicates, the casings being disposed in two diagonal rows and one horizontal row and a sheet of transparent material spanning said frame and secured therein to adapt it to constitute a wind break.

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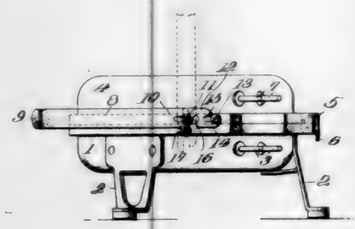
1,559,011. DENTAL TOOL. PERRY R. SKINNER, Amsterdam, N. Y. Filed Mar. 5, 1923. Serial No. 622,855. 4 Claims. (Cl. 32—11.)

1. Attaching means of the kind described, for a dental tool, comprising a pivoted plate arranged on one side of a tool to be secured, and a second plate pivotally attached to the first and arranged on the opposite side of the tool, both plates being capable of swinging on their pivots to contact with or be removed from the tool.

1,559,012. WAFFLE IRON. ALVA T. SMITH, Winsted, Conn., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a Corporation of Connecticut. Filed Mar. 24, 1922. Serial No. 546,231. 7 Claims. (Cl. 53—10.)



2. In a waffle iron, interconnected upper and lower heating sections, a handle permanently connected with one of said sections and adapted to rigidly lock with either the lower or upper section for lifting said waffle iron or for opening said sections.

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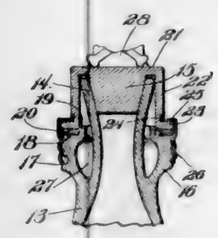
1,559,013. CONTAINER. ORA E. SMITH, Salem, Ill. Filed Apr. 28, 1925. Serial No. 26,452. 1 Claim. (Cl. 215—9.)



A glass container having a neck provided with an annular flange extending upwardly and outwardly therefrom in spaced relation to the upper end of the neck, the upper end of said flange being formed to provide a seat, the outer face of the flange being threaded, a cap for the neck including a sealing element for the upper end of the neck and a depending flange having at its lower end a horizontal flange confronting the upper end of the first named flange, a gasket disposed upon the upper end of the first named flange, a metallic cap rotatably engaged with the first named cap and having threads for engagement with the flange of the bottle neck, the flange of the bottle neck having an integral upwardly extending flange at the upper end thereof fitting within the depending flange of the cap for the neck.

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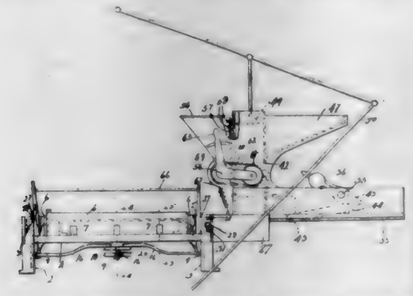
1,559,014. TILE-MAKING MACHINE. WILLIAM R. SNYDER, Philadelphia, Pa. Filed Apr. 4, 1923. Serial No. 629,784. 7 Claims. (Cl. 25—43.)

3. In a tile making machine, the combination of legs or standards, a frame fixed to said standards, pallet supporting means detachably mounted on said frame, a pallet removably seated on said supporting means, side plates removably and adjustably mounted on the frame,



means also supported by the frame to force said plates toward the pallet, face plates adjustably secured to said side plates, a material holding box adapted to be moved



back and forth over the pallet, a slicker movable with the box, and means for moving said slicker independent of the box.

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1,559,015. WELDING ROD. WINSTON F. STOODY, Whittier, Calif. Filed July 9, 1925. Serial No. 42,584. 2 Claims. (Cl. 219—8.)

2. A welding rod containing iron, chromium approximately 7%, manganese 4% and silicon 1 and ¼%.

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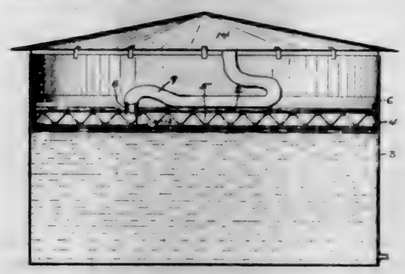
1,559,016. METHOD OF AND TANK FOR STORING OIL. SMITH L. STOVALL, Kerto, Calif., assignor to C. A. Gibson and J. F. Gibson, jr., both of Visalia, Calif. Filed Jan. 4, 1921. Serial No. 435,013. 1 Claim. (Cl. 220—26.)



The combination with a tank for containing oil or oil products, of a vertically movable partition in said tank, a depending peripheral wall on said partition forming a chamber below the partition for the accumulation of gas, a gas discharge conduit on said partition, a valve for controlling the flow of gas through said conduit and means operative by variation in the amount of gas in said chamber, for opening and closing said valve.

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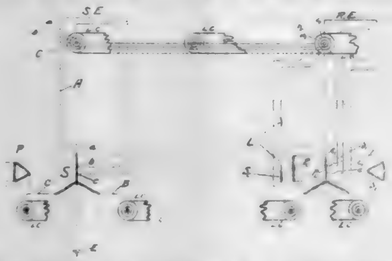
1,559,017. ELECTRICAL POWER-TRANSMISSION SYSTEM. ALFRED MILLS TAYLOR, Erdington, England. Filed Jan. 16, 1925. Serial No. 2,955. 6 Claims. (Cl. 171—97.)

1. In a high-tension, alternating-current system including a concentric cored cable comprising current transmitting conductors in which the requisite capacity current for the outermost core or cores is transmitted through the central core of the cable at a maximum transmission voltage to the point or points at which the current is to be fed to the outer core or cores, means for supplying said capacity current at the required pressure or pressures to said outer core or cores comprising an independent transformer at each point having its primary winding connected with the central core of the cable and neutral of the system and its secondary winding connected with one of the outer cores only and the neutral of the system whereby an efficient proportioning



of the potential gradient applied to the outer core of cores and central core is obtained and the quantity of conducting material required for the outer core or cores is minimized.

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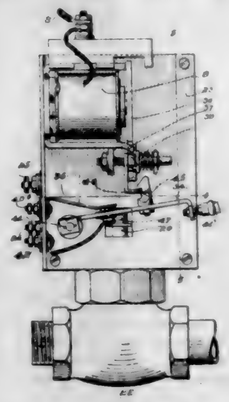
1,559,018. SAFETY CONTROL FOR FLUID-FUEL VALVES. FRANK C. TAYLOR, Rochester, N. Y. Filed May 27, 1925. Serial No. 33,309. 9 Claims. (Cl. 137—139.)



1. The combination with a valve, of means for moving the valve in one direction, detaining means for holding said valve moving means against action, and an electric magnet arranged to hold the detaining means in detaining relation to the valve holding means.

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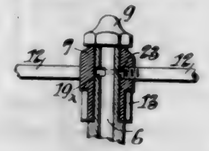
1,559,019. ROTATABLE SPRINKLER HEAD. WILLIAM C. TODD and JAMES W. POMEROY, Victoria, British Columbia, Canada. Filed Aug. 17, 1922. Serial No. 582,382. 8 Claims. (Cl. 299—69.)



1. In a rotatable water sprinkler, the combination with a hollow stem to which a water service is delivered, said stem having a lateral port the ends of which port are connected together around the other side of the stem by a limiting groove, a sprinkler head rotat-

ably mounted on the stem, said head having a series of jet apertures extending from the bearing outward, which apertures will thus receive a full supply of water while passing the lateral port, and a restricted supply while passing along the groove during the remainder of the revolution of the head.

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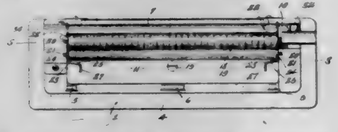
1,559,020. ENVELOPE-OPENING MACHINE. JAMES V. WASHBURNE, Syracuse, N. Y. Filed Oct. 13, 1920. Serial No. 416,665. 11 Claims. (Cl. 164—66.)



1. An envelope opening machine comprising a base formed with uprights, a rotary cutter having axles journaled in the uprights, a shear plate mounted on the base in front of the cutter, a pair of arms mounted on the axles of the cutter and extending forwardly therefrom, and a roller having axles at its ends journaled in said arms, the roller resting on the shear plate, substantially as and for the purpose described.

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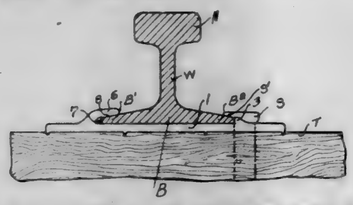
1,559,021. TIE PLATE. THEODORE WEILER, Medical Lake, Wash. Filed June 23, 1924. Serial No. 721,671. 1 Claim. (Cl. 238—304.)



A tie plate having on its bottom two series of diagonally extending, intersecting ribs, a longitudinally extending integral lug on its upper face and an inner shoulder on said lug perpendicular to the top surface of the tie plate, and a spaced overhanging parallel flange with an undercut clearance at its junction with the top surface of the plate and fashioned with an inclined frictional contact face on its under side.

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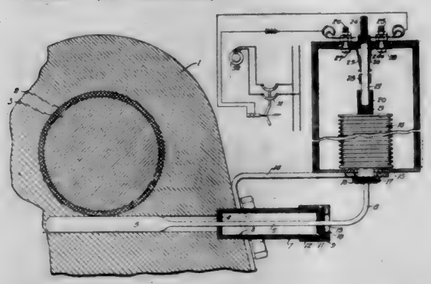
1,559,022. THERMOSTAT. ROY J. WENSLEY, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 10, 1919. Serial No. 343,977. 2 Claims. (Cl. 200—140.)



1. A thermal protective device for machine parts comprising a bulb containing a volatile fluid, a bellows connected with the bulb and responsive only to the volatilized fluid, an insulating rod operable by said bellows, contact members bearing against said rod, and means on the rod for completing an electrical circuit through the contact members.

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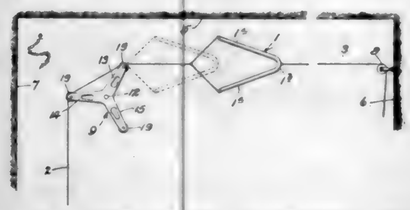
1,559,023. APPARATUS FOR HANDLING LOOSE MATERIAL. ROBERT J. WOOD, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 2, 1921, Serial No. 474,431. Renewed May 4, 1925. 7 Claims. (Cl. 37—115.)



1. In a scraper apparatus, in combination with a scraper having two draft ropes for reciprocably operating the same, a rotatable turning device having three or more bearing members spaced apart, any two adjacent members being arranged to successively engage said draft ropes at both ends of said scraper.

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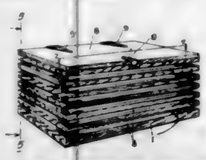
1,559,024. COLLAPSIBLE CRATE. ALVAH GRAY WOODWARD, Detroit, Mich. Filed Apr. 28, 1924. Serial No. 709,416. 8 Claims. (Cl. 217—36.)



1. In a crate, the combination with bars forming the walls of the crate, of spacers insertable between said bars, and members carrying said spacers pivotally secured to the crate bottom to permit a ready removal of said spacers from between said bars.

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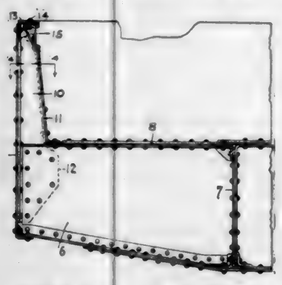
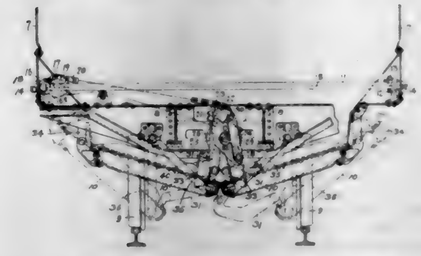
1,559,025. CAR FOR HOT METAL. HARRY T. ANDERSON and ANDREW CHRISTIANSON, Butler, Pa., assignors to Standard Steel Car Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 20, 1924. Serial No. 714,654. 6 Claims. (Cl. 105—406.)



1. The combination with a car provided with a side sheet, of an auxiliary inside sheet, means for mounting said inside sheet in spaced relation to said side sheet, and a top rail disposed above one of said sheets and mounted in fixed relation thereto.



1,559,026. CAR-DOOR-OPERATING MECHANISM. HARRY T. ANDERSON, Butler, Pa., assignor to Standard Steel Car Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 20, 1924. Serial No. 714,655. 5 Claims. (Cl. 105—250.)



1. Car door operating mechanism comprising an operating shaft, a counter shaft disposed at right angles to said operating shaft, cooperating gear wheels carried by said shafts, a sprocket carried by said counter shaft, door closing mechanism, a sprocket for actuating said mechanism, and a drive chain connecting the said sprockets.

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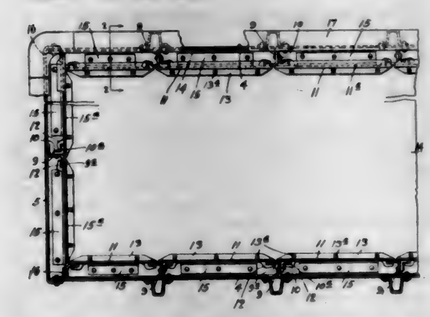
1,559,027. CAR FOR HOT METAL. HARRY T. ANDERSON, Butler, Pa., assignor to Standard Steel Car Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 20, 1924. Serial No. 714,656. 7 Claims. (Cl. 105—406.)



7. The combination with an open top car body provided with a side wall, of auxiliary wall sections each extending from a point adjacent to the top of the car to the floor thereof, locking means mounted in fixed relation to said side wall, and means on said auxiliary wall for effecting interlocking engagement with said locking means.

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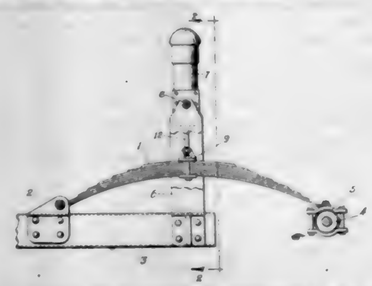
1,559,028. PAPER COVER FOR CONTAINERS. JAMES E. ANNEN and GEORGE O. FROSTAD, Milwaukee, Wis., assignors to The National Paper Can Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 21, 1922. Serial No. 545,531. 2 Claims. (Cl. 229—5.6.)

1. A paper container cover formed of a paper disc having its edge portion folded back upon itself and then bent substantially at right angles to the disc body, and an inner disc having its edge extending into the fold of the first disc, substantially as described.

1,559,029. SPRING SUSPENSION. HALFDAN B. U. AHONSEN, Oakland, Calif. Filed Sept. 20, 1924. Serial No. 738,942. 3 Claims. (Cl. 267—8.)



1. A vehicle spring suspension comprising a leaf spring secured at one end to the vehicle, and at the other end to the axle, a shock absorber secured to said frame, a pitman extending from said shock absorber and secured to said leaf spring.

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1,559,030. CYLINDER SWITCH WITH NO-VOLTAGE OR OVERFLOW-CURRENT RELEASE. REINHARDT THEODOR BÄR and KARL BÖLTE, Frankfort-on-the-Main, Germany, assignors to the Firm Voigt & Haeffner, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Aug. 29, 1921. Serial No. 496,664. 6 Claims. (Cl. 200—89.)

1. In an electromagnetic switch, a switch shaft, a switch member rotatable on said shaft, a cam fixed on said shaft, a rocking lever having a relatively stationary fulcrum operated by said cam, releasable connections between said rocking lever and switch member, a relatively stationary electromagnet controlling said connections and means for biasing said switch member to open-circuit position.

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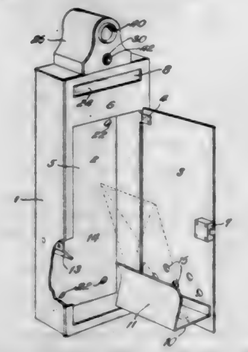
1,559,031. MAIL BOX. HERBERT C. COX, Chicago, Ill. Filed Mar. 16, 1922. Serial No. 544,112. 2 Claims. (Cl. 232—28.)



1. A mail receptacle having at the upper part a mail slot and having a vertically hinged horizontally and outwardly swinging door provided with an inwardly projecting ledge positioned for lodgment thereon of matter

entered through the slot, the receptacle having at the side of its chamber proximate to which the free edge of the door closes, an inclined guide plate for the material entered through the slot, sloping down away from that side of the chamber past the proximate edge of the door opening, for preventing encounter of said matter with the edge of the door opening in the opening movement of the door.

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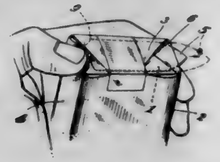
1,559,032. CONTAINER AND DEVICE FOR OPENING SAME. JOHN P. CURRY, Riverside, Conn. Filed Apr. 15, 1924. Serial No. 706,628. 5 Claims. (Cl. 229—51.)



1. The combination with a container having a wall, of an opener having a perforating end within the container, said end being movable endwise in said container with respect to said wall in such a way as to pierce through said wall from the inside and to protrude therefrom sufficiently to be grasped by a person's fingers.

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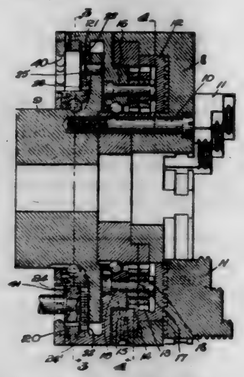
1,559,033. CHUCK. WALLACE M. CUTLER, Windsor Locks, Conn. Filed July 8, 1921. Serial No. 483,260. 7 Claims. (Cl. 279—114.)



1. A chuck comprising, in combination, a body, jaws, a jaw-operating part mounted for turning movement relative to the chuck body, differential means for turning said part relative to the chuck body and planetary means for actuating said differential means.

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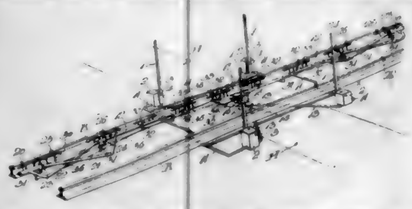
1,559,034. RAILWAY-CROSSING GATE. RICHARD DAVIS, West Scranton, and EARL GEHLING, Scranton, Pa. Filed July 9, 1925. Serial No. 42,521. 4 Claims. (Cl. 246—272.)

1. In an operating means for a railway crossing gate of a type having a chamber to receive a gate-actuating fluid, and an exhaust valve for said chamber; fluid pressure supply pipes extending along the railway at opposite sides of the crossing and communicating with said chamber, normally closed control valves for said pipes remotely spaced from the crossing and having train-depressed shoes by which they are opened, other train-depressed shoes at spaced points along the track between the first named shoes, bell cranks disposed in vertical planes parallel with the rails and operatively connected with said shoes to be swung thereby about their fulcrums, the bell cranks at each side of the crossing having ends movable away from said crossing



when the shoes are depressed, two flexible lines at opposite sides of the crossing connecting said ends of the bell cranks at their respective sides of said crossing, and means connecting the inner ends of said lines, said connecting means being operatively connected with said exhaust valve to close the latter when either of said valves is opened.

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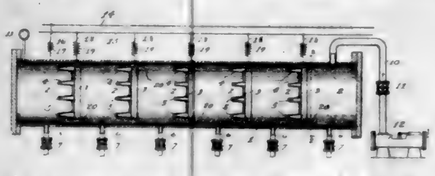
1,559,035. PROCESS AND APPARATUS FOR DEHYDRATING EMULSIFIED OILS. GUSTAV EGLOFF and HARRY P. BENNER, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Nov. 1, 1920. Serial No. 420,881. Renewed Mar. 28, 1925. 10 Claims. (Cl. 204—24.)



1. A process of dehydrating heated emulsified petroleum oil consisting in passing the oil through a series of spaced foraminated plates, the foraminations being of gradually decreasing size, under pressure and simultaneously subjecting the oil to the action of electrical current as it passes through said plates.

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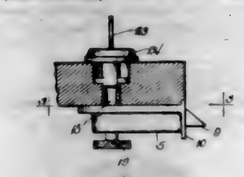
1,559,036. PROCESS AND APPARATUS FOR DEHYDRATION OF OIL. GUSTAV EGLOFF and JACQUE C. MORRELL, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Feb. 18, 1922. Serial No. 537,483. Renewed Mar. 28, 1925. 4 Claims. (Cl. 204—24.)

1. A process for dehydrating oil, consisting in dissolving into the oil and water a medium adapted to improve its conductivity, then passing an electric current therethrough to effect separation and permitting the water to separate from the oil in a settling stage.



1,559,037. LOCK. JOHN E. FLOYD, Chicago, Ill., assignor of one-half to Wellington S. Wemple, Chicago, Ill. Filed Dec. 9, 1922. Serial No. 605,840. 2 Claims. (Cl. 70—46.)



1. A latch structure having a reciprocatable spring-pressed bolt; a cross-bar secured to the rear end of the bolt; a rotatable tumbler having two ends selectively to engage the bar when rotated to retract the bolt, and a spring-pressed latch-member to engage the other end of the tumbler to yieldingly hold the bolt retracted against the spring.

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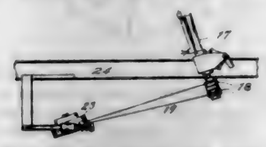
1,559,038. SWITCH FOR VEHICLE SIGNAL SYSTEMS. JOHN A. FORNEY, Reading, Pa. Filed Aug. 31, 1923. Serial No. 660,279. 1 Claim. (Cl. 200—59.)



A switch device for vehicles comprising a casing, a pair of parallel rods on which the casing is mounted, a coil spring surrounding each of said rods, two terminals and a contact member, a steering post, a worm grooved pulley on the lower end of the post, a grooved pulley connected with the contact member, an endless cable connecting the worm pulley on the steering post with the grooved pulley, whereby the actuation of the steering post will effect a contact between said contact member and either of the terminals.

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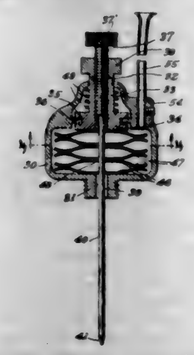
1,559,039. THERMOSTATIC NEEDLE CONTROL FOR CARBURETORS. ERIC T. FRANSEN, Maplewood, N. J. Filed Dec. 4, 1922. Serial No. 604,649. 2 Claims. (Cl. 261—39.)



1. A carburetor attachment comprising in combination with the mixing chamber and supply chamber thereof, of a closed casing separably engaged with said mixing chamber, means for entering air at variable temperature to said casing, a sleeve slidable through the upper part of said casing, a screw operable in said sleeve, means for locking said screw when in adjustment, a needle valve pivoted in the inner end of said screw, said valve controlling the passage between said chambers, and a series of thermostatic couples in said casing adapted to actuate said sleeve.

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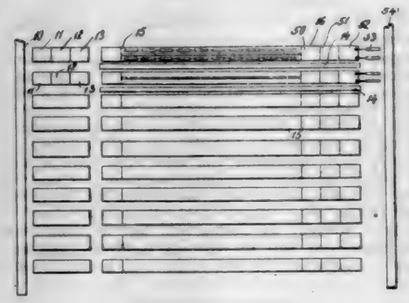
1,559,040. CONTINUOUS PROCESS FOR THE MANUFACTURE OF ROOFING ELEMENTS. JULIUS H. GILLIS, Elizabeth, N. J., assignor, by mesne assignments, to Anaconda Sales Company, a Corporation of Delaware. Filed Mar. 15, 1923. Serial No. 625,286. 34 Claims. (Cl. 204—8.)



1. A process for producing roofing elements consisting of a base and a metallic coating applied to the surface of the base, which comprises moving a series of bases through a cell containing a plurality of spaced anodes, with a step-by-step movement, and depositing a metallic coating on the bases by electrolysis during such movement.

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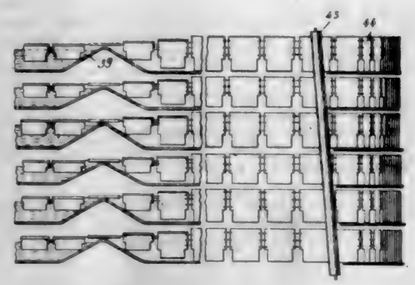
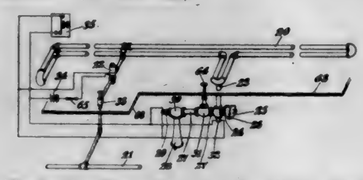
1,559,041. METHOD AND APPARATUS FOR CONTINUOUSLY COATING ROOFING ELEMENTS ELECTROLYTICALLY. JULIUS H. GILLIS, Elizabeth, N. J., assignor, by mesne assignments, to Anaconda Sales Company, a Corporation of Delaware. Filed Aug. 15, 1923. Serial No. 657,488. 30 Claims. (Cl. 204—8.)



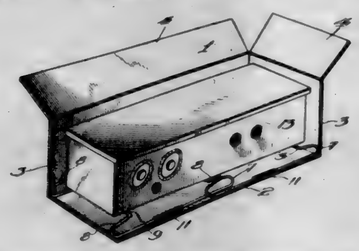
6. A process of coating roofing elements of the type described which comprises supporting a series of elements upon a plurality of electrical conductors within an electrolytic cell, the conductors extending transversely of the series of elements, and moving said elements through the cell in such manner that substantially all of the surface of the individual element to be coated comes repeatedly in contact with a conductor.

1,559,042. HEATING SYSTEM. EDWARD E. GOLD, New York, N. Y., assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 10, 1922. Serial No. 593,580. 5 Claims. (Cl. 236—41.)



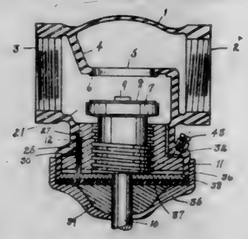
1. The combination with a steam radiator having an electrically operated steam admission valve, and a trapped outlet effective at a predetermined pressure to discharge water of condensation without permitting the escape of steam, of a second outlet connection normally open to atmosphere, a thermostat in said connection, said thermostat being sensitive to the temperature of steam at atmospheric pressure, an electric circuit connecting said thermostat and said valve with a source of energy, whereby the opening and closing of said valve may be controlled by said thermostat, and a valve in said connection between said thermostat and said radiator whereby on closing said last mentioned valve the thermostat will be rendered ineffective and steam may be maintained in said radiator at a pressure above that of atmosphere.

1,559,043. RESILIENT SUPPORT FOR PACKING FRAGILE ARTICLES. SOLOMON H. GOLDBERG, Chicago, Ill. Filed May 1, 1924. Serial No. 710,300. 9 Claims. (Cl. 217—54.)



1. A construction of the character described, consisting of a box having a base portion, a flexible support mounted therein, comprising a single piece of wire bent to form substantially parallel base supports, having return bent ends integrally connected with cross pieces.

1,559,044. VALVE. GEORGE H. HARRIS, Utica, N. Y., assignor to Utica Valve & Fixture Company, Utica, N. Y., a Corporation of New York. Filed Apr. 12, 1922. Serial No. 551,845. 1 Claim. (Cl. 277—15.)

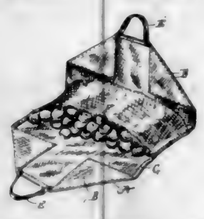


In a valve, a valve casing having a valve seat therein and a waste outlet, a valve having an externally threaded portion adapted to be turned so as to be moved toward and from its seat, an internally threaded sleeve held from rotatable movement and adapted to be moved longitudinally by the turning of said valve for controlling the discharge of waste water through the waste outlet, said sleeve having its opposite peripheral surfaces cut off straight to provide passages for the waste water to the outlet.

1,559,045. LIFTING JACK. ROBERT C. MCCOLLEY, Indianapolis, Ind. Filed Mar. 9, 1925. Serial No. 14,077. 2 Claims. (Cl. 254—100.)

2. The combination, with a lifting-jack having a base member and a head each with angular-cornered bearing portions connected by serrated edges, which head and base are separated by a screw projecting into the head, of a plurality of spacing rings surrounding the screw to regulate the projection of the screw into the head and means to prevent creeping comprising cooperating indents and detents in the bearing faces of said parts.

1,559,046. BUNDLE CARRIER. GEORGE R. MCLERAN, Hinsdale, Ill. Filed Oct. 16, 1924. Serial No. 743,885. 2 Claims. (Cl. 224—49.)



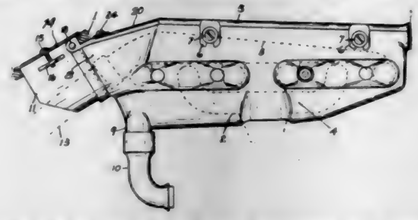
1. A bundle carrier comprising a body of flexible material provided at each end with a handle grip and provided across its center on the inside with a pocket flap secured at each end to the body and so arranged as to present its unsecured edges for contact with the proximate portions of the body when the ends of the body are flexed upwardly to bring the handle grips into close relation to one another, substantially as described.

1,559,047. AUTOMOBILE HEATER. LEWIS D. NELSON, Coldwater, Mich. Filed Nov. 17, 1923. Serial No. 675,343. 5 Claims. (Cl. 237—12.3.)

1. In a structure of the class described, the combination of a housing for the exhaust manifold of an internal combustion engine comprising a top wall and a side wall, the side wall being extended rearwardly beyond the top wall and provided with an inwardly projecting lug having a bolt opening therein, a register box adapted to be inserted in the footboard of a motor vehicle and having an opening in the bottom wall thereof adapted to fit over the exhaust pipe of an internal combustion engine, a conduit member having telescoping engagement

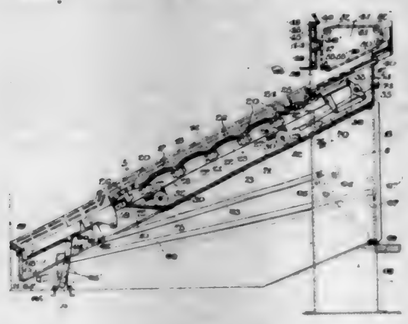


with the front end of said register box, connecting rivets for said conduit member and register box disposed at the top thereof permitting relative tilting adjustment of the parts, said conduit being adapted to overlap the



rear end of said side wall and complement said housing top and having a slot therein registering with said bolt hole in said lug, and a bolt disposed through said slot to engage said lug.

1,559,048. BOILER FURNACE. JAMES A. PACKARD, Milwaukee, Wis. Filed Apr. 22, 1921. Serial No. 463,441. 4 Claims. (Cl. 110—38.)

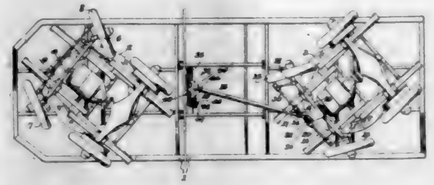


2. In a furnace, the combination of a plurality of grate sections disposed and movable on an incline and having air openings therein, a stationary air box forming a duct for blast air disposed beneath said sections and provided with an inclined bottom closure plate extending substantially the length of said sections and removable from the front of the furnace.

1,559,049. HOSE CLAMP. WILLIAM T. RUTLEDGE, Santa Ana, Calif. Filed Dec. 10, 1923. Serial No. 679,622. 3 Claims. (Cl. 24—19.)

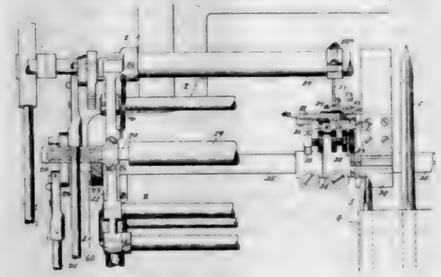
1. A hose clamp comprising a single length of ribbon bent into a ring, a portion adjacent one end of said ribbon being bent outward from the ring and bent back on itself to form a fold which is perforated, an extension beyond said fold to form a loop, a portion of the ribbon adjacent its other end bent outward and back on itself to form a perforated fold, an extension beyond the latter fold forming a tongue which bridges the gap between said folds, and fastening means passing through said perforations, one end of said means being secured within said loop.

1,559,050. STEERING MECHANISM FOR VEHICLES. OSCAR DANIEL SCHWARTZ, Hudson, N. Y., assignor, by mesne assignments, to Versare Corporation, a Corporation of New York. Filed May 24, 1924. Serial No. 715,642. 7 Claims. (Cl. 280—81.)



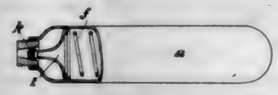
1. In a vehicle, a body, a truck having front and rear wheels on which the rear portion of the body is pivotally mounted, the front wheels of the truck being pivotally mounted on the truck to turn about two separate substantially vertical axes, a member operatively connected to the body and mounted so that a portion thereof has a lateral movement of translation relative to the truck when the forward portion of the body moves laterally, and connections from said portion of the member to the front wheels of the truck for turning those wheels about their separate axes when said portion of the member moves laterally.

1,559,051. PRINTING PRESS AND LIKE MACHINE. HERMAN J. SCHULTZ, Chicago, Ill. Filed July 5, 1919. Serial No. 308,843. 5 Claims. (Cl. 192—126.)



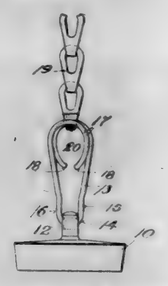
1. In a printing press having an automatic stopping device, the combination with a means for feeding the paper sheet to the press, of a pivoted vibrating element having contacting relation with the lateral edge of the paper sheet as it fed to the press, operative connections between the pivoted vibrating element and the stopping device whereby the press is automatically stopped when the lateral edge of the paper is out of position.

1,559,052. PRESSURE STORAGE VESSEL. GUSTAV SCHWORETZKY, Esslingen-on-the-Neckar, Wurttemberg, Germany. Filed Nov. 9, 1921. Serial No. 514,096. 2 Claims. (Cl. 220—3.)



1. The improved method of hermetically sealing storage vessels closed from the inside which consists in pressing a valve upon its seat from the inside by means of pressure generated by heat application, the pressure exerted being sufficient to effect an adhering contact between the valve and seat.

1,559,053. STOPPER LINK. JOHN A. SEXAUER, New York, N. Y. Filed Mar. 4, 1922. Serial No. 541,061. 2 Claims. (Cl. 24—237.)



1. In an anchor chain link for securing a stopper to an anchor chain, a stopper link having a U-shaped seat for holding said stopper and resilient sides terminating in parallel substantially equi-curved overlapping portions having inturned hook ends, said overlapping portions being tensioned to frictionally engage and hold a link of said anchor chain.

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1,559,054. METHOD OF MANUFACTURE OF PREPARED CHARCOAL. ARTHUR WESLEY SMITH, Baltimore, Md., assignor of one-half to William W. Varney, Baltimore, Md. Filed Mar. 10, 1920. Serial No. 364,613. 2 Claims. (Cl. 23—233.)

1. The process of manufacturing a decoloring, deodorizing, and absorptive material comprising, impregnating the structure of a vegetable fibrous substance with a compound of a metallic element, reducing the said structure to charred condition, and, reducing said compound of said metallic element to its elementary form within the structure of the said charred vegetable fibrous substance thereby rendering free said metal within said structure.

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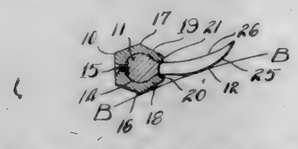
1,559,055. COMB. ROBERT C. SMITH, Cleveland, Ohio, assignor to The Cleveland Trust Company, a Corporation of Ohio. Filed Nov. 5, 1923. Serial No. 672,809. 3 Claims. (Cl. 132—14.)



1. In a device of the character described, the combination with a holder having a longitudinally extending undercut groove therein and having laterally extending exterior portion, a member complementary to the groove slidable therein, said member having teeth with a convex surface projecting therefrom, the base portion of the teeth lying within the groove, whereby the joint between the holder and the member is out of contact with the surface to be combed and whereby cutting edges at the base of the teeth are concealed.

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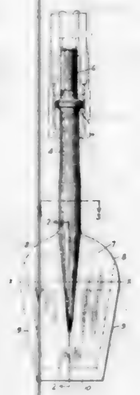
1,559,056. WORKING TOOL FOR PERCUSSIVE MACHINES. EDWARD W. STEVENS, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed June 14, 1923. Serial No. 645,311. 5 Claims. (Cl. 262—33.)

1. A working tool constructed and intended for use only with a percussive motor for cutting away and breaking up clay and other similar materials, comprising a shank arranged to receive the blows of the motor on one end and a blade at the other end of the shank, the latter forming a rib extending well down the front



of the blade, said blade having its greatest width at approximately one-third of its length from the shank end thereof and thence having straight sides tapering inwardly and terminating in a transverse front edge.

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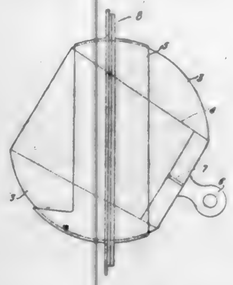
1,559,057. VENTILATION SYSTEM. ALEXANDER WILLIAM STEWART, Glasgow, Scotland. Filed May 25, 1923. Serial No. 641,405. 2 Claims. (Cl. 299—23.)



1. In a ventilation system, the combination of an air duct, an air box fitted to said duct and an outlet valve for said air-box discharging directly into the atmosphere, said valve comprising a ball socket and a valve proper in the form of a hollow spherical shell having cut away portions adjustable in said socket, said shell being adjustable in any position substantially within the range of a hemisphere without affecting the discharge through the valve.

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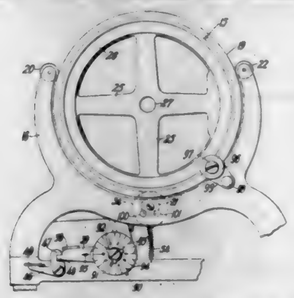
1,559,058. STENCILING MACHINE. LINDEN A. THATCHER, Belleville, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 30, 1923. Serial No. 648,650. 44 Claims. (Cl. 101—110.)

2. In a stenciling machine, a stencil-cylinder, a pressure-roll to co-operate with the bottom thereof, means, including a rock-shaft, for pressing said roll against the cylinder, a handle on said rock-shaft for operating the same, and means to adjust the handle around said shaft comprising a rotatable adjusting head limited to one



complete turn, and having a scale thereon to co-operate with an index on said handle to indicate the position of the handle relative to the shaft.

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1,559,059. LIFE PRESERVER. WILLIAM E. ABBOTT, Pasadena, Calif., assignor of one-fourth to Dennison F. Rease, Santa Cruz, Calif., and one-fourth to R. H. Caldwell and one-eighth to Logan Smith, both of Santa Cruz, Calif. Filed Aug. 22, 1923. Serial No. 658,694. Renewed Mar. 17, 1925. 2 Claims. (Cl. 9—17.)

1. In a life preserver, the combination of a pair of substantially similar buoyant flexible members adapted to be applied and to fit close to the wearer's trunk, said members being of horseshoe shape with the bends over the wearer's shoulders, a waist belt, and flexible means coacting with the ends of the members and serving to seal the same and constitute reinforcing anchorages between the members and the belt.

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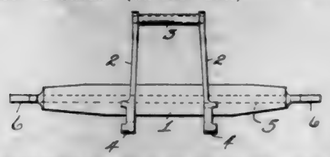
1,559,060. SCRAPER BLADE. GRANT E. ALLEMAN, Shoemakersville, Pa. Filed Mar. 28, 1923. Serial No. 628,395. 1 Claim. (Cl. 198—174.)

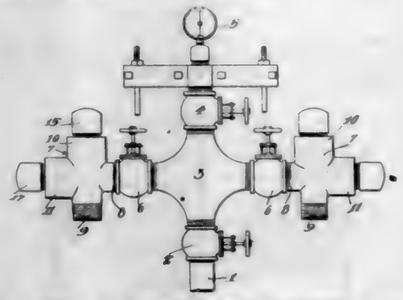


A scraper blade for conveyors including a body member with a chain engaging yoke issuing from one face and a blade issuing from the opposite face along the longitudinal center of the body whereby the marginal edges of the latter project beyond the sides of the blade, the terminals of said blade extending at right angles to the body and being in parallel relation to the yoke member.





1,559,061. WELL CHOKER. HUBERT E. ALLEN and PERTON F. MURRAY, Whittier, Calif., assignor to Allen & Courtney Oil Tool Company, Compton, Calif., a Copartnership. Filed Feb. 14, 1924. Serial No. 692,849. 9 Claims. (Cl. 166—15.)



1. A device of the class described comprising a cross member containing a bean in the outflow joint of the cross member, said bean being out of the inflow path of the fluid entering said cross member.

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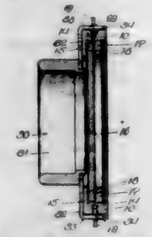
1,559,062. ADAPTER. FRITZ A. ANDERSON, Milton, Wis., assignor to Burdick Cabinet Company, a Corporation of Wisconsin. Filed Nov. 10, 1921. Serial No. 514,217. 8 Claims. (Cl. 174—177.)



2. An adapter having an exteriorly grooved ring for attachment to a lamp; a member mounted in the groove of the ring; resilient means yieldingly holding the ring eccentric to said member and permitting relative rotation therebetween and an applicator section detachably mounted on the ring.

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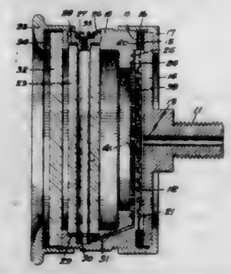
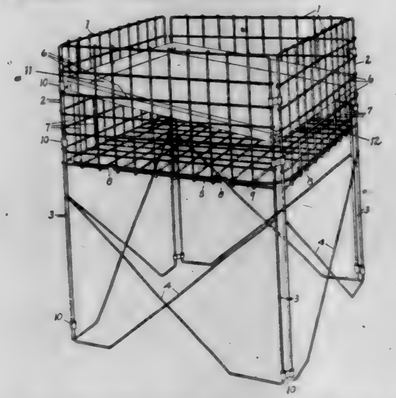
1,559,063. PRESSURE-RESPONSIVE DEVICE. JULIUS H. BECKER, San Francisco, Calif., assignor, by mesne assignments, of one-half to American Research and Development Company, a Corporation of Delaware. Filed Sept. 10, 1923. Serial No. 661,788. 6 Claims. (Cl. 73—110.)



1. A pressure responsive device comprising a casing having a pressure chamber therein, an indicating liquid chamber, a flexible impervious wall separating said

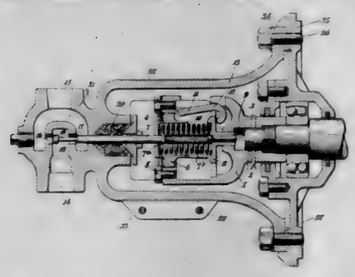
chambers whereby variations in pressure in the pressure chamber cause variations in capacity of the indicating liquid chamber and means for changing the capacity of the indicating liquid chamber to compensate for variations in volume of the liquid due to temperature changes.

1,559,064. DISPLAY RECEPTACLE. DEWEY H. BITNEY, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich. Filed May 23, 1925. Serial No. 32,345. 4 Claims. (Cl. 211—24.)



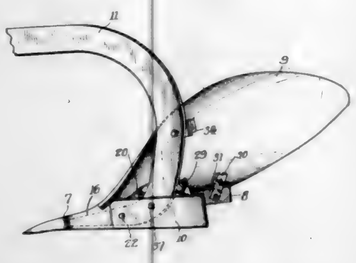
1. The combination with a wire receptacle having horizontal and vertical slats, of a bottom member adjustable within said receptacle, and a U-shaped bottom member support disposed through one side of the receptacle to rest on a horizontal slat and with its bight portion embracing the vertical slats between the arms and its hooks disposed facing downwardly and engaged with a horizontal slat on the opposite side of the receptacle.

1,559,065. GOVERNOR. ELI J. BLAKE, Buffalo, N. Y., assignor, by mesne assignments, to The Gould Coupler Company, a Corporation of Maryland. Filed Jan. 27, 1919. Serial No. 273,225. 1 Claim. (Cl. 137—140.)



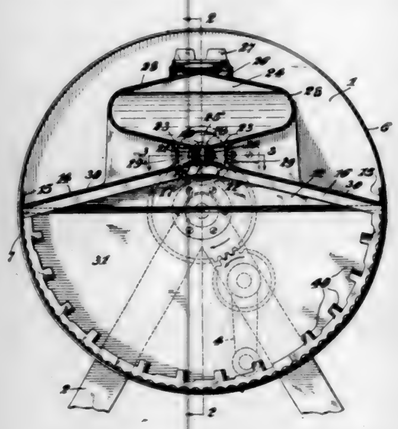
In a governor mechanism the combination of a rotating shaft, a stationary frame having bearings for said shaft, a frame secured on the end of said shaft, and rotating therewith, centrifugally operated members pivoted on said frame, a stationary housing secured to said first frame and surrounding said centrifugal members, said housing having a passage in line with said shaft, a valve member rotating coaxially with said shaft and flexibly connected with respect thereto and adapted to be moved axially of the shaft by said centrifugal members to regulate the flow of fluid through said passage, and a coiled spring coaxially arranged with said shaft and opposing the action of said centrifugal members.

1,559,066. PLOW. JOHN C. BOHMKER, Bradley, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Oct. 19, 1923. Serial No. 669,472. 6 Claims. (Cl. 27—124.)



1. A plow bottom comprising, in combination with a beam having a downwardly and forwardly extending toe portion, a point constructed to provide a socket adapted to receive said toe portion of the beam, a mold-board secured to the beam rearwardly of the point, a share blade rigidly but detachably secured to the point at the rear end thereof, and means for detachably securing the share blade to the mold-board so as to hold such parts in alinement, said means consisting of a rod having one end fastened to the share blade and a device for fastening the opposite end of the rod to the mold-board adapted to place the rod under tension.

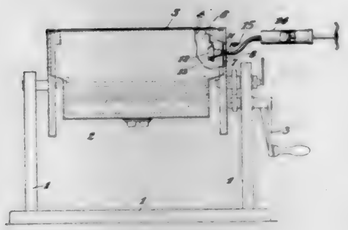
1,559,067. DUPLICATING MACHINE. ERNEST J. BRASSEUR, Chicago, Ill., assignor to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 31, 1925. Serial No. 5,944. 9 Claims. (Cl. 101—119.)



1. In a device of the character described, the combination with a rotatable stencil-duplicating drum, of an ink reservoir mounted in the drum, an inking pad carried on the drum for rotation therewith and vertically about the ink reservoir, said reservoir having an outlet and valve mechanism associated with said reservoir for opening and closing a passageway for ink to and from the reservoir, to permit and to prevent the dropping of ink from the reservoir upon the inking pad when the pad is beneath the reservoir.

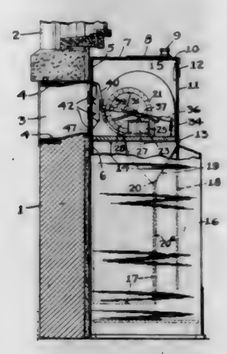


1,559,068. INKING MEANS FOR DUPLICATING MACHINES. ERNEST J. BRASSEUR, Chicago, Ill., assignor to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 31, 1925. Serial No. 5,945. 7 Claims. (Cl. 101—119.)



1. In a device of the character described, in combination, an inking pad, and means for establishing air pressure behind said pad.

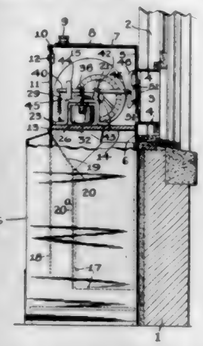
1,559,069. ELECTRICAL CONTROL FOR DAMPERS FOR UNIT VENTILATORS. MICHAEL J. CALLAHAN, New York, N. Y. Filed May 13, 1920. Serial No. 381,107. 11 Claims. (Cl. 268—10.)



1. In combination with a heating and ventilating unit having a chamber for the reception of air to be driven through the unit, a port for the admission of air to the chamber, a damper for controlling said port; and means for actuating said damper located in the said chamber, including a motor, a magnet in circuit therewith, and lever mechanism connecting the damper and magnet, whereby the admission of air to the chamber may be controlled.

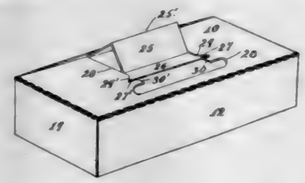
1,559,070. FLUID CONTROL FOR DAMPERS FOR UNIT VENTILATORS. MICHAEL J. CALLAHAN, New York, N. Y. Filed May 13, 1920. Serial No. 381,108. 7 Claims. (Cl. 98—27.)

1. In combination with a heating and ventilating unit having a blower chamber, and a port for admitting fresh air to the blower chamber; a damper for closing the said port; means for shifting the damper to and holding it in one position, including a lever of the first order, a plunger pivoted to the lever, and a spring pulling



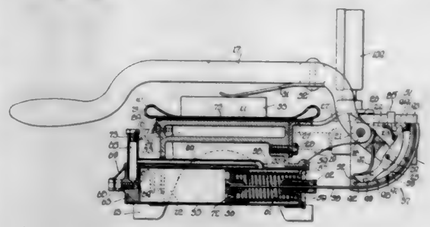
upon the end of the lever adjacent the plunger; and fluid controlled means, for shifting the damper to and holding it in another position, acting upon said plunger.

1,559,071. SLIDE-LOCK SUPPORT. WILLIAM F. CAVANAGH, Brooklyn, N. Y., assignor to Robert Gair Company, Brooklyn, N. Y., a Corporation of New York. Filed July 26, 1920. Serial No. 398,915. 6 Claims. (Cl. 206—44.)



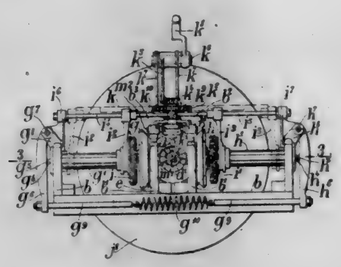
6. In a display box, an inner and an outer bottom panel, an easel for supporting the box in inclined position, cut from the outer bottom panel, but integral therewith at one end, transversely folded and the free end thereof being interlocked with the edge portions of the opening from which it was cut.

1,559,072. VULCANIZER. DAVID G. CHANDLER, Racine, Wis., and ROBERT T. SVENDSEN, Indianapolis, Ind. Filed Mar. 16, 1922. Serial No. 544,140. 32 Claims. (Cl. 18—18.)



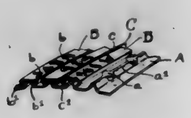
1. In combination, means for imparting a vulcanizing heat to the work, and means interposed between the work and said means for terminating the transfer of vulcanizing heat to the work upon the completion of the vulcanizing operation.

1,559,073. PROGRESSIVE CHANGE-SPEED GEAR. NICOLAS GHERASSIMOFF, Le Vesinet, France. Filed Sept. 5, 1923. Serial No. 661,081. 6 Claims. (Cl. 74—26.)



1. In a progressive change speed gear, a driving shaft, two auxiliary shafts arranged in alignment with each other, on either side of the driving shaft and at right angles to the same, a bevel wheel rigidly secured on each auxiliary shaft, two bevel wheels loosely mounted on the driving shaft and engaging with the preceding bevel wheels, means for rendering rigid with the driving shaft one or the other of the loose bevel wheels, two friction rollers, means for mounting each of the said rollers respectively on each of the said auxiliary shafts so that these rollers are driven in rotation by the said auxiliary shafts, but may be displaced in translation on the latter, a driven shaft arranged in alignment with the driving shaft, a friction plate mounted on the driven shaft for driving it in rotation and adapted for frictionally engaging with the two friction rollers, a control lever adapted to rotate on a fixed axis, a toothed wheel, means for transmitting the rotation of the lever to the said toothed wheel, two racks parallel to each other and to the auxiliary shafts, gearing with the said toothed wheel at diametrically opposed points, means for transmitting to the rollers the translation of the racks.

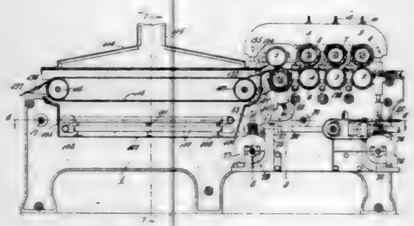
1,559,074. UNDERSCORING DEVICE FOR PRINTING FORMS. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 26, 1925. Serial No. 4,764. 10 Claims. (Cl. 101—368.)



1. The combination, with a holder having raised portions thereon and printing strips overlying such ports, of a rule mounted between the strips and resting on the holder between the raised portions thereof.

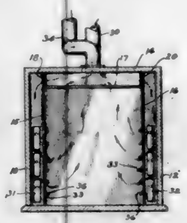
1,559,075. IRONING MACHINE. WILLIAM COLCLOUGH, Norwood, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 17, 1922. Serial No. 553,868. 2 Claims. (Cl. 68—9.)

1. An ironing machine structure, comprising a drying chamber, ironing rolls outside of said chamber, means for conveying the work after it has been ironed by said rolls through the drying chamber for the drying operation, heating means within said chamber below said



conveying means, and air discharge means having connection with said chamber from above said conveying means for discharging the moisture laden air therefrom.

1,559,076. OVEN. EDGAR F. COLLINS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 23, 1924. Serial No. 694,610. 5 Claims. (Cl. 34—19.)



4. The combination with an oven of oppositely disposed false side walls therein provided with apertures, electric heating means for the oven behind said false side walls, a false ceiling wall fitting between said false side walls and providing a space at each end for the passage of air, and baffles between said false ceiling wall and the top wall of the oven whereby the air is directed downward over said heating units through said apertures into the heating chamber and then upward past the ends of said false ceiling.

1,559,077. DRAWING OR ROLLING PROCESS. JEAN GUILLAUME DE LATTRE and HENRY HARDY, Paris, France, assignors, by direct and mesne assignments, to Bernard E. Pollak, New York, N. Y. Filed Mar. 29, 1923. Serial No. 628,934. 4 Claims. (Cl. 204—1.)

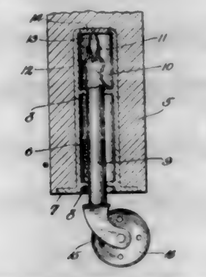
1. A process for forming a metallic lubricating coating upon articles to be subjected to drawing, rolling, or the like, comprising, electrolytically depositing upon the articles a layer of copper and mercury forming an amalgam.

1,559,078. CASTER. EDGAR B. EVERLY, Pacific Grove, Calif. Filed May 27, 1925. Serial No. 33,248. 2 Claims. (Cl. 16—38.)

1. In a caster construction, a tubular housing, an upper and lower bearing formed in the housing, a caster



shank extending through the bearings and having a head at its upper end, a resilient member having its

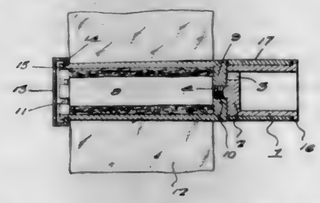


lower end resting on the upper bearing, adapted to grip the head of the shank, and a bearing supported in the resilient member.

1,559,079. ELLIPSOGRAPH. HECTOR FALLETTA, Los Angeles, Calif. Filed Jan. 26, 1924. Serial No. 688,680. 5 Claims. (Cl. 33—30.)

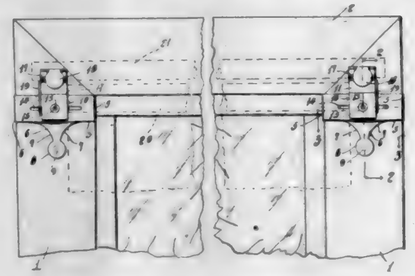
1. An instrument for drawing ellipses comprising a pair of dividers having legs in combination with a marker holder and a guide chain, a foot on each leg of said dividers, a fixing point and a focus pin on each of said feet, a swivel joint in said marker holder, a marker fixed in said marker holder below said swivel joint and adjustable means for attaching one end of said chain to said marker holder whereby the chain may be looped around said focus pins to serve as a guide for said marker in tracting ellipses of different forms and sizes.

1,559,080. ROTARY BUFFER. HENRY FIELDS, Buhl, Idaho. Filed May 31, 1924. Serial No. 717,124. 1 Claim. (Cl. 15—230.)



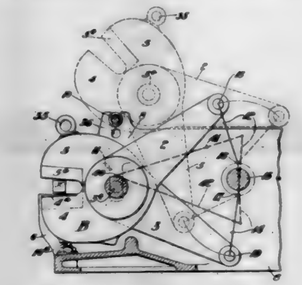
A rotary buffer comprising a driven hub portion having one end thereof closed, a threaded shank extending outwardly from the closed end thereof, a tubular member having an open outer end and having longitudinally extending circumferentially spaced slots provided therein extending from the outer end to a point adjacent the inner end thereof, cleaning elements supported in the radial slots, and means on the outer end of the tubular member for securing the cleaning elements against accidental displacement from said slots, said means comprising a cap provided with an inwardly extending annular flange, the outer end of said tubular member being provided with an annular recess to receive said flange.

1,559,081. ADJUSTABLE COMBINATION WINDOW-SHADE AND CURTAIN-POLE HOLDER. JOHN J. FISCHER, Arcadia, Ind., assignor of forty-nine one-hundredths to Noel Whisler, Arcadia, Ind. Filed Feb. 17, 1925. Serial No. 9,813. 2 Claims. (Cl. 156—24.)



1. A bracket of the character set forth comprising a plate provided at its ends with spring arms carrying prongs and intermediate its ends with a spring tongue carrying a friction block, said prongs and block constituting means adapted to secure the plate to a support and the spring arms and tongue constituting means adapted to hold said prongs and block in engagement with the support and supporting elements connected to the plate.

1,559,082. BILLET AND BAR SHEARS. AUGUST FRIEDERICI, Dusseldorf, Germany, assignor to MAX Friederici, Steubenville, Ohio. Filed Dec. 27, 1923. Serial No. 682,931. 14 Claims. (Cl. 164—41.)

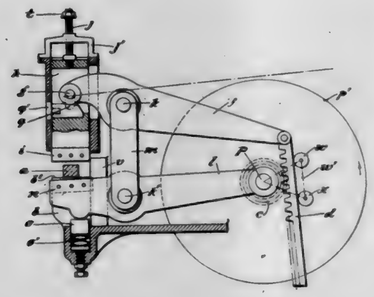


1. In a shear, opposed shearing members, a work support, and mechanical means for operating said members to first clamp the work between one of said members and said work support and thereafter move the other of said members to shear the work.

1,559,083. INGOT AND BAR SHEARS. AUGUST FRIEDERICI, Dusseldorf, Germany, assignor to MAX Friederici, Steubenville, Ohio. Filed Mar. 25, 1925. Serial No. 18,222. 3 Claims. (Cl. 164—47.)

1. In an upcut ingot and bar shear, a stationary work support, upper and lower shear levers, blades secured to the forward ends of said levers, said upper lever being pivotally connected to said upper blade, a link connecting each of said levers adjacent their forward ends, a power shaft, a pinion on said shaft, and a rack in mesh with said pinion and movable substantially vertically thereby, said lower shear lever being materially shorter than said upper shear lever and having its rear end pivotally connected to said power shaft, said lever having its rear end pivotally connected to

the upper end of said rack, whereby an upward movement of said rack will first rock said upper lever about its connection with said link so as to force its forward end downwardly until the upper blade engages the material to be sheared, and continued upward movement



of said rack will cause said upper lever to fulcrum at its pivotal connection with said upper blade and to lift said link connection and said lower lever so as to force said lower lever to shear the material being sheared.

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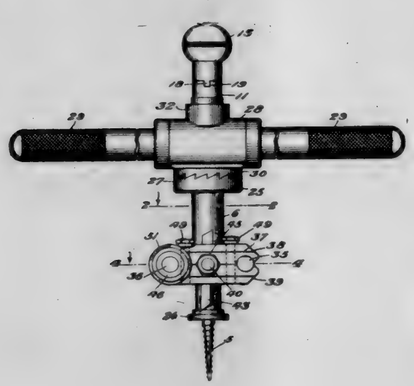
1,559,084. TOOL. TACITUS WILLIAM GAILLARD, Brooklyn, N. Y. Filed Mar. 14, 1924. Serial No. 699,347. 14 Claims. (Cl. 164—82.)



1. In a tool of the character described, the combination of a cutter head, a sleeve connected therewith, a spindle mounted in one sleeve, a handle connected with the spindle for moving the sleeve endwise in one direction relative to the spindle, and resilient means tending to force the sleeve toward the opposite direction.

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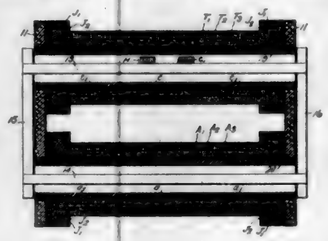
1,559,085. PERMEAMETER. SHANKAR L. GOKHALE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 13, 1923. Serial No. 680,526. 8 Claims. (Cl. 175—183.)

3. A permeameter comprising a substantially closed magnetic circuit, a portion of which comprises a removable sample of magnetic material to be tested, magnetizing and compensating coils enclosing said circuit for producing a substantially uniform magnetic flux



therein, a potential coil enclosing said sample and a pair of potential coils enclosed by said other coils situated in close proximity to but not enclosing said sample.

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1,559,086. ATHLETIC SHOE. DANIEL J. GOLDEN, Brockton, Mass. Filed May 22, 1924. Serial No. 715,093. 1 Claim. (Cl. 36—59.)

An athletic shoe having orifices extending through its outsole, internally threaded metal sockets inserted in said orifices and provided with annular flanges of greater diameter than the sockets and seated on a face of the sole around the sockets, rivets uniting the flanges in the sole and thereby securing the sockets in the sole, said rivets having heads projecting outward from the tread face and from the flanges, and cleats of moldable compressible material having enlarged concave base faces formed to extend throughout the area of the socket flanges and cover the projecting heads of the rivets and adapted to be indented by said heads, the cleats being provided with screw threaded shanks projecting from said concave faces, and engaged with the sockets, to press the base faces of the cleats into nonrotating engagement with the projecting heads of the rivets.

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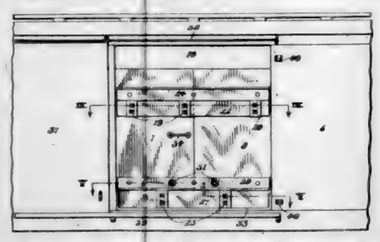
1,559,087. GRAIN-CAR DOOR. KAZIMIERZ GORNY, Buffalo, N. Y. Filed Apr. 30, 1924. Serial No. 710,041. 1 Claim. (Cl. 20—28.)



In a device of the type described, the combination with a freight car having a doorway frame, of a pair of inwardly opening doors hingedly connected to the frame and having their lower free corners similarly cutaway to jointly form a discharge opening, a series of outwardly extending T-shaped keepers fastened to the outer faces of the doors near their upper edges, a brace member having a series of slots to receive said keepers when the brace member is arranged transversely of the doors and resting upon the keepers, an additional outwardly extending T-shaped keeper carried by each door at the vertical edge of its cutaway portion, a second brace member having a pair of slots to receive the said additional keepers when the second brace member is arranged transversely of the lower edges of the doors with the intermediate portion of the same closing the discharge opening, and a permanent bracing strip secured to the floor portion of the doorway frame against which the lower edges of the doors are braced to withstand internal pressure.



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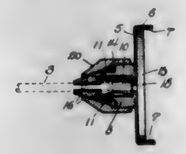
1,559,088. ADAPTER. WALTER ERNEST GUNNERSON, Milton, Wis., assignor to Burdick Cabinet Company, Milton, Wis., a Corporation of Wisconsin. Filed Mar. 30, 1923. Serial No. 628,726. 4 Claims. (Cl. 174—177.)



2. An adapter for attaching applicators to a therapeutic lamp and comprising, a hollow threaded hub, a pair of relatively movable clamping jaws, a spring for holding and biasing the jaws apart, said spring being formed so as not to obstruct the passage of light through the bore of the hub, and a hollow cap adapted to be threaded upon the hub and acting upon the jaws to force the same together against the tension of the spring.

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1,559,089. RULING DEVICE. JOHN HAGAN, New York, N. Y., and JOSEPH E. HAGAN, Akron, Ohio. Filed May 26, 1925. Serial No. 32,966. 2 Claims. (Cl. 33—41.)

1. In a device of the kind described, a pencil supporting head comprising a block of resilient material having a series of pencil lead receiving openings extending therethrough and having slots extending from one face through said openings, and a set screw extending from side to side of the block below said openings for drawing the sides of the openings together and thereby clamping pencil leads in position in said openings.

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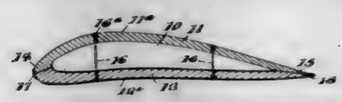
1,559,090. AIRPLANE. RANDOLPH F. HALL, Ithaca, N. Y., assignor of one-third to Theodore P. Hall, Wallingford, Conn., and of one-sixth to Paul Wilson, Ithaca, N. Y. Filed Nov. 3, 1923. Serial No. 672,548. 19 Claims. (Cl. 244—12.)



2. In combination with an aerofoil, a temporary structure thereon enclosing the aerofoil to form therewith a modified aerofoil having different characteristics.

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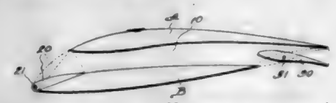
1,559,091. AIRPLANE. RANDOLPH F. HALL, Ithaca, N. Y., assignor of one-fourth to Theodore P. Hall, Wallingford, Conn., and of one-fourth to Paul Wilson, Ithaca, N. Y. Filed Nov. 15, 1924. Serial No. 750,104. 32 Claims. (Cl. 244—12.)



1. An airplane wing embodying superposed aerofoils spaced apart to form an air displacement passage therebetween, and means for opening and closing said passage.

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1,559,092. ADJUSTABLE LAMP SUPPORT. CLAUS W. HALLBERG, Marion, Ind. Filed May 2, 1924. Serial No. 710,691. 2 Claims. (Cl. 242—109.)

1. In a device of the character described, the combination of a hub, a pair of side members rigidly secured to said hub and held in spaced relation relatively to each other, a disc disposed between said sides and rotatably mounted on the hub, means secured to the outer end of the disc and forming a drum around which a flexible cord may be wound, a spring between said means and the hub, a ratchet wheel disposed between said disc and one of said side members and secured to the disc, a pawl for the ratchet pivotally secured to the said one side member, and means comprising a clamp for securing said device to a flexible element.

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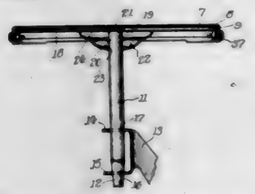
1,559,093. SCALE PAN. MARIUS H. HANSEN, Chicago, Ill. Filed Nov. 9, 1923. Serial No. 673,666. 2 Claims. (Cl. 287—20.)



1. In a scale pan having a supporting stem, an intermediate member between the stem and the pan to which member the stem is secured, means to secure the intermediate member to the scale pan, said member having

a hole therein, the stem having a reduced portion forming a shoulder abutting the member at the hole, the reduced portion passing through the hole and being upset to engage the member on the other side, a dished collar about said stem having contact with said member, and ears on said collar passing through slots in the member to the other side thereof where they are bent to attach the collar to the member.

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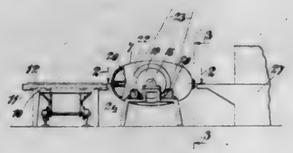
1,559,094. PROCESS AND MACHINE FOR FIRE-POLISHING GLASS. JOSEPH HASTREITER, Morgantown, W. Va. Filed Apr. 22, 1925. Serial No. 24,912. 2 Claims. (Cl. 49—14.)



1. In a glass working apparatus, the combination with a polishing table and a leer, of a drum intermediate the table and leer, said drum having two interior flat walls, closely spaced and enterable from one side, and means to rotate said drum to cause reversal thereof.

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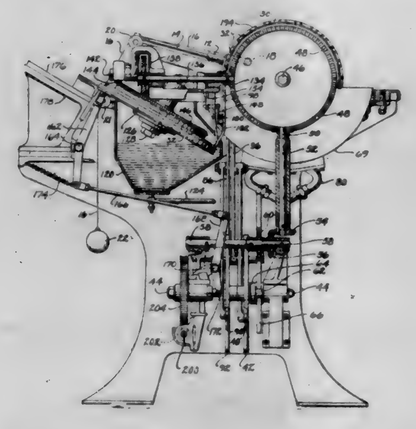
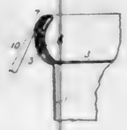
1,559,095. MACHINE FOR TEMPERING RAZOR BLADES. FERDINAND G. HENRY, North Philadelphia, Pa., assignor, by mesne assignments, to Walden Knife Company, Walden, N. Y., a Corporation of New York. Filed Feb. 2, 1921. Serial No. 441,730. 38 Claims. (Cl. 266—4.)



23. A machine for tempering blades, having in combination a blade guideway, blade heating means, a rotary current arranged to receive blades from said guideway and to carry the same into the range of action of said heating means, means for moving the blades through the guideway into the turret, a cooling bath, a chute through which the blades drop into said cooling bath, a guideway arranged to receive blades from said turret and leading to the chute, means for moving the blades from the turret through the guideway to the chute, and a second turret arranged to receive blades from said chute and to carry the same from the cooling bath.

1,559,096. SANITARY CAN AND SEAL. WILLIAM M. HALL, New York, N. Y.; Francis M. Hall administrator of said William M. Hall, deceased. Filed Jan. 10, 1924. Serial No. 685,413. Renewed Aug. 1, 1925. 2 Claims. (Cl. 220—78.)



1. A can, comprising a body having an annular exterior trough surrounding its upper end, and a lid having an annular exterior trough provided with a downwardly extending flange on its outer wall, the trough of the lid extending into the trough of the body with the outer wall of the trough of the body extending between the outer wall of the trough of the lid and its flange, the body and lid and their troughs being adapted to be pressed into engagement with the flange of the lid overlapping the outer wall of the trough of the body.

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1,559,097. COMBINED TOOL SHANK AND HANDLE THEREFOR. CLAUDE HILL, Moberly, Mo., assignor of one-half to Lyman P. McDonald, Moberly, Mo. Filed Jan. 22, 1924. Serial No. 687,812. 1 Claim. (Cl. 145—61.)

In a device of the class described the combination with a tool shank having an annular groove; of a hollow handle having an opening in one end for the insertion of a tool shank, a transverse partition provided with a tool receiving opening, a catch member pivoted intermediate its ends in said handle and adapted to engage the shank of the tool inserted through said transverse partition, a plate spring also pivoted to said handle and bearing against said plate to normally hold it engaged with the tool shank, and to permit the shank to rotate relatively thereto, and a lever connected to rotate said shank and to be folded flat against the handle when in inoperative position.

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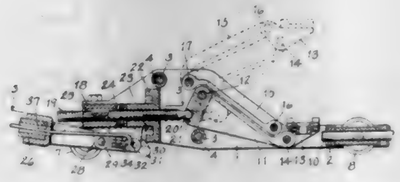
1,559,098. LIFTING JACK. ARTHUR C. HOPKINS, Niles, Mich., assignor to National Standard Company, Niles, Mich. Filed Nov. 6, 1924. Serial No. 748,104. 14 Claims. (Cl. 254—7.)

1. In a lifting jack, the combination of a frame comprising side members having parallel portions at their front and rear ends and intermediate forwardly diverging portions, said side members having laterally projecting arms at their rear ends, caster wheels mounted on said arms, a frame-like cross member disposed between the front parallel portions of said side members, an axle pivotally mounted on said cross member, the pivot for said axle being disposed centrally and longitudinally of the frame, wheels on said axle, a lifting lever pivotally mounted between the rear parallel portions of said frame side members to project forwardly and adapted to collapse between the same, a head member pivotally mounted on said lifting lever, a head supporting link pivotally





mounted between said side members and pivotally connected to said head member in parallel relation to said lifting lever whereby the head member is supported in upright position throughout the throw of the lifting lever, a screw support journaled between the rear ends of said side members for rocking movement, an actuating screw mounted on said support to engage said lifting lever below its pivot, a driving member disposed in front of said screw support and having a threaded engagement with said screw, and means for rotating said driving member in either direction.

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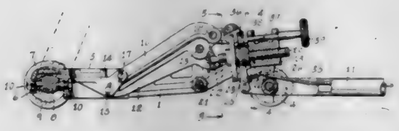
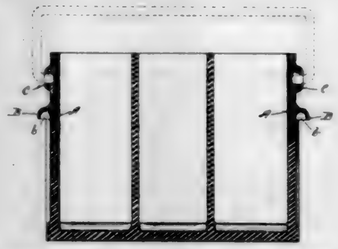
1,559,099. LIFTING JACK. ARTHUR C. HOPKINS, Niles, Mich., assignor to National Standard Company, Niles, Mich. Filed Mar. 18, 1925. Serial No. 16,356. 13 Claims. (Cl. 254—2.)



1. In a lifting jack, the combination of a frame, a lifting lever pivotally mounted on said frame, a screw support pivotally mounted on said frame, an actuating screw mounted on said support to coact with said lifting lever, a ratchet driving member having threaded engagement with said screw, said driving member being provided with a gear, an actuating lever pivotally mounted on said support, a pair of pawls mounted on said actuating lever to coact with said ratchet on opposite sides of its axis, a pawl control member rotatably mounted on the lever pivot and provided with oppositely disposed ears, pawls retracting rods having lost motion connections with said ears, pawl engaging springs arranged on said rods and adapted to be alternately placed under compression, a pinion mounted on said support to coact with said gear on said driving member and provided with a hand wheel to facilitate the rapid adjustment of the lifting lever to and from the work, and an adjusting rod for said control member disposed longitudinally of said actuating lever.

1,559,100. CONTAINER. LOUIS W. HOTTEL, Erie, Pa. Filed Apr. 4, 1924. Serial No. 704,192. 1 Claim. (Cl. 206—2.)



In a container, a depressed panel, a horizontal style ribbon above said depressed panel, a portion of said style projecting outwardly beyond the plane thereof, the depth of said depressed panel constituting a portion of said projecting portion of said style.

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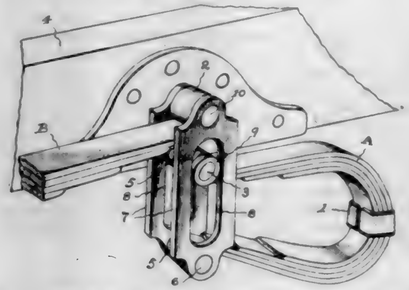
1,559,101. CUSHION-SPRING SHACKLE. CHARLES B. HOUSE, Klamath Falls, Oreg. Filed Jan. 31, 1923. Serial No. 615,094. 4 Claims. (Cl. 267—46.)



1. A vehicle spring shackle including a U-shaped spring element supported entirely at its end and with the bowed portion thereof free for vibratory movement, a pair of link members connected to one end of the spring element and provided with means for attachment to a vehicle spring, the other end of the U-shaped spring element projecting between the link elements, means thereon for slidably engaging the link elements to direct the spring element in its vibratory movements, and means for attaching the second mentioned end of the spring element to a support.

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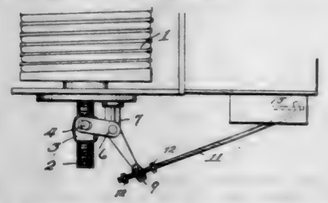
1,559,102. LIMIT STOP FOR ELECTRIC HOISTS. FRANK H. HOWARD, Reading, Pa., assignor to Reading Chain and Block Corporation, Reading, Pa., a Corporation of Pennsylvania. Filed Feb. 14, 1925. Serial No. 9,100. 2 Claims. (Cl. 187—35.)



2. In a limit stop for electric hoists, the combination of a hoisting drum, a controller, a controller rod connected thereto, a screw-threaded shaft for the drum, a

nut on said shaft, a crank arm mounted on the drum frame, one end of which is in engagement with said nut and the other with said controller rod, and adjustable means on the controller rod whereby the time of actuating the controller may be determined.

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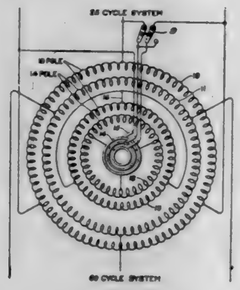
1,559,103. FREQUENCY CHANGER. JOHN I. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 9, 1924. Serial No. 691,794. 10 Claims. (Cl. 172—281.)




1. A frequency changer comprising a stator member provided with two alternating current windings arranged to be inductively noninterfering with respect to each other and having pole numbers of a difference equal to 4 or a multiple thereof, and a cooperating rotor member provided with a winding system having two alternating current circuits with pole numbers respectively equal to the pole numbers of the stator windings and arranged to be similarly noninterfering, one of said rotor circuits being closed in a manner to enable the same to function as the secondary of an induction machine and the other rotor circuit having a power connection with the stator winding of unlike pole number.

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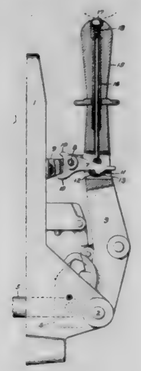
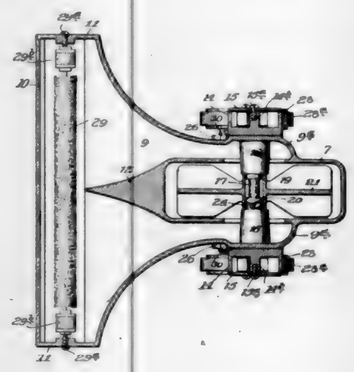
1,559,104. SWITCH-OPERATING MECHANISM. JENS M. JENSEN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 18, 1925. Serial No. 43,068. 5 Claims. (Cl. 74—39.)



1. Switch operating mechanism comprising a hand operated switch lever, means constructed to retain the lever in a predetermined position only when pressure is applied to said means, and means whereby the hand of the operator supplies the required pressure.

1,559,105. VACUUM CLEANER. JACK W. JOHNSON, Chicago, Ill., assignor to Radio Vacuum Cleaner Company, St. Charles, Ill., a Corporation of Illinois. Filed Nov. 26, 1923. Serial No. 676,995. 8 Claims. (Cl. 15—18.)



3. In a vacuum-cleaner, a fan-chamber having an exhaust-outlet, a horizontal axle in said chamber a fan carried by said axle to rotate in a vertical plane and having blades and means extending centrally between its blades to render it a duplicate fan, a suction-nozzle extending from said chamber and containing a partition forming separate passages in the nozzle at opposite sides of its center, and means for driving the fan.

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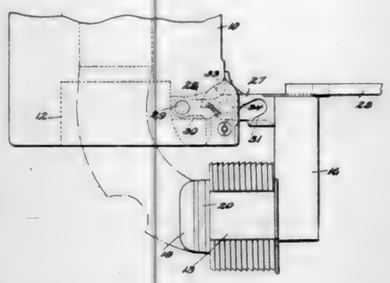
1,559,106. BREECH MECHANISM. CLAS J. JULSTEDT, Bethlehem, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed July 22, 1921. Serial No. 486,757. 25 Claims. (Cl. 89—20.)

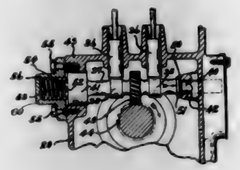


1. A breech mechanism comprising in combination, a breech block, a carrier therefor, and a link secured to said carrier and adapted to be secured to the tube of a gun and to extend transversely of the latter whereby the block may be given first an axial movement and thereafter an arcuate movement in opening the breech recess.

13. In a breech loading gun, in combination, a tube having a radial slot therein, a breech block, a carrier for the breech block, a link pivotally supported in said slot, a pin pivotally connecting the link and carrier, a plate pivotally supported on said pin and normally extending across the mouth of said slot to exclude dust therefrom.



1,559,107. ENGINE. LESTER S. KEILHOLTZ, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Sept. 26, 1923, Serial No. 664,945. Renewed July 23, 1925. 8 Claims. (Cl. 123—90.)



3. Valve operating mechanism for internal combustion engines comprising, in combination, a crank shaft having a gear, a valve cam shaft having a gear meshing with the gear of the crank shaft, and a stationary friction member bearing against an end of the valve cam shaft, thereby maintaining the working faces of the gears in engagement.

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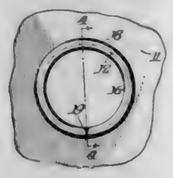
1,559,108. STRINGED MUSICAL INSTRUMENT. WALTER I. KIRK, Chicago, Ill. Filed Oct. 22, 1921. Serial No. 509,603. 1 Claim. (Cl. 84—291.)



In a stringed instrument, a resonant body of wood having a circular opening in one wall thereof, an annular strip having an external groove adapted to receive the edge of said opening, and portions of the strip extending above and below the material of said wall adjacent the opening, and said strip being transversely split to permit of its insertion into said opening.

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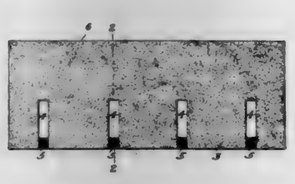
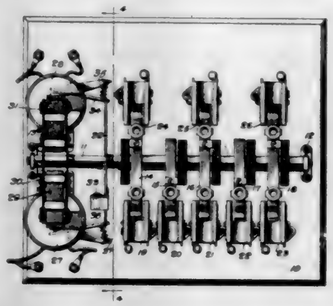
1,559,109. ROOFING ELEMENT. LESTER KIRSCHBRAUN, Evanston, Ill., assignor to Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 31, 1920. Serial No. 434,389. 3 Claims. (Cl. 108—8.)



1. A shingle strip having a felted fibrous base coated with an adhesive material, a granular surfacing applied thereto, slots extending transversely across said strip near one end, and terminating short of that end to present an unbroken closed lower edge when the shingle is laid, the connecting unbroken portions thus provided being of a different color than the major color of the strip.

1,559,110. MOTOR CONTROLLER. GEORGE LEDDICK, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 25, 1921. Serial No. 464,094. 5 Claims. (Cl. 200—98.)



1. The combination in a motor controller of a switch having a neutral position between two operative positions, an electromagnet for throwing the switch to and magnetically holding the same in the first operative position, a second electromagnet for throwing the switch to and magnetically holding the same in the second operative position, biasing means for returning the switch from each operative position to the neutral position upon the deenergization of the corresponding electromagnet, and latching mechanism comprising a pair of cooperating latches controlled by said electromagnets for stopping and holding the switch in the neutral position.

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1,559,111. TOY FURNITURE. FREDRICK J. LEES, Saginaw, Mich. Filed June 21, 1923. Serial No. 646,809. 1 Claim. (Cl. 46—37.)

A pair of flat sides each formed with a horizontal slit communicating with an opening narrower than said slit, said sides also formed with bayonet slots in their upper ends, a seat member formed with an ear at each side near its front end, a narrow neck adapted to fit the horizontal slit of said flat side when inserted in said narrow opening, the rear edge of said seat formed with a pair of slots, a back member having slots interlocking with the slots of said seat, the upper part of said back member slotted and adapted to interlock in the bayonet slots of said side members.

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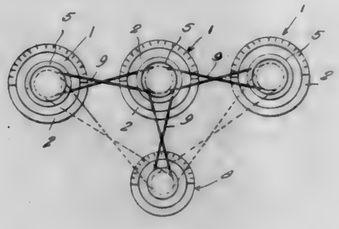
1,559,112. UNIT CONTROL FOR RADIO RECEIVING SETS. MANUEL L. LUJÁN, Los Angeles, Calif. Filed Oct. 8, 1924. Serial No. 742,418. 1 Claim. (Cl. 74—7.)

An operating device for unit controlled mechanism of radio receiving sets, wherein a plurality of instruments are provided with rotatable shafts arranged in spaced parallel relation and operable for effecting the adjustment of the receiving capacity of said radio set; comprising an annular disk formed with a central cylindrical projection extending axially therefrom, the end of

said projection being formed with an annular flange to provide an operating knob, said cylindrical projection having a plurality of annular grooves formed therein, said disk and cylindrical projection having a socket extending axially therein from one end portion, for receiv-



ing the rotatable shaft of one of said istruments, and means mounted in the cylindrical projection for engaging the shaft in said socket and locking the device on said shaft, whereby belts mounted in the grooves on the devices applied to a plurality of instruments serve to transmit the motion of one device to the other.

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1,559,113. MANUFACTURE OF TITANIUM SULFATE. HERBERT N. MCCOY, Chicago, Ill., assignor to Lindsay Light Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1924. Serial No. 720,132. 4 Claims. (Cl. 23—117.)

1. The method of forming soluble titanic sulfate consisting in reacting upon basic titanium sulfate with fuming sulfuric acid.

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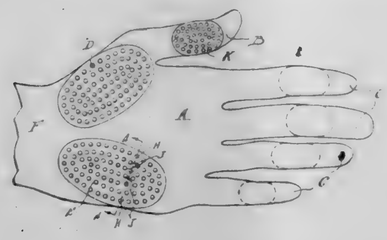
1,559,114. RUBBER GLOVE. CLARENCE H. MARANVILLE, Akron, Ohio. Filed Sept. 15, 1923. Serial No. 662,938. 1 Claim. (Cl. 15—227.)



A glove comprising an all rubber body having finger and thumb portions, such portions having thickened walls in zones, said thickened zone portions having projections extending from the surface thereof and the thickened portions being integral elastic portions of the glove body.

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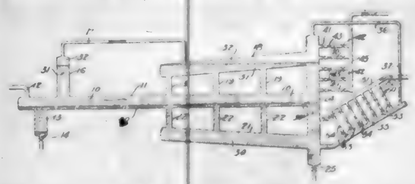
1,559,115. THROTTLED OUTLET SEPARATOR. WILLIAM M. MARKER and WILLIAM B. ALLEN, Ventura, Calif. Filed July 5, 1922. Serial No. 572,924. 5 Claims. (Cl. 183—27.)

1. In a separator of the class described, the combination of: a substantially horizontal pipe into which the mixture is fed; a gas dome at the forward end of said pipe; a second pipe coextensive with the rearward end of said first pipe; a gas pressure equalizing pipe extending between said gas dome and said second pipe; and tubular means extending between said pipes at suitable intervals whereby communication is established between



said first pipe and said second pipe so as to form a stratification chamber of increased volume but having physical strength equal to that of the first pipe.

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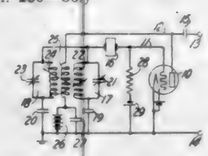
1,559,116. WAVE GENERATING AND MODULATING SYSTEM. WARREN ALVIN MARRISON, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1924. Serial No. 743,915. 14 Claims. (Cl. 250—36.)



1. An oscillation generator comprising means for generating a plurality of different frequency oscillations and a piezo-electric device traversed by said oscillations and vibrating at a plurality of natural frequencies corresponding to the frequency of said oscillations.

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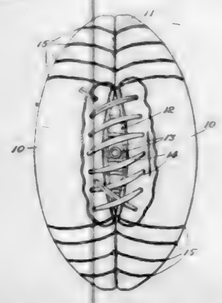
1,559,117. FOOTBALL. JOHN E. MAYNARD, Plymouth, N. H., assignor to The Draper-Maynard Company, Plymouth, N. H., a Corporation of New Hampshire. Filed Oct. 11, 1923. Serial No. 667,984. 1 Claim. (Cl. 273—65.)



A football of generally ellipsoidal form comprising a plurality of longitudinal sections sewed together at their edges to form longitudinal seams, one of said seams having a central opening for the reception of an inflatable bladder, and a series of spaced circumferential lines of stitching disposed transversely to said seams at the opposite ends of said ball, said series extending from the ends of said central opening to points adjacent the extreme opposite ends of said ball.

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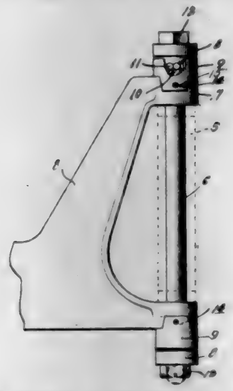
1,559,118. BALL-BEARING CONSTRUCTION. WILLIAM B. MESSINK, Carrollton, Ky. Filed July 6, 1923. Serial No. 649,850. 1 Claim. (Cl. 308—189.)

A ball bearing attachment for use with axles having enlargements at their ends, said attachment including a



cup-shaped body portion having a ball race formed therein, depending fingers formed integral with the body portion and adapted to rest on opposite sides of the enlarge-



ments, and securing screws adapted to pass through the fingers and engage the enlargements to restrict movement of the body portion.

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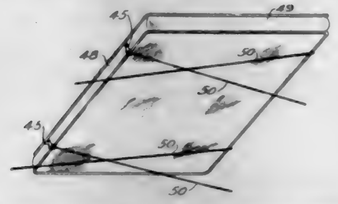
1,559,119. MATTRESS RETAINER. ELIZABETH N. MILLER, Los Angeles, Calif., assignor of one-half to Benjamin F. Schmidt, Los Angeles, Calif. Filed Apr. 3, 1922. Serial No. 548,944. 1 Claim. (Cl. 5—322.)



In combination: a bed structure; a mattress supported by said bed structure; straps connected at one end to one side edge of said mattress and at their other end to the opposite side of said bed structure, and other straps connected at one end to the other side edge of said mattress and at their other end to the other side of said bed structure, whereby either side edge of the mattress may be raised above said bed structure.

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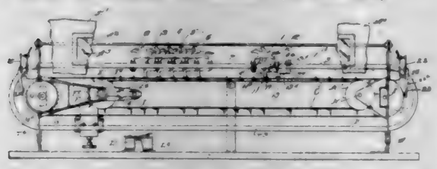
1,559,120. TOY RACE COURSE. FRED L. MILLS, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 12, 1924. Serial No. 706,056. 37 Claims. (Cl. 273—86.)



1. In a device of the character set forth, a series of tracks, racers mounted thereon, a permutation device adapted to actuate said racers, and separate movable means for positioning said racers within the range of action of said permutation device.

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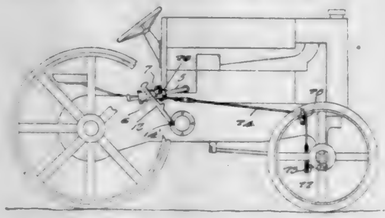
1,559,121. TRACTOR ANTIBUCKING ATTACHMENT. JOHN H. MOORE, Tiptop, Va. Filed May 9, 1925. Serial No. 29,103. 1 Claim. (Cl. 74—86.)



In combination, a pedal, a bracket on the pedal, a dog pivoted to the bracket and provided with an engaging finger and a lug and a notch, a spring on the bracket engaged with the notch, a plate having a pair of spaced stops with teeth disposed therebetween so that when the pedal is raised the finger engages the upper stop and the spring normally holds the pawl so that said finger will engage the teeth and when the pedal is depressed the lug will engage the lower stop and swing the pawl so that said spring will hold the finger out of engagement with the teeth until it again strikes the upper stop.

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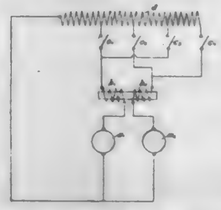
1,559,122. METHOD OF CONNECTING ALTERNATING-CURRENT COMMUTATOR MOTORS. PAUL MÜLLER, Charlottenburg, Germany, assignor to General Electric Company, a Corporation of New York. Filed May 19, 1922. Serial No. 562,234. 2 Claims. (Cl. 172—274.)



1. A motor drive consisting of a plurality of alternating current commutator motors, a transformer having a plurality of taps in its secondary, switches for connecting said motors in parallel to said transformer secondary and for changing the connections to different taps and a reactor having separate windings in each motor circuit between the motors and said switches.

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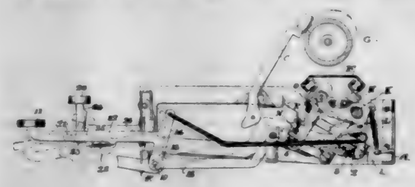
1,559,123. TYPEWRITING MACHINE. LEWIS C. MYERS, Freeport, N. Y., assignor to Royal Typewriter Company Inc., New York, N. Y., a Corporation of New York. Filed Feb. 12, 1925. Serial No. 8,791. 11 Claims. (Cl. 197—73.)



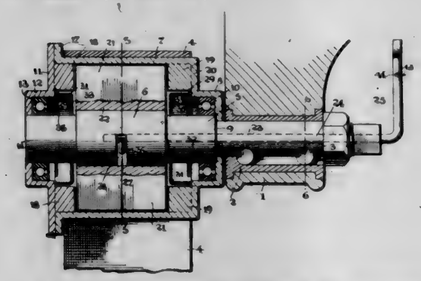
1. In a typewriting machine, case shift mechanism comprising a shift frame having a depending arm, a shift key lever having engagement at its rear end with

the lower end of said arm to lock the frame in normal position, an dsaid lever also having a projection and a link connecting said projection with said arm intermediate its ends to move said frame.

1,559,124. WINDOW-SHADE AND CURTAIN-ROD BRACKET. CASS P. NEWTON, Des Moines, Iowa. Filed June 16, 1924. Serial No. 720,864. 1 Claim. (Cl. 156—24.)

A bracket for window shades and curtain rods formed complete of a single piece of sheet metal and comprising a base portion formed with screw openings and a part extended substantially at right angles thereto for receiving a window shade and a curtain rod, and having formed therein nearest the base member a suitable opening to receive a window shade and at its outer end being formed with a substantially V-shaped notch, the material at the inner edge of the V-shaped notch being formed with an integral tongue normally projecting across the V-shaped notch and capable of being bent or twisted to overlap a curtain rod to prevent its upward movement, said tongue being of sufficiently heavy material to normally retain its position and prevent upward movement of the curtain rod without any additional fastening devices.

1,559,125. GOVERNOR. ORR TILTON NICHOL, St. Edwards, Nebr. Filed Apr. 13, 1923. Serial No. 631,953. 7 Claims. (Cl. 264—13.)

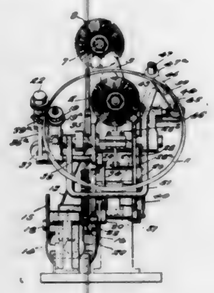


2. A governor for tractors comprising in combination, a hollow pulley, fan blades radially connected with the pulley, drag vanes radially disposed within the pulley, a shaft upon which said pulley is mounted for rotation, a sleeve provided with blades mounted on the shaft, with the blades adapted for slight rotation between the drag vanes, said shaft being provided with a longitudinal bore, a rod loosely mounted within the bore, a pin connecting the sleeve with the rod, said shaft being provided with a slot in which the pin is adapted to oscillate, said pulley being adapted to be partially filled with fluid.

1,559,126. PROCESS FOR THE MANUFACTURE OF COLLOIDAL SUBSTANCES IN THE FORM OF SMALL BALLS OR GRAINS. ALBERT OBERSOHN, Berlin-Charlottenburg, WILHELM WACHTEL, Berlin, DANIEL SAKOM, Wiesbaden, and PAUL ASKENASY, Karlsruhe, Germany. Original application filed Mar. 13, 1924, Serial No. 699,127. Divided and this application filed Jan. 7, 1925. Serial No. 1,086. 2 Claims. (Cl. 83—91.)

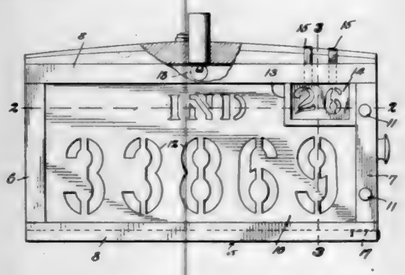
1. The process of preparing glue globules which consists in preparing a hot concentrated solution of glue, forming said solution into drops by spraying the same under pressure, and passing said drops into and through a gaseous cooling agent under pressure to retard the rate of passage of said drops through said agent.

1,559,127. BEAD-CORE-BUFFING MACHINE. JOSEPH E. PERRAULT and MALCOLM S. CATE, Watertown, Mass., assignors to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Nov. 10, 1924. Serial No. 748,896. 16 Claims. (Cl. 15—21.)



8. Apparatus of the class described, comprising a rotatable buffing element, means for supporting a bead ring in encircling position relative thereto, but out of contact therewith, said means including means for progressively feeding said bead past the buffing element and means for deflecting said ring into contact with said buffing element.

1,559,128. LICENSE-PLATE CARRIER. FOSTER B. PETTIT and GERRY H. KNOWLTON, Logansport, Ind. Filed June 25, 1925. Serial No. 39,562. 3 Claims. (Cl. 40.)

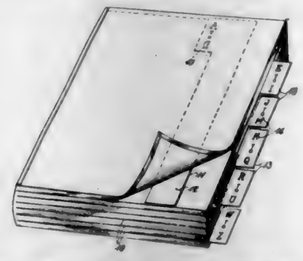



1. In a device of the character described, a box-like body portion, the front and rear of the body portion being open, said body portion having grooves to receive a license plate, means extending through one of the grooves to lock a license plate within the grooves, and an inner section having a rear wall adapted to normally close the open rear surface of the body portion.

1,559,129. INDEX BOOK AND METHOD OF PRODUCING THE SAME. ARTHUR WATSON PIMM, London, England, assignor of one-half to Joseph Husband, Winnetka, Ill. Filed June 15, 1925. Serial No. 37,385. 2 Claims. (Cl. 281—38.)

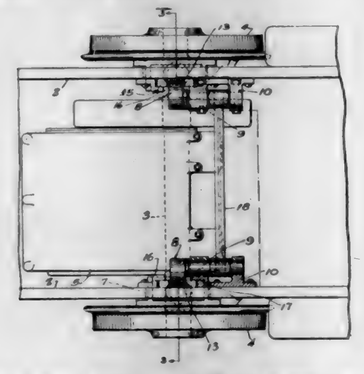
1. A method of producing an indexed volume which comprises the binding of the volume, providing the same with a set of index leaves having portions adapted to project beyond the edges of the finished volume, such portions bearing index characters, folding the index leaves to bring the index portion thereof between the





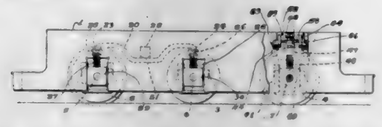
remaining leaves of the volume, trimming the edge of the remaining leaves whereby the unfolding of the index leaves will cause the index bearing portions thereof to project beyond said trimmed edges.

1,559,130. LOCOMOTIVE EQUALIZER. WILLIAM W. SLOANE, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 8, 1923. Serial No. 679,297. 3 Claims. (Cl. 105—82.)



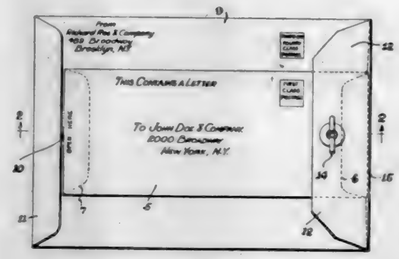
1. In a car, a frame, an axle having supporting wheels, journal boxes adjacent the ends of said axle, guide means on said frame permitting limited vertical movement of said journal boxes, an equalizing device comprising a pair of rocking members each pivotally mounted on said frame at opposite ends of said axle, and means operably connecting said rocking members below their respective axes.

1,559,131. LOCOMOTIVE. WILLIAM W. SLOANE, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 24, 1924. Serial No. 757,876. 1 Claim. (Cl. 105—82.)



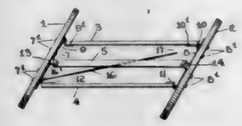
In a locomotive, a frame, three laterally spaced axles having supporting wheels, a transverse equalizing device comprising a pair of rocking members, each pivotally mounted on opposite sides of the frame and affording vertically movable support for one end of one of said axles, horizontally movable means connecting said rocking members together, and a longitudinal equalizing device comprising a pair of bar members adapted for longitudinal movement about a fulcrum support on either side of said frame, each bar member affording a vertically movable support for the respective ends of the other two axles.

1,559,132. DUPLEX ENVELOPE. HENRY TRENCHARD, Brooklyn, N. Y. Filed Nov. 14, 1923. Serial No. 674,598. 4 Claims. (Cl. 229—72.)



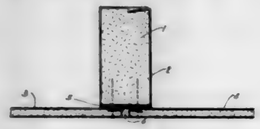

1. A duplex envelope of the character described comprising a larger and a smaller envelope, the smaller envelope having an end flap folded within the open end of the larger envelope and secured to the inner face of the body thereof, the two envelopes being unattached throughout substantially their whole area, the closure flap at the open end of the larger envelope being foldable over the face of the smaller envelope and attachable thereto.

1,559,133. FOLDING REEL. HAROLD B. TUNIS and MATTHEW P. GREENE, Passaic, N. J. Filed July 14, 1925. Serial No. 43,500. 5 Claims. (Cl. 242—115.)



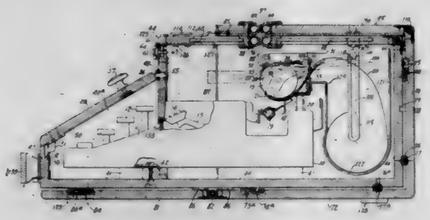
1. In a device of the character described, the combination of two heads, a pair of slats secured to the heads, hinges connecting the slats and the heads and adapted to permit the heads to fold in parallel relation and slats intermediate the said hinged slats and adapted to fold therewith.

1,559,134. WALL CONSTRUCTION. CLARENCE W. UTEMAN, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 26, 1923. Serial No. 676,903. 6 Claims. (Cl. 72—16.)



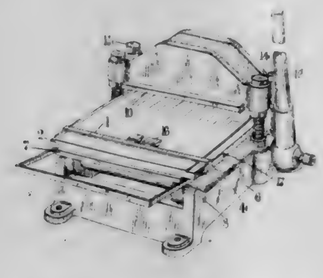
1. A fire resisting wall comprising a backing of gypsum lumber, an adhesive thereon and wall sections secured to the lumber contacting with the adhesive and bonded thereby to the lumber.

1,559,135. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 19, 1921. Serial No. 508,698. 46 Claims. (Cl. 197—186.)



1. A case for a typewriting machine, said case convertible into two closed forms, one form to enclose the machine completely for carrying purposes, and the other form to permit access to the keyboard and provide closed carriage-accommodating extensions when used for sound-deadening purposes; said case comprising a body in which the machine is secured, and members shiftable relatively to the body to convert the case from one closed form to the other closed form, said shiftable members including means for closing in the keyboard and also including means adjustable for affording end room for the travel of the carriage.

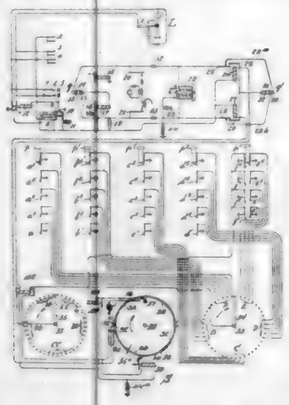
1,559,136. ALIGNMENT BAR AND TYPE PROTECTOR FOR USE IN EMBOSSING MACHINES. GEORGE STANLEY WALPOLE, London, England. Filed Jan. 31, 1924. Serial No. 689,773. 7 Claims. (Cl. 101—3.)



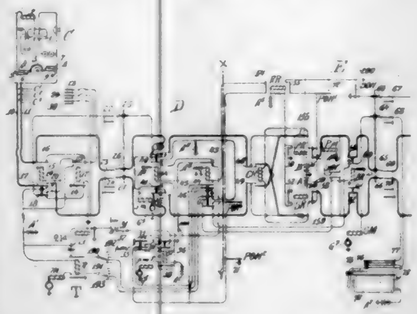
1. An alignment bar for use on embossing machines of the kind described, comprising a metal bar, adapted normally to rest on the platen, and to be removably secured in the correct position thereon by means of lateral members, which serve as abutments for positioning the card when the latter is inserted between the platen and the bar.

1,559,137. TELEPHONE-EXCHANGE SYSTEM. HARRY G. WEBSTER, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company, a Corporation of Illinois. Filed June 10, 1907, Serial No. 378,184. Renewed Oct. 15, 1918. Serial No. 258,288. 84 Claims. (Cl. 179—27.)

1. A telephone system including subscribers' lines, operator controlled selective switches for interconnecting said lines, an operator's impulse transmitter including an electromagnetically adjusted traveling contact member serving to transmit current impulses to operate said switches, and a second electromagnetically adjusted traveling member for said impulse transmitter for controlling the number of impulses transmitted by said first member.



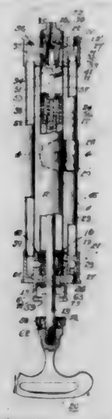
1,559,138. AUTOMATIC TELEPHONE SYSTEM. HARRY G. WEBSTER, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company, a Corporation of Illinois. Filed July 26, 1907. Serial No. 385,674. 66 Claims. (Cl. 179—17.)



1. An automatic telephone system including a subscriber's line extending by its limbs to the exchange, a pair of serially connected sources of electrical energy at the exchange, a connection from one pole of each source to one limb of said line, a relay for each said connection having its winding in circuit with a line limb, and the respective connection, a third or return conductor connected at the junction point of said sources, switching mechanism at the substation of said line including a connection to said third or return conductor, means for closing the metallic circuit of said line at the substation whereby said relays are energized over said metallic circuit, circuit changing members for said switching mechanism, an actuating device for said members included in said mechanism for operating said members to connect one of the line limbs to said third conductor, whereby the relay of said limb is maintained operated, and thereafter opening the circuit of the other line limb whereby the second relay is de-energized link-circuits, and a selective switch responsive to said relays jointly serving to connect an indifferent idle link-circuit with said telephone line.

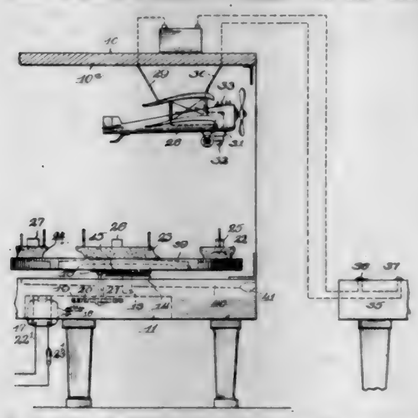


1,559,139. PUMPING MECHANISM. PETER L. WILBUR, Tuckahoe, N. Y. Filed Dec. 16, 1921. Serial No. 522,780. 12 Claims. (Cl. 299—97.)



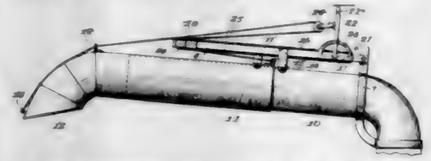
1. In pumping mechanism, a cylinder having a discharge nozzle; a piston reciprocable in said cylinder; valve controlled inlet ports to the cylinder at opposite sides of the piston; outlet ports connected to the nozzle and communicating with the cylinder at opposite sides of the piston; a valve to control the opening and closing of said outlet ports, said piston being arranged to seat said valve to close one of the ports and to close the other port when the piston is in its innermost position to shut off the interior of the pumping mechanism from the atmosphere through the discharge nozzle.

1,559,140. GAME OF SKILL. GUSTAV WOLKENHAUER, Chicago, Ill., assignor to Riverview Park Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 2, 1925. Serial No. 12,474. 5 Claims. (Cl. 273—101.)



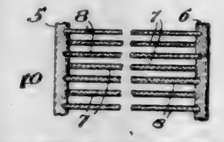
5. A game apparatus comprising a rotative platform, a plurality of miniature vessels arranged at angularly spaced distances in a circle about the rotative center of said platform, the several vessels being provided with stacks of different diameter, a stage on which said platform is mounted, an electric motor for rotating said platform, speed reducing means connecting said motor with said platform, a miniature aeroplane provided with a downwardly directed gun located above said platform with the gun in vertical alignment with one point in the circular path of the stacks of said vessels, an electromagnet associated with said gun, a ball adapted to be retained in said gun by said electromagnet, conductors providing an electric circuit in which said electromagnet is included, a table spaced from said stage, said conductors leading to said table, and switches located on said table and included in said circuit to make and break the same.

1,559,141. OPERATOR FOR BLOWER-PIPE CAPS. LOUIS ADELMEYER, Lomira, Wis. Filed Mar. 14, 1922. Serial No. 543,764. 3 Claims. (Cl. 302—10.)



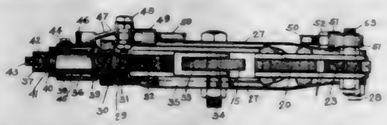
1. The combination with a blower pipe of a threshing machine having a longitudinal section and a longitudinally movable section, a swinging hood carried at the end of the latter, and a bracket carrying means for moving said latter section, of a sheave carrying bracket secured to the outer end of said bracket, a segment having laterally projecting teeth secured adjacent the inner end of said bracket, a lever pivoted to said segment and having a tooth engaging with the teeth thereof, a sheave swingingly carried at an intermediate point on said lever, and a flexible member secured at its outer end to said hood, then passing inwardly over the sheave on said lever, then outwardly over the first mentioned sheave and then inwardly where it is secured adjacent the inner end of the longitudinally movable section whereby said longitudinally movable section can be moved without changing the adjustment of said hood.

1,559,142. PNEUMATIC-TIRE CONSTRUCTION. BURLEE AMES, Lowell, Mass. Filed Sept. 22, 1920. Serial No. 411,949. Renewed Apr. 18, 1925. 14 Claims. (Cl. 139—384.)



9. A cord tire fabric of ladder-like construction comprising a pair of solid bead cords each consisting of interbraided strands, and a series of strands connecting said cords, certain of said strands comprising interbraided filamentous elements.

1,559,143. AUTOMATIC SLACK ADJUSTER. CHARLES OSCAR ANDERSON, Omaha, Nebr., assignor to Anderson Brake Adjuster Company, Omaha, Nebr., a Corporation of Nebraska. Filed Sept. 17, 1923. Serial No. 663,185. 6 Claims. (Cl. 188—202.)



2. Automatic slack-adjusting means for brake-mechanism having a brake-beam and equalizer-beam adjacent to and relatively movable from and toward each other to apply and release the brakes, comprising a brake-lever fulcrumed upon the equalizer-beam, a screw-threaded member connected with the brake-beam and extending therefrom at the side opposite the equalizer-beam, a threaded adjusting-sleeve engaging said screw-threaded

member, a clevis having a head in which said adjusting-sleeve is held revolubly, said clevis having arms straddling the brake-beam and equalizer-beam and pivotally connected with the brake-lever, a clutch-sleeve mounted coaxially with the adjusting-sleeve and frictionally engaged therewith, a lever fulcrumed on the clevis-head and having an arm connected with the clutch-sleeve, and a rod pivotally connected at one end with said lever and at the other end connected loosely with the brake-lever fulcrum-pin, whereby said rod and lever are actuated to rotate the clutch-sleeve during the brake-applying and releasing movements when the relative motion of the brake-beam and equalizer-beam is greater than normal.

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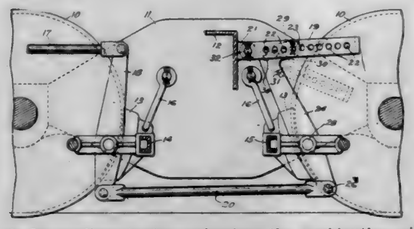
1,559,144. ADJUSTING MEANS FOR RAILWAY BRAKES. CHARLES O. ANDERSON, Omaha, Nebr. Filed Dec. 12, 1924. Serial No. 755,493. 4 Claims. (Cl. 188—197.)



2. In a railway-brake mechanism, the combination with a truck-bolster, a dead-lever-guide pivoted at one end to said bolster and having a series of fulcrum-pin holes spaced longitudinally thereof, a suspended brake-beam subject to variation in its vertical relation to said bolster, a dead-lever pivoted on said brake-beam and arranged to extend at an incline when one end thereof is adjacent to the pivoted end of said guide, and a fulcrum-pin for connecting said dead-lever and guide; of a head on said end of the lever adjoining the guide, said head having a plurality of fulcrum-pin holes spaced apart laterally of the lever and adapted to register severally with holes in the guide for receiving the fulcrum-pin to connect the lever and guide, whereby the guide may be maintained in adjusted relation to the bolster when the brake-beam varies in vertical relation to the bolster.

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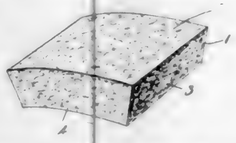
1,559,145. CINEMATOGRAPHY. JARVIS M. ANDREWS, Wollaston, Mass., assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass., a Corporation of Maine. Filed Nov. 19, 1921. Serial No. 516,357. 31 Claims. (Cl. 95—89.)

1. The art of forming relief cinematographic films which comprises conditioning a film for the etching process and then flowing etching liquid along the surface of the film.

1,559,146. METHOD OF MAKING ARTIFICIALLY-INTEGRATED SHAPED BODIES AND THE PRODUCT OF SAID METHOD. PHILIP A. ANDREWS, Waukegan, Ill., assignor to Johns-Manville, Inc., New York, N. Y., a Corporation of New York. Filed May 7, 1924. Serial No. 711,631. 14 Claims. (Cl. 18—47.5.)



1. The method of making artificially integrated shaped bodies of pressure-resistant and friction-resistant material comprising as steps, mixing in a dry state a fibrous heat-resistant material a comminuted cementitious material capable of reaching a solidified state on reaction with a reagent and a quantity of said reagent insufficient to cause a complete reaction, compacting these materials under pressure, with partial solidification of the cementitious material, into a sufficiently cohesive molded shape, and causing the cementitious material to be reacted upon thereafter to reach a solidified state while maintaining the said molded shape.

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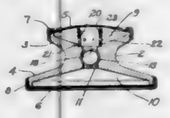
1,559,147. STETHOSCOPE. PETER A. AURNESS, Minneapolis, Minn. Filed Sept. 18, 1922. Serial No. 588,993. 5 Claims. (Cl. 181—24.)



1. A stethoscope comprising a shell having a large diaphragm thereon and a portion having a socket therein to receive an ear tube, a small sleeve mounted on the socket portion in said shell and forming a support between the middle portion of the large diaphragm and said socket portion.

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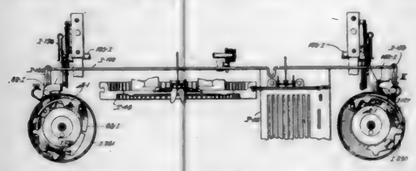
1,559,148. RIBBON WINDING AND REVERSING MECHANISM. FREDERICK W. BERNAU, Hillside, N. J., assignor to Ellis Adding-Typewriter Company, Newark, N. J., a Corporation of New Jersey. Filed Jan. 19, 1924. Serial No. 687,394. 10 Claims. (Cl. 197—165.)



1. In a ribbon winding and reversing mechanism, the combination with a rotating device for turning a ribbon spool or reel, of means for turning said rotating device with a step-by-step movement, a shiftably mounted controlling member, and an automatic throwout member movably mounted on, and carried by, said controlling member and adapted to move bodily with, or to shift in relation to, said controlling member, said throwout member being adapted for operation by means carried by the ribbon to shift it and being cooperatively related to the aforesaid means for turning the rotating device so that when the aforesaid throwout member is moved by the action of the means carried by the ribbon, it will shift the means for turning the rotating device, and a ribbon cup adapted to be engaged by the means for turning the rotating device when the latter is thus shifted by the throwout member, said ribbon cup serving as a fulcrum, whereby the action of the ribbon will then cause the controlling member and the throwout member to be shifted to effect a cooperation of the turning means aforesaid with the said rotating device.



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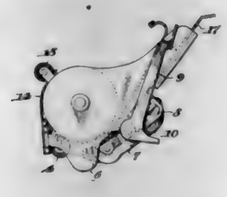
1,559,149. DUPLEX PAPER TABLE. FREDERICK W. BERNAU, Detroit, Mich., assignor to Ellis Adding-Typewriter Company, Newark, N. J., a Corporation of New Jersey. Filed Jan. 12, 1925. Serial No. 1,894. 1 Claim. (Cl. 197—128.)



The combination with a cylindrical platen, and with the usual main paper table or deck which has an inclined part and a curved or trough-like part extending forwardly underneath the platen and to the front side thereof, of a supplemental or additional paper table or deck of substantially the same length as the main table or deck supported above the main paper table or deck by end spacers disposed between the decks, said supplemental paper table being of appreciably less height than the usual main table or deck, said upper, supplemental deck comprising an inclined part and a trough-like part, respectively, disposed wholly above the inclined and trough-like parts of the main table in spaced, but close, relationship thereto throughout their extent, and between them and the platen, the trough-like part of the supplemental paper table extending to the front side of the platen, and paper rolls for holding the paper against the platen the spaced relationship of the upper and lower tables providing an unobstructed chute therebetween, down which the paper may be fed by gravity to said rolls, the upper part of the main paper table being exposed above the upper edge of the supplemental table, whereby introduction of papers between the tables is facilitated.

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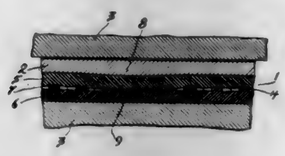
1,559,150. MEANS FOR THE TREATMENT OF PRINTING PLATES. EDWIN A. BORDEN, Oak Park, Ill. Filed Sept. 13, 1923. Serial No. 662,422. 10 Claims. (Cl. 101—401.3.)



1. An article of manufacture for the treatment of printing plates consisting of a sheet of permanently resilient material having a displacement space providing pattern therein of a depth less than the thickness of the sheet, said sheet being adapted when placed under pressure on the back of a printing plate for conforming the printing face of the plate and to return to normal shape when the pressure is released, said pattern localizing displacement of the solid portion of the sheet.

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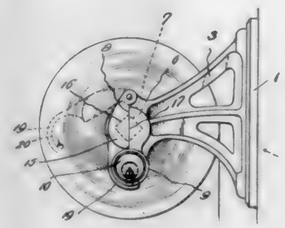
1,559,151. ROLL HOLDER. LOUIS F. BRASCH, Newark, N. J. Filed July 25, 1924. Serial No. 728,165. 2 Claims. (Cl. 211—31.)



1. A device of the class described comprising a plate member, a pair of supporting arms extending from one side thereof in parallel spaced relation, each of said arms being formed with sockets, and a roll carrying member removably mounted in the sockets of said arm having a shaft formed with a plurality of radially extending tubular projections arranged in spaced pairs, each pair of projections being formed with aligned slots, a plurality of blades mounted in the respective aligned slots of each pair of projections, and adapted for relative radial movement to said shaft, securing pins mounted in said tubular projections and extending through slots formed in the blade for limiting the radial movement of said blades in the projections, and coil springs interposed between the inner edges of the blades in the bottom of the tubular projection, for normally projecting the blades outwardly from the shaft for engagement with the inner periphery of the roll.

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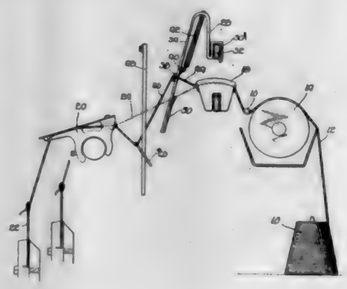
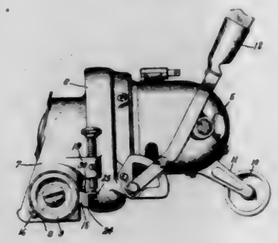
1,559,152. SAFETY THREAD CONTROL. ROBERT BREUER, Milwaukee, Wis., assignor to The Phoenix Hosiery Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 27, 1921. Serial No. 525,082. 4 Claims. (Cl. 66—12.)



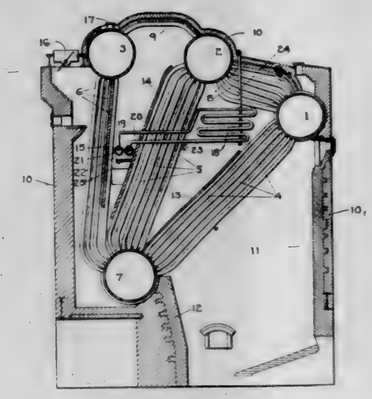
4. A tension operated thread cutter comprising, in combination, a cutting element and thread guide mounted to permit relative movement between the thread and the cutting element, resilient means tending to produce separation of the cutting element and thread, and conveying means utilizing thread tension to overcome the action of said resilient means and keep the thread and said element in proximity until the thread is cut by the element.

1,549,153. VACUUM CLEANER. OTTO BRINTZENHOFF, Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc., a Corporation of New York. Filed Aug. 7, 1922. Serial No. 579,977. 2 Claims. (Cl. 15—16.)



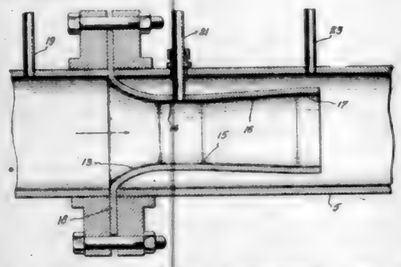
1. The combination with a vacuum cleaner having a suction nozzle with front, rear and end walls, of means for supporting the nozzle in adjustable spaced relation to a surface over which said nozzle is operated, said means being located exteriorly of the nozzle and comprising a frame member having a transverse portion which extends along and closely adjacent the rear wall of the nozzle and end portions which extend forwardly along and closely adjacent the end walls of the nozzle, said frame being pivoted at its ends to the end walls of the nozzle adjacent the front edges of said walls, a traction wheel at each end of the nozzle rotatably mounted on the frame end portions in coaxial relation to each other, a lug integral with and projecting rearwardly of the nozzle above the frame, and an adjusting bolt carried by said lug and pivotally connected to the frame.

1,559,154. BOILER WITH SUPERHEATER. BENJAMIN BROIDO, New York, N. Y., assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 6, 1922. Serial No. 534,478. 5 Claims. (Cl. 122—478.)



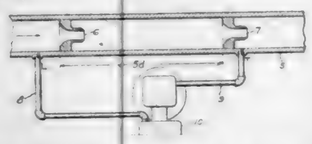
1. In apparatus of the class described, the combination of a boiler having a front, a middle, and a rear upper drum and a lower drum and three banks of water tubes connecting the three upper drums to the lower drum; superheater elements in the space between the front and the middle banks of tubes; and superheater headers in the space between the middle and rear banks; the elements being connected to the headers by portions extending between rows of tubes in the middle bank.

1,559,155. MULTIRANGE FLOW NOZZLE. CHARLES F. BULLOCK, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 17, 1924. Serial No. 744,276. 7 Claims. (Cl. 73—167.)



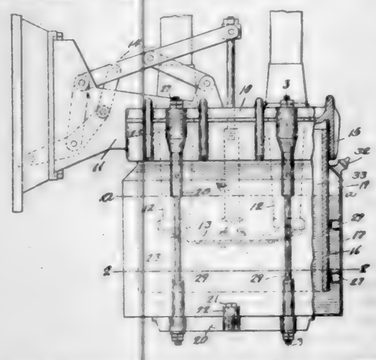
6. A flow tube comprising a converging section followed by successive straight and flaring sections, said straight sections having lengths equal to at least substantially one-fourth of their own diameters, and said flaring sections diverging from the straight section in advance of it at an angle not greater than five degrees.

1,559,156. ORIFICE-TYPE PRESSURE-DIFFERENCE-CREATING DEVICE FOR FLOW METERS. CHARLES F. BULLOCK, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 8, 1924. Serial No. 748,780. 3 Claims. (Cl. 73—167.)



1. The combination with a pipe of a pressure difference creating device therein comprising a plurality of individual pressure difference creating devices of the orifice type spaced approximately five pipe diameters apart.

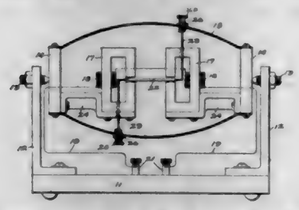
1,559,157. ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed Jan. 29, 1920. Serial No. 354,020. 3 Claims. (Cl. 200—150.)



1. An oil receptacle for electric switches comprising a unitary structure having outer and inner walls peripherally spaced from each other arranged to form a closed top outer chamber and an open top inner chamber in communication below the oil level in the receptacle and means removably to secure the receptacle yieldingly to an electric switch.

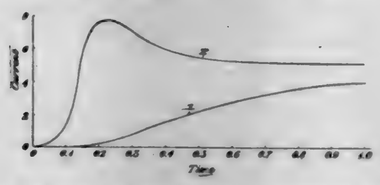


1,559,158. SOUND-EMITTING DEVICE. JOHN HENRY BUTCHER, Rugby, and ARTHUR PRIMROSE YOUNG, Kenilworth, England, assignors to General Electric Company, a Corporation of New York. Filed Dec. 11, 1923. Serial No. 679,974. 7 Claims. (Cl. 179—115.)



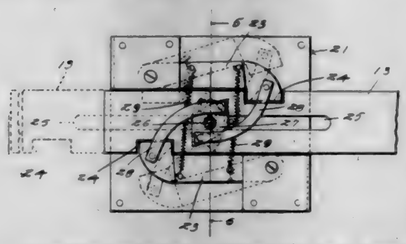
1. The combination in a sound emitting device of a hollow casing which serves as a diaphragm and an actuating mechanism enclosed in said casing and attached to opposite sides thereof.

1,559,159. TELEGRAPH SIGNALING SYSTEM. JOHN R. CARSON, Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 7, 1920. Serial No. 394,510. 9 Claims. (Cl. 178—63.)



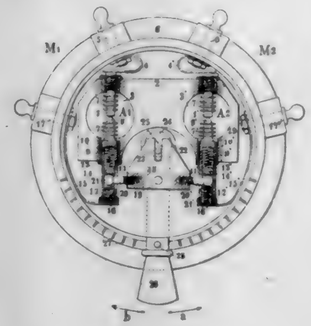
1. The method of signaling over a transmission circuit characterized by great distortion, which consists in superimposing a sinusoidal voltage upon a direct current voltage, and impressing the resultant voltage upon the said transmission circuit at the instant when the sinusoidal voltage is of the predetermined phase to produce at the receiving end of the said circuit an arrival wave having a relatively steep front.

1,559,160. LOCK MECHANISM. LOUIS E. CARTER, St. Joseph, Mo., assignor of one-fourth to Fred W. Cornell, St. Joseph, Mo. Filed May 24, 1923. Serial No. 641,161. 8 Claims. (Cl. 70—46.)



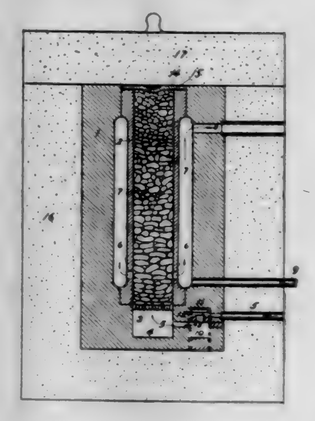
1. In locking mechanism, a sliding bolt, dogs disposed upon opposite sides of the bolt and adapted to engage the same and hold it in locking position, a spindle adapted to be operated by hand or key, and a link connection between said spindle and the dogs.

1,559,161. RESTORER OF NORMAL IGNITION FOR DUAL IGNITION APPARATUS OF INTERNAL-COMBUSTION ENGINES. JULES COURTIER, Paris, France. Filed July 31, 1923. Serial No. 654,879½. 8 Claims. (Cl. 123—148.)



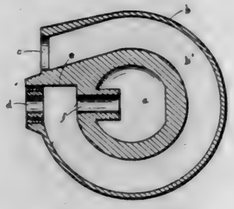
8. An auxiliary apparatus for internal combustion engines having dual ignition comprising two pairs of conducting members inserted one in the first and the other in the second high tension circuit, a control member to operate the said conducting member, means by which the said control member operates the said conducting members for closing simultaneously the two high tension ignition circuits or for inserting in one of the two circuits spark gaps in series in a regulable manner.

1,559,162. STOVE FOR BOILING PURPOSES. GUSTAF DALÉN, Skarsatra, Stockholm, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Filed Mar. 6, 1924. Serial No. 697,411. 8 Claims. (Cl. 126—1.)



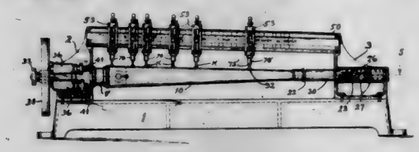
1. In a boiling stove, a heat accumulator in the form of a metal block, a fuel receiver, a fire place in communication with the receiver and with said block, means for admitting combustion air to the fire place, an annular chamber provided between the receiver and the block for receiving products of combustion from the fire place, and means for exhausting the products of combustion from the chamber.

1,559,163. OIL BURNER. GEORGE CARLETON GEROW, Ottawa, Ontario, Canada, assignor of eight-twentieths to William Joseph Press, one-twentieth to William C. Arnold, one-twentieth to James Lewis Kemp, and two-twentieths to Edith Press, all of Ottawa, Canada. Filed Jan. 16, 1925. Serial No. 2,808. 2 Claims. (Cl. 158—28.)



1. An oil burner comprising a combustion bowl, a jacket surrounding the bowl and forming therewith an enclosed annular chamber, a baffle extending from the combustion bowl to the jacket, an oil inlet through the jacket at one side of the partition and in juxtaposition thereto, an inlet through the wall of the combustion bowl in line with the oil inlet and an air inlet through the wall of the jacket at the other side of said partition and in juxtaposition thereto, whereby the air entering through the air inlet is compelled to circulate around the bowl to a locus between the oil inlet into the annular chamber and the inlet from the annular chamber into the interior of the combustion bowl and is carburetted before passing from the annular chamber into the interior of the combustion bowl.

1,559,164. KNOB-POSITIONING MACHINE FOR MUSICAL INSTRUMENTS. EDWARD J. GULICK, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a Corporation of Indiana. Filed Nov. 11, 1922, Serial No. 600,238. Renewed Apr. 9, 1925. 27 Claims. (Cl. 113—99.)

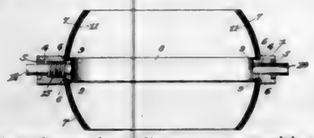


1. In a machine of the character described, the combination with a support for a tapering instrument body to be provided with projections, positioning devices for retaining said projections at predetermined points on said body, and a common support for said positioning devices, said common support being inclined with respect to the axis of the instrument body and the support of the body.

1,559,165. ARTICLE OF JEWELRY. FLORENCE I. HAMMOND, Chicago, Ill. Filed Aug. 11, 1923. Serial No. 656,859. 4 Claims. (Cl. 63—3.)

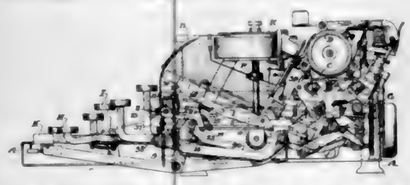
2. An article of jewelry comprising a band adapted to embrace a portion of the body of the wearer, said band having a polygonal plate mounted thereon, a plurality of eyes punched out of the stock of said plate, said eyes projecting outwardly from and substantially perpendicular to the plate, and a plurality of pendants freely linked to said eyes and capable of having motion in all directions, but limited by each other and by said polygonal plate.

1,559,166. VARIABLE TRANSFORMER. ROBERT J. HEITZMAN, Union Hill, N. J. Filed June 28, 1922. Serial No. 571,450. 5 Claims. (Cl. 171—119.)



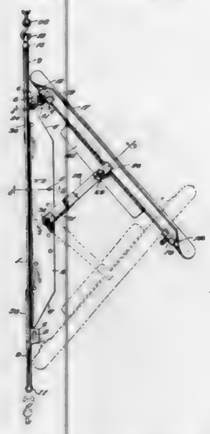
1. A transformer for radio systems comprising a stator including a supporting ring having annular shoulders on its opposite faces and coil sections each having the contour of a segmental spherical shell with its initial turns only engaging the shoulder on the corresponding ring face, and all of its turns rigidly united by an adhesive binding medium; and a rotor including a similar ring and coil sections; and means for pivotally connecting the stator within the rotor.

1,559,167. TYPEWRITING MACHINE. EDWARD B. HESS, New York, LEWIS C. MYERS, Freeport, and GEORGE F. HANDLEY, Glendale, N. Y., assignors to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 11, 1924. Serial No. 755,181. 30 Claims. (Cl. 197—22.)



1. In a typewriting machine, a type action comprising a type bar, a key lever, a pivoted horizontal front link, a connection between the free end of the front link and the type bar, and a sliding connection between the key lever and the upper edge of the front link intermediate its ends.

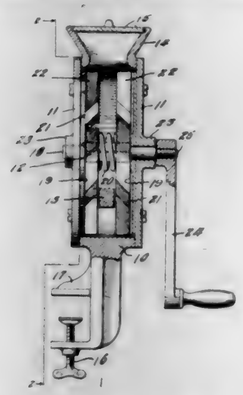
1,559,168. GRADER. GROVER C. HILL and JAMES H. TAYLOR, Owensboro, Ky. Filed June 17, 1924. Serial No. 720,578. 7 Claims. (Cl. 37—173.)



1. In a grader, the combination of a blade, a landside, a vertically extending rib upon the rear side of the blade at the end thereof, a bracket secured upon the landside, and a coupling yoke connected to the bracket by a vertical pivot and to the said rib by a horizontal pivot.

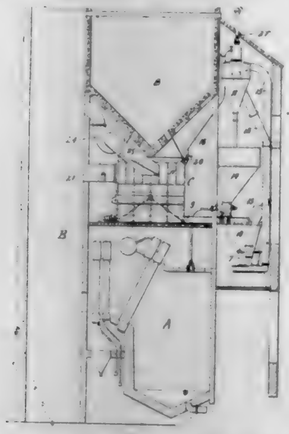


1,559,169. EGGSHELL CRUSHER AND PULVERIZER. EDWARD W. HIRSCHMAN, Findlay, Ohio. Filed July 3, 1924. Serial No. 724,099. 6 Claims. (Cl. 83—8.)



1. An egg-shell crusher and pulverizer including a crushing chamber, crushing means therein including a pair of revolving hammers and a stationary break-down bar between which the shell is adapted to be broken up into flakes during revolution of the hammers, a pulverizing member for each hammer presenting a corrugated surface over which the blades of the hammers are adapted to move, the corrugations of the member serving to catch and hold the flakes of the shell propelled there against by the blades of the revolving hammer and the said blades being inclined to strike the grooves at an angle to obtain a shearing cut, and elastic means tending to force the said hammers against the said corrugated surfaces of the said pulverizing members.

1,559,170. PULVERIZING APPARATUS. GEORGE P. JACKSON, Flushing, N. Y., assignor to Combustion Engineering Corporation, New York, N. Y., a Corporation of New York. Filed May 19, 1923. Serial No. 640,030. 8 Claims. (Cl. 83—11.)



1. The combination with a substantially closed pulverizing and air separating system, a screen composed of material to be pulverized, and means for venting the system through such screen.

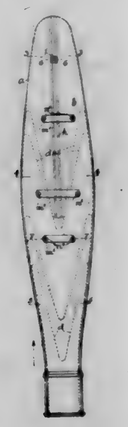
1,559,171. GAME. EDWARD G. KNOWLES, New York, N. Y. Filed Apr. 14, 1923. Serial No. 631,961. 13 Claims. (Cl. 273—102.)

1. In a shooting game, the combination with a box having a lid, of scenic members and members representing animate objects, said members being mounted on said box and said scenic members having certain dimensions greater than certain dimensions of said box whereby they are adapted, when said lid is opened, to be expanded beyond the confines of the box, said objects being exposed so as to be struck by a projectile from the front of the game, and said scenic members having other dimensions less than certain dimensions of said box whereby they are adapted to be collapsed within said box and lid when closed.

1,559,172. SHUTTLE AND PICKER CHECK FOR LOOMS. ALPHONSE LECOMTE and ADELARD L'ARCHEVEQUE, Fall River, Mass., assignors to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed June 25, 1925. Serial No. 39,476. 8 Claims. (Cl. 139—170.)

1. A shuttle and picker check for a loom having a lay, a picker stick and a shuttle box with a rear binder pivoted at the end of the lay comprising a slide bar mounted on the lay to slide longitudinally thereof and having a projection in the path of the picker stick, a spring interposed between the lay and the slide bar, acting to move the slide bar inward, and a bell crank lever fulcrumed on the lay and having its longer arm extending inward with its free end in the path of the pivoted binder and having its shorter arm extending outward and provided with a friction facing engaging the slide bar, whereby a relatively small force transmitted by the shuttle to the binder as it enters the shuttle box is transformed into a relatively large force acting to check the endwise movement of the shuttle through the picker stick without increasing the force required to pick the shuttle out of the shuttle box.

1,559,173. SCREW PROPELLER. HENRY LEITNER, London, England. Original application filed Oct. 20, 1923, Serial No. 669,750. Divided and this application filed July 17, 1924. Serial No. 726,597. 2 Claims. (Cl. 170—159.)



1. A screw-propeller of the type hereinbefore referred to, wherein the face or back plate of each plate of each blade is formed with one or more longitudinal corrugations substantially as, and for the purpose, specified.

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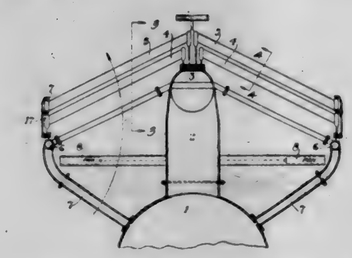
1,559,174. CONDENSER FOR LOCOMOTIVES. FREDRIK LJUNGSTRÖM, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Apr. 13, 1922. Serial No. 552,425. 3 Claims. (Cl. 257—25.)



1. A condenser for locomotives consisting of cooling elements located side by side, fans for forcing air between said elements, said cooling elements being arranged in groups and said groups arranged in rows one above the other, means forming channels between the several groups whereby separate currents of air are supplied to the different groups.

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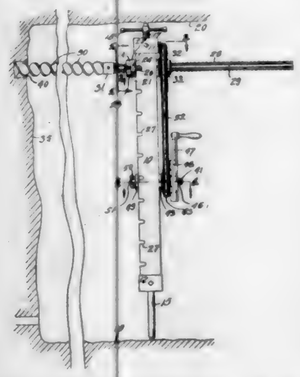
1,559,175. MINE DRILLING MACHINE. ISAIAH S. MARSHALL, Des Moines, Iowa. Filed Jan. 21, 1925. Serial No. 3,774. 1 Claim. (Cl. 255—46.)

In a drill of the kind described, an upright frame, means for securing the frame between a floor and a roof, a bearing structure mounted on the frame for vertical adjustment thereon, a threaded rod mounted in said bearing in screw-threaded cooperation therewith, a drill secured to said rod, a screw-threaded sprocket mounted on said rod, said sprocket and rod having a non-rotatable sliding connection as well as the screw-threaded connection, a second sprocket below the first sprocket in alignment therewith, a chain and sprocket means for operating said second sprocket, and means for adjustably mounting the second sprocket on the frame, said means comprising a shaft on which the second sprocket



is mounted having a reduced end, plates on said reduced end spaced from each other for receiving the frame between them, and means for locking said plates on said frame.

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1,559,176. DEXTROSE HYDRATE. WILLIAM B. NEWKIRK, Riverside, Ill., assignor to International Patents Development Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 16, 1924. Serial No. 732,558. 6 Claims. (Cl. 127—30.)

6. Crystalline dextrose consisting of separate hydrate crystals substantially unimpaired as to their crystalline structure, but containing less than the normal quantity of water of crystallization.

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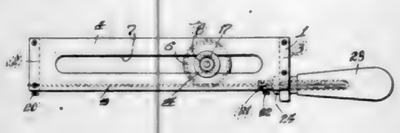
1,559,177. VALVE GRINDER. CHARLES W. OGLE, St. Louis, Mo. Filed Mar. 24, 1921. Serial No. 455,033. 6 Claims. (Cl. 51—29.)



1. In an operating tool holder, a reciprocable guiding member, a turnable element located in said member having its axis slidingly supported thereby, said element adapted to support a tool, and means secured adjacent each end of said member co-operable with said element for turning said element in alternate directions when said member is reciprocated.

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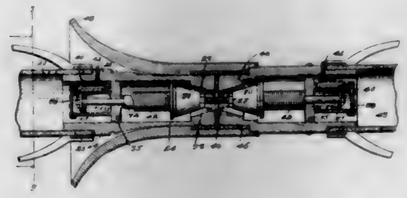
1,559,178. AUTOMATIC COUPLING FOR PNEUMATIC TRAIN PIPES. MILE PODNAR, Des Moines, Iowa. Filed Sept. 12, 1923. Serial No. 662,244. 4 Claims. (Cl. 284—5.)

1. In combination with one end of a train pipe, a coupling plug, a bell shaped coupling member, means for yieldably mounting each of said members spaced apart and parallel with each other in such a manner that when two cars equipped with said device are connected together in operative relation, the plug member of one car will enter the bell shaped member of the opposite car,



each of said members being provided with an air passage communicating with the main train pipe and in communication with each other when in coupled relation, means



in each of the bell shaped members and plug members for automatically closing the communicating openings through them, and means for retarding the action of said closing means.

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1,559,179. METHOD FOR ELIMINATION OF IRON FROM SOLUTIONS OF LEUCITIC ROCKS. UMBERTO POMILIO and FRANCESCO GIORDANI, Naples, Italy, assignors to Pomilio Brothers Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 25, 1922. Serial No. 584,384. 5 Claims. (Cl. 204—9.)

1. In a process of treatment of leucitic rocks, the steps of attacking them with acid, removing the silica from the solution so formed, and precipitating the iron from said solution by electrolysis, substantially as set forth.

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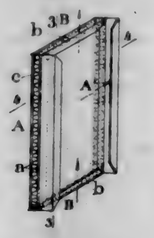
1,559,180. HEAT EXCHANGER. EMILE PEAT, Paris, France. Filed Aug. 18, 1925. Serial No. 51,027. 1 Claim. (Cl. 257—166.)



A heat exchange device for the transfer of heat from one fluid to another comprising a plurality of elements each consisting of a pair of spaced plates, channel irons overlapping two opposed edges of said plates, resilient spirals between the plates positioned to hold the plates in contact with the inner surfaces of said channels so as to provide a passage for one of the fluids, and other channel irons placed between the unobstructed edges of the plates of adjacent elements to form a passage for the other fluid at substantially right angles to the first passage.

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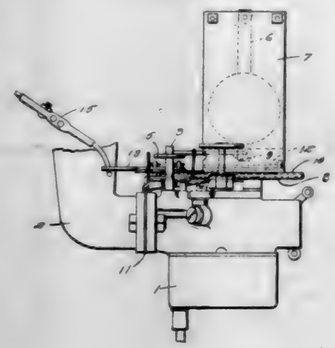
1,559,181. AUTO AUTOMATIC SPEED REGULATOR. WILLIAM S. REYNOLDS, Redding, Calif. Filed Nov. 6, 1924. Serial No. 748,800. 4 Claims. (Cl. 137—139.)

2. Means for automatically regulating the speed of a vehicle, the same consisting of a pendulum connected with the throttle of the engine to automatically open or close the same depending upon the load incident to ascending or descending a grade, and a frame carrying said pendulum adjustably mounted relatively to the throttle operating means.

8. An automatic speed regulator of the character specified comprising a support, a frame slidable upon the support, a pendulum carried by the frame, connecting



means between the pendulum and throttle, and means under control of the driver for adjusting the pendulum frame and holding the same in the required adjusted position.

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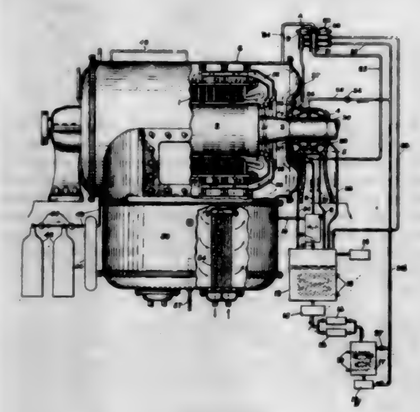
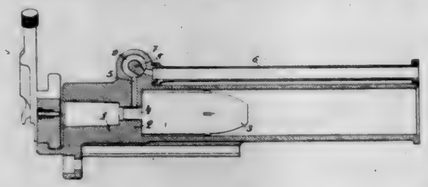
1,559,182. DYNAMO-ELECTRIC MACHINE. CHESTER W. RICE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 23, 1923. Serial No. 676,647. 18 Claims. (Cl. 171—252.)



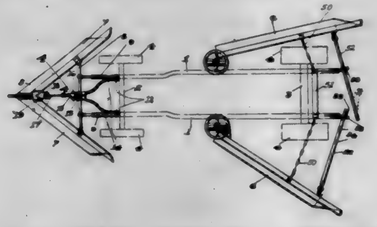
1. In combination, a dynamo electric machine having a rotatable member mounted on a shaft, a casing co-operating with the dynamo electric machine to form a closed circuit for the circulation and recirculation of gas lighter than air for cooling said machine, means forming a liquid seal for preventing the escape of gas from said casing, said seal comprising a chamber surrounding said shaft and containing a liquid for preventing the escape of gas from said casing, a second chamber also surrounding said shaft, said second chamber being located between said first mentioned chamber and said rotatable member, and a drain connected to said second chamber through which said liquid flows by gravity whereby the excess liquid is removed and said liquid prevented from entering said machine.

1,559,183. TUYÈRE WITH VARIABLE OUTPUT FOR CANNON. EMILE RIMAILHO, Paris, France, assignor to Compagnie des Forges & Acieries de la Marine et d'Homecourt, Paris, France. Filed July 13, 1925. Serial No. 43,355. 6 Claims. (Cl. 89—1.)



1. In a cannon, a powder chamber arranged at the rear part thereof, a bore for the travel of the projectile, a partition between the said chamber and the said bore, a tuyère arranged in the said partition and connecting the said chamber and the said bore, a projection at the rear of the projectile which may be engaged in the said tuyère, an outlet conduit formed in the said partition and opening into the wall of the tuyère and means for regulating the output of the said conduit.

1,559,184. SNOWPLOW. CHARLES S. ROBBINS and EDWARD B. COBURN, Worcester, Mass. Filed June 17, 1924. Serial No. 720,577. 10 Claims. (Cl. 37—44.)

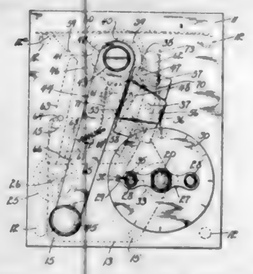


1. In apparatus for removing snow, a vehicle, a wing plow pivotally attached at its front end to said vehicle for movement about a vertical axis, the full weight of said front end of said plow being carried by said vehicle, said plow being further pivotally mounted at substantially the same place for movement about a horizontal axis, said plow being held rigidly about its own longest dimension as an axis, and adjustable means at substantially the rear end of said plow holding it outwardly from said vehicle.

1,559,185. HEADLIGHT REFLECTOR. CHARLES L. SAMS, Bridgeport, Ohio, assignor of one-half to Henry C. Cilles, jr., Bridgeport, Ohio. Filed Mar. 20, 1924. Serial No. 700,650. 1 Claim. (Cl. 240—41.)

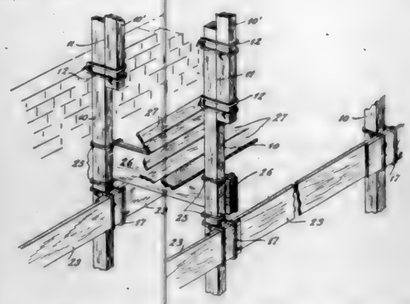
A headlight reflector made in a single piece of substantially the same thickness throughout the reflector having a substantially round opening at the front thereof and a lamp hole at the rear thereof, said opening extending from the base of the reflector to a line substantially extending through the axis of said hole, the reflector extending upwardly and rearwardly along an unbroken curve directly from the front thereof, and the reflector curving downwardly and forwardly at its lower portion from the rear to said opening.

1,559,186. TIMING MECHANISM. JOHN A. SCOTT, Dedham, Mass., assignor to The Sentinel Mfg. Co., New Haven, Conn., a Corporation. Filed Feb. 20, 1924. Serial No. 693,991. 11 Claims. (Cl. 161—1.)



1. In a timing mechanism, the combination with a time-movement, of setting means therefor, an ultimate operator, a manual for moving the same in one direction, yielding means for reversely moving the same, and connections between the said elements constructed and arranged to permit the operator to be manually set in an advanced position or in an intermediate position, with respect to its normal position, and to be automatically moved after a predetermined length of time from its advanced position to its intermediate position, or from its intermediate to its normal position, whereby the said mechanism may be utilized for automatically effecting either of two movements predetermined by the operator at the time of setting the device.

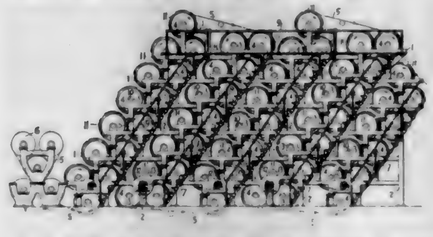
1,559,187. SCAFFOLDING CONSTRUCTION. WILLIAM E. SEXTON, Long Island City, N. Y. Filed Aug. 25, 1922. Serial No. 584,170. 8 Claims. (Cl. 304—40.)



1. A clamp for scaffolding comprising complemental U-shaped sections each having parallel legs and a cross-leg connecting said parallel legs at one end, connecting members extending transversely to and between opposed parallel legs of said sections at opposite ends thereof to fix the sections in spaced relation said connecting members comprising integral parts of said parallel legs, and screws mounted in and passing through some of said legs and having their inner ends adapted to bear against elements to be clamped together to thereby create outward pressures whereby said clamp is caused to exert its clamping function.

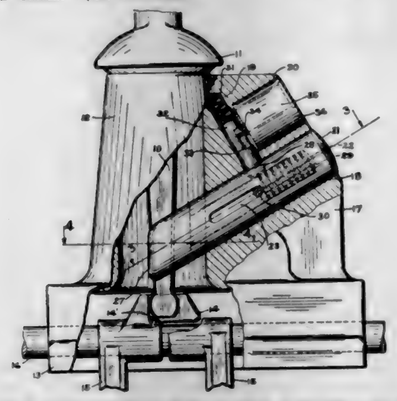


1,559,188. PAPER DRIER. CHARLES W. SHARTLE, Middletown, Ohio, assignor to The Shartle Brothers Machine Company, Middletown, Ohio. Filed June 9, 1924. Serial No. 718,828. 3 Claims. (Cl. 34—48.)



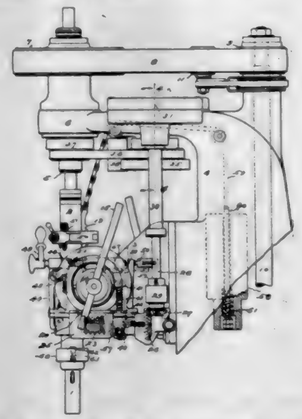
1. A paper drier, including in combination, a series of drier units each comprising a plurality of sets of drier rolls, arranged one set above another in parallel horizontal planes, horizontally opposite rolls of the unit being operable in contra-directions and adapted to be traversed in a serpentine path by a paper web.

1,559,189. GEAR-SHIFT-LEVER LOCK. JOHN H. SHAW, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a Corporation of Connecticut. Filed May 13, 1920. Serial No. 381,146. 1 Claim. (Cl. 70—128.)



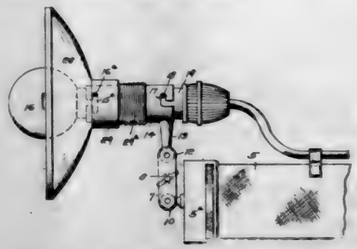
In a gear shift lever lock, a lever supporting bracket having a hollow portion, a gear shift lever pivoted at the upper portion of said bracket and having its lower end extending into said hollow portion to engage the shifting devices, said bracket having a solid enlarged portion at one side of the lever provided with an inclined face adjacent its upper part and having an inclined bore extending from said face into the hollow portion of the bracket, a plunger movably mounted in said bore, said bracket having a second bore in the inclined face thereof parallel to and above the first bore, and a third bore extending in a downward direction along the bottom of the second and terminating in the first named bore, a spring pressed bolt slidably mounted in said third bore and adapted to engage the plunger, a lock mounted in the second bore and having a lost motion connection with said bolt whereby the latter is free to move downwardly into engagement with the plunger, and said plunger having its inner end bifurcated to engage the lever adjacent the lower end when said plunger is moved inwardly and downwardly in its bore, the bifurcated end of said plunger having its face inclined to lie in a substantially vertical plane parallel with the lever when the latter is in neutral position, said spring pressed bolt moving to locking position in a downward direction whereby it is actuated by gravity as well as by its spring.

1,559,190. DRILL PRESS. CURTIS F. SHERMAN, Hartford, Conn., assignor to The Henry & Wright Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Dec. 31, 1923. Serial No. 683,677. 19 Claims. (Cl. 77—33.)



1. In a drilling machine in combination with the rotatory and reciprocatory tool spindle and means for rotating the spindle, of a rack and pinion for reciprocating the spindle, a worm wheel connected with the pinion shaft, a worm engaging the worm wheel, means driven from the spindle for rotating the worm, and means operable automatically and by hand for engaging the worm with the worm wheel and disengaging the worm from the worm wheel and effecting the feed and cessation of feed of the spindle.

1,559,191. HEADLAMP DEVICE. CHESTER H. SMITH, Pittsburg, Kans. Filed Mar. 31, 1925. Serial No. 19,677. 1 Claim. (Cl. 240—59.)

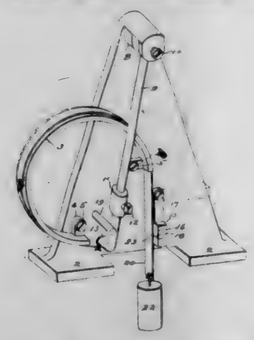


A device of the character described comprising a curved metallic plate having slotted portions, a headband having threaded engagement in said slotted portions, a spherical element rigidly affixed to the headband, a lamp socket, an arm extending laterally from the lamp socket and rigidly affixed thereto and carrying a spherical element at its end, a pair of spaced bars having semispherical recesses in their confronting faces receiving the spherical elements of the lamp and plate respectively to constitute a universal joint, a reflector and a threaded mounting for said reflector with respect to the lamp socket.

1,559,192. APPARATUS FOR DEMONSTRATING GRAVITY ACCELERATION. DAVID G. SMYTH, Hartford, Conn. Filed Apr. 6, 1925. Serial No. 21,156. 7 Claims. (Cl. 35—12.)

1. A gravity acceleration apparatus comprising a frame, a ledge extending outward from the face of the frame, a pendulum supported by the frame and adapted

to swing across its face, a plummet, a flexible strip loosely passing over the ledge and having one end connected with the plummet and the other end connected with the pendulum whereby the plummet through said strip tem-



porarily holds the pendulum at one side of the center of its path of oscillation, and means carried by the pendulum and adapted to engage and mark said strip when the latter is severed and the plummet is allowed to drop and the pendulum allowed to swing.

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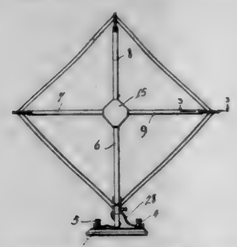
1,559,193. FOLDING-LOOP ANTENNA. MAURICE W. STAVRUM, ROBERT L. OLSON, and WALLACE H. BERRY, Chicago, Ill. Filed Aug. 25, 1924. Serial No. 734,021. 5 Claims. (Cl. 250—33.)



1. A loop antenna of the character described comprising a folding frame, combs carried by said frame, and a plurality of turns of wire bank-wound upon said combs.

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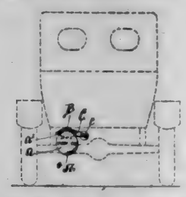
1,559,194. COMBINED AUTOMOBILE SIGNALING AND ADVERTISING DEVICE. LAWRENCE HILL STEELE, Vaughn, Ga., assignor of one-half to John Wimbish Guinn, La Grange, Ga. Filed Dec. 1, 1924. Serial No. 753,274. 2 Claims. (Cl. 116—52.)



1. An automobile signal comprising a plate adapted to be attached to an automobile, a signal arm pivoted upon the back of the plate and adapted to swing outwardly beyond the edge of the plate into exposed position and to swing down behind the plate out of sight, said arm having an angular extension at its pivot end, a lever pivoted to the lower portion of the plate at said side and having an under arm extending upwardly into proximity to the pivot of the signal arm, an L-shaped link pivotally connected at one end to the angular extension of the signal arm, and at its other end extending upwardly and pivotally connected to the upper end of said lever, a bracket carried upon said plate about the lower end of said lever and having an out turned plate at its lower edge, a bell crank lever pivoted at its angle upon said plate and having one end pivotally connected to the lower end of said lever and below the pivotal support thereof, and a flexible connection to the other end of said bell crank lever, whereby a pull on said connection is adapted to swing said bell crank lever, swing the upper end of the upwardly extending lever and move the signal arm into exposed position, the weight of said signal arm being adapted to return said parts to normal position, said angled shaped link being adapted to maintain the pivotal connections of the angled extension of the signal arm and the long lever at all times out of a dead center position.

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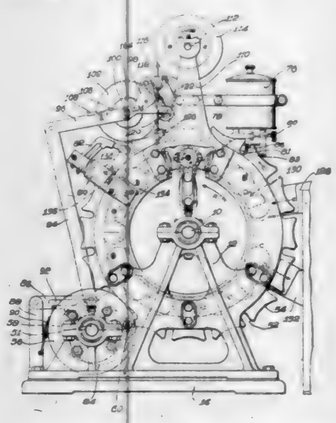
1,559,195. MACHINE FOR SOLDERING. LOUIS H. STEIN, Chicago, Ill., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 19, 1921. Serial No. 501,572. 12 Claims. (Cl. 113—59.)



1. In a device of the class described, a rotatable carrier having a peripheral annular slot, means for delivering an article by gravity to said slot, and projections from the walls of said slot arranged to engage said article and cooperate with the bottom of the slot to support the article and carry it away from said delivery means.

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1,559,196. VULCANIZING RUBBER. GEORGE H. STEVENS, Newark, N. J. Filed June 25, 1923. Serial No. 647,765. 12 Claims. (Cl. 18—53.)

1. A process of vulcanizing rubber which consists in, incorporating a vulcanizing agent with rubber, then under heat, accelerating vulcanization in the presence of tetratolyltricarbodiimide in the rubber mixture.

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1,559,197. VULCANIZING RUBBER. GEORGE H. STEVENS, Newark, N. J. Original application filed June 25, 1923, Serial No. 647,765. Divided and this application filed Jan. 26, 1925. Serial No. 4,958. 12 Claims. (Cl. 18—53.)

1. A process of vulcanizing rubber which consists in, incorporating a vulcanizing agent with rubber, then under heat, accelerating vulcanization in the presence of tetraxyliltricarbodiimide in the rubber mixture.



1,559,198. VULCANIZING RUBBER. GEORGE H. STEVENS, Newark, N. J. Original application filed June 25, 1923, Serial No. 647,765. Divided and this application filed Jan. 26, 1925. Serial No. 4,959. 9 Claims. (Cl. 18—53.)

1. A process of vulcanizing rubber which consists in, incorporating a vulcanizing agent with compounded rubber, then under heat, causing the formation of tetraphenyltricarbodiimide within the rubber mixture while effecting vulcanization.

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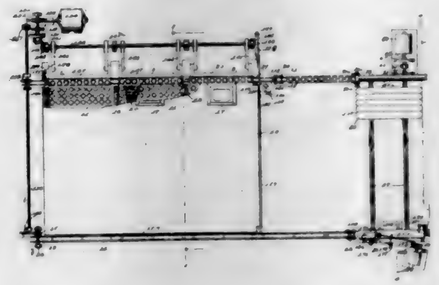
1,559,199. MECHANISM FOR HANDLING TILE-BEARING PALLETS. HALVER R. STRAIGHT, Adel, Iowa. Filed Sept. 25, 1923. Serial No. 664,713. 16 Claims. (Cl. 214—18.)



1. In combination with the off-bearing mechanism of a tile cutter and a drier kiln provided with an inlet and outlet opening, a stack of pallets, means for successively advancing the pallets from said stack to a receiving position on said off-bearing mechanism, a stacking mechanism, means for advancing the pallets to position in front of said inlet openings, means for advancing the pallets through said kiln through the outlet openings, means for advancing the pallets from said outlet opening to said stacking mechanism, and means for advancing the stacks of pallets to the first said operator position.

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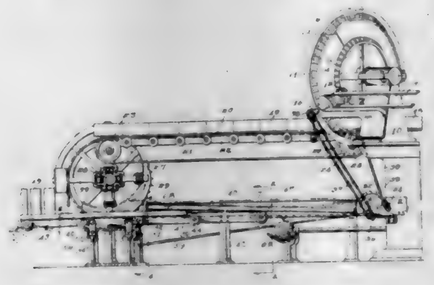
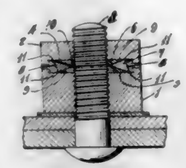
1,559,200. PALLET-FEEDING MECHANISM. HALVER R. STRAIGHT, Adel, Iowa. Filed June 1, 1925. Serial No. 34,054. 10 Claims. (Cl. 25—110.)



1. In combination, a tile cutter, an off-bearing mechanism, a pallet accumulating device, means for receiving a pallet from said accumulating device and feeding it intermittently beneath the discharge end of said off-bearing mechanism.

1,559,201. LOCK NUT. ALFRED A. TEEPLE, South Plainfield, N. J. Filed May 11, 1925. Serial No. 29,512. 3 Claims. (Cl. 151—1.)



1. A lock nut comprising complemental threaded members having recesses in their abutting faces, and a disk of soft metal seated in said recesses and normally thicker than the combined depth thereof compressed into frictional engagement with the walls of the recesses and the threads of the bolt by relative movement of said members toward each other, and means within the disk aforesaid to direct the movement of the metal thereof towards said walls and threads.

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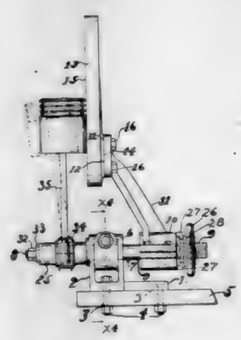
1,559,202. COMBINED PISTON-ALIGNING AND BEARING-FITTING FIXTURE. HJALMAR THOMASON, Los Angeles, Calif., assignor to Shepard-Thomason Co., Los Angeles, Calif. Filed Feb. 15, 1921. Serial No. 445,217. 5 Claims. (33—180.)



1. A jig for aligning a piston with its connecting-rod bearing; comprising a shaft; means for supporting said shaft intermediate its ends; the opposite ends of said shaft extending co-axially on opposite sides of said supporting means and independent of other supports so as to form spindles; means to lock said shaft in said supporting means; and an arm mounted on one of said spindles and adjustable therealong and rotatable thereon and having a face extending in a plane at right angles to the produced axis of said spindles; the other of said spindles being adapted to allow a connecting-rod bearing to be freely slid thereon.

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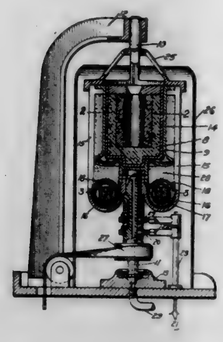
1,559,203. PROCESS OF AND APPARATUS FOR PURIFYING FUSIONS. ELIHU THOMSON, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 1, 1925. Serial No. 34,086. 5 Claims. (Cl. 49—78.1.)

1. The process of removing suspended particles from materials forming viscous fusions which consists in

fusing said materials, subjecting the fusion to centrifugal force sufficiently great to segregate said particles in



one portion of the fusion, allowing the fusion to solidify and mechanically separate the part of the mass containing the impurities from the purified remainder.

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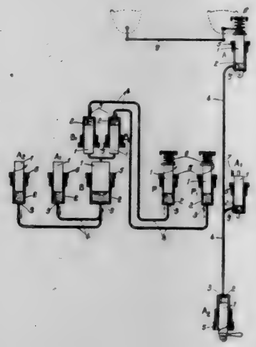
1,559,204. MEANS FOR ORIENTING AUTOMOBILE HEADLAMPS. JEAN THOREL, Louviers, France. Filed Feb. 5, 1924. Serial No. 690,864. 4 Claims. (Cl. 240—61.)



1. In an apparatus of the character described, a dirigible head-light, fluid pressure operable means for actuating said head-light, fluid displacing means operable by the vehicle steering gear, manually operable fluid displacing means operable independently of the first displacing means, and a fluid conduit connecting the several fluid displacing means with the fluid pressure operable means.

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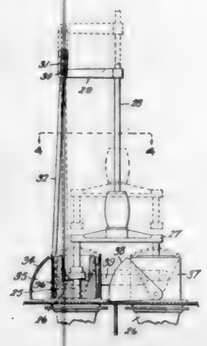
1,559,205. ELECTRIC SWITCH. HENRY TRENCHAM, Ruislip, England, assignor to General Electric Company, a Corporation of New York. Filed Nov. 6, 1923. Serial No. 673,089. 3 Claims. (Cl. 200—162.)

1. Electric switch gear of the type having the live parts immersed in an insulating liquid characterized by the fact that a grounded screen is provided within the liquid between the live parts and other parts of the gear



when it is desired to render the latter dead and free from leakage currents.

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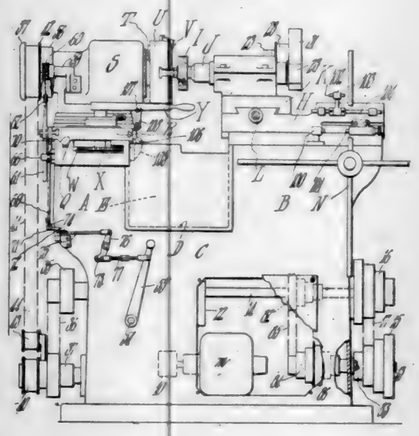
1,559,206. GRINDING MACHINE. FREDERICK D. VAN NORMAN, Springfield, Mass. Filed Feb. 20, 1920. Serial No. 360,096. 22 Claims. (Cl. 51—95.)



1. In a grinding machine, aligned rotary work-holding and tool-holding devices, quick acting means to move one of said devices into offset relation with the other, driving means for said movable devices including means associated with the driving means to maintain a uniform driving connection therewith throughout its range of movement.

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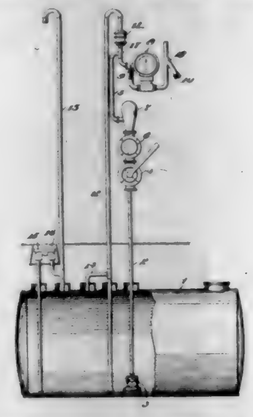
1,559,207. APPARATUS FOR DELIVERING MEASURED QUANTITIES OF LIQUID. WILLEM CARL VAN RINGELENSTEIN and THEODORUS RIEL, The Hague, Netherlands. Filed Jan. 15, 1925. Serial No. 2,570. 4 Claims. (Cl. 221—80.)

1. Apparatus for delivering measured quantities of liquid having in combination with a pump, a low level liquid container, and a meter or gauge which registers the flow of liquid and gaseous fluids, a device, which



affords an outlet for gaseous fluid from the pump conduit leading to the meter but which automatically closes said outlet when said conduit is filled with liquid, and



means whereby the outlet is automatically opened when the liquid pressure in the conduit exceeds a predetermined value.

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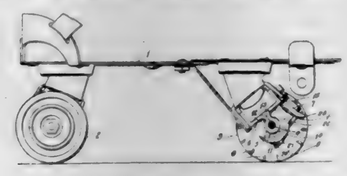
1,559,208. DOUBLE RATCHET FOR ROLLER SKATES. LUI C. VERGANO, Berkeley, Calif. Filed Mar. 5, 1924. Serial No. 697,072. 7 Claims. (Cl. 208—179.)



1. A roller skate having the front wheels thereof provided with ratchet teeth, a bracket secured to the skate between said wheels and occupying an upwardly and forwardly inclined position, pawls pivoted to said bracket and extending downwardly and forwardly therefrom, and a spring urging the pawls into the paths of said ratchet teeth.

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1,559,209. HORSE COLLAR. WILLIAM VISSER, Lovilia, Iowa. Filed Apr. 25, 1924. Serial No. 708,893. 1 Claim. (Cl. 54—18.)

A horse collar comprising a pair of similar halves formed of wood, said halves having their under surfaces shaped to conform to the neck and shoulders of the horse, a strap and buckle connection at the upper ends of said halves, and their lower ends being formed with flat surfaces, said halves being capable of having their lower ends swing apart for permitting the halves to be used as a collar upon horses of various sizes, hame receiving flanges formed on said halves, hames on said flanges and a hame strap for retaining the halves of the collar in proper position.

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1,559,210. VANITY-CASE HOLDER. LESLIE O. WETHERELL, Attleboro, Mass., assignor to Freeman-Daughaday Company, Chartley, Mass., a Corporation of Massachusetts. Filed July 18, 1925. Serial No. 44,457. 1 Claim. (Cl. 24—3.)

A holder for a vanity case comprising a plate of sheet material, an arm struck out from within the margin thereof for engaging a garter or the like to press the same against the plate, diametrically opposite fingers on the edge of said plate extending outwardly at substantially right angles thereto and located at substantially the horizontal center and slightly thereabove, inturned lips on the ends of said fingers between which and said plate a circular shaped vanity box may be snapped and gripped, the upper peripheral edge of said plate being free from box engaging fingers and a portion extending outwardly from the bottom of said plate to serve as a stop to limit the movement of said box in being slid in a plane substantially parallel to said plate from the top thereof to a position under said lips.

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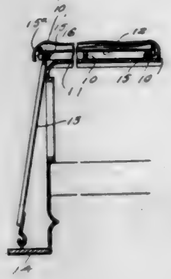
1,559,211. AUTO CAMP-COT TENT. LUCIAN A. WINGATE, Fort Myers, Fla. Filed June 14, 1924. Serial No. 720,111. 5 Claims. (Cl. 5—119.)

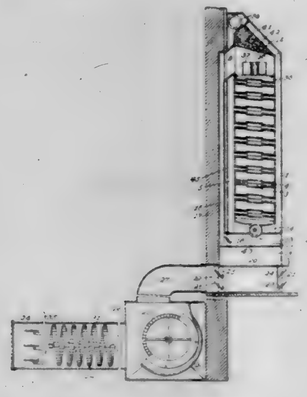


1. A folding cot for the use of campers, the same comprising supporting bars pivotally connected at one end to the running board of an automobile, and a cot frame pivotally connected at its outer side to the outer ends of the supporting bars and adapted to rest upon the latter when the cot is extended.

1,559,212. REFLECTOR FOR HEADLIGHTS. OVERTON WINSTON, Minneapolis, Minn. Filed May 3, 1920. Serial No. 378,481. Renewed May 18, 1923. 36 Claims. (Cl. 240—41.)

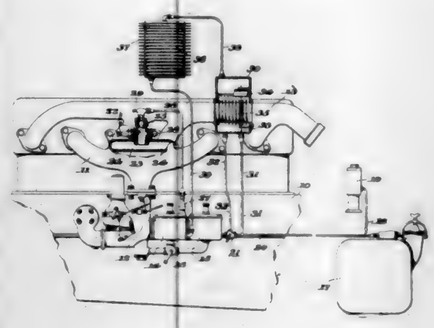
1. A headlight set for approximately horizontal projection and comprising a reflector and a light source therein, said reflector having a surface substantially corresponding to a surface generated by a conic revolved in a downward direction on the approximately horizontal axis of the conic while increasing, at the same time, both its radial distance from said axis and the distance from said light source of its vertex or point of intersection with said axis, the major portion of the upper part of said surface being the reverse of the corresponding major portion of the lower part of said surface.

1,559,213. HEATING APPARATUS. JOHN W. WINTERBOTTOM and RALPH F. WINTERBOTTOM, Waterloo, Iowa. Filed Apr. 17, 1922. Serial No. 554,101. 6 Claims. (Cl. 257—135.)



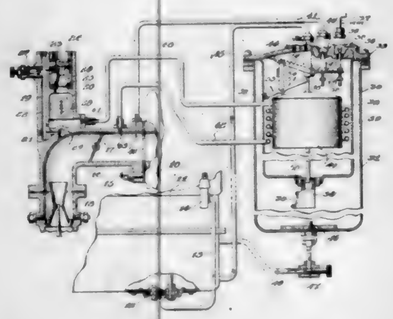
1. In heating apparatus, a distributing chamber in communication with a controllable source of air under pressure, hollow radiator elements assembled together and in circulatory communication with each other and with a source of fluid supply under pressure and with a desired temperature, hollow air-conduit elements assembled with said radiator elements in communication at one end with said distributing chamber and having delivery vents at the other end, a by-pass leading from said distributing chamber into the communicating parts of the air-conduit elements adjacent said delivery vents, means for controlling adjustably said by-pass, said distributing chamber also having controllable means of communication with the surrounding atmosphere, and said radiator elements being of winding shape with their inter-winding spaces in communication with said air-conduit elements.

1,559,214. HYDROCARBON MOTOR. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 1, 1920. Serial No. 407,443. 5 Claims. (Cl. 123—127.)



1. In a hydrocarbon motor, the combination with the motor intake conduit, the carburetor connected thereto, a combustion heater also connected to the intake conduit, and a fuel supply, of a still connected to said fuel supply, and a condenser connected to the still and adapted to supply fuel to the carburetor and to the combustion heater.

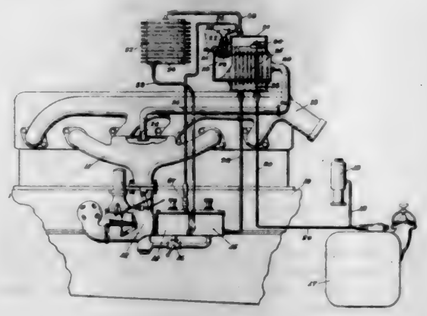
1,559,215. INTERNAL-COMBUSTION ENGINE. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed July 1, 1922. Serial No. 572,151. 17 Claims. (Cl. 123—196.)



1. A method of refining the lubricating oil of an internal combustion engine consisting in subjecting the oil to sub-atmospheric pressure and simultaneously to heat controlled by the engine suction.

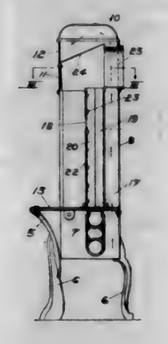


1,559,216. INTERNAL-COMBUSTION ENGINE. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Original application filed Sept. 1, 1920, Serial No. 407,443. Divided and this application filed Feb. 6, 1925. Serial No. 7,266. 7 Claims. (Cl. 123—127.)



6. In an internal combustion engine, the combination of an engine cylinder, a still, and a combustion heater operated by the engine and adapted to heat said still.

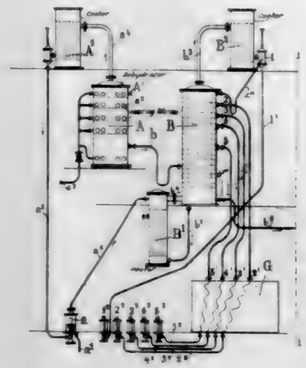
1,559,217. HEATING STOVE. FRANK YOKEL, Avalon, Pa. Filed Dec. 22, 1923. Serial No. 682,192. 5 Claims. (Cl. 126—92.)



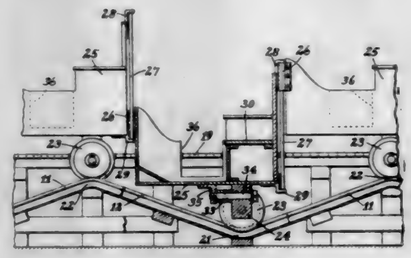
1. A stove comprising a casing, a plurality of burners in the lower part thereof, and a pair of vertical plates mounted over the burners having separated oppositely pressed vertical ribs therein, the ribs of one plate registering with those of the other whereby vertical hollow columns are formed, one of said columns being disposed over each burner, the ribs of the plates being separated by intervening flat areas whose inner faces contact.

1,559,218. PROCESS OF CONTINUOUS RECTIFICATION OF SPIRITS, PETROLEUMS, AND BENZOLS. EMILE AUGUSTIN BARBET, Paris, France. Filed June 25, 1918. Serial No. 241,841. 9 Claims. (Cl. 196—73.)

1. The continuous process for the distillation of a mixture of volatile liquids having different boiling points, which comprises supplying heat to the mixture to vaporize the lower boiling constituents thereof at atmospheric pressure, condensing the vapours thereby formed, interrupting the supply of heat to the residual liquid and subjecting it while in a heated state to a pressure below that of the atmosphere, subjecting the vapours thereby formed to fractionation and subjecting the liquid residue from this operation to multiple effect evaporation in vacuo with the application of heat.

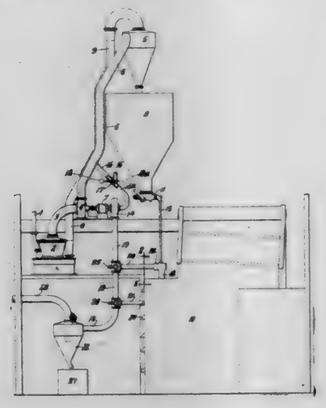


1,559,219. AMUSEMENT DEVICE. FRANK V. BURROW, Los Angeles, Calif. Filed Aug. 26, 1924. Serial No. 734,204. 2 Claims. (Cl. 272—44.)



1. An amusement device comprising a circular track consisting of a pair of concentric rails having alternate upward and downward bends to simulate waves, an endless series of connected cars adapted to travel on said track, each of said cars corresponding in length to the semi-wave lengths of said track, slidable connecting means between adjacent cars of said series which maintain all of said cars in a horizontal position, a plurality of driving arms having their outer ends pivotally connected to occasional cars in said series and their inner ends pivotally connected to a common drive wheel, a vertical shaft to which said drive wheel is keyed, means for operatively connecting said vertical shaft with a motor so that it is rotated thereby, and a circular platform surrounding said track for use when entering or leaving said cars.

1,559,220. PULVERIZING SYSTEM. VIRGINIUS Z. CARACRISTI, Bronxville, N. Y., assignor to Locomotive Pulverized Fuel Company, a Corporation of Delaware. Filed Jan. 12, 1922. Serial No. 528,667. 8 Claims. (Cl. 83—9.)



1. A pulverizing system provided with a pulverizer, and an air conveyor disposed between the pulverizer discharge and an inlet of said pulverizer, and positively acting means for exhausting air from said conveyor when the air in said conveyor becomes excessive.

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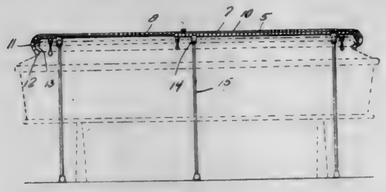
1,559,221. FLOWER RACK. VERL CARPENTER, Lancaster, Ohio. Filed Feb. 21, 1925. Serial No. 10,820. 3 Claims. (Cl. 27—36.)



1. In a rack of the class described, a frame formed from a plurality of telescopic bars, fingers pivoted on the ends of the bars, and springs engaged between the fingers and the bars for tending to hold said fingers toward the casket or the like.

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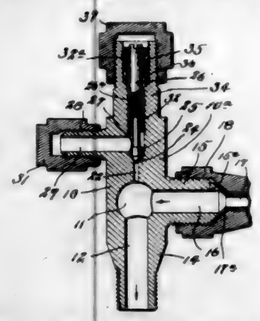
1,559,222. CHARGING VALVE. JOHN O. CARREY, St. Louis, Mo., assignor to Carrey Rotary Engine Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 4, 1924. Serial No. 747,863. 8 Claims. (Cl. 251—43.)

3. A valve fitting for refrigerating systems comprising a single piece casting provided with an outlet adapted to be secured to the inlet port of a refrigerating system, an intake tubular portion adapted to receive the return-pipe of said system, said casting being provided with a circulation passage communicating with said outlet and intake connections, a tubular extension formed integral with said casting and communicating with said circulation passage, said extension being adapted to be connected to an exhausting and charging apparatus, and a manipulative valve for controlling the communication between said exhausting and charging extension and said circulation passage.

8. A charging, exhausting, and circulating refrigeration fitting comprising a casting provided with an integral circulation passage and a plurality of tubular extensions, one of which is adapted to be connected to a charging



and exhausting device, a valve-controlled bore connecting said circulation passage and said charging and exhausting extension, and a detachable cap for sealing said charging and exhausting extension.

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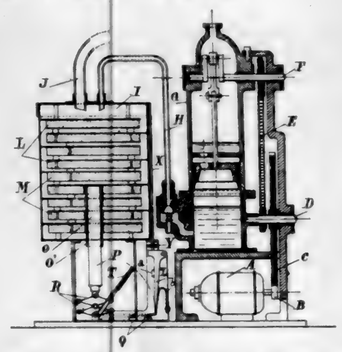
1,559,223. DOMESTIC REFRIGERATING APPARATUS. FERNAN O. CONILL and MICHEL DE LÉZINIER, Marseilles, France. Filed Aug. 17, 1922. Serial No. 582,452. 3 Claims. (Cl. 62—153.)



1. A domestic refrigerating apparatus for the production of ice and thoroughly cooled water, comprising a vertical cylindrical vacuum chamber provided with a plurality of coaxially disposed and superposed plate shaped receptacles containing permanently solid water vapor absorbing material, a vacuum pump for creating a vacuum in the said chamber, a pump driving gears, a bottle containing the water to be cooled, means to support and tightly connect the said bottle with the said vacuum chamber, an electric heating element for heating the chamber and thus drying the vapor absorbing material contained therein, and means for automatically arresting the drying operation.

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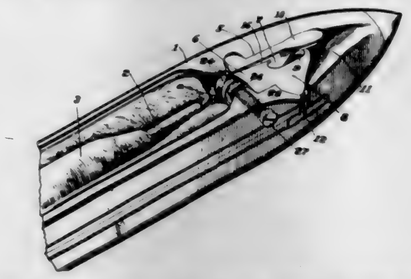
1,559,224. THREAD TENSION FOR AUTOMATICALLY THREADING LOOM SHUTTLES. EDWARD A. CUNNIFF, Waltham, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 6, 1925. Serial No. 41,533. 5 Claims. (Cl. 139—217.)

1. In an automatically threading loom shuttle, the combination of a threading block having a longitudinally extending threading passage and an undercut



chambered portion formed in the block adjacent the bobbin chamber, two disks within the undercut chambered portion of the threaded block provided with con-



vex surfaces arranged face to face below overlying portions of the block, and a threaded bolt passing transversely through the chambered portion of the threading block on which the disks are mounted.

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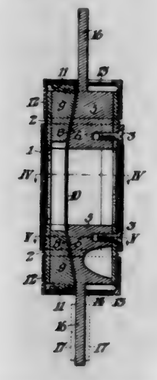
1,559,225. ELECTRICAL FUSE. HOWARD DAVIES, Philadelphia, Pa. Filed Oct. 21, 1919. Serial No. 332,213. 9 Claims. (Cl. 200—132.)



1. In an electrical fuse structure; the combination with a cylindrical tubular casing of insulating material, having internal screw threads at its opposite ends; of metallic screw nipples threaded in said casing at its opposite ends; means fastening said nipples in said casing, including respective screws extending radially through said casing and nipples; substantially semi-cylindrical metallic terminal members held in said nipples by said screws and having their inner faces extending in planes which are oblique to the axis of said casing, affording respective wedge abutments; wedges respectively axially movable in said casing in opposition to said wedge abutments, having their inner faces respectively inclined parallel with the inclined faces of said abutments; said wedges having means to facilitate their withdrawal including grooves in the respective wedges extending obliquely with respect to the axis of said casing in the perimeters of said wedges; whereby said wedges are adapted to clamp a fuse strip between them and their respective abutments; screw caps respectively fitted to the outer ends of said nipples; cap washers, fitted in said caps in opposition to the outer ends of said wedges, and having respective openings for electrical conductors; electrical conducting elements, respectively in integral relation with said wedge abutments and adapted to extend through the openings in said cap washers; said conducting elements being formed as plane blades which are held in alinement with each other by said abutments; and a fuse strip extending in said casing, but clamped by said wedges, having its opposite ends extending through said cap washers.

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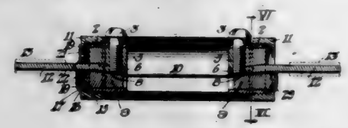
1,559,226. ELECTRICAL FUSE. HOWARD DAVIES, Philadelphia, Pa. Filed Jan. 26, 1920. Serial No. 354,175. 13 Claims. (Cl. 200—132.)



1. In an electrical fuse structure; the combination with a cylindrical tubular casing of insulating material, having screw threads at its opposite ends; of metallic screw nipples at said ends; means fastening said nipples, including respective elements extending radially through said casing and said nipples; substantially semicylindrical metallic terminal members held in said nipples by said fastening means and having their inner faces extending in planes which are oblique to the axis of said casing, affording respective wedge abutments; wedges respectively axially movable in said casing in opposition to said wedge abutments, having their inner faces respectively inclined parallel with the inclined faces of said abutments; whereby said wedges are adapted to clamp a fuse strip; said wedges having means to effect their withdrawal, including members projecting from the ends thereof; screw caps respectively fitted to the outer ends of said nipples; each having an inwardly projecting annular flange; said caps having respective openings for electrical conductors; electrical conducting elements, respectively extending from said wedge abutments, formed as plane blades which are held in alinement with each other by said abutments; and a fuse strip extending in said casing, having its opposite ends clamped by said wedge members.

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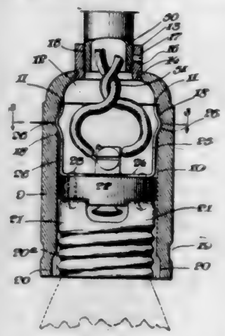
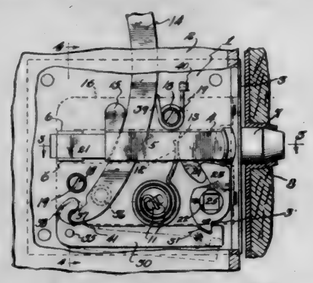
1,559,227. LAMP-SOCKET FIXTURE. FRANK LOUIS DE LA POTTERIE, Brooklyn, N. Y. Filed Sept. 9, 1924. Serial No. 736,732. 11 Claims. (Cl. 173—358.)



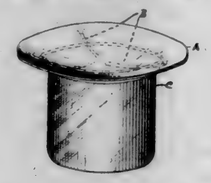
1. A lamp socket fixture comprising a shell having an opening at its lower end, a threaded lamp socket insertible into the shell and removable herefrom through said opening, and spring means carried by said socket and engageable with the shell for releasably securing the socket within the shell, said shell extending upwardly above the socket a substantial distance to form between said socket and the upper end of said shell a compartment of substantial size.

1,559,228. DOOR LOCK. WILLIAM C. DEVEREAUX, Detroit, Mich. Filed Dec. 26, 1923. Serial No. 682,782. 12 Claims. (Cl. 292—169.)



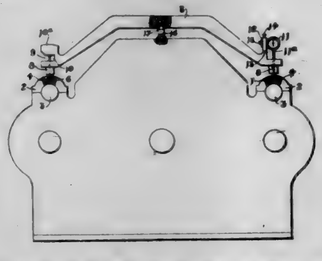
1. In a lock, the combination with a case plate and a movable bolt on the case plate, of a rotatable member on the case plate adapted to actuate the bolt, a trigger on the case plate for holding said rotatable member against movement, an extension on the trigger, a projection on the trigger, and a lever having an extension alternately engageable with the extension and projection aforesaid to move said trigger into and out of locking engagement with said rotatable member.

1,559,229. LABORATORY CONTAINER COVER. BERT P. DOPPER, Detroit, Mich. Filed May 23, 1924. Serial No. 715,428. 8 Claims. (Cl. 215—56.)



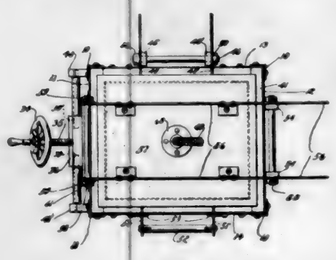
1. A cover for a container provided with spaced integral ribs on its under surface, adapted to rest upon the top edge of a container of equal or lesser diameter, thereby providing a venting space between the otherwise meeting surfaces.

1,559,230. ALIGNING METER FOR LAND AND MARINE GEARS AND SHAFTS. WILLIAM ECCLES, Chorltoncum-Hardy, England, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 22, 1921. Serial No. 439,117. 8 Claims. (Cl. 33—84.)



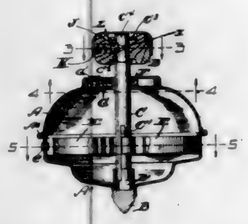
1. An instrument for indicating the deviation from a coplanar condition of two substantially parallel shafts, comprising a beam provided with three bearing or support points, one of which is arranged to abut against a fixed point adjacent the shafts under test whilst two are arranged to respectively engage said shafts at points on lines inclined to the axes of said shafts, at least one of said bearing or support points being adjustable.

1,559,231. APPARATUS AND METHOD FOR CASTING ELECTROTYPES. ALPHONZO B. ECKERSALL, Chicago, Ill. Filed Aug. 23, 1924. Serial No. 733,742. 32 Claims. (Cl. 22—123.)



11. A casting apparatus of the character described including an adjustably mounted backing plate having removable raised edges, means for heating the backing plate, and means for maintaining a shell on the backing plate against deformation during casting operations.

1,559,232. SPINNING TOP. JOHN J. ESPER, Dearborn, Mich. Filed May 31, 1924. Serial No. 717,026. 4 Claims. (Cl. 46—32.)



4. In a device of the character described, a body portion, a rotatable, longitudinally movable spindle mounted in the body portion, a helical spring connected at one end with the body portion and at the other end with a spindle, ratchet mechanism for holding the spring under tension while being manually wound by the spindle, a knob permanently mounted on the upper end of the spindle, and clutch mechanism for clutching the knob to the spindle when the knob is manually rotated for winding the spring, said clutch mechanism being arranged to unclutch the spindle from the knob when the spindle is actuated by the spring.

1,559,233. STOCKING SUPPORTER. ADA M. EUSTER, Pineville, Ky. Filed July 7, 1925. Serial No. 41,993. 2 Claims. (Cl. 2—240.)

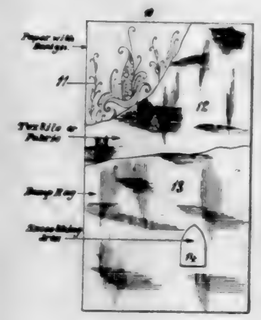
1. In combination, a stocking having its upper terminal portion provided with a pocket opening at the outer side of said portion, a strap slidably mounted in said pocket and having the end portions thereof extended outwardly from the pocket, means carried by the strap and the upper terminal portion of the stocking for detachably securing the strap in adjusted position, and means carried by one of the projecting end portions of

the strap and engageable with the upper terminal portion of the stocking for limiting the shifting movement in one direction of the strap.

1,559,234. SMOKER'S STAND. ROBERT G. FLEMING, Bloomfield, N. J., assignor to Smokador Manufacturing Co., Inc., New York, N. Y., a Corporation of Delaware. Continuation of application Serial No. 587,899, filed Feb. 20, 1922. This application filed Feb. 21, 1925. Serial No. 10,734. 17 Claims. (Cl. 131—51.)

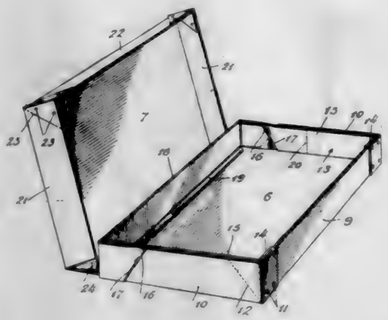
1. A rockable smoker's stand including, in combination, a chamber for receiving smoker's waste and a relatively long, waste conducting passageway leading to said chamber, the waste receiving mouth of said passageway being at a height convenient for deposit of waste, and a foot having rocker faces on which the stand is adapted automatically to rock toward erect position when tilted therefrom.

1,559,235. PROCESS OF PRINTING ON TEXTILES, FABRICS, AND THE LIKE. JOHN FOLK, New York, N. Y. Filed Jan. 22, 1925. Serial No. 3,993. 4 Claims. (Cl. 41—33.)



1. The process of printing on textiles, fabrics and the like, consisting in printing a design, legend or configuration upon a base, locating the textile or fabric upon the printed face of the base and bearing against its design, locating a damp sheet of material upon said textile, fabric and the like, pressing the three elements together and simultaneously heating them.

1,559,236. COLLAPSIBLE BOX. CHARLES A. FOX, New York, N. Y. Filed Oct. 23, 1924. Serial No. 745,271. 3 Claims. (Cl. 229—41.)

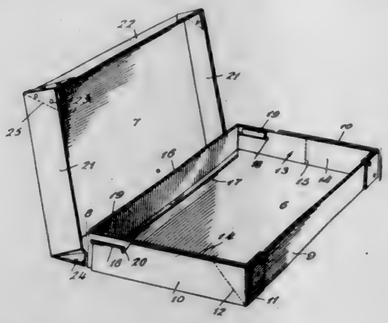


1. In a collapsible box, a bottom section including side walls provided with notches therein, and a collapsible reinforcing inner lining for said section also having side walls provided with notches therein, the first named notches being capable of receiving portions of said lining adjacent the second named notches whereby the side walls of said section and lining are interlocked when the latter is in extended position.

1,559,237. COLLAPSIBLE BOX. CHARLES A. FOX, New York, N. Y. Filed Oct. 23, 1924. Serial No. 745,272. 2 Claims. (Cl. 229—41.)

1. In a collapsible box, a bottom section including a front wall, side walls attached thereto, and an inner foldable lining secured to said front wall and including side walls and an intermediate portion forming the rear

wall of said section, the side walls of said lining being provided with longitudinal slots adjacent said intermediate portion of said lining, and the rear ends of the side



walls of said section terminating short of said intermediate section and being provided with upwardly projecting flaps insertable through the slots in said lining.

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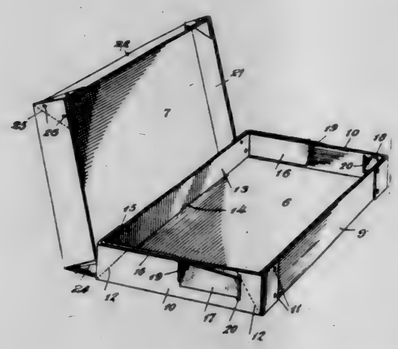
1,559,238. COLLAPSIBLE BOX. CHARLES A. FOX, New York, N. Y. Filed Oct. 23, 1924. Serial No. 745,273. 1 Claim. (Cl. 229—41.)



In a collapsible box, a bottom section including side walls, and a lining for said section also including side walls each having a portion engageable with one side of an adjacent side wall of said section, and another portion formed into a locking tongue, the major portion of which is engageable with the opposite side of said side wall and the free extremity of said tongue being engageable with the first named side of the latter wall, each of the side walls of the section having a slit and a slot, said slit receiving the portion of the adjacent side wall of the lining contiguous to the inner end of said locking tongue, and the slot receiving the free extremity of said tongue.

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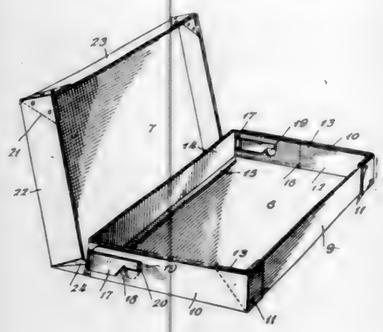
1,559,239. COLLAPSIBLE BOX. CHARLES A. FOX, New York, N. Y. Filed Nov. 1, 1924. Serial No. 747,147. 3 Claims. (Cl. 229—41.)

1. In a collapsible box, a section including side walls, an inner lining for said section also including side walls and a locking tongue for each of the latter side walls joined to its wall adjacent one end thereof, and capable of being extended around an end of an adjacent side wall



of said section to engage said end between said tongue and adjacent portion of the lining to retain the latter in operative position.

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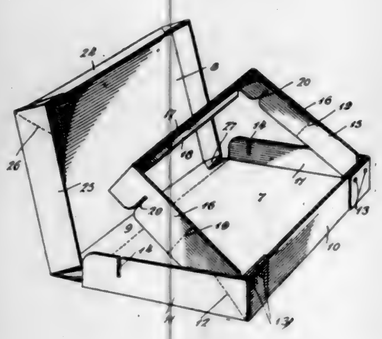
1,559,240. COLLAPSIBLE BOX. CHARLES A. FOX, New York, N. Y. Filed Nov. 1, 1924. Serial No. 747,148. 5 Claims. (Cl. 229—41.)



1. In a collapsible box, a bottom section including a bottom, side walls and a front wall, and a reinforcing lining for said section pivotally connected to said front wall for movement toward and away from said bottom and having side walls, portions of which extend interiorly of the side walls of said section and other portions exteriorly of the latter walls.

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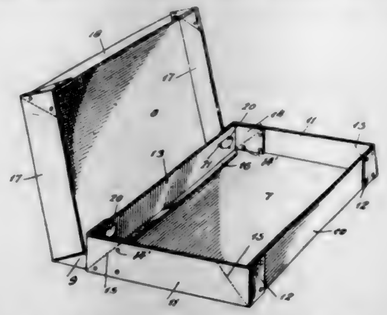
1,559,241. COLLAPSIBLE BOX. CHARLES A. FOX, New York, N. Y. Filed Jan. 9, 1925. Serial No. 1,436. 2 Claims. (Cl. 229—41.)

1. In a collapsible box, a bottom section including side walls and a rear wall having its ends overlapping said side walls, each of said side walls and the adjacent overlapping end having folding lines to permit of collapsing said rear wall, fasteners extending through said overlapping ends and side walls only beneath said folding lines to permit of the portion of each side wall above its folding line having an outward movement relative



to the adjacent overlapping end of said rear wall, a top section, an intermediate section connecting said top and bottom sections, and locking elements formed from the



material of said intermediate section and connected to said upper portions of the side walls above said folding lines and capable of being interlocked with said rear wall.

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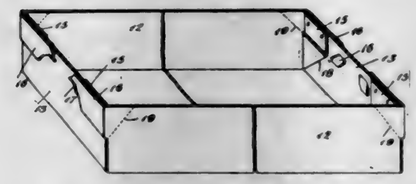
1,559,242. COLLAPSIBLE BOX. CHARLES A. FOX, New York, N. Y. Filed Mar. 5, 1925. Serial No. 13,051. 4 Claims. (Cl. 229—31.)



1. In a collapsible box, a section including a side wall and an end wall, one of which is formed with a slot, a corner portion at one end of the other wall formed to provide a securing portion and a locking tongue, said securing portion being fastened to the first named wall and said locking tongue being capable of extension along said first named wall and engaged in said slot, and a folding line formed in said other wall adjacent said locking tongue and providing a hinge for said tongue to permit of free upward and downward movements thereof relative to the side and end walls in a plane substantially parallel to said first named wall when the tongue is being inserted into said slot.

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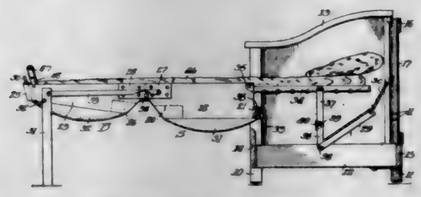
1,559,243. CONVERTIBLE SEAT STRUCTURE. ABE J. FREEMAN, Chicago, Ill., assignor to The Seng Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 12, 1920. Serial No. 373,170. 4 Claims. (Cl. 5—46.)



1. The combination with a seat frame, of a seat invertibly pivoted at the front thereof, an extension frame pivoted at its front corners to the inside of the outer lower corners of said seat and being narrower than the seat, a bar pivoted at each side of the seat frame in the path of the seat but not in the path of the extension frame, and a spring tending to hold the free end of each bar upwardly at the rear of the seat frame but below the back so that the seat will engage the bars and be cushioned by the springs upon its folding movement.

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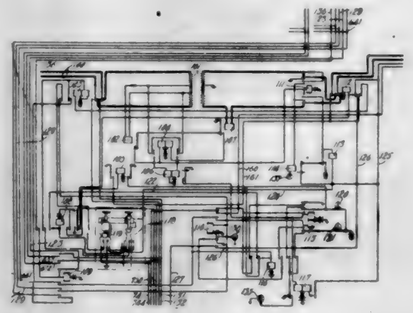
1,559,244. TELEPHONE-EXCHANGE SYSTEM. EARL S. GIBSON, Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 10, 1923. Serial No. 656,742. 8 Claims. (Cl. 179—27.)



1. In a telephone system, a group of equivalent lines arranged to be marked and selected, means for identifying the lines when busy, automatic switches for extending connections over the lines of said group in accordance with their marked condition, and means for governing the operation of said switches to extend a connection over one of said lines regardless of its busy condition.

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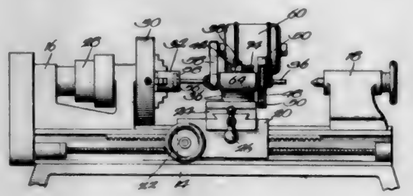
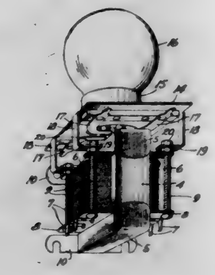
1,559,245. GRINDING MACHINE. JAMES E. GILBERT, Milwaukee, Wis. Filed May 16, 1924. Serial No. 713,652. 4 Claims. (Cl. 51—261.)



1. In mechanism of the class described, a support, a hollow tool carrying shaft rotatably journaled in said support, a second tool carrying shaft within and longitudinally movable with respect to said hollow shaft to adjust the position of the tool carried thereby with respect to said support and with respect to the tool carried by said hollow shaft, means carried by and movable with respect to said hollow shaft for securing the two shafts together whereby they may be rotated in unison, and means to lock said hollow shaft against movement to facilitate manipulation of the means for securing the shaft together.

**1,559,246. SIGNALING APPARATUS.** ALBERT F. F. GILSON, Oradel, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 31, 1923. Serial No. 654,914. 2 Claims. (Cl. 175—356.)



1. In combination, a transformer, a pair of plates, means for clamping said transformer between said plates, a vacuum tube socket, means integral with said vacuum tube socket and secured to the clamping means of said transformer, and a common means for mounting said transformer and vacuum tube socket.

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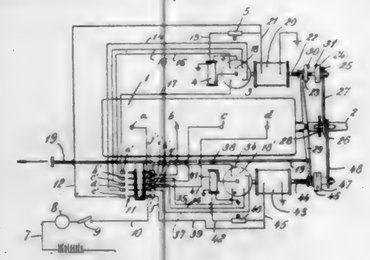
**1,559,247. CALENDAR.** CLAUDE D. GRATON, Newark, N. J. Filed Feb. 28, 1923. Serial No. 621,712. 1 Claim. (Cl. 283—2.)

A depositor's reminder and deposit slip construction comprising a holder including calendar sheets and having an appropriately designated space thereon for the entrance of characters identifying the depositor with his deposits, a group of deposit slips mounted upon each calendar sheet, each of said slips representing a fractional part of the period of time within which the deposits are to be made at intervals in relation to the period of time represented by the respective calendar sheets, each slip being provided with a detachable section, upon which the amount of the deposit may be indicated, and also having an appropriately designated space for the entrance of identification characters corresponding to each other, and the one on the holder.

**1,559,248. IGNITION SYSTEM.** FRANK GUELCHER, Brooklyn, N. Y. Filed Mar. 14, 1925. Serial No. 15,614. 7 Claims. (Cl. 123—148.)



1. An ignition system comprising the combination with a set of spark plugs, of two distributors, means for separately connecting each distributor to the set of spark plugs, at least one source of electrical energy, and manually operable means for selectively connecting the distributors so as to receive electrical energy.

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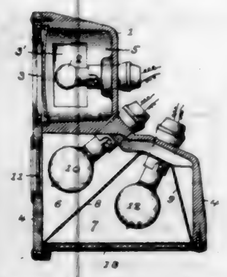
**1,559,249. REAR SIGNAL LIGHT FOR MOTOR VEHICLES.** WENDELL WOODS HALL, Chicago, Ill. Filed July 2, 1925. Serial No. 40,990. 4 Claims. (Cl. 40—132.)



1. In a rear signal device for motor vehicles, an enclosing shell the lower portion of which is divided into an upper and a lower sub-chamber by an inclined partition extending the transverse width of said shell portion, the upper sub-chamber having an opening in its rear wall and a signal lamp in its interior, the lower sub-chamber having an opening in its bottom wall coextensive with the area of said sub-chamber and a signal lamp in its interior.

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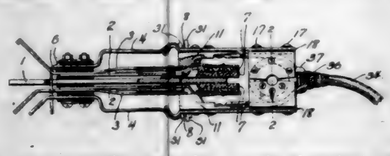
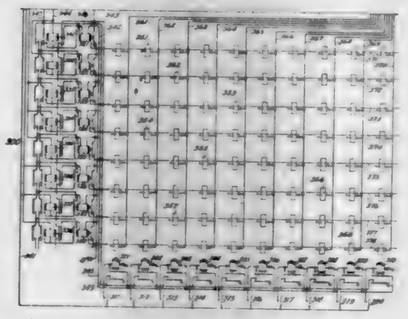
**1,559,250. ELECTRICAL PLUG SWITCH.** LEON N. HAMPTON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 21, 1920. Serial No. 432,252. 5 Claims. (Cl. 173—324.)



1. In an electrical test plug, a pair of contact arms, each having a flat length and bent at one end to conform to the configuration of a distributing frame spring; and a contact member insulatingly supported on the inner side of a portion of the flat length of each said arm, and provided with a stepped contacting surface.



**1,559,251. PRIVATE-BRANCH EXCHANGE SENDER CIRCUIT.** ROBERT W. HARPER, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 13, 1924. Serial No. 719,711. 20 Claims. (Cl. 179—27.)



7. In a telephone system, an impulse transmitter including a key adapted for successive actuation to set up the same digit a plurality of times and a registering mechanism of the cross-bar switch type for registering the digits set up.

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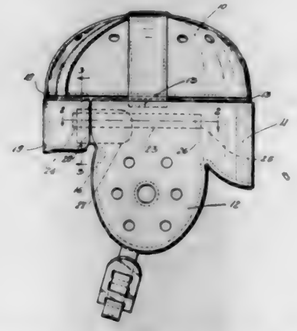
**1,559,252. FOOTBALL HELMET.** THOMAS J. HARTMAN, Chicago, Ill. Filed June 1, 1922. Serial No. 565,024. 2 Claims. (Cl. 2—3.)



1. A football helmet comprising armored sections adjustably connected together, each of which consists of an inner layer of padding and an outer layer of armor; and a tongue of armor material secured between the layers of one of said sections, said tongue slidably projecting between the layers of the other of said sections and effectively covering the interstices between said sections, the stitching for holding said layers together being interrupted to form a passageway for said tongue.

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**1,559,253. TROUSERS.** NATHAN HENRY, Chicago, Ill. Filed Aug. 23, 1924. Serial No. 733,756. 2 Claims. (Cl. 2—237.)

1. A trousers having a waist-band with seams at the rear quarter points and a lining across the inside of said seams, a pair of belt members of flexible fabric similar to the material of the trousers, each member having one end stitched into one of said seams at the quarter point rearward of the hip and extending forward therefrom, a pair of loop members at the front of the trousers through which said belt members pass, and

means for holding the free ends of said belt members adjustably in position.

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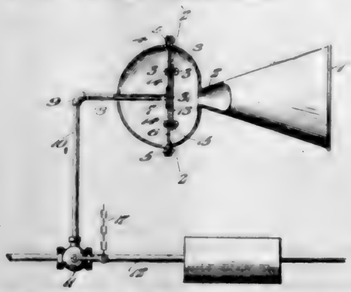
**1,559,254. AUTOMOBILE HORN.** ALVIN EVANS KEPHART, Ebensburg, Pa. Filed Mar. 27, 1925. Serial No. 18,660. 4 Claims. (Cl. 116—142.)



2. In a device of the character stated the combination of a horn, a closed compartment in communication with said horn, a fixed plate arranged within said compartment, an oscillatory disc arranged for movement toward and away from said fixed plate and normally displaceable under the influence of atmospheric pressure, bolts provided with sleeves carried by the fixed plate and upon which sleeves said oscillatory plate is movable, and a pipe extending into the said compartment and connected with the fixed plate for conveying a medium under pressure for displacing said oscillatory disc.

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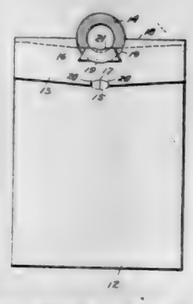
**1,559,255. CARRY BAG.** CHARLES P. KLEEBAUER, Cohoes, and ROBERT M. LACKEY, Waterford, N. Y. Filed June 23, 1921. Serial No. 479,768. 4 Claims. (Cl. 229—68.)



1. A carry bag having a back and front united to form an end opening receptacle, said front having an extended flap for closing the end of said receptacle; a

reinforcing strip permanently attached to said flap to form a stiffened area therein; a handle portion partially severed from said flap and reinforcing strip, to extend from the end edge of said front when said flap is folded in service relation; means for holding said flap in service relation, said means embodying the body of the flap surrounding the opening formed by severing said handle portion, a portion of said back having lateral extensions for engaging the material surrounding said opening, and a detent on said back engaging said flap in service relation to prevent the separation thereof from contact with said back.

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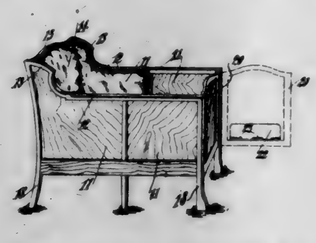
1,559,256. WAITING BOOTH FOR STORES. BENJAMIN W. KLEIN, Mount Vernon, N. Y. Filed Feb. 27, 1923. Serial No. 621,568. 2 Claims. (Cl. 155—1.)



1. A waiting booth for stores consisting of an enclosure providing a seat, a back for said seat, sidewalls extending upwardly from and forwardly of, said seat, a movable closure for the forward end of said booth, a foot rest mounted upon said closure and a foldable screen mounted upon said sidewalls at the rear end thereof, the rear ends of said sidewalls, and back of said seat, being extended above the height of the main portion of said sidewalls.

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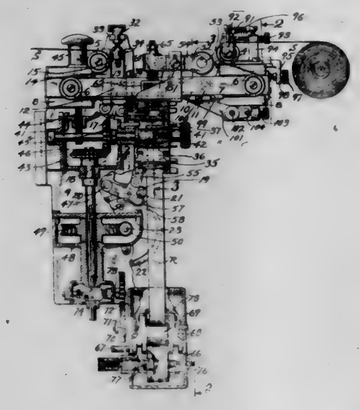
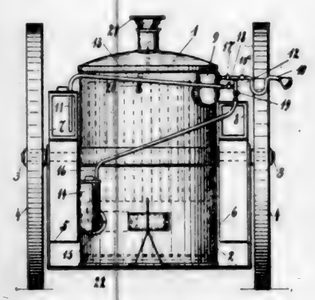
1,559,257. TIP-APPLYING MACHINE. MAXIMILIAN KLEIN, North Plainfield, N. J., and JOHN A. STEIN, New York, N. Y., assignors to American Machine and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 6, 1924. Serial No. 736,247. 27 Claims. (Cl. 131—39.)



1. A machine for applying tips to a constantly traveling strip, comprising mechanism for intermittently arresting minor parts of said strip, and mechanism for applying tips to the arrested parts.

1,559,258. PORTABLE SPRAYER FOR DESTROYING VERMIN ON PLANTS. FRIEDRICH KLUSMEYER, Aplerbeck, Germany. Filed Apr. 29, 1924. Serial No. 709,938. 1 Claim. (Cl. 299—84.)



In a portable sprayer for destroying vermin on plants; the combination with a steam boiler having a furnace, a rose pipe issuing from the top of said steam boiler, and a poison container in communication with said rose pipe; of a separate detachable knee-shaped sulphur receiver inserted with its lower part in the furnace of said boiler and at its upper part in communication with said rose pipe, and shut-off cocks to connect either the poison container or the sulphur receiver with said rose pipe substantially as set forth.

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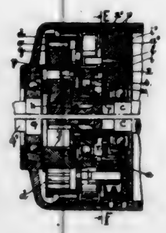
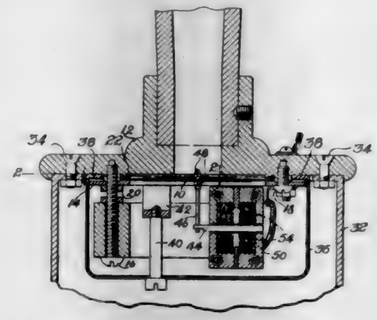
1,559,259. CENTRIFUGAL FRICTION COUPLING FOR STARTERS FOR INTERNAL-COMBUSTION ENGINES. KARL KNAPP, Halle-on-the-Saale, Germany. Filed Jan. 27, 1923. Serial No. 615,393. 3 Claims. (Cl. 74—34.)



1. A centrifugal friction coupling for the starters for internal combustion engines comprising in combination with the shaft of the internal combustion engine and with an epicyclic gear comprising an inner hollow wheel, a pinion on said shaft of the dynamo, a friction crown having wedge shaped grooves and meshing with said pinion, hinge bolts fixed in the inner hollow wheel of said epicyclic gear, centrifugal masses pivoted on said hinge bolts so that they extend forward the same in the direction of rotation, and wedge-shaped friction ribs on the circumference of said centrifugal masses designed to engage at low number of revolutions with said wedge shaped grooves of the friction crown and drive the same by pushing.



1,559,260. MOUNTING FOR SHEETLIKE ARTICLES. FREDERIC S. KOCHENDORFER, River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 19, 1923. Serial No. 646,447. 11 Claims. (Cl. 181—31.)



1. A mounting for a sheet-like article comprising a resilient member, a mounting member having a pocket to allow therein displacement of the resilient member, and means for causing a relative movement of the mounting member and the article to displace the resilient member and tauten the article.

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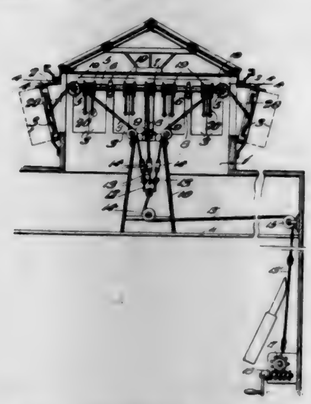
1,559,261. SKYLIGHT. ARTHUR R. KONSALIK, Philadelphia, Pa. Filed Aug. 7, 1925. Serial No. 48,705. 4 Claims. (Cl. 108—16.)



1. A skylight construction of the character stated, comprising a supporting structure outwardly opening, laterally movable cover sections for said structure, a freely rotatable shaft paralleling said structure, a drum fixed to said shaft, a cable connecting said drum and cover sections, and means operatively connected with said shaft for the release thereof to permit automatic opening of said cover sections.

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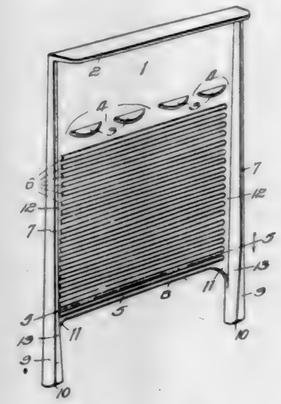
1,559,262. WASHBOARD. CARL A. KUMMERMEHR and JACOB SCHILLING, Belleville, Ill. Filed Apr. 17, 1922. Serial No. 553,588. 1 Claim. (Cl. 68—29.)

In a wash-board structure, a top section, a plurality of spaced flat semi-circular soap rests for said section, a rubbing section, drain sections to the sides of the rubbing section, said drain sections having their walls each provided with an inclined upper face for gradually deepening the drain sections from their upper ends toward their discharge ends, said walls terminating in supporting legs having their upper faces in a plane with the upper faces of said walls, said legs having their inner faces inclined for gradually widening the lower ends thereof and reinforcing sections uniting the lower corners of the rubbing section with the inclined inner faces of the supporting legs.



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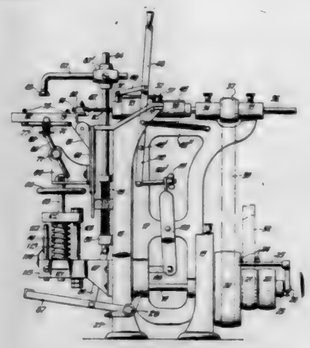
1,559,263. BORING MACHINE. ERNEST GEORGE LACEY, Richmond, Victoria, Australia. Filed Sept. 3, 1924. Serial No. 735,576. 17 Claims. (Cl. 144—103.)



8. In a boring machine the combination of, a main frame, a transversely movable member on the main frame, a bit carrying spindle rotatively and reciprocatingly mounted on the transversely movable member, a bracket adapted to slide vertically in guides on the front of the main frame, a work table supported on the upper part of the bracket, a screwed rod having its upper end revolubly secured to the reciprocable bracket on the front of the main frame, a sleeve having a screw engagement with the said rod and having its lower end adapted to reciprocate in a hole formed in a bracket fitted to the front of the main frame, a compression spring surrounding the sleeve and adapted to exert an upward pressure thereon, a flange on the upper end of the said sleeve, a rod having its upper end fitted to the rear part of the flange and its lower end adapted to

reciprocate in a hole in the said bracket, an adjustable stop pin mounted on the opposite side of the said screwed rod and adapted to limit the downward movement of the same, a reduced lower end or shoulder on the rod fitted to the flange on the rear of the sleeve, adjustment nuts on the lower end of the reduced portion of the rod adapted to limit the upward movement of the said sleeve, a bolt adapted to engage a shoulder on the rod and to prevent any downward movement of the sleeve and table, a spring acting on the bolt to maintain it in its locked position, and adjustable connections between the said bolt and a lever for operating the drill carrying spindle or sleeve surrounding the front end of the same whereby after a hole has been bored and the said spindle is moved in a rearward direction the bolt will be released and the sleeve together with the brackets and table will be allowed to move downwardly to place the work in position for boring a hole at a higher elevation.

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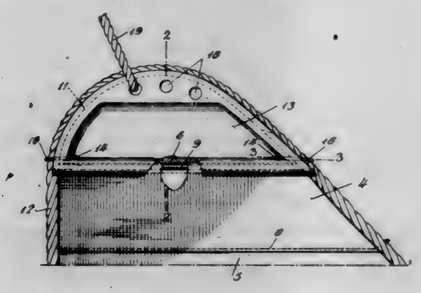
1,559,264. HEADPIECE FOR SAILS. LOUIS J. LARSEN, Long Island City, N. Y. Filed Feb. 4, 1925. Serial No. 6,677. 13 Claims. (Cl. 114—115.)



2. A head piece for sails formed from a single piece of material and including a body having a channel formed along one edge thereof and capable of receiving a portion of a sail, and a rod insertable into said channel and engageable with said portion for preventing detachment of said sail from said body.

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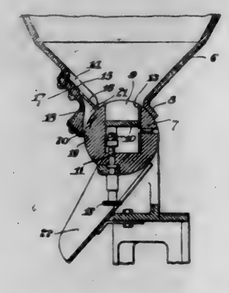
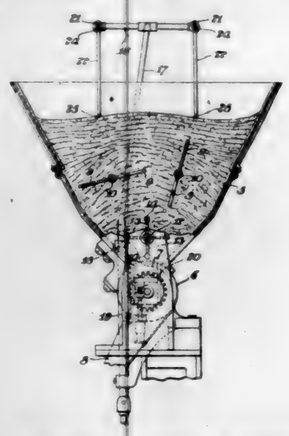
1,559,265. CIGAR BUNCHING. BERNARD LIBERMAN, Philadelphia, Pa. Filed Nov. 16, 1921. Serial No. 515,446. 9 Claims. (Cl. 131—39.)



1. In the art of bunching, the method of separating measured charges of scrap tobacco from a supply, which consists in pressing evenly into a normal plane, the exposed surface of the measured charge which projects above said normal plane, and then severing the body of the charge from the supply.

1,559,266. CIGAR BUNCHING. BERNARD LIBERMAN, Philadelphia, Pa. Filed Apr. 8, 1922. Serial No. 550,666. 5 Claims. (Cl. 131—39.)



3. In a scrap bunching machine, the combination of a measuring element, a supply hopper for delivering scrap thereto, rotating agitators positioned near the middle part of the hopper, and a rotating agitator near the discharge of the hopper having horizontal rods, operating to press the charge into the measuring element.

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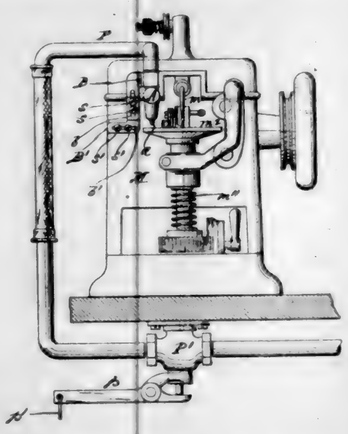
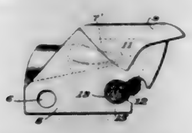
1,559,267. FUR-SEAMING MACHINE. ISIDORE LIPSCHITZ, Brooklyn, N. Y. Filed June 6, 1925. Serial No. 35,359. 2 Claims. (Cl. 112—149.)



1. In a fur sewing machine of the character designated, the combination with the feed discs and sewing mechanism, of an air jet nozzle positioned in the line of feed in advance of the stitching point to direct a jet of air between the layers of the fur passing between the feed discs to inturn the hairs on the opposed edges of the fur preceding their subjection to the stitching operation, and means for effecting the adjustment of said air jet both horizontally and vertically as related to the feed discs and seam, substantially in the manner and for the purpose set forth.



1,559,268. AUTOMATICALLY-THREADING SHUTTLE. HENRY D. MARTIN, Griffin, Ga., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 8, 1925. Serial No. 42,122. 6 Claims. (Cl. 139—220.)



1. In an automatically threading loom shuttle, the combination of a threading block having a longitudinally extending thread passage, a bridge over which the thread passes to the side delivery eye, and a thread tension pad extending transversely of a thread passage frontward of and a substantial distance below the bridge to engage and tension the thread as it is deflected downwardly from the bridge towards the side delivery eye.

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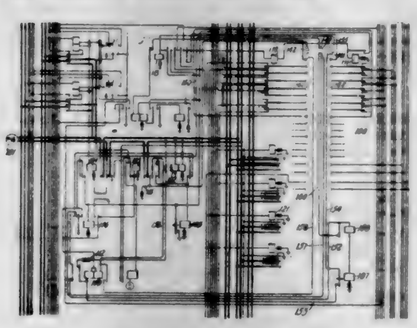
1,559,269. TELEPHONE-EXCHANGE SYSTEM. WILLIAM H. MATTHIAS, Hackensack, and WALTER P. ALBERT, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 30, 1923. Serial No. 677,834. 8 Claims. (Cl. 179—27.)



1. In a telephone system, telephone lines, a plurality of connecting means each individual to a different pair of said lines, registering mechanism comprising switch and relay recording devices, and means responsive to the joint setting of said switch and relay recording devices for operating one of said connecting means to interconnect the corresponding telephone lines.

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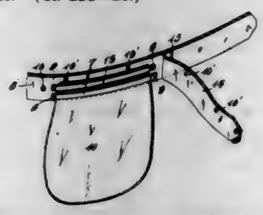
1,559,270. BATHER'S PURSE. HARRY MILLER, Cleveland, Ohio. Filed Feb. 27, 1925. Serial No. 12,013. 2 Claims. (Cl. 224—26.)



1. An article of the character described comprising, a belt, a relatively narrow elastic flap secured at opposite ends to the belt and extending longitudinally thereof, a pocket of water proof material having an open upper end, said pocket being secured to the belt adjacent the upper open end, the portion between the point of attachment to the belt and the open end being foldable beneath the elastic flap, and a relatively large elastic cover flap arrangeable over the narrow flap and upper portion of said pocket.

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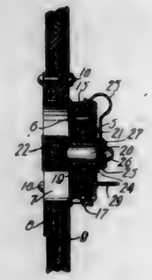
1,559,271. RHEOSTAT. PERCY E. MILLS, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 29, 1922. Serial No. 603,937. 5 Claims. (Cl. 201—55.)



1. A rheostat comprising a block having a notch therein, a resistance coil on said block, and means acting in said notch to draw the ends of said coil together.

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1,559,272. TOOL OR APPARATUS FOR BENDING METAL FABRIC. EDWARD MARTIN MONAGHAN and RICHARD RIGBY, Liverpool, England, assignors to The British Reinforced Concrete Engineering Company Limited, Manchester, England. Filed June 6, 1922. Serial No. 566,259. 5 Claims. (Cl. 81—15.)

1. Apparatus for bending metal fabric comprising a handle an adjustable plate on said handle, the rear edge of which is adapted to engage and bend a plurality of strands of the fabric and means on said handle forward of the said adjustable plate, to engage the opposite side of the fabric, as set forth.

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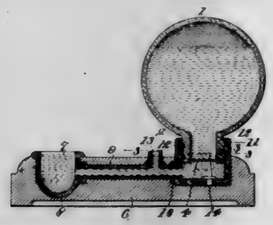
1,559,273. OUTLET-BOX STRUCTURE. JOSEPH MORGENSTERN and JOSEPH G. RAQUETTE, Cleveland, Ohio; said Morgenstern assignor to The Silver and Morgenstern Electric Company, Cleveland, Ohio. Filed Sept. 11, 1922. Serial No. 587,538. 5 Claims. (Cl. 247—22.)

1. In combination, a chambered outlet box provided with a stud portion within the chamber thereof and having an opening, said outlet box being also provided with a wall portion having opposed openings in alignment with the opening in said stud portion and a supporting bar extending through all of said openings.

1,559,274. RESERVOIR INKWELL. BERT M. MORRIS, San Francisco, Calif. Filed Mar. 16, 1925. Serial No. 15,739. 1 Claim. (Cl. 120—59.)

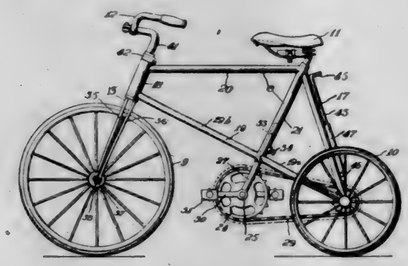


A reservoir ink well including a base having a coupling member, a well spaced from the coupling member and a passage affording communication between the coupling member and well, a puncturing member positioned in the coupling member and extending vertically thereof, and a container having a penetrable sealing member, the puncturing member in the coupling being off center of the sealing member whereby upon rotation of the container in the act of connecting the same to the coupling member an arcuate cut will be made in the sealing member.

1,559,275. MANUFACTURE OF ARTICLES FROM HIGHLY REFRACTORY MATERIALS AND ARTICLES FORMED. STEPHEN A. MYLER, deceased, late of Millbrook, N. Y., by Catherine Myler, Glen Cove, N. Y., administratrix, assignor to Stephen Wisey, Glen Cove, N. Y. Filed Oct. 7, 1924. Serial No. 742,265. 3 Claims. (Cl. 25—156.)

3. The method of manufacturing a refractory article, comprising mixing graphite and pulverized soft coal together with petroleum oil until it becomes putty-like, shaping the mixture in a mould and subjecting it to heat until the oil is dried therefrom, dipping the shaped article in tar, and then completely carbonizing the article.

1,559,276. VELOCIPEDE. JOHN H. NELSON, Chicago, Ill. Filed Mar. 26, 1923. Serial No. 627,540. 10 Claims. (Cl. 208—113.)

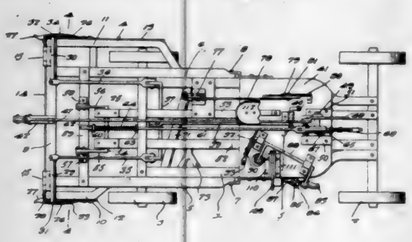


1. A tricycle having, in combination, a frame having front and rear supporting wheels, and propelling means independent of the front wheel and operatively connected with one of the rear supporting wheels, said propelling means including a crank shaft, and said frame including a tubular upwardly and rearwardly extending member open at its lower end, a fork having a shank secured in the lower end of said frame member and having journal bearings in its lower free ends in which said shaft is mounted, and pedal-carrying crank arms fast upon said shaft.

1,559,277. WHEEL-SUPPORTING FORK FOR BICYCLES AND THE LIKE. JOHN H. NELSON, Chicago, Ill. Filed Apr. 20, 1923. Serial No. 633,417. 8 Claims. (Cl. 208—96.)

1. A wheel carrying fork comprising a shank, and a bifurcated lower portion having U-shaped members disposed one in front of the other with their corresponding lower ends integral and their upper ends bowed and rigidly secured upon opposite sides of said shank.

1,559,278. STREET-SWEEPING MACHINE. JOHN M. NEUERT, Indianapolis, Ind. Filed Oct. 20, 1924. Serial No. 744,707. 3 Claims. (Cl. 15—78.)



1. A street sweeping machine comprising a wheeled main frame, an auxiliary frame hingedly supported on the rear of the main frame, means carried by the auxiliary frame for gathering refuse, said means including side brushes and a rear brush hingedly supported at its upper edge to the rear end of the auxiliary frame, means for raising the rear brush into an inoperative position whereby the refuse collected by the brushes its left in a pile, and means for normally locking the rear brush into cooperative relation with the side brushes.

1,559,279. SEPARABLE FASTENER. WALTER H. PIERCE, Watertown, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Nov. 18, 1922. Serial No. 601,816. 1 Claim. (Cl. 24—208.)

A fastener comprising, in combination, a fastener part having a closed end tubular rivet projecting from one side thereof and a securing part presenting a cap or anvil portion and a cutting and clenching portion, said fastener part presenting adjacent the fabric a surface approximating in overall dimensions the over-all dimensions



of said cap, said cap flanged beneath said cutting and clenching portion and presenting fabric-receiving spaces above and below the latter, said parts organized and operating when pressed together during assembly to fill the fabric-receiving spaces above said cutting and clenching part solid full of detached fabric deformed under great

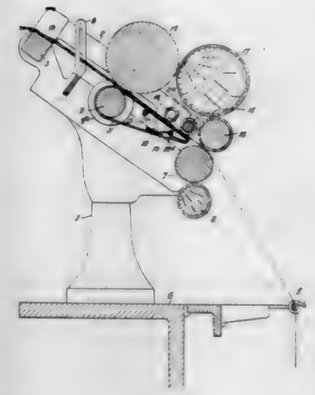
pressure and to grip the main portion of the carrying fabric under great pressure between said flange and the adjacent surface of said fastener part while providing in the space below said cutting and clenching part for the reception of a substantial area of the carrying fabric under substantially less pressure.

1,559,280. ELECTRON-DISCHARGE DEVICE. VICTOR L. RONCI, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 23, 1923. Serial No. 627,106. 2 Claims. (Cl. 250—27.)

1. In an electron discharge device, an evacuated vessel, an insulating member having an aperture, a threaded metallic member extending through said aperture, and a helix of highly refractory metal having its turns engaging the threads on said metallic member, said helix having one end abutting said insulating member.

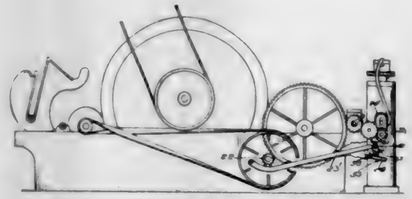
1,559,281. DRAWING MECHANISM FOR RING-SPINNING FRAMES AND THE LIKE. JAMES LEVER RUSHTON, Bolton, England. Filed May 10, 1924. Serial No. 712,205. 4 Claims. (Cl. 19—131.)

1. The process for obtaining a high draft of the yarn in ring spinning frames, draw frames and the like, which consists in passing the roving between a tightly-stretched endless belt and a weighted roller, then between a hollow roller and said endless belt then between a covered roller and said belt and finally between a fluted roller and a second covered roller, the arrangement being such that the hollow middle roller and the first



covered roller each control fibres of different lengths, the final draft being effected by the fluted roller and the second covered roller substantially as herein set forth.

1,559,282. STOP MOTION FOR CARDING MACHINES. JOHN B. SANTOS, New Bedford, Mass., assignor of one-half to William Martin, New Bedford, Mass. Filed Jan. 6, 1923. Serial No. 611,098. 10 Claims. (Cl. 19—167.)

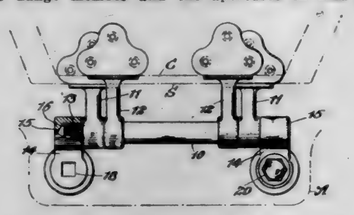


8. In combination with a carding machine provided with a lever that is associated with a gear that constitutes an element of the drive for the doffer roll and a hand lever that engages with the first mentioned lever of a spring actuated slidable bar provided with a lateral projecting portion for contact with the hand lever, a support for the slidable bar, a catch, a link and a lever carried by the support, a projection connected to the slidable bar for engagement with the catch to hold the slidable bar against upward movement, a rod connected to the link and to a lever, and means for actuating the lever controlled by downward movement of the top calendar roll beyond its normal operative position.

1,559,283. COVER-ATTACHING MEANS. CHRISTIAN C. SCHLEGEL, Long Island City, N. Y. Filed Apr. 21, 1925. Serial No. 24,715. 6 Claims. (Cl. 4—236.)

1. In combination with a closet hopper seat hinge construction comprising a pintle member carrying pivotally mounted hinge members and having vertically

apertured lug members on the ends thereof, bolt members adapted to be inserted upwardly through the closet hopper flange member and the apertures in said lugs,



and nuts on the upper ends of said bolt members above said lugs for securing the hinge members in position on the closet hopper.

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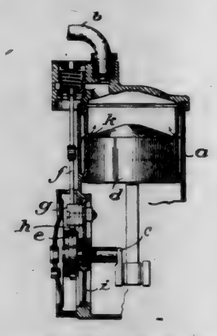
1,559,284. APPARATUS FOR PRODUCING PULSATING AIR PRESSURE. RICHARD KARL SCHMID and WALTER PAUL WEZEL, Stuttgart, Germany. Filed June 25, 1924. Serial No. 722,404. 2 Claims. (Cl. 230—32.)



1. In an apparatus for producing pulsating air pressure, in combination, a cylinder, a valve, a piston moving in the said cylinder, means for driving the said piston and the valve, the cylinder being provided with slots for admitting air to the cylinder by suction, the compressed air leaving the cylinder through the said valve.

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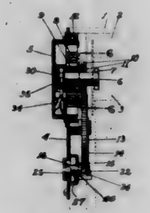
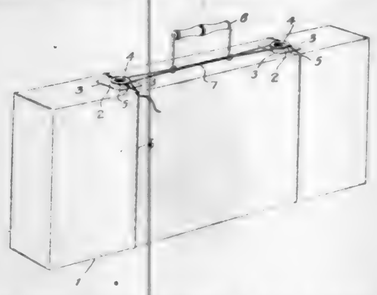
1,559,285. CAMERA. BENJAMIN F. SCHMIDT, Los Angeles, Calif. Filed Sept. 26, 1921. Serial No. 503,178. 18 Claims. (Cl. 95—31.)



1. In a film-roll camera having a shutter actuating means, a member movable with said means, locking means for holding said member from return movement when the shutter actuating means is operated, automatic means for rotating the film spool, hand means for controlling the operation of the automatic means, and means whereby only after the rotation of the spool a sufficient number of revolutions to completely wind the exposed film thereon will the member be released.

1,559,286. MEANS FOR CARRYING CARDBOARD BOXES. DAVID J. SEAMAN and CHARLES F. SOMMERS, Saginaw, Mich. Filed June 14, 1924. Serial No. 719,976. 1 Claim. (Cl. 224—56.)



Box-carrying means comprising a pair of plates designed to be applied in spaced relation to the outside of a box, each plate having tangs adapted to be bent over in the box wall and being further formed with an outturned flange raised above its upper surface from material removed from a central opening, the two plates on a box adapted to cooperate with a cord substantially as set forth.

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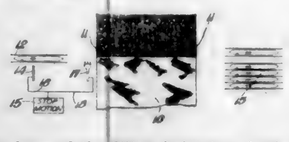
1,559,287. DROP-BOX LOOM. JOHN C. SHAMBOW, Woonsocket, R. I., assignor to Shambow Shuttle Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed Oct. 7, 1924. Serial No. 742,172. 6 Claims. (Cl. 139—371.)



1. A box loom of the filling feeler type having, in combination, a lay having a single box on one end and a drop box on the other end, a feeler on the single box side of the loom, a stop motion, connections between the stop motion and the feeler, shuttles for the boxes, each provided with a feeler hole and a yarn delivery eye located in the end of the shuttle nearer to the selvage when boxed on the drop box side of the loom.

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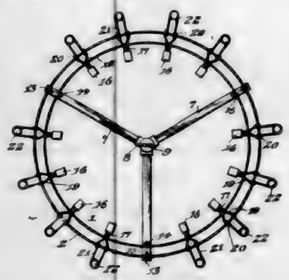
1,559,288. HOLDER. GEORGE R. SHEALY and JOHN K. DERRICK, Little Mountain, S. C. Filed Apr. 9, 1925. Serial No. 21,913. 2 Claims. (Cl. 211—14.)



1. A holder comprising a body portion formed of an inner and an outer section, spacing blocks arranged between said sections, hangers having their lower ends arranged between said outer section and said spacing



blocks, means for securing the lower ends of said hangers, said blocks and said sections together, and a series of radially disposed counter-balanced supports hinged to said outer section, each of said supports seating on and projecting inwardly from said inner section and having its outer end provided with a clamp for detachably connecting the article thereto.

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1,559,289. COATING COMPOUND, MOLD, AND METHOD OF PREPARING MOLDS AND SURFACES INVOLVED IN MOLDING OPERATIONS. ROBERT L. SIBLEY, Roselle Park, N. J., assignor to Standard Development Company, a Corporation of Delaware. Filed Oct. 10, 1923. Serial No. 667,693. 10 Claims. (Cl. 18—53.)

1. The method of preparing vulcanizing molds, which comprises spraying the molding surfaces with a dilute aqueous solution of sodium sulfonate.

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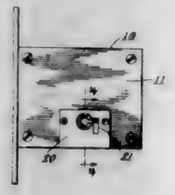
1,559,290. LOCK. BENJAMIN SIMONOVITS and JACOB FISCHER, New York, N. Y. Filed Jan. 17, 1924. Serial No. 686,727. 3 Claims. (Cl. 70—14.)



3. A lock provided with a plurality of key holes each of different contour and each capable of successively receiving an articulated key bit, means in one key hole to properly shape the key as the same is rotated therein, and means in the other key hole to rigidly maintain said key in such shape as it is turned to operate the lock.

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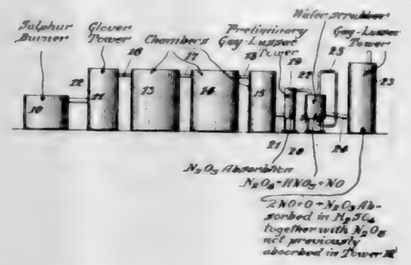
1,559,291. BELT. FREDERICK C. SIMMONS, Highland Park, Pa., assignor to Pioneer Suspender Company, a Corporation of Pennsylvania. Filed June 17, 1924. Serial No. 720,532. 2 Claims. (Cl. 241—8.)

1. The combination of a belt having a bent over end to form the buckle engaging loop, fastening devices for securing said bent over end to the main body of the belt, retaining loops for the other end of the belt which projects through the buckle, means for securing said retaining loops loosely to the main body of the belt, comprising a flexible strip secured to the belt by elements of said fastening devices, one retaining loop secured between said strip and belt and between said fastening elements, said flexible strip having a substantial extension beyond a fastening element and having a folded over part, the layers of which are secured together at a distance from the bend corresponding approximately with the width of the retaining loop to form a pocket for securing and maintaining the other retaining loop at the extreme end of the said folded portion.



1,559,292. METHOD OF MANUFACTURING SULPHURIC ACID. JEAN V. SKOGLUND, New York, N. Y. Filed Mar. 25, 1924. Serial No. 701,839. 11 Claims. (Cl. 23—161.)




1. In the manufacture of sulphuric acid using nitrous gases, the method of recovering nitrous gases consisting in treating the gases with water and then absorbing the residual gases with sulphuric acid.

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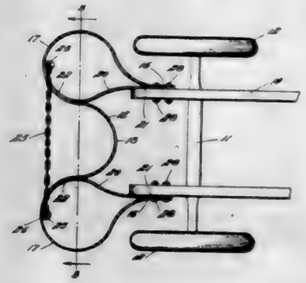
1,559,293. AUTOMOBILE BUMPER. SHEFFIELD SMITH, North Providence, R. I. Filed Apr. 9, 1925. Serial No. 21,758. 6 Claims. (Cl. 293—55.)



1. In a bumper for automobiles, an impact member comprising forwardly directed loops, and curved resilient arms rigid with the rear ends of the loops engaging forward portions of the loops, the lateral convexity of the loops being in a direction opposite to the direction of the lateral convexity of the arms.

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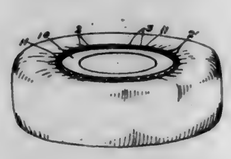
1,559,294. INK PAD. PHILMORE F. SPERY, Chicago, Ill., assignor to Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 1, 1920. Serial No. 414,045. 6 Claims. (Cl. 91—54.5.)

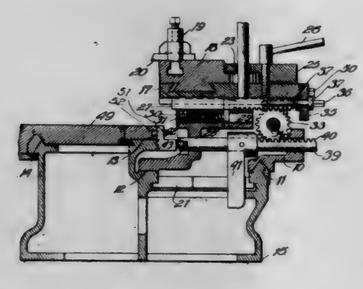
1. An inking pad comprising a plurality of sections connected together along their edges to fold together in optional superposed relations for selectively exposing the opposite faces of the various sections.

1,559,295. FREQUENCY CONVERTER. HUGH M. STOLLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 20, 1916. Serial No. 121,171. 9 Claims. (Cl. 172—281.)



5. A static frequency converter comprising a primary winding excited by current of a given frequency for producing a rotating non-uniform magnetic field, and a secondary winding associated with said primary winding wound in sucessively opposed portions whereby an electromotive force of a frequency other than that used in exciting the primary is induced therein by said rotating field.

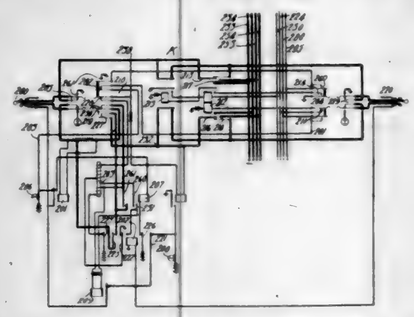
1,559,296. REAR TOOL. GUSTAF DAVID SUNDSTRAND, Rockford, Ill., assignor to Rockford Tool Company, Rockford, Ill., a Corporation of Illinois. Filed Apr. 30, 1919. Serial No. 293,868. 8 Claims. (Cl. 82—25.)



1. In a lathe, in combination, a rear tool carriage, a rear tool on said carriage, a front tool carriage movable past said rear tool carriage, a member movably mounted in said rear tool carriage, a member on said front tool carriage engaging said movably mounted member, an operative connection between said rear tool and said movably mounted member, whereby motion of said front cariage past said rear carriage will automatically actuate said rear tool, and additional independent means for adjusting the position of said rear tool both longitudinally and transversely with respect to its carriage.

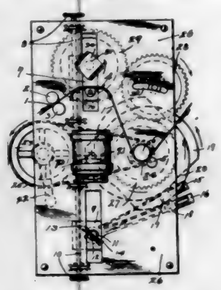
1,559,297. TELEPHONE SYSTEM. WALTER P. ALBERT, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 26, 1923. Serial No. 670,820. 15 Claims. (Cl. 179—27.)

1. In a telephone system, a plurality of cord circuits, a dialing circuit common to said cord circuits, an operator's telephone set, a key for each of said cord circuits, a relay controlled by one of said keys for connecting said set and said dialing circuit to a corresponding cord circuit, and means controlled by the operation of said relay



for rendering a corresponding relay in another of said cord circuits inoperative to connect said set and said dialing circuit with another of said cord circuits.

1,559,298. MOTION-PICTURE MACHINE. CHRISTIAN ANDERSEN, Portland, Oreg. Filed Sept. 17, 1920. Serial No. 410,864. 9 Claims. (Cl. 88—16.8.)



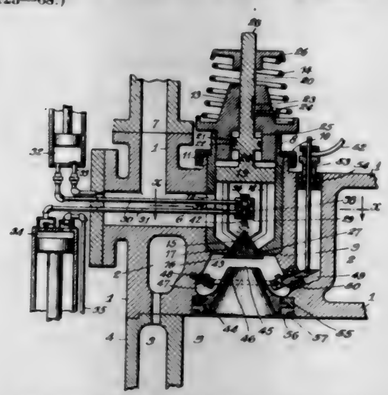
1. A motion picture machine of the character described comprising means for guiding and continuously moving a film, a plurality of reflectors, means for moving the reflectors in synchronism with the film, means for regulating the speed of the movement of the reflectors, means for controlling the distance between the film and the reflectors, and an objective lens adjustably mounted with reference to the film.

1,559,299. GOLF CLUB. LOUIS V. BARACH, Pittsburgh, Pa. Filed Nov. 3, 1924. Serial No. 747,506. 2 Claims. (Cl. 273—77.)

2. In combination, a golf club comprising a shaft provided with a shank at its lower end, a head consisting of a metallic body portion formed with a threaded socket adapted for engaging the shank of said shaft for securing the later to said head, a club member formed with a pocket mounted in said body portion, said body portion formed with a tongue extending into said pocket and with a lip overlapping the top of said club member, means extending through said lip and said club member and threadably engaging said tongue for securing the said club member in the mounted position, the front end of said body portion provided with a toe secured to the said club member substantially as described and for the purpose set forth.

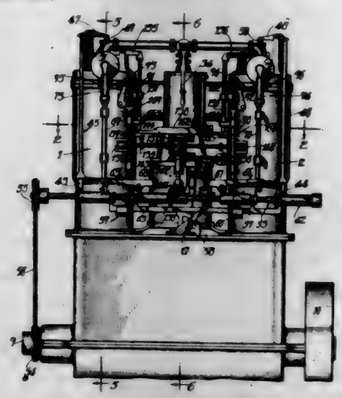


1,559,300. INTERNAL-COMBUSTION ENGINE. JOHN H. BARNARD, Brooklyn, N. Y., assignor of one-fourth to Henry Noble Fletcher, Englewood, N. J. Filed June 27, 1923. Serial No. 647,963. 19 Claims. (Cl. 123—68.)



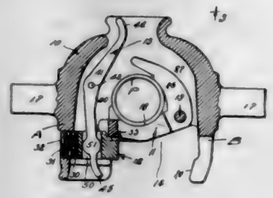
1. An internal combustion engine which comprises a power cylinder, a combustion chamber therefor, external means for compressing air for combustion, and supplying said air to the combustion chamber, a valve for controlling the admission of this air to said combustion chamber, means for spraying liquid fuel into said air in hollow conical form as they enter said combustion chamber.

1,559,301. INTERNAL-COMBUSTION ENGINE. JOHN H. BARNARD, Brooklyn, N. Y., assignor of one-fourth to Henry Noble Fletcher, Englewood, N. J. Filed June 17, 1924. Serial No. 720,572. 26 Claims. (Cl. 123—68.)



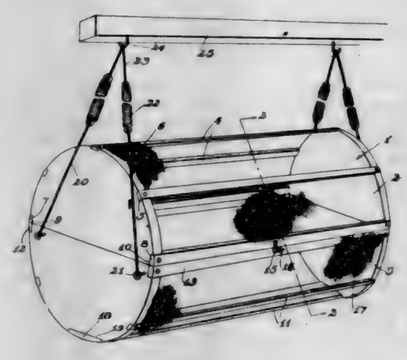
1. In an internal combustion engine which comprises power cylinders and pistons therein, means for supplying air under pressure thereto, control valves for said air and cams for opening said valves the profile of which causes changes in the amount of opening, which changes are proportional to the rate of advance of the power pistons.

1,559,302. ELEVATOR. RAY W. BARRETT and LEO T. KOPPL, Huntington Beach, Calif. Filed Jan. 21, 1925. Serial No. 3,764. 9 Claims. (Cl. 294—91.)



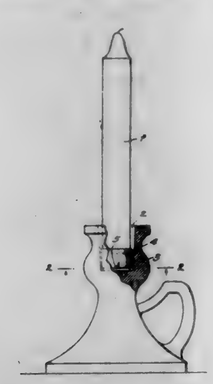
1. An elevator including, a body to receive a pipe, a closure for the body, means for locking the closure, and a single member for actuating the locking means, said member having parts at the front and rear of the body whereby it is operable from the front or rear of the body.

1,559,303. HAMMOCK. SARAH R. BATES, Prairie City, Oreg. Filed June 14, 1924. Serial No. 720,027. 2 Claims. (Cl. 5—97.)



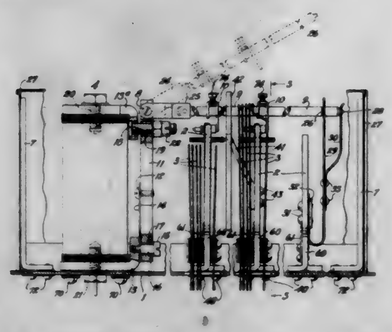
1. A hammock comprising an elongated body having upper and lower sections, each comprising solid end members and the end members of said upper section adapted to rest upon the upper edges of the end members of said lower section and cooperate therewith to provide heads for said body, said heads having recesses leading from their peripheral edge faces and providing seats, certain of said seats being disposed at the ends of meeting edges of the upper and lower head sections and the other seats being spaced circumferentially about the heads, strips extending between said heads and secured in said seats in snug fitting engagement with the walls of the seats, the strips secured in the seats at the ends of the meeting edges of the head sections contacting when the upper section is in a closed position, hinges connecting the contacting strips at one side of the body and cooperating fasteners carried by other contacting strips, a foraminous cover for said body secured to the peripheral faces of said heads and outer faces of said strips, and suspension means connected to the end members of said lower section.

1,559,304. CANDLE RING. EPHRAIM LEWIS BEARSE, Centerville, Mass. Filed Jan. 8, 1925. Serial No. 1,237. 1 Claim. (Cl. 67—23.)



An attachment for candles, which comprises a collar to be placed around the lower end of a candle and fit snugly thereon, the bottom edge of said collar being provided with a plurality of vertical slits, the material of the collar on one side of each slit being bent outwardly to engage in a socket into which the candle is inserted, the material on the opposite side of each slit being bent inwardly to engage with the candle, this construction permitting the collar to hold the candle therein and also to be positively held in the socket.

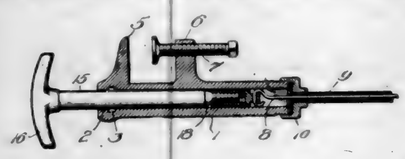
1,559,305. RELAY. WILLIAM O. BECK, Ridgefield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 22, 1924. Serial No. 701,128. 11 Claims. (Cl. 200—104)



1. A multiple switching relay comprising a plurality of contact springs, an electromagnet therefor, a member attached to and cooperating with the armature of said electromagnet, and a plurality of adjustable lugs on said member for controlling said contact springs.

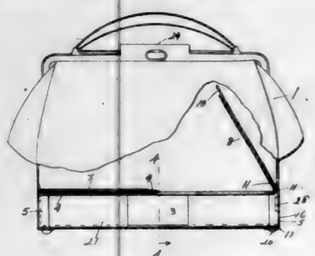
1,559,306. ACTUATING HANDLE FOR A RECIPROCATING MEMBER. HERBERT A. BERKMAN, Chicago, Ill., assignor to Zim Manufacturing Company, a Corporation of Illinois. Filed June 10, 1925. Serial No. 36,213. 4 Claims. (Cl. 24—39.)

1. In combination, a support having a passage therethrough, a handle having a stem extending slidably into said passage from one end of the latter, a member to be reciprocated extending into said opening from the other end, an expansible nut on said member, a screw-threaded



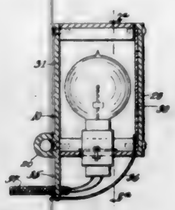
part on said stem adapted to enter said nut, and a wedge member on said stem adapted to enter the nut and expand it.

1,559,307. HAND TRAVELING BAG. ALBERT BERNARDO, Philadelphia, Pa. Filed May 22, 1924. Serial No. 715,050. 2 Claims. (Cl. 190—52.)



1. In a bag of the character described, rigid strips extending around the interior of the bag, posts supporting said strips, two sections hinged to certain of said strips so as to close upon the strips to separate the lower from the upper portion of the interior of the bag, and a receptacle adapted to slide in and out of the lower division.

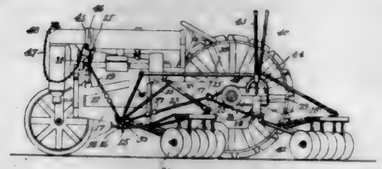
1,559,308. AUTOMOBILE SIGNAL. RAYMOND E. BOYLE, Chicago, Ill. Filed Dec. 10, 1921. Serial No. 521,386. 2 Claims. (Cl. 177—329.)



2. An automobile signalling device comprising a housing having a plurality of spaced side and intermediate walls forming a plurality of chambers; a removable rear wall on said housing, said wall being provided with a signal opening for each chamber; an electric light in each of said chambers for illuminating its respective opening; a forward wall removably mounted on said housing and provided with a downward extension; means for fastening said front and said rear walls in position; a covering plate leading from the bottom of said extension, to said rear wall to be held thereby, and means for retaining the covering plate in place at both the front and the rear of the housing, said extension and plate serving to house connections of said lights with their respective conductors.

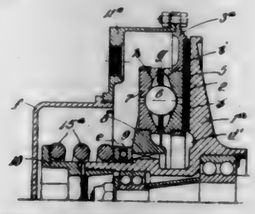


1,559,309. TRACTOR HARROW. JAMES M. BROOKS, Atlanta, Ga. Filed Sept. 22, 1924. Serial No. 739,116. 12 Claims. (Cl. 97—47.)



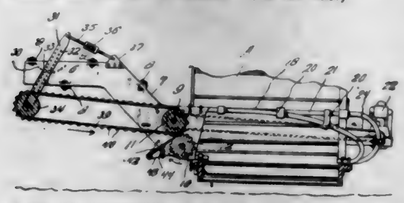
1. A plow attachment for tractors embodying a beam provided with a saddle midway its length, means for detachably clamping this beam up against the crank-case of the tractor, and soil-working means carried by said beam.

1,559,310. ELASTIC-HUB SHOCK ABSORBER. GEORGES BROULHIET, St. Etienne, France. Filed Mar. 21, 1924. Serial No. 700,865. 4 Claims. (Cl. 152—44.)



1. An elastic hub shock absorber for vehicles, comprising in combination with an axle, a hub having a friction surface, a wheel, a drum secured to said wheel coaxial with and displaceable in a radial direction relatively to said hub, a friction piece carried by said drum and in frictional engagement with said friction surface, a disc slidable on the hub enclosed in the drum, a set of seatings mounted on and internally of said drum, a second set of seatings on said disc, the two sets of seatings being oppositely disposed relative to one another, balls enclosed between said sets of seatings, resilient means for pressing said disc against the balls, and means for adjusting the set of the said resilient means, each of said seatings having a depression on its face the curvature of which diminishes the further it is from the axis of the hub.

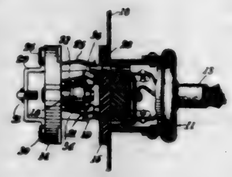
1,559,311. FLAX-GATHERING ATTACHMENT FOR BINDERS. LOTT D. BROWN, CHAUNCEY D. FRENCH, and FRANK MAHOOD, Dallas, Oreg. Filed Feb. 18, 1925. Serial No. 10,063. 7 Claims. (Cl. 55—66.)



1. In an attachment of the class described, a gathering means, an agitated guide shield associated with the gathering means for vibrating the grain gathered thereby to shake dirt from the grain.

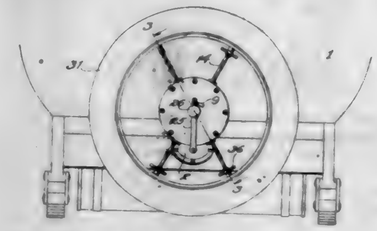
2. In a gathering attachment for binders, a belt having a corrugated outer surface, a corrugated roller associated with the belt, a guide shield hingedly mounted adjacent the corrugated roller, and means for agitating the plate all in the manner and for the purpose specified.

1,559,312. ELECTRIC-SIGNAL RECEPTACLE. JOSEPH O. CADIEUX, Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn., a Corporation of Connecticut. Filed Sept. 13, 1923. Serial No. 662,414. 11 Claims. (Cl. 177—339.)



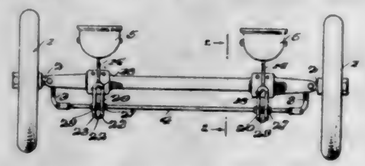
1. A hospital signal system apparatus comprising a member, a plurality of spring contact fingers carried thereby, and a spring pressed short circuiting contact, said member having perforations in line with said contact fingers and at least a portion of said short circuiting contact.

1,559,313. COMBINED HOLDER AND TOOL. JOHN W. COCHRAN, Millinocket, Me. Filed Jan. 21, 1925. Serial No. 3,872. 2 Claims. (Cl. 224—29.)



1. In combination with an automobile, of a combined spare tire carrier and rim expander therefor, comprising a support fixed on the automobile, a casing removably secured on the support, radially disposed arms movable in and projecting outward from the casing, a head block on each arm having a notch to engage the inner periphery of the spare tire carrying rim, rim engaging jaws having elements movable through the respective blocks, means between the jaws and blocks for holding the latter from swinging movement on the former, operating means for imparting a simultaneous longitudinal movement to the arms, actuating means for said operating means, and means for housing and locking the actuating means in inoperative position.

1,559,314. OPERATING MECHANISM FOR DIRIGIBLE HEADLIGHTS. GUSTAVE COOK, Gillett, Wis. Filed Mar. 17, 1925. Serial No. 16,234. 1 Claim. (Cl. 240—62.)



A motion transmitting mechanism for connecting a cross connecting rod of the steering mechanism of an automobile with a rotatably supported vertical headlight standard, said mechanism comprising a link having a pair of substantially parallel furcation, a horizontal pivot element attaching one end portion of said link

to the lower end portion of the standard, an upstanding stop lug on said one end portion of the link engaging with said standard to hold said link substantially horizontal, a clamp secured to said cross connecting rod, a vertical post carried by said clamp in position to extend between said furcations, a cap secured to the outer ends of said furcations in position to close the space between the outer ends of said furcations, a roller on each of said furcations, and a roller on said post in position to contact with the rollers on said furcations.

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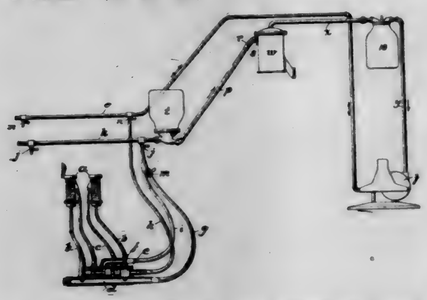
1,559,315. MILKING MACHINE. NORMAN J. DAYSH, New York, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 6, 1924. Serial No. 697,214. 8 Claims. (Cl. 31—58.)



1. In a milking machine, the combination with a milk pipe line and cocks therein adapted for connection with teat cups, a releaser connected with the milk pipe line, a source of suction, and an air pipe between the source of suction and the releaser; of means insuring against the passage of liquid to the source of suction, said means comprising a contrivance interposed in the milk pipe line and adapted to prevent abnormal flow of liquid to the releaser and a contrivance interposed in the air pipe adapted, upon the escape of a predetermined volume of liquid from the releaser into said pipe, to cut off the suction in said air pipe.

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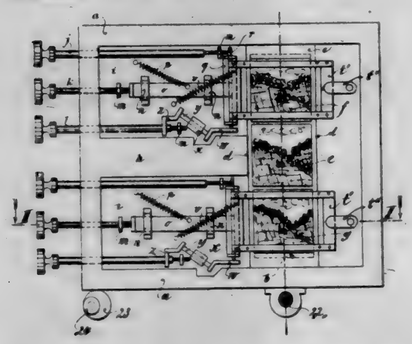
1,559,316. METHOD OF AND APPARATUS FOR THE MANUFACTURE OF DIAPOSITIVES FOR THE PROJECTION OF LIGHT PICTURES IN NATURAL COLORS. HERMANN DIERNHOFER, Zittau, Saxony, Germany. Filed June 15, 1922. Serial No. 568,652. 9 Claims. (Cl. 88—24.)



1. The method of manufacturing diapositives for the projection of illuminated pictures in natural colors upon a screen or the like, which method consists in first adjusting the negatives of the part pictures necessary for the multicolor projection abreast each other while projecting them on the screen one upon the other and observing the projections in regard to coincidence, fastening the negatives in the adjusted position abreast each other and making a common diapositive from said adjusted part pictures, said common diapositive showing the part diapositives abreast each other.

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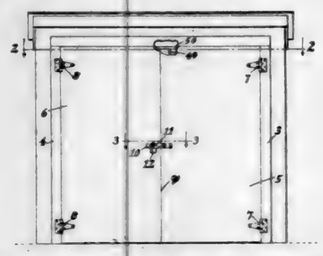
1,559,317. GARAGE DOUBLE-DOOR OPERATOR AND FASTENER. JOHN A. HARRIS, Los Angeles, Calif. Filed July 21, 1924. Serial No. 727,384. 3 Claims. (Cl. 292—262.)



1. A garage door comprising two door sections mounted to swing to and from each other, links pivotally connected at the tops of the door sections and extending inwardly and pivotally connected together at their rear ends, a guide arm mounted to swing on a vertical axis and connected to the rear ends of the links, a spring pressed double catch at the rear ends of the links, there being a rigid pin to be engaged by the catch and hold the door sections closed and there being a second rigid pin to be engaged by the catch and hold the door sections open, a hasp on one of the door sections to serve as a handle, and a connection between the hasp and the catch for releasing the catch from the pins to move the door sections.

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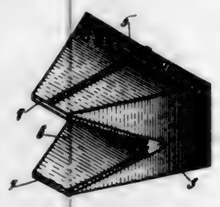
1,559,318. FUEL SAVER. WILLIAM M. HAYWARD, Natick, Mass. Filed Apr. 26, 1923. Serial No. 634,666. 6 Claims. (Cl. 110—175.)



1. A device of the class described comprising a casing for attachment at its open outer end to the inner face of a fire door, said casing having substantially horizontal upper and lower walls, side walls, and an inner end wall formed as a reentrant angle portion joining said side walls and forming therewith and with said upper and lower walls a pair of horizontally disposed flat nozzle openings.

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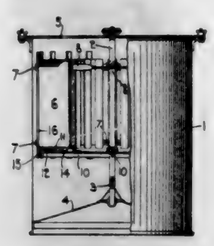
1,559,319. HONEY EXTRACTOR. WILLIAM HERROD-HEMPSALL, Luton, England. Filed Nov. 3, 1923. Serial No. 672,522. 1 Claim. (Cl. 210—65.)

In a centrifugal honey extractor, an inclosing vessel, a vertical driving shaft journaled therein, and a skeleton comb carrier secured on the said shaft and comprising upper radial arms provided with a retaining ring for the comb frames, lower radial arms, a lower retaining ring for the comb frames arranged above the level of the lower arms and secured to them, supporting rings for the comb frames spaced apart and secured to the



lower arms below the level of the lower retaining ring and between it and the said shaft, and spacing devices which retain the comb frames in the carrier in positions radial of the said shaft.

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1,559,320. TOOTH CLEANER. ALBERT A. HIRSH, New York, N. Y. Filed Nov. 17, 1924. Serial No. 750,375. 2 Claims. (Cl. 132—93.)

1. A tooth cleaner comprising a strand of thread, a knob having a bore to receive the ends of the thread, said knobs being provided with intersecting bores and plugs extending through said intersecting bores for securing the thread in position within said knobs.

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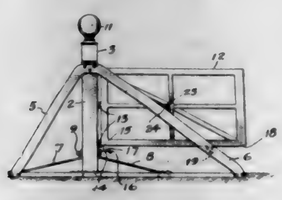
1,559,321. RAILWAY GATE. HARRIETTE ENSLEY HODGSON, New York, N. Y. Filed Mar. 15, 1924. Serial No. 699,545. 2 Claims. (Cl. 39—55.)



1. A railway gate comprising a hinge post, an abutment post, a gate swung at an inclination from said hinge post and having its lower free corner formed substantially horizontal, and a step support on the abutment post to cooperate with such corner portion of the gate, substantially as described.

2. In a railway gate, hinge posts at opposite sides of the roadway, a central abutment post, laterally swinging gates hung on the hinge posts, and combined brace and guard members for the center post, substantially as described.



1,559,322. METHOD OF AND MEANS FOR THE PRODUCTION OF CIGARETTE RODS IN THE MANUFACTURE OF MACHINE-MADE CIGARETTES. PAUL MAX ERNST HOHN, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Filed Apr. 22, 1924. Serial No. 708,155. 8 Claims. (Cl. 131—39.)

1. A method of making the tobacco rod for the manufacture of machine made cigarettes consisting in shaping tobacco to form a flat layer and forming the same into a closed ring.

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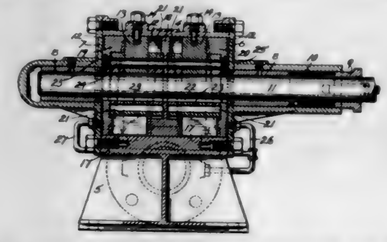
1,559,323. DUPLEX ROTARY PUMP. JOHN JACKSON, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Oct. 9, 1924. Serial No. 742,526. 12 Claims. (Cl. 103—139.)



1. A pump comprising a cylinder having inlet and outlet ports, means for dividing the interior of said cylinder into a plurality of annular chambers, axially movable means for segregating said ports, a rotor operative in said chambers in peripheral contact with the inner perimeter of said cylinder and having helical faces operating said segregating means and made up of a member for each chamber, spacers separating said members, and through bolts holding said members and spacers together, and means for operating said rotor.

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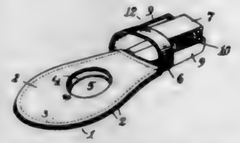
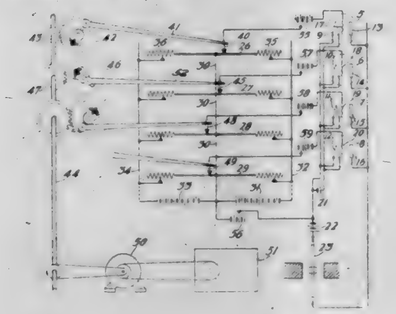
1,559,324. BUNION PROTECTOR. FRANK H. JENSEN, Everett, Mass. Filed Apr. 11, 1924. Serial No. 705,828. 1 Claim. (Cl. 128—153.)



A bunion protector comprising a yielding pad, a section of tape stitched to an end thereof to form the opening of a pocket, two sections of tape stitched at their ends to the first-named tape and crossing each other and stitched together at their midlengths, and a yielding pad attached to their midlengths and standing at substantially a right angle to the general length of the pocket.

1,559,325. MEANS FOR ANALYZING OR SYNTHESIZING ELECTRIC WAVES. FRANK B. JEWETT, Short Hills, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 20, 1919. Serial No. 346,342. 23 Claims. (Cl. 171—95.)



9. The combination of a plurality of vacuum tubes having a common output circuit and each having an input circuit, a common source of direct current potential for said input circuits, and an individual source of direct current potential for each of said input circuits.

17. In combination, a plurality of vacuum tubes, each having a control electrode, an adjustable impedance element for varying the potential of each of said control electrodes, and unitary means for varying said impedances.

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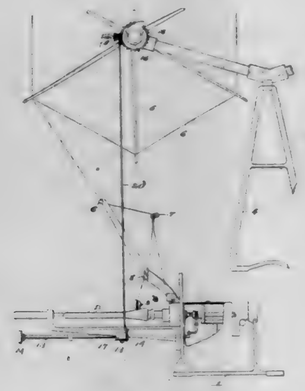
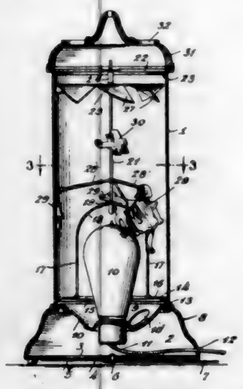
1,559,326. WINDING MACHINE. JAMES D. JOYCE, Philadelphia, Pa. Filed May 26, 1925. Serial No. 32,977. 1 Claim. (Cl. 242—18.)



In combination, a winding spindle, means for rotating said spindle, a rotatable rod for starting and stopping said rotating means, a swift or the like for carrying the filament to be wound upon said spindle, an annular ratchet carried on said swift, an arm mounted on said starting rod, a pawl loosely mounted adjacent to said ratchet and in engagement therewith, a rod connecting said arm and pawl to operate the pawl to engage the ratchet to impart a starting movement to the swift simultaneously with the starting of the spindle, and to reversely engage the ratchet when operated to stop the spindle and brake the movement of the swift, substantially as described.

1,559,327. LAMP. HISASHI KAYASHIMA and TOTARO MIYATA, New York, N. Y.; said Kayashima assignor to said Totaro Miyata. Filed May 8, 1924. Serial No. 711,781. 2 Claims. (Cl. 40—40.)



1. A lamp including a translucent shade, a frame within said shade, including an outer ring secured to the shade, an inner ring connected to the outer ring, standards connected with the inner ring and having converging upper ends, a socket member connected with the ends of said standards, a shaft having its lower end journalled in said socket member, a fan secured to the upper end of said shaft, arms connected with said shaft intermediate said fan and bearing, emblems carried by said arms, and means for illuminating the interior of said shade.

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1,559,328. QUICK-SET WRENCH. JOHN H. LAGREID, Seattle, Wash. Filed June 30, 1924. Serial No. 723,381. 1 Claim. (Cl. 81—106.)



A wrench having a handle portion, a fixed jaw arranged at one end of said portion, a movable jaw having a shank slidably mounted in an opening in the fixed jaw immediately beyond the handle portion, a saddle slidably mounted upon the handle portion and having an extension pivotally connected to the free end of the shank of the movable jaw, one edge of the handle portion being formed with teeth, a locking member formed on one edge with teeth to cooperate with the teeth on the handle portion, means carried by the saddle for guiding the locking member for movement at an angle to the plane of the handle portion, whereby to move the locking member into and out of cooperation with the teeth of the handle portion, a spring carried by the fixed jaw and bearing on the shank of the movable jaw above the fixed jaw, and spring means carried by the handle portion below the fixed jaw to engage the opposite side of the shank of the movable jaw.

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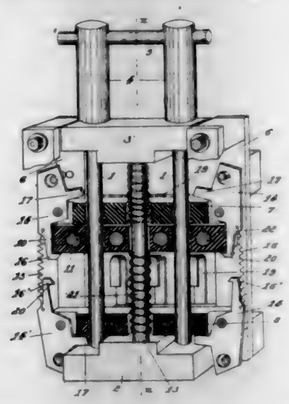
1,559,329. ELECTRIC-CIRCUIT SWITCH. NICOLAS LEMLYN, Brussels, Belgium. Filed June 24, 1924. Serial No. 722,143. 2 Claims. (Cl. 200—75.)

1. In an electric switch, a fixed frame carrying a contract, a movable frame slidably guided in the fixed frame, a rod fixed in the movable frame, a movable contact member slidably mounted on said rod and slidably guided in the movable frame, pawls carried by the fixed frame and adapted to engage the movable contact in its



respective operative positions, springs on said rod and held between the movable contact and the movable frame, and means mounted in the fixed frame for limiting the opening movement of the pawls.

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1,559,330. PROCESS OF AND COMPOSITION FOR DOUGH MAKING. BENNO LOWY, San Francisco, Calif. Filed May 18, 1925. Serial No. 31,209. 7 Claims. (Cl. 99—10.)

4. A bread making composition consisting of a calcium-lacto-phosphate mixed with a catalyst capable of aiding in breaking down the loosely combined calcium-lacto-phosphate when subjected to the action of fermentation of a dough.

7. A process of bread making which comprises forming a composition by mixing acid milk with calcium phosphate at 40° C. to produce a calcium-lacto-phosphate, adding ammonium-tartrate, dissolving said composition together with yeast, salt and sugar in water, introducing into said solution flour sufficient to form a dough, said composition to be in the proportion of one per cent by weight to the amount of flour used, adding shortening and thoroughly mixing the dough at a temperature of about 86° F.

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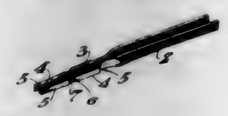
1,559,331. UMBRELLA GEAT. JOHN LUTZ, Philadelphia, Pa., assignor to S. W. Evans & Son, Philadelphia, Pa., a Firm composed of Samuel W. Evans, Wayne S. Evans, and Morton E. Evans. Filed Feb. 12, 1924. Serial No. 692,207. 2 Claims. (Cl. 135—32.)



1. In an umbrella, a stretcher having an eye through the butt thereof, a plurality of U-shaped yokes composed of semicylindrical legs and crowns, said legs and crowns being of the same width throughout, the convexed portions of said legs being juxtaposed to each other, said yokes being positioned on said butt with their legs extending oppositely to each other in the longitudinal direction of the stretcher, and the crowns of said yokes having a common bearing in said eye.

1,559,332. FLEXIBLE UMBRELLA RIB. JOHN LUTZ and WAYNE S. EVANS, Philadelphia, Pa., assignors to S. W. Evans & Son, Philadelphia, Pa., a Firm composed of Samuel W. Evans, Wayne S. Evans, and Morton E. Evans. Filed Feb. 12, 1924. Serial No. 692,226. 1 Claim. (Cl. 135—31.)

As a new article of manufacture, an umbrella rib, having its groove at the location of the geat U-shaped and narrowed, and the groove from the geat to the butt end and from the geat to the tip end widened and U-shaped, said widened grooves being of substantially the same cross section and the side walls of said narrowed portion being higher than the side walls of the widened portions, whereby the rib is given a desired degree of flexibility.

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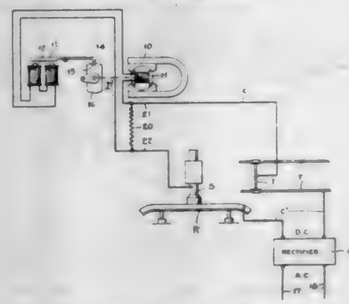
1,559,333. TRAIN-CONTROL SYSTEM. CLAUDE A. LYON, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 27, 1923. Serial No. 659,504. 19 Claims. (Cl. 246—74.)



4. In a train control system, vehicle carried mechanism including a direct current relay and a vehicle carried circuit therefor, roadside mechanism including an alternating current source of energy, a rectifying means arranged for connecting said source of energy with so as to transmit the rectified energy to the vehicle carried circuit, and a resistor connected in parallel with said relay for rendering the same receptive to the rectified energy transmitted to the vehicle carried circuit.

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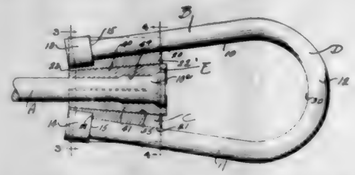
1,559,334. CLAMP. ARTHUR W. MCCALLISTER, Shidler, Okla., assignor of one-half to Alexander R. O'Brien, Bartlesville, Okla. Filed Feb. 9, 1925. Serial No. 7,978. 14 Claims. (Cl. 24—126.)



1. A clamp comprising a body, jaw clamping means associated with the body, said body at the opposite outer edges thereof having grooves therein opening outwardly along said sides in a convergent relation, and a clevis including side legs having portions thereof convergently disposed for detachable connection in the convergent grooves of said body.

1,559,335. METHOD OF FILLING THE INTERSTICES BETWEEN THE UNITS OF A PAVEMENT OR FLOOR. BERTRAM S. MCCONNELL, Indianapolis, Ind., assignor to Peter C. Reilly, Indianapolis, Ind. Filed Oct. 4, 1921. Serial No. 505,264. 9 Claims. (Cl. 94—23.)

1. That method of filling the joints between contiguous paving or flooring elements, which consists in supplying said joints with a hydrocarbon material normally non-fluent under atmospheric temperatures, and temporarily softening the same when in situ to cause such material to coalesce and to bond the contiguous faces of the elements aforesaid.

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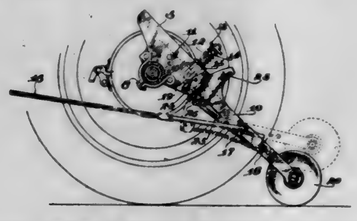
1,559,336. ANTISKIDDING DEVICE. OWEN A. MCELFISH, Cumberland, Md. Filed Feb. 16, 1925. Serial No. 9,686. 3 Claims. (Cl. 188—5.)



1. In a device of the class described, a clamp adapted to be secured to an axle, an arm pivoted to said clamp and composed of two hinged sections, a spring for normally holding said sections in alignment, cooperative guiding means on said clamp and one of said sections, and a wheel journaled on the free end of said arm.

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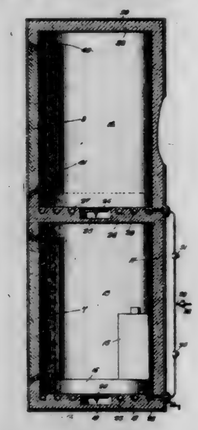
1,559,337. FIRELESS COOKER AND HEATER. MALCOLM J. MCFARLANE, New Orleans, La. Filed June 7, 1924. Serial No. 718,639. 2 Claims. (Cl. 126—39.)



1. A fireless cooker and heater comprising a thin metallic casing, a liner fitting in the casing and including integral side, top and bottom walls, said bottom wall having in its upper side a centrally disposed cavity and a serpentine groove thereabout, both said cavity and groove opening through the upper side of the bottom wall, a gas burner seated in the cavity, means housed in the liner and extending in the casing for supplying fuel to the gas burner, and an electric resistance coil seated in said groove and connected through the liner and casing to an external source of energy.

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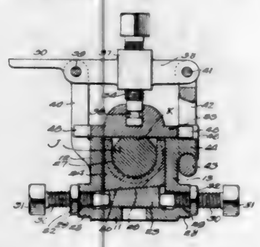
1,559,338. DOLLY-HAMMER CYLINDER FRONT HEAD. MARTIN MCHALE, Anyox, British Columbia, Canada. Filed Sept. 18, 1923. Serial No. 663,438. 4 Claims. (Cl. 76—5.)



4. In a drill bit sharpening machine, a dolly having a head and a collar at its opposite ends a dolly hammer cylinder front head, an adjustable and removable bearing for the dolly mounted in the front head, means for effecting adjustments of said bearing to compensate for wear thereon and on the dolly, said means comprising a wedge block, interengaging wedge faces on the bearing and wedge block, devices for operatively moving the wedge block to obtain said adjustments, and guide means for the bearing provided on the front head body, certain of said guide means constituting stops for engagement with the head and collar of the dolly for limiting the movement of the dolly whereby to prevent engagement of the same with the bearing.

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1,559,339. EMERGENCY SURGICAL SPLINT. HARVEY C. MASLAND, Philadelphia, Pa. Filed July 27, 1922. Serial No. 577,810. 1 Claim. (Cl. 128—85.)

An emergency splint consisting of two opposed pairs of splint arm sets of bendable metal, each set being adjustable in length and adjustable independently of each other, each set being readily bendable in emergency to fit the surface curves of a fractured part, terminal strap brackets at the distal ends of the opposing splint arm sets, straps for said brackets to hold the ends of the opposing splint arm sets in adjusted position, and additional strap brackets adapted to be positioned along the length of the opposing splint arm sets for straps to bind a limb to the opposing splint arm sets at any desired position.



1,559,340. IRRITANT PRODUCT FROM THE RHUS PLANT AND PROCESS OF OBTAINING THE SAME. PETER MASUCCI, Norwood, Pa., assignor to H. K. Mulford Company, Glenolden, Pa., a Corporation of Pennsylvania. Filed Apr. 16, 1923. Serial No. 632,528. 6 Claims. (Cl. 167—4.)

5. As a new article of manufacture, a solution in a fixed vegetable oil of the irritant or vesicant principle of the Rhus plant, having the physiological and therapeutic characteristics of said plant.

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1,559,341. RUST-PRODUCING COMPOUND. ROYAL MATTICE, Bethlehem, Pa. Filed Oct. 25, 1924. Serial No. 745,817. 3 Claims. (Cl. 148—22.)

3. A rust producing compound comprising magnetized iron filings, ammonium chloride and ammonia.

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1,559,342. METHOD OF AND APPARATUS FOR PURIFYING MOLTEN METAL. ROYAL MATTICE, Bethlehem, Pa. Filed Aug. 21, 1925. Serial No. 51,657. 10 Claims. (Cl. 266—84.)

1. An apparatus for use in purifying molten metal comprising a container having aluminum and lime therein, the aluminum being of coarser mesh than 150.

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1,559,343. PROCESS FOR THE PREPARATION OF A DYED RUBBER PRODUCT. DIEDERICUS JOHANNES MEYERINGH and PETRUS CAREL WIJNAND, Amsterdam, Netherlands. Filed Dec. 26, 1923. Serial No. 682,824. 2 Claims. (Cl. 18—50.)

1. A process for the production of rubber dyed throughout, comprising treating raw rubber in sheet form with a solution of coloring matter the solvent in the coloring matter solution being capable of penetrating into and throughout the rubber treated, the raw rubber being treated with sulphur, and the resulting product being vulcanized with actinic rays.

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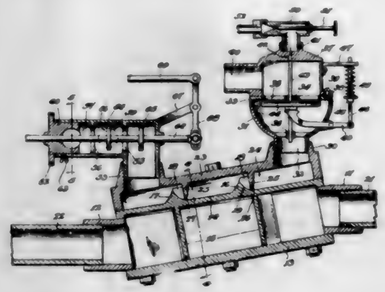
1,559,344. FUEL-CRACKING DEVICE FOR INTERNAL-COMBUSTION ENGINES. FRANK E. MODLIN, Jr., Burbank, Calif. Filed Mar. 13, 1925. Serial No. 15,402. 10 Claims. (Cl. 48—107.)

2. A fuel cracking device including a heated gasifying chamber, adapted for connection with an engine intake and having a heated wall, means for feeding liquid fuel and air to said chamber, means in said chamber for forming the fuel into a film in contact with said wall whereby the fuel is subjected uniformly to the heat and converted into a vapor mingling with the air to form a fuel gas, said second mentioned means defining a substantially restricted passage for raising the rate of flow of the vapor to a high velocity, and means for subsequently diluting the vapor with air to form a fuel mixture.



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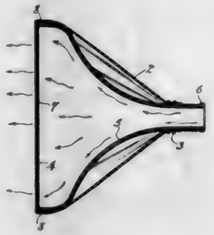
1,559,345. SMOKE-PRINTING DEVICE. PATRICK J. MOLONEY, Brooklyn, N. Y. Filed July 14, 1925. Serial No. 43,577. 1 Claim. (Cl. 41—29.)



A smoke printing device, comprising a hollow body substantially funnel-shaped and formed at the small end with a mouthpiece whereby a person may blow tobacco smoke therein, and a removable printing plate mounted on the large end of the body, said printing plate having a flange fitting the body, and a series of perforations outlining the matter to be printed whereby when a piece of cloth is laid on said plate and smoke is forced through said perforations, said smoke will also pass through the cloth and discolor small portions of the cloth adjacent the perforations whereby a printing effect will be produced.

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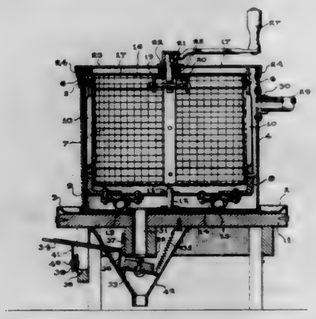
1,559,346. DISHWASHING MACHINE. JOHN N. MOORE, Thorndale, Tex. Filed Sept. 22, 1924. Serial No. 739,132. 1 Claim. (Cl. 141—9.)

In a dish washing apparatus, the combination with a stand and a casing supported thereon, of a frame rotatably supported within the casing and having upstanding arms, a basket fitted within the frame and secured to the arms, cross bars with notches in their extremities detachably receiving the upper terminals of the frame arms, a U-shaped bracket depending from said cross bars connected to the frame arms, cross bars on the casing with their extremities detachably engaging with the margin of the casing, a shaft passing through the bars

on the basket and having its lower end fixedly connected with depending terminals of the bracket, said shaft rotatably passing through the bars on the casing, and



means connected to the upper end of the shaft for rotating the same, thereby rotating the frame and basket as one body.

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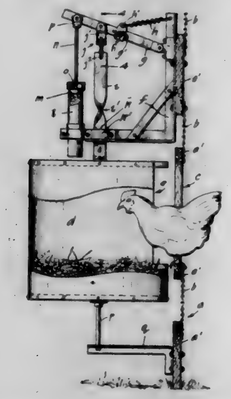
1,559,347. SEGREGATING NEST. JOHN A. MOORE, Portland, Oreg. Filed Apr. 30, 1925. Serial No. 26,959. 3 Claims. (Cl. 119—21.)



1. In a device of the character described, a bracket, a lever-arm mounted thereon, means connected to said lever-arm adapting the latter to sustain a predetermined weight, a vertically movable rod pendent from said lever-arm, means for causing the partial rotation of said pendent rod during its vertical movement, an enclosed nest suspended from said rod, said nest provided with an opening, means restraining the sudden movement of said lever-arm, whereby additional weight imposed upon said nest will cause its partial rotation and thus relatively move its opening from one position to another, slowly.

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1,559,348. OIL-WELL HOOK-ON DEVICE. MORRIS C. MOORE, Luling, Tex. Filed May 18, 1925. Serial No. 31,252. 4 Claims. (Cl. 254—135.)

1. The combination with a reciprocatory member and an anchor adjacent the same; of a chain guide connected to said reciprocatory member to be reciprocated thereby, a second chain guide adapted for connection to a load to be pulled toward said reciprocatory member, a chain anchored at one end by means of said anchor, said chain extending from the anchor to the second named chain guide and being engaged with the same, the chain then extending to the first named guide, being engaged with the latter and having its other end extending from the same, said other end being intended to be pulled to take

up slack between the two chain guides upon each movement of the reciprocatory member toward the load, and means for establishing a positive pulling connection between the chain and the first named chain guide upon movement of the reciprocatory member away from the load.

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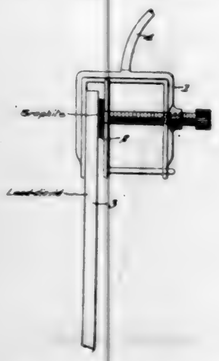
1,559,349. ELECTRICAL CONNECTION. WILLIAM ROY MOTT, Decorah, Iowa, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 25, 1922. Serial No. 546,724. 7 Claims. (Cl. 204—4.)



1. A low resistance electrical connection, comprising graphite compressed upon a conductive metallic oxid.

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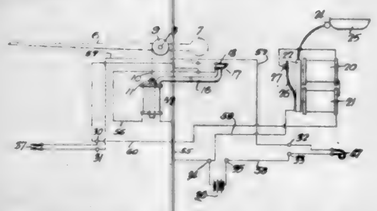
1,559,350. AUTOMATIC SAFETY GATE. FREDERICK W. MUCHMORE, Philadelphia, Pa.; Walter R. Faries, administrator of Frederick W. Muchmore, deceased, assignor to W. Wayne Muchmore, Boston, Mass. Filed Jan. 27, 1922. Serial No. 532,218. 4 Claims. (Cl. 246—125.)



1. The combination with a housing, of a shaft journaled in the housing, a solenoid operatively connected with and constituting motor means for rocking the shaft, a source of electrical energy, a switch controlling the connection between the solenoid and said source, a second switch controlling an independent circuit including the source of energy and the solenoid, and a mechanical



connection between the solenoid and said first switch for closing said switch when the solenoid is energized by the independent circuit and adapting the mechanism for compact assemblage within said housing.

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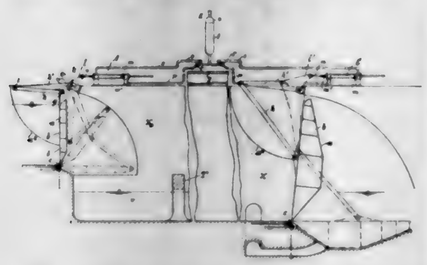
1,559,351. WATER GATE. ARTHUR HUGO MÜLLER, Blankenese, near Hamburg, Germany. Filed Apr. 13, 1925. Serial No. 22,837. 6 Claims. (Cl. 61—22.)



1. In a water gate for sluices, canal locks, weirs and the like, the combination of a flap gate opening in the direction of water flow and arranged to be opened by the pressure of the water controlled thereby, a fluid brake to absorb the work done by the water operating the flap gate, a hydraulic accumulator for collecting the energy from the brake, and means for retransmitting the collected energy to the flap gate.

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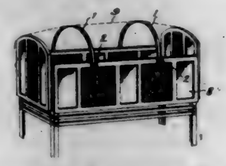
1,559,352. ATTACHMENT FOR CRIBS, PERAMBULATORS, AND THE LIKE. VIRGINIA P. NELSON, New York, N. Y. Filed Mar. 13, 1925. Serial No. 15,418. 3 Claims. (Cl. 135—10.)



1. An attachment of the character described, comprising a pair of coiled brackets, and a flexible strip having coiled ends fitting in the coiled brackets.

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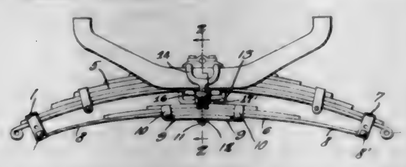
1,559,353. VEHICLE SPRING. ISOM JERRY NOBLE, Higginson, Ark. Filed Oct. 6, 1924. Serial No. 742,042. 2 Claims. (Cl. 267—45.)



1. The combination with a vehicle spring, of an auxiliary spring arranged beneath the same and having its ends operatively connected with the first mentioned spring, a plate secured to the underface of the auxiliary spring and provided with wings at one side thereof which extends along the edges of the leaves of the auxiliary spring, a bolt passing through the auxiliary spring and plate, and a U-shaped member carried by the bolt and interposed between the auxiliary spring and the first mentioned spring.

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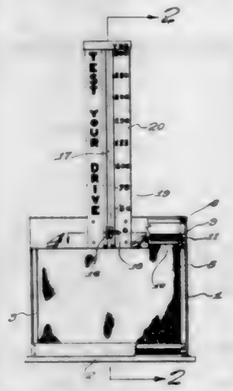
1,559,354. GOLF-DRIVE TESTER. CHARLES W. NORRIS, Chicago, Ill. Filed Jan. 10, 1923. Serial No. 611,812. 4 Claims. (Cl. 265—20.)




1. In a device as set forth, a supporting frame, an impact curtain having its lower edge anchored to said frame, an indicator hand and means connected to the upper movable end of said impact member for striking and operating said indicating hand.

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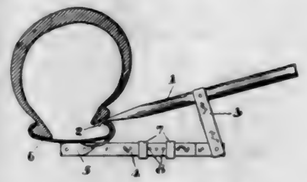
1,559,355. TOOL FOR PUTTING ON OR REMOVING TIRES FROM THE RIMS OF VEHICLES. ROBERT WILLIAM OAKLEY, Toronto, Ontario, Canada. Filed Apr. 21, 1924. Serial No. 707,983. 7 Claims. (Cl. 157—6.)



1. In a tool for putting on or removing tires from the rims of vehicles, the combination of a lever having a wedge-shaped end adapted to be engaged with the edge of the rim when the tire is to be placed in position or inserted between the tire and edge of the rim when the tire is to be removed; a bar; a link having one end pivotally connected intermediate the ends of said lever, the other end of said link being pivotally connected with one end of said bar; and a hook member pivotally connected with the other end of said bar, said link, bar and hook member being adapted to occupy a position when the tire is to be placed in position with the hook member in engagement with the rim adjacent the wedge-shaped end, or a position, when a tire is to be removed, with said link bar and hook member in substantially a straight line at right angles to the lever.

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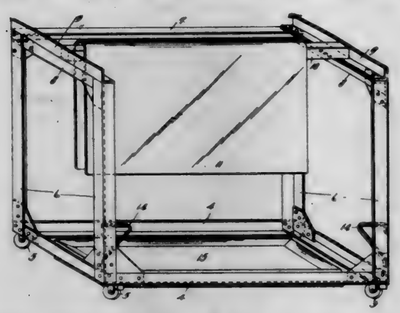
1,559,356. TRUCK FOR HANDLING RUGS OR THE LIKE. WALTER E. OLSON, Chicago, Ill. Original application filed Sept. 24, 1921, Serial No. 502,898. Divided and this application filed July 15, 1922. Serial No. 575,420. 1 Claim. (Cl. 211—15.)

An apparatus of the class described comprising a wheeled base; four supporting posts supported on and projecting upwardly therefrom; connecting bars arranged between the upper portions of said posts upon three sides of said truck, the fourth side being left open;

opposed angle irons arranged across the tops of the opposed closed sides of said truck, said angle irons being arranged with one leg projecting horizontally and inwardly and the other leg projecting vertically; and a



support consisting of a wooden bar of a length to span the space between said angle irons and having a line of staples driven in the top and upper corners thereof, substantially as described.

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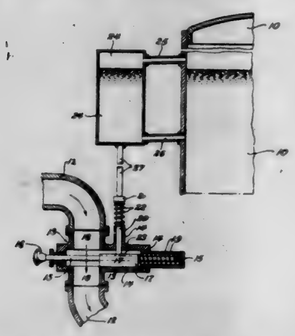
1,559,357. AUTOMATIC GAS CUT-OFF. THOMAS A. O'NEILL, New York, N. Y. Filed Feb. 25, 1924. Serial No. 695,064. 7 Claims. (Cl. 122—504.)



1. In a device of the class described, the combination with a boiler, a burner for heating said boiler, a valve, manually operable means for opening said valve to permit fuel to flow to said burner, means for holding said valve in open position when the level of water in the boiler is above a predetermined height including a movable tank in open communication with said boiler, and means operable for closing said valve when the level of water reaches a low level.

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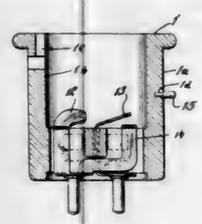
1,559,358. VACUUM-TUBE ADAPTER. LOUIS G. PACENT, Winfield, N. Y., assignor to Pacent Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 1, 1925. Serial No. 27,126. 3 Claims. (Cl. 173—344.)

1. A vacuum tube adapter comprising a cup like socket member, a plurality of contact prongs attached to and projecting from the bottom of said socket member and arranged to engage the resilient contacts of a vacuum tube socket into which said adapter may be inserted, a plurality of slots extending through the bottom of said socket member, a plurality of leaf spring conductors each of which is attached, individually, to one of said contact prongs and extends individually through one of said slots to the interior of said socket member, the end portion of each of said leaf spring conductors which is inside said socket member being so positioned as to engage, individually, one of the contact prongs of a vacuum tube which may be inserted in said



socket member, the arrangement being such that each contact prong of the vacuum tube is electrically connected through one of said leaf spring conductors, individually, to the proper one of said contact prongs forming a part of said adapter.

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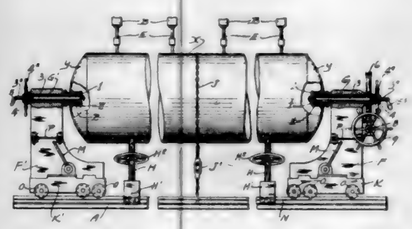
1,559,359. MACHINE FOR DRILLING OR REAMING BOILER SHELLS. FREDERICK O. PAHMEIER, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed May 18, 1923. Serial No. 639,798. 20 Claims. (Cl. 77—22.)



1. A machine for drilling or reaming boiler shells, comprising rotatable tool spindles, and means for supporting a boiler shell at the centers of the heads or end pieces of the shell during the operation of forming holes in the shell with the tools on said spindles.

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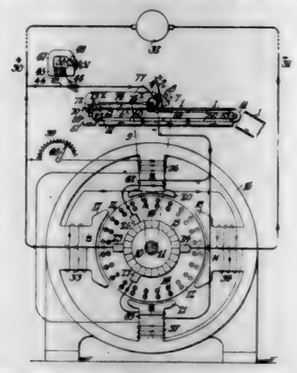
1,559,360. METHOD OF AND MEANS FOR ELECTRIC WELDING. ARTHUR E. PAIGE, Philadelphia, Pa. Filed Mar. 8, 1922. Serial No. 541,923. 13 Claims. (Cl. 219—8.)

1. In electric arc welding apparatus; the combination with feeding means arranged to feed the work and a metallic electrode toward each other, at a uniform predeterminable rate; of a single rotor arranged to drive said feeding means; said rotor having a circumferential series of conductors; means supplying constant potential direct current to a circumferentially limited motor sector of said series of rotor conductors, to rotate said rotor; means constituting the remaining circumferential sector of said series of rotor conductors, a generator sector, in the same circumferential zone with said motor sector; a field for said rotor, including two main poles and two auxiliary inter-poles; a shunt field winding on each of said poles; opposed series windings on said inter-poles; a welding arc circuit, including said work, electrode, series field windings, and rotor; and an adjustable field



rheostat in the shunt circuit including said shunt field windings; said rheostat being adjustable to vary the energy in said arc circuit; and said rotor and its field



being automatically operative to regulate the energy in said arc circuit and compensate for fluctuations in resistance at the arc.

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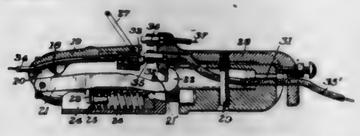
1,559,361. STORAGE-BATTERY-CHARGING PLUG. WAYBARD D. PARKER, Cleveland, Ohio. Filed Aug. 21, 1920. Serial No. 405,010. 19 Claims. (Cl. 173—328.)



2. In a device of the character described, a socket member having an electrical contact carried thereby, a plug member having a second electrical contact carried thereby for cooperation with said first mentioned contact, said contacts being adapted to form a part of an electrical circuit, means for holding said contacts yieldingly in engagement, and circuit-controlling means adapted to be brought into operative engagement before said contacts can be separated, substantially as described.

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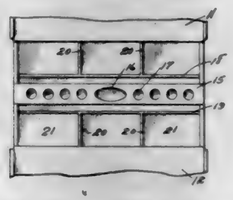
1,559,362. FLAGMAN'S KIT. JOHN T. PARKINS, Mandan, N. Dak. Filed July 21, 1924. Serial No. 727,323. 2 Claims. (Cl. 246—488.)



1. A flagman's kit comprising a receptacle, a sectional cover therefor, centrally disposed solid partition arranged longitudinally of the receptacle, and having a series of openings designed to receive a torpedo container and fuses, said partition projecting above the sides of the receptacle and constituting a support on which the sections of the cover repose when closed, and a plurality of partitions dividing the receptacle into longitudinal and transverse compartments to accommodate other articles used by the flagman.

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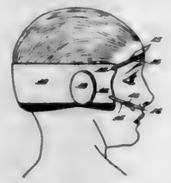
1,559,363. HAIR-TRIMMING GUIDE. JEAN PARISALE, Richmond Hill, N. Y. Filed Feb. 6, 1925. Serial No. 7,355. 2 Claims. (Cl. 132—45.)



1. A guide for facilitating the trimming of bobbed hair comprising a substantially semi-circular bandeau, a parallel series of comb teeth at the lower edge of said bandeau having angular inwardly projecting terminals and means for retaining said device in place on the head, said bandeau having outwardly pressed portions at diametrically opposite sides for accommodating the ears.

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1,559,364. INFLATABLE BALL. DEWEY O. PEARCE, Boise, Idaho. Filed Apr. 5, 1923. Serial No. 630,010. 2 Claims. (Cl. 273—65.)

1. An inflatable ball comprising a casing having a slit therein, a plurality of hooks carried by said casing on one side of the slit, a plurality of eye members mounted on the casing on the opposite side of the slit, gasket portions carried by the casing on the inner side adjacent the hooks and eye members to present a smooth inner surface, a closing flap carried on the inner side of the casing to close over the slit, and an inflatable portion within the casing.

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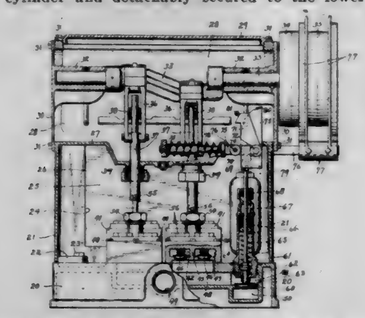
1,559,365. PUMP. BYRON J. PEPPER, Fort Wayne, Ind., assignor to S. F. Bowser & Company Inc., Fort Wayne, Ind., a Corporation of Indiana. Filed Apr. 23, 1921. Serial No. 463,848. Renewed Sept. 17, 1925. 18 Claims. (Cl. 103—125.)

1. A pump comprising a cylinder open at its top; a casing forming an integral closed chamber at the top of said cylinder; a discharge valve in the top wall of said casing at the highest part of said chamber; a pis-

ton operatively mounted in said cylinder and a base member having a chamber for receiving the lower end of said cylinder and detachably secured to the lower face



of said casing so as to permit removal of said cylinder and casing intact and expose the lower end of said cylinder.

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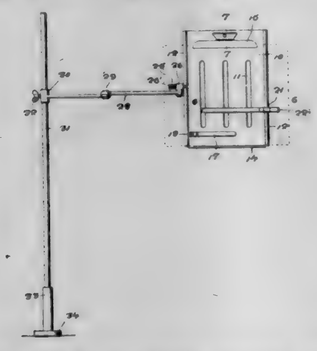
1,559,366. COPYHOLDER. CHARLES B. PHELPS, Jr., Memphis, Tenn. Filed Aug. 1, 1923. Serial No. 655,076. 1 Claim. (Cl. 120—28.)



A copy holder of the character described comprising a panel having its opposite side edges curved over longitudinally extending cylindrical bar members and providing beads thereon, one of said cylindrical bar members having a transversely extending shaft member thereon, bearing blocks received on the transversely extending shaft, a retractile spring interposed between the outer end of the transversely extending bar member and the corresponding side edge of the bearing blocks, and supporting means positioned on the lower side of the bearing blocks whereby the panel may be manually turned at any angle desired.

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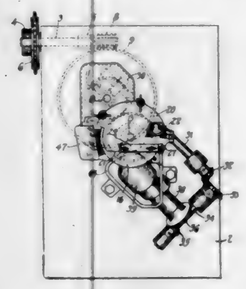
1,559,367. CEMENTING MACHINE. HERBERT R. POLLEYS, New Haven, Conn., assignor to National India Rubber Company, Bristol, R. I., a Corporation of Rhode Island. Filed Apr. 11, 1925. Serial No. 22,292. 18 Claims. (Cl. 12—80.)

1. In a cementing machine, an inclined support for the sole portion of a footwear article, means extending above the support whereby a coat of cement may be applied to the lower portion of the upper of the article as the latter is rotated on the support, and means for supplying cement to said last means.

2. In a cementing machine, an article support, means whereby a band of cement with a thickened edge or bead may be applied to an article on the support, and means for supplying cement to said last means.

12. In a cementing machine, a footwear article support, means whereby a cement coating may be applied to an article thereon, means whereby a cement bead may



be applied to the edge of the coating, and means adjacent said last means and supplied with cement therefrom whereby an additional portion of the article may be cement coated.

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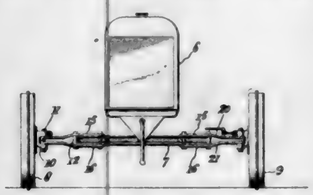
1,559,368. EXTENSION AXLE. CHARLES M. POOLE, Waco, Tex., assignor, by mesne assignments, to Texas La Crosse Company, a Corporation. Filed Apr. 27, 1925. Serial No. 26,214. 2 Claims. (Cl. 301—128.)



1. An extension axle for attachment to the usual motor vehicle axle having a coupling eye at its end comprising a pair of legs for adjustably fitting against the upper and lower sides of said usual axle, means for clamping the inner ends of the legs against the axle when the legs are adjusted, and locking means engageable with said coupling eye of said axle and adjustably engaging both legs of the pair for securing the legs in adjusted position, said legs projecting beyond the end of said usual axle and having a coupling eye therein corresponding to the coupling eye of said usual axle.

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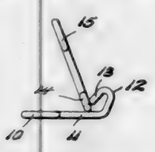
1,559,369. HOOK-AND-EYE FASTENER. JACOB POOLE, Hamden, N. Y. Filed Jan. 16, 1924. Serial No. 686,568. 1 Claim. (Cl. 24—228.)



A hook and eye fastener consisting of a hook member formed of a single piece of wire bent at its central portion and curved at its ends to form eyelets, the opposite portions of the wire extending from said eyelets in straight lines to form a shank and then extending upwardly from the plane of the shank and then bent and extending downwardly at an acute angle to said plane to form an overlying hooked bill, the end of which is



spaced from the shank a distance substantially equal to the diameter of the wire forming the eye member, and an eye member located in one plane also formed of a single piece of wire which has its central portion bent to form an elongated eye, the major axis of which is slightly greater than the width of said bill and the minor axis slightly greater than the thickness of the wire composing said bill, the wire members extending from said eye and curved at their ends to form eyelets.

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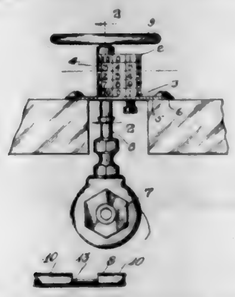
1,559,370. PERMUTATION LOCKING MEANS FOR VALVES. MICHAEL POSTEMSKY, Brooklyn, N. Y. Filed July 1, 1924. Serial No. 723,491. 2 Claims. (Cl. 70—53.)



1. In combination with a rotatable valve stem, of a permutation lock, including movable discs and a barrel on which said discs are adapted for rotation, said discs and barrel together presenting an opening corresponding in size and shape to the normal transverse size and outline of the valve stem, said valve stem throughout the area of the movable discs being cutaway in part to permit free rotation of said discs when the valve stem is in a particular position relative to said discs.

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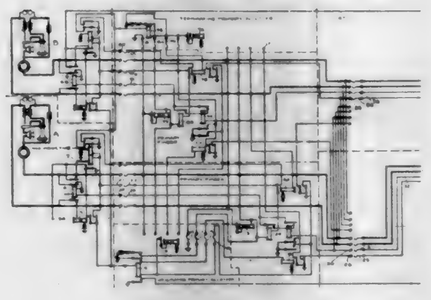
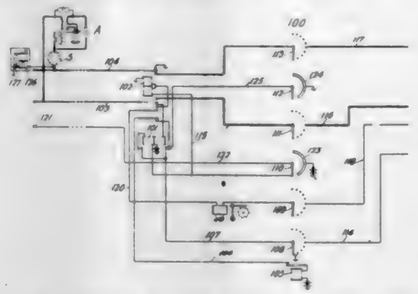
1,559,371. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed June 11, 1920. Serial No. 388,207. 11 Claims. (Cl. 179—18.)



1. In a telephone system, a plurality of telephone lines, a plurality of non-numerical switches of the step by step type, a plurality of trunks, means for causing a non-numerical switch to seize a calling line, means to cause a second non-numerical switch having wipers to successively test said lines and to seize a wanted line, and means including a trunk circuit and said non-numerical switches only for interlinking said last mentioned switches.



1,559,372. TELEPHONE-EXCHANGE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 4, 1921. Serial No. 434,901. 16 Claims. (Cl. 179—6.3.)



1. In a telephone exchange system, a plurality of subscribers' lines, a group of connecting circuits and switches for establishing a talking connection from one of said lines to another, a service charging device asociated with each of said lines respectively, sending mechanism for controlling said switches, electrically operated controlling mechanism individual to said sending mechanism for governing the operation of said charging devices, and means operative after completion of said connection for automatically asociating said sending mechanism and asosciated controlling mechanism with any one of the group of connecting circuits employed in establishing said connection.

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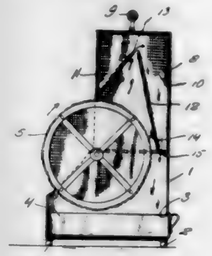
1,559,373. FLYCATCHER. ANNETT PURVIS, Shreveport, La. Filed Nov. 19, 1924. Serial No. 750,827. 1 Claim. (Cl. 43—111.)



A fly catcher comprising a casing, a drum journaled for rotation in the upper portion thereof, a housing of foraminous material mounted upon the casing and receiving the uper portion of the drum, foraminous sections arranged in anti-clined relation, and located under the top of the coacher, the upper edges of the sections being spaced, one of said foraminous sections being located above the drum, and the other foraminous section extending from a line above the drum to a line approximately midway betwen the upper and lower sides of the drum, the lower edge of the last mentioned foraminous section being spaced from the adjacent side wall of the housing.

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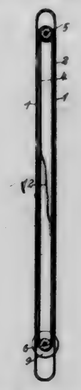
1,559,374. CALCULATING MACHINE. DAVID RABANETE, Barcelona, Spain. Filed Oct. 17, 1924. Serial No. 744,261. 4 Claims. (Cl. 235—86.)

3. In a machine for multiplication and division, a case having a series of transverse slots, a series of endless ribbons arranged side by side, two axles loosely carry-

ing reels upon which the endless ribbons are stretched, one of the reels of each ribbon being arranged for operation from outside the case for moving the endless ribbons, the ribbons having tables printed upon them in each of which thre is a central column formed by the



figures 0 to 9 and two lateral columns which indicate the products of each one of such figures multiplied by a multiplier corresponding to the particular table, a tie member connected across each of the endless ribbons to limit movement thereof.

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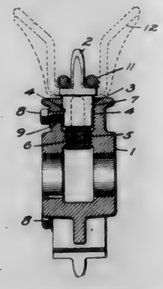
1,559,375. CHAIN WHEEL. JOSEPH S. REID, Olean, N. Y., assignor to Clark Brothers Company, Olean, N. Y., a Corporation of New York. Filed Jan. 24, 1922. Serial No. 531,365. 1 Claim. (Cl. 74—31.)



A chain wheel including a hub, a plurality of integral radial projections extending outwardly therefrom, each of said projections having a radial bore therein extending into the hub, said bore being smooth at the outer end and threaded only at the inner end thereof, adjustable teeth, each having a cylindrical shank provided with a flattened portion, the inner end only of which shank is threaded to turn in the threaded portion at the inner end of the corresponding bore, the smooth outer end of each shank being closely fitted to the smooth outer end of the bore and supported laterally thereby, and locking screws extending into the sides of the radial projections and engaging the flattened portions of the shanks of the teeth for locking the latter in their adjusted positions.

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1,559,376. VENTILATOR. ANDREW L. RIKER, Fairfield, Conn. Filed Mar. 10, 1923. Serial No. 624,127. 1 Claim. (Cl. 98—31.)

In combination with a structure having an opening, a ventilating closure comprising an apertured plate to cover said opening, the complete margin of said plate being adapted to engage said structure beyond said opening, means for securing said plate to said structure, an apertured plate having a continuous, integral flange secured to the plate first mentioned and spacing said

plates apart, the apertured plate with continuous, integral flange being adapted to lie wholly within said opening at greater or less distance from the wall thereof, and the apertured plate with margin including integral guide ways constituting the border of said margin, and a slotted slide in said guide ways.

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1,559,377. VENTILATOR. ANDREW L. RIKER, Fairfield, Conn. Filed Apr. 18, 1923. Serial No. 631,785. 5 Claims. (Cl. 189—61.)

1. In combination with a structure having an opening and walls adjacent said opening, a ventilating closure comprising spaced apart louvers adapted to cover said opening, each louver including a plate having apertures and flanges adjacent said apertures and a double flange attached to said plate and constituting the margin of each louver, each double flange comprising a continuous flange adapted to lie in said opening and a continuous flange adapted to be contiguous with a wall of said structure, an apertured slide associated with one of said louvers and arranged within its double flange to open or close the ventilating apertures of said louver, and means for drawing said louvers toward each other and against said walls.

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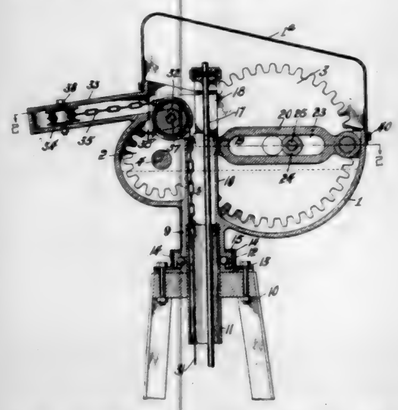
1,559,378. WINDMILL. FREDERICK RITZ, Napoleon, Ohio, assignor to The Heller-Aller Company, Napoleon, Ohio, a Corporation of Ohio. Filed June 14, 1924. Serial No. 720,037. 2 Claims. (Cl. 170—46.)



1. In a windmill engine, a support, a casing, a depending hollow neck carried by the casing, a shoulder extending outwardly from the lower end of the neck, and



having a depending flange, a ball-bearing plate on the support having the balls thereof enclosed by the flange and the bottom edge of the latter overlying the plate, angled fingers having lower ends seated on the plate and having vertical parts engaged with the flange and inwardly extending upper ends engaged on top of the shoulder, a tubular mast extending through the support and fitted within the neck and being surrounded by the balls of the ball bearing plate, a pump rod extending through the mast and neck, windwheel operated means within the casing for actuating the pump rod, and bolts extended through the lower ends of the fingers and through the plate to conjointly secure the fingers and the plate to the support.

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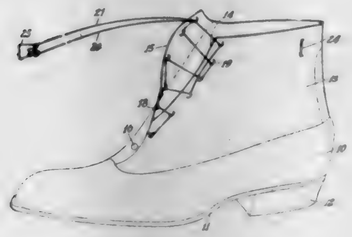
1,559,379. SHOE. THOMAS RODRIGUEZ, Yonkers, N. Y. Filed May 27, 1925. Serial No. 33,125. 2 Claims. (Cl. 24—140.)



1. In a shoe having a shoe upper slitted at its forward end, a plurality of eyelets fixed to the external surface of the shoe upper adjacent the slitted edge, a plurality of eyelets fastened to the interior surface of the shoe upper adjacent opposite edges of the slit, a double length of string anchored at the lower portion of the slit, said strings passing thru one eyelet on one side of the slit and thence crossing to the eyelet of the opposite side of the slit, said arrangement being continued thruout the length of the slit, and fastening means on said strings adapted to be secured to a member fixed on the external surface at the rear of the shoe upper.

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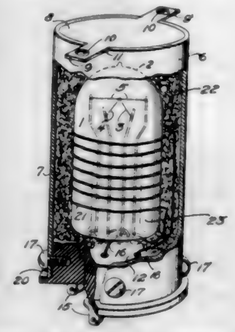
1,559,380. PROTECTIVE COVERING. WILLIAM C. ROE, New York, N. Y., assignor to Holmes Electric Protective Company, New York, N. Y., a Corporation of New York. Filed Aug. 30, 1921. Serial No. 497,001. 1 Claim. (Cl. 173—264.)

A multi-ply waterproof fabric comprising superposed plies, a layer of asphalt securing said plies together, and thin, flat, asphalt coated, metallic ribbons embedded in the asphalt layer, the asphalt layer having a thickness not less than the thickness of the ribbons, whereby the outer surfaces of the plies are disposed entirely in one plane and the presence of the ribbons concealed.

1,559,381. VACUUM-BULB DEVICE. ADOLPH RUDOLPH SWOBODA, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 20, 1921. Serial No. 502,003. 4 Claims. (Cl. 136—38.)



3. A vacuum tube having a conductor therein, said tube having two electrical terminals, and a resistance connected in series with said conductor between said terminals, said resistance being coiled about said tube.

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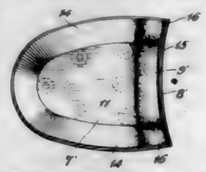
1,559,382. HEEL LIFT FOR SHOES. WILLIAM J. TOMPKINS, Mount Vernon, N. Y. Filed Apr. 9, 1920. Serial No. 372,435. 2 Claims. (Cl. 36—35.)



1. A resilient heel lift having a major body portion and a minor breast portion, said last named portion inclined upwardly from a line extending transversely and entirely across the major portion and adjacent to the breast edge of the heel, the upper face of the breast portion forming a rand which extends from breast corner to breast corner.

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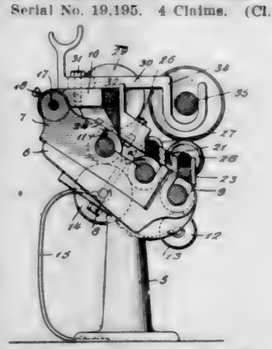
1,559,383. DRAWING FRAME FOR SPINNING MACHINES. HENRY TSCHUDY, Ennenda, Switzerland, assignor to Tschudy Spinning Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1925. Serial No. 19,195. 4 Claims. (Cl. 19—134.)



1. In a spinning machine, an inclined drawing frame, bearings supported thereby, top rolls having shafts supported in said bearings for only vertical movement

therein, pressure rolls for said top rolls, and bearings having vertical sides for receiving therebetween the ends of said pressure rolls.

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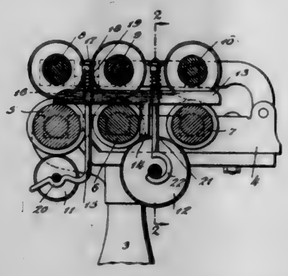
1,559,384. ROLLER SUPPORT FOR SPINNING MACHINES. HENRY TSCHUDY, Ennenda, Switzerland, assignor to Tschudy Spinning Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1925. Serial No. 19,196. 4 Claims. (Cl. 19—140.)



1. In a spinning machine, a plurality of drawing rolls, a supporting member resting thereon and including a stop depending therefrom and interposed between said rolls to limit longitudinal movement of said member in one direction, a hanger depending from said supporting member and having vertical movement relative thereto, and a clearer roll carried by said hanger in engagement with said rolls.

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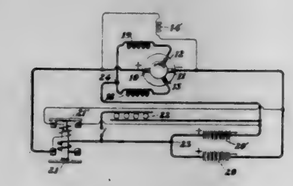
1,559,385. DOUBLE VOLTAGE SYSTEM. WILLIAM A. TURBAYNE, Niagara Falls, N. Y., assignor, by mesne assignments, to The Safety Car Heating and Lighting Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 17, 1921. Serial No. 437,677. 5 Claims. (Cl. 171—313.)



1. In a system, a double circuit generator, a battery connected in one circuit thereof, a translation circuit connected to be supplied by the other circuit thereof, said battery being connected to said translation circuit to supply said translation circuit when said generator is not developing a sufficiently high voltage, and an auxiliary battery permanently connected across said translation circuit during the entire time the translation circuit is closed.

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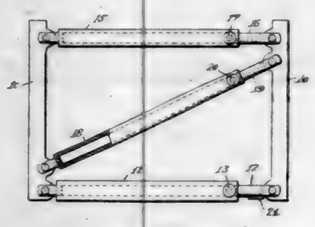
1,559,386. GAUGE. THOMAS F. VALENTINE, Catawba, W. Va. Filed Feb. 28, 1925. Serial No. 12,320. 2 Claims. (Cl. 33—174.)

1. In a device of the class set forth, a longitudinally-extensible base-member having a straight-edge face adapted for abutment against the edge of the board, a pair of straight-edges pivotally connected to the opposite ends of said extensible base-member, an extensible connecting member pivotally connecting the outer ends of said straight-edges, and a diagonal longitudinally-extensible locking member connecting the two straight-edges



at points intermediate the other pivotal connections therewith, locking means being provided on each one of said extensible members.

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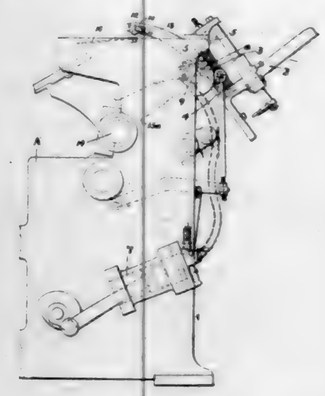
1,559,387. FEED MECHANISM FOR PRINTING MACHINES. FRED WAITE, Otley, England. Filed June 18, 1923. Serial No. 646,103. 6 Claims. (Cl. 101—287.)



1. In a mechanism for the purpose described, the combination of a hopper adapted to support a series of sheets so that they will project above the upper edge of a stop at the lower end of the hopper, a rock shaft, a sucker supported by said shaft and adapted to be positioned to contact with the portion of the lowest sheet in the hopper that extends beyond said stop and bend said portion of the sheet along the edge of said stop as the shaft is rocked, a second rock shaft, arms extending laterally from said shaft toward the hopper and curved so that their free ends are directed rearward from the hopper, a gripper carried by said arms and adapted to engage the bent edges of the lowest sheet in the hopper and withdraw such sheet from the hopper as the shaft rocks, and means for automatically disengaging the sheet from the gripper as the latter approaches the limit of its movement away from the hopper.

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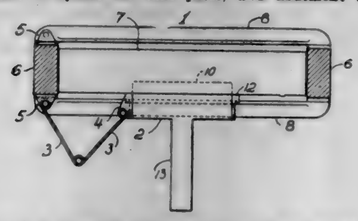
1,559,388. FEEDER FOR CLOTHES WRINGERS. EDWARD WALKER, Grantwood, N. J. Filed June 23, 1924. Serial No. 721,829. 2 Claims. (Cl. 68—11.)

1. A feeding device capable of being used to feed clothes to a wringer, including a feed plate having one edge capable of insertion between the rollers of the wringer, a handle for said plate, and abutment strips



arranged at the ends of said plate with said edge of the plate projecting beyond the forward edges of said strips.

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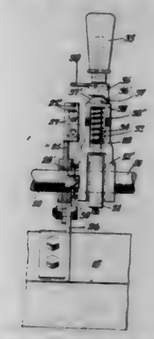
1,559,389. APPARATUS FOR CONTROLLING ELECTRIC CIRCUITS. ALFRED E. WALLER, Bronxville, N. Y., assignor to Ward Leonard Electric Company, a Corporation of New York. Filed Apr. 7, 1922. Serial No. 550,293. 13 Claims. (Cl. 175—312.)



13. The combination of an electric circuit controlling device, a driving shaft therefor, a member pivoted on said shaft connected to said device, a plunger carried by said member biased to couple said member to said shaft, said member and said plunger having inter-related cam surfaces for causing said plunger to uncouple said member from said shaft when said plunger is turned on its axis, a tripping element adapted to be engaged by said plunger to turn said plunger until said cam surfaces have such relationship as to cause the plunger to uncouple said member from said shaft, and means whereby said tripping element may be adjusted to different positions.

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1,559,390. AQUAPLANE. FRED WALLER, New York, N. Y. Filed Aug. 22, 1925. Serial No. 51,766. 16 Claims. (Cl. 9—11.)

1. An aquaplane of the character described comprising in combination, a towing bridle, a pair of boards connected thereto and moveable vertically relative to each other.

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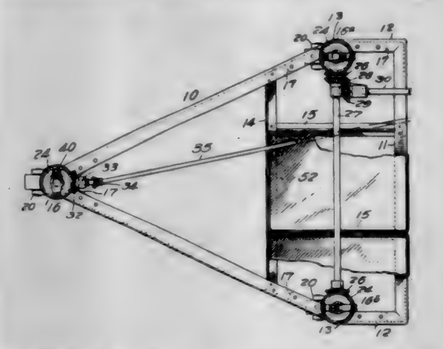
1,559,391. AUTOMOBILE LIFTING DEVICE. FREDERICK WATERS, Lyons Falls, N. Y. Filed July 1, 1924. Serial No. 723,579. 2 Claims. (Cl. 254—7.)

1. In an automobile lifting device, a main frame having the forward portion triangular in plan and the rear portion rectangular in plan, supporting rollers at the corners of the triangular portion of the frame, lifting jacks at the corners of the triangular portion of the frame, means connecting the lifting jacks at the base portion of the triangular part of the frame for simultaneous operation, means operative beyond the rectangular portion of the frame for independently operating the jack at the apex of the triangular portion, means for operating the connected jacks at the base of such triangular portion, and receptacle supporting means extending in both directions beyond the means connecting the jacks at the base of the triangular portion of the frame.



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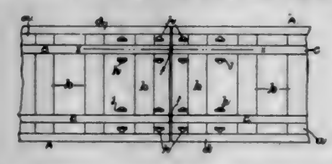
1,559,392. TOY RAILWAY LINE. ERNEST WHITELEY, Liverpool, England, assignor to Barringer, Wallis and Manners Limited, Mansfield, England. Filed Feb. 28, 1924. Serial No. 695,701. 2 Claims. (Cl. 238—10.)



2. A toy railway section as claimed in claim 1, adapted to be connected to an adjacent rail section and further characterized by the connecting pin being secured when partially inserted in a rail by the aid of a tongue formed out of the metal of the rail section adjacent to the entered portion of the pin, and which tongue is forced inward to clinch the pin in position.

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1,559,393. PROCESS FOR TREATING RUBBER AND SIMILAR MATERIALS AND TO THE PRODUCTS OBTAINED THEREBY. THEODORE WHITTELSEY, Upper Montclair, and CHARLES E. BRADLEY, Montclair, N. J., assignors to The Naugatuck Chemical Company, a Corporation of Connecticut. Filed Feb. 19, 1920. Serial No. 359,818. 11 Claims. (Cl. 18—53.)

1. A process for vulcanizing rubber which consists in treating rubber with a substantially halide-free reaction product of a sulphur halide and an amine, said reaction product having the structural formula $RS_2$, where R represents a nonhalogen substitution, and vulcanizing the rubber.

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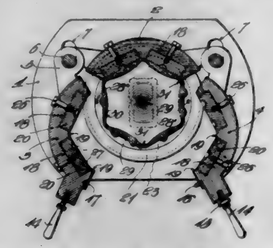
1,559,394. MOLD FOR MAKING GLASS SIGN PLATES. JOSIAH H. WILLIAMS, Baltimore, Md. Filed May 4, 1923. Serial No. 636,669. 9 Claims. (Cl. 49—70.)

1. A mold for blowing glass bottles having character bearing sides separable from each other to form sign plates, said mold having a forming chamber provided with

angularly related bottle side forming walls of a predetermined width and relatively narrower corner angle forming walls disposed between adjacent bottle side forming walls and arranged at oblique angles thereto,



each bottle side forming wall being provided with a character molding die surface and a flat die surface extending beyond said character molding die surface to and intersecting adjacent corner angle forming walls.

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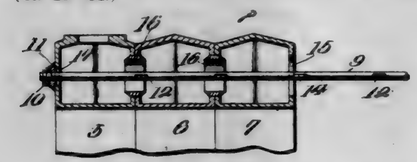
1,559,395. DEVICE FOR ERECTING SECTIONAL STEAM OR HOT-WATER CAST-IRON BOILERS OR THE LIKE. ROBERT T. WITHERS, New Castle, Pa. Filed July 1, 1924. Serial No. 723,608. 8 Claims. (Cl. 29—84.)



1. A device for assembling a sectional boiler or the like, comprising a tie rod adapted to be passed through said sections, said tie rod carrying means intermediate the length of the tie-rod for forcing the sections together.

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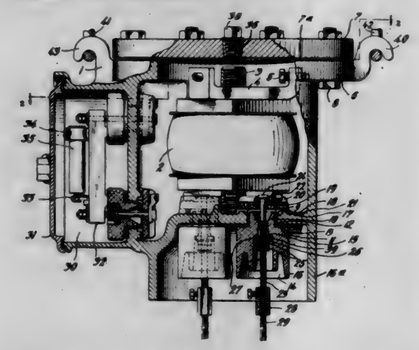
1,559,396. LOADING-COIL CASE AND THE LIKE. CHARLES R. YOUNG, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Dec. 28, 1918, Serial No. 268,765. Divided and this application filed July 9, 1923. Serial No. 650,321. 6 Claims. (Cl. 175—361.)



1. The combination with a casing for loading coils and the like, having insulating bushings having coaxial parts interior and exterior of said casing, and conducting means retained thereby extending through the wall of said casing, of sealing gaskets between the exterior part of said insulating bushing and said casing and between said conducting means and bushing, and a washer concentrically surrounding said gasket, and means for making said washer practically impervious to insects.

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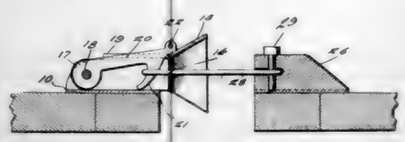
1,559,397. AUTOMATIC COUPLER. ZACHRY M. AUSHEAR, Lothair, Ky. Filed Jan. 25, 1924. Serial No 688,544. 2 Claims. (Cl. 213—179.)



1. A coupling device comprising, in combination, a supporting member carrying a draft link and adapted to be mounted upon an end of a car to be coupled to another, and a cooperating coupling member comprising a support having spaced upstanding flanges, an open bottomed housing pivoted between said flanges and having a flaring entrance, the top of the housing being slotted, and an elongated hook pivoted on said pivot and lying within said slot with its bill portion extending downwardly across the housing and inclined rearwardly, the bill being adapted to be engaged and lifted by said link.

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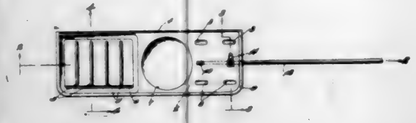
1,559,398. BATHROOM FIXTURE. HANS H. ANDERSON, Chicago, Ill. Filed Aug. 16, 1924. Serial No. 732,541. 1 Claim. (Cl. 45—32.)



A fixture of the class described including a rod, a body plate having an opening therethrough, a beading on the edges of said plate, a yieldable tongue stamped out from the body plate between the opening and one edge thereof, said tongue being normally projected below the lower surface of the body plate, offset retaining bends on one end of the rod adapted to be inserted through the opening and engaged with the upper surface of the body plate, said rod being engaged between the beading and the yieldable tongue for supporting the same in a horizontal position.

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1,559,399. PROCESS OF DECOLORIZING AND REFINING GUMS AND RESINOUS PRODUCTS OF CONIFEROUS PINE TREES. ALFRED R. AUTREY, Port Arthur, Tex. Filed Aug. 13, 1924. Serial No. 731,870. 4 Claims. (Cl. 203—4.)

1. A process which comprises agitating gum turpentine material with dried fuller's earth and filtering, thereafter distilling with steam at a temperature not above 315° F.

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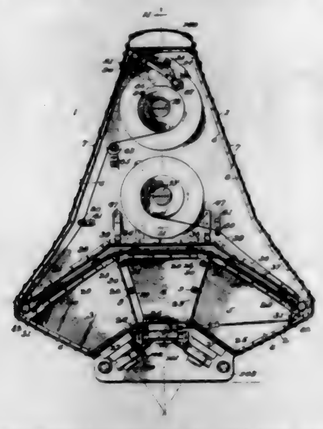
1,559,400. AERO CAMERA. JAMES W. BAGLEY, Fayetteville, Tenn., and CARL H. AU, Washington, D. C. Filed Apr. 4, 1921. Serial No. 458,208. 7 Claims. (Cl. 95—18.)

1. In an aero-camera, the combination of a casting having a magazine compartment for receiving a roll film sensitive surface, a lens compartment separable from said magazine compartment and provided with a plurality of lenses having their axes in a common plane and their focal planes inclined to each other, and film supporting frames between said compartments adapted to support



the photo-sensitive surface in the said focal planes, said frames being provided with photo-registering notches adapted to locate a predetermined point on the negative.

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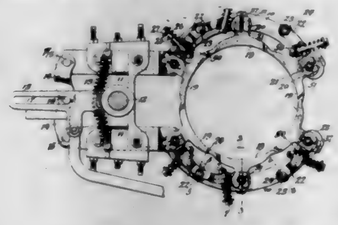
1,559,401. COMPRESSING MECHANISM FOR BARREL-MAKING MACHINES. EDWIN F. BEUGLER, Buffalo, N. Y., assignor to E. & B. Holmes Machinery Co., Buffalo, N. Y., a Corporation of New York. Filed June 17, 1924. Serial No. 720,568. 9 Claims. (Cl. 147—4.)



1. A machine of the character described, comprising compressor arms adapted to embrace a barrel, a plurality of supporting links each pivoted at one end on one of said arms, compressor jaws each pivoted on the opposite end of one of said links, stop means for arresting the inward movement of each of said links on its respective arm, and tension means for holding each of said links yieldingly in its innermost position.

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1,559,402. AUTOMOBILE STEERING CONNECTION AND METHOD OF MAKING THE SAME. RALPH H. BOARDMAN, New Britain, Conn., assignor to The Stanley Works, a Corporation of Connecticut. Filed June 15, 1922. Serial No. 568,391. 21 Claims. (Cl. 287—90.)

9. That improvement in the art of drag-links for use in automobile steering connections which consists of a rod formed from a rod of uniform diameter and having a portion slightly spaced from one end swaged up to form an abutment and an end stud, a drawn socket member of wrought metal having an end wall provided with an opening receiving said stud, and a drawn reinforcing cup of wrought metal fitting snugly within the inner end of said socket member and having an end wall provided with an opening receiving said stud, the outer end of said stud being swaged to form a head between which and said abutment, said end walls of said socket member and cup are securely clamped.

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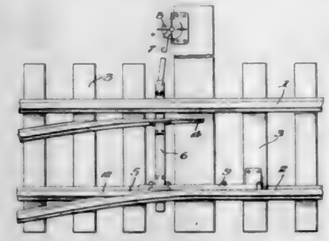
1,559,403. SAFETY-BAR ATTACHMENT FOR RAILWAY SWITCHES. E LEE BREWER, Dallas, Tex. Filed June 27, 1925. Serial No. 40,017. 3 Claims. (Cl. 246—437.)



1. The combination of a railway rail, and a switch point, an extension for said switch point in position to be seated under a portion of said rail, said extension having a flange thereon provided with a diagonal inner surface in position to be engaged by the rolling stock, in the event of the switch being only partly closed for directing said rolling stock over the switch point.

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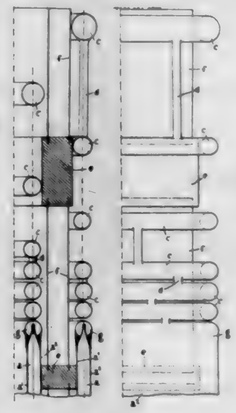
1,559,404. HIGH-TENSION ELECTRICAL CONDENSER. PAUL BUNET, Moissy-Cramayel, France. Filed Apr. 14, 1921. Serial No. 461,247. 12 Claims. (Cl. 250—41.)

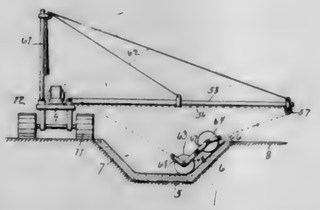


1. A high tension electrical condenser comprising electrodes separated by a dielectric, each of said electrodes comprising rods of substantially circular cross section permanently electrically connected together so as to prevent sparking between the parts, the distance between successive rods of each electrode, at the margin thereof gradually increasing towards the edge of the electrode.

1,559,405. PROCESS OF MAKING TETRA-ALKYL LEAD. WILLIAM S. CALCOTT, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 5, 1922. Serial No. 592,598. 20 Claims. (Cl. 260—11Pb.)

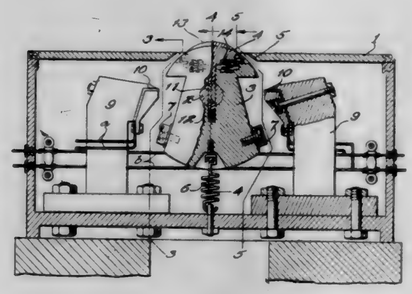
1. The process of producing a tetra-alkyl lead which comprises treating lead with an alkyl halide in the presence of a catalyst of the type used for the Grignard synthesis, and subjecting the mixture to the action of a sufficient quantity of a reducing agent to effect reduction to a lead dialkyl, and converting the latter by heat into tetra-alkyl lead, the quantity of said reducing agent being substantially less than the equivalent of four atoms of nascent hydrogen, for each molecule of the lead used.

1,559,406. SURFACE-ROLLING DEVICE. FRANCIS L. CARSON, Berkeley, Calif. Filed Aug. 4, 1924. Serial No. 730,115. 3 Claims. (Cl. 61—63.)



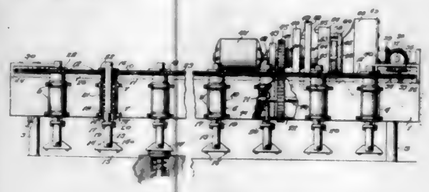
3. A surface rolling machine comprising a vehicle, a boom carried thereby, a compressing element connected to said boom and vehicle, means operative from the vehicle for actuating the compressing element, and a source of power embodied in the vehicle for actuating the said means.

1,559,407. SWITCH CONTROLLER. WALTER CARTER, Johnstown, Pa. Filed Nov. 3, 1924. Serial No. 747,649. 2 Claims. (Cl. 246—246.)



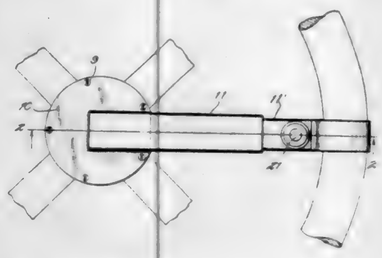
1. A device of the class described comprising a casing, a member tiltably mounted therein and having a part projecting from the casing, a spring for holding the member in its central position, bridging contacts on the member, pairs of contacts which are bridged by the bridging contacts when the member is in its tilted position, circuits to which the pairs of contacts are connected, means for locking the member against tilting movement and a depressible part carried by the projecting part of the member for moving the locking means to inactive position.

1,559,408. VALVE-GRINDING MACHINE. THOMAS W. CLARKE, Seattle, Wash. Filed July 14, 1923. Serial No. 651,567. 7 Claims. (Cl. 51—29.)



1. In a valve-grinding machine, the combination of a supporting frame, a plurality of valve-engaging and turning members mounted upon the frame for vertical sliding movement and for rotation in a horizontal plane, means for rotating said members, means for yieldably holding said members in their lower positions, a cam shaft mounted in the frame, means for rotating said cam shaft, a plurality of levers fulcrumed upon the frame intermediate their ends and each provided at its front end with a fork engaging and supporting one of said valve-engaging members, and pusher arms at the rear ends of the levers engaging the cam shaft.

1,559,409. CIRCUIT-CLOSER MOUNTING. JOSHUA W. DAVIS, Sumter, S. C. Filed Dec. 10, 1924. Serial No. 755,111. 2 Claims. (Cl. 200—59.)



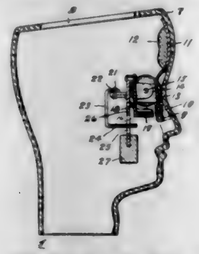
1. The combination with a steering wheel and its post, of a casing loosely supported on the post, a tube extending from the casing, an expansible hollow arm telescopically engaged with the tube, a circuit closer carried thereby and arranged in close proximity to the rim of the wheel, a serrated disk fixed to the steering wheel post and arranged within the casing and a spring urged detent in the tube and engaging the serrated disk whereby to lock the arm thereto.

1,559,410. EYE-OPERATING MECHANISM FOR DOLLS. ROMAIN DE BERSAQUES, Seattle, Wash. Filed May 10, 1922. Serial No. 559,950. Renewed Apr. 13, 1925. 1 Claim. (Cl. 46—40.)

The combination with a doll's head, of a socket secured within the nose portion of said doll head, a supporting bar arranged to fit within said socket and to be cemented to the forehead portion of said doll head, a fixed bracket projecting rearwardly from said supporting bar, an arm connected with said fixed bracket and protruding downwardly, a transverse bar supported by said arm, an eyeball supporting bracket pivoted to each end of said transverse bar, an eyeball secured to each eyeball supporting bracket, an actuating bar connecting said two eyeball supporting brackets, a weight arm pivotally connected with said fixed bracket, a weight

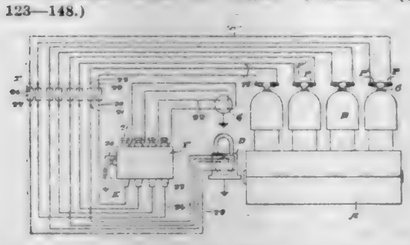


on the lower end of said weight arm and means connecting said weight arm with said actuating bar for



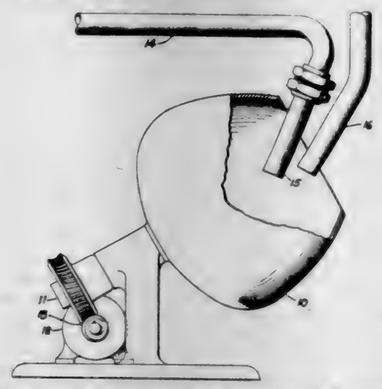
moving said actuating bar to turn said eyeball supporting brackets in response to sidewise tilting movement of said doll head.

1,559,411. DOUBLE SPARK-IGNITION SYSTEM. FERNANDO M. ESPINOSA, Suchitoto, Salvador. Filed Dec. 5, 1923. Serial No. 678,745. 2 Claims. (Cl. 123—148.)



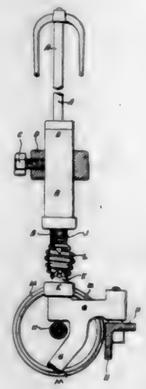
1. In an internal combustion engine, a duplex ignition system including the use of two sets of plugs, an ignition system for supplying current to one set of plugs, an ignition system for supplying current to the other set of plugs and a test device interposed in the circuit of both systems and including auxiliary gaps operating to give a visible indication whereby to facilitate synchronizing the sparks of both systems.

1,559,412. METHOD OF PRODUCING CHOCOLATE-COATED CONFECTIONS. JULIUS R. FRANZEN, San Francisco, Calif., assignor to Ernest Wilson, Palo Alto, Calif. Filed Nov. 13, 1924. Serial No. 749,582. 5 Claims. (Cl. 91—68.)



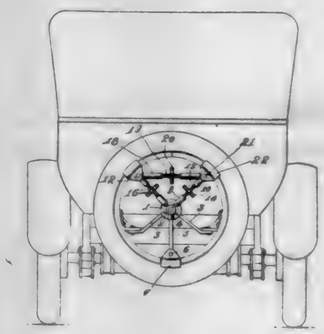
1. A method of producing chocolate-coated confections which consists of placing the objects to be coated in a revolving vessel, rotating the vessel to cause the objects to roll over each other, applying melted chocolate gradually over said objects, and subjecting the contents of the vessel to a temperature below 70° Fahrenheit, whereby to bring about hardening of the chocolate before a ball or mass forms in the vessel such as would interfere with free rolling of the individual pieces.

1,559,413. DRIVING MECHANISM FOR SPINNING AND LIKE SPINDLES. GORDON FRASER, NORMAN FRASER, and JOHN FRASER, Arbroath, Scotland. Filed Feb. 5, 1924. Serial No. 690,744. 2 Claims. (Cl. 74—26.)



1. In driving mechanism for spinning and like spindle, caps on the lower end of the spinning spindle and on the upper side of the driving wharve, and a spiral spring coupling extending between and secured to these caps.

1,559,414. TIRE CARRIER. BEN H. FREELAND, Peru, Ind. Filed Feb. 28, 1925. Serial No. 12,389. 2 Claims. (Cl. 224—29.)



1. A combined spare tire carrier and rim expander for automobiles including a support having a socket, an arm having one end in the socket, a two-part rim engaging clamp adjustably secured on the arm, upwardly inclined radially disposed arms pivotally secured on the support comprising inner and outer socket members having threaded bores of different hand pitches, a screw having its end provided with different hand pitches re-

ceived in the sockets, an apertured head centrally on the screw, two-part rim engaging clamps on the outer sockets, and binding means between said clamps and said sockets.

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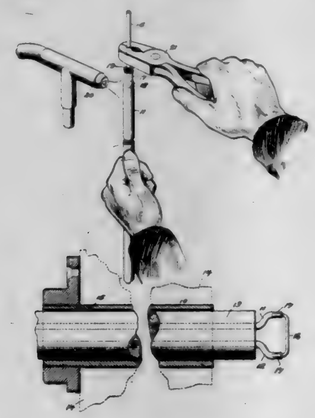
1,559,415. METHOD OF WELDING. TRUMAN S. FULLER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 20, 1922. Serial No. 562,308. 4 Claims. (Cl. 113—112.)



1. The method of joining two metallic rods having dissimilar melting points which consists in forming a recess in the one having the higher melting point, inserting the other in said recess, securing the two by compressing the walls of said recess, applying a flux to the joint thus formed, and then heating the joint until the rod having the lower melting point fuses at the joint and unites with the other, while holding said rods in such position that said recess forms a receptacle for the portion of the rod inserted therein.

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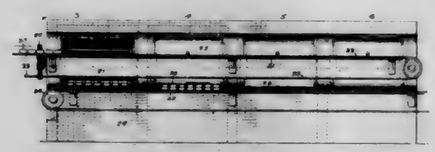
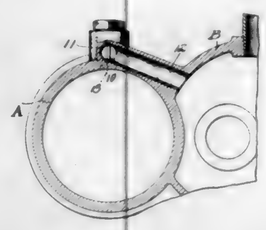
1,559,416. BAKER'S OVEN. JOHN M. GANTVOORT, Beacon, N. Y. Filed Feb. 9, 1921. Serial No. 443,591. 3 Claims. (Cl. 107—57.)



1. In a baker's installation, a battery of juxtaposed ovens having substantially aligned bays projecting from one end of the ovens, traveling supports within the ovens, baking shelves carried thereby and entering said bays during portion of their travel, and entry and discharge openings in said bays.

2. In a baker's installation, a battery of juxtaposed ovens having substantially aligned bays projecting from one end of the ovens, traveling supports within the ovens, baking shelves carried thereby and entering said bays during portion of their travel, and entry and discharge openings in said bays in combination with traveling conveyors, common to said battery of ovens and arranged respectively adjacent the entry and discharge openings in the bays, for the purpose specified.

1,559,417. STEAM-CYLINDER RELIEF FOR ENGINES. PERRY HOMER GENTZEL, Newton, Mass. Filed Oct. 24, 1919. Serial No. 332,934. 2 Claims. (Cl. 131—134.)



1. In a steam engine, the combination of a horizontal cylinder, a steam chest formed integrally with said cylinder said cylinder having an opening through its wall closely adjacent each end with a longitudinally disposed passage in said cylinder, wall forming communication between said openings and also having a transversely disposed downwardly directed passage contained entirely in said wall and forming communication between the intermediate portion of said longitudinally disposed passage and said steam chest, a valve seat formed in each of said openings, a gravity operated valve disposed in each of said openings above said seat, and a removable closure plug in the outer end of each of said openings, substantially as set forth.

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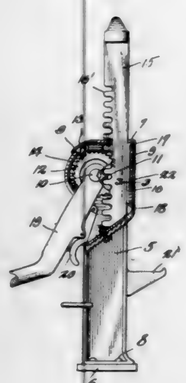
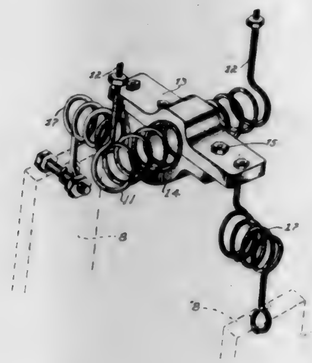
1,559,418. JACK. JOHN E. GILCHRIST, deceased, late of South Bend, Wash., by Charles A. Werley, South Bend, Wash., executor. Filed July 1, 1925. Serial No. 40,897. 4 Claims. (Cl. 254—95.)



1. A lifting jack comprising a body portion a housing forming a part of the body portion, a lifting bar movable through the body portion and having teeth formed along one of its edges, a pinion meshing with the teeth of the lifting bar, means for operating the pinion to move the lifting bar vertically, a bearing plate supported within the housing and contacting with the lifting bar, and removable means positioned between the bearing plate and body portion for moving the bearing plate into engagement with the lifting bar.



1,559,419. EXERCISING APPARATUS. MORRIS GOLOMB, New York, N. Y. Filed Mar. 27, 1925. Serial No. 18,913. 8 Claims. (Cl. 272—76.)



1. A boxing dummy, comprising an inflatable body portion, a rigid base structure, independent coil springs carried by the base structure, a clamp supported by and between said coil springs, and a coil spring carried by the clamp with its terminals secured to the body portion.

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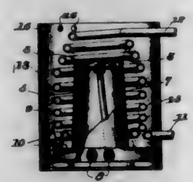
1,559,420. GAS WATER HEATER. ISAAC GORDON, New York, N. Y. Filed Jan. 9, 1924. Serial No. 685,272. 7 Claims. (Cl. 126—53.)



1. A heating system including a burner having an upper and a lower series of jet holes, a water coil surrounding the burner and arranged directly over the lower series of holes, the upper portion of the coil having an opening therein so that flames from the upper series of jet holes may be applied vertically and directly to a cooking utensil adapted to be arranged thereover.

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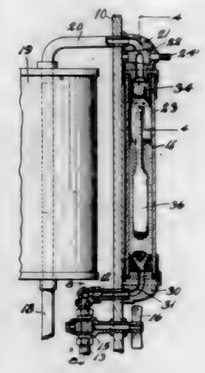
1,559,421. BATTERY-TESTING APPLIANCE. WILLIAM H. GREET, Starkville, Colo. Filed Nov. 29, 1924. Serial No. 752,987. 9 Claims. (Cl. 265—45.)

1. In a battery testing appliance, an indicating instrument, a plurality of ways leading therefrom provided with independent cut off means, a plurality of conduits extending from said ways to the separate cells of the battery, means for applying an air suction to said indicating instrument comprising an air tension line extending therefrom to the engine manifold, and a controlling valve in said air line intermediate the instrument and source of air suction adapted to establish communication with the instrument or with atmospheric pressure.



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1,559,422. TOY. FRANK J. HANLEY, New York, N. Y. Filed July 25, 1924. Serial No. 728,217. 1 Claim. (Cl. 272—85.)

A toy device, which comprises a handle, a wheel rotatably mounted on one end thereof, said wheel being grooved, a stub shaft mounted on the handle with its axis at right angles to the axis of the wheel, a sleeve on the stub shaft, a pin wheel element rotatably mounted with the sleeve on the stub shaft, a belt connecting the pin wheel element to the wheel, said belt travelling in said groove, and an eye on the handle adjacent the wheel through which the belt travels whereby it can be guided to hold it in the groove.

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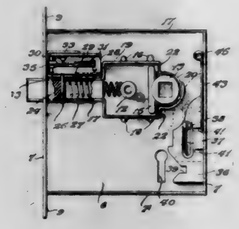
1,559,423. LOCK. WILLIAM H. HARTZLER, Pleasant Hill, Mo. Filed Oct. 3, 1923. Serial No. 666,357. 1 Claim. (Cl. 292—333.)

In a lock, the combination with a lock case, of a bolt slidably mounted therein, means whereby the bolt may be projected or retracted, a stop member on the bolt, a bracket secured within the lock case immediately adjacent the bolt, a detent slidably supported by said bracket for movement transversely of the bolt, an arm on the

detent disposed longitudinally of the bolt between the bolt and the bracket to be guided thereby and adapted to lie at the side of the stop element on the bolt between the same and the side of the lock case or engage



in front of the stop element, a tongue projecting laterally from the detent through the side of the lock case, and a spring housed within the bracket and acting upon the detent tending constantly to project the arm thereon into the path of the stop member on the bolt.

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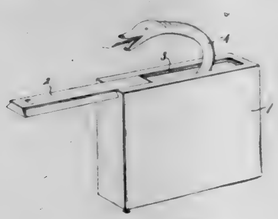
1,559,424. TOY. JOSEPH A. HAY, Gary, Ind. Filed Mar. 7, 1923. Serial No. 623,471. 1 Claims. (Cl. 46—40.)



A toy of the class described, comprising a box, a sliding cover for the box, said box having an opening in one end directly under the cover, a U-shaped figure made to represent a snake having one end pivoted in the box so that its other end can project from the box, a pin extending transversely through the box adjacent the pivotal point of the figure and a string connected with the bottom of the cover and with the figure near its pivotal end and adapted to be guided by the pin.

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1,559,425. BARBER'S CHAIR. ESTHER T. HEHN, Sioux City, Iowa. Filed June 20, 1924. Serial No. 721,298. 2 Claims. (Cl. 155—132.)

1. In a barber's chair, a back including a lower stationary upholstered section, and an upper movable upholstered section normally arranged vertically and flush with the lower section, means for supporting the upper section for pivotal movement whereby said section is capable of being swung to a horizontal position for use as an auxiliary seat, said section being also mounted for vertical adjustment to vary its height when used as a seat, said seat having a recess adjacent one end thereof, a pivoted locking element designed to be received by said recess and engaging said seat to hold it in a vertical position, and a rod mounted for sliding movement and connected with the locking element to effectively release said seat, and simultaneously move the seat from its vertical to a horizontal position.

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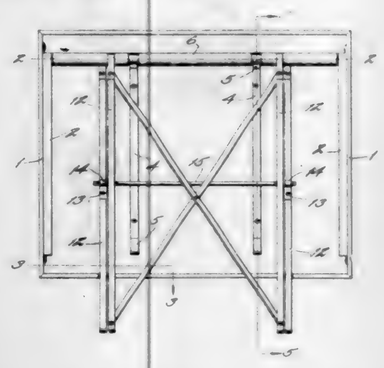
1,559,426. TABLE. FRANK J. HEKRDLE, Davidson, Saskatchewan, Canada. Filed Apr. 1, 1925. Serial No. 19,958. 1 Claim. (Cl. 45—11.)



A table top having depending flanges provided with channeled guides, a pair of bars having their ends contacting the guides, trunnions on the ends of one of the bars received in the guides, wheels journaled on said trunnions, legs arranged in crossed pairs hingedly associated with the respective bars, means pivotally connecting the respective pairs of crossed legs, rails on which the crossed bars travel when the legs are in set-up or are in folded position, and said rails having upset ends limiting the movement of the bars on the rails in both directions.

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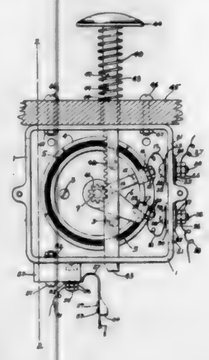
1,559,427. COMBINATION HEADLIGHT-DIMMING AND SPOTLIGHT-CONTROLLING MEANS. GROVER H. HEMPHILL, Dayton, Ohio. Filed Sept. 15, 1923. Serial No. 663,010. 4 Claims. (Cl. 201—48.)



1. A dimmer rheostat comprising a resistance winding, a contact movable along said resistance winding, means for shifting said contact to different positions on said winding, and an electrical adjustable contact adapted to be engaged by the shifting means for the first contact when the latter is at a desired point on the resistance winding.



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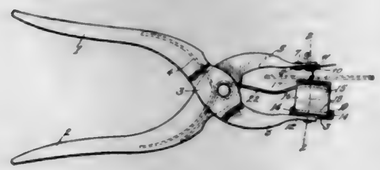
1,559,428. PIN-TAG-FASTENING TOOL. WILLIAM C. HENNIKSEN, Hubbleton, Wis. Filed May 6, 1925. Serial No. 28,432. 3 Claims. (Cl. 1—50.)



3. In a pin tag fastening tool, a pair of handle members having opposing jaws, one of which being provided with an extension, a plate with guides mounted on the extension, a pin prong separating element comprising spreading plates mounted in said guides, the separating element being spring tensioned, the other jaw being provided with means for holding a pin tag, whereby upon the jaws coming together, the prongs of the pin carried by the tag penetrate the material to which it may be fastened so that when the plates spread the prongs are spread and clinched, the guides of the first plate having abutments to limit the plates of the element during their movements toward each other.

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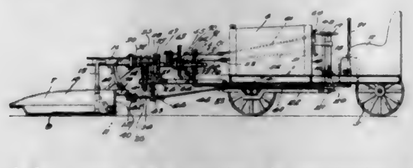
1,559,429. SUGAR-CANE-CUTTING MACHINE. UMEJIRO HIRAI, Honolulu, Hawaii. Filed Oct. 28, 1922. Serial No. 597,582. 5 Claims. (Cl. 56—25.)



1. In a cane cutting machine, the combination of a wheeled frame, means for steering the frame, a longitudinal vertically swinging lever fulcrumed on the frame and extending forwardly therefrom, manually operable means on the frame to depress the rear arm of the said lever, a head carried by the forward arm of said lever, a spring supported pin movable vertically relative to said head, a clevis journalled in said pin and movable in said head, a bar pivotally connected at an intermediate point of its length to said clevis, cutting blades connected with and disposed in a horizontal plane below said pivotal bar, a pendent curvilinear rack connected at its ends to and arranged below said bar, an arcuate rack connected at its ends to and disposed in rear of the pivoted bar, connections extending rearwardly from said pivoted bar, a rack bar carried by said connections, a rack bar connected with the blades, gears intermeshed with said rack bars, and manually-operable devices on the frame and connected with said gears for the actuation of the latter.

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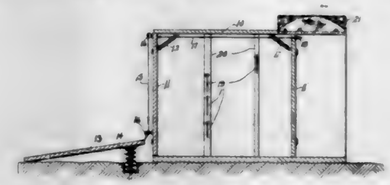
1,559,430. LIVESTOCK FLYTRAP. JAMES B. HOCKERSMITH, Taylorville, Ill. Filed Feb. 2, 1924. Serial No. 690,251. 2 Claims. (Cl. 119—156.)

1. A device of the character described comprising a cabinet open at both ends and through which an animal is adapted to pass, a normally elevated platform adapted to be depressed by the weight of the animal, swinging doors normally closing the ends of the cabinet, means for automatically swinging the doors to an open position when the platform is depressed, means arranged



within the cabinet for removing insects from the body of the animal, and a trap supported by the cabinet and adapted to receive said insects.

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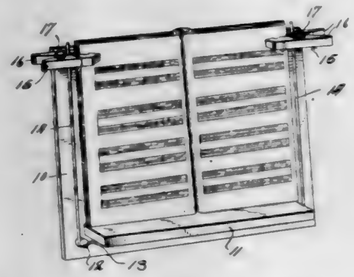
1,559,431. BOOK-SUPPORTING DEVICE. THOMAS W. HOGSETT, Marlinton, W. Va. Filed Feb. 26, 1925. Serial No. 11,834. 2 Claims. (Cl. 45—61.)



2. A music and book holder of the character described comprising a back plate having a ledge along its lower edge upon which the lower edge of the book may rest, studs formed at the lower corners of the plate, a resilient wire extending longitudinally below the ledge wrapped around said studs and then extending upward and outward, and spring clamps longitudinally movable upon the wires and embodying two opposed spring-actuated jaws, the ledge being cut away to accommodate the upward bow of the resilient wire.

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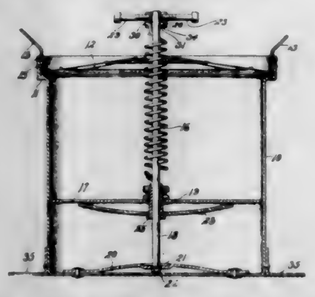
1,559,432. FEED RECEPTACLE FOR POULTRY. OLAF HOSTAD, Sullivan, Mich. Filed Dec. 14, 1923. Serial No. 680,702. 2 Claims. (Cl. 119—60.)



1. In a device of the class described, a receptacle, a spindle mounted centrally and vertically thereof, a screen mounted in the receptacle, a disk therein slidable on the spindle, a spring connected with the disk, a slotted

sleeve on the spindle, and a pin fixed in the upper end of the spindle for locking the sleeve against sliding movement under the action of the spring, but permitting sliding movement when the sleeve is rotated to permit the slotted portion thereof to pass the pin, the sleeve having an inner annular recess and having an aperture extending outwardly from the recessed portion, for receiving the end of the spring.

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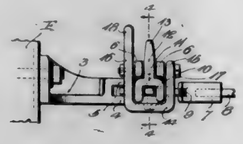
1,559,433. GRATE SHAKER. JOHN W. HULSON, Keokuk, Iowa, assignor to Hulson Grate Company. Filed Dec. 18, 1924. Serial No. 756,759. 4 Claims. (Cl. 126—169.)



1. A grate shaker comprising a supporting bracket, a grate shaking arm fulcrumed thereto on a horizontal axis and having an upstanding lug, a forked locking member pivoted on the bracket on a horizontal axis transverse to the fulcrum of the shaking arm and adapted to be swung to a substantially vertical released position or to a horizontal operative position in which it straddles said lug, and a movement limiting yoke pivoted to the bracket co-axially with said locking member, said yoke embracing said locking member and being movable to a horizontal operative position in which its side arms are disposed in the path of said lug to limit the movement of the shaking arm, said yoke being also movable to a substantially vertical released position.

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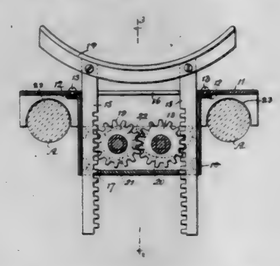
1,559,434. BEAM REST. WILLIAM IMBT, East Stroudsburg, Pa. Filed July 1, 1924. Serial No. 723,562. 4 Claims. (Cl. 28—32.)



1. In a beam rest for use in removing beams from warping machines, a frame having members adapted to rest on the frame bars of a warping machine, a yoke adapted to be disposed beneath the warp beam and mounted in said frame to be raised or lowered, and means to raise said yoke for throwing the weight of the beam on the yoke.

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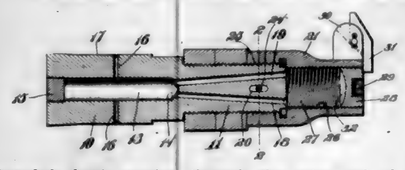
1,559,435. CROSSHEAD PIN AND LUBRICATOR THEREFOR. FRED W. JACKSON, Needles, Calif. Filed May 12, 1925. Serial No. 29,771. 2 Claims. (Cl. 308—120.)

1. In combination with a pin having a body and a reduced threaded shank, an axial bore formed in the body from the end thereof remote from said shank and of less length than the body, the outer end of said bore being plugged, the body having ports communicating with said bore and with the bearing surface of the pin, said shank having a reduced bore communicating with the bore of the body, a retaining element for the pin mounted upon the pin and extending beyond the end thereof and having a bore communicating with the outer end of the pin, a plug threaded in the outer end of the bore and means for retaining the plug within the bore, the bore of said



threaded shank opening through the outer end of the threaded shank adjacent the perimeter thereof and angling inwardly longitudinally of the shank for communication with the inner end of the bore of the body, the threaded shank having a diametrically extending slot elongated upon the axis of the shank and adapted for the passage of a cotter key for the retaining element.

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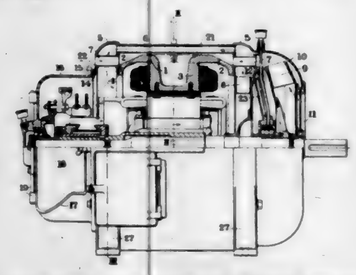
1,559,436. DYNAMO-ELECTRIC MACHINE. HENRY CHARLES EDWARD JACOBY, London, England. Filed Mar. 12, 1925. Serial No. 15,069. 4 Claims. (Cl. 171—252.)



1. An enclosed dynamo electric machine comprising a magnet ring having reduced ends, a system of hot-air cooling tubes arranged around and in close proximity to the larger diameter of said magnet ring, annular attachments fitted on the reduced ends of said magnet ring for supporting said system of hot-air cooling tubes, a system of cold-air ducts also supported by said annular attachments and arranged around and in close proximity to the reduced ends of said magnet ring, means for circulating the hot internal air of the machine through said hot-air cooling tubes, and means for creating a current of cold air through said cold air ducts into contact with the exterior of said hot-air tubes and of said magnet ring, substantially as and for the purpose hereinbefore set forth.

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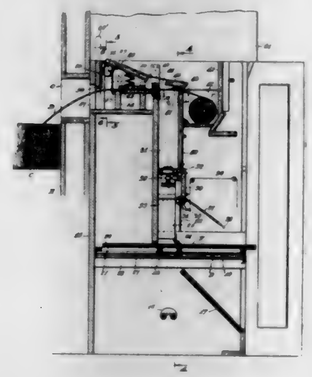
1,559,437. DOUBLE-IMAGE RADIO PICTURE. CHARLES FRANCIS JENKINS, Washington, D. C. Filed May 5, 1925. Serial No. 28,223. 9 Claims. (Cl. 179—6.)

1. The combination of means for forming an image of an object, means for giving linear movement to said image, means for forming an image of said first image, means for giving linear movement to said second image a plurality of times and at approximately right angles to the movement of said first image, and a light sensitive cell located to be swept by said second image.



1,559,438. MACHINE FOR PRINTING PHOTOGRAPHS. ANATOL M. JOSEPHO, New York, N. Y. Filed May 1, 1924. Serial No. 710,410. 10 Claims. (Cl. 88—24.)



1. In a photographic printing machine, a cabinet, a source of light in said cabinet at the lower portion, a plate holder slidably supported in the cabinet above the source of light and having means to hold a series of plates, a series of vertically disposed lenses above said frame, a second frame beneath the first frame and provided with various colored glasses, said second frame slidable to present a glass of a particular color to a position beneath a plate on the holder to be exposed, shutter means between the lenses and the first frame, means to hold photographic paper above the lenses, means to cause the paper to travel across the plane of the lenses, and means operable for severing the exposed zone of the paper.

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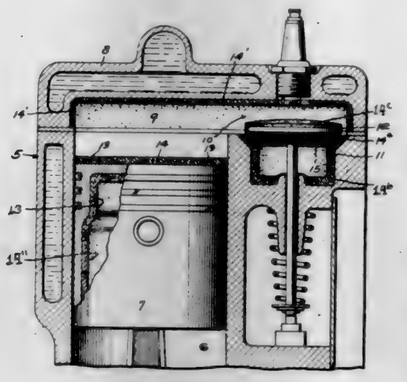
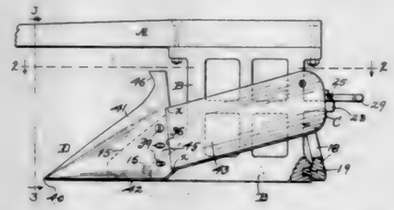
1,559,439. INTERNAL-COMBUSTION ENGINE. EDWARD W. KAFRAUN, Henry, Ill. Filed Jan. 16, 1925. Serial No. 2,889. 5 Claims. (Cl. 123—191.)



1. A composition for lining the interior parts of an internal combustion engine which are subjected to the presence of carbon deposits, comprising fused glass and aluminum.

1,559,440. PLOW. MARTIN KELP, Paris, Ohio. Filed Jan. 18, 1924. Serial No. 686,994. 7 Claims. (Cl. 97—31.)



1. A plow comprising a standard, a mold-board arranged in the main at one side of and supported from the standards and having a forward member which extends forwardly of the lower end portion of the standard and has a forwardly facing end face and an upwardly and laterally outwardly facing outer side, and a plow-share seated on said side and extending forwardly of said forward member of the mold-board and having a rear transverse edge at the rear extremity of said side of said member of the mold-board, the mold-board having a forwardly facing shoulder at and opposite said edge of the plow-share and also having an outer side which extends rearwardly from said shoulder and faces upwardly and laterally outwardly, and the plow-share having a rearwardly facing shoulder abutting against the aforesaid face and being secured, between said shoulders, to the aforesaid forward member of the mold-board.

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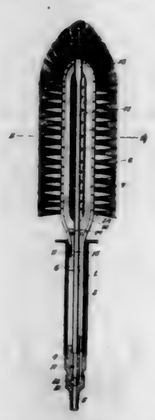
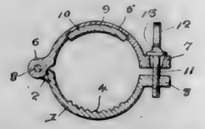
1,559,441. WASHING BRUSH. WILLIAM KUNDEL, Hoboken, N. J. Filed Sept. 20, 1924. Serial No. 738,850. 3 Claims. (Cl. 15—128.)



1. A washing brush, comprising a brush body provided with bristles and a handle extending from the end of the brush body longitudinally thereof, said handle being hollow, a centrally positioned pipe extending through said handle and entirely through the brush body but not through the bristles, a second pipe extending around the brush body near the base of the bristles and substantially through said handle, said first mentioned pipe being open at the end opposite the handle and the second mentioned pipe being provided with perforations at the part surrounding the brush body, and a single valve for controlling the flow of washing liquid to said pipes, said valve being connected with the end of said handle opposite that connected with said brush body.

1,559,442. EMERGENCY REPAIR PATCH FOR HOSE AND PIPES. ROBERT H. LACY, Richmond, Va. Filed Jan. 4, 1924. Serial No. 684,377. 1 Claim. (Cl. 137—99.)



A repair device for hose and the like, comprising two members of curvilinear cross-section, and means for holding the inner concave sides of the said members under pressure against opposite portions of a hose or the like; one of the members having at its inner side a packing pad projecting inwardly from its surface, and the other member having at its inner side a plurality of ribs extending in the direction of its length.

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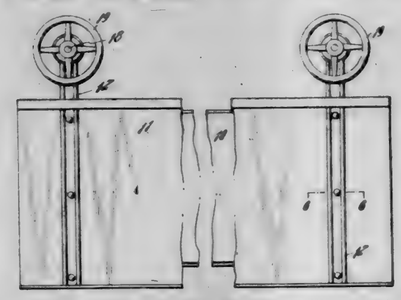
1,559,443. MOLD. WILLIAM THOMAS LANNING, Dunsmuir, Calif. Filed Mar. 12, 1925. Serial No. 15,035. 2 Claims. (Cl. 25—131.)



1. A mold of the character described comprising a plurality of stationary and movable mold sections alternately disposed in parallel realtion, spaced inner and outer pipes supporting the mold sections, means connecting the stationary mold sections with the outer pipe, means connecting the movable section with the inner pipe, and means for adjusting said inner pipe longitudinally of the outer pipe whereby the movable sections can be adjusted toward and away from the stationary sections.

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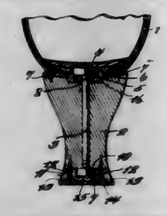
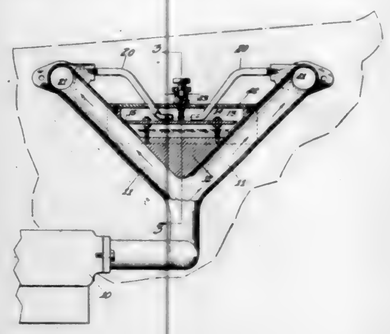
1,559,444. HEEL REENFORCEMENT AND SUPPORT. LARS R. LARSON, North Braddock, Pa. Filed Dec. 3, 1923. Serial No. 678,239. 1 Claim. (Cl. 36—34.)



In combination with a shoe embodying a high heel, a plate carried within the shoe at the heel portion thereof and conforming in shape thereto, said plate having means for engaging the shoe and heel to preclude relative turning movement of the three, and a bolt passing through the plate and heel, the plate having a depressed portion engaging a depression in the upper face of the heel and the bolt having a head seated in a recess formed by said depressed portion of the plate.

1,559,445. INTERNAL-COMBUSTION ENGINE. HENRY W. LAVIGNE, Worcester, Mass., assignor of one-half to Assaf G. Abysalh, Worcester, Mass. Filed Feb. 6, 1925. Serial No. 7,405. 2 Claims. (Cl. 123—25.)



1. The combination with an internal combustion engine having a pair of passages, of a water receptacle formed between the passages and supported by their walls, the front wall of said receptacle comprising a glass plate through which the level of the water can be observed, tubes extending from the top of said receptacle into the intakes of the engine for conducting into the engine with the combustible mixture, moisture formed in the top of the receptacle, and adjustable means for admitting air into the receptacle.

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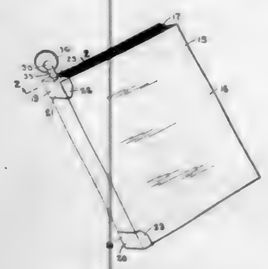
1,559,446. COMBINED CLAMP AND HANGER FOR BOOKS. AUGUST G. MASS, Cincinnati, Ohio. Filed Jan. 22, 1925. Serial No. 4,086. 6 Claims. (Cl. 129—38.)



1. In a device of the character described, the combination of a pair of end clamps arranged to be received about the opposite corners of a book at its back, tension clamping means connecting said end clamps for clamping said end clamps upon said book and said end clamps comprising side walls having movement endwise of said book, with said book serving as a spacer between said end-clamps for holding the same in separated relation, and swivel means at one end of said clamping means for supporting said device.

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1,559,447. LIQUID ELECTRODE. OTTO MEYER-KELLER, Luzern, Switzerland. Filed Aug. 12, 1921. Serial No. 491,778. 3 Claims. (Cl. 219—40.)

2. A liquid electrode comprising in combination an electrode and an insulating casing encircling the same, said casing comprising a plurality of sections having passage ways therebetween, said sections being substantially triangular in cross section, one of said sections being adjustable whereby the area of several of said passage ways may be varied, and said passage ways extending parallel to said electrode.

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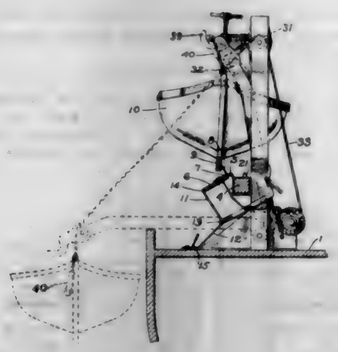
1,559,448. BOAT DAVIT. WARREN F. MILLS, San Francisco, Calif. Filed Jan. 13, 1925. Serial No. 2,093. 9 Claims. (Cl. 9—22.)



1. In a device of the character described, the combination of a support, a pair of vertically swinging davits thereon, tackle sets carried by the davits and adapted to be secured to and support a boat, and means on the free ends of the davits for supporting a boat in position further removed from the said support than when supported by the tackle sets and so arranged as to be automatically released in a manner supporting the boat entirely on the tackle sets when the boat is swung clear.

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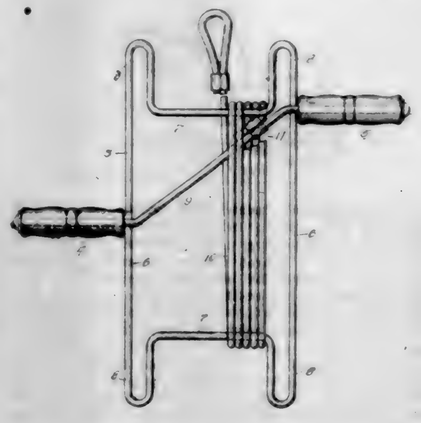
1,559,449. REEL. ERIK J. MORDT, Evanston, Ill. Filed Aug. 18, 1924. Serial No. 732,770. 3 Claims. (Cl. 242—96.)

1. A reel comprising a rectangular frame with sides 6—6 and ends 7—7 connected by integrally formed flanges 8, a wire 9 secured to the frame and having one end projecting from the frame in the center thereof



and the other end projecting from the other side of the frame at a distance from the center and rotatable handles secured to said projecting ends.

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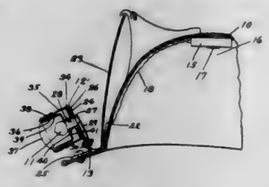
1,559,450. SHOE SOLE. LAURENCE M. OAKLEY, Trenton, N. J., assignor to Essex Rubber Company, Trenton, N. J., a Corporation of New Jersey. Filed Mar. 6, 1922. Serial No. 541,369. 2 Claims. (Cl. 36—32.)

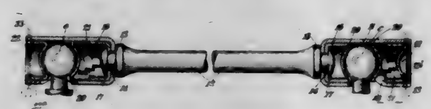
2. A shoe sole of molded resilient composition having a series of vacuum cups distributed over the area of the sole, each cup comprising an annular ring projecting beyond the normal plane of the sole and a depression within said ring which extends into the body of the sole, together with a central projection within the annular ring extending beyond the plane of the ring, said projection being resilient whereby it will yield to the plane of the annular ring under a predetermined pressure and the vacuum cup will be brought into operation.

1,559,451. FIREMAN'S HELMET-LAMP COMBINATION. EDWARD H. PARKER, New Britain, Conn. Filed Apr. 18, 1924. Serial No. 707,356. 2 Claims. (Cl. 40—60.)



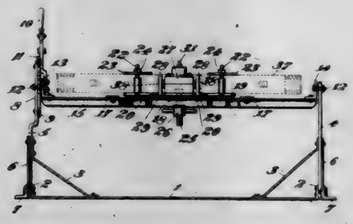
1. In a fireman's helmet-lamp combination, a helmet having a body and a brim projected forwardly from said body, a supporting plate projected upwardly from and positioned in spaced relation to said body, a lamp housing and supporting structure comprising a barrel-like side wall and a disc-like base at the rear end thereof and having a threaded sleeve for a lamp-base adjacent said base, said base being in face-to-face contact with the front face of said plate, a contact being positioned adjacent said plate at the rear side thereof, and said plate and base having clearance openings in line with said sleeve and contact for the free passage of a lamp-base engaged with said sleeve and cooperating with said contact.

1,559,452. AUTOMOBILE STEERING CONNECTION AND METHOD OF MAKING THE SAME. FRANK P. PRINDLE, New Britain, Conn., assignor to The Stanley Works, a Corporation of Connecticut. Filed June 15, 1922. Serial No. 568,412. 14 Claims. (Cl. 287—90.)



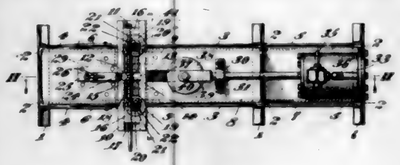
5. In a drag-link for automobile steering connections, a bearing-containing member, and a bearing contained therein consisting of a piece of sheet metal having a dished portion to form the bearing, and a skirt extending around the edge of said dished portion.

1,559,453. WELDING TABLE. LINDSAY C. PRITNER and LEWIS S. PAUL, Johnstown, Pa. Filed Nov. 4, 1922. Serial No. 599,098. 7 Claims. (Cl. 29—89.)



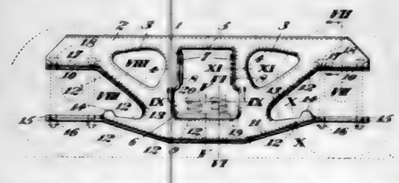
1. A welding table provided with a pair of fixed supports, a table having its ends journalled in said supports, means for rotating said table on said journals and for holding it in any inclined position desired, means on said table for securing a side frame of a railway truck thereto, and means for clamping and holding column guides in position against said frame.

1,559,454. BENDING MACHINE. LINDSAY C. PRITNER and LEWIS S. PAUL, Johnstown, Pa. Filed Nov. 4, 1922. Serial No. 599,099. 6 Claims. (Cl. 153—48.)



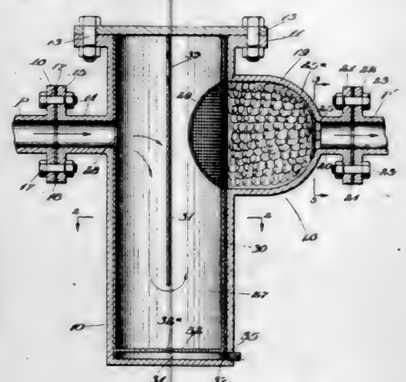
1. A bending machine comprising a platform, a grooved guide mounted thereon, a pair of slides mounted in the groove of said guide, a roller rotatably mounted on each slide, means for moving said slides toward and from each other, a reciprocable roller adapted to be moved toward or from the pair of adjustable rollers, and an adjustable stop in the rear of and between said adjustable rollers.

1,559,455. TRUCK FRAME. LINDSAY C. PRITNER, Johnstown, Pa. Filed Nov. 6, 1922. Serial No. 599,219. 20 Claims. (Cl. 105—205.)



1. A truck frame composed of one metal plate provided with inwardly extending overlapping integral flanges secured together.

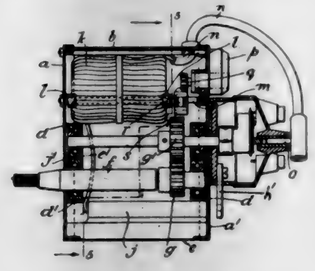
1,559,456. GAS FILTER. REGINALD M. RANYARD, Palms, Calif., assignor to R. G. T. MFG. CO., Los Angeles, Calif., a Corporation of California. Filed Sept. 4, 1924. Serial No. 735,887. 15 Claims. (Cl. 185—40.)



1. A gas filter comprising a shell attachable to a pipe line, inlet and outlet openings formed in said shell, a removable container disposed within said shell, openings formed in said container adapted to register with the inlet and outlet openings in said shell, and a baffle plate mounted in said container.

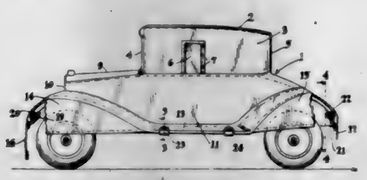


1,559,457. COIL-IGNITION APPARATUS FOR INTERNAL-COMBUSTION ENGINES. DAVID ALBERT VICTOR RIST, New Southgate, London, England. Filed May 31, 1921. Serial No. 474,001. 2 Claims. (Cl. 123—148.)



1. A coil and distributor unit for mounting in place of the magneto of an internal combustion engine and comprising a housing, a distributor and circuit breaker secured against one end of said housing, a driven shaft rotatably mounted in said housing and extended through one end of said housing for connection with the magneto operating shaft of an engine, a distributor operating shaft rotatably mounted in said housing and rotated from said drive shaft and extending through the other end of said housing for operating said distributor and circuit breaker when rotated, a fixed sparking coil mounted in said housing and having operative connection with said distributor, said coil being supplied with current from a storage battery, and a condenser mounted in said housing and having operative connection with said coil.

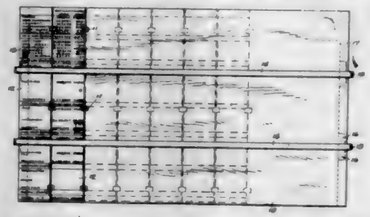
1,559,458. AUTOMOBILE COVER. MICHAEL B. RIZIANU, Los Angeles, Calif. Filed Sept. 15, 1924. Serial No. 737,853. 6 Claims. (Cl. 296—136.)



1. A completely removable cover of flexible material for an automobile, shaped to fit over the top and snugly around the body and hood of an automobile, with side sections along the side of the body and hood, fender sections secured to the side sections of the cover at substantially right angles thereto and shaped to cover the fenders and running board, and means to secure the fender sections in place and thereby secure the whole cover.

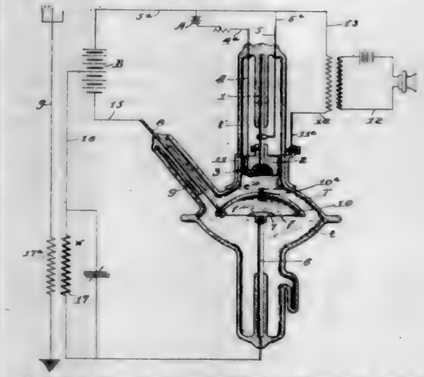
1,559,459. CHART HOLDER AND FINDER. JASON ROGERS, New Rochelle, N. Y., assignor to The Advertisers' Weekly, Inc., New Rochelle, N. Y., a Corporation of New York. Filed Feb. 2, 1923. Serial No. 616,539. 2 Claims. (Cl. 281—44.)

1. An apparatus of the character described comprising a base, strips having columned indicia inscribed thereon, means for associating the strips in a side by side arrangement on the base, a finder means slidably connected with the base and extending transversely across the strips, said finder means comprising a bar having inturned opposite extremities, a grooved portion formed in the ends of the base in which said inturned extremities are fitted,



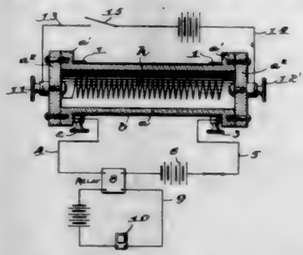
and means on said inturned ends or coacting engagement with the grooved portions to maintain the bars at a right angle to the strips.

1,559,460. ELECTRON TUBE. SAMUEL RUBEN, New York, N. Y. Filed June 30, 1920. Serial No. 393,140. 8 Claims. (Cl. 250—27.)



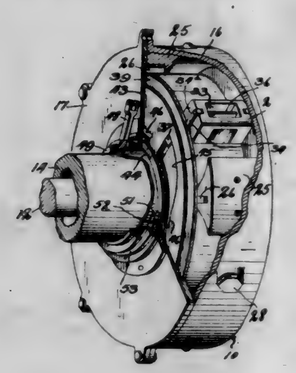
2. An electron tube comprising a thermionic emission element, a primary anode, a secondary anode interposed between said element and primary anode, said secondary anode having an opening therethrough, and adjustable means adapted ti be connetced to a variable current source for focusing the electron stream passing between said element and primary anode in said opening.

1,559,461. GAS AND VAPOR INDICATING DEVICE. SAMUEL RUBEN, New York, N. Y. Filed May 28, 1921. Serial No. 478,460. 5 Claims. (Cl. 73—51.)



1. A gas detecting apparatus comprising an insulating body, a coating of adsorption material thereon, an electric circuit including said material, and an indicator controlled by the current flow in said circuit.

1,559,462. HYDRAULIC BRAKE. ROBERT M. RYAN, Minneapolis, Minn. Filed Nov. 13, 1924. Serial No. 749,758. 9 Claims. (Cl. 188—90.)



1. A brake comprising a central fixed member, an exterior rotatable drum larger than the exterior of the fixed member, the space between the drum and fixed member being designed to be filled with liquid, inwardly projecting abutments at intervals on the rotatable member defining a series of compartments, outwardly projectable plungers mounted upon the fixed member for movement toward or from the surface of the drum, and manually operable means for simultaneously projecting or withdrawing all of said plungers.

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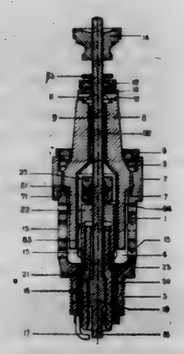
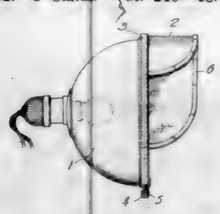
1,559,463. SPARKING PLUG. MICHELANGELO SACCHI, Turin, Italy. Filed July 30, 1924. Serial No. 729,175. 1 Claim. (Cl. 123—169.)



A sparking plug of the kind described, comprising a cylindrical hollow body having an internally threaded projection, a metallic bush screwed into said projection, a flange at the innermost end of said bush, a contracted insulating member fitted in said bush against the lower face of the flange therein, a cylindrical hollow portion of said insulating member projecting over said flange, a barrel-like insulating member surrounding said cylindrical hollow portion, means being provided to secure together both the internal insulating member and the free edge of the barrel member against the flange in the metallic bush

1,559,464. SPOTLIGHT ATTACHMENT. ARTHUR C. SACHSE, Detroit, Mich. Filed Sept. 24, 1924. Serial No. 739,652. 1 Claim. (Cl. 240—48.)



In combination with a vehicle headlight having a lens, a shield or visor extending forwardly of the lens and made of a colored transparent material, said shield or visor being of a length substantially half the circumference of the lens and occupying a position covering the whole of the upper left quadrant, slightly less than half the lower left quadrant, and a portion in excess of half of the upper right quadrant.

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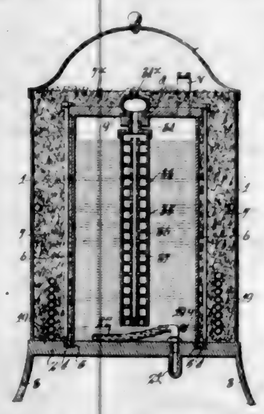
1,559,465. MIXING DEVICE FOR CARBONATING APPARATUS. ELI EDWARD SAGER, Seattle, Wash. Filed Aug. 13, 1924. Serial No. 731,784. 2 Claims. (Cl. 261—123.)



1. In carbonating and dispensing apparatus of the type wherein is provided a reservoir with a fluid outlet in its top in which the liquid and gas are charged and from which they are dispensed; a mixing device consisting of a tube secured to the top of the reservoir and extending down within the same adjacent the bottom thereof, a series of perforated disks fitting the tube and located within the same, spacers between adjacent disks and a rod on which said disks and spacers are located, and means to hold said rod in place, all being arranged whereby the contents of said reservoir will be caused to pass upwardly through said tube and the perforated disks from the bottom of said reservoir to the place of discharge thereby mixing the gas and liquid.

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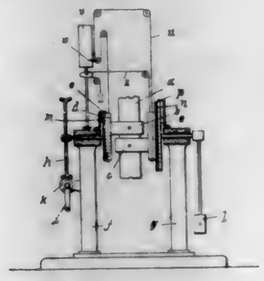
1,559,466. APPARATUS FOR TESTING THE STRENGTH OF PASTEBOARD, CARDBOARD, AND THE LIKE. ALFRED SCHOPPER, Leipzig, Germany. Filed Mar. 19, 1924. Serial No. 700,204. 4 Claims. (Cl. 265—2.)

1. In apparatus for the purpose set forth the combination of two plates, two rotatable carriers for said plates, having their axes of rotation in alignment with each other, each plate having an edge parallel with said axis, means for attaching a test piece to both said plates, means opposing progressively increasing re-





sistance to the rotation of one of said plate carriers from a position of rest, means for imparting rotation to the other plate carrier, and means for measuring the rotation imparted to said plate carriers respectively.

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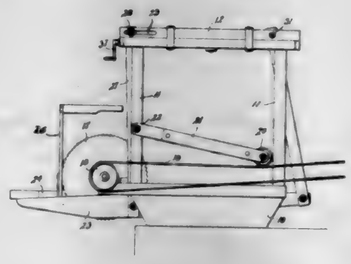
1,559,467. SAW RIG. WALTER H. SEAVEY, Kearsarge, N. H. Filed Mar. 16, 1925. Serial No. 16,009. 2 Claims. (Cl. 143—58.)



1. A saw rig comprising a supporting frame, a saw blade mounted for rotation thereon, means whereby the blade may be driven, a feeding frame comprising spaced substantially horizontally disposed beams, a feeding table secured to the front ends of the beams and normally spaced from the saw, front hanger bars having their lower ends pivotally secured to the beams and their upper ends pivotally supported in the supporting frame, rear hanger bars having their lower ends pivotally secured to the lower ends of the beams and their upper ends pivotally secured to the supporting frame in advance of the pivotal connections of their lower ends, whereby the table will normally swing in a direction away from the saw and means for regulating the point of connection of the front hanger bars and the supporting frame.

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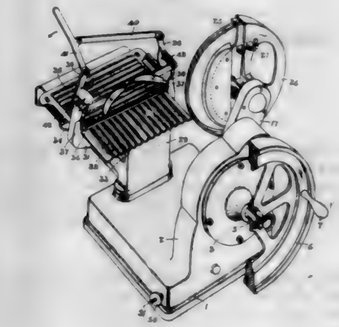
1,559,468. SLICING MACHINE. CHARLES N. SOWDEN, Toronto, Ontario, Canada. Filed Mar. 8, 1923. Serial No. 623,675. Renewed Sept. 24, 1925. 7 Claims. (Cl. 146—103.)

1. In a slicing machine, the combination with a base, a swinging knife arm supported from said base, a rotatable knife and means for rotating the knife, of an arm rigidly connected with said pivotal knife arm, a wheel operatively connected with the knife driving mechanism having a pin slidably engaging the latter arm and operating same with an accelerating return movement, and



a carriage supported from said base at the end thereof opposite the aforesaid mechanism and operatively connected therewith.

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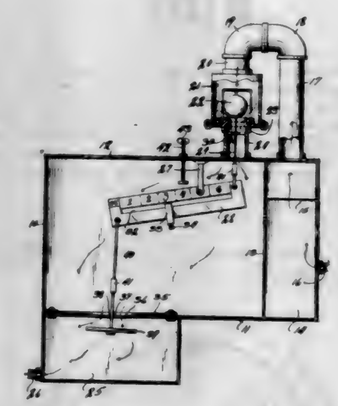
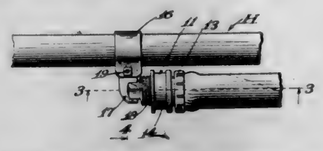
1,559,469. AUTOMATIC GAS CUT-OFF. HARRY R. STAMBAUGH, Fostoria, Ohio. Filed Mar. 19, 1925. Serial No. 16,852. 4 Claims. (Cl. 67—115.)



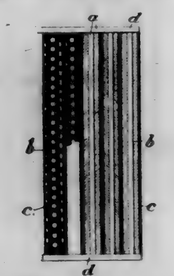
1. A flow operated automatic gas cut off including a chamber, a gas line leading into the chamber, a valve therein, an outlet opening from the chamber, a flow operated valve disposed across said opening and when shifted against the direction of flow closing said opening, a balance lever pivotally mounted within the chamber and having means at one end for shifting the first named valve from its seat, means at the other end operatively connecting this end of the lever to the second named valve, a weight shiftable along the balance lever from a point adjacent one end to a point adjacent the other, and means for manually depressing that end of the lever connected to the second named valve.

1,559,470. DEVICE FOR FACILITATING THE COILING OF HOSE AND THE LIKE. JONATHAN P. STEWART, Alhambra, Calif. Filed Apr. 13, 1925. Serial No. 22,760. 6 Claims. (Cl. 24—19.)



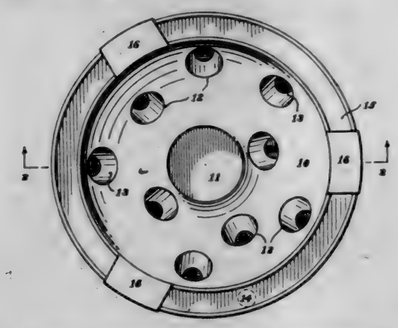
1. A device for facilitating the coiling of garden hose comprising a band adapted to encircle a garden hose, and a threaded member secured thereto having threads which are complementary to the threads on one of the coupling members on the conventional garden hose.

1,559,471. LEAD ELECTRODE FOR ACCUMULATORS. ALBERT STRASSER, Rorschach, Switzerland. Filed Mar. 5, 1924. Serial No. 697,047. 2 Claims. (Cl 136—75.)



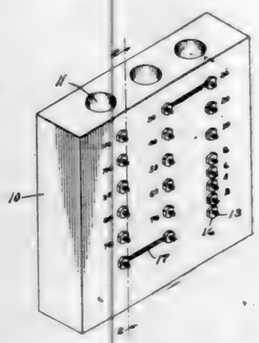
1. A process for the manufacture of lead electrodes for accumulators, consisting in alloying metallic lead with an alkali metal capable of reducing water, then introducing this alloy into perforated insulating shells and finally dipping these shells for a sufficient time into water to fully extract the alkali metal from the alloy and to thus give to the active mass a uniform porosity throughout with recrystallization of lead.

1,559,472. GAME. HORACE K. SUBERS, Ashbourne, Pa. Filed Jan. 23, 1923. Serial No. 614,446. 3 Claims. (Cl. 273—115.)



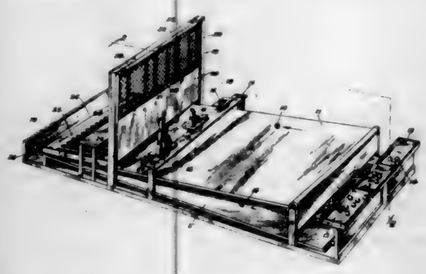
1. A game comprising an inverted frusto-conical bowl having a laterally extending race-way about its upper open end, the inner side of said race-way being provided with openigs at circumferentially spaced points to establish communication between the race-way and the interior of the bowl, a plurality of pockets carried by the bowl and spaced in irregular formation and extending outwardly from the outer surface of the bowl, and bridges spanning said race-way at circumferentially spaced points.

1,559,473. LIQUID RHEOSTAT. HOWARD A. TAYLOR, Watertown, N. Y. Filed July 8, 1924. Serial No. 724,836. 3 Claims (Cl. 201—57.)



1. A rheostat comprising a body of insulating material formed with a plurality of pockets containig a more or less current conducting liquid, and a plurality of terminals extending to each pocket at spaced points, each terminal including a bolt extending transversely through the body in intersecting relation to the pockets.

1,559,474. AMUSEMENT APPARATUS. JENSHIRO TERUYA, Coney Island, Brooklyn, N. Y. Filed July 17, 1925. Serial No. 44,282. 9 Claims. (Cl. 273—103.)

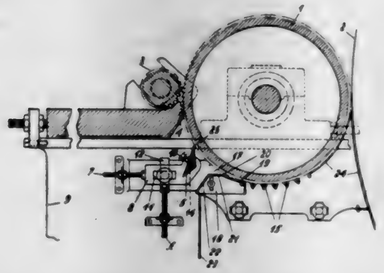


1. An amusement apparatus including spaced targets at which balls are adapted to be thrown to upset the same, a back-stop positioned behind said targets, doors provided in said back stop in alignment with the respective targets, and means for automatically returning the thrown balls to a point adjacent that from which they are thrown.

9. An amusement apparatus including a counter, spaced targets supported at a distance on the inside of said counter, a swingingly mounted cushion member disposed behind said targets, each target embodying a plurality of objects, balls adapted to be thrown at said targets to upset the objects, and means for returning the thrown balls to a point adjacent said counter and for trapping the upset objects behind said cushion member.

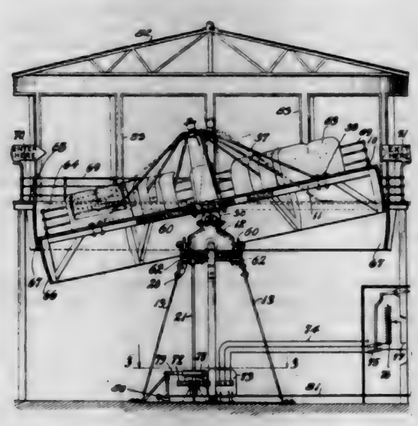


1,559,475. CARDING ENGINE. MEINRAD THOMA, Zurich, Switzerland. Filed Aug. 18, 1923. Serial No. 658,121. 2 Claims. (Cl. 19—105.)



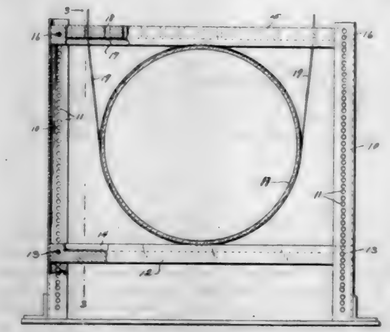
2. In a cotton carding engine, a licker-in and licker-in-grid, the said grid comprising three sections of which the first section is formed by a broad member inclined to the periphery of the licker-in rotatable about a pivot, said member forming together with the periphery of the licker-in an aperture which is reduced rearward, the surface of the said member directed towards the licker-in being bevelled and presenting a steep front face and a less steep rear face, and an additional arcuate face the chord of which inclines rearwardly toward the periphery of the licker-in, the second section of the grid comprising a plurality of narrow grid bars and the third section a wall of sheet metal closely adjacent to the periphery of the licker-in, and means to lock said first section in adjusted position.

1,559,476. TILTABLE ROUNDABOUT. ERNST F. TROIKE, Sandusky, Ohio. Filed Mar. 1, 1924. Serial No. 696,353. 16 Claims. (Cl. 272—50.)



1. In a tiltable roundabout, a rotatable head, a universal joint mounted thereon for bodily rotation, a platform support carried by said joint and rotatable about the rotative axis of the head, a shaft depending from said support, and a connection from the head to effect movement of one end of said shaft alternately in opposite directions during continued rotation of the universal joint.

1,559,477. CYLINDRICAL-GLASS-CUTTER HOLDER. JACKSON R. UHLER, Tatamy, Pa. Filed May 13, 1924. Serial No. 713,073. 6 Claims. (Cl. 49—50.)



1. Means for cutting glass cylinders comprising clamping members adapted to clamp the cylinder between them, and a cord adapted to be disposed around the cylinder and oscillated, said clamping members having means for guiding the cord and preventing any movement of the cord out of the plane of cutting.

1,559,478. PROCESS OF MAKING A CALCIUM PREPARATION. HEINRICH UMBER, Berlin, Germany, assignor to Johann A. von Wülfing, Berlin, Germany. Filed May 28, 1923. Serial No. 642,107. 5 Claims. (Cl. 167—7.)

1. The process of manufacturing a calcium preparation which consists in mixing together highly concentrated lactic acid, a corresponding amount of concentrated caustic soda and quicklime, and drying the resulting product at low temperature.

5. As a new composition of matter, a calcium preparation of great purity comprising sodium lactate, calcium lactate, and water of crystallization produced by a mixture of highly concentrated free lactic acid, caustic soda and quicklime.

1,559,479. CEILING-WASHING APPARATUS. PETER USHATCH, New York, N. Y. Filed May 17, 1924, Serial No. 713,874. Renewed Sept. 10, 1925. 1 Claim. (Cl. 15—50.)

A device of the type described comprising an open topped casing, a rotary channeled brush support in said casing, a brush mounted in said support for vertical movement therein and to be rotated therewith, springs in said support on which the brush rests, and a liquid feed pipe for supplying liquid to said brush said pipe extending freely into the said brush to permit of movement of the brush relative to the said pipe.

1,559,480. SAFETY CATCH. ALFRED VEILLETTE, Attleboro, Mass., assignor to James C. Doran & Sons, Providence, R. I., a Corporation of Rhode Island. Filed Dec. 28, 1923. Serial No. 683,192. 20 Claims. (Cl. 24—157.)

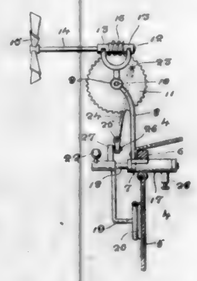
1. A safety catch for pins and the like, having a body portion and a pin tongue pivoted thereon, comprising in combination a longitudinally slotted stationary member securely attached to the pin body portion, having a cylindrical trunnion projecting longitudinally therefrom, and a longitudinally slotted guard member revolubly mounted on said trunnion and secured to the trunnion against longitudinal movement.

1,559,481. FLASH LIGHT. LEE J. VOORHEES, New York, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed June 29, 1920. Serial No. 392,708. Renewed Jan. 10, 1925. 21 Claims. (Cl. 240—10.5.)

1. A spare lamp-holder for flashlights comprising a threaded shell removably attachable to a flashlight casing, a wall intermediate the ends of said shell providing a spare lamp compartment, lamp holding means carried by said wall, and a removable cap closing said compartment.

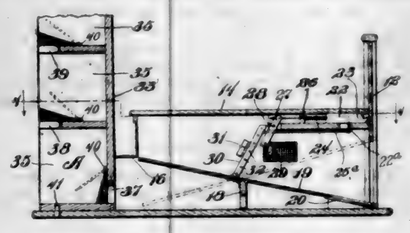
1,559,482. WINDSHIELD WIPER. JOHN BRYAN WACHTMAN, Conway, S. C. Filed Apr. 17, 1925. Serial No. 23,886. 2 Claims. (Cl. 15—253.)

1. A device of the character described comprising a sleeve adapted to be mounted horizontally adjacent the wind-shield of an automobile, a rock shaft journaled therein, a wiping element fixed to the rock shaft and movable over the windshield, an upstanding arm carried by the sleeve, a rotatable element journaled in the arm, bearings formed on the arm, a forwardly extending shaft journaled in the bearings and having operative engagement with the rotatable element, a wind wheel fixed to



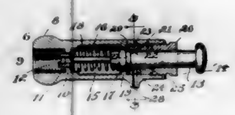
the shaft, a pitman rod eccentrically connected with the rotatable element and a universal connection between the pitman rod and rock shaft.

1,559,483. AUTOMATICALLY-SET ANIMAL TRAP. FINNIS N. WATKINS, Picher, Okla. Filed Apr. 23, 1925. Serial No. 25,378. 6 Claims. (Cl. 43—76.)



1. A trap of the character described including a body having a vertical sliding door at one end, a platform hingedly supported at its middle and extending lengthwise of the body, one end of the platform being disposed in the path of movement of the door, a latch adapted to hold the door raised, a bait holder operatively engaged with the latch to release the same when the bait is pulled, and means disposed approximately at the middle of the platform permitting the passage of an animal from the forepart of the platform to the rear thereof only whereby to cause the downward movement of the rear of the platform and the upward movement of the door, the latch automatically engaging the door when it is raised.

1,559,484. LIQUID-SOAP PUMP. EARL G. WATROUS, Chicago, Ill. Filed Apr. 25, 1918. Serial No. 230,662. 11 Claims. (Cl. 221—102.)

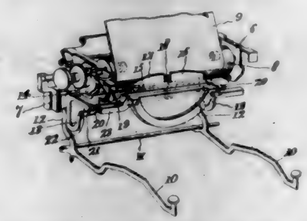


7. In a pump of the character set forth, the combination of a body having a chamber therein with a relatively small intake orifice at one end, a displacement plunger coacting with said chamber and adapted to be withdrawn from said chamber to permit the chamber to be filled, said chamber having a discharge orifice which is closed when the plunger is withdrawn from the chamber, and a pin on said plunger which fits said intake orifice and closes the same when the plunger is moved into the chamber.

10. In a soap dispenser the combination of a chamber having an inlet and an outlet, a packing washer coacting with the outlet and having a hole therethrough of the same diameter as the outlet, a displacement plunger coacting with said chamber and fitting in said outlet, said plunger embodying a cylindrical portion which fits the hole in the washer and a flange on the cylindrical portion adapted for engagement with the face of the washer, the plunger having a reduced portion to provide a discharge passage.

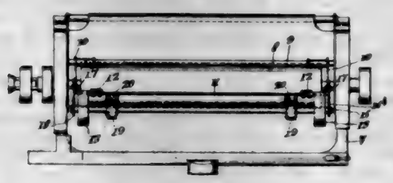


1,559,485. TYPEWRITER-LINE GUIDE. HAZARL E. WEST, Washington, D. C. Filed July 28, 1923. Serial No. 654,447. 1 Claim. (Cl. 197—190.)



In a typewriter having an under frame, a case-shift frame thereon, a platen mounted in the case-shift frame, pivoted brackets in the under frame coupled to the case-shift frame and acted on by the shift keys, a line guide comprising a body bar, wings pivotally mounted on said bar and spring pressed toward the platen, and said bar extending to the sides of the machine and provided with downwardly extending lugs, and curved arms secured to said lugs and extending to the pivoted brackets.

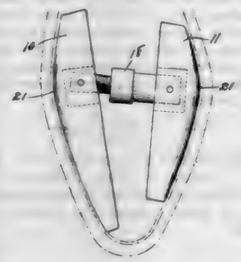
1,559,486. PAPER GUIDE FOR TYPEWRITERS. HAZARL E. WEST, Washington, D. C. Filed July 28, 1923. Serial No. 654,448. 3 Claims. (Cl. 197—139.)



1. In a typewriter, a platen, a rod extending above and to the rear of the platen, arms pivotally mounted on said rod, a bar connecting said arms, other arms pivotally carried by the first mentioned arms, a second rod supported in said other arms and extending longitudinally above and in front of said platen, paper guide fingers supported on said second rod, rolls in said guide fingers to space the guide fingers from the platen, and resilient means carried by said bar and bearing directly on said second rod for forcing the rolls against the platen and paper thereon.

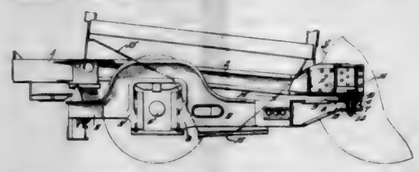
1,559,487. SHOE STRETCHER. WILLIAM W. WHITE, Moccasin, Mont. Filed Oct. 18, 1924. Serial No. 744,433. 2 Claims. (Cl. 12—128.5.)

1. A shoe stretcher comprising a pair of right and left companion members adapted to be placed within a shoe, and designed to conform to the shape thereof, and adjustable means connecting said members whereby the latter can be moved toward and away from each other, said means including sections pivoted on said members



whereby either member can be shifted longitudinally of the shoe independently of the other member for the purpose specified.

1,559,488. LOCOMOTIVE CONSTRUCTION. STANLEY G. WIGHT, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Oct. 17, 1923. Serial No. 668,990. 7 Claims. (Cl. 105—174.)

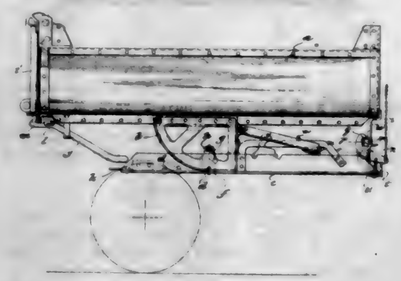


1. In a railroad vehicle, interengaging center plates and a removable center pin extending through said center plates and rigidly secured to one of said center plates and having limited longitudinal movement through the other of said center plates.

1,559,489. PROCESS OF MAKING HYDRATED ALUMINA AND BY-PRODUCTS. GLEN LEONARDO WILLIAMS, Detroit, Mich. Filed Dec. 29, 1923. Serial No. 683,432. 6 Claims. (Cl. 23—148.)

1. The process of preparing hydrated alumina in granular form which comprises precipitating a solution of potassium aluminate with boiler furnace gases.

1,559,490. DUMP BODY. JAMES G. WINSOR and SEIZO HATASHITA, Detroit, Mich. Filed June 30, 1923. Serial No. 648,646. 3 Claims. (Cl. 298—38.)



3. In a vehicle as specified, the combination of a subframe provided with a rail, a hopper supported thereon, a rocker secured to the hopper and adapted to roll on

the rail carried by said subframe, and a jump lock comprising a keeper member secured to the rail provided with a retaining portion having its lower engaging face curved in the form of an inverted crown and a lug carried by the rocker arranged to roll under the said retaining portion of the keeper member and wedge against the lowermost point of the inverted crown to lock the hopper to the subframe, said lower engaging face of the retaining portion curved to provide clearance for the lug to enter thereunder.

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1,559,491. DECORATIVE CANDLE AND MOUNTING THEREOF. ROBERT O. WOOD, Elizabeth, N. J., assignor of one-half to Pitser Miller, Elizabeth, N. J. Filed Feb. 23, 1924. Serial No. 694,528. 9 Claims. (Cl. 41—10.)

2. As a decorative article, a transparent tube filled with tightly compressed, textile fiber.

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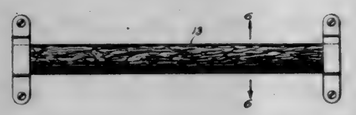
1,559,492. ORNAMENTAL TUBULAR FORM. ROBERT O. WOOD, Elizabeth, N. J., assignor of one-half to Pitser Miller, Elizabeth, N. J. Filed Mar. 23, 1925. Serial No. 17,597. 8 Claims. (Cl. 41—10.)



1. An ornamental tubular form, comprising a transparent tube, a flexible sheet having yarn or floss adhesively secured thereto and fitted in said tube to expose such yarn against the inner wall of the tube, and means for pressing closely and flattening such yarn against the walls of the tube.

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1,559,493. GRID-LEAK RESISTANCE. RUDOLF WOODS and WILLIAM HENRY LE BRETON, London, England. Filed Aug. 8, 1924. Serial No. 730,908. 4 Claims. (Cl. 201—58.)

1. A grid leak, comprising a tubular container having a restricted bore at a predetermined part between its ends, a contact plug closing one end of the container, resistance material inclosed in the container between the restricted part and the contact plug, an internally screwthreaded member closing the other end of the container, and a screwthreaded contact pin engaging with the

screwthreaded member and provided with an extension which fits in the said restricted part and bears on the resistance material.

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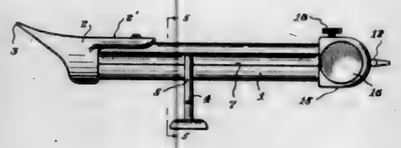
1,559,494. COMBINATION TOOL. MELCHOIR ZUGERMAYER, Egg Harbor City, N. J. Filed Mar. 19, 1924. Serial No. 700,346. 2 Claims. (Cl. 254—26.)



1. A tool comprising a cylindrical body having a head at one end thereof, said head having its upper surface concavely curved and its under surface beveled for providing a substantially wedge-shaped outer end, and said head being provided with a notch extending inwardly from its wedge edge, said body having longitudinally extending grooves in its sides, a fulcrum including a base and upstanding arms, said arms having trunnions formed upon their upper ends and engaging slidably in said grooves.

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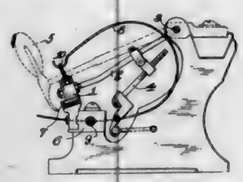
1,559,495. HAMMER-RAIL SPRING. GEORGE F. ABENDSCHEIN, Rutherford, N. J., assignor to The Staib-Abendschein Company, New York, N. Y., a Corporation of New York. Filed Aug. 29, 1922. Serial No. 584,937. 4 Claims. (Cl. 84—221.)



3. In a piano action, the combination with the hammer lifting rail of steel bow springs connected at one end to a stationary support rail in the piano, by means whereby the point of such connection may be varied in order to vary the effective length and lifting force of the springs and at the other end to the said lifting rail as herein described.



1,559,496. SHIFTING LEVER FOR FISHING REELS. WALTER L. ADAMS, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 13, 1923. Serial No. 657,153. 1 Claim. (Cl. 242—84.1.)

In a fishing reel an end member, a lever pivoted on said end member, the end of the lever extending to the outer periphery of the end member and having an integral operating extension formed by bending the end of the lever so as to form a closed flattened loop lying over the rim of the end member.

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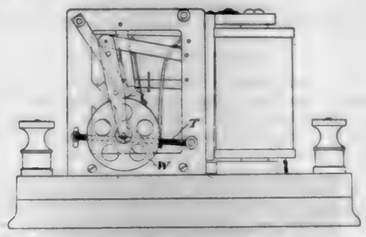
1,559,497. SELECTIVE SIGNALING DEVICE. WILLIAM T. BAKER, Westwood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Apr. 10, 1925. Serial No. 22,148. 3 Claims. (Cl. 177—332.)



1. In a selective signaling apparatus having a timing mechanism including a retarding or inertia wheel, an inclined track upon which said wheel is adapted to roll consisting of a vitreous rod having an etched or ground surface.

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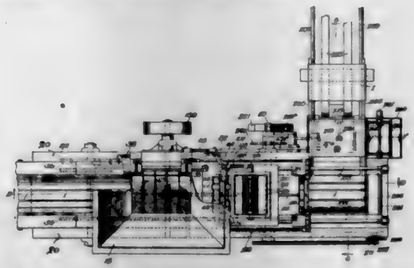
1,559,498. TILE-MAKING MACHINE. CLAUS O. BRANDELL, Chicago, Ill., assignor of one-half to Carl A. Carlson, Cicero, Ill. Filed Mar. 28, 1921. Serial No. 456,835. 72 Claims. (Cl. 25—48.)



68. In mechanism of the class described, in combination pallet-supporting and conveying means, a material container located thereabove, means to discharge material from said container upon a pallet carried by said conveying means in its discharge therebeneath, tamping means located above said conveying means, a second container located above said conveying means, trowelling mechanism also located above said conveying means, all of said mechanisms being located in succession in the direction of travel of said conveying means, a fixed pallet support constructed and arranged to receive pallets from said conveying mechanism, intermittently operating feeding means operable to move said pallets upon said fixed support, and means to engage and remove pallets transversely from said fixed support.

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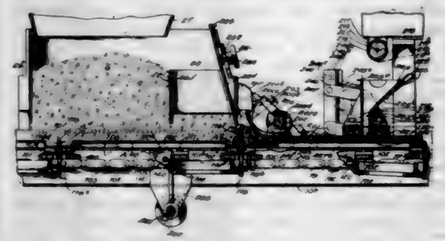
1,559,499. PROCESS AND MACHINE FOR MAKING TILE. CLAUS O. BRANDELL, Chicago, Ill., assignor of one-half to Carl A. Carlson, Cicero, Ill. Filed Jan. 30, 1922. Serial No. 532,534. 69 Claims. (Cl. 25—93.)



1. In mechanism of the class described, sprockets, endless chains engaging said sprockets, cross members carried by said chains, said cross members being spaced apart to support the pallets adjacent the ends of the latter, and separating members carried by said conveyor chains and provided with portions movable into and out of position between the ends of adjacent pallets.

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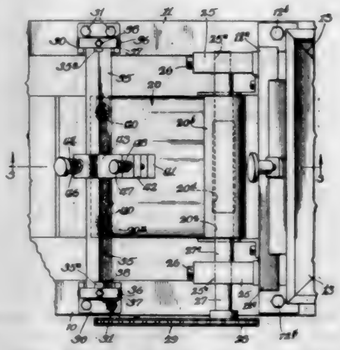
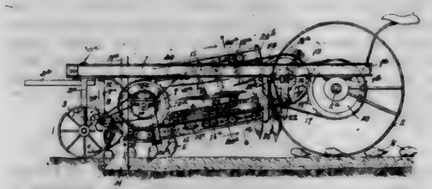
1,559,500. CONCRETE TILE MACHINE. GUSTAVE LIDSEEN, Chicago, Ill., assignor to Concrete Tile Machinery Company, Cicero, Ill., a Corporation of Illinois. Filed June 2, 1923. Serial No. 642,943. 17 Claims. (Cl. 25—43.)



1. In mechanism of the class described, in combination with material carrying means, a tamping member, said member being eccentrically mounted adjacent one end and arranged for regulated movement vertically and horizontally adjacent the other end.

1,559,501. BEET HARVESTER. EPHRAIM BURDICK, Madison, Ohio, assignor of one-half to Ulysses A. Ento, Cleveland, Ohio. Filed July 13, 1922. Serial No. 574,712. 21 Claims. (Cl. 55—108.)



1. In a vegetable harvester, including vegetable lifting and top guiding mechanism, vegetable top engaging roller elements, and means for actuating said vegetable top engaging roller elements in reverse direction.

2. In a vegetable harvesting machine, including vegetable lifting and top guiding mechanism, roller and carrier means for engaging and carrying said vegetables through their tops, means for driving the rollers in a reverse direction and means for severing said vegetables.

7. In a vegetable harvester, a wheeled harvester frame, means for lifting and guiding the vegetables and tops, respectively, a carrier provided with independently actuated relatively movable coacting means for engaging said vegetable tops and carrying said vegetables thereby, and means for severing said vegetables from the tops as held by said top engaging mechanism, and means for giving reverse movement to the top engaging means.

20. In a vegetable harvesting machine, including vegetable lifting and longitudinally extending rotary top guiding mechanism, a transversely movable carrier provided with longitudinally extending top engaging elements in cooperative relation to said vegetable lifting and rotary top guiding mechanism for carrying and conveying the vegetables through the engaged tops.

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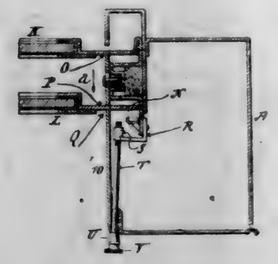
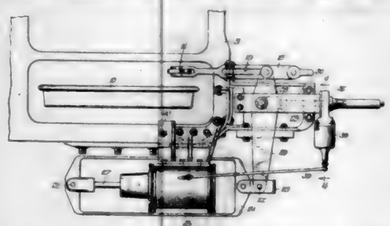
1,559,502. METAL WINDOW FRAME AND SASHES. HARRY E. CAMPBELL, New York, N. Y., assignor to Campbell Metal Window Corporation, Baltimore, Md., a Corporation of Maryland. Filed May 12, 1922, Serial No. 560,288. Renewed Sept. 2, 1925. 4 Claims. (Cl. 189—72.)



3. A window frame and sash construction comprising jambs, each having two vertical openings in its inner wall, dividing such inner wall into two side sections and a middle section, and sashes adapted to slide in said openings and adjustable means within the jambs for holding the sashes in relatively close contact with the middle section of each jamb wall, such means being operable without moving either of the side sections of the jamb wall.

1,559,503. TRUCK BRAKE. WILLIAM H. CLEGG, Montreal, Canada, assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 5, 1923. Serial No. 666,670. 5 Claims. (Cl. 188—208.)



3. In a railway car truck, the combination of a truck frame, a brake cylinder secured to said truck frame at the inner end of one side of said frame, a yoke surrounding said cylinder and operated therefrom, a truck lever, and a lever operatively connected to said yoke and to said truck lever for transmitting braking movements.

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1,559,504. PROCESS FOR PRODUCING ALKALI-METAL XANTHATES. RUSSELL B. CROWELL, Agnew, and GERALD F. BRECKENRIDGE, San Jose, Calif., assignors to Western Industries Company, Agnew, Calif., a Corporation of California. Filed May 18, 1925. Serial No. 31,203. 10 Claims. (Cl. 260—106.)

1. The process of producing alkali metal xanthates which comprises reacting a hydroxide of an alkali-metal, alcohol, and carbon bisulphide, in a liquid hydrocarbon medium chemically inert to the remaining ingredients.

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1,559,505. ORNAMENTAL FABRIC EDGING. JAMES G. CURRIE, Philadelphia, Pa., assignor to Sibson & Stern, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 24, 1920. Serial No. 433,060. 10 Claims. (Cl. 66—4.)

1. As a new article of manufacture an ornamental edging for female underwear consisting of a knit fabric longitudinally divided by a suture formed by correlation of fabric structural elements, thereby to promote a folding tendency in the fabric along said suture in one direction only.

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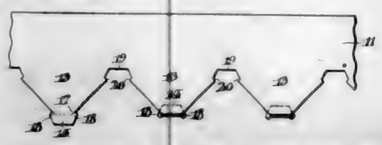
1,559,506. ROOF COVERING. WILLIAM FREEGARD, St. Louis, Mo., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Feb. 24, 1923. Serial No. 620,873. 7 Claims. (Cl. 108—8.)



1. A shingle strip of flexible water-proof material having one longitudinal edge formed with alternating angular projections simulating point-down shingle ends and recesses of corresponding size and configuration, each of said angular projections having an integral tip enlargement with converging incisions defining opposed lateral projections, and said tip enlargements being adapted to be folded under to constitute a locking tab.



1,559,507. PRESERVING GROUND-LINE SECTION OF POLES. RANDOLPH LEEDOM, Clifton, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed May 10, 1924. Serial No. 712,467. 3 Claims. (Cl. 99—12.)

3. The process of preserving the ground line section or belt of standing wood poles from decay, which comprises forming an annular envelope about the section to be preserved, forming an impervious bond between the lower margin of said envelope and the pole, and filling the enclosed space with a preservative.

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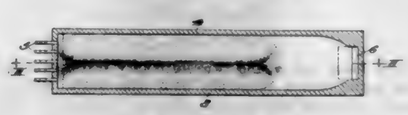
1,559,508. SMELTING FURNACE AND THE METHOD OF SMELTING ORES THEREIN. GEORGE W. PRINCE, Clemenceau, Ariz., and ARCHIBALD DOUGLAS, New York, N. Y., assignors to United Verde Extension Mining Company, New York, N. Y., a Corporation of Delaware. Filed June 9, 1925. Serial No. 35,862. 14 Claims. (Cl. 263—40.)



1. The method of smelting ores in reverberatory furnaces which consists in substantially continuously feeding the ores into the furnace chamber in such a manner that a continuous longitudinal mound is formed and maintained with its apex spaced from the side walls of the furnace chamber, and subjecting the mound to the action of a heating medium.

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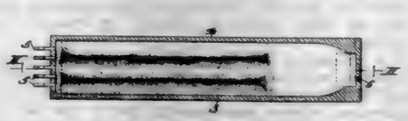
1,559,509. SMELTING FURNACE AND THE METHOD OF SMELTING ORES THEREIN. GEORGE W. PRINCE, Clemenceau, Ariz., and ARCHIBALD DOUGLAS, New York, N. Y., assignors to United Verde Extension Mining Company, New York, N. Y., a Corporation of Delaware. Filed June 9, 1925. Serial No. 35,863. 23 Claims. (Cl. 263—40.)



1. The method of smelting ores in reverberatory furnaces which consists in substantially continuously feeding the ores into the furnace chamber in such a manner that a plurality of continuous longitudinal mounds are formed and maintained with the apices spaced from each other and from the side walls of the furnace chamber, and subjecting the mounds to the action of a heating medium.

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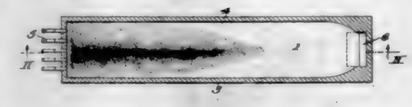
1,559,510. SMELTING FURNACE AND THE METHOD OF SMELTING ORES THEREIN. JOHN A. CHURCH, Jr., New York, N. Y., assignor to United Verde Extension Mining Company, New York, N. Y., a Corporation of Delaware. Filed June 9, 1925. Serial No. 35,902. 12 Claims. (Cl. 263—40.)

1. The method of smelting ores in reverberatory furnaces which consists in feeding the ores into the furnace chamber in such a manner as to produce gradually widening valleys for the free flow of the molten



material from the firing end toward the flue end of the furnace, and subjecting the ores to the action of a heating medium.

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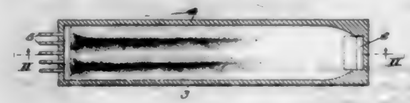
1,559,511. SMELTING FURNACE AND THE METHOD OF SMELTING ORES THEREIN. JOHN A. CHURCH, Jr., New York, N. Y., assignor to United Verde Extension Mining Company, New York, N. Y., a Corporation of Delaware. Filed June 9, 1925. Serial No. 35,903. 15 Claims. (Cl. 263—40.)



15. A reverberatory furnace having unfettled side walls, means for feeding the ores into the furnace chamber to form two continuous longitudinal mounds of gradually decreasing heights from the firing end toward the flue end of the furnace with the apices of the mounds spaced from each other and from the side walls to produce gradually widening valleys between the mounds and along the side walls for the free flow of the molten material, and means for subjecting the mounds to the action of a heating medium, the portions of the said side walls which are exposed to the molten material being of a non-corrosive material.

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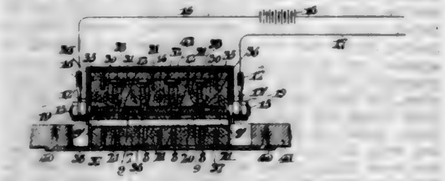
1,559,512. ELECTRIC SWITCH. CHARLES L. TURNER, Jersey City, N. J. Filed Aug. 24, 1923. Serial No. 659,060. 10 Claims. (Cl. 200—48.)



1. An electric switch comprising a base provided with a series of open recesses, a corresponding series of permutative switch members journalled therein for step-by-step rotation, axially aligned contacts inset in said base adapted for co-operative circuit-closing engagement with the switch members when permutatively moved, and an arresting datum for establishing a predetermined permutation.

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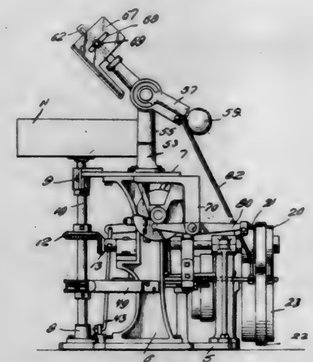
1,559,513. BAT-FORMING MACHINE. ALBERT C. WARD, Canonsburg, Pa., assignor to The W. S. George Pottery Company, Canonsburg, Pa. Filed Jan. 17, 1925. Serial No. 3,144. 8 Claims. (Cl. 25—22.)

1. In a bat forming machine of the character described, a turn table, a spreader blade, means for rotating the turn table, means for moving the spreader blade slowly

inwardly toward and slowly downwardly toward the central point of the turntable during the rotation of the same, means for automatically quickly raising the



spreader blade from the material, and additional means for moving the spreader blade longitudinally to one side of the turntable.

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1,559,514. SOUND BOX AND TONE ARM. JACOB ZITZERMAN, Brooklyn, N. Y. Filed June 30, 1923. Serial No. 648,704. 3 Claims. (Cl. 274—35.)

2. A sound box for sound reproducing machines comprising a pair of mating semi-spherical sections one of said sections having at its open edge internal and external annular rabbets, the internal rabbet being of greater depth than the external rabbet and defining an annular seat at its inner end, the other section having concentric inner and outer spaced flanges at its open edge, the inner flange being of greater width than the outer flange and designed to be received within the internal rabbet of the other section to coact at its outer end with the seat to clamp a diaphragm thereagainst, the outer flange fitting within the outer rabbet and defining together with the inner flange a groove for the reception of the projecting portion of the other section, and fastening elements extending radially through the outer and inner flange of one of the sections and the projecting portion of the other section, the said first mentioned section having an axially projecting radially apertured collar and the flanges of the said second section and open edge at the first section having alined notches for receiving therethrough the stylus bar of the diaphragm.

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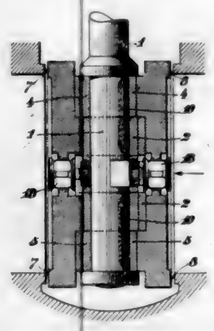
1,559,515. VALVE. ARNO BÖTTNER, Sudenburg, near Magdeburg, Germany, assignor to the Firm Polte, Magdeburg, Germany. Filed June 11, 1925. Serial No. 36,470. 4 Claims. (Cl. 277—38.)

1. A valve comprising two stationary seats, two shutting plates which cooperate with said seats, auxiliary valves, a valve spindle, and means for first opening the auxiliary valves, then lifting the shutting plates from their seats and thereupon shifting the plates in a plane that is parallel to the plane of said stationary seats when the valve spindle is turned.



4. A valve comprising two stationary seats, two shutting plates which cooperate with said seats, auxiliary valves seated in said shutting plates, a spindle for shifting said plates in a plane that is parallel to the plane of said stationary seats, eyes projecting from said shutting plates, internally recessed ring-shaped plate lifting eccentrics embracing said spindle and fitted in said eyes, collars on said auxiliary valves which embrace said spindle, a cam surface on said spindle for opening said auxiliary valves when the spindle is turned, keys fixed in the spindle and located in the recesses of the eccentrics and adapted to turn the later to lift the shutting plates from said stationary seats after the opening of the auxiliary valves when the spindle is turned, the length of said recesses corresponding to the lag between the opening of the auxiliary valves and the lifting of the shutting plates.

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1,559,516. MANUFACTURE OF NITROGENIC AND PHOSPHATIC COMBINATIONS. JOSEPH BRESLAUER, Geneva, Switzerland, and GEORGES DARIER, Bordighera, Italy, assignors to Société d'Études Chimiques pour l'Industrie, Geneva, Switzerland, a Corporation of Switzerland. Original application filed Sept. 18, 1920, Serial No. 411,074. Divided and this application filed May 29, 1925. Serial No. 33,835. 23 Claims. (Cl. 71—9.)

1. A process of the type described which comprises, introducing raw calcium cyanamid in small portions in a finely divided condition into water maintained at a temperature between approximately 30° C. and 40° C., to which is added an acid forming insoluble salts with the metallic impurities of said raw calcium cyanamid to precipitate the impurities of each portion as added, removing the precipitated insoluble salts and converting the resulting free cyanamid in solution to urea by sulphuric acid.

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1,559,517. MANUFACTURE OF NITROGENIC AND PHOSPHATIC COMBINATIONS. JOSEPH BRESLAUER, Geneva, Switzerland, and GEORGES DARIER, Bordighera, Italy, assignors to Société d'Études Chimiques pour l'Industrie, Geneva, Switzerland, a Corporation of Switzerland. Original application filed Sept. 18, 1920, Serial No. 411,074. Divided and this application filed May 29, 1925. Serial No. 33,836. 7 Claims. (Cl. 71—9.)

1. A process of the type described which comprises, forming a solution of free cyanamid and converging said free cyanamid in solution into unrea by means of an acid salt.



1,559,518. MANUFACTURE OF NITROGENIC AND PHOSPHATIC COMBINATIONS. JOSEPH BRESLAUER, Geneva, Switzerland, and GEORGES DARIER, Bordighera, Italy, assignors to Société d'Études Chimiques pour l'Industrie, Geneva, Switzerland, a Corporation of Switzerland. Original application filed Sept. 18, 1920, Serial No. 411,074. Divided and this application filed May 29, 1925. Serial No. 33,837. 8 Claims. (Cl. 71—9.)

1. A process of the type described which comprises, adding finely divided raw cyanamid in small successive portions to water acidified with an acid forming insoluble compounds with metallic constituents of said raw cyanamid, the water being agitated during said addition, removing the insoluble salts from the solution of free cyanamid thus formed, then acidifying said solution with an acid sulphate and heating it to a temperature of approximately 60° C. to 70° C. to hydrate the free cyanamid in solution to urea.

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1,559,519. TOOTHBRUSH. THOMAS ANDREW BUCKLEY, Brooklyn, N. Y. Filed Aug. 3, 1922. Serial No. 579,391. 2 Claims. (Cl. 15—210.)

1. A holder for an implement for polishing teeth comprising a handle member having one end curled, the extremity of the curled end being disposed adjacent to but slightly spaced from the curled end portion of the handle member and being located within the confines of the curve.

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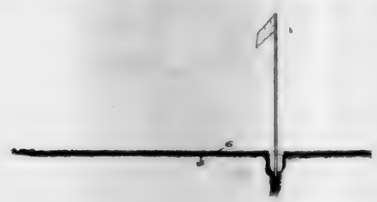
1,559,520. PUTTING GREEN AND SIMILAR PLAYING SURFACE. THOMAS MCCULLOCH FAIRBAIRN, Tlahualilo, Durango, Mexico, and ALBERT SAMUEL VALDESPINO, and ROBERT MCCART, Jr., El Paso, Tex. Filed Nov. 14, 1922. Serial No. 600,991. 9 Claims. (Cl. 272—8.)



1. A surfacing material for putting greens, comprising comminuted flocculent material and a viscous substance binding the flocculent material into a homogeneous mass.

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1,559,521. PORTABLE FORGE. LEWIS FERRUSS, Las Vegas, Nev. Filed Dec. 30, 1924. Serial No. 758,950. 1 Claim. (Cl. 10—8.5.)

A forge of the character described comprising an outer shell in the form of a downwardly tapering truncated cone, a bowl of refractory earthenware adapted to fit within said shell and removable therefrom, the shell and bowl being perforated on the bottom, an air pipe entering the perforated lower end of the bowl and shell, and means for distributing the air from said pipe uniformly upward through the upper portion of the bowl comprising a disk of refractory material adapted to be removably seated within the bowl against the downwardly inclined side wall thereof in spaced relation to the bottom thereof and having upwardly projecting nip-

ples formed with air passages, the space between said nipples being adapted to be filled with refractory material.

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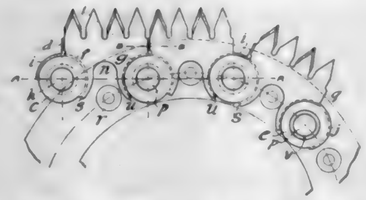
1,559,522. LINK SAW. OTTO EMANUEL FRUNK, Stockholm, Sweden. Filed Jan. 6, 1925. Serial No. 911. 7 Claims. (Cl. 143—135.)



7. A link saw provided with links each of which has two circular portions of reduced thickness, certain of the links being each provided with a central hole and certain other of the links being each provided with a central pivot adapted to enter the corresponding hole of a neighbour link and flanges of approximately rectangular cross section on said portions arranged to enter grooves in the unreduced part of the neighbour links.

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1,559,523. TOOTH-CLEANING DEVICE. OLAF I. WARING, Long Island City, N. Y., assignor to American Druggists Syndicate, Long Island City, N. Y., a Corporation of New York. Filed Aug. 11, 1924. Serial No. 731,350. 2 Claims. (Cl. 15—210.)

1. A tooth cleaning device comprising a handle, a tubular elastic member fixed to the handle with the

handle closing the engaged end, a portion of said elastic member extending beyond said handle and adapted to receive a dentifrice in the pocket so formed.

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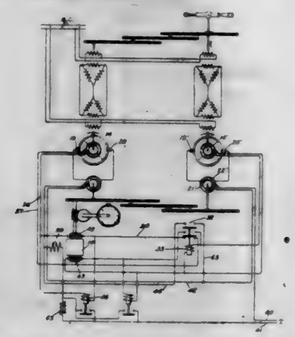
1,559,524. MEANS FOR ACCURATELY REDUCING ANGULAR MOVEMENTS. EDWARD M. HEWLETT and WALDO W. WILLARD, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Sept. 15, 1921. Serial No. 501,006. 10 Claims. (Cl. 172—239.)



1. Means for reproducing angular motions comprising a receiver of the angular movements of an object, a motor provided with field and armature windings, a source of electrical supply for said motor, electrical connections between said field winding and said source whereby said field winding is continuously energized, and control means for said armature operated jointly by said receiver and said motor whereby said armature is energized to start said motor upon movement of said receiver and short circuited to stop said motor when said motor has reproduced the movement of said object.

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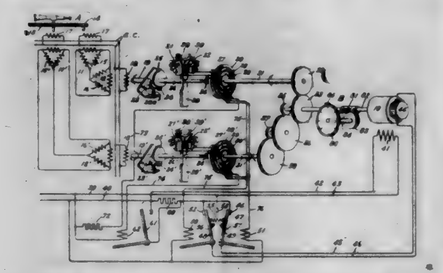
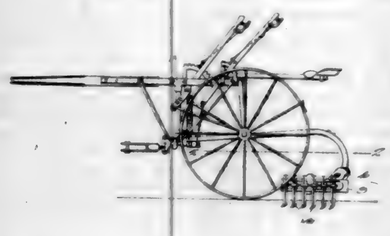
1,559,525. MEANS FOR REPRODUCING POSITION. EDWIN J. MURPHY and LEONARD P. HUTT, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Dec. 16, 1921, Serial No. 522,946. Renewed July 27, 1925. 22 Claims. (Cl. 172—239.)



1. Means for reproducing position comprising in combination with a controlling object and a driven object, of an electric motor for driving said driven object, a contact device for controlling said motor operated upon a slight movement of the controlling object in either direction to close a circuit for movement of the driven object in either of two directions, and an operating connection between said controlling object and said contact device for controlling said contact device to cause the driven object to assume any position of the controlling object by the shortest path thereto regardless of the course of the controlling object.

1,559,526. CULTIVATOR. IVAN H. OSBORN, Fort Smith, Ark. Filed Sept. 3, 1924. Serial No. 735,709. 1 Claim. (Cl. 97—5.)



In combination with an implement beam having a longitudinally extending slot in its lower end, an angle-shaped shoe having a sloping rear face a curved recess in the said rear face for receiving the front part of the lower end of the beam, said shoe having a transverse slot therein, a bolt passing through the slots for adjustably connecting the shoe to the beam, the front face of the shoe being inclined in a vertical plane, a plow bar abutting said face and a single bolt passing through the bar and shoe for adjustably clamping the bar to the shoe.

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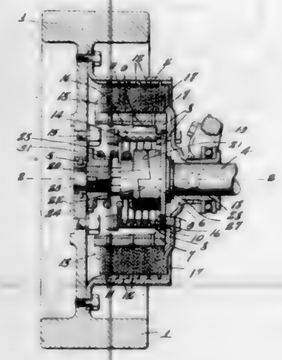
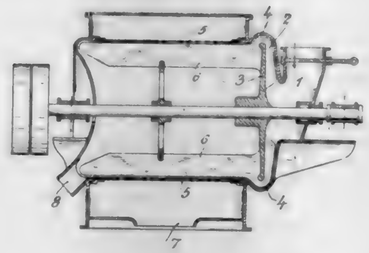
7,559,527. EQUALIZING CLUTCH. CHARLES B. SPARE, Syracuse, N. Y., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed June 12, 1923. Serial No. 644,883. 2 Claims. (Cl. 192—69.)



1. In a clutch, the combination of driving and driven elements, the driven element including a shaft arranged coaxially with the driving element, a member having a hub mounted on the shaft to rotate about the same, operator controlled, engageable and disengageable clutch means between said member and the driving element, said clutch means normally engaged to transmit all the motion of the driving element to said member, and yielding clutch means between said member and the shaft comprising cams mounted on the shaft and having complemental spiral faces on their opposing ends, one of said cams being rotatable with said member and the other being rotatable with the shaft and shiftable axially thereof and a spring for resisting the axial shifting of said member, said cams being located on the shaft between the hub of said member and the driving element.



1,559,528. CENTRIFUGAL SCREEN. HANS STUB, Oslo, Norway. Filed June 26, 1925. Serial No. 39,807. 5 Claims. (Cl. 92—34.)



1. The combination with a centrifugal screen comprising a horizontally arranged screening cylinder, rotating blades within said cylinder, and an axial supply, of a rotating disc spaced from said cylinder at the supply end thereof, pump blades at the supply side of said disc, a housing enclosing said disc, the outer end of said housing being adapted to receive the material to be screened and the inner end of said housing abutting the supply end of said screen.

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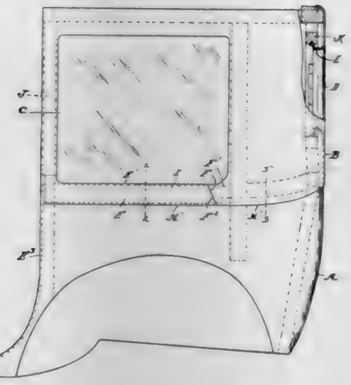
1,559,529. VEHICLE BODY. FRANK D. SUYDAM, Jr., Toledo, Ohio. Filed Mar. 25, 1922. Serial No. 546,626. 8 Claims. (Cl. 296—28.)



8. In a vehicle body, upper and lower sheet metal sections directly rigidly connected, the upper section being outwardly offset from the lower, the lower margin of the upper section being inturned to engage an upper marginal portion of the lower section forming a shoulder, and the lower section having a portion extended above said shoulder, said portion being outwardly offset to form a shoulder registering with that of the upper section.

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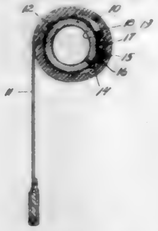
1,559,530. SHADE-ROLLER ATTACHMENT. EUGENE N. YEHLE, Maryville, Mo. Filed Nov. 24, 1924. Serial No. 751,808. 2 Claims. (Cl. 156—25.)

1. A device for attaching shades to rollers, comprising a sleeve adapted to be removably fitted to the roller and formed with a longitudinal outwardly projecting portion, and a shade-attaching member provided with a



clamp element for detachable engagement with said longitudinal portion.

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1,559,531. DEVICE FOR CLAMPING SHADES TO ROLLERS. EUGENE N. YEHLE, Maryville, Mo. Filed May 4, 1925. Serial No. 27,761. 2 Claims. (Cl. 156—25.)

1. A device for attaching window shades to rollers, comprising a split tubular sleeve of spring sheet metal adapted for removable clamping engagement with the roller, one of the longitudinal edges of said sleeve being rolled into clamping and retaining engagement with one of the end edges of the shade.

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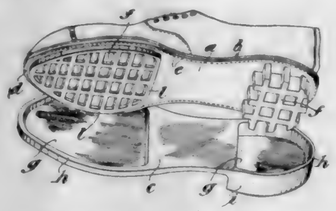
1,559,532. COMBINED SOLE AND HEEL FOR FOOTWEAR. GEORGE SMITH, Islington, London, England. Filed Mar. 10, 1925. Serial No. 14,494. 1 Claim. (Cl. 36—28.)



In a boot or shoe, the combination with the insole and the welt, of a sole unit including a full length outer wear section having separate ball and heel recesses, an intermediate section adapted to lie next to the insole and the welt and secured to the latter at its edges, said intermediate section having spaced ball and heel cushion elements carried by the bottom face thereof and adapted to fit in said recesses of the outer wear section, and means for connecting the outer wear section and the intermediate section carried by the welt.

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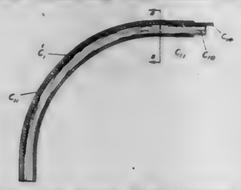
1,559,533. METHOD OF CONSTRUCTING SHEATHED FILLER MEMBERS. LYNN EVANS, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a Corporation of New York. Filed Feb. 29, 1924. Serial No. 696,003. 8 Claims. (Cl. 153—1.)

1. The method of constructing composite members, which method consists of introducing within a longitudinally continuous but peripherally incomplete unitary sheet metal sheath, a laminated filler block including a

bridge strip made of material differing from that in the remainder of said laminated block and adapted to cover and conceal said remaining laminations within said in-



complete sheath, said sheath being disposed to grip and hold together all the filler laminations without need of supplementary securing means.

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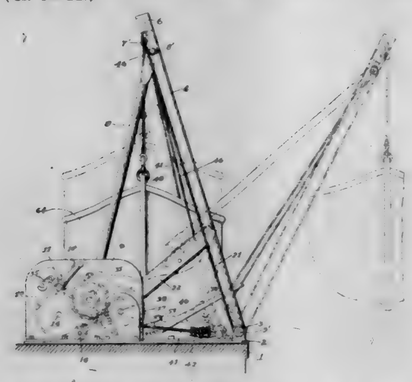
1,559,534. ONE-MAN BOAT-LAUNCHING APPARATUS FOR SHIPS. CHARLES B. OSBON, Somerville, Mass. Filed Mar. 13, 1925. Serial No. 15,176. 6 Claims. (Cl. 9—22.)



6. In a device for launching life-boats on a ship, a fall for lowering the boat over the side, a drum on which said fall is wound, means for rotating said drum, a brake band on said drum, a bell-crank attached to said band, a rod secured to said bell-crank having a screw thread cut thereon, a nut engaging said screw threaded rod, a hand wheel secured to said nut, a pair of cylindrical bushings, one on each side of said hand wheel, bearings for said bushings and in line with said bell-crank, stops for preventing said bushings from passing through said bearings, whereby by turning said wheel in opposite directions said band may be tightened or loosened.

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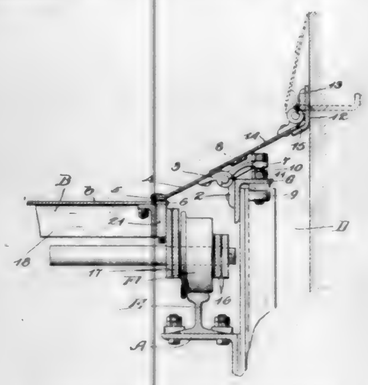
1,559,535. ENDLESS-TRAVELING WATER SCREEN. GUSTAV R. RODDY and REGINALD J. HICKMAN, Milwaukee, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 23, 1923. Serial No. 634,002. 15 Claims. (Cl. 210—175.)



3. In a liquid screening apparatus comprising a frame adapted to be immersed in the liquid to be screened and an endless moving screen mounted therein, a cut off for separating the unscreened body of liquid from the screened body thereof lapping a side edge of the moving screen, and means for adjusting the cut off relative to the screen.

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# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Amendt Milling Co., Monroe, Mich. Self-rising flour. 204,149; Oct. 6; Serial No. 214,113; published July 28, 1925.

American Brake Shoe & Foundry Company, The, Wilmington, Del., and New York, N. Y. Brake shoes. 204,106; Oct. 6; Serial No. 214,386; published July 21, 1925.

American Linseed Company, New York, N. Y. Linseed oil. 204,116–17; Oct. 6; Serial Nos. 215,497–8; published July 21, 1925.

American Milk Company Chicago, Ill. Stock feed. 204,049; Oct. 6; Serial No. 215,120; published July 21, 1925.

American Safety Razor Corporation, Brooklyn, N. Y. Safety razors. 204,042; Oct. 6; Serial No. 215,838; published July 28, 1925.

Anc-Co Preserving Co., Birmingham, Ala. Honey. 204,007; Oct. 6; Serial No. 206,272; published July 21, 1925.

Anchor Milling & Grocery Company, doing business as Anchor Milling Company, Albuquerque, N. Mex. Breakfast cereals. 204,145; Oct. 6; Serial No. 214,575; published July 28, 1925.

Anglo-American Pharmaceutical Corp., New York, N. Y. Glycero-phosphate sirups, proteid products, etc. 204,160; Oct. 6.

Ansted & Burk Co., The, Springfield, Ohio. Wheat flour. 204,140–1; Oct. 6; Serial Nos. 214,770–1; published July 21, 1925.

Artistic Hat Works, Chicago, Ill. Hats. 204,033; Oct. 6; Serial No. 213,354; published July 7, 1925.

Atlantic Coffee Co., Inc., Richmond, Va. Coffee. 204,031; Oct. 6; Serial No. 197,648; published July 21, 1925.

Babson Park Citrus Growers' Assn., Babson Park, Fla. Fresh citrous fruits. 204,066; Oct. 6; Serial No. 213,219; published July 21, 1925.

Baldwin, Anita M., Santa Anita, Calif. Cattle, swine, fresh citrous and deciduous fruit, nuts, and butter. 204,163; Oct. 6.

Beich, Paul F., Company, Bloomington, Ill. Candy. 204,059; Oct. 6; Serial No. 214,392; published July 28, 1925.

Berkenstadt, Emanuel, Chicago, Ill. Ladies' and children's hats and hat linings. 204,105; Oct. 6; Serial No. 214,458; published July 21, 1925.

Best-Clymer Co., The, St. Louis, Mo. Jams, jellies, and fruit preserves. 204,024; Oct. 6; Serial No. 209,966; published July 28, 1925.

Bishop & Company, Los Angeles, Calif. Eating chocolate in cake form. 204,028; Oct. 6; Serial No. 205,814; published July 28, 1925.

Brenner Bros., Chicago, Ill. Biscuits, sugar wafers, cakes, etc. 204,087; Oct. 6; Serial No. 197,251; published July 21, 1925.

Bridgeman-Russell Co., Duluth, Minn. Butter. 204,089; Oct. 6; Serial No. 155,986; published July 28, 1925.

Burnham Chemical Company, Reno, Nev. Fertilizer. 204,109; Oct. 6; Serial No. 211,829; published July 21, 1925.

C-M-Products Company, Houston, Tex. Automobile cleaning compound. 204,039; Oct. 6; Serial No. 211,459; published July 21, 1925.

Campco Tractors, Inc., Stockton, Calif. Tractors and tractor wheels. 204,070; Oct. 6; Serial No. 213,767; published July 21, 1925.

Capolino, Joseph, New York, N. Y. Cheese. 204,045; Oct. 6; Serial No. 215,680; published July 21, 1925.

Central Radio Laboratories, Milwaukee, Wis. Radio signaling apparatus and parts thereof. 204,006; Oct. 6; Serial No. 207,918; published June 9, 1925.

Chalmers, James, jr., doing business as Chalmers Products Co., Williamsville, N. Y. Gelatin desserts of various flavors. 204,156; Oct. 6; Serial No. 214,398; published July 21, 1925.

Chandler and Rudd Company, The, Cleveland, Ohio. Candy. 204,051; Oct. 6; Serial No. 215,401; published July 28, 1925.

Clapp, Otis, & Son, Inc., Boston, Mass. Salad dressing. 204,155; Oct. 6; Serial No. 214,609; published July 21, 1925.

Clement, John S., Company Inc., Philadelphia, Pa. Polishing wax. 204,133; Oct. 6; Serial No. 213,550; published July 14, 1925.

Clinton Corn Syrup Refining Company, Clinton, Iowa. Cornstarch. 204,048; Oct. 6; Serial No. 215,136; published July 28, 1925.

Columbia Tire and Rubber Company, The, Mansfield, Ohio. Inner tubes, pneumatic, cord, and fabric tires. 204,012; Oct. 6; Serial No. 183,022; published Sept. 30, 1924.

Converse Rubber Shoe Co., Malden, Mass. Shoes. 204,125–6; Oct. 6; Serial Nos. 214,851–2; published July 7, 1925.

Cortez Growers Association, Cortez and Turlock, Calif. Fresh grapes. 204,054; Oct. 6; Serial No. 214,945; published July 21, 1925.

Craddock-Terry Co., Lynchburg, Va. Leather shoes. 204,036; Oct. 6; Serial No. 213,065; published July 7, 1925.

D. & B. Pump and Supply Co., Los Angeles, Calif. Well pumps, well-pump parts, and fittings. 204,079; Oct. 6; Serial No. 211,462; published July 21, 1925.

Darrow & Rudden, New York, N. Y. Candy. 204,068; Oct. 6; Serial No. 212,895; published July 21, 1925.

Denver Alfalfa Milling & Products Co., The, Lamar, Colo. Alfalfa meal. 204,144; Oct. 6; Serial No. 214,589; published July 21, 1925.

Ditzler Color Co., Detroit, Mich. Oil finish. 204,148; Oct. 6; Serial No. 214,129; published July 28, 1925.

Drake Bakeries Incorporated, Brooklyn, N. Y. Cake and macaroons. 204,150; Oct. 6; Serial No. 213,894; published July 28, 1925.

Eckerson Company, Jersey City, N. J. Oleomargarine. 204,076; Oct. 6; Serial No. 212,486; published July 21, 1925.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquer. 204,118; Oct. 6; Serial No. 215,458; published July 21, 1925.

Egyptian Lacquer Manufacturing Co., The, New York, N. Y. Lacquer. 204,119–22; Oct. 6; Serial Nos. 215,452–5; published July 21, 1925.

Escondido Fruit Growers Association, Escondido, Calif. Fresh oranges, lemons, grapefruit. 204,064; Oct. 6; Serial No. 213,777; published July 28, 1925.

Evans, Walter L., doing business as Lone Star Coffee Company, Dallas, Tex. Coffee. 204,058; Oct. 6; Serial No. 214,539; published July 21, 1925.

Fess, James R., La Crosse, Wis. Ice-cream cones. 204,001; Oct. 6; Serial No. 212,858; published July 21, 1925.

Field Company, The, Brockton, Mass. Bar candy. 204,062; Oct. 6; Serial No. 214,067; published July 21, 1925.

Fink, A., & Sons, Newark, N. J. Hams, bacon, lard, etc. 204,032; Oct. 6; Serial No. 180,471; published July 28, 1925.

Fisher Bros. Co., The, Cleveland, Ohio. Cakes. 264,134; Oct. 6; Serial No. 215,114; published July 21, 1925.

Flomart, Inc., Santa Cruz, Calif. Confections—namely, fruit confections. 204,022; Oct. 6; Serial No. 211,260; published July 21, 1925.

Fownes Brothers & Co. Inc., New York, Gloversville, and Amsterdam, N. Y. Leather gloves. 204,113–15; Oct. 6; Serial Nos. 195,272–4; published July 14, 1925.

French Dressing Specialty Co., The, New York, N. Y. French dressing. 204,154; Oct. 6; Serial No. 207,004; published Feb. 24, 1925.

Fuhrer-Ford Milling Co., Mount Vernon, Ind. Wheat flour. 204,013; Oct. 6; Serial No. 210,837; published July 21, 1925.

Fuhrer-Ford Milling Co., Mount Vernon, Ind. Wheat flour. 204,014; Oct. 6; Serial No. 210,838; published July 28, 1925.

Gandy Belting Company, The, Baltimore, Md. Belting and thrasher belt. 204,146–7; Oct. 6; Serial Nos. 214,408–9; published July 7, 1925.

Gem Safety Razor Corporation, Brooklyn, N. Y. Safety razors. 204,041; Oct. 6; Serial No. 215,853; published July 28, 1925.

General Baking Company, New York, N. Y. Cake. 204,027; Oct. 6; Serial No. 206,956; published July 21, 1925.

General Petroleum Corporation, Los Angeles, Calif. Oils and greases. 204,005; Oct. 6; Serial No. 208,097; published June 16, 1925.

Geneva Biscuit Co., New York, N. Y. Cake wafers. 204,021; Oct. 6; Serial No. 211,420; published July 28, 1925.

Gilmore-Harris-Hornbeck Co., Philadelphia, Pa. Mechanically-operated horns. 204,082; Oct. 6; Serial No. 207,930; published July 21, 1925.

Glencair Company, Franklin, N. H. Hosiery. 204,038; Oct. 6; Serial No. 212,079; published June 30, 1925.

Great Atlantic and Pacific Tea Company, The, Jersey City, N. J. Canned sardines and canned anchovies. 204,015; Oct. 6; Serial No. 210,611; published July 21, 1925.

Great Lakes Varnish Works, Inc., Chicago, Ill. Varnishes, paint enamels, stains, etc. 204,034; Oct. 6; Serial No. 213,297; published July 14, 1925.

Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Clocks and parts thereof. 204,108; Oct. 6; Serial No. 213,019; published July 21, 1925.

Haskell Corporation, Niagara Falls, N. Y. Bread and cake rolls. 204,044; Oct. 6; Serial No. 215,691; published July 21, 1925.

Hauser Packing Company, Los Angeles, Calif. Lard substitutes. 204,030; Oct. 6; Serial No. 200,255; published July 21, 1925.

Hecht, William, doing business as Hecht & Company, New York, N. Y. Cotton piece goods. 204,161; Oct. 6.

Henry, De Witt P., Co., Philadelphia, Pa. Candy. 204,052; Oct. 6; Serial No. 215,254; published July 28, 1925.

Holder Products Corporation, New York, N. Y. Cleanser and polish for furniture, woodwork, and automobiles, etc. 204,097; Oct. 6; Serial No. 184,791; published July 14, 1925.

Holland, R. E., doing business as Printers Manufacturing Company, Chicago, Ill., and Minneapolis, Minn. Type-casting machines. 204,132; Oct. 6; Serial No. 213,785; published July 21, 1925.

Icas Slipper Company, Inc., New York, N. Y. Shoes and slippers. 204,091; Oct. 6; Serial No. 211,031; published May 19, 1925.

Ideal Smoked Fish Corp., New York, N. Y. Canned salmon. 204,067; Oct. 6; Serial No. 213,089; published July 21, 1925.

Illinois Oil Company, Rock Island, Ill. Ready-mixed paints. 204,080; Oct. 6; Serial No. 210,665; published July 21, 1925.

Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y. Rivet sets. 204,130; Oct. 6; Serial No. 213,900; published July 21, 1925.

International Corset Company, Aurora, Ill. Combination corsets and brassières. 204,096; Oct. 6; Serial No. 196,118; published Mar. 10, 1925.

Iowa Canning Co., Vinton, Iowa. Canned corn. 204,065; Oct. 6; Serial No. 213,652; published July 21, 1925.

Janney-Marshall Co., Inc., doing business as Janney Coffee Co., Fredericksburg, Va. Coffee. 204,016–17; Oct. 6; Serial Nos. 210,560–1; published July 28, 1925

Jayne, Dr. D., & Son, Philadelphia, Pa. Medicinal compound for diarrhea, etc. 204,164; Oct. 6.

Jeffrey Manufacturing Co., The, Columbus, Ohio. Rubber belting. 204,071–2; Oct. 6; Serial Nos. 213,306–7; published June 23, 1925.

Jelke, John F., Company, Chicago, Ill. Oleomargarine. 204,084; Oct. 6; Serial No. 207,370; published July 28, 1925.

Jelke, John F., Co., Chicago, Ill. Oleomargarine. 204,085; Oct. 6; Serial No. 207,362; published July 21, 1925.

Jelke, John F., Company, Chicago, Ill. Oleomargarine. 204,086; Oct. 6; Serial No. 207,359; published July 28, 1925.

Jenkins, Roy H., doing business as Molydite Laboratories, Detroit, Mich. Polishing and cleansing material for automobiles, pianos, etc. 204,037; Oct. 6; Serial No. 212,925; published July 21, 1925.

Johnson, Herbert, London, England. Hats. 204,093; Oct. 6; Serial No. 207,385; published June 2, 1925.

Junge Baking Company, Joplin, Mo. Cakes and cookies. 204,152; Oct. 6; Serial No. 213,841; published July 21, 1925.

Kent Storage Company, Grand Rapids, Mich. Eggs, spices, mustard, cocoa, and coffee. 204,010; Oct. 6; Serial No. 188,096; published July 21, 1925.

Keystone Hair Insulator Company, Allegheny, Pa. Linings of heat-insulating material. 204,159; Oct. 6.

Kilmer, Dr., & Co., Binghamton, N. Y. Preparation for the treatment of diseases peculiar to women. 204,166; Oct. 6.

Kockums Mekaniska Verkstads Aktiebolag, Malmo, Sweden. Sirens, foghorns, signaling horns, and whistles. 204,092; Oct. 6; Serial No. 210,735; published July 21, 1925.

Kolbe Fish Company, Erie, Pa. Fresh, frozen, and smoked fish. 204,061; Oct. 6; Serial No. 214,084; published July 21, 1925.

Korchin Bros., Brooklyn, N. Y. Herring, whole or boned or cut, packed in salt brine, vinegar, etc. 204,023; Oct. 6; Serial No. 211,040; published July 21, 1925.

Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Prepared liquid paint. 204,124; Oct. 6; Serial No. 214,875; published July 21, 1925.

Lally Column Co., Cambridge, Mass., and Brooklyn, N. Y. Building columns of steel or iron. 204,162; Oct. 6.

Langlois, André, Montreuil-sous-Bois, France. Paints and colors. 204,101; Oct. 6; Serial No. 212,933; published July 14, 1925.

Link-Belt Company, Chicago, Ill. Sprocket wheels. 204,153; Oct. 6; Serial No. 213,791; published July 21, 1925.

London Feather Novelty Company, The, New York. N. Y. Ladies' hats. 204,107; Oct. 6; Serial No. 214,026; published July 14, 1925.

Lone Star Coffee Co. (See Evans, Walter L.)

Lovelace Candy Co., Nashville, Tenn. Stick candy. 204,090; Oct. 6; Serial No. 214,169; published July 21, 1925.

Lovell, George J., New York, N. Y., and Chicago, Ill. Disinfectant and deodorant. 204,165; Oct. 6.

Macy, R. H., & Co., Inc., New York, N. Y. Men's shirts. 204,157; Oct. 6; Serial No. 213,180; published July 7, 1925.

Maritime Milling Co. Inc., New York, N. Y. Poultry and stock food. 204,081; Oct. 6; Serial No. 208,816; published July 28, 1925.

Marlow, Ernest, Company, Asbury Park, N. J. Radio receiving sets. 204,110; Oct. 6; Serial No. 211,752; published July 21, 1925.

Melville Shoe Corporation, New York, N. Y. Soles and shoes. 204,127; Oct. 6; Serial No. 214,432; published July 7, 1925.

Melville Shoe Corporation, New York, N. Y. Soles for shoes and shoes. 204,128; Oct. 6; Serial No. 214,430; published July 7, 1925.

Merrell-Soule Company, Syracuse, N. Y. Food product made from maltose-dextrin, corn sirup, and orange juice. 204,004; Oct. 6; Serial No. 209,486; published July 7, 1925.

Millard, F. A., Kingsville, Mo. Eggs and live and dressed poultry. 204,002; Oct. 6; Serial No. 210,069; published July 14, 1925.

Molasses Feeds Company, St. Paul, Minn. Stock feed. 204,088; Oct. 6; Serial No. 196,605; published July 21, 1925.

Molydite Laboratories. (See Jenkins, Roy H.)

Moore, Fred W., Dinuba and North Dinuba, Calif. Fresh deciduous fruits. 204,029; Oct. 6; Serial No. 203,529; published July 21, 1925.

Moseley & Mitley Milling Co., Rochester, N. Y. Wheat middlings. 204,043; Oct. 6; Serial No. 215,700; published July 21, 1925.

Murphy-Gorman Company, The, Danbury, Conn. Men's hats. 204,040; Oct. 6; Serial No. 211,116; published June 30, 1925.

Nojar Rubber Heel Co., Inc., Baltimore, Md. Rubber heels. 204,102; Oct. 6; Serial No. 214,559; published July 14, 1925.

Olympia Canning Co., Olympia, Wash. Vinegar. 204,000; Oct. 6; Serial No. 213,036; published July 14, 1925.

Ontario Biscuit Company, Buffalo, N. Y. Cakes. 204,138; Oct. 6; Serial No. 215,089; published July 21, 1925.

Pacific Orient Company, San Francisco, Calif. Specially-prepared canned yellowtail fish. 204,053; Oct. 6; Serial No. 215,172; published July 21, 1925.

Peerless Unit Ventilation Co., Inc., Long Island City, N. Y. Heating and ventilating units and casings therefor. 204,104; Oct. 6; Serial No. 214,498; published July 21, 1925.

Pels, Frank F., Company, of New York, Inc., New York, N. Y. Cotton and artificial-silk yarn, twist floss, thrown silk, and silk yarn. 204,158; Oct. 6.

Phelan-Faust Paint Manufacturing Company, St. Louis, Mo. Semipaste paint. 204,136; Oct. 6; Serial No. 215,095; published July 21, 1925.

Phelan-Faust Paint Manufacturing Company, St. Louis, Mo. Size, filler, sealer, and extender. 204,137; Oct. 6; Serial No. 215,093; published July 21, 1925.

Phoenix Horse Shoe Co., Chicago, Ill., and New York, N. Y. Horseshoe calks. 204,073; Oct. 6; Serial No. 213,041; published July 28, 1925.

Porzellanfabrik Ph. Rosenthal & Co., Aktiengesellschaft, Berlin, Germany. Porcelain insulators. 204,083; Oct. 6; Serial No. 207,594; published July 28, 1925.

Printers Manufacturing Company. (See Holland, R. E.)

Record-O-Phone Company, The, Washington, D. C. Machines for electrically recording and reproducing sound. 204,111; Oct. 6; Serial No. 210,983; published July 21, 1925.

Red Apple Orchard Corporation, Shipman, Va. Fresh apples. 204,060; Oct. 6; Serial No. 214,276; published July 21, 1925.

Red Star Milling Company, The, Wichita, Kans. Self-rising wheat flour. 204,046; Oct. 6; Serial No. 215,417; published July 21, 1925.

Reid, Murdoch & Co., Chicago, Ill. Canned foods, fruit salad, sauerkraut, jams, etc. 204,009; Oct. 6; Serial No. 197,834; published July 21, 1925.

Reid, Murdoch & Co., Chicago, Ill. Canned foods, fruit preserves, dried fruits, and molasses. 204,011; Oct. 6; Serial No. 186,330; published July 21, 1925.

Ritz, Christina R., Marshfield, Oreg. Cottage cheese, mayonnaise dressing, and jellies. 204,008; Oct. 6; Serial No. 205,951; published July 14, 1925.

S. & E. Powdered Sugar Co. (See Syme, Arthur M. Q.)

St. Paul Milling Co., The, St. Paul, Minn. Wheat flour. 204,143; Oct. 6; Serial No. 214,628; published July 21, 1925.

Schmidt, Carl E., and Company, Inc., Detroit, Mich. Leather. 204,112; Oct. 6; Serial No. 201,719; published Sept. 23, 1924.

Sears, Roebuck and Co., Chicago, Ill. Fruit preserves. 204,055; Oct. 6; Serial No. 214,827; published July 21, 1925.

Simonsen Iron Works, Sioux Rapids, Iowa. Cow hobble and tail holder. 204,103; Oct. 6; Serial No. 214,506; published July 21, 1925.

Société Française Tréugolnik, Levallois-Perret, France. Raincoats, hats, hosiery, etc. 204,098; Oct. 6; Serial No. 181,655; published July 14, 1925.

Southern Creameries, The. (See southern Ice & Utilities Company.)

Southern Ice Utilities Company, doing business as The Southern Creameries, Dallas, Tex. Butter. 204,075; Oct. 6; Serial No. 212,510; published July 28, 1925.



Southern Illinois Mlg. & Elev. Company, Murphysboro, Ill. Self-rising wheat flour. 204,135; Oct. 6; Serial No. 215,100; published July 21, 1925.

Sperry Candy Company, Milwaukee, Wis. Candies. 204,056; Oct. 6; Serial No. 214,694; published July 28, 1925.

Spratt's Patent Limited, London, England. Food for dogs, poultry, and game. 204,003; Oct. 6; Serial No. 209,596; published July 14, 1925.

Standard Packing Company, The, Los Angeles, Calif. Ham and bacon. 204,057; Oct. 6; Serial No. 214,570; published July 28, 1925.

Steinberger Bros. Lobl Co. Inc., New York, N. Y. Gloves. 204,099–100; Oct. 6; Serial Nos. 178,776–7; published Dec. 9, 1924.

Summit Varnish Company, Summit, Ill. Ready-mixed paints, varnishes, and prepared shellac. 204,095; Oct. 6; Serial No. 198,488; published July 21, 1925.

Syme, Arthur M. Q., doing business as The S. & E. Powdered Sugar Co., Chicago, Ill. Powdered sugar. 204,018–20; Oct. 6; Serial Nos. 210,511–13; published July 28, 1925.

Trelkel, G. D., Cool, Calif. Fresh deciduous fruits. 204,069; Oct. 6; Serial No. 212,762; published July 21, 1925.

Toloma Creamery, Los Angeles, Calif. Eggs. 204,047; Oct. 6; Serial No. 215,190; published July 21, 1925.

Valentine & Company, New York, N. Y. Ready-mixed paints. 204,129; Oct. 6; Serial No. 214,291; published July 14, 1925.

Vermont Products Corporation, Brattleboro, Vt. Confections. 204,078; Oct. 6; Serial No. 211,556; published July 28, 1925.

Vietmeyer Bros., Inc., Jersey City, N. J. Bread—namely, pumpernickel. 204,139; Oct. 6; Serial No. 215,036; published July 21, 1925.

Virden Packing Company, San Francisco, Calif. Ham. 204,026; Oct. 6; Serial No. 208,624; published July 21, 1925.

Wadsworth Match Case Co., The, Dayton, Ky. Varnishes and lacquers. 204,035; Oct. 6; Serial No. 213,208; published July 21, 1925.

Wayside Corporation, New York, N. Y. Edible food product. 204,142; Oct. 6; Serial No. 214,762; published July 21, 1925.

Webb, J. A., Belting Company, Inc., Buffalo, N. Y. Machine belting having leather and canvas plies. 204,131; Oct. 6; Serial No. 213,819; published July 14, 1925.

Wetherill, Geo. D., & Co., Inc., Philadelphia, Pa. Ready-mixed-paint cement preservatives. 204,074; Oct. 6; Serial No. 212,768; published July 14, 1925.

White Packing Company, Salisbury, N. C. Bacon, sausage, lard, etc. 204,025; Oct. 6; Serial No. 209,188; published July 21, 1925.

Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 204,050; Oct. 6; Serial No. 215,724; published July 28, 1925.

Wilckes Martin Wilckes Company, New York, N. Y. Lampblack and carbon-gas black. 204,094; Oct. 6; Serial No. 207,822; published July 14, 1925.

Winship, W. W., & Sons, Inc., Utica, N. Y. Trunks and wardrobe trunks. 204,151; Oct. 6; Serial No. 213,872; published July 28, 1925.

Woolsey, C. A., Paint & Color Co., Jersey City, N. J. Varnish. 204,123; Oct. 6; Serial No. 214,986; published July 21, 1925.

Zenith Shovel Company, Chicago, Ill. Shovels. 204,077; Oct. 6; Serial No. 212,115; published July 21, 1925.

# ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Browning, John, doing business as John Browning Co., Berkeley, Calif. Opal. For Marmalade. 29,290; Oct. 6.

California Lettuce Growers, Inc., Guadalupe, Calif. California Bear. For Fresh Lettuce. 29,291; Oct. 6.

Closset & Devers, Portland, Oreg. Brite Star. For Coffee. 29,292; Oct. 6.

Closset & Devers, Portland, Oreg. Blue Star. For Coffee. 29,293; Oct. 6.

Closset & Devers, Portland, Oreg. Red Star. For Coffee. 29,294; Oct. 6.

Hofmayer Dry Goods Co., Albany, Ga. Everite. For Hosiery. 29,295; Oct. 6.

Hutchinson's Purity Ice Cream Company. (See Menasha Printing and Carton Company, assignor.)

Krank, A. J. Mfg. Co., St. Paul, Minn. Lemon Lotion Cream. For Lotion Cream. 29,296; Oct. 6.

Marlebe Mfg. Co. (See Strong, Earle S.)

Menasha Printing and Carton Company, Menasha, Wis., assignor to Hutchinson's Purity Ice Cream Company, Des Moines, Iowa. Hutchinson's. For Ice Cream. 29,297; Oct. 6.

Menasha Printing and Carton Company, Menasha, Wis., assignor to Rector Creamery Company, St. Joseph, Mo. Rector. For Butter. 29,298; Oct. 6.

Moger, W. C., Fort Myers, Fla. Royal Palm. For Cigars. 29,299; Oct. 6.

North American Mercantile Company, San Francisco, Calif. Namco. For Canned Chop-Suey Vegetables. 29,300; Oct. 6.

Rector Creamery Company. (See Menasha Printing and Carton Company, assignor.)

Strong, Earle S., doing business as Marlebe Mfg. Co., Buffalo, N. Y. Py-O-Ra Gum. For Medicated Gum. 29,301; Oct. 6.

Sutherland Paper Company, Kalamazoo, Mich. Rochester Special. For Butter. 29,302; Oct. 6.

Taylor-Atkins Paper Company, The, East Hartford, Conn. Holland Linen. For Writing Paper, Envelopes, and Writing Tablets. 29,303; Oct. 6.

Washburn Crosby Company, Minneapolis, Minn. Wheaties. For Whole-Wheat Flakes. 29,304; Oct. 6.

Wizard, Inc., Chicago, Ill. Wizard (#1). For Polish for Use on Furniture, Woodwork, Pianos, Floors, and Automobiles. 29,306; Oct. 6.

Wizard, Inc., Chicago, Ill. Wizard (#2). For Polish for Use on Furniture, Woodwork, Pianos, Floors, and Automobiles. 29,305; Oct. 6.

# ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Cream Of Wheat Co., Minneapolis, Minn. Four reasons for using Cream Of Wheat in cereal feeding treatment. For Wheat Breakfast Food. 8,252; Oct. 6.

Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. Goodyear Tires Are Still Low Priced. For Vehicle Tires Composed Wholly or in Part of Rubber. 8,253; Oct. 6.

Kaestner, Joseph, Burlington, Iowa. New Special Shock Reducing Spring. For Vehicle Springs. 8,254; Oct. 6.

Meyercord Company, The, Chicago, Ill. Meyercord Process—The Modern Sign Painter. For Decalcomania Transfers. 8,255; Oct. 6.

North American Mercantile Company, San Francisco, Calif. Namco Crab. For Canned Crab Meat. 8,256; Oct. 6.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abraham & Straus, Inc., New York, N. Y. Pictures for artistic and decorative purposes. 200,299; Oct. 6.

Ace Art Company. (See Riley, Anna E.)

Acme-Evans Company, Indianapolis, Ind. Wheat and self-rising flour, dairy and scratch feed, etc. 213,875; Oct. 6.

Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Disinfectants, insecticides, parasiticides, and fungicides. 213,877; Oct. 6.

Alaska Consolidated Canneries, Inc., Seattle, Wash. Canned salmon. 217,490; Oct. 6.

American Bosch Magneto Corporation, Springfield, Mass. Electrical signal horns. 217,319; Oct. 6.

American Elevator & Machine Company, Louisville, Ky. Electric freight and passenger elevators. 217,494; Oct. 6.

American Federation of Arts, Inc., The. Title of monthly magazine. 214,939; Oct. 6.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

American Products Company, The, Cincinnati, Ohio. Talcum powder and cold cream. 216,961; Oct. 6.
American Radio Sales Company. (See Lefebre, Walter S.)
American Silver Company, The, Bristol, Conn. Plated tableware. 217,243; Oct. 6.
American Tissue Mills, Holyoke, Mass. Crêpe paper. 190,044; Oct. 6.
Artists and Models Publications Inc. (See Burten & Greneker, assignors.)
Associated Merchandising Corporation, New York, N. Y. Boxed writing paper, correspondence cards, and mailing envelopes. 210,520; Oct. 6.
Autodex Company, Waynesboro, Pa. Indexing machines. 216,251; Oct. 6.
Barr, Albert D., doing business as Davis Laboratory, Los Angeles, Calif. Antiseptic and germicidal preparations. 215,677; Oct. 6.
Battelle & Hoskins Co., now, by change of name The Lignole Corporation, Chicago, Ill. Radiopanels and specially-treated wood products. 205,726; Oct. 6.
Bayerdorffer, Max, Huguenot Park, N. Y. Leg bands for fowls. 218,097; Oct. 6.
Beard, Edward L., Kansas City, Mo. Muffler attachment for telephone transmitters. 215,768; Oct. 6.
Bellegarde & Cie. (See Vallee, L., & Company, Inc.)
Benjamin Electric Manufacturing Company, Chicago, Ill. Sockets for vacuum tubes. 197,467; Oct. 6.
Best Foods, Inc., The, New York, N. Y. Shortening. 215,500; Oct. 6.
Blake, Moffitt & Towne, San Francisco, Calif. Typewriter paper, manuscript covers, etc. 212,993; Oct. 6.
Bosstone Company, The, Boston and East Boston, Mass. Musical instruments of the zither type. 215,129; Oct. 6.
Bradley, Smith Co., The, New Haven, Conn. Candy bars. 200,089; Oct. 6.
Bretwood, Ltd., London, England. Apparatus for use in wireless telegraphy and telephony. 214,846; Oct. 6.
Brock, Frans W., Burke, Idaho. Antiseptic preparation for the treatment of sores, abrasions, etc. 216,583; Oct. 6.
Bromund, E. L., Co., New York, N. Y. Stearic acid. 218,784; Oct. 6.
Bunte Brothers, Chicago, Ill. Candy. 217,757; Oct. 6.
Burger Stamping & Spinning Mfg. Co. Inc., Buffalo, N. Y. Ash trays. 218,597; Oct. 6.
Burten & Greneker, assignors to Artists and Models Publications Inc., New York, N. Y. Magazine issued monthly. 210,708; Oct. 6.
Carter, Joseph E., doing business as Carter's Laboratories, Fargo, N. Dak. Hair color restorer. 215,847; Oct. 6.
Central Laboratories Co., Wheeling, W. Va. Radiator-sealing cement and antifreeze compounds for radiators. 218,607; Oct. 6.
Central Laboratories Co., Wheeling, W. Va. Rubber and gasket cement. 218,608; Oct. 6.
Ceylon Spice Co. (See McKinley, Carrie A.)
Champion, C. V., & Company, Danville, Ill. Electric hot plates and corn-popping machines. 209,616; Oct. 6.
Chip-O-Tato Corporation of America, St. Paul, Minn. Gas and coal cookstoves. 217,257; Oct. 6.
Chip-O-Tato Corporation of America, St. Paul, Minn. Fried potatoes. 217,258; Oct. 6.
Cleanser Products Company, Freedom, Pa. Preparation used as a cleaner for painted or varnished surfaces. 216,711; Oct. 6.
Colt-Cromwell Company, New York, N. Y. Putties and riding boots. 217,697; Oct. 6.
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Dish, silver, and glass cleaning machines and metal-parts-cleaning machines. 217,261; Oct. 6.
Commercial Shirt Co. (See Horowitz, Oscar.)
Co-Mo Manufacturing Company, Mebane, N. C. Floor-sweeping compound. 217,007; Oct. 6.
Conklin Pen Manufacturing Co., The, Toledo, Ohio. Fountain pens. 210,290; Oct. 6.
Cooper Underwear Company, Kenosha, Wis. Hosiery. 216,019; Oct. 6.
Coty, Inc., Wilmington, Del., and New York, N. Y. Rouge. 216,020–1; Oct. 6.
Daniels, C. R., Inc., New York, N. Y. Waterproof canvas tarpaulins. 218,248; Oct. 6.
Dannenhirsch, Max, doing business as The Dannenhirsch Co., Philadelphia, Pa. Electric storage batteries or accumulators and parts thereof. 217,544; Oct. 6.
Davis Laboratory. (See Barr, Albert D.)
Dayton Fan and Motor Company, The, Dayton, Ohio. Electric fans and motors and parts thereof and radio receiving sets and loud speakers and parts. 215,141; Oct. 6.
Delta Sigma Phi Fraternity Inc., Washington, D. C. Jewelry. 217,546; Oct. 6.
Dennison & Sons, Inc., Long Island City, N. Y. Bank notes, checks, drafts, writing paper, etc. 212,371; Oct. 6.
Deutsche Gesellschaft für Schädlingsbekämpfung m. b. H., Frankfort-on-the-Main, Germany. Chemicals for destroying vermin and exterminating pests, disinfectants, and vermin exterminants. 216,509–10; Oct. 6.
Dexter Research Laboratories, Inc., Toledo, Ohio. Vegetable filtering material. 214,466; Oct. 6.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Quarterly publication. 217,138; Oct. 6.
Doolittle, William W., doing business as Royal Maize Co., Columbus, Ohio. Cleaning preparation for use on silk. 216,027; Oct. 6.
Dougal Bros., London, England. Matches. 218,748–4; Oct. 6.
Drager Fruit Co., Salem, Oreg. Canned prunes. 201,924; Oct. 6.
Eagle Pencil Company, New York, N. Y. Lead pencils. 217,866; Oct. 6.
Easton Car & Construction Company, Easton, Pa. Automatic dumping automobile truck bodies. 218,170; Oct. 6.
Eaton, Orrin O., Watsonville, Calif. Fresh fruits and vegetables. 214,406; Oct. 6.
Echophone Radio, Inc., Chicago, Ill. Radio receiving and transmitting sets and parts of such sets, head phones, loud speakers, etc. 211,202; Oct. 6.
Edgar-Morgan Co., Memphis, Tenn. Feeds and foodstuffs for poultry, cattle, etc. 216,513–14; Oct. 6.
Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquer. 215,897; Oct. 6.
Ehro-Sulfur Laboratories Inc., New York, N. Y. Medicinal preparation. 216,670; Oct. 6.
Ercole H. Locatelli, doing business as Mattia Locatelli, New York, N. Y. Grated cheese. 214,087; Oct. 6.
Esposito and Durnil, Los Angeles, Calif. Fresh and dried fruits and vegetables. 190,874; Oct. 6.
Essex Rubber Company, Inc., Trenton, N. J. Rubber heels. 218,543; Oct. 6.
Experimenter Publishing Company, New York, N. Y. Radio receiving sets and parts therefor. 200,550; Oct. 6.
Fiber Products Company, Newark, N. J. Sound-amplifying horns for radio loud speakers. 184,164; Oct. 6.
Fleming-Green Company, Inc., Montgomery, Ala. Sweet spiced pepper sauce. 218,302; Oct. 6.
Forst Laboratories, Cincinnati, Ohio. Face powders and creams, perfumes, etc. 183,104; Oct. 6.
Fow, Edward H., Philadelphia, Pa. Reducing remedy. 218,809; Oct. 6.
Fox Paper Company, The, Lockland, Ohio. Bleached sulphite wrapping paper. 209,031; Oct. 6.
Freedman, Harry M., Los Angeles, Calif. Tire holders. 216,387; Oct. 6.
Frey-Weaver Co., Lancaster, Pa. Coffee. 217,021; Oct. 6.
Fuoss, A. E., Minneapolis, Minn. Vaginal douche. 218,849; Oct. 6.
Gandy Belting Company, The, Baltimore, Md. Stitched canvas and solid woven belting for power transmission, etc. 214,407; Oct. 6.
Gaylord Brothers, Syracuse, N. Y. Magazine binders. 206,482; Oct. 6.
General Abrasive Company, Inc., Niagara Falls, N. Y. Silicon-carbide abrasive grains. 210,230; Oct. 6.
General Furniture Supply Co., The, Baltimore, Md. Household furniture. 213,566; Oct. 6.
General Match Co., The, Reading, Cincinnati, Ohio. Matches. 218,696; Oct. 6.
Glatti, Valentino, doing business as Italograppo Importing Co., New York, N. Y. Concentrated Italian grapes for grape jelly. 215,246; Oct. 6.
Gold Brand Confectionery Inc., Boston, Mass. Candy. 217,556; Oct. 6.
Golden State Milk Products Company, San Francisco, Calif. Candy tablets. 218,254; Oct. 6.
Goldman Costume Company, Inc., New York, N. Y. Monthly publication. 200,487; Oct. 6.
Goshen Manufacturing Company, The, Goshen, Ind. Ladders. 217,023; Oct. 6.
Grass-Grossinger Company, Scranton, Pa. Men's and boys' hats and caps. 219,031; Oct. 6.
Grayson, J. H., Manufacturing Company, The, Athens, Ohio. Gas heaters and parts thereof. 217,510; Oct. 6.
Groundwire Company, Newark, N. J. Electrical connecters. 217,874; Oct. 6.
Gulf State Medicine Company, Pascagoula, Miss. Antiseptic medicinal preparation for wounds, sores, sprains, etc. 215,007; Oct. 6.
Gump Baking Company, Detroit, Mich. Fried cakes. 210,383; Oct. 6.
Halstead Specialties Co., Oakland, Calif. Perfume and incense. 217,273; Oct. 6.
Hamilton Felting Company, The, Hamilton, Ohio. Cotton felting. 213,970; Oct. 6.
Hammond, G. H., Company, Chicago, Ill. Oleo oil. 217,770; Oct. 6.
Hance Brothers & White Incorporated, Philadelphia, Pa. Preparation for insecticide. 218,756; Oct. 6.
Hoffman, E. A., Candy Co., Los Angeles, Calif. Candy. 216,536; Oct. 6.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hohenstein, Henry, New York, N. Y. Photographs, photographic reproductions, calendars, etc. 217,515; Oct. 6.
Holland, Joshua, Chicago, Ill. Digestive remedy. 214,480; Oct. 6.
Hoover Company, The, North Canton, Ohio. Publication issued monthly. 213,645; Oct. 6.
Hoover Company, The, North Canton, Ohio. Publication issued semimonthly. 213,647; Oct. 6.
Horowitz, Oscar, doing business as Commercial Shirt Co., New York, N. Y. Dresses, slip-overs, bloomers, underwear, etc. 193,111; Oct. 6.
Hutcheson, Mrs. J. E., & Miss Miller Hutcheson, Beaumont, Tex. Salve. 216,893; Oct. 6.
Hyland Bros. Company, Inc., Chicago, Ill., and New York, N. Y. Hats for women and misses. 218,124; Oct. 6.
Index Werke Hahn & Kolb Esslingen-on-the-Neckar, Germany. Machines, particularly tool-making machines, grinding machines, etc. 218,010; Oct. 6.
Indian Refining Company, Incorporated, Lawrenceville, Ill., and New York, N. Y. Lubricating oils, greases, and compounds. 217,712; Oct. 6.
Innis, Speiden & Co., Inc., New York, N. Y. Chemical preparation suitable for improving the yield, taste, and keeping qualities of bread, etc. 216,836; Oct. 6.
International Paper Company, New York, N. Y. Writing and printing paper. 218,559; Oct. 6.
Italograppo Importing Co. (See Glatti, Valentino.)
Jarman Shoe Co., Nashville, Tenn. Boots and shoes. 219,187; Oct. 6.
Keen, Robinson & Company, Limited, London, England. Groats. 213,975; Oct. 6.
Kemitex Products Company, The, Akron, Ohio. Window-shade cloth. 211,936; Oct. 6.
Kirk, James S., & Company, Chicago, Ill. Soap. 216,346; Oct. 6.
Klotz, H. & G., Paris, France. Perfumed and toilet soaps, shaving-soap sticks and paste and powder. 216,413; Oct. 6.
Kuhn, Harry D., doing business as H. Dale Kuhn, H. Dale Kuhn Manufacturing Pharmacist, Kuhn Drug Company, and H. Dale Kuhn Laboratory, Shelby, Ohio. Laxative in pill form. 214,668; Oct. 6.
Landis Machine Company, Waynesboro, Pa. Cutter heads, thread-cutting machines, and cutters therefor. 160,142; Oct. 6.
Langbein-Kaufman Radio Co., The, New Haven, Conn. Radio receiving sets and parts. 217,716; Oct. 6.
Lawrence, A. C., Leather Company, Boston, Mass. Leather. 218,363; Oct. 6.
Lechler, Paul, Stuttgart, Germany. Water-repelling preservative paint and antirust composition. 217,349; Oct. 6.
Lefebre, Walter S., doing business as American Radio Sales Company, Newark, N. J. Radio vacuum tube. 214,489; Oct. 6.
Lehigh Chemist, Inc., New York, N. Y. Perfumes, toilet waters, bath salts, etc. 218,517; Oct. 6.
Lignole Corporation, The. (See Battelle & Hoskins Co.)
Lombardi, Giovanni, doing business as Lombardi Radio Mfg. Co., Derby, Conn. Variable plate condensers, variable couplers, rheostats, etc. 210,970; Oct. 6.
Los Angeles Soap Company, Los Angeles, Calif. Soap. 215,075; Oct. 6.
Lovit Company The, Milwaukee, Wis. Coffee substitute. 218,816; Oct. 6.
Lucas, Robert M., Chicago, Ill. Asphaltic-base paints for coating car roofs, etc. 192,707; Oct. 6.
M. t. E. v. Rademaker's Kon. Cacao & Chocolate Fabrieken, The Hague, Netherlands. Chocolates, candy, biscuits, and cocoa. 216,792; Oct. 6.
Masland, C. H., & Sons, Philadelphia, Pa. Textile rugs. 217,168; Oct. 6.
Matthews Dairies Company, The, Cincinnati, Ohio. Cottage cheese. 216,111; Oct. 6.
Maury-Cole Company, Memphis, Tenn. Coffee. 217,169–71; Oct. 6.
May Department Stores Company, The, St. Louis, Mo. Phonographs, talking machines, pianos, and player pianos. 212,276; Oct. 6.
Maxer, Joseph, Company, Inc., New York, N. Y. Finger rings, charms, amulets, bracelets, etc. 217,523; Oct. 6.
McKinley, Carrie A., doing business as The Ceylon Spice Co., Philadelphia, Pa. Tapioca. 204,619; Oct. 6.
McPherson Heights Citrus Association, Orange, Calif. Fresh citrous fruits. 217,105; Oct. 6.
Mendell, Jacob, doing business as J. Mendell Candy Co., Brooklyn, N. Y. Candy. 217,795; Oct. 6.
Miller, I., & Sons, Inc., Long Island City, N. Y. Shoes and overshoes. 217,035; Oct. 6.
Miller, I., & Sons, Inc., Long Island City, N. Y. Shoes and overshoes. 217,037; Oct. 6.
Millers Falls Company, Millers Falls, Mass., and New York, N. Y. Hack-saw blades. 208,922; Oct. 6.
Minimax Utilities Association, Oakland, Calif. Laundry and clothes washing machines. 210,742; Oct. 6.
Model Brassiere Co. Inc., New York, N. Y. Combination garment. 218,984; Oct. 6.
Mothersill Remedy Company, Limited, Montreal, Canada, and New York, N. Y. Remedy for seasickness. 216,740; Oct. 6.
Myer Candy Company Inc., Birmingham, Ala. Milk-chocolate nut candy bars. 213,393; Oct. 6.
Nashville Roller Mills, Nashville, Tenn. Wheat flour. 217,832; Oct. 6.
National Washboard Company, Chicago, Ill., and Saginaw, Mich. Folding ironing tables and washboards. 218,318; Oct. 6.
National Women's Press, The. (See Rankin, Enid S.)
NEA Service, Inc., Cleveland, Ohio. Comic strip. 211,858; Oct. 6.
NEA Service, Inc. Cleveland, Ohio. Humor column. 212,283; Oct. 6.
Nelson, Roy, doing business as Roy Nelson Canning Co., Crane, Mo. Canned vegetables. 218,133; Oct. 6.
Newton, Chambers & Company, Limited, Sheffield, England. Soaps. 218,016; Oct. 6.
Oceano Products Company, Newark, N. J. Laxative. 218,570; Oct. 6.
Old Colony Envelope Company, Westfield, Mass. Correspondence cards and mailing envelopes therefor. 217,478; Oct. 6.
Osakeyhtiö Savo, Kuopio, Finland. Matches. 207,882; Oct. 6.
Pacent Electric Company, Incorporated, New York, N. Y. Electrical apparatus for use with radio apparatus. 217,734; Oct. 6.
Paper Products Manufacturing Company, Swarthmore, Pa. Paper napkins. 218,137; Oct. 6.
Parfumerie Internationale Corday, Paris, France. Perfumes, toilet waters, face lotions, powders, etc. 194,465–7; Oct. 6.
Parfumerie Internationale Corday, Paris, France. Perfumes, toilet waters, face lotions, powders, etc. 194,470; Oct. 6.
Parfumerie Internationale Corday, Paris, France. Perfumes, toilet waters, face lotions, powders, etc. 201,508; Oct. 6.
Pep Stock Medicine Company, Winder, Ga. Dog remedy for the treatment of fits. 218,140; Oct. 6.
Peterson, Charles, Duluth, Minn. Dry-cleaning composition. 214,177; Oct. 6.
Phillips & Buttorff Mfg. Co., Nashville, Tenn. Heating stoves. 211,051; Oct. 6.
Pierce, S. S., Co., Boston, Mass. Soaps. 216,636; Oct. 6.
Pittsburg Water Heater Company, Pittsburgh, Pa. Hot-water heaters and storage systems. 202,077; Oct. 6.
Pollak, Henry, Inc., New York, N. Y. Plaits designed for the manufacture of hats. 214,499–501; Oct. 6.
Princeville Canning Co., The. (See Truitt, Henry.)
Purity Cosmetic Co., Bemidji, Minn. Dental cream. 215,298; Oct. 6.
Purox Company, Denver, Colo. Cartridges for use with liquid oxygen. 207,146; Oct. 6.
Rankin, Enid S., doing business as The National Women's Press, New York, N. Y. Periodical publication. 216,639; Oct. 6.
Redmanol Chemical Products Company, Chicago, Ill. Condensation products of phenols and formaldehyde. 218,086; Oct. 6.
Reid, Murdoch & Co., Chicago, Ill. Prepared cocoa-chocolate combination. 197,833; Oct. 6.
Reynolds Oil & Grease Co., Boston, Mass. Fuel oil, animal oil and greases, lubricating oil, etc. 213,258–9; Oct. 6.
Rhenania Verein Chemischer Fabriken Aktiengesellschaft, Colonia, Germany. Antiseptic. 215,876; Oct. 6.
Rhodes, Ernest L., Company, Atlanta, Ga. Ladies' hats. 216,847; Oct. 6.
Riley, Anna E., doing business as Ace Art Company, Reading, Mass. Corner mounts for photographs. 218,373; Oct. 6.
Roach-Appleton Manufacturing Company, Chicago, Ill. Switch boxes, outlet boxes and covers, ground clamps, etc. 198,258; Oct. 6.
Rodda, R. E., Candy Company, The, York, Pa. Candy. 217,683; Oct. 6.
Roessel, Louis, & Co., Inc., New York, N. Y. Silk goods in the piece. 217,483; Oct. 6.
Rogers Fibre Company, Boston, Mass. Counters for shoes. 218,500; Oct. 6.
Röhm & Haas Aktiengesellschaft, Darmstadt, Germany. Soaps, washing and soap powders, and soaps for use in the textile and tanning industries. 212,751; Oct. 6.
Roman, Michael A., New York, N. Y. Ice cream. 179,114; Oct. 6.
Roscott, Jacques, Lake Ronkonkoma and New York, N. Y. Refrigerators. 218,665; Oct. 6.
Rosenberg, I. L., doing business as Super-Smart Studios, Chicago, Ill. Monogram plates for automobiles. 218,205; Oct. 6.
Royal Maize Co. (See Doolittle, William W.)
Ryan, W. J., Corporation, Oklahoma City, Okla. Gasoline, lubricating oils and greases. 211,870; Oct. 6.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

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**Samuels Shoe Company, St. Louis, Mo.** Shoes and slippers. 217,637; Oct. 6.

**Sauppe Candy Company, York, Pa.** Candy. 184,364; Oct. 6.

**Saxon China Company, The, Sebring, Ohio.** China, porcelain, and earthenware dishes and sets of dishes. 217,114; Oct. 6.

**Schloss & Kahn Grocery Co., Montgomery, Ala.** Salt. 218,668; Oct. 6.

**Scott, Peter, & Co., Limited, Hawick, Scotland.** Knitted underwear, hosiery, sports coats, suits, etc. 214,684; Oct. 6.

**Sethness Company, Chicago, Ill.** Frozen water ice on a stick. 218,797; Oct. 6.

**Shepard, Joseph C., Wilmington, N. C.** Disinfectants and deodorizers. 218,212–13; Oct. 6.

**Shores-Mueller Company, Cedar Rapids, Iowa.** Medicinal tablets for treating diseases of poultry. 218,503; Oct. 6.

**Silten, Ernst, Berlin, Germany.** Solution for intravenous therapy of acute inflammatory processes. 203,443–4; Oct. 6.

**Silver Suds Manufacturing Company, Philadelphia, Pa.** Cleaning and polishing compounds. 217,184; Oct. 6.

**Smith, Eber L., doing business as Water Sprites Products Co., Barberton, Ohio.** Chemical crystal for softening water and cleaning purposes. 218,504; Oct. 6.

**Societe Anonyme Omnium de Specialites & Produits Chimiques, Paris, France.** Preparation for regulating the biliary and intestinal secretions. 218,779–80; Oct. 6.

**Soodsma, Henry, & Company, Paterson, N. J.** Salt. 218,877; Oct. 6.

**Sportlife Publishing Corporation, New York, N. Y.** Monthly magazine. 215,317; Oct. 6.

**Standard Oil Company (New Jersey), Bayonne, N. J.** Liquid gloss and floor dressing. 214,512; Oct. 6.

**Strahl & Pitsch, New York, N. Y.** Beeswax, paraffin wax, shellac wax, etc. 216,749; Oct. 6.

**Suomen Osuuskauppojen Keskuskunta, R. L., Helsingfors, Finland.** Safety matches. 215,106; Oct. 6.

**Super-Smart Studios.** (See Rosenberg, I. L.)

**Tedcastle, A. W., Company; Boston, Mass.** Leather shoes. 219,212; Oct. 6.

**Tennant Brothers, Inc., Dallas, Tex.** Electric machine for supplying air, light, and power, etc. 209,507; Oct. 6.

**Thompson Lubricating Company, Tacoma, Wash.** Auto oils, transmission oil, gear grease, etc. 213,810; Oct. 6.

**Tomson, P. C., & Co. Inc., Philadelphia, Pa.** Lye and chlorinated lime. 216,571; Oct. 6.

**Trainer Co., Walter L., Philadelphia, Pa.** Varnish, drier, japans, stains, etc. 214,757; Oct. 6.

**Trimm Radio Manufacturing Co., Chicago, Ill.** Radio supplies. 214,981; Oct. 6.

**Triner, Joseph, Company, Chicago, Ill.** Liniment, hand lotion, liquid hair shampoo, cough sedative. 218,781; Oct. 6.

**Troco Company, Chicago, Ill.** Oleomargarine, etc. 218,531; Oct. 6.

**True, Gratz A., New Orleans, La.** Antiseptic and astringent medicinal preparation for treatment of the skin. 216,750; Oct. 6.

**Truitt, Henry, doing business as The Princeville Canning Co., Princeville, Ill.** Canned vegetables. 205,716; Oct. 6.

**Tuttle & Bailey Manufacturing Company, New York and Brooklyn, N. Y.** Register tops. 218,343; Oct. 6.

**United States Farm Sales Company, Salina, Kans.** Automobile tire casings and tubes. 216,752; Oct. 6.

**Vallee, L., & Company, Inc., doing business as Bellegarde & Cie., New York, N. Y.** Food sauces. 211,311; Oct. 6.

**Van Driessche, H., Co., Inc., Gloversville, N. Y.** Pocketbooks. 218,344; Oct. 6.

**Vego-Hair Manufacturing Co., Gainesville, Fla.** Vegetable Spanish moss. 217,648; Oct. 6.

**Ward-Love Pump Corporation, Rockford, Ill.** Base-exchange water-softening materials. 218,675; Oct. 6.

**Washburn Crosby Company, Minneapolis, Minn.** Wheat flour. 218,511; Oct. 6.

**Water Sprites Products Co.** (See Smith, Eber L.)

**Watkins, J. R., Company, The, Winona, Minn.** Shaving creams and skin soap. 207,903; Oct. 6.

**Webster, William A., Company, The, Memphis, Tenn.** Shaving cream. 199,511; Oct. 6.

**Weismann, Arnold O., Chicago, Ill.** Zwieback. 217,973; Oct. 6.

**Westergaard & Company, B., Brooklyn, N. Y.** Sardines. 202,228; Oct. 6.

**Weydig Piano Corporation, New York, N. Y.** Pianos. 218,515; Oct. 6.

**Wheatstone, C., & Co., London, England.** Concertinas. 201,990; Oct. 6.

**Wheeler's Insecticide Co., Fort Valley, Ga.** Insecticide. 218,724; Oct. 6.

**White Cross Food Company, Racine, Wis.** Malted milk. 218,346; Oct. 6.

**Wildenberg Brothers, doing business as W. B. Manufacturing Company, New York, N. Y.** Radio receiving sets, alternating current power units, battery rectifiers, etc. 212,871; Oct. 6.

**Wilkins, John H., Co., Washington, D. C.** Coffee. 214,295–7; Oct. 6.

**Willard Storage Battery Company, Cleveland, Ohio.** Publication. 216,246; Oct. 6.

**Woods, Harley H., Chicago, Ill.** Candy. 200,027; Oct. 6.

**Wormser, Julie, Paris, France.** Perfume, toilet water, face and talcum powder, etc. 218,725; Oct. 6.

**Yardley & Co., Limited, London, England.** Perfumes, face and bath dusting powders. 218,032; Oct. 6.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

## CLASS 1.

**Leather.** Carl E. Schmidt and Company. 204,112; Oct. 6; Serial No. 201,719; published Sept. 30, 1924.

## CLASS 3.

**Horseshoe calks.** Phoenix Horse Shoe Co. 204,073; Oct. 6; Serial No. 213,041; published July 28, 1925.

**Trunks and wardrobe trunks.** W. W. Winship & Sons, Inc. 204,151; Oct. 6; Serial No. 213,872; published July 28, 1925.

## CLASS 5.

**Insulators, Porcelain.** Porzellanfabrik Ph. Rosenthal & Co., Aktiengesellschaft. 204,083; Oct. 6; Serial No. 207,593; published July 28, 1925.

## CLASS 6.

**Disinfectant and deodorant.** G. J. Lovell. 204,165; Oct. 6.

**Glycero-phosphate sirups, proteid products, etc.** Anglo-American Pharmaceutical Corp. 204,160; Oct. 6.

**Medicinal compound for diarrhea, etc.** Dr. D. Jayne & Son. 204,164; Oct. 6.

**Preparations for the treatment of diseases peculiar to women.** Dr. Kilmer & Co. 204,166; Oct. 6.

## CLASS 10.

**Fertilizer.** Burnham Chemical Company. 204,109; Oct. 6; Serial No. 211,829; published July 21, 1925.

## CLASS 12.

**Building columns.** Lally Column Co. 204,162; Oct. 6.

**Insulating material, Linings of heat-.** Keystone Hair Insulator Company. 204,159; Oct. 6.

## CLASS 15.

**Oils and greases.** General Petroleum Corporation. 204,005; Oct. 6; Serial No. 208,097; published June 16, 1925.

## CLASS 16.

**Cleaning compound, Automobile.** C-M-Products Company. 204,039; Oct. 6; Serial No. 211,459; published July 21, 1925.

**Cleanser and polish for furniture, leather, etc.** Holder Products Corporation. 204,097; Oct. 6; Serial No. 184,791; published July 14, 1925.

**Lacquer.** Egyptian Lacquer Manufacturing Company. 204,118; Oct. 6; Serial No. 215,458; published July 21, 1924.

**Lacquer.** Egyptian Lacquer Manufacturing Company. 204,119–22; Oct. 6; Serial Nos. 215,452–5; published July 21, 1925.

**Lampblack and carbon-gas black.** Wilckes Martin Wilckes Company. 204,094; Oct. 6; Serial No. 207,322; published July 14, 1925.

**Oil finish.** Ditzler Color Co. 204,148; Oct. 6; Serial No. 214,129; published July 28, 1925.

**Oil, Linseed.** American Linseed Company. 204,116–7; Oct. 6; Serial Nos. 215,497–8; published July 21, 1925.

**Paint.** J. F. Kurfees Paint Company. 204,124; Oct. 6; Serial No. 214,875; published July 21, 1925.

**Paint, cement preservatives, Ready-mixed.** Geo. D. Weatherill & Co. 204,074; Oct. 6; Serial No. 212,768; published July 14, 1925.

**Paint, Semipaste.** Phelan-Faust Paint Manufacturing Company. 204,136; Oct. 6; Serial No. 215,095; published July 21, 1925.

**Paints.** Illinois Oil Company. 204,080; Oct. 6; Serial No. 210 665; published July 21, 1925.

**Paints and colors.** A. Langlois. 204,101; Oct. 6; Serial No. 212,933; published July 14, 1925.

**Paints, Ready-mixed.** Valentine & Company. 204,129; Oct. 6; Serial No. 214,291; published July 14, 1925.

**Paints, varnishes, and prepared shellac.** Summit Varnish Company. 204,095; Oct. 6; Serial No. 198,483; published July 21, 1925.



**Polishing and cleansing material for automobiles, pianos, etc.** R. H. Jenkins. 204,037; Oct. 6; Serial No. 212,925; published July 21, 1925.

**Size, filler, sealer, and extender.** Phelan-Faust Paint Manufacturing Company. 204,137; Oct. 6; Serial No. 215,093; published July 21, 1925.

**Varnish.** C. A. Woolsey Paint & Color Co. 204,123; Oct. 6; Serial No. 214,986; published July 21, 1925.

**Varnishes and lacquers.** Wadsworth Watch Case Co. 204,035; Oct. 5; Serial No. 213,208; published July 21, 1925.

**Wax, Polishing.** John S. Clement Company. 204,133; Oct. 6; Serial No. 213,550; published July 14, 1925.

## CLASS 19.

**Brake shoes.** American Brake Shoe & Foundry Company. 204,106; Oct. 6; Serial No. 214,386; published July 21, 1925.

## CLASS 21.

**Radio receiving set.** Ernest Marlow Company. 204,110; Oct. 6; Serial No. 211,752; published July 21, 1925.

**Radio signaling apparatus and parts thereof.** Central Radio Laboratories. 204,006; Oct. 6; Serial No. 207,918; published June 9, 1925.

**Sound, Machines for electrically recording and reproducing.** Record-O-Phone Company. 204,111; Oct. 6; Serial No. 210,983; published July 21, 1925.

## CLASS 23.

**Horns.** Gilmore-Harris-Hornbeck Co. 204,082; Oct. 6; Serial No. 207,930; published July 21, 1925.

**Pumps and pump parts and fittings, including cages, plunger bushings, etc.** D. & B. Pump and Supply Co. 204,079; Oct. 6; Serial No. 211,462; published July 21, 1925.

**Razors, Safety.** American Safety Razor Corporation. 204,042; Oct. 6; Serial No. 215,838; published July 28, 1925.

**Razors, Safety.** Gem Safety Razor Corporation. 204,041; Oct. 6; Serial No. 215,853; published July 28, 1925.

**Rivet sets.** Ingersoll-Rand Company. 204,130; Oct. 6; Serial No. 213,900; published July 21, 1925.

**Shovels.** Zenith Shovel Company. 204,077; Oct. 6; Serial No. 212,115; published July 21, 1925.

**Sirens, foghorns, signaling horns, and whistles.** Knockums Mekaniska Verkstads Aktiebolag. 204,092; Oct. 6; Serial No. 210,735; published July 21, 1925.

**Tractors and tractor wheels.** Campco Tractors, Inc. 204,070; Oct. 6; Serial No. 213,767; published July 21, 1925.

**Type-casting machines.** R. E. Holland. 204,132; Oct. 6; Serial No. 213,785; published July 21, 1925.

**Wheels, Sprocket.** Link-Belt Company. 204,153; Oct. 6; Serial No. 213,791; published July 21, 1925.

## CLASS 27.

**Clocks and parts thereof.** Hamburg-Amerikanische Uhrenfabrik. 204,108; Oct. 6; Serial No. 213,019; published July 21, 1925.

## CLASS 34.

**Heating and ventilating units and casings therefor.** Peerless Unit Ventilation Co. 204,104; Oct. 6; Serial No. 214,498; published July 21, 1925.

## CLASS 35.

**Belting and thrasher belt.** Gandy Belting Company. 204,146–7; Oct. 6; Serial Nos. 214,408–9; published July 7, 1925.

**Belting having leather and canvas plies, Machine.** J. A. Webb Belting Company. 204,131; Oct. 6; Serial No. 213,819; published July 14, 1925.

**Belting, Rubber.** Jeffrey Manufacturing Co. 204,071–2; Oct. 6; Serial Nos. 213,306–7; published June 23, 1925.

**Inner tubes and tires.** Columbia Tire and Rubber Company. 204,012; Oct. 6; Serial No. 183,022; published Sept. 23, 1924.

## CLASS 39.

**Corsets and brassières, Combination.** International Corset Company. 204,096; Oct. 6; Serial No. 196,118; published Mar. 10, 1925.

**Gloves.** Steinberger Bros. Lobl Co. 204,099–100; Oct. 6; Serial Nos. 178,776–7; published Dec. 9, 1924.

**Gloves, Leather.** Fownes Brothers & Co. 204,113–15; Oct. 6; Serial Nos. 195,272–4; published July 14, 1925.

**Hats and hat linings, Ladies' and children's.** E. Berkenstadt. 204,105; Oct. 6; Serial No. 214,458; published July 21, 1925.

**Hats, caps, and helmets.** H. Johnson. 204,093; Oct. 6; Serial No. 207,385; published June 2, 1925.

**Hats, Ladies'.** London Feather Novelty Company 204,107; Oct. 6; Serial No. 214,026; published July 14, 1925.

**Hats, Ladies' and misses'.** Artistic Hat Works, Inc. 204,033; Oct. 6; Serial No. 213,354; published July 7, 1925.

**Hats, Men's.** Murphy-Gorman Company. 204,040; Oct. 6; Serial No. 211,116; published June 30, 1925.

**Heels, Rubber.** Nojar Rubber Heel Co. 204,102; Oct. 6; Serial No. 214,559; published July 14, 1925.

**Hosiery.** Glengair Company. 204,038; Oct. 6; Serial No. 212,079; published June 30, 1925.

**Raincoats, hats, hosiery, gloves, rubber boots, and shoes.** Société Française Trëugolnik. 204,098; Oct. 6; Serial No. 181,655; published July 14, 1925.

**Shirts, Men's.** R. H. Macy & Co. 204,157; Oct. 6; Serial No. 213,180; published July 7, 1925.

**Shoes.** Converse Rubber Shoe Co. 204,125–6; Oct. 6; Serial Nos. 214,851–2; published July 7, 1925.

**Shoes and slippers.** Icas Slipper Company. 204,091; Oct. 6; Serial No. 211,031; published May 19, 1925.

**Shoes, Leather.** Craddock-Terry Co. 204,036; Oct. 6; Serial No. 213,005; published July 7, 1925.

**Soles for shoes and shoes.** Melville Shoe Corporation. 204,127; Oct. 6; Serial No. 214,432; published July 7, 1925.

**Soles for shoes and shoes.** Melville Shoe Corporation. 204,128; Oct. 6; Serial No. 214,430; published July 7, 1925.

## CLASS 42.

**Cotton piece goods.** W. Hecht, 204,161; Oct. 6.

## CLASS 43.

**Yarns, twist floss, and thrown silk.** Frank F. Pels Company of New York. 204,158; Oct. 6.

## CLASS 46.

**Apples, Fresh.** Red Apple Orchard Corporation. 204,060; Oct. 6; Serial No. 214,276; published July 21, 1925.

**Bacon, sausage, lard, etc.** White Packing Company. 204,025; Oct. 6; Serial No. 209,188; published July 21, 1925.

**Biscuits, sugar wafers, cakes, cookies, and crackers.** Bremner Bros. 204,087; Oct. 6; Serial No. 197,251; published July 21, 1925.

**Bread and cake rolls.** Haskell Corporation. 204,044; Oct. 6; Serial No. 215,691; published July 21, 1925.

**Butter.** Bridgeman-Russell Co. 204,089; Oct. 6; Serial No. 155,986; published July 28, 1925.

**Butter.** Southern Ice & Utilities Company. 204,075; Oct. 6; Serial No. 212,510; published July 28, 1925.

**Cake.** General Baking Company. 204,027; Oct. 6; Serial No. 206,956; published July 21, 1925.

**Cake and macaroons.** Drake Bakeries Incorporated. 204,150; Oct. 6; Serial No. 213,894; published July 28, 1925.

**Cake wafers.** Geneva Biscuit Co. 204,021; Oct. 6; Serial No. 211,420; published July 28, 1925.

**Cakes.** Fisher Bros. Co. 204,134; Oct. 6; Serial No. 215,114; published July 21, 1925.

**Cakes.** Ontario Biscuit Company. 204,138; Oct. 6; Serial No. 215,089; published July 21, 1925.

**Cakes and cookies.** Junge Baking Company. 204,152; Oct. 6; Serial No. 213,841; published July 21, 1925.

**Candies.** Sperry Candy Company. 204,056; Oct. 6; Serial No. 214,694; published July 28, 1925.

**Candy.** Paul F. Beich Co. 204,059; Oct. 6; Serial No. 214,392; published July 28, 1925.

**Candy.** Chandler and Rudd Company. 204,051; Oct. 6; Serial No. 215,401; published July 28, 1925.

**Candy.** Darrow & Rudden. 204,068; Oct. 6; Serial Nos. 212,894–5; published July 21, 1925.

**Candy.** De Witt P. Henry Co. 204,052; Oct. 6; Serial No. 215,254; published July 28, 1925.

**Candy.** Stephen F. Whitman & Son, Inc. 204,050; Oct. 6; Serial No. 215,724; published July 28, 1925.

**Candy, Bar.** Field Company. 204,062; Oct. 6; Serial No. 214,067; published July 21, 1925.

**Candy, Stick.** Lovelace Candy Co. 204,090; Oct. 6; Serial No. 214,169; published July 21, 1925.

**Canned corn.** Iowa Canning Co. 204,065; Oct. 6; Serial No. 213,652; published July 21, 1925.

**Canned foods, fruit preserves, dried fruits, and molasses.** Reid, Murdoch & Co. 204,011; Oct. 6; Serial No. 186,330; published July 21, 1925.

**Canned foods, fruit salad, jams, etc.** Reid, Murdoch & Co. 204,009; Oct. 6; Serial No. 197,834; published July 21, 1925.

**Canned salmon.** Ideal Smoked Fish Corp. 204,067; Oct. 6; Serial No. 213,089; published July 21, 1925.

**Canned sardines and anchovies.** Great Atlantic and Pacific Tea Company. 204,016; Oct. 6; Serial No. 210,611; published July 21, 1925.

**Canned yellowtail fish.** Pacific Orient Company. 204,063; Oct. 6; Serial No. 215,172; published July 21, 1925.

**Cattle, swine, fruit, nuts, butter.** A. M. Baldwin. 204,163; Oct. 6.

**Cereals, Breakfast.** Anchor Milling & Grocery Company. 204,145; Oct. 6; Serial No. 214,575; published July 28, 1925.

**Cheese.** J. Capolino. 204,045; Oct. 6; Serial No. 215,680; published July 21, 1925.

**Cheese, mayonnaise dressing, and jellies, Cottage.** C. R. Ritz. 204,008; Oct. 6; Serial No. 205,951; published July 14, 1925.

**Chocolate, Eating.** Bishop & Company. 204,028; Oct. 6; Serial No. 205,814; published July 28, 1925.

**Coffee.** Atlantic Coffee Co. 204,031; Oct. 6; Serial No. 197,648; published July 21, 1925.

**Coffee.** W. L. Evans. 204,058; Oct. 6; Serial No. 214,539; published July 21, 1925.

Coffee. Janney-Marshall Co. 204,016–17; Oct. 6; Serial Nos. 210,560–1; published July 28, 1925.
Confections. Vermont Products Corporation. 204,078; Oct. 6; Serial No. 211,556; published July 28, 1925.
Confections, Fruit. Flomart, Inc. 204,022; Oct. 6; Serial No. 211,260; published July 21, 1925.
Cornstarch. Clinton Corn Syrup Refining Company. 204,045; Oct. 6; Serial No. 215,136; published July 28, 1925.
Desserts, Gelatin. J. Chalmers, jr. 204,156; Oct. 6; Serial No. 214,398; published July 21, 1925.
Eggs. Toloma Creamery. 204,047; Oct. 6; Serial No. 215,190; published July 21, 1925.
Eggs and poultry. F. A. Millard. 204,002; Oct. 6; Serial No. 210,069; published July 14, 1925.
Eggs, spices, mustard, cocoa, and coffee. Kent Storage Company. 204,010; Oct. 6; Serial No. 188,096; published July 21, 1925.
Feed, Stock. American Milk Company. 204,049; Oct. 6; Serial No. 215,120; published July 21, 1925.
Feed, Stock. Molasses Feeds Company. 204,088; Oct. 6; Serial No. 196,605; published July 21, 1925.
Fish. Kolbe Fish Company. 204,061; Oct. 6; Serial No. 214,084; published July 21, 1925.
Flour, Self-rising. Amendt Milling Co. 204,149; Oct. 6; Serial No. 214,118; published July 28, 1925.
Flour, Self-rising wheat. Red Star Milling Company. 204,046; Oct. 6; Serial No. 215,417; published July 21, 1925.
Flour, Self-rising wheat. Southern Illinois Mlg. & Elev. Company. 204,135; Oct. 6; Serial No. 215,100; published July 21, 1925.
Flour, Wheat. Ansted & Burk Co. 204,140–41; Oct. 6; Serial Nos. 214,770–1; published July 21, 1925.
Flour, Wheat. Fuhrer-Ford Milling Co. 204,013; Oct. 6; Serial No. 210,837; published July 21, 1925.
Flour, Wheat. Fuhrer-Ford Milling Co. 204,014; Oct. 6; Serial No. 210,838; published July 28, 1925.
Flour, Wheat. St. Paul Milling Company. 204,143; Oct. 6; Serial No. 214,628; published July 21, 1925.
Food, Poultry and stock. Maritime Milling Co. 204,081; Oct. 6; Serial No. 208,816; published July 28, 1925.
Food product. Merrell-Soule Company. 204,004; Oct. 6; Serial No. 209,486; published July 7, 1925.
Food product, Edible. Wayside Corporation. 204,142; Oct. 6; Serial No. 214,762; published July 21, 1925.
Food substances and preparations for dogs, poultry, and game. Spratt's Patent Limited. 204,003; Oct. 6; Serial No. 209,596; published July 14, 1925.
French dressing. French Dressing Specialty Co. 204,154; Oct. 6; Serial No. 207,004; published Feb. 24, 1925.
Fresh oranges, lemons, grapefruit. Escondido Fruit Growers Association. 204,064; Oct. 6; Serial No. 123,777; published July 28, 1925.
Fruits, Fresh citrous. Babson Park Citrus Growers Assn. 204,066; Oct. 6; Serial No. 213,219; published July 21, 1925.
Fruits, Fresh deciduous. F. W. Moore. 204,029; Oct. 6; Serial No. 208,529; published July 21, 1925.
Fruits, Fresh deciduous. G. D. Threlkel. 204,069; Oct. 6; Serial No. 212,762; published July 21, 1925.
Grapes, Fresh. Cortes Growers Association. 204,054; Oct. 6; Serial No. 214,945; published July 21, 1925.
Ham. Virden Packing Company. 204,026; Oct. 6; Serial No. 208,624; published July 21, 1925.
Ham and bacon. Standard Packing Company. 204,057; Oct. 6; Serial No. 214,570; published July 28, 1925.
Hams, bacon, lard, etc. A. Fink & Sons. 204,032; Oct. 6; Serial No. 180,471; published July 28, 1925.
Herring and cottonseed or other cooking oils. Korchin Bros. 204,023; Oct. 6; Serial No. 211,040; published July 21, 1925.
Honey. Anc-Co Preserving Co. 204,007; Oct. 6; Serial No. 206,272; published July 21, 1925.
Ice-cream cones. J. R. Fess. 204,001; Oct. 6; Serial No. 212,858; published July 21, 1925.
Jams, jellies, and fruit preserves. Best-Clymer Co. 204,024; Oct. 6; Serial No. 209,966; published July 28, 1925.
Lard substitutes. Houser Packing Company. 204,030; Oct. 6; Serial No. 200,255; published July 21, 1925.
Meal, Alfalfa. Denver Alfalfa Milling & Products Co. 204,144; Oct. 6; Serial No. 214,589; published July 21, 1925.
Middlings, Wheat. Moseley & Motley Milling Co. 204,043; Oct. 6; Serial No. 215,700; published July 21, 1925.
Oleomargarine. Eckerson Company. 204,076; Oct. 6; Serial No. 212,486; published July 21, 1925.
Oleomargarine. John F. Jelke Company. 204,084; Oct. 6; Serial No. 207,370; published July 28, 1925.
Oleomargarine. John F. Jelke Company. 204,085; Oct. 6; Serial No. 207,362; published July 21, 1925.
Oleomargarine. John F. Jelke Company. 204,086; Oct. 6; Serial No. 207,359; published July 28, 1925.
Powdered sugar. A. M. L. Syme. 204,018–20; Oct. 6; Serial Nos. 210,511–13; published July 28, 1925.
Preserves, Fruit. Sears, Roebuck and Co. 204,055; Oct. 6; Serial No. 214,827; published July 21, 1925.
Pumpernickel. Vietmeyer Bros., Inc. 204,139; Oct. 6; Serial No. 215,036; published July 21, 1925.
Salad dressing. Otis Clapp & Son, Inc. 204,155; Oct. 6; Serial No. 214,609; published July 21, 1925.
Varnishes, paint enamels, stains, floor oils, etc. Great Lakes Varnish Works, Inc. 204,034; Oct. 6; Serial No. 213,297; published July 14, 1925.
Vinegar. Olympia Canning Co. 204,000; Oct. 6; Serial No. 213,036; published July 14, 1925.

CLASS 50.

Cow hobble and tail holder. Simonsen Iron Works. 204,103; Oct. 6; Serial No. 214,506; published July 21, 1925.

## ALPHABETICAL LIST OF LABELS.

Blue Star. For Coffee. Closset & Devers. 29,293; Oct. 6.
Brite Star. For Coffee. Closset & Devers. 29,292; Oct. 6.
California Bear. For Fresh Lettuce. California Lettuce Growers, Inc. 29,291; Oct. 6.
Everite. For Hosiery. Hofmayer Dry Goods Co. 29,295; Oct. 6.
Holland Linen. For Writing Paper, Envelopes, and Writing Tablets. Taylor-Atkins Paper Company. 29,303; Oct. 6.
Hutchinson's. For Ice Cream. Menasha Printing and Carton Company. 29,297; Oct. 6.
Lemon Lotion Cream. For Lotion Cream. A. J. Krank Mfg. Co. 29,296; Oct. 6.
Namco. For Canned Chop-Suey Vegetables. North American Mercantile Company. 29,300; Oct. 6.
Opal. For Marmalade. J. Browning. 29,290; Oct. 6.
Py-O-Ra Gum. For Medicated Gum. E. S. Strong. 29,301; Oct. 6.
Rector. For Butter. Menasha Printing and Carton Company. 29,298; Oct. 6.
Red Star. For Coffee. Closset & Devers. 29,294; Oct. 6.
Rochester Special. For Butter. Sutherland Paper Company. 29,302; Oct. 6.
Royal Palm. For Cigars. W. C. Moger. 29,299; Oct. 6.
Wheaties. For Whole-Wheat Flakes. Washburn Crosby Company. 29,304; Oct. 6.
Wizard (#1). For Polish for Use on Furniture, Woodwork, Pianos, Floors, and Automobiles. Wizard, Inc. 29,306; Oct. 6.
Wizard (#2). For Polish for Use on Furniture, Woodwork, Pianos, Floors, and Automobiles. Wizard, Inc. 29,305; Oct. 6.

## ALPHABETICAL LIST OF PRINTS.

Four reasons for using Cream Of Wheat in cereal feeding treatment. For Wheat Breakfast Food. Cream Of Wheat Co. 8,252; Oct. 6.
Goodyear Tires Are Still Low Priced. For Vehicle Tires Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 8,253; Oct. 6.
Meyercord Process—The Modern Sign Painter. For Decalcomania Transfers. Meyercord Company. 8,255; Oct. 6.
Namco Crab. For Canned Crab Meat. North American Mercantile Company. 8,256; Oct. 6.
New Special Shock Reducing Spring. For Vehicle Springs. J. Kaestner. 8,254; Oct. 6.

# CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Abrasive grains, Silicon-carbide. General Abrasive Company. 210,230; Oct. 6.
Condensation products of phenol and formaldehyde. Redmanol Chemical Products Company. 218,086; Oct. 6.
Leather. A. C. Lawrence Leather Company. 218,303; Oct. 6.
Moss, Vegetable Spanish. Vego-Hair Manufacturing Company. 217,648; Oct. 6.

CLASS 3.

Pocketbooks. H. Van Driessche Co. 218,344; Oct. 6.

CLASS 4.

Cleaning and polishing compounds for gold, silver, etc. Silver Suds Manufacturing Company. 217,184; Oct. 6.
Cleaning composition, Dry-. C. Peterson. 214,177; Oct. 6.
Cleaning preparation for silk. W. W. Doolittle. 216,027; Oct. 6.
Preparation used as a cleaner. Cleanser Products Company. 216,711; Oct. 6.
Shaving cream. William A. Webster Company. 199,511; Oct. 6.
Shaving creams. J. R. Watkins Company. 207,903; Oct. 6.
Soap. James S. Kirk & Company. 216,346; Oct. 6.
Soap. Los Angeles Soap Company. 215,075; Oct. 6.
Soaps. Newton, Chambers & Company. 218,016; Oct. 6.
Soaps. S. S. Pierce Co. 216,686; Oct. 6.
Soaps and shaving-soap sticks, paste, and powder. H. & G. Klotz. 216,413; Oct. 6.
Soaps, washing powders, and soap powders. Röhm & Haas Aktiengesellschaft. 212,751; Oct. 6.
Sweeping compound, Floor-. Co-Mo Manufacturing Company. 217,007; Oct. 6.

CLASS 5.

Cements, Rubber and gasket. Central Laboratories Co. 218,608; Oct. 6.

CLASS 6.

Acid, Stearic. E. A. Bromund Co. 218,784; Oct. 6.
Antiseptic. Rhenania Verein Chemischer Fabriken Aktien-Gesellschaft. 216,876; Oct. 6.
Antiseptic and germicidal preparations. A. D. Barr. 215,677; Oct. 6.
Antiseptic medicinal preparation for wounds, sores, etc. Gulf State Medicine Company. 215,007; Oct. 6.
Antiseptic preparation for the treatment of sores, burns, etc. F. W. Brock. 216,583; Oct. 6.
Beeswax, paraffin wax, spermaceti, etc. Strahl & Pitsch. 216,749; Oct. 6.
Cement and antifreeze compounds for radiators, Radiator-sealing. Central Laboratories Co. 218,607; Oct. 6.
Chemical crystal for softening water and cleaning purposes. E. L. Smith. 218,504; Oct. 6.
Chemical preparation. Lunis, Speiden & Co. 216,836; Oct. 6.
Chemicals for destroying vermin and for exterminating pests, disinfectants, and vermin exterminants. Deutsche Gesellschaft für Schädlingsbekämpfung m. b. H. 216,509–10; Oct. 6.
Dental cream. Purity Cosmetic Co. 215,298; Oct. 6.
Disinfectants and deodorizers. J. C. Shepard. 218,212–13; Oct. 6.
Disinfectants, insecticides, etc. Actien-Gesellschaft für Anilin-Fabrikation. 213,877; Oct. 6.
Dog remedy for the treatment of fits. Pep Stock Medicine Company. 218,140; Oct. 6.
Douche, Vaginal. A. E. Fuoss. 218,849; Oct. 6.
Hair color restorer. J. E. Carter. 215,847; Oct. 6.
Insecticide. Wheeler's Insecticide Co. 218,724; Oct. 6.
Laxative. H. D. Kuhn. 214,668; Oct. 6.
Laxative. Oceano Products Company. 218,570; Oct. 6.
Liniment, hand lotion, liquid hair shampoo, cough sedative. Joseph Triner Company. 218,781; Oct. 6.
Lye and chlorinated lime. P. C. Tomson & Co. 216,571; Oct. 6.
Medicinal preparation. Ehro-Sulfur Laboratories Inc. 216,670; Oct. 6.
Medicinal preparation for the treatment of the skin. G. A. True. 216,750; Oct. 6.
Perfume and incense. Halstead Specialties Co. 217,273; Oct. 6.
Perfume, toilet water, face powder, etc. J. Wormser. 218,725; Oct. 6.
Perfumes, face and bath dusting powders. Yardley & Co. 218,032; Oct. 6.
Perfumes, toilet waters, etc. Leigh Chemist, Inc. 218,517; Oct. 6.
Perfumes, toilet waters, face lotions, etc. Parfumerie Internationale Corday. 194,465–7; Oct. 6.
Perfumes, toilet waters, face lotions, etc. Parfumerie Internationale Corday. 194,470; Oct. 6.
Perfumes, toilet waters, face lotions, etc. Parfumerie Internationale Corday. 201,508; Oct. 6.
Powder and cold cream, Talcum. American Products Company. 216,961; Oct. 6.
Powders, face creams, perfumes, toilet waters, etc., Face. Forst Laboratories. 183,104; Oct. 6.
Preparation for insecticides. Hance Brothers & White Incorporated. 218,756; Oct. 6.
Preparation for regulating the biliary and intestinal secretions. Societe Anonyme Omnium de Specialites & Produits Chimiques. 218,779; Oct. 6.
Preparation for regulating the biliary and intestinal secretions. Societe Anonyme Omnium de Specialites & Produits Chimiques. 218,780; Oct. 6.
Remedy, Digestive. J. Holland. 214,480; Oct. 6.
Remedy for seasickness. Mothersill Remedy Company. 216,740; Oct. 6.
Remedy, Reducing. E. H. Fow. 218,809; Oct. 6.
Rouge. Coty, Inc. 216,020–1; Oct. 6.
Salt. Schloss & Kahn Grocery Co. 218,668; Oct. 6.
Salt. Henry Soodsma & Company. 218,877; Oct. 6.
Salve. Mrs. J. E. Hutcheson & Miss Miller Hutcheson. 216,393; Oct. 6.
Solution for intravenous therapy of acute inflammatory processes. E. Silten. 203,443–4; Oct. 6.
Tablets for treating diseases of poultry. Shores-Mueller Company. 218,503; Oct. 6.
Water-softening materials. Ward-Love Pump Corporation. 218,675; Oct. 6.

CLASS 8.

Ash trays. Burger Stamping & Spinning Mfg. Co. 218,597; Oct. 6.

CLASS 9.

Cartridges. Purox Company. 207,146; Oct. 6.
Matches. Dougal Bros. 218,743–4; Oct. 6.
Matches. General Match Co. 218,696; Oct. 6.
Matches. Osakeyhtiö Savo. 207,882; Oct. 6.
Matches, Safety. Suomen Osuuskauppojen Keskuskunta, R. L. 215,106; Oct. 6.

CLASS 15.

Gasoline, lubricating oils and greases. W. J. Ryan Corporation. 211,870; Oct. 6.
Oils and greases. Thompson Lubricating Company. 213,810; Oct. 6.
Oils, greases, and compounds in the nature of lubricants, Lubricating. Indian Refining Company. 217,712; Oct. 6.
Oils, greases, etc., for lubricating purposes. Reynolds Oil & Grease Co. 213,258–9; Oct. 6.

CLASS 16.

Gloss and floor dressing, Liquid. Standard Oil Company (New Jersey). 214,512; Oct. 6.
Lacquer. Egyptian Lacquer Manufacturing Company. 215,897; Oct. 6.
Paint and antirust compositions, Water-repelling preservative. P. Lechler. 217,349; Oct. 6.
Paints, Asphaltic-base. R. M. Lucas. 192,707; Oct. 6.
Varnish, drier, japans, stains, etc. Walter L. Trainer Co. 214,757; Oct. 6.

CLASS 19.

Automobiles, Monogram plates for. I. L. Rosenberg. 218,205; Oct. 6.
Tire holders. H. M. Freedman. 216,387; Oct. 6.
Truck bodies, Automatic dumping automobile. Easton Car & Construction Company. 218,170; Oct. 6.

CLASS 21.

Batteries or accumulators and parts thereof, Electric storage. M. Dannenbirsch. 217,544; Oct. 6.
Condensers, rheostats, transformers, etc., Variable plate. G. Lombardi. 210,970; Oct. 6.
Electric machine. Tennant Brothers, Inc. 209,507; Oct. 6.
Electrical apparatus. Facent Electric Company. 217,734; Oct. 6.
Electrical connecters for pipe and conduit. Groundulet Company. 217,874; Oct. 6.
Elevators, Electric freight and passenger. American Elevator & Machine Company. 217,494; Oct. 6.
Fans, motors, and parts thereof and radio receiving sets and loud speakers and parts, Electric. Dayton Fan and Motor Company. 215,141; Oct. 6.
Horns, Electrical signal. American Bosch Magneto Corporation. 217,319; Oct. 6.
Hot plates and corn-popping machines, Electric. C. V. Champion & Company. 209,616; Oct. 6.

Radio loud speakers, Sound-amplifying horns for. Fiber Products Company. 184,164; Oct. 6.
Radio receiving and transmitting sets and parts of such sets, etc. Echophone Radio, Inc. 211,202; Oct. 6.
Radio receiving sets and parts. Langbein-Kaufman Radio Co. 217,716; Oct. 6.
Radio receiving sets and parts therefor. Experimenter Publishing Company. 200,550; Oct. 6.
Radio receiving sets, battery rectifiers, etc. Wildenberg Brothers. 212,871; Oct. 6.
Radio supplies. Trimm Radio Manufacturing Co. 214,981; Oct. 6.
Radio vacuum tube. W. S. Lefebre. 214,489; Oct. 6.
Radio panels and specially-treated wood products. Battelle & Hoskins Co. 205,726; Oct. 6.
Sockets for vacuum tubes. Benjamin Electric Manufacturing Company. 197,467; Oct. 6.
Switch boxes, outlet boxes and covers, ground clamps, etc. Roach-Appleton Manufacturing Company. 198,258; Oct. 6.
Telephone transmitters, Muffler attachment for. E. L. Beard. 215,768; Oct. 6.
Wireless telegraphy and telephony, Apparatus for. Bretwood, Ltd. 214,846; Oct. 6.

CLASS 23.

Cleaning machines, Dish, etc. Colt's Patent Fire Arms Manufacturing Company. 217,261; Oct. 6.
Cutter heads, thread-cutting machines, and cutters therefor. Landis Machine Company. 160,142; Oct. 6.
Indexing machines. Autodex Company. 216,251; Oct. 6.
Saw blades, Hack-. Millers Falls Company. 208,922; Oct. 6.
Tool-making machines, automatic revolving lathes, etc. Index Werke Hahn & Kolb. 218,010; Oct. 6.

CLASS 24.

Ironing tables and washboards, Folding. National Washboard Company. 218,318; Oct. 6.
Washing machines. Minimax Utilities Association. 210,742; Oct. 6.

CLASS 28.

Jewelry. Delta Sigma Phi Fraternity Inc. 217,546; Oct. 6.
Rings, charms, bracelets, brooches, etc. Joseph Mazer Company. 217,523; Oct. 6.
Tableware, Plated. American Silver Company. 217,243; Oct. 6.

CLASS 30.

China, etc., dishes and sets of dishes. Saxon China Company. 217,114; Oct. 6.

CLASS 31.

Filtering material, Vegetable. Dexter Research Laboratories, Inc. 214,466; Oct. 6.
Refrigerators. J. Roscott. 218,665; Oct. 6.

CLASS 32.

Furniture, Household. General Furniture Supply Co. 213,566; Oct. 6.

CLASS 34.

Cookstoves, Gas and coal. Chip-O-Tato Corporation of America. 217,257; Oct. 6.
Gas heaters and parts thereof. J. H. Grayson Manufacturing Company. 217,510; Oct. 6.
Hot-water heaters and storage systems. Pittsburg Water Heater Company. 202,077; Oct. 6.
Register tops. Tuttle & Bailey Manufacturing Company. 218,343; Oct. 6.
Stoves, Heating. Phillips & Buttoroff Mfg. Co. 211,051; Oct. 6.

CLASS 35.

Belting and thrasher belt. Gandy Belting Company. 214,407; Oct. 6.
Tire casings and tubes, Automobile. United States Farm Sales Company. 216,752; Oct. 6.

CLASS 36.

Concertinas. C. Wheatstone & Co. 201,990; Oct. 4.
Musical instruments of the zither type. Bosstone Company. 215,129; Oct. 6.
Phonographs, talking machines, pianos, and player pianos. May Department Stores Company. 212,276; Oct. 6.
Pianos. Weydig Piano Corporation. 218,515; Oct. 6.

CLASS 37.

Bank notes, checks, drafts, etc. Dennison & Sons, Inc. 212,371; Oct. 6.
Cards and mailing envelopes therefor, Correspondence. Old Colony Envelope Company. 217,478; Oct. 6.
Magazine binders. Gaylord Brothers. 206,482; Oct. 6.
Paper. International Paper Co. 218,559; Oct. 6.
Paper, correspondence cards, and mailing envelopes, Boxed writing. Associated Merchandising Corporation. 210,520; Oct. 6.
Paper, Crêpe. American Tissue Mills. 190,044; Oct. 6.
Paper, manuscript covers, and second sheets. Blake, Moffitt & Towne. 212,993; Oct. 6.
Paper napkins. Paper Products Manufacturing Company. 218,137; Oct. 6.
Paper, Wrapping. Fox Paper Company. 209,031; Oct. 6.
Pencils, Lead. Eagle Pencil Company. 217,866; Oct. 6.
Pens, Fountain Conklin Pen Manufacturing Co. 210,290; Oct. 6.
Photographs, Corner mounts for. A. E. Riley. 218,873; Oct. 6.

CLASS 38.

Comic strip. NEA Service, Inc. 211,858; Oct. 6.
Humor column. NEA Service, Inc. 212,283; Oct. 6.
Magazine, Monthly. Burten & Greneker. 210,708; Oct. 6.
Magazine, Monthly. Sportlife Publishing Corporation. 215,317; Oct. 6.
Magazine, Title of Monthly. American Federation of Arts, Inc. 214,939; Oct. 6.
Photographs, photolithographs, etc. H. Hohenstein. 217,515; Oct. 6.
Pictures. Abraham & Straus, Inc. 200,299; Oct. 6.
Publication, Monthly. Goldman Costume Company. 200,487; Oct. 6.
Publication, Monthly. Hoover Company. 213,645; Oct. 6.
Publication, Monthly. Willard Storage Battery Company. 216,246. Oct. 6.
Publication, Periodical. E. S. Rankin. 216,639; Oct. 6.
Publication, Quarterly. Joseph Dixon Crucible Company. 217,138; Oct. 6.
Publication, Semimonthly. Hoover Company. 213,647; Oct. 6.

CLASS 39.

Boots and shoes. Jarman Shoe Co. 219,187; Oct. 6.
Dresses, slip-overs, and bloomers, etc. O. Horowitz. 193,111; Oct. 6.
Garment, Combination. Model Brassiere Co. 218,984; Oct. 6.
Hats and caps, Men's and boys'. Grase-Grossinger Company. 219,031; Oct. 6.
Hats for women and misses. Hyland Bros. Company. 218,124; Oct. 6.
Hats, Ladies'. Ernest L. Rhodes Company. 216,847; Oct. 6.
Heels, Rubber. Essex Rubber Company. 218,543; Oct. 6.
Hosiery. Cooper Underwear Company. 216,019; Oct. 6.
Putties and riding boots. Colt-Cromwell Company. 217,697; Oct. 6.
Shoe counters. Rogers Fibre Company. 218,500; Oct. 6.
Shoes and overshoes. I. Miller & Sons. 217,035; Oct. 6.
Shoes and overshoes. I. Miller & Sons. 217,037; Oct. 6.
Shoes and slippers. Samuels Shoe Company. 217,637; Oct. 6.
Shoes, Leather. A. W. Tedcastle Company. 219,212; Oct. 6.
Underwear, hosiery, sport coats, and suits, etc., Knitted. Peter Scott & Co. 214,684; Oct. 6.

CLASS 40.

Plaits designed for the manufacture of hats. Henry Pollak, Inc. 214,499–501; Oct. 6.

CLASS 42.

Rugs, Textile. C. H. Masland & Sons. 217,168; Oct. 6.
Shade cloth, Window-. Kemitex Products Company. 211,936; Oct. 6.
Silk goods in the piece. Louis Roessel & Co. 217,483; Oct. 6.

CLASS 46.

Cakes, Fried. Gump Baking Company. 210,383; Oct. 6.
Candy. Bunte Brothers. 217,757; Oct. 6.
Candy. Gold Brand Confectionery Inc. 217,556; Oct. 6.
Candy. E. A. Hoffman Candy Co. 216,536; Oct. 6.
Candy. J. Mendell. 217,795; Oct. 6.
Candy. R. E. Rodda Candy Company. 217,683; Oct. 6.
Candy. Sauppe Candy Company. 184,364; Oct. 6.
Candy. H. H. Woods. 200,027; Oct. 6.
Candy bars. Bradley, Smith Co. 200,089; Oct. 6.
Candy bars, Milk-chocolate nut. Myer Candy Company. 213,393; Oct. 6.
Candy tablets. Golden State Milk Products Company. 218,254; Oct. 6.
Canned prunes. Drager Fruit Co. 201,924; Oct. 6.
Canned salmon. Alaska Consolidated Canneries, Inc. 217,490; Oct. 6.
Canned vegetables. R. Nelson. 218,133; Oct. 6.
Canned vegetables. H. Truitt. 205,716; Oct. 6.
Cheese, Cottage. Matthews Dairies Company. 216,111; Oct. 6.
Cheese, Grated. E. H. Locatelli. 214,087; Oct. 6.
Chocolates, candy, biscuits, and cocoa. M. t. E. v. Rademaker's Kon. Cacao & Chocolade Fabrieken. 216,792; Oct. 6.



Cocoa-chocolate combination, Prepared. Reid, Murdoch & Co. 197,833; Oct. 6.
Coffee. Frey-Weaver Co. 217,021; Oct. 6.
Coffee. Maury-Cole Company. 217,169–71; Oct. 6.
Coffee, John H. Wilkins Co. 214,295–7; Oct. 6.
Coffee substitute. Lovit Company. 218,316; Oct. 6.
Feeds and foodstuffs for poultry, cattle, etc. Edgar-Morgan Co. 216,513–14; Oct. 6.
Flour and feed. Acme-Evans Company. 218,875; Oct. 6.
Flour, Wheat. Nashville Roller Mills. 217,832; Oct. 6.
Flour, Wheat. Washburn Crosby Company. 218,511; Oct. 6.
Fruits and vegetables. O. O. Eaton. 214,406; Oct. 6.
Fruits and vegetables, Fresh and dried. Esposito and Durnil. 190,374; Oct. 6.
Grapes, Concentrated. V. Giatti. 215,246; Oct. 6.
Groats. Keen, Robinson & Company. 213,975; Oct. 6.
Ice cream. M. A. Roman. 179,114; Oct. 6.
Ice on a stick, Frozen water. Sethness Company. 216,797; Oct. 6.
Milk, Malted. White Cross Food Company. 218,346; Oct. 6.
Oil, Oleo. G. H. Hammond Company. 217,770; Oct. 6.
Oleomargarine, etc. Troco Company. 218,531; Oct. 6.
Oranges, lemons, and grapefruit. McPherson Heights Citrus Association. 217,105; Oct. 6.
Pepper sauce, Sweet spiced. Fleming-Green Company. 218,302; Oct. 6.
Potatoes, Fried. Chip-O-Tato Corporation of America. 217,258; Oct. 6.
Sardines. B. Westergaard & Company. 202,228; Oct. 6.
Sauces adapted for preparing lobster, crab meat, shrimps, etc., Food. L. Vallee & Company. 211,311; Oct. 6.
Shortening. Best Foods, Inc. 215,500; Oct. 6.
Tapioca. C. A. McKinley. 204,619; Oct. 6.
Zwieback. A. O. Weismann. 217,973; Oct. 6.

CLASS 50.

Felting, Cotton. Hamilton Felting Company. 213,970; Oct. 6.
Ladders. Goshen Manufacturing Company. 217,023; Oct. 6.
Leg bands for fowls. M. Bayerdorffer. 218,007; Oct. 6.
Tarpaulins, Waterproof canvas. C. R. Daniels, Inc. 218,248; Oct. 6.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 6TH DAY OF OCTOBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abell, Roy B., Vancouver, British Columbia, assignor of one-half to E. Bagnall, Toronto, Canada. Bearing bushing. 1,556,467; Oct. 6.

Abercrombie, James S., and H. S. Cameron, Houston, Tex. Fishing tool for wells. 1,555,811; Oct. 6.

Actien Gesellschaft für Anilin Fabrikation. (See Herzberg, W., and Hoppe, assignors.)

Actien Gesellschaft für Anilin Fabrikation. (See Kaltwasser, O., Kirchhoff, and Oehrn, assignors.)

Adrian, Elizageth G., New York, N. Y. Doll. Des. 68,367; Oct. 6.

Affel, Herman A. (See Espenschied, L., and Affel.)

Agricola, Herman A., jr., assignor of forty-nine one-hundredths to J. E. Lane, Atlanta, Ga. Printing-press attachment. 1,555,812; Oct. 6.

Alamo, Oscar, New Orleans, La. Sanitary collar. 1,556,468; Oct. 6.

Albee, William H., assignor to B. A. Corbin & Son Company, Marlboro, Mass. Heel-building machine. 1,556,395; Oct. 6.

Alderman, Edwin T. (See Farrington, V. L., and Alderman.)

Alderman, Eugene R., assignor to Farr Alpaca Company, Holyoke, Mass. Bobbin-handling machine. 1,556,469; Oct. 6.

Allan, James E., Detroit, Mich. Machine for cutting and pressing fruit and for mixing juices. 1,555,929; Oct. 6.

Allemeier, Herbert M., and G. R. Morris, Maumee, Ohio. Electric cigar lighter. 1,555,815; Oct. 6.

Allen, George W., Indio, Calif. Tool for facilitating the rolling of pneumatic-tire inner tubes. 1,556,279; Oct. 6.

Allen, John H., assignor to The McClary Manufacturing Company, London, Ontario, Canada. Fuse block. 1,555,930; Oct. 6.

Allied Packers, Incorporated. (See Hill, Bert E., assignor.)

Allien, Victor S., assignor to Darco Corporation, Wilmington, Del. Recovering oils. 1,556,396; Oct. 6.

Allison, Hop W., Hurley, N. Mex. Violin. 1,555,813; Oct. 6.

Allman, John H., trustee. (See Hansson, Soren, assignor.)

Aluminum Cooking Utensil Company, The. (See Wilson, John H., assignor.)

Alvord, John F. (See Molyneux, George E., assignor.)

Ambler, Robert R., and P. R. Rohrbacher, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Method and machine for covering strip material. 1,555,816; Oct. 6.

American Car and Foundry Company. (See Auchincloss, William K., assignor.)

American Car and Foundry Company. (See Clarke, Allen W., assignor.)

American Car and Foundry Company. (See Fisher, John F., assignor.)

American Car and Foundry Company. (See Hervig, Richard, assignor.)

American Car and Foundry Company. (See Hollingsworth, Marion W., assignor.)

American Car and Foundry Company. (See Johnson, Warren V., assignor.)

American Car and Foundry Company. (See Kaseberg, Theodore C., assignor.)

American Car and Foundry Company. (See McBride, John J., assignor.)

American Car and Foundry Company. (See Ritter, Leroy F., assignor.)

American Car and Foundry Company. (See Willoughby, Victor, assignor.)

American Car and Foundry Company. (See Wolf, James B., assignor.)

American Cutter Company. (See Newman, Gertrude H. and F. H., assignors.)

American Dressler Tunnel Kilns, Inc. (See Dressler, Conrad, assignor.)

American Dressler Tunnel Kilns, Inc. (See Dressler, Philip d'H., assignor.)

American Dressler Tunnel Kilns, Inc. (See Meehan, Paul A., assignor.)

American Dressler Tunnel Kilns, Inc. (See Steere, Robert W., assignor.)

American Fabrics Company, The. (See Page, Samuel H., assignor.)

American Hard Rubber Company. (See Carson, Oswald B., assignor.)

American Magnesium Corporation. (See Bakken, Herman E., assignor.)

American Magnesium Corporation. (See Hunt, Andrew M., assignor.)

American Manganese Steel Company. (See Exton, Alfred H., assignor.)

American Narrow Fabric Company. (See Brown, Arnold V., assignor.)

American National Company, The. (See Weber, John, assignor.)

American Optical Company. (See Favre, George C., assignor.)

American Optical Company. (See King, Burnham W., assignor.)

American Optical Company. (See Morrissey, James T., assignor.)

American Optical Company. (See Ohlwiler, Clarence H., assignor.)

American Optical Company. (See Tillyer, Edgar D., assignor.)

American Stove Company. (See Moecker, H. jr., Hammermeister, and Thompson, assignors.)

American Telephone and Telegraph Company. (See Davidson, John, jr., assignor.)

American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)

American Telephone and Telegraph Company. (See Espenschied, L., and Affel, assignors.)

American Telephone and Telegraph Company. (See Fell, John M., assignor.)

American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)

American Telephone and Telegraph Company. (See Pierce, Ralph E., assignor.)

American Telephone and Telegraph Company. (See Thompson, Elmer O., assignor.)

American Voith Contact Company. (See Thaler, Wilhelm, assignor.)

Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)

Anderson, Edward, assignor to The A. A. Simonds-Dayton Company, Dayton, Ohio. Method and apparatus for making ceramic products. 1,556,193; Oct. 6.

Anderson, Edward V., Belle Vernon, assignor of one-half to C. E. Golden, Crafton, Pa. Control valve. 1,555,817; Oct. 6.

Anderson, Harry T. (See Hansson, Soren, assignor.)

Andrews, Isaac, Spartanburg, S. C. Wire-cutting block for loom reed. 1,556,470; Oct. 6.

Andrus, Edwin M., Macon, Ga. Graver sharpener. 1,556,471; Oct. 6.

Apex Chandelier Co. (See Tepfer, Harry, assignor.)

Apple, Vincent G., Dayton, Ohio. Building armatures. 1,555,931; Oct. 6.

Appleton Manufacturing Company. (See Sperry, Herbert B., assignor.)

Artistic Brass & Bronze Wks. Inc. (See Poritz, Frederick M., assignor.)

Artsilk Limited. (See Stevenson, Walter J., assignor.)

Ashmead Danks Company, The. (See Danks, Alfred C., assignor.)

Aspinall, Daniel, assignor of one-tenth to R. D. Pearson and two-thirds to J. Linson, Los Angeles, Calif. Oil-salvaging means. 1,555,814; Oct. 6.

Athens Plow Company. (See Stephenson, Jay G., assignor.)

Auburn Rubber Company. (See Murray, Albert L., assignor.)

Auchincloss, William K., assignor to American Car and Foundry Company, New York, N. Y. Tank-dome closure. 1,555,932; Oct. 6.

Automatic Electric Company. (See Owen, William W., assignor.)

Automatic Electric Company. (See Richardson, Rodney G., assignor.)

Babcock & Wilcox Company, The. (See Cox, Andrew B., assignor.)

Bacher, Rollin L., Cleveland Heights, assignor to The United States Air Compressor Co., Cleveland, Ohio. Air-supply tower. 1,556,397; Oct. 6.

Bacon, Frederic S., Middletown, Conn. Rotating retort. 1,556,194; Oct. 6.

Bagnall, Edwin. (See Abell, Roy B., assignor.)

Bailes, C. Sheridan. (See McClease, Ervin H., assignor.)
Bailey, David R., Sacramento, assignor to California Almond Growers Exchange, San Francisco, Calif. Apparatus for coating food products. 1,556,472; Oct. 6.
Baker, Edward C. (See Baker, George B., H. B., and E. C.)
Baker, George B., H. B., and E. C., Brockton, Mass. Tack machine. 1,555,933; Oct. 6.
Baker, George R. (See Baker, George S. and G. R.)
Baker, George R., and R. Head, London, England, assignors to Joseph Baker Sons and Perkins Company, Incorporated, White Plains, N. Y. Apparatus for the coating of confections and the like. 1,556,195; Oct. 6.
Baker, George S. and G. R., London, England, assignors to Baker-Perkins Company, Incorporated, White Plains, N. Y. Apparatus for the manufacture of biscuits and the like. 1,556,196; Oct. 6.
Baker, Herbert B. (See Baker, George B., H. B., and E. C.)
Baker, Joseph, Sons and Perkins Company. (See Baker, G. R., and Head, assignors.)
Baker-Perkins Company. (See Baker, George S. and G. R., assignors.)
Bakken, Herman E., assignor to American Magnesium Corporation, Niagara Falls, N. Y. Melting and pouring magnesium. 1,555,956; Oct. 6.
Ball, John P., Chicago, Ill. Sawing machine. 1,556,061; Oct. 6.
Ballou, Howard M., North Attleboro, Mass. Handle or grip for golf clubs. 1,556,473; Oct. 6.
Ballou, Howard M., assignor to R. Blackinton & Co., North Attleboro, Mass. Vanity case. 1,556,398; Oct. 6.
Balogh, Peter. (See Szabo, A., and Balogh.)
Barker, Cauley M., Cross City, Fla. One-way valve. 1,555,934; Oct. 6.
Barnay, Antoine, Villeneuve St. Georges, France. Automatic switching system. 1,556,474; Oct. 6.
Barney, Fred H., Fort Worth, and W. J. Gourley, Weatherford, Tex. Bearing saddle for pump jacks. 1,556,475; Oct. 6.
Barnickel, William S., deceased, St. Louis, Mo.; S. Lehmann and J. S. Lehmann, executors. Treating petroleum emulsions. 1,555,818; Oct. 6.
Barrett, James, Archbald, Pa. Coupler. 1,556,476; Oct. 6.
Bartlett, George M., assignor to Diamond Chain and Manufacturing Company, Indianapolis, Ind. Speed-change mechanism. 1,556,399; Oct. 6.
Bartlett, John M., Waterville, Me. Valve-grinding machine. 1,556,197; Oct. 6.
Baruch, Samuel, New York, N. Y. Device for tightening and fastening bale bands. 1,555,819; Oct. 6.
Bashara, Samuel F., Houston, Tex. Shock-absorbing device for motor vehicles. 1,555,935; Oct. 6.
Bates, George E., Syracuse, N. Y. Direction indicator for motor vehicles. 1,556,400; Oct. 6.
Baugh, Luther A., Garden City, Kans. Range finder for golf clubs. 1,556,062; Oct. 6.
Becka, Frank E., Cleveland, Ohio. Portable lamp for sewing machines, etc. 1,555,820; Oct. 6.
Becker, Axel, assignor to Dauchy Iron Works, Chicago, Ill. Grating. 1,556,063; Oct. 6.
Becker, H. Kirke. (See Jurgens, E. G., and Becker.)
Becker, Julius H., assignor to Goodman Bros., San Francisco, Calif. Grease injector. 1,556,198; Oct. 6.
Becker, William B., and O. C. Morningstar, San Diego, Calif. Billiard-cue-chalking device. 1,556,064; Oct. 6.
Beckerman, George J., Crichton, Ala. Plant-setting implement. 1,556,065; Oct. 6.
Beckmann, William C., Berkeley, Calif. Fish-trap apron. 1,556,401; Oct. 6.
Begtrup, Edward F., Jersey City, assignor to Metal & Thermit Corporation, Chrome, N. J. Method of and apparatus for welding rails. 1,556,402; Oct. 6.
Beisel, Rex B. (See Ray, W. A., and Beisel.)
Belk, Ernst G. (See Bittroif, Wilhelm, assignor.)
Bell, Elmer, Mount Pleasant, Pa. Tumbler or similar article. Des. 68,368; Oct. 6.
Bell, Harry E., Sawtelle, Calif. Concrete construction. 1,556,066; Oct. 6.
Bellows, Walter C., New York, N. Y. Coin detector. 1,556,477; Oct. 6.
Benét, Laurence V., Levallois-Perret, assignor to Société Anonyme des Anciens Etablissements Hotchkiss & Cie., St. Denis, Seine, France. Carriage for anti-aircraft guns. 1,556,478; Oct. 6.
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Fixture-supporting device. 1,555,821; Oct. 6.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Fixture-supporting device. 1,555,822; Oct. 6.
Berg, Joseph, Brooklyn, N. Y. Trunk. 1,556,280; Oct. 6.
Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Hand tool. 1,555,823; Oct. 6.
Bernbaum, John W., Chicago, Ill., assignor to Chicago-Cleveland Car Roofing Company, Wilmington, Del. Carline construction. 1,555,936; Oct. 6.
Bethlehem Steel Company. (See Maurer, William G., assignor.)
Bethmann, William F., Buffalo, N. Y. Razor sharpener. 1,556,199; Oct. 6.
Biddlecombe, Frank G. L. (See Chapman, A. W., and Biddlecombe.)
Billman, Jesse B., Gunsight, Tex. Checker board. 1,555,937; Oct. 6.
Bingham, George W., assignor to Widescope Camera Co., Newark, N. J. Motion-picture device. 1,555,824; Oct. 6.
Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Incandescent-electric-lamp fixture. 1,556,403; Oct. 6.
Bittroif, Wilhelm, assignor to E. G. Bek, Pforzheim, Germany. Soldering machine. 1,556,404; Oct. 6.
Blackburn Aeroplane & Motor Company, The. (See Bumpus, Frank A., assignor.)
Blackford, Gilbert V., Independence, Kans. Timer brush. 1,555,901; Oct. 6.
Blackinton, R., & Co. (See Ballou, Howard M., assignor.)
Blake, Fred M., Fulton, N. Y. Safety device for motor vehicles. 1,555,900; Oct. 6.
Blanchard, Fred H., Los Angeles, Calif. Interlocking plaster board. 1,556,554; Oct. 6.
Blauhorn, Emanuel. (See Hajek, O., and Blauhorn.)
Bleuel, William H., Pittsburgh, Pa. Automatic spring machine. 1,556,405; Oct. 6.
Bloch, Leon, assignor to The Republic Brass Company, Cleveland, Ohio. By-pass valve with stop and mounting therefor. 1,556,406; Oct. 6.
Blomquist, Johan V., and K. F. Wessblad, Stockholm, Sweden. Steam generator. 1,556,143; Oct. 6.
Bock, Everett M., Elkhart, Ill. Railway-crossing signal. 1,556,068; Oct. 6.
Bodine, Frank, Visalia, Calif. Fruit collector. 1,556,480; Oct. 6.
Bogin, Charles, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Purification of butyric aldehyde. 1,556,067; Oct. 6.
Bonnet, John, Hayward, Calif. Garage door. 1,556,281; Oct. 6.
Boos, Henry P., Minneapolis, Minn. Paper weight. Des. 68,369; Oct. 6.
Bosch, Meinert J., Chancellor, S. Dak. Folding bed. 1,556,482; Oct. 6.
Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Push-button switch. 1,556,069; Oct. 6.
Böttcher, Alfred, Dusseldorf, Germany. Valve gear for pipes with several branches. 1,556,407; Oct. 6.
Boucher, Antheime, Paris, assignor to la Société le Fer, Grenoble, France. Plant to manufacture iron by electrolytic means. 1,556,408; Oct. 6.
Boumphrey, Geoffrey M., Lymm, England. Cabinet. 1,556,008; Oct. 6.
Bowen, Bertha. (See Woodley, Katherine B., assignor.)
Bowen, David R., Ansonia, and C. F. Schnuck, New Haven, assignors to Farrell Foundry & Machine Company, Ansonia, Conn. Machine for treating rubber and similar material. 1,555,825; Oct. 6.
Bowen, Michael B., assignor to Faries Manufacturing Company, Decatur, Ill. Arm for lighting fixtures. Des. 68,370; Oct. 6.
Bowman, Irvin J., Johnstown, Pa. Glareshield. 1,556,409; Oct. 6.
Bowser, S. F., & Co. (See Mensing, Clarence W., assignor.)
Boyer, James L., Johnstown, Pa. Valve-operating mechanism for internal-combustion engines. 1,556,410; Oct. 6.
Bradey, Harry B., Yacolt, Wash. Circuit closer. 1,556,282; Oct. 6.
Brady, Claude H., Neodesha, Kans. Shock absorber for vehicle lamps. 1,555,902; Oct. 6.
Brandenburg, Carrie C., Washington, D. C. Handkerchief-display card. 1,556,484; Oct. 6.
Brandenburg, Francis C., assignor to The Wood Shovel and Tool Company, Piqua, Ohio. Shovel. 1,556,200; Oct. 6.
Brant, George M., Hamilton, Ill. Circuit closer for railway-crossing signals. 1,556,070; Oct. 6.
Brei, John B., jr., Ferryville, Wis. Draft equalizer. 1,556,283; Oct. 6.
Brett, Henry E., Los Angeles, Calif. Mortuary furnace. 1,555,938; Oct. 6.
Briggs Manufacturing Company. (See Maise, Herman C., assignor.)
Brighton Manufacturing Company. (See Coop, William L., assignor.)
Brill, August C., Oberursel near Frankfort-on-the-Main, Germany, assignor to The Turner Tanning Machinery Company, Portland, Me. Glazing machine for operating on leather, hides, and the like. 1,556,071; Oct. 6.
Brisbois, Odilon, Chicago, Ill. Yielding friction drive. 1,555,939; Oct. 6.
Bristol Stove & Foundry Company, Inc. (See Wilkinson, Ellis H., assignor.)
Brocksmith, Adolph R., St. Louis, Mo. Combination rear fender brace and bumper. 1,556,309; Oct. 6.
Brown, Alvy A., Long Beach, Calif. Safety device for drilling derricks. 1,556,555; Oct. 6.
Brown, Arnold V., Worcester, Mass., assignor to American Narrow Fabric Company. Detachable connecting device for hose supporters. 1,555,903; Oct. 6.



Brown & Barlow Limited. (See Brown, Clement, assignor.)
Brown, Clement, assignor of one-half to Brown & Barlow Limited, Witton, near Birmingham, England. Flexible power-transmission mechanism. 1,556,411; Oct. 6.
Brown, Collingwood B., jr., Montreal, Quebec, Canada. Compartment car. 1,556,483; Oct. 6.
Brown, Leroy, assignor to H. M. Rodman, Baltimore, Md. Safety attachment for gas cocks. 1,556,567; Oct. 6.
Brown-Lipe Gear Company, The. (See Coughtry, William R., assignor.)
Brückner, Elliott W., Jersey City, N. J. Cry-producing device. 1,556,412; Oct. 6.
Brunk, Mary V., Kansas City, Kans. Garment fastener. 1,556,485; Oct. 6.
Brunson, Randolph, East Orange, N. J. Shoe rack. 1,555,904; Oct. 6.
Bryant Zinc Company. (See Mikelly, Samuel, assignor.)
Buck, Charles P., Topeka, Kans. Automatic vacuum control apparatus. 1,556,072; Oct. 6.
Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)
Buettner, Henry F., Hampton, Iowa. Adjustable supporting bracket. 1,556,413; Oct. 6.
Bull, Arthur A., Detroit, Mich. Air cleaner. 1,555,905; Oct. 6.
Bültemann, August, Dresden, Germany. Making insulators. 1,555,940; Oct. 6.
Bumpus, Frank A., Elloughton, Brough, near Hull, assignor to The Blackburn Aeroplane & Motor Company Limited, Yorkshire, England. Aeroplane with folding wings. 1,556,414; Oct. 6.
Burd High Compression Ring Company. (See Higgins, George H., assignor.)
Burger, Jacob D., New York, N. Y., and R. Hirsch, West New York, N. J., assignors to Reiss-Premier Pipe Company, Chicago, Ill. Smoking pipe. 1,555,826; Oct. 6.
Burgin, Harold O., Panguitch, Utah. Tank. 1,556,486; Oct. 6.
Burhorn, Edwin, Hoboken, N. J. Cooling tower. 1,555,827; Oct. 6.
Burk, Harry F., and G. W. Gustafson, Burlington, Iowa. Moving-picture machine. 1,555,828; Oct. 6.
Burke, Paul, assignor to Northwest Engineering Company, Green Bay, Wis. Drag-line excavator. 1,555,906; Oct. 6.
Burke, Paul, assignor to Northwest Engineering Company, Green Bay, Wis. Regenerative drag-line excavator. 1,555,907; Oct. 6.
Burkhart, Paul H., Henry, Ill. Apparatus for measuring power for electrical circuits. 1,555,908; Oct. 6.
Burrell, William C., Kankakee, Ill., assignor to The General Fireproofing Company, Youngstown, Ohio. Joist bridging. Re16,188; Oct. 6.
Burson Knitting Company. (See Parker, William S., assignor.)
Burton, Orry S., Pensacola, Fla. Refrigerator. 1,556,487; Oct. 6.
Busemann, Adolf, Brunswick, Germany. Apparatus for determining the torsional oscillatory strength of materials for engineering. 1,556,201; Oct. 6.
Bush, Charles S., assignor to Dearborn Equipment Company, Kalamazoo, Mich. Attachment for tractors. 1,556,073; Oct. 6.
Byrne, John F., assignor to Standard Paper Company, Kalamazoo, Mich. Display box. 1,556,074; Oct. 6.
Cadienx, Iva, Long Beach, Calif. Combination garment. 1,556,075; Oct. 6.
Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Retarding the deterioration of rubber and similar materials and products obtained thereby. 1,556,415; Oct. 6.
Caldwell, Lyle, Lompoc, assignor to The Celite Company, Los Angeles, Calif. Insulating cement or mortar. 1,556,488; Oct. 6.
California Almond Growers Exchange. (See Bailey, David R., assignor.)
Cameron, Harry S. (See Abercrombie, J. S., and Cameron.)
Candee, L., & Company. (See Clements, Eugene E., assignor.)
Caprotti, Arturo, Milan, Italy. Valve gear for elastic-fluid engines. 1,555,941; Oct. 6.
Carbone, Domenico, Milan, Italy. Preparing cultures of bacillus felsineus. 1,556,489; Oct. 6.
Carpenter, Edward W., Bridgeport, Conn. Loose-leaf binder. 1,556,416; Oct. 6.
Carroll, Monroe W., Beaumont, Tex. Attachment for internal-combustion motors. 1,556,417; Oct. 6.
Carroll, William J., West Haven, assignor to Sargent & Company, New Haven, Conn. Lock. 1,555,829; Oct. 6.
Carroll, William J., West Haven, assignor to Sargent & Company, New Haven, Conn. Lock. 1,555,830; Oct. 6.
Carson, Oswald B., Brooklyn, assignor to American Hard Rubber Company, Hempstead, N. Y. Radiodial. Des. 68,371; Oct. 6.
Carson, Thurman A., Jennings, Okla. Game. 1,555,909; Oct. 6.
Carter, Moscow B., Franklin, Tenn. Hypodermic-syringe protector. 1,556,418; Oct. 6.
Cartzdafner, Roy E., Passaic, N. J. Bolster construction. 1,555,942; Oct. 6.
Case, Arthur F., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Safety stop for traveling structures. 1,555,831; Oct. 6.
Ceci, Vincent, assignor to Schmidt-Dauber Co., Inc., New York, N. Y. Illuminating means for player pianos and the like. 1,556,419; Oct. 6.
Celite Company, The. (See Caldwell, Lyle, assignor.)
Chain Belt Company. (See Roddy, Gustav R., assignor.)
Chadwick, Verner R., London, England. Furnace. 1,556,284; Oct. 6.
Chambers, Arnett B., Waterloo, Iowa. Steering-wheel toy. 1,556,076; Oct. 6.
Chandler, Edward M., New Kensington, Pa. Attachment for utensils and making same. 1,556,420; Oct. 6.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Drilling mechanism. 1,555,832; Oct. 6.
Chapman, Arthur W., and F. G. L. Biddlecombe, London, England. Movable seat for vehicles and the like. Re16,180; Oct. 6.
Chayes, Herman E. S., assignor to Chayes System Laboratories Inc., New York, N. Y. Tool for distending or dilating dental anchoring devices. 1,556,421; Oct. 6.
Chayes System Laboratories Inc. (See Chayes, Herman E. S., assignor.)
Cheatham Electric Switching Device Co. (See Stolp, Samuel S., assignor.)
Chester, Frank R., Asbury Park, N. J. Coin detector. 1,555,910; Oct. 6.
Chicago-Cleveland Car Roofing Company. (See Bernbaum, John W., assignor.)
Chicago Surgical & Electrical Company. (See Lidberg, Tiodolf, assignor.)
Chick, Martin, Tire Hill, Pa. Bumper. 1,556,490; Oct. 6.
Chrabkow, John B., Cincinnati, Ohio. Spring support. 1,556,285; Oct. 6.
Christiansen, Olaf J. (See Pritchett, W. H., and Christiansen.)
Christenson, George, North Plainfield, N. J., assignor to Johns-Manville, Incorporated. Molding reenforced packing rings. 1,556,422; Oct. 6.
Christie, Charles H. (See Troutman, F. E., and Christie.)
Chruden, Robert J., Duluth, Minn. Trunk lock. 1,556,000; Oct. 6.
Clancy, John C., New York, N. Y. Fixing nitrogen. 1,556,202; Oct. 6.
Clapp, Ray A., Los Angeles, Calif., assignor of one-half to R. D. Pearson. Combination railway car. 1,556,077; Oct. 6.
Clarage, Harry R., Kalamazoo, Mich. Exhaust fan. 1,556,203; Oct. 6.
Clark, Allan, Seattle, Wash. Electric steam radiator. 1,556,491; Oct. 6.
Clarke, Allen W., Jeffersonville, Ind., assignor to American Car and Foundry Company, New York, N. Y. Car ventilatorfl 1,555,943; Oct. 6.
Clayton, George E., Compton, Calif. Turntable. 1,556,556; Oct. 6.
Clements, Eugene E., assignor to L. Candee & Company, New Haven, Conn. Machine for preparing coated strips. 1,556,423; Oct. 6.
Cleveland Electric Tramrail Co., The. (See Wehr, William G., assignor.)
Clymer, Charles L., St. Louis, Mo. Can-loading machine. 1,556,078; Oct. 6.
Cobb, Alfred L., Long Beach, Calif. Truss pad. 1,556,079; Oct. 6.
Cochrane Corporation. (See Gibson, George H., assignor.)
Cochrane Corporation. (See Rohlin, Victor A., assignor.)
Cochrane, Victor H., Tulsa, Okla. Dam construction. 1,556,080; Oct. 6.
Cockrell, John H., Shevlin, Minn. Oil-can operator. 1,555,911; Oct. 6.
Cody, Daniel E., League City, Tex. Light shield. 1,556,081; Oct. 6.
Cohen, Abraham M., New York, N. Y. Combined door hinge and check. 1,556,204; Oct. 6.
Coleman, George B., assignor to Majik Electric Appliance Company, San Francisco, Calif. Portable generating set. 1,556,492; Oct. 6.
Coleman, John. (See Leverich, Wesley, assignor.)
Collins, William B., Ben Avon Borough, Pa. Roll-paper-dispensing apparatus. 1,556,205; Oct. 6.
Columbia Phonograph Company. (See Webster, Benjamin C., assignor.)
Combination Machine Company. (See Peterson, J., and Thom, assignors.)
Comment, Paul, and D. Hatt, assignors to Fabriques de Produits Chimiques de Thann et de Mulhouse, Thann, Haut-Rhin, France. Manufacture of cyanides and their derivatives from the alkali-earth-metal cyanamides. 1,555,944; Oct. 6.
Commercial Solvents Corporation. (See Bogin, Charles, assignor.)
Congable, Henry F., Oakland, Calif. Orchard heater. 1,556,144; Oct. 6.
Conill, Fernan O. (See Karge, M. R., and Conill.)
Connecticut Electric Manufacturing Company, The. (See Both, Tonjes A., assignor.)
Conradt, Thomas R., Lometa, Tex. Simplex tractor plow. 1,555,833; Oct. 6.
Conway, Weyman, Jacksonville, Fla. Exercising device. 1,556,493; Oct. 6.

Cook, Frank B., Chicago, Ill. Nutcracker. 1,556,424; Oct. 6.
Coolidge, Joseph R., 3d, Brookline, assignor to Montan, Inc., Boston, Mass. Impregnated wood and process of treating wood. 1,556,570; Oct. 6.
Coombes, Warren E., Boston, Mass., and C. D. Turner, Manchester, N. H., assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe rack. 1,556,425; Oct. 6.
Coop, William L., Detroit, Mich., assignors, by mesne assignments, to Brighton Manufacturing Company. Filter. 1,556,426; Oct. 6.
Cooper, Godfrey S., Vankleek Hill, Ontario, Canada. Rifle cleaner. 1,556,494; Oct. 6.
Corbin, B. A., & Son Company. (See Albee, William H., assignor.)
Corkern, Ripley G. (See Moore, Joseph W., assignor.)
Coughlin, William J. (See Walsh, Andrew A., assignor.)
Coughtry, William R., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y. Clutch construction having toothed fiber disks. 1,556,427; Oct. 6.
Cox, Andrew B., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Chain grate. 1,556,834; Oct. 6.
Craig, James A., New Orleans, La., assignor, by mesne assignments, of one-half to A. T. McCurdie, Hattiesburg, Miss. Lumber drier. 1,555,835; Oct. 6.
Crockett, Thomas E., Kansas City, Mo. Automatic pressure-control valve. 1,556,310; Oct. 6.
Crooks-Dittmar Company, The. (See Dittmar, Elmer C., assignor.)
Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
Cunningham, Wintford P., Tulsa, Okla. Safety C link. 1,556,428; Oct. 6.
Cuno, Charles H., and F. L. Wood, assignors to The Cuno Engineering Corporation, Meriden, Conn. Cigar lighter. 1,556,082; Oct. 6.
Cuno Engineering Corporation, The. (See Cuno, C. H., and Wood, assignors.)
Curtiss Aeroplane & Motor Co. (See Ray, W. A., and Beisel, assignors.)
Cutler-Hammer Mfg. Co., The. (See Stoekle, Erwin R., assignor.)
Cuttle, Francis, and H. E. De Nyse, Riverside, Calif. Pole support. 1,555,945; Oct. 6.
Daman, Arthur C., Denver, Colo. Flotation machine. 1,556,083; Oct. 6.
Daman, Arthur C., Denver, Colo. Ore classifier. 1,556,084; Oct. 6.
Danks, Alfred C., Cleveland, Ohio, assignor to The Ashmead Danks Company. Soot blower. 1,556,495; Oct. 6.
Darco Corporation. (See Allen, Victor S., assignor.)
Daubenspeck, Henry C. (See Winder, S. E., and Daubenspeck.)
Dauchy Iron Works. (See Becker, Axel, assignor.)
Davidson, John, jr., Trenton, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 1,556,311; Oct. 6.
Davis, Charles L., Santa Barbara, Calif. Spine-treating apparatus. 1,556,496; Oct. 6.
Davis, Hazel A., Camden, Ark. Auxiliary handle for sadirons. 1,556,568; Oct. 6.
Davis, Joseph R., assignor to Rex Manufacturing Company, Clarksburg, W. Va. Piston ring. 1,556,312; Oct. 6.
Davis, Thomas R., Fairfield, Conn. Producing cast metal wheels. 1,556,429; Oct. 6.
Davis, William R., Wallace, Idaho. Toy pistol. 1,555,912; Oct. 6.
Davy, Frank J., and J. T. Nemacheck, La Crosse, Wis. Post topper. 1,556,430; Oct. 6.
Dearborn Equipment Company. (See Bush, Charles S., assignor.)
Debis, John C., et al. (See Ebert, Joseph, assignor.)
Deike, Ulric C., Washington, D. C. Tee device. 1,555,946; Oct. 6.
Deloison, Fernand, and J. Deyon, Lomme, France. Brake shoe with distant electromagnetic control. 1,556,500; Oct. 6.
Denning, Ansel C., deceased, Johnson City; Workers Trust Company, administrator, assignor to Endicott Johnson Corporation, Endicott, N. Y. Floor and making the same. 1,555,913; Oct. 6.
Denning, Ansel C., deceased, Johnson City; Workers Trust Company, administrator, assignor to Endicott Johnson Corporation, Endicott, N. Y. Floor and laying floor. 1,555,914; Oct. 6.
De Nyse, Henry E. (See Cuttle, F., and De Nyse.)
De Paemelaere, Arthur, Gardena, Calif. Pathfinder. 1,556,557; Oct. 6.
De Pew, Henry H., Des Moines, Iowa. Surgical instrument. 1,556,085; Oct. 6.
Deutsch, Hermann, Berlin-Lichterfelde, Germany. Recording device. 1,556,499; Oct. 6.
De Vains, Antoine R., Miribel, France. Manufacture of cellulose. 1,556,497; Oct. 6.
De Vains, Antoine R., Miribel, France. Process and apparatus for the continuous chlorination of cellulosic materials by means of chlorine water. 1,556,498; Oct. 6.
Dewey, Josiah A., Oakland, Calif. Davenport. 1,556,086; Oct. 6.
De Ybarrondo, Vincent C., Los Angeles, Calif. Device for treating motion-picture films. 1,555,957; Oct. 6.
Deyon, Joseph. (See Deloison, F., and Deyon.)
Diamond Chain and Manufacturing Company. (See Bartlett, George M., assignor.)
Dickey, Roy N., Seattle, Wash., assignor to Meets-a-Need Manufacturing Co. Detachable can spout and opener. 1,556,206; Oct. 6.
Dierker, Henry, Glenfield, Pa. Corner lock for metal beds. 1,555,836; Oct. 6.
Dittmar, Elmer C., assignor to The Crooks-Dittmar Company, Williamsport, Pa. Machine for finishing flooring. 1,556,087; Oct. 6.
Ditz, William, Saginaw, Mich. Cigar-box cover. 1,556,501; Oct. 6.
Dobbelstein, Otto, Essen, and H. Hess, Duisburg, Germany. Annular kiln for drying as well as for carbonizing solid carbonaceous or the like materials. 1,556,571; Oct. 6.
Dobbins, Edward J., St. Marylebone, assignor to W. J. Stewart, London, England. Advertising apparatus. 1,554,511; Oct. 6.
Dodd, John H., Los Angeles, Calif. Combined spacing and tie bar for concrete forms. 1,556,313; Oct. 6.
Doerr Manufacturing Company. (See Roedding, Gordon E., assignor.)
D'Orio, Julius, Highgrove, Calif. Game. 1,556,314; Oct. 6.
Doucett, Lillian, San Diego, Calif. Safety device for aeroplanes. 1,556,502; Oct. 6.
Dougherty, Sydney J., Montreal, Quebec, Canada. Live-stock-tagging device. 1,556,088; Oct. 6.
Draper, Clare H., and J. Northrop, Hopedale, assignors to Hopedale Manufacturing Company, Milford, Mass. Shuttle-box tension-controlling mechanism for looms. 1,556,207; Oct. 6.
Drennan, Thomas, Croton, Ontario, Canada. Rotary engine. 1,556,315; Oct. 6.
Dressler, Conrad, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Salt glazing and kiln for same. 1,556,208; Oct. 6.
Dressler, Philip d'H., assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio. Handling material in annealing. 1,556,209; Oct. 6.
Dudley, Howard M., Philadelphia, Pa., assignor, by mesne assignments, to The Fifth Avenue Bank of New York, New York, N. Y. Apparatus for dyeing, scouring, or otherwise treating yarn and other fibers in the hank or skein. 1,555,837; Oct. 6.
Dunham, Ralph H., Jersey City, N. J. Tire support. 1,556,503; Oct. 6.
Dunlop Tire and Rubber Corporation of America. (See Young, H. C., and Macbeth, assignors.)
Durater Corporation. (See Stoddard, William O., jr., assignor.)
Dürr, Ludwig, assignor to the Firm Luftschiffbau Zeppelin, Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Airship. 1,556,210; Oct. 6.
Dyer, Yulee A., Birmingham, Ala. Reducing oxide ores to metallic state. 1,556,316; Oct. 6.
Dyson, Edward T., Oakland, Calif. Lug box. 1,556,145; Oct. 6.
Eagle Lock Co., The. (See Murphy, James J., assignor.)
Eaton, George R., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,555,838; Oct. 6.
Eberman, George T., Meadville, Pa., assignor to E. P. Smith, Springfield, Ill. Retaining-valve anchor. 1,556,431; Oct. 6.
Ebert, Joseph, Hillside, assignor of one-third to J. C. Dehls, Newark, and one-third to L. Stein, East Orange, N. J. Making isobornyl esters. 1,555,947; Oct. 6.
Ecke, William R., Emsworth, assignor to James H. Matthews & Company, Pittsburgh, Pa. Embossing and shearing machine. 1,556,089; Oct. 6.
Eclipse Machine Company. (See Richards, Julius H., assignor.)
Eclipse Machine Company. (See Van Ness, Henry E., assignor.)
Economy Fuse & Manufacturing Company. See Hoskins, William, assignor.)
Edgerton, Israel V., Oak Park, Ill. Tail-light faceplate. Des. 68,372; Oct. 6.
Edwards, Isaac J., Vancouver, British Columbia, Canada. Child's vehicle. 1,556,090; Oct. 6.
Edwards, Thomas, Vancouver, British Columbia, Canada. Draft excluder. 1,556,091; Oct. 6.
Ehrlich, Albert H., St. Joseph, Mo. Refrigerator display counter. 1,556,092; Oct. 6.
Elgin American Manufacturing Co. (See Lester, William H., assignor.)
Elliott, Thaddious V., New Brunswick, N. J. Anti-skidding device. 1,556,504; Oct. 6.
Ellis, Ridsdale, Oak Park, Ill. Separating process. 1,555,915; Oct. 6.
Embrey, Laurence, Blurton, England. Dough-dividing machine. 1,556,317; Oct. 6.
Endicott Johnson Corporation. (See Denning, Ansel C., assignor.)
Endicott-Johnson Corporation. (See Johnson, Charles F., assignor.)
Engel, Abraham, New York, N. Y. Mixing faucet. 1,555,948; Oct. 6.
Englerth, Albert H., Ambler, Pa. Coal-bagging machine. 1,556,505; Oct. 6.





Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Frequency-translating system. 1,555,916; Oct. 6.
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. High-frequency multiplex signaling system. 1,556,319; Oct. 6.
Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. High-frequency multiplex signaling system. 1,556,320; Oct. 6.
Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. High-frequency multiplex signaling system. 1,556,321; Oct. 6.
Espenschied, Lloyd, Hollis, and H. A. Affel, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. High-frequency multiplex signaling system. 1,556,318; Oct. 6.
Essmann, Harvey E. (See Warren, R. P., Essmann, and Nitchman.)
Exton, Alfred H., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Tumbler for endless-chain machines. 1,555,949; Oct. 6.
Fabriques De Produits Chimiques De Thann et De Mulhouse. (See Comment, P., and Hatt, assignors.)
Fair, George A., Detroit, Mich. Wardrobe bed. 1,556,331; Oct. 6.
Faries Manufacturing Company. (See Bowen, Michael B., assignor.)
Farr Alpaca Company. (See Alderman, Eugene R., assignor.)
Farrell Foundry & Machine Company. (See Bowen, D. R., and Schnuck, assignors.)
Farrington, Virgil L., and E. T. Alderman, Nevada, Iowa. Cementing and coating composition. 1,556,512; Oct. 6.
Fauteux, Henry A., Ottawa, Ontario, Canada. Wall-paper roll. 1,555,950; Oct. 6.
Favre, George C., assignor to American Optical Company, Southbridge, Mass. Floating stone. 1,556,322; Oct. 6.
Fay, Thomas J., Brooklyn, N. Y. Vehicle suspension and stabilizer. 1,556,211; Oct. 6.
Federal Manufacturing Company. (See Olinger, Thomas, assignor.)
Fee, Albert E., Killam, Alberta, Canada. Oil can. 1,556,513; Oct. 6.
Feldman, Morris E., New York, N. Y. Holder. 1,556,514; Oct. 6.
Fell, John M., Hackensack, N. J., assignor to American Telephone and Telegraph Company. Telegraphy. 1,555,917; Oct. 6.
Fifth Avenue Bank of New York, The. (See Dudley, Howard M., assignor.)
Filacanevo, Anton, Newark, N. J. Submergible floating toy. 1,556,093; Oct. 6.
Firestone Steel Products Company, The. (See Swain, J. G., and Pade, assignors.)
Fishelov, Irving H., Chicago, Ill. Holder for miniature loud speakers. 1,556,010; Oct. 6.
Fisher, John F., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Wheel pit. 1,556,011; Oct. 6.
Fisk Rubber Company, The. (See Marquette, Melvon A., assignor.)
Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)
Fleming, Robert B., St. Catharines, Ontario, Canada. Scissors-sharpening machine. 1,556,432; Oct. 6.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Back-up slip. 1,556,094; Oct. 6.
Fleitner, Anton, Berlin, Germany. Propeller. 1,556,012; Oct. 6.
Florence Stove Company. (See White, Fred E., assignor.)
Foley, Charles B., Bristol, Conn., assignor to C. B. Foley, Inc., New York, N. Y. Electric furnace. 1,556,212; Oct. 6.
Foley, Charles B., Inc. (See Foley, Charles B., assignor.)
Folkel, Robert, Herrin, Ill. Stove cleaner. 1,556,433; Oct. 6.
Ford, Albert M., Geneva, Ohio, assignor to The Geneva Metal Wheel Company. Metal wheel and making same. 1,555,958; Oct. 6.
Fowler, Charles A., Salt Lake City, Utah. Safe lock. 1,556,434; Oct. 6.
Fox, Ansley H., assignor, by mesne assignments, to Fox Holding Company, Philadelphia, Pa. Internal-combustion engine. 1,556,506; Oct. 6.
Fox Holding Company. (See Fox, Ansley H., assignor.)
Franklin Simon & Company. (See Siegel, Maude, assignor.)
French, Henry E., New York, N. Y. Coupon. 1,556,515; Oct. 6.
Fresnau André A., Aubervilliers, France. Light alloy and manufacture of same. 1,555,959; Oct. 6.
Fries, Robert C., and J. J. Jones, assignors to The Surgeon's Specialty Company, Cincinnati, Ohio. Bed caster and the like. 1,555,839; Oct. 6.
Friesen, Cornelius K., Steinbach, Manitoba, Canada. Artesian-well tool. 1,555,918; Oct. 6.
Frouse, Jacob F., et al. (See Penner, Aron L., assignor.)
Frouse, John F., et al. (See Penner, Aron L., assignor.)
Frustaglio, Frank. (See Ricard, Alphonse T., assignor.)
Fuller, Clarence W., Yonkers, N. Y. Sanitary protector. 1,555,960; Oct. 6.
Galetti, Eugene, W. (See Keefer, B. C., jr., and Galetti.)
Gans, Otto, Waltershausen, Germany. Swivel joint for dolls. 1,556,095; Oct. 6.
Garay, y Silva, Jorge, Mexico, Mexico. Loading device for firearms. 1,556,255; Oct. 6.
Garrett, Earl V., Tamaqua, Pa. Ice-cream cabinet. 1,556,516; Oct. 6.
Garrow, Theodore A., Los Angeles, Calif. Combination drier. 1,556,096; Oct. 6.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drill-sharpening mechanism. 1,556,213; Oct. 6.
Garza, Pablo G., San Antonio, Tex. Mill disk. 1,556,323; Oct. 6.
Gedney, Stanley L., Maplewood, N. J. Collar supporter. 1,556,517; Oct. 6.
Geier, P. A., Company, The. (See Krueger, Elmer R., assignor.)
General Electric Company. (See Gosling, Joseph W., assignor.)
General Fireproofing Company. (See Burrell, William C., assignor.)
Geneva Metal Wheel Company, The. (See Ford, Albert M., assignor.)
George, Jerome R., and J. W. Sheperdson, assignors to Morgan Construction Company, Worcester, Mass. Rolling mill. 1,555,919; Oct. 6.
Gerrish, Oliver, Benicia, assignor to Kullman, Salz & Co., San Francisco, Calif. Hide-protector attachment for fleshing machines. 1,556,214; Oct. 6.
Gersman, Harvey M., assignor to Kalman Steel Co., Chicago, Ill. All-metal system for concrete molding. 1,556,097; Oct. 6.
Gesellschaft für Drahtlose Telegraphie m. b. H. Halesches. (See Schriever, Otto, assignor.)
Gibson, George H., Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa. Water deaeration. 1,556,098; Oct. 6.
Gillette, Mott G., Garden City, N. Y. Safety razor. 1,555,961; Oct. 6.
Gillette, Mott G., Garden City, N. Y. Safety razor. 1,555,962; Oct. 6.
Gillies, James, Fort Scott, Kans. Pen-filling device. 1,556,518; Oct. 6.
Gilson, James J., Philadelphia, Pa. Cover for semisolid balls. 1,556,099; Oct. 6.
Giordani, Francesco. (See Pomillo, U., and Giordani.)
Girton, Cameron, Berkeley, Calif. Adjusting device for typewriters. 1,556,215; Oct. 6.
Globe Ticket Company. (See Hubard, Archibald B., assignor.)
Golden, Charles E. (See Anderson, Edward V., assignor.)
Goldsmith, William M., Cincinnati, Ohio. Making domes for plastic construction. 1,556,324; Oct. 6.
Goluses, Gust D. (See Manias, James, assignor.)
Gondolf, Nicholas J., New Orleans, La. Flushing tank. 1,556,100; Oct. 6.
Goodhart, Gavin C., Inkpen, England. Differential gearing. 1,556,101; Oct. 6.
Goodman Bros. (See Becker, Julius H., assignor.)
Goodrich, B. F., Company, The. (See Ambler, R. R., and Rohrbacher, assignors.)
Gorayeb, Assad S., New York, N. Y. Portable antenna. 1,556,435; Oct. 6.
Gorayeb, Assad S., New York, N. Y. Adjustable window screen. 1,556,436; Oct. 6.
Gordon, David D., Chicago, Ill., assignor to McGill Manufacturing Company, Valparaiso, Ind. Electric switch. 1,556,102; Oct. 6.
Gore, Harry S., Midwest, Wyo. Grapple. 1,556,103; Oct. 6.
Gorman, John I., assignor to The Midland Bank, trustee, Cleveland, Ohio. Check valve. 1,556,332; Oct. 6.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lighting fixture. Des. 68,373; Oct. 6.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lighting fixture. Des. 68,374; Oct. 6.
Gourley, William J. (See Barney, F. H., and Gourley.)
Gower, Francis W., Moseley, Birmingham, H. J. Owen, Birchfields, Birmingham, and R. J. Nash, Cannon Hill, Birmingham, England. Metallic racket. 1,556,558; Oct. 6.
Granger, George G., Moosup, Conn. Dispensing device. 1,556,437; Oct. 6.
Grays Harbor Iron & Machine Works. (See Weber, Frederick J., assignor.)
Green Engineering Company. (See Poppenhusen, Herman A., assignor.)
Greenidge, Samuel M., Washington, D. C. Automatic mechanism for raising liquids. 1,555,963; Oct. 6.
Gregg, James R. W., Medford, Oreg. Metallic piston ring. 1,556,104; Oct. 6.
Griffith, Graves, San Francisco, Calif. Photographic and projecting instrument. 1,556,216; Oct. 6.
Griffith, Lewis O. (See Miller, Albert M., assignor.)
Grimes, David, Inc. (See Waterson, Henry, assignor.)
Gronauer, Ike, assignor to Memphis Paper Company, Memphis, Tenn. Garment separator. 1,556,507; Oct. 6.
Grossman, Samuel, assignor to D. Klebanoff and S. Grossman, New York, N. Y. Finger ring. Des. 68,375; Oct. 6.

Grossman, Samuel, assignor to D. Klebanoff and S. Grossman, New York, N. Y. Finger ring. Des. 68,376; Oct. 6.

Grossman, Samuel, et al. (See Grossman, Samuel, assignor.)

Grossman, Samuel, et al. (See Kaufman, Sol, assignor.)

Grumpelt, Oskar F. A. E., Hamburg, Germany. Cutting metals by the aid of an electric current fed to a rotating cutting disk. 1,556,325; Oct. 6.

Guedel, Louis A., assignor to Hetherington and Berner, Indianapolis, Ind. Blade for asphalt and the like mixers. 1,555,964; Oct. 6.

Guinn, Samuel E., Johnson City, Tenn. Combined desk lamp, cigar lighter, and inkstand. Des. 68,377; Oct. 6.

Gumbs, George O., Rockville Center, N. Y. Safety chest. 1,556,519; Oct. 6.

Gustafson, Gustaf W. (See Burk, H. F., and Gustafson.)

H. & H. Calculating Corporation. (See Hunau, A., and Hammalian, assignors.)

Hajek, Otto, and E. Blauhorn, Vienna, Austria. Lubricating-oil pump. 1,556,479; Oct. 6.

Hake, William C., St. Louis, Mo. Rubbing-out machine. 1,555,965; Oct. 6.

Hall, Akos J., Cleveland, Ohio. Animal trap. 1,555,966; Oct. 6.

Hall-Welter Co., Inc. (See Welter, Herman C., assignor.)

Halladay, L. P., Company. (See Halladay, Lewis P., assignor.)

Halladay, Lewis P., assignor to L. P. Halladay Company, Decatur, Ill. Fender guard. 1,555,920; Oct. 6.

Hamilton, Arthur L., Bellaire, Tex. Ornament. 1,556,106; Oct. 6.

Hamilton, Wilber E., Seattle, Wash. Movable secondary ray diaphragm. 1,556,217; Oct. 6.

Hamilton, William R., Los Angeles, Calif. Portable drilling rig. 1,556,107; Oct. 6.

Hammalian, Paul. (See Hunau, A., and Hammalian.)

Hammermeister, Otto. (See Moecker, H., jr., Hammermeister, and Thompson.)

Hammond, John H., jr., Gloucester, Mass. System for control of moving bodies by radiant energy. Re16,181; Oct. 6.

Hampden Glazed Paper & Card Company. (See Marwede, Richard L., assignor.)

Hanley, John A., Irvington, N. J. Flexible band or belt and the production thereof. 1,555,840; Oct. 6.

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Slip-drum hoist. 1,555,967; Oct. 6.

Hansen, Gustav A., Christiania, Norway. Machine for marking or canceling mail matters. 1,556,218; Oct. 6.

Hanson, Gustave, and C. A. Nelson, East Berlin, Conn., assignors to Lancaster Iron Works, Lancaster, Pa. Conveying apparatus. 1,556,438; Oct. 6.

Hanson, Richard G., Stafford, England. Wave transmission of power. 1,556,439; Oct. 6.

Hansson, Soren, assignor to J. H. Allman, trustee, Butler, Pa. Forged drawbar yoke. 1,556,219; Oct. 6.

Hansson, Soren, assignor of one-half to H. T. Anderson, Butler, Pa. Brake rigging. 1,555,968; Oct. 6.

Harbert, Victor H., assignor to E. P. Smith, Springfield, Ill. Brake-pin retainer. 1,556,108; Oct. 6.

Harman, Arthur C., Delta, Iowa. Gate. 1,556,520; Oct. 6.

Harris, Alexander B. B., Chicago, Ill. Culvert pipe. 1,555,841; Oct. 6.

Harris, Carlton G., assignor of one-third to J. R. Rathburn, Denver, Colo. Lifting jack. 1,555,842; Oct. 6.

Harris, Christopher C., Bowling Green, Ky. Choke valve. 1,555,971; Oct. 6.

Harris, Moses H., New York, N. Y. Screen. Des. Re16,182; Oct. 6.

Hart, Daniel F., New York, N. Y. Furniture element for shoe fitting. 1,556,521; Oct. 6.

Hasen, George M., St. Louis, Mo. Sack-tying machine. 1,555,843; Oct. 6.

Hatch, Alexander G., Honolulu, Hawaii, assignor to W-H Keyless Lock Company, Limited. Keyless lock. 1,555,969; Oct. 6.

Hatch, Alexander G., Honolulu, Hawaii, assignor to W-H Keyless Lock Company, Limited. Casing for keyless locks. 1,555,970; Oct. 6.

Hatt, Daniel. (See Comment, P., and Hatt.)

Haubens, Henry. (See Holcomb, L. H., and Haubens.)

Hawkins, Robert D., Wilmington, N. C. End structure for railway cars. 1,555,971; Oct. 6.

Hayes, Leslie S., assignor of one-half to F. M. Vinson, Louisa, Ky. Air purifier and moistener for internal-combustion engines. 1,556,109; Oct. 6.

Hazel-Atlas Glass Company. (See Noll, John J., assignor.)

Head, Ronald. (See Baker, G. R., and Head.)

Heath, Charles S., Petoskey, Mich. Block-trimming machine. 1,556,013; Oct. 6.

Heath, Frederick, assignor to The Heath Unit Tile Company, Tacoma, Wash. Hollow-building-wall construction. 1,556,333; Oct. 6.

Heath Unit Tile Company, The. (See Heath, Frederick, assignor.)

Heidemann, Otto, and M. John, Bochum, Germany. Drop-dispersing agent. 1,555,852; Oct. 6.

Helburn Thompson Company. (See Walcott, Joseph H., assignor.)

Hellmers, Henry D., Las Vegas, Nev., assignor to West End Chemical Company, Oakland, Calif. Separating calcined colemanite from clay and other impurities. 1,556,110; Oct. 6.

Hennebohle, Frank, Chicago, Ill. Oil burner. 1,555,855; Oct. 6.

Hentzell, Charles S. and M. P., Milwaukee, Wis., assignors of nine forty-eighths to G. Hoelcher, Chicago, Ill., and nine forty-eighths to C. R. Smith, Syracuse, Ind. Plow. 1,556,508; Oct. 6.

Hentzell, Millard P. (See Hentzell, Charles S. and M. P.)

Hercules Novelty Mfg. Co. (See Wendel, Frans B., assignor.)

Herr, Edward A., Philadelphia, Pa. Expansion joint for composition flooring. 1,555,844; Oct. 6.

Herskovitz, Max, assignor to Peerless Light Company, Chicago, Ill. Current-tap socket. 1,556,111; Oct. 6.

Hervig, Richard, Chicago, Ill., assignor to American Car and Foundry Company, St. Louis, Mo. Drill-straightening device. 1,555,972; Oct. 6.

Herzberg, Wilhelm, Berlin-Wilmersdorf, and G. Hoppe, Berlin-Treptow, assignors to Actien-Gesellschaft für Anilin Fabrikation, Berlin, Germany. Manufacturing dyes. 1,556,326; Oct. 6.

Hess, Hermann. (See Dobbelstein, O., and Hess.)

Hetherington and Berner. (See Guedel, Louis A., assignor.)

Heywood-Wakefield Company. (See Larsen, Lewis, assignor.)

Hibbard, Robert L., Bellevue, Pa. Press for making insulators and the like. 1,556,440; Oct. 6.

Higgins, George H., assignor to Burd High Compression Ring Company, Rockford, Ill. Grooving piston rings and the like. 1,555,853; Oct. 6.

Hill, Bert E., assignor to Allied Packers, Incorporated, Chicago, Ill. Apparatus and process for dehairing animal carcasses. 1,556,112; Oct. 6.

Hill, Glen R., Ramer, Ala. Bushing. 1,555,854; Oct. 6.

Hill, Guy (See Steinberger, L., and Hill.)

Hill, Richard D., Wichita Falls, assignor to E. B. Zittel, Burkburnett, Tex. Wrench for pipe and tool joints. 1,556,220; Oct. 6.

Hindahl, David, assignor to Rodger Ballast Car Company, Chicago, Ill. Car construction. 1,555,845; Oct. 6.

Hirsch, Rudolph. (See Burger, J. D., and Hirsch.)

Hochreiner, Leopold, New York, N. Y. Safety pin. 1,556,509; Oct. 6.

Hodgkins, Edward F., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Moistening apparatus. 1,555,846; Oct. 6.

Hoehnen, John C., Bushnell, Ill. Trough. 1,556,334; Oct. 6.

Hoelcher, George, et al. (See Hentzell, Charles S. and M. P., assignors.)

Hoepfner, Karl, Detroit, Mich. Machine tool. 1,556,146; Oct. 6.

Hofstede, Jacob, Lomita, Calif. Pan and plate lifter. 1,556,118; Oct. 6.

Hoge, Smith A., Rices Landing, Pa. Manicure device. 1,555,973; Oct. 6.

Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Escapement mechanism for typewriters. 1,556,441; Oct. 6.

Holcomb, Lambert H., and H. Haubens, Omaha, Nebr. Flush valve. 1,556,442; Oct. 6.

Hollingsworth, Marion W., Terre Haute, Ind., assignor to American Car and Foundry Company, New York, N. Y. Journal-box assembly. 1,555,974; Oct. 6.

Hollnagel, Theodore C., Milwaukee, Wis. Beet topper. 1,556,335; Oct. 6.

Hopedale Manufacturing Company. (See Draper, C. H., and Northrop, assignors.)

Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)

Hopkins, James H., assignor, by mesne assignments, to Vapor Lubricant Company, Los Angeles, Calif. Vaporizing device. 1,556,114; Oct. 6.

Hoppe, Gerhard. (See Herzberg, W., and Hoppe.)

Hoskins, William, assignor to Economy Fuse & Manufacturing Company, Chicago, Ill. Plastic. 1,556,115; Oct. 6.

Houghton, E. F., & Company. (See Pressell, George W., assignor.)

Hubard, Archibald B., Ogontz, assignor to Globe Ticket Company, Philadelphia, Pa. Strip-feeding mechanism. 1,555,975; Oct. 6.

Hudgins, Patrick L., Decatur, Ga. Cleat. 1,556,522; Oct. 6.

Hudson, Sidney G., Detroit, Mich. Scaffolding clamp. 1,555,847; Oct. 6.

Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for treating oil. 1,555,976; Oct. 6.

Hughes, Albert G., New York, N. Y. Wrench. 1,556,523; Oct. 6.

Hughes, Leo P., Cleveland, Ohio. Automobile block. 1,556,327; Oct. 6.

Hughes Tool Company. (See Fletcher, Harold W., assignor.)

Hulbert, Edwin F., Milwaukee, assignor to The Master Package Corporation, Owen, Wis. Press. 1,559,977; Oct. 6.





Hunau, Adolph, and P. Hammalian, assignors to H. & H. Calculating Corporation, New York, N. Y. Roulette toy. 1,555,848; Oct. 6.

Hunt, Andrew M., assignor to American Magnesium Corporation, Niagara Falls, N. Y. Metal stock. 1,555,978; Oct. 6.

Hunter, William C., and F. W. Sims, Southampton, England. Doll's eyes. 1,555,979; Oct. 6.

Hutchins, Edward, New York, N. Y., assignor to International Paper Company. Water gate. 1,556,328; Oct. 6.

Hyman, Henry, & Co. (See Norden, Charles F., assignor.)

Indestructo Trunk Company, The. (See Lindenberg, Carl R., assignor.)

Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)

Ingram, Harry, Brooklyn, N. Y. Pressure-control system for sterilizing and processing apparatus. 1,555,849; Oct. 6.

Ingram, Harry, Brooklyn, N. Y. Pressure-control system for sterilizing and processing apparatus. 1,555,850; Oct. 6.

International Paper Company. (See Hutchins, Edward, assignor.)

Jackson, William L., Chicago, Ill. Safety gas cock. 1,556,443; Oct. 6.

Jewett, Arthur C., assignor to Winchester Repeating Arms Company, New Haven, Conn. Covering dry-cell cartridges and the like. 1,555,856; Oct. 6.

John, Max. (See Heidemann, O., and John.)

Johns-Manville, Incorporated. (See Christenson, George, assignor.)

Johnson, Allan W., Bloomfield, and H. Meeker, jr., Newark, N. J. Chord indicator for musical instruments. 1,556,147; Oct. 6.

Johnson, Carl M. (See Theuriet, L. G., and Johnson.)

Johnson, Charles F., Johnson City, assignor to Endicott-Johnson Corporation, Endicott, N. Y. Flooring and making same. 1,555,922; Oct. 6.

Johnson, F. Colt, et al, trustees. (See McConnell, Thomas, assignor.)

Johnson, George H., Tottenville, N. Y. Spelling puzzle or game. 1,555,980; Oct. 6.

Johnson, Justin B., Nahant, Mass. Amusement device. 1,555,981; Oct. 6.

Johnson, Lane, Ingram, assignor to United Engeering & Foundry Company, Pittsburgh, Pa. Valve gears for intensifier cylinders. 1,556,221; Oct. 6.

Johnson, Oliver L., et al., trustees. (See McConnell, Thomas, assignor.)

Johnson, Warren V., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,555,982; Oct. 6.

Jones, John J. (See Fries, R. G., and Jones.)

Jung, Oscar H., Milwaukee, Wis. Fuse plug. 1,556,444; Oct. 6.

Jurgens, Emil G., and H. K. Becker, assignors to Peters Machinery Company, Chicago, Ill. Carton-blank-feeding machine. 1,555,857; Oct. 6.

Kadel, Byers, W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Spring plank for railway-car trucks. 1,555,983; Oct. 6.

Kalman Steel Co. (See Geraman, Harvey M., assignor.)

Kaltwasser, Oskar, Berlin, H. Kirchhoff, Berlin-Lichtenfelde, and H. Oehrn, Charlottenburg, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. New ortho-hydroxyazo dye. 1,556,329; Oct. 6.

Karge, Maxwell R., and F. O. Conill, Phoenix, N. Y. Automatic clutch-release mechanism. 1,555,984; Oct. 6.

Kaseberg, Theodore C., Granite City, Ill., assignor to American Car and Foundry Company, New York, N. Y. Clutch and brake structure. 1,555,985; Oct. 6.

Kaufman, Harry G., New York, N. Y. Ring. Des. 68,378; Oct. 6.

Kaufman, Sol, assignor to D. Klebanoff and S. Grossman, New York, N. Y. Finger ring. Des. 68,379; Oct. 6.

Keefer, Brua C., jr., and E. W. Galetti, assignors to Brua C. Keefer Manufacturing Company, Williamsport, Pa. Tuning device. 1,555,986; Oct. 6.

Keefer, Brua C., Manufacturing Company. (See Keefer, B. C., Jr., and Galetti, assignors.)

Keeler, Harry W., New York, N. Y. Golf bag. 1,556,286; Oct. 6.

Kellogg Switchboard and Supply Company. (See Eaton, George R., assignor.)

Kibble, Emory G., and C. C. Wilson, jr., Philadelphia, Pa. Window lock. 1,556,524; Oct. 6.

Kimball, Charles E., Council Bluffs, Iowa. Brake for elevators. 1,555,987; Oct. 6.

King, Burnham W., New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Magnifier. 1,556,510; Oct. 6.

King, Burnham W., assignor to Americal Optical Company, Southbridge, Mass. Eye testing. 1,556,525; Oct. 6.

King, Warren N., Greenville, S. C., assignor to Shambow Shuttle Company, Woonsocket, R. I. Spool. 1,556,222; Oct. 6.

Kinsolving, Herschel P. (See Tomlinson, H. E., and Kinsolving.)

Kirchhoff, Hermann. (See Kaltwasser, O., Kirchhoff, and Oehrn.)

Kirsten, Frederick B. A., Mason City, Iowa. Loose-leaf binder. 1,555,858; Oct. 6.

Kiss, Aladár L., assignor of one-half to G. Molnar, Budapest, Hungary. Incubator. 1,555,988; Oct. 6.

Kisse, Konrad, Berlin, Germany. Reenforcement system for concrete structures. 1,555,989; Oct. 6.

Kjestrup, Henry E., Rangitumau, New Zealand. Milking-machine teat cup. 1,556,559; Oct. 6.

Klacznyski, John C., Chicago, Ill. Sound amplifier. 1,555,859; Oct. 6.

Klebanoff, David, et al. (See Grossman, Samuel, assignor.)

Klebanoff, David, et al. (See Kaufman, Sol, assignor.)

Klemin, Alexander. (See MacMechen, T. R., and Klemin.)

Klotz, Alfred, Munich, Germany. Valve. 1,556,224; Oct. 6.

Knott, Dorothy, Wimbledon Common, England. Sterilizer. 1,556,148; Oct. 6.

Knox, Samuel L. G., New York, N. Y. Piston for internal-combustion engines. 1,555,990; Oct. 6.

Koenig, Max G. W., assignor to Maschinenfabrik Koenig-Werk G. m. b. H., Berlin-Grunewald, Germany. Paper-feeding apparatus for printing presses, folding machines, and the like. 1,556,116; Oct. 6.

Kolenc, Florian. (See Maier, I., and Kolenc.)

Köler, Willem, jr., Haarlem, Netherlands, assignor, by mesne assignments, to Spang and Company, Butler, Pa. Drilling or fishing jar and manufacturing same. 1,555,928; Oct. 6.

Kollstede, George, Providence, R. I. Ornamental chain. 1,556,223; Oct. 6.

Konar, John, Chicago, Ill. Four-cycle gas engine. 1,555,991; Oct. 6.

Kookootsedes, John G., Sidney, Ohio. Cream-whipping apparatus. 1,556,445; Oct. 6.

Koppelman, Harold I., assignor to U. S. Sanitary Specialties Corporation, Chicago, Ill. Dispensing valve. 1,556,149; Oct. 6.

Krebs, Adolf, Boston, Mass. Metal-cutting machine. 1,555,992; Oct. 6.

Krebs, Carel G., Brooklyn, N. Y. Duplex carburetor. 1,556,526; Oct. 6.

Kreiger, Henry H., Braddock, Pa. Curtain stretcher. 1,556,527; Oct. 6.

Krell, Bernard M., New York, N. Y. Binder. 1,556,287; Oct. 6.

Krueger, Elmer R., assignor to The P. A. Geier Company, Cleveland, Ohio. Hair clipper. 1,555,924; Oct. 6.

Kuck, Henry G., Peoria, Ill. Dispensing can. 1,556,150; Oct. 6.

Kullman, Salz & Co. (See Gerrish, Oliver, assignor.)

Küng, Albert, Zurich, assignor to the Firm Werkzeugmaschinenfabrik Oerlikon, Oerlikon, Switzerland. Automatic gun. 1,556,225; Oct. 6.

Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,556,446; Oct. 6.

La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thread-handling machine. 1,556,226; Oct. 6.

Lahière, Edouard, Montreal, Quebec, Canada. Nest and egg chute. 1,556,330; Oct. 6.

Lampert, Henry H., Chicago, Ill. Support and spacer for reenforcing bars. 1,556,151; Oct. 6.

Lancaster Iron Works. (See Hanson, G., and Nelson, assignors.)

Lane, James W., et al., trustees. (See McConnell, Thomas, assignor.)

Lane, Joseph E. (See Agricola, Herman A., jr., assignor.)

Lanphere, Clive W., New York, N. Y. Lock. Des. 68,380; Oct. 6.

Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Fernery lamp. Des. 68,381; Oct. 6.

Larson, Harry W., Pingree, N. Dak. Nail-driving toy. 1,555,993; Oct. 6.

La Société le Fer. (See Boucher, Anthelme, assignor.)

Lauer, Stewart E., St. Louis, Mo., assignor to York Products Corporation, Chicago, Ill. Can-filling apparatus. 1,555,994; Oct. 6.

Leblanc, Charles L. A. M., assignor to Societe Anonyme Pour l'Exploitation des Procedes Westinghouse-Leblanc, Paris, France. Surface condenser. 1,556,117; Oct. 6.

Ledig, Richard G., assignor to A. Mecky Company, Philadelphia, Pa. Combination guard and utensil support for electric cookers or toasters. 1,556,288; Oct. 6.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Method of and apparatus for baking coatings on metallic bodies. 1,555,860; Oct. 6.

Lee, Elling, Carstairs, Alberta, Canada. Headlight. 1,555,995; Oct. 6.

Lee, Margaret E., Oakland, Calif. Spike puller. 1,556,152; Oct. 6.

Lee, Philip, St. Louis, Mo. Reenforced-concrete-floor-form carrier-supporting bracket. 1,556,118; Oct. 6.

Lehmann, John S., et al., executors. (See Barnickel, William S.)

Lehmann, Sears, et al., executors. (See Barnickel, William S.)

Lehnert, Henry W. A., Brooklyn, N. Y. Shower head. 1,556,447; Oct. 6.

Lemétais, Julien A., Paris, France. Cock for hot and cold water with a single double-acting valve. 1,556,227; Oct. 6.
Leonard, Charles F., U. S. Army. Stabilizer for two-wheel vehicles. 1,556,229; Oct. 6.
Lester, William H., assignor to Elgin American Manufacturing Co., Elgin, Ill. Vanity case. Des. 68,382; Oct. 6.
Leverich, Wesley, assignor of one-half to J. Coleman, Ferguson, Mo. Test plug. 1,555,996; Oct. 6.
Lewis Invisible Stitch Machine Company. (See Moulton, Harley C., assignor.)
Lewis, John M., Watsonville, Calif. Parcel carrier. 1,556,228; Oct. 6.
Lidberg, Tiodolf, assignor to Chicago Surgical & Electrical Company, Chicago, Ill. Telephone head set. 1,555,997; Oct. 6.
Lindenberg, Carl R., assignor to The Indestructo Trunk Company, Columbus, Ohio. Trunk. 1,556,153; Oct. 6.
Lindenberg, Carl R., assignor to The Indestructo Trunk Company, Columbus, Ohio. Wardrobe trunk. 1,556,154; Oct. 6.
Ling, Frederick, assignor to Thurston and Company Limited, London, England. Cushion for billiard and like tables. 1,556,289; Oct. 6.
Linson, Jessie, et al. (See Aspinall, Daniel, assignor.)
Lippincott, George A., Philadelphia, Pa. Lamp shade. Des. 68,383; Oct. 6.
Lisk, Lucius H., Minneapolis, Minn. Coffee-cooling machine. 1,556,230; Oct. 6.
Livermore, Homer P., Boston, Mass. Shuttle check. 1,556,231; Oct. 6.
Livingston, Clinton A., Long Beach, Calif. Changeable exhibitor. 1,555,861; Oct. 6.
Lloyd, Walter, Antigo, Wis. Road machine for snow. 1,556,448; Oct. 6.
Locke Insulator Corporation. (See Reagan, Frank H., assignor.)
Locke Steel Chain Company, The. (See Locke, Sylvanus D., assignor.)
Locke Steel Chain Company, The. (See Parker, Charles, assignor.)
Locke, Sylvanus D., assignor to The Locke Steel Chain Company, Bridgeport, Conn. Apparatus and process for making chains. 1,556,528; Oct. 6.
Lockwood, Alfred A., Merton, London, England. Treating tin ores, concentrates, tailings, or the like. 1,556,449; Oct. 6.
Logemann, John B., Meltonville, Iowa. Tractor top. 1,556,529; Oct. 6.
Loiselle, Napoleon, South Fork, Saskatchewan, Canada. Grain carrier. 1,555,998; Oct. 6.
Loveless, Charles L., Los Angeles, Calif. Method of and pattern for casting metal pipe elbows. 1,555,999; Oct. 6.
Ludwig, Louis J., Philadelphia, Pa. Heddle-disconnecting means for plush looms. 1,555,862; Oct. 6.
Ludwig, Louis J., Philadelphia, Pa. Mechanism for moving the lay and releasing the pressure on the binders. 1,555,863; Oct. 6.
Luftschiffbau Zeppelin, Gesellschaft mit beschränkter Haftung. (See Dürr, Ludwig, assignor.)
Macbeth, Colin. (See Young, H. C., and Macbeth.)
MacDougall, Charles B., Seattle, Wash. Lighting bowl. Des. 68,384; Oct. 6.
Machek, Arthur J., Milwaukee, Wis. Outboard motor. 1,556,232; Oct. 6.
MacMechen, Thomas R., and A. Klemin, New York, N. Y. Tandem multiplane. 1,556,560; Oct. 6.
Maes, Armand L. C. (See Maes, Georges L. V. and A. L. C.)
Maes, Georges L. V. and A. L. C., Paris, France. Molding machine for dental purposes. 1,556,291; Oct. 6.
Maher, Patrick J., New York, N. Y. Turbine wheel. 1,556,532; Oct. 6.
Maibohm, Harry C., Sandusky, Ohio. Combined radio loud speaker and lamp support. Des. 68,385; Oct. 6.
Maier, Ira, and F. Kolenc, New York, N. Y. Cooking stove. 1,556,337; Oct. 6.
Maise, Herman C., assignor to Briggs Manufacturing Company, Detroit, Mich. Fastener. 1,556,233; Oct. 6.
Maise, Herman C., assignor to Briggs Manufacturing Company, Detroit, Mich. Weather-strip-assembling machine. 1,556,234; Oct. 6.
Majik Electric Appliance Company. (See Coleman, George B., assignor.)
Makant, Joseph, West Haverstraw, N. Y. Combination wheel. 1,556,450; Oct. 6.
Mandel, Jacob, assignor to Wellington-Stone Company, Inc., Chicago, Ill. Lamp base. Des. 68,386; Oct. 6.
Mandel, Jacob, assignor to Wellington-Stone Company, Inc., Chicago, Ill. Lamp base. Des. 68,387; Oct. 6.
Mandel, Jacob, assignor to Wellington-Stone Company, Chicago, Ill. Lamp base. Des. 68,388; Oct. 6.
Mandel, Jacob, assignor to Wellington-Stone Company, Inc., Chicago, Ill. Lamp base. Des. 68,389; Oct. 6.
Mangold, Georg, Danzig-Langfuhr, Danzig. Cylinder cover for internal-combustion engines. 1,556,338; Oct. 6.
Manias, James, assignor of one-half to G. D. Goluses, Glens Falls, N. Y. Automatic fuse. 1,556,534; Oct. 6.
Marengo, August, P., and J., Stockton, Calif. Safety swimming belt. 1,556,339; Oct. 6.
Marengo, Joseph. (See Marengo, August, P., and J.)
Marengo, Peter. (See Marengo, August, P., and J.)
Marquette, Melvon A., assignor to The Fisk Rubbr Company, Chicopee Falls, Mass. Vulcanizing stud for tube making. 1,556,292; Oct. 6.
Marsh, John H., Manchester, England. Drag or tensioning motion. 1,556,533; Oct. 6.
Marshall, Charles J., assignor to P. B. Yates Machine Company, Beloit, Wis. Endless conveyer. 1,555,867; Oct. 6.
Martin, Archibald J. (See Phillips, N., and Martin.)
Martin, Matthew T., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Turbine valve. 1,556,293; Oct. 6.
Marwede, Richard L., New York, N. Y., assignor to Hampden Glazed Paper & Card Company. Paper. Des. 68,390; Oct. 6.
Maschinenfabrik Koenig-Werk, G. m. b. H. (See Koenig, Max G. W., assignor.)
Master Package Corporation, The. (See Hulbert, Edwin F., assignor.)
Matthews, James H., & Company. (See Ecke, William R., assignor.)
Mauck, Victor, Norristown, Pa., assignor to John Wood Manufacturing Company. Conshohocken, Pa. Container and making the same. 1,556,451; Oct. 6.
Maurer, Frans, Zug, Switzerland. Chart-recording meter. 1,555,868; Oct. 6.
Maurer, William G., Lebanon, assignor to Bethlehem Steel Company, Bethlehem, Pa. Manufacturing bolts. 1,555,925; Oct. 6.
Maury, Léon, Beglea, France. Automatic safety passenger-car-door locks. 1,556,452; Oct. 6.
Mazzanovich, Anton, Los Angeles, Calif. Theatrical counterweight system. 1,556,535; Oct. 6.
McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Discharge valve for tanks. 1,556,000; Oct. 6.
McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Lock for tank-car safety valves. 1,556,001; Oct. 6.
McBride, William J. (See Rigg, G., and McBride.)
McClary Manufacturing Company, The. (See Allen, John H., assignor.)
McClease, Ervin H., assignor of thirty-three and one-third per cent to C. S. Bailes, Long Beach, Calif. Fishing tool. 1,556,530; Oct. 6.
McConnell, Hugh, et al., trustees. (See McConnell, Thomas, assignor.)
McConnell, Thomas, assignor to F. C. Johnson, J. W. Lane, O. L. Johnson, T. McConnell, and H. McConnell, trustees, Easthampton, Mass. Polishing machine. 1,555,865; Oct. 6.
McConnell, Thomas, assignor to F. C. Johnson, J. W. Lane, O. L. Johnson, T. McConnell, and H. McConnell, trustees, Easthampton, Mass. Machine for mercerizing yarn. 1,555,864; Oct. 6.
McConnell, Thomas, et al., trustees. (See McConnell, Thomas, assignor.)
McCord Radiator & Mfg. Co. (See McCord, William W., assignor.)
McCord, William W., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Electrodepositing method and apparatus. 1,555,866; Oct. 6.
McCurdie, Alexander T. (See Craig, James A., assignor.)
McDermott, Charles C., Chicago, Ill. Thermostatic radiator control. 1,556,119; Oct. 6.
McDuffie, Benjamin H., Brooklyn, N. Y. Dispensing apparatus. 1,556,002; Oct. 6.
McElroy, Mitchell, et al. (See McElroy, William, assignor.)
McElroy, William, assignor of one-third to W. McElroy, jr., one-third to M. McElroy, and one-third to W. Wolf, Brooklyn, N. Y. Spark plug. 1,556,003; Oct. 6.
McElroy, William, jr., et al. (See McElroy, William, assignor.)
McGill Manufacturing Company. (See Gordon, David D., assignor.)
McHugh, Charles J., and S. Rivers, Indianapolis, Ind. Power-propelled boat. 1,556,336; Oct. 6.
McMillin, Robert M., Lagrange, Ga. Vehicle steering mechanism. 1,556,531; Oct. 6.
McMullen, John, Butte, Mont. Nonskid vehicle wheel. 1,556,290; Oct. 6.
Mecky, A., Company. (See Ledig, Richard G., assignor.)
Medaugh, Earl L. and W. M., Ohio City, Ohio. Rail brace. 1,555,869; Oct. 6.
Medaugh, William M. (See Medaugh, Earl L. and W. M.)
Meehan, Paul A., assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio. Tunnel-kiln-car construction. 1,556,294; Oct. 6.
Meeker, Harry, jr. (See Johnson, A. W., and Meeker.)
Meets-a-Need Manufacturing Co. (See Dickey, Roy N., assignor.)
Meinhardt, Max. (See Vis, Elemér, assignor.)
Memphis Paper Company. (See Gronauer, Ike, assignor.)
Menchen, Joseph, Summit, N. J., assignor to P. A. B. Alarm & Lock Corporation, Wilmington, Del. Fuse mechanism. 1,556,561; Oct. 6.
Mensing, Clarence W., Fort Wayne, Ind., assignor to S. F. Bowser & Co., Inc. Indicator for measuring pumps. 1,555,926; Oct. 6.
Merrill, Albert D., assignor to Stebbins Engineering & Mfg. Co., Watertown, N. Y. Bleaching machine. 1,556,235; Oct. 6.



Meservey, Charles S., Bangor, Me. Rim. 1,556,536; Oct. 6.
Metal & Thermit Corporation. (See Begtrup, Edward F., assignor.)
Meyer, John F. (See Smith, Percy C., assignor.)
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Device for expanding endless bands. 1,556,295; Oct. 6.
Midland Bank, The, trustee. (See Gorman, John I., assignor.)
Miller, Albert M., assignor of one-half to L. O. Griffith, San Francisco, Calif. Nicotine-absorbent cigarette holder. 1,556,236; Oct. 6.
Miller, Sommerfield E., Chicago, Ill. Automobile radiator-cap fixture. Des. 68,391; Oct. 6.
Mills, Clarence A., Cincinnati, Ohio. Sterilizing proteins or other colloidal material. 1,556,120; Oct. 6.
Mills, Herbert S., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Rosin compound and producing same. 1,556,237; Oct. 6.
Mills Novelty Company. (See Mills, Herbert S., assignor.)
Millwood, Max E., Edmonton, Alberta, Canada. Suction propelling means. 1,556,004; Oct. 6.
Milner, Wilfred R., Cleveland Heights, assignor to The Peerless Motor Car Company, Cleveland, Ohio. Radiator shell for motor vehicles. Des. 68,392; Oct. 6.
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Miskelly, Samuel, assignor to Bryant Zinc Company, Chicago, Ill. Signaling apparatus. 1,556,238; Oct. 6.
Mitchell, Harry E., San Francisco, Calif. Protector boot for gear-shift levers. 1,556,296; Oct. 6.
Mixon, Thomas A., Detroit, Mich. Casting machine. 1,556,239; Oct. 6.
Moecker, Henry, jr., Homewood, O. Hammermeister, and T. Thompson, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo. Oven-door catch. 1,556,453; Oct. 6.
Molnar, George. (See Kiss, Aladár L., assignor.)
Molyneux, George E., Bayonne, N. J., assignor of one-half to J. P. Alvord, New York, N. Y. Speed and power controlling mechanism for vehicles. 1,556,454; Oct. 6.
Montan, Inc. (See Coolidge, Joseph R., 3d, assignor.)
Moore, George T., St. Louis, Mo. Combined street indicator and advertising device. 1,556,155; Oct. 6.
Moore, John C., Connersville, Ind. Automobile frame stiffener. 1,556,121; Oct. 6.
Moore, Joseph W., assignor of one-half to R. G. Corkern, Oberlin, La. Artificial minnow. 1,556,297; Oct. 6.
Morck, Peter J., San Francisco, Calif. Brush. 1,556,298; Oct. 6.
Morgan Construction Company. (See George, J. R., and Shepherdson, assignors.)
Morningstar, Orlando C. (See Becker, W. B., and Morningstar.)
Morral, Samuel E. and W. W., Morral, Ohio. Ear-removing device. 1,556,014; Oct. 6.
Morral, Samuel E. and W. W., Morral, Ohio. Husking machine. 1,556,015; Oct. 6.
Morral, Samuel E. and W. W., Morral, Ohio. Cornhusking machine. 1,556,016; Oct. 6.
Morral, Samuel E. and W. W., Morral, Ohio. Ear-removing device. 1,556,017; Oct. 6.
Morral, William W. (See Morral, Samuel E. and W. W.)
Morrell, Jacque C., Oak Park, Ill. Emulsion and making same. 1,556,005; Oct. 6.
Morrice, James A. (See Morris, Edgar F., assignor.)
Morris, Edgar F., Manchester, England, assignor of one-half to J. A. Morrice, Glasgow, Scotland. Coating for the prevention of rust or the like. 1,555,927; Oct. 6.
Morris, George R. (See Allemeier, H. M., and Morris.)
Morrissey, James T., assignor to American Optical Company, Southbridge, Mass. Handling device. 1,556,240; Oct. 6.
Morrissey, Timothy F., New York, N. Y. Cushion for headpieces of radio apparatus. 1,555,928; Oct. 6.
Mortimer, John H., Williamsport, Pa. Indexed reference check book and returned-check file. 1,556,537; Oct. 6.
Moulton, Albert B., assignor to Radio Corporation of America, New York, N. Y. Radio receiving system. 1,556,122; Oct. 6.
Moulton, Harley C., Maplewood, assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blind-stitch sewing machine. 1,556,006; Oct. 6.
Mueller, Adolph, trustee. (See Mueller, Philip, assignor.)
Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Locking washer and sanitary flange gasket for basin cocks. 1,556,241; Oct. 6.
Munning, A. P., & Co. (See Taylor, Floyd T., assignor.)
Murphy, James J., assignor to The Eagle Lock Co., Terryville, Conn. Pin-tumbler lock. 1,556,242; Oct. 6.
Murphy, James R., and W. R. Streb, Grand Junction, Colo. Refrigerator. 1,556,007; Oct. 6.
Murray, Albert L., assignor to Auburn Rubber Co., Auburn, Ind. Rubber sole for shoes. Des. 68,393; Oct. 6.
Musser, Benjamin E., Bellingham, Wash. Clothes-washing equipment. 1,556,243; Oct. 6.
Myers, Joseph B., Mount Pleasant, Pa. Soundpost-setting device. 1,556,340; Oct. 6.
Nash, Robert J. (See Gower, F. W., Owen, and Nash.)
Naugatuck Chemical Company, The. (See Cadwell, Sidney M., assignor.)
Naumburg, Robert E., New York, N. Y. Silver-replacement mechanism for textile machinery. 1,556,018; Oct. 6.
Nause, John T., Joliet, Ill. Toy animal. 1,556,244; Oct. 6.
Nelson, Charles A. (See Hanson, G., and Nelson.)
Nemacheck, Joseph T. (See Davy, F. J., and Nemacheck.)
New Departure Manufacturing Company, The. (See Simmons, Charles B., assignor.)
Newhall, Henry B. (See Pleister, Henry W., assignor.)
Newlon, John S., Butler, Mo. Shaving brush and soap holder. 1,556,245; Oct. 6.
Newman, Frederick H. (See Newman, Gertrude H. and F. H.)
Newman, Gertrude H. and F. H., assignors to American Cutter Company, Milwaukee, Wis. Cooky cutter. 1,556,019; Oct. 6.
Nicoletti, James A., Brooklyn, N. Y. Combined ash receiver and match holder. Des. 68,394; Oct. 6.
Nierman, Franz H., Jefferson City, Mo. Resilient wheel. 1,556,156; Oct. 6.
Nitchman, Charles D. (See Warren, R. P., Essmann, and Nitchman.)
Noll, John J., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Removable closure for receptacles. 1,556,020; Oct. 6.
Norden, Charles F., New York, N. Y., assignor to H. Hyman & Co., Inc. Lamp socket with timing devices. 1,556,246; Oct. 6.
North, James W., Pittsburgh, Pa. Dam. 1,556,157; Oct. 6.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Shuttle-box tension-controlling mechanism for looms. 1,556,247; Oct. 6.
Northrop, Jonas. (See Draper, C. H., and Northrop.)
Northwest Engineering Company. (See Burke, Paul, assignor.)
Nuhring, Charles, Cincinnati, Ohio. Combined hose rack and cabinet. 1,556,128; Oct. 6.
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Telegraph repeater. 1,555,870; Oct. 6.
Obermoser, Karl, Baden-Baden, Germany. Automatic coupling. 1,556,299; Oct. 6.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Car construction. 1,555,871; Oct. 6.
O'Donnell, Philip L., Cincinnati, Ohio. Process and apparatus for reenforcing shoe vamps, tips, and the like. 1,556,124; Oct. 6.
Oehrn, Hans. (See Kaltwasser, O., Kirchoff, and Oehrn.)
Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
Ohlwiler, Clarence H., assignor to American Optical Company, Southbridge, Mass. Lens-cleaning process. 1,556,248; Oct. 6.
Olinger, Thomas, assignor to Federal Manufacturing Company, Holland, Mich. Pulley construction. 1,555,872; Oct. 6.
Olsen Engine Syndicate Limited, The. (See Olsen, Simon D., assignor.)
Olsen, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Combined odometer and speedometer. 1,556,341; Oct. 6.
Olsen, Simon D., West Ham, London, assignor to The Olsen Engine Syndicate Limited, London, England. Motive-power engine. 1,556,300; Oct. 6.
O'Neill, Daniel A., Philadelphia, assignor of one-half to J. C. O'Neill, Overbrook, Pa. Water-controlling mechanism for flush tanks. 1,556,301; Oct. 6.
O'Neill, John C. (See O'Neill, Daniel A., assignor.)
O'Rourke, Daniel J., Clarkdale, Ariz., assignor to Sullivan Machinery Company. Tool support. 1,556,569; Oct. 6.
Orr, William V., Cleveland, Ohio. Suction cleaner. 1,556,021; Oct. 6.
Owen, Hugh J. (See Gower, F. W., Owen, and Nash.)
Owen, William L., New Orleans, La. Insecticide. 1,555,951; Oct. 6.
Owen, William W., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,555,952; Oct. 6.
P. A. B. Alarm & Lock Corporation. (See Menchen, Joseph, assignor.)
P & M Company, The. (See Preston, Frederick A., assignor.)
P & M Company, The. (See Warr, Harold G., assignor.)
Pace, James H., Scottdale, Ga. Controlling device for motor vehicles. 1,556,302; Oct. 6.
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Pade, Max H. (See Swain, J. G., and Pade.)
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 68,395; Oct. 6.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 68,396; Oct. 6.

Paragon Auto Parts Mfg. Co. (See Petrowsky, Benjamin, assignor.)
Parker, Charles, assignor to The Locke Steel Chain Company, Bridgeport, Conn. Method of and machine for making and assembling chain links. 1,556,538; Oct. 6.
Parker, John F., Portland, Me. Screw jack. 1,556,539; Oct. 6.
Parker, William S., assignor to Burson Knitting Company, Rockford, Ill. Knitted stocking. 1,555,873; Oct. 6.
Parmenter, Edward S., assignor to R. E. Parmenter, Longmeadow, Mass. Dirigible lamp holder. 1,555,874; Oct. 6.
Parmenter, Ray E. (See Parmenter, Edward S., assignor.)
Patch, Harry M., Seattle, Wash. Headlight lens. 1,556,158; Oct. 6.
Patterson, George E., Greenwich, Conn. Dowel-pin-holeboring machine. 1,556,540; Oct. 6.
Pearce, Herbert, Detroit, Mich. Pet cock. 1,556,303; Oct. 6.
Pearson, Robert D., et al. (See Aspinall, Daniel, assignor.)
Pearson, Robert D. (See Clapp, Ray A., assignor.)
Peerless Light Company. (See Herskovitz, Max, assignor.)
Peerless Motor Car Company, The. (See Milner, Wilfred R., assignor.)
Penner, Aron L., Winnipeg, Manitoba, assignor of one-half to J. F. Froese and one-half to J. F. Froese, Reinland, Manitoba, Canada. Aluminum solder. 1,556,022; Oct. 6.
Perry, John M., Vosburg, Miss. Towel-dispensing machine. 1,556,541; Oct. 6.
Peters Machinery Company. (See Jurgens, E. G., and Becker, assignors.)
Peterson, Claus E., Worcester, Mass. Pneumatic-piano construction. 1,556,249; Oct. 6.
Peterson, Jonathan, Brooklyn, N. Y., and J. C. Thom, Chicago, Ill., assignors to Combination Machine Company, New York, N. Y. Packaging mechanism. 1,556,023; Oct. 6.
Peth, John P., Chicago, Ill. Nonremovable electric-lamp bulb. 1,556,342; Oct. 6.
Petrowsky, Benjamin, assignor to Paragon Auto Parts Mfg. Co., Inc., New York, N. Y. Film reel. Des. 68,397; Oct. 6.
Philips, William E., assignor to The Stearns Conveyor Company, Cleveland, Ohio. Pivoted bucket conveyer. 1,556,343; Oct. 6.
Phillips, Norman, and A. J. Martin, Salem, Ohio. Tire alarm. 1,556,542; Oct. 6.
Phimister, Duane, Chicago, Ill. Card deck. 1,556,344; Oct. 6.
Pierce, Ralph E., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Telegraph measuring system. 1,555,875; Oct. 6.
Pierce, Winfield S., Oakland, Calif. Preparing fruit juice. 1,556,572; Oct. 6.
Pilcher, John A., Roanoke, Va. Car truck. 1,556,024; Oct. 6.
Pirtle, Joseph D., Chicago, Ill. Machine for removing skins of nuts. 1,556,025; Oct. 6.
Pistolesi, Enrico, Tivoli, Italy. Air propeller. 1,556,304; Oct. 6.
Pitney-Bowes Postage Meter Company. (See Tifft, Guy E., assignor.)
Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Toggle. 1,556,345; Oct. 6.
Poekert, Fredrich W. R., Pittsburgh, Pa. Railway mail delivering and receiving device. 1,556,305; Oct. 6.
Pomilio Brothers Corporation. (See Pomilio, U., and Giordani, assignors.)
Pomilio, Umberto, and F. Giordani, Naples, Italy, assignors to Pomilio Brothers Corporation, New York, N. Y. Electrolytic process for treating solutions derived from leucitic rocks. 1,556,543; Oct. 6.
Poppenhusen, Herman A., Hammond, assignor to Green Engineering Company, East Chicago, Ind. Fire arch. 1,556,125; Oct. 6.
Poplawski, Theodore T., and H. R. Sieverkropp, Racine, Wis. Knockdown bird cage. 1,556,346; Oct. 6.
Poritz, Frederick M., New York, N. Y., assignor to Artistic Brass & Bronze Wks., Inc. Column for lighting fixtures or similar articles. Des. 68,398; Oct. 6.
Poritz, Frederick M., New York, N. Y., assignor to Artistic Brass & Bronze Wks. Inc. Column for lighting fixtures or similar articles. Des. 68,399; Oct. 6.
Pouget, Louis M., Valliere, France. Apparatus for use in making extracts, infusions, decoctions, and the like. 1,556,026; Oct. 6.
Pressell, George W., assignor to E. F. Houghton & Company, Philadelphia, Pa. Carburizing material. 1,556,347; Oct. 6.
Preston, Frederick A., Highland Park, assignor to The P & M Company, Chicago, Ill. Bond-wire supporter. 1,556,126; Oct. 6.
Pritchett, William H., and O. J. Christiansen, San Diego, Calif. Hair curler. 1,556,544; Oct. 6.
Prodor Fabrique de Produits Organiques S. A. (See Terrisse, Henri, assignor.)
Products Protection Corporation, The. (See Smith, Franklin S., assignor.)
Pruett, William A., Los Angeles, Calif. Bait-can holder. 1,556,127; Oct. 6.
Quicke, James M., Petersburg, Va. Adjustable ink reservoir for pens. 1,556,545; Oct. 6.
Quicksafe Manufacturing Corporation. (See Waller, Robert H., assignor.)
Radio Corporation of America. (See Moulton, Albert B., assignor.)
Radio Corporation of America. (See Round, Henry J., assignor.)
Radio Corporation of America. (See Weagant, Roy A., assignor.)
Ragsdale, Earl J. W., U. S. Army. Rear firing mechanism for high-capacity drop bombs. 1,556,027; Oct. 6.
Rastetter, William C., Fort Wayne, Ind. Folding chair. 1,556,306; Oct. 6.
Rathburn, Jerry R. (See Harris, Carlton G., assignor.)
Ravel, Louis R., Besancon, France. Construction of motor vehicles. 1,556,028; Oct. 6.
Ray, William A., and R. B. Beisel, Hempstead, N. Y., assignors to Curtiss Aeroplane & Motor Co., Inc. Aeroplane landing gear. 1,556,348; Oct. 6.
Reagan, Frank H., Rochester, N. Y., assignor, by mesne assignments, to Locke Insulator Corporation, Baltimore, Md. Connecting insulator units. 1,556,029; Oct. 6.
Recatti, Rocco, St. Louis, Mo. Figure wheeled toy. 1,556,349; Oct. 6.
Redshaw, Joseph G., Lynn, Mass. Windshield cleaner and heater. 1,556,030; Oct. 6.
Reiss-Premier Pipe Company. (See Burger, J. D., and Hirsch, assignor.)
Rendle, Thomas, Ottawa, Ill. Shoe-repairing stand. 1,556,350; Oct. 6.
Republic Brass Co., The. (See Bloch, Leon, assignor.)
Rex Manufacturing Company. (See Davis, Joseph R., assignor.)
Reynolds, Henry R., Wallace, N. Y. Automobile signal. 1,556,546; Oct. 6.
Rhode Island Warp Stop Equipment Company. (See Smith, Edwin C., assignor.)
Rhodes, Hampton P., Houston, Tex. Header for compressing packing. 1,556,031; Oct. 6.
Ricard, Alphonse T., Detroit, Mich., assignor of nine-twentieths to F. Frustaglio, Windsor, Canada. Motor-operated handsaw. 1,556,547; Oct. 6.
Rice, Norman H., Santa Barbara, Calif. Headlight. 1,556,159; Oct. 6.
Richey, Craig H., Birmingham, Mich. Fraternity pin. Des. 68,400; Oct. 6.
Richards, Julius H., Torrington, Conn., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,556,351; Oct. 6.
Richardson, Rodney G., assignor to Automatic Electric Company, Chicago, Ill. Trunking arrangement for automatic telephone systems. 1,556,307; Oct. 6.
Rigg, Gilbert, Melbourne, Victoria, and W. J. McBride, Broken Hill, New South Wales, Australia. Process of and apparatus for use in drying ores, concentrates, and other granular materials. 1,556,250; Oct. 6.
Riggs, Roy F., Alton, assignor to Western Cartridge Company, East Alton, Ill. Game bullet. 1,556,160; Oct. 6.
Rile-Ezone Burner and Manufacturing Company. (See Riley, Kenneth L., assignor.)
Riley, Kenneth L., assignor to Rile-Ezone Burner and Manufacturing Company, Ludlow, Mass. Oil burner. 1,555,876; Oct. 6.
Ripberger, Alexander G., assignor to The Timken Roller Bearing Company, Canton, Ohio. Electromagnetic chuck. 1,555,877; Oct. 6.
Ripberger, Alexander G., assignor to The Timken Roller Bearing Company, Canton, Ohio. System for disposing of metal cuttings. 1,556,161; Oct. 6.
Ripley, George A., Dallas, Tex. Button mounting for garments. 1,556,455; Oct. 6.
Ritter, Jacob, Far Rockaway, N. Y. Bag. 1,556,352; Oct. 6.
Ritter, Leroy F., Milton, Pa., assignor to American Car and Foundry Company, New York, N. Y. Making heating coils for car tanks. 1,556,032; Oct. 6.
Rivers, Burward S. (See McHugh, C. J., and Rivers.)
Roberts, Archie H., Morris, Minn. Refrigerator. 1,556,548; Oct. 6.
Robson, John, Waterbury, Conn., assignor to Universal Engineering Corporation, Montreal, Canada. Hydraulic mechanism. 1,556,033; Oct. 6.
Rocklin, Benjamin, Chicago, Ill. Can opener. 1,556,162; Oct. 6.
Roddy, Gustav R., assignor to Chain Belt Company, Milwaukee, Wis. Conveyer. 1,556,562; Oct. 6.
Rodger Ballast Car Company. (See Hindahl, David, assignor.)
Rodman, Harry M. (See Brown, Leroy, assignor.)
Roedding, Gordon E., assignor to Doerr Manufacturing Company, Grand Rapids, Mich. Container. 1,556,353; Oct. 6.
Roessler & Hasslacher Chemical Company, The. (See Wernlund, Christian J., assignor.)
Rogers, James H., Quincy, Mass. Account-statement form. 1,556,354; Oct. 6.
Rohlin, Victor A., assignor to Cochrane Corporation, Philadelphia, Pa. Liquid-treating system. 1,556,034; Oct. 6.
Rohrbacher, Paul R. (See Ambler, R. R., and Rohrbacher.)





Roney, Grant, Swaledale, Iowa. Veterinary instrument. 1,556,355; Oct. 6.
Ronning, Adolph. (See Ronning, Andrean G. and A.)
Ronning, Andrean G. and A., assignors to Ronning Machinery Company, Minneapolis, Minn. Ditcher. 1,556,349; Oct. 6.
Ronning Machinery Company. (See Ronning, Andrean G. and A., assignors.)
Roos, William F., Pelham Manor, N. Y. Handling material in the presence of compressed air. 1,556,128; Oct. 6.
Rosenberg, Edward A., New York, N. Y. Atomizer head. Des. 68,401; Oct. 6.
Round, Henry J., London, England, assignor to Radio Corporation of America. Reception of wireless signals. 1,556,129; Oct. 6.
Russo, Albert, Pittston, Pa. Toy balloon. 1,556,356; Oct. 6.
Rust, Ellsworth M., Washington, D. C., assignor to The Rust Engineering Company, Pittsburgh, Pa. Mold. 1,555,878; Oct. 6.
Rust Engineering Company, The. (See Rust, Ellsworth M., assignor.)
Ruthven, Alfred L., Rochester, N. Y. Simplex train control. 1,556,357; Oct. 6.
Ruthven, Alfred L., Rochester, N. Y. Simplex train control. 1,556,358; Oct. 6.
Rusicka, Frank, Battle Creek, Nebr. Motor. 1,555,879; Oct. 6.
St. Amour, Bert, Winooski, Vt. Combined washboard and suction cup. 1,556,481; Oct. 6.
Sampson, Harry, Long Beach, N. Y. Spark plug. 1,556,251; Oct. 6.
Samuels, Samuel C., San Francisco, Calif. Railway-track construction. 1,555,880; Oct. 6.
Sargent & Company. (See Carroll, William J., assignor.)
Schade, Edmund A., assignor to The Stanley Works, New Britain, Conn. Plane. Des. 68,402; Oct. 6.
Schaefer, Henri, New York, N. Y. Theft alarm for motor vehicles. 1,556,035; Oct. 6.
Schardt, John, Toledo, Ohio. Colter and jointer attachment. 1,555,881; Oct. 6.
Schat, Ane P., The Hague, Netherlands. Lifeboat tackle. 1,555,882; Oct. 6.
Schlaupitz, Oswald, assignor to The Timken Roller Bearing Company, Canton, Ohio. Gauging machine. 1,555,883; Oct. 6.
Schmidt-Dauber Co. (See Ceci, Vincent, assignor.)
Schnelderman, Mark, New York, N. Y. Truck tire. Des. 68,403; Oct. 6.
Schnuck, Carl F. (See Bowen, D. R., and Schnuck.)
Schoch, Eugene F., Austin, Tex. Dehydrated lignite. 1,556,036; Oct. 6.
Schollhorn, William, Company, The. (See Bernard, William A., assignor.)
Schriever, Otto, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin. Circuit arrangement for wireless signaling. 1,556,130; Oct. 6.
Schumacher, John, Los Angeles, Calif. Reenforced plaster board. 1,556,163; Oct. 6.
Schumacher, John, Los Angeles, Calif. Forming plaster board and the like. 1,556,164; Oct. 6.
Schwab, James W., Gulf, assignor to Texas Gulf Sulphur Company, Bay City, Tex. Free-burning sulphur. 1,556,037; Oct. 6.
Schwartz, Carl, Sheboygan Falls, Wis. Phonograph motor. 1,556,359; Oct. 6.
Scoville, Alva L., Los Angeles, Calif. Recording and classifying system. 1,556,131; Oct. 6.
Séailles, Jean. (See Séailles, Speranza, née Calogéropoulos, and J.)
Séailles, Speranza, née Calogéropoulos, and J., assignors to Société Anonyme "L A P." Paris, France. Process for the use of mixtures of aluminous cements with ordinary cements. 1,556,038; Oct. 6.
Selby, Luther W., Arapaho, Okla. Brush holder. 1,556,360; Oct. 6.
Seymour, Benjamin F., Indianapolis, Ind. Vehicle body suspension. 1,556,165; Oct. 6.
Shambow Shuttle Company. (See King, Warren N., assignor.)
Sheperdson, John W. (See George, J. R., and Sheperdson.)
Shepherd, John E., Charlottesville, Va. Steam-operated apparatus and process for mixing and applying plastic and other materials. 1,556,252; Oct. 6.
Shistone, Herbert M., New Orleans, La. Decolorizing carbon and producing the same. 1,556,039; Oct. 6.
Shively, John J., Brookville, Pa. Compressor for refrigerating apparatus. 1,556,040; Oct. 6.
Shoenberg, Milton H., San Francisco, Calif. Cigar lighter. 1,556,253; Oct. 6.
Short, Herman C., Fitzpatrick, Ala. Shipping cage for bees. 1,556,254; Oct. 6.
Siegel, Maude, assignor to Franklin Simon & Company, Inc., New York, N. Y. Child's coat. Des. 68,404; Oct. 6.
Siegel, Maude, assignor to Franklin Simon & Company, New York, N. Y. Dress. Des. 68,405; Oct. 6.
Siegrist, Frank, Coopersburg, Pa. Direction indicator. 1,556,361; Oct. 6.
Sieverkropp, Henry R. (See Poplawski, T. T., and Sieverkropp.)
Sievert, Charles W., Los Angeles, Calif. Flanging machine. 1,556,166; Oct. 6.
Silbert, Joseph, Winnipeg, Manitoba, Canada. Halter. 1,556,362; Oct. 6.
Simmons, Charles B., assignor to The New Departure Manufacturing Company, Bristol, Conn. Clutch mechanism. 1,556,256; Oct. 6.
Simon, Maurice, St. Louis, Mo. Electrical heating unit and making same. 1,555,953; Oct. 6.
Simonds, A. A., Dayton Company, The. (See Anderson, Edward, assignor.)
Simpson, Eugene B., Gray Court, S. C. Syringe nozzle. 1,556,041; Oct. 6.
Simpson, Richard J. N., Sarnia, Ontario, Canada. Grain-car door. 1,555,884; Oct. 6.
Sims, Frederick W. (See Hunter, W. C., and Sims.)
Skoglund, John A., Detroit, Mich. Headlight for automobiles. 1,555,888; Oct. 6.
Smallwood, Alfred, Highgate, London, England. Furnace. 1,556,257; Oct. 6.
Smelters, Refiners & Chemicals Corporation. (See Tingley, Stephen L., assignor.)
Smiley, Pearl Y., Kitchener, Ontario, Canada. Footwear. 1,556,167; Oct. 6.
Smith, Charles R., et al. (See Hentzell, Charles S. and M. P., assignors.)
Smith, Edwin C., Providence, assignor to Rhode Island Warp Stop Equipment Company, Pawtucket, R. I. Electromagnet. 1,556,363; Oct. 6.
Smith, E. Payson. (See Eberman, George T., assignor.)
Smith, E. Payson. (See Harbert, Victor H., assignor.)
Smith, Franklin S., Philadelphia, Pa., assignor to The Products Protection Corporation, New York, N. Y. Electric transformer. 1,555,885; Oct. 6.
Smith, James G., Westwood, Ohio, assignor to J. H. Smith, Westwood, Cincinnati, Ohio. Journal box and bearing. 1,556,258; Oct. 6.
Smith, James H. (See Smith, James G., assignor.)
Smith, John C., assignor to Solar Electric Company, Chicago, Ill. Reenforced glass. 1,556,364; Oct. 6.
Smith, Leonard S., jr., Cincinnati, Ohio. Marking machine for laundry articles. 1,556,168; Oct. 6.
Smith, Nelson K., Dallas, Tex. Pipe wrench. 1,556,169; Oct. 6.
Smith, Percy C., assignor to J. F. Meyer, Chicago, Ill. Coin-operated machine. 1,556,042; Oct. 6.
Smith, Percy C., assignor to J. F. Meyer, Chicago, Ill. Coin-controlled machine. 1,556,043; Oct. 6.
Smith, Samuel T., Los Angeles, Calif. Evaporator. 1,556,182; Oct. 6.
Smith, William A., Clarkson, N. Y. Machine for preparing food substances. 1,556,365; Oct. 6.
Smith, William D., Lumber Bridge, N. C. Variable-color lamp. 1,556,170; Oct. 6.
Smouse, George E., Washington, D. C. Truck or transplanting devices. 1,556,366; Oct. 6.
Snyder, Simon, assignor to Sprout, Waldron & Co., Muncy, Pa. Feed-regulating device for grinding mills. 1,555,886; Oct. 6.
Société Anonyme des Anciens Etablissements Hotchkiss & Cie. (See Benêt, Laurence V., assignor.)
Société Anonyme "L A P." (See Séailles, Speranza, née Calogéropoulos, and J., assignors.)
Societe Anonyme pour l'Exploitation des Procedes Westinghouse-Leblanc. (See Leblanc, Charles L. A. M., assignor.)
Solar Electric Company. (See Smith, John C., assignor.)
Sonsthagen, Asbjorn, London, England. Chocolate and like depositing and coating machine. 1,556,259; Oct. 6.
Soulé, Edward, Brooklyn, N. Y. Direction signal. 1,556,367; Oct. 6.
Spang and Company. (See Köler, William, jr., assignor.)
Spangler, Fred, Midway, Wis. Grinding device. 1,556,171; Oct. 6.
Spear, Alfred, and L. Susskind, Providence, R. I. Ring for personal wear. Des. 68,406; Oct. 6.
Spear, Ernest A., Belmont, Mass. Table and the like. 1,556,172; Oct. 6.
Sperry, Herbert B., Chicago, Ill., assignor to Appleton Manufacturing Company. Ensilage cutter. 1,555,887; Oct. 6.
Sperry, John A., Munnsville, N. Y. Molding flask. 1,556,368; Oct. 6.
Sprout, Waldron & Co. (See Snyder, Simon, assignor.)
Standard Paper Company. (See Byrne, John F., assignor.)
Stanley, Nathan M., Dayton, Ohio. Sign. 1,556,133; Oct. 6.
Stanley Works, The. (See Schade, Edmund A., assignor.)
Staunton, Edmund G., Toronto, Ontario, Canada. Manufacture of wall paper. 1,555,889; Oct. 6.
Stearns Conveyor Company, The. (See Philips, William E., assignor.)
Stebbins Engineering & Mfg. Co. (See Merrill, Albert D., assignor.)
Steere, Robert W., Providence, R. I., assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Construction and operation of tunnel kilns. 1,556,260; Oct. 6.
Steffen, Herman A., Bellingham, Minn. Nest appliance. 1,556,456; Oct. 6.
Stein, Leo, et al. (See Ebert, Joseph, assignor.)
Stein, Milton A. B., Bridgeport, Conn. Boat-building block. 1,556,457; Oct. 6.

Steinberger, Louis, Brooklyn, N. Y., and G. Hill, Washington, D. C. Insulated support for electrical conductors. 1,555,954; Oct. 6.

Stephens, Samuel, Somerville, assignor to S. Stephens and Wickersham Quoin Company, Boston, Mass. Lock-up device. 1,555,890; Oct. 6.

Stephens, Samuel, et al. (See Stephens, Samuel, assignor.)

Stephenson, Jay G., Athens, Tenn., assignor, by mesne assignments, to Athens Plow Company. Tractor plow. 1,556,173; Oct. 6.

Stevenson, May L., administratrix. (See Stevenson, Walter J.)

Stevenson, Russell C., Oakland, Oreg. Automatic clutch lock. 1,556,044; Oct. 6.

Stevenson, Walter J., deceased, London, by M. L. Stevenson, administratrix, Pinner, assignor to Artsilk Limited, London, England. Purification of viscose solutions. 1,556,174; Oct. 6.

Stevenson, William M., assignor to Waite Grass Carpet Company, Oshkosh, Wis. Rug. 1,556,175; Oct. 6.

Stewart-Warner Speedometer Corporation. (See Olsen, John K., assignor.)

Stewart, William J. (See Dobbins, Edward J., assignor.)

Stiriss, Jacob, New York, N. Y. Envelope machine. 1,556,369; Oct. 6.

Stiriss, Jacob, New York, N. Y. Envelope machine. 1,556,370; Oct. 6.

Stiriss, Jacob, New York, N. Y. Spectacle frame. 1,556,371; Oct. 6.

Stoddard, William O., jr., Madison, assignor to Duratex Corporation, Newark, N. J. Dull-finish coating and making same. 1,556,261; Oct. 6.

Stoekle, Erwin R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Protective device for electric circuits. 1,556,134; Oct. 6.

Stolp, Samuel S., Chicago, Ill., assignor to Cheatham Electric Switching Device Co., Louisville, Ky. Circuit changer. 1,556,176; Oct. 6.

Streb, William R. (See Murphy, J. R., and Streb.)

Streeter, Albert W., Carteret, N. J., assignor to United States Metals Refining Company. Elevator and elevator truck. 1,556,262; Oct. 6.

Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)

Sullivan Machinery Company. (See O'Rourke, Daniel J., assignor.)

Summers, Gilbert L., Nottingham, England, assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Needle-thread pull-off means. 1,556,458; Oct. 6.

Surgeon's Specialty Company, The. (See Fries, R. G., and Jones, assignors.)

Susskind, Louis. (See Spear, A., and Susskind.)

Sutterfield, James F., Goose Creek, Tex. Oil burner. 1,556,263; Oct. 6.

Swain, Joseph G., and M. H. Pade, assignors to The Firestone Steel Products Company, Akron, Ohio. Mechanical plating apparatus. 1,556,045; Oct. 6.

Swearingen, Bird L. (See Welle, Hal P., assignor.)

Symington Company, The. (See Kadel, Byers W., assignor.)

Szabo, Alex, and P. Balogh, Perth Amboy, N. J. Safety nut. 1,556,177; Oct. 6.

Szymanski, Michael A., Warsaw, Poland. Airship. 1,556,459; Oct. 6.

Tallaksen, Olaf, Chicago, Ill. Bar supporting and spacing device. 1,556,178; Oct. 6.

Taylor, Floyd T., Matawan, N. J., assignor to A. P. Munning & Co., New York, N. Y. Holder for articles to be electroplated. 1,555,891; Oct. 6.

Taylor, Robert A. M., Melbourne, Victoria, Australia. Game. 1,556,046; Oct. 6.

Taylor, William L., Cincinnati, Ohio. Paper-pasting machine. 1,555,892; Oct. 6.

Tenney, Edward B., Claremont, N. H. Bedspread. Des. 68,407; Oct. 6.

Tenney, Edward B., Claremont, N. H. Bedspread. Des. 68,408; Oct. 6.

Tenney, Edward B., Claremont, N. H. Bedspread. Des. 68,409; Oct. 6.

Tenney, Edward B., Claremont, N. H. Bedspread. Des. 68,410; Oct. 6.

Tepfer, Harry, Brooklyn, assignor to Apex Chandelier Co., Inc., New York, N. Y. Arm for lighting fixtures. Des. 68,411; Oct. 6.

Terrisse, Henri, assignor to Prodor Fabrique de Produits Organiques S. A., Geneva, Canton of Geneva, Switzerland. Preparation of a carbureting fuel mixture for internal-combustion engines. 1,556,047; Oct. 6.

Texas Gulf Sulphur Company. (See Schwab, James W., assignor.)

Thaler, Wilhelm, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y. Separator. 1,556,372; Oct. 6.

Theuriet, Leo G., and C. M. Johnson, San Francisco, Calif. Engagement ring. Des. 68,412; Oct. 6.

Thill, Frank, Long Island City, N. Y. Spring oiler. 1,556,460; Oct. 6.

Thill, Frank, Long Island City, N. Y. Window-seal strip. 1,556,461; Oct. 6.

Thoeni, Herman, Spokane, Wash. Plant support. 1,556,373; Oct. 6.

Thom, Charles H., Los Angeles, Calif. Soda-water bottle. Des. 68,413; Oct. 6.

Thom, James C. (See Peterson, J., and Thom.)

Thomas, Elmer E., Hardin, Ill. Grinding apparatus. 1,556,374; Oct. 6.

Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Separating packaged goods according to weight difference. 1,556,048; Oct. 6.

Thompson, Elmer O., Tompkinsville, N. Y., assignor to American Telephone and Telegraph Company. Alternating-current relay. 1,555,893; Oct. 6.

Thompson, Theodore. (See Moecker, H., jr., Hammermeister, and Thompson.)

Thorburn, John A., Norwood, assignor to R. Thorburn, Hamilton County, Ohio. Device for applying polishing materials. 1,556,563; Oct. 6.

Thorburn, Ray. (See Thorburn, John A., assignor.)

Thresher, Edward E., Akron, Ohio. Artificial-bird target. 1,556,264; Oct. 6.

Thurston and Company, Limited. (See Ling, Frederick, assignor.)

Tifft, Guy E., Detroit, Mich., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Envelope sealing and stamping machine. 1,556,375; Oct. 6.

Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Lens-testing instrument. 1,556,550; Oct. 6.

Timander, Erik and G., Orsa, Sweden. Lifting apparatus for railway tracks. 1,556,376; Oct. 6.

Timander, Gösta. (See Timander, Erik and G.)

Timken Roller Bearing Company, The. (See Ripberger, Alexander G., assignor.)

Timken Roller Bearing Company, The. (See Schlaupitz, Oswald, assignor.)

Tingley, Stephen L., Boston, Mass., assignor to Smelters, Refiners & Chemicals Corporation, Nitro, W. Va. Electric furnace. 1,556,377; Oct. 6.

Titman, George B., et al. (See Titman, Jacob R., assignor.)

Titman, Jacob R., assignor of one-third to G. B. Titman and one-third to S. F. Titman, Rahway, N. J. Combined choke and needle valve control. 1,556,179; Oct. 6.

Titman, Sherman F., et al. (See Titman, Jacob R., assignor.)

Tomlinson, Homer E., Malden, Mo., and H. P. Kinsolving, Kokomo, Ind. Vehicle axle. 1,556,180; Oct. 6.

Topazzi, Antonio, Stapleton, N. Y. Sewing-machine cabinet. 1,556,378; Oct. 6.

Torske, John, Ada, Minn. Vegetable sacker. 1,556,462; Oct. 6.

Trejo, Guillermo, New York, N. Y. Lock. 1,556,380; Oct. 6.

Troutman, Frank E., and C. H. Christie, Butler, Pa. Method and apparatus for casting plate glass. 1,556,381; Oct. 6.

Troy, Seymour, New York, N. Y. Slipper. Des. 68,414; Oct. 6.

Troy, Seymour, New York, N. Y. Slipper. Des. 68,415; Oct. 6.

Trussell, Clarence D. (See Trussell, Emory A., assignor.)

Trussell, Emory A., Richmond Hill, assignor of one-third to C. D. Trussell, Poughkeepsie, N. Y. Loose-leaf or refill book. 1,556,049; Oct. 6.

Turner, Chester D. (See Coombes, W. E., and Turner.)

Turner Tanning Machinery Company, The. (See Brill, August C., assignor.)

Tyden, Emil, Evanston, Ill. Dry-pipe-valve-accelerating device. 1,556,382; Oct. 6.

Tyree, Chester, London, Ky. Water feed for dental instruments. 1,556,181; Oct. 6.

Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)

Underwood Typewriter Company. (See Waldheim, John, assignor.)

Unger, Ernest, New York, N. Y. Hair-waving heater. 1,556,265; Oct. 6.

Unger, Ernest, New York, N. Y. Hair-waving device. 1,556,266; Oct. 6.

United Engineering & Foundry Company. (See Johnson, Lane, assignor.)

United Shoe Machinery Corporation. (See Coombes, W. E., and Turner, assignors.)

United Shoe Machinery Corporation. (See Hodgkins, Edward F., assignor.)

United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)

United States Air Compressor Co., The. (See Bacher, Roilin L., assignor.)

United States Metals Refining Company. (See Streeter, Albert W., assignor.)

U. S. Sanitary Specialties Corporation. (See Koppelman, Harold L., assignor.)

Universal Engineering Corporation. (See Robson, John, assignor.)

Universal Oil Products Company. (See Huff, Lyman C., assignor.)

V. Traitteur, Friedrich O., Frankenthal, Germany. Stop-cylinder-printing-press with front delivery. 1,556,379; Oct. 6.

Van der Hoeven, Jan, Leiden, Netherlands. Method and apparatus for preventing substances from mixing. 1,556,135; Oct. 6.





Van Emon, Burton C., San Francisco, Calif. Valve. 1,555,851; Oct. 6.

Van Meter, Morton, Cadillac, Mich. Rebound check for automobiles. 1,555,894; Oct. 6.

Van Ness, Henry E., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,556,383; Oct. 6.

Vapor Lubricant Company. (See Hopkins, James H., assignor.)

Vehling, Hugo. (See Vehling, Paul and H.)

Vehling, Paul and H., Milwaukee, Wis. Serving rack. 1,556,384; Oct. 6.

Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Carburetor for hydrocarbon engines. 1,556,050; Oct. 6.

Vinson, Fred M. (See Hayes, Leslie S., assignor.)

Visser, Robert H., Virden, Ill. Starting-crank holder. 1,556,182; Oct. 6.

Vis, Elemér, Budapest, Hungary, assignor of one-half to M. Meinhardt, Coventry, England. Production of thermoinduction currents. 1,556,183; Oct. 6.

Volpo, Jacob, Jerusalem, Palestine. Simple repeater mechanism for clocks and watches. 1,556,184; Oct. 6.

W-H Keyless Lock Company. (See Hatch, Alexander G., assignor.)

Wahl, Leo J., Sterling, Ill. Blade mounting for clippers. 1,556,564; Oct. 6.

Wahlstrom, Axel, Oakland, Calif. Trap. 1,556,136; Oct. 6.

Waite Grass Carpet Company. (See Stevenson, William M., assignor.)

Walcott, Joseph H., assignor to Helburn Thompson Company, Salem, Mass. Leather-working machine. 1,556,051; Oct. 6.

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,556,267; Oct. 6.

Walker, Earl C., Canton, Ill. Indicator for radiators. 1,556,185; Oct. 6.

Walkley, George A., Westfield, Mass. Light-weight aggregate. 1,556,268; Oct. 6.

Wall, William G., Indianapolis, Ind. Liquid meter. 1,556,186; Oct. 6.

Waller, Robert H., assignor, by mesne assignments, to Quicksafe Manufacturing Corporation, Nashville, Tenn. Can opener. 1,556,385; Oct. 6.

Walsh, Andrew A., assignor of one-half to W. J. Coughlin, Bayonne, N. J. Combination plumbing fixture. 1,556,565; Oct. 6.

Walsh, Delmar A., Kansas City, Mo. Buckle or similar article. Des. 68,416; Oct. 6.

Warming, Kai, Copenhagen, Denmark. Shaving apparatus with supply of shaving liquid to the cutting edge. 1,556,269; Oct. 6.

Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,556,052; Oct. 6.

Warren, Roy P., H. E. Essmann, and C. D. Nitchman, St. Louis, Mo. Machine for cutting and sorting pineapples and the like. 1,556,053; Oct. 6.

Warshaw, Nathan, New York, N. Y. Foldable box. 1,556,054; Oct. 6.

Waterman, William A., Exeter, Calif. Orchard valve. 1,556,551; Oct. 6.

Waterson, Henry, New York, N. Y., assignor to David Grimes Inc., Jersey City, N. J. Cabinet for radio receiving sets. Des. 68,417; Oct. 6.

Waterstone, Henry, Montgomery, W. Va. Wrapping machine. 1,556,187; Oct. 6.

Way, John F., Norwich, Conn. Starting gauge for looms. 1,556,386; Oct. 6.

Weagant, Roy A., Douglas Manor, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Method and apparatus for radiosignaling. 1,556,137; Oct. 6.

Weaver, Willis A., Detroit, Mich. Sandwich-vending machine. 1,555,955; Oct. 6.

Weber, Frederick J., Hoquiam, assignor to Grays Harbor Iron & Machine Works, Aberdeen, Wash. Saw mount. 1,556,055; Oct. 6.

Weber, John, assignor to The American National Company, Toledo, Ohio. Bending sheet-metal blanks having a rolled edge. 1,555,895; Oct. 6.

Webster, Benjamin C., Southport, Conn., assignor, by mesne assignments, to Columbia Phonograph Company, Inc. Supporting means. 1,555,896; Oct. 6.

Weeks, Charles S., South Orange, N. J., assignor to Weeks Engineering Corporation, New York, N. Y. Wrapping packages. 1,556,056; Oct. 6.

Weeks Engineering Corporation. (See Weeks, Charles S., assignor.)

Wehr, William G., East Cleveland, assignor to The Cleveland Electric Tramrail Co., Wickliffe, Ohio. Mold and method of casting. 1,556,138; Oct. 6.

Welbley, Charles E., Harrisburg, Pa. Rope guide for awnings. 1,556,463; Oct. 6.

Welle, Hal P., assignor of one-third to B. L. Swearingen, Kansas City, Mo. Outlet valve for tank cars. 1,556,270; Oct. 6.

Wellington-Stone Company. (See Mandel, Jacob, assignor.)

Wellman-Seaver-Morgan Company, The. (See Case, Arthur F., assignor.)

Welter, Herman C., assignor to Hall-Welter Co. Inc., Rochester, N. Y. Check protector. 1,556,552; Oct. 6.

Wencel, Frank, Modesto, Calif. Moldboard. 1,556,464; Oct. 6.

Wendel, Frans B., Cranford, assignor to Hercules Novelty Mfg. Co. Inc., Newark, N. J. Gem mounting. 1,556,465; Oct. 6.

Werkzeugmaschinenfabrik Oerlikon. (See Küng, Albert, assignor.)

Wernlund, Christian J., Tottenville, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Method and anode for electrodeposition of rust-resisting coatings. 1,556,271; Oct. 6.

Wernlund, Christian J., Tottenville, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Method and anode for electrodeposition of rust-resisting coatings. 1,556,272; Oct. 6.

Wessblad, Karl F. (See Blomquist, J. V., and Wessblad.)

West End Chemical Company. (See Hellmers, Henry D., assignor.)

West Manufacturing Co. (See West, Merle J., assignor.)

West, Merle J., assignor to West Manufacturing Co., Milwaukee, Wis. Sealing machine. 1,556,139; Oct. 6.

Western Cartridge Company. (See Riggs, Roy F., assignor.)

Westinghouse Electric and Manufacturing Company. (See Martin, Matthew T., assignor.)

Wheatley, Daniel Y., Ashford, England. Magneto for internal-combustion engine. 1,556,273; Oct. 6.

Wheller, Harry S., Elizabeth, N. J. Textile drier. 1,556,057; Oct. 6.

White, Fred E., assignor to Florence Stove Company, Gardner, Mass. Pipe connection. 1,556,058; Oct. 6.

Wickersham Quoin Company et al. (See Stephens, Samuel, assignor.)

Widescope Camera Co. (See Bingham, George W., assignor.)

Wilkinson, Ellis H., assignor to Bristol Stove & Foundry Company, Inc., Bristol, Va. Water heater. 1,556,274; Oct. 6.

Wilkinson, J. Walter, Philadelphia, Pa. Convertible lawn and hedge shears. 1,556,188; Oct. 6.

Willcox & Gibbs Sewing Machine Co. (See Summers, Gilbert L., assignor.)

Williams, Edward T., Brooklyn, N. Y. Reciprocating compressor. 1,556,059; Oct. 6.

Williams, Harvey E., St. Joseph, Mo. Pipe or flue expander. 1,556,387; Oct. 6.

Willis, George M., Chicago, Ill. Check writer. 1,556,466; Oct. 6.

Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Angle-cock holder. 1,556,060; Oct. 6.

Wilson, Clayton C., jr. (See Kibble, E. G., and Wilson.)

Wilson, David H., Miami, Fla. Variocoupler. 1,556,388; Oct. 6.

Wilson, John H., Mitchell, Nebr. Windmill. 1,556,276; Oct. 6.

Wilson, John H., assignor, by mesne assignments, to The Aluminum Cooking Utensil Company, New Kensington, Pa. Support for strainers. 1,556,275; Oct. 6.

Wilson, Robert J., Seattle, Wash. Water heater. 1,556,189; Oct. 6.

Winchester Repeating Arms Company. (See Jewett, Arthur C., assignor.)

Winder, Samuel E., and H. C. Daubenspeck, London, England. Glass-molding machine. 1,555,897; Oct. 6.

Winget, Augustin C. (See Winget, Jasper S. and A. C.)

Winget, Jasper S., York, and A. C. Winget, Tyrone, Pa. Cigar-wrapping machine. 1,556,389; Oct. 6.

Withrow, Floyd G., Grand Rapids, Mich. Priming-rod antirattler. 1,556,190; Oct. 6.

Wolf, James B., Glen Ridge, N. J., assignor to American Car and Foundry Company, New York, N. Y. Steel mine car. 1,556,140; Oct. 6.

Wolf, William, et al. (See McElroy, William, assignor.)

Wolny, Joseph, Sheridan, Wyo. Beet topper. 1,556,191; Oct. 6.

Wood, Clarence G., Muncie, Ind. Friction clutch. 1,556,277; Oct. 6.

Wood, Frederick L. (See Cuno, C. H., and Wood.)

Wood, John, Manufacturing Company. (See Mauck, Victor, assignor.)

Wood Shovel and Tool Company, The. (See Brandenburg, Francis C., assignor.)

Wood, Straud K., Hutchinson, Kans. Car-identifying means. 1,555,898; Oct. 6.

Woodley, Katherine B., Oak Park, assignor of one-half to B. Bowen, Chicago, Ill. Raincoat. 1,556,390; Oct. 6.

Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)

Woodward, Richard A., Genesco, Kans. Temperature compensator for clocks. 1,556,553; Oct. 6.

Workers Trust Company, administrator. (See Denning, Ansel C.)

Wright, Edwin H., Brighton, England. Photographic and projection system for obtaining stereoscopic effects. 1,556,566; Oct. 6.
Wymore, Dave, Gurdane, Oreg. Sawmill dog. 1,556,391; Oct. 6.
Yaeger, Walter A., St. Louis, Mo. Closure. 1,556,392; Oct. 6.
Yambert, Dale W., Toledo, Ohio. Refillable fuse. 1,556,393; Oct. 6.
Yates, P. B., Machine Company. (See Marshall, Charles, J., assignor.)
York Products Corporation. (See Lauer, Stewart E., assignor.)
York, William F., Grand Rapids, Mich. Stovepipe-securing means. 1,556,278; Oct. 6.
Young, Harry C., Sutton, and C. Macbeth, Four Oaks, England, assignors to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Process and apparatus for masticating rubber. 1,556,141; Oct. 6.
Young, Joseph A., Bellevue, Pa. Oil composition. 1,555,899; Oct. 6.
Young, Philip E., Fair Haven, Mass. Wash mill. 1,556,142; Oct. 6.
Zange, Max C., Cincinnati, Ohio. Hand vise. 1,556,394; Oct. 6.
Zeige, Charles A., Spokane, Wash. Steel extractor. 1,556,192; Oct. 6.
Zepp, Levigne M., Baltimore, Md. Weighing mechanism. 1,558,308; Oct. 6.
Zittel, E. B. (See Hill, Richard D., assignor.)

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 6TH DAY OF OCTOBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Account-statement form. J. H. Rogers. 1,556,354; Oct. 6.
Advertising apparatus. E. J. Dobbins. 1,554,511; Oct. 6.
Aeroplane landing gear. W. A. Ray and R. B. Beisel. 1,556,348; Oct. 6.
Aeroplane safety device. L. Doucett. 1,556,502; Oct. 6.
Aeroplane with folding wings. F. A. Bumpus. 1,556,414; Oct. 6.
Air cleaner. A. A. Bull. 1,555,905; Oct. 6.
Air, Handling material in the presence of compressed. W. F. Roos. 1,556,128; Oct. 6.
Air propeller. E. Pistolesi. 1,556,304; Oct. 6.
Airship. L. Dürr. 1,556,210; Oct. 6.
Airship. M. A. Szymanski. 1,556,459; Oct. 6.
Air-supply tower. R. L. Bacher. 1,556,397; Oct. 6.
Alarm: *See*—
Fire alarm.
Alloy and manufacture of same, Light. A. A. Fresneau. 1,555,959; Oct. 6.
Aluminum solder. A. L. Penner. 1,556,022; Oct. 6.
Amusement device. J. B. Johnson. 1,555,981; Oct. 6.
Animal trap. A. J. Hall. 1,555,966; Oct. 6.
Annealing, Handling material in. P. d'H. Dressler. 1,556,209; Oct. 6.
Antenna, Portable. A. S. Gorayeb. 1,556,435; Oct. 6.
Antiskidding device. T. V. Elliott. 1,556,504; Oct. 6.
Armatures, Building. V. G. Apple. 1,555,931; Oct. 6.
Ash receiver and match holder, Combined. J. A. Nicoletti. Des. 68,394; Oct. 6.
Asphalt and the like mixers, Blade for. L. A. Guedel. 1,555,964; Oct. 6.
Atomizer head. E. A. Rosenberg. Des. 68,401; Oct. 6.
Automatic coupling. K. Obermoser. 1,556,299; Oct. 6.
Automobile block. L. P. Hughes. 1,556,327; Oct. 6.
Automobile frame stiffener. J. C. Moore. 1,556,121; Oct. 6.
Automobile radiator-cap fixture. S. E. Miller. Des. 68,391; Oct. 6.
Automobile signal. H. R. Reynolds. 1,556,546; Oct. 6.
Automobiles, Rebound check for. M. Van Meter. 1,555,894; Oct. 6.
Awnings, Rope guide for. C. E. Weibley. 1,556,463; Oct. 6.
Axle, Vehicle. H. E. Tomlinson and H. P. Kinsolving. 1,556,180; Oct. 6.
Bacillus felsineus, Preparing cultures of. D. Carbone. 1,556,489; Oct. 6.
Bag: *See*—
Golf bag.
Bag. J. Ritter. 1,556,352; Oct. 6.
Bait-can holder. W. A. Pruett. 1,556,127; Oct. 6.
Bale bands, Device for tightening and fastening. S. Baruch. 1,555,819; Oct. 6.
Bails, Cover for semisolid. J. J. Gilson. 1,556,099; Oct. 6.
Band or belt and the production thereof, Flexible. J. A. Hanley. 1,555,840; Oct. 6.
Bands, Device for expanding endless. T. Midgley. 1,556,295; Oct. 6.
Bar supporting and spacing device. O. Tallaksen. 1,556,178; Oct. 6.
Bearing bushing. R. B. Abell. 1,556,467; Oct. 6.
Bed, Folding. M. J. Bosch. 1,556,482; Oct. 6.
Bed, Wardrobe. G. A. Fair. 1,556,331; Oct. 6.
Beds, Corner lock for metal. H. Dierker. 1,555,836; Oct. 6.
Bedspread. E. B. Tenney. Des. 68,407–10; Oct. 6.
Bees, Shipping cage for. H. C. Short. 1,556,254; Oct. 6.
Beet topper. T. C. Hollinagel. 1,556,335; Oct. 6.
Beet topper. J. Wolny. 1,556,191; Oct. 6.
Billiard and like tables, Cushion for. F. Ling. 1,556,289; Oct. 6.
Billiard-cue-chalking device. W. B. Becker and O. C. Morningstar. 1,556,064; Oct. 6.
Binder. B. M. Krell. 1,556,287; Oct. 6.
Binder, Loose-leaf. E. W. Carpenter. 1,556,416; Oct. 6.
Binder, Loose-leaf. F. B. A. Kiraten. 1,555,858; Oct. 6.
Binders, Mechanism for moving the lay and releasing the pressure on the. L. J. Ludwig. 1,555,863; Oct. 6.
Bird cage, Knockdown. T. T. Poplawski and H. R. Sieverkropp. 1,556,346; Oct. 6.
Biscuits, Apparatus for the manufacture of. G. S. and G. R. Baker. 1,556,196; Oct. 6.
Bleaching machine. A. D. Merrill. 1,556,235; Oct. 6.
Block: *See*—
Automobile block. Fuse block.
Boat-building block.
Block-trimming machine. C. S. Heath. 1,556,013; Oct. 6.
Board: *See*—
Checkerboard. Plaster board.
Boat-building block. M. A. B. Stein. 1,556,457; Oct. 6.
Boat, Power-propelled. C. J. McHugh and D. S. Rivers. 1,556,336; Oct. 6.
Bobbin-handling machine. E. R. Alderman. 1,556,469; Oct. 6.
Bolster construction. R. E. Cartzdafner. 1,555,942; Oct. 6.
Bolts, Manufacturing. W. G. Maurer. 1,555,925; Oct. 6.
Bombs, Rear firing mechanism for high capacity drop. E. J. W. Ragsdale. 1,556,027; Oct. 6.
Book, Loose-leaf or refill. E. A. Trussell. 1,556,049; Oct. 6.
Bottle, Soda-water. C. H. Thom. Des. 68,413; Oct. 6.
Box: *See*—
Display box. Lug box.
Foldable box.
Brace: *See*—
Rail brace.
Bracket: *See*—
Supporting bracket.
Brake-pin retainer. V. H. Harbert. 1,556,108; Oct. 6.
Brake rigging. S. Hansson. 1,555,968; Oct. 6.
Brake shoe with distant electromagnetic control. F. Deloison and J. Deyon. 1,556,500; Oct. 6.
Brush. P. J. Morck. 1,556,298; Oct. 6.
Brush holder. L. W. Selby. 1,556,360; Oct. 6.
Bucket conveyer, Pivoted. W. E. Phillips. 1,556,343; Oct. 6.
Buckle or similar article. D. A. Walsh. Des. 68,416; Oct. 6.
Bullet, Game. R. F. Riggs. 1,556,160; Oct. 6.
Bumper. M. Chick. 1,556,490; Oct. 6.
Burner: *See*—
Oil burner.
Bushing. G. R. Hill. 1,555,854; Oct. 6.
Button mounting for garments. G. A. Ripley. 1,556,455; Oct. 6.
Butyric aldehyde, Purification of. C. Bogin. 1,556,067; Oct. 6.
C link, Safety. W. P. Cunningham. 1,556,428; Oct. 6.
Cabinet. G. M. Boumphrey. 1,556,008; Oct. 6.
Calcined colemanite from clay and other impurities, Separating. H. D. Helmers. 1,556,110; Oct. 6.
Can: *See*—
Dispensing can. Oil can.
Can-filling apparatus. S. E. Lauer. 1,555,994; Oct. 6.
Can-loading machine. C. L. Clymer. 1,556,078; Oct. 6.
Can opener. B. Rocklin. 1,556,162; Oct. 6.
Can opener. R. H. Waller. 1,556,385; Oct. 6.
Can spout and opener, Detachable. R. N. Dickey. 1,556,206; Oct. 6.
Car, Combination railway. R. A. Clapp. 1,556,077; Oct. 6.
Car, Compartment. C. B. Brown, jr. 1,556,483; Oct. 6.
Car construction. D. Hindahl. 1,555,845; Oct. 6.
Car construction. J. F. O'Connor. 1,555,871; Oct. 6.
Car construction, Tunnel-kiln-. P. A. Meehan. 1,556,294; Oct. 6.
Car door, Grain-. R. J. N. Simpson. 1,555,884; Oct. 6.
Car-door lock, Automatic safety passenger-. L. Maury. 1,556,452; Oct. 6.
Car-identifying means. S. K. Wood. 1,555,898; Oct. 6.
Car, Mine. W. V. Johnson. 1,555,982; Oct. 6.
Car, Steel mine. J. B. Wolf. 1,556,140; Oct. 6.
Car tanks, Making heating coils for. L. F. Ritter. 1,556,032; Oct. 6.
Car ventilator. A. W. Clarke. 1,555,943; Oct. 6.
Cars, End structure for railway. R. D. Hawkins. 1,555,971; Oct. 6.
Cars, Outlet valve for tank. H. P. Welle. 1,556,270; Oct. 6.
Carbon and producing the same, Decolorizing. H. M. Shilstone. 1,556,039; Oct. 6.
Carburetor, Duplex. C. G. Krebs. 1,556,526; Oct. 6.

Carburizing material. G. W. Pressell. 1,556,347; Oct. 6.
Card deck. D. Phimister. 1,556,344; Oct. 6.
Carline construction. J. W. Bernbaum. 1,555,936; Oct. 6.
Carton-blank-feeding machine. E. G. Jurgens and H. K. Becker. 1,555,857; Oct. 6.
Carrier: *See*—
Grain carrier. Parcel carrier.
Cartridges and the like, Covering dry-cell. A. C. Jewett. 1,555,856; Oct. 6.
Case: *See*—
Vanity case.
Caster and the like, Bed. R. G. Fries and J. J. Jones. 1,555,839; Oct. 6.
Casting machine. T. A. Mixon. 1,556,239; Oct. 6.
Casting metal pipe elbows, Method of and pattern for. C. L. Loveless. 1,555,999; Oct. 6.
Casting, Mold and method of. W. G. Wehr. 1,556,138; Oct. 6.
Casting plate glass, Method and apparatus for. F. E. Troutman and C. H. Christie. 1,556,381; Oct. 6.
Cellulose, Manufacture of. A. R. de Vains. 1,556,497; Oct. 6.
Cement or mortar, Insulating. L. Caldwell. 1,556,488; Oct. 6.
Cementing and coating composition. V. L. Farrington and E. T. Alderman. 1,556,512; Oct. 6.
Cements with ordinary cements, Process for the use of mixtures of aluminous. S. and J. Séailles. 1,556,038; Oct. 6.
Ceramic products, Method and apparatus for making. E. Anderson. 1,556,193; Oct. 6.
Chain links, Method of and machine for making and assembling. C. Parker. 1,556,538; Oct. 6.
Chain machines, Tumbler for endless. A. H. Exton. 1,555,949; Oct. 6.
Chain, Ornamental. G. Kollstede. 1,556,223; Oct. 6.
Chains, Apparatus and process for making. S. D. Locke. 1,556,528; Oct. 6.
Chair: *See*—
Folding chair.
Chart-recording meter. F. Maurer. 1,555,868; Oct. 6.
Check book and returned-check file, Indexed reference. J. H. Mortimer. 1,556,537; Oct. 6.
Check protector. H. E. Welter. 1,556,552; Oct. 6.
Check writer. G. M. Willis. 1,556,466; Oct. 6.
Checkerboard. J. B. Billman. 1,555,937; Oct. 6.
Chest: *See*—
Safety chest.
Chlorination of cellulosic materials by means of chlorine water, Process and apparatus for the continuous. A. R. De Vains. 1,556,498; Oct. 6.
Chocolate and like depositing and coating machine. A. Sonsthagen. 1,556,259; Oct. 6.
Choke and needle valve control, Combined. J. R. Titman. 1,556,179; Oct. 6.
Cigar-box cover. W. Ditz. 1,556,501; Oct. 6.
Cigar lighter. C. H. Cuno and F. L. Wood. 1,556,082; Oct. 6.
Cigar lighter. M. H. Shoenberg. 1,556,253; Oct. 6.
Cigar lighter, Electric. H. M. Allemeier and G. R. Morris. 1,555,815; Oct. 6.
Cigar-wrapping machine. J. S. and A. C. Winget. 1,556,389; Oct. 6.
Cigarette holder, Nicotine-absorbent. A. M. Miller. 1,556,236; Oct. 6.
Circuit changer. S. S. Stolp. 1,556,176; Oct. 6.
Circuit closer. H. B. Bradley. 1,556,282; Oct. 6.
Clamp: *See*—
Scaffolding clamp.
Cleaner: *See*—
Air cleaner. Stove cleaner.
Rifle cleaner. Suction cleaner.
Cleat. P. L. Hudgins. 1,556,522; Oct. 6.
Clippers, Blade mounting for. L. J. Wahl. 1,556,564; Oct. 6.
Clocks and watches, Simple repeater mechanism for. J. Volpo. 1,556,184; Oct. 6.
Clocks, Temperature compensator for. R. A. Woodward. 1,556,553; Oct. 6.
Closure. W. A. Yaeger. 1,556,392; Oct. 6.
Clothes-washing equipment. B. E. Musser. 1,556,243; Oct. 6.
Clutch and brake structure. T. C. Kaseberg. 1,555,985; Oct. 6.
Clutch construction having toothed fiber disks. W. R. Coughtry. 1,556,427; Oct. 6.
Clutch, Friction. C. G. Wood. 1,556,277; Oct. 6.
Clutch lock, Automatic. R. C. Stevenson. 1,556,044; Oct. 6.
Clutch mechanism. C. B. Simmons. 1,556,256; Oct. 6.
Clutch release mechanism, Automatic. M. R. Karge and F. O. Conill. 1,555,984; Oct. 6.
Coal-bagging machine. A. H. Englerth. 1,556,505; Oct. 6.
Coat, Child's. M. Siegel. Des. 68,404; Oct. 6.
Coated strips, Machine for preparing. E. E. Clements. 1,556,423; Oct. 6.
Coating and making same, Dull-finish. W. O. Stoddard, jr. 1,556,261; Oct. 6.
Cock for hot and cold water with a single double-acting valve. J. A. Lemétais. 1,556,227; Oct. 6.
Cock holder, Angle. V. Willoughby. 1,556,060; Oct. 6.
Cock, Pet. H. Pearce. 1,556,303; Oct. 6.
Cock, Safety gas. W. L. Jackson. 1,556,443; Oct. 6.
Cocks, Locking washer and sanitary flange gasket for basin. P. Mueller. 1,556,241; Oct. 6.
Cocks, Safety attachment for gas. L. Brown. 1,556,567; Oct. 6.
Coffee-cooling machine. L. H. Lisk. 1,556,230; Oct. 6.
Coin-controlled machine. P. C. Smith. 1,556,043; Oct. 6.
Coin detector. W. C. Bellows. 1,556,477; Oct. 6.
Coin detector. F. R. Chester. 1,555,910; Oct. 6.
Coin-operated machine. P. C. Smith. 1,556,042; Oct. 6.
Collar supporter. S. L. Gedney. 1,556,517; Oct. 6.
Colter and jointer attachment. J. Schardt. 1,555,881; Oct. 6.
Combination drier. T. A. Garrow. 1,556,096; Oct. 6.
Combination wheel. J. Makant. 1,556,450; Oct. 6.
Compressor, Reciprocating. E. T. Williams. 1,556,059; Oct. 6.
Concrete construction. H. E. Bell. 1,556,066; Oct. 6.
Concrete-floor-form carrier-supporting bracket, Reenforced. P. Lee. 1,556,118; Oct. 6.
Concrete forms, Combined spacing and tie-bar for. J. H. Dodd. 1,556,313; Oct. 6.
Concrete molding, All-metal system for. H. M. Gersman. 1,556,097; Oct. 6.
Concrete structures, Reenforcement system for. K. Kisse. 1,555,989; Oct. 6.
Condenser, Surface. C. L. A. M. Leblanc. 1,556,117; Oct. 6.
Confections and the like, Apparatus for the coating of. G. R. Baker and R. Head. 1,556,195; Oct. 6.
Container. G. E. Roedding. 1,556,353; Oct. 6.
Container and making the same. V. Mauck. 1,556,451; Oct. 6.
Conveyer. G. R. Rody. 1,556,562; Oct. 6.
Conveyer, Endless. C. J. Marshall. 1,555,867; Oct. 6.
Conveying apparatus. G. Hanson and C. A. Nelson. 1,556,438; Oct. 6.
Cooky cutter. G. H. and F. H. Newman. 1,556,019; Oct. 6.
Cooling tower. E. Burhorn. 1,555,827; Oct. 6.
Coupler. J. Barrett. 1,556,476; Oct. 6.
Coupling: *See*—
Automatic coupling.
Coupon. H. E. French. 1,556,515; Oct. 6.
Cream-whipping apparatus. J. G. Kookootsedes. 1,556,445; Oct. 6.
Cry-producing device. E. W. Brückner. 1,556,412; Oct. 6.
Culvert pipe. A. B. B. Harris. 1,555,841; Oct. 6.
Cup: *See*—
Milking-machine teat cup.
Current relay, Alternating. E. O. Thompson. 1,555,893; Oct. 6.
Current-tap socket. M. Herskovitz. 1,556,111; Oct. 6.
Curtain stretcher. H. H. Kreiger. 1,556,527; Oct. 6.
Cutter: *See*—
Cooky cutter. Ensilage cutter.
Cutting metals by the aid of an electric current fed to a rotating cutting disk. O. F. A. E. Grumpelt. 1,556,325; Oct. 6.
Cyanides and their derivatives from the alkali-earth-metal cyanamides, Manufacture of. P. Comment and D. Hatt. 1,555,944; Oct. 6.
Dam. J. W. North. 1,556,157; Oct. 6.
Dam construction. V. H. Cochrane. 1,556,080; Oct. 6.
Davenport. J. A. Dewey. 1,556,086; Oct. 6.
Dehairing animal carcasses, Apparatus and process for. B. E. Hill. 1,556,112; Oct. 6.
Dental anchoring devices, Tool for distending or dilating. H. E. S. Chayes. 1,556,421; Oct. 6.
Dental instruments, Water feed for. C. Tyree. 1,556,181; Oct. 6.
Dental purposes, Molding machine for. G. L. V. and A. L. C. Maes. 1,556,291; Oct. 6.
Derricks, Safety device for drilling. A. A. Brown. 1,556,555; Oct. 6.
Diaphragm, Movable secondary ray. W. E. Hamilton. 1,556,217; Oct. 6.
Direction indicator. F. Siegrist. 1,556,361; Oct. 6.
Direction signal. E. Soulé. 1,556,367; Oct. 6.
Disk, Mill. P. G. Garza. 1,556,323; Oct. 6.
Dispensing apparatus. B. H. McDuffie. 1,556,002; Oct. 6.
Dispensing can. H. G. Kuck. 1,556,150; Oct. 6.
Dispensing device. G. G. Granger. 1,556,437; Oct. 6.
Display box. J. F. Byrne. 1,556,074; Oct. 6.
Display card, Handkerchief-. C. C. Brandenburg. 1,556,484; Oct. 6.
Ditcher. A. G. and A. Ronning. 1,556,549; Oct. 6.
Doll. E. G. Adrian. Des. 68,367; Oct. 6.
Doll's eyes. W. C. Hunter, and F. W. Sims. 1,555,979; Oct. 6.
Dolls, Swivel joint for. O. Gans. 1,556,095; Oct. 6.
Domes for plastic construction, Making. W. M. Goldsmith. 1,556,324; Oct. 6.
Door, Garage. J. Bohnet. 1,556,281; Oct. 6.
Dough-dividing machines. L. Embrey. 1,556,317; Oct. 6.
Dowel-pin-hole-boring machine. G. E. Patterson. 1,556,540; Oct. 6.
Draft equalizer. J. B. Brei, jr. 1,556,283; Oct. 6.
Draft excluder. T. Edwards. 1,556,091; Oct. 6.
Drag or tensioning motion. J. H. Marsh. 1,556,533; Oct. 6.





Drawbar yoke, Forged. S. Hansson. 1,556,219; Oct. 6.
Dress. M. Siegel. Des. 68,405; Oct. 6.
Drier: *See*—
Combination drier. Textile drier.
Lumber drier.
Drill-straightening device. R. Hervig. 1,555,972; Oct. 6.
Drilling mechanism. H. P. Chandler. 1,555,832; Oct. 6.
Drilling or fishing jar and manufacturing same. W. Köler, jr. 1,555,923; Oct. 6.
Drilling rig, Portable. W. R. Hamilton. 1,556,107; Oct. 6.
Drop-dispensing agent. O. Heidemann and M. John. 1,555,852; Oct. 6.
Drying ores, concentrates, and other granular materials, Process of and apparatus for use in. G. Rigg and W. J. McBride. 1,556,250; Oct. 6.
Dye, New ortho-hydroxyazo. O. Kaltwasser, H. Kirchhoff, and H. Oehrn. 1,556,329; Oct. 6.
Dyes, Manufacturing. W. Herzberg and G. Hoppe. 1,556,326; Oct. 6.
Ear-removing device. S. E. and W. W. Morral. 1,556,014; Oct. 6.
Ear-removing device. S. E. and W. W. Morral. 1,556,017; Oct. 6.
Electric circuits, Protective device for. E. R. Stoekle. 1,556,134; Oct. 6.
Electric cookers or toasters, Combination guard and utensil support for. R. G. Ledig. 1,556,288; Oct. 6.
Electric furnace. C. B. Foley. 1,556,212; Oct. 6.
Electric furnace. S. L. Tingley. 1,556,377; Oct. 6.
Electric-lamp bulb, Nonremovable. J. P. Peth. 1,556,342; Oct. 6.
Electric switch. D. D. Gordon. 1,556,102; Oct. 6.
Electric transformer. F. S. Smith. 1,555,885; Oct. 6.
Electrical circuits, Apparatus for measuring power for. P. H. Burkhart. 1,555,908; Oct. 6.
Electrical conductors, Insulated support for. L. Steinberger and G. Hill. 1,555,954; Oct. 6.
Electrodepositing method and aparatus. W. W. McCord. 1,555,866; Oct. 6.
Electrodeposition of rust-resisting coatings, Method and anodes for. C. J. Wernlund. 1,556,271–2; Oct. 6.
Electrolytic process for treating solutions derived from leucitic rocks. U. Pomilio and F. Giordani. 1,556,543; Oct. 6.
Electromagnet. E. C. Smith. 1,556,363; Oct. 6.
Electromagnetic chuck. A. G. Ripberger. 1,555,877; Oct. 6.
Electroplated, Holder for articles to be. F. T. Taylor. 1,555,891; Oct. 6.
Elevator and elevator-truck. A. W. Streeter. 1,556,262; Oct. 6.
Elevator brake. C. E. Kimball. 1,555,987; Oct. 6.
Embossing and shearing machine. W. R. Ecke. 1,556,089; Oct. 6.
Emulsion and making same. J. C. Morrell. 1,556,005; Oct. 6.
Engagement ring. L. G. Theuriet and C. M. Johnson. Des. 68,412; Oct. 6.
Engine: *See*—
Gas engine. Motive-power engine.
Internal-combustion engine. Rotary engine.
Engine starter. J. H. Richards. 1,556,351; Oct. 6.
Engine starter. H. E. Van Ness. 1,556,383; Oct. 6.
Engines, Air purifier and moistener for internal-combustion. L. S. Hayes. 1,556,109; Oct. 6.
Engines, Carburetor for hydrocarbons. J. G. Vincent. 1,556,050; Oct. 6.
Engines, Cylinder cover for internal-combustion. G. Mangold. 1,556,338; Oct. 6.
Engines, Magneto for internal-combustion. D. Y. Wheatley. 1,556,273; Oct. 6.
Engines, Piston for internal-combustion. S. L. G. Knox. 1,555,990; Oct. 6.
Engines, Preparation of a carbureting fuel mixture for internal-combustion. H. Terrisse. 1,556,047; Oct. 6.
Engines, Valve gear for elastic-fluid. A. Caprotti. 1,555,941; Oct. 6.
Ensilage cutter. H. B. Sperry. 1,555,887; Oct. 6.
Envelope machine. J. Stiriss. 1,556,369–70; Oct. 6.
Envelope sealing and stamping machine. G. E. Tifft. 1,556,375; Oct. 6.
Evaporator. S. T. Smith. 1,556,132; Oct. 6.
Excavator, Drag-line. P. Burke. 1,555,906; Oct. 6.
Excavator, Regenerative drag-line. P. Burke. 1,555,907; Oct. 6.
Exercising device. W. Conway. 1,556,493; Oct. 6.
Exhibitor, Changeable. C. A. Livingston. 1,555,861; Oct. 6.
Extracts, infusions, decoctions, and the like, Apparatus for use in making. L. M. Pouget. 1,556,026; Oct. 6.
Extractor: *See*—
Steel extractor.
Eye testing. B. W. King. 1,556,525; Oct. 6.
Fan, Exhaust. H. R. Clarage. 1,556,203; Oct. 6.
Fastener. H. C. Maise. 1,556,233; Oct. 6.
Faucet, Mixing. A. Engel. 1,555,948; Oct. 6.
Fender brace and bumper, Combination rear. A. R. Brocksmith. 1,556,309; Oct. 6.
Fender guard. L. P. Halladay. 1,555,920; Oct. 6.
Film reel. B. Petrowsky. Des. 68,397; Oct. 6.
Filter. W. L. Coop. 1,556,426; Oct. 6.
Finger ring. S. Grossman. Des. 68,375–6; Oct. 6.
Finger ring. S. Kaufman. Des. 68,379; Oct. 6.
Fire arch. H. A. Poppenhusen. 1,556,125; Oct. 6.
Firearms, Loading device for. J. Garay y Silva. 1,556,255; Oct. 6.
Fish-trap apron. W. C. Beckmann. 1,556,401; Oct. 6.
Fishing tool. E. H. McClease. 1,556,530; Oct. 6.
Fishing tool for wells. J. S. Abercrombie and H. L. Cameron. 1,555,811; Oct. 6.
Fixture-supporting device. R. B. Benjamin. 1,555,821–2; Oct. 6.
Flanging machine. C. W. Sievert. 1,556,166; Oct. 6.
Flask: *See*—
Molding flask.
Fleshing machines, Hide-protector attachment for. O. Gerrish. 1,556,214; Oct. 6.
Floor and laying floor. A. C. Denning. 1,555,914; Oct. 6.
Floor and making the same. A. C. Denning. 1,555,913; Oct. 6.
Flooring and making same. C. F. Johnson. 1,555,922; Oct. 6.
Flooring, Expansion joint for composition. E. A. Herr. 1,555,844; Oct. 6.
Flooring, Machine for finishing. E. C. Dittmar. 1,556,087; Oct. 6.
Flotation machine. A. C. Daman. 1,556,083; Oct. 6.
Flushing tank. N. J. Gondolf. 1,556,100; Oct. 6.
Foldable box. N. Warshaw. 1,556,054; Oct. 6.
Folding chair. W. C. Rastetter. 1,556,306; Oct. 6.
Food products, Apparatus for coating. D. R. Bailey. 1,556,472; Oct. 6.
Food substances, Machine for preparing. W. A. Smith. 1,556,365; Oct. 6.
Footwear. P. Y. Smiley. 1,556,167; Oct. 6.
Frame: *See*—
Spectacle frame.
Fraternity pin. C. H. Richey. Des. 68,400; Oct. 6.
Friction drive, Yielding. O. Brisbois. 1,555,939; Oct. 6.
Fruit and for mixing juices, Machine for cutting and pressing. J. E. Allan. 1,555,929; Oct. 6.
Fruit collector. F. Bodine. 1,556,480; Oct. 6.
Fruit juice, Preparing. W. S. Pierce. 1,556,572; Oct. 6.
Furnace: *See*—
Electric furnace. Mortuary furnace.
Furnace. V. R. Chadwick. 1,556,284; Oct. 6.
Furnace. A. Smallwood. 1,556,257; Oct. 6.
Furniture element for shoe fitting. D. F. Hart. 1,556,521; Oct. 6.
Fuse, Automatic. J. Manias. 1,556,534; Oct. 6.
Fuse block. J. H. Allen. 1,555,930; Oct. 6.
Fuse mechanism. J. Menchen. 1,556,561; Oct. 6.
Fuse plug. O. H. Jung. 1,556,444; Oct. 6.
Fuse, Refillable. D. W. Yambert. 1,556,393; Oct. 6.
Game. T. A. Carson. 1,555,909; Oct. 6.
Game. J. D'Orio. 1,556,314; Oct. 6.
Game. R. A. M. Taylor. 1,556,046; Oct. 6.
Garment, Combination. L. Cadieux. 1,556,075; Oct. 6.
Garment fastener. M. V. Brunk. 1,556,485; Oct. 6.
Garment separator. I. Gronauer. 1,556,507; Oct. 6.
Gas engine, Four-cycle. J. Konar. 1,555,991; Oct. 6.
Gate: *See*—
Water gate.
Gate. A. C. Harman. 1,556,520; Oct. 6.
Gauging machine. O. Schlaupitz. 1,555,883; Oct. 6.
Gear-shift levers, Protector foot for. H. E. Mitchell. 1,556,296; Oct. 6.
Gearing, Differential. G. C. Goodhart. 1,556,101; Oct. 6.
Gem mounting. F. B. Wendel. 1,556,465; Oct. 6.
Generating set, Portable. G. B. Coleman. 1,556,492; Oct. 6.
Generator: *See*—
Steam generator.
Glareshield. I. J. Bowman. 1,556,409; Oct. 6.
Glass: *See*—
Reenforced glass.
Glass-molding machine. S. E. Winder and H. C. Daubenspeck. 1,555,897; Oct. 6.
Glazing machine for operating on leather, hides, and the like. A. C. Brill. 1,556,071; Oct. 6.
Golf bag. H. W. Keeler. 1,556,286; Oct. 6.
Golf clubs, Handle or grip for. H. M. Ballou. 1,556,473; Oct. 6.
Golf clubs, Range finder for. L. A. Baugh. 1,556,062; Oct. 6.
Grain carrier. N. Loiselle. 1,555,998; Oct. 6.
Grapple. H. S. Gore. 1,556,103; Oct. 6.
Grate, Chain. A. B. Cox. 1,555,834; Oct. 6.
Grating. A. Becker. 1,556,063; Oct. 6.
Grease injector. J. H. Becker. 1,556,198; Oct. 6.
Grinding apparatus. E. E. Thomas. 1,556,374; Oct. 6.
Grinding device. F. Spangler. 1,556,171; Oct. 6.
Grinding mills, Feed-regulating device for. S. Snyder. 1,555,886; Oct. 6.
Gun, Automatic. A. Küng. 1,556,225; Oct. 6.
Guns, Carriage for antiaircraft. L. V. Benét. 1,556,478; Oct. 6.
Hair clipper. E. R. Krueger. 1,555,924; Oct. 6.
Hair curler. W. H. Pritchett and O. J. Christiansen. 1,556,544; Oct. 6.
Hair-waving device. E. Unger. 1,556,266; Oct. 6.
Hair-waving heater. E. Unger. 1,556,265; Oct. 6.
Halter. J. Silbert. 1,556,362; Oct. 6.

Handling device. J. T. Morrissey. 1,556,240; Oct. 6.
Handsaw, Motor-operated. A. T. Ricard. 1,556,547; Oct. 6.
Headlight. E. Lee. 1,555,995; Oct. 6.
Headlight. N. H. Rice. 1,556,159; Oct. 6.
Headlight for automobiles. J. A. Skoglund. 1,555,888; Oct. 6.
Heater: *See*—
Hair-waving heater. Water heater.
Orchard heater.
Heating unit and making same, Electrical. M. Simon. 1,555,953; Oct. 6.
Heel-building machine. W. H. Albee. 1,556,395; Oct. 6.
Hinge and check, Combined door. A. M. Cohen. 1,556,204; Oct. 6.
Hoist, Slip-drum. C. C. Hansen. 1,555,967; Oct. 6.
Holder. M. E. Feldman. 1,556,514; Oct. 6.
Hose rack and cabinet, Combined. C. Nuhring. 1,556,123; Oct. 6.
Hose supporters, Detachable connecting device for. A. V. Brown. 1,555,903; Oct. 6.
Husking machine. S. E. and W. W. Morral. 1,556,015; Oct. 6.
Husking machine, Corn-. S. E. and W. W. Morral. 1,556,016; Oct. 6.
Hydraulic mechanism. J. Robson. 1,556,033; Oct. 6.
Ice-cream cabinet. E. V. Garrett. 1,556,516; Oct. 6.
Incubator. A. L. Kiss. 1,555,988; Oct. 6.
Indicator: *See*—
Direction indicator.
Ink reservoir for pens, Adjustable. J. M. Quicke. 1,556,545; Oct. 6.
Insecticide. W. L. Owen. 1,555,951; Oct. 6.
Insulator units, Connecting. F. H. Reagan. 1,556,029; Oct. 6.
Insulators and the like, Press for making. R. L. Hibbard. 1,556,440; Oct. 6.
Insulators, Making. A. Bültemann. 1,555,940; Oct. 6.
Internal-combustion engine. A. H. Fox. 1,556,506; Oct. 6.
Iron by electrolytic means, Plant to manufacture. A. Boucher. 1,556,408; Oct. 6.
Isobornyl esters, Making. J. Ebert. 1,555,947; Oct. 6.
Jack: *See*—
Lifting jack. Screw jack.
Joints, Wrench for pipe and tool. R. D. Hill. 1,556,220; Oct. 6.
Joist bridging. W. C. Burrell. Re16,183; Oct. 6.
Journal box and bearing. J. G. Smith. 1,556,258; Oct. 6.
Journal-box assembly. M. W. Hollingsworth. 1,555,974; Oct. 6.
Keyless lock. A. G. Hatch. 1,555,969; Oct. 6.
Keyless locks, Casing for. A. G. Hatch. 1,555,970; Oct. 6.
Kiln for drying as well as for carbonizing solid carbonaceous or the like materials, Annular. O. Dobbelstein and H. Hess. 1,556,571; Oct. 6.
Kilns, Construction and operation of tunnel. R. W. Steere. 1,556,260; Oct. 6.
Lace. S. H. Page. Des. 68,395–6; Oct. 6.
Lamp base. J. Mandel. Des. 68,386–9; Oct. 6.
Lamp, cigar lighter, and inkstand, Combined desk. S. E. Guinn. Des. 68,377; Oct. 6.
Lamp, Fernery. L. Larsen. Des. 68,381; Oct. 6.
Lamp fixture, Incandescent-electric-. C. H. Bissell. 1,556,403; Oct. 6.
Lamp for sewing machines, etc., Portable. F. E. Becka. 1,555,820; Oct. 6.
Lamp holder, Dirigible. E. S. Parmenter. 1,555,874; Oct. 6.
Lamp shade. G. A. Lippincott. Des. 68,383; Oct. 6.
Lamp socket with timing device. C. F. Norden. 1,556,246; Oct. 6.
Lamp, Variable-color. W. D. Smith. 1,556,170; Oct. 6.
Lamps, Shock absorber for vehicle. C. H. Brady. 1,555,902; Oct. 6.
Laundry articles, Marking machine for. L. S. Smith, jr. 1,556,168; Oct. 6.
Lawn and hedge shears, Convertible. J. W. Wilkinson. 1,556,188; Oct. 6.
Leather-working machine. J. H. Walcott. 1,556,051; Oct. 6.
Lens-cleaning process. C. H. Ohlwiler. 1,556,248; Oct. 6.
Lens, Headlight. H. M. Patch. 1,556,158; Oct. 6.
Lens-testing instrument. E. D. Tillyer. 1,556,550; Oct. 6.
Lifeboat tackle. A. P. Schat. 1,555,882; Oct. 6.
Lifter: *See*—
Pan and plate lifter.
Lifting jack. C. G. Harris. 1,555,842; Oct. 6.
Light shield. D. E. Cody. 1,556,081; Oct. 6.
Lighting bowl. C. B. MacDougall. Des. 68,384; Oct. 6.
Lighting fixture. J. W. Gosling. Des. 68,373–4; Oct. 6.
Lighting-fixture arm. M. B. Bowen. Des. 68,370; Oct. 6.
Lighting-fixture arm. H. Tepfer. Des. 68,411; Oct. 6.
Lighting fixtures or similar articles, Column for. F. M. Poritz. Des. 68,398–9; Oct. 6.
Lignite, Dehydrated. E. P. Schoch. 1,556,036; Oct. 6.
Liquid meter. W. G. Wall. 1,556,186; Oct. 6.
Liquid-treating system. V. A. Bohlin. 1,556,034; Oct. 6.
Liquids, Automatic mechanism for raising. S. M. Greenidge. 1,555,963; Oct. 6.
Lock: *See*—
Clutch lock. Safe lock.
Keyless lock. Trunk lock.
Pin-tumbler lock. Window lock.
Lock. W. J. Carroll. 1,555,829–30; Oct. 6.
Lock. C. W. Lanphere. Des. 68,380; Oct. 6.
Lock. G. Trejo. 1,556,380; Oct. 6.
Lockup device. S. Stephens. 1,555,890; Oct. 6.
Loom reed, Wire-cutting block for. I. Andrews. 1,556,470; Oct. 6.
Looms, Heddle-disconnecting means for plush. L. J. Ludwig. 1,555,862; Oct. 6.
Looms, Shuttle-box tension-controlling mechanism for. C. H. Draper and J. Northrop. 1,556,207; Oct. 6.
Looms, Shuttle-box tension-controlling mechanism for. J. Northrop. 1,556,247; Oct. 6.
Looms, Starting gauge for. J. F. Way. 1,556,386; Oct. 6.
Loud speakers, holder for miniature. I. H. Fishelov. 1,556,010; Oct. 6.
Lug box. E. T. Dyson. 1,556,145; Oct. 6.
Lumber drier. J. A. Craig. 1,555,835; Oct. 6.
Machine tool. K. Hoepfner. 1,556,146; Oct. 6.
Magnesium, Melting and pouring. H. E. Bakken. 1,555,956; Oct. 6.
Magnifier. B. W. King. 1,556,510; Oct. 6.
Mail delivering and receiving device, Railway. F. W. R. Poekert. 1,556,305; Oct. 6.
Mail matters, Machine for marking or canceling. G. A. Hansen. 1,556,218; Oct. 6.
Manicure device. S. A. Hoge. 1,555,973; Oct. 6.
Metal-cutting machine. A. Krebs. 1,555,992; Oct. 6.
Metal cuttings, System for disposing of. A. G. Ripberger. 1,556,161; Oct. 6.
Metal stock. A. M. Hunt. 1,555,978; Oct. 6.
Metal wheel and making same. A. M. Ford. 1,555,958; Oct. 6.
Metallic bodies, Method of and apparatus for baking coatings on. J. Ledwinka. 1,555,860; Oct. 6.
Meter: *See*—
Chart-recording meter. Liquid meter.
Milking-machine teat cup. H. E. Kjestrup. 1,556,559; Oct. 6.
Mill: *See*—
Rolling mill. Wash mill.
Minnow, Artificial. J. W. Moore. 1,556,297; Oct. 6.
Moistening apparatus. E. F. Hodgkins 1,555,846; Oct. 6.
Mold. E. M. Rust. 1,555,878; Oct. 6.
Moldboard. F. Wencel. 1,556,464; Oct. 6.
Molding flask. J. A. Sperry. 1,556,368; Oct. 6.
Mortuary furnace. H. E. Brett. 1,555,938; Oct. 6.
Motive-power engine. S. D. Olsen. 1,556,300; Oct. 6.
Motor: *See*—
Outboard motor. Phonograph motor.
Motor. F. Ruzicka. 1,555,879; Oct. 6.
Motors, Attachment for interial-combustion. M. W. Carroll. 1,556,417; Oct. 6.
Multiplane, Tandem. T. R. MacMechen. 1,556,360; Oct. 6.
Musical instruments, Chord indicator for. A. W. Johnson, and H. Meeker, jr. 1,556,147; Oct. 6.
Needle-thread pull-off means. G. L. Summers. 1,556,458; Oct. 6.
Nest and egg chute. E. Lahlère. 1,556,330; Oct. 6.
Nest appliance. H. A. Steffen. 1,556,456; Oct. 6.
Nitrogen, Fixing. J. C. Clancy. 1,556,202; Oct. 6.
Nozzle, Syringe. E. B. Simpson. 1,556,041; Oct. 6.
Nutcracker. F. B. Cook. 1,556,424; Oct. 6.
Nut, Safety. A. Szabo and P. Balogh. 1,556,177; Oct. 6.
Nuts, Machine for removing skins of. J. D. Pirtle. 1,556,025; Oct. 6.
Odometer and speedometer, Combined. J. K. Olsen. 1,556,341; Oct. 6.
Oil, Apparatus for treating. L. C. Huff. 1,555,976; Oct. 6.
Oil burner. F. Henneböhle. 1,555,855; Oct. 6.
Oil burner. K. L. Riley. 1,555,876; Oct. 6.
Oil burner. J. F. Sutterfield. 1,556,263; Oct. 6.
Oil can. A. E. Fee. 1,556,513; Oct. 6.
Oil-can operator. J. H. Cockrell. 1,555,911; Oct. 6.
Oil composition. J. A. Young. 1,555,899; Oct. 6.
Oil-salvaging means. D. Aspinall. 1,555,814; Oct. 6.
Oils, Recovering. V. S. Allen. 1,556,396; Oct. 6.
Oiler, Spring. F. Thill. 1,556,460; Oct. 6.
Orchard heater. H. F. Congable. 1,556,144; Oct. 6.
Ore classifier. A. C. Damman. 1,556,084; Oct. 6.
Ores, concentrates, tailings, or the like, Treating tin. A. A. Lockwood. 1,556,449; Oct. 6.
Ores to metallic state, Reducing oxide. Y. A. Dyer. 1,556,316; Oct. 6.
Ornament. A. L. Hamilton. 1,556,106; Oct. 6.
Outboard motor. A. J. Machek. 1,556,232; Oct. 6.
Oven-door catch. H. Moecker, jr., O. Hammermeister, and T. Thompson. 1,556,453; Oct. 6.
Packaged goods according to weight difference, Separating. A. R. Thompson. 1,556,048; Oct. 6.
Packages, Wrapping. C. S. Weeks. 1,556,056; Oct. 6.
Packaging mechanism. J. Peterson and J. C. Thom. 1,556,023; Oct. 6.
Packing, Header for compressing. H. P. Rhodes. 1,556,031; Oct. 6.





Packing rings, Molding reenforced. G. Christenson. 1,556,422; Oct. 6.
Pad: *See*—
Truss pad.
Pan and plate lifter. J. Hofstede. 1,556,113; Oct. 6.
Paper. R. L. Marwede. Des. 68,390; Oct. 6.
Paper-dispensing apparatus, Roll-. W. B. Collins. 1,556,205; Oct. 6.
Paper, Manufacture of wall. E. G. Staunton. 1,555,889; Oct. 6.
Paper-pasting machine. W. L. Taylor. 1,555,892; Oct. 6.
Paper roll, Wall-. H. A. Fauteux. 1,555,950; Oct. 6.
Paper weight. H. P. boos. Des. 68,369; Oct. 6.
Parcel carrier. J. M. Lewis. 1,556,228; Oct. 6.
Pathfinder. A. de Paemelaere. 1,556,557; Oct. 6.
Pen-filling device. J. Gillies. 1,556,518; Oct. 6.
Petroleum emulsions, Treating. W. S. Barnickel. 1,555,818; Oct. 6.
Phonograph motor. C. Schwartz. 1,556,359; Oct. 6.
Photographic and projecting instrument. G. Griffith. 1,556,216; Oct. 6.
Photographic and projection system for obtaining stereoscopic effects. E. H. Wright. 1,556,566; Oct. 6.
Piano construction, Pneumatic-. C. E. Peterson. 1,556,249; Oct. 6.
Pianos and the like, Illuminating means for player. V. Ceci. 1,556,419; Oct. 6.
Picture device, Motion-. G. W. Bingham. 1,555,824; Oct. 6.
Picture films, Device for treating motion-. V. C. de Ybarrondo. 1,555,957; Oct. 6.
Picture machine, Motion-. H. F. Burk and G. W. Gustafson. 1,555,828; Oct. 6.
Pin: *See*—
Safety pin.
Pin-tumbler lock. J. J. Murphy. 1,556,242; Oct. 6.
Pineapples and the like, Machine for cutting and sorting. R. P. Waren, H. E. Essmann, and C. D. Nitchman. 1,556,053; Oct. 6.
Pipe: *See*—
Culvert pipe. Smoking pipe.
Pipe connection. F. E. White. 1,556,058; Oct. 6.
Pipe or flue expander. H. E. Williams. 1,556,387; Oct. 6.
Pipe wrench. N. K. Smith. 1,556,169; Oct. 6.
Piston ring. J. R. Davis. 1,556,312; Oct. 6.
Piston ring, Metallic. J. R. W. Gregg. 1,556,104; Oct. 6.
Piston rings and the like, Grooving. G. H. Higgins. 1,555,853; Oct. 6.
Plane. E. A. Schade. Des. 68,402; Oct. 6.
Plant-setting implement. G. J. Beckerman. 1,556,065; Oct. 6.
Plant support. H. Thoeni. 1,556,373; Oct. 6.
Plaster board and the like, Forming. J. Schumacher. 1,556,164; Oct. 6.
Plaster board, Interlocking. F. H. Blanchard. 1,556,554; Oct. 6.
Plaster board, Reenforced. J. Schumacher. 1,556,163; Oct. 6.
Plastic. W. Hoskins. 1,556,115; Oct. 6.
Plastic and other materials, Steam-operated apparatus and process for mixing and applying. J. E. Shepherd. 1,556,252; Oct. 6.
Plating apparatus, Mechanical. J. G. Swain and M. H. Fade. 1,556,045; Oct. 6.
Plow. C. S. and M. P. Hentzell. 1,556,508; Oct. 6.
Plow, Simplex tractor. T. B. Conradt. 1,555,833; Oct. 6.
Plow, Tractor. J. G. Stephenson. 1,556,173; Oct. 6.
Plug, Test. W. Leverich. 1,555,996; Oct. 6.
Plumbing fixture, Combination. A. A. Walsh. 1,556,565; Oct. 6.
Pole support. F. Cuttle and H. E. De Nyse. 1,555,945; Oct. 6.
Polishing machine. T. McConnell. 1,555,865; Oct. 6.
Polishing materials, Device for applying. J. A. Thorburn. 1,556,563; Oct. 6.
Post topper. F. J. Davy and J. T. Nemacheck. 1,556,430; Oct. 6.
Power-transmission mechanism, Flexible. C. Brown. 1,556,411; Oct. 6.
Power, Wave transmission of. R. G. Hanson. 1,556,439; Oct. 6.
Press. E. F. Hulbert. 1,555,977; Oct. 6.
Priming-rod antirattler. F. G. Withrow. 1,556,190; Oct. 6.
Printing-press attachment. H. A. Agricola, jr. 1,555,812; Oct. 6.
Printing press with front delivery, Stop-cylinder. F. O. v. Traitteur. 1,556,379; Oct. 6.
Printing presses, folding machines, and the like, Paper-feeding apparatus for. M. G. W. Koenig. 1,556,116; Oct. 6.
Propeller. A. Flettner. 1,556,012; Oct. 6.
Proteins or other colloidal material, Sterilizing. C. A. Mills. 1,556,120; Oct. 6.
Puller: *See*—
Spike puller.
Pulley construction. T. Olinger. 1,555,872; Oct. 6.
Pump jacks, Bearing saddle for. F. H. Barney and W. J. Gourley. 1,556,475; Oct. 6.
Pump, Lubricating oil. O. Hajek and E. Blauhorn. 1,556,479; Oct. 6.
Pumps, Indicator for measuring. C. W. Mensing. 1,555,926; Oct. 6.
Push-button switch. T. A. Both. 1,556,069; Oct. 6.
Puzzle or game, Spelling. G. H. Johnson. 1,555,980; Oct. 6.
Rack: *See*—
Serving rack. Shoe rack.
Racket, Metallic. F. W. Gower, H. J. Owen, and R. J. Nash. 1,556,558; Oct. 6.
Radiant energy, System for control of moving bodies by. J. H. Hammond, jr. Re16,181; Oct. 6.
Radiator control, Thermostatic. C. C. McDermott. 1,556,119; Oct. 6.
Radiator, Electric steam. A. Clark. 1,556,491; Oct. 6.
Radiators, Indicator for. E. C. Walker. 1,556,185; Oct. 6.
Radio apparatus, Cushion for headpieces of. T. F. Morrissey. 1,555,928; Oct. 6.
Radiodial. O. B. Carson. Des. 68,371; Oct. 6.
Radio loud speaker and lamp support, Combined. H. C. Maibohm. Des. 68,385; Oct. 6.
Radio receiving sets, Cabinet for. H. Waterson. Des. 68,417; Oct. 6.
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Radiosignaling, Method and apparatus for. R. A. Weagant. 1,556,137; Oct. 6.
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Recording device. H. Deutsch. 1,556,499; Oct. 6.
Reenforced glass. J. C. Smith. 1,556,364; Oct. 6.
Reenforcing bars, Support and spacer for. H. H. Lampert. 1,556,151; Oct. 6.
Refrigerating apparatus, Compressor for. J. J. Shively. 1,556,040; Oct. 6.
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Refrigerator. J. R. Murphy and W. R. Streb. 1,556,007; Oct. 6.
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Refrigerator display counter. A. H. Ehrlich. 1,556,092; Oct. 6.
Resilient wheel. F. H. Nierman. 1,556,156; Oct. 6.
Retort, Rotating. F. S. Bacon. 1,556,194; Oct. 6.
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Rim. C. S. Meservey. 1,556,536; Oct. 6.
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Road machine for snow. W. Lloyd. 1,556,448; Oct. 6.
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Rosin compound and producing same. H. S. Mills. 1,556,237; Oct. 6.
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Safe lock. C. A. Fowler. 1,556,434; Oct. 6.
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92: 1,556,364
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56— 479: 1,555,998
58— 61: 1,556,184
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62— 37: 1,556,548
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115: 1,556,009
71— 62: 1,556,540
72— 25: 1,556,554
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73— 28: 1,556,186
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137: 1,556,317
74— 5: 1,556,475
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1,556,383
33: 1,556,182
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75— 1: 1,555,956
1,555,959
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41: 1,556,333
76— 5: 1,556,213
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83— 3: 1,556,323
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87— 9: 1,555,899
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88— 2.3: 1,556,062
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19.3: 1,555,828
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39: 1,556,510
53: 1,556,371
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89— 1: 1,556,225
37: 1,556,478
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91— 2: 1,556,472
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97— 47: 1,556,173
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112— 32: 1,556,226
137: 1,556,287
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242: 1,556,458
113— 59: 1,556,404
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114— 21: R. 16,181
115— 17: 1,556,232
116— 33: 1,556,035
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285— 30: 1,556,241
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305— 7: 1,556,450
308— 174: 1,556,258
224: 1,556,024

# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abraham & Straus, Inc., New York, N. Y. Games, bows and arrows, boxing gloves, etc. 204,212; Oct. 13; Serial No. 186,096; published July 21, 1925.

Abraham & Straus, Inc., New York, N. Y. Children's play clothes. 204,346; Oct. 13.

Absorbent Linen Corporation, Boston and Taunton, Mass. Fibrous material for use in treatment of the human body. 204,292; Oct. 13; Serial No. 214,347; published July 21, 1925.

Ace Clip Company. (See Winks, John O.)

Acfield, Claude R., New York, N. Y. Splint for treatment of hammer toes. 204,315; Oct. 13; Serial No. 213,342; published July 21, 1925.

Adgar, Joe, Oakland, Calif. Corn remedy. 204,274; Oct. 13; Serial No. 210,774; published July 21, 1925.

Aero-Gas Company, The, Cincinnati, Ohio. Chemical preparation for intensifying gasoline fuel for motor cars, etc. 204,322; Oct. 13; Serial No. 203,099; published July 21, 1925.

All Clear Windshields, Inc., Fall River, Mass. Windshield cleaners. 204,320; Oct. 13; Serial No. 205,108; published Aug. 4, 1925.

Alling & Cory Company, The, Pittsburgh, Pa. Bond paper. 204,871; Oct. 13.

Alongshore Toy Manufactory. (See Vinal, Charles H.)

Alperin, M., & Sons, Inc., Memphis, Tenn. Hosiery and underwear. 204,169; Oct. 13; Serial No. 208,216; published June 16, 1925.

American Cleaner Products Corporation, Princeton, Ind. Cleaner, polisher, etc., for varnish, paint, and enamel. 204,848; Oct. 13.

American Emery Wheel Works, Providence, R. I. Abrasive grains and grinding wheels. 204,321; Oct. 13; Serial No. 203,555; published Feb. 3, 1925.

American Grinding Company. (See Keeler, Fred E.)

American Katalite Corporation, Brooklyn, N. Y. Chemical solution to facilitate combustion. 204,243; Oct. 13; Serial No. 214,093; published July 21, 1925.

American News Co., Inc., The, New York, N. Y. Library outfit. 204,186; Oct. 13; Serial No. 207,440; published July 21, 1925.

American Refractories Co., Los Angeles, Calif. Building material, refractory brick, and tile. 204,218; Oct. 13; Serial No. 213,056; published July 21, 1925.

Anchor Stove & Range Company, Incorporated, New Albany, Ind., and Louisville, Ky. Stoves and ranges. 46,502; renewed Sept. 26, 1925.

Ansco Photoproducts, Inc., Binghamton, N. Y. Sensitized photographic materials, particularly film. 204,227; Oct. 13; Serial No. 212,361; published July 21, 1925.

Arti Aktiengesellschaft vormals Farbwerk Emil Jansen & Co., Barmen, Germany. Dyes. 204,281; Oct. 13; Serial No. 214,704; published July 14, 1925.

Aunt Jemima Mills Company. (See Topeka Milling Company, The, assignor.)

Battle Creek Food Company, The. (See Kellogg, John H., assignor.)

Baumann, Ludwig, & Co., New York, N. Y. Radio receiving sets. 204,231; Oct. 13; Serial No. 211,775; published June 9, 1925.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 204,239; Oct. 13; Serial No. 214,773; published July 21, 1925.

Best & Co., Inc., New York, N. Y. Handkerchiefs. 204,370; Oct. 13.

Biberman Brothers, Inc., Philadelphia, Pa. Women's dresses. 204,240; Oct. 13; Serial No. 214,705; published July 21, 1925.

Bill, Bell & Co.; Bill, Bell & Co. Inc., Ogdensburg, N. Y., successor. Wheat flour. 46,418; renewed Sept. 19, 1925.

Blumenthal, Edwin M., doing business as Sonoma Malt Extract Co., Chicago, Ill. Malt extract. 204,875; Oct. 13.

Bockin, William P., doing business as Freeport Metal Products Mfg. Co., Freeport, N. Y. Rotating game of chance for use in amusement parks. 204,248; Oct. 13; Serial No. 213,687; published July 21, 1925.

Boehringer, C. H., Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Medicinal and pharmaceutical preparations, etc. 204,325; Oct. 13; Serial No. 168,006; published July 21, 1925.

Borgfeldt, Geo., & Co., New York, N. Y. Dolls, toy figures, and mechanical toys. 204,241; Oct. 13; Serial No. 214,121; published July 21, 1925.

Brigham-Hopkins Company, Baltimore, Md. Straw hats. 46,822; renewed Oct. 10, 1925.

Brittain, John S., Dry Goods Co., St. Joseph, Mo. Gloves and hosiery. 26,930; renewed Aug. 13, 1925.

Brownley, Walter, assignor to Brownley's Inc., Washington, D. C. Candy. 46,254; Renewed Sept. 12, 1925.

Buckley, W. K., Limited, Toronto, Ontario, Canada. Remedies for bronchitis, flu, coughs, blood disorders, etc. 204,259; Oct. 13; Serial No. 211,457; published July 21, 1925.

Bulova Watch Company, Inc., New York, N. Y. Watchcases. 204,350; Oct. 13.

Bushnell, D. I., & Co., St. Louis, Mo. Timothy seed. 45,421; renewed Aug. 15, 1925.

Bussing, Charles L., New York, N. Y. Report-card holders made of metal. 204,170; Oct. 13; Serial No. 208,221; published July 21, 1925.

C. & S. Hat and Frame Co., Los Angeles, Calif. Ladies' hats. 204,311; Oct. 13; Serial No. 213,765; published July 14, 1925.

C. Shepard Eaton Company. (See Eaton, Ruth C.)

Cadet Knitting Company, Philadelphia, Pa. Hosiery and sweaters. 204,337; Oct. 13.

California Fig Syrup Co., San Francisco, Calif., assignor to Sterling Products (Incorporated), Wheeling, W. Va. Liquid purgative compounds. 46,827; renewed Oct. 10, 1925.

Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Condensed soups. 48,461; renewed Jan. 2, 1926.

Canadian Manufacturing Company. (See Eckels, Helen B.)

Capital City Dairy Company, The, assignor to The Capital City Products Company, Columbus, Ohio. Oleomargarine. 46,157; renewed Sept. 5, 1925.

Carnrick, G. W., Co., New York, N. Y. Endocrine stimulant to the formation of red blood cells. 204,167; Oct. 13; Serial No. 208,039; published Feb. 24, 1925.

Caro & Company Inc., New York, N. Y. Ladies' kimonas, house dresses, house aprons, etc. 204,257; Oct. 13; Serial No. 212,320; published June 23, 1925.

Cashin, W. D., Co., Boston, Mass. Traps for handling either steam or water valves, low-pressure automatic boiler feeders, and damper regulators. 204,223; Oct. 13; Serial No. 212,670; published July 21, 1925.

Casseus, Auguste, Paris, France. Medicine for anæmia and tuberculosis and used in convalescence, debility, and growth. 204,287; Oct. 13; Serial No. 214,584; published July 21, 1925.

Central Minn. Power & Milling Co., The, Sauk Center, Minn. Wheat flour. 204,286; Oct. 13; Serial No. 153,340; published Mar. 10, 1925.

Central Scientific Company, Chicago, Ill. Appliances for measuring surface tension. 204,216; Oct. 13; Serial No. 213,224; published July 21, 1925.

Central States Coal Company, The, Toledo, Ohio. Coal. 204,314; Oct. 13; Serial No. 213,368; published July 21, 1925.

Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft, Grunau, near Berlin, Germany. Medicinal preparations for anæmia, tuberculosis, etc. 204,168; Oct. 13; Serial No. 208,040; published July 21, 1925.

Children's Clinical Laboratory. (See Vaughan, Robert J.)

Church & Dwight Company, assignor to Church & Dwight Company, New York, N. Y. Carbonating powder. 47,448; renewed Nov. 7, 1925.

Church & Dwight Company, assignor to Church & Dwight Company, New York, N. Y. Bicarbonate of soda, saleratus, and baking powder. 47,946; renewed Nov. 28, 1925.

Church & Dwight Company, assignor to Church & Dwight, New York, N. Y. Saleratus, bicarbonate of soda, and sal soda. 47,947; renewed Nov. 28, 1925.

Cincinnati Soap Company, The, Cincinnati, Ohio. Toilet soap. 45,879; renewed Aug. 29, 1925.

Claasz, Prof. Dr. Max, Munich, Germany. Antiseptic wound-healing preparation. 204,245; Oct. 13; Serial No. 213,954; published July 21, 1925.

Clapp, Otis, & Son, Inc., Boston, Mass. Saline laxative. 204,285; Oct. 13; Serial No. 214,610; published July 14, 1925.

Clegg, William F., doing business as W. F. Clegg Cigar Company, Greensboro, N. C. Cigars. 204,235; Oct. 13; Serial No. 215,437; published July 21, 1925.

Cluett, Peabody & Co. Inc., Troy, N. Y. Dress and negligee shirts. 204,278; Oct. 13; Serial No. 211,978; published July 21, 1925.

Coe, Lee L., Pleasanton, Kans. Compound for killing trees and sprouts. 204,280; Oct. 13; Serial No. 214,709; published July 14, 1925.

Coes Wrench Co., Worcester, Mass. Adjustable screw wrenches. 46,548; renewed Sept. 26, 1925.

Coes Wrench Co., Worcester, Mass. Adjustable screw wrenches. 47,177; renewed Oct. 31, 1925.

Colwell Pharmacal Corporation, New York, N. Y. Endocrine products. 204,258; Oct. 13; Serial No. 211,518; published July 21, 1925.

Cortland Welding Compound Co., Cortland, N. Y. Welding compounds. 45,443; renewed Aug. 22, 1925.
Cortland Welding Compound Co., Cortland, N. Y. Chemical welding compound. 45,476; renewed Aug. 22, 1925.
Cortland Welding Compound Co., Cortland, N. Y. Welding compounds. 45,477; renewed Aug. 22, 1925.
Coty, Inc., Wilmington, Del., and New York, N. Y. Perfumes, toilet waters, face powders, etc. 204,179; Oct. 13; Serial No. 210,785; published July 14, 1925.
Cox Corporation, Newark, N. J., and Wilkes-Barre, Pa. Vehicle bumpers. 204,225; Oct. 13; Serial No. 212,481; published July 14, 1925.
Cream Store, Inc., The, Portland, Oreg. Candies. 204,224; Oct. 13; Serial No. 212,595; published June 23, 1925.
Crystal Chemical Company, Inc., The, New York, N. Y. Preparation for coughs, etc. 204,310; Oct. 13; Serial No. 213,771; published June 23, 1925.
D. W. Fuse Co., Providence, R. I. Electric safety fuses. 48,439; renewed Dec. 26, 1925.
Dad's Corn Plaster. (See Hughes, W. W.)
Danbury Pharmacal Company, The; The Kerr Chemical Company, Danbury, Conn., successor. Manufactured substitute for cod-liver oil. 46,641; renewed Sept. 26, 1925.
De Long Hook & Eye Company, The, assignor to The De Long Hook & Eye Company, Philadelphia, Pa. Hooks and eyes. 45,877; renewed Aug. 29, 1925.
Dental Laboratory Products Company, Washington, D. C. Dental preparation for the gums. 204,279; Oct. 13; Serial No. 214,784; published July 21, 1925.
Deshell Laboratories, Inc., Los Angeles, Calif. Bottles containing a compound of medicinal oil and agar agar. 204,318; Oct. 13; Serial No. 208,284; published July 21, 1925.
Detroit Dental Manufacturing Company, Detroit, Mich. Dental medicines and preparations. 204,261; Oct. 13; Serial No. 210,715; published July 21, 1925.
Dodwell & Company, Ltd., New York, N. Y. Cement. 204,331; Oct. 13.
Donk Brothers Coal & Coke Company, St. Louis, Mo. Bituminous coal. 204,378; Oct. 13.
Dubilier Condenser & Radio Corporation, New York, N. Y. Electrical filters and combined electrical filters and rectifiers. 204,342; Oct. 13.
Dueber Watch Case M'fg Co., The, assignor to The Dueber-Hampden Watch Company, Canton, Ohio. Watchcases and watch movements. 45,596; renewed Aug. 22, 1925.
Dunne, Frank L.; F. L. Funne & Co., Boston, Mass., and New York, N. Y., successors. Men's outer clothing. 25,564; renewed Dec. 4, 1924.
Eagle Knitting Mills, Philadelphia, Pa. Ties and scarfs. 204,236; Oct. 13; Serial No. 214,949; published July 21, 1925.
Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Lead pencils. 44,922–3; renewed Aug. 1, 1925.
Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Lead pencils. 44,925; renewed Aug. 1, 1925.
Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Penholders. 44,926; renewed Aug. 1, 1925.
Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Lead pencils. 45,700; renewed Aug. 29, 1925.
East Side Packing Company, East St. Louis, Mo. Ham and bacon. 204,334; Oct. 13.
Eaton, Ruth C., doing business as C. Shepard Eaton Company, Cincinnati, Ohio. Prepared flours, flavoring extracts, etc. 204,187; Oct. 13; Serial No. 173,883; published Aug. 12, 1924.
Eckels, Helen B., doing business as Canadian Manufacturing Company, Philadelphia, Pa. Brake or transmission bands. 204,316; Oct. 13; Serial No. 210,050; published July 21, 1925.
Economy Supply and Equipment Company, Ventnor City, N. J. Water grates. 204,340; Oct. 13.
Educational Service, Inc., Cleveland, Ohio. Drawing instruments and materials. 204,173; Oct. 13; Serial No. 209,283; published May 5, 1925.
Enterprise Trading Corporation, New York, N. Y. Liquid refreshment mixers in form of metal cups. 204,175; Oct. 13; Serial No. 209,726; published July 21, 1925.
Evansville Metal Bed Co., Evansville, Ind. Metal beds and cribs, spring beds, cots, etc. 204,327; Oct. 13.
Farrand, Clair L., Forest Hills, N. Y. Radio receiving sets, etc. 204,191; Oct. 13; Serial No. 196,053; published July 21, 1925.
Ferry Hat Manufacturing Company, New York, N. Y. Felt hats (for men). 204,232; Oct. 13; Serial No. 211,739; published July 7, 1925.
Flintkote Company, The, Boston, Mass. Roofing shingles. 204,309; Oct. 13; Serial No. 213,779; published July 21, 1925.
Ford, J. B., Company, The, Wyandotte, Mich. Paint and enamel remover. 204,382; Oct. 13.
Foster-Milburn Co., Buffalo, N. Y. Specific for kidney and analogous complaints. 45,864; renewed Aug. 29, 1925.
Foster-Milburn Co., Buffalo, N. Y. Laxatives. 46,552; renewed Sept. 26, 1925.
Fox & Fur Farmers Supply Company, Detroit, Mich. Insect powder and mange oil. 204,196; Oct. 13; Serial No. 197,805; published July 21, 1925.
Fox Paper Company, The, Lockland, Ohio. Sulphate and sulphite wrapping paper. 204,330; Oct. 13.
Franklin Simon & Co., Inc., New York, N. Y. Perfumes and hygienic products, etc. 204,272; Oct. 13; Serial No. 212,792; published July 21, 1925.
Freed-Eisenmann Radio Corporation, Brooklyn, N. Y. Complete radio receiving sets. 204,344; Oct. 13.
Freeport Metal Products Mfg. Co. (See Bockin, William P.)
Fulton, David H., & Bro., Baltimore, Md. Pain pills. 204,249; Oct. 13; Serial No. 218,562; published July 21, 1925.
General Cigar Co., Inc., New York, N. Y. Cigars. 204,265; Oct. 13; Serial No. 214,657; published July 21, 1925.
Gilbert & Co., Inc., New York, N. Y. Compact cases, vanity purses, finger rings, etc. 204,203; Oct. 13; Serial No. 205,750; published June 9, 1925.
Gillespie, Chas. H., & Sons, assignor to Gillespie Varnish Company, Jersey City, N. J. Liquid driers. 46,381; renewed Sept. 19, 1925.
Glossila Chemical Co. (See Manley, G. T.)
Goodyear Tire & Rubber Company, The, Akron, Ohio. Golf balls. 204,324; Oct. 13; Serial No. 196,740; published July 21, 1925.
Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Bedsteads. 204,366; Oct. 13.
Greif-Werke vormals Deutsche Bürobedarfsgesellschaft Bruer & Co., Goslar, Germany. Multiplying apparatus and accessories. 204,199; Oct. 13; Serial No. 200,356; published June 2, 1925.
Gurney Heater Manufacturing Company, Boston, Mass. Boilers. 46,423; renewed Sept. 19, 1925.
Gurney Heater Manufacturing Company, Boston, Mass. Steam and hot-water boilers for heating apparatus. 47,330; renewed Oct. 31, 1925.
Hanifen, John E., Company, Philadelphia, Pa. Underwear. 204,222; Oct. 13; Serial No. 212,808; published June 30, 1925.
Hanifen, John E., Company, Philadelphia, Pa. Men's, women's, and children's underwear. 204,271; Oct. 13; Serial No. 212,810; published July 21, 1925.
Harper, Martha M., Rochester, N. Y. Hair tonic, astringents, face powder, etc. 204,392; Oct. 13.
Heine & Co., New York, N. Y. Essential oils suitable for perfumery purposes. 204,250–2; Oct. 13; Serial Nos. 213,502–4; published July 21, 1925.
Henry, Thomas, & Sons, Inc., Philadelphia, Pa. Elastic surgical bandages and supporters. 204,194; Oct. 13; Serial No. 197,228; published July 21, 1925.
Hewitt, Cooper, Electric Company, Hoboken, N. J. Mercury switches. 204,345; Oct. 13.
Hilgen Manufacturing Company, Cedarburg, Wis. Millwork. 204,377; Oct. 13.
Hillerich, J. F., and Son; Hillerich & Bradsby Co., Louisville, Ky., successor. Baseball bats. 25,510; renewed Nov. 13, 1924.
Hilsenbeck, Louis, New York, N. Y. Prophylactic membranous articles for prevention of contagious diseases. 204,305; Oct. 13; Serial No. 215,371; published July 21, 1925.
Hirschberg & Company, New York, N. Y. Caps. 204,391; Oct. 13.
Hirschberg, Henry, Inc., New York, N. Y. Petticoats. 204,238; Oct. 13; Serial No. 214,867; published July 21, 1925.
Holland Shoe Company, Holland, Mich. Leather boots and shoes. 204,368–9; Oct. 13.
Horrocks Desk Co., Herkimer, N. Y. Desks and typewriter cabinets. 47,425; renewed Nov. 7, 1925.
Hudnut, Richard, assignor to Richard Hudnut, New York, N. Y. Perfumery, toilet articles and preparations. 27,327; renewed Nov. 26, 1925.
Hudnut, Richard, assignor to Richard Hudnut, New York, N. Y. Perfumery, toilet articles and preparations. 27,392; renewed Dec. 3, 1925.
Hughes, W. W., doing business as Dad's Corn Plaster, Memphis, Tenn. Corn plasters. 204,302; Oct. 13; Serial No. 215,573; published July 21, 1925.
Hunt Brothers Packing Company, San Francisco, Calif. Canned peaches. 204,189; Oct. 13; Serial No. 187,462; published Jan. 6, 1925.
Hunting, Frank L., doing business as Kandy Kone Co., Whiting, Iowa. Frozen confection. 204,389; Oct. 13.
Hussmann, Harry L., Refrigerator & Supply Company, St. Louis, Mo. Show-case refrigerators. 204,395; Oct. 13.
Italian Vineyard Company, Los Angeles, Calif. Grapes. 204,362; Oct. 13.
J. V. Pharmacy, The, doing business as The J. & V Laboratories, Pontiac, Mich. Tonic for stomach and all disorders resulting from sluggish action of the liver. 204,247; Oct. 13; Serial No. 213,711; published July 21, 1925.
Jean Ribbon Company. (See Siegel, Moses.)
Jersild Knitting Company, Neenah, Wis. Knitted coats and sweaters. 204,380; Oct. 13.
Joffe & Kaufman, New York, N. Y. Men's suits, overcoats, and topcoats. 204,275; Oct. 13; Serial No. 210,562; published July 21, 1925.



Jones Brothers & Co., assignor to Jones Brothers Limited, Manchester, England. Certain named articles of and material for clothing and also articles for household use. 27,170; renewed Nov. 5, 1925.
Justfood Company. (See Merrell-Soule Company, assignor.)
Kandy Kone Co. (See Hunting, Frank L.)
Kaufman, Harry G., doing business as Kaufman Manufacturing Company, New York, N. Y. Compact cases, scarf pins, key chains, emblems, etc. 204,215; Oct. 13; Serial No. 213,241; published July 21, 1925.
Keeler, Fred E., doing business as American Grinding Company, Los Angeles, Calif. Building materials, refractory brick and tile. 204,217; Oct. 13; Serial No. 213,092; published July 21, 1925.
Keith, Geo. E., Company, Brockton, Mass. Shoe dressing. 48,478; renewed Jan. 2, 1926.
Kellogg, John H., assignor to The Battle Creek Food Company, Battle Creek, Mich. Cereal product or preparation. 27,209; renewed Nov. 12, 1925.
Kenilworth Manufacturing Co. Inc., New York, N. Y. Blouses, knickers, and bloomers. 204,207; Oct. 13; Serial No. 209,922; published July 7, 1925.
Kerkow, L. O., Cleveland, Ohio. Liquid cleaner and polish for floors, interior decorations, and automobiles. 204,319; Oct. 13; Serial No. 207,790; published July 21, 1925.
Kerr Chemical Company, The. (See Danbury Pharmacal Company, The.)
Kickapoo Indian Medicine Co., The, Clintonville, Conn., assignor to Kickapoo Indian Medicine Co., Incorporated, New York, N. Y. Remedy for diseases of the blood, liver, kidneys, and stomach. 46,438; renewed Sept. 19, 1925.
Kickapoo Indian Medicine Co., The, Clintonville, Conn., assignor to Kickapoo Indian Medicine Co., Incorporated, New York, N. Y. Salve. 47,811; renewed Nov. 21, 1925.
Kickapoo Indian Medicine Co., The, Clintonville, Conn., assignor to Kickapoo Indian Medicine Co., Incorporated, New York, N. Y. Salve. 47,811; renewed Nov. 21, 1925.
Kilmer, Dr., & Co., Binghamton, N. Y. Preparation for treatment of ordinary curable ailments of kidneys, liver, etc. 204,304; Oct. 13; Serial No. 215,518; published July 21, 1925.
Knox, Charles B., assignor to Charles B. Knox Gelatine Company, Inc., Johnstown, N. Y. Gelatin. 47,652; renewed Nov. 14, 1925.
Kommel, A., & Sons, New York, N. Y. All types of underwear, hosiery, and sweaters. 204,270; Oct. 13; Serial No. 213,178; published July 21, 1925.
Kramer Brandeis, Inc., New York, N. Y. Men's hosiery, ties, mufflers, and cravats. 204,381; Oct. 13.
Krans Mercantile Co., Inc., New York, N. Y. Shoes, boots, and leggings of leather, cloth, and a combination of both. 204,213; Oct. 13; Serial No. 176,555; published July 21, 1925.
Krementz & Company, Newark, N. J. Jewelry made of precious metals. 204,226; Oct. 13; Serial No. 212,443; published July 21, 1925.
Kurtz Motor Car Company, The, Cleveland, Ohio. Motor cars. 204,394; Oct. 13.
Levey Bro. & Co., assignor to Levey Printing Company, Indianapolis, Ind. Periodical in magazine form. 45,197; renewed Aug. 8, 1925.
Lewis, Martha H., doing business as Martha Lewis Fruit Products Company, Denver, Colo. Candy. 204,390; Oct. 13.
Life Savers, Inc., Port Chester, N. Y. Malt extract. 204,268; Oct. 13; Serial No. 213,582; published July 21, 1925.
Little Doctor Medicine Co., Inc., Dallas, Tex. Remedies for relief of catarrh, corns, cuts, eczema, etc. 204,219; Oct. 13; Serial No. 212,937; published July 21, 1925.
Little Doctor Medicine Co., Inc., Dallas, Tex. Remedies for relief of hay fever, burns, chapped hands, etc. 204,220–1; Oct. 13; Serial Nos. 212,934–5; published July 21, 1925.
Lloyd Bros., assignor to Lloyd Bros. Pharmacist, Inc., Cincinnati, Ohio. Pharmaceutical preparation. 47,458; renewed Nov. 7, 1925.
Lowe Brothers Company, The, Dayton, Ohio. Prepared paints. 44,622; renewed July 18, 1925.
Lowe Brothers Company, The, Dayton, Ohio. Paints and varnishes. 44,623; renewed July 18, 1925.
Lukas, Dr. Carla, doing business as Dr. Lukas Chemical Laboratory, Brooklyn, N. Y. Insecticide. 204,201; Oct. 13; Serial No. 203,962; published July 14, 1925.
Lyon, Charles H., doing business as The Lyon Mfg. Co., Chicago, Ill. Pines. 204,361; Oct. 13.
Lyon & Healy assignor to Lyon & Healy, Inc., Chicago, Ill. Accordions. 48,419; renewed Dec. 26, 1925.
Magic Curler Company, assignor to Magic Hair Curler Company, Philadelphia, Pa. Hair curlers. 44,883; renewed July 25, 1925.
Majestic Neckwear Co., The, New York, N. Y. Men's and ladies' neckties. 204,269; Oct. 13; Serial No. 213,384; published July 21, 1925.
Manley, G. T., doing business as Glossila Chemical Co., Decatur, Ga. Piano and automobile polish. 204,197; Oct. 13; Serial No. 198,578; published Apr. 7, 1925.
Marmur, Jacob, New York, N. Y. Children's, young men's, and men's overcoats, coats, vests, and pants. 204,214; Oct. 13; Serial No. 171,428; published July 14, 1925.
Marshall-Wells Hardware Co., assignor to Marshall-Wells Company, Duluth, Minn. Hardware, machines, and miscellaneous goods. 27,102; renewed Sept. 24, 1925.
Mauldin, R. T., Sycamore, Ga. Preparation for treatment of influenza, sore throat, cuts, etc. 204,312; Oct. 13; Serial No. 213,588; published July 21, 1925.
Mayers, Mollie. (See Zwiebelson, Abraham.)
McLauthlin, Geo. T., Company, Providence, R. I., and Boston, Mass. Electric elevators and dumb-waiters. 204,363; Oct. 13.
Merrell-Soule Company, assignor to Justfood Company, Syracuse, N. Y. Farinaceous dietetic foods. 44,571; renewed July 11, 1925.
Miller, I., & Sons, Inc., New York, N. Y. Women's and misses' shoes and slippers. 204,359–60; Oct. 13.
Miller, Robert E. L., Front Royal, Va. Dental appliances. 204,278; Oct. 13; Serial No. 214,809; published July 21, 1925.
Mine Safety Appliances Company, Pittsburgh, Pa. Chemical materials for removing carbon dioxide from air or other gases. 204,300; Oct. 13; Serial No. 215,583; published July 21, 1925.
Mine Safety Appliances Company, Pittsburgh, Pa. Bandages, tourniquets, gas masks, etc. 204,301; Oct. 13; Serial No. 215,582; published July 21, 1925.
Montgomery Ward & Co., Incorporated, Chicago, Ill. Ladies' hosiery. 204,237; Oct. 13; Serial No. 214,922; published July 21, 1925.
Morgan Sash & Door Company, Chicago, Ill. Windows, doors, blinds, moldings, etc. 204,364–5; Oct. 13.
Morris, Bert M., San Francisco, Calif. Compound for cleaning pens. 204,333; Oct. 13.
Mussoff, David, doing business as D. Mussoff Shoe Co., Pittsburgh, Pa. Shoes. 204,193; Oct. 13; Serial No. 197,106; published Aug. 12, 1925.
National Carbon Company, Inc., New York, N. Y. Battery flash lights and casings therefor. 204,174; Oct. 13; Serial No. 209,583; published June 9, 1925.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 204,171–2; Oct. 13; Serial Nos. 208,671–2; published Mar. 24, 1925.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 204,183–4; Oct 13; Serial Nos. 208,425–6; published Mar. 31, 1925.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 204,185; Oct. 13; Serial No. 204,185; published Mar. 31, 1925.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 204,205–6; Oct. 13; Serial Nos. 206,423–4; published Mar. 31, 1925.
Neil, Edmund B., doing business as Neodyne Associates, New York, N. Y. Cushions for supporting radiocabinets. 204,200; Oct. 13; Serial No. 202,260; published July 21, 1925.
Neodyne Associates. (See Neil, Edmund B.)
New England Furriers. (See Sherman, Benjamin.)
Newman, S., Shoes, Inc., New York, N. Y. Shoes. 204,352; Oct. 13.
Ni-Late Manufacturing Company, Atlanta, Ga. Cough sirup. 204,374; Oct. 13.
Norfolk Storage Company, Norfolk, Va. Extra-large unshelled Virginia peanuts. 204,332; Oct. 13.
O'Brien, Mary A., New York, N. Y. Combined napkin supporter and dress shield. 204,206; Oct. 13; Serial No. 214,029; published July 21, 1925.
Olive Heights Citrus Association, Olive, Calif. Oranges, lemons, grapefruit. 204,328; Oct. 13.
Omaha Cold Storage Company, Omaha, Nebr. Fresh dressed poultry, butter, and eggs. 204,335; Oct. 13.
O'Neil Oil & Paint Company, Milwaukee, Wis. Paints, enamels, colors, lacquers, etc. 204,335; Oct. 13.
Onlibest Hosiery Mills, Philadelphia, Pa. Hosiery. 204,383; Oct. 13.
Paisseau, Jean, Paris, France; Eastport, Me.; and Yonkers, N. Y. Preparation for coating artificial pearls and other articles to impart an appearance like that of pearls. 204,190; Oct. 13; Serial No. 194,209; published July 14, 1925.
Peerless Corset Co., Inc., New York, N. Y. Corsets and girdles. 204,347; Oct. 13.
Peggy Hoyt, Inc., New York, N. Y. Perfume. 204,282; Oct. 13; Serial No. 214,682; published July 14, 1925.
Peggy Hoyt, Inc., New York, N. Y. Perfume. 204,283–4; Oct. 13; Serial Nos. 214,679–80; published July 14, 1925.
Philadelphia Knitting Mills Company, Philadelphia, Pa. Hosiery. 204,323; Oct. 13; Serial No. 190,517; published July 22, 1924.
Phillips & Jacobs, Philadelphia, Pa. Negative cotton, collodions, etc., used in photoengraving and newspaper business in the production of cuts and prints. 204,260; Oct. 13; Serial No. 210,875; published July 21, 1925.
Phinney, Fred S., New York, N. Y. Coffee. 204,358; Oct. 13.
Phippen, William W., Los Angeles, Calif. Boiler compound. 204,254; Oct. 13; Serial No. 213,040; published July 21, 1925.
Phoenix Flour Mill, Evansville, Ind. Wheat flour. 46,894; renewed Oct. 17, 1925.

Pioneer Suspender Company, Philadelphia, Pa. Suspenders, garters, arm bands, and belts. 204,317; Oct. 13; Serial No. 208,867; published July 21, 1925.

Pittsburgh Stove & Range Company, Allegheny, assignor to Stove and Range Company of Pittsburgh, Pittsburgh, Pa. Stoves, ranges, heaters, hot plates, furnaces, and parts thereof. 46,138; renewed Sept. 5, 1925.

Pittsburgh Stove & Range Company, Allegheny, assignor to Stove and Range Company of Pittsburgh, Pittsburgh, Pa. Stoves, ranges, heaters, furnaces, and parts thereof. 46,401; renewed Sept. 19, 1925.

Pittsburgh Stove & Range Company, Allegheny, assignor to Stove and Range Company of Pittsburgh, Pittsburgh, Pa. Stoves, ranges, heaters, gas burners, hot plates, and parts thereof. 46,524; renewed Sept. 26, 1925.

Planten, John R., New York, assignor to H. Planten & Son, Inc., Brooklyn, N. Y. Filled gelatin capsules. 47,237; renewed Oct. 31, 1925.

Poso Land & Products Co., Wasco, Calif. Fresh lettuce, potatoes, cantaloupes, grapes, and deciduous fruits. 204,388; Oct. 13.

Potter, H. B., Company, Plainfield, N. J. Asbestos sheeting. 204,393; Oct. 13.

Pursell, Robert C., doing business as Arnicol Laboratories, New York, N. Y. Preparation for the relief of inflammation and pain. 204,229; Oct. 13; Serial No. 212,151; published June 9, 1925.

Radio Products Corporation, Birmingham, Ala. Radio receiving sets. 204,246; Oct. 13; Serial No. 213,734; published July 7, 1925.

Rail Welding & Bonding Company, Cleveland, Ohio. Welding molds. 204,298; Oct. 13; Serial No. 213,919; published July 21, 1925.

Rail Welding & Bonding Company, Cleveland, Ohio. Welding rods. 204,299; Oct. 13; Serial No. 213,918; published July 21, 1925.

Railton, B. A., Co., Chicago, Ill. Tartaric and citric acids, alcohol (denatured), baking powder, bluing, ammonia, glycerin, and cream of tartar. 204,204; Oct. 13; Serial No. 205,786; published July 21, 1925.

Reichmann Company, Chicago, Ill. Radio receiving sets, parts thereof, loud speakers, and loop antenna therefor. 204,262–3; Oct. 13; Serial Nos. 210,187–8; published July 21, 1925.

Remmers Soap Company, The, assignor to The Remmers-Graham Company, Cincinnati, Ohio. Soap. 204,349; Oct. 13.

Renaud et Cie. of America, Boston, Mass. Perfumery. 204,276–7; Oct. 13; Serial Nos. 214,814–15; published July 21, 1925.

Renaud et Cie. of America, Boston, Mass. Perfumery, germicides, air purifiers, incense, and insect exterminator. 204,307; Oct. 13; Serial No. 214,822; published July 21, 1925.

Renaud et Cie. of America, Boston, Mass. Perfumery. 204,308; Oct. 13; Serial No. 214,816; published July 21, 1925.

Reymer & Brothers Incorporated, Pittsburgh, Pa. Candy. 48,526; renewed Jan. 2, 1926.

Roe-Ankeny Co., Seattle, Wash. Coffee, tea, spices. 204,195; Oct. 13; Serial No. 197,685; published July 7, 1925.

Rokeach, I., & Sons, Inc., Brooklyn, N. Y. Soap. 204,329; Oct. 13.

S. E. & M. Vernon Inc., New York, N. Y. Blank books. 204,351; Oct. 13.

Safety Armorite Conduit Company, Pittsburgh, Pa. Coated pipes and tubes for electric conduits. 47,807; renewed Nov. 21, 1925.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, overcoats, etc. 204,384; Oct. 13.

Scholl Manufacturing Company, Inc., Chicago, Ill. Boots, shoes, and slippers. Serial No. 204,211; Oct. 13; Serial No. 199,254; published July 21, 1925.

Shawinigan Products Corporation, New York, N. Y. Aldehyde condensation products used as frothing agents in flotation processes. 204,295; Oct. 13; Serial No. 214,098; published July 21, 1925.

Sheman, Benjamin, doing business as New England Furriers, Washington, D. C. Coats, capes, scarfs, etc. 204,339; Oct. 13.

Sherman & Sons Inc., Louisville, Ky. Men's overcoats and suits. 204,376; Oct. 13.

Siegel, Moses, doing business as Jean Ribbon Company, Paterson, N. J. Silk and cotton ribbon. 204,336; Oct. 13.

Smith, Alice E., New York, N. Y. Skin-improving fluid. 204,297; Oct. 13; Serial No. 213,928; published June 30, 1925.

Societe Anonyme des Produits Chimiques Speciaux, Brevets Lauriere, Lyon, France. Intestinal antiseptics. 204,306; Oct. 13; Serial No. 214,829; published July 21, 1925.

Sonoma Malt Extract Co. (See Blumenthal, Edwin M.)

Sparks-Withington Company, The, Jackson, Mich. Electrically-operated automobile horns. 204,178; Oct. 13; Serial No. 210,507; published July 21, 1925.

Spencer Thermostat Company, Cambridge, Mass. Water, steam, and gas valves. 204,291; Oct. 13; Serial No. 214,382; published July 21, 1925.

Stabili, Gioachino, Morrisville, Pa. Serums for the treatment of arteriosclerosis. 204,267; Oct. 13; Serial No. 213,671; published July 21, 1925.

Staib, W. V., Company, Inc., Brooklyn, N. Y. Refrigerators. 204,387; Oct. 13.

Standard Playing Card Co. (See United States Playing Card Co., The, assignor.)

Star-Peerless Wall Paper Mills, Joliet, Ill. Paints, varnishes, stains, and paint enamels. 204,264; Oct. 13; Serial No. 178,938; published July 21, 1925.

Star Watch Case Co., Ludington, Mich. Watchcases of precious, semiprecious, and base metal. 204,313; Oct. 13; Serial No. 213,597; published July 21, 1925.

Stephenson & Osbourne, Lynn, Mass. Cut soles. 204,233; Oct. 13; Serial No. 211,721; published July 14, 1925.

Sterling Products Incorporated. (See California Fig Syrup Co., assignor.)

Stevens, A. J., and Company (1914) Limited, Wolverhampton, England. Motor cycles. 204,228; Oct. 13; Serial No. 212,157; published July 14, 1925.

Stewart, John P., Chicago, Ill. 46,527; renewed Sept. 26, 1925.

Stickney & Poor Spice Company, Boston, Mass. Mustard and spices. 48,267; renewed Dec. 19, 1925.

Stokes Bros. Manufacturing Co., Freehold, N. J. Rasps and files. 27,474; renewed Dec. 10, 1925.

Storey, H. E., doing business as Storey Laboratories, Houston, Tex. Medicine to be used as a nerve tonic. 204,253; Oct. 13; Serial No. 213,047; published July 21, 1925.

Stove and Range Company of Pittsburgh. (See Pittsburgh Stove & Range Company, assignor.)

Suffolk Overall Co., Inc., Suffolk, Va. Workshirts, overalls, jumpers, unionalls, and work pants. 204,386; Oct. 13.

Sunday Creek Coal Company, The, Columbus, Ohio. Coal. 204,372–3; Oct. 13.

Swanson, Amanda K., Chicago, Ill. Medicinal preparation of salves for burns, scalds, boils, ulcers, etc. 204,256; Oct. 13; Serial No. 212,974; published July 21, 1925.

Sydney Ross Co., The, Newark, N. J. General medicinal tonic for anaemia, etc. 204,303; Oct. 13; Serial No. 215,537; published July 21, 1925.

Terry, Jane B., New York, N. Y. Scalp ointment. 204,244; Oct. 13; Serial No. 213,997; published July 21, 1925.

Texas Creosoting Co., Orange, Dallas, and Houston, Tex. Creosoted poles, piles, cross arms, ties, etc. 204,385; Oct. 13.

Thorpe, J. T., & Son, Inc., Los Angeles, Calif. Oil and gas furnaces. 204,367; Oct. 13.

Tie-Art Company, Incorporated, Buffalo, N. Y. Neckties, hosiery, and garters. 204,177; Oct. 13; Serial No. 209,882; published July 14, 1925.

Tiffany Manufacturing Company, Newark, N. J. Oil and gasoline gauges, ammeters, and voltmeters. 204,181; Oct. 13; Serial No. 211,139; published July 21, 1924.

Topeka Milling Company, The, Topeka, Kans., assignor, by mesne assignments, to Aunt Jemima Mills Company, St. Joseph, Mo. Breakfast cereal foods. 45,344; renewed Aug. 15, 1925.

Treumath, Dionysius W., New York, N. Y. Combined skirt markers and rulers. 204,294; Oct. 13; Serial No. 214,203; published July 21, 1925.

Turner, Lillian A., Los Angeles, Calif. Colored drawing ink, containing metal pigment. 204,230; Oct. 13; Serial No. 212,050; published July 21, 1925.

Undertakers' Supply Company, The, Chicago, Ill. Embalming fluid. 204,288; Oct. 13; Serial No. 214,521; published July 14, 1925.

Undertakers' Supply Company, The, Chicago, Ill. Preinjection compound used in embalming. 204,289; Oct. 13; Serial No. 214,517; published July 14, 1925.

Undertakers' Supply Company, The, Chicago, Ill. Embalming fluid. 204,290; Oct. 13; Serial No. 214,516; published July 14, 1925.

United States Playing Card Co., The, Cincinnati, Ohio, assignor to Standard Playing Card Co., Chicago, Ill. Playing cards. 46,674; renewed Oct. 3, 1925.

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 204,255; Oct. 13; Serial No. 212,978; published July 21, 1925.

Valentine & Company, New York, N. Y. Eggshell-gloss finishing enamel. 204,293; Oct. 13; Serial No. 214,292; published July 21, 1925.

Vaughan, Robert J., doing business as Children's Clinical Laboratory, Baker, Oreg. Dental preparations. 204,176; Oct. 13; Serial No. 209,756; published June 16, 1925.

Victorius, A. V., & Co., Inc., New York, N. Y. Hosiery. 204,338; Oct. 13.

Vinal, Charles H., doing business as Alongshore Toy Manufactory, Mystic, Conn. 204,266; Oct. 13; Serial No. 214,225; published July 21, 1925.

Wall-Kane Needle Mfg. Co. Inc., Brooklyn, N. Y. Phonograph needles. 204,341; Oct. 13.

Walworth Manufacturing Company, Boston, Mass. Pipe fittings and valves. 204,234; Oct. 13; Serial No. 211,640; published June 2, 1925.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Foot, hand, tennis, golf, etc., balls, golf sticks, dumb-bells, etc. 204,208; Oct. 13; Serial No. 206,466; published July 21, 1925.



Wanamaker, John, Philadelphia, Philadelphia, Pa. Foot, hand, tennis, golf, etc., balls, golf sticks, Indian clubs, etc. 204,209; Oct. 13; Serial No. 206,463; published July 21, 1925.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Foot, basket, tennis, etc., balls, Indian clubs, golf sticks, etc. 204,210; Oct. 13; Serial No. 206,448; published July 21, 1925.

Warren Brothers Company, Boston, Mass. Bituminous cement or cement compositon. 46,947; renewed Oct. 17, 1925.

Warren Brothers Company, Boston, Mass. Bituminous pavements. 47,476; renewed Nov. 7, 1925.

Waterbury Button Company, Waterbury, Conn. Sliding casters. 204,343; Oct. 13.

Watkins, J. R., Company, The, Winona, Minn. Lead pencils. 204,353; Oct. 13.

Watkins, J. R., Company, The, Winona, Minn. Soaps and washing compound. 204,354; Oct. 13.

Watkins, J. R., Company, The, Winona, Minn. Stock-raisers' manuals and song books. 204,357; Oct. 13.

Weinrich, Joseph, assignor to David J. Weinrich, doing business as Joseph Weinrich, Dayton, Ohio. Cigars. 47,442; renewed Nov. 7, 1925.

Welsbach Company, Gloucester City, N. J. Incandescent gas mantles. 204,182; Oct. 13; Serial No. 211,435; published July 21, 1925.

Werner, Frank, Co., San Francisco, Calif. Shoes, boots, slippers, pumps, and oxfords. 204,202; Oct. 13; Serial No. 205,185; published July 14, 1925.

Western Oregon Packing Corporation, Corvallis, Oreg. Canned berries. 204,326; Oct. 13.

Wingo, Ellett & Crump Shoe Co., Richmond, Va. Leather boots and shoes. 48,490; renewed Jan. 2, 1926.

Winkler-Reichmann Company, Chicago, Ill. Horns for loud-speaking receivers and the bases which support said horns. 204,192; Oct. 13; Serial No. 196,945; published Nov. 25, 1924.

Winks, John O., doing business as Ace Clip Company, San Francisco, Calif. Paper clips. 204,188; Oct. 13; Serial No. 176,308; published May 5, 1925.

Wolfe Brothers, Providence, R. I. Hosiery, knitted underwear, and pyjamas for men. 204,379; Oct. 13.

Worlicek, Johann, Karlsbad, Czechoslovakia. Preparation to be added to the bath. 204,198; Oct. 13; Serial 200,234; published Oct. 28, 1924.

Zinn, Julian W., Flanagan, Ill. Remedies for tuberculosis, bronchitis, and chronic coughs. 204,242; Oct. 13; Serial No. 214,040; published July 21, 1925.

Zwiebelson, Abraham, doing business as Mollie Mayers, New York, N. Y. Corsets and brassières. 204,180; Oct. 13; Serial No. 210,873; published July 7, 1925.

# ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

African Canning and Packing Corporation. (See Schlesinger, Max A., assignor.)

Agmel Corporation, The, Wilmington, Del., and Los Angeles, Calif. Agmel. For a Medicinal Preparation. 29,307; Oct. 13.

Boyden, A. L., doing business as The A. L. Boyden Co., Los Angeles, Calif. Boyden's. For Honey. 29,308; Oct. 13.

Braunstein, Jacob, doing business as Standard Home Supply Store, Akron, Ohio. Braunstein's 100% Pure Malt Extract. For Malt Extract. 29,309; Oct. 13.

Brown, F. C., & Company, Chicago, Ill. Q F C Brand Coffee. For Coffee. 29,310; Oct. 13.

Connecticut Ginger Ale Co., Milford, Conn. Connecticut Pale Ginger Ale. For Ginger Ale. 29,311; Oct. 13.

Di Santo, Joseph, doing business as Di Santo & Company, Duluth, Minn. Mazzini. For Malt Sirup. 29,312; Oct. 13.

Evans, Walter L., doing business as Lone Star Coffee Co., Dallas, Tex. Lone Star. For Coffee. 29,313; Oct. 13.

Gold Dust Corporation, Jersey City, N. J. Goldy & Dusty The Broadcast Soap Flakes. For Soap Flakes. 29,314; Oct. 13.

Graf, John, Co., Milwaukee, Wis. Jamaica Pale. For Ginger Ale. 29,315; Oct. 13.

Kamison, Harry, doing business as Primrose Products Co., Philadelphia, Pa. Primrose Products Co. For Hair Tonic. 29,316; Oct. 13.

Lone Star Coffee Co. (See Evans, Walter L.)

Mary Sweet Candy Company, Washington, D. C. Mary Sweet. For Candy. 29,317; Oct. 13.

Menasha Printing and Carton Company, Menasha, Wis., assignor to Standard Nut Margarine Company, Indianapolis, Ind. Home Brand Oleomargarine. For Oleomargarine. 29,318; Oct. 13.

National Carbon Company, Inc., New York, N. Y. Eveready Lantern. For Battery Hand Lamps. 29,319; Oct. 13.

National Gum Co., Inc., The, Newark, N. J. Sum-Chu. For Chewing Gum. 29,320; Oct. 13.

National Gum Co., Inc., The, Newark, N. J. Base Ball the National Game—Ball Gum the National Chew. For Chewing Gum. 29,321; Oct. 13.

Neely, Harwell & Co., Nashville, Tenn. Tried and True. For Shirts. 29,322; Oct. 13.

Neely, Harwell & Co., Nashville, Tenn. Sunburst. For Hosiery. 29,323; Oct. 13.

Osborne Fruit & Vegetable Co., Fullerton, Calif. Top Notch. For Oranges. 29,324; Oct. 13.

Osborne Fruit & Vegetable Co., Fullerton, Calif. I X L For Oranges. 29,325; Oct. 13.

Osborne Fruit & Vegetable Co., Fullerton, Calif. Osborne. For Oranges. 29,326; Oct. 13.

Pacific Lacquer & Varnish Co., Los Angeles, Calif. Amalac Automobile Lacquer. For Automobile Lacquer. 29,327; Oct. 13.

Phillips, S. M., San Francisco, Calif. Gold Bond. For Bread. 29,328; Oct. 13.

Portage Co-Operative Creamery Association, Portage, Wis. Portage. For Butter. 29,329; Oct. 13.

Primrose Products Co. (See Kamison, Harry.)

Rapp & Cheney Company, Los Angeles, Calif. Kant-Kick. For Spark-Control and Starter Switches. 29,330; Oct. 13.

Ripple, S. A., & Bros., Westport, Baltimore, Md. Fireside Brooms. For Brooms. 29,331; Oct. 13.

Schlesinger, Max A., New York, N. Y., assignor to African Canning & Packing Corporation Limited, Port Elizabeth, South Africa. South African Pineapple Chunks. For Pineapple Chunks. 29,332; Oct. 13.

Silvray Co. Inc., New York, N. Y. Silvray. For Electrical Lamps. 29,333; Oct. 13.

Skinner Manufacturing Company, Omaha, Nebr. Raisin Bran. For Breakfast Food. 29,334; Oct. 13.

Standard Home Supply Store. (See Braunstein, Jacob.)

Standard Nut Margarine Company. (See Menasha Printing and Carton Company, assignor.)

Whitman, Stephen F., & Son, Inc., doing business as Whitman's, Philadelphia, Pa. Bonnybrook. For Milk Chocolates Containing Assorted Nuts, Fruits, Etc. 29,335; Oct. 13.

# ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

B. V. D. Company, Inc., The, New York, N. Y. "B. V.D. Union Suits Me." For Athletic Underwear. 8,257; Oct. 13.

Bayuk Cigars Incorporated, Philadelphia, Pa. Mapacuba Cigars Etc. For Cigars. 8,258; Oct. 13.

Berg & Watson, Philadelphia, Pa. 7 Point Shirt Service. For Shirts and Parts Thereof. 8,259; Oct. 13.

Cadet Knitting Company, Philadelphia, Pa. Unconditionally Guaranteed! For Hosiery. 8,260; Oct. 13.

Columbia Knitting Mills, Portland, Oreg. Columbiaknit. For Swimming Suits. 8,261; Oct. 13.

Cream of Wheat Co., Minneapolis, Minn. Physicians Recommend It Because It Is Always The Same. For Wheat Breakfast Food. 8,262; Oct. 13.

Cream of Wheat Co., Minneapolis, Minn. Cream of Wheat Mixture Used By Baby Specialists. For Wheat Breakfast Food. 8,263; Oct. 13.

Cream of Wheat Co., Minneapolis, Minn. These Rich Food Values In A Breakfast Bowl of Cream of Wheat. For Wheat Breakfast Food. 8,264; Oct. 13.

Cream of Wheat Co., Minneapolis, Minn. Start The Day Right With Breakfast Etc. For Wheat Breakfast Food. 8,265; Oct. 13.

Duquesne Gasoline Supply Co., Pittsburgh, Pa. Radiogas. For Gasoline. 8,266; Oct. 13.

Gold Dust Corporation, Jersey City, N. J. Goldy Dusty. For Washing Powder. 8,267; Oct. 13.

Heinz, H. J., Co., Pittsburgh, Pa. Word of five letters that means fifty-seven. For Heinz 57 Varieties. 8,268; Oct. 13.

Kay-El Manufacturing Company, The, Chicago, Ill. Kay-El. For Vaults. 8,269; Oct. 13.

Mohawk Electric Manufacturing Company. (See Rollinson, E. H.)

Moore, Benjamin, & Co., Jersey City, N. J., and Brooklyn, N. Y. Quality Forever-Moore. For Paints, Varnishes, and Muresco. 8,270; Oct. 13.
Rollinson, E. H., doing business as Mohawk Electric Manufacturing Company, Newark, N. J. Mohawk Electric M'f'g. Co. For Fire-Alarm and Radio-Apparatus Devices. 8,271; Oct. 13.
Royal Typewriter Company, Inc., New York, N. Y. The Easy Writing Royal Typewriter. For Typewriting Machines. 8,272; Oct. 13.
Scherk Importing Company, New York, N. Y. Mystikum Parfum. For Toilet Articles and Perfumery. 8,273; Oct. 13.
Sefton Manufacturing Corporation, Chicago, Ill. America's Best Cartons. For Paper Cartons. 8,274; Oct. 13.
Sefton Manufacturing Corporation, Chicago, Ill. Displaying a Product. For Paper Cartons. 8,275; Oct. 13.
Urban, George, Milling Co., Buffalo, N. Y. Urban's Self Rising Up An Up Flour. For Flour. 8,276; Oct. 13.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

## PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abbott Dental Brush Manufacturing Co., The. (See Rubin, Jennie.)
Ablett, Chas. R., doing business as Charles R. Ablett Company, New York, N. Y. Electron tubes used in radioreception. 216,375; Oct. 13.
Abraham & Straus, Inc., New York, N. Y. Household furniture. 200,303; Oct. 13.
Adrian, Elizabeth G., New York, N. Y. Dolls. 218,942; Oct. 13.
Alexander Bros. Company, Savannah, Ga. Overalls. 218,837–8; Oct. 13.
American Beauty Co., Long Beach, Calif. Facial and skin toilet preparations. 217,914; Oct. 13.
American Preserve Co., The, Philadelphia, Pa. Jellies and fruit preserves. 219,320; Oct. 13.
Angleton Fig Company, Angleton, Tex. Canned, bottled, and boxed figs, table sirup, and candied or crystallized figs. 213,610; Oct. 13.
Arrow Grip Manufacturing Co. Inc., Glens Falls, N. Y. Nonskid chains and nonskid units. 218,096; Oct. 13.
Avri Drug & Chemical Company, Jersey City, N. J. Russian mineral oil for use in the treatment of constipation. 218,892; Oct. 13.
Bailey, N. B., San Francisco, Calif. Supporting strap for saxophones. 217,244; Oct. 13.
Ballesteros, Macario V., Los Angeles, Calif. Preparation to be used as a blood purifier, antirheumatic, and tonic. 217,981; Oct. 13.
Ballou, B. A., & Co., Inc., Providence, R. I. Cuff buttons and links, buckles, key rings, etc. 219,520; Oct. 13.
Beacon Manufacturing Company, New Bedford, Mass. Cotton blankets. 218,239; Oct. 13.
Beiknap Hardware & Manufacturing Company. Louisville, Ky. Linoleum. 214,842; Oct. 13.
Bennett Textile Company, Inc., Cohoes, N. Y. Knit underwear. 218,464; Oct. 13.
Benton, Charles C., doing business as Pyrad Chemical Company, Philadelphia, Pa. Motor-fuel compound. 219,055; Oct. 13.
Berry & Son, Chicago, Ill. Mayonnaise, Thousand Island, French dressings, and sandwich spread. 212,589; Oct. 13.
Best Universal Lock Co., Seattle, Wash. Locks, keys, and parts of locks. 212,316; Oct. 13.
Best Universal Lock Co., Seattle, Wash. Locks, keys, and parts of locks. 212,318–19; Oct. 13.
Billboard Match Company, East Jaffrey, N. H. Matches. 218,895; Oct. 13.
Biolu Manufacturing Company, Inc., Norfolk, Va. Electrical therapeutic treatment apparatus. 216,318; Oct. 13.
Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 219,523; Oct. 13.
Boston Confectionery Co., Cambridge, Mass. Candy. 218,843; Oct. 13.
Bosul Company, Incorporated, Wilmington, Del., and Brooklyn, N. Y. Medicine for the treatment of rheumatism, gout, and blood disorders. 218,240; Oct. 13.
Bowden, J. B., & Co., New York, N. Y. Wedding ring. 219,372; Oct. 13.
Boyd Manufacturing Company, Inc., The, doing business as La-Lo Laboratories, Birmingham, Ala. Hairdressings. 219,222; Oct. 31.
Braeburn Knitting Mills. (See Forstadt, Jacob.)
Brown, W. H., Son & So. (See Ryan, Matthew W.)
Bruce, Frederick J., Inc., New York, N. Y. Interior trim for doors, windows, and moldings. 218,466; Oct. 13.
Bunnell, J. H., & Company, Inc., New York, N. Y. Telegraph keys or transmitters. 200,430; Oct. 13.
Bunnell, J. H., & Company, Inc., New York, N. Y. Telegraph keys or transmitters. 210,950; Oct. 13.
Bunte Brothers, Chicago, Ill. Candy. 213,689; Oct. 13.
Burger, Iwan, Inc., New York, N. Y. Canned sardines and cheese. 209,526; Oct. 13.
California Peanut Co. (See Damiankes, Nicholas P.)
Capital Candied Nuts, Inc., New York, N. Y. Sugar-coated peanuts and almonds, chocolate-coated dates, and date bar. 216,454; Oct. 13.
Carson Pirie Scott & Co., Chicago, Ill. Men's suits. 218,602; Oct. 13.
Central Laboratories Co., Wheeling, W. Va. Rubber tire patches. 218,609; Oct. 13.
Central Wholesale Grocers, Chicago, Ill. Canned fish and lobster, catchup, coffee, corn meal, etc. 217,814; Oct. 13.
Certain-teed Products Corporation, New York, N. Y. Electrical storage batteries and spark plugs. 218,469; Oct. 13.
Chancellor & Vaughan, Inc., Chicago, Ill. Shirts, pants, bloomers, knickers, etc. 210,954; Oct. 13.
Chem-Electric Engineering Corporation. (See Day, Leonard, assignor.)
Chirelstein, Harry, Chicago, Ill. Radio electron tubes. 218,613; Oct. 13.
Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 218,541; Oct. 13.
Craddock Terry Company, Lynchburg, Va. Women's shoes. 201,609; Oct. 13.
Creme-O-Blend Co., Portland, Oreg. Thickening agent for soups and gravies. 216,153; Oct. 13.
Cutaway Harrow Company, The, Higganum, Conn. Harrows, cultivators, plows, etc. 217,542; Oct. 13.
Cycling Press, The, Inc., New York, N. Y. Monthly magazine. 216,262; Oct. 13.
D. X. Instrument Company, Harrisburg, Pa. Radio receiving sets. 218,454; Oct. 13.
Damianakes, Nicholas P., doing business as California Peanut Co., Oakland, Calif. Candy and candied nuts. 216,876; Oct. 13.
David, B. Edmund, Inc., New York, N. Y. Silk fabrics in the piece. 219,169; Oct. 13.
Day, Leonard, New York, N. Y., assignor to Chem-Electric Engineering Corporation. Citrous-fruit-juice powder. 183,365; Oct. 13.
Diefenderfer, Thomas F., doing business as Raynol Products Co., Butler, Pa. Ointment used in the treatment of eczema, itching piles, etc. 219,113; Oct. 13.
Distributing Corporation, The, New York, N. Y. Hosiery. 217,396; Oct. 13.
Dixie Chewing Gum Co., Inc., Marion, N. C. Chewing gum. 217,865; Oct. 13.
Dougal Bros., London, England. Matches. 218,745; Oct. 13.
Ducote, Wilmore M., New Orleans, La. Corrosion paste. 219,170; Oct. 13.
Dunn, John S., Philadelphia, Pa. Electrical relay switches, pouring ladles, and heating apparatus. 215,003; Oct. 13.
Dunn, John S., Philadelphia, Pa. Electrical relay switches, pouring ladles, and heating apparatus. 215,387; Oct. 13.
Duthie & Company, Inc., Portland, Oreg. Apples. 215,622; Oct. 13.
Dutton, Joseph, Sault Ste. Marie, Mich. Fire-kindling preparation. 213,626; Oct. 13.
Eagle Malt Extract Company. (See Rosenstein, Emanuel D.)
Electrad, Inc., New York, N. Y. Radio equipment. 206,286; Oct. 13.
Eureka Products Co., St. Louis, Mo. Nonfreezing radiator fluid. 218,901; Oct. 13.
Fawcett Publications, Inc., Robbinsdale, Minn. Monthly publication. 218,358; Oct. 13.
Field's Club Style Clothes, Brooklyn, N. Y. Men's clothing, consisting of suits, coats, vests, etc. 218,251; Oct. 13.
Fink, I. Enie, doing business as Peep O'Day Shoe Co., Rochester, N. Y. Shoes for infants, children, and misses. 218,456; Oct. 13.
Firestone-Apsley Rubber Company, Hudson, Mass. Soles for footwear. 200,812; Oct. 13.
Fluxo Products Company, Le Roy, N. Y. Chemical preparation having disinfecting and deodorizing properties. 212,378; Oct. 13.
Foothill Groves, Yorba Linda, Calif. Fresh oranges, lemons, and grapefruit. 212,910; Oct. 13.
Forstadt, Jacob, doing business as Braeburn Knitting Mills, Philadelphia, Pa. Knitted sweaters, golf hose, and bathing suits. 200,439; Oct. 13.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 219,237–42; Oct. 13.
Friendly Sales Corporation, New York, N. Y. Hosiery, underwear, nightshirts, garters, hats, and shoes. 218,961; Oct. 13.
Frycz, Maryanna, Detroit, Mich. Foot perspiration powder. 219,389; Oct. 13.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Gagl, John, New York, N. Y. Medicine to prevent perspiration of feet. 219,030; Oct. 13.
Gilbert & Co., Inc., New York, N. Y. Porcelain and china goods. 219,623; Oct. 13.
Gilpin, Langdon & Company, Incorporated, Baltimore, Md. Liquid and powder insecticide. 218,913; Oct. 13.
Gipsy Trail Camp and Country Club Inc., New York, N. Y. Candy. 212,919; Oct. 13.
Glass, Henry, & Co., New York, N. Y. Cotton piece goods, combination silk and cotton piece goods, and combination of artificial-silk and cotton piece goods. 218,005; Oct. 13.
Golding Fabrics Corporation, New York, N. Y. Piece goods made of silk. 219,121; Oct. 13.
Goodrich, B. F., Company, The, New York, N. Y. Boots and shoes. 217,508; Oct. 13.
Gossard, H. W., Co., The, Chicago, Ill. Corsets. 217,025; Oct. 13.
Grey Studios. (See Valenstein, Lawrence.)
Grubenholz-Impragnierung G. m. b. H., Charlottenburg, Germany. Wood-preserving, plant and animal destroying preparations or compounds, fluorides, etc. 219,180; Oct. 13.
Gunst, Melville A., Costume Co. Inc., doing business as Melville A. Gunst Co., New York, N. Y. Ladies' dresses. 216,779; Oct. 13.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of cotton, silk, and wool. 218,551; Oct. 13.
Hanly Products Co. Inc., Chicago, Ill. Shampoo bags. 218,965; Oct. 13.
Haymon Krupp & Co., El Paso, Tex. Work and out-of-door clothing. 218,259; Oct. 13.
Heller, B., & Company, Chicago, Ill. Cleaning and polishing compound. 202,460; Oct. 13.
Highland Milling Company, Highland, Ill. Wheat flour. 217,617; Oct. 13.
High School Teacher Company, The, Blanchester, Ohio. Periodical publication. 218,305; Oct. 13.
Hildebrandt, John J., Company, The, Logansport, Ind. Artificial bait. 218,813; Oct. 13.
Hoefeld, Albert, Chicago, Ill. Men's suits and overcoats. 218,487; Oct. 13.
Horton, M. E., Inc., Washington, D. C. Canned fruits and vegetables. 217,783; Oct. 13.
Howell Co., Inc., The, New Orleans, La. Flavoring extracts for foods. 217,880; Oct. 13.
Hunter, H. Blount, doing business as The Regent Chocolate Company, Norfolk, Va. Chocolate sirups for food purposes. 217,400; Oct. 13.
Hygena Laboratories, The. (See Wiggins, Lee W.)
Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Chocolate. 219,244; Oct. 13.
Illinois Asbestos Products Company, Chicago, Ill. Composition construction and insulating materials. 213,305; Oct. 13.
International Player Roll Company, Inc., Brooklyn, N. Y. Music rolls and combination music and wood rolls for use on player pianos. 218,308; Oct. 13.
Interstate Iron & Steel Company, Chicago, Ill. Screws. 214,664; Oct. 13.
Interstate Iron & Steel Company, Chicago, Ill. Screws. 216,601; Oct. 13.
Irving-Pitt Manufacturing Company, Kansas City, Mo. Visible-index holders and visible-index-holder sheets. 216,837; Oct. 13.
Israel, Leon, & Bros. Inc., New York, N. Y. Green coffee. 209,039; Oct. 13.
Italian American Paste Co., Inc., San Francisco, Calif. Alimentary pastes. 211,440; Oct. 13.
Jansen, Jerome J., San Francisco, Calif. Porcelain-jacket crowns. 213,020; Oct. 13.
Johnson, Jas. G., & Co. Inc., New York, N. Y. Silk piece goods. 219,188; Oct. 13.
Jones, Marc E., Los Angeles, Calif. Publication. 219,394; Oct. 13.
Kann, S., Sons Company, The, Washington, D. C. Hosiery. 218,853; Oct. 13.
Keystone Varnish Company, Brooklyn, N. Y. Enamel paint. 215,373; Oct. 13.
Kibbe Brothers Company, Springfield, Mass. Chocolate bars. 217,625; Oct. 13.
Kimberly-Clark Company, Neenah, Wis. Absorbent dental rolls and pads. 219,285; Oct. 13.
King, C. G., & Company, Inc., Providence, R. I. Finger rings, ornamental pins, and brooches. 214,553; Oct. 13.
Kip-So Products Co., New York, N. Y. Face powders, creams, and packs, toilet waters, rouges, etc. 219,287; Oct. 13.
Kirby-Gifford Company, Dallas, Tex. Tonic and blood medicine. 214,367; Oct. 31.
Kirk, James S., & Company, Chicago, Ill. Soap chips. 207,818; Oct. 13.
Kistler Leather Company, South Boston, Mass. Leather, tap, and slip soles. 216,411; Oct. 13.
Klein, William, doing business as Pilnaro Chemical Co., New York, N. Y. Hair tonic for the treatment of the scalp and dandruff. 219,035; Oct. 13.
Koffman & Blumenau, Bay City, Mich. Malt sirup for food purposes. 216,546; Oct. 13.
Korbonits, William J., doing business as Radio Medical Laboratories, Asbury Park, N. J. Medicine for the treatment of constipation, headache, torpid liver, etc. 193,467; Oct. 13.
Kress, S. H., & Co., New York, N. Y. Face powders, creams, and packs, toilet waters, rouges, etc. 219,289; Oct. 13.
La-Lo Laboratories. (See Boyd Manufacturing Company, Inc., The.)
Landgrebe Co., The, Chicago, Ill. Dental supplies. 214,488; Oct. 13.
La Roe, Clarence R., Cleveland, Ohio. Photographic materials. 214,168; Oct. 13.
Larson, Leonard, doing business as Swine Liquid Company, Alta, Iowa. Hog tonic for diseases of the stomach and bowels. 218,561; Oct. 13.
Lenox Incorporated, Trenton, N. J. Pottery—viz, plates, cups, platters, etc. 218,013; Oct. 13.
Lewis-Wise Co. Inc., New York, N. Y. Men's robes, gowns, lounge suits, and jackets. 216,788; Oct. 13.
Lindeke, Warner & Sons, Incorporated, St. Paul, Minn. Play suits. 217,167; Oct. 13.
Lindström, Carl, Aktiengesellschaft, Berlin, Germany. Talking machines and parts thereof, phonographs and parts thereof, needles, records, etc. 212,390; Oct. 13.
Livierato, Bernard A., New York, N. Y. Coffee. 218,857; Oct. 13.
Lucas, John, & Company Incorporated, Philadelphia, Pa. Paint lacquers and enamels. 217,569; Oct. 13.
Macfadden Publications Incorporated, New York, N. Y. Monthly magazine. 218,518; Oct. 13.
Malt, K. B., Co., Bay City, Mich. Malt sirup for food purposes. 218,760; Oct. 13.
Malt, K. B., Co., Bay City, Mich. Malt sirup for food purposes. 218,762; Oct. 13.
Marietta Paint & Color Company, The, Marietta, Ohio. Mill white (paint enamel). 212,625; Oct. 13.
Marshall Field & Company, Chicago, Ill. Percale piece goods. 218,623–4; Oct. 13.
Marshall Field & Company, Chicago, Ill. Cotton piece goods. 218,626; Oct. 13.
Metz, H. A., Laboratories, Inc., New York, N. Y. Sweet dietetic preparation with medicinal therapeutic properties for diabetic patients. 219,039; Oct. 13.
Miles, Dr., Medicinal Company, Elkhart, Ind. Laxative medicines. 211,795; Oct. 13.
Miller, Samuel, doing business as Milltex & Colonial Hosiery Mills, Philadelphia, Pa. Hosiery. 218,015; Oct. 13.
Milltex & Colonial Hosiery Mills. (See Miller, Samuel.)
Mimosa Aktiengesellschaft, Dresden, Germany. Light-sensitized photographic papers. 205,838; Oct. 13.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Garters. 215,585; Oct. 13.
Monesta Company, The. (See Stamm, Lester.)
Mooresville Cotton Mills, Mooresville, N. C. Cotton piece goods. 218,928; Oct. 13.
Mott, J. L., Company, Trenton, N. J. Pottery plumbing fixtures. 217,892; Oct. 13.
Mulford, H. K., Company, Philadelphia, Pa. Dentifrice and mouth wash. 219,441; Oct. 13.
Mulford, H. K., Company, Philadelphia, Pa. Digestant, aperient, and adjuvant. 219,442; Oct. 13.
Mulford, H. K., Company, Philadelphia, Pa. Cod-liver-extract compound as a tonic and stimulant. 219,443; Oct. 13.
Munson, S. L., Co., Albany, N. Y. Dresses, aprons, blouses, etc. 209,539; Oct. 13.
Myers, Hubert A., Laboratories, The, Toledo, Ohio. Apparatus for administering medicinal preparations to persons. 217,411; Oct. 13.
Nashua Manufacturing Company, Nashua, N. H. Cotton piece goods. 216,066; Oct. 13.
Nathan, Violet, doing business as The Zee-Kol Manufacturing Company, London, England. Shaving cream. 204,109; Oct. 13.
National Petticoat Manufacturing Company. (See Stern, Isidor.)
Navishade Company, Philadelphia, Pa. Outer suits and overcoats. 214,334; Oct. 13.
Nelson Canning Company, Lovingston, Va. Canned tomatoes. 205,025; Oct. 13.
New England Magnesia Company. (See Robinson, Max W.)
New Jersey Coated Paper Co., Montclair, N. J. Surface-coated printing, writing, wrapping, book, and cover paper. 213,394; Oct. 13.
New Jersey Coated Paper Co., Montclair, N. J. Surface-coated printing, writing, wrapping, book, and cover paper. 213,396; Oct. 13.
New Orleans Coffee Co., Ltd., New Orleans, La. Cane sirup. 215,701; Oct. 13.
News Publishing Company, The, Inc., Newburyport, Mass. Daily newspapers. 218,994; Oct. 13.
Nu-Way Distributing Co. (See Pierce, Albert L.)
Orange Heights Fruit Association, Corona, Calif. Fresh oranges, lemons, and grapefruit. 218,996; Oct. 13.
Orlik, Alfred, New York, N. Y. Pipes. 219,447; Oct. 13.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

**PUBLISHED FOR OPPOSITION.**

**[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]**

Paraffine Companies, Inc., The, San Francisco, Calif. Roofing material. 192,787; Oct. 13.
Parfumerie Rigaud, Inc., New York, N. Y. Perfumes, toilet waters, face creams, etc. 219,259; Oct. 13.
Patch, E. L., Company, The, Stoneham, Mass. Flavored cod-liver oil. 219,347; Oct. 13.
Peneard, Maurice A., doing business as Peacard Heating and Supply Company, Roxbury, Mass. Ranges, hot-air furnaces, boilers, gas stoves, etc. 212,960; Oct. 13.
Peep O'Day Smoke Co. (See Fink, I. Enie.)
Peerless Preparations, Inc., New York, N. Y. Sanitary napkins. 219,553; Oct. 13.
Pelvo Medicine Co., The. (See Spicer, Charles R.)
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Disinfectant, cleansing, and bleaching agent. 219,554; Oct. 13.
Periodical Digest Corporation, The, New York, N. Y. Column or section published monthly. 216,988; Oct. 13.
Petro, Anthony, New Rochelle, N. Y. Gasoline and lubricating oils. 212,571; Oct. 13.
Pierce, Albert L., doing business as Nu-Way Distributing Co., Altoona, Pa. Furniture and automobile polish. 186,390; Oct. 13.
Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Unitary automotive vehicle electric systems and their parts. 179,081; Oct. 13.
(See Klein, William.)
Placerville Fruit Growers Association, Placerville, Calif. Fresh pears, peaches, plums. 217,181; Oct. 13.
Press-Union Publishing Company, Atlantic City, N. J. Newspaper. 216,989; Oct. 13.
Prince Laboratories, Baton Rouge, La. Hairdressing. 219,087; Oct. 13.
Pyrad Chemical Company. (See Benton, Charles C.)
Radio Medical Laboratories. (See Korbonits, William J.)
Ramer Reviews, Inc., New York, N. Y. Printed periodical published monthly and at other intervals. 218,272; Oct. 13.
Ransom, Vertis A., Manchester, N. H. Preparation to kill flies, lice, and other vermin. 219,201; Oct. 13.
Raynol Products Co. (See Diefenderfer, Thomas F.)
Red Spot Paint & Varnish Company, Inc., Evansville, Ind. Paste and ready-mixed paints, paint enamels, and varnishes. 216,216; Oct. 13.
Regent Chocolate Company, The. (See Hunter, H. Blount.)
Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Ammunition. 215,383; Oct. 13.
Reneau, M. C., doing business as Reneau Laboratory, Houston, Tex. Shampoo. 219,305; Oct. 13.
Robbins, Pearl C., Millgrove, Ind. Liniment. 216,642; Oct. 13.
Robinson, Max W., doing business as New England Magnesia Company, Boston, Mass. Beverages sold as soft drinks. 219,001; Oct. 13.
Robinson, Max W., doing business as New England Magnesia Company, Boston, Mass. Citrate of magnesia. 219,002; Oct. 13.
Rodarte Drug Company, doing business as Vitagenol Medicine Co., El Paso, Tex. Preparation for the treatment of the nerves, blood, the liver, kidney, lungs, and brain. 218,994; Oct. 13.
Roll-O-Way Co., Chicago, Ill. Massage rollers. 217,422; Oct. 13.
Rose Bud Sulfrum Company. (See Schuls, Ernest F.)
Rosenstein, Emanuel D., doing business as Eagle Malt Extract Company, Memphis, Tenn. Malt sirup. 215,655; Oct. 13.
Rubin, Jennie, doing business as The Abbott Dental Brush Manufacturing Co., Philadelphia, Pa. Mandrel-mounted dental brushes. 215,995; Oct. 13.
Ryan, Matthew W., doing business as W. H. Brown Son & Co., New York, N. Y. Cotton piece goods. 219,309; Oct. 13.
S & E Powdered Sugar Co., The. (See Syme, Arthur M. Q.)
Sapieha, Stanislaw, Racine, Wis. Medicine for debility, rheumatism, etc. 219,453; Oct. 13.
Saxon China Company, The, Sebring, Ohio. Plates, cups, platters, etc. 218,876–8; Oct. 13.
Schneider, Emil, Wellston, Mo. Overalls. 217,115; Oct. 13.
Schuls, Ernest F., doing business as Rose Bud Sulfrum Company, Fort Wayne, Ind. Preparation for the treatment of piles. 217,963; Oct. 13.
Shippers' Guide Company, Inc., The, Chicago, Ill. Monthly publication. 216,944; Oct. 13.
Siemen & Hinsch, St. Margarethen, Holstein, Germany. Pumps, hydraulic and pneumatic pump controlling devices, and valves therefor. 217,233; Oct. 13.
Simplicity Engine and Manufacturing Company, Port Washington, Wis. Boring and grinding machines, boring and grinding tools, and parts thereof. 181,783; Oct. 13.
Simpson, Roberts & Co. Ltd., Halifax, Nova Scotia, Canada. Canned lobsters and lobsters in hermetically sealed packages. 216,437; Oct. 13.
Smith, Kline & French Company, Philadelphia, Pa. Medicinal mineral oil. 219,558; Oct. 13.
South Texas Cotton Oil Company, Houston, Tex. Salad oil. 218,025; Oct. 13.
Spicer, Charles R., doing business as The Pelvo Medicine Co., Memphis, Tenn. Medicine in the form of a general tonic and laxative. 216,799; Oct. 13.
Stamm, Lester, doing business as The Monesta Company, New York, N. Y. Toothbrushes. 218,831; Oct. 13.
Standard Oil Company (New Jersey), Bayonne, N. J. Paraffin wax and harness oil. 214,511; Oct. 13.
Stern, Isidor, doing business as National Petticoat Manufacturing Co., New York, N. Y. Knitted and woven underwear. 213,802; Oct. 13.
Stoll Oil Refining Company, Louisville, Ky. Gasoline. 214,515; Oct. 13.
Swartwood-Nelson Paper Co., Minneapolis, Minn. Writing paper. 205,666; Oct. 13.
Swine Liquid Company. (See Larson, Leonard.)
Syme, Arthur M. Q., doing business as The S & E Powdered Sugar Co., Chicago, Ill. Powdered sugar. 211,959; Oct. 13.
Taubensee, Henry A., & Co., Chicago, Ill. Special process of alloy-coated polished-steel sheets and steel sheets of various gauges and sizes. 216,569; Oct. 13.
Technical Research Laboratories, Inc., Philadelphia, Pa. Bath salts. 219,154; Oct. 13.
Texas Company, The, Houston, Tex., and New York, N. Y. Monthly publications. 218,436; Oct. 13.
Thompson, Loren O., doing business as L. O. Thompson Company, New York, N. Y. Silk piece goods. 211,069–70; Oct. 13.
Thomson Wood Finishing Co., The, Philadelphia, Pa. Dry, paste, and ready-mixed paints, paint enamels, varnishes, etc. 201,060; Oct. 13.
Tru-Blu Biscuit Co., Spokane, Wash. Candy. 219,460; Oct. 13.
Union Macaroni Co., Inc., Beaumont, Tex. Macaroni, spaghetti, noodles, and vermicelli. 205,965; Oct. 13.
United States Fuel Company, Salt Lake City, Utah. Coal. 210,819; Oct. 13.
United States Taximeter Corp., Newark, N. J., and New York, N. Y. Fare recorders and registers and mileage and time-record-producing instruments. 204,732; Oct. 13.
Valenstein, Lawrence, doing business as Grey Studios, New York, N. Y. Monthly publication. 217,308; Oct. 13.
Vanity Fair Silk Mills, Reading, Pa. Gloves, underwear, nightgowns, hosiery etc. 213,749; Oct. 13.
Vertex Hosiery Mills, Inc., Weissport, Pa. Hosiery. 216,079; Oct. 13.
Victor Garment Manufacturing Company, Muncie, Ind. Underwear. 217,309; Oct. 13.
Vitagenol Medicines Co. (See Rodarte Drug Company.)
Vital Food Company of California. (See Wilke, Rose.)
Vivi, Inc., New York, N. Y. Face powders, creams, and packs, toilet waters, rouges, etc. 219,262; Oct. 13.
Warner-Quinlan Company, New York, N. Y. Gasoline, road oil, naphtha, and lubricating oil. 217,592; Oct. 13.
Waverly Musical Products Co., Inc., New York, N. Y. Strings for violins, mandolins, guitars, etc. 201,062; Oct. 13.
Weiss & Zabler, New York, N. Y. Mufflers. 217,236; Oct. 13.
Wiggins, Lee W., doing business as The Hygena Laboratories, Atlanta, Ga. Douche powder. 218,227; Oct. 13.
Wilke, Rose, doing business as Vital Food Company of California, Los Angeles, Calif. Salad dressing, edible oils. 211,643; Oct. 13.
Wing, Harry K., Plymouth, Pa. Preparation for the treatment of piles. 219,019; Oct. 13.
Wood, Josephine A., Los Angeles, Calif. Liquid tonic in the treatment of diseases from malaria and nasal spraying solution for colds, coughs, etc. 201,273; Oct. 13.
Wood Shovel and Tool Company, The, Piqua, Ohio. Shovels. 216,660; Oct. 13.
Woodward-Wanger Company, Philadelphia, Pa. Bib and faucet washers. 217,909; Oct. 13.
Woodworth Elevator Company, Minneapolis, Minn. Soft coal. 218,679; Oct. 13.
Zee-Kol Manufacturing Company. (See Nathan, Violet.)

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

## CLASS 1.

Coal. Central States Coal Company. 204,314; Oct. 13; Serial No. 213,363; published July 21, 1925.
Coal. Donk Brothers Coal & Coke Company. 204,378; Oct. 13.
Coal. Sunday Creek Coal Company. 204,372–3; Oct. 13.
Hardware, machines, and miscellaneous goods. Marshall-Wells Hardware Co. 27,102; renewed Sept. 24, 1925.
Seed, Timothy. D. I. Bushnell & Co. 45,421; renewed Aug. 15, 1925.

## CLASS 4.

Abrasive grains and grinding wheels. American Emery Wheel Works. 204,321; Oct. 13; Serial No. 203,555; published Feb. 3, 1925.
Cleaning compound for pens. B. M. Morris. 204,333; Oct. 13.
Clothing and articles for household use, Certain named articles of and material for. Jones Brothers & Co. 27,170; renewed Nov. 5, 1925.
Shoe dressing. Geo. E. Keith Company. 48,478; renewed Jan. 2, 1926.
Soap. Remmers Soap Company. 204,349; Oct. 13.
Soap. I. Rokeach & Sons, Inc. 204,329; Oct. 13.
Soap and washing compound. J. R. Watkins Company. 204,354; Oct. 13.
Soap, Toilet. Cincinnati Soap Company. 45,879; renewed Aug. 29, 1925.

## CLASS 6.

Acids, baking powder, ammonia, etc., Tartaric and citric. E. A. Rahlton Co. 204,204; Oct. 13; Serial No. 205,786; published July 21, 1925.
Aldehyde condensation products. Shawinigan Products Corporation. 204,295; Oct. 13; Serial No. 214,098; published July 21, 1925.
Antiseptics, Intestinal. Societe Anonyme des Produits Chimiques Specinux, Brevets Lumiere. 204,306; Oct. 13; Serial No. 214,829; published July 21, 1925.
Boiler compound. W. W. Phippen. 204,254; Oct. 13; Serial No. 213,040; published July 21, 1925.
Camphor, bile acids, camphor-collelnic acid, etc. C. H. Boehringer Sohn. 204,325; Oct. 13; Serial No. 168,006; published July 21, 1925.
Capsules, Filled gelatin. J. R. Planten. 47,237; renewed Oct. 31, 1925.
Carbonating powder. Church & Dwight Company. 47,448; renewed Nov. 7, 1925.
Chemical materials for removing carbon dioxide from air or other gases. Mine Safety Appliances Company. 204,300; Oct. 13; Serial No. 215,583; published July 21, 1925.
Chemical solution. American Katalite Corporation. 204,243; Oct. 13; Serial No. 214,003; published July 21, 1925.
Cod-liver oil, Manufactured substitute for. Danbury Pharmacal Company. 46,641; renewed Sept. 26, 1925.
Compound, Chemical welding. Cortland Welding Compound Co. 45,476; renewed Aug. 22, 1925.
Compound for killing trees and sprouts. L. L. Coe. 204,280; Oct. 13; Serial No. 214,709; published July 14, 1925.
Compounds, Welding. Cortland Welding Compound Co. 45,443; renewed Aug. 22, 1925.
Compounds, Welding. Cortland Welding Compound Co. 45,477; renewed Aug. 22, 1925.
Corn plasters. W. W. Hughes. 204,302; Oct. 13; Serial No. 215,573; published July 21, 1925.
Corn remedy. J. Adgar. 204,274; Oct. 13; Serial No. 210,774; published July 21, 1925.
Cough cure. Kickapoo Indian Medicine Co. 47,812; renewed Nov. 21, 1925.
Cough sirup. Ni-Late Manufacturing Company. 204,374; Oct. 13.
Dental medicines and preparations. Detroit Dental Manufacturing Company. 204,261; Oct. 13; Serial No. 210,715; published July 21, 1925.
Dental preparations. Dental Laboratory Products Company. 204,279; Oct. 13; Serial No. 214,784; published July 21, 1925.
Dental preparations. R. J. Vaughan. 204,176; Oct. 13; Serial No. 209,756; published June 16, 1925.
Dyes particularly for household use. Arti-Aktiengesellschaft vormals Farbwerk Emil Jansen & Co. 204,281; Oct. 13; Serial No. 214,704; published July 14, 1925.
Embalming fluid. Undertakers' Supply Company. 204,288; Oct. 13; Serial No. 214,521; published July 14, 1925.
Embalming fluid. Undertakers' Supply Company. 204,290; Oct. 13; Serial No. 214,516; published July 14, 1925.
Embalming, Preinjection compound used in. Undertakers' Supply Company. 204,289; Oct. 13; Serial No. 214,517; published July 14, 1925.



Endocrine products. Colwell Pharmacal Corporation. 204,258; Oct. 13; Serial No. 211,518; published July 21, 1925.
Endocrine stimulant to the formation of red blood cells. G. W. Carnrick Co. 204,167; Oct. 13; Serial No. 208,039; published Feb. 24, 1925.
Gasoline fuel, Chemical preparation for intensifying. Aero Gas Company. 204,322; Oct. 13; Serial No. 203,099; published July 21, 1925.
Hair tonic, face powder, etc. M. M. Harper. 204,392; Oct. 13.
Insect powder and mange oil. Fox & Fur Farmers Supply Company. 204,196; Oct. 13; Serial No. 197,805; published July 21, 1925.
Insecticide. Dr. C. Lukas. 204,201; Oct. 13; Serial No. 203,962; published July 14, 1925.
Laxative, Saline. Otis Clapp & Son, Inc. 204,285; Oct. 13; Serial No. 214,610; published July 14, 1925.
Laxatives. Foster-Milburn Co. 46,552; renewed Sept. 26, 1925.
Medical preparation or salve for burns, boils, ulcers, etc. A. K. Swanson. 204,256; Oct. 13; Serial No. 212,974; published July 21, 1925.
Medicinal preparation for anæmia, tuberculosis, etc. Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft. 204,168; Oct. 13; Serial No. 208,040; published July 21, 1925.
Medicine for anæmia and tuberculosis, etc. A. Casseus. 204,287; Oct. 13; Serial No. 214,584; published July 21, 1925.
Negative cotton, collodions, lodizers, and acids. Phillips & Jacobs. 204,260; Oct. 13; Serial No. 210,875; published July 21, 1925.
Oil and agar agar, Bottles containing compound of medicinal. Deschell Laboratories, Inc. 204,318; Oct. 13; Serial No. 208,284; published July 21, 1925.
Oils, Essential. Heine & Co. 204,250–2; Oct. 13; Serial Nos. 213,502–4; published July 21, 1925.
Ointment, Scalp. J. B. Terry. 204,244; Oct. 13; Serial No. 213,997; published July 21, 1925.
Pearls and other articles, Preparation for coating artificial. J. Paisseau. 204,190; Oct. 13; Serial No. 194,209; published July 14, 1925.
Perfume. Peggy Hoyt, Inc. 204,282; Oct. 13; Serial No. 214,682; published July 14, 1925.
Perfume. Peggy Hoyt, Inc. 204,283–4; Oct. 13; Serial Nos. 214,679–80; published July 14, 1925.
Perfumes and hygienic products. Franklin Simon & Co. 204,272; Oct. 13; Serial No. 212,792; published July 21, 1925.
Perfumes, toilet waters, face powders, etc. Coty, Inc. 204,179; Oct. 13; Serial No. 210,785; published July 14, 1925.
Perfumery. Renaud et Cie. of America. 204,276–7; Oct. 13; Serial Nos. 214,814–5; published July 21, 1925.
Perfumery. Renaud et Cie. of America. 204,308; Oct. 13; Serial No. 214,816; published July 21, 1925.
Perfumery, germicides, etc. Renaud et Cie. of America. 204,307; Oct. 13; Serial No. 214,822; published July 21, 1925.
Perfumery, toilet articles and preparations. Richard Hudnut. 27,327; renewed Nov. 26, 1925.
Perfumery, toilet articles and preparations. Richard Hudnut. 27,392; renewed Dec. 3, 1925.
Pharmaceutical preparation. Lloyd Bros. 47,458; renewed Nov. 7, 1925.
Pills, Pain. David H. Fulton & Bro. 204,249; Oct. 13; Serial No. 213,562; published July 21, 1925.
Preparation for coughs, etc. Crystal Chemical Company. 204,310; Oct. 13; Serial No. 213,771; published June 23, 1925.
Preparation for the relief of inflammation and pain. H. C. Pursell. 204,229; Oct. 13; Serial No. 212,151; published June 9, 1925.
Preparation for the treatment of influenza, cuts, sores, etc. R. T. Mauldin. 204,312; Oct. 13; Serial No. 213,588; published July 21, 1925.
Preparation to be added to the bath. J. Worlicek. 204,198; Oct. 13; Serial No. 200,234; published Oct. 28, 1924.
Preparations for the treatment of the curable ailments of the kidneys, liver, etc. Dr. Kilmer & Co. 204,804; Oct. 13; Serial No. 215,518; published July 21, 1925.
Purgative compounds, Liquid. California Fig Syrup Co. 46,827; renewed Oct. 10, 1925.
Remedies for bronchitis, flu, colds, etc. W. K. Buckley, Limited. 204,259; Oct. 13; Serial No. 211,457; published July 21, 1925.
Remedies for catarrh, hay fever, head colds, cuts, etc. Little Doctor Medicine Co. 204,219; Oct. 13; Serial No. 212,937; published July 21, 1925.
Remedies for hay fever, catarrh, piles, burns, etc. Little Doctor Medicine Co. 204,220–1; Oct. 13; Serial Nos. 212,934–5; published July 5, 1925.

Remedies for the treatment of tuberculosis, bronchitis, and chronic coughs. J. W. Zinn. 204,242; Oct. 13; Serial No. 214,040; published July 21, 1925.
Remedy for diseases of the blood, liver, etc. Kickapoo Indian Medicine Co. 46,438; renewed Sept. 19, 1925.
Saleratus, bicarbonate of soda, and sal soda. Church & Dwight Company. 47,947; renewed Nov. 28, 1925.
Salve. Kickapoo Indian Medicine Co. 47,811; renewed Nov. 21, 1925.
Serums for the treatment of arteriosclerosis. G. Stabili. 204,267; Oct. 13; Serial No. 213,671; published July 21, 1925.
Skin-improving fluid. A. E. Smith. 204,297; Oct. 13; Serial No. 213,928; published June 30, 1925.
Soda, saleratus, and baking powder. Bicarbonate of. Church & Dwight Company. 47,946; renewed Nov. 28, 1925.
Specific for kidney and analogous complaints. Foster-Milburn Co. 45,864; renewed Aug. 29, 1925.
Tonic for the stomach and liver. J-V Pharmacy. 204,247; Oct. 13; Serial No. 213,711; published July 21, 1925.
Tonic, General medicinal. Sydney Ross Co. 204,303; Oct. 13; Serial No. 215,537; published July 21, 1925.
Tonic, Nerve. H. E. Storey. 204,253; Oct. 13; Serial No. 213,047; published July 21, 1925.
Wound-healing preparation, Antiseptic. Prof. Dr. M. Claasz. 204,245; Oct. 13; Serial No. 213,954; published July 21, 1925.

CLASS 8.

Pipes. C. H. Lyon. 204,361; Oct. 13.

CLASS 11.

Ink, Colored drawing. L. A. Turner. 204,230; Oct. 13; Serial No. 212,050; published July 21, 1925.

CLASS 12.

Building material, refractory brick and tile. American Refractories Co. 204,218; Oct. 13; Serial No. 213,056; published July 21, 1925.
Building material, refractory brick and tile. F. E. Keeler. 204,217; Oct. 13; Serial No. 213,092; published July 21, 1925.
Cement. Dodwell & Company. 204,331; Oct. 13.
Cement or cement composition, Bituminous. Warren Brothers Company. 46,947; renewed Oct. 17, 1925.
Millwork. Hilgen Manufacturing Company. 204,377; Oct. 13.
Pavements. Bituminous. Warren Brothers Company. 47,476; renewed Nov. 7, 1925.
Poles, piles, ties, etc., Creosoted. Texas Creosoting Co. 204,385; Oct. 13.
Shingles, Roofing. Flintkote Company. 204,309; Oct. 13; Serial No. 213,779; published July 21, 1925.
Windows, doors, blinds, etc. Morgan Sash & Door Company. 204,364–5; Oct. 13.

CLASS 13.

Card holders, Report-. C. L. Bussing. 204,170; Oct. 13; Serial No. 208,221; published July 21, 1925.
Casters, Sliding. Waterbury Button Company. 204,343; Oct. 13.
Cups, Metal. Enterprise Trading Corporation. 204,175; Oct. 13; Serial No. 209,726; published July 21, 1925.
Pipe fittings and valves. Walworth Manufacturing Company. 204,234; Oct. 13; Serial No. 211,640; published June 2, 1925.
Traps, valves, boiler feeders, and damper regulators. W. D. Cashier Co. 204,223; Oct. 13; Serial No. 212,670; published July 21, 1925.
Valves. Spencer Thermostat Company. 204,291; Oct. 13; Serial No. 214,382; published July 21, 1925.
Welding molds. Rail Welding & Bonding Company. 204,298; Oct. 13; Serial No. 213,919; published July 21, 1925.

CLASS 14.

Welding rods. Rail Welding & Bonding Company. 204,299; Oct. 13; Serial No. 213,918; published July 21, 1925.

CLASS 16.

Cleaner and polish for floors, automobiles, etc. L. O. Kerkow. 204,319; Oct. 13; Serial No. 207,790; published July 21, 1925.
Enamel, Finishing. Valentine & Company. 204,293; Oct. 13; Serial No. 214,292; published July 21, 1925.
Liquid driers. Chas. H. Gillespie & Sons. 46,881; renewed Sept. 19, 1925.
Paint and enamel remover. J. B. Ford Company. 204,382; Oct. 13.
Paints. O'Neil Oil & Paint Company. 204,335; Oct. 13.
Paints and varnishes. Lowe Brothers Company. 44,623; renewed July 18, 1925.
Paints, Prepared. Lowe Brothers Company. 44,622; renewed July 18, 1925.
Paints, varnishes, stains, and paint enamels. Star-Peerless Wall Paper Mills. 204,264; Oct. 13; Serial No. 78,938; published July 21, 1925.
Polish, Piano and automobile. G. T. Manley. 204,197; Oct. 13; Serial No. 198,578; published Apr. 7, 1925.
Varnish, paint, and enamel, Cleaner, etc., for. American Cleaner Products Corporation. 204,348; Oct. 13.

CLASS 17.

Cigars, W. F. Clegg. 204,235; Oct. 13; Serial No. 215,437; published July 21, 1925.
Cigars. General Cigar Co. 204,265; Oct. 13; Serial No. 214,657; published July 21, 1925.
Cigars. J. P. Stewart. 46,527; renewed Sept. 26, 1925.
Cigars. J. Weinreich. 47,442; renewed Nov. 7, 1925.

CLASS 19.

Brake or transmission bands. H. B. Eckels. 204,316; Oct. 13; Serial No. 210,050; published July 21, 1925.
Cars, Motor. Kurtz Motor Car Company. 204,394; Oct. 13.
Motor cycles. A. J. Stevens and Company (1914) Limited. 204,228; Oct. 13; Serial No. 212,157; published July 14, 1925.
Vehicle bumpers. Cox Corporation. 204,225; Oct. 13; Serial No. 212,481; published July 14, 1925.

CLASS 21.

Battery flash lights and casings therefor. National Carbon Company. 204,174; Oct. 13; Serial No. 209,583; published June 9, 1925.
Electric conduits, Coated pipes and tubes for. Safety Armorite Conduit Company. 47,807; renewed Nov. 21, 1925.
Electric safety fuses. D. W. Fuse Co. 48,439; renewed Dec. 26, 1925.
Electrical filters and combined filters and rectifiers. Dubilier Condenser & Radio Corporation. 204,342; Oct. 13.
Elevators and dumb-waiters, Electric. Geo. T. McLauthlin Company. 204,363; Oct. 13.
Horns and bases which support said horns. Winkler-Reichmann Company. 204,192; Oct. 13; Serial No. 196,945; published Nov. 25, 1924.
Horns, Automobile. Sparks-Withington Company. 204,178; Oct. 13; Serial No. 210,507; published July 21, 1925.
Radiocabinets, Cushions for supporting. E. B. Neil. 204,200; Oct. 13; Serial No. 202,260; published July 21, 1925.
Radio receiving sets. Ludwig Baumann & Co. 204,231; Oct. 13; Serial No. 211,775; published June 9, 1925.
Radio receiving sets. Radio Products Corporation. 204,246; Oct. 13; Serial No. 213,734; published July 7, 1925.
Radio receiving sets and radio-frequency transformers, condensers, and resistances. C. L. Farrand. 204,191; Oct. 13; Serial No. 196,053; published July 21, 1925.
Radio receiving sets, Complete. Freed-Eisemann Radio Corporation. 204,344; Oct. 13.
Radio receiving sets, parts thereof, loud speakers, and loop antennæ therefor. Reichmann Company. 204,262–3; Oct. 13; Serial Nos. 210,187–8; published July 21, 1925.
Switches. Cooper Hewitt Electric Company. 204,345; Oct. 13.

CLASS 22.

Balls, rackets, golf sticks, etc. John Wanamaker Philadelphia. 204,210; Oct. 13; Serial No. 206,448; published July 21, 1925.
Balls, tennis rackets, golf sticks, etc. John Wanamaker Philadelphia. 204,208; Oct. 13; Serial No. 206,466; published July 21, 1925.
Balls, tennis rackets, golf sticks, etc. John Wanamaker Philadelphia. 204,209; Oct. 13; Serial No. 206,463; published July 21, 1925.
Bats, Baseball. J. F. Hillerich & Son. 25,510; renewed Nov. 13, 1924.
Cards, Playing. United States Playing Card Co. 46,674; renewed Oct. 3, 1925.
Cards, Playing. United States Playing Card Company. 204,255; Oct. 13; Serial No. 212,978; published July 21, 1925.
Dolls, toy figures, and mechanical toys. Geo. Borgfeldt & Co. 204,241; Oct. 13; Serial No. 214,121; published July 21, 1925.
Game. C. H. Vinal. 204,266; Oct. 13; Serial No. 214,225; published July 21, 1925.
Game of chance, Rotating. W. P. Bockin. 204,248; Oct. 13; Serial No. 213,687; published July 21, 1925.
Games, baseballs, tennis rackets, quoits, etc. Abraham & Straus, Inc. 204,212; Oct. 13; Serial No. 186,096; published July 21, 1925.
Golf balls. Goodyear Tire & Rubber Company. 204,324; Oct. 13; Serial No. 196,740; published July 21, 1925.

CLASS 23.

Rasps and files. Stokes Bros. Manufacturing Co. 27,474; renewed Dec. 10, 1925.
Wrenches, Adjustable screw. Coes Wrench Co. 46,548; renewed Sept. 26, 1925.
Wrenches, Adjustable screw. Coes Wrench Co. 47,177; renewed Oct. 31, 1925.

CLASS 26.

Gauges, ammeters, and volt meters, Oil and gasoline. Tiffany Manufacturing Company. 204,181; Oct. 13; Serial No. 211,139; published July 21, 1925.



Measuring surface tension, Appliances for. Central Scientific Company. 204,216; Oct. 13; Serial No. 213,224; published July 21, 1925.
Pantographs and drawing boards. Educational Service, Inc. 204,173; Oct. 13; Serial No. 209,283; published May 5, 1925.
Photographic materials, particularly film, Sensitized. Ansco Photoproducts, Inc. 204,227; Oct. 13; Serial No. 212,361; published July 21, 1925.
Skirt markers and rulers, Combined. D. W. Trembath. 204,294; Oct. 13; Serial No. 214,203; published July 21, 1925.

CLASS 27.

Watchcases. Bulova Watch Company. 204,350; Oct. 13.
Watchcases. Star Watch Case Co. 204,313; Oct. 13; Serial No. 213,597; published July 21, 1925.
Watchcases and watch movements. Dueber Watch Case M'fg Co. 45,596; renewed Aug. 22, 1925.

CLASS 28.

Compact cases, mesh bags, purses, rings, bracelets, etc. Gilbert & Co. 204,203; Oct. 13; Serial No. 205,750; published June 9, 1925.
Compact cases, vanity purses, finger rings, etc. H. G. Kaufman. 204,215; Oct. 13; Serial No. 213,241; published July 21, 1925.
Jewelry. Krementz & Company. 204,226; Oct. 13; Serial No. 212,443; published July 21, 1925.

CLASS 29.

Windshield cleaners. All Clear Windshields, Inc. 204,320; Oct. 13; Serial No. 205,103; published Aug. 4, 1925.

CLASS 31.

Refrigerators. W. V. Staib Company. 204,387; Oct. 13.
Refrigerators, Show-case. Harry L. Hussmann Refrigerator & Supply Company. 204,395; Oct. 13.

CLASS 32.

Beds, cribs, cots, davenettes. Evansville Metal Bed Co. 204,327; Oct. 13.
Bedsteads. Greenpoint Metallic Bed Co. 204,366; Oct. 13.
Desks and typewriter cabinets. Horrocks Desk Co. 47,425; renewed Nov. 7, 1925.

CLASS 34.

Boilers. Gurney Heater Manufacturing Company. 46,423; renewed Sept. 19, 1925.
Boilers for heating apparatus, Steam and hot-water. Gurney Heater Manufacturing Company. 47,330; renewed Oct. 31, 1925.
Furnaces, Oil and gas. J. T. Thorpe & Son, Inc. 204,367; Oct. 13.
Grates, Water. Economy Supply and Equipment Company. 204,340; Oct. 13.
Mantles, Incandescent gas. Welsbach Company. 204,182; Oct. 13; Serial No. 211,435; published July 21, 1925.
Stoves and ranges. Anchor Stove & Range Company. 46,502; renewed Sept. 26, 1925.
Stoves, ranges, heaters, furnaces, and parts thereof. Pittsburgh Stove & Range Company. 46,401; renewed Sept. 19, 1925.
Stoves, ranges, heaters, gas burners, etc. Pittsburgh Stove & Range Company. 46,524; renewed Sept. 26, 1925.
Stoves, ranges, heaters, hot plates, furnaces, and parts thereof. Pittsburgh Stove & Range Company. 46,138; renewed Sept. 5, 1925.

CLASS 36.

Accordions. Lyon & Healy. 48,419; renewed Dec. 26, 1925.
Phonograph needles. Wall-Kane Needle Mfg. Co. 204,341; Oct. 13.

CLASS 37.

Books, Blank. S. E. & M. Vernon Inc. 204,351; Oct. 13.
Multiplying masse and wax paper. Greif-Werke vormals Deutsche Bürobedarfsgesellschaft Bruer & Co. 204,199; Oct. 13; Serial No. 200,356; published June 2, 1925.
Paper, Bond. Alling & Cory Company. 204,371; Oct. 13.
Paper clips. J. O. Winks. 204,188; Oct. 13; Serial No. 176,308; published May 5, 1925.
Paper, Wrapping. Fox Paper Company. 204,330; Oct. 13.
Pencils, Lead. Eagle Pencil Company. 44,922–3; renewed Aug. 1, 1925.
Pencils, Lead. Eagle Pencil Company. 44,925; renewed Aug. 1, 1925.
Pencils, Lead. Eagle Pencil Company. 45,700; renewed Aug. 29, 1925.
Pencils, Lead. J. R. Watkins Company. 204,353; Oct. 13.
Penholders. Eagle Pencil Company. 44,926; renewed Aug. 1, 1925.

CLASS 38.

Comic strip. NEA Service, Inc. 204,171–2; Oct. 13; Serial Nos. 208,671–2; published Mar. 24, 1925.
Comic strip. NEA Service, Inc. 204,183–4; Oct. 13; Serial No. 206,423–4; published Mar. 31, 1925.
Comic strip. NEA Service, Inc. 204,185; Oct. 13; Serial No. 204,185; published Mar. 31, 1925.
Comic strip. NEA Service, Inc. 204,205–6; Oct. 13; Serial Nos. 206,423–4; published Mar. 31, 1925.
Manuals and songbooks, Stock-raisers'. J. R. Watkins Company. 204,357; Oct. 13.
Periodical. Levey Bros. & Co. 45,197; renewed Aug. 8, 1925.

CLASS 39.

Blouses, knickers, and bloomers. Kenilworth Manufacturing Co. 204,207; Oct. 13; Serial No. 209,922; published July 7, 1925.
Boots and shoes. Holland Shoe Company. 204,368–9; Oct. 13.
Boots and shoes, Leather. Wingo, Ellett & Crump Shoe Co. 48,490; renewed Jan. 2, 1926.
Boots, shoes, and slippers. Scholl Manufacturing Company. 204,211; Oct. 13; Serial No. 199,254; published July 21, 1925.
Caps. Hirschberg & Company. 204,391; Oct. 13.
Clothes, Children's play. Abraham & Straus, Inc. 204,346; Oct. 13.
Clothing, Men's outer. F. L. Dunne. 25,564; renewed Dec. 4, 1924.
Coats and sweaters for men and boys, Knitted. Jersild Knitting Company. 204,380; Oct. 13.
Coats, capes, hats, etc. B. Sherman. 204,339; Oct. 13.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 204,384; Oct. 13.
Corsets and brassières. A. Zwiebelson. 204,180; Oct. 13; Serial No. 210,873; published July 7, 1925.
Corsets and girdles. Peerless Corset Co. 204,347; Oct. 13.
Dresses, Women's. Biberman Brothers, Inc. 204,240; Oct. 13; Serial No. 214,705; published July 21, 1925.
Gloves and hosiery. John S. Brittain Dry Goods Co. 26,930; renewed Aug. 13, 1925.
Hats for men, Felt. Ferry Hat Manufacturing Company. 204,232; Oct. 13; Serial No. 211,739; published July 7, 1925.
Hats, Ladies'. C. & S. Hat and Frame Co. 204,311; Oct. 13; Serial No. 213,765; published July 14, 1925.
Hats, Straw. Brigham-Hopkins Company. 46,822; renewed Oct. 10, 1925.
Hosiery. Bear Brand Hosiery Co. 204,239; Oct. 13; Serial No. 214,773; published July 21, 1925.
Hosiery. Onlibest Hosiery Mills. 204,383; Oct. 13.
Hosiery. Philadelphia Knitting Mills Company. 204,323; Oct. 13; Serial No. 190,517; published July 22, 1924.
Hosiery. A. V. Victorius & Co. 204,338; Oct. 13.
Hosiery and sweaters. Cadet Knitting Company. 204,337; Oct. 13.
Hosiery and underwear. M. Alperin & Sons, Inc. 204,169; Oct. 13; Serial No. 208,216; published June 16, 1925.
Hosiery, Ladies'. Montgomery Ward & Co. 204,237; Oct. 13; Serial No. 214,922; published July 21, 1925.
Hosiery, mufflers, etc., Men's. Kramer Brandeis, Inc. 204,381; Oct. 13.
Hosiery, underwear, and pyjamas for men. Wolfe Brothers. 204,379; Oct. 13.
Kimonos, house dresses, aprons, bath robes. Caro & Company. 204,257; Oct. 13; Serial No. 212,320; published June 23, 1925.
Neckties. Majestic Neckwear Co. 204,269; Oct. 13; Serial No. 213,384; published July 21, 1925.
Neckties, hosiery, and garters. Tie-Art Company. 204,177; Oct. 13; Serial No. 209,882; published July 14, 1925.
Overcoats and suits, Men's. Sherman & Sons Inc. 204,376; Oct. 13.
Overcoats, coats, vests, and pants. J. Marmur. 204,214; Oct. 13; Serial No. 171,428; published July 14, 1925.
Petticoats. Henry Hirschberg Inc. 204,238; Oct. 13; Serial No. 214,867; published July 21, 1925.
Shirts. Cluett, Peabody & Co. 204,273; Oct. 13; Serial No. 211,978; published July 21, 1925.
Shirts, overalls, jumpers, etc. Suffolk Overall Co. 204,386; Oct. 13.
Shoes. D. Mussoff. 204,193; Oct. 13; Serial No. 197,106; published Aug. 12, 1924.
Shoes, S. Newman Shoes, Inc. 204,352; Oct. 13.
Shoes and slippers. I. Miller & Sons, Inc. 204,359–60; Oct. 13.
Shoes, boots, and leggings. Kranz Mercantile Co. 204,213; Oct. 13; Serial No. 176,555; published July 21, 1925.
Shoes, boots, slippers, pumps, and oxfords. Frank Werner Co. 204,202; Oct. 13; Serial No. 205,185; published July 14, 1925.
Soles, Cut. Stephenson & Osborne. 204,233; Oct. 13; Serial No. 211,721; published July 14, 1925.
Suits, overcoats, and topcoats, Men's. Joffe & Kaufman. 204,275; Oct. 13; Serial No. 210,562; published July 21, 1925.
Suspenders, garters, arm bands, and belts. Pioneer Suspender Company. 204,317; Oct. 13; Serial No. 208,867; published July 21, 1925.

Ties and scarfs. Eagle Knitting Mills. 204,236; Oct. 13; Serial No. 214,949; published July 21, 1925.
Underwear. John E. Hanifen Company. 204,222; Oct. 13; Serial No. 212,808; published June 30, 1925.
Underwear. John E. Hanifen Company. 204,271; Oct. 13; Serial No. 212,810; published July 21, 1925.
Underwear, hosiery, and sweaters. A. Kommel & Sons. 204,270; Oct. 13; Serial No. 213,178; published July 24, 1925.

CLASS 40.

Hair curlers. Magic Curler Company. 44,883; renewed July 25, 1925.
Hooks and eyes. De Long Hook & Eye Company. 45,877; renewed Aug. 29, 1925.

CLASS 42.

Handkerchiefs. Best & Co. 204,370; Oct. 13.
Ribbon. M. Siegel. 204,336; Oct. 13.

CLASS 44.

Bandages, tourniquets, etc. Mine Safety Appliances Company. 204,301; Oct. 13; Serial No. 215,582; published July 21, 1925.
Dental appliances. R. E. L. Miller. 204,278; Oct. 13; Serial No. 214,809; published July 21, 1925.
Fibrous material. Absorbent Linen Corporation. 204,292; Oct. 13; Serial No. 214,347; published July 21, 1925.
Napkin supporter and dress shield, Combined. M. A. OBrien. 204,296; Oct. 13; Serial No. 214,029; published July 21, 1925.
Prophylactic membranous articles. L. Hilsenbeck. 204,305; Oct. 13; Serial No. 215,371; published July 21, 1925.
Splint for treatment of hammer toes. C. R. Acfield. 204,315; Oct. 13; Serial No. 213,342; published July 21, 1925.
Surgical bandages and supporters, Elastic. Thomas Henry & Sons, Inc. 204,194; Oct. 13; Serial No. 197,228; published July 21, 1925.

CLASS 46.

Candies. Cream Store, Inc. 204,224; Oct. 13; Serial No. 212,595; published June 23, 1925.
Candy. W. Brownley. 46,254; renewed Sept. 12, 1925.
Candy. M. H. Lewis. 204,390; Oct. 13.
Candy. Reymer & Brothers Incorporated. 48,526; renewed Jan. 2, 1926.
Canned berries. Western Oregon Packing Corporation. 204,326; Oct. 13.
Canned peaches. Hunt Brothers Packing Company. 204,189; Oct. 13; Serial No. 187,462; published Jan. 6, 1925.
Cereal foods, Breakfast. Topeka Milling Company. 45,344; renewed Aug. 15, 1925.
Cereal product or preparation. J. H. Kellogg. 27,209; renewed Nov. 12, 1925.
Coffee. F. S. Phinney. 204,358; Oct. 13.
Coffee, tea, spices. Roe-Ankeny Co. 204,195; Oct. 13; Serial No. 197,685; published July 7, 1925.
Confection, Frozen. F. L. Hunting. 204,389; Oct. 13.
Farinaceous dietitic foods. Merrell-Soule Company. 44,571; renewed July 11, 1925.
Flour, Wheat. Bill, Bell & Co. 46,418; renewed Sept. 19, 1925.
Flour, Wheat. Central Minn. Power & Milling Co. 204,286; Oct. 13; Serial No. 153,340; published Mar. 10, 1925.
Flour, Wheat. Phoenix Flour Mill. 46,894; renewed Oct. 17, 1925.
Flours and flavoring extracts, powders, and pastes, Prepared. R. C. Eaton. 204,187; Oct. 13; Serial No. 173,883; published Aug. 12, 1924.
Gelatin. C. B. Knox. 47,652; renewed Nov. 14, 1925.
Grapes. Italian Vineyard Company. 204,362; Oct. 13.
Ham and bacon. East Side Packing Company. 204,334; Oct. 13.
Lettuce, potatoes, etc., Fresh. Poso Land & Products Co. 204,388; Oct. 13.
Malt extract. E. M. Blumenthal. 204,375; Oct. 13.
Mustard and spices. Stickney & Poor Spice Company. 48,267; renewed Dec. 19, 1925.
Oleomargarine. Capital City Dairy Company. 46,157; renewed Sept. 5, 1925.
Oranges, lemons, grapefruit. Olive Heights Citrus Association. 204,328; Oct. 13.
Peanuts. Norfolk Storage Company. 204,332; Oct. 13.
Poultry, butter, and eggs, Dressed. Omaha Cold Storage Company. 204,355-6; Oct. 13.
Soups, Condensed. Joseph Campbell Company. 48,461; renewed Jan. 2, 1926.

CLASS 48.

Malt extract. Life Savers, Inc. 204,268; Oct. 13; Serial No. 213,582; published July 21, 1925.

CLASS 50.

Asbestos sheeting. H. B. Potter Company. 204,393; Oct. 13.
Library outfit. American News Company. 204,186; Oct. 13; Serial No. 207,440; published July 21, 1925.

# ALPHABETICAL LIST OF LABELS.

Agmel. For a Medicinal Preparation. Agmel Corporation. 29,307; Oct. 13.
Ama-Lac Automobile Lacquer. For Automobile Lacquer. Pacific Lacquer & Varnish Co. 29,327; Oct. 13.
Base Ball The National Game—Ball Gum The National Chew. For Chewing Gum. National Gum Co. 29,321; Oct. 13.
Bonnybrook. For Milk Chocolates Containing Assorted Nuts, Fruits, etc. Stephen F. Whitman & Son, Inc. 29,335; Oct. 13.
Boyden's. For Honey. A. L. Boyden. 29,308; Oct. 13.
Braunstein's 100 % Pure Malt Extract. For Malt Extract. J. Braunstein. 29,309; Oct. 13.
Connecticut Pale Ginger Ale. For Ginger Ale. Connecticut Ginger Ale Co. 29,311; Oct. 13.
Everready Lantern. For Battery Hand Lamps. National Carbon Company. 29,319; Oct. 13.
Fireside Brooms. For Brooms. S. A. Ripple & Bros. 29,331; Oct. 13.
Gold Bond. For Bread. S. M. Phillips. 29,328; Oct. 13.
Goldy & Dusty The Broadcast Soap Flakes. For Soap Flakes. Gold Dust Corporation. 29,314; Oct. 13.
Home Brand Oleomargarine. For Oleomargarine. Menasha Printing and Carton Company. 29,318; Oct. 13.
I X L. For Oranges. Osborne Fruit & Vegetable Co. 29,325; Oct. 13.
Jamaica Pure. For Ginger Ale. John Graf Co. 29,315; Oct. 13.
Kant-Kick. For Spark-Control and Starter Switches. Rapp & Cheney Company. 29,330; Oct. 13.
Lone Star. For Coffee. W. L. Evans. 29,313; Oct. 13.
Mary Sweet. For Candy. Mary Sweet Candy Company. 29,317; Oct. 13.
Mazzini. For Malt Sirup. J. Di Santo. 29,312; Oct. 13.
Osborne. For Oranges. Osborne Fruit & Vetgetable Co. 29,326; Oct. 13.
Portage. For Butter. Portage Co-Operative Creamery Association. 29,329; Oct. 13.
Primrose Products Co. For Hair Tonic. H. Kamison. 29,316; Oct. 13.
Raisin Bran. For Breakfast Food. Skinner Manufacturing Company. 29,334; Oct. 13.
Silvray. For Electrical Lamps. Silvray Co. 29,333; Oct. 13.
South African Pineapple Chunks. For Pineapple Chunks. M. A. Schlesinger. 29,332; Oct. 13.
Sum-Chu. For Chewing Gum. National Gum Co. 29,320; Oct. 13.
Sunburst. For Hosiery. Neely, Harwell & Co. 29,323; Oct. 13.
Top Notch. For Oranges. Osborne Fruit & Vegetable Co. 29,324; Oct. 13.
Tried And True. For Shirts. Neely, Harwell & Co. 29,322; Oct. 13.
Q F C Brand Coffee. For Coffee. F. C. Brown & Company. 29,310; Oct. 13.

# ALPHABETICAL LIST OF PRINTS.

America's Best Cartons. For Paper Cartons. Sefton Manufacturing Corporation. 8,274; Oct. 13.
"B. V. D." Union Suits Me. For Athletic Underwear. B. V. D Company. 8,257; Oct. 13.
Columbiaknit. For Swimming Suits. Columbia Knitting Mills. 8,261; Oct. 13.
Cream Of Wheat Mixture Used By Baby Specialists. For Wheat Breakfast Food. Cream Of Wheat Co. 8,263; Oct. 13.
Displaying a Product. For Paper Cartons. Sefton Manufacturing Corporation. 8,275; Oct 13.
Easy Writing Royal Typewriter, The. For Typewriting Machines. Royal Typewriter Company. 8,272; Oct. 13.
Goldy Dusty. For Washing Powder. Gold Dust Corporation. 8,267; Oct. 13.
Kay-Ei. For Vaults. Kay-Ei Manufacturing Company. 8,269; Oct. 13.



Mapacuba Cigars Etc. Fora Cigars. Bayuk Cigars Incorporated. 8,258; Oct. 13.
Mohawk Electric M'f'g. Co. For Fire-Alarm and Radio-Apparatus Devices. E. H. Rollinson. 8,271; Oct. 13.
Myrathum Parfum. For Toilet Articles and Perfumery. Scherk Importing Company. 8,273; Oct. 13.
Physicians Recommend It Because It Is Always The Same. For Wheat Breakfast Food. Cream Of Wheat Co. 8,262; Oct. 13.
Quality Forever-Moore. For Paints, Varnishes, and Muresco. Benjamin Moore & Co. 8,270; Oct. 13.
Radiogas. For Gasoline. Duquesne Gasoline & Supply Co. 8,266; Oct. 13.
7 Point Shirt Service. For Shirts and Parts Thereof. Berg & Watson. 8,259; Oct. 13.
Start The Day Right With Breakfast Etc. For Wheat Breakfast Food. Cream of Wheat Co. 8,265; Oct. 13.
These Rich Food Values In A Breakfast Bowl Of Cream Of Wheat. For Wheat Breakfast Food. Cream Of Wheat Co. 8,264; Oct. 13.
Unconditionally Guaranteed. For Hosiery. Cadet Knitting Company. 8,260; Oct. 13.
Urban's Self Rising Up An Up Flour. For Flour. George Urban Milling Co. 8,276; Oct. 13.
Word of five letters that means fifty-seven. For Heinz 57 Varieties. H. J. Heinz Co. 8,268; Oct. 13.

# CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. United States Fuel Company. 210,819; Oct. 13.
Coal, Soft. Woodworth Elevator Company. 218,679; Oct. 13.
Fire-kindling preparation. J. Dutton. 213,626; Oct. 13.

CLASS 4.

Cleaning and polishing compound. B. Heller & Company. 202,450; Oct. 13.
Paraffin wax and harness oil. Standard Oil Company (New Jersey). 214,511; Oct. 13.
Soap chips. James S. Kirk & Company. 207,818; Oct. 13.

CLASS 6.

Chemical preparation. Fluxo Products Company. 212,378; Oct. 13.
Citrate of magnesia. M. W. Robinson. 219,002; Oct. 13.
Cod-liver-extract compound. H. K. Mulford Company. 219,443; Oct. 13.
Corrosion paste. W. M. Ducote. 210,170; Oct. 13.
Dentifrice and mouth wash. H. K. Mulford Company. 219,441; Oct. 13.
Digestant, aperient, and adjuvant. H. K. Mulford Company. 219,442; Oct. 13.
Disinfectant, cleansing, and bleaching agent. Pennsylvania Salt Manufacturing Company. 219,554; Oct. 13.
Douche powder. L. W. Wiggins. 218,227; Oct. 13.
Hairdressing. Prince Laboratories. 219,087; Oct. 13.
Hairdressings. Boyd Manufacturing Company. 219,222; Oct. 13.
Hair tonic. W. Klein. 219,035; Oct. 13.
Insecticide. Gilpin, Langdon & Company. 218,913; Oct. 13.
Laxative medicines. Dr. Miles Medical Company. 211,795; Oct. 13.
Liniment. P. C. Robbins. 216,642; Oct. 13.
Medicine for constipation, torpid liver, etc. W. J. Korbanits. 193,467; Oct. 13.
Medicine for debility, rheumatism, etc. S. Sapicha. 219,453; Oct. 13.
Medicine for the treatment of rheumatism, gout, and blood disorders. Bosul Company. 218,240; Oct. 13.
Medicine to prevent perspiration of feet. J. Gagl. 219,030; Oct. 13.
Motor-fuel compound. C. C. Benton. 219,055; Oct. 13.
Nonfreezing radiator fluid. Eureka Products Co. 218,901; Oct. 13.
Oil, Flavored cod-liver. E. L. Patch Company. 219,347; Oct. 13.
Oil, Medicinal mineral. Smith, Kline & French Company. 219,558; Oct. 13.
Oil, Russian mineral. Avri Drug & Chemical Company. 218,892; Oct. 13.
Ointment. T. F. Diefenderfer. 219,113; Oct. 13.
Perfumes, toilet waters, face creams, etc. Parfumerie Rigaud, Inc. 219,259.
Photographic materials. C. R. La Roe. 214,168; Oct. 13.
Powder, Foot perspiration. M. Frycs. 219,389; Oct. 13.
Powders, creams, and packs, toilet waters, rouges, etc., Face. Kip-So Products Co. 219,287; Oct. 13.
Powders, creams, and packs, toilet waters, rouges, etc., Face. S. H. Kress & Co. 219,289; Oct. 13.
Powders, creams, and packs, toilet waters, rouges, etc., Face. Vivi, Inc. 219,262; Oct. 13.
Preparation for diabetic patients. H. A. Metz Laboratories, Inc. 219,039; Oct. 13.
Preparation for the treatment of piles. E. F. Schulz. 217,963; Oct. 13.
Preparation for the treatment of piles. H. K. Wing. 219,019; Oct. 13.
Preparation for the treatment of the nerves, blood, the liver, etc. Rodarte Drug Company. 216,994; Oct. 13.
Preparation to be used as a blood purifier, antirheumatic, and tonic. M. V. Ballesteros. 217,981; Oct. 13.
Preparation to kill flies, lice, etc. V. A. Ransom. 219,201; Oct. 13.
Preparation or compounds, fluorides, etc., Wood-preserving, plant and animal destroying. Grubenheis-Impriglerung G. m. b. H. 219,180; Oct. 13.
Salts, Bath. Technical Research Laboratories, Inc. 219,154; Oct. 13.
Shampoo. M. C. Reneau. 219,305; Oct. 13.
Shampoo bags. Hanly Products Co. 218,965; Oct. 13.
Shaving cream. V. Nathan. 204,109; Oct. 13.
Toilet preparations, Facial and skin. American Beauty Co. 217,914; Oct. 13.
Tonic and blood medicine. Kirby-Gifford Company. 214,267; Oct. 13.
Tonic and laxative, General. C. R. Spicer. 216,799; Oct. 13.
Tonic and nasal spraying solution, Liquid. J. A. Wood. 201,273; Oct. 13.
Tonic, Hog. L. Larson. 218,561; Oct. 13.

CLASS 8.

Pipes. A. Orlick. 219,447; Oct 13

CLASS 9.

Ammunition. Remington Arms Company. 215,383; Oct. 13.
Matches. Billboard Match Company. 218,895; Oct. 13.
Matches. Dougal Bros. 218,745; Oct. 13.

CLASS 12.

Construction and insulating materials and the mixture used in preparing the aforesaid materials. Illinois Asbestos Products Company. 213,305; Oct. 13.
Doors, windows, and moldings. Interior trim for. Frederick J. Bruce, Inc. 218,466; Oct. 13.
Roofing material. Paraffine Companies, Inc. 192,787; Oct. 13.

CLASS 13.

Nonskid chains and nonskid units. Arrow Grip Manufacturing Co. 218,096; Oct. 13.
Plumbing fixtures, Pottery. J. L. Mott Company. 217,892; Oct. 13.
Screws. Interstate Iron & Steel Company. 214,664; Oct. 13.
Screws. Interstate Iron & Steel Company. 216,601; Oct. 13.

CLASS 14.

Steel sheets. Henry A. Taubensee & Co. 216,569; Oct. 13.

CLASS 15.

Gasoline. Stoll Oil Refining Company. 214,515; Oct. 13.
Gasoline and lubricating oils. A. Petro. 212,571; Oct. 13.
Gasoline, rond and lubricating oils, naphtha. Warner-Quinlan Company. 217,592; Oct. 13.

CLASS 16.

Enamel paint. Keystone Varnish Company. 215,373; Oct. 13.
Paint lacquers and enamels. John Lucas & Company. 217,589; Oct. 13.
Paints, paint enamels, and varnishes. Red Spot Paint & Varnish Company. 212,216; Oct. 13.
Paints, varnishes, stains, etc. Thomson Wood Finishing Co. 201,060; Oct. 13.
Polish, Furniture and automobile. A. L. Pierce. 186,390; Oct. 13.
White, Mill. Marietta Paint & Color Company. 212,625; Oct. 13.

CLASS 20.

Linoleum. Belknap Hardware & Manufacturing Company. 214,842; Oct. 13.

CLASS 21.

Batteries and spark plugs. Storage. Certain-teed Products Corporation. 218,469; Oct. 13.
Electric system, Automotive vehicle. Pierce-Arrow Motor Car Company. 179,681; Oct. 13.
Electrical relay switches, pouring ladles, and heating apparatus. J. S. Dunn. 215,068; Oct. 13.
Electrical relay switches, pouring ladles, and heating apparatus. J. S. Dunn. 215,387; Oct. 13.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Radio electron tubes. H. Chirelstein. 218,613; Oct. 13.
Radio equipment. Electrad, Inc. 206,286; Oct. 13.
Radio receiving sets. D. X. Instrument Company. 218,454; Oct. 13.
Radioreception, Electron tubes used in. C. R. Ablett. 216,375; Oct. 13.
Telegraph keys or transmitters. J. H. Bunnell & Company. 200,430; Oct. 13.
Telegraph keys or transmitters. J. H. Bunnell & Company. 210,950; Oct. 13.

CLASS 22.

Bait, Artificial. John J. Hildebrandt Company. 218,813; Oct. 13.
Dolls. E. G. Adrian. 218,942; Oct. 13.

CLASS 23.

Boring and grinding machines, etc., and parts thereof. Simplicity Engine and Manufacturing Company. 181,783; Oct. 13.
Harrows, cultivators, plows, etc. Cutaway Harrow Company. 217,542; Oct. 13.
Pumps, pump-controlling devices, and valves therefor. Siemen & Hinsch. 217,233; Oct. 13.
Shovels. Wood Shovel and Tool Company. 216,660; Oct. 13.

CLASS 25.

Locks, keys, and parts of locks. Best Universal Lock Co. 212,316; Oct. 13.
Locks, keys, and parts of locks. Best Universal Lock Co. 212,318–19; Oct. 13.

CLASS 26.

Fare recorders and registers, and mileage and time-record-producing instruments. United States Taximeter Corp. 204,732; Oct. 13.
Photographic papers. Mimosa Aktiengesellschaft. 205,833; Oct. 13.

CLASS 28.

Buttons and links, buckles, key rings, etc., Cuff. B. A. Ballou & Co. 219,520; Oct. 13.
Rings, ornamental pins, and brooches, Finger. C. G. King & Company. 214,553; Oct. 13.
Rings, Wedding. J. B. Bowden & Co. 219,372; Oct. 13.

CLASS 29.

Toothbrushes. L. Stamm. 218,831; Oct. 13.

CLASS 30.

Plates, cups, platters, bowls, and other tableware pottery. Saxon China Company. 218,376–8; Oct. 13.
Porcelain and china goods. Gilbert & Co. 219,623; Oct, 13.
Pottery. Lenox Incorporated. 218,013; Oct. 13.

CLASS 32.

Furniture, Household. Abraham & Straus, Inc. 200,303; Oct. 13.

CLASS 34.

Ranges, furnaces, boilers, stoves, etc. M. A. Peacard. 212,960; Oct. 13.

CLASS 35.

Tire patches, Rubber. Central Laboratories Co. 218,609; Oct. 13.
Washers, Bib and faucet. Woodward-Wanger Company. 217,909; Oct. 13.

CLASS 36.

Music rolls and combination music and word rolls. International Player Roll Company. 218,308; Oct. 13.
Saxophones, Supporting strap for. N. B. Bailey. 217,244; Oct. 13.
Talking machines and phonographs and parts thereof, disks, records, etc. Carl Lindström Aktiengesellschaft. 212,390; Oct. 13.
Violins, guitars, banjos, etc., Strings for. Waverly Musical Products Co. 201,062; Oct. 13.

CLASS 37.

Index holders and index holder sheets. Irving-Pitt Manufacturing Company. 216,837; Oct. 13.
Paper, Printing, writing, etc. New Jersey Coated Paper Co. 213,394; Oct. 13.
Paper, Printing, writing, etc. New Jersey Coated Paper Co. 213,396; Oct. 13.
Paper, Writing. Swartwood-Nelson Paper Co. 205,666; Oct. 13.

CLASS 38.

Column or section. Periodical Digest Corporation. 216,988; Oct. 13.
Magazine, Monthly. Cycling Press, Inc. 216,262; Oct. 13.
Magazine, Monthly. Macfadden Publications Incorporated. 218,518; Oct. 13.
Newspaper. Press-Union Publishing Company. 216,989; Oct. 13.
Newspaper, Daily. News Publishing Company. 218,994; Oct. 13.
Periodical, Printed. Ramer Reviews, Inc. 218,272; Oct. 13.
Publication. M. E. Jones. 219,394; Oct. 13.
Publication, Monthly. Fawcett Publications, Inc. 218,358; Oct. 13.
Publication, Monthly. Shippers' Guide. 216,944; Oct. 13.
Publication, Monthly. L. Valenstein. 217,308; Oct. 13.
Publication, Periodical. High School Teacher Company. 218,305; Oct. 13.
Publications, Monthly. Texas Company. 218,436; Oct. 13.

CLASS 39.

Boots and shoes. B. F. Goodrich Company. 217,508; Oct. 13.
Clothing, Men's and young men's. Field's Club Style Clothes. 218,251; Oct. 13.
Clothing, Work and out-of-door. Haymon Krupp & Co. 218,259; Oct. 13.
Corsets. H. W. Gossard Co. 217,025; Oct. 13.
Dresses, aprons, blouses, etc. S. L. Munson Co. 209,539; Oct. 13.
Dresses, Ladies'. Melville A. Gunst Costume Co. 216,779; Oct. 13.
Garters. Mishawaka Rubber and Woolen Manufacturing Company. 215,585; Oct. 13.
Gloves, coats, underwear, etc. Vanity Fair Silk Mills 213,749; Oct. 13.
Hosiery. Distributing Corporation. 217,396; Oct. 13.
Hosiery. S. Kann Sons Company. 218,853; Oct. 13.
Hosiery. S. Miller. 218,015; Oct. 13.
Hosiery. Vertex Hosiery Mills, Inc. 216,079; Oct. 13.
Hosiery, underwear, hats, etc. Friendly Sales Corporation. 218,901; Oct. 13.
Mufflers. Weiss & Zahler. 217,236; Oct. 13.
Overalls. Alexander Bros. Company. 218,837–8; Oct. 13.
Overalls. E. Schneider. 217,115; Oct. 13.
Robes, gowns, lounge suits, and jackets, Men's. Lewis-Wise Co. 216,788; Oct. 13.
Shirts. Cluett, Peabody & Co. 218,541; Oct. 13.
Shirts, pants, bloomers, knickers, etc. Chancellor & Vaughan, Inc. 210,954; Oct. 13.
Shoes. I. E. Fink. 218,456; Oct. 13.
Shoes, Women's. Craddock Terry Company. 201,609; Oct. 13.
Soles. Kistler Leather Company. 216,411; Oct. 13.
Soles for footwear. Firestone-Apsley Rubber Company. 200,812; Oct. 13.
Suits and overcoats. A. Hoefeld. 218,487; Oct. 13.
Suits and overcoats, Outer. Navishade Company. 214,334; Oct. 13.
Suits, Men's. Carson Pirie Scott & Co. 218,602; Oct. 13.
Suits, Play. Lindeke, Warner & Sons, Incorporated. 217,167; Oct. 13.
Sweaters, golf hose, and bathing suits, Knitted. J. Forstadt. 200,439; Oct. 13.
Underwear. I. Stern. 213,862; Oct. 13.
Underwear. Victor Garment Manufacturing Company. 217,309; Oct. 13.
Underwear, Knit. Bennett Textile Company. 218,464; Oct. 13.

CLASS 42.

Blankets, Cotton. Beacon Manufacturing Company. 218,239; Oct. 13.
Cotton piece goods. Marshall Field & Company. 218,626; Oct. 13.
Cotton piece goods. Mooresville Cotton Mills. 218,928; Oct. 13.
Cotton piece goods. Nashua Manufg. Company. 216,066; Oct. 13.
Cotton piece goods. M. W. Ryan. 219,309; Oct. 13.
Cotton piece goods, combination silk and cotton piece goods, etc. Henry Glass & Co. 218,005; Oct. 13.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 219,523; Oct. 13.
Percale piece goods. Marshall Field & Company. 218,623–4; Oct. 13.
Silk, cotton, and wool piece goods. Haas Brothers Fabrics Corporation. 218,551; Oct. 13.
Silk fabrics in the piece. B. Edmund David, Inc. 219,169; Oct. 13.
Silk piece goods. Golding Fabrics Corporation. 219,121; Oct. 13.
Silk piece goods. Jas. G. Johnson & Co. 219,188; Oct. 13.
Silk piece goods. L. O. Thompson. 211,069–70; Oct. 13.
Woolen piece goods. Forstmann & Huffmann Company. 219,237–42; Oct. 13.

CLASS 44.

Crowns, Porcelain-jacket. J. J. Jansen. 213,020; Oct. 13.
Dental brushes. J. Rubin. 215,995; Oct. 13.
Dental rolls and pad, Absorbent. Kimberly-Clark Company. 219,285; Oct. 13.
Dental supplies. Landgrebe Co. 214,488; Oct. 13.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Electrical therapeutic treatment apparatus. Biola Manufacturing Company. 216,318; Oct. 13.
Massage rollers. Roll-O-Way Co. 217,422; Oct. 13.
Medicinal preparations, Apparatus for administering. Hubert A. Myers Laboratories. 217,411; Oct. 13.
Sanitary napkins. Peerless Preparations, Inc. 219,553; Oct. 13.

CLASS 45.

Beverages. M. W. Robinson. 219,001; Oct. 13.

CLASS 46.

Alimentary pastes. Italian American Paste Co. 211,440; Oct. 13.
Apples. Duthie & Company. 215,622; Oct. 13.
Candy. Boston Confectionery Co. 218,843; Oct. 13.
Candy. Bunte Brothers. 213,689; Oct. 13.
Candy. Gipsy Trail Camp and Country Club Inc. 212,919; Oct. 13.
Candy. Tru-Blu Biscuit Co. 219,460; Oct. 13.
Candy and candied nuts. N. P. Damianakes. 216,876; Oct. 13.
Canned fish and lobster, coffee, flour, etc. Central Wholesale Grocers. 217,814; Oct. 13.
Canned fruits and vegetables. M. E. Horton, Inc. 217,783; Oct. 13.
Canned sardines and cheese. Iwan Burger, Inc. 209,526; Oct. 13.
Canned tomatoes. Nelson Canning Company. 205,025; Oct. 13.
Chocolate. Ideal Cocoa & Chocolate Co. 219,244; Oct. 13.
Chocolate bars. Kibbe Brothers Company. 217,625; Oct. 13.
Coffee. B. A. Livierato. 218,857; Oct. 13.
Coffee, Green. Leon Israel & Bros. Inc. 209,039; Oct. 13.
Figs and table sirup. Angleton Fig Company. 213,610; Oct. 13.
Flavoring extracts. Howell Co. 217,880; Oct. 13.
Flour, Wheat. Highland Milling Company. 217,617; Oct. 13.
Fruit-juice powder, Citrous-. L. Day. 183,365; Oct. 13.
Gum, Chewing. Dixie Chewing Gum Co. 217,865; Oct. 13.
Jellies and fruit preserves. American Preserve Co. 219,320; Oct. 13.
Lobsters. Simpson, Roberts & Co. 216,437; Oct. 13.
Macaroni, spaghetti, noodles, and vermicelli. Union Macaroni Co. 205,965; Oct. 13.
Malt sirup. Koffman & Blumenau. 216,546; Oct. 13.
Mayonnaise, Thousand Island, and French dressings and sandwich spread. Berry & Son. 212,589; Oct. 13.
Oil, Salad. South Texas Cotton Oil Company. 218,025; Oct. 13.
Oranges, lemons, and grapefruit. Foothill Groves. 212,910; Oct. 13.
Oranges, lemons, and grapefruit. Orange Heights Fruit Association. 218,996; Oct. 13.
Peanuts, almonds, dates, and date bars. Capitol Candied Nuts, Inc. 216,454; Oct. 13.
Pears, peaches, plums, Fresh. Placerville Fruit Growers Association. 217,181; Oct. 13.
Salad dressing, edible oils. R. Wilke. 211,643; Oct. 13.
Sirup, Cane. New Orleans Coffee Co. 215,701; Oct. 13.
Sirup, Malt. K. B. Malt Co. 218,760; Oct. 13.
Sirup, Malt. K. B. Malt Co. 218,762; Oct. 13.
Sirup, Malt. E. D. Rosenstein. 215,655; Oct. 13.
Sirups, Chocolate. H. B. Hunter. 217,400; Oct. 13.
Soups and gravies, Thickening agent for. Creme-O-Blend Co. 216,153; Oct. 13.
Sugar, Powdered. A. M. Q. Syme. 211,959; Oct. 13.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 13TH DAY OF OCTOBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Aalborg, Christian. (See Colby, O. A., and Aalborg.)
Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Shingle-strip cutter. 1,557,891; Oct. 13.
Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Co. Roof. 1,557,892; Oct. 13.
Abrams, Harnet L., New York, N. Y. Emergency sole. 1,557,393; Oct. 13.
Adamski, Frank A., Fremont, Ohio, assignor to National Carbon Company, Inc. Sealing composition comprising sulphur-bonded fibrous material. 1,557,231; Oct. 13.
Aeromarine Plane & Motor Company. (See Chilton, Roland, assignor.)
Ahlers, Robert H. (See Leland, G. H., and Ahlers.)
Ahlers, Robert H., and E. M. Polk, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio. Apparatus for making armatures. 1,556,891; Oct. 13.
Ahlers, Robert H., and E. M. Polk, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio. Apparatus for making armatures. 1,556,892; Oct. 13.
Ahlers, Robert H., and E. M. Polk, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio. Apparatus for making armatures. 1,556,893; Oct. 13.
Aktiebolaget Formator. (See Nordenfelt, P., and Frisk, assignors.)
Alcorn, William H., Portsmouth, Ohio. Retort. 1,556,894; Oct. 13.
Allbright Nell Company, The. (See Schaffer, Alfred H., assignor.)
Allen, William S., Birmingham, assignor of nine-tenths to A. T. Newell, Jefferson County, Ala. Automobile headlight. 1,557,282; Oct. 13.
Allison, Benjamin E. (See Ponsler, Roscoe, assignor.)
American Coating Mills. (See Colbert, C. C., and Preston, assignors.)
American Optical Company. (See Sheard, Charles, assignor.)
American Optical Company. (See Tully, George L., assignor.)
American Pulveriser Company. (See Elsemeyer, Ernst H., assignor.)
American Rolling Mill Company, The. (See Kronborg, Kristian, assignor.)
American Telephone and Telegraph Company. (See Elsasser, Henry W., assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Telephone and Telegraph Company. (See Morehouse, Lyman F., assignor.)
American Telephone and Telegraph Company. (See Zobel, Otto J., assignor.)
Andersen, Niels K., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay and cut-out. 1,556,573; Oct. 13.
Anderson, Carl E., Stratford, and H. U. Badeau, assignors to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,556,743; Oct. 13.
Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,557,304; Oct. 13.
Anderson, Harry T. (See Christianson, A., and Anderson.)
Anderson, John W., assignor of one-half to C. Poffenberger, Chicago, Ill. Concealed door hinge. 1,556,742; Oct. 13.
Anderson, Pierce B., Brownsville, Tenn. Transit. 1,557,283; Oct. 13.
Ansehl, Benjamin, assignor of one-half to A. J. Gutweiler, St. Louis, Mo. Applicator. 1,556,744; Oct. 13.
Ansingh, Herman K., Toronto, Canada, assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,557,001; Oct. 13.
Armstrong, Edwin J., assignor to Erie Steam Shovel Company, Erie, Pa. Excavating machine and the like. 1,556,574; Oct. 13.
Armstrong, Morgan K., Winnetka, Ill., assignor, by mesne assignments, to The Beaver Products Company, Inc. Plaster board. 1,556,575; Oct. 13.
Armstrong, Percy A. E., Londonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Apparatus for removing sand cores from hollow drill rod by sand blast. 1,557,131; Oct. 13.
Armstrong, Percy A. E., Loudonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Process and product of making low-carbon chromium-iron alloys. 1,557,132; Oct. 13.
Astle, Arthur J., Middletown, Conn. Attachment for looms. 1,557,002; Oct. 13.
Astral Radio Corporation. (See Borz, Thadeus, assignor.)
Atkinson, Cyril J., Milwaukee, Wis. Soap tablets and making the same. 1,556,576; Oct. 13.
Augustine, Benjamin F., Buffalo, N. Y. Rotary gas engine. 1,557,395; Oct. 13.
Austin, F. C., Machinery Company. (See Russell, Leslie A., assignor.)
Austin, Walter M., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric switch. 1,557,003; Oct. 13.
Automatic Coin Stacker Corporation, The. (See Williamson, John A., assignor.)
Automatic Electric Company. (See Benson, William A., assignor.)
Automatic Electric Company. (See Blessing, John G., assignor.)
Automatic Electric Company. (See Harbecke, Herman H., assignor.)
Automatic Electric Company. (See Keith, A. E., and Erickson, assignors.)
Automatic Electric Company. (See Madsen, Fred T., assignor.)
Automatic Electric Company. (See Smith, Arthur B., assignor.)
Automatic Electric Company. (See Tanke, Emil, assignor.)
Automatic Transportation Company, The. (See Carr, William C., assignor.)
Avery, Clarence W., and E. T. Brown, assignors to Ford Motor Company, Detroit, Mich. Producing continuous sheet glass. 1,556,665; Oct. 13.
Ayers, William C., Arlington, assignor of one-fourth to I. B. Cantrell and eight one-hundredths to T. L. Randolph, both of Dallas, Tex. Identification certificate for motor vehicles. 1,556,395; Oct. 13.
Ayres, Elwood B., Melrose Park, and C. S. Morrison, Elkins Park, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Toggle. 1,557,396; Oct. 13.
Backert, Henry, Hilton, N. J. Jewelry clasp. 1,557,133; Oct. 13.
Bade, John H., and C. L. Kittle, Lawrenceburg, Ind., assignors of one-third to E. J. Stocking, Evanston, Ill. Cross-tie handler. 1,556,577; Oct. 13.
Badeau, Harry U. (See Anderson, C. E., and Badeau.)
Bagnulo, Alberto, Turin, Italy. Injecting and carbureting apparatus for heavy-oil high-power engines. 1,557,397; Oct. 13.
Baier, Christian D., Cissna Park, Ill. Drop-board cleaner for henhouses. 1,556,578; Oct. 13.
Balatta, Frank S., St. Paul, Minn. Apparatus for conveying the exhaust gases of an internal-combustion engine from a garage. 1,556,896; Oct. 13.
Balay, Constant, St. Etienne, France. Textile fabric and manufacturing the same. 1,557,398; Oct. 13.
Baltsley, Louis E., Glen Ridge, N. J. Binder. 1,556,579; Oct. 13.
Baker Brothers Glass Company, et al. (See Howard, Joe H., assignor.)
Bancel, Paul A., Nutley, assignor to Ingersoll-Rand Company, Jersey City, N. J. Multijet condenser. 1,557,399; Oct. 13.
Banta, Robert R., Chicago, Ill. Pipe connection. 1,556,745; Oct. 13.
Bare, Reuben H., and T. J. Pierce, Taft, Calif. Perforation cleaner for oil-well casings. 1,556,897; Oct. 13.
Barnes, Wilfred, Forest Park, assignor to Edison Electric Appliance Company, Inc., Chicago, Ill. Combined electric heater casing and standard. Des. 68,418; Oct. 13.
Barrett, Alfred G., and H. H. Burton, Leicester, England. Mat for vehicles. 1,557,400; Oct. 13.
Barrett Company, The. (See Cushing, Daniel, assignor.)
Barrett, Leon J., Worcester, Mass. Pruning shears. 1,557,401; Oct. 13.
Barthel, Gregor J., Albertville, Minn. Clutch-lever holder. 1,557,134; Oct. 13.
Bartholomew, John R., Montclair, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-drum construction. 1,556,746; Oct. 13.

Bartl, Karl, Komotau, Czechoslovakia. Handle for hand glass-blowing contrivances. 1,556,985; Oct. 13.
Basenach, Nikolaus, Potsdam, Germany. Anchoring arrangement for airships. 1,557,471; Oct. 13.
Bastian-Blessing Company, The. (See Bastian, C. L., and Johnson, assignors.)
Bastian, Charles L., and C. G. Johnson, assignors to The Bastian-Blessing Company, Chicago, Ill. Sirup pump. 1,556,898; Oct. 13.
Bates, Albert J., jr., Chicago, Ill. Infant's retaining garment. 1,556,747; Oct. 13.
Bates, Thomas O., Liverpool, England. Apparatus or machine for making and cooking wafer biscuits, cup wafers, cornets, and the like. 1,557,004; Oct. 13.
Bateson, James, assignor to The Carrom Company, Ludington, Mich. Brace for folding tables. 1,557,402; Oct. 13.
Bath, John, Worcester, Mass. Gauge bar for grinding machines. 1,557,005; Oct. 13.
Bath, John and S. W., Worcester, Mass.; said S. W. Bath assignor to said J. Bath. Adjustable internal gauge. 1,556,666; Oct. 13.
Bath, Stanley W. (See Bath, John and S. W.)
Bauer Brothers Company, The. (See Daniel, Allan P., assignor.)
Baughman, Orland F., Lakewood, assignor to The Dickey-Grabler Company, Cleveland, Ohio. Steel stamp. 1,557,403; Oct. 13.
Baumann, Frederick W., assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa. Rail anchor. 1,556,748; Oct. 13.
Bausch & Lomb Optical Company. (See Sabel, John C., assignor.)
Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switch box. 1,557,006; Oct. 13.
Bay, Charles U. (See Conant, William H., assignor.)
Bench, Clarence E., Binghamton, N. Y., assignor to The Gamewell Company, Newton, Mass. Signaling system. 1,557,404; Oct. 13.
Beach, Clarence E., Binghamton, N. Y., assignor to The Gamewell Company, Newton, Mass. Signaling system. 1,557,405; Oct. 13.
Beaver Products Company, The. (See Armstrong, Morgan K., assignor.)
Bechhold, Heinrich, Frankfort-on-the-Main, Germany. Filter. 1,557,234; Oct. 13.
Bechhold, Heinrich, Frankfort-on-the-Main, Germany. Filter. 1,557,235; Oct. 13.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking-retort oven. 1,556,749; Oct. 13.
Bell, Elva L., Wenatchee, Wash. Combined grain-drill tooth and hoe. 1,556,899; Oct. 13.
Bellemere, Stanley L., assignor to Schulze Dyeing Company, Reading, Pa. Stocking. Des. 68,419; Oct. 13.
Bender, Louis B., Washington, D. C. Electrical signaling. 1,556,750; Oct. 13.
Bendix Corporation, The. (See Thomas, George J., assignor.)
Benjamin Electric Manufacturing Company. (See Warner, Chester E., assignor.)
Bennefeld, Fred W., Girard, Kans. Corn-harvesting machine. 1,557,406; Oct. 13.
Bennett, Samuel P., San Francisco, Calif. Fluid double-action on shock absorber. 1,557,007; Oct. 13.
Benning, Clyde P., Oak Park, assignor to Mudge & Company, Chicago, Ill. Motor car. 1,556,900; Oct. 13.
Benson, William A., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,556,751; Oct. 13.
Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Thread-controlling mechanism for sewing machines. 1,557,135; Oct. 13.
Berkdoll, Charles E., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Ignition device. 1,556,901; Oct. 13.
Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Journal-bearing casing. 1,557,008; Oct. 13.
Bethlehem Shipbuilding Corporation, Ltd. (See Wilkinson, William S., assignor.)
Bethlehem Steel Company. (See Hummel, Howard H., assignor.)
Beville, Alfred S., and A. F. Schroder, Jacksonville, Fla. Combined rain and wind shield for automobiles. 1,556,902; Oct. 13.
Biddle, Ross, assignor to Delco-Light Company, Dayton, Ohio. Spindle lubricator. 1,557,191; Oct. 13.
Biebel, Herman M., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric waffle iron. 1,557,009; Oct. 13.
Biebel, Herman M., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric waffle iron. 1,557,010; Oct. 13.
Bingham, George W., New York, N. Y. Moving-picture machine. 1,556,903; Oct. 13.
Bittner, Franklin, New York, N. Y. Device for winding radiocoils. 1,557,407; Oct. 13.
Blake, C. C., Incorporated. (See Fernald, Mark E., assignor.)
Blake, Robert W., Indianapolis, Ind. Dentist's plater. 1,556,752; Oct. 13.
Blankenship, Jehu W., Lynchburg, Va. Plowpoint. 1,557,408; Oct. 13.
Blaschke, Rudolph, now by change of name R. F. Blash, Chicago, Ill., assignor, by mesne assignments, to E. S. Byers, trustee, Cleveland, Ohio. Record repeater for sound-reproducing instruments. 1,556,667; Oct. 13.
Blash, Rudolph F. (See Blaschke, Rudolph.)
Blash, Rudolph, Chicago, Ill., assignor, by mesne assignments, to E. S. Byers, trustee, Cleveland, Ohio. Record repeater for sound-reproducing instruments. 1,556,668; Oct. 13.
Bleick Syndicate. (See Camp, Edgar M., assignor.)
Blessing, John G., Oak Forrest, assignor to Automatic Electric Company, Chicago, Ill. Automatic calling device. 1,556,904; Oct. 13.
Blessing, John G., assignor to Automatic Electric Company, Chicago, Ill. Automatic calling device. 1,556,905; Oct. 13.
Blessing, John G., assignor to Automatic Electric Company, Chicago, Ill. Automatic calling device. 1,556,906; Oct. 13.
Blest, Minot C., Bellevue, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Side-wall construction for cars. 1,557,136; Oct. 13.
Blinn, George H., Topsfield, Me. Poultry roost. 1,557,236; Oct. 13.
Bliss, E. W. Company. (See Klocke, William, assignor.)
Blockey, John R., assignor to William Walker and Sons Limited, Bolton, England. Tanning hides or skins. 1,557,011; Oct. 13.
Blood, Harold L. (See Greenleaf, G. E., Blood, and Rausch.)
Blumel, Charles, New York, N. Y. Shoe-polishing device. 1,557,012; Oct. 13.
Boardman, Charles H., Columbus, Ohio. Crib. 1,557,013; Oct. 13.
Bobo, Ruben, Moline, Ill., assignor to Hawkeye Invention Co., Davenport, Iowa. Spring device. 1,557,237; Oct. 13.
Boerner, Richard F., Tuolumne, Calif. Motor-driven chain saw. 1,557,238; Oct. 13.
Böhm, Johann J., Zurich, Switzerland. Device for sharpening pencils. 1,556,969; Oct. 13.
Böhn, Charles H., Saginaw, Mich. Game. 1,557,014 Oct. 13.
Bohn, Donald I. (See Mann, L. R., and Bohn.)
Bohner, August V., Big Sandy, Mont. Cork puller. 1,557,239; Oct. 13.
Bold, Frederick W., Chelsea, assignor to C. H. Pearson, Brookline, Mass. Spring regulator. 1,556,907; Oct. 13.
Bone, David R., sr., Oglesby, Tex. Producing and seasoning hydrated lime. 1,556,670; Oct. 13.
Boner, Charles W., and S. S. Osborne, Raymondville, Tex. Vending machine. 1,557,015; Oct. 13.
Booth, Benjamin A., Odessa, Ontario, Canada, assignor of one-half to N. E. Booth, Brooklyn, N. Y. Lock device. 1,556,580; Oct. 13.
Booth, Nelson E. (See Booth, Benjamin A., assignor.)
Booth, Nelson E., Brooklyn, N. Y. Cutting machine. 1,556,581; Oct. 13.
Booth, Nelson E., Brooklyn, N. Y. Intermittent feeding device. 1,556,582; Oct. 13.
Borchgrevink, Mads L., Christiania, Norway. Speed controlling and driving apparatus for variably-loaded working machines. 1,556,671; Oct. 13.
Borz, Thadeus, Camden, N. J., assignor to Astral Radio Corporation. Radio loud speaker. Des. 68,420; Oct. 13.
Bosenbury, Joseph M., Peoria, Ill. Brake and door control device. 1,556,583; Oct. 13.
Bostock, Charles F., Little Silver, assignor to La Pierre Manufacturing Company, Newark, N. J. Back of a mirror or similar article. Des. 68,421; Oct. 13.
Boswell, Byron G., Arlington, Ky. Internal-combustion engine. 1,557,016; Oct. 13.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass goblet or similar article. Des. 68,422; Oct. 13.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass goblet or similar article. Des. 68,423; Oct. 13.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass goblet or similar article. Des. 68,424; Oct. 13.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate or similar article. Des. 68,425; Oct. 13.
Boyer, Charles I., Ridgway, Pa. Apparatus for separating unburned coke from the products of combustion. 1,556,672; Oct. 13.
Brackett, Quincy A., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,557,017; Oct. 13.
Bradley, Carl D., Rogers City, Mich. Building breakwaters. 1,557,409; Oct. 13.
Braeutigam, Henry P., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Electrical system. 1,556,673; Oct. 13.
Breeden, Lorenza N., Montgomery, W. Va. Automatic wedge. 1,556,584; Oct. 13.
Breslav, Jack, New Haven, Conn. Bumper. 1557,410; Oct. 13.
Briggs, Arthur W., deceased, Omaha, Nebr.; C. Briggs administratrix. Traffic stop. 1,557,536; Oct. 13.
Briggs, Charles A., Chino, Calif. Binder for cards and the like. 1,556,908; Oct. 13.
Briggs, Clara, administratrix. (See Briggs, Arthur W.)





Briggs & Stratton Corporation. (See Jacobi, E. N., and Lawrence, assignors.)
Brincil, Joseph, Plainfield, assignor of one-half to R. Curcio, Lincoln, N. J. Self-lubricating bearing and making it. 1,557,137; Oct. 13.
Brinson, Joseph W., Pocatello, Idaho. Ironing board. 1,557,411; Oct. 13.
Broadway, Bennie B., Summerton, S. C. Spraying machine. 1,557,412; Oct. 13.
Bronson, Dewey S., Sanford, Fla. Yieldable tread wheel. 1,557,413; Oct. 13.
Brown, Christopher, Charleroi, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for applying abrasive to grinding apparatus. 1,556,753; Oct. 13.
Brown, Edward T. (See Avery, C. W., and Brown.)
Brown, John L., Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company. Short-circuiting device. 1,557,018; Oct. 13.
Browning, John M., Ogden, Utah. Firing mechanism for guns. 1,557,414; Oct. 13.
Brunner, Francis A., Inc. (See Murray, Robert J., assignor.)
Brunner, Herbert R., New York, N. Y., assignor to Combustion Specialties Corporation. Air-preheating device. 1,556,585; Oct. 13.
Brunner, Oscar, St. Louis, Mo. Cabinet lock. 1,557,138; Oct. 13.
Brunning, Ernest J., Chicago, Ill., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,557,192; Oct. 13.
Brush, Alanson P., Detroit, Mich. Rocker arm for valve-operating mechanisms. 1,556,986; Oct. 13.
Bryant Electric Company, The. (See Anderson, Carl E., assignor.)
Bryant Electric Company, The. (See Anderson, C. E., and Radeau, assignors.)
Buckingham, Earle, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Transmission. 1,556,754; Oct. 13.
Buckingham, Noah M. (See Smith, C. E., and Buckingham.)
Bullock, Fred J., Shortaville N. Y. Safety mechanism for gearing. 1,557,139; Oct. 13.
Burcham, John A., Bath Springs, Tenn. Combination seed dispenser. 1,557,019; Oct. 13.
Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Builder mechanism for yarn-winding machines. 1,556,814; Oct. 13.
Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Builder mechanism. 1,556,815; Oct. 13.
Burdette-Murray Company, The. (See Murray, John C., assignor.)
Burgher, Albert M., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Ignition system. 1,556,909; Oct. 13.
Burman, Peter M., Preston, Wash. Multiform tool. 1,556,755; Oct. 13.
Burt, F. N., Company, Limited. (See Royal, Joseph N., assignor.)
Burtenshaw, William, Brooklyn, N. Y. Signaling device. 1,557,472; Oct. 13.
Burton, Hubert H. (See Barrett, A. G., and Burton.)
Butterworth, Arthur B., Port Arthur, Tex. Tank cleaner and fluid circulator. 1,557,240; Oct. 13.
Buvinger, George A., and C. Warner, assignors to Delco-Light Company, Dayton, Ohio. Pumping apparatus. 1,557,193; Oct. 13.
Byers, Edgar S., trustee. (See Blaschke, Rudolph, assignor.)
Byers, Edgar S., trustee. (See Blash, Rudolph, assignor.)
C. G. Spring & Bumper Company, The. (See Girl, Christian, assignor.)
Cabot, Thomas D., Boston, Mass. Orifice or similar gas meter. 1,556,910; Oct. 13.
Callender, Wallace Y., Chicago, Ill. Measuring stopper for bottles. 1,556,911; Oct. 13.
Camel Company. (See Eklind, C. E., and Darrow, assignors.)
Camp, Edgar M., assignor, by mesne assignments, to Bleick Syndicate, composed of W. D. Bleick and D. H. Connor, Newark, and F. J. Parker and J. J. Harris, Montclair, N. J. Adding machine. 1,556,756; Oct. 13.
Campbell, John G., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,556,674; Oct. 13.
Campbell, John G., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,557,194; Oct. 13.
Candee, Andrew H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Door-controlling circuits. 1,557,020; Oct. 13.
Canoose, John E., Brooklyn, N. Y. Oil pump. 1,556,912; Oct. 13.
Cantrell, Isaac B., et al. (See Ayers, William C., assignor.)
Capra, Angelo M., assignor to F. de Palma, Philadelphia, Pa. Water filter. 1,556,913; Oct. 13.
Carey, John B., Concord, N. H. Scabbard for ice skates. 1,557,415; Oct. 13.
Caribonum Limited. (See Clark, Walter, assignor.)
Carlton, Jack C., assignor to The Carlton Machine Tool Company, Cincinnati, Ohio. Friction clutch. 1,557,241; Oct. 13.
Carlton Machine Tool Company, The. (See Carlton, Jack C., assignor.)
Carolyn Laundry. (See Lane, Edwin, assignor.)
Carpenter, Allan O., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Car-lifting device. 1,557,416; Oct. 13.
Carr, William C., assignor to The Automatic Transportation Company, Buffalo, N. Y. Industrial truck. 1,556,586; Oct. 13.
Carrier Engineering Corporation. (See Lea, Edward S., assignor.)
Carrom Company, The. (See Bateson, James, assignor.)
Carter, John J., Anderson, Ind., assignor to General Motors Corporation. Commutator-slotting apparatus. 1,556,675; Oct. 13.
Case & Martin Company. (See Ehrlich, William, assignor.)
Chadwick, Lee S., Shaker Heights Village, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Air distributor for liquid-fuel burners. 1,556,587; Oct. 13.
Chance, Thomas M., Philadelphia, Pa. Separating materials. 1,556,676; Oct. 13.
Cheney, Charles W., Boston, Mass. Massage apparatus. 1,557,417; Oct. 13.
Chilingirian, Harry, Bridgeport, Conn. Inkstand. 1,557,021; Oct. 13.
Chilton, Roland, Keyport, N. J., assignor to Aeromarine Plane & Motor Company. Valve and making same. 1,557,022; Oct. 13.
Chilton, Roland, Keyport, N. J., assignor to Aeromarine Plane & Motor Company. Combined magneto and starter unit. 1,557,418; Oct. 13.
Chinn, Howard T., Atascadero, Calif. Doll. 1,557,023; Oct. 13.
Chocolate Sponge Co., The. (See Laskey, Philip B., assignor.)
Christian, David A., assignor to Siemens Brothers & Company, Limited, London, England. Automatic and semi-automatic telephone system. 1,556,987; Oct. 13.
Christianson, Andrew, and H. T. Anderson, Butler, assignors to Standard Steel Car Company, Pittsburgh, Pa. Railway car. 1,556,757; Oct. 13.
Christoph, Emil A., Chicago, Ill. Locking means for automobiles and the like. 1,556,588; Oct. 13.
Chubbuck, Leonard B., Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company. Disconnecting switch latch. 1,557,024; Oct. 13.
Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,556,677; Oct. 13.
Cincinnati Shaper Company, The. (See Hazelton, Robert T., assignor.)
Clapp, Rowland C., Portland, Oreg. Truck. 1,557,195; Oct. 13.
Clark, Duncan G., assignor to The McClary Manufacturing Company, London, Ontario, Canada. Bowl or similar article. Des. 68,426; Oct. 13.
Clark, Virginius E., assignor to Dayton-Wright Company, Dayton, Ohio. Landing chassis for airplanes. 1,557,242; Oct. 13.
Clark, Virginius E., and K. M. Lane, assignors to Dayton-Wright Company, Dayton, Ohio. Metal wing spar. 1,556,589; Oct. 13.
Clark, Walter, London, England, assignor to Caribonum Limited, Leyton, England. Inking device. 1,556,758; Oct. 13.
Clarke, Charles F., Madison, Wis. Book end. 1,557,419; Oct. 13.
Clarkson, Charles S., Toledo, Ohio. Doorlock. 1,557,140; Oct. 13.
Clean Wash Paint and Varnish Remover Co. (See King, C. A., and Warlick, assignor.)
Clement, Hans, New York, and E. Le R. Ryer, Hawthorne, N. Y., assignors to General Optical Company, Inc. Retinoscope. 1,556,914; Oct. 13.
Cleveland Metal Products Company, The. (See Chadwick, Lee S., assignor.)
Cleveland Trust Company, The. (See De Voe, Albert H., assignor.)
Clokey, Allison A., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,557,420; Oct. 13.
Cluett, John P., New York, N. Y. Casing for a heating appliance. Des. 68,427; Oct. 13.
Cochrane, William F., Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Alcohol Co. Nickel-chromium alloy and articles made therefrom. 1,557,025; Oct. 13.
Codd, Laurence W., Northwich, England. Production of alkali-silicate solution. 1,557,491; Oct. 13.
Cohn, Irwin E., assignor to Tawka Toy Co., Inc., New York, N. Y. Bubble pipe. 1,557,421; Oct. 13.
Colbert, Charles C., and G. E. Preston, assignors to American Coating Mills, Elkhart, Ind. Drying apparatus. 1,557,422; Oct. 13.
Colbert, Charles C., and G. E. Preston, assignors to American Coating Mills, Elkhart, Ind. Drying method. 1,557,423; Oct. 13.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric rivet heater. 1,557,026; Oct. 13.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Toaster handle. 1,557,028; Oct. 13.

Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Plug-tripping device. 1,557,029; Oct. 13.
Colby, Ora A., Irwin, and C. Aalborg, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Toaster-tray button. 1,557,027; Oct. 13.
Collette, Joseph A., Kansas City, Mo. Combined radio-receiver and electric lamp. Des. 68,428; Oct. 13.
Combustion Specialties Corporation. (See Brunner, Herbert R., assignor.)
Conant, William H., assignor to C. U. Bay, New York, N. Y. Spool. 1,557,424; Oct. 13.
Conaway, Ernest A., Little Rock, Ark. Seal lock. 1,557,030; Oct. 13.
Conger, Henry M., Seattle, Wash. Decorative article of manufacture. 1,557,196; Oct. 13.
Connelly, James J., Chicago, Ill. Concrete product and manufacturing the same. 1,556,759; Oct. 13.
Conner, Lawrence E., Jackson, Mich. Overload release coupling. 1,557,141; Oct. 13.
Conrad, Henry S., trustee. (See Lundquist, F. A., and Kropp, assignors.)
Conrader, Rudolph, Erie, Pa. Tank-discharge device. 1,556,760; Oct. 13.
Conrader, Rudolph, Erie, Pa. Pressure-controlled valve mechanism. 1,557,425; Oct. 13.
Conrader, Rudolph, Erie, Pa. Unloader mechanism. 1,557,426; Oct. 13.
Conrader, Rudolph, Erie, Pa. Motor-load-controlling device. 1,557,427; Oct. 13.
Conrader, Rudolph, Erie, Pa. Electric motor-load-controlling device. 1,557,428; Oct. 13.
Conway, Elisha A., Williamsport, Pa. Chalk line. 1,557,031; Oct. 13.
Cook Pottery Company. (See Hires, John E., assignor.)
Cooley, Arthur P., Westerly, R. I. Awning. 1,556,915; Oct. 13.
Cooper, Simon, assignor to Cooper Tea Packet Co., Inc., Brooklyn, N. Y. Packeting tea or the like. 1,557,032; Oct. 13.
Cooper Tea Packet Co. (See Cooper, Simon, assignor.)
Copeland, George E., Springfield, Ohio. Railway-track construction. 1,557,429; Oct. 13.
Cowan Truck Company. (See Eldmann, Frank L.)
Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic power cotnrol. 1,556,590; Oct. 13.
Craig, James W., Providence, R. I. Apparatus for promoting fuel combustion. 1,556,916; Oct. 13.
Cramp, William, & Sons Ship and Engine Building Company. (See Larner, Chester W., assignor.)
Cranz, James M., Buffalo, N. Y. Tire tread. Des. 68,429; Oct. 13.
Cranz, James M., Buffalo, N. Y. Tire tread. Des. 68,430; Oct. 13.
Creamery Package Mfg. Company, The. (See Hippenmeyer, Irving R., assignor.)
Cromwell, George O., assignor to The Ludlow Typograph Company, Chicago, Ill. Electrically-heated melting pot. 1,557,142; Oct. 13.
Cross, Henry J. S., Toronto, Ontario, Canada. Surface working or finishing device. 1,557,473; Oct. 13.
Crow, Leonard R., Vincennes, Ind. Electrical display appliance. 1,557,430; Oct. 13.
Crown Cork and Seal Company of Baltimore City, The. (See Huntley, George J., assignor.)
Crown Cork and Seal Company of Baltimore City, The. (See Lloyd, Frank L., assignor.)
Cummins, Clessie L., Columbus, Ind. Circulating fuel system for oil engines. 1,557,143; Oct. 13.
Curcio, Ralph. (See Brincil, Joseph, assignor.)
Currier, Hiram D., Chicago, and G. R. Eaton, Oak Park, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Trunk circuits. 1,556,761; Oct. 13.
Curtiss, Nathan A., Ramsey, N. J., assignor to M. R. Hutchinson, New York, N. Y. Safety device for electric irons and the like. 1,556,762; Oct. 13.
Cushing, Daniel Lowell, Mass., assignor to The Barrett Company. Melting and refining of nonferrous metals. 1,556,591; Oct. 13.
Dadd, Benjamin, New York, N. Y. Cutlery. 1,556,763; Oct. 13.
Daimler-Motoren Gesellschaft. (See Porsche, Ferdinand, assignor.)
Dankwortt, Thomas B., et al. (See Frey, Ernst, assignor.)
Daniel, Allan P., assignor to The Bauer Brothers Company, Springfield, Ohio. Attrition mill. 1,556,764; Oct. 13.
Daniels, Lee G., Rockford, Ill. Cam and roller construction. 1,557,492; Oct. 13.
Daniels, Lee G., Rockford, Ill. Liquid-fuel burner. 1,557,493; Oct. 13.
Darrow, William W. (See Eklind, C. E., and Darrow.)
Davignon, Victor D., Attleboro, Mass. Gold alloy and making the same. 1,557,431 Oct. 13.
Davis, Augustine, jr. (See Fey, Anthony B., assignor.)
Davis, Harold G., Denver, Colo. Air-hose protector. 1,557,033; Oct. 13.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Feeler tip. 1,556,816; Oct. 13.
Davis, Taube, assignor to Franklin Simon & Co., New York, N. Y., Shoe. Des. 68,431; Oct. 13.
Dayton Engineering Laboratories Company, The. (See Ahlers, R. H., and Polk, assignors.)
Dayton Engineering Laboratories Company, The. (See Berkdoll, Charles E., assignor.)
Dayton Engineering Laboratories Company, The. (See Burgher, Albert M., assignor.)
Dayton Engineering Laboratories Company, The. (See Hardman, Frederick J., assignor.)
Dayton Engineering Laboratories Company, The. (See Kubis, Ernest R., assignor.)
Dayton Engineering Laboratories Company, The. (See Leland, G. H., and Ahlers, assignors.)
Dayton Engineering Laboratories Company, The. (See Polk, Earl M., assignor.)
Dayton-Wright Company. (See Clark, V. E., and Lane, assignors.)
Dayton-Wright Company. (See Clark, Virginius E., assignor.)
Dayton-Wright Company. (See McClane, Joseph L., assignor.)
De Bellis, Gennaro, Philadelphia, Pa. Reflector. Des. 68,432; Oct. 13.
Dechmann, William, Minneapolis, Minn. Hydropathic spraying device. 1556,765; Oct. 13.
Dee, William C., assignor to The Engeln Electric Company, Cleveland, Ohio. Electrical apparatus. 1,556,917; Oct. 13.
Deere & Company. (See Nelson, Nicholas R., assignor.)
Defordt, Jules F., Brussels, Belgium. Variable-speed-transmission mechanism. 1,557,432; Oct. 13.
Delamater, Victor M., Bronxville, N. Y., and L. Walker, jr., Meadville, Pa., assignors to Hookless Fastener Company. Golf bag. 1,557,433; Oct. 13.
Delco-Light Company. (See Biddle, Ross, assignor.)
Delco-Light Company. (See Braeutigam, Henry P., assignor.)
Delco-Light Company. (See Brunning, Ernest J., assignor.)
Delco-Light Company. (See Buvinger, G. A., and Warner, assignors.)
Delco-Light Company. (See Campbell, John G., assignor.)
Delco-Light Company. (See Dickey, Ernest, assignor.)
Delco-Light Company. (See Hull, Harry B., assignor.)
Delco-Light Company. (See Keilholtz, L. S., and Dickey, assignors.)
Delco-Light Company. (See Kettering, Charles F., assignor.)
Delco-Light Company. (See Lee, Ralph L., assignor.)
Delco-Light Company. (See Osborn, Robert G., assignor.)
Delco-Light Company. (See Starr, Frank E., assignor.)
Delco-Light Company. (See Van Rennes, Cornelis, assignor.)
Delco-Light Company. (See Warner, Clarence, assignor.)
Delegard, Carl J., and J. Hawkinson, Poskin, Wis., assignors to V. Delegard and O. M. West, St. Paul, Minn. Brake. 1,557,518; Oct. 13.
Delegard, Victor, et al. (See Delegard, C. J., and Hawkinson, assignors.)
Delegard, Victor, St. Paul, Minn. Brake. 1,557,034; Oct. 13.
Demarest, Daniel D., Montclair, N. J. Compressor. 1,557,434; Oct. 13.
De Palma, Fedele. (See Capra, Angelo M., assignor.)
De Voe, Albert H., Westfield, N. J., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Device for forming round belting. 1,557,243; Oct. 13.
De Ybarrondo, Vincent C., Los Angeles, Calif. Device for measuring the opacity of translucent materials. 1,556,766; Oct. 13.
Diamond Match Company, The. (See Elder, W. J., and Morehouse, assignors.)
Diamond Match Company, The. (See Nolan, John R., assignor.)
Diamond Match Company, The. (See Wright, Jacob P., assignor.)
Diamond State Fibre Company. (See McIntosh, J., and Taylor, assignors.)
Dickey, Ernest. (See Keilholtz, L. S., and Dickey.)
Dickey, Ernest, assignor to Delco-Light Company, Dayton, Ohio. Engine. 1,557,197; Oct. 13.
Dickey Grabber Company, The. (See Baughman, Orland F., assignor.)
Dickson, Joanne, et al. (See Page, Reginald J., assignor.)
Diegel, Wilfrid E., River Rouge, Mich. Game. 1,556,678; Oct. 13.
Diehm, Lucius N., West Hartford, Conn. Firearm. 1,557,435; Oct. 13.
Directoplate Corporation. (See Koppe, Alexander T., assignor.)
Dix, Cecil, Cohasset, Calif. Pump. 1,557,436; Oct. 13.
Dodge, Howard M., Akron, Ohio. Noninflatable tire. 1,557,437; Oct. 13.
Dodge, William W., jr., Asheville, N. C. Waffle iron. 1,556,767; Oct. 13.
Dolan, Frank J., Brooklyn, assignor to J. M. Price, New York, N. Y. Box. 1,557,144; Oct. 13.
Dominque, Nazaire T., Waterbury, Conn. Rotary toothbrush. 1,557,244; Oct. 13.
Donaldson, Frank A., St. Paul, Minn. Air cleaner. 1,556,592; Oct. 13.
Doody, Frederick C., St. Onge, S. Dak. Self-adjusting bearing. 1,556,768; Oct. 13.





Doolan, John T., Vancouver, British Columbia, Canada. Draft-hitching device. 1,556,679; Oct. 13.
Dorment, Frank C., Wellington, Ohio. Combined air purifier and reflector. 1,556,680; Oct. 13.
Dost, Walter, Yuba City, Calif. Checking implement. 1,557,035; Oct. 13.
Dow Chemical Company, The. (See Griswold, Thomas, jr., assignor.)
Dowd, John A., jr. (See Dowd, John A. and J. A., jr.)
Dowd, John A. and J. A., jr., Fall River, Mass. Spacing table for metal-sheet-punching machines. 1,557,438; Oct. 13.
Draper Corporation. (See Burdett, Horace H., assignor.)
Draper Corporation. (See Davis, Harry A., assignor.)
Draper Corporation. (See Reid, G. W., and Durand, assignors.)
Draper Corporation. (See Rhoades, Alonzo E., assignor.)
Draper Corporation. (See Stone, Melvin L., assignor.)
Driest, Charles, jr., Marlboro, N. J. Shears. 1,556,769; Oct. 13.
Driest, Charles, jr., Marlboro, N. J. Shears. 1,556,770; Oct. 13.
Duff Patents Company. (See Egler, Nicholas F., assignor.)
Duke, George H., Chicago, Ill. Attaching device for tire chains. 1,556,919; Oct. 13.
Dunbar, Harold F., Turners Falls, Mass. Paper-drying machine. 1,556,918; Oct. 13.
Duncan, James B. (See Zebold, F. A., Duncan, and Fisher.)
Dunsmore, Michael C., Stirling, and D. C. Paterson, Glasgow, Scotland. Pile-driving machine. 1,557,145; Oct. 13.
Dupont, Benjamin F., Miami, Fla. Root cutter. 1,557,771; Oct. 13.
Du Pont, E. I., de Nemours & Company. (See Nevius, George H., assignor.)
Durand, Alfred. (See Reid, G. W., and Durand.)
Du-So, Theodore C., Tulsa, Okla. Packing ring. 1,557,439; Oct. 13.
Dyer, Harry W. (See Loughridge, Matthew H., assignor.)
Earp, Jhue R., assignor of one-half to B. Silverman, Chattanooga, Tenn. Comb. 1,557,440; Oct. 13.
Eastman Kodak Company. (See Farrow, Edward S., jr., assignor.)
Eaton, George R. (See Currier, H. D., and Eaton.)
Eaton, James M., et al., trustees. (See Eldmann, Frank L., assignor.)
Edison Electric Appliance Company. (See Barnes, Wilfred, assignor.)
Egler, Nicholas F., Chicago, Ill., assignor to Duff Patents Company, Pittsburgh, Pa. Reversing valve for furnaces. 1,557,146; Oct. 13.
Ehrlich, William, assignor to Case & Martin Company, Chicago, Ill. Die rimming and pinching machine. 1,557,441; Oct. 13.
Eichelman, William H., Downers Grove, Ill. Vaper-disposal apparatus. 1,557,442; Oct. 13.
Eldmann, Frank L., North Bergen, N. J., assignor to J. L. Wyckoff, E. N. White, and J. M. Eaton, trustees, Holyoke, Mass., doing business as Cowan Truck Company. Elevating truck. 1,556,920; Oct. 13.
Eklind, Carl E., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Side-door construction. 1,556,593; Oct. 13.
Eklind, Carl E., Berwyn, and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Side-door construction. 1,556,594; Oct. 13.
Elder, William J., and C. N. Morehouse, Oswego, N. Y., assignors to The Diamond Match Company, Chicago, Ill. Sanding mechanism for match boxes. 1,557,443; Oct. 13.
Electric Outlet Company. (See Hartmann, Povl, assignor.)
Elliott, John F., Allerton, Iowa. Track liner. 1,556,681; Oct. 13.
Ellis, Carleton, Montclair, N. J. Synthetic resin coating composition. 1,557,519; Oct. 13.
Ellis, Carleton, Montclair, N. J. Cleaner. 1,557,520; Oct. 13.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Cyclohexanol-aldehyde resin and making the same. 1,557,521; Oct. 13.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Elsasser, Henry W., New York, N. Y., assignor to American Telephone and Telegraph Company. Terminal network for high-pass wave filters. 1,557,036; Oct. 13.
Elzemeyer, Ernst H., assignor to American Pulverizer Company, St. Louis, Mo. Pulverizing machine. 1,557,444; Oct. 13.
Emerson, Edwin O., Gananoque, Canada. Extension attachment for automobile pedals. 1,556,921; Oct. 13.
Endo, Toshiichiro, Iwaki-gun, Fukushima-Ken, Japan. Manufacturing seasonings or like foodstuffs from fish or shellfish. 1,556,772; Oct. 13.
Engeln Electric Company, The. (See Dee, William C., assignor.)
Englander Springbed Company. (See Kreuskamp, August J., assignor.)
Erickson, Charles J. (See Keith, A. E., and Erickson.)
Erickson, John. (See Keith, A. E., and Erickson.)
Erie Steam Shovel Company. (See Armstrong, Edwin J., assignor.)
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Reduction of cross talk. 1,557,037; Oct. 13.
Estes, George L., assignor of one-half to O. C. Strode, Oklahoma City, Okla. Traffic signal. Des. 68,433; Oct. 13.
Euller, Montford R., Lima, Ohio. Piano attachment. 1,557,445; Oct. 13.
Evans, Robert D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Power-factor meter. 1,557,038; Oct. 13.
Ewing, Willard R., assignor to McWilliams Dredging Company, Chicago, Ill. Excavator-controlling apparatus. 1,556,595; Oct. 13.
Fahrney, Emery H., Chicago, Ill. Snowplow. 1,557,446; Oct. 13.
Fairbanks, Ernest H. (See Fitzpatrick, Hugh D., assignor.)
Fanner Manufacturing Company, The. (See Gibson, Samuel H., assignor.)
Faraggi Ernest, Paris, France. Device for the automatic stoppage of spiral springs. 1,557,447; Oct. 14.
Farish, William A., assignor to Owl Headlight Screen Co., Inc., Norfolk, Va. Headlight screen. 1,556,682; Oct. 13.
Farrand, Harry B., Philadelphia, Pa. Continuous rotary electroplating machine. 1,557,474; Oct. 13.
Farrow, Edward S., jr., assignor to Eastman Kodak Company, Rochester, N. Y. Treating cellulose acetate. 1,557,147; Oct. 13.
Feely, Frank J., Elgin, assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation, Chicago, Ill. Combination mounting for dial mechanisms. 1,556,773; Oct. 13.
Felstead, William, Victoria, British Columbia, Canada. Heel for boots and shoes. 1,557,448; Oct. 13.
Fennell, Charles H., Detroit, Mich. Shipping device. 1,557,449; Oct. 13.
Fensky, Charles, St. Louis, Mo. Audiphone. 1,556,774; Oct. 13.
Fensky, Charles, St. Louis, Mo. Audiphone. 1,556,775; Oct. 13.
Fentiman, George D., Stillwater, Okla. Fertilizer distributor. 1,556,922; Oct. 13.
Fernald, Mark E., Saugus, assignor to C. C. Blake, Incorporated, Boston, Mass. Work-positioning apparatus. 1,556,683; Oct. 13.
Ferngren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass apparatus. 1,557,148; Oct. 13.
Ferguson, Milford B., assignor of one-half to E. Hass, Brooklyn, N. Y. Wrapping machine. 1,557,039; Oct. 13.
Fey, Anthony B., Cincinnati, Ohio, assignor to Augustine Davis, jr., Covington, Ky. Manhole or like structure. 1,556,696; Oct. 13.
Fischer, Charles W., Sparks, Nebr. Tobacco-pipe stem. 1,557,351; Oct. 13.
Fisher, Henry C. (See Johnson, M. A. C., and Fisher.)
Fisher, Rudolph F. (See Zebold, F. A., Duncan, and Fisher.)
Fitzpatrick, Hugh D., Glasgow, Scotland, assignor to E. H. Fairbanks, Philadelphia, Pa. Disk-record cabinet. 1,557,149; Oct. 13.
Flintermann, Rudolph F., Detroit, Mich. Material for resisting oxidation at high temperatures. 1,556,776; Oct. 13.
Florence, John, Indianapolis, Ind. Faucet. 1,556,923; Oct. 13.
Fogelsonger, Roy R., Clarence, N. Y. Newspaper-vending machine. 1,556,777; Oct. 13.
Ford Motor Company. (See Avery, C. W., and Brown, assignors.)
Ford Motor Company. (See Smith, William H., assignor.)
Forgerson, Charles, assignor of one-half to E. D. Moon, Toledo, Ohio. Window-control mechanism. 1,557,150; Oct. 13.
Forostovsky, Paul, jr., Baltimore, Md. Automobile body. 1,556,778; Oct. 13.
Fostoria Glass Company. (See Bottome, Edgar M., assignor.)
Fostoria Glass Company. (See Greenan, Frank D., assignor.)
Fox, George M., Springfield, Mass., assignor to Milton Bradley Company. Dice game. 1,557,450; Oct. 13.
Francart, Henri, Tongres, Belgium. Tunnel furnace, kiln, oven, and the like. 1,557,040; Oct. 13.
Frank, Harrison J. L., assignor to Mutual Electric and Machine Company, Detroit, Mich. Switch. 1,557,353; Oct. 13.
Frank, Martin, Gruhnhain, Germany. Ten strainer. 1,557,041; Oct. 13.
Franke, John B., assignor to Perfection Biscuit Company, Fort Wayne, Ind. Cracker case. 1,556,924; Oct. 13.
Franklin Simon & Co. (See Davis, Taube, assignor.)
Fraser, Robert L., McCrory, Ark. Burial casket. 1,557,042; Oct. 13.
Frasier, Pearl G., Ankeny, Iowa. Rotary valve structure for engines. 1,557,245; Oct. 13.

Frey, Ernst, Troisdorf, near Cologne, Germany, assignor of one-fourth to J. Nicholaysen, one-fourth to T. B. Danckwortt, and one-half to F. H. Osgood, Seattle, Wash. Regulating the fuel supply with compressorless high-pressure crude-oil engines. 1,557,151; Oct. 13.

Frink, Fred J., Lancaster, Ohio, and R. L. Frink, London, England. Metallic mold for forming glass articles and making same. 1,556,925; Oct. 13.

Frink, Robert L. (See Frink, Fred J., and R. L.)

Frisk, Edward. (See Nordenfelt, P., and Frisk.)

Fritsche, Wenzel, New York, N. Y. Multiple-exposure camera. 1,557,152; Oct. 13.

Fritz, Edward B., Chicago, Ill. Hydrating beating and refining machine. 1,556,926; Oct. 13.

Fritz, Edward B., Chicago, Ill. Hydrating beating and refining machine. 1,556,927; Oct. 13.

Fry, Benjamin L., St. Louis, Mo. Vending-machine casing. Des. 68,434; Oct. 13.

Fulda, Edward, New York, N. Y. Rewinding device. 1,557,450; Oct. 13.

Fulper, John W., Annandale, assignor to E. H. Stout, Trenton, N. J. Method of making and structure of gears. 1,557,522; Oct. 13.

Galetzka, Ambros, assignor of one-half to Sächsisches Serumwerk Aktiengesellschaft, Dresden, Germany. Producing photomechanical printing plates. 1,557,354; Oct. 13.

Galloway, Jesse G., Falmouth, Ky. Compartment bag. 1,557,246; Oct. 13.

Gamewell Company, The. (See Beach, Clarence E., assignor.)

Ganders, Fred E., Walla Walla, Wash. Golf club. 1,556,928; Oct. 13.

Gardner, Clayton M., St. Regis Falls, N. Y. Distributing tray. 1,556,684; Oct. 13.

Garner, William R., Erie, Pa., assignor of one-fourth to C. Jacobsen and one-fourth to A. F. Jorss, Washington, D. C. Combined telegraph relay and telephone. 1,557,247; Oct. 13.

Gavlak, Joseph G., Monongahela, Pa. Spark plug. 1,556,779; Oct. 13.

Geiger, Anna B., executrix. (See Geiger, George C.)

Geiger, George C., deceased. East McKeesport, Pa.; A. B. Geiger, executrix. Automatic car and electric coupler. 1,557,537; Oct. 13.

Geise, Henry F., Whites, Wash. Artificial hand. 1,557,355; Oct. 13.

General Motors Corporation. (See Carter, John J., assignor.)

General Motors Corporation. (See Hardman, Frederick J., assignor.)

General Motors Corporation. (See Kroeger, Frederick C., assignor.)

General Motors Corporation. (See Norviel, Harry E., assignor.)

General Motors Corporation. (See Ormsby, Donald D., assignor.)

General Motors Corporation. (See Reuter, Irving J., assignor.)

General Motors Corporation. (See Seaholm, Ernest W., assignor.)

General Motors Corporation. (See Whitacre, Clarence J., assignor.)

General Motors Corporation. (See Wilson, Charles E., assignor.)

General Motors Research Corporation. (See Hunt, John H., assignor.)

General Motors Research Corporation. (See Lee, C. L., and Van Degrift, assignors.)

General Motors Research Corporation. (See Lee, Charles L., assignor.)

General Motors Research Corporation. (See Sergardi, Fabio, assignor.)

General Motors Research Corporation. (See Williams, Harry M., assignor.)

General Optical Company. (See Clement, H., and Ryer, assignors.)

George, Anthony, Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of benzoic acid from benzotrichloride. 1,557,153; Oct. 13.

George, Anthony, Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of benzoyl chloride. 1,557,154; Oct. 13.

Gerlach, Erwin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrodynamic loud-speaking apparatus. 1,557,356; Oct. 13.

Gernsback, Hugo, New York, N. Y. Cord terminal. 1,557,248; Oct. 13.

Gewerkschaft Securitas. (See Scherbius, Arthur, assignor.)

Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,557,198; Oct. 13.

Ghegan, John J., East Orange, N. J. Telegraph instrument. 1,557,155; Oct. 13.

Gibert, René, Paris, France. Amusement device. 1,556,597; Oct. 13.

Gibson, Samuel H., assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Valve for use with barrels. 1,557,451; Oct. 13.

Gilmour, Thomas J., et al. (See Johansen, Valdemar, assignor.)

Girl, Christian, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper for automobiles. 1,556,780; Oct. 13.

Gjorup, Thomas E., assignor of one-half to L. Hansen, Chicago, Ill. Resilient grip. 1,556,781; Oct. 13.

Glang, John, assignor of one-half to G. Ostertag, San Francisco, Calif. Saw-filing device. 1,557,494; Oct. 13.

Glasgow, David W., Albion, Nebr. Marking device. 1,556,782; Oct. 13.

Gleason, William W. (See Suekoff, S., and Gleason.)

Gless, Constant S., Los Angeles, Calif. Extension handle for golf sticks. 1,557,156; Oct. 13.

Globe Wernicke Co. (See Ringler, William A., assignor.)

Golden, Daniel J., Brockton, Mass. Athletic shoe. 1,557,157; Oct. 13.

Golinick, Paul A., and J. J. Toolan, assignors to Spiegel, May, Stern Co., Chicago, Ill. Selector mechanism for addressing machines. 1,556,929; Oct. 13.

Goode, Gilbert C., assignor to The White Motor Company, Cleveland, Ohio. Transmission-housing support. 1,557,452; Oct. 13.

Goodman, Leon, Philadelphia, Pa. Doll. Des. 68,435; Oct. 13.

Goodman, Leon, Philadelphia, Pa. Doll. Des. 68,436; Oct. 13.

Gooseide, Elias, Long Island City, N. Y. Gas-saving device. 1,557,249; Oct. 13.

Gopher Brush Company. (See Gray, Carl C., assignor.)

Gornell, Herbert, Twickenham, England. Fountain pen. 1,557,357; Oct. 13.

Governale, Antonio, Brooklyn, N. Y. Panel for bedstead ends. Des. 68,503; Oct. 13.

Grab, Eugene G., Washington D. C. Treating fruit for canning purposes. 1,557,358; Oct. 13.

Graham & Norton Company. (See Norton, Clifford, assignor.)

Graham, Fremont S., Orting, Wash. Trap. 1,557,043; Oct. 13.

Graham, James H., Torrington, Conn. Spindle for bicycle pedals. 1,557,359; Oct. 13.

Graham, Walter F., Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Alcohol Co. Nickel-copper alloy. 1,557,044; Oct. 13.

Grandfield, Earl M., Boynton, Okla. Safety plug. 1,557,250; Oct. 13.

Grant, Harry C., Bayonne, N. J., assignor to Klaxon Company. Electric motor. 1,557,158; Oct. 13.

Grasselli Chemical Company, The. (See Tanner, Wellington L., assignor.)

Grau, Hans, Zurich, Switzerland. Electrical heater. 1,556,929; Oct. 13.

Grauer, F. M., et al. (See Munz, Harry L., assignor.)

Graves, Edward M. (See Watson, Wilbur J., assignor.)

Gray, Carl C., assignor to Gopher Brush Company, Minneapolis, Minn. Brush-making machine. 1,556,783; Oct. 13.

Greene, Frederick J., Racine, Wis. Crosscut-saw mechanism. 1,557,360; Oct. 13.

Greenfield's, E., Sons. (See Keish, W. C., and Kallenberg, assignors.)

Greenleaf, George E., Plainfield, H. L. Blood, North Plainfield, and R. H. Rausch, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y. Tool-operating mechanism. 1,556,784; Oct. 13.

Greenan, Frank D., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass goblet or similar article. Des. 68,437; Oct. 13.

Greenan, Frank D., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass goblet or similar article. Des. 68,438; Oct. 13.

Gregory & Read Company. (See Gulliford, Nicholas L., assignor.)

Griffin, Albert D., Plankinton, S. Dak. Tire-chain-fastener clamp. 1,557,495; Oct. 13.

Griffin Wheel Company. (See Vial, Frederick K., assignor.)

Griffin Wheel Company. (See Wickland, A. A., and Vial, assignors.)

Griffith-Hope Company. (See Griffith, R. W., and Hope, assignors.)

Griffith, Raymond W., and S. N. Hope, assignors to Griffith-Hope Company, Milwaukee, Wis. Instrument light. 1,557,045; Oct. 13.

Grimm, Jesse, New Philadelphia, Ohio. Nut lock. 1,557,361; Oct. 13.

Griswold, Thomas, jr., assignor to The Dow Chemical Company, Midland, Mich. Method of and apparatus for dry cleaning. 1,556,785; Oct. 13.

Griswold, Thomas, jr., assignor to The Dow Chemical Company, Midland, Mich. Dry cleaning. 1,556,786; Oct. 13.

Gross, Wilhelm L., Berlin, Germany, assignor to H. G. Spilsbury, Roselle Park, N. J. Method and apparatus for molding and welding. 1,557,453; Oct. 13.

Grosse, Eduard, Wachwitz, near Dresden, Germany. Printing machine. 1,556,787; Oct. 13.

Grushlaw & Sichel. (See Witte, Otto, assignor.)

Gulliford, Nicholas L., Peabody, Mass., assignor to Gregory & Read Company, Boston, Mass. Wood-heel making. 1,557,046; Oct. 13.

Gutweiler, Anthony J. (See Ansehl, Benjamin, assignor.)

Gwynn, Emmer F., and H. H. James, Pittsburgh, Pa. Motor reverse control. 1,557,047; Oct. 13.





Gynan, Thomas M., Lebanon, Ohio. Innersole. 1,556,685; Oct. 13.

H-R Manufacturing Company. (See Hill, G. S., and Saxton, assignors.)

Hans, Edward. (See Ferguson, Milford B., assignor.)

Hahn, Frank R., Decatur, assignor of one-half to W. P. Landon, Rochelle, Ill. Septic tank and like construction. 1,557,523; Oct. 13.

Hahnemann, Walter, Kitzeberg, near Kiel, Germany, assignor to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Vibration apparatus, particularly for receiving and producing sound waves. 1,557,048; Oct. 13.

Hall, Randolph F., Ithaca, N. Y., assignor of one-fourth to T. P. Hall, Wallingford, Conn. Airplane. 1,556,686; Oct. 13.

Hall, Theodore P. (See Hall, Randolph F., assignor.)

Halladay, Lewis P., Decatur, Ill. Vehicle suspension. 1,556,931; Oct. 13.

Hallowell, Howard T., Philadelphia, Pa. Clutch. 1,557,159; Oct. 13.

Hallvarson, Peter W., Black Diamond, Alberta, Canada. Combination tool. 1,556,788; Oct. 13.

Hamlin, Charles R., Chicago, Ill. Wall closet. 1,557,251; Oct. 13.

Hammer, Samuel, Brooklyn, assignor to United Metal Box Company, Inc., Long Island City, N. Y. Box hinge. 1,557,454; Oct. 13.

Hammond, John H., jr., Gloucester, Mass. Electrical antenna. 1,557,049; Oct. 13.

Hanglin, Albert J., Newark, N. J. Leather-degreasing process. 1,556,598; Oct. 13.

Hansen Canning Machinery Corporation. (See Hansen, Oswald H., assignor.)

Hansen, Louis. (See Gjorup, Thomas E., assignor.)

Hansen, Oswald H., Port Washington, Wis., assignor to Hansen Canning Machinery Corporation. Automatic stop mechanism. 1,557,455; Oct. 13.

Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, administrators. Thrust bearing. 1,557,524; Oct. 13.

Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, administrators. Driving connection. 1,557,525; Oct. 13.

Hanson, Einar A., et al., administrators. (See Hanson, Bengt M. W.)

Harbecke, Herman H., assignor to Automatic Electric Company, Chicago, Ill. Relay. 1,556,599; Oct. 13.

Harding Glass Company, The, et al. (See Howard, Joe H., assignor.)

Hardman, Frederick J., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Connecting mechanism. 1,556,988; Oct. 13.

Hardman, Frederick J., Dayton, Ohio, assignor to General Motors Corporation. Engine-starting apparatus. 1,557,199; Oct. 13.

Hardy, Benjamin L., Mobile, Ala. Rotary gasoline motor. 1,556,600; Oct. 13.

Hardy, Wilbur H., Freewater, Oreg. Packer's collapsible paper holder. 1,556,789; Oct. 13.

Harris, Earl A., Scranton, Pa. Battery cell. 1,556,932; Oct. 13.

Harrig, Oscar, Hackensack, assignor to The Perfect Gasoline Vaporizer Company, Paterson, N. J. Mixing device. 1,557,362; Oct. 13.

Hart, William C., New York, N. Y. Inking roller for printing presses. 1,557,281; Oct. 13.

Hartley, Ellis, assignor to Whitin Machine Works, Whitinsville, Mass. Builder mechanism for spinning and like machines. 1,557,363; Oct. 13.

Hartmann, Povl, Brooklyn, assignor to Electric Outlet Company, Inc., New York, N. Y. Electrical fixture support. 1,557,526; Oct. 13.

Haseltine, Clifford L., Carr Creek Township, Mitchell County, Kans. Hitch for machines and wagons. 1,557,456; Oct. 13.

Haupenthal, John R., assignor of one-half to B. E. Wilson, Rochester, N. Y. Game of skill. 1,557,160; Oct. 13.

Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Lacing-stud-setting machine. 1,557,050; Oct. 13.

Hawkeye Invention Co. (See Bobo, Ruben, assignor.)

Hawkinson, John. (See Delegard, C. J., and Hawkinson.)

Hawley, Amos H., Norwood, Ohio, assignor to Remington Arms Company, Inc., New York, N. Y. Accounting machine and motor-drive mechanism. 1,557,457; Oct. 13.

Hayes, Harvey C., Washington, D. C. Sound producer. 1,557,161; Oct. 13.

Haynes, Dred P., Anniston, Ala. Lock. 1,556,687; Oct. 13.

Hazelton, Robert T., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Stroke Indicator. 1,557,527; Oct. 13.

Headley, Afton R., Mulberry, Ohio. Egg beater. 1,557,364; Oct. 13.

Hedstrom, Gustav W., Chicago, Ill. Can-end-curling machine. 1,557,162; Oct. 13.

Helfinstine, Rall E., Dayton, Ohio. Hydraulic shock absorber. 1,556,790; Oct. 13.

Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Railway motor. 1,557,051; Oct. 13.

Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. Des. 68,439; Oct. 13.

Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,556,933; Oct. 13.

Hemming, Carl H. and F. P., New Haven, Conn. Table knife. 1,556,989; Oct. 13.

Hemming, Frank P. (See Hemming, Carl H. and F. P.)

Henderson, Marcellus, West Hoboken, N. J. Propeller. 1,556,791; Oct. 13.

Henrichon, Alphonse J., Palmer, Mass. Cloth making. 1,557,282; Oct. 13.

Henry, Albert C. (See Henry, Ralph L., assignor.)

Henry, Ralph L., Brooklyn, assignor to A. C. Henry, Inwood, Long Island, N. Y. Commutator brush. 1,556,990; Oct. 13.

Higgins, Oscar E. (See Wise, Fred W., assignor.)

Higgins, William L., Buffalo, N. Y. Regulating device for combustible furnaces. 1,556,817; Oct. 13.

Hill, George S., and A. C. Saxton, assignors to H-R Manufacturing Company, Chicago, Ill. Lock. 1,556,818; Oct. 13.

Hillding, Axel A., San Francisco, Calif. Muffler or silencer. 1,556,934; Oct. 13.

Hillix, Foster F., assignor to White Sewing Machine Company, Cleveland, Ohio. Motor attachment for sewing machines. 1,556,688; Oct. 13.

Hills, Isaac A., Grand Rapids, Mich. Luggage carrier. 1,556,601; Oct. 13.

Himes, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Short-circuiting device. 1,557,052; Oct. 13.

Hindahl, David. (See Hoscelt, W. J., and Hindahl.)

Hippenmeyer, Irving R., Waukegan, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Transferring mechanism for bottle-filling machines. 1,556,991; Oct. 13.

Hires, John E., Langhorne, Pa., assignor to Cook Pottery Company. Cable-operated conveyer. 1,556,819; Oct. 13.

Hixson, Glenn A., Shawnee, Okla. Vermin exterminator 1,556,935; Oct. 13.

Hnilo, Frank. (See Weiss, E., and Hnilo.)

Hocking, Henry, assignor of one-half to Orion Rezkohoes Rézgálicgyár Részvenytársaság, Budapest, Hungary. Manufacturing red lead. 1,556,820; Oct. 13.

Hodge, Mary L., Franconia, N. H. Fruit-jar opener. 1,556,821; Oct. 13.

Hodge, William B., Charlotte, N. C. Sling psychrometer. 1,557,163; Oct. 13.

Hoeffken, Maurice L., Belleville, Ill. Turntable. Re16,184; Oct. 13.

Hofschneider, Frederic J., Rochester, N. Y. Liquid-controlling means for dental engines. 1,557,164; Oct. 13.

Hofstrand, Oscar B., Salt Lake City, Utah. Multiple-roast chloridizing process. 1,556,822; Oct. 13.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Electric switch. 1,556,823; Oct. 13.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 1,556,992; Oct. 13.

Holmgreen, Julius H., San Antonio, Tex. Pull-rod pump jack. 1,556,832; Oct. 13.

Hookless Fastener Company. (See Delamater, V. M., and Walker, jr., assignors.)

Hookless Fastener Company. (See Sundback, Gideon, assignor.)

Hooper, Charles W., Jamaica, N. Y. Food product. 1,557,053; Oct. 13.

Hooper, Elmer G., New York, N. Y. Pavement for highways. 1,557,165; Oct. 13.

Hope, Samuel N. (See Griffith, R. W., and Hope.)

Horák, Václav, Vinohrady, Prague, Czechoslovakia. Manufacturing resistant glass. 1,557,540; Oct. 13.

Horellick, Samuel, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Transformer structure. 1,557,283; Oct. 13.

Horn, Harold J., assignor to J. A. Roebling's Sons Company, Trenton, N. J. Metal brush. 1,557,166; Oct. 13.

Horning, Anna M., Burlington Junction, Mo. Flycatcher. 1,557,054; Oct. 13.

Horowitz, Joshua, Brooklyn, N. Y. Playing cards. 1,557,284; Oct. 13.

Horton, John T., Brooklyn, N. Y. Fall-rope carrier. 1,556,602; Oct. 13.

Horton, Winthrop S. (See Stevens, H. P., and Horton.)

Hoscelt, William J., and D. Hindahl, assignors to Rodger Ballast Car Company, Chicago, Ill. Door-control means. 1,556,833; Oct. 13.

Houdry, Eugène J., assignor to J. Houdry & Fils, Paris, France. Product for automatically sealing punctures in pneumatic tires. 1,556,834; Oct. 13.

Houdry, J., & Fils. (See Houdry, Eugène J., assignor.)

Howard, Joe H., assignor of one-fourth to Baker Brothers Glass Company, Okmulgee, Okla., one-fourth to The Harding Glass Company, Fort Smith, Ark., one-fourth to The National Glass Company, Independence, Kans., and one-fourth to Wichita Falls Glass Company, Wichita Falls, Tex. Splitting jack for glass cylinders. 1,557,528; Oct. 13.

Howell, Argus A. (See Langley, G. W., and Howell.)

Hoxton, L. G., et al. (See Ryalls, John H., assignor.)

Hoyle, George W., Santa Rosa, Calif. Invalid's and cripple's bed appliance. 1,557,055; Oct. 13.

Hughes, Arthur S., Mansfield, Ohio. Safety-tread-step construction. 1,557,285; Oct. 13.

Hughes, Arthur S., Mansfield, Ohio. Interlocked-step construction. 1,557,286; Oct. 13.
Hughes, Arthur S., Mansfield, Ohio. Stair construction. 1,557,287; Oct. 13.
Huhn, Emma, Chicago, Ill. Window seat. 1,556,835; Oct. 13.
Hull, Harry B., assignor to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,556,689; Oct. 13.
Hull, Harry B., assignor to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,557,200; Oct. 13.
Hulscher, William T., Battle Creek, Mich. Strainer. 1,556,993; Oct. 13.
Hummel, Howard H., assignor to Bethlehem Steel Company, Bethlehem, Pa. Accumulator control mechanism. 1,556,836; Oct. 13.
Hunt, John H., assignor to General Motors Research Corporation, Dayton, Ohio. Ignition apparatus. 1,557,201; Oct. 13.
Hunt, John H., assignor to General Motors Research Corporation, Dayton, Ohio. Generator brush. 1,557,202; Oct. 13.
Hunter, James E., and C. H. Lindsay, Monaca, Pa. Automatic freight-car-door-locking mechanism. 1,557,288; Oct. 13.
Huntley, George J., Baltimore, Md., assignor to The Crown Cork and Seal Company of Baltimore City. Packaging apparatus. 1,556,837; Oct. 13.
Hurxthal, Alpheus O. (See Kershaw, F., and Hurxthal.)
Hutchinson, Miller R. (See Curtiss, Nathan A., assignor.)
Huttle, Gustave E., Scottdale, Pa. Safety catch for mine gates. 1,556,690; Oct. 13.
Huyck, Oliver E., Wauseon, Ohio. Beet topper. 1,557,289; Oct. 13.
Hydraulic Pressed Steel Company, The. (See Kranz, Harry W., assignor.)
Hydro High Vacuum Pump Company, The. (See Rosenhagen, Victor, assignor.)
Ideal Engine Company. (See Seeley, Fayette M., assignor.)
Imperial Printing & Finishing Co. (See Thackeray, Norman C., assignor.)
Imsande, John D., assignor of one-half to E. C. Zimmerman, Cincinnati, Ohio. Heat deflector. 1,557,252; Oct. 13.
Indahl, Mauritz C., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Punch-cutting machine. 1,556,691; Oct. 13.
Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
Ingersoll-Rand Company. (See Carpenter, Allan O., assignor.)
Ingram, Beatrice S., administratrix. (See Schneible, Joseph.)
Inland Manufacturing Company, The. (See Geyer, Harvey D., assignor.)
Inland Manufacturing Company, The. (See Lee, John W., assignor.)
Inland Manufacturing Company, The. (See Whittaker, Wallace S., assignor.)
Innes, Roy S., Madison, S. Dak. Automobile radiator-thawing device. 1,557,496; Oct. 13.
Ippolito, Stanislao, New York, N. Y. Water engine. 1,557,290; Oct. 13.
Irving-Pitt Manufacturing Company. (See Van Valkenburgh, Richard M., assignor.)
Ives, Erwin H., San Francisco, Calif. Theft-indicating windshield for vehicles. 1,557,167; Oct. 13.
Jackson, Corwill, Chicago, Ill. Tamping or ballasting machine. 1,556,603; Oct. 13.
Jackson, Corwill, Chicago, Ill. Tamping or ballasting machine. 1,556,604; Oct. 13.
Jackson, Corwill, Chicago, Ill. Railway-roadbed working tool. 1,556,605; Oct. 13.
Jacob, Heinrich, assignor to the Firm Optische Anstalt C. P. Goerz Aktiengesellschaft, Friednau, near Berlin, Germany. Aiming device with optical reflecting system for moving stations. 1,556,994; Oct. 13.
Jacobi, Edward N., Milwaukee, Wis., and F. W. Lawrence, Detroit, Mich., assignors, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,556,606; Oct. 13.
Jacobs, George, Detroit, Mich. Signal. 1,557,291; Oct. 13.
Jacobs, George, Detroit, Mich. Signal. 1,557,292; Oct. 13.
Jacobsen, Calle P., Oakland, Calif. Eye-shading attachment for windshields. 1,557,293; Oct. 13.
Jacobsen, Charles, et al. (See Garner, William R., assignor.)
James, Harry H. (See Gwynn, E. F. and James.)
Jarman, John P., Sioux City, Iowa. Cream-can lock. 1,556,936; Oct. 13.
Jennings, Oliver S., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Starting safety switch. 1,557,056; Oct. 13.
Jennings, Oliver S., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Safety switch. 1,557,057; Oct. 13.
Jensen, George A., Denver, Colo. Storage-battery indicator. 1,556,838; Oct. 13.
Johannsen, Valdemar, Brooklyn, assignor to K. Murck and T. J. Gilmour, New York, N. Y., and himself. Shade roller. 1,557,058; Oct. 13.
Johns, Donald F., Maricopa, Calif. Deep-well pump. 1,557,294; Oct. 13.
Johnson Bros. Engineering Corporation. (See Johnson, Louis J., assignor.)
Johnson, Carl G. (See Bastian, C. L., and Johnson.)
Johnson, Charles E., Muskegon, Mich. Piston-ring rough-grinding machine. 1,556,995; Oct. 13.
Johnson, Clarence P., Lexington, Mass. Commodity-display device. 1,557,059; Oct. 13.
Johnson, Harly S., Erwin, Tenn. Safety device for locomotivetrunks. 1,556,839; Oct. 13.
Johnson, Louis J., Mishawaka, assignor to Johnson Bros. Engineering Corporation, South Bend, Ind. Outboard motor for small craft. 1,557,253; Oct. 13.
Johnson, Myron A. C., and H. C. Fisher, Asheville, N. C. Shock absorber. 1,557,497; Oct. 13.
Johnson, T., Company. (See Johnson, Walter O., assignor.)
Johnson, Walter O., assignor to T. Johnson Company, Chicago, Ill. Apparatus for and process of truing coopers' truss hoops. 1,556,996; Oct. 13.
Johnston, Allen, assignor to Johnston Pressed Gear Company, Ottumwa, Iowa. Lawn mower. 1,556,997; Oct. 13.
Johnston Pressed Gear Company. (See Johnston, Allen, assignor.)
Johnston, Walter E., Youngstown, Ohio. Picture-projecting machine. 1,557,295; Oct. 13.
Johnston, William, Bowesmont, N. Dak. Stove. 1,556,937; Oct. 13.
Jones, Edward T., New Orleans, La. Electrical reproducer for phonographs. 1,557,529; Oct. 13.
Jones, James S., executor. (See Jones, Thomas L.)
Jones, John A., New York, N. Y. Closure for liquid containers. 1,556,938; Oct. 13.
Jones, Thomas L., deceased, London, England; J. S. Jones, executor, assignor to J. MacDougall, Prestwick, Scotland. Headband for head phones. 1,556,792; Oct. 13.
Jorgenson, Walter R., assignor to Jostam Manufacturing Co., Chicago, Ill. Recoil device for guns. 1,557,538; Oct. 13.
Jorss, A. F., et al. (See Garner, William R., assignor.)
Josse, André, Etampes, France. Device for making wire bands from which whalebones are made. 1,557,365; Oct. 13.
Jostam Manufacturing Co. (See Jorgenson, Walter R., assignor.)
Juresisin, George, Wilkes-Barre, Pa. Motor-operated drill. 1,557,366; Oct. 13.
Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Draft yoke. 1,557,060; Oct. 13.
Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Backstop. 1,557,061; Oct. 13.
Kadesch, William H., Cedar Falls, Iowa. Universal joint. 1,556,840; Oct. 13.
Kadlubowski, Antoni, deceased, Jersey City, N. J.; J. Kadlubowski, administratrix. Combination lock. 1,557,168; Oct. 13.
Kadlubowski, Josefa, administratrix. (See Kadlubowski, Antoni.)
Kalina, Charles A., Exeter, Nebr. Road scraper and snowplow. 1,557,169; Oct. 13.
Kallenberg, John. (See Keish, W. C., and Kallenberg.)
Kaltoft, Jess A. (See Madsen, C. C., and Kaltoft.)
Kändler, Hermann, Berlin - Friedenau, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Increasing the strength of metallic bodies. 1,557,367; Oct. 13.
Kane, Thomas H., Youngstown, Ohio. Hanger. 1,556,607; Oct. 13.
Karn, Edwin B., and L. J. Leuthart, Osage, Wyo. Fishing tool. 1,556,692; Oct. 13.
Karsten, Karl G., New York, N. Y. Package for dates, figs, candies, and like products. 1,556,608; Oct. 13.
Karsten, Karl G., New York, N. Y. Map. 1,556,609; Oct. 13.
Katcher, Morris, assignor to J. B. Kaufman Co., New York, N. Y. Embroidery-stamping machine. 1,556,998; Oct. 13.
Kaufman, J. B., Co. (See Katcher, Morris, assignor.)
Kaufmann, Charles D., assignor to Kaufmann & Fabry Co., Chicago, Ill. Producing folders. 1,557,170; Oct. 13.
Kaufmann & Fabry Co. (See Kaufmann, Charles D., assignor.)
Keene, Alvin D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,557,062; Oct. 13.
Keener, Charles M., assignor to W. H. Zachry, Atlanta, Ga. Broom. 1,556,841; Oct. 13.
Keilholtz, Lester S., and E. Dickey, assignors to Delco-Light Company, Dayton, Ohio. Engine. 1,557,203; Oct. 13.
Keish, William C., and J. Kallenberg, Brooklyn, N. Y., assignors to E. Greenfield's Sons. Candy-making machine. 1,556,610; Oct. 13.



Keith, Alexander E., and J. and C. J. Erickson, Chicago, Ill., assignors, by mesne assignments, to Automatic Electric Company. Automatic telephone exchange. 1,556,999; Oct. 13.
Kellen, Henry J., Woodstock, Minn. Tire-chain lock. 1,557,171; Oct. 13.
Kelley, Edward F., assignor to The Raybestos Company, Bridgeport, Conn. Detachable ear for transmission bands. 1,557,063; Oct. 13.
Kellogg, Leroy D., Deerfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,556,842; Oct. 13.
Kellogg Switchboard and Supply Company. (See Currier, H. D., and Eaton, assignors.)
Kellogg Switchboard and Supply Company. (See Kellogg, Leroy D., assignor.)
Kennedy, David, Richmond, Va. Lifting attachment for riveting machines. 1,556,693; Oct. 13.
Kenney, Myron E., Everett, Wash. Carpenter's plane. 1,557,204; Oct. 13.
Kerr, Alexander, assignor of one-half to A. Rim, jr., La Crosse, Wis. Combined parking light and traffic signal. 1,557,064; Oct. 13.
Kershaw, Frederick, and A. O. Hurxthal, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Loop drier. 1,557,368; Oct. 13.
Kettering, Charles F., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Automatic switch. 1,557,205; Oct. 13.
Kettering, Charles F., assignor to Delco-Light Company, Dayton, Ohio. Fuel-supply device. 1,557,206; Oct. 13.
Keymax Feeder Company. (See Plum, S. H., 2d, and Sibole, assignors.)
Kimball, Bessie N. (See Kimball, William F. and B. N.)
Kimball, William F. and B. N., New Milford, Conn. Instrument plectrum. 1,557,476; Oct. 13.
Kinder, Cloyd L., Denver, Colo. Rotary engine. 1,556,813; Oct. 13.
King, Claude A., and C. M. Warlick, Durham, N. C., assignors to Clean Wash Paint and Varnish Remover Co., Syracuse, N. Y. Paint and varnish remover and process. 1,556,694; Oct. 13.
King, George E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,557,065; Oct. 13.
King, Harry F., Marshall, Mo. Supporting device. 1,557,254; Oct. 13.
Kingman, Russell B., assignor to Metal Textile Corporation, West Orange, N. J. Abrasive pot-cloth fabric. 1,557,296; Oct. 13.
Kiser, Samuel B., Altoona, Pa. Amusement device. 1,557,255; Oct. 13.
Kittle, Carlton L. (See Bade, J. H., and Kittle.)
Klaxon Company. (See Grant, Harry C., assignor.)
Klaxon Company. (See McBarron, William H., assignor.)
Klein, Nicholas J., and J. C. Law, Scranton, assignors to Wilmot Engineering Company, Hazleton, Pa. Chain. 1,557,172; Oct. 13.
Kleinbentink, Jan W., Hoensbroek, Limburg, Netherlands, assignor to Naamlooze Vennootschap Vereenigde Kolenmaatschappij en ter Voortzetting der Steenkolenzaken, Gedreven Door de N. V. Furness' Kolenmaatschappij en Hoven en Henny's Handelmaatschappij, Rotterdam, Netherlands. Means for skimming off froth. 1,557,369; Oct. 13.
Klepper, Eberhard, Crimmitschau, Germany. Apparatus for producing crinkled paper. 1,556,844; Oct. 13.
Klinkhammer, Peter, Los Angeles, Calif. Extension handle for garden hose. 1,557,477; Oct. 13.
Klocke, William, Woodhaven, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y. Drawing press. 1,556,611; Oct. 13.
Kloneck, August J., New York, N. Y. Variable inductance and coupler. 1,556,612; Oct. 13.
Knepper, Arthur, assignor of one-half to M. A. Miller, Belleville, Ill. Trailer-hitching device. 1,557,173; Oct. 13.
Kolarik, Frank F., New York, N. Y., and J. Martin, Guayaquil, Ecuador. Coin-operated calendar and savings bank. 1,557,458; Oct. 13.
Koppe, Alexander T., assignor to Directoplate Corporation, Chicago, Ill. Photographic light-timing device. 1,556,845; Oct. 13.
Koppers Company, The. (See Becker, Joseph, assignor.)
Kops, Waldemar, New York, N. Y., assignor to Nemo Circlet Company, Inc. Brassière. 1,557,459; Oct. 13.
Kotato, Teiji, New York, N. Y. Plate or similar article. Des. 68,440; Oct. 13.
Kotato, Teiji, New York, N. Y. Plate or similar article. Des. 68,441; Oct. 13.
Kotato, Teiji, New York, N. Y. Plate or similar article. Des. 68,442; Oct. 13.
Kotato, Teiji, New York, N. Y. Plate or similar article. Des. 68,443; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,444; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,445; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,446; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,447; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,448; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,449; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,450; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,451; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,452; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,453; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,454; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,455; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,456; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,457; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,458; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,459; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,460; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,461; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,462; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,463; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,464; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,465; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,466; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,467; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,468; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,469; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,470; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,471; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,472; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,473; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,474; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,475; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,476; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,477; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,478; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,479; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,480; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,481; Oct. 13.
Kotato, Teiji, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 68,482; Oct. 13.
Kotato, Teiji, New York, N. Y. Plate or similar article. Des. 68,483; Oct. 13.
Kovacs, Kalman, Manbar, W. Va. Toy gun. 1,556,846; Oct. 13.
Krantz, Hubert K., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Box structure. 1,557,066; Oct. 13.
Kranz, Harry W., assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Machine for sizing, cupping, and punching rims. 1,556,847; Oct. 13.
Kreuzkamp, August J., Chicago, Ill., assignor to Englander Spring Bed Company, Brooklyn, N. Y. Sliding couch. 1,557,460; Oct. 13.
Kroeger, Frederick C., Anderson, Ind., assignor to General Motors Corporation. Ignition apparatus. 1,557,207; Oct. 13.
Kronborg, Kristian, assignor to The American Rolling Mill Company, Middletown, Ohio. Sheet and plate piling device. 1,556,695; Oct. 13.
Kropp, John A. (See Lundquist, F. A., and Kropp.)
Kruger, Charles M., assignor to Parbee Manufacturing Company, St. Louis, Mo. Valve. 1,556,848; Oct. 13.
Kruger, Harry B. (See Robbins, Harold V., assignor.)
Kruger, Paul W., Boyett, Miss. Dental filling material. 1,556,696; Oct. 13.
Kruse, Theodore H., Aryada, Colo. Auto tire protector. 1,556,849; Oct. 13.
Kugel, Marcelle, by judicial change of name C. K. Marcell, assignor to Metal Package Corporation of New York, Brooklyn, N. Y. Machine for automatically hinging the bodies and covers of receptacles. 1,557,539; Oct. 13.
Kuhls, Ernest R., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Dynamo frame. 1,557,000; Oct. 13.

Kühn, Ludwig, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Combined transmitting and receiving arrangement. 1,557,067; Oct. 13.
Kühne, Georg, Konigsberg, Germany. Machine for sowing seed. 1,556,850; Oct. 13.
Kulas, Andrew, Marple, Nebr. Game. 1,556,851; Oct. 13.
Kunish, Emil. (See Lorenz, C., and Kunish.)
La Bonsky, Sam, Vancouver, British Columbia, Canada. Piston ring. 1,557,256; Oct. 13.
Ladeveze, Charles R., Providence, R. I. Safety-razor-blade holder. 1,556,613; Oct. 13.
La Ducer, Jerry J., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Profiling machine. 1,556,852; Oct. 13.
Lamplough, F., & Company, Limited. (See Lamplough, Frederick, assignor.)
Lamplough, Frederick, Highfield, Feltham, assignor to F. Lamplough & Company, Limited, London, England. Apparatus for treatment of hydrocarbon-oil vapors. 1,557,478; Oct. 13.
Lamson Company, The. (See Cowley, James T., assignor.)
Landkamer, Levi, Alexandria, Nebr. Mortar stringer. 1,556,616; Oct. 13.
Landon, W. P., (See Hahn, Frank P., assignor.)
Landwehr, A. H. (See Smith, C. E., and Buckingham, assignors.)
Lane Brothers Company. (See Lane, George, assignor.)
Lane, Edwin, assignor to Carolyn Laundry, New York, N. Y. Tool for applying and removing laundry markers. 1,557,370; Oct. 13.
Lane, George, assignor to Lane Brothers Company, Poughkeepsie, N. Y. Door holder. 1,556,615; Oct. 13.
Lane, George S., San Francisco, Calif., assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-control valve. 1,556,614; Oct. 13.
Lane, Kenneth M. (See Clark, V. E., and Lane.)
Langley, George W., and A. A. Howell; said Howell assignor of his entire right to D. N. Ward, Greenbrier, Ark. Leather-tanning compound. 1,557,174; Oct. 13.
Lanston Monotype Machine Company. (See Indahl, Mauritz C., assignor.)
Lanston Monotype Machine Company. (See Pierpont, Frank H., assignor.)
La Pierre, Julian B., Chicago, Ill. Steering wheel. 1,556,939; Oct. 13.
La Pierre Manufacturing Company. (See Bostock, Charles F., assignor.)
La Riboisiere, Jean, Washington, D. C. Motor fuel. 1,557,257; Oct. 13.
Larner, Chester W., Philadelphia, Pa., assignor to William Cramp & Sons Ship and Engine Building Company. Valve. 1,557,175; Oct. 13.
Larsen, Louis A., Hubbard Precinct, Nebr. Sickle guard. 1,557,258; Oct. 13.
Laskey, Philip B., Marblehead, Mass., assignor to The Chocolate Sponge Co., Inc., New York, N. Y. Porous candy and method of and apparatus for making it. 1,556,617; Oct. 13.
Lattimer-Stevens Company, The. (See Stevens, Frank E., assignor.)
Lauten, Henry G. F., Bay Shore, N. Y. Printing sheet material. 1,557,461; Oct. 13.
Law, James C. (See Klein, N. J., and Law.)
Lawrence, Francis W. (See Jacobi, E. N., and Lawrence.)
Lawrence, William, Chicago, Ill. Ventilating device. 1,556,618; Oct. 13.
Lea, Edward S., Morrisville, Pa., assignor to Carrier Engineering Corporation, Newark, N. J. Apparatus for casting pottery ware. 1,557,371; Oct. 13.
Lea, Edward S., Morrisville, Pa., assignor to Carrier Engineering Corporation, Newark, N. J. Apparatus for casting pottery ware. 1,557,372; Oct. 13.
Leach, Richard L., New Orleans, La. Standard-unit marine condenser. 1,556,697; Oct. 13.
Leake, Arthur G., Bridgeport, Conn. Hoist. 1,557,462; Oct. 13.
Le Beau, Fernando J., Niles Center, assignor of one-third to E. B. Thelin and one-third to T. L. Thelin, Chicago, Ill. Stepladder hinge. 1,556,853; Oct. 13.
Lee, Charles L., assignor to General Motors Research Corporation, Dayton, Ohio. Furnace. 1,556,698; Oct. 13.
Lee, Charles L., assignor to General Motors Research Corporation, Dayton, Ohio. Molding machine. 1,556,699; Oct. 13.
Lee, Charles L., and T. C. Van Degrift, assignors to General Motors Research Corporation, Dayton, Ohio. Furnace. 1,557,208; Oct. 13.
Lee, John W., assignor to Inland Manufacturing Company, Dayton, Ohio. Rotary cutter. 1,557,209; Oct. 13
Lee, John W., assignor to The Inland Manufacturing Company, Dayton, Ohio. Constructing wheel rims. 1,557,210; Oct. 13.
Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,556,700; Oct. 13.
Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Pumping apparatus. 1,557,211; Oct. 13.
Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,557,212; Oct. 13.
Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,557,213; Oct. 13.
Lee, William A., Ector, assignor of one-half to W. L. Mangrum, Whitewright, Tex. Kettle furnace. 1,557,068; Oct. 13.
Leis, Frank A., Garden Plains, Kans. Bearing cap. 1,556,940; Oct. 13.
Leitner, Henry, London, England. Metal air propeller and the like. 1,557,311; Oct. 13.
Leland, George H., and R. H. Ahlers, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio. Device and method for assembling armatures. 1,557,259; Oct. 13.
Lelyveld, Joseph, Rockland, Mass. Arch supporter. 1,557,312; Oct. 13.
Lenders, Adolph W. H., and J. M. Widmer, assignors to Penick & Ford Ltd. Incorporated, Cedar Rapids, Iowa. Manufacture of grape sugar. 1,556,854; Oct. 13.
Leu, Edward E. (See Leu, William A. and E. E.)
Leu, William A. and E. E., Chicago, Ill. Display device. 1,557,260; Oct. 13.
Leuthart, Lawrence J. (See Karn, E. B., and Leuthart.)
Lewis, Jacob D. (See Lindquist, D. L., and Lewis.)
Lewis, James R., Laurelton, N. J., assignor to Provident Machine Company. Apparatus for relining brake bands, clutch disks, and the like. 1,556,855; Oct. 13.
Libbey-Owens Sheet Glass Company, The. (See Ferngren, Enoch T., assignor.)
Liberman, Bernard, Philadelphia, Pa. Method and means for cigar bunching. 1,556,619; Oct. 13.
Liddell, John G., Everett, assignor to The Moore Pen Co., Boston, Mass. Mechanical pencil. 1,556,701; Oct. 13.
Liddell, Moses V., Mattituck, N. Y. Disk wheel. 1,556,941; Oct. 13.
Lindquist, David L., Hartsdale, and J. D. Lewis, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Control system for alternating-current motors. 1,556,620; Oct. 13.
Lindsay, Christian H. (See Hunter, J. E., and Lindsay.)
Lindsay, John H., Brooklyn, N. Y. Gas valve. 1,557,313; Oct. 13.
Linstedt, William F., Plymouth, Wis. Power-driven can opener. 1,556,943; Oct. 13.
Lipps, Evrah C., assignor to Packard Motor Car Company, Detroit, Mich. Securing a metallic composition to metal members. 1,556,702; Oct. 13.
Lipps, Louis P., assignor to G. C. Wing, trustee, Cleveland, Ohio. Device for shuffling cards. 1,556,856; Oct. 13.
Little, John L., Brooklyn, N. Y., assignor to The Vulcanized Rubber Company, Inc. Display device. 1,557,297; Oct. 13.
Lloyd, Frank L., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Packaging apparatus. 1,556,857; Oct. 13.
Loewenbach, Hugo, Milwaukee, Wis. Bowling alley. 1,557,176; Oct. 13.
Logan, Henry H., Chicago, Ill. Shielded hoist controller. 1,556,858; Oct. 13.
Logan, Henry H., Chicago, Ill. Dust guard for shock absorbers. 1,557,314; Oct. 13.
Logue, Alvin R., Tulsa, Okla. Traveling hoist. 1,557,070; Oct. 13.
Looney, Marcus S., Amarillo, Tex. Swing. 1,557,498; Oct. 13.
López, Antonio, West Tampa, Fla. Foot-power cigar-binder cutter. 1,556,944; Oct. 13.
L'Orange, Prosper, Mannheim-Freudenheim, assignor to Motoren-Werke Mannheim A.-G. vorm. Benz Abt. Stationärer Motorenbau, Mannheim, Germany. Internal-combustion engine. 1,556,859; Oct. 13.
Lorenz, Charles, and E. Kunish, Manitowoc, Wis. Automatic pin setter. 1,557,177; Oct. 13.
Loughridge, Matthew H., Bogota, N. J., assignor of one-half to H. W. Dyer, New York, N. Y. Mechanical motion. 1,557,069; Oct. 13.
Lovaas, John M., Minneapolis, Minn. Flash-light traffic signal. 1,556,860; Oct. 13.
Lovejoy, Ralph M., Meredith, N. H. Shock absorber. 1,557,298; Oct. 13.
Lovejoy, Ralph M., Meredith, N. H. Shock absorber. 1,557,299; Oct. 13.
Luchow, Harry, Council Bluffs, Iowa. Pipe. 1,556,945; Oct. 13.
Lucus, Charlie H., West Frankfort, Ill. Chair-moving apparatus. 1,557,300; Oct. 13.
Ludlow Typograph Company, The. (See Cromwell, George O., assignor.)
Ludlum Steel Company. (See Armstrong, Percy A. E., assignor.)
Lultwieler Pumping Engine Company. (See Minor, William A., assignor.)
Lukens, Alan R., Wyoming, assignor to The Richardson Company, Lockland, Ohio. Fibrating asphalt. 1,556,703; Oct. 13.
Lund, Oscar, Beverly, Kans. Brad. 1,556,946; Oct. 13.
Lundquist, Frank A., and J. A. Kropp, Chicago, Ill., assignors, by mesne assignments, to H. S. Conrad, trustee. Switching mechanism. 1,556,942; Oct. 13.
Lyons, Fred J., Madison, Wis. Photographic-printing machine. 1,557,301; Oct. 13.
Lynch, David W. and R. S., Lancaster, Pa. Desk. 1,557,541; Oct. 13.



Lynch, Raymond S. (See Lynch, David W. and R. S.)
MacDougall, John. (See Jones, Thomas L., assignor.)
MacFarland, Allis M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric rivet furnace. 1,557,074; Oct. 13.
MacLeod, John W., Brooklyn, N. Y. Fire apparatus. 1,557,075; Oct. 13.
Madsen, Carl C., and J. A. Kaltoft, Ruthton, Minn. Jack. 1,556,947; Oct. 13.
Madsen, Fred T., Green Bay, Wis., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,556,793; Oct. 13.
Madsen, Fred T., Maywood, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. 1,556,948; Oct. 13.
Mail, Henry C., Indianapolis, Ind. Lathe attachment. 1,556,949; Oct. 13.
Mangrum, William L. (See Lee, William A., assignor.)
Mann, Louis R., and D. I. Rohn, Madison, Wis. Musical wind instrument. 1,556,950; Oct. 13.
Manson, Adolph L., New York, N. Y. Toy. 1,556,794; Oct. 13.
Marathon Rubber Company. (See Reel, Ralph M., assignor.)
Marcell, Carroll K. (See Kugel, Marcelle.)
Marinsky, Davis, Bronx, N. Y. Semidetached fastening device. 1,557,303; Oct. 13.
Marinsky, Davis, Bronx, N. Y. Fastening device. 1,557,304; Oct. 13.
Marshall, James A., Mingo Junction, Ohio. Tobacco-moistening means. 1,556,951; Oct. 13.
Marshall, William C., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Press. 1,556,795; Oct. 13.
Martin, Julien. (See Kolarik, F. F., and Martin.)
Martin, Pierre J., Brussels, Belgium. Preparation of metallic screens for luminous projections. 1,557,530; Oct. 13.
Masonick, J. A., Company. (See Masonick, Joseph A., assignor.)
Masonick, Joseph A., assignor to J. A. Masonick Company, Lake Bluff, Ill. Dishwashing machine. 1,557,179; Oct. 13.
Mathieson Alkali Works, Inc., The. (See George, Anthony, assignor.)
McBarron, William H., Orange, N. J., assignor to Klaxon Company. Diaphragm for mechanical horns. 1,556,704; Oct. 13.
McCarthy, Gilbert J., Washington, D. C. Mixing device. 1,557,261; Oct. 13.
McClane, Joseph L., assignor to Dayton-Wright Company, Dayton, Ohio. Airplane-control mechanism. 1,557,214; Oct. 13.
McClary Manufacturing Company, The. (See Clark, Duncan G., assignor.)
McElwain, Harry C., et al. (See Page, Reginald J., assignor.)
McGee, Jesse E., Guntown, Miss. Serving-tray support for automobiles. 1,557,262; Oct. 13.
McGehee, Robert L., New York, N. Y. Cotton picker. 1,556,621; Oct. 13.
McGrath, Patrick J., Brooklyn, N. Y. Game apparatus. 1,556,861; Oct. 13.
McIntosh, James, Norristown, and J. M. Taylor, assignors to Diamond State Fibre Company, Bridgeport, Pa. Mechanical element and making same. 1,557,302; Oct. 13.
McKeown, A. F. (See Suekoff, S., and Gleason, assignors.)
McKissick, Clyde, Maxine, Okla. Pumping outfit. 1,556,862; Oct. 13.
McLaren, William E., Los Angeles, Calif. Steering mechanism for children's vehicles. 1,557,178; Oct. 13.
McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Fireplace basket. Des. 68,484; Oct. 13.
McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Fireplace basket. Des. 68,485; Oct. 13.
McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Fireplace basket. Des. 68,486; Oct. 13.
McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Fireplace basket. Des. 68,487; Oct. 13.
McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Fireplace basket. Des. 68,488; Oct. 13.
McMullen, Robert W., Bristow, Okla. Automatic regulating device for tanks. 1,557,071; Oct. 13.
McNaught, Norris F., Chicago, Ill. Shock absorber. 1,557,463; Oct. 13.
McWane, James R., Birmingham, Ala. Molding flask. 1,557,072; Oct. 13.
McWhirter, John S., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,557,073; Oct. 13.
McWilliams Dredging Company. (See Ewing, Willard R., assignor.)
Measuregraph Company, The. (See Wheeler, J. L., and Nugent, assignors.)
Meerbott, Joseph O., Jersey City, N. J. Window-sash lock. 1,557,305; Oct. 13.
Meharey, Andrew S., Springdale, Pa. Tray attachment for dining chairs. 1,556,622; Oct. 13.
Meissner, Adolf, Grand Rapids, Mich. Automobile signal. 1,556,863; Oct. 13.
Mendenhall, James H., Nottingham, Pa. Securing and latching mechanism for automobile hood lids. 1,556,864; Oct. 13.
Menough, Paul S., Bridgeport, Conn. Molding machine. 1,557,306; Oct. 13.
Messmer, Adolph, San Francisco, Calif. Making casein. 1,557,181; Oct. 13.
Melton, Wiley O., Rocky Mount, N. C. Receptacle charger. 1,557,180; Oct. 13.
Melvin, Roland A., Wilmington, Del. Promoting combustion and economizing in fuel consumption. 1,556,705; Oct. 13.
Metal Package Corporation of New York. (See Kugel, Marcelle, assignor.)
Metal Textile Corporation. (See Kingman, Russell B., assignor.)
Michel, Clarence B., St. Paul, Minn. Faucet. 1,556,952; Oct. 13.
Mick, Walter K., St. Paul, Minn. Cutter drill. 1,557,464; Oct. 13.
Micklethwaite, Benjamin D., Huddersfield, England. Machine for curling and/or decurling yarns. 1,557,182; Oct. 13.
Millen, James R., Flint, Mich. Child's cart. 1,557,263; Oct. 13.
Millen, James R., Flint, Mich. Child's cart. 1,557,264; Oct. 13.
Miller, Charles T., jr., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,557,076; Oct. 13.
Miller, Graeff, Ridgewood, N. J. Bottle or similar article. Des. 68,489; Oct. 13.
Miller Lock Company, The. (See Soley, Frank, assignor.)
Miller, Marcell A. (See Knepper, Arthur, assignor.)
Miller, Richard C., Winfield, Long Island, assignor of one-half to Toch Brothers, Incorporated, New York, N. Y. Disazo dye. 1,557,265; Oct. 13.
Milton Bradley Company. (See Fox, George M., assignor.)
Minor, William A., assignor to Luitwieler Pumping Engine Company, Rochester, N. Y. Packing. 1,556,623; Oct. 13.
Minter, Clarke C., New York, N. Y. Etching glass or the like. 1,556,796; Oct. 13.
Mitchell, Benjamin A., Westerleigh, N. Y. Crusher. 1,556,797; Oct. 13.
Mitchell, Benjamin A., New York, N. Y. Crusher. 1,557,307; Oct. 13.
Mitchell, Guy K., Baltimore, Md. Electromagnetic brake. 1,557,465; Oct. 13.
Mitton-Braley Aeroplane Control Company, The. (See Mitton, Robert E., assignor.)
Mitton, Robert E., assignor to The Mitton-Braley Aeroplane Control Company, Salt Lake City, Utah. Control for aeroplanes. 1,557,531; Oct. 13.
Mitton, Robert E., assignor to The Mitton-Braley Aeroplane Control Company, Salt Lake City, Utah. Automatic control for flying machines. 1,557,532; Oct. 13.
Moats, De Witt T., Indianapolis, Ind. Attaching means. 1,557,183; Oct. 13.
Modine, Arthur B., Racine, Wis. Tubular radiator core. 1,557,466; Oct. 13.
Modine, Arthur B., Racine, Wis. Radiator. 1,557,467; Oct. 13.
Moettell, Arnold, Oberwinterthur, Switzerland. Coke-cooling apparatus. 1,557,077; Oct. 13.
Monitor Controller Company. (See Whittingham, George H., assignor.)
Montanaro, John, Philadelphia, Pa. Child's road roller. 1,556,798; Oct. 13.
Montigny, Albert, Brussels, Belgium. Photographic-printing-frame easel. 1,557,468; Oct. 13.
Montoya Joaquin. (See Roble, Pedro, assignor.)
Moon, E. D. (See Forgerson, Charles, assignor.)
Moore, Harold T., Hinsdale, assignor to Tuthill Spring Company, Chicago, Ill. Spring. 1,557,308; Oct. 13.
Moore Pen Co., The. (See Liddell, John G., assignor.)
Moore, William C., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Composition adapted to generate free iodine. 1,557,266; Oct. 13.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Driving mechanism for motor vehicles. 1,556,706; Oct. 13.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,556,707; Oct. 13.
Moorshead, Thomas C., assignor of one-half to The United Glass Bottle Manufacturers Limited, Strand, London, England. Glass-melting furnace. 1,557,078; Oct. 13.
Morehouse, Charles N. (See Elder, W. J., and Morehouse.)
Morehouse, Lyman F., Montclair, N. J., assignor to American Telephone and Telegraph Company. Telephone signaling equipment. 1,557,079; Oct. 13.
Morgan, Frank S., Berkeley, Calif. Apparatus for separating fine metal particles from sand and ore pulps. 1,557,499; Oct. 13.
Morinura Bros., Inc. (See Kotato, Teiji, assignor.)
Morris, Howard I. (See Spreckels, C., and Morris.)
Morrison, Charles S. (See Ayres, E. B., and Morrison.)
Morrison, George E., Sayville, N. Y. Carburetor. 1,556,799; Oct. 13.
Moses, Richard W., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Shears. 1,556,800; Oct. 13.

Mostkoff, Morris, Brooklyn, N. Y. Safety clip for pens, pencils, and the like. 1,557,267; Oct. 13.
Motor Products Corporation (1923). (See Seeley, Halstead H., assignor.)
Motor Products Corporation (1923). (See Pritchard, William S., assignor.)
Motoren-Werke Mannheim A.-G. vorm. Benz Abt. stationärer Motorenbau. (See L'Orange, Prosper, assignor.)
Mudge & Company. (See Benning, Clyde P., assignor.)
Mueller Brothers Art and Manufacturing Company. (See Mueller, Daniel G., assignor.)
Mueller, Daniel G., assignor to Mueller Brothers Art and Manufacturing Company, Chicago, Ill. Advertising novelty. 1,556,866; Oct. 13.
Müller, Bruno, Berlin-Neukolln, Germany. Sun-drying means for vegetable material. 1,556,865; Oct. 13.
Müller, Friedrich, Vienna, Austria. Starting device for internal-combustion engines. 1,557,184; Oct. 13.
Munz, Harry L., assignor to B. H. Rehbaum and F. M. Grauer, a Partnership trading as Resolute Knitting Mills, Philadelphia, Pa. Selective-thread-feeding mechanism for circular-knitting machine. 1,556,867; Oct. 13.
Murck, Knud, et al. (See Johansen, Valdemar, assignor.)
Murdock, Henry D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Short-circuiting device. 1,557,080; Oct. 13.
Murray, John C., Lakewood, assignor to The Burdette-Murray Company, Cleveland, Ohio. Convertible roll-film camera. 1,556,868; Oct. 13.
Murray, Leonard, Footscray, near Melbourne, Victoria, Australia. Device especially applicable to agricultural machinery. 1,557,469; Oct. 13.
Murray, Robert J., assignor to Francis A. Bruner, Inc., Philadelphia, Pa. Textile fabric. Des. 68,490; Oct. 13.
Murray, Thomas E., Brooklyn, N. Y. Molding core and method. 1,556,869; Oct. 13.
Mutual Electric and Machine Company. (See Frank, Harrison J. L., assignor.)
Myers, Henry S., Van, Pa. Hoist attachment for tractor, 1,557,470; Oct. 13.
Myers, John M., Scottsville, Ky. Well-drilling machine. 1,557,185; Oct. 13.
Myers, Nora A., Forsyth, Mont. Abdominal supporter. 1,557,479; Oct. 13.
Naamlooze Vennootschap Vereenigde Kolenmaatschappij en ter Voortzetting der Steenkolenzaken Gedreven Door de N. V. Furness' Kolenmaatschappij en Hoven en Henny's Handelmaatschappij. (See Kleinbentink, Jan W., assignor.)
National Blank Book Company. (See Schade, John, assignor.)
National Carbon Company. (See Adamski, Frank A., assignor.)
National Cash Register Company, The. (See Robertson, William H., assignor.)
National Gauge & Equipment Company, The. (See Padesky, John R., assignor.)
National Glass Company, The, et al. (See Howard, Joe H., assignor.)
Nauen, Charles J., West Somerville, Mass. Loom. 1,557,315; Oct. 13.
Neeley, George S., Wood River, assignor of one-half to G. Watkins, Alton, Ill. Leather-graining machine. 1,557,186; Oct. 13.
Nelson, Harry B., Saginaw, Mich. Grinding burr. 1,556,870; Oct. 13.
Nelson, Nicholas R., East Moline, assignor to Deere & Company, Moline, Ill. Draft device. 1,557,187; Oct. 13.
Nemo Circlet Company. (See Kops, Waldemar, assignor.)
Nevius, George H., Shrewsbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Picture frame. Des. 68,491; Oct. 13.
New Way Motor Company. (See Sproat, Harry J., assignor.)
Newell, A. T. (See Allen, William S., assignor.)
Newkirk, Burt L., Minneapolis, Minn., assignor, by mesne assignments, to Precision Balancing Machine Company, Eau Claire, Wis. Process of and apparatus for balancing rotative bodies. 1,557,268; Oct. 13.
Newlands, James A., Hartford, Conn. Purifying waste waters. 1,557,188; Oct. 13.
Newton, Henry, Derby, England. Hand and rifle grenade and fuse therefor. 1,557,081; Oct. 13.
Newton, Henry, Darley, near Derby, England. Shell and bomb. 1,557,082; Oct. 13.
Nichols, Huron O., Lowell, Ind. Saw bow. 1,556,871; Oct. 13.
Nicholson, Thomas E., St. Paul, Minn. Safety device for corn shredders. 1,556,872; Oct. 13.
Nicklin, Walton E., Pryor, Okla. Pad. 1,556,873; Oct. 13.
Nicolaysen, Johan, et al. (See Frey, Ernst, assignor.)
Nikart, Joseph G., Virginia, Minn. Lunch kit. Re. 16,185; Oct. 13.
Niles-Bement-Pond Company. (See Greenleaf, G. E., Blood, and Rausch, assignors.)
Niles-Bement-Pond Company. (See Wray, Edward F assignor.)
Nobbs, George H., Watertown, Mass. Variable condenser. 1,557,316; Oct. 13.
Nolan, John R., New York, N. Y., assignor to The Diamond Match Company, Chicago, Ill. Stapling machine. 1,557,317; Oct. 13.
Nordenfelt, Per, and E. Frisk, assignors to Aktiebolaget Formator, Stockholm, Sweden. Machine for automatically applying covers on boxes or similar packings. 1,557,500; Oct. 13.
Norton, Clifford, assignor to Graham & Norton Company, New York, N. Y. Electromechanical interlock. 1,557,309; Oct. 13.
Norton, Clifford, assignor to Graham & Norton Company, New York, N. Y. Electromechanical master interlock for elevators. 1,557,310; Oct. 13.
Norviel, Harry E., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Switch. 1,557,215; Oct. 13.
Norviel, Harry E., Anderson, Ind., assignor to General Motors Corporation. Switch. 1,557,216; Oct. 13.
Novotny, Emil E., Logan, and C. J. Romieux, Philadelphia, assignors to J. S. Stokes, Huntingdon Valley, Pa. Composite body. 1,557,318; Oct. 13.
Nugent, Edwin T. (See Wheeler, J. L., and Nugent.)
Nullmeyer, Frank H., Struthers, Ohio. Reel. 1,557,319; Oct. 13.
O'Donnell, John F., Morris Run, Pa. Fuel briquette and making the same. 1,557,320; Oct. 13.
Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)
Oklahoma Engineering & Foundry Co. (See White, Henry H., assignor.)
Oliver Iron & Steel Corporation. (See Baumann, Frederick W., assignor.)
Olwovitch, Sam. (See Tow, J. Z., and Olwovitch.)
Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Jacob, Heinrich, assignor.)
Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Weidert, Franz, assignor.)
Ordway, Joseph H., Brookline, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Clutch mechanism. 1,556,874; Oct. 13.
Orion Rezkoho-Es Rézgálicgyár Részvenytársaság. (See Hocking, Henry, assignor.)
Ormsby, Donald D., Syracuse, N. Y., assignor to General Motors Corporation, Detroit, Mich. Differential carrier. 1,556,875; Oct. 13.
Ortgier, George, East St. Louis, Ill. Tide motor. 1,556,876; Oct. 13.
Osborn, Robert G., assignor to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,556,708; Oct. 13.
Osborne, Samuel S. (See Boner, C. W., and Osborne.)
Osgood, Frank H., et al. (See Frey, Ernst, assignor.)
Ostertag, George. (See Giang, John, assignor.)
Otis Elevator Company. (See Lindquist, D. L., and Lewis, assignors.)
Otis, Rolland R., Omaha, Nebr. Speedometer attachment. 1,556,801; Oct. 13.
Owl Headlight Screen Co. (See Farish, William A., assignor.)
Packard Motor Car Company. (See Church, Harold D., assignor.)
Packard Motor Car Company. (See Lipps, Evrah C., assignor.)
Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
Padesky, John R., assignor to The National Gauge & Equipment Company, La Crosse, Wis. Pressure gauge. 1,556,877; Oct. 13.
Page, Arthur A., assignor to Racine Shoe Manufacturing Company, Racine, Wis. Making plaster casts of feet. 1,556,802; Oct. 13.
Page, Chas. H., et al. (See Ryalls, John H., assignor.)
Page, Reginald J., assignor of one-half to J. Dickson and one-fourth to H. C. McElwain, Auckland, New Zealand. Domestic fire grate. 1,557,269; Oct. 13.
Parbee Manufacturing Company. (See Kruger, Charles M., assignor.)
Parke, Edward H., Findlay, Ohio. Toy. 1,557,321; Oct. 13.
Parks, Paul B., Oak Park, and J. Van Vulpen, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Heating system. 1,556,803; Oct. 13.
Parks, Paul B., Oak Park, and J. Van Vulpen, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Valve. 1,556,804; Oct. 13.
Parr, Samuel W., Urbana, Ill. Alloy. 1,556,953; Oct. 13.
Paterson, David C. (See Dunsmore, M. C., and Paterson.)
Pavenick, Abraham, New York, N. Y. Supporting frame. 1,556,624; Oct. 13.
Pavky, Stephen A., Philadelphia, Pa. Clock mechanism. 1,557,189; Oct. 13.
Pearson, Charles H. (See Bold, Frederick W., assignor.)
Peck, Earl K. (See von Glahn, E. C., and Peck.)
Peck, Peter, Nicolet, Quebec, Canada. Spectacle front frame. 1,557,322; Oct. 13.
Peckingpaugh, Ernest H., Chattanooga, Tenn. Artificial bait. 1,557,083; Oct. 13.



Peerless Manufacturing Company. (See McMinn, John E., assignor.)
Penick & Ford Ltd. Incorporated. (See Lenders, A. W. H., and Widmer, assignors.)
Perfect Gasoline Vaporizer Company, The. (See Harris, Oscar, assignor.)
Perfection Biscuit Company. (See Franke, John B., assignor.)
Perry, Charles H., Miami, Fla. Sand and gravel separator attachment for pumps. 1,557,323; Oct. 13.
Perry, Ellery, assignor of one-half to R. E. Vance, Olean, N. Y. Railway tie. 1,556,805; Oct. 13.
Pestunowitz, Samuel, Newark, N. J. Cushion tire. 1,557,324; Oct. 13.
Peterson, Philip G., St. Paul, Minn. Clothesline stretcher and reel. 1,556,806; Oct. 13.
Petty, John, Lebanon, Pa. Diagonal stay. 1,557,084; Oct. 13.
Pierce, Tobe J. (See Bare, R. H., and Pierce.)
Pierpont, Frank H., Salfords, Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Matrix-case equipment for typecasting machines. 1,556,709; Oct. 13.
Pierpont, Frank H., Salfords, Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Equipment for handling type matrices. 1,556,710; Oct. 13.
Pietrzycki, Ziegmund P., Klamath Falls, Oreg. Shelf cabinet. 1,556,711; Oct. 13.
Piller, Franz, Munich, Germany. Daylight plate changer. 1,557,085; Oct. 13.
Pinckney, William E., Portland, Oreg. Vacuum cup for washing machines. 1,557,270; Oct. 13.
Pitney, Arthur H., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Multiple die for postage meters, etc. 1,557,086; Oct. 13.
Pitney-Bowes Postage Meter Company. (See Pitney, Arthur H., assignor.)
Pittsburgh Lamp, Brass & Glass Company. (See Schueler, Frank, assignor.)
Pittsburgh Plate Glass Company. (See Brown, Christopher, assignor.)
Pittsburgh Plate Glass Company. (See Slingluff, Harry G., assignor.)
Pittsburgh Plate Glass Company. (See Soderberg, Jacob, assignor.)
Pittsburgh Transformer Company. (See Horelick, Samuel, assignor.)
Plante, Joseph A., San Pedro, Calif. Coupling and pipe packers. 1,557,480; Oct. 13.
Plum, S. H., 2d, Madison, and P. L. Sibole, Newark, N. J., assignors to Keymax Feeder Company. Gripping mechanism for printing presses. 1,557,087; Oct. 13.
Poffenberger, Clarence. (See Anderson, John W., assignor.)
Polk, Earl M. (See Ahlers, R. H., and Polk.)
Polk, Earl M., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Safety control for punch presses. 1,556,954; Oct. 13.
Pomeroy, George O., Lakewood, Ohio. Pressing machine. 1,556,625; Oct. 13.
Ponsler, Roscoe, assignor of one-fourth to B. E. Allison, Tulsa, Okla. Portable gas tester for the determination of gasoline content of natural gas. 1,556,712; Oct. 13.
Pope, John J., Brooklyn, N. Y. Burglar alarm. 1,556,626; Oct. 13.
Porsche, Ferdinand, assignor to the Firm Daimler-Motoren-Gesellschaft, Stuttgart-Unterturkheim, Germany. Steering-wheel brake mechanism for motor vehicles. 1,557,325; Oct. 13.
Powell, Fred J., Jerome, Ariz. Pneumatic motor. 1,557,326; Oct. 13.
Powell, James L., Pictou Landing, Nova Scotia, Canada. Springless automatic sash lock. 1,557,327; Oct. 13.
Powers, Fred, et al. (See Tolland, John W., assignor.)
Pratt & Whitney Company. (See Buckingham, Earle, assignor.)
Pratt & Whitney Company. (See La Ducer, Jerry J., assignor.)
Pratt & Whitney Company. (See Scott, Howard B., assignor.)
Precision Balancing Machine Company. (See Newkirk, Burt L., assignor.)
Pressed Steel Car Company. (See Blest, Minot C., assignor.)
Preston, George E. (See Colbert, C. C., and Preston.)
Price, Joseph M. (See Dolan, Frank J., assignor.)
Prichard, George E., Elizabeth City, N. C. Adjustable sprocket wheel. 1,556,878; Oct. 13.
Pritchard, William S., assignor to Motor Products Corporation (1923), Detroit, Mich. Forming tubing and apparatus therefor. 1,556,627; Oct. 13.
Proctor & Schwartz, Incorporated. (See Ayres, E. B. and Morrison, assignors.)
Proctor & Schwartz, Incorporated. (See Kershaw, F., and Hunxthal, assignors.)
Provident Machine Company. (See Lewis, James R., assignor.)
Pullen, Myrick W., Baltimore, Md. Changeable exhibitor. 1,556,713; Oct. 13.
Purwin, Klemens. (See Stoney, J. T., and Purwin.)
Racine Shoe Manufacturing Company. (See Page, Arthur A., assignor.)
Ramsdell, Alvah T., Dover, N. H. Fruit picker. 1,556,628; Oct. 13.
Randolph, Tom L., et al. (See Ayers, William C., assignor.)
Rausch, Roswell H. (See Greenleaf, G. E., Blood, and Rausch.)
Raybestos Company, The. (See Kelley, Edward F., assignor.)
Read, Ernest K., Wilkinsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Change-over switch. 1,557,088; Oct. 13.
Reaney, Russell J., Ottawa, Ontario, Canada, Traction mat. 1,556,629; Oct. 13.
Reasoner, James A., Athens, Ohio. Attachment for internal-combustion engines. 1,557,089; Oct. 13.
Rebstock, August J., assignor to The Rebstock Company, St. Louis, Mo. Conveyer. 1,556,955; Oct. 13.
Rebstock Company, The. (See Rebstock, August J., assignor.)
Reece Button Hole Machine Company, The. (See Reece, Franklin A., assignor.)
Reece, Franklin A., Chestnut Hill, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread-trimming device for buttonhole-sewing machines. 1,556,630; Oct. 13.
Reel, Ralph M., Cuyahoga Falls, assignor to Marathon Rubber Company, Inc., Akron, Ohio. Washboards. 1,557,533; Oct. 13.
Rees, Herbert C., San Antonio, Tex. Optical instrument. 1,557,328; Oct. 13.
Rehbaum, B. H., et al. (See Munz, Harry L., assignor.)
Reid, George W., Lawrence, and A. Durand, Methuen, assignors to Draper Corporation, Hopedale, Mass. Warp stop mechanism for looms. 1,556,807; Oct. 13.
Reid, William J., Wattis, Utah. Dusting coal mines. 1,556,879; Oct. 13.
Remington Arms Company. (See Hawley, Amos H., assignor.)
Resolute Knitting Mills. (See Munz, Harry L.)
Respess, Roland B., New York, N. Y., assignor by mesne assignments, to Respro Inc., Cranston, R. I. Cord-tire fabric and making the same. 1,557,329; Oct. 13.
Respro Inc. (See Respess, Roland B., assignor.)
Reuter, Irving J., assignor to General Motors Corporation, Anderson, Ind. Ignition coil. 1,557,501; Oct. 13.
Reynolds, Damian L., assignor of one-half to L. L. Yates, San Francisco, Calif. Refrigerator car. 1,557,190; Oct. 13.
Reynolds, Joseph B., Croton Falls, N. Y. Fluid braking apparatus. 1,557,330; Oct. 13.
Reynolds, Sven, Providence, R. I. Switch. 1,557,331; Oct. 13.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Shuttle-Feeler thread cutter. 1,556,808; Oct. 13.
Richardson Company, The. (See Lukens, Alan R., assignor.)
Ricker, Jerry, Enterprise, Oreg. Saw swage. 1,557,090; Oct. 13.
Ridgely, Richard V., Cumberland, Md. Composition for preventing accumulation of moisture. 1,556,714; Oct. 13.
Riggs, William M., Willcox, Ariz. Windmill. 1,556,715; Oct. 13.
Riley, Robert S., assignor to Sanford Riley Stoker Company, Worcester, Mass. Stoker-driving mechanism. 1,557,091; Oct. 13.
Rim, A., jr. (See Kerr, Alexander, assignor.)
Ringler, William A., Philadelphia, Pa., assignor to Globe Wernicke Co., Cincinnati, Ohio. Visible-card system. 1,557,217; Oct. 13.
Ritchie, William, Port Orchard, Wash. Valve-grinding outfit. 1,556,956; Oct. 13.
Rittenhouse, Charles, jr., Cincinnati, Ohio. Carrier device for suitcases, valises, and the like. 1,557,271; Oct. 13.
Riverview Park Company. (See Wolkenhauer, Gustav, assignor.)
Robbins, Harold V., assignor to H. B. Kruger, New York, N. Y. Display device. 1,557,332; Oct. 13.
Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,556,957; Oct. 13.
Robichaud, Eutrop, Chatham, New Brunswick, Canada. Doorknob. 1,556,716; Oct. 13.
Robinson, Charles J., assignor to T. Robinson & Son Limited, Rochdale, England. Machine for removing dust and particles from grain or granular substances. 1,557,333; Oct. 13.
Robinson, James K., Jacksonville, Fla. Universal-ball joint. 1,556,719; Oct. 13.
Robinson, Thomas, & Son Limited. (See Robinson, Charles J., assignor.)
Robinson, Zephaniah, Mineral Wells, assignor to Steer Ezy Snubber Company, Dallas, Tex. Snubber for vehicles. 1,556,717; Oct. 13.
Robison, Blanche L., Topeka, Kans. Marcel waver. 1,556,958; Oct. 13.
Roble, Pedro, assignor of twenty-five per cent to J. Montoya, New York, N. Y. Motion-picture projecting machine. 1,557,334; Oct. 13.
Rock, Arthur J. (See Rock, Frederick L. and A. J.)
Rock, Frederick L. and A. J., Burlington, Vt. Automobile signal. 1,557,335; Oct. 13.

Rockwell, Willard F., Oshkosh, Wis. Railway truck. 1,557,336; Oct. 13.
Rodger Ballast Car Company. (See Hoscelt, W. J., and Hindahl assignors.)
Rodman, Clarence J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Deoxygenation of inclosed atmosphere. 1,557,092; Oct. 13.
Roebling's, John A., Sons Company. (See Horn, Harold J., assignor.)
Roeder, Arthur, Benton Harbor, Mich. Air cooler for motors. 1,557,337; Oct. 13.
Roesch, Alfred, assignor to C. J. Tagliabue Manufacturing Company, Brooklyn, N. Y. Controlling device. 1,557,093; Oct 13.
Romieux, Charles J. (See Novotny, E. E., and Romieux.)
Ronk, George T., Fairfield, Iowa. Scraper. 1,556,959; Oct. 13.
Ronk, George T., Leon, Iowa. Excavating machine. 1,556,960; Oct. 13.
Ronning, Adolph. (See Ronning, Andrean G. and A.)
Ronning, Andrean G. and A., Minneapolis, Minn. Pneumatic conveyor. 1,556,718; Oct. 13.
Rorres, John D., Chicago, Ill. Cap. Des. 68,492; Oct. 13.
Rosback, F. P., Company. (See Rosback, Frederick P., assignor.)
Rosback, Frederick P., assignor to F. P. Rosback Company, Benton Harbor, Mich. Printing press. 1,556,961; Oct. 13.
Rose, Edward E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator connecter. 1,557,094; Oct. 13.
Rosenbaum, Alvin H. (See Tolk, G., and Rosenbaum.)
Rosenhagen, Victor, assignor to The Hyrdo High Vacuum Pump Company, Bellevue, Ky. Vacuum pump. 1,556,631; Oct. 13.
Rouleau, Wilfred J., Quincy, Mass. Mixing valve. 1,556,632; Oct. 13.
Royal, Joseph N., Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Making hollow articles. 1,557,218; Oct. 13.
Royer, Eugène, assignor to Societe Anonyme des Chalumeaux E. Royer, Lyon, France. Oxyacetylene or like blowpipe. 1,556,880; Oct. 13.
Ruben, Samuel, New York, N. Y. Electrical control method. 1,556,633; Oct. 13.
Ruberoid Company, The. (See Abraham, Herbert, assignor.)
Rumberger, George F., Dubois, Pa. Watch-holding device. 1,556,963; Oct. 13.
Runkel, Roland, Rottenburg-on-the-Neckar, Germany. Producing half stuffs and cellulose. 1,557,338; Oct. 13.
Russell, Leslie A., Chicago, Ill., assignor, by mesne assignments, to F. C. Austin Machinery Company. Clutch mechanism. 1,556,962; Oct. 13.
Rutledge, Edward B., Smithfield, Nebr. Rail brace. 1,557,095; Oct. 13.
Rutledge, William T., Santa Ana, Calif. Hose clamp. 1,557,111; Oct. 13.
Ryalls, John H., assignor of one-third to L. G. Hoxton and one-third to C. H. Page, Charlottesville, Va. Piston construction. 1,556,634; Oct. 13.
Ryan, Frank W., San Diego, Calif. Shock absorber for vehicle springs. 1,557,096; Oct. 13.
Ryan, Walter D'A., Schenectady, N. Y. Vehicle lamp. Re16,186; Oct. 13.
Ryer, Elmer L. (See Clement, H., and Ryer.)
Ryon, Bertha J., administratrix. (See Ryon, Robert W.)
Ryon, Robert W., deceased, by B. J. Ryon, administratrix, Manchester, Kans. Poultry fountain. 1,557,502; Oct. 13.
Rypinski, Maurice C., Yonkers, N. Y. Radioreproducer. Des. 68,493; Oct. 13.
Sabel, John C., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 1,557,503; Oct. 13.
Sächsisches Serumwerk Aktiengesellschaft. (See Gaietzka, Ambros, assignor.)
Sager, Edward R., Seattle, Wash. Duplex headlight. 1,557,097; Oct. 13.
Sander, John R., Harriman, Tenn. Pistol-holding device. 1,557,339; Oct. 13.
Sandmann, Benno, New Orleans, La. Settling and separating apparatus. 1,557,340; Oct. 13.
Saner, Curtis C., Houston, Tex. Adjustable form for concrete structures. 1,556,720; Oct. 13.
Sanford Riley Stoker Company. (See Riley, Robert S., assignor.)
Satterlee, Percy, Detroit, Mich. Metallic clip. 1,556,635; Oct. 13.
Saxton, Augustus C. (See Hill, G. S., and Saxton.)
Scalbom, Oscar L., Glenview, Ill. Compression gauge. 1,557,341; Oct. 13.
Scarborough, Samuel N., Henderson, Tex. Peanut sheller. 1,557,098; Oct. 13.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees, F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Book cover. 1,556,721; Oct. 13.
Schaefer, Albert H., Columbus, Ind. Valve-seating machine. 1,557,272; Oct. 13.
Scherbius, Arthur, assignor to the Firm Gewerkschaft Securitas, Berlin, Germany. Electric ciphering apparatus. 1,556,964; Oct. 13.
Schlamp, Philip M., Henderson, Ky. Convertible furniture. 1,557,342; Oct. 13.
Schneible Claude D., et al., trustees. (See Schneible, Joseph, assignor.)
Schneible, Joseph, deceased, Chicago, Ill.; B. S. Ingram, administratrix, assignor to C. D. Schneible, K. F. Schreier, and B. B. Schneider as trustees under the name of The Schneible Trust. Distillation apparatus. 1,57,112; Oct. 13.
Schneider, Benjamin B., et al., trustee. (See Schneible, Joseph, assignor.)
Schneider, Michael J. N., Milwaukee, Wis. Flashing. 1,557,481; Oct. 13.
Schoning, Ake E., Woodhaven, N. Y. Smoker's-pipe windshield. 1,557,482; Oct. 13.
Schreier, K. F., et al., trustee. (See Schneible, Joseph, assignor.)
Schroder, Adelaide F. (See Beville, A. S., and Schroder.)
Schueler, Frank, Yonkers, N. Y., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Lamp standard. Des. 68,494; Oct. 13.
Schuetz, Kuno E., Geyserville, Calif. Traction wheel. 1,557,343; Oct. 13.
Schuh, Otto H., Indianapolis, Ind. Radiator-transporting truck. 1,557,344; Oct. 13.
Schulze, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Shaft and detachable gear. 1,557,099; Oct. 13.
Schumacher, Julius, West Hoboken, N. J. Pile cutter. 1,557,345; Oct. 13.
Schurman, Edward, assignor to Seneca Textile Corporation, New York, N. Y. Textile fabric. Des. 68,495; Oct. 13.
Schurman, Edward, assignor to Seneca Textile Corporation, New York, N. Y. Textile fabric. Des. 68,496; Oct. 13.
Schurman, Edward, assignor to Seneca Textile Corporation, New York, N. Y. Textile fabric. Des. 68,497; Oct. 13.
Schurman, Edward, assignor to Seneca Textile Corporation, New York, N. Y. Textile fabric. Des. 68,498; Oct. 13.
Schurman, Edward, assignor to Seneca Textile Corporation, New York, N. Y. Textile fabric. Des. 68,499; Oct. 13.
Schuttler, Hieronymus P., Charlottenburg, Germany. Two-stroke-cycle internal-combustion engine. 1,556,637; Oct. 13.
Schulz, Richard, Danville, Ill. Luminous sign character. 1,556,636; Oct. 13.
Schulze Dyeing Company. (See Bellemere, Stanley L., assignor.)
Schwanhausser, Frederick, assignor to R. Wood, New York, N. Y. Sensitized element and mounting therefor. 1,557,346; Oct. 13.
Scott, Howard B., Dayton, Ohio, assignor, by mesne assignments, to Pratt & Whitney Company, Hartford, Conn. Profiling machine. 1,556,722; Oct. 13.
Scranton, Henry O., Jeanerette, La. Cane-stripping machine. 1,557,113; Oct. 13.
Scuholm, Ernest W., Highland Park, assignor to General Motors Corporation of Detroit, Mich. Combined lamp-supporting and fender-tie-rod mechanism. 1,556,881; Oct. 13.
Secrist, Joseph, Winona, W. Va. Powder-dispensing device. 1,557,273; Oct. 13.
Seeley, Fayette M., assignor to Ideal Engine Company, Lansing, Mich. Tractor lawn mower. 1,556,965; Oct. 13.
Seeley, Halstead H., Ann Arbor, assignor to Motor Products Corporation (1923), Detroit, Mich. Motor-vehicle top. 1,556,638; Oct. 13.
Seitman, Israel. (See Weintraub, H., and Seitman.)
Selig, Frank, Cleveland, Ohio. Protective tip. 1,556,966; Oct. 13.
Seneca Textile Corporation. (See Schurman, Edward, assignor.)
Sergardi, Fabio, assignor to General Motors Research Corporation, Dayton, Ohio. Spring shackel. 1,557,219; Oct. 13.
Shaffer, Alfred H., Riverside, assignor to The Allbright Nell Company, Chicago, Ill. Conveyer system. 1,556,723; Oct. 13.
Shaffer, Alfred R., Riverside, assignor to The Allbright Nell Company, Chicago, Ill. Spacing device for conveyer systems. 1,556,724; Oct. 13.
Shallcross, Dewees H., Clarendon, Va. Support for radioantennæ. 1,556,725; Oct. 13.
Sheard, Charles, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass. Trial frame. 1,557,347; Oct. 13.
Sheer, Henry M., assignor to H. M. Sheer Company, Quincy, Ill. Thermostatic control for valves. 1,556,639; Oct. 13.
Sheer, H. M., Company. (See Sheer, Henry M., assignor.)
Shields, Frank W., assignor to Valley Fruit Company Incorporated, Walla Walla, Wash. Produce cleaning, distributing, sorting, and packing machine. 1,557,100; Oct. 13.



Shotton, John C., Lakewood, Ohio. Soldering compound. 1,557,348; Oct. 13.
Sibole, Percy L. (See Plum, S. H., 2d, and Sibole.)
Sichert, Josef, Rogaska-Slatina, Yugoslavia. Process and means for preventing the formation of hard scales in boilers and for removing scales already existing. 1,557,349; Oct. 13.
Siemens Brothers & Company. (See Christian, David A., assignor.)
Siemens & Halske, Aktiengesellschaft. (See Gerlach, Erwin, assignor.)
Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Kändler, Hermann, assignor.)
Siggelkow, John, New Castle, N. Y. Garter. 1,556,967; Oct. 13.
Signal Gesellschaft m. b. H. (See Habnemann, Walter, assignor.)
Silver, Clarence E., Blackwell, Okla. Circuit controlling and interrupting apparatus. 1,556,640; Oct. 13.
Silverman, Benjamin. (See Earp, Jhue R., assignor.)
Sindt, Andrew D., New York, N. Y. Burglar alarm. 1,557,373; Oct. 13.
Siskin, Harry, Los Angeles, Calif. Upholstery edge. 1,557,483; Oct. 13.
Skolnik, Annie. (See Skolnik, Max, assignor.)
Skolnik, Max, assignor to A. Skolnik, Minneapolis, Minn. Plastic composition. 1,556,641; Oct. 13.
Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sound-wave translating device. 1,557,101; Oct. 13.
Slingluff, Harry G., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Glass-drawing apparatus. 1,556,726; Oct. 13.
Smidth, F. L., & Co. (See Vogel-Jörgensen, Mikael, assignor.)
Smith, Arthur B., Evanston, assignor to Automatic Electric Company, Chicago, Ill. Traffic recorder for telephone systems. 1,556,727; Oct. 13.
Smith, Charlie J., McKinney, Tex. Cotton chopper. 1,557,102; Oct. 13.
Smith, Clarence E., and N. M. Buckingham, Wabash, Ind., assignors of one-third to A. H. Landwehr, Holland, Mich. Brick. 1,557,274; Oct. 13.
Smith, Henry M., Paterson, N. J. Traveling apron. 1,556,728; Oct. 13.
Smith, Joseph A., Hornell, N. Y. Flux. 1,556,968; Oct. 13.
Smith, Louis E., Cleveland, Ohio. Portable grinding machine. 1,557,114; Oct. 13.
Smith, Sidney S., Grand Rapids, Mich. Adjustable mouthpiece. 1,556,729; Oct. 13.
Smith, William H., Dearborn, assignor to Ford Motor Company, Detroit, Mich. Casting malleable castings. 1,556,642; Oct. 13.
Smith, Willis B., Burkburnett, Tex. Oil separator. 1,557,103; Oct. 13.
Societe Anonyme des Chalumeaux E. Royer. (See Royer, Eugène, assignor.)
Soderberg, Jacob, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Grinding apparatus for plate glass. 1,556,730; Oct. 13.
Solar-Sturges Mfg. Co. (See Walker, James P., assignor.)
Soley, Frank, assignor to The Miller Lock Company, Philadelphia, Pa. Latch. 1,557,374; Oct. 13.
Sommer, Leo, St. Lin, Quebec, Canada. Water-pan alarm. 1,556,731; Oct. 13.
Spiegel, May, Stern Co. (See Gollnick, P. A., and Toolan, assignors.)
Spilsbury, Hugh G. (See Gross, Wilhelm L., assignor.)
Spraggins, Oak B., Haleyville, Ala. Farm machine. 1,556,643; Oct. 13.
Sprecklels, Claus, San Diego, and H. I. Morris, Los Angeles, Calif.; said Morris assignor to said Sprecklels. Tire-making machine. 1,556,969; Oct. 13.
Sprenger, Emile, Goldach, Switzerland. Method and apparatus for mixing and working up granular and pulverulent material. 1,557,275; Oct. 13.
Sproat, Harry J., assignor to New Way Motor Company, Lansing, Mich. Lubricator means for crank shafts in internal-combustion engines. 1,556,970; Oct. 13.
Standard Steel Car Company. (See Christianson, A., and Anderson, assignors.)
Standish, Edward K., Stoughton, Mass. Transmission mechanism. 1,556,971; Oct. 13.
Starr, Frank F., assignor to Delco-Light Company, Dayton, Ohio. Mixture-heating device for internal-combustion engines. 1,557,220; Oct. 13.
Stebbings, Eugene, Des Moines, Iowa. Hat fan. 1,557,276; Oct. 13.
Stebler, Fred, assignor to Stebler-Parker Co., Riverside, Calif. Box-dumping machine. 1,557,350; Oct. 13.
Stebler-Parker Co. (See Stebler, Fred, assignor.)
Steer Ezy Snubber Company. (See Robinson, Zephaniah, assignor.)
Stern, Paul, Pawtucket, R. I. Sun shield. 1,557,375; Oct. 13.
Sterrick, Harrison D., Pittsburgh, Pa. Hose and filter holder for draw-off devices. 1,556,732; Oct. 13.
Stevens, Frank E., assignor to The Lattimer-Stevens Company, Columbus, Ohio. Hanger structure for meters. 1,557,376; Oct. 13.
Stevens, Harry P., and W. S. Horton, New York, N. Y. Automatic clutch. 1,556,972; Oct. 13.
Stevens, Leslie, Glen Ridge, N. J. Loud-speaker. Des. 68,500; Oct. 13.
Stevenson, John F., Belfast, Ireland. Jacking up of motor vehicles. 1,557,115; Oct. 13.
Stewart-Warner Speedometer Corporation. (See Feely, Frank J., assignor.)
Stewart-Warner Speedometer Corporation. (See Schulze, William H., assignor.)
Stichler, Charles, Philadelphia, Pa. Plumber's furnace. 1,556,644; Oct. 13.
Stocking, Ernest J. (See Bade, J. H., and Kittle, assignors.)
Stoffer, Frank, Fenelton, Pa. Controlling device of hydraulic rams. 1,557,377; Oct. 13.
Stokes, John S. (See Novotny, E. E., and Romieux, assignors.)
Stone, Melvin L., Lawrence, assignor to Draper Corporation, Hopedale, Mass. Warp-stop mechanism for looms. 1,556,809; Oct. 13.
Stoney Foundry Engineering and Equipment Co., The. (See Stoney, J. T., and Purwin, assignors.)
Stoney, John R., Ouachita, La. Reflector. 1,557,277; Oct. 13.
Stoney, John T., Lakewood, and K. Purwin, assignors to The Stoney Foundry Engineering and Equipment Co., Cleveland, Ohio. Vibrating objects. 1,556,645; Oct. 13.
Storey, William H., Leicester, England. Type-composing stick. 1,556,646; Oct. 13.
Stout, Elmer H. (See Fulper, John W., assignor.)
Stowers, Ethel M., Chicago, Ill. Corset. 1,557,378; Oct. 13.
Strauss, Ferdinand, New York, N. Y. Mechanical toy. 1,556,647; Oct. 13.
Strode, O. C. (See Estes, George L., assignor.)
Sudekum, William, Nashville, Tenn. Piston ring. 1,557,379; Oct. 13.
Sueloff, Samuel, and W. W. Gleason; said Gleason assignor, by mesne assignments, to A. F. McKeown, jr., Chicago, Ill. Spring-cushion construction. 1,557,380; Oct. 13.
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sullivan Machinery Company. (See Wyman, Charles W., assignor.)
Sullivan Machinery Corporation. (See Wyman, Charles W., assignor.)
Sulzberger, Nathan, New York, N. Y. Asbestos composition. 1,556,973; Oct. 13.
Sundback, Gideon, Meadville, Pa., assignor to Hookless Fastener Company. Fastener. 1,557,381; Oct. 13.
Sundback, Gideon, Meadville, Pa., assignor to Hookless Fastener Company. Multiple-slide closure. 1,557,382; Oct. 13.
Suter, John H., Los Angeles, Calif. Hydraulically-operated deep-well pump. 1,557,116; Oct. 13.
Sutton, Jesse, Silver Creek, Miss. Harrow. 1,557,383; Oct. 13.
Swab, Jay G., assignor to H. Trenchard, jr., Brooklyn, N. Y. Gumming machine. 1,557,534; Oct. 13.
Sweeney, Orland R., Ames, Iowa, assignor to Ward-Love Pump Corporation, Rockford, Ill. Base-exchange water softener. 1,557,117; Oct. 13.
Symington Company, The. (See Kadel, Byers W., assignor.)
Symms, Charles D., assignor to M. L. Symms, Sioux Falls, S. Dak. Light-absorbing filter for automobiles. 1,556,648; Oct. 13.
Symms, Mabel L. (See Symms, Charles D., assignor.)
Tagliabue, Charles J. Manufacturing Company. (See Roesch, Alfred, assignor.)
Talbot, William P., Millbrook, N. Y. Shade bracket. 1,556,783; Oct. 13.
Talty, John A., et al. (See Tolland, John W., assignor.)
Tanke, Emil, Falkenhagen b/Seegefeld Kreis Osthavelland, Germany, assignor to Automatic Electric Company, Chicago, Ill. Impulse transmitter of the dial type. 1,556,974; Oct. 13.
Tanner, Wellington Lee, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Manufacture of diphenylamine chlorarsine. 1,557,384; Oct. 13.
Tastenhoye, Wynant, Menin, Belgium. Vehicle jack. 1,557,385; Oct. 13.
Tawka Toy Co. (See Cohn, Irwin E., assignor.)
Taylor, John M. (See McIntosh, J., and Taylor.)
Taylor, William J., Detroit, Mich. Refrigeration. 1,556,734; Oct. 13.
Tempest, Richard S., Mount Pleasant, Pa. Ventilator. 1,556,975; Oct. 13.
Thackeray, Norman C., assignor to Imperial Printing & Finishing Co., Pawtucket, R. I. Fabric-printing machine. 1,556,976; Oct. 13.
Thelin, Erick B., et al. (See Le Beau, Fernando J., assignor.)
Thelin, Titus L., et al. (See Le Beau, Fernando J., assignor.)
Thévenot, Gaston D., New York, N. Y. Preparation of a vegetable milk. 1,556,977; Oct. 13.
Thomas, George J., South Bend, Ind., assignor to The Bendix Corporation, Chicago, Ill. Brake-operating mechanism. 1,556,978; Oct. 13.
Thomson, Judson L. (See Havener, Arthur R., assignor.)

Thornton, Frank, jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistor mounting for electric furnaces. 1,557,104; Oct. 13.

Thornton, Frank, jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Connecting-plug remover. 1,557,105; Oct. 13.

Thuras, Albert L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,557,386; Oct. 13.

Thwing, Charles B., assignor to Thwing Instrument Company, Philadelphia, Pa. Electric temperature control. 1,557,387; Oct. 13.

Thwing Instrument Company. (See Thwing, Charles B., assignor.)

Tiffany Adjustable Stand Company. (See Tiffany, Hiero G., assignor.)

Tiffany, Hiero G., assignor to Tiffany Adjustable Stand Company, St. Louis, Mo. Adjustable stand. 1,556,735; Oct. 13.

Tilden, Edward B., New Orleans, La. Antiglare device. 1,557,388; Oct. 13.

Toch Brothers, Incorporated. (See Miller, Richard C., assignor.)

Todd, Elbert N., Crisfield, Md. Ascertaining elevations of aircrafts. 1,557,389; Oct. 13.

Toledo Scale Company. (See Hem, Halvor O., assignor.)

Tolk, George, and A. H. Rosenbaum, Brooklyn, N. Y.; said Rosenbaum assignor to said Tolk. Drain valve for oil receptacles. 1,557,390; Oct. 13.

Tolland, John W., assignor of forty-five one-hundredths to J. A. Talty, St. Louis, Mo., and one-fourth to F. Powers, Norman, Okla. Hot-air heater. 1,557,118; Oct. 13.

Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Expansion shield. 1,557,119; Oct. 13.

Tomlinson, John K., Chicago, Ill. Heating device. 1,557,484; Oct. 13.

Toolan, John J. (See Golinick, P. A., and Toolan.)

Topping, John A., Nyack, N. Y. Shingle gauge and clamp. 1,556,649; Oct. 13.

Tow, John Z., and S. Olwovitch, Springfield, Tenn. Plant duster. 1,557,106; Oct. 13.

Trenchard, Henry, jr. (See Swab, Jay G., assignor.)

Trent Process Corporation. (See Trent, Walter E., assignor.)

Trent, Walter E., assignor to Trent Process Corporation, Washington, D. C. Process of reducing ores. 1,557,107; Oct. 13.

Tucker, Henry T., Fort Smith, Ark. Folding chair. 1,557,108; Oct. 13.

Tully, George L., assignor to American Optical Company, Southbridge, Mass. Spectacle temple. 1,557,120; Oct. 13.

Turner, Alfred S., Bladen, Nebr. Making glass cloth and article manufactured thereby. 1,557,485; Oct. 13.

Turner, Charles P., Steelton, Pa. Mechanism for operating the reversing valves of regenerative furnaces. 1,556,810; Oct. 13.

Turner, Charles P., Steelton, Pa. Valve-operating mechanism for regenerative furnaces. 1,556,811; Oct. 13.

Tussing, Samuel C., Findlay, Ohio. Ladder jack. 1,557,278; Oct. 13.

Tuthill Spring Company. (See Moore, Harold T., assignor.)

Underwood Typewriter Company. (See Miller, Charles T., jr., assignor.)

Union Special Machine Company. (See Berger, Joseph, assignor.)

United Engineering & Foundry Company. (See Moses, Richard W., assignor.)

United Glass Bottle Manufacturers Limited, The. (See Moorshead, Thomas C., assignor.)

United Metal Box Company. (See Hammer, Samuel, assignor.)

United Shoe Machinery Corporation. (See Ordway, Joseph H., assignor.)

United States Fastener Company. (See Wiehn, Jacob, assignor.)

United States Hoffman Machinery Corporation. (See Marshall, William C., assignor.)

U. S. Industrial Alcohol Co. (See Cochrane, William F., assignor.)

U. S. Industrial Alcohol Co. (See Graham, Walter F., assignor.)

U. S. Industrial Alcohol Co. (See Moore, William C., assignor.)

Uschman, William F., Atlanta, Ga. Faucet. 1,556,979; Oct. 13.

Valentine, James E., Egan, S. Dak. Belt tightener. 1,557,486; Oct. 13.

Valley Fruit Company. (See Shields, Frank W., assignor.)

Vallos, Harry, Detroit, Mich. Paper hanger. 1,557,487; Oct. 13.

Vance, Roy E. (See Perry, Ellery, assignor.)

Vandeberg, Teddie C., Epping, N. Dak. Disk harrow. 1,557,109; Oct. 13.

Van Degrift, Thomas C. (See Lee, C. L., and Van Degrift.)

Van der Sterr, Petrus K., Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Arrangement for the protection of substations. 1,557,110; Oct. 13.

Van Rennes, Cornelis, assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,557,221; Oct. 13.

Van Sant, Leport R., Peoria, Ill. Method and apparatus for controlling the siphon in liquid-fuel-burning systems. 1,557,488; Oct. 13.

Van Valkenburgh, Richard M., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf binder. 1,557,279; Oct. 13.

Van Vulpen, John. (See Parks, P. B., and Van Vulpen.)

Vapor Car Heating Company. (See Parks, P. B., and Van Vulpen, assignors.)

Verbeyst, Martin, Park Ridge, N. J. Amusement game. 1,557,489; Oct. 13.

Vial, Frederick K. (See Wickland, A. A., and Vial.)

Vial, Frederick K., La Grange, assignor to Griffin Wheel Company, Chicago, Ill. Molding machine. 1,556,980; Oct. 13.

Videtta, John, Weehawken, N. J. Folding ladder. 1,557,490; Oct. 13.

Vogel-Jörgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Rotary kiln. 1,557,475; Oct. 13.

Vogel, Max, Franfort-on-the-Main, Germany. Staple package. 1,557,121; Oct. 13.

Voigt, Ottomar, Dusseldorf, Germany. Device for closing preserve jars. 1,556,981; Oct. 13.

Voience, Anthony, Browerville, Minn. Inner tube. 1,557,122; Oct. 13.

Vollmar, Alfred P., Forest Hills, assignor to The Paul Wissmach Glass Co., Inc., Long Island City, N. Y. Apparatus for molding glass. 1,557,504; Oct. 13.

Von Glahn, Elmer C., and E. K. Peck, Corcoran, Calif. Toy vehicle. Des. 68,501; Oct. 13.

Vreeland, George W., Steubenville, Ohio. Handling flue dust. 1,557,123; Oct. 13.

Vulcanized Rubber Company, The. (See Little, John L., assignor.)

Wadsworth, Dwight W., Fennville, Mich. Sorting machine. 1,557,505; Oct. 13.

Wagner Electric Corporation. (See Weichsel, Hans, assignor.)

Walker, Harry M., New Orleans, La. Check-controlled mechanism. 1,556,650; Oct. 13.

Walker, James P., Chicago, Ill., assignor to Solar-Sturges Mfg. Co. Making metal containers. 1,556,651; Oct. 13.

Walker, Lewis, jr. (See Delamater, V. M., and Walker, jr.)

Walker, William, and Sons Limited. (See Blockey, John R., assignor.)

Walthers, Robert L., Tomahawk, Wis. Bouquet stay. 1,557,506; Oct. 13.

Ward, Dan N. (See Langley, G. W., and Howell, assignors.)

Ward-Love Pump Corporation. (See Sweeney, Orland R., assignor.)

Warlick, Carl M. (See King, C. A., and Warlick.)

Warner, Chester E., Berwyn, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Pull-switch socket. 1,556,652; Oct. 13.

Warner, Clarence. (See Buvinger, G. A., and Warner.)

Warner, Clarence, assignor to Delco-Light Company, Dayton, Ohio. Pumping apparatus. 1,557,222; Oct. 13.

Warner, Clarence, assignor to Delco-Light Company, Dayton, Ohio. Pumping apparatus. 1,557,223; Oct. 13.

Warner, Clarence, assignor to Delco-Light Company, Dayton, Ohio. Pumping apparatus. 1,557,224; Oct. 13.

Watkins, Griffin. (See Neeley, George S., assignor.)

Watson, Charles H., New York, N. Y. Hat conformator. 1,557,280; Oct. 13.

Watson, Neill A., Raeford, N. C. Apparatus for filling and mounding graves. 1,557,507; Oct. 13.

Watson, Wilbur J., East Cleveland, assignor of one-half to E. M. Graves, Cleveland, Ohio. Bulkhead construction. 1,556,653; Oct. 13.

Weaver, Gallard E., assignor to Weaver Manufacturing Company, Springfield, Ill. Axle stand. 1,556,882; Oct. 13.

Weaver Manufacturing Company. (See Weaver, Gallard E., assignor.)

Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating-current motor. 1,557,124; Oct. 13.

Weidert, Franz, Zehlendorff, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Softening the contours of the images of photographic objectives. 1,556,982; Oct. 13.

Weintraub, Harry, and I. Seltman, New York, N. Y. Sewing-machine guard. 1,556,983; Oct. 13.

Weiss, Emil, and F. Hnilo, Chicago, Ill. Electrically-heated funnel. 1,557,508; Oct. 13.

Wentzel, George W., Los Angeles, Calif. Sanitary tee. 1,557,509; Oct. 13.





Wertz, Austin L., Philadelphia, Pa. Tank-vehicle construction. 1,556,883; Oct. 13.

West, Hazael E., Washington, D. C. Typewriter attachment. 1,557,510; Oct. 13.

West, Oscar M., et al. (See Delegard, C. J., and Hawkinson, assignors.)

Western Electric Company. (See Clokey, Allison A., assignor.)

Western Electric Company. (See Thuras, Albert L., assignor.)

Westinghouse Air Brake Company, The. (See Bartholomew, John R., assignor.)

Westinghouse Air Brake Company, The. (See Lane, George S., assignor.)

Westinghouse Electric & Manufacturing Company. (See Andersen, Niels K., assignor.)

Westinghouse Electric & Manufacturing Company. (See Ansingh, Herman K., assignor.)

Westinghouse Electric & Manufacturing Company. (See Austin, Walter M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Bethel, Claude, assignor.)

Westinghouse Electric & Manufacturing Company. (See Biebel, Herman M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Brackett, Quincy A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Brown, John L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Cardee, Andrew H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Chubbuck, Leonard B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Colby, O. A., and Aalborg, assignors.)

Westinghouse Electric & Manufacturing Company. (See Colby, Ora A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Himes, Walter H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)

Westinghouse Electric & Manufacturing Company. (See Keene, Alvin D., assignor.)

Westinghouse Electric & Manufacturing Company. (See King, George E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Krantz, Hubert K., assignor.)

Westinghouse Electric & Manufacturing Company. (See Kühn, Ludwig, assignor.)

Westinghouse Electric & Manufacturing Company. (See MacFarland, Allis M., assignor.)

Westinghouse Electric & Manufacturing Company. (See McWhirter, John S., assignor.)

Westinghouse Electric & Manufacturing Company. (See Murdock, Henry D., assignor.)

Westinghouse Electric & Manufacturing Company. (See Reed, Ernest K., assignor.)

Westinghouse Electric & Manufacturing Company. (See Rodman, Clarence J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Rose, Edward E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)

Westinghouse Electric & Manufacturing Company. (See Thornton, Frank, jr., assignor.)

Westinghouse Electric & Manufacturing Company. (See van der Sterr, Petrus K., assignor.)

Westinghouse Electric & Manufacturing Company. (See Wilson, Golder P., assignor.)

Wheeler, John L., and E. T. Nugent, assignors to The Measuregraph Company, St. Louis, Mo. Mechanism for insuring correct starting point in fabric-measuring machines. 1,556,736; Oct. 13.

Whitacre, Clarence J., assignor to General Motors Corporation, Detroit, Mich. Transmission-brake mechanism for motor vehicles. 1,556,884; Oct. 13.

White, Edward N., et al., trustees. (See Eidmann, Frank L., assignor.)

White, Henry H., Muskogee, Okla., assignor of forty-nine one-hundredths to Oklahoma Engineering & Foundry Co. Power delivering or hoisting winch. 1,556,654; Oct. 13.

White Motor Company, The. (See Goode, Gilbert C., assignor.)

White Sewing Machine Company. (See Hillix, Foster F., assignor.)

Whitin Machine Works. (See Hartley, Ellis, assignor.)

Whitney, Clarence E., et al., administrators. (See Hanson, Bengt M. W.)

Whitney, Larned S., Fiskdale, Mass. Making auger bits. 1,556,655; Oct. 13.

Whittaker, Wallace S., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,557,225; Oct. 13.

Whittingham, George H., assignor to Morita Controller Company, Baltimore, Md. Thermostatic device. 1,557,535; Oct. 13.

White Motor Products Company. (See Whyte, John, assignor.)

Whyte, John, Chicago, Ill., assignor to Whyte Motor Products Company. Steering-gear control unit. 1,556,885; Oct. 13.

Wichita Falls Glass Company, et al. (See Howard, Joe H., assignor.)

Wickland, Algot A., Chicago, and F. K. Vial, La Grange, assignors to Griffin Wheel Company, Chicago, Ill. Charging machine. 1,556,886; Oct. 13.

Widmer, John M. (See Lenders, A. W. H., and Widmer.)

Wiehn, Jacob, Dorchester, Mass., assignor to United States Fastener Company. Snap fastener. 1,557,125; Oct. 13.

Wieland, Louis A., Pittsburgh, Pa. Gate. 1,557,511; Oct. 13.

Wilcox, Carbie, Mart, Tex. Gearing for windmills. 1,557,126; Oct. 13.

Willey, Arthur R., Denver, Colo. Centrifugal pump. 1,556,656; Oct. 13.

Willey, Arthur R., Denver, Colo. Centrifugal pump. 1,556,657; Oct. 13.

Wilkin, George W., Grangeville, Idaho. Oil can. 1,557,127; Oct. 13.

Wilkinson, William S., Elizabeth, N. J., assignor to Bethlehem Shipbuilding Corporation, Ltd. Oil-burning-furnace front. 1,556,812; Oct. 13.

Williams, Harry M., assignor to General Motors Research Corporation, Dayton, Ohio. Bearing material. 1,556,658; Oct. 13.

Williamsen, Thomas A., Hampton, Nebr. Manure loader. 1,557,512; Oct. 13.

Williamson, Edgar D., Memphis, Tenn. Tree carrier. 1,556,659; Oct. 13.

Williamson, John A., assignor to The Automatic Coin Stacker Corporation, Denver, Colo. Coin-counting machine. 1,556,660; Oct. 13.

Wilmot Engineering Company. (See Klein, N. J., and Law, assignors.)

Wilson, Bertram E. (See Haupenthal, John R., assignor.)

Wilson, Charles E., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition-timer adjustment. 1,557,226; Oct. 13.

Wilson, Golder P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-interrupting system. 1,557,128; Oct. 18.

Wilson, Henry W., Duluth, Minn. Adjustable spindle for merchant mills. 1,556,737; Oct. 13.

Wilson, Herbert S., Chicago, Ill. Automatic toaster. 1,557,513; Oct. 13.

Wilson, Oliver, Covington, Ky. Switch stand. 1,557,129; Oct. 13.

Wing, George C., trustee. (See Lipps, Louis P., assignor.)

Winters, May, Burgoon, Ohio. Dough-rolling machine. 1,556,887; Oct. 13.

Wise, Fred W., Kirkland, assignor, by mesne assignments, of one-half to O. E. Higgins, Seattle, Wash. Clamp. 1,557,514; Oct. 13.

Wissmach, Paul, Glass Co., The. (See Vollmar, Alfred P., assignor.)

Witherbee, Mary C., Boston, Mass. Dishcloth holder. 1,557,130; Oct. 13.

Witte, Otto, Vineland, N. J., assignor to Grushlaw & Sichel, Germantown, Pa. Button or similar article. Des. 68,502; Oct. 13.

Wolkenhauer, Gustav, assignor to Riverview Park Company, Chicago, Ill. Game. 1,556,984; Oct. 13.

Wong, Harry, Duluth, Minn. Alarm clock. 1,556,813; Oct. 13.

Wood, Charles, Nordman, Idaho. Air filter. 1,556,738; Oct. 13.

Wood, John E., Pittsfield, Mass. Ear-phone attachment. 1,556,661; Oct. 13.

Wood, Rusling. (See Schwanhauser, Frederick, assignor.)

Wood, William R., Crafton, Pa. Weather-strip device. 1,557,227; Oct. 13.

Woodard, William E., Forest Hills, N. Y. Locomotive rod and counterbalance mechanism. 1,556,739; Oct. 13.

Woodyard, Guy L., San Diego, Calif. Paper and plaster-foundation supporting device. 1,557,228; Oct. 13.

Wooley, Frederick E., Manasquan, N. J. Electric-lighting unit. 1,557,515; Oct. 13.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,556,662; Oct. 13.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,556,663; Oct. 13.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,556,663; Oct. 13.

Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Carburetor. 1,556,664; Oct. 13.

Woolverton, Robert B., Washington, D. C. Transmission of radiosignals employing undamped waves. 1,556,740; Oct. 13.

Worthington, Warren, Rushland, Pa. Vehicle wheel. 1,556,888; Oct. 13.

Wray, Edward H., Philadelphia, Pa., assignor to Niles-Bement-Pond Company, New York, N. Y. Contour-milling machine. 1,556,741; Oct. 13.

Wright, Jacob P., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Mechanism for straightening and assembling splints. 1,557,516; Oct. 13.

Wright, William B., Liverpool, England. Means for cleaning, scaling, or chipping surfaces. 1,556,889; Oct. 13.

Wyckoff, J. Lewis, et al., trustee. (See Eldmann, Frank L., assignor.)

Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Corporation. Electric controller. 1,556,824; Oct. 13.

Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Electrical controller. 1,556,825; Oct. 13.

Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Corporation. Electrical controller. 1,556,826; Oct. 13.

Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Fuse. 1,556,827; Oct. 13.

Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Electrical controlling device. 1,556,828; Oct. 13.

Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Interlocking mechanism. 1,556,829; Oct. 13.

Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Controller interlock. 1,556,830; Oct. 13.

Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Electric controlling means. 1,556,831; Oct. 13.

Yates, Luther L. (See Reynolds, Damian L., assignor.)

Zachry, W. H. (See Keener, Charles M., assignor.)

Zebold, Frank A., J. B. Duncan, and R. F. Fisher, Bellefontaine, Ohio. Wheel puller for automobiles. 1,556,890; Oct. 13.

Zimmerli, Franz P., Detroit, Mich. Viscosimeter. 1,557,517; Oct. 13.

Zimmerman, Frances C. (See Imsande, John D., assignor.)

Zobel, Otto J., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Terminating network for filters. 1,557,229; Oct. 13.

Zobel, Otto J., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Complementary filter. 1,557,230; Oct. 13.

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 13TH DAY OF OCTOBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abdominal supporter. N. A. Myers. 1,557,479; Oct. 13.

Abrasive pot-cloth fabric. R. B. Kingman. 1,557,296; Oct. 13.

Abrasive to grinding apparatus, Process and apparatus for applying. C. Brown. 1,556,733; Oct. 13.

Accounting machine and motor-drive mechanism. A. H. Hawley. 1,557,457; Oct. 13.

Accumulator-control mechanism. H. H. Hummel. 1,556,836; Oct. 13.

Acid from benzotrichloride, Manufacture of benzoic. A. George. 1,557,153; Oct. 13.

Adding machine. E. M. Camp. 1,556,756; Oct. 13.

Addressing machines, Selector mechanism for. P. A. Gollnick and J. J. Toolan. 1,556,929; Oct. 13.

Adjustable internal gauge. J. and S. W. Bath. 1,556,666; Oct. 13.

Adjustable stand. H. G. Tiffany. 1,556,735; Oct. 13.

Advertising novelty. D. G. Mueller. 1,556,866; Oct. 13.

Aeroplanes, Control for. R. E. Mitton. 1,557,581; Oct. 13.

Agricultural machinery, Device especially applicable to. L. Murray. 1,557,469; Oct. 13.

Aiming device with optical reflecting system for moving stations. H. Jacob. 1,556,994; Oct. 13.

Air cleaner. F. A. Donaldson. 1,556,592; Oct. 13.

Aircrafts, Ascertaining elevations of. E. N. Todd. 1,557,589; Oct. 13.

Airplane. R. F. Hall. 1,556,686; Oct. 13.

Airplane control mechanism. J. L. McClane. 1,557,214; Oct. 13.

Airplanes, Landing chassis for. V. E. Clark. 1,557,242; Oct. 13.

Air-preheating device. H. R. Brunner. 1,556,585; Oct. 13.

Air purifier and reflector, Combined. F. C. Dorment. 1,556,680; Oct. 13.

Airships, Anchoring arrangement for. N. Basenach. 1,557,471; Oct. 13.

Alarm: *See*—
Burglar alarm. Water-pan alarm.

Alkali-silicate solution, Production of. L. W. Codd. 1,557,491; Oct. 13.

Alloy. S. W. Parr. 1,556,953; Oct. 13.

Alloy and articles made therefrom, Nickel-chromium. W. F. Cochrane. 1,557,025; Oct. 13.

Alloy and making the same, Gold. V. D. Davignon. 1,557,431; Oct. 13.

Alloy, Nickel-copper. W. F. Graham. 1,557,044; Oct. 13.

Alloys, Process and product of making low-carbon chromium-iron. P. A. E. Armstrong. 1,557,132; Oct. 13.

Amusement device. R. Gibert. 1,556,597; Oct. 13.

Amusement device. S. B. Kiser. 1,557,255; Oct. 13.

Antiglare device. E. B. Tilden. 1,557,388; Oct. 13.

Applicator. B. Ansehl. 1,556,744; Oct. 13.

Arch supporter. J. Lelyveld. 1,557,312; Oct. 13.

Armatures, Apparatus for making. R. H. Ahlers and E. M. Polk. 1,556,891–3; Oct. 13.

Armatures, Device and method for assembling. G. H. Leland and R. H. Ahlers. 1,557,259; Oct. 13.

Asbestos composition. N. Sulzberger. 1,554,973; Oct. 13.

Asphalt, Fibrating. A. R. Lukens. 1,556,703; Oct. 13.

Attaching means. D. T. Moats. 1,557,183; Oct. 13.

Attrition mill. A. P. Daniel. 1,556,764; Oct. 13.

Audiphone. C. Fensky. 1,556,774–5; Oct. 13.

Auger bits, Making. L. S. Whitney. 1,556,655; Oct. 13.

Automatic switch. C. F. Kettering. 1,557,205; Oct. 13.

Automobile body. P. Forostovsky, jr. 1,556,778; Oct. 13.

Automobile bumper. C. Girl. 1,556,780; Oct. 13.

Automobile hood lids, Securing and latching mechanism for. J. H. Mendenhall. 1,556,864; Oct. 13.

Automobile pedals, Extension attachment for. E. O. Emerson. 1,556,921; Oct. 13.

Automobile radiator-thawing device. R. S. Innes. 1,557,496; Oct. 13.

Automobile signal. A. Meissner. 1,556,863; Oct. 13.

Automobile signal. F. L. and A. J. Rock. 1,557,335; Oct. 13.

Automobiles, Combined rain and wind shield for. A. S. Beville and A. F. Schroder. 1,556,902; Oct. 13.

Automobiles, Light-absorbing filter for. C. D. Symms. 1,556,648; Oct. 13.

Automobiles, Locking means for. E. A. Christoph. 1,556,588; Oct. 13.

Automobiles, Wheel puller for. F. A. Zebold, J. B. Duncan, and R. F. Fisher. 1,556,890; Oct. 13.

Awning. A. P. Cooley. 1,556,915; Oct. 13.

Axle stand. G. E. Weaver. 1,556,882; Oct. 13.

Backstop. B. W. Kadel. 1,557,061; Oct 13.

Bag: *See*—
Compartment bag. Golf bag.

Bait, Artificial. E. H. Peckinpaugh. 1,557,083; Oct. 13.

Balancing rotative bodies, Process of and apparatus for. B. L. Newkirk. 1,557,268; Oct. 13.

Ball joint, Universal. J. K. Robinson. 1,556,719; Oct. 13.

Battery cell. E. A. Harris. 1,556,932; Oct. 13.

Battery indicator, Storage-. G. A. Jensen. 1,556,838; Oct. 13.

Bearing and making it, Self-lubricating. J. Brincil. 1,557,137; Oct. 13.

Bearing cap. F. A. Leis. 1,556,940; Oct. 13.

Bearing material. H. M. Williams. 1,556,658; Oct. 13.

Bearing, Self-adjusting. F. C. Doody. 1,556,768; Oct. 13.

Bearing, Thrust. B. M. W. Hanson. 1,557,524; Oct. 13.

Bed appliance, Invalid's and cripple's. G. W. Hoyle. 1,557,055; Oct. 13.

Bedstead ends, Panel for. A. Governale. Des. 68,503; Oct. 13.

Beet topper. O. E. Huyck. 1,557,289; Oct. 13.

Belt tightener. J. E. Valentine. 1,557,486; Oct. 13.

Belting, Device for forming round. A. H. De Voe. 1,557,243; Oct. 13.

Benzoyl chloride, Manufacture of. A. George. 1,557,154; Oct. 13.

Bicycle pedals, Spindle for. J. H. Graham. 1,557,359; Oct. 13.

Binder. L. E. Baltzley. 1,556,579; Oct. 13.

Binder for cards and the like. C. A. Briggs. 1,556,908; Oct. 13.

Binder, Loose-leaf. R. M. Van Valkenburgh. 1,557,279; Oct. 13.

Biscuits, cup wafers, cornets, and the like, Apparatus or machine for making and cooking wafer. T. O. Bates. 1,557,004; Oct. 13.

Book cover. J. Schade. 1,556,721; Oct. 13.

Book end. C. F. Clarke. 1,557,419; Oct. 13.

Boots and shoes, Heel for. W. Felstead. 1,557,448; Oct. 13.

Bottle-filling machines, Transferring mechanism for. I. R. Hippenmeyer. 1,556,991; Oct. 13.

Bottle or similar article. G. Miller. Des. 68,489; Oct. 13.

Bouquet stay. R. I. Walthers. 1,557,506; Oct. 13.

Board: *See*—
Ironing board. Plaster board.

Bowl or similar article. D. G. Clark. Des. 68,426; Oct. 13.

Bowling alley. H. Loewenbach. 1,557,176; Oct. 13.

Box: *See*—
Switch box.

Box. F. J. Dolan. 1,557,144; Oct. 13.

Box-dumping machine. F. Stebler. 1,557,350; Oct. 13.

Box structure. H. K. Krantz. 1,557,066; Oct. 13.

Boxes or similar packings, Machine for automatically applying covers on. P. Nordenfelt and E. Frisk. 1,557,500; Oct. 13.

Brace: *See*—
Rail brace.

Bracket: *See*—
Shade bracket.

Brad. O. Lund. 1,556,946; Oct. 13.

Brake: *See*—
Electromagnetic brake.

Brake. C. J. Delegard and J. Hawkinson. 1,557,518; Oct. 13.

Brake. V. Delegard. 1,557,034; Oct. 13.

Brake and door control device. J. M. Bosenburg. 1,556,583; Oct. 13.

Brake bands, clutch disks, and the like, Apparatus for relining. J. R. Lewis. 1,556,855; Oct. 13.

Brake-drum construction. J. R. Bartholomew. 1,556,746; Oct. 13.

Brake mechanism for motor vehicles, Steering-wheel. F. Porsche. 1,557,325; Oct. 13.

Brake mechanism for motor vehicles, Transmission-. C. J. Whitacre. 1,556,884; Oct. 13.

Brake-operating mechanism. G. J. Thomas. 1,556,978; Oct. 13.

Braking apparatus, Fluid. J. B. Reynolds. 1,557,330; Oct. 13.

Brassière. W. Kops. 1,557,459; Oct. 13.

Breakwaters, Building. C. D. Bradley. 1,557,409; Oct. 13.

Brick. C. E. Smith and N. M. Buckingham. 1,557,274; Oct. 13.

Briquette and making the same, Fuel. J. F. O'Donnell. 1,557,320; Oct. 13.

Broom. C. M. Keener. 1,556,841; Oct. 13.

Brush commutator. R. L. Henry. 1,556,990; Oct. 13.

Brush, Generator. J. H. Hunt. 1,557,202; Oct. 13.

Brush-making machine. C. C. Gray. 1,556,783; Oct. 13.

Brush, Metal. H. J. Horn. 1,557,166; Oct. 13.
Bubble pipe. I. E. Cohn. 1,557,421; Oct. 13.
Builder mechanism. H. H. Burdett. 1,556,815; Oct. 13.
Bulkhead construction. W. J. Watson. 1,556,653; Oct. 13.
Bumper. J. Breslav. 1,557,410; Oct. 13.
Burglar alarm. A. D. Studt. 1,557,373; Oct. 13.
Burglar alarm. J. J. Pope. 1,556,626; Oct. 13.
Burial casket. R. L. Fraser. 1,557,042; Oct. 13.
Burner: *See*—
Liquid-fuel burner.
Button or similar article. O. Witte. Des. 68,502; Oct. 13.
Cabinet, Disk-record. H. D. Fitzpatrick. 1,557,149; Oct. 13.
Cabinet lock. O. Brunner. 1,557,138; Oct. 13.
Cabinet, Shelf. Z. P. Pietrzycki. 1,556,711; Oct. 13.
Calendar and savings bank, Coin-operated. F. F. Kolarik and J. Martin. 1,557,458; Oct. 13.
Calling device, Automatic. J. G. Blessing. 1,556,904–6; Oct. 13.
Cam and roller construction. L. G. Daniels. 1,557,492; Oct. 13.
Camera, Convertible roll-film. J. C. Murray. 1,556,868; Oct. 13.
Camera, Multiple-exposure. W. Fritsche. 1,557,152; Oct. 13.
Can: *See*—
Oil can.
Can-end-curling machine. G. W. Hedstrom. 1,557,162; Oct. 13.
Can lock, Cream-. J. P. Jarman. 1,556,936; Oct. 13.
Can opener, Power-driven. W. F. Linstedt. 1,556,943; Oct. 13.
Candy and method of and apparatus for making it, Porous. P. B. Laskey. 1,556,617; Oct. 13.
Candy-making machine. W. C. Keish and J. Kellenberg. 1,556,610; Oct. 13.
Cane-stripping machine. H. O. Scranton. 1,557,113; Oct. 13.
Cap. J. D. Rorres. Des. 68,492; Oct. 13.
Car and electric coupler, Automatic. G. C. Geiger. 1,557,537; Oct. 13.
Car-door-locking mechanism, Automatic freight-. J. E. Hunter and C. H. Lindsay. 1,557,288; Oct. 13.
Car-lifting device. A. O. Carpenter. 1,557,416; Oct. 13.
Car, Motor. C. P. Benning. 1,556,900; Oct. 13.
Car, Railway. A. Christianson and H. T. Anderson. 1,556,757; Oct. 13.
Cars, Side-wall construction for. M. C. Blest. 1,557,136; Oct. 13.
Carburetor. G. E. Morrison. 1,556,799; Oct. 13.
Carburetor. L. M. Woolson. 1,556,664; Oct. 13.
Card system, Visible. W. A. Ringler. 1,557,217; Oct. 13.
Cards, Device for shuffling. L. P. Lipps. 1,556,856; Oct. 13.
Carrier: *See*—
Differential carrier. Rope carrier.
Luggage carrier. Tree carrier.
Cart, Child's. J. R. Millen. 1,557,263–4; Oct. 13.
Case: *See*—
Cracker case.
Cash register. W. H. Robertson. 1,556,957; Oct. 13.
Casein, Making. A. Mossmer. 1,557,181; Oct. 13.
Casting malleable castings. W. H. Smith. 1,556,642; Oct. 13.
Casting pottery ware, Apparatus for. E. S. Lea. 1,557,371–2; Oct. 13.
Casts of feet, Making plaster. A. A. Page. 1,556,802; Oct. 13.
Cellulose acetate, Treating. E. S. Farrow, jr. 1,557,147; Oct. 13.
Change-over switch. E. K. Read. 1,557,088; Oct. 13.
Chain. N. J. Klein and J. C. Law. 1,557,172; Oct. 13.
Chain, Cutter. M. P. Holmes. 1,556,992; Oct. 13.
Chair: *See*—
Folding chair.
Chair-moving apparatus. C. H. Lucus. 1,557,300; Oct. 13.
Chairs, Tray attachment for dining. A. S. Meharey. 1,556,622; Oct. 13.
Chalk line. E. A. Conway. 1,557,031; Oct. 13.
Charging machine. A. A. Wickland and F. K. Vial. 1,556,886; Oct. 13.
Check-controlled mechanism. H. M. Walker. 1,556,650; Oct. 13.
Checking implement. W. Dost. 1,557,035; Oct. 13.
Child's road roller. J. Montanaro. 1,556,798; Oct. 13.
Chloridizing process, Multiple-roast. O. B. Hofstrand. 1,556,822; Oct. 13.
Chopper: *See*—
Cotton chopper.
Cigar-binder cutter, Foot-power. A. López. 1,556,944; Oct. 13.
Cigar bunching. B. Liberman. 1,556,619; Oct. 13.
Ciphering apparatus, Electric. A. Scherbius. 1,556,964; Oct. 13.
Circuit controlling and interrupting apparatus. C. E. Silver. 1,556,640; Oct. 13.
Circuit-interrupting system. G. P. Wilson. 1,557,128; Oct. 13.
Circuits, Trunk. H. D. Currier and G. R. Eaton. 1,556,761; Oct. 13.
Clamp: *See*—
Hose clamp. Tire-chain-fastener clamp.
Clamp. F. W. Wise. 1,557,514; Oct. 13.
Clasp: *See*—
Jewelry clasp.
Cleaner: *See*—
Air cleaner.
Cleaner. C. Ellis. 1,557,520; Oct. 13.
Cleaning, distributing, sorting, and packing machine, Produce. F. W. Shields. 1,557,100; Oct. 13.
Cleaning, Dry. T. Griswold, jr. 1,556,786; Oct. 13.
Cleaning, Method of and apparatus for dry. T. Griswold, jr. 1,556,785; Oct. 13.
Cleaning, scaling, or chipping surfaces. W. B. Wright. 1,556,889; Oct. 13.
Clip: *See*—
Metallic clip.
Clock, Alarm. H. Wong. 1,556,813; Oct. 13.
Clock mechanism. S. A. Pavky. 1,557,189; Oct. 13.
Closet: *See*—
Wall-closet.
Cloth making. A. J. Henrichon. 1,557,282; Oct. 13.
Clothesline stretcher and reel. P. G. Peterson. 1,556,806; Oct. 13.
Clutch. H. T. Hallowell. 1,557,159; Oct. 13.
Clutch, Automatic. H. P. Stevens and W. S. Horton. 1,556,972; Oct. 13.
Clutch, Friction. J. C. Carlton. 1,557,241; Oct. 13.
Clutch-lever holder. G. J. Parthel. 1,557,134; Oct. 13.
Clutch mechanism. J. H. Ordway. 1,556,874; Oct. 13.
Clutch mechanism. L. A. Russell. 1,556,962; Oct. 13.
Coin-counting machine. J. A. Williamson. 1,556,660; Oct. 13.
Coke-cooling apparatus. S. Moettell. 1,557,077; Oct. 13.
Coke from the products of combustion, Apparatus for separating unburned. C. L. Roger. 1,556,672; Oct. 13.
Comb. J. R. Earp. 1,557,440; Oct. 13.
Combination lock. A. Kadlubowski. 1,557,168; Oct. 13.
Commutator-slotting apparatus. J. J. Carter. 1,556,675; Oct. 13.
Compartment bag. J. G. Galloway. 1,557,246; Oct. 13.
Composite body. E. E. Novotny and C. J. Romieux. 1,557,318; Oct. 13.
Compression gauge. O. L. Scalbom. 1,557,311; Oct. 13.
Compressor. D. D. Demarest. 1,557,434; Oct. 13.
Concrete product and manufacturing the same. J. J. Connelly. 1,556,759; Oct. 13.
Concrete structure, Adjustable. C. C. Saner. 1,556,720; Oct. 13.
Condenser, Multijet. P. A. Bancel. 1,557,399; Oct. 13.
Condenser, Standard-unit marine. R. L. Leach. 1,556,697; Oct. 13.
Condenser, Variable. G. H. Nobbs. 1,557,316; Oct. 13.
Connecting mechanism. F. J. Hardman. 1,556,988; Oct. 13.
Control apparatus. J. S. McWhirter. 1,557,073; Oct. 13.
Controller interlock. C. W. Wyman. 1,556,830; Oct. 13.
Controlling device. A. Roesch. 1,557,093; Oct. 13.
Conveyer. A. J. Robstock. 1,556,955; Oct. 13.
Conveyer, Cable-operated. J. E. Hires. 1,556,819; Oct. 13.
Conveyer, Pneumatic. A. G. and A. Ronning. 1,556,718; Oct. 13.
Conveyer system. A. H. Shaffer. 1,556,723; Oct. 13.
Conveyer systems, Spacing device for. A. H. Shaffer. 1,556,724; Oct. 13.
Cord terminal. H. Gernsback. 1,557,248; Oct. 13.
Cork puller. A. V. Bohner. 1,557,239; Oct. 13.
Corn shredders, Safety device for. T. E. Nicholson. 1,556,872; Oct. 13.
Corset. E. M. Stowers. 1,557,378; Oct. 13.
Cotton chopper. C. J. Smith. 1,557,102; Oct. 13.
Cotton picker. R. L. McGhee. 1,556,621; Oct. 13.
Couch, Sliding. A. J. Kreuzkamp. 1,557,460; Oct. 13.
Coupling: *See*—
Overload release coupling.
Coupling and pipe packer. J. A. Plante. 1,557,480; Oct. 13.
Cracker case. J. B. Franke. 1,556,994; Oct. 13.
Crib. C. H. Boardman. 1,557,013; Oct. 13.
Crosscut handles. J. H. Bode and C. L. Kittle. 1,556,577; Oct. 13.
Crusher. R. A. Mitchell. 1,556,797; Oct. 13.
Crusher. R. A. Mitchell. 1,557,307; Oct. 13.
Cutlery. B. Dadd. 1,556,703; Oct. 13.
Current motor, Alternating-. H. Weichsel. 1,557,124; Oct. 13.
Current motors, Control system for alternating-. D. L. Lindquist and J. D. Lewis. 1,556,620; Oct. 13.
Cutter: *See*—
Cigar-binder cutter. Rotary cutter.
Pie cutter. Shingle-strip cutter.
Root cutter. Thread cutter.
Cutter drill. W. K. Mick. 1,557,464; Oct. 13.
Cutting machine. N. E. Booth. 1,556,581; Oct. 13.
Cyclohexanol-aldehyde resin and making the same. C. Ellis. 1,557,521; Oct. 13.
Daylight plate changer. F. Piller. 1,557,085; Oct. 13.
Decorative article of manufacture. H. M. Conger. 1,557,196; Oct. 13.
Dental engines, Liquid-controlling means for. F. J. Hofschneider. 1,557,164; Oct. 13.
Dental filling material. P. W. Kruger. 1,556,696; Oct. 13.
Dentist's plaster. R. W. Blake. 1,556,752; Oct. 13.
Deoxygenation of inclosed atmosphere. C. J. Rodman. 1,557,092; Oct. 13.
Desk. D. W. and R. S. Lynch. 1,557,541; Oct. 13.





Dial mechanism, Combination mounting for. F. J. Feely. 1,556,773; Oct. 13.
Dice game. G. M. Fox. 1,557,352; Oct. 13.
Differential carrier. D. D. Ormsby. 1,556,875; Oct. 13.
Diphenylamine chlorarsine, Manufacture of. W. L. Tanner. 1,557,384; Oct. 13.
Dishcloth holder. M. C. Witherbee. 1,557,130; Oct. 13.
Dishwashing machine. J. A. Masonick. 1,557,179; Oct. 13.
Disk wheel. M. V. Liddell. 1,556,941; Oct. 13.
Display device. W. A. and E. E. Lee. 1,557,260; Oct. 13.
Display device. J. L. Little. 1,557,297; Oct. 13.
Display device. H. V. Robbins. 1,557,332; Oct. 13.
Display device, Commodity-. C. P. Johnson. 1,557,059; Oct. 13.
Distillation apparatus. J. Schneible. 1,557,112; Oct. 13.
Doll. H. T. Chinn. 1,557,023; Oct. 13.
Doll. L. Goodman. Des. 68,435–6; Oct. 13.
Domestic appliance. R. L. Lee. 1,556,700; Oct. 13.
Domestic appliance. R. L. Lee. 1,557,212; Oct. 13.
Door-control means. W. J. Hoseeit and D. Hindahl 1,556,833; Oct. 13.
Door-controlling circuits. A. H. Candee. 1,557,020; Oct. 13.
Door holder. G. Lane. 1,556,615; Oct. 13.
Doorknob. E. Robichaud. 1,556,716; Oct. 13.
Doorlock. C. S. Clarkson. 1,557,140; Oct. 13.
Dough-rolling machine. M. Winters. 1,556,887; Oct. 13.
Draft device. N. R. Nelson. 1,557,187; Oct. 13.
Draft-hitching device. J. T. Doolan. 1,556,679; Oct. 13.
Draft yoke. B. W. Kadel. 1,557,060; Oct. 13.
Drawing press. W. Klocke. 1,556,611; Oct. 13.
Drier: *See*—
Loop drier.
Drill: *See*—
Cutter drill. Motor-operated drill.
Driving connection. B. M. W. Hanson. 1,557,525; Oct. 13.
Drying apparatus. C. C. Colbert and G. E. Preston 1,557,422; Oct. 13.
Drying means for vegetable material, Sun-. B. Müller. 1,556,865; Oct. 13.
Drying method. C. C. Colbert and G. E. Preston. 1,557,423; Oct. 13.
Dust and particles from grain or granular substances, Machine for removing. C. J. Robinson. 1,557,383; Oct. 13.
Dye, Disazo. R. C. Müller. 1,557,265; Oct. 13.
Dynamo frame. E. R. Kubis. 1,557,000; Oct. 13.
Egg beater. A. R. Headley. 1,557,364; Oct. 13.
Electric controller. C. W. Wyman. 1,556,824; Oct. 13.
Electric controlling means. C. W. Wyman. 1,556,831; Oct. 13.
Electric furnace. A. D. Keene. 1,557,062; Oct. 13.
Electric furnaces, Resistor mounting for. F. Thornton, jr. 1,557,104; Oct. 13.
Electric lighting unit. F. E. Wooley. 1,557,515; Oct. 13.
Electric motor. H. C. Grant. 1,557,158; Oct. 13.
Electric switch. C. E. Anderson. 1,557,394; Oct. 13.
Electric switch. C. E. Anderson and H. U. Badeau. 1,556,743; Oct. 13.
Electric switch. M. P. Holmes. 1,556,823; Oct. 13.
Electric switch. W. M. Austin. 1,557,003; Oct. 13.
Electric temperature control. C. B. Thwing. 1,557,387; Oct. 13.
Electrical antenna. J. H. Hammond, jr. 1,557,049; Oct. 13.
Electrical apparatus. J. G. Campbell. 1,556,674; Oct. 13.
Electrical apparatus. J. G. Campbell. 1,557,194; Oct. 13.
Electrical apparatus. W. C. Dee. 1,556,917; Oct. 13.
Electrical apparatus. R. L. Lee. 1,557,213; Oct. 13.
Electrical apparatus. C. Van Rennes. 1,557,221; Oct. 13.
Electrical control method. S. Rubon. 1,556,633; Oct. 13.
Electrical controller. C. W. Wyman. 1,556,825–6; Oct. 13.
Electrical controlling device. C. W. Wyman. 1,556,828; Oct. 13.
Electrical display appliance. L. R. Crow. 1,557,430; Oct. 13.
Electrical fixture support. P. Hartmann. 1,557,526; Oct. 13.
Electrical heater. H. Gran. 1,556,930; Oct. 13.
Electrical signaling. L. B. Bender. 1,556,750; Oct. 13.
Electrical system. H. P. Braeutigam. 1,556,673; Oct. 13.
Electromagnetic brake. G. K. Mitchell. 1,557,465; Oct. 13.
Electromagnetic device. A. L. Thuras. 1,557,386; Oct. 13.
Electromechanical interlock. C. Norton. 1,557,309; Oct. 13.
Electromechanical master interlock for elevators. C. Norton. 1,557,310; Oct. 13.
Electroplating machine, Continuous rotary. H. B. Farrand. 1,557,474; Oct. 13.
Embroidery-stamping machine. M. Katcher. 1,556,998; Oct. 13.
Engine: *See*—
Gas engine. Rotary engine.
Internal-combustion engine. Water engine.
Engine. E. Dickey. 1,557,197; Oct. 13.
Engine. L. S. Kellholtz and E. Dickey. 1,557,203; Oct. 13.
Engine-starting apparatus. F. J. Hardman. 1,557,190; Oct. 13.
Engines, Attachment for internal-combustion. J. A. Reasoner. 1,557,089; Oct. 13.
Engines, Circulating fuel system for oil. C. L. Cummins. 1,557,143; Oct. 13.
Engines, Injecting and carbureting apparatus for heavy-oil high-power. A. Bagnulo. 1,557,397; Oct. 13.
Engines, Lubricator means for crank shafts in internal-combustion. H. J. Sprout. 1,556,970; Oct. 13.
Engines, Mixture-heating device for internal-combustion. F. F. Starr. 1,557,220; Oct. 13.
Engines, Regulating the fuel supply with compressorless high-pressure crude-oil. E. Frey. 1,557,151; Oct. 13.
Engines, Starting device for internal-combustion. F. Müller. 1,557,184; Oct. 13.
Excavating machine. G. T. Ronk. 1,556,960; Oct. 13.
Excavating machine and the like. E. J. Armstrong. 1,556,574; Oct. 13.
Excavator-controlling apparatus. W. R. Ewing. 1,556,595; Oct. 13.
Exhaust gases of an internal-combustion engine from a garage, apparatus for conveying the. F. S. Balatta. 1,556,896; Oct. 13.
Exhibitor, Changeable. M. W. Pullen. 1,556,713; Oct. 13.
Fabric: *See*—
Abrasive pot-cloth fabric.
Fabric-printing machine. N. C. Thackeray. 1,556,976; Oct. 13.
Farm machine. O. R. Spraggins. 1,556,643; Oct. 13.
Fastener. G. Sundback. 1,557,381; Oct. 13.
Fastening device. D. Marinsky. 1,557,304; Oct. 13.
Fastening device, Semidetached. D. Marinsky. 1,557,303; Oct. 13.
Faucet. J. Florence. 1,556,923; Oct. 13.
Faucet. C. B. Michel. 1,556,952; Oct. 13.
Faucet. W. F. Uschman. 1,556,979; Oct. 13.
Feeding device, Intermittent. N. E. Booth. 1,556,582; Oct. 13.
Feeler tip. H. A. Davis. 1,556,816; Oct. 13.
Fertilizer distributor. G. D. Fentiman. 1,556,922; Oct. 13.
Filter. H. Bechbold. 1,557,234–5; Oct. 13.
Filter, Air. C. Wood. 1,556,738; Oct. 13.
Filter, Complementary. O. J. Zobel. 1,557,230; Oct. 13.
Filter, Water. A. M. Capra. 1,556,913; Oct. 13.
Filters, Terminating network for. O. J. Zobel. 1,557,229; Oct. 13.
Fire apparatus. J. W. MacLeod. 1,557,075; Oct. 13.
Firearm. L. N. Diehm. 1,557,485; Oct. 13.
Fire grate, Domestic. R. J. Page. 1,557,269; Oct. 13.
Fireplace basket. J. E. McMinn. Des. 68,484–8; Oct. 13.
Fish or shellfish, Manufacturing seasonings or like foodstuffs from. T. Endo. 1,556,772; Oct. 13.
Fishing tool. E. B. Karn and L. J. Leuthart. 1,556,692; Oct. 13.
Flashing. M. J. N. Schneider. 1,557,481; Oct. 13.
Flask: *See*—
Molding flask.
Flue dust, Handling. G. W. Vreeland. 1,557,123; Oct. 13.
Flux. J. A. Smith. 1,556,968; Oct. 13.
Flycatcher. A. M. Horning. 1,557,054; Oct. 13.
Fixing machines, Automatic control for. R. E. Mitton. 1,557,532; Oct. 13.
Folders, Producing. C. D. Kaufmann. 1,557,170; Oct. 13.
Folding chair. H. T. Tucker. 1,557,108; Oct. 13.
Food product. C. W. Hooper. 1,557,053; Oct. 13.
Fountain: *See*—
Poultry fountain.
Frame: *See*—
Dynamo frame. Supporting frame.
Spectacle front frame. Trial frame.
Froth, Skimming off. J. W. Kleinbentink. 1,557,360; Oct. 13.
Fruit for canning purposes, Treating. E. G. Grab. 1,557,358; Oct. 13.
Fruit picker. A. T. Ramsdell. 1,556,628; Oct. 13.
Fuel combustion, Apparatus for promoting. J. W. Craig. 1,556,916; Oct. 13.
Fuel consumption, Promoting combustion and economizing in. R. A. Melvin. 1,556,705; Oct. 13.
Fuel, Motor. J. La Riboisiere. 1,557,257; Oct. 13.
Fuel-supply device. C. F. Kettering. 1,557,206; Oct. 13.
Funnel, Electrically-heated. E. Weiss and F. Hnilo 1,557,508; Oct. 13.
Furnace: *See*—
Electric furnace. Plumber's furnace.
Glass-melting furnace. Rivet furnace.
Kettle furnace.
Furnace. C. L. Lee. 1,556,698; Oct. 13.
Furnace. C. L. Lee and T. C. Van Degrift. 1,557,208; Oct. 13.
Furnace front, Oil-burning-. W. S. Wilkinson. 1,556,812; Oct. 13.
Furnaces, Regulating device for combustible. W. L. Higgins. 1,556,817; Oct. 13.
Furnaces, Reversing valve for. N. F. Egler. 1,557,146; Oct. 13.
Furniture, Convertible. P. M. Schlamp. 1,557,342; Oct. 13.
Fuse. C. W. Wyman. 1,556,827; Oct. 13.
Game. C. H. Böhn. 1,557,014; Oct. 13.
Game. W. E. Diegel. 1,556,678; Oct. 13.
Game. A. Kulas. 1,556,851; Oct. 13.

Game. G. Wolkenhauer. 1,556,984; Oct. 13.
Game, Amusement. M. Verbeyst. 1,557,489; Oct. 18.
Game apparatus. P. J. McGrath. 1,556,861; Oct. 13.
Game of skill. J. R. Haupenthal. 1,557,160; Oct. 13.
Garment, Infants' retaining. A. J. Bates, jr. 1,556,747; Oct. 13.
Garter. J. Siggelkow. 1,556,967; Oct. 13.
Gas engine, Rotary. B. F. Augustine. 1,557,395; Oct. 13.
Gas meter, Orifice or similar. T. D. Cabot. 1,556,910; Oct. 13.
Gas-saving device. E. Gooseide. 1,557,249; Oct. 13.
Gas tester for the determination of gasoline content of natural gas, Portable. R. Ponsler. 1,556,712; Oct. 13.
Gasoline motor, Rotary. B. L. Hardy. 1,556,600; Oct. 13.
Gate. L. A. Wieland. 1,557,511; Oct. 13.
Gauge: *See*—
Adjustable internal gauge. Pressure gauge.
Compression gauge.
Gauge and clamp, Shingle. J. A. Topping. 1,556,649; Oct. 13.
Gearing for windmills. C. Wilcox. 1,557,126; Oct. 13.
Gearing, Safety mechanism for. F. J. Bullock. 1,557,139; Oct. 13.
Gears, Method of making and structure of. J. W. Fulper. 1,557,522; Oct. 13.
Glass: *See*—
Molding glass.
Glass apparatus, Sheet-. E. T. Ferngren. 1,557,148; Oct. 13.
Glass articles and making same, Metallic mold for forming. F. J. and R. L. Frink. 1,556,925; Oct. 13.
Glass-blowing contrivances, Handle for hand. K. Bartl. 1,556,985; Oct. 13.
Glass cloth and article manufactured thereby, Making. A. S. Turner. 1,557,485; Oct. 13.
Glass cylinders, Splitting jack for. J. H. Howard. 1,557,528; Oct. 13.
Glass-drawing apparatus. H. G. Slingluff. 1,556,726; Oct. 13.
Glass goblet or similar article. E. M. Bottome. 68,422–4; Oct. 13.
Glass goblet or similar article. F. D. Greenan. Des. 68,437–8; Oct. 13.
Glass, Grinding apparatus for plate. J. Soderberg. 1,556,730; Oct. 13.
Glass-melting furnace. T. C. Moorshead. 1,557,078; Oct. 13.
Glass or the like, Etching. C. C. Minter. 1,556,796; Oct. 13.
Glass, Producing continuous sheet. C. W. Avery and E. T. Brown. 1,556,665; Oct. 13.
Golf bag. V. M. Delamater and L. Walker, jr. 1,557,433; Oct. 13.
Golf club. F. E. Ganders. 1,556,928; Oct. 13.
Golf sticks, Extension handle for. C. S. Gless. 1,557,156; Oct. 13.
Grain-drill tooth and hoe, Combined. E. L. Bell. 1,556,899; Oct. 13.
Granular and pulverulent material, Method and apparatus for mixing and working up. E. Sprenger. 1,557,275; Oct. 13.
Graves, Apparatus for filling and mounding. N. A. Watson. 1,557,507; Oct. 13.
Grenade and fuse therefor, Hand and rifle. H. Newton. 1,557,081; Oct. 13.
Grinding burr. H. B. Nelson. 1,556,870; Oct. 13.
Grinding machine, Portable. L. E. Smith. 1,557,114; Oct. 13.
Grinding machines, Gauge bar for. J. Bath. 1,557,005; Oct. 13.
Grip, Resilient. T. E. Gjorup. 1,556,781; Oct. 13.
Gumming machine. J. G. Swab. 1,557,534; Oct. 13.
Guns, Firing mechanism for. J. M. Browning. 1,557,414; Oct. 13.
Guns, Recoil device for. W. R. Jorgenson. 1,557,538; Oct. 13.
Half stuffs and cellulose, Producing. R. Runkel. 1,557,338; Oct. 13.
Hand, Artificial. H. F. Geise. 1,557,355; Oct. 13.
Handle: *See*—
Toaster handle.
Hanger: *See*—
Paper hanger.
Hanger. T. H. Kane. 1,556,607; Oct. 13.
Harrow. J. Sutton. 1,557,383; Oct. 13.
Harrow, Disk. T. C. Vandeberg. 1,557,109; Oct. 13.
Harvesting machine, Corn-. F. W. Bennefeld. 1,557,406; Oct. 13.
Hat conformator. C. H. Watson. 1,557,280; Oct. 13.
Hat fan. E. Stebbings. 1,557,276; Oct. 13.
Headlight, Automobile. W. S. Allen. 1,557,232; Oct. 13.
Headlight, Duplex. E. R. Sager. 1,557,097; Oct. 13.
Headlight screen. W. A. Farish. 1,556,682; Oct. 13.
Headphone, Headband for. T. L. Jones. 1,556,792; Oct. 13.
Heat deflector. J. D. Imsande. 1,557,252; Oct. 13.
Heater: *See*—
Electrical heater. Rivet heater.
Hot-air heater.
Heater casing and standard, Combined electric. W. Barnes. Des. 68,418; Oct. 13.
Heating-appliance casing. J. P. Cluett. Des. 68,427; Oct. 13.
Heating device. J. K. Tomlinson. 1,557,484; Oct. 13.
Heating system. P. B. Parks and J. Van Vulpen. 1,556,803; Oct. 13.
Heel making, Wood-. N. L. Gulliford. 1,557,046; Oct. 13.
Henhouses, Drop-board cleaner for. C. D. Baier. 1,556,578; Oct. 13.
Highways, Pavement for. E. G. Hooper. 1,557,165; Oct. 13.
Hinge, Box. S. Hammer. 1,557,454; Oct. 13.
Hinge, Concealed door. J. W. Anderson. 1,556,742; Oct. 13.
Hinge, Stepladder. F. J. Le Beau. 1,556,853; Oct. 13.
Hoist. A. G. Leake. 1,557,462; Oct. 13.
Hoist controller, Shielded. H. H. Logan. 1,556,858; Oct. 13.
Hoist, Traveling. A. R. Logue. 1,557,070; Oct. 13.
Hollow articles, Making. J. N. Royal. 1,557,218; Oct. 13.
Hoops, Apparatus for and process of truing coopers' truss. W. O. Johnson. 1,556,996; Oct. 13.
Horns, Diaphragm for mechanical. W. H. McBarron. 1,556,704; Oct. 13.
Hose and filter holder for draw-off devices. H. D. Sterrick. 1,556,732; Oct. 13.
Hose clamp. W. T. Rutledge. 1,557,111; Oct. 13.
Hose, Extension handle for garden. P. Klinkhammer. 1,557,477; Oct. 13.
Hose protector, Air-. H. G. Davis. 1,557,033; Oct. 13.
Hot-air heater. J. W. Tolland. 1,557,118; Oct. 13.
Hydrating, beating, and refining machine. E. B. Fritz. 1,556,926–7; Oct. 13.
Hydrocarbon motor. L. M. Woolson. 1,556,662–3; Oct. 13.
Identification certificate for motor vehicles. W. C. Ayers. 1,556,895; Oct. 13.
Indicator: *See*—
Battery indicator. Stroke indicator.
Ignition apparatus. J. H. Hunt. 1,557,201; Oct. 13.
Ignition apparatus. F. C. Kroeger. 1,557,207; Oct. 13.
Ignition coil. I. J. Reuter. 1,557,501; Oct. 13.
Ignition device. C. E. Berkdoll. 1,556,901; Oct. 13.
Ignition system. A. M. Burgher. 1,556,909; Oct. 13.
Ignition-timer adjustment. C. E. Wilson. 1,557,226; Oct. 13.
Impulse transmitter of the dial type. E. Tanke. 1,556,974; Oct. 13.
Inductance and coupler, Variable. A. J. Kloneck. 1,556,612; Oct. 13.
Inking device. W. Clark. 1,556,758; Oct. 13.
Inkstand. H. Chilingirian. 1,557,021; Oct. 13.
Innersole. T. M. Gynan. 1,556,685; Oct. 13.
Inner tube. A. Volence. 1,557,122; Oct. 13.
Insulator connecter. E. B. Rose. 1,557,094; Oct. 13.
Instrument light. R. W. Griffith and S. N. Hope. 1,557,045; Oct. 13.
Interlocking mechanism. C. W. Wyman. 1,556,829; Oct. 13.
Internal-combustion engine. B. G. Boswell. 1,557,016; Oct. 13.
Internal-combustion engine. P. L'Orange. 1,556,859; Oct. 13.
Internal-combustion engine, Two-stroke-cycle. H. P. Schuttler. 1,556,637; Oct. 13.
Iodine, Composition adapted to generate free. W. C. Moore. 1,557,266; Oct. 13.
Iron: *See*—
Waffle iron.
Ironing board. J. W. Brinson. 1,557,411; Oct. 13.
Irons and the like, Safety device for electric. N. A. Curtiss. 1,556,762; Oct. 13.
Jack: *See*—
Ladder jack. Vehicle jack.
Pump jack.
Jack. C. C. Madsen and J. A. Kaltoft. 1,556,947; Oct. 13.
Jar opener, Fruit-. M. L. Hodge. 1,556,821; Oct. 13.
Jars, Device for closing preserve. O. Voigt. 1,556,981; Oct. 13.
Jewelry clasp. H. Backert. 1,557,133; Oct. 13.
Joint: *See*—
Ball joint. Universal joint.
Journal-bearing casing. C. Bethel. 1,557,008; Oct. 13.
Kettle furnace. W. A. Lee. 1,557,068; Oct. 13.
Kiln, Rotary. M. Vogel-Jörgensen. 1,557,475; Oct. 13.
Kit, Lunch. J. G. Nikart. Re16,185; Oct. 13.
Knife, Table. C. H. and F. P. Hemming. 1,556,989; Oct. 13.
Knitting machine, Selective-thread-feeding mechanism for circular-. H. L. Munz. 1,556,867; Oct. 13.
Lacing-stud-setting machine. A. R. Havener. 1,557,050; Oct. 13.
Ladder, Folding. J. Videtta. 1,557,490; Oct. 13.
Ladder jack. S. C. Tussing. 1,557,278; Oct. 13.
Lamp standard. F. Schueler. Des. 68,494; Oct. 13.
Lamp-supporting and fender-tie-rod mechanism, Combined. E. W. Seaholm. 1,556,881; Oct. 13.
Lamp, Vehicle. W. D'A. Ryan. Re16,186; Oct. 13.
Latch. F. Soley. 1,557,374; Oct. 13.
Latch, Disconnecting switch. L. B. Chubbuck. 1,557,024; Oct. 13.
Lathe attachment. H. C. Mall. 1,556,949; Oct. 13.
Laundry markers, Tool for applying and removing. E. Lane. 1,557,370; Oct. 13.
Lawn mower. A. Johnston. 1,556,997; Oct. 13.
Leather-degreasing process. A. J. Hanglin. 1,556,598; Oct. 13.





Leather-graining machine. G. S. Neeley. 1,557,186; Oct. 13.
Leather-tanning compound. G. W. Langley and A. A. Howell. 1,557,174; Oct. 13.
Light: *See*—
Instrument light.
Light and traffic signal, Combined parking. A. Kerr. 1,557,084; Oct. 13.
Lime, Producing and seasoning hydrated. D. R. Bone, sr. 1,556,670; Oct. 13.
Liquid containers, Closure for. J. A. Jones. 1,556,938; Oct. 13.
Liquid-fuel burner. L. G. Daniels. 1,557,493; Oct. 13.
Liquid-fuel burners, Air distributor for. L. S. Chadwick. 1,556,587; Oct. 13.
Lock: *See*—
Cabinet lock. Sash lock.
Can lock. Seal lock.
Combination lock. Tire-chain lock.
Nut lock.
Lock. D. P. Haynes. 1,556,687; Oct. 13.
Lock. E. N. Jacobi and F. W. Lawrence. 1,556,606; Oct. 13.
Lock. G. S. Hill and A. C. Saxton. 1,556,818; Oct. 13.
Lock device. B. A. Booth. 1,556,580; Oct. 13.
Locomotive rod and counterbalance mechanism. W. E. Woodward. 1,556,739; Oct. 13.
Locomotive trucks, Safety device for. H. S. Johnson. 1,556,839; Oct. 13.
Loom. C. J. Nauen. 1,557,315; Oct. 13.
Looms, Attachment for. A. J. Astle. 1,557,002; Oct. 13.
Looms, Warp stop mechanism for. G. W. Reid and A. Durand. 1,556,807; Oct. 13.
Looms, Warp stop mechanism for. M. L. Stone. 1,556,809; Oct. 13.
Loop drier. F. Kershaw and A. O. Hurxthal. 1,557,368; Oct. 13.
Loud speaker. L. Stevens. Des. 68,500; Oct. 13.
Loud-speaking apparatus, Electrodynamic. E. Gerlach. 1,557,356; Oct. 13.
Lubricator: *See*—
Spindle lubricator.
Luggage carrier. I. A. Hills. 1,556,601; Oct. 13.
Machines and wagons, Hitch for. C. L. Haseltine. 1,557,456; Oct. 13.
Magneto and starter unit, Combined. R. Chilton. 1,557,418; Oct. 13.
Manhole or like structure. A. B. Fey. 1,556,596; Oct. 13.
Manure loader. T. A. Williamsen. 1,557,512; Oct. 13.
Map. K. G. Karsten. 1,556,609; Oct. 13.
Marcel waver. P. L. Robison. 1,556,958; Oct. 13.
Marking device. D. W. Glasgow. 1,556,782; Oct. 13.
Massage apparatus. C. W. Cheney. 1,557,417; Oct. 13.
Mat: *See*—
Traction mat. Vehicle mat.
Match boxes, Sanding mechanism for. W. J. Elder and C. N. Morehouse. 1,557,443; Oct. 13.
Measuring machines, Mechanism for insuring correct starting point in fabric- J. L. Wheeler and E. T. Nugent. 1,556,736; Oct. 13.
Mechanical element and making same. J. McIntosh and J. M. Taylor. 1,557,302; Oct. 13.
Melting pot, Electrically-heated. G. O. Cromwell. 1,557,142; Oct. 13.
Metal containers, Making. J. P. Walker. 1,556,651; Oct. 13.
Metal particles from sand and ore pulps, Apparatus for separating fine. F. S. Morgan. 1,557,499; Oct. 13.
Metallic bodies, Increasing the strength of. H. Kändler. 1,557,367; Oct. 13.
Metallic clip. P. Satterlee. 1,556,635; Oct. 13.
Metallic composition to metal members, Securing a. E. C. Lipps. 1,556,702; Oct. 13.
Meter: *See*—
Gas meter. Power-factor meter.
Meters, Hanger structure for. F. E. Stevens. 1,557,376; Oct. 13.
Mill: *See*—
Attrition mill.
Milling machine, Contour-. E. H. Wray. 1,556,741; Oct. 13.
Mine gates, Safety catch for. G. E. Huttle. 1,556,690; Oct. 13.
Mines, Dusting coal. W. J. Reid. 1,556,879; Oct. 13.
Mirror or similar article, Back of a. C. F. Bostock. Des. 68,421; Oct. 13.
Mixing device. G. J. McCarthy. 1,557,261; Oct. 13.
Mixing device. O. Harris. 1,557,362; Oct. 13.
Moisture, Compositions for preventing accumulation of. R. V. Ridgely. 1,556,714; Oct. 13.
Molding and welding, Method and apparatus for. W. L. Gross. 1,557,453; Oct. 13.
Molding core and method. T. E. Murray. 1,556,869; Oct. 13.
Molding flask. J. R. McWane. 1,557,072; Oct. 13.
Molding glass, Apparatus for. A. P. Vollmar. 1,557,504; Oct. 13.
Molding machine. C. L. Lee. 1,556,699; Oct. 13.
Molding machine. P. S. Menough. 1,557,306; Oct. 13.
Molding machine. F. K. Vial. 1,556,980; Oct. 13.
Mortar stringer. L. Landkamer. 1,556,616; Oct. 13.
Motion, Mechanical. M. H. Loughridge. 1,557,069; Oct. 13.
Motor: *See*—
Current motor. Pneumatic motor.
Electric motor. Railway motor.
Gasoline motor. Tide motor.
Hydrocarbon motor.
Motor-control system. G. E. King. 1,557,065; Oct. 13.
Motor for small craft, Outboard. L. J. Johnson. 1,557,253; Oct. 13.
Motor-load-controlling device. R. Conrader. 1,557,427; Oct. 13.
Motor-load-controlling device, Electric-. R. Conrader. 1,557,428; Oct. 13.
Motor-operated drill. G. Juresisin. 1,557,366; Oct. 13.
Motor reverse control. E. F. Gwynn and H. H. James. 1,557,047; Oct. 13.
Motors, Air cooler for. A. Roeder. 1,557,337; Oct. 13.
Mouthpiece, Adjustable. S. S. Smith. 1,556,729; Oct. 13.
Muffler or silencer. A. A. Hillding. 1,556,934; Oct. 13.
Musical wind instrument. L. R. Mann and D. I. Bohn. 1,556,950; Oct. 13.
Nonferrous metals, Melting and refining of. D. Cushing. 1,556,591; Oct. 13.
Nut lock. J. Grimm. 1,557,361; Oct. 13.
Oil can. G. W. Wilkin. 1,557,127; Oct. 13.
Oil separator. W. B. Smith. 1,557,103; Oct. 13.
Oil vapors, Apparatus for treatment of hydrocarbon. F. Lamplough. 1,557,478; Oct. 13.
Optical instrument. H. C. Rees. 1,557,328; Oct. 13.
Optical instrument. J. C. Sabel. 1,557,503; Oct. 13.
Ores, Reducing. W. E. Trent. 1,557,107; Oct. 13.
Overload release coupling. L. E. Conner. 1,557,141; Oct. 13.
Oxidation at high temperatures, Material for resisting. R. F. Flintermann. 1,556,776; Oct. 13.
Oxyacetylene or like blowpipe. E. Royer. 1,556,880; Oct. 13.
Package for dates, figs, candies, and like products. K. G. Karsten. 1,556,608; Oct. 13.
Package, Staple. M. Vogel. 1,557,121; Oct. 13.
Packaging apparatus. G. J. Huntley. 1,556,837; Oct. 13.
Packaging apparatus. F. L. Lloyd. 1,556,857; Oct. 15.
Packeting tea or the like. S. Cooper. 1,557,032; Oct. 13.
Packing. W. A. Minor. 1,556,628; Oct. 13.
Packing ring. T. C. Du-So. 1,557,439; Oct. 13.
Pad. W. E. Nicklin. 1,556,873; Oct. 13.
Paint and varnish remover and process. C. A. King and C. M. Warlick. 1,556,694; Oct. 13.
Paper and plaster-foundation supporting device. G. L. Woodjard. 1,557,228; Oct. 13.
Paper, Apparatus for producing crinkled. E. Klepper. 1,556,844; Oct. 13.
Paper-drying machine. H. F. Dunbar. 1,556,918; Oct. 13.
Paper hanger. H. Vallos. 1,557,487; Oct. 13.
Paper holder, Packer's collapsible. W. H. Hardy. 1,556,789; Oct. 13.
Peanut sheller. S. N. Scarborough. 1,557,098; Oct. 13.
Pen, Fountain. H. Gornell. 1,557,357; Oct. 13.
Pencil, Mechanical. J. G. Liddell. 1,556,701; Oct. 13.
Pens, pencils, and the like, Safety clip for. M. Mostkoff. 1,557,267; Oct. 13.
Phone attachment, Ear-. J. E. Wood. 1,556,661; Oct. 13.
Phonographs, Electrical reproducer for. E. T. Jones. 1,557,529; Oct. 13.
Photographic light-timing device. A. T. Koppe. 1,556,845; Oct. 13.
Photographic objectives, Softening the contours of the images of. F. Weidert. 1,556,982; Oct. 13.
Photographic-printing-frame easel. A. Montigny. 1,557,468; Oct. 13.
Photographic-printing machine. F. J. Lyans. 1,557,301; Oct. 13.
Photomechanical printing plates, Producing. A. Galetzka. 1,557,354; Oct. 13.
Piano attachment. M. R. Euller. 1,557,445; Oct. 13.
Picker: *See*—
Cotton picker. Fruit picker.
Picture frame. G. H. Nevius. Des. 68,491; Oct. 13.
Picture machine, Moving-. G. W. Bingham. 1,556,903; Oct. 13.
Picture-projecting machine. W. E. Johnston. 1,557,295; Oct. 13.
Picture-projecting machine, Motion-. P. Roble. 1,557,334; Oct. 13.
Pie rimming and pinching machine. W. Ehrlich. 1,557,441; Oct. 13.
Pile cutter. J. Schumacher. 1,557,345; Oct. 13.
Pile-driving machine. M. C. Dunsmore and D. C. Paterson. 1,557,145; Oct. 13.
Pin setter, Automatic. C. Lorenz and E. Kunish. 1,557,177; Oct. 13.
Pipe: *See*—
Bubble pipe.
Pipe. H. Luchow. 1,556,945; Oct. 13.
Pipe connection. R. R. Banta. 1,556,745; Oct. 13.
Pipe stem, Tobacco-. C. W. Fischer. 1,557,351; Oct. 13.
Pipe windshield, Smoker's-. A. E. Schoning. 1,557,482; Oct. 13.
Pistol-holding device. J. R. Sander. 1,557,339; Oct. 13.
Piston construction. J. H. Ryalls. 1,556,634; Oct. 13.
Piston ring. S. La Bonsky. 1,557,256; Oct. 13.
Piston ring. W. Sudekum. 1,557,379; Oct. 13.

Piston-ring rough-grinding machine. C. E. Johnson. 1,556,995; Oct. 13.
Plane, Carpenter's. M. E. Kenney. 1,557,204; Oct. 13.
Plant duster. J. Z. Tow and S. Olwovitch. 1,557,106; Oct. 13.
Plaster board. M. K. Armstrong. 1,556,575; Oct. 13.
Plastic composition. M. Skolnik. 1,556,641; Oct. 13.
Plate or similar article. E. M. Bottome. Des. 68,425; Oct. 13.
Plate or similar article. T. Kotato. Des. 68,440–83; Oct. 13.
Playing cards. J. Horowitz. 1,557,284; Oct. 13.
Plectrum, Instrument. W. F. and B. N. Kimball. 1,557,476; Oct. 13.
Plowpoint. J. W. Blankenship. 1,557,408; Oct. 13.
Plug remover, Connecting-. F. Thornton, jr. 1,557,105; Oct. 13.
Plug-tripping device. O. A. Colby. 1,557,029; Oct. 13.
Plumber's furnace. C. Stichler. 1,556,644; Oct. 13.
Pneumatic motor. F. J. Powell. 1,557,326; Oct. 13.
Polishing device, Shoe-. C. Blumel. 1,557,012; Oct. 13.
Postage meters, etc., Multiple die for. A. H. Pitney. 1,557,086; Oct. 13.
Pot: *See*—
Melting pot.
Poultry fountain. R. W. Ryon. 1,557,502; Oct. 13.
Poultry roost. G. H. Blinn. 1,557,236; Oct. 13.
Power control, Pneumatic. J. T. Crowley. 1,556,590; Oct. 13.
Powder-dispensing device. J. Secrist. 1,557,273; Oct. 13.
Power-factor meter. R. D. Evans. 1,557,038; Oct. 13.
Press: *See*—
Drawing press. Printing press.
Press. W. C. Marshall. 1,556,795; Oct. 13.
Pressing machine. G. O. Pomeroy. 1,556,625; Oct. 13.
Pressure gauge. J. R. Padesky. 1,556,877; Oct. 13.
Printing machine. E. Grosse. 1,556,787; Oct. 13.
Printing press. F. P. Rosback. 1,556,961; Oct. 13.
Printing presses, Gripping mechanism for. S. H. Plum, 2d, and P. L. Sibole. 1,557,087; Oct. 13.
Printing presses, Inking roller for. W. C. Hart. 1,557,281; Oct. 13.
Printing sheet material. H. G. F. Lauten. 1,557,461; Oct. 13.
Profiling machine. J. J. La Ducer. 1,556,852; Oct. 13.
Profiling machine. H. B. Scott. 1,556,722; Oct. 13.
Propeller. M. Henderson. 1,556,791; Oct. 13.
Propeller and the like, Metal air. H. Leitner. 1,557,311; Oct. 13.
Protective tip. F. Selig. 1,556,966; Oct. 13.
Pruning shears. L. J. Barrett. 1,557,401; Oct. 13.
Psychrometer, Sling. W. B. Hodge. 1,557,163; Oct. 13.
Puller: *See*—
Cork puller.
Pulverizing machine. E. H. Elzemeyer. 1,557,444; Oct. 13.
Pump. C. Dix. 1,557,436; Oct. 13.
Pump, Centrifugal. A. R. Wilfley. 1,556,656–7; Oct. 13.
Pump, Deep-well. D. F. Johns. 1,557,294; Oct. 13.
Pump, Hydraulically-operated deep-well. J. H. Suter. 1,557,116; Oct. 13.
Pump jack, Pull-rod. J. H. Holmgreen. 1,556,832; Oct. 13.
Pump, Oil. J. E. Canoose. 1,556,912; Oct. 13.
Pump, Sirup. C. L. Bastian and C. G. Johnson. 1,556,898; Oct. 13.
Pump, Vacuum. V. Rosenhagen. 1,556,631; Oct. 13.
Pumping apparatus. G. A. Buvinger and C. Warner. 1,557,193; Oct. 13.
Pumping apparatus. R. L. Lee. 1,557,211; Oct. 13.
Pumping apparatus. C. Warner. 1,557,222–4; Oct. 13.
Pumping outfit. C. McKissick. 1,556,862; Oct. 13.
Pumps, Sand and gravel separator attachment for. C. H. Perry. 1,557,323; Oct. 13.
Punch-cutting machine. M. C. Indahl. 1,556,691; Oct. 13.
Punch presses, Safety control for. E. M. Polk. 1,556,954; Oct. 13.
Punching machines, Spacing table for metal-sheet-. J. A. Dowd and J. A. Dowd, jr. 1,557,438; Oct. 13.
Radiator. A. B. Modine. 1,557,467; Oct. 13.
Radiator core, Tubular. A. B. Modine. 1,557,466; Oct. 13.
Radioantennæ, Support for. D. H. Shallcross. 1,556,725; Oct. 13.
Radiocoils, Device for winding. F. Bittner. 1,557,407; Oct. 13.
Radio loud speaker. T. Borz. Des. 68,420; Oct. 13.
Radioreceiver and electric lamp, Combined. J. A. Collette. Des. 68,428; Oct. 13.
Radioproducer. M. C. Rypinski. Des. 68,493; Oct. 13.
Radiosignals employing undamped waves, Transmission of. R. B. Woolverton. 1,556,740; Oct. 13.
Rail anchor. F. W. Baumann. 1,556,748; Oct. 13.
Rail brace. E. B. Rutledge. 1,557,095; Oct. 13.
Railway motor. R. E. Hellmund. 1,557,051; Oct. 13.
Railway-roadbed working tool. C. Jackson. 1,556,605; Oct. 13.
Railway tie. E. Perry. 1,556,805; Oct. 13.
Railway-track construction. G. E. Copeland. 1,557,429; Oct. 13.
Rams, Controlling device of hydraulic. F. Stoffer. 1,557,377; Oct. 13.
Razor-blade holder, Safety-. C. R. Ladeveze. 1,556,613; Oct. 13.
Receptacle charger. W. O. Melton. 1,557,180; Oct. 13.
Receptacles, Machine for automatically hinging the bodies and covers of. M. Kugel. 1,557,539; Oct. 13.
Red lead, Manufacturing. H. Hocking. 1,556,820; Oct. 13.
Reel. F. H. Nullmeyer. 1,557,319; Oct. 13.
Reflector. G. De Bellis. Des. 68,432; Oct. 13.
Reflector. J. R. Stoney. 1,557,277; Oct. 13.
Refrigerating apparatus. E. J. Brunning. 1,557,192; Oct. 13.
Refrigerating apparatus. H. B. Hull. 1,556,680; Oct. 13.
Refrigerating apparatus. H. B. Hull. 1,557,200; Oct. 13.
Refrigerating apparatus. R. G. Osborn. 1,556,708; Oct. 13.
Refrigeration. W. J. Taylor. 1,556,734; Oct. 13.
Refrigerator car. D. L. Reynolds. 1,557,190; Oct. 13.
Register: *See*—
Cash register.
Regulator: *See*—
Spring regulator.
Relay. H. H. Harbecke. 1,556,599; Oct. 13.
Resin coating composition, Synthetic. C. Ellis. 1,557,519; Oct. 13.
Resistant glass, Manufacturing. V. Horák. 1,557,540; Oct. 13.
Retinoscope. H. Clement and E. L. Ryer. 1,556,914; Oct. 13.
Retort. W. H. Alcorn. 1,556,894; Oct. 13.
Retort oven, Cooking-. J. Becker. 1,556,749; Oct. 13.
Rewinding device. E. Fulda. 1,557,450; Oct. 13.
Rims, Machine for sizing, cupping, and punching. H. W. Kranz. 1,556,847; Oct. 13.
Ring: *See*—
Packing ring. Piston ring.
Rivet furnace, Electric. A. M. MacFarland. 1,557,074; Oct. 13.
Rivet heater, Electric. O. A. Colby. 1,557,026; Oct. 13.
Riveting machines, Lifting attachment for. D. Kennedy. 1,556,6[illegible]; Oct. 13.
Roller: *See*—
Child's road roller. Shade roller.
Roof. H. Abraham. 1,557,392; Oct. 13.
Root cutter. B. F. Dupont. 1,556,771; Oct. 13.
Rope carrier, Fall-. J. T. Horton. 1,556,602; Oct. 13.
Rotary cutter. J. W. Lee. 1,557,209; Oct. 13.
Rotary engine. C. L. Kinder. 1,556,843; Oct. 13.
Safety plug. E. M. Grandfield. 1,557,250; Oct. 13.
Safety switch. O. S. Jennings. 1,557,057; Oct. 13.
Safety switch, Starting. O. S. Jennings. 1,557,056; Oct. 13.
Sand cores from hollow drill rod by sand blast, Apparatus for removing. P. A. E. Armstrong. 1,557,131; Oct. 13.
Sash lock, Springless automatic. J. L. Powell. 1,557,327; Oct. 13.
Sash lock, Window. J. O. Meerbott. 1,557,305; Oct. 13.
Saw bow. H. O. Nichols. 1,556,871; Oct. 13.
Saw-filing device. J. Glang. 1,557,494; Oct. 13.
Saw mechanism, Crosscut-. F. J. Greene. 1,557,360; Oct. 13.
Saw, Motor-driven chain. R. F. Boerner. 1,557,238; Oct. 13.
Saw swage. J. Ricker. 1,557,090; Oct. 13.
Scale, Weighing. H. O. Hem. 1,556,933; Oct. 13.
Scales in boilers and for removing scales already existing, Preventing the formation of hard. J. Sichert. 1,557,349; Oct. 13.
Scraper. G. T. Ronk. 1,556,959; Oct. 13.
Scraper and snowplow, Road. C. A. Kalina. 1,557,169; Oct. 13.
Screen: *See*—
Headlight screen.
Screens for luminous projections, Preparation of metallic. P. J. Martin. 1,557,530; Oct. 13.
Seal lock. E. A. Conaway. 1,557,030; Oct. 13.
Sealing compositions comprising sulphur-bonded fibrous material. F. A. Adamski. 1,557,231; Oct. 13.
Seat: *See*—
Window seat.
Seed dispenser, Combination. J. A. Burcham. 1,557,019; Oct. 13.
Seed. Machine for sowing. G. Kühne. 1,556,850; Oct. 13.
Sensitized element and mounting therefor. F. Schwanhausser. 1,557,346; Oct. 13.
Separating materials. T. M. Chance. 1,556,676; Oct. 13.
Separator: *See*—
Oil separator.
Septic tank and like construction. F. R. Hahn. 1,557,523; Oct. 13.
Settling and separating apparatus. B. Sandmann. 1,557,340; Oct. 13.
Sewing-machine guard. H. Weintraub and I. Seitman. 1,556,983; Oct. 13.
Sewing machines, Motor attachment for. F. F. Hillix. 1,556,688; Oct. 13.
Sewing machines, Thread-controlling mechanism for. J. Berger. 1,557,135; Oct. 13.
Sewing machines, Thread-trimming device for buttonhole-. F. A. Reece. 1,556,630; Oct. 13.
Shackle, Spring. F. Sergardi. 1,557,219; Oct. 13.





Shade bracket. W. P. Talbot. 1,556,733; Oct. 13.
Shade roller. V. Johansen. 1,557,058; Oct. 13.
Shaft and detachable gear. W. H. Schulze. 1,557,099; Oct. 13.
Sharpening pencils, Device for. J. J. Böhm. 1,556,669; Oct. 13.
Shears: *See*—
Pruning shears.
Shears. C. Driest, jr. 1,556,769–70; Oct. 13.
Shears. R. W. Moses. 1,556,800; Oct. 13.
Sheet and plate piling device. K. Kronborg. 1,556,695; Oct. 13.
Shell and bomb. H. Newton. 1,557,082; Oct. 13.
Sheller: *See*—
Peanut sheller.
Shield, Expansion. C. C. Tomkinson. 1,557,119; Oct. 13.
Shingle-strip cutter. H. Abraham. 1,557,391; Oct. 13.
Shipping device. C. H. Fennell. 1,557,449; Oct. 13.
Shock absorber. M. A. C. Johnson and H. C. Fisher. 1,557,497; Oct. 13.
Shock absorber. N. F. McNaught. 1,557,463; Oct. 13.
Shock absorber. R. M. Lovejoy. 1,557,298–9; Oct. 13.
Shock absorber, Fluid double-action. S. P. Bennett. 1,557,007; Oct. 13.
Shock absorber for vehicle springs. F. W. Ryan. 1,557,096; Oct. 13.
Shock absorber, Hydraulic. R. E. Helfinstine. 1,556,790; Oct. 13.
Shock absorbers, Dust guard for. H. H. Logan. 1,557,314; Oct. 13.
Shoe. T. Davis. Des. 68,431; Oct. 13.
Shoe, Athletic. D. J. Golden. 1,557,157; Oct. 13.
Short-circuiting device. J. L. Brown. 1,557,018; Oct. 13.
Short-circuiting device. W. H. Himes. 1,557,052; Oct. 13.
Short-circuiting device. H. D. Murdock. 1,557,080; Oct. 13.
Sickle guard. L. A. Larsen. 1,557,258; Oct. 13.
Side-door construction. C. E. Eklind and W. W. Darrow. 1,556,593–4; Oct. 13.
Sign character, Luminous. R. Schulz. 1,556,636; Oct. 13.
Signal: *See*—
Automobile signal. Traffic signal.
Signal. G. Jacobs. 1,557,291–2; Oct. 13.
Signaling device. W. Burtenshaw. 1,557,472; Oct. 13.
Signaling system. C. E. Beach. 1,557,404–5; Oct. 13.
Signaling system. Q. A. Brackett. 1,557,017; Oct. 13.
Signaling system. A. A. Clokey. 1,557,420; Oct. 13.
Siphon in liquid-fuel-burning systems, Method and apparatus for controlling the. L. R. Van Sant. 1,557,488; Oct. 13.
Skates, Scabbard for ice. J. B. Carey. 1,557,415; Oct. 13.
Slide closure, Multiple-. G. Sundback. 1,557,382; Oct. 13.
Snap fastener. J. Wiehn. 1,557,125; Oct. 13.
Snowplow. E. H. Fahrney. 1,557,440; Oct. 13.
Soap tablet and making same. C. J. Atkinson. 1,556,576; Oct. 13.
Soldering compound. J. C. Shotton. 1,557,348; Oct. 13.
Sole, Emergency. B. L. Abrams. 1,557,393; Oct. 13.
Sorting machine. D. W. Wadsworth. 1,557,505; Oct. 13.
Sound producer. H. C. Hayes. 1,557,161; Oct. 13.
Sound-reproducing instruments, Record repeater for. R. Blaschke. 1,556,667; Oct. 13.
Sound-reproducing instruments, Record repeater for. R. Blasch. 1,556,668; Oct. 13.
Sound-wave translating device. J. Slepian. 1,557,101; Oct. 13.
Spark plug. J. G. Gavlak. 1,556,779; Oct. 13.
Spectacle front frame. P. Peck. 1,557,322; Oct. 13.
Spectacle temple. G. L. Tully. 1,557,120; Oct. 13.
Speed controlling and driving apparatus for variably-loaded working machines. M. L. Borchgrevink. 1,556,671; Oct. 13.
Speed-transmission mechanism, Variable-. J. F. Defordt. 1,557,432; Oct. 13.
Speedometer attachment. R. R. Otis. 1,556,801; Oct. 13.
Spindle for merchant mills, Adjustable. H. W. Wilson. 1,556,737; Oct. 13.
Spindle lubricator. R. Biddle. 1,557,191; Oct. 13.
Spinning and like machines, Builder mechanism for. E. Hartley. 1,557,363; Oct. 13.
Splints, Mechanism for straightening and assembling. J. P. Wright. 1,557,516; Oct. 13.
Spool. W. H. Conant. 1,557,424; Oct. 13.
Spraying device, Hydropathic. W. Deehmann. 1,556,765; Oct. 13.
Spraying machine. B. B. Broadway. 1,557,412; Oct. 13.
Spring. H. T. Moore. 1,557,308; Oct. 13.
Spring-cushion construction. S. Suekoff and W. W. Gleason. 1,557,380; Oct. 13.
Spring device. R. Bobo. 1,557,237; Oct. 13.
Spring regulator. F. W. Bold. 1,556,907; Oct. 13.
Springs, Device for the automatic stoppage of spiral. E. Faraggi. 1,557,447; Oct. 13.
Sprocket wheel, Adjustable. G. E. Pritchard. 1,556,878; Oct. 13.
Stair construction. A. S. Hughes. 1,557,287; Oct. 13.
Stamp, Steel. O. F. Baughman. 1,557,403; Oct. 13.
Stapling machine. J. R. Nolan. 1,557,317; Oct. 13.
Stay, Diagonal. J. Petty. 1,557,084; Oct. 13.
Steering-gear control unit. J. Whyte. 1,556,885; Oct. 13.
Steering wheel. H. D. Geyer. 1,557,198; Oct. 13.
Steering wheel. J. B. La Pierre. 1,556,939; Oct. 13.
Steering wheel. W. S. Whittaker. 1,557,225; Oct. 13.
Step construction, Interlocked-. A. S. Hughes. 1,557,286; Oct. 13.
Step construction, Safety-tread-. A. S. Hughes. 1,557,285; Oct. 13.
Stocking. S. L. Bellemere. Des. 68,419; Oct. 13.
Stoker-driving mechanism. R. S. Riley. 1,557,091; Oct. 13.
Stop mechanism, Automatic. O. H. Hansen. 1,557,455; Oct. 13.
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Adjustable stand. Switch stand.
Axle stand.
Stopper for bottles, Measuring. W. V. Callender. 1,556,911; Oct. 13.
Stove. W. Johnston. 1,556,937; Oct. 13.
Strainer. W. T. Hulscher. 1,556,993; Oct. 13.
Stroke indicator. R. F. Hazelton. 1,557,527; Oct. 13.
Substations, Arrangement for the protection of. P. K. van der Sterr. 1,557,110; Oct. 13.
Sugar, Manufacture of grape. A. W. H. Lenders and J. M. Widmer. 1,556,854; Oct. 13.
Suitcases, valises, and the like, Carrier device for. C. Rittenhouse, jr. 1,557,271; Oct. 13.
Sun shield. P. Stern. 1,557,375; Oct. 13.
Supporting device. H. P. King. 1,557,254; Oct. 13.
Supporting frame. A. Pavenick. 1,556,624; Oct. 13.
Surface working or finishing device. H. J. S. Cross. 1,557,473; Oct. 13.
Swing. M. S. Looney. 1,557,498; Oct. 13.
Switch: *See*—
Automatic switch. Electric switch.
Change-over switch. Safety switch.
Switch. H. J. L. Frank. 1,557,353; Oct. 13.
Switch. H. E. Norviel. 1,557,215–6; Oct. 13.
Switch. S. Reynolds. 1,557,331; Oct. 13.
Switch box. H. G. Baxter. 1,557,006; Oct. 13.
Switch mechanism. H. K. Ansingh. 1,557,001; Oct. 13.
Switch socket, Pull-. C. E. Warner. 1,556,652; Oct. 13.
Switch stand. O. Wilson. 1,557,129; Oct. 13.
Switching mechanism. F. A. Lundquist and J. A. Kropp. 1,556,942; Oct. 13.
Tables, Brace for folding. J. Bateson. 1,557,402; Oct. 13.
Talk, Reduction of cross. L. Espenschied. 1,557,087; Oct. 13.
Tamping or ballasting machine. C. Jackson. 1,556,603–4; Oct. 13.
Tank cleaner and fluid circulator. A. B. Butterworth. 1,557,240; Oct. 13.
Tank-discharge device. R. Conrader. 1,556,760; Oct. 13.
Tanks, Automatic regulating device for. R. W. McMullen. 1,557,071; Oct. 13.
Tanning hides or skins. J. R. Blockey. 1,557,011; Oct. 13.
Tea strainer. M. Frank. 1,557,041; Oct. 13.
Tee, Sanitary. G. W. Wentzel. 1,557,509; Oct. 13.
Telegraph instrument. J. J. Ghegan. 1,557,155; Oct. 13.
Telegraph relay and telephone, Combined. W. R. Garner. 1,557,247; Oct. 13.
Telephone exchange, Automatic. A. E. Keith and J. and C. J. Erickson. 1,556,999; Oct. 13.
Telephone signaling equipment. L. F. Morehouse. 1,557,079; Oct. 13.
Telephone system. L. D. Kellogg. 1,556,842; Oct. 13.
Telephone system, Automatic and semiautomatic. D. A. Christian. 1,556,987; Oct. 13.
Telephone system, Automatic. W. A. Benson. 1,556,751; Oct. 13.
Telephone system, Automatic. F. T. Madsen. 1,556,793; Oct. 13.
Telephone system, Measured-service. F. T. Madsen. 1,556,948; Oct. 13.
Telephone systems, Traffic recorder for. A. B. Smith. 1,556,727; Oct. 13.
Textile fabric. R. J. Murray. Des. 68,490; Oct. 13.
Textile fabric. E. Schurman. Des. 68,495–9; Oct. 13.
Textile fabric and manufacturing the same. C. Balay. 1,557,398; Oct. 13.
Thermal relay and cut-out. N. K. Andersen. 1,556,573; Oct. 13.
Thermostatic device. G. H. Whittingham. 1,557,535; Oct. 13.
Thread cutter, Shuttle-feeler. A. E. Rhoades. 1,556,808; Oct. 13.
Tide motor. G. Ortgier. 1,556,876; Oct. 13.
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Tire-chain-fastener clamp. A. D. Griffin. 1,557,495; Oct. 13.
Tire-chain lock. H. J. Kellen. 1,557,171; Oct. 13.
Tire chains, Attaching device for. G. H. Duke. 1,556,919; Oct. 13.
Tire, Cushion. S. Pestunowitz. 1,557,324; Oct. 13.
Tire fabric and making the same, Cord-. R. B. Respess. 1,557,329; Oct. 13.
Tire-making machine. C. Spreckels and H. I. Morris. 1,556,969; Oct. 13.

Tire, Noninflatable. H. M. Dodge. 1,557,437; Oct. 13.
Tire protector, Auto. T. H. Kruse. 1,556,849; Oct. 13.
Tire tread. J. M. Cranz. Des. 68,429–30; Oct. 13.
Tires, Product for automatically sealing punctures in pneumatic. E. J. Houdry. 1,556,834; Oct. 13.
Toaster, Automatic. H. S. Wilson. 1,557,513; Oct. 13.
Toaster handle. O. A. Colby. 1,557,028; Oct. 13.
Toaster-tray button. O. A. Colby and C. Aalborg. 1,557,027; Oct. 13.
Tobacco-moistening means. J. A. Marshall. 1,556,951; Oct. 13.
Toggle. E. B. Ayres and C. S. Morrison. 1,557,396; Oct. 13.
Tool, Combination. P. W. Hallverson. 1,556,788; Oct. 13.
Tool, Multiform. P. M. Burman. 1,556,755; Oct. 13.
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Toothbrush. N. T. Domínguez. 1,557,244; Oct. 13.
Toy. A. L. Manson. 1,556,794; Oct. 13.
Toy. E. H. Parke. 1,557,321; Oct. 13.
Toy gun. K. Kovacs. 1,556,846; Oct. 13.
Toy, Mechanical. F. Strauss. 1,556,647; Oct. 13.
Toy vehicle. E. C. von Glahn and E. K. Peck. Des. 68,501; Oct. 13.
Track liner. J. F. Elliott. 1,556,681; Oct. 13.
Traction mat. R. J. Reaney. 1,556,629; Oct. 13.
Traction wheel. K. E. Schuetz. 1,557,343; Oct. 13.
Tractor, Hoist attachment for. H. S. Myers. 1,557,470; Oct. 13.
Tractor lawn mower. F. M. Seeley. 1,556,965; Oct. 13.
Traffic signal. G. L. Estes. Des. 68,433; Oct. 13.
Traffic signal, Flash-light. J. M. Lovaas. 1,556,860; Oct. 13.
Traffic stop. A. W. Briggs. 1,557,536; Oct. 13.
Trailer hitching device. A. Knepper. 1,557,173; Oct. 13.
Transformer structure. S. Horelick. 1,557,283; Oct. 13.
Transit. P. B. Anderson. 1,557,233; Oct. 13.
Translucent materials, Device for measuring the opacity of. V. C. de Ybarrondo. 1,556,766; Oct. 13.
Transmission. E. Buckingham. 1,556,766; Oct. 13.
Transmission bands, Detachable ear for. E. F. Kelley. 1,557,063; Oct. 13.
Transmission-housing support. G. C. Goode. 1,557,452; Oct. 13.
Transmission mechanism. E. K. Standish. 1,556,971; Oct. 13.
Transmitting and receiving arrangement, Combined. L. Kühn. 1,557,067; Oct. 13.
Trap. F. S. Graham. 1,557,043; Oct. 13.
Traveling apron. H. M. Smith. 1,556,728; Oct. 13.
Tray, Distributing. C. M. Gardner. 1,556,684; Oct. 13.
Tray support for automobiles, Serving-. J. E. McGee. 1,557,262; Oct. 13.
Tread wheel, Yieldable-. D. S. Bronson. 1,557,413; Oct. 13.
Tree carrier. E. D. Williamson. 1,556,659; Oct. 13.
Trial frame. C. Sheard. 1,557,347; Oct. 13.
Truck. R. C. Clapp. 1,557,195; Oct. 13.
Truck, Elevating. F. L. Eidmann. 1,556,920; Oct. 13.
Truck, Industrial. W. C. Carr. 1,556,586; Oct. 13.
Truck, Radiator-transporting. O. H. Schuh. 1,557,344; Oct. 13.
Truck, Railway. W. F. Rockwell. 1,557,336; Oct. 13.
Tube: *See*—
Inner tube.
Tubing and apparatus therefor, Forming. W. S. Pritchard. 1,556,627; Oct. 13.
Tunnel, furnace, kiln, oven, and the like. H. Francart. 1,557,040; Oct. 13.
Turntable. M. L. Hoeffken. Re16,184; Oct. 13.
Typecasting machines, Matrix-case equipment for. F. H. Pierpont. 1,556,709; Oct. 13.
Type-composing stick. W. H. Storey. 1,556,646; Oct. 13.
Type matrices, Equipment for handling. F. H. Pierpont. 1,556,710; Oct. 13.
Typewriter attachment. H. E. West. 1,557,510; Oct. 13.
Typewriting machine. C. T. Miller, jr. 1,557,076; Oct. 13.
Universal joint. W. H. Kadesch. 1,556,840; Oct. 13.
Unloader mechanism. R. Conrader. 1,557,426; Oct. 13.
Upholstery edge. H. Siskin. 1,557,483; Oct. 13.
Valve. C. M. Kruger. 1,556,848; Oct. 13.
Valve. C. W. Larner. 1,557,175; Oct. 13.
Valve. P. B. Parks and J. Van Vulpen. 1,556,804; Oct. 13.
Valve and making same. R. Chilton. 1,557,022; Oct. 13.
Valve for oil receptacles, Drain. G. Tolk and A. H. Rosenbaum. 1,557,390; Oct. 13.
Valve for use with barrels. S. H. Gibson. 1,557,451; Oct. 13.
Valve, Gas. J. H. Lindsay. 1,557,313; Oct. 13.
Valve-grinding outfit. W. Ritchie. 1,556,956; Oct. 13.
Valve mechanism, Pressure-controlled. R. Conrader. 1,557,425; Oct. 13.
Valve, Mixing. W. J. Rouleau. 1,556,632; Oct. 13.
Valve-operating mechanism for regenerative furnaces. C. P. Turner. 1,556,811; Oct. 13.
Valve-operating mechanism, Rocker arm for. A. P. Brush. 1,556,986; Oct. 13.
Valve-seating machine. A. H. Schaefer. 1,557,272; Oct. 13.
Valve structure for engines, Rotary. P. G. Frazier. 1,557,245; Oct. 13.
Valve, Variable-control. G. S. Lane. 1,556,614; Oct. 13.
Valves of regenerative furnaces, Mechanism for operating the reversing. C. P. Turner. 1,556,810; Oct. 13.
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Vapor-disposal apparatus. W. H. Eichelman. 1,557,442; Oct. 13.
Vegetable milk, Preparation of a. G. D. Thévenot. 1,556,977; Oct. 13.
Vehicle construction, Tank-. A. L. Wertz. 1,556,883; Oct. 13.
Vehicle jack. W. Tastenhoye. 1,557,385; Oct. 13.
Vehicle mat. A. G. Barrett and H. H. Burton. 1,557,400; Oct. 13.
Vehicle, Motor. A. Moorhouse. 1,556,707; Oct. 13.
Vehicle, Motor. H. D. Church. 1,556,677; Oct. 13.
Vehicle snubber. Z. Robinson. 1,556,717; Oct. 13.
Vehicle suspension. L. P. Halladay. 1,556,931; Oct. 13.
Vehicle top, Motor-. H. H. Seeley. 1,556,638; Oct. 13.
Vehicle wheel. W. Worthington. 1,556,888; Oct. 13.
Vehicles, Driving mechanism for motor. A. Moorhouse. 1,556,706; Oct. 13.
Vehicles, Jacking up of motor. J. F. Stevenson. 1,557,115; Oct. 13.
Vehicles, Steering mechanism for children's. W. E. McLaren. 1,557,178; Oct. 13.
Vehicles, Theft-indicating windshield for. E. H. Ives. 1,557,167; Oct. 13.
Vending machine. C. W. Boner and S. S. Osborne. 1,557,015; Oct. 13.
Vending-machine casing. B. L. Fry. Des. 68,434; Oct. 13.
Vending machine, Newspaper-. R. R. Fogelsonger. 1,556,776; Oct. 13.
Ventilating device. W. Lawrence. 1,556,618; Oct. 13.
Ventilator. R. S. Tempest. 1,556,975; Oct. 13.
Vermin exterminator. G. A. Hixson. 1,556,935; Oct. 13.
Vibrating objects. J. T. Stoney and K. Purwin. 1,556,645; Oct. 13.
Vibration apparatus, particularly for receiving and producing sound waves. W. Hahnemann. 1,557,048; Oct. 13.
Viscosimeter. F. P. Zimmerli. 1,557,517; Oct. 13.
Waffle iron. W. W. Dodge, jr. 1,556,767; Oct. 13.
Waffle iron, Electric. H. M. Biebel. 1,557,009–10; Oct. 13.
Wall-closet. C. R. Hamlin. 1,557,251; Oct. 13.
Washboard. R. M. Reel. 1,557,533; Oct. 13.
Washing machines, Vacuum cup for. W. E. Pinckney. 1,557,270; Oct. 13.
Watch-holding device. G. F. Rumberger. 1,556,963; Oct. 13.
Water engine. S. Ippolito. 1,557,290; Oct. 13.
Water-pan alarm. L. Sommer. 1,556,731; Oct. 13.
Water softener, Base-exchange. O. R. Sweeney. 1,557,117; Oct. 13.
Waters, Purifying waste. J. A. Newlands. 1,557,188; Oct. 13.
Wave filters, Terminal network for high-pass. H. W. Elsasser. 1,557,036; Oct. 13.
Weather-strip device. W. R. Wood. 1,557,227; Oct. 13.
Wedge, Automatic. L. N. Breeden. 1,556,584; Oct. 13.
Weighing scale. H. O. Hem. Des. 68,439; Oct. 13.
Well casings, Perforation cleaner for oil-. R. H. Bare and T. J. Pierce. 1,556,897; Oct. 13.
Well-drilling machine. J. M. Myers. 1,557,185; Oct. 13.
Wheel: *See*—
Disk wheel.
Sprocket wheel.
Steering wheel.
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Wheel rims, Constructing. J. W. Lee. 1,557,210; Oct. 13.
Winch, Power delivering or hoisting. H. H. White. 1,556,654; Oct. 13.
Windmill. W. M. Riggs. 1,556,715; Oct. 13.
Window-control mechanism. C. Forgerson. 1,557,150; Oct. 13.
Window seat. E. Huhn. 1,556,835; Oct. 13.
Windshields, Eye-shading attachment for. C. P. Jacobsen. 1,557,293; Oct. 13.
Wing spar, Metal. V. E. Clark and K. M. Lane. 1,556,589; Oct. 13.
Wire bands from which whalebones are made, Device for making. A. Josse. 1,557,365; Oct. 13.
Work-positioning apparatus. M. E. Fernald. 1,556,683; Oct. 13.
Wrapping machine. M. B. Ferguson. 1,557,039; Oct. 13.
Yarn-winding machines, Builder mechanism for. H. H. Burdett. 1,556,814; Oct. 13.
Yarns, Machine for curling and/or decurling. B. D. Micklethwaite. 1,557,182; Oct. 13.


# CLASSIFICATION OF PATENTS

## OCTOBER 13, 1925.

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# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A C Spark Plug Company, Flint, Mich. Air cleaners for internal-combustion engines. 204,709; Oct. 20; Serial No. 215,326; published Aug. 4, 1925.

Abbott, A. Theo., & Co., Philadelphia, Pa. Piece goods of textile fabric made of cotton satin damask. 204,556; Oct. 20; Serial No. 214,199; published July 21, 1925.

Abraham & Straus, Inc., New York, N. Y. Sheets and pillowcases. 204,613; Oct. 20; Serial No. 215,228; published Aug. 4, 1925.

Abraham & Straus, Inc., New York, N. Y. Men's, youths', and boys' coats, trousers, etc., hosiery, underwear, etc. 204,692; Oct. 20; Serial No. 210,430; published July 28, 1925.

Accro Bond Watch Company, New York, N. Y. Watches, watch dials, watchcases, and watch movements. 204,635; Oct. 20; Serial No. 214,938; published July 28, 1925.

Acme Milling Company, assignor to Acme-Evans Company, Indianapolis, Ind. Wheat flour. 48,146; renewed Dec. 12, 1925.

Advance Stove Works, Evansville, Ind. Wood and coal cooking and heating stoves, combination coal and gas ranges, and gas ranges. 204,632; Oct. 20; Serial No. 215,196; published July 28, 1925.

Altilly Ointment Co., South Bend, Ind. Ointment for the relief of piles. 204,708; Oct. 20; Serial No. 215,613; published July 28, 1925.

Amason Knitting Company, Muskegon, Mich. Knitted undergarments. 204,552; Oct. 20; Serial No. 213,880; published July 28, 1925.

American Agricultural Chemical Company, The, New York, N. Y. Poultry food. 204,608; Oct. 20; Serial No. 215,393; published Aug. 4, 1925.

American Carbonic Machinery Company, Wisconsin Rapids, Wis. Hollow casting or tank to be placed inside of small refrigerators. 204,442; Oct. 20; Serial No. 214,043; published July 28, 1925.

American Grinder Manufacturing Company, Milwaukee, Wis. Water-circulating pumps. 204,545; Oct. 20; Serial No. 209,607; published July 7, 1925.

American Grinder Mfg. Co., Milwaukee, Wis. Water-circulating pumps. 204,588; Oct. 20; Serial No. 209,606; published June 9, 1925.

American Lady Corset Co. (See Biegel, J., & Co., assignor.)

Amo, D. P., & Company, Massena, N. Y. Preparation for the relief of headache, neuralgia, colds, etc. 204,560; Oct. 20; Serial No. 214,455; published July 28, 1925.

Anaheim Orange & Lemon Association, Anaheim, Calif. Fresh citrous fruits. 204,616; Oct. 20; Serial No. 215,040; published Aug. 11, 1925.

Anheuser Busch Ice & C. S. Co. Inc., New York, N. Y. Ice cream, water ices, and sherbets. 204,695; Oct. 20; Serial No. 209,959; published July 28, 1925.

Apex Hat Frame Co., Inc., New York, N. Y. Women's hats, hat frames, and linings. 204,551; Oct. 20; Serial No. 213,679; published July 28, 1925.

Argonaut Milk Company, San Francisco, Calif. Dried milk solids in powder form. 204,567; Oct. 20; Serial No. 215,041; published July 28, 1925.

Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 204,593; Oct. 20; Serial No. 214,989; published July 28, 1925.

Ashley, A. Davis, assignor to Red Sea Balsam Co., New Bedford, Mass. Balsam. 47,787; renewed Nov. 21, 1925.

Associated Merchandising Corporation, New York, N. Y. Women's hats. 204,459; Oct. 20; Serial No. 212,880; published July 28, 1925.

Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen dress goods in the piece. 204,474; Oct. 20; Serial No. 215,840; published July 28, 1925.

Austin, Poor & Gleason Inc., New York, N. Y. Cotton piece goods. 204,640; Oct. 20; Serial No. 216,312; published Aug. 11, 1925.

Automatic Electric Company, Chicago, Ill. Automatic telephone systems. 204,430; Oct. 20; Serial No. 199,140; published July 28, 1925.

B & M Mfg. Co., Los Angeles, Calif. Audible mechanically-operated alarms and signals. 204,503; Oct. 20; Serial No. 210,782; published Aug. 4, 1925.

Baby Specialties Company. (See Harrison, Adria L.)

Bäder- u. Verkehrs-A. G., Berlin, Germany. Rheumatism salve. 204,688; Oct. 20; Serial No. 212,228; published July 28, 1925.

Bagger, Einar G., New York, N. Y. Hollow glass balls. 204,415; Oct. 20; Serial No. 197,859; published July 21, 1925.

Bagger, Einar G., New York, N. Y. Finger rings. 204,435; Oct. 20; Serial No. 196,284; published July 28, 1925.

Bakelite Corporation, New York, N. Y. Billiard and bowling balls, fishing reels, dominoes, etc. 204,540; Oct. 20; Serial No. 212,530; published Aug. 11, 1925.

Baker, A. T., & Co., Inc., Manayunk, Philadelphia, Pa. Cotton velours in the piece. 204,499; Oct. 20; Serial No. 208,551; published July 28, 1925.

Ballard & Ballard Co., Louisville, Ky. Flours and feeds. 204,508; Oct. 20; Serial No. 176,815; published Aug. 4, 1925.

Baltimore Butterine Company, The, Baltimore, Md. Oleomargarine. 204,489; Oct. 20; Serial No. 214,231; published Aug. 4, 1925.

Baltimore Copper Smelting & Rolling Company, Baltimore, Md. Copper. 47,768–9; renewed Nov. 21, 1925.

Barnard Nathan Co., New York, N. Y., assignor to C. W. Cromer, Hagerstown, Md. Hosiery. 204,404; Oct. 20; Serial No. 212,364; published July 21, 1925.

Barnes Tool Company, The, New Haven, Conn. Cutters for metal pipes. 47,914; renewed Nov. 28, 1925.

Barone, Henry, doing business as The Tamo Company, Walpole, Mass. Sirup for making nonalcoholic, malt-less beverages. 204,604; Oct. 20; Serial No. 210,264; published July 28, 1925.

Bear Medicine Company, The, Sylva, N. C. General reconstruction tonic. 204,704; Oct. 20; Serial No. 215,767; published July 28, 1925.

Bernhard, Morris, Company, New York, N. Y. Fringes, cords, tassels, cushions, etc., and other art objects for decoration. 204,678; Oct. 20; Serial No. 213,685; published July 28, 1925.

Berry, A. H., Shoe Company, Portland, Me. Ladies' leather boots and shoes. 48,000; renewed Dec. 5, 1925.

Berth-Robert Made at Home Frocks, New York, N. Y. Cut-out read-to-sew frocks. 204,557; Oct. 20; Serial No. 214,200; published July 28, 1925.

Better Tires Company, The, Chicago, Ill. Tires and tubes. 204,662–5; Oct. 20; Serial Nos. 211,004–7; published July 14, 1925.

Better Tires Company, The, Chicago, Ill. Tires and tubes. 204,666; Oct. 20; Serial No. 211,008; published July 7, 1925.

Better Tires Company, The, Chicago, Ill. Tires and tubes. 204,667–8; Oct. 20; Serial Nos. 211,009–10; published July 14, 1925.

Beyer & Company, Incorporated, Philadelphia, Pa. Dressed poultry, butter, eggs, and cheese. 204,541; Oct. 20; Serial No. 212,475; published Aug. 4, 1925.

Biles, J. W., Co., The, Cincinnati; The Ubiko Milling Company, St. Bernard, Ohio, successor. Distillers' dried grains. 48,066; renewed Dec. 5, 1925.

Black Bros. Flour Mills, Beatrice, Nebr. Wheat flour. 204,460; Oct. 20; Serial No. 214,775; published Aug. 4, 1925.

Blosser, Doctor, Company; The Blosser Co., Atlanta, Ga., successor. Medicinal preparation for catarrh, etc. 47,920; renewed Nov. 28, 1925.

Blue Ribbon Bakery. (See Eslinger, Mastin E.)

Blumenfeld, Harris, Bronx, N. Y. Insect netting. 204,687; Oct. 20; Serial No. 212,367; published July 14, 1925.

Boardman, William, & Sons Co., The, Hartford, Conn. Coffee and tea. 204,626; Oct. 20; Serial No. 216,380; published Aug. 11, 1925.

Booth Packing Company, The, branch of Gidds & Company Inc., Baltimore, Md. Tomato catchup, canned goods, and pork and beans. 204,437; Oct. 20; Serial No. 182,959; published Sept. 23, 1924.

Bradford Dyeing Association, (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 204,517–8; Oct. 20; Serial Nos. 201,283–4; published Aug. 4, 1925.

Brown, W. H., Son & Co. (See Ryan, Matthew W.)

Brownell & Field Company, Providence, R. I. Tea. 48,069; renewed Dec. 5, 1925.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard cloth. 204,531; Oct. 20; Serial No. 213,479; published Aug. 11, 1925.

Burton Bros. & Co., Inc., New York, N. Y. Fabric composed of artificial silk and cotton. 204,628; Oct. 20; Serial No. 215,891; published July 28, 1925.

Cagle, Gordon M., doing business as Sweetwater Roller Mills, Sweetwater, Tenn. Wheat flour. 204,610; Oct. 20; Serial No. 215,293; published Aug. 4, 1925.

California Fruit Growers Exchange, Los Angeles, Calif. Glass reamers for extracting fruit juices. 204,603; Aug. 20; Serial No. 214,054; published July 28, 1925.

California Preserving Company, Los Angeles, Calif. Canned fruit. 204,627; Oct. 20; Serial No. 216,320; published Aug. 11, 1925.

Calso Hood Company Ltd., The, London and Earlsdon, Coventry, England. Folding hoods for motor road vehicles. 204,424; Oct. 20; Serial No. 202,610; published July 7, 1925.

Cap Sheaf Bread Company, St. Louis, Mo. Bread. 204,516; Oct. 20; Serial No. 200,748; published Aug. 4, 1925.

Cardinell, John D., doing business as Cardinell-Sales Company, Montclair, N. J. Parlor game. 204,502; Oct. 20; Serial No. 210,443; published Aug. 4, 1925.

Carlisle, Brina M., doing business as The Sonophone Company, Brooklyn, N. Y. Toy cornets, trombones, bass horns, etc. 204,641; Oct. 20; Serial No. 216,255; published Aug. 11, 1925.

Carter Dry Goods Co., Louisville, Ky. Dress, negligee, and work shirts and overalls. 204,677; Oct. 20; Serial No. 213,691; published July 28, 1925.

Central Leather Company. (See United States Leather Company, The.)

Charter Oak Citrus Association, also doing business as San Dimas Fruit Exchange, Charter Oak, Calif. Fresh citrous fruits—namely, oranges, lemons, grapefruit. 204,538; Oct. 20; Serial No. 212,887; published July 28, 1925.

Cherokee County Farm Labor Union, Jacksonville, Tex. Fresh tomatoes. 204,496; Oct. 20; Serial No. 203,787; published Aug. 11, 1925.

Christians, H. C., Co., Johnson Creek, Wis. Eggs. 204,523; Oct. 20; Serial No. 214,013; published Aug. 4, 1925.

Clarkadota Fig Growers Association, Inc., The, Stockton, Calif. Fresh and preserved figs. 204,515; Oct. 20; Serial No. 200,038; published Aug. 11, 1925.

Clinton Corn Syrup Refining Company, Clinton, Iowa. Corn sugar. 204,571; Oct. 20; Serial No. 215,137; published July 28, 1925.

Cohn Hall Marx Co., New York, N. Y. Silk piece goods and cotton piece goods. 204,493; Oct. 20; Serial No. 214,781; published July 28, 1925.

Cole, J. W., & Co., Black River Falls, Wis., assignor, by mesne assignments, to The J. W. Cole Co., Rockford and Chicago, Ill. Salves, soft salves, ointments, or unguents. 45,472; renewed Aug. 22, 1925.

Comet Remedy Company, Concord, N. C. Preparation for treating corns, bunions, and calli. 204,697; Oct. 20; Serial No. 215,893; published July 28, 1925.

Cornell Bros. Company, Seattle, Wash. 204,488; Oct. 20; Serial No. 215,000; published July 14, 1925.

Consolidated Safety Pin Company, The, Bloomfield, N. J. Dress pins. 204,680; Oct. 20; Serial No. 213,227; published July 14, 1925.

Continental-Caoutchouc- & Gutta-Percha-Compagnie, Hanover, Germany. Nonmetallic vehicle tires. 204,423; Oct. 20; Serial No. 203,455; published July 28, 1925.

Converters Paper Company, Newark, N. J. Hanging bags. 204,594; Oct. 20; Serial No. 214,913; published July 28, 1925.

Cornelius, Cora B., Woodhaven, Long Island, N. Y. Healing salve. 204,703; Oct. 20; Serial No. 215,773; published Aug. 4, 1925.

Cracker Jack Co., The, Chicago, Ill. Pop-corn confections. 204,530; Oct. 20; Serial No. 213,489; published Aug. 11, 1925.

Craftsman Glove Company, Chicago, Ill. Leather gloves and mittens. 204,479; Oct. 20; Serial No. 215,682; published July 28, 1925.

Crary, C. S., Company, Streator, Ill. Canned goods, coffee, tea, condiments, relishes, etc. 204,429; Oct. 20; Serial No. 199,679; published May 12, 1925.

Cromer, Charles W. (See Nathan, Barnard Co., assignor.)

Crucible Steel Company of America. (See Park Steel Company, assignor.)

Cudahy Brothers Co., Cudahy, Wis. Lard, tallow, lard compounds, and substitutes for lard. 47,631; renewed Nov. 14, 1925.

Cudahy Brothers Co., Cudahy, Wis. Lard, lard compounds, tallow, and substitutes for lard. 47,772; renewed Nov. 21, 1925.

Cudahy Brothers Co., Cudahy, Wis. Glue. 47,847; renewed Nov. 21, 1925.

Culbertson, F. G., doing business as Louisiana Chemical Co., Shreveport, La. Preparation for hastening the setting of cement and for strengthening cement. 204,715; Oct. 20.

Curtain Supply Company, The, Chicago, Ill., and Elkhart, Ind. Metal sash. 204,405; Oct. 20; Serial No. 212,237; published July 28, 1925.

Dallis, Gus T., and T. N. Raptis, Zanesville, Ohio. Hair tonic and grower. 204,476; Oct. 20; Serial No. 215,776; published July 28, 1925.

Deister Machine Company, Fort Wayne, Ind. Ore concentrators. 204,605; Oct. 20; Serial No. 214,016; published July 21, 1925.

Deutsche Spiegelglas Ausfuhr Gesellschaft m. b. H., Aachen, Germany. Ground polished plate glass. 204,409; Oct. 20; Serial No. 208,577; published July 21, 1925.

Dickinson, Albert, Company, The, Chicago, Ill. Seeds, 47,414–7; renewed Nov. 7, 1925.

Dickinson, Albert, Company, The, Chicago, Ill. Dried beans. 48,084; renewed Dec. 5, 1925.

Ditto, Incorporated, Chicago, Ill. Duplicating machines. 204,497; Oct. 20; Serial No. 204,589; published July 28, 1925.

Doe, William A., Co., Boston, Mass. Ham and bacon. 204,434; Oct. 20; Serial No. 196,369; published July 28, 1925.

Doubleday, Page & Co., New York, N. Y.; Doubleday Page & Co., Garden City, N. Y. Periodical magazines. 48,096; renewed Dec. 12, 1925.

Drake Bakeries Incorporated, Brooklyn, N. Y. Cake and macaroons. 204,529; Oct. 20; Serial No. 213,492; published Aug. 4, 1925.

Drink O'Drink Company, Philadelphia, Pa. Sirup used in the preparation of soft drinks. 204,606; Oct. 20; Serial No. 215,557; published Aug. 11, 1925.

Driver-Harris Company, Harrison, N. J. Covered and insulated wires, insulated electric conductors, and heater cord. 204,639; Oct. 20; Serial No. 214,241; published July 28, 1925.

Dubied, Edouard, et Cie., Société Anonyme, Couvet, Switzerland. Knitting machines. 204,575; Oct. 20; Serial No. 176,885; published July 28, 1925.

Duffy, Patrick, San Francisco, Calif. Fresh citrous and deciduous fruits, canned fruits, vegetables, and salmon. 204,534; Oct. 20; Serial No. 213,069; published July 28, 1925.

Dunand, Marie, Paris, France. Reeds for orchestral wind instruments. 204,431; Oct. 20; Serial No. 198,292; published July 28, 1925.

Duo-Press Co., The, Newark, N. J. Plastic molding machines. 204,718; Oct. 20.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Pyroxylin thinners, knifing compound, floor varnish, and prepared paint. 204,396–7; Oct. 20; Serial Nos. 201,490–1; published Feb. 10, 1925.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Lacquers, paint and pyroxylin enamels and finishes. 204,398; Oct. 20; Serial No. 198,225; published Oct. 7, 1924.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Lacquers, paint and pyroxylin enamels, and paint and pyroxylin finishes. 204,399; Oct. 20; Serial No. 197,425; published Oct. 7, 1924.

Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Lead pencils. 48,097; renewed Dec. 12, 1925.

Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Lead pencils. 48,099–100; renewed Dec. 12, 1925.

Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Lead pencils. 48,102–3; renewed Dec. 12, 1925.

Eddystone Manufacturing Company, The, Philadelphia and Eddystone, Pa.; The Eddystone Manufacturing Company, Eddystone, Pa. Bleached, unbleached, printed, and dyed textile fabrics. 45,540; renewed Aug. 22, 1925.

Eesti tikutööstus "Lendra" A.-S., Revai, Esthonia. Matches. 204,455; Oct. 20; Serial No. 213,015; published July 21, 1925.

Elder Mfg. Co., St. Louis, Mo. Cotton and silk cloth. 204,481; Oct. 20; Serial No. 215,443; published July 28, 1925.

Elder Mfg. Co., St. Louis, Mo. Men's and boys' dress and negligee shirts. 204,572; Oct. 20; Serial No. 215,238; published July 28, 1925.

Electrical Research Laboratories, Inc., Chicago, Ill. Radio receiving sets, loud speakers and units, plugs, etc. 204,450; Oct. 20; Serial No. 213,287; published July 28, 1925.

Elgin National Watch Co., Elgin and Chicago, Ill. Watches. 47,470; renewed Nov. 7, 1925.

Emporium World Millinery Co., New York, N. Y. Women's and girls' hats. 204,490; Oct. 20; Serial No. 214,950; published July 28, 1925.

Eskimo Pie Corporation, Louisville, Ky. Frozen confections. 204,594; Oct. 20; Serial No. 214,860; published Aug. 4, 1925.

Eslinger, Mastin E., doing business as Blue Ribbon Bakery, Fort Smith, Ark. Bread. 204,661; Oct. 20; Serial No. 210,894; published July 21, 1925.

Essex Rubber Company, Inc., Trenton, N. J. Rubber heels. 204,478; Oct. 20; Serial No. 215,685; published July 28, 1925.

Esthonian Match Industry "Lendra" Ltd., Reval, Tallinn, Esthonia. Safety matches. 204,428; Oct. 20; Serial No. 200,139; published June 2, 1925.

Fairchild Bros. & Foster, New York, N. Y. Preparation of the proteids of beef. 47,774; renewed Nov. 21, 1925.

Fassett & Company, Tacoma, Wash. Food sirups. 204,568; Oct. 20; Serial No. 215,063; published July 28, 1925.

Fekete, Michael, Metuchen, N. J. Canned vegetables and coffee. 204,646; Oct. 20; Serial No. 216,167; published Aug. 4, 1925.

Fitler, Edwin H., Co., The, Philadelphia, Pa. Yarns. 204,578; Oct. 20; Serial No. 191,947; published Aug. 11, 1925.

Fitler, Edwin H., Co., The, Philadelphia, Pa. Yarns. 204,579; Oct. 20; Serial No. 191,948; published Mar. 31, 1925.

Flyberg, Esther E., Halstad, Minn. Gray-hair remedy. 204,458; Oct. 20; Serial No. 212,911; published July 21, 1925.

Follansbee Brothers Company, Pittsburgh, Pa. Ferrous plates and sheets. 204,487; Oct. 20; Serial No. 215,004; published July 28, 1925.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 204,589; Oct. 20; Serial No. 209,635; published July 14, 1925.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 204,590; Oct. 20; Serial No. 209,637; published July 14, 1925.



Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 204,591; Oct. 20; Serial No. 209,639; published July 14, 1925.

Frank, A. B., Company, San Antonio, Tex. Overalls and other work clothes for men and boys. 204,547; Oct. 20; Serial No. 213,294; published July 28, 1925.

Franklin Baker Company, Hoboken, N. J. Prepared cocoanut. 204,581; Oct. 20; Serial No. 197,743; published July 28, 1925.

Franklin Baker Company, Hoboken, N. J. Prepared cocoanut. 204,582; Oct. 20; Serial No. 197,748; published July 28, 1925.

Franklin Baker Company, Hoboken, N. J. Prepared cocoanut. 204,583; Oct. 20; Serial No. 197,752; published July 28, 1925.

Franklin Pottery Co., Lansdale, Pa. Art pottery. 204,414; Oct. 20; Serial No. 202,248; published July 21, 1925.

Franklin Simon & Co., Inc., New York, N. Y. Perfumes, toilet powders, cold creams, skin bleaches, etc. 204,441; Oct. 20; Serial No. 214,069; published July 21, 1925.

Fraser, Le Roy B., Woodbridge, Conn. Bird houses and windmills. 204,675; Oct. 20; Serial No. 212,550; published July 28, 1925.

Fraser, Mabel G., doing business as Goodwin Sisters, New York, N. Y. Candy. 204,528; Oct. 20; Serial No. 213,633; published Aug. 11, 1925.

Gallaher, Limited, Belfast, Ireland. Smoking tobacco, cigars, cigarettes, and snuff. 204,462; Oct. 20; Serial No. 214,722; published Aug. 4, 1925.

General Phonograph Corporation, New York, N. Y. Radio receiving sets and loud-speaker amplifiers for radio apparatuses. 204,453; Oct. 20; Serial No. 213,232; published July 28, 1925.

General Porcelain Enameling & Mfg. Co., Chicago, Ill. Porcelain enameled iron and steel signs. 204,716; Oct. 20.

Ghiglione, A. F., & Sons, Inc., Seattle, Wash. Alimentary pastes. 204,702; Oct. 20; Serial No. 215,784; published July 28, 1925.

Gilbert, Albert C., doing business as Long Hill Orchard, West Newbury, Mass. Fresh apples. 204,559; Oct. 20; Serial No. 214,411; published July 21, 1925.

Gilbert & Bennett Manufacturing Company, The Georgetown, Conn. Wire cloth. 48,034; renewed Dec. 5, 1925.

Gilbert & Bennett Manufacturing Company, The Georgetown, Conn. Wire netting. 48,035; renewed Dec. 5, 1925.

Gipsy Trail Camp and Country Club Inc., New York, N. Y. Cigarettes. 204,535; Oct. 20; Serial No. 212,920; published Aug. 11, 1925.

Gipsy Trail Camp and Country Club Inc., New York, N. Y. Hockey sticks. 204,536; Oct. 20; Serial No. 212,917; published Aug. 11, 1925.

Gipsy Trail Camp and Country Club Inc., New York, N. Y. Cigarette holders. 204,537; Oct. 20; Serial No. 212,916; published Aug. 11, 1925.

Goodwin Sisters. (See Fraser, Mabel G.)

Gottlieb, Joseph, New York, N. Y. Watches, watch movements, and parts thereof. 204,657; Oct. 20; Serial No. 207,011; published July 28, 1925.

Grand Trimmed Hat Co., Chicago, Ill. Women's and children's hats. 204,492; Oct. 20; Serial No. 214,793; published July 28, 1925.

Graton and Knight Manufacturing Company, The, Worcester, Mass. Leather belting. 48,115; renewed Dec. 12, 1925.

Grebe, A. H., & Co., Inc., Richmond Hill, N. Y. Radio receiving sets, condensers, and transformers. 204,421; Oct. 20; Serial No. 206,300; published July 28, 1925.

Grennan Bakeries Incorporated, Detroit, Mich. Cakes. 204,532; Oct. 20; Serial No. 213,372; published Aug. 11, 1925.

Grossman, Joseph, doing business as Kasdum Company, Steubenville, Ohio. Malt extract for food purposes. 204,689; Oct. 20; Serial No. 212,222; published July 28, 1925.

Grote, F., & Hubbell Co. Inc., New York, N. Y., and Chicago, Ill. Billiard cloth. 204,483; Oct. 20; Serial No. 215,369; published July 28, 1925.

Haco-Gesellschaft A.-G. Bern, Berne, Switzerland. Prepared food product. 204,577; Oct. 20; Serial No. 191,231; published July 28, 1925.

Hamm, Loring W., Reading, Mass. Lubricating oils. 204,461; Oct. 20; Serial No. 214,726; published July 21, 1925.

Hanifen, John E., Company, Philadelphia, Pa. Silk, cotton, and woolen piece goods and various combinations of silk, cotton, etc., fibers. 204,400; Oct. 20; Serial No. 212,812; published July 21, 1925.

Hanifen, John E., Company, Philadelphia, Pa. Silk piece goods, cotton and woolen piece goods, and various combinations of silk, cotton, etc., fibers. 204,401; Oct. 20; Serial No. 212,809; published July 21, 1925.

Harwood Ribbon Co., New York, N. Y. Wrist-watch and garter ribbons in the piece. 204,671; Oct. 20; Serial No. 211,356; published July 28, 1925.

Harrison, Adria L., doing business as Baby Specialties Company, Oakland, Calif. Antithumb-sucking device. 204,555; Oct. 20; Serial No. 214,158; published July 28, 1925.

Hauthaway, C. L., & Sons, Incorporated, assignors to C. L. Hauthaway & Sons Inc., Boston, Mass. Ink for burnishing the edges and bottoms of boots and shoes. 47,978; renewed Dec. 5, 1925.

Health Service Corporation, Savannah, Ga. Laxative candy. 204,565; Oct. 20; Serial No. 214,661; published July 28, 1925.

Heinze Electric Company, Lowell, Mass. Magnetos, horns, condensers, etc. 204,407; Oct. 20; Serial No. 211,470; published July 28, 1925.

Helens Home-Made Bakery and Pastry Shop, Brooklyn, N. Y. Fancy pastry, bread, cakes, pies. 204,543; Oct. 20; Serial No. 211,832; published Aug. 11, 1925.

Hempel & Dingen; Magdalena Hempel, executrix of the estate of Henry A. Hempel, deceased, Buffalo, N. Y., assignor, by mesne assignments, to Magdalena Hempel. Printers' quoins. 47,411; renewed Nov. 7, 1925.

Hendrick Manufacturing Company, Carbondale, Pa. Stair treads. 204,633; Oct. 20; Serial No. 215,068; published July 28, 1925.

Hershel California Fruit Products Co., Inc., Chicago, Ill. Canned tomatoes and cardoons. 204,436; Oct. 20; Serial No. 188,904; published Jan. 22, 1924.

Hill Bros. Co., Hudson, Mass. Leather boots and shoes. 204,489; Oct. 20; Serial No. 214,960; published July 28, 1925.

Hollings-Smith Co., Orangeburg, N. Y. Certain proprietary medicines. 204,478; Oct. 20; Serial No. 215,857; published July 28, 1925.

Hollinwood, George, Cranford, N. J. Sundials. 204,438; Oct. 20; Serial No. 177,911; published July 28, 1925.

Hood, H. P., & Sons, Inc., Boston, Mass. Ice cream. 204,599; Oct. 20; Serial No. 214,729; published July 28, 1925.

Hopkins, Robt. C., doing business as The Volcanic Specialties Co., Alliance, Ohio. Fluid-fuel burners. 204,631; Oct. 20; Serial No. 215,206; published July 28, 1925.

Hough Shade Corporation, Janesville, Wis. Fabric formed of wooven splints, strips, or slats, and thread, cord, or wire. 48,088; renewed Dec. 12, 1925.

Hume, G. W., Company, San Francisco, Calif. Canned fruits. 204,707; Oct. 20; Serial No. 215,631; published July 28, 1925.

Hunt, Helm, Ferris & Co., Harvard, Ill. Coaster wagons, scooters, wheeled vehicles, etc. 204,696; Oct. 20; Serial No. 215,982; published July 28, 1925.

Illfelder, B., & Co., New York, N. Y. Dolls. 47,821; renewed Nov. 21, 1925.

Illinois Nut Products Co., Chicago, Ill. Candy-covered nuts. 204,669; Oct. 20; Serial No. 211,032; published July 14, 1925.

Illinois Nut Products Co., Chicago, Ill. Peanut brittle. 204,670; Oct. 20; Serial No. 211,033; published July 14, 1925.

Imperial Granum Co., The, New Haven, Conn. Medicinal food prepared from wheat. 47,539; renewed Nov. 7, 1925.

Imperial Hosiery Company, Pittsburgh, Pa. Hosiery. 204,539; Oct. 20; Serial No. 212,555; published July 14, 1925.

International Harvester Company, Chicago, Ill. Combined harvesters and thrashers and attachments and parts thereof. 204,623; Oct. 20; Serial No. 216,728; published Aug. 11, 1925.

Iroquois Canning Corporation, Onarga, Ill. Canned corn. 204,586; Oct. 20; Serial No. 208,144; published Apr. 28, 1925.

Jennison, W. J., Company, Minneapolis, Minn. Wheat flour. 47,624; renewed Nov. 14, 1925.

Johns-Manville, Incorporated, New York, N. Y. Pipe covering. 204,576; Oct. 20; Serial No. 181,488; published July 28, 1925.

Johnson Belting Company, Inc., New York, N. Y. Leather belting. 204,413; Oct. 20; Serial No. 203,185; published July 28, 1925.

Jordan Marsh Company, Boston, Mass. Leather boots and shoes. 47,693; renewed Nov. 14, 1925.

Kaplan, Tobias, New York, N. Y. Men's dress shirts. 204,585; Oct. 20; Serial No. 206,119; published July 28, 1925.

Kasdum Company. (See Grossman, Joseph.)

Keen, Robinson & Company Limited, London, England. Patent barley, pearl barley, oatmeal, rice, etc. 204,587; Oct. 20; Serial No. 208,853; published Aug. 4, 1925.

Kress, S. H., & Co., New York, N. Y. Hair nets. 204,624; Oct. 20; Serial No. 216,682; published Aug. 11, 1925.

Kurtzmann, C., & Co., Buffalo, N. Y. Pianos. 204,444; Oct. 20; Serial No. 213,903; published July 28, 1925.

Lambertville Rubber Company, Lambertville, N. J. Rubber boots and shoes. 48,108–9; renewed Dec. 12, 1925.

Lambertville Rubber Company, Lambertville, N. J. Rubber boots and shoes. 48,133; renewed Dec. 12, 1925.

Langston, T. Mason, doing business as Langston Food Products Co., Greenville, S. C. 204,500; Oct. 20; Serial No. 209,041; published Aug. 11, 1925.

La Porte Woolen Mills, La Porte, Ind. Linen, wool, or worsted, silk, silk and wool, and silk and cotton. 204,584; Oct. 20; Serial No. 203,635; published Mar. 24, 1925.

Las Amigas Cigar Co. (See S. S. Pierce Co.)

La Sierra Heights Canning Company, Arlington, Calif. Canned apricots, peaches, and tomatoes. 204,419; Oct. 20; Serial No. 183,305; published May 5, 1925.
La Verne Co-Operative Citrus Association, La Verne, Calif. Fresh oranges, lemons, and grapefruit. 204,645; Oct. 20; Serial No. 216,189; published Aug. 4, 1925.
Lears-Rochester, Incorporated, Rochester, N. Y. Ready-made suits and coats for men. 204,598; Oct. 20; Serial No. 214,731; published July 28, 1925.
Lentheric, Inc., New York, N. Y. Toilet preparations. 204,471; Oct. 20; Serial No. 215,863; published July 28, 1925.
Lentheric, Inc., New York, N. Y. Toilet preparations. 204,472; Oct. 20; Serial No. 215,861; published July 28, 1925.
Lentheric, Inc., New York, N. Y. Toilet preparations. 204,698–700; Oct. 20; Serial Nos. 215,864–6; published July 28, 1925.
Lesher, Whitman & Co., Inc., New York, N. Y. Piece goods. 204,402; Oct. 20; Serial No. 212,447; published July 21, 1925.
Levi & Seligman, Inc., Brooklyn, N. Y. Silk knitted cloth in the piece. 204,510; Oct. 20; Serial No. 194,547; published Aug. 11, 1925.
Lewis-Geer Mfg. Company, Ypsilanti, Mich. Roller-bearing coaster wagons. 204,417; Oct. 20; Serial No. 193,932; published May 6, 1924.
Lindsey, James M., Montgomery, Ala. Bottled beverage and sirups used in making same. 204,612; Oct. 20; Serial No. 215,257; published Aug. 11, 1925.
Lindstrom, Carl, Aktiengesellschaft, Berlin, Germany. Optical goods, especially optical lenses, opera glasses, etc. 204,684–6; Oct. 20; Serial Nos. 212,385–7; published July 28, 1925.
Liquid Carbonic Company, The, Chicago, Ill. Soda fountains. 204,601; Oct. 20; Serial No. 214,602; published Aug. 4, 1925.
Long Hill Orchard. (See Gilbert, Albert C.)
Louisiana Chemical Co. (See Culbertson, P. G.)
Louisville Bedding Company, Louisville, Ky. Bed comforts. 204,468; Oct. 20; Serial No. 214,259; published Aug. 4, 1925.
Macy, R. H., & Co., Inc., New York, N. Y. Yarns. 204,630; Oct. 20; Serial No. 215,259; published July 21, 1925.
Macy, R. H., & Co., Inc., New York, N. Y. Girls' coats, suits, and dresses. 204,713–4; Oct. 20; Serial Nos. 215,260–1; published July 28, 1925.
Manhattan Electrical Supply Company, Inc., New York, N. Y. Dry batteries. 204,426; Oct. 20; Serial No. 202,591; published July 28, 1925.
Marks, Harry, Greensboro, N. C. Shirts. 204,691; Oct. 20; Serial No. 211,384; published July 28, 1925.
Marstin Adhesive Company, Boston, Mass. Glues and adhesive cements. 204,464; Oct. 20; Serial No. 214,673; published Aug. 11, 1925.
Matthews, Alfred; Ben Miller Hat Company, St. Louis, Mo., successor. Men's hats and caps. 48,044; renewed Dec. 5, 1925.
Maull, Louis, Co., Food Products Co., St. Louis, Mo. Pickles, relishes, etc. 204,506; Oct. 20; Serial No. 172,384; published Aug. 11, 1925.
Mauser, John J., Sanford, Fla. Cigars. 204,522; Oct. 20; Serial No. 214,209; published Aug. 11, 1925.
Maxcy, Latimer, Frostproof, Fla. Fresh oranges, grapefruit, etc. 204,655; Oct. 20; Serial No. 215,643; published Aug. 11, 1925.
McCallum Hosiery Co., Northampton, Mass. Hosiery. 204,676; Oct. 20; Serial No. 213,849; published July 28, 1925.
McCann, J. D., Co., Rochester, N. Y. Cold cream. 204,562; Oct. 20; Serial No. 214,605; published July 28, 1925.
McDonald, J. G., Chocolate Co., Salt Lake City, Utah. Candy. 204,611; Oct. 20; Serial No. 215,262; published Aug. 11, 1925.
McLanathan, Frank W., doing business as F. W. McLanathan & Son, Lawrence, Mass. Leather belting, worsted aprons, and rawhide lacing. 204,418; Oct. 20; Serial No. 184,209; published July 28, 1925.
Mehlin, Paul G., & Sons, New York, N. Y., assignor to Paul G. Mehlin & Sons, West New York, N. Y. Upright pianos. 48,010; renewed Dec. 5, 1925.
Mellicke Calculator Company, also doing business as Mellicke Manufacturing Company, Chicago, Ill. Signal systems and parts thereof for vehicles. 204,439; Oct. 20; Serial No. 166,083; published July 28, 1925.
Mellicke Calculator Company, also doing business as Mellicke Manufacturing Company, Chicago, Ill. Signal systems and parts thereof for vehicles. 204,573; Oct. 20; Serial No. 166,086; published July 28, 1925.
Merrimack Wood Heel Company, Salem, N. H. Wood heels. 204,477; Oct. 20; Serial No. 215,699; published July 28, 1925.
Meyer, Jos. H., Bros., Inc., Brooklyn, N. Y. Gems, stones, necklaces, and jewelry. 204,416; Oct. 20; Serial No. 197,208; published July 28, 1925.
Michaels, L., Inc., Buffalo, N. Y. Hosiery. 204,569; Oct. 20; Serial No. 215,082; published July 28, 1925.
Miller, Ben, Hat Company. (See Matthews, Alfred.)
Miller's, Jacob, Sons Co., Inc., Philadelphia, Pa. Shirtings in the piece. 204,527; Oct. 20; Serial No. 213,661; published Aug. 11, 1925.
Mills & Gibb Corp., New York, N. Y. Silk and cotton piece goods and mixtures of the same. 204,549; Oct. 20; Serial No. 213,391; published July 21, 1925.
Mine to Consumer Coal Co., Martinsburg, W. Va. Coal. 204,721; Oct. 20.
Morgan Bros., San Francisco, Calif. Felt coverings for piano actions. 204,688; Oct. 20; Serial No. 214,558; published July 28, 1925.
Motor Accessories Corporation, Kansas City, Mo. Radiator filler caps. 204,452; Oct. 20; Serial No. 213,253; published July 28, 1925.
Mueller-Keller Candy Co., St. Joseph, Mo. Candy bars. 204,621; Oct. 20; Serial No. 214,883; published Aug. 11, 1925.
Musselman, A. J., Chicago, Ill. Audion tubes. 204,457; Oct. 20; Serial No. 212,948; published July 28, 1925.
Narrow Fabric Co., The, West Reading, Pa. Narrow fabric laces. 204,580; Oct. 20; Serial No. 195,827; published July 28, 1925.
Nashville Roller Mills, Nashville, Tenn. Plain and self-rising wheat flour. 204,647; Oct. 20; Serial No. 216,067; published Aug. 11, 1925.
National Oil & Supply Co., Newark, N. J. Lubricating and soluble oils and lubricating greases. 204,720; Oct. 20.
New England Mica Co., Waltham, Mass. Mica insulating units. 204,454; Oct. 20; Serial No. 213,141; published July 28, 1925.
New York Consolidated Card Company, The, New York; The New York Consolidated Card Company, Long Island City, N. Y. Playing cards. 47,550; renewed Nov. 7, 1925.
New York Consolidated Card Company, The, New York; The New York Consolidated Card Company, Long Island City, N. Y. Playing cards. 47,991; renewed Dec. 5, 1925.
Nobel Industries, Limited, London, England. Dynamite and gelatinous explosives, cartridges, cartridge cases, and fuses. 204,463; Oct. 20; Serial No. 214,675; published Aug. 11, 1925.
Northwest Fruit Distributors, Seattle and Wenatchee, Wash. Fresh apples and lettuce. 204,652; Oct. 20; Serial No. 215,811; published Aug. 4, 1925.
Noveltex, Inc., New York, N. Y. Cotton goods in the piece. 204,485; Oct. 20; Serial No. 215,266; published July 28, 1925.
O'Callaghan, Francis E., New York, N. Y. Nail, hand, bath, and tooth brushes. 204,717; Oct. 20.
Office Appliance Company, The. (See Patterson, George H., and Edward C. Thurnau Publishers Office Appliances, assignor.)
Ohio Rubber and Textile Company, The, Cleveland, Ohio. Tips or grips for golf clubs. 204,622; Oct. 20; Serial No. 214,811; published Aug. 11, 1925.
Olney & Floyd, Westernville, N. Y. Canned vegetables. 204,432; Oct. 20; Serial No. 197,214; published Oct. 7, 1924.
Olson Coffee Co., Omaha, Nebr. Spices and food-flavoring extracts. 204,422; Oct. 20; Serial No. 205,027; published Feb. 3, 1925.
1-4-U Cookie Co., Inc., Long Island City, N. Y. Cookies. 204,526; Oct. 20; Serial No. 213,730; published Aug. 4, 1925.
Orling Brothers, Detroit, Mich. Sausage, hams, and bacon. 204,542; Oct. 20; Serial No. 212,395; published Aug. 11, 1925.
Oro Laboratory. (See O'Rourke, Eugene J.)
O'Rourke Eugene J., doing business as Oro Laboratory, Boonton, N. J. Medicated talcum powder. 204,475; Oct. 20; Serial No. 215,813; published July 28, 1925.
Osborn Paper Company, Marion, Ind. Paper and stationery. 204,719; Oct. 20.
Ostermoor & Co., assignor to Ostermoor & Company, Inc., New York, N. Y. Mattresses, pillows, cushions, and hassocks. 47,830; renewed Nov. 21, 1925.
Ostermoor & Co., assignor to Ostermoor & Company, Inc., New York, N. Y. Mattresses, pillows, cushions, and hassocks. 47,832; renewed Nov. 21, 1925.
Ottenheimer Bros., Inc., Baltimore, Md. Refrigerators, etc. 204,653; Oct. 20; Serial No. 215,753; published Aug. 4, 1925.
Oxford Candy Company. (See Welch, Robert H. W., jr.)
Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 204,456; Oct. 20; Serial No. 212,950; published July 21, 1925.
Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 204,533; Oct. 20; Serial No. 212,954; published Aug. 11, 1925.
Page, L. C., & Company; L. C. Page & Company (Inc.), Boston, Mass., successors. Books. 47,473; renewed Nov. 7, 1925.
Papasotiriou, Nikolas G., La Grange, Ill. Cigarettes. 204,403; Oct. 20; Serial No. 212,396; published July 21, 1925.
Park Lane Corporation, New York, N. Y. Cigarettes, smoking tobacco, and cigars. 204,602; Oct. 20; Serial No. 214,436; published July 28, 1925.
Park Steel Company, assignor to Crucible Steel Company of America, Pittsburgh, Pa., and New York, N. Y. Steel. 47,636–8; renewed Nov. 14, 1925.
Patchogue-Plymouth Mills Corporation, New York, N. Y. Rugs and carpets of matting material. 204,406; Oct. 20; Serial No. 211,611; published July 21, 1925.



Patterson, George H., and Edward C. Thurnau Publishers Office Appliances, assignors to The Office Appliance Company, Chicago, Ill. Monthly magazine. 47,722; renewed Nov. 14, 1925.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Bias-fold tape. 204,679; Oct. 20; Serial No. 213,592; published July 14, 1925.
Perry, W. Norman, sr., doing business as Fergus Perry, Germantown, Philadelphia, Pa. Silk and cotton elastic cord. 204,604; Oct. 20; Serial No. 214,031; published July 28, 1925.
Pfister & Vogel Leather Company, Milwaukee, Wis. Leathers. 204,637; Oct. 20; Serial No. 214,745; published July 28, 1925.
Pierce, S. S., Co., doing business as Las Amigas Cigar Co., Boston, Mass. Cigars. 204,467; Oct. 20; Serial No. 214,273; published Aug. 4, 1925.
Polyphonwerke Aktiengesellschaft, Berlin, Germany. Phonographs, records and envelopes for same, and needles. 204,427; Oct. 20; Serial No. 201,977; published July 28, 1925.
Pond, E. K., Company, Chicago, Ill. Peanut butter. 204,701; Oct. 20; Serial No. 215,816; published Aug. 4, 1925.
Premier Motors, Incorporated, Indianapolis, Ind. Automobiles. 204,548; Oct. 20; Serial No. 213,319; published July 28, 1925.
Prina, Frank R., Corporation, The, New York, N. Y. Whole-wheat flour, nut and fruit breads, whole-wheat bread, and muffins. 204,525; Oct. 20; Serial No. 213,801; published Aug. 4, 1925.
Prince, H. G., Co., Fruitvale, Oakland, Calif. Canned fruits. 204,615; Oct. 20; Serial No. 215,096; published Aug. 11, 1925.
Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Toothbrushes. 204,690; Oct. 20; Serial No. 212,101; published Aug. 4, 1925.
Pure Food Factory "Hansa", Mamaroneck, N. Y. Canned soup. 204,614; Oct. 20; Serial No. 215,219; published Aug. 11, 1925.
Radio Receptor Company, Inc., New York, N. Y. Radio receiving equipment and parts thereof. 204,658; Oct. 20; Serial No. 210,010; published July 28, 1925.
Rawlings Manufacturing Company, St. Louis, Mo. Golf clubs, balls, bags, and baseball bats. 204,620; Oct. 20; Serial No. 214,889; published Aug. 11, 1925.
Red Sea Balsam Co. (See Ashley, A. Davis, assignor.)
Regen, O., Mfg. Co., Inc., Brooklyn, N. Y. Tassels and bows. 204,520; Oct. 20; Serial No. 202,894; published July 7, 1925.
Reymer Brothers, Incorporated, Pittsburgh, Pa. Candy. 47,682; renewed Nov. 14, 1925.
Rieger, Ernest A., New York, N. Y. Silk piece goods. 204,563; Oct. 20; Serial No. 214,618; published July 28, 1925.
Riverside Heights Orange Growers Association, Riverside, Calif. Fresh oranges, lemons, and grapefruit. 204,643–4; Oct. 20; Serial Nos. 216,220–1; published Aug. 11, 1925.
Roach, Tisdale & Co., Minneapolis, Minn. Marshmallows. 204,651; Oct. 20; Serial No. 215,820; published Aug. 4, 1925.
Roche, Terrance P., Detroit, Mich. Malt sirup. 204,650; Oct. 20; Serial No. 215,821; published Aug. 11, 1925.
Rock, John, Hosiery Company, Incorporated, New York, N. Y. Hosiery. 204,681–2; Oct. 20; Serial Nos. 213,147–8; published July 28, 1925.
Roessler & Hasslacher Chemical Co., The, New York, N. Y. Material for insulation. 47,735; renewed Nov. 14, 1925.
Roessler & Hasslacher Chemical Co., The, New York, N. Y. Oxid of tin. 47,925; renewed Nov. 28, 1925.
Roessler & Hasslacher Chemical Co., The, New York, N. Y. Compounds for bleaching and washing linens. 47,940; renewed Nov. 28, 1925.
Roessler & Hasslacher Chemical Co., The, New York, N. Y. Quinine. 47,962; renewed Nov. 28, 1925.
Rogers, M. H., Inc., New York, N. Y. Textile rugs. 204,559; Oct. 20; Serial No. 213,457; published July 28, 1925.
Rosenblatt, Louis C., New York, N. Y. Silk piece goods. 204,505; Oct. 20; Serial No. 211,709; published Aug. 11, 1925.
Roubaix Mills, Inc., New York, N. Y. Piece goods made of wool. 204,470; Oct. 20; Serial No. 215,878; published July 28, 1925.
Royal Baking Powder Company, New York, N. Y.; Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y. Baking powder. 48,077; renewed Dec. 5, 1925.
Royal Glue Co., Washington, D. C. Glues and adhesive cement. 204,619; Oct. 20; Serial 214,927; published Aug. 4, 1925.
Rubber & Celluloid Harness Trimming Company, The, assignor to Rubber and Celluloid Products Company, Newark, N. J. Lather brushes and brushes for applying fluids to surfaces. 47,840; renewed Nov. 21, 1925.
Ryan, Matthew W., doing business as W. H. Brown Son & Co., New York, N. Y. Cotton piece goods. 204,494–5; Oct. 20; Serial Nos. 214,691–2; published July 28, 1925.
Salem Glass Works, Salem, N. J. Glass bottles. 204,618; Oct. 20; Serial No. 214,928; published July 28, 1925.
Salerni, Rocco, Astoria, Long Island City, N. Y. Strings for violins and similar musical instruments. 204,451; Oct. 20; Serial No. 213,260; published July 28, 1925.
Salerni, Rocco, Astoria, Long Island City, N. Y. Strings for violins and similar instruments. 204,546; Oct. 20; Serial No. 212,644; published July 28, 1925.
Sanborn, Albert E., Laconia, N. H. Stocking tops. 204,558; Oct. 20; Serial No. 214,277; published July 28, 1925.
San Dimas Fruit Exchange. (See Charter Oak Citrous Association.)
Sanitarium and Hospital Equipment Company, Battle Creek, Mich. Therapeutic lamps. 204,491; Oct. 20; Serial No. 214,825; published July 28, 1925.
Scheidt, Adam, Brewing Company, Norristown, Pa. Ale. 48,147; renewed Dec. 12, 1925.
Schiller, Arthur, & Son, Chicago, Ill. Chinaware and crockery. 204,600; Oct. 20; Serial No. 214,693; published July 28, 1925.
Schiltz, Chas. J., Waitsburg, Wash. Fresh apples. 204,466; Oct. 20; Serial No. 214,278; published Aug. 11, 1925.
Schuylkill Valley Mills, Inc., Spring City, Pa. Hosiery. 204,712; Oct. 20; Serial No. 215,315; published July 28, 1925.
Scognamillo, Rosa B., New York, N. Y. Corsets, brassières, girdles, and women's underwear. 204,484; Oct. 20; Serial No. 215,273; published July 28, 1925.
Seaboard Refractories Company, Valentines, N. J. Refractory bricks. 204,629; Oct. 20; Serial No. 215,274; published July 28, 1925.
Selby, Battersby & Co., Philadelphia, Pa. Flooring compositions and completed flooring. 204,448–9; Oct. 20; Serial Nos. 213,407–8; published July 28, 1925.
Seneca Lake Fruit Growers Co-Operative Inc., Hector, N. Y. Fresh peaches, grapes, plums, cherries, eggs, etc. 204,510; Oct. 20; Serial No. 202,567; published Aug. 4, 1924.
Siebert, Anna G., Reno, Nev. Baby harness. 204,509; Oct. 20; Serial No. 191,644; published July 7, 1925.
Siegel, J., & Co., assignor to American Lady Corset Co., Detroit, Mich. Corsets. 44,845; renewed July 25, 1925.
Siegel, J., & Co., assignor to American Lady Corset Co., Detroit, Mich. Corsets. 46,408; renewed Sept. 19, 1925.
Simpson, Wm., Sons & Co., Philadelphia, Pa. Silk and cotton piece goods. 204,486; Oct. 20; Serial No. 215,097; published July 28, 1925.
Sintzel Orange Mill Company of New England, Boston, Mass. Fruit beverage sold as a soft drink. 204,609; Oct. 20; Serial No. 215,316; published Aug. 11, 1925.
Smith, Fred A., Cleveland, Ohio. Men's hosiery. 204,513; Oct. 20; Serial No. 195,546; published Dec. 2, 1924.
Societe Anonyme Maison Moet & Chandon, Epernay, France. Wines and champagnes. 204,410; Oct. 20; Serial No. 206,039; published July 28, 1925.
Societe Anonyme Maison Moet & Chandon, Epernay, France. Wines and champagnes. 204,498; Oct. 20; Serial No. 206,038; published Aug. 11, 1925.
Solis Watch Co., New York, N. Y. Watches. 204,553; Oct. 20; Serial No. 213,930; published July 28, 1925.
Southern Gypsum Company Incorporated, North Holston, Va. Gypsum and lime gypsum and cement plaster. 204,634; Oct. 20; Serial No. 215,128; published July 28, 1925.
Sparks Milling Company, Alton, Ill. Gray shorts. 204,504; Oct. 20; Serial No. 210,862; published Aug. 11, 1925.
Speidel, John G., assignor, by mesne assignments, to Speidel Elevator Corp., Reading, Pa. Chain blocks for hoisting machinery. 47,912; renewed Nov. 28, 1925.
Squire, John P., & Company, East Cambridge, Mass. Packing-house products. 204,433; Oct. 20; Serial No. 186,833; published July 7, 1925.
Staatliche Porzellan-Manufactur, Berlin, Germany. Chemical porcelains. 204,592; Oct. 20; Serial No. 209,706; published Aug. 4, 1925.
Stahl, Otto, Inc., New York, N. Y. Meats and meat products. 204,511–12; Oct. 20; Serial Nos. 195,307–8; published Aug. 11, 1925.
Standard Paper Mfg. Co., Manchester; Standard Paper Mfg. Co., Richmond, Va. Blotting paper. 48,031; renewed Oct. 5, 1925.
Staples & Hanford Co., Newburgh, N. Y. Springwork and wire spring supports for chairs, etc. 48,032; renewed Dec. 12, 1925.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 204,408; Oct. 20; Serial No. 209,109; published July 21, 1925.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 204,411; Oct. 20; Serial No. 204,680; published July 21, 1925.
Streator Brick Company, Streator, Ill. Bricks. 204,636; Oct. 20; Serial No. 214,831; published July 28, 1925.
Strong, Cobb & Co., Cleveland, Ohio. Remedy for blood dyscrasia. 47,780; renewed Nov. 21, 1925.
Strong, Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 204,412; Oct. 20; Serial No. 203,342; published July 21, 1925.
Structural Slate Company, The, Pen Argyl, Pa. Enameled and painted slate products. 204,659; Oct. 20; Serial No. 210,090; published July 28, 1925.

Sunblest Confections, Incorporated, Chicago, Ill. Chocolate-covered peanuts and raisins. 204,544; Oct. 20; Serial No. 211,767; published May 12, 1925.
Swan Carburetor Company, The, Cleveland, Ohio. Carburetors, manifolds, and carburetor systems. 204,711; Oct. 20; Serial No. 215,322; published Aug. 4, 1925.
Sweetwater Roller Mills. (See Cagle, Gordon M.)
Syndicate Merchandise Corporation, New York, N. Y. Vacuum tubes for radio devices. 204,443; Oct. 20; Serial No. 213,996; published July 28, 1925.
Tabakin Bros., Newark, N. J. Flannelette diapers and diaper cloth. 204,693; Oct. 20; Serial No. 210,322; published Aug. 4, 1925.
Tamo Company, The. (See Barone, Henry.)
Taylor, E. E., Company, Boston, Mass. Men's women's, and children's boots, shoes, and slippers, and insoles. 204,480; Oct. 20; Serial No. 215,662; published July 28, 1925.
Teagle Company, The, Cleveland, Ohio. Magnetic actuators for sound reproducers. 204,420; Oct. 20; Serial No. 206,383; published July 28, 1925.
Thomlinson, Wm., Ltd., Partick, Glaszow, Scotland. Footballs and football covers. 204,683; Oct. 20; Serial No. 212,977; published Aug. 4, 1925.
Tieton Cold Storage Co., Tieton, Wash. Fresh deciduous fruits and vegetables. 204,642; Oct. 20; Serial No. 216,237; published Aug. 11, 1925.
Tingue, Brown & Co., New York, N. Y. Woven cotton padding for laundry-machinery rolls. 204,554; Oct. 20; Serial No. 213,935; published July 28, 1925.
Titus, Blatter & Company, New York, N. Y. Printed and plain fabrics in the piece of cotton and mixture of cotton and jute. 204,514; Oct. 20; Serial No. 198,768; published July 28, 1925.
Transportation Devices Corporation, Indianapolis, Ind. Reverse gears and automatic cut-off controls. 204,566; Oct. 20; Serial No. 215,032; published Aug. 4, 1925.
Tray Service Company, The, Dallas, Tex. Detachable service trays. 204,561; Oct. 20; Serial No. 214,571; published July 28, 1925.
Tri-Ergon A.-G., Zurich, Switzerland. Sound-recording apparatus. 204,656; Oct. 20; Serial No. 207,419; published July 28, 1925.
Twentieth Century Knitting Mills, Inc., New York, N. Y. Silk textile and silk knitted fabrics in the piece. 204,617; Oct. 20; Serial No. 214,982; published Aug. 4, 1925.
Ubiko Milling Company, The. (See Biles, J. W., Co., The.)
Union Special Machine Company, Chicago, Ill. Sewing machines and parts thereof. 48,038; renewed Dec. 5, 1925.
United Publishers Corporation. (See Williams, David, Company, assignor.)
U. S. Hame Company, Buffalo, N. Y. Hames and parts thereof. 204,607; Oct. 20; Serial No. 215,487; published Aug. 11, 1925.
United States Leather Company, The; Central Leather Company, New York, N. Y., successor. Hemlock sole leather. 47,665; renewed Nov. 14, 1925.
Vivi, Inc., New York, N. Y. Bath salts. 204,564; Oct. 20; Serial No. 214,632; published July 28, 1925.
Voisin, Urbain B., Herault, France. Cement, concrete, lime, plaster, stucco, bricks, and tiles. 204,672; Oct. 20; Serial No. 211,394; published July 14, 1925.
Volcanic Specialties Co., The. (See Hopkins, Robt. C.)
Wabash Chemical & Baking Powder Co., doing business as Wabash Baking Powder Company, Wabash, Ind. Gelatin dessert. 204,710; Oct. 20; Serial No. 215,323; published July 28, 1925.
Wadhams & Co. Inc., Portland, Oreg. Coffee. 204,465; Oct. 20; Serial No. 214,445; published Aug. 11, 1925.
Wadsworth, H. B., Inc., New York, N. Y. Cheese. 204,521; Oct. 20; Serial No. 214,226; published Aug. 11, 1925.
Wahle, Albert, Co., Inc., New York, N. Y. Electric-lighting fixtures and electric lamps. 204,674; Oct. 20; Serial No. 212,053; published July 28, 1925.
Waite Carpet Co., Oshkosh, Wis. Floor rugs of fabric, made of paper and/or grass. 204,524; Oct. 20; Serial No. 213,818; published Aug. 4, 1925.
Walker, Wm. H., & Co., Buffalo, N. Y. Shoes. 204,660; Oct. 20; Serial No. 210,515; published July 28, 1925.
Warner, William R., & Co., Inc., New York, N. Y. Medicinal preparation used as a tonic, etc. 204,706; Oct. 20; Serial No. 215,669; published July 28, 1925.
Washburn-Crosby Company, Minneapolis, Minn. Wheat flour. 47,508; renewed Nov. 7, 1925.
Wasserstrom, Nathan, doing business as N. Wasserstrom & Sons, Columbus, Ohio. Malt sirup for food purposes. 204,654; Oct. 20; Serial No. 215,721; published Aug. 4, 1925.
Watson Shoe Co., Lynn and Boston; Watson Shoe Company, Lynn, Mass. Shoes. 47,647; renewed Nov. 14, 1925.
Welch, Robert H. W., jr., doing business as Oxford Candy Company, Cambridge, Mass. Candies. 204,501; Oct. 20; Serial No. 210,204; published Aug. 11, 1925.
Wellington, Sears & Co., Boston, Mass. Cotton drills. 48,048; renewed Dec. 5, 1925.
Wellman, Matilda R., Montvale, N. J. Psychic board game. 204,705; Oct. 20; Serial No. 215,722; published July 28, 1925.
Wells-Abbott-Nieman Co., Inc., Schuyler, Nebr. Wheat flour. 204,507; Oct. 20; Serial No. 173,015; published Aug. 4, 1925.
Wells, H., Press Company, Inc., Streator, Ill. Automobile bumpers. 204,673; Oct. 20; Serial No. 211,490; published July 28, 1925.
Western Grocer Company, Marshalltown, Iowa. Candy. 204,625; Oct. 20; Serial No. 216,575; published Aug. 11, 1925.
Wetherill, Geo. D., & Co., Inc., Philadelphia, Pa. Ready-mixed paints. 47,895; renewed Nov. 28, 1925.
Whiffen, L. B., & Company, Sterling, Ill. Canned foods, vinegar, jelly, etc. 204,574; Oct. 20; Serial No. 176,146; published July 28, 1925.
Whitney Mfg. Co., Whitney, S. C. Cotton piece goods. 204,445; Oct. 20; Serial No. 213,607; published July 21, 1925.
Whitney Mfg. Co., Whitney, S. C. Cotton piece goods. 204,446; Oct. 20; Serial No. 213,605; published July 21, 1925.
Williams, David, Company, assignor to United Publishers Corporation, New York, N. Y. Trade newspaper. 47,713; renewed Nov. 14, 1925.
Wilson, George C.; Geo. C. Wilson, doing business as The Wilson Chemical Company, Tyrone, Pa. Salves. 47,467; renewed Nov. 7, 1925.
Winchell, Talbot, Los Angeles, Calif. Honey. 204,570; Oct. 20; Serial No. 215,112; published July 28, 1925.
Wittnauer, A., Co., New York, N. Y. Watches, watch-cases, and parts thereof. 204,440; Oct. 20; Serial No. 214,110; published July 28, 1925.
Wolverine Bottling Works, Detroit, Mich. Nonalcoholic, noncereal, maltless beverages. 204,596–7; Oct. 20; Serial Nos. 214,766–7; published July 28, 1925.
Wood-Curtis Company, Sacramento, Calif. Green asparagus. 204,648–9; Oct. 20; Serial Nos. 215,836–7; published Aug. 4, 1925.
Woolson Spice Company, The, Toledo, Ohio. Coffee. 204,425; Oct. 20; Serial No. 202,604; published Jan. 20, 1925.
Wyner, I. A., & Co. Inc., New York, N. Y. Worsted and worsted and cotton mixture piece goods. 204,482; Oct. 20; Serial No. 215,429; published July 28, 1925.
York Manufacturing Co. Inc., New York, N. Y. Cotton piece goods. 204,447; Oct. 20; Serial No. 213,470; published July 21, 1925.

## ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Bauer & Black, Chicago, Ill. The 4 things easy to do to prevent infection. For First-Aid Packets. 29,336; Oct. 20.
Bauer & Black, Chicago, Ill. Bauer & Black Safety 4. For First-Aid Packets. 29,337; Oct. 20.
Bergquist, Oscar S., Galesville, Wis. Bortoban. For Liquid Used in the Treatment of Contagious Abortion in Cattle. 29,338; Oct. 20.
Blackman, Clara, St. Paul, Minn. Blackman's Asthma remedy and relief. For a Liquid Medicine. 29,339; Oct. 20.
Deal, Louis and M. B., doing business as David Kerr, Baltimore, Md. Kerr's Mayonnaise. For Mayonnaise. 29,340; Oct. 20.
Deal, Louis and M. B., doing business as David Kerr, Baltimore, Md. Kerr's Relish. For Relish. 29,341; Oct. 20.
Devil Brick Chili Co. (See Sanchez, Antonio.)
Fisher, Norman A., Los Angeles, Calif. Directions. For Varnishes and Enamels. 29,342; Oct. 20.
Fisher, Norman A., Los Angeles, Calif. Fisher's Bak-E-Nam-El. For Varnishes and Enamels. 29,343; Oct. 20.
Gravenstein Apple Growers Co-Operative Association of Sonoma County, Sebastopol, Calif. Jackie Boy. For Fresh Apples. 29,344. Oct. 20.
Hochberg, Max, Brooklyn, N. Y. International. For Barley-Malt Extract. 29,345; Oct. 20.
International Salt Company, Inc., New York, N. Y., and Scranton, Pa. Runfre Salt. For Salt. 29,346; Oct. 20.
Jetter Beverage Company, Omaha, Nebr. Sahara. For Ginger Ale. 29,347; Oct. 20.
Kellogg Company, Battle Creek, Mich. Coffeola. For Cereal Food. 29,348; Oct. 20.
Kerr, David. (See Deal, Louis and M. B.)
"L" Specialty Company, The. (See Laskow, Louis.)
Laskow, Louis, doing business as The "L" Specialty Company, St. Louis, Mo. Mystico. The Perfect Rug and Carpet Cleaner. For a Chemical Compound for Cleaning Rugs and Carpets. 29,349; Oct. 20.



La Vera Cigar Co., Chicago, Ill. Tom Hughes. For Cigars. 29,350; Oct. 20.
Lovegran, Godfrey T., Rockford, Ill. Best-Ever. For a Chemical Cleaning Compound. 29,351; Oct. 20.
Miller, Samuel L., doing business as S. L. Miller Company, Pittsburgh, Pa. Russian Cream Metamorphose. For a Skin Salve and Cream. 29,352; Oct. 20.
National Carbon Company, Inc., New York, N. Y. Columbia High Tension Radio 'C' Battery. For Electric Batteries. 29,353; Oct. 20.
Nicholson, Harry G., Rice Lake, Wis. Nicholson's Fancy Brand. For Potatoes. 29,354; Oct. 20.
Northwest Fruit Distributors, Seattle, Wash. Snoboy. For Fresh Apples. 29,355; Oct. 20.
Northwest Fruit Distributors, Seattle, Wash. Standby. For Fresh Apples. 29,356; Oct. 20.
Reach, A. J., Company, Philadelphia, Pa. The Cushioned Cork Center Ball. For Baseballs. 29,357; Oct. 20.
Ringler Rose Co., Chicago, Ill. Pearl Confetti. For Crushed Shells. 29,358; Oct. 20.
Saint Louis Bread Company, St. Louis, Mo. Mound City. For Bread. 29,359; Oct. 20.
Sanchez Antonio, doing business as Devil Brick Chili Co., San Antonio, Tex. Devil-Brick. For Chili Con Carne. 29,360; Oct. 20.
Schurmann, W. A., & Company, Inc., Chicago, Ill. Selected Eggs. For Eggs. 29,361; Oct. 20.
Shu-Milk Products Corp., Newark, N. J. Shu-Milk. For Preparation for Cleaning All Kinds of White Shoes. 29,362; Oct. 20.
Stoll & Edwards Co. Inc., New York, N. Y. Adventures of Tom Sawyer and Huck Finn. For a Game. 29,363; Oct. 20.
Sunshine Laboratories, Inc., Portland, Oreg. Liquid Sunshine. For Metal and Wood Polish. 29,364; Oct. 20.
Verrier, William, Asbury Park, N. J. Putsit-Keepsit. For Hair Tonic. 29,365; Oct. 20.
Watson, H. E., Co., Erie, Pa., and Chicago, Ill. Polychrome. For Shingles. 29,366; Oct. 20.
Wilbur, H. O., & Sons, Incorporated, Philadelphia, Pa. Wilbur's Prepared Cocoa Cubes. For Cocoa and Sugar Molded Into Cubical Form. 29,367; Oct. 20.
Woolley, Daniel P., New York, N. Y. Sailor Boy. For Bread. 29,368; Oct. 20.
Young, Charles N., Pittsburgh, Pa. Young's Asthma Remedy. For a Medicinal Preparation. 29,369; Oct. 20.
Zellnkoff, Samuel M., Tulsa, Okla. Your Ideal Dust-Cloth. For Dust Cloths. 29,370; Oct. 20.

## ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. B. C. Stores, Incorporated, The, Houston, Galveston, and Beaumont, Tex. Eggs and coffee. 203,773; Oct. 20.
Ajax Motors Company, Racine, Wis. Motor vehicles. 215,328; Oct. 20.
Alamo Packing Co., Heber and Los Angeles, Calif. Fresh vegetables. 212,224; Oct. 20.
Alberti, Ditta G., Benevento, Italy. Maltless beverage. 213,956; Oct. 20.
Allright Manufacturing Company, The, Rural Hall, N. C. Toilet seats. 217,596; Oct. 20.
American Appliance Co., Cambridge, Mass. Rectifier tubes. 219,101; Oct. 20.
American Blower Company, Detroit, Mich. Centrifugal fans, propeller fans, tobacco-curing machinery, etc. 212,773; Oct. 20.
American Bosch Magneto Corporation, Springfield, Mass. Radio receiving sets. 219,567; Oct. 20.
American Bosch Magneto Corporation, Springfield, Mass. Loud speakers for radio apparatus. 219,568; Oct. 20.
American Cellulose & Chemical Manufacturing Company, Ltd., The, New York, N. Y. Men's half hose. 217,242; Oct. 20.
American Glue Company, Boston, Mass. Abrasive papers and cloth. 219,651; Oct. 20.
American Sales Book Company Limited, Toronto, Canada, and Niagara Falls and Elmira, N. Y. Paper sheets, strips, rolls, pads, etc. 197,406; Oct. 20.
American Sales Book Company Limited, Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y. Paper sheets, strips, rolls, pads, printed forms, etc. 210,214; Oct. 20.
American Sales Book Company Limited, Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y. Paper sheets, strips, rolls, pads, printed forms, etc. 214,453; Oct. 20.
American Trona Corporation, New York, N. Y. Mixture of borax and a double salt of trisodium phosphate and sodium metaborate. 218,681; Oct. 20.
Anderson, Doolittle & Doolittle, Yakima, Wash. Brake liners. 213,824; Oct. 20.
Arctic Fruit Ale Company, Detroit, Mich. Beverages. 217,849–52; Oct. 20.
Armstrong-Blum Manufacturing Company, Chicago, Ill. Hack-saw machines, metal-punching machines, metal-bending machines, etc. 212,990; Oct. 20.
Associated Laboratories, Inc., doing business as Vendomatic Corporation, New York, N. Y. Chocolate-coated fruit cake. 217,692; Oct. 20.
Atlantic Mills, The, Olneyville, R. I. All-worsted dress fabrics. 218,443; Oct. 20.
Avri Drug & Chemical Company, Jersey City, N. J. Talcum powder. 218,893; Oct. 20.
Bakelite Corporation, New York, N. Y. Buttons and buckles. 216,818; Oct. 20.
Baker Paint & Varnish Co., also doing business as Communipaw Paint Works and Lafayette Paint Works, Jersey City, N. J. Dry, paste, and ready-mixed paints. 213,886; Oct. 20.
Basterreix, Pierre P., Butte, Mont. Electrical direction signal lamps and switches therefor for vehicles. 218,444; Oct. 20.
Bauman, Fred, Reading, Ohio. Healing salve. 217,752; Oct. 20.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 215,729; Oct. 20.
Becker, Walter C., Philadelphia, Pa. Pickle melange, sweet pickle, cucumber relish, etc. 216,667; Oct. 20.
Beggs & Cobb, Incorporated, Boston, Mass. Leather insoles and leather shoe linings. 212,057; Oct. 20.
Beldam Packing & Rubber Company Limited, London, England. Packings of all kinds, hose, india rubber, gutta-percha, etc. 206,102; Oct. 20.
Bender, Lillian M., San Francisco, Calif. Clothes racks. 211,825; Oct. 20.
Benevolent and Protective Order of Elks of the United States of America, New York, N. Y. Monthly magazine. 209,621; Oct. 20.
Best Ever Slipper Co., Inc., The, Brooklyn, N. Y. Men's and women's bedroom and house slippers. 217,855; Oct. 20.
Binney & Smith Company, New York, N. Y. Carbon black in dry form. 217,856; Oct. 20.
Blue Hill Candy Co. (See Catsigianis, Otto P.)
Blum Store, The, Philadelphia, Pa. Women's and misses' suits, coats, dresses, wraps, capes, etc. 218,041; Oct. 20.
Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 219,524; Oct. 20.
Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 219,574–5; Oct. 20.
Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 220,107; Oct. 20.
Bobb, G. W., Company, The, Columbus, Ohio. Canned fruits and vegetables, dried fruits, and catchup. 218,449; Oct. 20.
Boston Brass Company, Waltham, Mass. Boiler relief valves. 218,099–100; Oct. 20.
Bouquet Brownson Co., Inc., St. Paul, Minn. Mops. 219,711; Oct. 20.
Brecht Candy Company, The, Denver, Colo. Candy. 217,251; Oct. 20.
Bulletin Record Publishing Co. Inc., Chicago, Ill. Daily publication. 217,756; Oct. 20.
Burke Golf Company, The, Newark, Ohio. Shafts for golf clubs. 218,161; Oct. 20.
Cambern Brothers, Spokane, Wash. Breads of all kinds and a compound used in making breads. 215,504; Oct. 20.
Carbide & Carbon Chemicals Corporation, New York, N. Y. Gasoline. 219,227; Oct. 20.
Cardinal Petroleum Company, Muskegon, Mich. Gasoline, kerosene, benzol, lubricating oils and greases. 215,892; Oct. 20.
Carrier, Lyman, Coquille, Oreg. Grass seed. 216,146; Oct. 20.
Catsigianis, Otto P., doing business as Blue Hill Candy Co., St. Louis, Mo. Candies. 218,049; Oct. 20.
Central Lemon Association, Villa Park, Calif. Oranges, lemons, and grapefruit. 216,879; Oct. 20.
Central Lemon Association, Villa Park, Calif. Oranges, lemons, and grapefruit. 216,882; Oct. 20.
Central States Paper Distributing Company, St. Louis, Mo. Printed craft paper. 218,050; Oct. 20.
Chemical Utilities Co. (See Harper, Ervin B.)
Chemische Fabrik Pott & Co., Dresden, Germany. Soaps and purification and washing powders. 196,432; Oct. 20.
Chirometer Sales Company. (See Hayman, George R.)
Chirpoo Chemical Company. (See Cummings, Thomas L.)
Clark, Joseph H., San Francisco, Calif. Hosiery. 208,569; Oct. 20.
Cohen, Morris, New Haven, Conn. Hosiery. 217,071; Oct. 20.
Cohen, S., & Co., New York, N. Y. Ladies' Underwear. 219,381; Oct. 20.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cohn-Hall-Marx Co., New York, N. Y. Cotton fabrics, mixtures of cotton and silk, mixtures of cotton and wool, etc. 218,009; Oct. 20.
Columbia Pictures Corporation, New York, N. Y. Moving pictures. 213,487; Oct. 20.
Communipaw Paint Works. (See Baker Paint & Varnish Co.)
Compo-Board Co., The, Minneapolis, Minn. Artificial lumber. 217,758; Oct. 20.
Cooper Corporation, The, Cincinnati, Ohio. Battery eliminators. 218,797; Oct. 20.
Corrado Bros., New York, N. Y. Olive oil. 217,818; Oct. 20.
Country Club Produce Company. (See Rorke, Harold M.)
Crescent Laboratories, Morristown, Pa. Maltless beverage and sirups and concentrates. 212,175; Oct. 20.
Crown Rubber Manufacturing Co. (See Rindskopf, Herbert A.)
Cummings, Thomas L., doing business as Chirpoo Chemical Company, Houston, Tex. Soaps. 213,009; Oct. 20.
Damascus Manufacturing Corporation, Cleveland, Ohio. Oil compound. 217,136; Oct. 20.
Decatur Brick Mfg. Co., Decatur, Ill. Bricks. 201,288; Oct. 20.
Delano, Potter & Co., Inc., Boston, Mass. Tea and coffee. 219,531; Oct. 20.
De Luxe Cake Decorator Company, Minneapolis, Minn. Cake decorators. 217,864; Oct. 20.
Detmer, Bruner & Mason, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 219,234; Oct. 20.
Devoine Company, The, Baltimore, Md. Liquid chocolate sauce. 219,029; Oct. 20.
Diamant Tool & Mfg. Co., Inc., Newark, N. J. Game board. 216,888; Oct. 20.
Diamond Bottling Corporation, Waterbury, Conn. Beverages. 218,954–5; Oct. 20.
Direct Mattress Company, Dallas, Tex. Mattresses. 216,025–6; Oct. 20.
Dixie Metal Products Co., Birmingham, Ala. Metal cabinets for radiators, hot-air registers, and heaters. 208,578; Oct. 20.
Dize, Archie T., doing business as Dize Awning and Tent Company, Winston-Salem, N. C. Awnings, tents, window shades, truck covers, etc. 217,263; Oct. 20.
Dize, Archie T., doing business as Dize Awning and Tent Company, Winston-Salem, N. C. Awnings, tents, window shades made of canvas, truck covers, flags, etc. 217,605; Oct. 20.
Eagle Woodenware Manufacturing Company, The, Hamilton, Ohio. Mop wringers. 208,285; Oct. 20.
Eastern Cotton Oil Company, Norfolk, Va. Monthly publication. 217,700; Oct. 20.
Elbar Laboratories. (See Lyndall, Frank S.)
Elrod, Hugh B., doing business as Nox-It Products Company, Not Incorporated, Chicago, Ill. Metal polish in liquid form. 218,296; Oct. 20.
Embalmers Supply Company, The, Westport, Conn. Embalming fluid. 218,355; Oct. 20.
Empire Milling Company, Minneapolis, Minn. Wheat flour. 216,900; Oct. 20.
Eskimo Pie Corporation, Louisville, Pa. Frozen confections. 217,704; Oct. 20.
Famous Candy Co. (See Malamusis, James.)
Famous Story Publishing Company, The. (See "I Confess" Publications, assignor.)
Farrell, George H., Chicago, Ill. Frozen cream, sugar and fruit used in preparing sandwiches. 218,803; Oct. 20.
Fenton and Butler, Columbus, Ohio. Leather shoes. 218,300; Oct. 20.
Fey Mfg. Co., Manchester, N. H. Women's coats. 217,340; Oct. 20.
Fibre Products Company. (See Resnick, Myer J.)
Fifth Avenue Styles, Inc., New York, N. Y. Dresses. 218,252; Oct. 20.
Flint-Rock Stucco Company The, Ingomar and Dayton, Ohio. Base to which stucco and plaster is to be applied. 217,080; Oct. 20.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 219,581–3; Oct. 20.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 219,621; Oct. 20.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 219,735–6; Oct. 20.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 220,278–80; Oct. 20.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 220,299; Oct. 20.
Fowler Commission Co., Inc., Shreveport, La. Wheat self-rising flour. 214,718; Oct. 20.
Frankenfeld, Leo., Hoboken, N. J. Exercising apparatus. 214,721; Oct. 20.
Franz, John W., doing business as Franz Invention Company, St. Louis, Mo. Outdoor or indoor game played with stakes and rings. 214,070; Oct. 20.
Friedrichs, E. H. & A. C., Co., New York, N. Y. Artists' clay. 216,595; Oct. 20.
Furlager, Louis I., doing business as Sifta Puff Co., New York, N. Y. Refillable powder puffs. 219,175; Oct. 20.
Galeton Dairy Products Co. (See Sterling, D. L. & Sons, Inc.)
Gathmann Engineering Company, The, Baltimore, Md. Shrink-head casings for ingot molds. 219,068; Oct. 20.
Germundson, Albert, Elbow Lake, Minn. Horse collars. 218,120; Oct. 20.
Goerz Flour Mills Company, The, Newton, Kans. Wheat flour. 217,872; Oct. 20.
Gold Dust Corporation, Jersey City, N. J. Soap flakes. 219,738–9; Oct. 20.
Golden West Laboratories, The. (See Zachos, Louis G.)
Goldsmith, P., Sons Company, The, Cincinnati, Ohio. Golf balls, base, tennis, foot, and basket balls, baseball bats, etc. 218,406–7; Oct. 20.
Goodman Bursetown, Houston, Tex. Pencils. 218,537; Oct. 20.
Goodrich, B. F., Company, The, New York, N. Y. Hose composed of rubber and fibrous material. 218,753; Oct. 20.
Graham Paper Company, St. Louis, Mo. Book paper. 212,922; Oct. 20.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Soap. 219,179; Oct. 20.
Greenfield's, E., Sons, New York and Brooklyn, N. Y. Candies and chocolates. 214,547; Oct. 20.
Griffin Manufacturing Co., Inc., New York, N. Y. Cleaning fluid. 205,118; Oct. 20.
Groundulet Company, Newark, N. J. Electrical fittings. 219,482; Oct. 20.
Hans Renold Limited, Didsbury, near Manchester, England. Driving chains. 212,043; Oct. 20.
Harper, Ervin B., doing business as Chemical Utilities Co., Dallas, Tex. Deodorants and disinfectants. 219,667; Oct. 20.
Harris, Samuel A., New York, N. Y. Fountain pens. 215,150; Oct. 20.
Hayman, George R., doing business as Chirometer Sales Company, Bay Shore, N. Y. Electrical apparatus for locating pathological conditions. 218,639; Oct. 20.
Henry, Carl, Incorporated, New York, N. Y. Cigars, cigarettes, and smoking tobacco. 216,534; Oct. 20.
Higginbotham-Bailey-Logan Company, Dallas, Tex. Underwear, outerwear, and ready-to-wear garments. 218,174; Oct. 20.
Highland Ice Cream Co. (See Stull, David L.)
Hillerich & Bradsby Co., Louisville, Ky. Baseball bats. 218,486; Oct. 20.
Hoch-Unix Malt Co. (See Mazer, Michael.)
Homer, Harry H., doing business as Homer Accurapid Works, Monterey, Calif. Liquid-measuring meters and gauges. 218,306; Oct. 20.
Honeycup Ice Cream Co., Middlesboro, Ky. Ice cream. 218,814; Oct. 20.
Hooker, Clayton W., Los Angeles, Calif. Fresh fruits, vegetables, melons, etc. 212,924; Oct. 20.
Hughes, Derias M., doing business as Dr. D. M. Hughes Medicine Company, Bonanza, Ky. Veterinary preparations for the treatment of blisters, burns, colic, etc., and preparations for human beings. 211,169; Oct. 20.
Hunt, Helm, Ferris & Co., Harvard, Ill. Coaster wagons, wheeled vehicles, pull motors, etc. 215,981; Oct. 20.
Hunt, Helm, Ferris & Co., Harvard, Ill. Toy wagons. 217,618; Oct. 20.
"I Confess" Publications, assignor to The Famous Story Publishing Company, Inc., New York, N. Y. Magazine. 217,154; Oct. 20.
Illinois Duster Company, Chicago, Ill. Wool dusters. 217,517; Oct. 20.
International Steel Wool Corporation, Springfield, Ohio. Steel wool and soap. 218,974; Oct. 20.
Ivory Garter Company, New Orleans, La. Hose supporters. 201,034; Oct. 20.
Jacobson Brothers, doing business as Pittsburgh Trouser Company, Pittsburgh, Pa. Trousers, pants, shirts, etc. 218,020; Oct. 20.
Jaeger, Oswald Baking Company, Milwaukee, Wis. Bread. 218,184; Oct. 20.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 207,365; Oct. 20.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 207,378; Oct. 20.
Joannes Corporation, Los Angeles, Calif. Coffee, tea, spices, and food-flavoring extracts. 216,183; Oct. 20.
Johnston, Robert A., Company, Milwaukee, Wis. Candy. 212,272; Oct. 20.
Kandi Underwear Company, New York, N. Y. Underwear for men and boys. 216,732; Oct. 20.
King Features Syndicate, Inc. Newspaper section. 217,626; Oct. 20.
Kol-O-Heat Mfg. Co. (See Mudge, Robert W.)
Krum Bros., New York, N. Y. Vegetable oil. 214,167; Oct. 20.
Lafayette Paint Works. (See Baker Paint & Varnish Co.)
Lake Chelan Fruit Growers, Chelan, Wash. Fresh apples. 219,672; Oct. 20.
Lang Knitting Mills, Inc., New York, N. Y. Knitted underwear and hosiery and dresses for misses, ladies, and juniors. 217,568; Oct. 20.
Lauer, Frederick W., doing business as Fred Lauer, Chicago, Ill. Miniature cedar chests and candy boxes. 218,314; Oct. 20.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Lee, Frank H., Company, The, Danbury, Conn. Hats for men and boys. 219,436; Oct. 20.
Levy, S. J., & Sons, New York, N. Y. Hosiery. 219,341; Oct. 20.
Liverpool Borax Co., Ltd., The, Liverpool, England. Soap and cleaning powder. 194,723; Oct. 20.
Los Angeles Soap Company, Los Angeles, Calif. Soap. 198,654; Oct. 20.
Louisville Milling Company, Minneapolis, Minn. Wheat flour. 218,978; Oct. 20.
Lyndall, Frank S., doing business as Elbar Laboratories, Chicago, Ill. Lubricating oil. 218,979; Oct. 20.
Maas, Arthur R., doing business as A. R. Maas Chemical Co., Los Angeles, Calif. Sodium hyposulphate, sodium carbonate, etc. 204,462; Oct. 20.
Mabley and Carew Co., The, Cincinnati, Ohio. Corsets. 219,751; Oct. 20.
Malamusis, James, doing business as Famous Candy Co., Cordele, Ga. Candy. 216,348; Oct. 20.
Maltop, Inc., Buffalo, N. Y. Cake, bread, candy, and ice cream. 218,710; Oct. 20.
Manhattan Band Instrument Co. Inc., New York, N. Y. Ukuleles, banjo ukuleles, tenor banjos, etc. 219,087; Oct. 20.
Marshall Field & Company, Chicago, Ill. Men's suits. 216,521; Oct. 20.
Marshall, J. E., doing business as Marshall Company, St. Joseph, Mo. Tube patches. 219,637; Oct. 20.
Mars-Stone Manufacturing Company, Haddonfield, N. J. Art clay. 212,340; Oct. 20.
Mary, Countess of Limburg Stirum, Geneva, Switzerland. Shoulder straps for lingerie and fasteners therefor. 216,738; Oct. 20.
Mauser-Werke Aktiengesellschaft, Oberndorf on the Neckar, Germany. Compasses, patterns, rules, etc. 215,161; Oct. 20.
Maxim Co., The, New York, N. Y. Women's outerwear. 217,474; Oct. 20.
May, Lee J., Cairo, Ill. Men's clothing. 217,571–2; Oct. 20.
Mazer, Michael, doing business as Hoch-Unix Malt Co., Springfield, Mass. Malt sirup. 217,888–9; Oct. 20.
McAvoy Company, Chicago, Ill. Malt beverages and malt tonic. 216,554; Oct. 20.
McLachlan, H., & Company, Danbury, Conn. Felt hats in the rough. 218,074; Oct. 20.
McLean, Andrew, Company, Passaic, N. J. Linen cloth for millinery and hat manufacture purposes. 218,497; Oct. 20.
Middishade Company, The, Philadelphia, Pa. Men's suits. 219,403; Oct. 20.
Milliner Dairy Company, Norfolk, Va. Food product containing sugar and milk and a food product containing cocoa, sugar, and milk. 194,728; Oct. 20.
Minneapolis Milling Company, Minneapolis, Minn. Wheat flour. 217,283; Oct. 20.
Moorman Mfg. Co., Quincy, Ill. Prepared stock feed. 200,403; Oct. 20.
Mosquera, Leoncio, Philadelphia, Pa. Cigarettes. 215,264; Oct. 20.
Motor Equipment Manufacturers, Inc., New York, N. Y. Locking radiator caps. 201,933; Oct. 20.
Mudge, Robert W., doing business as Kol-O-Heat Mfg. Co., Detroit, Mich. Thermally-insulated receptacles. 213,314; Oct. 20.
N. D. Q. Specialty Corporation, Brooklyn, N. Y. Birthday-cake candle holders, Christmas-tree reflectors. 217,476; Oct. 20.
National Cardioscope Co., Inc., San Francisco, Calif. Self-erasing memorandum pads. 192,218; Oct. 20.
National Gum Co., Inc., The, Newark, N. J. Chewing gum. 219,679; Oct. 20.
National Mill & Lumber Company, San Francisco, Calif. Cabinet ironing boards. 211,117; Oct. 20.
National Petticoat Manufacturing Co. (See Stern, Isidor.)
National Shirt Shops, Inc., New York, N. Y. Men's collars and shirts. 219,133; Oct. 20.
New Mix Products, Inc., New York, N. Y. Soaps. 219,981; Oct. 20.
Nicholas, Richard E., doing business as To-To Products Co., Chicago, Ill. Vanishing and massage creams, face powders, perfumes, etc. 219,680; Oct. 20.
North Metal & Chemical Co. Inc., York, Pa. Cleaning preparation. 219,041; Oct. 20.
Notari Bros., Scranton, Pa. Bread. 216,113; Oct. 20.
Nox-It Products Company Not Incorporated. (See Elrod, Hugh B.)
O. D. Specialty Company. (See Peter, Michael.)
O'Donnell Shoe Company, St. Paul, Minn. Shoes of leather or fabric and having soles of leather or rubber. 214,879; Oct. 20.
"Ofome" Company Limited, The, London, England. Soap. 218,320; Oct. 20.
Oliver Machinery Co., Grand Rapids, Mich. Woodplaning machines. 219,682; Oct. 20.
Omo Manufacturing Company, The, Middletown, Conn. Dress shields, collar bands, narrow elastic web, and bias tape. 216,984; Oct. 20.
Orange-Well, Inc., St. Louis, Mo. Beverage. 216,426; Oct. 20.
Osborn, C. D., Co., Chicago, Ill. Mittens and gloves. 213,855–6; Oct. 20.
Osborn, C. D., Co., Chicago, Ill. Mittens and gloves. 214,677; Oct. 20.
Pacific Novelty Company, New York, N. Y. Hair combs. 218,202; Oct. 20.
Padmore, Arthur M., Minneapolis, Minn. Liquid oil stain and filler for wood. 190,516; Oct. 20.
Paristyle Garment Company, assignor to Paristyle Apparel, Inc., St. Louis, Mo. Coats, suits, dresses, capes, etc. 218,522; Oct. 20.
Park Lane Studios Inc., New York, N. Y. Photographs. 214,092; Oct. 20.
Park & Tilford, New York, N. Y. Candies. 213,989; Oct. 20.
Parker, Jane, New York, N. Y. Ladies' hats. 219,045; Oct. 20.
Peter, Michael, doing business as O. D. Specialty Company, Chicago, Ill. Malt extracts. 218,871; Oct. 20.
Phoenix Horse Shoe Company, Chicago, Ill. Horseshoes. 210,923; Oct. 20.
Piedmont Creamery Company, Incorporated, The Plains, Va. Butter. 206,366; Oct. 20.
Piper and Salerno Co., Inc., New York, N. Y. Ladies' topcoats. 219,136; Oct. 20.
Piper and Salerno Co., Inc., New York, N. Y. Sport fabric and topcoats for ladies. 219,137–8; Oct. 20.
Pittsburgh Trouser Company. (See Jacobson Brothers.)
Piver, L. T., Inc., Wilmington, Del., and New York, N. Y. Toilet soaps. 219,603; Oct. 20.
Poplar Bluff Rubber Company, Poplar Bluff, Mo. Inner tires. 217,420; Oct. 20.
Porter, Charles T., doing business as The Pyl-Tox Co., Bay City, Mich. Pile remedy. 219,693; Oct. 20.
Powers, John L., Indianola, Iowa. Men's and boys' suits and overcoats. 204,115; Oct. 20.
Prescott, J. L., Company, New York, N. Y. Paint enamel. 213,858; Oct. 20.
Prince, Meyer, New York, N. Y. Women's, misses', and children's clothing. 217,529; Oct. 20.
Public Press Corporation, New York, N. Y. Newspaper column. 216,933; Oct. 20.
Pyl-Tox Co., The. (See Porter, Charles T.)
Red Sun Products Co., Chicago, Ill. Malt sirup for food purposes. 218,828; Oct. 20.
Resnick, Myer J., doing business as Fibre Products Company, Plymouth, Mass. Plaster. 214,823; Oct. 20.
Reuter-Lorenzen, P., Detroit, Mich. Plastic compound for coating brick and tiles, fireplaces, and mantles. 212,149; Oct. 20.
Rice-Stix Dry Goods Company, St. Louis, Mo. Dresses and aprons. 216,477; Oct. 20.
Richman & Samuels, New York, N. Y., and Brawley and Los Angeles, Calif. Melons and fresh vegetables. 214,749; Oct. 20.
Rindskopf, Herbert A., doing business as Crown Rubber Manufacturing Co., Brooklyn, N. Y. Rubber goods and goods made of rubber composition. 218,663; Oct. 20.
Rockwell-Barnes Company, Chicago, Ill. Typewriter paper. 200,342; Oct. 20.
Rorke, Harold M., doing business as Country Club Produce Company, Kansas City, Mo. Thousand Island dressing and sandwich spread. 204,424; Oct. 20.
Rosaman Brothers, New York, N. Y. Cotton goods, cotton and silk goods, and artificial-silk goods in the piece. 216,995; Oct. 20.
Rossville Packing Co., The, Rossville, Ill. Canned corn. 218,207; Oct. 20.
Rotary Hosiery Shops, Inc., Brooklyn, N. Y. Hosiery. 218,374; Oct. 20.
Rothman, Benjamin, Inc., New York, N. Y. Shoes. 219,142; Oct. 20.
Rubber-On Metal Welding Corporation, New York, N. Y. Automobile running-board treads. 213,922; Oct. 20.
Ruehl, William, Milwaukee, Mich. Coffee, cinnamon, cloves, pepper, pickles, etc. 203,330; Oct. 20.
St. Clairs' (Inc.), Boston, Mass. Confectionery. 200,344; Oct. 20.
San Antonio Portland Cement Co., San Antonio, Tex. Portland cement. 215,755; Oct. 20.
Sarubi, J., Company, Providence, R. I. Preparation for the treatment of scalp and removal of dandruff. 218,501; Oct. 20.
Schield, Wm., Mfg. Co., St. Louis, Mo. Cleanser or cleaning, scouring, or washing powder. 218,336; Oct. 20.
Schloss, Adolphe, Fils & Cie., Paris, France. Vases, plates, cups, etc., made of crockery. 208,431; Oct. 20.
Scott, A. & R., Limited, Colinton, Midlothian, Scotland. Prepared oats for food. 208,163; Oct. 20.
Scott, Allen C., doing business as Scott Mfg. Company, Omaha, Nebr. Shipping containers. 214,505; Oct. 20.
Scott-Sullivan Paint Co., St. Louis, Mo. Paints, colors in oil, varnish stains, etc. 217,901; Oct. 20.
Shaffer Stores Company, Altoona, Pa. Canned vegetables, flour, butter, etc. 218,211; Oct. 20.
Shriro Brothers, Inc., New York, N. Y. Hosiery. 219,853; Oct. 20.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Shurry Beverage Company. (See Snyder, Sherwood P.)
Sifta Puff Co. (See Furlager, Louis I.)
Sims Milling Company, Frankfort, Ind. Wheat flour. 217,903; Oct. 20.
Sioux Candy Co., Sioux City, Iowa. Candy. 215,946; Oct. 20.
Smalley, Kivlan & Outhank, Boston, Mass. Rubber jar rings. 219,783; Oct. 20.
Snyder, Sherwood P., doing business as Shurry Beverage Company, Dayton, Ohio. Beverages and sirups and extracts for making the same. 218,876; Oct. 20.
Snyder-Welch-Process Corporation, Boston, Mass. Patent leather. 217,740; Oct. 20.
Solex Drug Company, Belleville, N. J. Oral prophylactic. 218,147; Oct. 20.
Standard Mattress & Furniture Manufacturing Co., San Diego, Calif. Mattresses. 219,151; Oct. 20.
Star and Crescent Milling Company, Minneapolis, Minn. Wheat flour. 219,016; Oct. 20.
Star Metal Mfg. Co., Philadelphia, Pa. Coffee urns, steam tables, griddles, etc. 218,932; Oct. 20.
Stemar Displays Co., Chicago, Ill. Cardboard cartons. 212,838; Oct. 20.
Sterling, D. L., & Sons, Inc., also doing business as Galeton Dairy Products Co., New York, N. Y., and Galeton, Pa. Condensed milk. 217,803; Oct. 20.
Stern, Isidor, doing business as National Petticoat Manufacturing Co., New York, N. Y. Underwear. 213,863; Oct. 20.
Stull, David L., doing business as Highland Ice-Cream Co. Birmingham, Ala. Ice cream. 219,047; Oct. 20.
Suomen Osuuskauppojen Keskuskunta, R. L., Helsingfors, Finland. Safety matches. 215,105; Oct. 20.
Suomen Osuuskauppojen Keskuskunta, R. L., Helsingfors, Finland. Safety matches. 219,311; Oct. 20.
Sussberg, Victor L., doing business as V. L. Sussberg Co., New York, N. Y. Undergarments. 218,933; Oct. 20.
Sweet, Laurence A., Manufacturing Company, Los Angeles, Calif. Radiator caps. 215,602–8; Oct. 20.
Taylor Bramley Company, The, Chicopee, Mass. Infants' and children's clothing. 201,782; Oct. 20.
Tennessee Stove Works, Chattanooga, Tenn. Cooking stoves and ranges for wood, coal, and gas. 217,428; Oct. 20.
Theonett & Co., Chicago, Ill. Beverages sold as soft drinks and flavored sirups and extracts for making the same. 217,373; Oct. 20.
Thomas, R., & Sons Co., The, East Liverpool, Ohio. Electrical insulators, insulator fittings and pins. 219,155; Oct. 20.
Thurber, Leona H., Los Angeles, Calif. Face pack, face powder, face tonic. 213,206; Oct. 20.
To-To Products Co. (See Nicholas, Richard E.)
Toutmain, Inc., New York, N. Y. Ladies' dresses. 218,509; Oct. 20.
Tribond Sales Corporation, New York, N. Y. Hosiery. 219,314–16; Oct. 20.
True Story Films Inc., New York, N. Y. Motion-picture films. 217,906; Oct. 20.
Turner Oklahoma Company, Oklahoma City, Okla. Tomatoes. 218,672; Oct. 20.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber tires. 216,370; Oct. 20.
United States Rubber Company, New York, N. Y. Waterproof coats composed of fabric and rubber. 215,034; Oct. 20.
United States Rubber Company, New York, N. Y. Floats and rafts for bathers and accessories thereof. 216,806; Oct. 20.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Clay used as a raw material. 214,038; Oct. 20.
Vendomatic Corporation. (See Associated Laboratories, Inc.)
Vertex Hosiery Mills, Inc., Weissport, Pa. Hosiery. 218,380; Oct. 20.
W. H. Keyless Lock Company, Limited, Honolulu, Hawaii, and Hartford, Conn. Locks. 219,095; Oct. 20.
Waitt & Bond, Inc., Newark, N. J. Cigars. 218,382–4; Oct. 20.
Walnott Knitting Company, Utica, N. Y. Knitted coats. 219,050; Oct. 20.
Watkins, J. R., Company, The, Winona, Minn. Soap. 219,360; Oct. 20.
Weinreich, David J., doing business as Joseph Weinreich, Dayton, Ohio. Cigars. 217,842; Oct. 20.
Weinroth, Max, Philadelphia, Pa. One and two piece underwear, bathing suits, and hosiery. 215,285; Oct. 20.
Weller, Franklin P., Washington, D. C. Preparation of tripoli used as metal polishers, cleaners, and burnishers. 214,937; Oct. 20.
Westbrook Tank Line Co., St. Paul, Minn. Gasoline. 217,000; Oct. 20.
Wheeler, Osgood Company, The, Tacoma, Wash. Veneered, laminated, or built-up doors. 215,493; Oct. 20.
Whitaker Paper Company, The, Cincinnati, Ohio. Writing, ledger, and bond paper. 209,327; Oct. 20.
White & Bagley Company, The, Worcester, Mass. Motor oils and machine lubricants. 217,691; Oct. 20.
White, Harrison, Inc., New York, N. Y. Plastic composition. 212,435; Oct. 20.
Whittaker, Grace A., San Francisco, Calif. Natural mineral salt used as a bath crystal and internal salt for rheumatism, uric acid, etc. 218,278; Oct. 20.
Williams, J. A., & Company, Pittsburgh, Pa. Enameled cooking utensils. 217,238; Oct. 20.
Wilson-Maeulen Co. Inc., New York, N. Y. Hardness-tester penetrators. 218,148; Oct. 20.
Win-Tone Sales Company, New York, N. Y. General medicinal tonic. 214,845; Oct. 20.
World Bestos Corporation, New York, N. Y. Transmission, brake, and friction linings. 211,649; Oct. 20.
Young & Sullivan, Pontiac, Mich. Auto and furniture polish and refinisher. 211,732; Oct. 20.
Zachos, Louis G., doing business as The Golden West Laboratories, Los Angeles, Calif. Auto renewer. 219,021; Oct. 20.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

## CLASS 1.

Coal. Mine to consumer Coal Co. 204,721; Oct. 20.
Leather, Hemlock sole. United States Leather Company. 47,665; renewed Nov. 14, 1925.
Leathers. Pfister & Vogel Leather Company. 204,637; Oct. 20; Serial No. 214,745; published July 28, 1925.
Seeds. Albert Dickinson Company. 47,414–7; renewed Nov. 7, 1925.

## CLASS 2.

Bags, Hanging. Converters Paper Company. 204,594; Oct. 20; Serial No. 214,913; published July 28, 1925.

## CLASS 3.

Hames and parts thereof. U. S. Hame Company. 204,607; Oct. 20; Serial No. 215,487; published Aug. 11, 1925.

## CLASS 4.

Ink. C. L. Hauthaway & Sons, Incorporated. 47,978; renewed Dec. 5, 1925.

## CLASS 5.

Glue. Cudahy Brothers Co. 47,847; renewed Nov. 21, 1925.
Glues and adhesive cement. Royal Glue Co. 204,619; Oct. 20; Serial No. 214,927; published Aug. 4, 1925.
Glues and adhesive cements. Marstin Adhesive Company. 204,464; Oct. 20; Serial No. 214,673; published Aug. 11, 1925.

## CLASS 6.

Baking powder. Royal Baking Powder Company. 48,077; renewed Dec. 5, 1925.
Balsam. A. D. Ashley. 47,787; renewed Nov. 21, 1925.
Compounds for bleaching and washing linens. Roessler & Hasslacher Chemical Co. 47,940; renewed Nov. 28, 1925.
Cream, Cold. J. D. McCann Co. 204,562; Oct. 20; Serial No. 214,605; published July 28, 1925.
Hair remedy, Gray-. E. E. Flyberg. 204,458; Oct. 20; Serial No. 212,911; published July 21, 1925.
Hair tonic and grower. Gus T. Dallis and Theodore N. Raptis. 204,476; Oct. 20; Serial No. 215,776; published July 28, 1925.
Laxative candy. Health Service Corporation. 204,565; Oct. 20; Serial No. 214,661; published July 28, 1925.
Medicinal preparation. Hollings-Smith Co. 204,473; Oct. 20; Serial No. 215,857; published July 28, 1925.
Medicinal preparation for catarrh, etc. Doctor Blosser Company. 47,920; renewed Nov. 28, 1925.
Ointment, Pile. Altilly Ointment Co. 204,708; Oct. 20; Serial No. 215,613; published July 28, 1925.
Oxid of tin. Roessler & Hasslacher Chemical Co. 47,925; renewed Nov. 28, 1925.
Perfume, toilet water, powders, and sachet. Lentheric, Inc. 204,698; Oct. 20; Serial No. 215,866; published July 28, 1925.
Perfume, toilet water, powders, and sachet. Lentheric, Inc. 204,700; Oct. 20; Serial No. 215,864; published July 28, 1925.
Perfume, toilet water, powders, sachet, and compacts. Lentheric, Inc. 204,699; Oct. 20; Serial No. 215,865; published July 28, 1925.
Perfumes, toilet powders, cold creams, etc. Franklin Simon & Co. 204,441; Oct. 20; Serial No. 214,069; published July 21, 1925.



Powder, Medicated talcum. E. J. O'Rourke. 204,475; Oct. 20; Serial No. 215,813; published July 28, 1925.
Preparation of the proteids of beef. Fairchild Bros. & Foster. 47,774; renewed Nov. 21, 1925.
Preparation for the relief of headaches, neuralgia, colds, etc. D. P. Arno & Company. 204,560; Oct. 20; Serial No. 214,455; published July 28, 1925.
Preparation for treating corns, bunions, and calli. Comet Remedy Company. 204,697; Oct. 20; Serial No. 215,893; published July 28, 1925.
Quinine. Roessler & Hasslacher Chemical Co. 47,962; renewed Nov. 28, 1925.
Remedy for blood dyscrasia. Strong, Cobb & Co. 47,780; renewed Nov. 21, 1925.
Salts, Bath. Vivi, Inc. 204,564; Oct. 20; Serial No. 214,632; published July 28, 1925.
Salve, Healing. C. B. Cornelius. 204,703; Oct. 20; Serial No. 215,773; published Aug. 4, 1925.
Salve, Rheumatism. Bäder- u. Verkehrs-A.-G. 204,688; Oct. 20; Serial No. 212,228; published July 28, 1925.
Salves. G. C. Wilson. 47,467; renewed Nov. 7, 1925.
Salves, ointments, or unguents. J. W. Cole & Co. 45,472; renewed Aug. 22, 1925.
Toilet preparations. Lentheric, Inc. 204,471; Oct. 20; Serial No. 215,863; published July 28, 1925.
Toilet preparations. Lentheric, Inc. 204,472; Oct. 20; Serial No. 215,861; published July 28, 1925.
Tonic. Bear Medicine Company. 204,704; Oct. 20; Serial No. 215,767; published July 28, 1925.
Tonic and reconstructive and recuperative remedy. William R. Warner & Co. 204,706; Oct. 20; Serial No. 215,669; published July 28, 1925.

## CLASS 8.

Cigarette holders. Gipsy Trail Camp and Country Club, Inc. 204,537; Oct. 20; Serial No. 212,916; published Aug. 11, 1925.

## CLASS 9.

Dynamite and gelatinous explosives, cartridges and cartridge cases, fuses. Nobel Industries, Limited. 204,463; Oct. 20; Serial No. 214,675; published Aug. 11, 1925.
Matches. Eesti tikutööstus "Lendra" A.-S. 204,455; Oct. 20; Serial No. 213,015; published July 21, 1925.
Matches, Safety. Esthonian Match Industry "Lendra" Ltd. 204,428; Oct. 20; Serial No. 200,139; published June 2, 1925.

## CLASS 12.

Bricks. Streator Brick Company. 204,636; Oct. 20; Serial No. 214,831; published July 28, 1925.
Bricks, Refractory. Seaboard Refractories Company. 204,629; Oct. 20; Serial No. 215,274; published July 28, 1925.
Cement, concrete, lime, plaster, stucco, bricks, and tiles. U. B. Voisin. 204,672; Oct. 20; Serial No. 211,394; published July 14, 1925.
Cement, Preparation for hastening the setting of and strengthening. F. G. Cuibertson. 204,715; Oct. 20.
Flooring composition and completed flooring. Selby, Battersby & Co. 204,448–9; Oct. 20; Serial Nos. 213,407–8; published July 28, 1925.
Gypsum and lime, gypsum and cement plaster. Southern Gypsum Company. 204,634; Oct. 20; Serial No. 215,028; published July 28, 1925.
Pipe covering, Sectional. Johns-Manville, Incorporated. 204,576; Oct. 20; Serial No. 181,488; published July 28, 1925.
Sash, Metal. Curtain Supply Company. 204,405; Oct. 20; Serial No. 212,237; published July 28, 1925.
Stair treads. Hendrick Manufacturing Company. 204,633; Oct. 20; Serial No. 215,068; published July 28, 1925.

## CLASS 13.

Slate products. Structural Slate Co. 204,659; Oct. 20; Serial No. 210,090; published July 28, 1925.
Trays, Detachable service. Tray Service Company. 204,561; Oct. 20; Serial No. 214,571; published July 28, 1925.
Wire cloth. Gilbert & Bennett Manufacturing Company. 48,034; renewed Dec. 5, 1925.
Wire netting. Gilbert & Bennett Manufacturing Company. 48,035; renewed Dec. 5, 1925.

## CLASS 14.

Copper. Baltimore Copper Smelting & Rolling Company. 47,768–9; renewed Nov. 21, 1925.
Ferrous plates and sheets. Follansbee Brothers Company. 204,487; Oct. 20; Serial No. 215,004; published July 28, 1925.
Printers' quoins. Hempel & Dingens. 47,411; renewed Nov. 7, 1925.
Steel. Park Steel Company. 47,636–8; renewed Nov. 14, 1925.

## CLASS 15.

Oils and lubricating greases, Lubricating and soluble. National Oil & Supply Co. 204,720; Oct. 20.

## CLASS 16.

Lacquers, paint and pyroxylin enamels and finishes. E. I. du Pont de Nemours and Company. 204,398; Oct. 20; Serial No. 198,225; published Oct. 7, 1924.
Lacquers, paint and pyroxylin enamels and finishes. E. I. du Pont de Nemours and Company. 204,399; Oct. 20; Serial No. 197,425; published Oct. 7, 1924.
Paints, Ready-mixed. Geo. D. Wetherill & Co. 47,895; renewed Nov. 28, 1925.
Pyroxylin thinners, filling compound, floor varnish, and prepared paint. E. I. du Pont de Nemours and Company. 204,396–7; Oct. 20; Serial Nos. 201,490–1; published Feb. 10, 1925.

## CLASS 17.

Cigarettes. Gipsy Trail Camp and Country Club Inc. 204,535; Oct. 20; Serial No. 212,920; published Aug. 11, 1925.
Cigarettes. N. G. Papasotiriou. 204,403; Oct. 20; Serial No. 212,396; published July 21, 1925.
Cigarettes, smoking tobacco, and cigars. Park Lane Corporation. 204,602; Oct. 20; Serial No. 214,436; published July 28, 1925.
Cigars. J. J. Mauser. 204,522; Oct. 20; Serial No. 214,209; published Aug. 11, 1925.
Cigars. S. S. Pierce Co. 204,467; Oct. 20; Serial No. 214,273; published Aug. 4, 1925.
Cigars, cigarettes, and tobacco. Haus Neuerburg o. H. G. 204,461; Oct. 20; Serial No. 214,728; published Aug. 4, 1925.
Tobacco, cigars, cigarettes, and snuff, Smoking. Gallaher Limited. 204,462; Oct. 20; Serial No. 214,722; published Aug. 4, 1925.

## CLASS 19.

Automobile bumpers. Wells H. Press Company. 204,673; Oct. 20; Serial No. 211,490; published July 28, 1925.
Automobiles. Premier Motors, Incorporated. 204,548; Oct. 20; Serial No. 213,319; published July 28, 1925.
Radiator filler caps. Motor Accessories Corporation. 204,452; Oct. 20; Serial No. 213,253; published July 28, 1925.
Vehicles, Folding hoods (textile) for motor road. Calso Hood Company. 204,424; Oct. 20; Serial No. 202,610; published July 7, 1925.

## CLASS 21.

Audion tubes. A. J. Musselman. 204,457; Oct. 20; Serial No. 212,943; published July 28, 1925.
Batteries, Dry. Manhattan Electrical Supply Company. 204,426; Oct. 20; Serial No. 202,591; published July 28, 1925.
Electric-lighting fixtures and electric lamps. Albert Wahle Co. 204,674; Oct. 20; Serial No. 212,053; published July 28, 1925.
Electric vehicle signal systems and parts thereof. Mellicke Calculator Company. 204,439; Oct. 20; Serial No. 166,083; published July 28, 1925
Electric vehicle signal systems and parts thereof. Mellicke Calculator Company. 204,573; Oct. 20; Serial No. 166,086; published July 28, 1925.
Insulating units, Mica. New England Mica Co. 204,454; Oct. 20; Serial No. 213,141; published July 28, 1925.
Insulation, Material for. Roessler & Hasslacher Chemical Co. 47,735; renewed Nov. 14, 1925.
Magnetos, condensers, etc. Heinze Electric Company. 204,407; Oct. 20; Serial No. 211,470; published July 28, 1925.
Radio devices, Vacuum tubes for. Syndicate Merchandise Corporation. 204,443; Oct. 20; Serial No. 213,996; published July 28, 1925.
Radio receiving equipment and parts thereof. Radio Receptor Company. 206,658; Oct. 20; Serial No. 210,010; published July 28, 1925.
Radio receiving sets and loud-speaker amplifiers. General Phonograph Corporation. 804,458; Oct. 20; Serial No. 213,232; published July 28, 1925.
Radio receiving sets, condensers, and transformers. A. H. Grebe & Co., Inc. 204,421; Oct. 20; Serial No. 206,300; published July 28, 1925.
Radio receiving sets, transformers, plugs, etc. Electrical Research Laboratories, Inc. 204,450; Oct. 20; Serial No. 213,287; published July 28, 1925.
Sound reproducers, Magnetic actuators for. Teagle Company. 204,420; Oct. 20; Serial No. 206,383; published July 28, 1925.
Telephone systems, Automatic. Automatic Electric Company. 204,430; Oct. 20; Serial No. 199,140; published July 28, 1925.
Wires, etc., Covered and insulated. Driver-Harris Company. 204,639; Oct. 20; Serial No. 214,241; published July 28, 1925.

## CLASS 22.

Balls, Hollow glass. E. G. Bagger. 204,415; Oct. 20; Serial No. 197,859; published July 21, 1925.
Billiard balls, fishing reels, pool triangles, etc. Bakelite Corporation. 204,540; Oct. 20; Serial No. 212,530; published Aug. 11, 1925.
Cards, Playing. New York Consolidated Card Company. 47,550; renewed Nov. 7, 1925.
Cards, Playing. New York Consolidated Card Company. 47,991; renewed Dec. 5, 1925.
Coaster wagons, scooters, etc. Hunt, Helm, Ferris & Co. 204,696; Oct. 20; Serial No. 215,982; published July 28, 1925.
Dolls. B. Ilfelder. 47,821; renewed Nov. 21, 1925.

Fishing line. Ashaway Line & Twine Manufacturing Company. 264,593; Oct. 20; Serial No. 214,989; published July 28, 1925.
Footballs and football covers. Wm. Thomlinson Ltd. 204,083; Oct. 20; Serial No. 212,977; published Aug. 4, 1925.
Game, Parlor. J. D. Cardinell. 204,502; Oct. 20; Serial No. 210,443; published Aug. 4, 1925.
Games, Psychic board. M. R. Wellman. 204,705; Oct. 20; Serial No. 215,722; published July 28, 1925.
Golf clubs, balls, and bags and baseball bats. Rawlings Manufacturing Company. 204,620; Oct. 20; Serial No. 214,889; published Aug. 11, 1925.
Golf clubs, Tips or grips for. Ohio Rubber and Textile Company. 204,622; Oct. 20; Serial No. 214,811; published Aug. 11, 1925.
Hockey sticks. Gipsy Trail Camp and Country Club Inc. 204,536; Oct. 20; Serial No. 212,917; published Aug. 11, 1925.
Toy cornets, trombones, bass horns, etc. B. M. Carlisle. 204,641; Oct. 20; Serial No. 216,255; published Aug. 11, 1925.
Wagons, Roller-bearing coaster. Lewis-Geer Mfg. Company. 204,417; Oct. 20; Serial No. 193,932; published May 6, 1924.

CLASS 23.

Alarms and signals, Audible mechanically-operated. B & M Mfg. Co. 204,503; Oct. 20; Serial No. 210,782; published Aug. 4, 1925.
Carburetors, manifolds, and carburetor systems. Swan Carburetor Company. 204,711; Oct. 20; Serial No. 215,322; published Aug. 4, 1925.
Chain blocks for hoisting machinery. J. G. Speidel. 47,912; renewed Nov. 28, 1925.
Duplicating machines. Ditto, Incorporated. 204,497; Oct. 20; Serial No. 204,589; published July 28, 1925.
Engines, Air cleaners for internal-combustion. A C Spark Plug Company. 204,709; Oct. 20; Serial No. 215,326; published Aug. 4, 1925.
Gears and automatic cut-off controls, Reverse. Transportation Devices Corporation. 204,566; Oct. 20; Serial No. 215,032; published Aug. 4, 1925.
Harvesters and thrashers and attachments and parts thereof, Combined. International Harvester Company. 204,623; Oct. 20; Serial No. 216,728; published Aug. 11, 1925.
Knitting machines. Edouard Dubied et Cie., Société Anouyme. 204,575; Oct. 20; Serial No. 176,885; published July 28, 1925.
Metal pipes, Cutters for. Barnes Tool Company. 47,914; renewed Nov. 28, 1925.
Ore concentrators. Deister Machine Company. 204,605; Oct. 20; Serial No. 214,016; published July 21, 1925.
Plastic molding machines. Duo-Press Co. 204,718; Oct. 20.
Pumps, Water-circulating. American Grinder Mfg. Co. 204,545; Oct. 20; Serial No. 209,607; published July 7, 1925.
Pumps, Water-circulating. American Grinder Mfg. Co. 204,588; Oct. 20; Serial No. 209,606; published June 9, 1925.
Sewing machines and parts thereof. Union Special Machine Company. 48,038; renewed Dec. 5, 1925.
Soda fountains. Liquid Carbonic Company. 204,601; Oct. 20; Serial No. 214,602; published Aug. 4, 1925.

CLASS 26.

Optical goods. Carl Lindström Aktiengesellschaft. 204,684–6; Oct. 20; Serial Nos. 212,385–7; published July 28, 1925.

CLASS 27.

Sundials. G. Hollinwood. 204,438; Oct. 20; Serial No. 177,911; published July 28, 1925.
Watches. Elgin National Watch Co. 47,470; renewed Nov. 7, 1925.
Watches. Solis Watch Co. 204,553; Oct. 20; Serial No. 213,930; published July 28, 1925.
Watches, watchcases, and parts thereof. A. Whittnauer. 204,440; Oct. 20; Serial No. 214,110; published July 28, 1925.
Watches, watch dials, watchcases, and watch movements. Accro Bond Watch Company. 204,635; Oct. 20; Serial No. 214,938; published July 28, 1925.
Watches, watch movements, and parts thereof. J. Gottlieb. 204,657; Oct. 20; Serial No. 207,011; published July 28, 1925.

CLASS 28.

Gems, stones, necklaces, and jewelry. Jos. H. Meyer Bros., Inc. 204,416; Oct. 20; Serial No. 197,208; published July 28, 1925.
Rings, Finger. E. G. Bagger. 204,435; Oct. 20; Serial No. 196,284; published July 28, 1925.

CLASS 29.

Brushes. F. E. O'Callaghan. 204,717; Oct. 20.
Brushes. Rubber & Celluloid Harness Trimming Company. 47,840; renewed Nov. 21, 1925.
Toothbrushes. Pro-Phy-Lac-Tic Brush Company. 204,690; Oct. 20; Serial No. 212,101; published Aug. 4, 1925.

CLASS 30.

Chinaware and crockery. Arthur Schiller & Son. 204,600; Oct. 20; Serial No. 214,698; published July 28, 1925.
Porcelains, Chemical. Staatliche Porzellan Manufactur. 204,592; Oct. 20; Serial No. 209,706; published Aug. 4, 1925.
Pottery, Art. Franklin Pottery Co. 204,414; Oct. 20; Serial No. 202,248; published July 21, 1925.

CLASS 31.

Casting or tank to be placed in small refrigerators. American Carbonic Machinery Company. 204,442; Oct. 20; Serial No. 214,043; published July 28, 1925.
Refrigerators. Ottenheimer Bros., Inc. 204,653; Oct. 20; Serial No. 215,753; published Aug. 4, 1925.

CLASS 32.

Fabric formed of woven splints, strips, or slats, and thread, cord, or wire. Hough Shade Corporation. 48,088; renewed Dec. 12, 1925.
Mattresses, pillows, cushions, and hassocks. Ostermoor & Co. 47,830; renewed Nov. 21, 1925.
Mattresses, pillows, cushions, and hassocks. Ostermoor & Co. 47,832; renewed Nov. 21, 1925.
Springwork and wire-spring supports for chairs, etc. Staples & Hanford Co. 48,032; renewed Dec. 12, 1925.

CLASS 33.

Glass bottles. Salem Glass Works. 204,618; Oct. 20; Serial No. 214,928; published July 28, 1925.
Glass, Plate. Deutsche Spiegelglas Austuhr Gesellschaft m. b. H. 204,409; Oct. 20; Serial No. 208,577; published July 21, 1925.
Glass reamers for extracting fruit juices. California Fruit Growers Exchange. 204,603; Oct. 20; Serial No. 214,054; published July 28, 1925.

CLASS 34.

Belting, Leather. Johnson Belting Company. 204,413; Oct. 20; Serial No. 203,185; published July 28, 1925.
Fuel burners, Fluid. R. C. Hopkins. 204,631; Oct. 20; Serial No. 215,206; published July 28, 1925.
Stoves and ranges. Advance Stove Works. 204,632; Oct. 20. Serial No. 215,196; published July 28, 1925.

CLASS 35.

Belting, Leather. Graton and Knight Manufacturing Company. 48,115; renewed Dec. 12, 1925.
Belting, worsted aprons, and rawhide lacing, Leather. F. W. McLanathan. 204,418; Oct. 20; Serial No. 184,209; published July 28, 1925.
Tires and tubes. Better Tires Company. 204,662–5; Oct. 20; Serial Nos. 211,004–7; published July 14, 1925.
Tires and tubes. Better Tires Company. 204,666; Oct. 20; Serial No. 211,008; published July 7, 1925.
Tires and tubes. Better Tires Company. 204,667–8; Oct. 20; Serial Nos. 211,009–10; published July 14, 1925.
Tires, Vehicle. Continental-Caoutchouc- & Gutta-Percha-Compagnie. 204,423; Oct. 20; Serial No. 203,455; published July 28, 1925.

CLASS 36.

Phonographs, records, and envelopes for records, and needles. Polyphonwerke Aktiengesellschaft. 204,427; Oct. 20; Serial No. 201,977; published July 28, 1925.
Pianos. C. Kurtzmann & Co. 204,444; Oct. 20; Serial No. 213,903; published July 28, 1925.
Pianos, Upright. Paul G. Mehlin & Sons. 48,010; renewed Dec. 5, 1925.
Sound-receiving apparatus, sound records, etc. Tri-Ergon A.-G. 204,656; Oct. 20; Serial No. 207,419; published July 28, 1925.
Violin and similar strings. R. Salerni. 204,451; Oct. 20; Serial No. 213,269; published July 28, 1925.
Violin and similar strings. R. Salerni. 204,546; Oct. 20; Serial No. 212,644; published July 28, 1925.
Wind instruments, Reeds for orchestral. M. Dunand. 204,431; Oct. 20; Serial No. 198,292; published July 28, 1925.

CLASS 37.

Paper and stationery. Osborn Paper Company. 204,719; Oct. 20, 1925.
Paper, Blotting. Standard Paper Mfg. Co. 48,081; renewed Dec. 5, 1925.
Pencils, Lead. Eagle Pencil Company. 48,097; renewed Dec. 12, 1925.
Pencils, Lead. Eagle Pencil Company. 48,099–100; renewed Dec. 12, 1925.
Pencils, Lead. Eagle Pencil Company. 48,102–3; renewed Dec. 12, 1925.

CLASS 38.

Books. L. C. Page & Company. 47,473; renewed Nov. 7, 1925.
Magazine, Monthly. George H. Patterson and Edward C. Thurnau Publishers Office Appliances. 47,722; renewed Nov. 14, 1925.
Magazines, Periodical. Doubleday, Page & Co. 48,096; renewed Dec. 12, 1925.



Newspaper, Trade. David Williams Company. 47,713; renewed Nov. 14, 1925.

CLASS 39.

Boots and shoes. Hill Bros. Co. 204,489; Oct. 20; Serial No. 214,960; published July 28, 1925.
Boots and shoes, Ladies leather. A. H. Berry Shoe Company. 48,009; renewed Dec. 5, 1925
Boots and shoes, Leather. Jordan Marsh Company. 47,693; renewed Nov. 14, 1925.
Boots and shoes, Rubber. Lambertville Rubber Company. 48,108–9; renewed Dec. 12, 1925.
Boots and shoes, Rubber. Lambertville Rubber Company. 48,133; renewed Dec. 12, 1925.
Boots, shoes, slippers, and insoles. E. E. Taylor Company. 204,480; Oct. 20; Serial No. 215,662; published July 28, 1925.
Coats, suits, and dresses, Girls'. R. H. Macy & Co. 204,713–14; Oct. 20; Serial Nos. 215,260–1; published July 28, 1925.
Coats, vests, trousers, hats, caps, etc. Abraham & Straus, Inc. 204,692; Oct. 20; Serial No. 210,480; published July 28, 1925.
Corsets. J. Siegel & Co. 44,845; renewed July 25, 1925.
Corsets. J. Siegel & Co. 46,408; renewed Sept. 19, 1925.
Corsets, brassières, girdles, and women's underwear. R. B. Scognamillo. 204,484; Oct. 20; Serial No. 215,273; published July 28, 1925.
Frocks, Cut-out ready-to-sew. Berth-Robert Made at Home Frocks. 204,557; Oct. 20; Serial No. 214,200; published July 28, 1925.
Gloves and mittens, Leather. Craftsman Glove Company. 204,479; Oct. 20; Serial No. 215,682; published July 28, 1925.
Hats. Grand Trimmed Hat Co. 204,492; Oct. 20; Serial No. 214,703; published July 28, 1925.
Hats and caps, Men's. A. Matthews. 48,044; renewed Dec. 5, 1925.
Hats, hat frames, and linings, Women's. Apex Hat Frame Co. 204,561; Oct. 20; Serial No. 213,679; published July 28, 1925.
Hats, Women's. Associated Merchandising Corporation. 204,459; Oct. 20; Serial No. 212,880; published July 28, 1925.
Heels, Rubber. Essex Rubber Company. 204,476; Oct. 20; Serial No. 215,885; published July 28, 1925.
Heels, Wood. Merrimack Wood Heel Company. 204,477; Oct. 20; Serial No. 215,099; published July 28, 1925.
Hosiery. Barnard Nathan Co. 204,404; Oct. 20; Serial No. 212,364; published July 21, 1925.
Hosiery. Imperial Hosiery Company. 204,539; Oct. 20; Serial No. 212,555; published July 14, 1925.
Hosiery. McCallum Hosiery Co. 204,676; Oct. 20; Serial No. 213,849; published July 28, 1925.
Hosiery. L. Michaels, Inc. 204,569; Oct. 20; Serial No. 215,082; published July 28, 1925.
Hosiery. John Rock Hosiery Company. 204,661–2; Oct. 20; Serial Nos. 213,147–8; published July 28, 1925.
Hosiery. Schuylkill Valley Mills, Inc. 204,712; Oct. 20; Serial No. 215,815; published July 28, 1925.
Hosiery, Men's. F. A. Smith. 204,513; Oct. 20; Serial No. 195,546; published Dec. 2, 1924.
Overalls and other work clothes for men and boys. A. B. Frank Company. 204,547; Oct. 20; Serial No. 213,294; published July 28, 1925.
Shirts. Elder Mfg. Co. 204,572; Oct. 20; Serial No. 215,238; published July 28, 1925.
Shirts. B. Marks. 204,691; Oct. 20; Serial No. 211,364; published July 28, 1925.
Shirts and overalls, Dress, negligee, and work. Carter Dry Goods Co. 204,677; Oct. 20; Serial No. 213,691; published July 28, 1925.
Shirts, Men's dress. T. Kaplan. 204,585; Oct. 20; Serial No. 206,119; published July 28, 1925.
Shoes. Wm. H. Walker & Co. 204,660; Oct. 20; Serial No. 210,515; July 28, 1925.
Shoes. Watson Shoe Co. 47,647; renewed Nov. 14, 1925.
Stocking tops. A. E. Sanborn. 204,558; Oct. 20; Serial No. 214,277; published July 28, 1925.
Suits and coats for men. Leurs-Rochester, Incorporated. 204,598; Oct. 20; Serial No. 214,731; published July 28, 1925.
Undergarments. Amazon Knitting Company. 204,552; Oct. 20; Serial No. 213,880; published July 28, 1925.

CLASS 40.

Baby harness. A. G. Siebert. 204,509; Oct. 20; Serial No. 191,644; published July 7, 1925.
Elastic cord. W. N. Perry, sr. 204,604; Oct. 20; Serial No. 214,031; published July 28, 1925.
Fringes, cords, tassels, etc. Morris Bernhard Company. 204,678; Oct. 20; Serial No. 213,685; published July 28, 1925.
Hats. Emporium World Millinery Company. 204,490; Oct. 20; Serial No. 214,950; published July 28, 1925.
Pins, Dress. Consolidated Safety Pin Company. 204,680; Oct. 20; Serial No. 213,227; published July 14, 1925.
Tape, Bias-fold. J. C. Penney Company. 204,679; Oct. 20; Serial No. 213,592; published July 14, 1925.
Tassels and bows. O. Regen Mfg. Co. 204,520; Oct. 20; Serial No. 202,894; published July 7, 1925.



CLASS 42.

Billiard cloth. Brunswick-Balke-Collender Company. 204,531; Oct. 20; Serial No. 213,479; published Aug. 11, 1925.
Billiard Cloth. F. Grote & Hubbell Co. 204,483; Oct. 20; Serial No. 215,869; published July 28, 1925.
Comforts, Bed. Louisville Bedding Company. 204,468; Oct. 20; Serial No. 214,259; published Aug. 4, 1925.
Cotton and silk cloth. Elder Mfg. Co. 204,481; Oct. 20; Serial No. 215,443; published July 28, 1925.
Cotton drills. Wellington, Sears & Co. 48,048; renewed Dec. 5, 1925.
Cotton goods in the piece. Noveltex, Inc. 204,485; Oct. 20; Serial No. 215,266; published July 28, 1925.
Cotton piece goods. Austin, Poor & Gleason Inc. 204,640; Oct. 20; Serial No. 216,312; published Aug. 11, 1925.
Cotton piece goods. Pacolet Mfg. Co. 204,456; Oct. 20; Serial No. 212,950; published July 21, 1925.
Cotton piece goods. Pacolet Mfg. Co. 204,533; Oct. 20; Serial No. 212,954; published Aug. 11, 1925.
Cotton piece goods. M. W. Ryan. 204,494–5; Oct. 20; Serial No. 214,691–2; published July 28, 1925.
Cotton piece goods. J. L. Stifel & Sons. 204,408; Oct. 20; Serial No. 209,109; published July 21, 1925.
Cotton piece goods. J. L. Stifel & Sons. 204,411; Oct. 20; Serial No. 204,680; published July 21, 1925.
Cotton piece goods. Whitney Mfg. Co. 204,445; Oct. 20; Serial No. 213,607; published July 21, 1925.
Cotton piece goods. Whitney Mfg. Co. 204,446; Oct. 20; Serial No. 213,605; published July 21, 1925.
Cotton piece goods. York Manufacturing Co. 204,447; Oct. 20; Serial No. 213,470; published July 21, 1925.
Cotton satin damask piece goods. A. Theo. Abbott & Co. 204,556; Oct. 20; Serial No. 214,199; published July 21, 1925.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.). 204,517–18; Oct. 20; Serial Nos. 201,283–4; published Aug. 4, 1925.
Diapers and diaper cloth. Tabakin Bros. 204,693; Oct. 20; Serial No. 210,822; published Aug. 4, 1925.
Fabrics, Printed and plain. Titus Blatter & Company. 204,514; Oct. 20; Serial No. 198,768; published July 28, 1925.
Hair nets. S. H. Kress & Co. 204,624; Oct. 20; Serial No. 216,682; published Aug. 11, 1925.
Laces, Narrow fabric. Narrow Fabric Co. 204,580; Oct. 20; Serial No. 195,827; published July 28, 1925.
Linen, wool, or worsted, silk, silk and wool, and silk and cotton. La Porte Woolen Mills. 204,584; Oct. 20; Serial No. 203,635; published Mar. 24, 1925.
Netting, Insect. H. Blumenfeld. 204,687; Oct. 20; Serial No. 212,367; published July 14, 1925.
Padding for laundry-machinery rolls. Tingue, Brown & Co. 204,554; Oct. 20; Serial No. 213,935; published July 28, 1925.
Piece goods. Lesher, Whitman & Co. 204,402; Oct. 20; Serial No. 212,447; published July 21, 1925.
Ribbons in the piece, Wrist-watch and garter. Hargood Ribbon Co. 204,671; Oct. 20; Serial No. 211,356; published July 28, 1925.
Rugs and carpets. Patchogue-Plymouth Mills Corporation. 204,406; Oct. 20; Serial No. 211,611; published July 21, 1925.
Rugs of fabric made of paper and grass, Floor. Waite Carpet Co. 204,524; Oct. 20; Serial No. 213,818; published Aug. 4, 1925.
Rugs, Textile. M. H. Rogers, Inc. 204,550; Oct. 20; Serial No. 213,457; published July 28, 1925.
Sheets and pillowcases. Abraham & Straus. 204,613; Oct. 20; Serial No. 215,228; published Aug. 4, 1925.
Shirtings of cotton and silk and linen and silk and mixtures all in the piece. Jacob Miller's Sons Co. 204,527; Oct. 20; Serial No. 213,661; published Aug. 11, 1925.
Silk and cotton fabric, Artificial-. Burton Bros. & Co. 204,628; Oct. 20; Serial No. 215,891; published July 28, 1925.
Silk and cotton goods in the piece. Wm Simpson, Sons & Co. 204,486; Oct. 20; Serial No. 215,097; published July 28, 1925.
Silk and cotton piece goods. Cohn Hall Marx Co. 204,493; Oct. 20; Serial No. 214,781; published July 28, 1925.
Silk and cotton piece goods and mixtures of the same. Mills & Webb Corp. 204,549; Oct. 20; Serial No. 213,391; published July 21, 1925.
Silk, cotton, etc., piece goods. John E. Hanifen Company. 204,400; Oct. 20; Serial No. 212,812; published July 21, 1925.
Silk, cotton, etc., piece goods. John E. Hanifen Company. 204,401; Oct. 20; Serial No. 212,809; published July 21, 1925.
Silk fabrics in the piece. Twentieth Century Knitting Mills, Inc. 204,617; Oct. 20; Serial No. 214,962; published Aug. 4, 1925.
Silk knitted cloth in the piece. Levi & Seligman, Inc. 204,510; Oct. 20; Serial No. 194,547; published Aug. 11, 1925.
Silk piece goods. E. A. Rieger. 204,563; Oct. 20; Serial No. 214,618; published July 28, 1925.
Silk piece goods. L. C. Rosenblatt. 204,505; Oct. 20; Serial No. 211,709; published Aug. 11, 1925.

Textile fabrics. Eddystone Manufacturing Company. 45,540; renewed Aug. 22, 1925.
Velours in the piece, Cotton. A. T. Baker & Co. 204,499; Oct. 20; Serial No. 208,551; published July 28, 1925.
Wool piece goods. Roubaix Mills, Inc. 204,470; Oct. 20; Serial No. 215,878; published July 28, 1925.
Woolen dress goods. Atlantic Mills. 204,474; Oct. 20; Serial No. 215,840; published July 28, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 204,589; Oct. 20; Serial No. 209,635; published July 14, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 204,590; Oct. 20; Serial No. 209,637; published July 14, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 204,591; Oct. 20; Serial No. 209,639; published July 14, 1925.
Woolen piece goods. Strong, Hewat & Co. 204,412; Oct. 20; Serial No. 203,342; published July 21, 1925.
Worsted and worsted and cotton piece goods. I. A. Wyner & Co. 204,482; Oct. 20; Serial No. 215,429; published July 28, 1925.

CLASS 43.

Yarns. Edwin H. Fitler Co. 204,578; Oct. 20; Serial No. 191,947; published Aug. 11, 1925.
Yarns. Edwin H. Fitler Co. 204,579; Oct. 20; Serial No. 191,948; published Mar. 31, 1925.
Yarns. R. H. Macy & Co. 204,630; Oct. 20; Serial No. 215,259; published July 21, 1925.

CLASS 44.

Anti-thumb-sucking device. A. L. Harrison. 204,555; Oct. 20; Serial No. 214,158; published July 28, 1925.
Lamps, Therapeutic. Sanitarium and Hospital Equipment Company. 204,491; Oct. 20; Serial No. 214,825; published July 28, 1925.

CLASS 45.

Beverage and sirups used in making same, Bottled. J. M. Lindsey. 204,612; Oct. 20; Serial No. 215,257; published Aug. 11, 1925.
Beverage, Fruit. Sintzel Orange Mill Company of New England. 204,609; Oct. 20; Serial No. 215,316; published Aug. 11, 1925.
Beverages. Wolverine Bottling Works. 204,596–7; Oct. 20; Serial Nos. 214,766–7; published July 28, 1925.
Beverages, Sirup for making. H. Barone. 204,694; Oct. 20; Serial No. 210,264; published July 28, 1925.
Sirup used in the preparation of soft drinks. Drink O'Drink Company. 204,606; Oct. 20; Serial No. 215,557; published Aug. 11, 1925.

CLASS 46.

Alimentary pastes. A. F. Ghiglione & Sons, Inc. 204,702; Oct. 20; Serial No. 215,784; published July 28, 1925.
Apples, Fresh. Connell Bros. Company. 204,488; Oct. 20; Serial No. 215,000; published July 14, 1925.
Apples, Fresh. A. C. Gillert. 204,559; Oct. 20; Serial No. 214,411; published July 21, 1925.
Apples, Fresh. C. J. Schiltz. 204,466; Oct. 20; Serial No. 214,278; published Aug. 11, 1925.
Apples and lettuce, Fresh. Northwest Fruit Distributors. 204,652; Oct. 20; Serial No. 215,811; published Aug. 4, 1925.
Asparagus, Green. Wood-Curtis Company. 204,648–9; Oct. 20; Serial Nos. 215,836–7; published Aug. 4, 1925.
Barley, oatmeal, rice, etc., Patent. Keen, Robinson & Company. 204,587; Oct. 20; Serial No. 208,853; published Aug. 4, 1925.
Beans, Dried. Albert Dickinson Company. 48,084; renewed Dec. 5, 1925.
Bread. Cap Sheaf Bread Company. 204,516; Oct. 20; Serial No. 200,748; published Aug. 4, 1925.
Bread. M. E. Eslinger. 204,661; Oct. 20; Serial No. 210,894; published July 21, 1925.
Cake and macaroons. Drake Bakeries Incorporated. 204,529; Oct. 20; Serial No. 213,492; published Aug. 4, 1925.
Cakes. Grennan Bakeries Incorporated. 204,532; Oct. 20; Serial No. 213,372; published Aug. 11, 1925.
Candies. R. H. W. Welch, jr. 204,501; Oct. 20; Serial No. 210,204; published Aug. 11, 1925.
Candy. J. G. McDonald Chocolate Co. 204,671; Oct. 20; Serial No. 215,262; published Aug. 11, 1925.
Candy. M. G. Fraser. 204,528; Oct. 20; Serial No. 213,633; published Aug. 11, 1925.
Candy. Reymer Brothers, Incorporated. 47,682; renewed Nov. 14, 1925.
Candy. Western Grocer Company. 204,625; Oct. 20; Serial No. 216,575; published Aug. 11, 1925.
Candy bars. Mueller-Keller Candy Co. 204,621; Oct. 20; Serial No. 214,883; published Aug. 11, 1925.
Canned apricots, peaches, and tomatoes. La Sierra Heights Canning Company. 204,419; Oct. 20; Serial No. 183,305; published May 5, 1925.
Canned corn. Iroquois Canning Corporation. 204,586; Oct. 20; Serial No. 208,144; published Apr. 28, 1925.
Canned foods, mustard, fruit preserves, etc. L. R. Whiffen & Company. 204,574; Oct. 20; Serial No. 176,146; published July 28, 1925.
Canned fruit. California Preserving Company. 204,627; Oct. 20; Serial No. 216,320; published Aug. 11, 1925.
Canned fruits. G. W. Hume Company. 204,707; Oct. 20; Serial No. 215,631; published July 28, 1925.
Canned fruits. H. G. Prince & Co. 204,615; Oct. 20; Serial No. 215,096; published Aug. 11, 1925.
Canned goods, coffee, tea, cheese, etc. C. S. Crary Company. 204,429; Oct. 20; Serial No. 199,679; published May 12, 1925.
Canned soup. Pure Food Factory "Hansa". 204,614; Oct. 20; Serial No. 215,219; published Aug. 11, 1925.
Canned tomatoes and canloons. Hershel California Fruit Products Co. 204,436; Oct. 20; Serial No. 188,904; published Jan. 22, 1924.
Canned vegetables. Olney & Floyd. 204,432; Oct. 20; Serial No. 197,214; published Oct. 7, 1924.
Canned vegetables and coffee. M. Fekete. 204,646; Oct. 20; Serial No. 216,167; published Aug. 4, 1925.
Catchup, canned strawberries, pears, and beans, etc. Booth Packing Company. 204,437; Oct. 20; Serial No. 182,959; published Sept. 23, 1924.
Cheese. H. B. Wadsworth, Inc. 204,521; Oct. 20; Serial No. 214,226; published Aug. 11, 1925.
Coconut, Prepared. Franklin Baker Company. 204,581; Oct. 20; Serial No. 197,743; published July 28, 1925.
Coconut, Prepared. Franklin Baker Company. 204,582; Oct. 20; Serial No. 197,748; published July 28, 1925.
Coconut, Prepared. Franklin Baker Company. 204,583; Oct. 20; Serial No. 197,752; published July 28, 1925.
Coffee. Wadhams & Co. 204,465; Oct. 20; Serial No. 214,445; published Aug. 11, 1925.
Coffee. Woolson Spice Company. 204,425; Oct. 20; Serial No. 202,604; published Jan. 20, 1925.
Coffee and tea. William Boardman & Sons Co. 204,626; Oct. 20; Serial No. 216,380; published Aug. 11, 1925.
Confections, Frozen. Eskimo Pie Corporation. 204,594; Oct. 20; Serial No. 214,860; published Aug. 4, 1925.
Cookies. 1-4-U Cookie Co. 204,526; Oct. 20; Serial No. 213,730; published Aug. 4, 1925.
Eggs. H. C. Christians Co. 204,523; Oct. 20; Serial No. 214,013; published Aug. 4, 1925.
Figs. Clarkadota Fig Growers Association. 204,515; Oct. 20; Serial No. 200,038; published Aug. 11, 1925.
Flour, Wheat. Acme Milling Company. 48,146; renewed Dec. 12, 1925.
Flour, Wheat. Black Bros. Flour Mills. 204,460; Oct. 20; Serial No. 214,775; published Aug. 4, 1925.
Flour, Wheat. G. M. Cagle. 204,610; Oct. 20; Serial No. 215,293; published Aug. 4, 1925.
Flour, Wheat. W. J. Jennison Company. 47,624; renewed Nov. 14, 1925.
Flour, Wheat. Nashville Roller Mills. 204,647; Oct. 20; Serial No. 216,067; published Aug. 11, 1925.
Flour, Wheat. Washburn-Crosby Company. 47,508; renewed Nov. 7, 1925.
Flour, Wheat. Wells-Abbott-Nieman Co. 204,507; Oct. 20; Serial No. 173,615; published Aug. 4, 1925.
Flour, nut, fruit, and whole-wheat breads, and muffins, Whole-wheat. Frank B. Prina Corporation. 204,525; Oct. 20; Serial No. 213,801; published Aug. 4, 1925.
Flours, wheat and mill feeds, and sweet feeds for livestock. Wheat, pancake, and buckwheat. Ballard & Ballard Co. 204,508; Oct. 20; Serial No. 176,815; published Aug. 4, 1925.
Food, Poultry. American Agricultural Chemical Company. 204,608; Oct. 20; Serial No. 215,393; published Aug. 4, 1925.
Food prepared from wheat, Medicinal. Imperial Granum Co. 47,539; renewed Nov. 7, 1925.
Food product, Prepared. Haco-Gesellschaft A.-G. Bern. 204,577; Oct. 20; Serial No. 191,231; published July 28, 1925.
Fruit, Citrous. L. Maxcy. 204,655; Oct. 20; Serial No. 215,643; published Aug. 11, 1925.
Fruits and vegetables, Fresh deciduous. Tieton Cold Storage Co. 204,642; Oct. 20; Serial No. 216,237; published Aug. 11, 1925.
Fruits, Fresh citrous. Anaheim Orange & Lemon Association. 204,616; Oct. 20; Serial No. 215,040; published Aug. 11, 1925.
Fruits, vegetables, and salmon. P. Duffy. 204,534; Oct. 20; Serial No. 213,069; published July 28, 1925.
Gelatin dessert. Wabash Chemical & Baking Powder Co. 204,710; Oct. 20; Serial No. 215,323; published July 28, 1925.
Grains, Distiller's dried. J. W. Biles Co. 48,066; renewed Dec. 5, 1925.
Ham and bacon. William A. Doe Co. 204,434; Oct. 20; Serial No. 196,369; published July 28, 1925.
Honey. T. Winchell. 204,570; Oct. 20; Serial No. 215,112; published July 28, 1925.
Ice cream. H. P. Hood & Sons, Inc. 204,599; Oct. 20; Serial No. 214,729; published July 28, 1925.
Ice cream, water ices, and sherbets. Anheuser Busch Ice & C. S. Co. 204,695; Oct. 20; Serial No. 209,959; published July 28, 1925.
Jelly. T. M. Langston. 204,500; Oct. 20; Serial No. 209,041; published Aug. 11, 1925.
Lard, lard compounds, tallow and substitutes for lard. Cudahy Brothers. 47,772; renewed Nov. 21, 1925.
Lard, tallow, lard compounds, and substitutes for lard. Cudahy Brothers Co. 47,631; renewed Nov. 14, 1925.
Malt extract. J. Grossman. 204,689; Oct. 20; Serial No. 212,222; published July 28, 1925.
Marshmallows. Roach, Tisdale & Co. 204,651; Oct. 20; Serial No. 215,820; published Aug. 4, 1925.



Meats and meat products. Otto Stahl, Inc. 204,511–12; Oct. 20; Serial Nos. 195,307–8; published Aug. 11, 1925.
Milk solids, Dried. Argonaut Milk Company. 204,567; Oct. 20; Serial No. 215,041; published July 28, 1925.
Nuts, Candy-covered. Illinois Nut Products Co. 204,669; Oct. 20; Serial No. 211,032; published July 14, 1925.
Oleomargarine. Baltimore Butterine Company. 204,469; Oct. 20; Serial No. 214,231; published Aug. 4, 1925.
Oranges, lemons, and grapefruit, Fresh. La Verne Co-Operative Citrus Association. 204,645; Oct. 20; Serial No. 216,189; published Aug. 4, 1925.
Oranges, lemons, and grapefruit, Fresh. Riverside Heights Orange Growers Association. 204,643–4; Oct. 20. Serial Nos. 216,220–1; published Aug. 11, 1925.
Oranges, lemons, grapefruit. Charter Oak Citrus Association. 204,538; Oct. 20; Serial No. 212,887; published July 28, 1925.
Packing-house products. John P. Squire & Company. 204,433; Oct. 20; Serial No. 196,833; published July 7, 1925.
Pastry, bread, cakes, pies, Fancy. Helens Home-Made Bakery and Pastry Shop. 204,543; Oct. 20; Serial No. 211,832; published Aug. 11, 1925.
Peaches, grapes, vegetables, eggs, etc., Fresh. Seneca Lake Fruit Growers Co-Operative Inc. 204,519; Oct. 20; Serial No. 202,567; published Aug. 4, 1925.
Peanut brittle. Illinois Nut Products Co. 204,670; Oct. 20; Serial No. 211,033; published July 14, 1925.
Peanut butter. E. K. Pond Company. 204,701; Oct. 20; Serial No. 215,816; published Aug. 4, 1925.
Peanuts and raisins, Chocolate-covered. Sunbiest Confections, Incorporated. 204,544; Oct. 20; Serial No. 211,767; published May 12, 1925.
Pickles, relishes, etc. Louis Maull Co., Food Products Co. 204,506; Oct. 20; Serial No. 172,384; published Aug. 11, 1925.
Pop-corn confections. Cracker Jack Co. 204,530; Oct. 20; Serial No. 213,489; published Aug. 11, 1925.
Poultry, butter, eggs, and cheese, Dressed. Beyer & Company. 204,541; Oct. 20; Serial No. 212,475; published Aug. 4, 1925.
Sausage, hams, and bacon. Orling Brothers. 204,542; Oct. 20; Serial No. 212,395; published Aug. 11, 1925.
Shorts, Gray. Sparks Milling Company. 204,504; Oct. 20; Serial No. 210,862; published Aug. 11, 1925.
Sirup for food purposes, Malt. N. Wasserstrom. 204,654; Oct. 20; Serial No. 215,721; published Aug. 4, 1925.
Sirups, Foods. Fassett & Company. 204,568; Oct. 20; Serial No. 215,063; published July 28, 1925.
Spices and food-flavoring extracts. Olson Coffee Co. 204,422; Oct. 20; Serial No. 205,027; published Feb. 3, 1925.
Sugar, Corn. Clinton Corn Syrup Refining Company. 204,571; Oct. 20; Serial No. 215,137; published July 28, 1925.
Tea. Brownell & Field Company. 48,069; renewed Dec. 5, 1925.
Tomatoes, Fresh. Cherokee County Farm Labor Union. 204,496; Oct. 20; Serial No. 203,787; published Aug. 11, 1925.

CLASS 47.

Wines and champagnes. Societe Anonyme Maison Moet & Chandon. 204,410; Oct. 20; Serial No. 206,039; published July 28, 1925.
Wines and champagnes. Societe Anonyme Maison Moet & Chandon. 204,498; Oct. 20; Serial No. 206,038; published Aug. 11, 1925.

CLASS 48.

Ale. Adam Scheidt Brewing Company. 48,147; renewed Dec. 12, 1925.
Sirup, Malt. T. P. Roche. 204,650; Oct. 20; Serial No. 215,821; published Aug. 11, 1925.

CLASS 50.

Bird houses and windmills. L. B. Fraser. 204,675; Oct. 20; Serial No. 212,550; published July 28, 1925.
Felt coverings for piano actions. Morgan Bros. 204,638; Oct. 20; Serial No. 214,558; published July 28, 1925.
Signs, Porcelain enameled iron and steel. General Porcelain Enameling & Mfg. Co. 204,716; Oct. 20.

# ALPHABETICAL LIST OF LABELS.

Adventures of Tom Sawyer and Huck Finn. For a Game. Stoll & Edwards Co. 29,363; Oct. 20.
Bauer & Black Safety 4. For First-Aid Packets. Bauer & Black. 29,337; Oct. 20.
Best-Ever. For a Chemical Cleaning Compound. G. T. Lovegran. 29,351; Oct. 20.
Blackman's Asthma remedy and relief. For a Liquid Medicine. C. Blackman. 29,339; Oct. 20.
Bortoban. For Liquid Used in the Treatment of Contagious Abortion in Cattle. O. S. Bergquist. 29,338; Oct. 20.
Coffeola. For Cereal Food. Kellogg Company. 29,348; Oct. 20.
Columbia High Tension Radio "C" Battery. For Electric Batteries. National Carbon Company. 29,353; Oct. 20.
Devil-Brick. For Chili Con Carne. A. Sanchez. 29,360; Oct. 20.
Directions. For Varnishes and Enamels. N. A. Fisher. 29,342; Oct. 20.
Fisher's Bak-E-Nam-El. For Varnishes and Enamels. N. A. Fisher. 29,343; Oct. 20.
International. For Barley Malt Extract. M. Hochberg. 29,345; Oct. 20.
Jackie Boy. For Fresh Apples. Gravenstein Apple Growers Co-Operative Association of Sonoma County. 29,344; Oct. 20.
Kerr's Mayonnaise. For Mayonnaise. L. and M. B. Deal. 29,340; Oct. 20.
Kerr's Relish. For Relish. L. and M. B. Deal. 29,341; Oct. 20.
Liquid Sunshine. For Metal and Wood Polish. Sunshine Laboratories, Inc. 29,364; Oct. 20.
Mound City. For Bread. Saint Louis Bread Company. 29,359; Oct. 20.
Mystico, The Perfect Rug and Carpet Cleaner. For a Chemical Compound for Cleaning Rugs and Carpets. 29,349; Oct. 20.
Nicholson's Fancy Brand. For Potatoes. H. G. Nicholson. 29,354; Oct. 20.
Pearl Confetti. For Crushed Shells. Ringler Rose Co. 29,358; Oct. 20.
Polychrome. For Shingles. H. F. Watson Co. 29,366; Oct. 20.
Putsit-Keepsit. For Hair Tonic. W. Verrier. 29,365; Oct. 20.
Runfre Salt. For Salt. International Salt Company. 29,346; Oct. 20.
Russian Cream Metamorphose. For a Skin Salve and Cream. S. L. Miller. 29,352; Oct. 20.
Sahara. For Ginger Ale. Jetter Beverage Company. 29,347; Oct. 20.
Sailor Boy. For Bread. D. P. Woolley. 29,368; Oct. 20.
Selected Eggs. For Eggs. W. A. Schurmann & Company. 29,361; Oct. 20.
Shu-Milk. For Preparation for Cleaning All Kinds of White Shoes. Shu-Milk Products Corp. 29,362; Oct. 20.
Snoboy. For Fresh Apples. Northwest Fruit Distributors. 29,355; Oct. 20.
Standby. For Fresh Apples. Northwest Fruit Distributors. 29,356; Oct. 20.
The Cushioned Cork Center Ball. For Baseballs. A. J. Reach Company. 29,357; Oct. 20.
The 4 things easy to do to prevent infection. For First-Aid Packets. Bauer & Black. 29,336; Oct. 20.
Tom Hughes. For Cigars. La Vera Cigar Co. 29,350; Oct. 20.
Wilbur's Prepared Cocoa Cubes. Cocoa and Sugar Molded into Cubical Forms. H. O. Wilbur & Sons, Incorporated. 29,367; Oct. 20.
Young's Asthma Remedy. For a Medicinal Preparation. C. N. Young. 29,369; Oct. 20.
Your Ideal Dust-Cloth. For Dust Cloths. S. M. Zelinkoff. 29,370; Oct. 20.

# CLASSIFIED LIST OF TRADE-MARK TITLES.

**PUBLISHED FOR OPPOSITION.**

**[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]**

CLASS 1.

Clay. R. T. Vanderbilt Company. 214,038; Oct. 20.
Clay, Art. Mars-Stone Manufacturing Company. 212,340; Oct. 20.
Clay, Artists'. E. H. & A. C. Friedrichs Co. 216,595; Oct. 20.
Leather, Patent. Snyder-Welch-Process Corporation. 217,740; Oct. 20.
Seed, Grass. L. Carrier. 216,146; Oct. 20.

CLASS 2.

Cartons, Cardboard. Stemar Displays Co. 212,838; Oct. 20.
Chests and candy boxes, Miniature cedar. F. W. Lauer. 218,314; Oct. 20.
Containers, Shipping. A. C. Scott. 214,505; Oct. 20.
Thermally-insulated receptacle. R. W. Mudge. 213,314; Oct. 20.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 3.

Horse collars. A. Germundson. 218,120; Oct. 20.
Horseshoes. Phoenix Horse Shoe Company. 210,923; Oct. 20.

CLASS 4.

Abrasive papers and abrasive cloth. American Glue Company. 219,651; Oct. 20.
Borax and a double salt of trisodium phosphate and sodium metaborate used for cleaning, Mixture of. American Trona Corporation. 218,681; Oct. 20.
Cleaning fluid. Griffin Manufacturing Co. 205,118; Oct. 20.
Cleaning preparation. North Metal & Chemical Co. 219,041; Oct. 20.
Cleanser or cleaning, scouring, or washing powder. Wm. Schield Mfg. Co. 218,336; Oct. 20.
Polish, Metal. H. B. Elrod. 218,296; Oct. 20.
Preparation of tripoli used as metal polishers, etc. F. P. Weller. 214,937; Oct. 20.
Soap. W. T. Grant Company. 219,179; Oct. 20.
Soap. Los Angeles Soap Company. 198,654; Oct. 20.
Soap. "Ofome" Company. 218,320; Oct. 20.
Soap and cleaning powder. Liverpool Borax Co. 194,723; Oct. 20.
Soap flakes. Gold Dust Corporation. 219,738–9; Oct. 20.
Soaps. T. L. Cummings. 213,009; Oct. 20.
Soaps. New Mix Products, Inc. 219,981; Oct. 20.
Soaps and purification and washing powders. Chemische Fabrik Pott & Co. 196,432; Oct. 20.
Soaps, Toilet. L. T. Piver, Inc. 219,603; Oct. 20.
Soaps, Toilet, medicinal, and shaving. J. R. Watkins Company. 219,360; Oct. 20.
Steel wool and soap. International Steel Wool Corporation. 218,974; Oct. 20.

CLASS 6.

Creams, talcum, face, and sachet powders, perfumes, etc., Vanishing massage, cold, and lemon. R. E. Nicholas. 219,680; Oct. 20.
Deodorants and disinfectants. E. B. Harper. 219,667; Oct. 20.
Embalming fluid. Embalmers' Supply Company. 218,355; Oct. 20.
Face pack, face powder, face tonic, etc. L. H. Thurber. 218,206; Oct. 20.
Oral prophylactic. Solex Drug Company. 218,147; Oct. 20.
Preparation for the treatment of scalp and removal of dandruff. J. Sarubi Company. 218,501; Oct. 20.
Remedy, Pile. C. T. Porter. 219,693; Oct. 20.
Salt and internal salt, Natural mineral. G. A. Whittaker. 218,278; Oct. 20.
Salve, Healing. F. Bauman. 217,752; Oct. 20.
Sodium hyposulphate, sodium carbonate, etc. A. R. Maas. 204,462; Oct. 20.
Talcum powder. Avri Drug & Chemical Company. 218,893; Oct. 20.
Tonic, General medicinal. Win-Tone Sales Company. 214,845; Oct. 20.
Veterinary preparations and preparations for human beings. D. M. Hughes. 211,169; Oct. 20.

CLASS 9.

Matches, Safety. Suomen Osuuskauppojen Keskuskunta, R. L. 215,105; Oct. 20.
Matches, Safety. Soumen Osuuskauppojen Keskuskunta, R. L. 219,311; Oct. 20.

CLASS 12.

Bricks. Decatur Brick Mfg. Co. 201,288; Oct. 20.
Cement, Portland. San Antonio Portland Cement Co. 215,755; Oct. 20.
Doors, Veneered, laminated, or built-up. Wheeler, Osgood Company. 215,493; Oct. 20.
Ironing boards, Cabinet. National Mill & Lumber Company. 211,117; Oct. 20.
Lumber, Artificial. Compo-Board Co. 217,758; Oct. 20.
Plaster. M. J. Resnick. 214,823; Oct. 20.
Plastic compound. P. Reuter-Lorenzen. 212,149; Oct. 20.
Plastic preparation. Harrison White, Inc. 212,435; Oct. 20.
Stucco and plaster is to be applied, Base to which. Flint-Rock Stucco Company. 217,080; Oct. 20.

CLASS 13.

Casings, Shrink-head. Gathmann Engineering Company. 219,068; Oct. 20.
Coffee urns, steam tables, food warmers, etc. Star Metal Mfg. Co. 218,932; Oct. 20.
Cooking utensils, Enameled. J. A. Williams & Company. 217,288; Oct. 20.
Driving chains. Hans Renold Limited. 212,043; Oct. 20.
Toilet seats. Allbright Manufacturing Company. 217,596; Oct. 20.
Valves, Boiler relief. Boston Brass Company. 218,099–100; Oct. 20.

CLASS 15.

Gasoline. Carbide & Carbon Chemicals Corporation. 219,227; Oct. 20.
Gasoline. Westbrook Tank Line Co. 217,000; Oct. 20.
Gasoline, kerosene, benzol, lubricating oils, and greases. Cardinal Petroleum Company. 215,892; Oct. 20.
Oil compound. Damascus Manufacturing Corporation. 217,136; Oct. 20.
Oil, Lubricating. F. S. Lyndall. 218,979; Oct. 20.
Oils and machine lubricants, Motor. White & Bagley Company. 217,691; Oct. 20.

CLASS 16.

Auto renewer. L. G. Zachos. 219,021; Oct. 20.
Carbon black. Binney & Smith Company. 217,856; Oct. 20.
Paint enamel. J. L. Prescott Company. 213,858; Oct. 20.
Paints. Baker Paint & Varnish Co. 213,886; Oct. 20.
Paints, varnish stains, prepared shellacs, etc., Ready-mixed house. Scott-Sullivan Paint Co. 217,901; Oct. 20.
Polish and refinisher, Auto and furniture. Young & Sullivan. 211,732; Oct. 20.
Stain and filler for wood, Liquid oil. A. M. Padmore. 190,516; Oct. 20.

CLASS 17.

Cigarettes. L. Mosquera. 215,264; Oct. 20.
Cigars. Waitt & Bond, Inc. 218,382–4; Oct. 20.
Cigars. D. J. Weinreich. 217,842; Oct. 20.
Cigars, cigarettes, and smoking tobacco. Carl Henry Incorporated. 216,534; Oct. 20.

CLASS 19.

Automobile running-board treads. Rubber-On-Metal Welding Corporation. 213,922; Oct. 20.
Motor vehicles. Ajax Motors Company. 215,328; Oct. 20.
Radiator caps. Laurence A. Sweet Manufacturing Company. 215,602–6; Oct. 20.

CLASS 21.

Battery eliminators. Cooper Corporation. 218,797; Oct. 20.
Electrical fittings. Grounduiet Company. 219,482; Oct. 20.
Insulators, insulator fittings and pins, Electrical. R. Thomas & Sons Co. 219,155; Oct. 20.
Lamps and switches therefor, Electrical direction signal. P. P. Basterreix. 218,444; Oct. 20.
Radio apparatus, Loud speakers for. American Bosch Magneto Corporation. 219,568; Oct. 20.
Radio receiving sets. American Bosch Magneto Corporation. 219,567; Oct. 20.
Tubes, Rectifier. American Appliance Co. 219,161; Oct. 20.

CLASS 22.

Balls, bats, tennis rackets, and golf clubs. P. Goldsmith Sons Company. 218,406–7; Oct. 20.
Bats, Baseball. Hillerich & Bradsby Co. 218,486; Oct. 20.
Coaster wagons, scooters, play cars, etc. Hunt, Helm, Ferris & Co. 215,981; Oct. 20.
Exercising apparatus. L. Frankenfeld. 214,721; Oct. 20.
Floats and rafts and accessories thereof. United States Rubber Company. 216,806; Oct. 20.
Game. J. W. Franz. 214,070; Oct. 20.
Game board. Diamant Tool & Mfg. Co. 216,884; Oct. 20.
Golf clubs, Shafts for. Burke Golf Company. 218,161; Oct. 20.
Toy wagons. Hunt, Helm, Ferris & Co. 217,618; Oct. 20.

CLASS 23.

Cake decorators. De Luxe Cake Decorator Company. 217,864; Oct. 20.
Fans, pumps, blowers, etc., Centrifugal. American Blower Company. 212,773; Oct. 20.
Mop wringers. Eagle Woodenware Manufacturing Company. 208,285; Oct. 20.
Sawing machines, metal-punching machines, metal-shearing machines, etc. Armstrong-Blum Manufacturing Company. 212,990; Oct. 20.
Wood-planing machines. Oliver Machinery Co. 219,682; Oct. 20.

CLASS 25.

Locks. W-H Keyless Lock Company. 219,095; Oct. 20.
Radiator caps, Locking. Motor Equipment Manufacturers, Inc. 201,933; Oct. 20.

CLASS 26.

Compasses, patterns, rules, levels, etc. Mauser-Werke Aktiengesellschaft. 215,161; Oct. 20.
Hardness-tester penetrators. Wilson-Maculen Co. 218,148; Oct. 20.
Meters and gauges. H. H. Homer. 218,306; Oct. 20.



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Picture films, Motion-. True Story Films Inc. 217,906; Oct. 20.
Pictures, Moving. Columbia Pictures Corporation. 213,487; Oct. 20.

CLASS 29.

Dusters, Wool. Illinois Duster Company. 217,517; Oct. 20.
Mops. Bouquet-Brownson Co. 219,711; Oct. 20.
Powder puffs, Refillable. L. I. Furlager. 219,175; Oct. 20.

CLASS 30.

Vases, plates, pedestals, etc. Adolphe Schloss Fils & Cie. 208,431; Oct. 20.

CLASS 32.

Clothes racks. L. M. Bender. 211,825; Oct. 20.
Mattresses. Direct Mattress Company. 216,025–6; Oct. 20.
Mattresses. Standard Mattress & Furniture Manufacturing Co. 219,151; Oct. 20.

CLASS 34.

Radiators, hot-air registers, and heaters, Metal cabinets for. Dixie Metal Products Co. 208,578; Oct. 20.
Stoves and ranges, Cooking. Tennessee Stoves Works. 217,428; Oct. 20.

CLASS 35.

Brake liners. Anderson Doolittle & Doolittle. 213,824; Oct. 20.
Hose composed of rubber and fibrous material. B. F. Goodrich Company. 218,753; Oct. 20.
Jar rings, Rubber. Smalley, Kivlan & Outhank. 219,783; Oct. 20.
Packings. Beldam Packing & Rubber Company. 206,102; Oct. 20.
Tires, Inner. Poplar Bluff Rubber Company. 217,420; Oct. 20.
Tires, Rubber. United States Rubber Company. 216,370; Oct. 20.
Transmission, brake, and friction linings. World Besto Corporation. 211,649; Oct. 20.
Tube patches. J. E. Marshall. 219,637; Oct. 20.

CLASS 36.

Ukuleles, banjo ukuleles, lute mandolins, etc. Manhattan Band Instrument Co. 219,037; Oct. 20.

CLASS 37.

Pads, Memorandum. National Cardoscope Co. 192,218; Oct. 20.
Paper, Book. Graham Paper Company. 212,922; Oct. 20.
Paper, Printed Craft. Central States Paper Distributing Co. 218,050; Oct. 20.
Paper sheets, printed forms, sales checks, etc. American Sales Book Company. 214,453; Oct. 20.
Paper sheets, strips, rolls, pads, and the like for manifolding use, printed forms, etc. American Sales Book Company. 197,406; Oct. 20.
Paper, Typewriter. Rockwell-Barnes Company. 200,342; Oct. 20.
Paper, Writing, ledger, and bond. Whitaker Paper Company. 209,327; Oct. 20.
Pencils. Goodman Bursetown. 218,537; Oct. 20.
Pens, Fountain. S. A. Harris. 215,150; Oct. 20.
Sheets, strips, rolls, etc., Paper. American Sales Book Company. 210,214; Oct. 20.

CLASS 38.

Magazine "I Confess" Publications. 217,154; Oct. 20.
Magazine, Monthly. Benevolent and Protective Order of Elks of the United States of America. 209,621; Oct. 20.
Newspaper. King Features Syndicate, Inc. 217,626; Oct. 20.
Newspaper column. Public Press Corporation. 216,933; Oct. 20.
Photographs. Park Lane Studios Inc. 214,092; Oct. 20.
Publication, Daily. Bulletin Record Publishing Co. 217,756; Oct. 20.
Publication, Monthly. Eastern Cotton Oil Company. 217,700; Oct. 20.

CLASS 39.

Clothing. Higginbotham-Bailey-Logan Company. 218,174; Oct. 20.
Coats, Knitted. Walnott Knitting Company. 219,050; Oct. 20.
Coats, suits, dresses, capes, cloak, and fur neckpieces. Paristyle Garment Company. 218,522; Oct. 20.
Coats, Waterproof. United States Rubber Company. 215,034; Oct. 20.
Coats, Women's. Fey Mfg. Co. 217,340; Oct. 20.
Collars and shirts, Men's. National Shirt Shops, Inc. 219,133; Oct. 20.
Corsets. Mabley and Carew Co. 219,751; Oct. 20.
Dresses. Fifth Avenue Styles, Inc. 218,252; Oct. 20.
Dresses. Toutmain, Inc. 218,509; Oct. 20.
Dresses and aprons. Rice-Stix Dry Goods Company. 216,477; Oct. 20.
Dresses, coats, capes, skirts, etc. M. Prince. 217,52–; Oct. 20.
Dresses, coats, cloaks, suits, and skirts. Maxim Co. 217,474; Oct. 20.
Hats, Felt. H. McLachlan & Company. 218,074; Oct. 20.
Hats, Ladies'. J. Parker. 219,043; Oct. 20.
Hats, Men's and boys'. Frank H. Lee Company. 219,436; Oct. 20.
Hose, Men's half. American Cellulose & Chemical Manufacturing Company. 217,242; Oct. 20.
Hose supporters. Ivory Garter Company. 201,084; Oct. 20.
Hosiery. Bear Brand Hosiery Co. 215,729; Oct. 20.
Hosiery. J. H. Clark. 208,569; Oct. 20.
Hosiery. M. Cohen. 217,071; Oct. 20.
Hosiery. S. J. Levy & Sons. 219,341; Oct. 20.
Hosiery. Rotary Hosiery Shops, Inc. 218,374; Oct. 20.
Hosiery. Shriro Brothers, Inc. 219,353; Oct. 20.
Hosiery. Tribond Sales Corporation. 219,314–6; Oct. 20.
Hosiery. Vertex Hosiery Mills, Inc. 218,380; Oct. 20.
Insoles and leather shoe linings, Leather. Beggs & Cobb, Incorporated. 212,057; Oct. 20.
Mittens and gloves. C. D. Osborn Co. 213,855–6; Oct. 20.
Mittens and gloves. C. D. Osborn Co. 214,677; Oct. 20.
Pyjamas and undershirts for men and boys. Kandi Underwear Company. 216,732; Oct. 20.
Shirts, knickers, and bellybands, Infants' and children's. Taylor Bramley Company. 201,782; Oct. 20.
Shoes. O'Donnell Shoe Company. 214,379; Oct. 20.
Shoes. Benjamin Rothman, Inc. 219,142; Oct. 20.
Shoes, Leather. Fenton and Butler. 218,300; Oct. 20.
Slippers, Bedroom and house. Best Ever Slipper Co. 217,855; Oct. 20.
Suits and overcoats. J. L. Powers. 204,115; Oct. 20.
Suits and overcoats, Men's and young men's. L. J. May. 217,571–2; Oct. 20.
Suits, coats, dresses, wraps, and capes, etc. Blum Store. 218,041; Oct. 20.
Suits, Men's. Marshall Field & Company. 216,521; Oct. 20.
Suits, Men's and young men's. Middishade Company. 219,403; Oct. 20.
Topcoats for ladies, Sport fabric and. Piper and Salerno Co. 219,137–8; Oct. 20.
Topcoats, Ladies'. Piper and Salerno Co. 219,136; Oct. 20.
Trousers, shirts, jackets, etc. Jacobson Brothers. 218,020; Oct. 20.
Undergarments. V. L. Sussberg. 218,933; Oct. 20.
Underwear. I. Stern. 213,863; Oct. 20.
Underwear, bathing suits, and hosiery. M. Weinroth. 215,285; Oct. 20.
Underwear, hosiery, and dresses. Lang Knitting Mills, Inc. 217,565; Oct. 20.
Underwear, Ladies'. S. Cohen & Co. 219,381; Oct. 20.

CLASS 40.

Buttons and buckles. Bakelite Corporation. 216,818; Oct. 20.
Combs, Hair. Pacific Novelty Company. 218,202; Oct 20.
Dress shields, collar bands, narrow elastic web, and bias tape. Omo Manufacturing Company. 216,984; Oct. 20.
Shoulder straps and fasteners therefor. Mary Countess of Limburg Stirum. 216,738; Oct. 20.

CLASS 42.

Cloth, Linen. Andrew McLean Company. 218,497; Oct. 20.
Cotton, cotton and silk, and artificial-silk goods in the piece. Rossman Brothers. 216,995; Oct. 20.
Cotton fabrics, mixtures of cotton and silk, etc. Cohn-Hall-Marx Co. 218,000; Oct. 20.
Fabrics, All-worsted dress. Atlantic Mills. 218,443; Oct. 20.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 219,574–5; Oct. 20.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 220,107; Oct. 20.
Pile fabrics in the piece. Sidney Blumenthal & Co. 219,524; Oct. 20.
Woolen and worsted fabrics in the piece. Detmer, Bruner & Mason, Inc. 219,234; Oct. 20.
Woolen piece goods. Forstmann & Huffmann Company. 219,581–3; Oct. 20.
Woolen piece goods. Forstmann & Huffmann Company. 219,621; Oct. 20.
Woolen piece goods. Forstmann & Huffmann Company. 219,735–6; Oct. 20.
Woolen piece goods. Forstmann & Huffmann Company. 220,278–80; Oct. 20.
Woolen piece goods. Forstmann & Huffmann Company. 220,299; Oct. 20.

# CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 44.

Electrical apparatus for locating pathological conditions along the spine. G. R. Hayman. 218,639; Oct. 20.
Rubber goods. H. A. Rindskopf. 218,663; Oct. 20.

CLASS 45.

Beverage and sirups and concentrates. Crescent Laboratories. 212,175; Oct. 20.
Beverage prepared from orange juice and sold as soft drink. Orange-Well, Inc. 216,426; Oct. 20.
Beverage sold as a soft drink. D. G. Alberti. 213,956; Oct. 20.
Beverages. Arctic Fruit Ale Company. 217,849–52; Oct. 20.
Beverages. Diamond Bottling Corporation. 218,954–5; Oct. 20.
Beverages sold as soft drinks and flavored sirups and extracts for making same. Theonett & Co. 217,373; Oct. 20.
Beverages sold as soft drinks and sirups and extracts for making the same. S. P. Snyder. 218,876; Oct. 20.

CLASS 46.

Apples, Fresh. Lake Chelan Fruit Growers. 219,672; Oct. 20.
Bread. Notari Bros. 216,113; Oct. 20.
Bread. Oswald Jaeger Baking Company. 218,184; Oct. 20.
Breads. Cambern Brothers. 215,504; Oct. 20.
Butter. Piedmont Creamery Company. 206,366; Oct. 20.
Cake, bread, candy, and ice cream. Maltop, Inc. 218,710; Oct. 20.
Cake, Chocolate-coated fruit. Associated Laboratories, Inc. 217,692; Oct. 20.
Candies. O. P. Catsigianis. 218,049; Oct. 20.
Candies. Park & Tilford. 213,989; Oct. 20.
Candies and chocolates. E. Greenfield's Sons. 214,547; Oct. 20.
Candy. Brecht Candy Company. 217,251; Oct. 20.
Candy. Robert A. Johnston Company. 212,272; Oct. 20.
Candy. J. Malamusis. 216,348; Oct. 20.
Candy. Sioux Candy Co. 215,946; Oct. 20.
Canned corn. Rossville Packing Co. 218,207; Oct. 20.
Canned fruits and vegetables, dried fruits and catchup. G. W. Bobb Company. 218,449; Oct. 20.
Canned vegetables, flour, spices, etc. Shaffer Stores Company. 218,211; Oct. 20.
Chocolate sauce, Liquid. Devoine Company. 219,029; Oct. 20.
Coffee, cinnamon, pepper, etc. W. Ruebl. 203,330; Oct. 20.
Coffee, tea, spices, and food-flavoring extracts. Joannes Corporation. 216,183; Oct. 20.
Confectionery, ices, ice cream, and beverages. St. Clairs' (Inc.) 200,344; Oct. 20.
Confections, Frozen. Eskimo Pie Corporation. 217,704; Oct. 20.
Cream, sugar, and fruit used in preparing sandwiches, Frozen. G. H. Farrell. 218,803; Oct. 20.
Dressing and sandwich spread, Thousand Island. H. M. Rorke. 204,424; Oct. 20.
Eggs and coffee. A. B. C. Stores, Incorporated. 203,773; Oct. 20.
Feed, Stock. Moorman Mfg. Co. 200,403; Oct. 20.
Flour, Wheat. Empire Milling Company. 216,900; Oct. 20.
Flour, Wheat. Goerz Flour Mills Company. 217,872; Oct. 20.
Flour, Wheat. Louisville Milling Company. 218,978; Oct. 20.
Flour, Wheat. Minneapolis Milling Company. 217,283; Oct. 20.
Flour, Wheat. Sims Milling Company. 217,903; Oct. 20.
Flour, Wheat. Star and Crescent Milling Company. 219,016; Oct. 20.
Flour, Wheat self-rising. Fowler Commission Co. 214,718; Oct. 20.
Food products. Milliner Dairy Company. 194,728; Oct. 20.
Fruits, vegetables, melons, etc., Fresh. C. W. Hooker. 212,924; Oct. 20.
Gum, Chewing. National Gum Co. 219,679; Oct. 20.
Ice cream. Honeycup Ice Cream Co. 218,814; Oct. 20.
Ice cream. D. L. Stull. 219,047; Oct. 20.
Malt sirup. Red Sun Products Co. 218,828; Oct. 20.
Melons and fresh lettuce. Richman & Samuels. 214,749; Oct. 20.
Milk, Condensed. D. L. Sterling & Sons, Inc. 217,803; Oct. 20.
Oats, Prepared. A. & R. Scott, Limited. 208,162; Oct. 20.
Oil, Olive. Corrado Bros. 217,818; Oct. 20.
Oil, Vegetable. Krum Bros. 214,167; Oct. 20.
Oleomargarine. John F. Jelke Company. 207,365; Oct. 20.
Oleomargarine. John F. Jelke Company. 207,378; Oct. 20.
Onions, cucumbers, eggplant, and lettuce, Fresh. Alamo Packing Co. 212,224; Oct. 20.
Oranges, lemons, and grapefruit. Central Lemon Association. 216,879; Oct. 20.
Oranges, lemons, and grapefruit. Central Lemon Association. 216,882; Oct. 20.
Pickle melange, sweet pickle, cucumber relish, pickled onions, and sweet mixed pickle. W. C. Becker. 216,667; Oct. 20.
Tea and coffee. Delano, Potter & Co. 219,531; Oct. 20.
Tomatoes. Turner Oklahoma Company. 218,072; Oct. 20.

CLASS 48.

Beverages and malt tonic, Malt. McAvoy Company. 216,554; Oct. 20.
Malt extracts. M. Peter. 218,871; Oct. 20.
Malt sirup. M. Mazer. 217,888–9; Oct. 20.

CLASS 50.

Awnings, tents, seat covers, flags, etc. A. T. Dize. 217,605; Oct. 20.
Awnings, tents, window shades, etc. A. T. Dize. 217,263; Oct. 20.
Candle holders, Christmas-tree reflectors, Birthday-cake. N. D. Q. Specialty Corporation. 217,476; Oct. 20.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 20TH DAY OF OCTOBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A C Spark Plug Company. (See Zubaty, Joseph, assignor.)
Adelmo, Giorgi, Spring Valley, Ill. Holding device for vibrators. 1,558,327; Oct. 20.
Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Carrier frequency arrangement. 1,557,544; Oct. 20.
Air Reduction Company. (See Van Nuys, Claude C., assignor.)
Aitken, Harry G., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate or similar article of manufacture. Des. 68,504; Oct. 20.
Aitken, Harry G., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate or similar article of manufacture. Des. 68,505; Oct. 20.
Akemann, Walther, Berlin-Dahlem, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Fire-control apparatus for naval guns. 1,557,545; Oct. 20.
Akins, Bryant L., Brooklyn, N. Y. Embossing-press type and strip holder. 1,557,542; Oct. 20.
Aktiebolaget Ljungstroms Ångturbin. (See Ljungström, Fredrik, assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Kirner, Josef, assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Tornberg, Henning T., assignor.)
Aktiebolaget Vaporackumulator. (See Ruths, Johannes, assignor.)
Aleskus, Dominik, Cloquet, Minn. Saw-setting apparatus. 1,558,328; Oct. 20.
Allen, Archie A., assignor to Kirsch Manufacturing Company, Sturgis, Mich. Linoleum-binding strip. 1,557,543; Oct. 20.
Allen, George L., Wilson, N. C. Smoker's device. 1,557,546; Oct. 20.
Alma Manufacturing Company of Baltimore City. (See Kerngood, Allen H., assignor.)
American Automatic Connector Company, The. (See Barber, Martin A., assignor.)
American Bank Note Company. (See Marquardt, Frank C., assignor.)
American Can Company. (See Peters, John F., assignor.)
American Envelope Company. (See Urbanowitz, Stanley B., assignor.)
American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
American Machine and Foundry Company. (See Anderson, Carl E., assignor.)
American Machine & Foundry Company. (See Millring, Edwin R., assignor.)
American Multigraph Company, The. (See Chisholm, Clifton, assignor.)
American Multigraph Company, The. (See Demming, William J., assignor.)
American Optical Company. (See O'Meara, Denis H., assignor.)
American Optical Company. (See Schumacher, E. L., and Boutelle, assignors.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Piano Company. (See Stoddard, Charles F., assignor.)
American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
American Telephone and Telegraph Company. (See Crisson, George, assignor.)
American Telephone and Telegraph Company. (See Lamb, W. E., and Mason, assignors.)
American Telephone and Telegraph Company. (See Perry, Donald B., assignor.)
American Telephone and Telegraph Company. (See Potts, Louis M., assignor.)
American Telephone and Telegraph Company. (See Vernan, Gilbert S., assignor.)
Amrhein, Henry, Oxnard, Calif. Machinery alarm. 1,557,957; Oct. 20.
Andersen, Christian A., Watertown, S. Dak. Artificial bait. 1,557,644; Oct. 20.
Anderson, Arvid E., Schenectady, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,558,448; Oct. 20.
Anderson, Carl E., Brooklyn, N. Y., assignor to American Machine and Foundry Company. Flexible coupling. 1557,958; Oct. 20.
Anderson, Emma C., Spokane, Wash. Compressor. 1,557,547; Oct. 20.
Anderson, James A., Grand Rapids, Mich. Combined vanity dresser and wardrobe. 1,557,959; Oct. 20.
Anderson, Nels J., Owen, Wis. Door-holding device. 1,557,645; Oct. 20.
Angus, William A. R., Winnipeg, Manitoba, Canada. Rail anchor. 1,558,072; Oct. 20.
Ansco Photoproducts, Inc. (See Lessler, Lew W., assignor.)
Apex Chandelier Co. (See Tepfer, Harry, assignor.)
Apollo Piano Company. (See Rauworth, Edwin S., assignor.)
Aram, Otto, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Stoker construction. 1,558,215; Oct. 20.
Archaouloff, Vadime, Paris, France. Cylinder head of internal-combustion engines. 1,558,214; Oct. 20.
Armstrong, James R., assignor to Equitable Meter Company, Ingram, Pa. Fluid-measuring apparatus. 1,557,960; Oct. 20.
Armstrong, Maude, Denver, Colo. Telephone stand. 1,557,646; Oct. 20.
Art-craft Metal Stamping Corporation. (See Shapiro, Saul, assignor.)
Asbury, Dorsey F., Washington, D. C. Valve-operating mechanism. 1,557,548; Oct. 20.
Ashmore, Stephen P., Russellville, Ark. Varnish formula. 1,557,961; Oct. 20.
Assendrup, Bernard J., Twin Falls, Idaho. Toy. 1,558,329; Oct. 20.
Atkin, Joseph C., San Francisco, Calif. Game. 1,557,788; Oct. 20.
Atkins, Thomas R., assignor of one-half to R. M. Davis, Lynn, Mass. Holder for licenses, etc. 1,558,213; Oct. 20.
Austin, Sydney B., Mountain Lakes, N. J., assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Splint stretcher. 1,557,647; Oct. 20.
Averill Manufacturing Corporation. (See Drayton, Grace G., assignor.)
Babbitt, John F. (See Pilcher, A. C., Babbitt, and Pilcher.)
Babcock & Wilcox Limited, et al. (See McGregor, Robert, assignor.)
Babcock & Wilcox Company, The. (See Prentice, John, assignor.)
Bachmann, Wilhelm, Zurich, Switzerland. Bedstead and like joint. 1,558,216; Oct. 20.
Badische Anilin- & Soda-Fabrik. (See Immerheiser, C., and Wolff, assignor.)
Bain, James G., Helena, Mont. Valve for radiators. 1,558,330; Oct. 20.
Baker, Percy W., Putney, London, England. Thermally-actuated electric switch. 1,558,331; Oct. 20.
Baldwin, Leslie A., St. Louis, Mo., assignor to Johns-Manville, Inc. Insulation for oil tanks. 1,558,217; Oct. 20.
Baldwin, William G., Castle Hayne, N. C. Radius-rod brace. 1,558,218; Oct. 20.
Bane, Thurman H., Dayton, Ohio. Helicopter airplane. 1,557,789; Oct. 20.
Barber, Martin A., Cleveland, Ohio, assignor to The American Automatic Connector Company, Wyoming, Del. Lock for automatic train-pipe connecters. 1,557,962; Oct. 20.
Barger, Lewis J., Maplewood, N. J. Door clamp. 1,557,963; Oct. 20.
Barling, Walter H., Dayton, Ohio. Motor arrangement for aircraft. 1,557,790; Oct. 20.
Barnes, Charles J., Redlands, Calif. Baiting device for rodents. 1,558,426; Oct. 20.
Barnwell, William G. (See Blount, William T., assignor.)
Barre, Elmate A., and L. A. Kepler, Dayton, Ohio. Dust shutter for cameras in airplanes. 1,557,791; Oct. 20.
Barton, Hilia J. (See Brandt, E., and Barton.)
Barton, Robert B., Chicago, Ill. Multicolored printing. 1,558,219; Oct. 20.
Basch, Henry H., New York, N. Y. Cushioning fender for vehicles. 1,558,332; Oct. 20.
Bassick Manufacturing Company, The. (See Davis, Ernest W., assignor.)
Bassick Manufacturing Company, The. (See Tarlton, Perle E., assignor.)

Baumann, Karl. Urmston, England, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company. Vapor condenser. 1,558,220; Oct. 20.

Bausch & Lomb Optical Company. (See Bielicke, William F., assignor.)

Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Confection-coating machine. 1,557,964; Oct. 20.

Bayer, Leo J., St. Louis, Mo. Soot blower for boilers. 1,557,792; Oct. 20.

Bayles, Lewis C., and F. M. Slater, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Lubricator for rock drills. 1,558,221; Oct. 20.

Beach, Chester H., Racine, Wis., assignor to Wisconsin Electric Company. Electromagnetic fishing tool. 1,558,447; Oct. 20.

Beaumont, George H., and J. C. Monteith, Cleveland, Ohio. Spring support. 1,558,141; Oct. 20.

Beaumont, R. H., Co. (See Beaumont, Robert H., assignor.)

Beaumont, Robert H., Radnor, assignor to R. H. Beaumont Co., Philadelphia, Pa. Two-way tramcar skip hoist apparatus. 1,557,965; Oct. 20.

Becker, James P., Miami, Fla. Closure operator. 1,557,549; Oct. 20.

Beetow, Albert, Milwaukee, Wis. Backlash take-up for gears. 1,558,222; Oct. 20.

Behringer, Emil, and L. Hatch, Brooklyn, assignors to Wisner Manufacturing Company, New York, N. Y. Engine. 1,558,223; Oct. 20.

Beninghoff, Joseph M., Bryan, Ohio. Signal. 1,558,333; Oct. 20.

Benshadle, Otto, Buffalo, N. Y. Guide clamps for plumbers' testing plugs. 1,557,906; Oct. 20.

Benson, Edwin P., New York, N. Y. Binder. 1,557,550; Oct. 20.

Bentley, Roy, Sabetha, Kans., assignor to F. X. Mudd, Chicago, Ill. Removable deck floor for live-poultry cars. 1,558,224; Oct. 20.

Berger, Adolph L., and D. Gregg, Dayton, Ohio. Automatic regulator for turbo superchargers. 1,557,793; Oct. 20.

Berlizheimer, David T. (See Josephs, J., and Berlizheimer.)

Bertone, Eugene, Stevenson, Md. Adjustable rotary-brush mechanism. 1,557,551; Oct. 20.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-beveling machine. 1,557,552; Oct. 20.

Bibber, Jessie B. (See Borrows, J. A., and Sabine, assignors.)

Bielicke, William F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Objective-lens system. 1,558,073; Oct. 20.

Black, Walter G. (See York, Victor, assignor.)

Blackwell, Joseph, Ironwood, Mich. Powder-box opener. 1,557,794; Oct. 20.

Blair, Joseph H., assignor to St. Louis Car Company, St. Louis, Mo. Splicing cane ends. 1,557,648; Oct. 20.

Blakely, William W. (See Sternbergh, Harry, assignor.)

Blank, Wilhelm, Plauen, Germany. Automatic apparatus. 1,557,640; Oct. 20.

Blount, William T., Washington, D. C., assignor of one-half to W. G. Barnwell, Savannah, Ga. Lock. 1,557,967; Oct. 20.

Bluhm, Leo, New York, N. Y. Printed fabric. Des. 68,506; Oct. 20.

Blunt, James G., Schenectady, N. Y., Journal box for railway vehicles. 1,557,968; Oct. 20.

Bodenhorn, Albert K., Southgate, Calif. Burglar alarm. 1,558,427; Oct. 20.

Boehringer, John A., Springfield, N. Y. Chandelier. Des. 68,507; Oct. 20.

Boeker, Julius C., Mount Olive, Ill. Tooth-cleaning instrument. 1,558,225; Oct. 20.

Bokel, Paul A. (See Goemann, Anton, assignor.)

Bolgiano, John F., Dayton, Ohio. Release device. 1,557,795; Oct. 20.

Bonar, William A., and H. F. Emerson, Nevada, Mo. Dental film support. 1,557,796; Oct. 20.

Bonnot Company, The. (See Sherman, Daniel V., assignor.)

Boom, Clifford A., Flint, assignor to General Motors Corporation, Detroit, Mich. Motor vehicle. 1,557,969; Oct. 20.

Booth, James S., Detroit, Mich. Transmission. 1,558,226; Oct. 20.

Borate, William L., Rochester, N. Y. Support for incandescent lamps. 1,558,227; Oct. 20.

Borchardt, Steve J., Stevens Point, Wis. Lens. 1,557,553; Oct. 20.

Borrows, John A., Portland, and C. T. Sabine, Lewiston, assignors, by mesne assignments, to J. B. Bibber, Portland, Me. Machine for hooking rugs and the like. 1,557,970; Oct. 20.

Bosch, Robert, Aktiengesellschaft. (See Kratz, F., and Schafer, assignors.)

Bosch, Robert, Aktiengesellschaft. (See Lieb, Gustav, assignor.)

Boss, Clarence M. (See Tresider, J. H., and Boss.)

Boss, John C. and R. F., Westerville, Ohio. Pipe coupling. 1,558,334; Oct. 20.

Boss, Rudolph F. (See Boss, John C. and R. F.)

Bostick, Roger, Benoit, Miss., and W. E. Woodson, Jackson, Tenn., assignors of one-third to J. Y. Fauntleroy, New Orleans, La. Railway-mail delivery and receiving apparatus. 1,557,971; Oct. 20.

Bostwick, Rollin B., Duquesne, Pa. Vehicle tire. 1,557,972; Oct. 20.

Botkin, Abraham, Hyattsville, Md. Vest belt. 1,558,228; Oct. 20.

Boudette, Clayton M., Revere, Mass. Sound-reproducing apparatus. 1,557,554; Oct. 20.

Boudinot, Eugene S., Webster City, Iowa. Match holder. Des. 68,508; Oct. 20.

Bontelle, William H. (See Schumacher, E. L., and Bontelle.)

Bowden, Horace H., Prior, Mo. Portable log-sawing machine. 1,557,973; Oct. 20.

Bowman, John J. (See Fulton, H. R., and Bowman.)

Bowman, William S., Orangeville, Pa. Playing cards. 1,558,229; Oct. 20.

Boysen, William F., Buffalo, N. Y. Compacting, batting, or felting cellulose fibrous materials out of liquids. 1,557,797; Oct. 20.

Bradburn, Joseph A., assignor to National Chemical Company, Syracuse, N. Y. Combining soda ash and water. 1,557,974; Oct. 20.

Bradley, Waldo E., Glen Park, England. Closure means for jars. 1,558,335; Oct. 20.

Brandt, Edward, and H. J. Barton, Detroit, Mich. Electric-lighting fixture. Des. 68,509; Oct. 20.

Brandt, Henry E., assignor to Dobbins Manufacturing Company, North St. Paul, Minn. Sprayer closure. 1,557,650; Oct. 20.

Brégeat, Jean H., Paris, France. Absorbing vapors. 1,558,336; Oct. 20.

Breneman, Paul E., assignor to C. R. Wilson Body Company, Detroit, Mich. Attachable upholstery for vehicle bodies. 1,558,434; Oct. 20.

Breneman, Paul E., assignor to C. R. Wilson Body Company, Detroit, Mich. Metallic body for vehicles. 1,558,435; Oct. 20.

Brenner, Moe, Far Rockaway, N. Y. Adjustable head-size hat. 1,558,142; Oct. 20.

Bridges, Charles E., Los Angeles, Calif. Automatic air gauge. 1,558,428; Oct. 20.

Bried, Julien A., Oakland, assignor of one-half to S. L. Rogers, San Francisco, Calif. Sliding-jaw clutch. 1,558,074; Oct. 20.

Bright Star Battery Co. (See Teitelbaum, Boris H., assignor.)

Britton, J. Hays. (See Sandbo, Anton I., assignor.)

Britton, Walter J., Spartanburg, S. C. Tester. 1,558,337; Oct. 20.

Brock & Weymouth Incorporated. (See Pedersen, Niels, assignor.)

Brock Glass Company. (See Gray, Granville H., assignor.)

Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Heavy-fuel vaporizer. 1,558,230; Oct. 20.

Brooks, Fern O., Boyne City, Mich. Carriage runner. 1,558,338; Oct. 20.

Brown Company. (See Richter, George A., assignor.)

Brown, Leonard H., North Palo Alto, and R. Malmgren, Mayfield, Calif. Paintbrush protector. 1,558,339; Oct. 20.

Brown, Levander, jr., Montreal, Quebec, Canada. Painting machine. 1,557,975; Oct. 20.

Brown-Lipe Gear Company. (See Sweet, Henry W., assignor.)

Brown, Phelps, and T. G. Louis, Springfield; said Louis assignor to Wico Electric Company, West Springfield, Mass. Magneto. 1,557,976; Oct. 20.

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Rolling landslide. 1,557,798; Oct. 20.

Brownback, Russell J., Norristown, Pa. Windshield wiper. 1,558,340; Oct. 20.

Browne, Stewart R., Brooklyn, N. Y. Ball valve and producing same. 1,558,143; Oct. 20.

Bruce, William M., jr., Springfield, Ohio. Multiplex telegraphy. 1,558,231; Oct. 20.

Brückner, Albert, Jersey City, N. J. Rag doll. 1,558,232; Oct. 20.

Brundage, James W., assignor to The Miller Rubber Company, Akron, Ohio. Seam-reenforcing machine. 1,558,341; Oct. 20.

Brunswick-Balke-Collender Company, The. (See Trieber, Theodore R., assignor.)

Bryant Electric Company, The. (See Thomas, George B., assignor.)

Bryant, Julian K., assignor to Security Engineers, Incorporated, Lowell, Mass. Self-gripping adjustable coupling. 1,558,233; Oct. 20.

Buchanan, Frank, Syracuse, N. Y. Headlight. 1,557,555; Oct. 20.

Budd Wheel Company. (See Ludwick, Herbert V., assignor.)

Budroe, Francis J., and J. J. McCormick, jr., Uva, Wyo. Sickle scabbard. 1,557,920; Oct. 20.

Buel, Hillhouse, Seattle, Wash. Process of and apparatus for drying materials. 1,557,921; Oct. 20.

Bulger, Michael R., Beaver Dam, Wis. Dip tank. 1,557,799; Oct. 20.

Bunn, Alexander M., assignor to National Assorting Company, Washington, D. C. Feeding device for sorting machines. 1,558,234; Oct. 20.



Burdick, Edward C. (See Veazey, W. R., and Burdick.)

Burlington Blanket Company. (See Rusch, Gustave C., assignor.)

Burrows, Leslie H., Hobart, Tasmania, Australia. Manufacture of boots and shoes. 1,557,977; Oct. 20.

Burton, Carroll, Johnstown, Pa. Pressed-steel container. 1,558,235; Oct. 20.

Burton, Nelson S., Ardmore, Okla., assignor to N. Burton, Clarksburg, W. Va. Supporting device for oil-well drive shafts. 1,558,236; Oct. 20.

Burton, Nina. (See Burton, Nelson S., assignor.)

Burton, Paul C. (See Galloway, R. M., and Burton.)

Bush, A. G. (See Joseph, Harry F., assignor.)

Buss, Joseph J., Prescott, Wis. Seeder and drill attachment. 1,557,651; Oct. 20.

C. G. Spring & Bumper Company. (See Dunston, Wayne E., assignor.)

Cameron, Charles E., East Orange, N. J. Wind-inducing bellows. 1,557,978; Oct. 20.

Campbell-Hausfeld Company, The. (See Luebbing, Oscar H., assignor.)

Car Dumper & Equipment Co. (See Mead, Harold G., assignor.)

Carlson, Carl A., Fort Dodge, Iowa. Automatic garage-door opener. 1,557,922; Oct. 20.

Carpenter, Charles E., Chicago, Ill. Razor strop. 1,557,652; Oct. 20.

Carpenter, Mason G., Marietta, Ohio. Drilling machine. 1,557,556; Oct. 20.

Carroll, Willard R., assignor to The Lyons Manufacturing Company, New Haven, Conn. Friction joint for window adjusters and the like. 1,557,923; Oct. 20.

Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Cap for bottles or other containers. 1,557,653; Oct. 20.

Cary Manufacturing Co. (See Cary, Spencer C., assignor.)

Cary, Spencer C., assignor to Cary Manufacturing Co., Brooklyn, N. Y. Metallic floor covering. 1,557,800; Oct. 20.

Case Research Laboratory Incorporated. (See Case, Theodore W., assignor.)

Case, Theodore W., Scipio, assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Apparatus for measuring and detecting X rays. 1,557,979; Oct. 20.

Caspain, Basile, Montreal, Quebec, Canada, assignor to Eagle Utilities Company, Detroit, Mich. Oil gauge. 1,557,654; Oct. 20.

Cave, Henry, and C. P. Manning, assignors to The Fuller Brush Company, Hartford, Conn. Brush handle. 1,557,655; Oct. 20.

Cave, Isabel N., Brooklyn, N. Y. Garment hanger. 1,558,075; Oct. 20.

Cawley, Aloysius J., Pittston, Pa. Electrodeposition. 1,557,980; Oct. 20.

Chamberlain, Rufus N., Chicago, Ill. Indicating device for storage batteries. 1,558,076; Oct. 20.

Chamberlin, Charles P., Calgary, Alberta, Canada. Keyless auto and alarm switch. 1,557,801; Oct. 20.

Chance Brothers and Co. (See Forster, Alfred L., assignor.)

Chapin, Fred H., Cleveland, Ohio. Manufacturing shrink-head castings. 1,558,237; Oct. 20.

Charter, James A., Chicago, Ill. Vent valve for engines. 1,558,238; Oct. 20.

Chase, Franklin D., Berkeley, Calif. Flusher box. 1,557,656; Oct. 20.

Chausseped, Alexis, Saumur, France. Rotary power plant. 1,557,557; Oct. 20.

Cheeseman, Albert R., Toronto, Ontario, Canada. Electric iron. 1,558,077; Oct. 20.

Cherbonnier, Edward G., Baltimore, Md. Animal trap. 1,557,558; Oct. 20.

Chicago Cleveland Car Roofing Company. (See Costello, Joseph A., assignor.)

Chicago-Cleveland Car Roofing Company. (See Russell, Thomas N., assignor.)

Chireix, Henri, Paris, France. Electric relay. 1,558,144; Oct. 20.

Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Embossing machine. 1,557,754; Oct. 20.

Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Mechanism for assembling printing strips. 1,557,755; Oct. 20.

Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Device for taking printers' proofs. 1,557,756; Oct. 20.

Chittenden, Charles E., Auckland, New Zealand. Flushing device. 1,558,342; Oct. 20.

Chollet, Louis, Paris, France, assignor to Compagnie Industrielle et Commerciale du Cycle et de l'Automobile, Neuilly-sur-Seine, France. Mechanical horn. 1,557,658; Oct. 20.

Christensen, John E., and H. P. McNerney, Chicago, Ill. Candy box. Des. 68,510; Oct. 20.

Citron, William J., assignor of one-half to L. R. Greenfield, San Francisco, Calif. Film attachment for stereopticon-projecting machines. 1,558,145; Oct. 20.

Claessens, Frederick C. (See Leonard, Frank P., assignor.)

Clark, Ezra E., Newtonville, Mass., assignor to E. J. Fee, New York, N. Y. Drip valve for dry-pipe valves. 1,557,559; Oct. 20.

Clark, John, Buffalo, N. Y. Hoisting hook. 1,557,802; Oct. 20.

Clawson, Monroe S., Upper Montclair, N. J. Nonrusting alloy. 1,557,981; Oct. 20.

Clifford, Roger W., Schenectady, N. Y. Exhaust-steam collector. 1,557,982; Oct. 20.

Closure Service Company, The. (See Carvalho, Leslie R. N., assignor.)

Clyde Iron Works. (See McGiffert, John R., assignor.)

Cochran, Frank A., et al. (See Wyatt, Alfred, assignor.)

Cochran, Samuel J., et al. (See Wyatt, Alfred, assignor.)

Coker, Lewis M., and G. L. Felix, Springdale, Pa. Washing machine. 1,557,983; Oct. 20.

Colburn, Henry R., et al. (See Cross, Lawrence P., assignor.)

Coleman, William R., Birmingham, Ala. Rotary-dump controller. 1,557,659; Oct. 20.

Collings, William R. (See Cottringer, P., and Collings.)

Columbia Graphophone Company. (See Jones, Frederick W., jr., assignor.)

Colvin, Julius J. (See Lewis, L. R., and Colvin.)

Commonwealth Steel Company. (See Pfager, Harry M., assignor.)

Compagnie Industrielle et Commerciale du Cycle et de l'Automobile. (See Chollet, Louis, assignor.)

Comstock, Jackson D., Chester, W. Va. Automobile tire tread. 1,557,984; Oct. 20.

Condra, Rufus R., Nashville, Tenn. Twine-tensioning device. 1,557,985; Oct. 20.

Congoleum Company. (See Mathes, Walter M., assignor.)

Continental Roofing and Manufacturing Company, The. (See Dohm, Charles W., assignor.)

Cook, Asa S., Company, The. (See Duston, E. W., and Crosby, assignors.)

Cook, Edward G., assignor of two-thirds to R. L. Reese and H. J. Ellis, Wilmington, Del. Tire-rim tool. 1,557,986; Oct. 20.

Cook, Gustave, Gillett, Wis. Headlight. 1,558,343; Oct. 20.

Cook, William E., New York, N. Y. Sliver for insulating wires. 1,557,803; Oct. 20.

Cook, William E., New York, N. Y. Sliver-forming machine. 1,557,804; Oct. 20.

Coryell, Stanley, Oxnard, Calif. Piston. 1,557,987; Oct. 20.

Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing apparatus. 1,557,560; Oct. 20.

Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,557,561; Oct. 20.

Costello, Joseph A., Cleveland, Ohio, assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Wilmington, Del. Carline. 1,558,239; Oct. 20.

Cottrell, Sylvester P., Buffalo, N. Y. Combined light and firearm. 1,557,805; Oct. 20.

Cottringer, Paul, and W. R. Collings, assignors to The Dow Chemical Company, Midland, Mich. Making anhydrous magnesium chlorides. 1,557,660; Oct. 20.

Couts, Newton O., Bucyrus, Ohio. Towing cable. 1,557,806; Oct. 20.

Cox Corporation. (See Loughridge, Matthew H., assignor.)

Craig, Burnie J., Cleveland, Ohio. Record card. 1,557,924; Oct. 20.

Craig, Robert, assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Scale. 1,558,146; Oct. 20.

Cram, Harry O., Bridgeport, Conn. Carburetor. 1,557,657; Oct. 20.

Cramer, Anton M., Montreal, Quebec, Canada. Wall construction. 1,557,661; Oct. 20.

Crane Co. (See Dopp, Carl A., assignor.)

Crane, Joseph B., assignor to G. T. Ladd, Pittsburgh, Pa. Baffling for boilers. 1,558,344; Oct. 20.

Crawford, James W., Memphis, Tenn. Invalid bed. 1,557,662; Oct. 20.

Crawford, Walter E., Orlando, Fla. Oil gauge. 1,558,240; Oct. 20.

Crisson, George, Hoboken, N. J., assignor to American Telephone and Telegraph Company. Frequency selective device. 1,557,562; Oct. 20.

Crocker Chair Company. (See Zundel, Eugene A., assignor.)

Croissetiere, Obie. (See King, L., and Croissetiere.)

Crosby, Reuben S. (See Duston, E. W., and Crosby.)

Cross, Lawrence P., assignor of one-fifth to H. B. Colburn, one-fifth to B. T. Sayles, one-fifth to E. W. Sales, and one-fifth to C. E. Valette, Gary, Ind. Vehicle body stabilizer and equilibrium device. 1,557,663; Oct. 20.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Loop for lighting fixtures. Des. 68,511; Oct. 20.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Loop for lighting fixtures. Des. 68,512; Oct. 20.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Loop for lighting fixtures. Des. 68,513; Oct. 20.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Loop for lighting fixtures. Des. 68,514; Oct. 20.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Loop for lighting fixtures. Des. 68,515; Oct. 20.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Plate for lighting fixtures. Des. 68,516; Oct. 20.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Plate for lighting fixtures. Des. 68,517; Oct. 20.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Plate for lighting fixtures. Des. 68,518; Oct. 20.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Plate for lighting fixtures. Des. 68,519; Oct. 20.
Crowell, Joseph W. (See Ovington, Edward J., assignor.)
Crowley-Prairie Realty Company. (See Shanahan, Stephen, assignor.)
Cummings, Florence L., Asheville, N. C. Implement for returning the temperature-indicating substances of thermometers to normal. 1,557,807; Oct. 20.
Cuppies Company Manufacturers. (See Fleischli, John A., assignor.)
Curley, Robert S. (See Langevin, F. D., and Curley.)
Cutler-Hammer Mfg. Co., The. (See Reisbach, Gustave B., assignor.)
Dafert-Sensel-Timmer, Orville A., Vienna, Austria. Medical compound and manufacturing the same. 1,558,241; Oct. 20.
Dahlstrom, John, Pittsburgh, Pa. Lens. 1,557,563; Oct. 20.
Dale, Alonzo S. (See Walton, Mark, assignor.)
Dale, William B., Winnetka, assignor to Street & Kent Mfg. Co., Chicago, Ill. Compression shampoo fixture. 1,557,808; Oct. 20.
Dalman, Gerrit H., Ripon, Calif. Switch mechanism for road signals. 1,558,242; Oct. 20.
Daniel, John C., Winston-Salem, N. C. Rotating electric sign. 1,558,243; Oct. 20.
Daquino, Nunzio, Akron, Ohio. Shoe heel. 1,557,564; Oct. 20.
Darby, Edward A., Philadelphia, Pa. Golf-tee marker. 1,558,078; Oct. 20.
Davenport, Philip E., London, England. Microphone transmitter for gramophones. 1,557,664; Oct. 20.
Davidson, Charles J., Milwaukee, Wis. Float alarm. 1,558,147; Oct. 20.
Davidson, David, Leeds, England. Reenforced concrete structure. 1,557,665; Oct. 20.
Davies, Henry R., assignor to Industrial Research Corporation, Toledo, Ohio. Ignition system. 1,557,566; Oct. 20.
Davis, Augustine, jr., Covington, Ky. Bucket-box construction. 1,557,565; Oct. 20.
Davis, Charles M., Lynn, Mass. Terminal connecter. 1,557,666; Oct. 20.
Davis, Ernest W., Oak Park, assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,558,244; Oct. 20.
Davis, John F., Decatur, Ill. Faucet. 1,558,245; Oct. 20.
Davis, Ralph M. (See Atkins, Thomas R., assignor.)
Davis, Taube, assignor to Franklin Simon & Co. Inc., New York, N. Y. Coat. Des. 68,520; Oct. 20.
Dawson, Elma N. (See Dawson, James C., assignor.)
Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose-leaf binder. 1,558,246; Oct. 20.
Daynix, John C., Philadelphia, Pa. Aeroplane. 1,557,567; Oct. 20.
Dayton Scale Company. (See Craig, Robert, assignor.)
Dayton Scale Company. (See Wood, George R., assignor.)
Decker, Edwin S., Malden, assignor to Gibby Foundry Company, Boston, Mass. Hand stoker. 1,557,809; Oct. 20.
Decker, Frank L., Kimble, Pa. Building form. 1,558,247; Oct. 20.
Decker, Richard M., Company. (See Wellde, Louis G., assignor.)
Deckhoff, Benjamin, New York, N. Y. Vehicle body. Des. 68,521; Oct. 20.
Deere & Company. (See Brown, Theophilus, assignor.)
Deere & Company. (See White, Charles H., assignor.)
De France, Murrell R., Bellevue, Pa. Brake shoe. 1,557,667; Oct. 20.
De France, Murrell R., Bellevue, Pa. Brake shoe. 1,557,668; Oct. 20.
De France, Murrell R., Bellevue, Pa. Brake shoe. 1,557,669; Oct. 20.
De France, Murrell R., Bellevue, Pa. Making brake shoes. 1,557,670; Oct. 20.
De France, Murrell R., Bellevue, Pa. Making brake shoes. 1,557,671; Oct. 20.
De Lin, Martin, Holland, Mich. Die. 1,558,345; Oct. 20.
Demming, William J., assignor to The American Multigraph Company, Cleveland, Ohio. Mechanism for assembling printing strips. 1,557,810; Oct. 20.
Demming, William J., assignor to The American Multigraph Company, Cleveland, Ohio. Delivery mechanism for embossing machines. 1,557,811; Oct. 20.
Demyanovich, Mylan, assignor of one-half to G. Pieri, New York, N. Y. Oil burner. 1,558,148; Oct. 20.
Dennison, John M., New York, N. Y. Heat-generating composition. 1,558,248; Oct. 20.
Denturk, Henry C., Huntington, N. Y. Dirigible airship. 1,557,812; Oct. 20.
Dermatological Laboratories, Incorporated. (See McGowan, Michael J., assignor.)
Derse, Arthur F., Union Course, and W. B. Wilshusen, Mount Vernon, N. Y. Folding chair. 1,557,813; Oct. 20.
Derse, Arthur F., Union Course, and W. B. Wilshusen, Mount Vernon, N. Y. Hinge for folding chairs. 1,557,814; Oct. 20.
Devine, John A., Cheyenne, Wyo. Dental gauge. 1,557,988; Oct. 20.
De Witt, James V., Vidor, Tex. Flytrap. 1,558,251; Oct. 20.
De Zeng, Henry L., Moorestown, N. J. Artificial lure. 1,558,249; Oct. 20.
Dhé, Paul, Paris, France. Melting furnace of the tilting type. 1,558,250; Oct. 20.
Dickey, W. S., Clay Manufacturing Company. (See Flournoy, Samuel I., assignor.)
Dilley, James V., Detroit, Mich. Gasoline gauge. 1,557,568; Oct. 20.
Dinwiddie, Joseph G., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyestuff and making same. 1,558,252; Oct. 20.
Distel, Joseph F., and F. Kleuken, Wilmot, Minn. Brooder. 1,557,925; Oct. 20.
Dobbins Manufacturing Company. (See Brandt, Henry E., assignor.)
Doerner, Henry A., Reno, Nev. Centrifugal concentrator. 1,557,672; Oct. 20.
Dohm, Charles W., assignor to The Continental Roofing and Manufacturing Company, Baltimore, Md. Shingle strip. Des. 68,522; Oct. 20.
Dombrowsky, Alexander, Balboa, Canal Zone. Rack for collars and neckties. 1,557,989; Oct. 20.
Donley Brothers Company, The. (See Donley, George W., assignor.)
Donley, George W., assignor to The Donley Brothers Company, Cleveland, Ohio. Fireplace basket. Des. 68,523; Oct. 20.
Dopp, Carl A., assignor to Crane Co., Chicago, Ill. Gate valve. 1,557,926; Oct. 20.
Dorris, George P., St. Louis, Mo. Variable-speed shift mechanism. 1,558,149; Oct. 20.
Dorsey, Robert L., assignor to Tucker & Dorsey Mfg. Co., Indianapolis, Ind. Truck tie plate. 1,557,815; Oct. 20.
Doty, Fred D., New Orleans, La. Boat. 1,557,990; Oct. 20.
Dougherty, Paul S., assignor to Standard Galvanizing Co., Chicago, Ill. Refrigerator-car drain. 1,557,816; Oct. 20.
Dow Chemical Company, The. (See Cottringer, P., and Collings, assignors.)
Dow Chemical Company, The. (See Veazey, W. R., and Burdick, assignors.)
Drake, E. J., et al. (See Mueller, Robert A., assignor.)
Drayton, Grace G., assignor to Averill Manufacturing Corporation, New York, N. Y. Doll. Des. 68,524; Oct. 20.
Dunlap, Charles G., and A. Witten, North Tazewell, Va. Shade roller. 1,557,673; Oct. 20.
Dunston, Wayne E., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper-supporting means. 1,558,253; Oct. 20.
Du Pont, E. I., de Nemours & Company. (See Dinwiddie, Joseph G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Nevius, George H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Schwartz, George L., assignor.)
Duratex Corporation. (See Ford, Stuart M., assignor.)
Dusha, Paul F., New York, A. Feyk, Bohemia, and E. Feyk, assignors to Holub-Dusha Co., New York, N. Y. Machine for cutting button blanks. 1,558,254; Oct. 20.
Duston, Ernest W., Cleveland, Ohio, and R. S. Crosby, assignors to The Asa S. Cook Company, Hartford, Conn. Feeder for automatic metal-working machines. 1,558,079; Oct. 20.
Dyson, Alfred H., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Automatic telephone-exchange system. 1,557,991; Oct. 20.
Dyson, Alfred H., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone system. 1,557,992; Oct. 20.
Dyson, Alfred H., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Co. Automatic telephone-exchange system. 1,557,993; Oct. 20.
Dyson, Robert G., Trooper, and H. S. Plummer, Fairview Village, assignors to Franklin Air Compressor Works, Norristown, Pa. Blowing device. 1,557,994; Oct. 20.
Eagle Engineering Company, The. (See Pfeifer, Ferdinand A., assignor.)
Eagle Utilities Company. (See Caspain, Basile, assignor.)
Eames, George M., Bridgeport, Conn., and I. F. Webb, Elizabeth, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Sectional shaft bearing and coupling. 1,557,569; Oct. 20.
Earnshaw, William B., assignor to General Motors Research Corporation, Dayton, Ohio. Internal-combustion-engine piston. 1,557,995; Oct. 20.
Ebinger, Michael, Oakland, Calif. Furring nail. 1,558,150; Oct. 20.



Eckman, George, and A. W. Moore, Kalamazoo, Mich. Charging the storage batteries of wheeled vehicles. 1,557,570; Oct. 20.
Economy Screw Corporation. (See McCain, Paul H., assignor.)
Eden, James A., jr., Springfield, Mass., assignor to W. H. Foster, New York, N. Y. Bolt machine. 1,558,441; Oct. 20.
Edwards, William A., Chicago, Ill. Dashpot-controlled air valve for internal-combustion engines. 1,557,674; Oct. 20.
Efficiency Mfg. Co. (See Pilcher, A. C., Babbitt, and Pilcher, assignors.)
Egry Register Company, The. (See Neth, George J., assignor.)
Ehrman, Victor, Los Angeles, Calif. Educational toy. 1,558,346; Oct. 20.
Eichelberger, Albert, De Soto, Mo. Lubricating system. 1,557,675; Oct. 20.
Eisenstadt, Jacob W. (See Hill, William C., assignor.)
Eklund, Isak, Paterson, N. J. Safety razor. 1,557,676; Oct. 20.
Eldon, Albert J., Mount Vernon, assignor to The Paramount Rubber Cons., Inc., Tuckahoe, N. Y. Swimming ring. Des. 68,525; Oct. 20.
Electric Service Supplies Company. (See McFarlin, J. R., and McAllister, assignors.)
Eliggi, Bartolomeo, and L. Lorenzi, San Francisco, Calif. Automobile signaling device. 1,557,817; Oct. 20.
Ellicott Machine Corporation. (See Smith, George, assignor.)
Elliott, William Y., Deer Lodge, Mont. Resilient wheel. 1,557,677; Oct. 20.
Ellis, Carleton, Montclair, N. J. Keto-alcohol resin and making the same. 1,557,571; Oct. 20.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Furfural product and making same. 1,558,442; Oct. 20.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Ellis-Foster Company. (See Maze, Augustus E., assignor.)
Ellis-Foster Company. (See Weber, Harry M., assignor.)
Ellis, Henry J., et al. (See Cook, Edward G., assignor.)
Elsas, Edward J., Kansas City, Mo. Combustion engine, piston, and bearing. 1,557,818; Oct. 20.
Emerson, Howard F. (See Bonar, W. A., and Emerson.)
Engl, Josef. (See Massolle, J., Vogt, and Engl.)
Engl, Josef, and J. Massolle, Berlin-Grunewald, and H. Vogt, Berlin-Wilmersdorf, Germany, assignors to Tri-Ergon, Limited, Zurich, Switzerland. Acoustic-cinematographic apparatus. 1,557,678; Oct. 20.
Ennis, George H., New York, N. Y. Fastener. 1,557,996; Oct. 20.
Equitable Meter Company. (See Armstrong, James R., assignor.)
Erickson, Warren J., Chicago, Ill. Humidity pan. 1,557,997; Oct. 20.
Eskilstuna Separator Aktieboleg. (See Larson, E. V., and Lindeberg, assignors.)
Evans, John, Eltham, England. Apparatus for the exhibition of pictures, announcements, and the like. 1,558,151; Oct. 20.
Everett, Russell M., Bloomfield, N. J. Sound-reproducing instrument. 1,557,998; Oct. 20.
Evette, Leon M., assignor to Societe Evette and Schaeffer, Paris, France. Keyed wind instrument. 1,557,819; Oct. 20.
Ewing, Robert, Detroit, Mich. Hinge. 1,557,572; Oct. 20.
Fabrique de Soie Artificielle de Tubize, Societe Anonyme. (See Lams, Isidore O. E., assignor.)
Fairbanks, E. and T., and Company. (See Osgood, L. A., and Wolf, assignors.)
Fanslow, Benjamin O., New York, N. Y. Razor-blade stropper. 1,558,152; Oct. 20.
Farbenfabriken vorm. Friedr. Bayer and Co. (See Leuchs, O., and Hübert, assignors.)
Farley, Everett R., Paoli, Ind. Door latch. 1,557,927; Oct. 20.
Farnham, Rion B., Buffalo, N. Y. Drive-control mechanism. 1,557,999; Oct. 20.
Farrow, Albert P., Knoxville, Tenn. Radiotoy. 1,558,347; Oct. 20.
Fassler, Peter, assignor to Fisher Body Corporation, Detroit, Mich. Butt-welding machine. 1,557,573; Oct. 20.
Fauntleroy, J. Y. (See Bostick, R., and Woodson, assignors.)
Faure, Frank C., Petaluma, Calif. Automatic spark retarder. 1,558,255; Oct. 20.
Fee, Frank J. (See Clark, Ezra E., assignor.)
Feist, Max H., Toutle, Wash. Figure toy. 1,557,679; Oct. 20.
Felix, George L. (See Coker, L. M., and Felix.)
Ferguson, Milford B., and E. Haas, Brooklyn, N. Y. Wrapping machine. 1,557,574; Oct. 20.
Ferkel, Karl A., Los Angeles, Calif. Temperature-indicating means. 1,558,153; Oct. 20.
Fernberger, Harry M., Asbury Park, N. J., assignor to General Electric Company. Making tungsten wires. 1,558,000; Oct. 20.
Ferrand, Fred, Southport, England. Machine for spinning or doubling yarns and threads. 1,558,001; Oct. 20.
Ferree, Clarence E. and G. R., Bryn Mawr, Pa. Method of and apparatus for vision testing. 1,558,348; Oct. 20.
Ferree, Gertrude R. (See Ferree, Clarence E. and G. R.)
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 1,558,002; Oct. 20.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 1,558,003; Oct. 20.
Feguère, Ernest, Boulogne-sur-Seine, France. Separator. 1,558,004; Oct. 20.
Feyk, Anton. (See Dusha, P. F., and Feyk.)
Feyk, Emil. (See Dusha, P. F., and Feyk.)
Finley, Dozier, Oakland, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Construction material. 1,558,005; Oct. 20.
Fiorito, Vincent, Chicago, Ill. Table. 1,558,256; Oct. 20.
Firestone Tire and Rubber Company. (See Stevens, William C., assignor.)
Fisher Body Corporation. (See Fassler, Peter, assignor.)
Fisher, Harold, Chicago, and D. Hoobler, Streator, Ill. Music instructor for children. 1,558,257; Oct. 20.
Fisker & Nielsen A/S, Messrs. (See Fisker, Peder A., assignor.)
Fisker, Peder A., assignor to Messrs. Fisker & Nielsen A/S, Copenhagen, Denmark. Vacuum cleaner. 1,558,006; Oct. 20.
Fitch, Jason A., assignor to The General Fireproofing Company, Youngstown, Ohio. Ticket holder for shelving. 1,558,154; Oct. 20.
Flader, Frederic E. (See Laddon, I. M., and Flader.)
Flansburg, Peter, Manistee, Mich. Berry box or container. 1,558,155; Oct. 20.
Fleischli, John A., assignor to Cuppies Company Manufacturers, St. Louis, Mo. Cuffing machine. 1,557,680; Oct. 20.
Fletcher, Wallace R., Dayton, Ohio. Blast tube for machine guns. 1,557,820; Oct. 20.
Flexomet Corporation. (See Schlotter, C. A., and Scholl, assignors.)
Flinchbaugh, Clarence E., Lima, Ohio. Stake holder. 1,558,258; Oct. 20.
Florman, Irving, New York, N. Y. Casing for a temperature-indicating device. Des. 68,526; Oct. 20.
Flournoy, Samuel I., assignor, by mesne assignments, to W. S. Dickey Clay Manufacturing Company, Kansas City, Mo. Clay-pipe-forming press. 1,557,821; Oct. 20.
Folsom, Otis H., Peoria, Ill., assignor to S. M. Langstron Company, Camden, N. J. Winding machine. 1,558,429; Oct. 20.
Ford, Henry, Dearborn, Mich. Brake. 1,557,575; Oct. 20.
Ford, Stuart M., Bridgeport, Conn., assignor to Duratex Corporation, Newark, N. J. Fabric-delivering mechanism for embossing presses. 1,558,156; Oct. 20.
Forrester, Charles J. (See Forrester, T. C., and Forrester.)
Forse, William H., jr., Anderson, Ind. Double-roller shade and light-shield supporting bracket. 1,557,576; Oct. 20.
Forster, Alfred L., assignor of one-half to Chance Brothers and Co. Limited, Smethwick, England. Valve. 1,558,157; Oct. 20.
Foster, Walter H. (See Eden, James A., jr., assignor.)
Foulk, Albert C., Dayton, Ohio. Pressure regulator, sylphon type. 1,557,822; Oct. 20.
Fouts, James L., Muskegon, Mich. Combination lock. 1,558,080; Oct. 20.
Franco, Cesario S., Philadelphia, Pa. Portable stand for shavers. 1,558,259; Oct. 20.
Franklin Air Compressor Works. (See Dyson, R. G., and Plummer, assignors.)
Franklin, H. H., Manufacturing Company. (See Stellmann, Louis M., assignor.)
Franklin Simon & Co. (See Davis, Taube, assignor.)
Franklin Simon & Co. (See Siegel, Maude, assignor.)
Fraser, John H. (See Robertson, E. F., and Fraser.)
Frattalone, Theodore R., New York, N. Y. Well-bucket construction. 1,557,823; Oct. 20.
Frederick, William S., Cylinder, Iowa. Colter-wheel bracket. 1,558,007; Oct. 20.
Fredericks, Charles C., St. Louis, Mo. Nonrefillable container. 1,557,577; Oct. 20.
Freedman, Samuel, Philadelphia, Pa. Sealing liquid for compressed-air containers and making the same. 1,558,008; Oct. 20.
Frick, Chester A., Muncie, Ind. Bottle refrigerator. 1,557,578; Oct. 20.
Fried. Krupp Aktiengesellschaft. (See Akemann, Walther, assignor.)
Friedrich, Alfred, assignor to National Silver Deposit Ware Co., Inc., New York, N. Y. Plate or like article. Des. 68,527; Oct. 20.
Friedrich, Alfred, assignor to National Silver Deposit Ware Co., Inc., New York, N. Y. Plate or like article. Des. 68,528; Oct. 20.
Fritz, Emil F. L., Michigan City, Ind. Game. 1,557,824; Oct. 20.
Fuller Brush Company, The. (See Cave, H., and Manning, assignors.)
Fulton Company, The. (See Giesler, Jean V., assignor.)
Fulton, Harry R., and J. J. Bowman, Washington, D. C., dedicated, by mesne assignments, to the people of the United States. Prevention of decay in fruits and vegetables. 1,557,757; Oct. 20.

**Fulton**, Harry R., and J. J. Bowman, Washington, D. C., dedicated, by mesne assignments, to the people of the United States. Prevention of decay of fruits and vegetables. 1,557,758; Oct. 20.

**Funk**, Henry A., St. Louis, Mo. Preventing wear in the crotch of trousers. 1,557,681; Oct. 20.

**Furber**, Frederick M., Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Patent leather repairing machine. 1,557,579; Oct. 20.

**Furber**, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for treating shoe materials. 1,557,825; Oct. 20.

**Futers**, Thomas C., and C. J. Forrester, Manchester, England. Tee for golf balls. 1,558,159; Oct. 20.

**Fyrac Manufacturing Company.** (See Whitselt, Cameron A., assignor.)

**Gaddy**, Vernie L. (See Krase, N. W., and Gaddy.)

**Galke**, Max, Eisenach, Germany. Crosswise-reenforced-concrete ribbed ceiling with hollow or light blocks. 1,557,759; Oct. 20.

**Galloway**, Robert M., Richmond, Ind., and P. C. Burton, Clarendon Hills, Ill., assignors to The National Automatic Tool Company, Richmond, Ind. Cycle-control mechanism. 1,557,928; Oct. 20.

**Gano**, Harlan S., Wilkinsburg, and M. C. Terry, Philadelphia, Pa., assignors to Westinghouse Electric and Manufacturing Company. Device for controlling the flow of fluids. 1,558,081; Oct. 20.

**Gardner**, Daniel, Weybridge, England. Manufacture of paints. 1,558,082; Oct. 20.

**Garrity**, Sarah A. (See Yowell, Henry V., assignor.)

**Gazelle**, Michelle S., Highland Park, Mich. Electric heater. 1,557,682; Oct. 20.

**Gearhart**, Clyde M., Washington, D. C. Gum-massage preparation. 1,558,160; Oct. 20.

**Geiger**, Henry F., Loveland, assignor of one-half to W. R. Rauck, Cincinnati, Ohio. Container. 1,557,826; Oct. 20.

**General Electric Company.** (See Anderson, Arvid E., assignor.)

**General Electric Company.** (See Fernberger, Harry M., assignor.)

**General Electric Company.** (See Langmuir, Irving, assignor.)

**General Fireproofing Company, The.** (See Fitch, Jason A., assignor.)

**General Motors Corporation.** (See Boom, Clifford A., assignor.)

**General Motors Research Corporation.** (See Earnshaw, William B., assignor.)

**General Railway Signal Company.** (See Leake, Richard C., assignor.)

**General Railway Signal Company.** (See Moore, Edmund W., assignor.)

**Gibby Foundry Company.** (See Decker, Edwin S., assignor.)

**Giesler**, Jean V., assignor to The Fulton Company, Knoxville, Tenn. Cooling system for internal-combustion engines. 1,558,009; Oct. 20.

**Giordani**, Francesco, and U. Pomilio, Naples, Italy. Circulation electrolyzer for alkaline chlorides. 1,558,085; Oct. 20.

**Gittens**, Grace, East Orange, N. J. Educational game. 1,558,083; Oct. 20.

**Glass**, Burton K., Altoona, Pa. Detonator. 1,558,260; Oct. 20.

**Glasser**, Maurice M., Charleston, S. C. Electric fan. 1,557,683; Oct. 20.

**Glidden**, Arthur R., Seattle, Wash. Cuff button. 1,558,084; Oct. 20.

**Goemann**, Anton, assignor of one-half to P. A. Bokel, Baltimore, Md. Fuse plug. 1,558,010; Oct. 20.

**Goldsborough**, John B., Croton-on-Hudson, N. Y. Underpinning. 1,558,430; Oct. 20.

**Goodrich, B. F., Company, The.** (See Schade, James W., assignor.)

**Gottschalk**, Albert, assignor to National Pneumatic Company, New York, N. Y. Pneumatic-motor mechanism. 1,557,684; Oct. 20.

**Gould**, John N., assignor, by mesne assignments, to The F. B. Zieg Mfg. Company, Fredericktown, Ohio. Wringer. 1,557,827; Oct. 20.

**Gould**, John N., assignor, by mesne assignments, to The F. B. Zieg Mfg. Company, Fredericktown, Ohio. Wringer. 1,557,828; Oct. 20.

**Gover**, Fountain P., Ephrata, Wash. Operating mechanism for pruners. 1,557,580; Oct. 20.

**Graaff**, Clemens, Berlin, Germany. Lid for fire extinguishers. 1,558,349; Oct. 20.

**Grady**, Frank W., Lomita, Calif. Pipe elevator. 1,558,261; Oct. 20.

**Graf**, Philip G., assignor to The Hoover Company, North Canton, Ohio. Mechanical demonstrating machine. 1,557,685; Oct. 20.

**Graff**, Martha C., Bayonne, N. J. Chair. Des. 68,529; Oct. 20.

**Gray**, Carlton R. (See Van Natan, V. V., and Gray.)

**Gray**, Granville H., assignor to Brock Glass Company, Santa Ana, Calif. Drawer handle. Des. 68,530; Oct. 20.

**Gray Tool Company et al.** (See Mueller, Robert A., assignor.)

**Green**, Guy M., Walla Walla, Wash. Divider for mowing machines. 1,557,929; Oct. 20.

**Green**, Lester C., Seattle, Wash. Binder. 1,558,350; Oct. 20.

**Greene**, Alonzo H., Fort Worth, Tex. Glazing machine. 1,557,760; Oct. 20.

**Greenfield**, Louis R. (See Citron, William J., assignor.)

**Greenwood**, Guyon F., Georgeville, assignor of one-half to R. B. Hutcheson, Montreal, Quebec, Canada. Reduction of ores. 1,558,262; Oct. 20.

**Gregg**, David. (See Berger, A. L., and Gregg.)

**Greiner**, Adolph, and C. J. Long, Detroit, Mich. Valve. 1,557,829; Oct. 20.

**Griffith**, Harry W., Ault, Colo. Tobacco pipe. 1,557,930; Oct. 20.

**Grommes**, Frank J., Aurora, Ill. Fountain pen. 1,558,263; Oct. 20.

**Grossmann**, Max, assignor to the Firm Schott & Gen, Jena, Germany. Electrolytic electricity meter. 1,557,931; Oct. 20.

**Guarantee Liquid Measure Company.** (See Townsend, William S., assignor.)

**Guasco**, Ricardo, Aguascalientes, Mexico. Electric writer. 1,558,351; Oct. 20.

**Guidotti**, Otto, Buffalo, N. Y. Automobile bumper. Des. 68,531; Oct. 20.

**Gunderson**, Herbert, Stanley, Wis. Waste and drain pipe cleaner. 1,558,161; Oct. 20.

**Guntherberg**, Hans et al. (See Scheib, Georg, assignor.)

**Gurley**, John W., Indianapolis, Ind. Sliver-handling device. 1,557,830; Oct. 20.

**Gustavsen**, Charles O., Canton, Ohio. Machine for rolling gears. 1,558,086; Oct. 20.

**Guthrie**, Abbie C. (See Guthrie, Robert L., assignor.)

**Guthrie**, Robert L., assignor to A. C. Guthrie, Los Angeles, Calif. Cultivator. 1,558,352; Oct. 20.

**Haas**, Edward. (See Ferguson, M. B., and Haas.)

**Hadley**, Cecil A., Inverness, Scotland. Electric resistance welding. 1,558,353; Oct. 20.

**Hagerup**, Otto, Maywood, Ill. Combination receiver and transmitter telephone set. 1,557,686; Oct. 20.

**Haggenmacher**, Hans E., New York, N. Y. Producing catalytic reactions. 1,557,687; Oct. 20.

**Hall**, Frank W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Revivifying fullers' earth. 1,558,162; Oct. 20.

**Hall**, Frank W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Revivifying fullers' earth. 1,558,163; Oct. 20.

**Hall**, Robert F., Schenectady, N. Y. Railway draft appliance. 1,557,932; Oct. 20.

**Halverson**, Orris H., Manitowoc, Wis. Check-book blotter. 1,558,354; Oct. 20.

**Hamel**, Louis H., Haverhill, Mass. Support for stretching and drying skins. 1,558,011; Oct. 20.

**Hamilton**, Julia, Minneapolis, Minn. Protective top for stoves. 1,557,831; Oct. 20.

**Hamm**, Adolf & Co. (See Mueller, Louis, assignor.)

**Hammond**, John H., jr., Gloucester, Mass. Position-revealing system. 1,557,832; Oct. 20.

**Haney**, Earl G., Chicago, Ill. Folding bench and table. 1,558,087; Oct. 20.

**Haney**, Edwin H., San Bernardino, Calif. Self-loading burglarproof truck. 1,558,164; Oct. 20.

**Hanley**, John W., New York, N. Y. Game apparatus. 1,558,088; Oct. 20.

**Hannebohn**, Curt W. A., assignor to A. Kellner, Berlin-Charlottenburg, Germany. Motor-carriage body. 1,557,688; Oct. 20.

**Harcharik**, James T. (See Morines, L. A., and Harcharik.)

**Harker**, Charles O., Grand Junction, Iowa. Animal trap. 1,557,933; Oct. 20.

**Harrigan**, Lon T., San Quentin, Calif., assignor, by mesne assignments, to Hydro Patents Company. Automatic brake-control mechanism for automobiles. 1,557,689; Oct. 20.

**Harrington**, William F., Toledo, Ohio. Combined latch and lock for doors. 1,557,581; Oct. 20.

**Harrington**, William F., Toledo, Ohio. Combined lock and latch for doors. 1,557,582; Oct. 20.

**Harris**, William G., assignor of one-third to A. J. Owen and one-third to H. G. Vassall, Bristol, England. Hand-propelled truck, trolley, and the like. 1,557,833; Oct. 20.

**Hart**, Charles W., Rexford, Mont. Lawn sprinkler. 1,558,355; Oct. 20.

**Hartman**, John P., San Francisco, Calif. Folding bed. 1,558,356; Oct. 20.

**Hassig**, George, Philadelphia, Pa. Toy. 1,557,834; Oct. 20.

**Haswell**, George H., New York, N. Y. Puzzle. 1,558,165; Oct. 20.

**Hatch**, Lewis. (See Behringer, E., and Hatch.)

**Hathaway**, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Yarn spool. 1,558,264; Oct. 20.

**Hayden**, Amos S., Holbrook, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-bottom-staining machine. 1,557,583; Oct. 20.

**Heimann**, Morris A., St. Louis, Mo. Garment hanger. 1,557,835; Oct. 20.

**Hein**, George N., San Francisco, Calif. Hypodermic syringe with ampule-receiving piston. 1,557,836; Oct. 20.

**Hein**, George N., San Francisco, Calif. Hypodermic syringe. 1,557,837; Oct. 20.





**Heinrich**, Albert S., Freeport, N. Y. Aeroplane. 1,558,089; Oct. 20.

**Heinz**, Julius, Sutton, Nebr. Railway weed cutter. 1,557,934; Oct. 20.

**Heitstuman**, Charles H., Uniontown, Wash. Drag. 1,557,584; Oct. 20.

**Hele-Shaw**, Henry S., London, England. Filter. 1,557,585; Oct. 20.

**Henderson**, Chester O., assignor to Henderson Tire & Rubber Co., Inc., Columbus, Ohio. Tire tread. Des. 68,532; Oct. 20.

**Henderson Tire & Rubber Company.** (See Henderson, Chester O., assignor.)

**Hendler**, Lionel M., Baltimore, Md. Vehicle body. Des. 68,533; Oct. 20.

**Henley**, De Witt, Houston, Tex. Flower box. 1,558,357; Oct. 20.

**Henroz**, Arthur, Brussels, Belgium. Apparatus for the manufacture of ceramic tiles. 1,557,935; Oct. 20.

**Henry**, Oliver C., Pocatello, Idaho. Cabinet bed. 1,558,012; Oct. 20.

**Hensley**, Charles G., Brooklyn, N. Y. Reproducer for phonographs. 1,558,013; Oct. 20.

**Hercules Novelty Co.** (See Wendel, Frans B., assignor.)

**Herr**, Henry A., Chicago, Ill. Workholder for shaving or dressing machines. 1,558,166; Oct. 20.

**Herrick**, Gerardus P., New York, N. Y. Machine for grooving glass. 1,558,167; Oct. 20.

**Heyer**, Donald. (See Sutton, M. L., and Heyer.)

**Hickman**, Kenneth C. D., London, England. Siphon apparatus. 1,558,358; Oct. 20.

**Hill**, Charles W., Powell, Wyo. Wrench. 1,557,690; Oct. 20.

**Hill**, William C., Bellefonte, assignor of one-half to J. W. Eisenstadt, Pittsburgh, Pa. Robbery-preventive device. 1,557,691; Oct. 20.

**Hiller**, Nicolai H., Carbondale, Pa. Water distributer for condensers. 1,557,838; Oct. 20.

**Hiltz**, George S., Brooklyn, assignor to Stock Quotation Telegraph Company, New York, N. Y. Type-wheel-setting mechanism for printing-telegraph receivers. 1,557,692; Oct. 20.

**Hindrelet**, Jules, Brooklyn, N. Y. Toilet article. 1,557,693; Oct. 20.

**Hino**, Jingoro, and K. Shindo, Chicago, Ill. Card game. 1,557,694; Oct. 20.

**Hodgson**, Carl W., Chicago, Ill. Mixing machine. 1,557,839; Oct. 20.

**Hodgson**, Harriette E., New York, N. Y. Railway signal. 1,557,586; Oct. 20.

**Hodgson**, Harriette E., New York, N. Y. Car. 1,557,587; Oct. 20.

**Hodshon**, Ernest E., Nutley, N. J. Apparatus for banding hats. 1,558,168; Oct. 20.

**Hoe, R., and Co.** (See Zuckerman, Adolph M., assignor.)

**Holden**, Charles Le R., Kings Mills, assignor to The Peters Cartridge Company, Cincinnati, Ohio. Shot cartridge. 1,557,695; Oct. 20.

**Holden**, Charles Le R., Kings Mills, assignor to The Peters Cartridge Company, Cincinnati, Ohio. Loaded shot cartridge. 1,557,696; Oct. 20.

**Hollensbe**, Ira J., and E. F. Shelley, Greensburg, Ind. Holder for broom heads. 1,557,840; Oct. 20.

**Holmes**, Grant, Danville, Ill., assignor to The Marion Steam Shovel Company, Marion, Ohio. Boom. 1,557,697; Oct. 20.

**Holmes**, Harleigh R., Littleton, Colo. Tractor hitch. 1,557,841; Oct. 20.

**Holmes**, Thomas J. (See Thompson, Clifford J., assignor.)

**Holtman**, Charles, Pittsburgh, Pa. Ferrule-valve opener. 1,557,588; Oct. 20.

**Holub-Dusha Co.** (See Dusha, P. F., and Feyk, assignors.)

**Honig**, Joseph, New York, N. Y. Watch-protecting device. 1,558,359; Oct. 20.

**Hoobler**, Diecy. (See Fisher, H., and Hoobler.)

**Hood Rubber Company.** (See Mattson, John B., assignor.)

**Hoover Company, The.** (See Graf, Philip G., assignor.)

**Horan**, George P., Rutland, Vt. Train control. 1,558,360; Oct. 20.

**Hornbeck**, Henry S., Riverhead, N. Y., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa. Sheet adjuster for printing presses. Re16,188; Oct. 20.

**Horner**, James H., London, England. Machine for printing words and figures on checks, dividend warrants, and the like. 1,558,361; Oct. 20.

**Hotchkiss**, Clifford. (See Phelan, L. A. M., and Hotchkiss.)

**Houston**, Marvin M., Mercer, Mo. Turn signal for automobile machines. 1,557,842; Oct. 20.

**Howard**, Austin A., Chicago, Ill. Electrical transformer. 1,558,090; Oct. 20.

**Hoyle**, Henry P., Durham, England. Screening apparatus. 1,557,843; Oct. 20.

**Hübert**, Emil. (See Leucha, O., and Hübert.)

**Hughes Tool Company.** (See Scott, Floyd L., assignor.)

**Hull**, John C., Gasport, N. Y. Dust-insecticide-applying machine. 1,558,362; Oct. 20.

**Hull**, Samuel P., New York, N. Y. Railway signal. 1,557,698; Oct. 20.

**Hull**, Samuel P., New York, N. Y. Adjustable lamp bracket. 1,557,699; Oct. 20.

**Hume**, George C., Chilton, Wis. Bag holder. 1,558,169; Oct. 20.

**Hunter**, Smith H., Buntyn, Tenn. Reversing gear for locomotive engines. 1,558,363; Oct. 20.

**Hurd**, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,558,170; Oct. 20.

**Hutcheson**, Robert B. (See Greenwood, Guyon F., assignor.)

**Hutchins Car Roofing Company.** (See Whyte, Frederick M., assignor.)

**Hydro Patents Company.** (See Harrigan, Lon T., assignor.)

**Ihlenfeldt**, Richard, et al. (See Scheib, Georg, assignor.)

**Ile**, William, Jackson, Mich. Push-through switch. Des. 68,534; Oct. 20.

**Immerheiser**, Carl, Ludwigshafen-on-the-Rhine, and H. Wolff, Mannheim, Germany, assignors, by mesne assignments, to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany. Tanning composition. 1,557,844; Oct. 20.

**Industrial Research Corporation.** (See Brockway, Carl P., assignor.)

**Industrial Research Corporation.** (See Davies, Henry R., assignor.)

**Infelise**, Frank, Lynn, Mass. Bootblack stand. 1,558,171; Oct. 20.

**Ingersoll-Rand Company.** (See Bayles, L. C., and Slater, assignors.)

**Ingersoll-Rand Company.** (See Smickle, Raymond H., assignor.)

**Iverson**, Elmer J., Petersburg, Territory of Alaska. Washer. 1,558,361; Oct. 20.

**J. P. Bembery A. G.** (See Kempf, Hubert, assignor.)

**Jacometti**, Theodor J. A., assignor to Nederlandsch-Indische Spiritus Maatschappij, Amsterdam, Netherlands. Rendering roads dust free. 1,558,172; Oct. 20.

**Jaderlund**, Carl A., Kansas City, Kans. Paper-roll holder. 1,557,700; Oct. 20.

**Jaenicke**, William H., assignor to Mailler Searles, Incorporated, San Francisco, Calif. Conveying and packing table. 1,558,014; Oct. 20.

**Jatow**, Paul, Dodendorf, near Magdeburg, assignor to Schaffer & Budenberg, G. m. b. H., Buckau, near Magdeburg, Germany. Membrane for manometers. 1,558,173; Oct. 20.

**Jeanries**, Demare, Mamou, La. Auxiliary air valve for carburetors. 1,558,174; Oct. 20.

**Jenkins**, Halbert A., Hawera, New Zealand. Jointing means. 1,557,589; Oct. 20.

**Jensen**, Carl C., Chicago, Ill. Mold. 1,558,365; Oct. 20.

**Jensen**, Oluf F., Council Bluffs, Iowa. Railway highway crossing. 1,557,590; Oct. 20.

**Jergens**, Andrew, Company, The. (See Perkins, Frederick O., assignor.)

**Jockmus**, Charles H., Ansonia, Conn. Strut rod. 1,557,591; Oct. 20.

**Jodoin**, Edward A., Springfield, Mass. Shirt. 1,557,701; Oct. 20.

**Johns-Manville, Inc.** (See Baldwin, Leslie A., assignor.)

**Johnson**, Charles E., Muskegon, assignor to The Piston Ring Company, Muskegon Heights, Mich. Piston ring. 1,558,091; Oct. 20.

**Johnson**, Charles E., Muskegon, assignor to The Piston Ring Company, Muskegon Heights, Mich. Piston ring. 1,558,092; Oct. 20.

**Johnson**, Lee R., Brenham, Tex. Protecting device. 1,558,366; Oct. 20.

**Johnsonbeck**, Louis. (See Magee, James F., assignor.)

**Johnston**, Robert K., Dunedin, New Zealand. Aperture sight. 1,558,367; Oct. 20.

**Johnston**, Thomas J., White Plains, N. Y. Fastener-inserting device. 1,557,845; Oct. 20.

**Johnston**, Wayburn E., Minneapolis, Minn. Automatic shut-off valve. 1,558,093; Oct. 20.

**Jones**, Frederick W., jr., Croydon, assignor to Columbia Graphophone Company, Limited, London, England. Manufacture of gramophone disk records. 1,558,175; Oct. 20.

**Jones**, Gean, Sylvester Township, Green County, Wis. Sack holder. 1,558,368; Oct. 20.

**Jones**, Jason, Dover, Okla. Can opener. 1,558,176; Oct. 20.

**Jones**, John T., Stanford, Ky. Trap. 1,558,015; Oct. 20.

**Jones**, Marie C., Los Angeles, Calif. Toy. 1,557,592; Oct. 20.

**Jones**, Samuel L., Longton, Kans. Cutter. 1,558,369; Oct. 20.

**Joseph**, Harry F., assignor of one-half to A. G. Bush, Davenport, Iowa. Piston for internal-combustion engines. 1,558,443; Oct. 20.

**Joseph**, Harry F., assignor of one-half to A. G. Bush, Davenport, Iowa. Automatic adjuster for wrist-pin bearings for automobile and gas engines. 1,558,444; Oct. 20.

**Josephs**, Gustavus. (See Josephs, J., and Berlizheimer, assignors.)

**Josephs**, Jean, and D. T. Berlizheimer, assignors of one-third to G. Josephs, Philadelphia, Pa. Automatic winding machine. 1,558,177; Oct. 20.

**Jouanneaux**, Pierre, Paris, France. Compressor for fluids. 1,557,936; Oct. 20.

**Jung**, Joseph A., Springfield, Ohio. Float-ball regulator. 1,558,178; Oct. 20.

Kales Stamping Company. (See Whitehead, James F., assignor.)
Kalish, Harry L., Brooklyn, N. Y. Sample-display card. 1,557,593; Oct. 20.
Kalisher, Isaac E., assignor to Kalisher Mfg. Co., New York, N. Y. Jewelry. 1,558,094; Oct. 20.
Kalisher Mfg. Co., The. (See Kalisher, Isaac E., assignor.)
Kallensee, Charles G., Dayton, Ohio. Precision gauge, flexible type. 1,557,846; Oct. 20.
Kaminski, Paul, Berlin-Pankow, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Gun-laying apparatus. 1,557,702; Oct. 20.
Katz, Alexander, Brooklyn, N. Y. Window box. 1,557,594; Oct. 20.
Katz, Frank M., assignor to Frank M. Katz & Co., Inc., New York, N. Y. Lamp base. Des. 68,535; Oct. 20.
Katz, Frank M., & Co. (See Katz, Frank M., assignor.)
Kaylor, Edward B., Detroit, Mich. Control mechanism for headlights. 1,557,937; Oct. 20.
Keefer, Charles R., Baltimore, Md. Winding and twisting machine. 1,558,179; Oct. 20.
Kelleher, Thomas J., Chicago, Ill. Bending brake. 1,558,180; Oct. 20.
Kelley, Clarence J., Kalispell, Mont. Collar button. 1,558,370; Oct. 20.
Kellner, Alexis. (See Hannehohn, Curt W. A., assignor.)
Kellogg Switchboard & Supply Company. (See Dyson, Alfred H., assignor.)
Kellogg Switchboard and Supply Company. (See Yanochowski, George A., assignor.)
Kempf, Hubert, Barmen, assignor to the Firm J. P. Bemberg A. G., Barmen-Rittershausen, Germany. Device for the cleaning of spinning apparatus for the manufacture of artificial filaments. 1,558,371; Oct. 20.
Kennedy, Bert, Gloversville, N. Y. Striking bag. 1,557,938; Oct. 20.
Kenney, Frank A., Denver, Colo. Artificial arm. 1,557,703; Oct. 20.
Kenney, Mary A. (See Westcott, Pliny K., assignor.)
Kent, Otis B., Washington, D. C., and R. L. Miller; said Miller assignor to Otis Automatic Train Control, Inc., Spokane Wash. Track mechanism for automatic train-control systems. 1,557,704; Oct. 20.
Kepler, Laurence A. (See Barre, E. A., and Kepler.)
Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Clamping buckle. 1,557,761; Oct. 20.
Kerr, Andrew, Tefft, Ind. Animal trap. 1,557,847; Oct. 20.
Kidder, William E., Kalamazoo, Mich. Chair. 1,558,181; Oct. 20.
Kiefer, Karl, Cincinnati, Ohio. Conveying device. 1,558,016; Oct. 20.
Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,558,182; Oct. 20.
Killman, Thomas A., Nashville, Tenn. Can opener. 1,558,372; Oct. 20.
Kimball, Lola K. (See Lyons, Clarence W., assignor.)
King Feature Syndicate, Inc. (See Wynne, Arthur, assignor.)
King, Leo, and O. Croissetiere, Sault Ste. Marie, Mich Dirigible headlight. 1,557,939; Oct. 20.
Kintz, Herbert, Sharpsburg, assignor of forty-nine per cent to E. C. Mosti, Bridgeville, Pa. Recoil-absorbing spring suspension. 1,558,017; Oct. 20.
Kirner, Josef, Stuttgart, Germany, assignor to the Firm: Aktiebolaget Svenska Kullagerfabriken Gottenborg, Sweden. Bearing. 1,557,848; Oct. 20.
Kirsch Manufacturing Company. (See Allen, Archie A., assignor.)
Kiwull, Woldemar, Berlin-Halensee, and W. Koeniger, Berlin, Germany. Raising and salvaging ships and other sunken objects. 1,557,595; Oct. 20.
Klenken, Frank. (See Distel, J. F., and Klenken.)
Klingbeil, Paul C., Remsen, Iowa. Vehicle signal. 1,558,183; Oct. 20.
Kluender, John H., Kenosha, Wis. Interlocked joint. 1,558,184; Oct. 20.
Knox, Garner L., Los Angeles, Calif., assignor to Utility Trailer Manufacturing Company. Trailer brake. 1,557,705; Oct. 20.
Knox, George F., Milwaukee, Wis. Compressor. 1,557,706; Oct. 20.
Knyscheerer Corporation of America, The. (See Austin, Sydney B., assignor.)
Koch, Max, et al. (See Scheib, Georg, assignor.)
Koeniger, Walther. (See Kiwull, W., and Koeniger.)
Krase, Norman W., Clarendon, Va., and V. L. Gaddy, Dillon, S. C., assignors to R. C. Tolman, trustee. Manufacture of urea from ammonium carbamate. 1,558,185; Oct. 20.
Kratz, Franz, and M. Schäfer, assignors to the Firm: Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Dynamo-electric machine. 1,558,095; Oct. 20.
Kuhlke Machine Company. (See Kuhlke, Otto J., assignor.)
Kuhlke, Otto J., assignor to The Kuhlke Machine Company, Akron, Ohio. Vulcanizer. 1,558,096; Oct. 20.
Kupper, Herman C. (See Parker, Edward O., assignor.)
Kyle, William D., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse box and making same. 1,557,707; Oct. 20.
Ladd, George T. (See Crane, Joseph B., assignor.)
Laddon, Isaac M., and F. E. Flader, Dayton, Ohio. Hydraulic shock absorber. 1,557,849; Oct. 20.
La France, Richard, assignor to The Owens Bottle Company, Toledo, Ohio. Blank-centering device for glass-forming machines. 1,557,850; Oct. 20.
Lake, Bertus A., Big Prairie, Ohio. Self-heating sad-iron. 1,558,097; Oct. 20.
Lake, Vincent F., Demarest, N. J., assignor to Slate Veneer Company, Incorporated, New York, N. Y. Composite shingle. 1,558,186; Oct. 20.
Lamb, Willis E., Oakland, and R. W. Mason, Berkeley, Calif., assignors to American Telephone and Telegraph Company. Machine-switching (telephone-exchange system. 1,557,596; Oct. 20.
Lambert, David, Cleveland, Ohio. Knife sharpener. 1,558,187; Oct. 20.
Lambert, Henry M., Portland, Oreg., assignor to Lambert Tire & Rubber Co., Akron, Ohio. Apparatus for making cushion tires. 1,558,018; Oct. 20.
Lambert, Henry M., Portland, Oreg., assignor to Lambert Tire & Rubber Co., Akron, Ohio. Manufacturing cushion tires. 1,558,019; Oct. 20.
Lambert Tire & Rubber Co. (See Lambert, Henry M., assignor.)
Lambert Tire & Rubber Co. (See Lenhoff, William, assignor.)
Lams, Isidore O. E., Tubize, Belgium, assignor to Fabrique de Soie Artificielle de Tubize, Société Aronyme, Brussels, Belgium. Manufacturing artificial silk threads from viscose. 1,558,265; Oct. 20.
Lamson Company, The. (See Peebles, Frank B., assignor.)
Langer, Harry, Milwaukee, Wis. Adjustment for carburetor chokes. 1,558,098; Oct. 20.
Langevin, Felix D., and R. S. Curley, Lowell, assignors to Saco-Lowell Shops, Boston, Mass. Evener mechanism. 1,558,188; Oct. 20.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Electrical discharge apparatus and preparing and using the same. 1,558,436; Oct. 20.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Electrical discharge apparatus. 1,558,437; Oct. 20.
Langston, Samuel M. (See Folsom, Otis H., assignor.)
La Plant, Peter J., Duluth, Minn. Swing. 1,557,940; Oct. 20.
Larson, Eric V., and H. Lindeberg, assignors to Eskilstuna Separator Aktiebolag, Eskilstuna, Sweden. Separator bowl. 1,557,851; Oct. 20.
Larson, Hokan L., Chilliwack, British Columbia, Canada. Dredge. 1,557,708; Oct. 20.
Larson, William C., and C. P. Wegner, Two Harbors, Minn. Radio and phonographic amplifying resonator. 1,558,189; Oct. 20.
Lauer, Paul O., Easton, Pa. Calendar. 1,558,020; Oct. 20.
Lauerman, Clarence H., Galesburg, Ill. Galvanized-iron ventilator. 1,557,852; Oct. 20.
Leake, Richard C., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Fixture for rebasing lamps. 1,558,373; Oct. 20.
Lebrun, Joseph B., Berlin, N. H. Doorlock. 1,558,099; Oct. 20.
Leisse, Arthur M., St. Louis, Mo. Fender. 1,557,709; Oct. 20.
Lengel Company. (See Lengel, Irvin D., assignor.)
Lengel, Irvin D., Reading, Pa., assignor to Lengel Company, Wilmington, Del. Air-brake mechanism. 1,558,374; Oct. 20.
Lenhoff, William, San Francisco, Calif., assignor to Lambert Tire & Rubber Co., Barberton, Ohio. Tire. Des. 68,536; Oct. 20.
Lennon, William, Manitou, Colo. Internal-combustion engine. 1,557,710; Oct. 20.
Leon, Lewicki J., Chicago, Ill. Birdcage stand. Des. 68,537; Oct. 20.
Leonard, Frank P., assignor of one-half to F. C. Claessens, Troy, N. Y. Nail. 1,557,711; Oct. 20.
Lessler, Lew W., Johnson City, assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Camera. 1,558,100; Oct. 20.
Leuchs, Otto, and E. Hübert, Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Spinning of artificial silk. 1,558,375; Oct. 20.
Levegue, Anthime J. (See Pool, N. D., and Levegue.)
Lewis, Leon R., and J. J. Colvin, Hudson Falls, N. Y. Card-index file. 1,558,376; Oct. 20.
Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic controlling apparatus. 1,558,190; Oct. 20.
Libby, Albion D. T., East Orange, and S. C. McKeown, assignors to Splitdorf Electrical Company, Newark, N. J. Ignition-circuit breaker. 1,558,029; Oct. 20.
Liberty National Bank, trustee. (See Yanchenko, Basil J., assignor.)
Libi, John J., San Francisco, Calif. Safety razor. 1,558,021; Oct. 20.
Lieb, Gustav, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Automatic circuit-breaking device. 1,558,101; Oct. 20.
Lindeberg, Hugo. (See Larson, E. V., and Lindeberg.)
Lindemann, A. J., & Hoverson Company. (See Rutenber, Edwin A., assignor.)





Lindemann, Bruno, Hamburg, Germany. Earpiece. 1,558,191; Oct. 20.
Lindgren, Alexander, assignor of one-half to H. E. Slayton, Manchester, N. H. Boot or shoe. 1,558,192; Oct. 20.
Line Material Company. (See Kyle, William D., assignor.)
Lipscomb, Abraham B., Wheeling, assignor of one-half to W. C. Lipscomb, St. George W. Va. Tool handle. 1,557,853; Oct. 20.
Lipscomb, W. C. (See Lipscomb, Abraham B., assignor.)
Lissauer, Adolph W., assignor to Louisville Drying Machinery Co. Inc., Louisville, Ky. Method of evaporation. 1,558,022; Oct. 20.
Little, Wilber R., Iowa Falls, Iowa. Flowerpot. 1,557,712; Oct. 20.
Littlehales, George W., Washington, D. C. Finding geographical position in navigation. 1,557,854; Oct. 20.
Liversedge, John W., Halton near Leeds, England. Machine for placing metal reenforcement. 1,558,023; Oct. 20.
Livingston, William C., Newton, Kans. Long-horn-cheese cutter. 1,558,377; Oct. 20.
Ljungström, Fredrik, Brevik, Lidingon, assignor to Aktiebolaget Ljungstroms Ångturbin, Stockholm, Sweden. Soot-blowing apparatus for regenerative heating device. 1,558,445; Oct. 20.
Logan, Gust, Elmore, Ohio. Bridge for billiard cues. 1,558,024; Oct. 20.
Logan, Samuel T., Denver, Colo. Combined wheel holder, lock, and wrench. 1,557,713; Oct. 20.
Long, Cornelius J. (See Greiner, A., and Long.)
Loose Wiles Biscuit Company. (See Simpson, David G., assignor.)
Lorenz, C., Aktiengesellschaft. (See Scheppmann, Wilhelm, assignor.)
Lorenzi, Luigi. (See Eliggi, R., and Lorenzi.)
Loudy, Flavius E., Mobile, Ala. All-metal-airplane structure. 1,557,855; Oct. 20.
Loughridge, Matthew H., Bogota, N. J., assignor to Cox Corporation, Wilkes-Barre, Pa. Automobile bumper. 1,557,714; Oct. 20.
Louis, Terrence G. (See Brown, P., and Louis.)
Louisville Drying Machinery Co. (See Lissauer, Adolph W., assignor.)
Lubé, Henry, College Point, N. Y., assignor to Radio Motion Picture Phon. Corp., Long Island City, N. Y. Motion-picture machine. 1,557,597; Oct. 20.
Lucking, Charles H., Detroit, Mich. Safety door. 1,558,193; Oct. 20.
Ludwick, Herbert V., assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa. Tire-valve attachment for dual tires. 1,558,025; Oct. 20.
Luebben, Melchior L., assignor to Luebben Products Company, St. Louis, Mo. Sharpening machine. 1,558,194; Oct. 20.
Luebben Products Company. (See Luebben, Melchior L., assignor.)
Luebbing, Oscar H., assignor to The Campbell-Hausfeld Company, Harrison, Ohio. Seed planter. 1,557,856; Oct. 20.
Luly, Robert C., Alton, Ill., and R. I. Roby, St. Louis, Mo. Display holder for bottled goods. 1,557,598; Oct. 20.
Lynch, Elizabeth, Minneapolis, Minn. Fly-exit device. 1,558,102; Oct. 20.
Lyons, Clarence W., assignor of one-half to L. K. Kimball, Los Angeles, Calif. Milk-bottle receptacle. 1,558,026; Oct. 20.
Lyons Manufacturing Company, The. (See Carroll, Willard R., assignor.)
Macdonald, Murdock, Cleveland, Ohio. Autographic register. 1,558,107; Oct. 20.
MacKinga, Harry E., Los Angeles, Calif. Square attachment for saws. 1,558,380; Oct. 20.
MacLeod, George S., Seattle, Wash. Antibaldness cap. 1,557,762; Oct. 20.
Maddocks, Arthur, Denver, Colo. Lock for manhole covers. 1,557,599; Oct. 20.
Mademann, Paul, New York, N. Y. Ice-cream freezer. 1,557,600; Oct. 20.
Magee, James F., assignor of one-half to L. Johnsonbeck, Syracuse, N. Y. Stropping device for safety-razor blades. 1,557,601; Oct. 20.
Magnavox Company, The. (See Metcalf, Herbert E., assignor.)
Magnuson, Ernest, and M. G. Smith, Freeport, Ill. Receptacle for milk and butter. 1,558,196; Oct. 20.
Maier, Dwight C., Bryan, Ohio. Hinge clamp for attaching interchangeable feed chutes to ammunition boxes. 1,557,858; Oct. 20.
Malleville, Jean P. M., Paris, France. Clamping band. 1,557,718; Oct. 20.
Malmgren, Rudolph. (See Brown, L. H., and Malmgren.)
Manning, Chauncey P. (See Cave, H., and Manning.)
Mansfield, Warren M., Moline, Ill., assignor, by mesne assignments, to Moline Implement Company. Automotive vehicle. 1,557,859; Oct. 20.
Mansuy, William G., Detroit, Mich. Food cutter. 1,558,197; Oct. 20.
Maranville, Harvey F., assignor to The Miller Rubber Company, Akron, Ohio. Core. 1,558,381; Oct. 20.
Marion Steam Shovel Company, The. (See Holmes, Grant, assignor.)
Marlin Firearms Corporation, The. (See Swebilius, Carl G., assignor.)
Marquardt, Frank C., assignor to American Bank Note Company, Brooklyn, N. Y. Inking mechanism for printing machines. 1,558,108; Oct. 20.
Martin, Michael, Ballarat, Victoria, Australia. Molding apparatus for the manufacture of tubular earthenware or stoneware articles. 1,558,030; Oct. 20.
Marx, Alfred, Paris, France. Electrocentrifugal separator. 1,558,382; Oct. 20.
Masbruch, Henry, Platteville, Wis. Attachment for pumps. 1,558,031; Oct. 20.
Maschinefabrik Rüti, formerly Casper Honegger of Rüti. (See Schoch, Edwin, assignor.)
Mascuch, Joseph J., East Orange, N. J. Automobile bumper. 1,557,719; Oct. 20.
Mason, Grover C., Jacksonville, Ill. Window-sash lock. 1,557,941; Oct. 20.
Mason, Ralph W. (See Lamb, W. E., and Mason.)
Massolle, Joseph. (See Engl J., Massolle, and Vogt.)
Massolle, Joseph, Grunewald, H. Vogt, Berlin-Schoneberg, and J. Engl, Grunewold, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Arrangement for acoustic cinematography. 1,558,032; Oct. 20.
Mast, Louis L., West Milton, Ohio. Coupling for sectional rods. 1,558,268; Oct. 20.
Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric circuits. 1,557,860; Oct. 20.
Mathes, Walter M., Chester, Pa., assignor to Congoleum Company, Inc., New York, N. Y. Machine for folding and attaching ribbons to the edges of floor coverings. 1,558,383; Oct. 20.
Mathews, Fred. (See Strid, Sven J., assignor.)
Matthews, Lee C., San Quentin, Calif. Amusement device. 1,557,942; Oct. 20.
Mattson, John R., Boston, assignor to Hood Rubber Company, Watertown, Mass. Battery box. 1,558,384; Oct. 20.
Mayer, Max. (See Wohl, M. J., and Meyer.)
Maynard, Harlan J., Newton, assignor to Specialty Sales Corporation, Boston, Mass. Safety razor. 1,558,033; Oct. 20.
Maynes Corporation. (See Whiteley, James, assignor.)
Maze, Augustus E., East Orange, assignor to Ellis-Foster Company, Montclair, N. J. Treating wood-tar oil. 1,558,446; Oct. 20.
McAllister, Elvy G. (See McFarlin, J. R., and McAllister.)
McAuley, George C., Detroit, Mich. Shoe attachment. 1,558,378; Oct. 20.
McBrady, John A., St. Paul, Minn. Automobile bed attachment. 1,558,027; Oct. 20.
McCain, Paul H., assignor to Economy Screw Corporation, Chicago, Ill. Nut-tapping machine. 1,557,715; Oct. 20.
McCartney, Lorenzo. (See Whidden, W. L., and McCartney.)
McCaulon, Harvey E. (See Passamaneck, C. S., and McCaulou.)
McClelland, Walter J., East Orange, N. J. Stocking. 1,558,103; Oct. 20.
McCormick, Harold V., assignor to The Warner Elevator Manufacturing Company, Cincinnati, Ohio. Safety locking apparatus for elevators. 1,557,857; Oct. 20.
McCormick, John J., jr. (See Budroe, F. J., and McCormick.)
McCoy, Elijah, assignor to E. C. Nagel, Detroit, Mich. Lubricator. 1,558,266; Oct. 20.
McCue, H. J., Company, The. (See McCue, Harry J., assignor.)
McCue, Harry J., assignor to The H. J. McCue Company, Cleveland, Ohio. Drink-dispensing stand. 1,558,028; Oct. 20.
McDowell, Joseph C., Manchester, N. H. Treating textile fibers and in the product resulting therefrom. 1,558,104; Oct. 20.
McEnaney, Frank H., Brooklyn, N. Y. Dentifrice receptacle. 1,558,195; Oct. 20.
McFarlin, John R., Philadelphia, Pa., and E. G. McAllister, Audubon, N. J., assignors to Electric Service Supplies Company, Philadelphia, Pa. Electric headlight dimming and compensating means. 1,557,716; Oct. 20.
McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Cableway-skidding machine. 1,558,105; Oct. 20.
McGowan, Michael J., assignor to Dermatological Laboratories, Incorporated, Chicago, Ill. Hair-curling device. 1,558,106; Oct. 20.
McGregor, Robert, Ilford, assignor of one-third to The Stirling Boiler Company, Limited, and two-thirds to Babcock & Wilcox Limited, London, England. Water-tube boiler or the like. 1,558,379; Oct. 20.
McGuckin, John J., Brooklyn, assignor to L. Schwab, doing business as Stevens & Company, New York, N. Y. Socket wrench. 1,558,267; Oct. 20.
McKeown, Samuel C. (See Libby, A. D. T., and McKeown.)
McNerney, Harry P. (See Christensen, J. E., and McNerney.)
McWilliams, Rowland, New York, N. Y. Concrete structures. 1,557,717; Oco. 20.

Mead, Harold G., assignor to Car Dumper & Equipment Co., Chicago, Ill. Receiving and loading hopper. 1,558,109; Oct. 20.
Mellin, Carl J., deceased, Schenectady, N. Y.; The Schenectady Trust Company, executor. Locomotive driving box. 1,558,034; Oct. 20.
Menchen, Joseph, Summit, N. J., assignor to M. Menchen, New York, N. Y. Automobile lock. 1,558,110; Oct. 20.
Menchen, Madge. (See Menchen, Joseph, assignor.)
Metcalf, Herbert E., San Leandro, assignor to The Magnavox Company, San Francisco, Calif. Vacuum tube. 1,558,111; Oct. 20.
Metz, Anthony J., Davenport, Iowa. Internal-combustion engine. 1,557,763; Oct. 20.
Meunier, Charles, Great Neck, N. Y. Gutter mount. 1,558,385; Oct. 20.
Michelsen, Carl, Rostock, Germany. Apparatus for bookkeeping. 1,558,198; Oct. 20.
Millay, Fred W., Co. (See Millay, Frederick W., assignor.)
Millay, Frederick W., assignor to Fred W. Millay Co., Inc., Haverhill, Mass. Hinged last. 1,558,269; Oct. 20.
Miller, Andrew J., Massillon, Ohio. Piston with adjustable ring. 1,558,112; Oct. 20.
Miller, Robert L. (See Kent, O. B., and Miller.)
Miller Rubber Company, The. (See Brundage, James W., assignor.)
Miller Rubber Company, The. (See Maranville, Harvey F., assignor.)
Miller Saw-Trimmer Company. (See Hornbeck, Henry S., assignor.)
Millring, Edwin R., Orange, N. J., assignor to American Machine & Foundry Company. Metal-coating apparatus. 1,558,035; Oct. 20.
Mills, Bertie E., Detroit, Mich., assignor to Mills Novelty Company, Chicago, Ill. Remote control of the playing of stringed instruments. 1,558,113; Oct. 20.
Mills Novelty Company. (See Mills, Bertie E., assignor.)
Moffitt, Robert E., Cincinnati, Ohio. Tool. 1,558,036; Oct. 20.
Moineau, Hector E., Marlboro, Mass. Soap dish or similar article. Des. 68,538; Oct. 20.
Moline Implement Company. (See Mansfield, Warren M., assignor.)
Monnot, John F., Mill Hill, England. Electric storage battery. 1,557,602; Oct. 20.
Monteith, John C. (See Beaumont, G. H., and Monteith.)
Montgomery, James, New York, assignor to Wallace & Co., Brooklyn, N. Y. Box. Des. 68,539; Oct. 20.
Moore, Albert W. (See Eckman, G., and Moore.)
Moore, Edmund W., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Mounting for incandescent lamps of railway light signals. 1,558,386; Oct. 20.
Moreida, Robert O., Fresno, Calif. Milk-can holder and milk dispenser. 1,557,861; Oct. 20.
Morgan, Morgan T., Anaconda, Mont. Incubator. 1,558,199; Oct. 20.
Morgan, William F., Chicago, Ill. Wheel with demountable rim. 1,557,862; Oct. 20.
Moriness, Louis A., and J. T. Harcharik, Wilkes-Barre, Pa. Vehicle spring gear. 1,558,387; Oct. 20.
Moines, Louis A., and J. T. Harcharik, Wilkes-Barre, Pa. Vehicle spring gear. 1,558,388; Oct. 20.
Morrett, Clarence L., assignor to Philadelphia Hardware and Malleable Iron Works, Inc., Philadelphia, Pa. Safety hook. 1,557,603; Oct. 20.
Morrison, John A., Mansfield, Ohio. Telescoping handle for lifting jacks. 1,558,114; Oct. 20.
Morrison, Walter F., Los Angeles, Calif. Reflector for light projectors. 1,558,270; Oct. 20.
Morse, Howard W. (See Painter, Fred S., assignor.)
Morton, Harry D., New York, N. Y. Surgical needle and suture assembly and making the same. 1,558,037; Oct. 20.
Mosti, Eugene C. (See Kintz, Herbert, assignor.)
Mount, Joseph E. (See Mount, William D., assignor.)
Mount, William D., Lynchburg, Va., assignor of one-half to J. E. Mount, Ithaca, N. Y. Filter. 1,558,038; Oct. 20.
Mryosh, Blaggoya, Erie, Colo. Automatic cut-off valve. 1,557,863; Oct. 20.
Mudd, Frank X. (See Bentley, Roy, assignor.)
Mueller, Louis, Berlin-Baumschulenweg, assignor to Adolf Hamm & Co., Dusseldorf, Germany. Whirling device for plates with light-sensitive layers. 1,558,389; Oct. 20.
Mueller, Robert A., Houston, assignor of one-half to E. J. Drake, Harris County, and one-half to Gray Tool Company, Houston, Tex. Plunger. 1,557,720; Oct. 20.
Mull, Raymond A., Benton Harbor, Mich. Wrench. 1,557,864; Oct. 20.
Murphy, Albert E., Chicago, Ill. Aquatic doll. 1,558,200; Oct. 20.
Musto, Alfred E., Vancouver, British Columbia, Canada. Tire and wheel protector. 1,557,943; Oct. 20.
Nagel, Edwin C. (See McCoy, Elijah, assignor.)
Napoleon, Dominick. (See O'Bannon, D., and Napoleon.)
Napoleon, Joseph. (See O'Bannon, D., and Napoleon.)
National Assorting Company. (See Bunn, Alexander M., assignor.)
National Automatic Tool Company, The. (See Galloway, R. M., and Burton, assignors.)
National Blank Book Company. (See Schade, John, assignor.)
National Brick Co. (See Weber, Clarence J., assignor.)
National Carbon Company. (See Voorhees, Lee J., assignor.)
National Chemical Company. (See Bradburn, Joseph A., assignor.)
National Equipment Company. (See Bausman, Alonzo L., assignor.)
National Pneumatic Company. (See Gottschalk, Albert, assignor.)
National Safety Devices Company. (See Woodring, Alberto I., assignor.)
National Silver Deposit Ware Co. (See Friedrich, Alfred, assignor.)
Neel, Thomas W., and A. G. Shaffer, Ventura, Calif. Combined stock extension and holster for firearms. 1,557,865; Oct. 20.
Nederlandsch-Indische Spiritus Maatschappij. (See Jacometti, Theodor J. A., assignor.)
Neil, Maud E., Washington, D. C. Inhibiting the deterioration of yeast cells. 1,557,764; Oct. 20.
Neth, George J., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,557,866; Oct. 20.
Nevius, George H., Shrewsbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Comb. Des. 68,540; Oct. 20.
New Idea Spreader Co. (See Oppenheim, T. H., and Selhorst, assignors.)
Newell, Floyd B., Dayton, Ohio. Gasoline-level gauge. 1,557,867; Oct. 20.
Newell, Luther S., assignor to Respro Inc., Cranston, R. I. Process and mechanism for impregnating fibrous material. 1,558,271; Oct. 20.
Nicholas, Harry E., Los Angeles, Calif. Automatic stop. 1,557,765; Oct. 20.
Nicholls, Albert E., Bren, Calif. Oil feeder for internal-combustion engines. Des. 16,189; Oct. 20.
Nieck, René V., Nice, France. Press of the compressed-air type for the casting of precious metals. 1,558,201; Oct. 20.
Norman, Elves W., Gary, Ind. Vehicle brake. 1,558,390; Oct. 20.
Norment, Alva S., Richmond, Va. Automatic railway switch. 1,557,766; Oct. 20.
Norwood, Robert R., Mineral Wells, Tex. Supporter. 1,558,202; Oct. 20.
Oard, Noah O., Columbus Grove, Ohio. Pool-ball racker. 1,557,868; Oct. 20.
O'Bannon, Daniel, J., and D. Napoleon, Albuquerque, N. Mex. Automobile curtain bracket. 1,557,604; Oct. 20.
O'Brien, Richard H., Forest City, Pa. Demountable-rim lock. 1,557,869; Oct. 20.
Obara, Tomosuke, Tokyo, Japan. Sun screen. 1,558,391; Oct. 20.
Oilgear Company, The. (See Ferris, Walter, assignor.)
Oldham, George, and Son Company. (See Santos, John R. L., assignor.)
Oliver, Immanuel A., Pomona, Calif. Guide bearing for vertical pump shafts. 1,557,767; Oct. 20.
Olson, James P., Sanford, Fla. Cistern cut-off. 1,558,203; Oct. 20.
O'Meara, Denis H., Detroit, Mich., assignor to American Optical Company, Southbridge, Mass. Magnifier. 1,557,605; Oct. 20.
Onondaga Pottery Company. (See Aitken, Harry G., assignor.)
Oppenheim, Theodore H., and B. Selhorst, assignors to New Idea Spreader Co., Coldwater, Ohio. Operating the rolls of corn-husking machines. 1,557,768; Oct. 20.
Osgood, Louis A., Hartford, Conn., and E. E. Wolf, Springfield, Ohio, assignors to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale. 1,557,606; Oct. 20.
Otis Automatic Train Control, Inc. (See Kent, O. B., and Miller, assignors.)
Owen, Albert J., et al. (See Harris, William G., assignor.)
Owens Bottle Company, The. (See La France, Richard, assignor.)
Ovington, Edward J., Auburndale, assignor, by mesne assignments, to J. W. Crowell, Newton Center, Mass. Combined rim stretcher and frame bender. 1,557,607; Oct. 20.
Pachman, Adolph, Chicago, Ill. Spark-plug terminal cable connection. 1,557,870; Oct. 20.
Packard, Everett T., Avon, Mass. Shoe heel. Des. 68,541; Oct. 20.
Page, Murray E. and T. S., Syracuse, N. Y. Fuel burner. 1,558,283; Oct. 20.
Page, Thomas S. (See Page, Murray E. and T. S.)
Painter, Fred S., Bloomfield, assignor of one-half to H. W. Morse, Hartford, Conn. Piston. 1,557,871; Oct. 20.
Paley, Lewis A., Buffalo, N. Y. Molding apparatus. 1,558,284; Oct. 20.
Pallone, Carmine, Girard, Ohio. Lock for switch stands. 1,558,115; Oct. 20.
Palmore, Frederick F., El Reno, Okla. Cord arm. 1,557,709; Oct. 20.
Paraffine Companies, The. (See Finley, Dozier, assignor.)
Paramount Rubber Cons., Inc., The. (See Eldon, Albert J., assignor.)



Parker, Edward O., Brooklyn, assignor to H. C. Kupper, Inc., New York, N. Y. Cruet. Des. 68,542; Oct. 20.
Parlett, William M. (See Winks, Walter H., assignor.)
Parrish, Andrew L., Long Beach, Calif. Brake-operating device for trailers. 1,557,770; Oct. 20.
Passamaneck, Carl S., and H. E. McCaulu, Fullerton, Calif. Running-time indicator. 1,557,721; Oct. 20.
Pastrnák, Antonin, Velke-Kuncice, n/Ostr., Czechoslovakia. Feeding device for furnaces. 1,557,722; Oct. 20.
Patent Button Company, The. (See White, Franklin H., assignor.)
Paul Rubber Company, The. (See Welton, Park E., assignor.)
Pazynski, John, San Francisco, Calif. Shoe stand. Des. 68,543; Oct. 20.
Pearson, Arthur E., Los Angeles, Calif. Making inlaid cement blocks. 1,557,723; Oct. 20.
Peckinpaugh, Ernest H., Chattanooga, Tenn. Fish lure and making same. 1,557,771; Oct. 20.
Pedersen, Niels, Philadelphia, Pa., assignor, by mesne assignments, to Brock & Weymouth, Incorporated. Aeroplane camera. 1,558,272; Oct. 20.
Peebles, Frank B., assignor to The Lamson Company, Syracuse, N. Y. Stop device for conveyer systems. 1,557,772; Oct. 20.
People of the United States, The. (See Fulton, H. R., and Bowman.)
Perkins, Frederick O., New York, N. Y., assignor, by mesne assignments, to The Andrew Jergens Company, Cincinnati, Ohio. Shaving-stick holder. 1,557,808; Oct. 20.
Perron, Gustave, Paris, France. Braiding machine. 1,558,039; Oct. 20.
Perry, Donald B., Yonkers, N. Y., assignor to American Telephone and Telegraph Company. Printing-telegraph exchange. 1,557,609; Oct. 20.
Peters, Caroline A., Los Angeles, Calif. Child's apron. Des. 68,544; Oct. 20.
Peters Cartridge Company, The. (See Holden, Charles L., assignor.)
Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Tear-open can. 1,557,610; Oct. 20.
Peters, Theodore, Ferdinand, Ind. Compressed-air water elevator. 1,558,273; Oct. 20.
Petersen, Ernst E., Copenhagen, Denmark. Mechanically-worked ice saw. 1,558,040; Oct. 20.
Peterson, Charles A., Chicago, Ill. Drawer attachment for sinks. 1,558,274; Oct. 20.
Peterson, John, and G. G. Smith, Portland, Oreg. Dispensing receptacle. 1,558,275; Oct. 20.
Peterson, Leland H., Wauneta, Nebr. Automatic drain. 1,558,276; Oct. 20.
Pfeifer, Ferdinand A., assignor to The Eagle Engineering Company, Springfield, Ohio. Vegetable cutter. 1,557,611; Oct. 20.
Pfleger, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Railway truck. 1,557,872; Oct. 20.
Phares, Harold, Elizabeth, N. J. Drawing device. 1,558,041; Oct. 20.
Phelan, Louis A. M., and C. Hotchkiss, Beloit, Wis.; said Hotchkiss assignor to said Phelan. Electrical switch. 1,558,277; Oct. 20.
Philadelphia Hardware and Malleable Iron Works, Inc. (See Morrett, Clarence L., assignor.)
Phillips, Elma, Dover Plains, N. Y. Combined toy and heating device. 1,558,278; Oct. 20.
Pierce, Butler & Pierce Manufacturing Corporation. (See Reid, James, assignor.)
Pieri, Giovacchino. (See Demyanovich, Mylan, assignor.)
Pike, Robert D., San Francisco, Calif. Continuous method and apparatus for calcining and clinkering. 1,557,873; Oct. 20.
Pilcher, Allen C., J. F. Babbitt, and J. V. Pilcher, assignors to Efficiency Mfg. Co., Louisville, Ky. Fuel-feeding apparatus. 1,557,773; Oct. 20.
Pilcher, John V. (See Pilcher, A. C., Babbitt, and Pilcher.)
Piston Ring Company, The. (See Johnson, Charles E., assignor.)
Platt, Clarence D., Bridgeport, Conn. Electric switch. 1,558,116; Oct. 20.
Plummer, Harvey S. (See Dyson, E. G., and Plummer.)
Podolsky, Henry, San Francisco, Calif. Locking tie plate for rails. 1,558,204; Oct. 20.
Pomillo, Umberto. (See Giordani, F., and Pomillo.)
Pool, Nathan D., and A. J. Leveque, Lead, S. Dak. Tile rack for playing games. 1,557,774; Oct. 20.
Porter, Robert L., Los Angeles, Calif. Wire-rope drilling clamp. 1,558,892; Oct. 20.
Post, Georgia A., West Long Beach, N. Y. Toy safety-razor outfit. 1,557,612; Oct. 20.
Post, Harry, New York, N. Y. Preparing furs. 1,558,279; Oct. 20.
Potts, Louis M., Baltimore, Md., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Secret system of telegraphy. 1,558,280; Oct. 20.
Potts, William R., London, England. Press for tennis and other rackets. 1,558,281; Oct. 20.
Powers, Edward J., Oak Park, Ill. Safety mechanism for hoisting apparatus. 1,558,042; Oct. 20.
Prang, Gustav, Rickreall, Oreg. Seed sowing and distributing machine. 1,558,282; Oct. 20.
Prat, Georges J. A. L., Paris, France. Producing mechanical drafts in chimneys and the like. 1,558,438; Oct. 20.
Prentice, John, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Baffle for boilers. 1,557,874; Oct. 20.
Preston, Charles I., Davenport, Iowa. Parallel crank motion for radial engines. 1,557,875; Oct. 20.
Price, G. W., Pump and Engine Company. (See Price, Gomer W., assignor.)
Price, G. W., Pump and Engine Company. (See Zimansky, Curt F., assignor.)
Price, Gomer W., assignor to G. W. Price Pump and Engine Company, San Francisco, Calif. Pump-shaft-casing coupling. 1,557,876; Oct. 20.
Priess, William H., Belmont, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Machine and method for building electrical condenser stacks. 1,557,724; Oct. 20.
Priess, William H., Belmont, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,558,043; Oct. 20.
Pringle, William T., assignor to V. V. Fittings Company, Philadelphia, Pa. Mechanical movement. 1,558,393; Oct. 20.
Proctor, John A., Lexington, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Variable electrical condenser. 1,557,725; Oct. 20.
Products Protection Corporation, The. (See Smith, Franklin S., assignor.)
Quinn, Fred, Oliver, Ill. Automobile lift. Re16,100; Oct. 20.
Radio Motion Picture Phon. Corp. (See Lubé, Henry, assignor.)
Rae, Julio H., assignor of one-third to J. H. Rae, jr., and one-third to L. M. Rae, Dayton, Nev. Amalgamating and concentrating machine. 1,557,877; Oct. 20.
Rae, Julio H., jr., et al. (See Rae, Julio H., assignor.)
Rae, Louisa M., et al. (See Rae, Julio H., assignor.)
Ramsay, Henrik G. A., Linkoping, Sweden, assignor to Stockholms Superfosfat Fabriks Aktiebolag. Producing oxides of nitrogen. 1,558,046; Oct. 20.
Rankin, Oscar J., St. Louis, Mo. Tool. 1,557,726; Oct. 20.
Raphael, Sylvester, Brooklyn, assignor to S. Raphael, New York, N. Y. Locking device. 1,558,285; Oct. 20.
Raphael, Sylvia. (See Raphael, Sylvester, assignor.)
Rasch, Gustav C., assignor to Burlington Blanket Company, Burlington, Wis. Cow blanket. 1,558,117; Oct. 20.
Raschick, Charles T., St. Paul, Minn. Restaurant check. 1,557,613; Oct. 20.
Rauck, Walter R. (See Geiger, Henry F., assignor.)
Rauworth, Edwin S., assignor to Apollo Piano Company, De Kalb, Ill. Piano-action bracket. 1,557,614; Oct. 20.
Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
Reese, Ralph L., et al. (See Cook, Edward G., assignor.)
Reeves, Donald H., Dayton, Ohio. Pump. 1,557,878; Oct. 20.
Reid, James, assignor to Pierce, Butler & Pierce Manufacturing Corporation, Syracuse, N. Y. Thermometer casing. Des. 68,545; Oct. 20.
Reisbach, Gustave B., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Conveyer. 1,557,944; Oct. 20.
Respro Inc. (See Newell, Luther S., assignor.)
Rex Tractor Co. (See Sweet, Howard M., assignor.)
Reynolds, Ernest M., Cleveland, Ohio. Motion-picture mechanism. 1,557,727; Oct. 20.
Rice, Jasper N., St. Joseph, Mo. Apparatus for grinding fodder, straw, or similar rough food for stock. 1,558,894; Oct. 20.
Richardson, Charles G., Elizabeth, N. J. Separating cobalt from nickel. 1,557,879; Oct. 20.
Richter, George A., assignor to Brown Company, Berlin, N. H. Treatment of raw material in the manufacture of chemical wood pulp. 1,557,880; Oct. 20.
Richter, Morten B., Copenhagen, Denmark. Method and mold for manufacturing telephone jacks. 1,557,615; Oct. 20.
Riddle, Edward N., Company, The. (See Crowell, Frank S., assignor.)
Riesbol, Henry C., New York, N. Y. Concrete building form. 1,558,895; Oct. 20.
Riley, William J., Boston, Mass. Shingle fastener. 1,557,616; Oct. 20.
Rinse, John C., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Folding machine. 1,557,617; Oct. 20.
Ritter, George F., assignor to Tillotson Manufacturing Company, Toledo, Ohio. Carburetor. 1,557,618; Oct. 20.
Rivard, Theodore, Newport, Vt. Derailer. 1,557,619; Oct. 20.
Robert, Alphonse V. A., Morbihan, France. Opening fishing nets in width and height. 1,557,728; Oct. 20.
Roberts, Harold E., Overbrook, Pa. Closure for collapsible tubes and other receptacles. 1,558,044; Oct. 20.
Robertson, Edward F., Glasgow, and J. H. Fraser, Greenock, Scotland. Workholder and tool mounting for use in finishing bearings. 1,558,045; Oct. 20.
Robertson, William, Cambuslang, Scotland. Gasket for internal-combustion engines. 1,557,775; Oct. 20.

Robinson, Henry, Waco, Tex. Eyecup. 1,557,620; Oct. 20.
Robinson, Henry, Lindenhurst, N. Y. Vegetable-paring machine. 1,558,286; Oct. 20.
Roby, Ralph I. (See Luly, R. C., and Roby.)
Rockwood, George I., Worcester, Mass. Fire-controlling apparatus. 1,558,047; Oct. 20.
Rodanet, Charles H. H., assignor to Société Anonyme: Etablissements Ed. Jaeger, Paris, France. Registering counter. 1,558,287; Oct. 20.
Roehrs, Rudolph L., Rutherford, N. J. Grass-seed container. 1,558,396; Oct. 20.
Rogers, Everett I., jr., Providence, R. I. Jewelry-display container. Des. 68,546; Oct. 20.
Rogers, Morris E., Norwood, La. Bale. 1,557,881; Oct. 20.
Rogers, Samuel L. (See Bried, Julien A., assignor.)
Roman, Harry, Wilmington, Del. Game apparatus. 1,558,288; Oct. 20.
Rose, William, Gainsborough, England. Machine for wrapping sweetmeats and other articles. 1,558,397; Oct. 20.
Rose, William, Gainsborough, England. Apparatus for feeding cigarettes. 1,558,398; Oct. 20.
Rosenberg, Heyman, New York, N. Y. Punch. 1,558,289; Oct. 20.
Rothkirch, Herman, New York, N. Y. Phonograph. 1,558,048; Oct. 20.
Russell, C. H., & Son, Inc. (See Russell, William H., assignor.)
Russell, Perry C., Somers, Mont. Elevating and lowering conveyer. 1,557,776; Oct. 20.
Russell, Philip K., New York, N. Y. Trousers hanger. 1,558,290; Oct. 20.
Russell, Thomas N., Chicago, Ill., assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Wilmington, Del. Car roof. 1,558,291; Oct. 20.
Russell, William H., assignor to C. H. Russell & Son, Inc., Clarksville, Va. End gate for wagons. 1,558,292; Oct. 20.
Ruzumber, Edwin A., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Toaster. 1,558,049; Oct. 20.
Ruths, Johannes, Djursholm, assignor to Aktiebolaget Vapenackumulator, Stockholm, Sweden. Steam-accumulator apparatus for steam plants. 1,558,293; Oct. 20.
Ryder, Harry M., Forest Hills Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,558,050; Oct. 20.
Rylen, Joseph N., Turlock, Calif. Combined pliers and wrench. 1,558,399; Oct. 20.
Sabine, Chesley T. (See Borrows, J. A., and Sabine.)
Saco-Lowell Shops. (See Langevin, F. D., and Curley, assignors.)
St. Louis Car Company. (See Blair, Joseph H., assignor.)
Sales, Edwin W., et al. (See Cross, Lawrence P., assignor.)
Sandbo, Anton L., assignor of one-third to J. H. Britton, Rock Island, Ill. Piston-position indicator. 1,558,294; Oct. 20.
Santos, John R. L., Baltimore, Md., assignor to George Oldham and Son Company, Philadelphia, Pa. Pneumatic tool. 1,557,777; Oct. 20.
Sargent, Arthur J., Providence, R. I. Device for locating and raising sunken ships. 1,557,778; Oct. 20.
Sargent, Leonard F., Wausau, Wis. Furnace casing. 1,558,400; Oct. 20.
Sato, Kyuji, Nyack, N. Y. Amusement apparatus. 1,558,401; Oct. 20.
Sattler, Rudolph, Cincinnati, Ohio. Plate-printing machine. 1,558,123; Oct. 20.
Sawyers, Jim, Caddo, Tex. Fishhook. 1,558,295; Oct. 20.
Sayles, Bernard T., et al. (See Cross, Lawrence P., assignor.)
Schade, James W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for gauging vehicle parts. 1,557,882; Oct. 20.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass., a voluntary trust association of copartnership having as trustees F. B., E. S., and J. M. Towne and F. W. Wilson. Book cover. 1,557,883; Oct. 20.
Schafer, Max. (See Kratz, F., and Schafer.)
Schäffer & Budenberg, G. m. b. H. (See Jatow, Paul, assignor.)
Schaub, Lisle C., Chicago, Ill. Ventilator. 1,558,296; Oct. 20.
Scheib, Georg, assignor of one-fourth to H. Guntherberg, one-fourth to R. Ihlenfeldt, and one-fourth to M. Koch, Berlin, Germany. Process and apparatus for the preservation of objects of animal origin, meat, fowl, fish, etc. 1,557,779; Oct. 20.
Schenectady Trust Company, The, executor. (See Mellin, Carl J.)
Scheppmann, Wilhelm, Berlin, assignor to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. Telephone receiver. 1,557,621; Oct. 20.
Schilling, John M., Lima, Ohio. Sign. 1,558,297; Oct. 20.
Schilplin, William, Seattle, Wash. Poison distributor. 1,558,439; Oct. 20.
Schlager, Leon, New York, N. Y. Baker's peel. 1,557,884; Oct. 20.
Schlotter, Charles A., Avalon, and M. T. Scholl, Pittsburgh, assignors, by mesne assignments, to Flexomet Corporation, Pittsburgh, Pa. Rod packing. 1,557,945; Oct. 20.
Schoch, Edwin, Rüti, assignor to Maschinenfabrik Rüti, formerly Caspar Honegger of Rüti, Burich, Switzerland. Bobbin casing for looms with automatic cop-changing mechanism. 1,558,051; Oct. 20.
Scholl, Milo T. (See Schlotter C. A., and Scholl.)
Schott & Gen. (See Grossman, Max, assignor.)
Schumacher, Elmer L., Southbridge, and W. H. Boutelle, Sturbridge, assignors to American Optical Company, Southbridge, Mass. Parts for ophthalmic mountings. 1,557,780; Oct. 20.
Schurch, Jacob, Los Angeles, Calif, assignor to B. C. Tunison, Pittsburgh, Pa. Controller for electric motor vehicles. 1,558,052; Oct. 20.
Schutte and Koerting Company. (See Zimmerman, Hans J., assignor.)
Schwab, Louis. (See McGuckin, John J., assignor.)
Schwartz, Chester L., Detroit, Mich. Ironer. 1,558,298; Oct. 20.
Schwartz, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixed esters of lower and higher fatty acids and making same. 1,558,299; Oct. 20.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Weight indicator. 1,557,781; Oct. 20.
Scott, Joseph A., Shelby, Iowa. Game board. Des. 68,547; Oct. 20.
Scott, Lewis L., St. Louis, Mo. Steam automobile. 1,557,782; Oct. 20.
Seaman, William A., Midland, Mich. Wheel-truing device. 1,558,402; Oct. 20.
Searles, Clara C., executrix. (See Searles, Mailler.)
Searles, Mailler, deceased, Oakland; C. C. Searles, executrix, assignor to Mailler Searles, Inc., San Francisco, Calif. Endless elevator. 1,558,300; Oct. 20.
Searles, Mailler, Inc. (See Jaenicke, William H., assignor.)
Searles, Mailler, Inc. (See Searles, Mailler, assignor.)
Security Engineers, Incorporated. (See Bryant, Julian K., assignor.)
Seidel, Arnold, Berlin-Charlottenburg, Germany. Vehicle construction. 1,557,783; Oct. 20.
Seiders, Carl F., Portland, Me. Toy. Des. 68,548; Oct. 20.
Selhorst, Bernard. (See Oppenheim, T. H., and Selhorst.)
Serafini, Bernard F., St. Louis, Mo. Buttonhole mechanism for sewing machines. 1,558,118; Oct. 20.
Sexauer, Will G., San Antonio, Tex. Two-way repeater and amplifier. 1,558,053; Oct. 20.
Shacikoski, Anthony, Homer City, Pa. Closure for sirup pumps. 1,558,403; Oct. 20.
Shaffer, Albert G. (See Neel, T. W., and Shaffer.)
Shanahan, Stephen, Cincinnati, Ohio, assignor of one-half to Crowley-Prairie Realty Company, Charleston, W. Va. Cover box for meters. 1,557,885; Oct. 20.
Shapiro, Saul, New York, N. Y., assignor to Artcraft Metal Stamping Corporation. Lighting-fixture tassel. 1,557,622; Oct. 20.
Sharpnack, Roy S., Dillner, Pa. Car feeder. 1,557,784; Oct. 20.
Shartle, Charles W., jr., Middletown, Ohio. Shock absorber. 1,557,886; Oct. 20.
Shawmut Engineering Company. (See Hathaway, Edgar F., assignor.)
Sheeley, Howard E., Michigan City, Ind. Adjustable reel. 1,557,887; Oct. 20.
Shelley, Earl F. (See Hollensbe, I. J., and Shelley.)
Shelton, Harry J., St. Louis, Mo. Grinder and shredder. 1,557,888; Oct. 20.
Shenkel, Gustave, Brooklyn, N. Y. Wall bracket. Des. 68,549; Oct. 20.
Shepherd, Frank D., Aurora, Ill. Internal-combustion engine. 1,557,785; Oct. 20.
Sherban, Daniel V., assignor to The Bonnot Company, Canton, Ohio. Drying apparatus. 1,558,119; Oct. 20.
Shindo, Kiyotaka. (See Hino, J., and Shindo.)
Short, Ira, Essington, Pa., assignor, by mesne assignments, to Westinghouse Gear and Dynamometer Company. Gear drive. 1,558,054; Oct. 20.
Sieber, Gottwalt, assignor to Vogtländische Maschinenfabrik (vormals J. C. & H. Dietrich) Aktiengesellschaft, Plauen, Saxony, Germany. Central suspension for the movable fabric frames of embroidery machines. 1,557,786; Oct. 20.
Siefert, John T., Dayton, Ohio. Illuminating mechanism. 1,557,729; Oct. 20.
Siefken, Otto, Rockford, Iowa. Automobile radiator. 1,558,205; Oct. 20.
Siegel, Maude, assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 68,550; Oct. 20.
Siemens & Halske, Aktiengesellschaft. (See Kaminski, Paul, assignor.)
Simon, Edward, Montreal, Quebec, Canada. Cigar lighter. Des. 68,551; Oct. 20.
Simpson, David G., Brooklyn, assignor to Loose Wiles Biscuit Company, Long Island City, N. Y. Die roller. 1,558,206; Oct. 20.
Simpson, Frederick G., Seattle, Wash. Radio receiving system. 1,558,120; Oct. 20.
Simpson, George N., Chicago, Ill. Automatic skip-loading gate. 1,558,121; Oct. 20.





Sims, Frederick L. H., Southampton, Ontario, Canada. Folding couch and the like. 1,558,301; Oct. 20.
Singer Manufacturing Company, The. (See Eames, G. M., and Webb, assignors.)
Singer Mfg. Company, The. (See Ringe, John C., assignor.)
Sjodahl, Hilding A., Cincinnati, Ohio. Shingle. Des. 68,552; Oct. 20.
Slate Veneer Company. (See Lake, Vincent F., assignor.)
Slater, Fred M. (See Bayles, L. C., and Slater.)
Slayton, Hovey E. (See Lindgren, Alexander, assignor.)
Slogr, Frank, Omaha, Nebr. Roller skate. 1,558,404; Oct. 20.
Smartt, Ben H., Five Points, Ala. Crusher. 1,558,302; Oct. 20.
Smickle, Raymond H., Belvidere, assignor to Ingersoll-Rand Company, Jersey City, N. J. Double-tube connection. 1,558,303; Oct. 20.
Smith, Arthur G., Oak Park, Ill. Deodorant composition. 1,558,405; Oct. 20.
Smith, Clark L., assignor to Spokane Casket Company, Spokane, Wash. Crushing machine. 1,557,623; Oct. 20.
Smith, Franklin S., Philadelphia, Pa., assignor to The Products Protection Corporation, New York, N. Y. Producing a fibrous mass impregnated with a phenolic condensation product. 1,557,730; Oct. 20.
Smith, George, assignor to Ellicott Machine Corporation, Baltimore, Md. Pump. 1,558,055; Oct. 20.
Smith, Gustav G. (See Peterson, J., and Smith.)
Smith, Lewis, Wayne City, Ill. Monument mold. 1,557,946; Oct. 20.
Smith, Milton G. (See Magnuson, E., and Smith.)
Smulski, Theodore J., Chicago, Ill. Timing device. 1,558,304; Oct. 20.
Snape, Mary I., Springfield, Ill. Envelope and carton. 1,558,305; Oct. 20.
Snape, Mary I., Springfield, Ill. Envelope. 1,558,306; Oct. 20.
Snyder, Fred W., Chicago, Ill. Identification device. 1,558,406; Oct. 20.
Société Anonyme: Etablissements Ed. Jaeger. (See Rodanet, Charles H. H., assignor.)
Societe Evette and Schaeffer. (See Evette, Leon M., assignor.)
Sockman, George F., Woodlawn, Pa. Well capper and flow distributor. 1,558,056; Oct. 20.
Sommer, Leo, St. Lin, Quebec, Canada. Water-pan alarm. 1,558,057; Oct. 20.
Sommer, Rae, Chicago, Ill. Vanity case. 1,558,407; Oct. 20.
Sorlie, Arthur G., Grand Forks, N. Dak. Lining. 1,558,408; Oct. 20.
Soss, Joseph, Brooklyn, N. Y. Hinge. Re16,187; Oct. 20.
Specialty Sales Corporation. (See Maynard, Harlan J., assignor.)
Splitdorf Electrical Company. (See Libby, A. D. T., and McKeown, assignors.)
Spokane Casket Company. (See Smith, Clark L., assignor.)
Spottswood, Edwin E., Cincinnati, Ohio. Safety vestibule. 1,558,058; Oct. 20.
Stack, Maurice J., Cohoes, N. Y. Roll-winding device. 1,558,059; Oct. 20.
Stagner, Bert A., Long Beach, Calif. Mothproof felt, etc. 1,558,122; Oct. 20.
Standard Galvanizing Co. (See Dougherty, Paul S., assignor.)
Starmer, Mary, Newport News, Va. Belt buckle. 1,557,624; Oct. 20.
Stead, Lawrence A., Chester, Pa. Acid-circulating system for mercerizing yarn. 1,558,060; Oct. 20.
Steege, Henry W., Waterloo, Iowa. Stanchion. 1,557,731; Oct. 20.
Steen, Buford J., San Antonio, Tex. Safety razor. 1,557,889; Oct. 20.
Steilmann, Louis M., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Piston construction. 1,557,625; Oct. 20.
Stephan, Viktor, Plauen, Germany. Machine for casting stereotype plates. 1,557,890; Oct. 20.
Stephens, Willis W., Glencoe, Okla. Railway-track truss rod. 1,558,307; Oct. 20.
Sternbergh, Harry, assignor to W. W. Blakely, Detroit, Mich. Vehicle anchorage device. 1,558,308; Oct. 20.
Stevens & Company. (See McGuckin, John J.)
Stevens, William C., assignor to Firestone Tire and Rubber Company, Akron, Ohio. Tire-building machine. 1,557,891; Oct. 20.
Stewart, Benjamin, Des Moines, Iowa. Arch support and heel cushion. 1,557,947; Oct. 20.
Stienecker, Huldreich M., Climax, Mich. Cabinet. 1,558,409; Oct. 20.
Stiles, Linford S., Brooklyn, N. Y. Manufacture of illuminating gas. 1,558,124; Oct. 20.
Stiles, Linford S., Brooklyn, N. Y. Water-gas apparatus. 1,558,125; Oct. 20.
Stirling Boiler Company, The, et al. (See McGregor, Robert, assignor.)
Stock Quotation Telegraph Company. (See Hiltz, George S., assignor.)
Stockholms Superfosfat Fabriks Aktiebolag (See Ramsay, Henrik G. A., assignor.)
Stoddard, Charles F., assignor to American Piano Company, New York, N. Y. Note sheet. 1,557,732; Oct. 20.
Stohn, Georg, Stolberg, Germany. Mechanical roasting furnace. 1,558,207; Oct. 20.
Stoler, Edward W., Mansfield, Ohio. Wire spoke. 1,558,126; Oct. 20.
Storey, William H., Leicester, England. Distributing stick for type. 1,558,309; Oct. 20.
Street & Kent Mfg. Co. (See Dale, William B., assignor.)
Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Mounting for brake gears. 1,557,733; Oct. 20.
Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Mounting for brake gears. 1,557,734; Oct. 20.
Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Mounting for brake gears. 1,557,735; Oct. 20.
Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Mounting for brake gears. 1,557,736; Oct. 20.
Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Mounting for brake gears. 1,557,737; Oct. 20.
Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Holder or support for brake gears. 1,557,738; Oct. 20.
Strong, William, near Springfield, Ohio. Sheet-metal roofing. 1,558,410; Oct. 20.
Stubbs, Charles L., Akron, Ohio. Shade and curtain-pole support. 1,557,892; Oct. 20.
Stukart, Hendrik, assignor to U. S. Slicing Machine Company, La Porte, Ind. Bread slicer. 1,557,893; Oct. 20.
Stumo, Homer G., Cadillac, Mich. Bumper. 1,558,411; Oct. 20.
Sturgis, Herbert M., Kansas City, Mo. Mop-handle fixture. 1,557,894; Oct. 20.
Sturm, Hans, Reichenberg, Czechoslovakia. Artificial tooth. 1,557,739; Oct. 20.
Sullivan, Willard A., Jamaica, N. Y. Lock wedge device. 1,557,740; Oct. 20.
Sutherland, Thomas H., Washington, Pa. Automobile brake. 1,558,061; Oct. 20.
Sutton, Michael L., and D. Heyer, Hollywood, Calif. Reamer. 1,557,895; Oct. 20.
Swanson, Peter, Ely, Minn. Railway switch. 1,557,626; Oct. 20.
Swasey, George A., Milo, Me. Fishing reel. 1,558,310; Oct. 20.
Swebilius, Carl G., assignor, by mesne assignments, to The Marlin Firearms Corporation, New Haven, Conn. Firearm. 1,557,627; Oct. 20.
Sweet, Henry W., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Power take-off. 1,557,628; Oct. 20.
Sweet, Howard M., assignor to Rex Tractor Co., Detroit, Mich. Line-drive tractor. 1,558,311; Oct. 20.
Sweet, Laurence A., Los Angeles, Calif., assignor to Laurence A., Sweet Manufacturing Company. Radiator cap. Des. 68,553; Oct. 20.
Sweet, Laurence A., Manufacturing Company. (See Sweet, Laurence A., assignor.)
Sworaski, Michael, Philadelphia, Pa. Automobile lock. 1,557,896; Oct. 20.
Sword, James B., assignor to Sword & Kimber Company, Philadelphia, Pa. Method of and apparatus for burning fuel. 1,557,741; Oct. 20.
Sword & Kimber Company. (See Sword, James B., assignor.)
Synoground, August W., Nortonville, N. Dak. Poke. 1,557,742; Oct. 20.
Sysel, Eman, Dorchester, Nebr. Power-operated dumping truck. 1,558,412; Oct. 20.
Szent, Peter, Chicago, Ill. Electric flatiron. 1,558,312; Oct. 20.
Tarlton, Perle E., Los Angeles, Calif., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Lubricating system. 1,558,313; Oct. 20.
Taylor, Frederick D., Cranston, R. I. Tide motor. 1,557,787; Oct. 20.
Taylor, George W., sr., et al. (See Taylor, Jesse E., assignor.)
Taylor, Jesse E., assignor of one-fourth to L. B. Taylor and one-fourth to G. W. Taylor, sr., Valier, Mont. Water conveyer. 1,557,629; Oct. 20.
Taylor, Lena B., et al. (See Taylor, Jesse E., assignor.)
Taylor, Lewis L., Orlando, Fla. Composition for the treatment of dog mange. 1,557,897; Oct. 20.
Taylor, Roger W., Cincinnati, Ohio. Cigar box. 1,557,898; Oct. 20.
Teitelbaum, Boris H., Brooklyn, assignor to Bright Star Battery Co., New York, N. Y. Making dry batteries. 1,558,413; Oct. 20.
Teofer, Harry, Brooklyn, assignor to Apex Chandelier Co. Inc., New York, N. Y. Chandelier. Des. 68,554; Oct. 20.
Terrill, Albert, Haileybury, Ontario, Canada. Steel bit for rock drills. 1,557,743; Oct. 20.
Terry, Matson C. (See Gano, H. S., and Terry.)
Terry-McCluskey Auto Lock Co. (See Terry, Samuel L. assignor.)
Terry, Samuel L., Chicago, Ill., assignor to Terry-McCluskey Auto Lock Co. Automobile lock. 1,557,899; Oct. 20.
Texas Company, The. (See Hall, Frank W., assignor.)
Thoens, Burchard, New York, N. Y. Flushing valve. 1,557,630; Oct. 20.
Thoma, Meinrad, Zurich, Switzerland. Textile machinery for fiber preparation. 1,558,414; Oct. 20.

Thomas, Benjamin D., assignor of one-tenth to Thomas-Morse Aircraft Corporation, Ithaca, N. Y. Convertible airplane. 1,558,062; Oct. 20.

Thomas, Benjamin D., assignor of one-tenth to Thomas-Morse Aircraft Corporation, Ithaca, N. Y. Tail skid for airplanes. 1,558,063; Oct. 20.

Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,558,415; Oct. 20.

Thomas-Morse Aircraft Corporation. (See Thomas, Benjamin D., assignor.)

Thompson, Clifford J., assignor of one-half to T. J. Holmes, Chicago, Ill. Auger and bit. 1,557,900; Oct. 20.

Thompson, Frank L., Oklahoma City, Okla. Movable-headlight mounting. 1,557,901; Oct. 20.

Thompson, George K., Summit, N. J. Casting apparatus. 1,558,314; Oct. 20.

Thompson, Herbert L., Elgin, Ill. Lawn mower. 1,557,902; Oct. 20.

Thrift, Homer C., Houston, Tex. Pressure-controlling mechanism. 1,558,064; Oct. 20.

Tillotson Manufacturing Company. (See Ritter, George F., assignor.)

Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,557,631; Oct. 20.

Timander, Erik, Orsa, Sweden. Saw frame. 1,558,315; Oct. 20.

Tindle, Arthur, Nokomis, Ill. Player-piano reroll stop. 1,557,948; Oct. 20.

Tipple, John E., Union City, Ohio. Poultry feeder. 1,558,316; Oct. 20.

Tobriner, Marion L., San Francisco, Calif. Saliva tube. 1,557,744; Oct. 20.

Toellner, William C., Bunceton, Mo. Attachment for radiators. 1,558,416; Oct. 20.

Tolman, Richard C., trustee. (See Krase, N. W., and Gaddy, assignors.)

Tornberg, Henning T., Flushing, N. Y., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Testing progress of work in machines for grinding bodies of revolution. 1,557,903; Oct. 20.

Townsend, William S., assignor to Guarantee Liquid Measure Company, Rochester, Pa. Casing for a gasoline-dispensing pump. Des. 68,555; Oct. 20.

Traylor, Bruce W., Philadelphia, Pa. Antislap piston ring. 1,557,745; Oct. 20.

Treiber, Theodore R., Chicago, Ill., assignor, by mesne assignments, to The Brunswick-Balke-Collender Company, Wilmington, Del. Ball-track rail for game tables and the like. 1,558,208; Oct. 20.

Treiber, Theodore R., Chicago, Ill., assignor, by mesne assignments, to The Brunswick-Balke-Collender Company, Wilmington, Del. Game table. 1,558,209; Oct. 20.

Tresider, John H., Chisholm, and C. M. Boss, Duluth, Minn. Safety device for revolving platforms. 1,557,632; Oct. 20.

Tri-Ergon, Limited. (See Engl, J. Massolle, and Vogt, assignors.)

Tri-Ergon, Limited. (See Massolle, J., Vogt, and Engl, assignors.)

Tucker & Dorsey Mfg. Co. (See Dorsey, Robert L., assignor.)

Tunison, Benjamin C. (See Schurch, Jacob, assignor.)

Turner, Kelly M., Los Angeles, Calif. Radiocabinet. Des. 68,556; Oct. 20.

Underwood Typewriter Company. (See Waldheim, John, assignor.)

Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)

Union Switch & Signal Company. (See Ryder, Harry M., assignor.)

United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)

United Shoe Machinery Corporation. (See Cosgrove, John W., assignor.)

United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)

United Shoe Machinery Corporation. (See Hayden, Amos S., assignor.)

U. S. Slicing Machine Company. (See Stukart, Hendrik, assignor.)

Upson, Maxwell M., Englewood, N. J. Setting composite piles. 1,558,127; Oct. 20.

Urbanowitz, Stanley B., assignor to American Envelope Company, Chicago, Ill. Machine for attaching string fasteners to envelopes. 1,558,065; Oct. 20.

Ursino, Pasquale, Seattle, Wash. Railway-track-reballasting apparatus. 1,557,908; Oct. 20.

Utility Trailer Manufacturing Company. (See Knox, Garner L., assignor.)

V. V. Fittings Company. (See Pringle, William T., assignor.)

Valette, Carl E., et al. (See Cross, Lawrence P., assignor.)

Vandigrift, Walter B., Dunwoody, Ga. Toy. 1,557,904; Oct. 20.

Van Nattan, Verle V., and C. B. Gray, San Francisco, Calif. Air spring. 1,557,905; Oct. 20.

Vannoradel, Dewey G., Kingsley, Iowa. End-gate fastener. 1,557,906; Oct. 20.

Van Nuys, Claude C., Cranford, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of gaseous mixtures. 1,557,907; Oct. 20.

Van Zandt, John P., Washington, D. C. Means and method of position finding by astronomical observation. 1,558,317; Oct. 20.

Vassall, Harry G., et al. (See Harris, William G., assignor.)

Vaughan, Percy E., San Jose, Calif. Pump. 1,558,417; Oct. 20.

Veazey, William R., Cleveland, Ohio, and E. C. Burdick, assignors to The Dow Chemical Company, Midland, Mich. Making light metal alloys. 1,558,066; Oct. 20.

Vernam, Gilbert S., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Translating device. 1,557,633; Oct. 20.

Vogt, Hans. (See Engl, J., Massolle and Vogt.)

Vogt, Hans. (See Massolle, J., Vogt, and Engl.)

Vogtländische Maschinenfabrik (vormals J. C. & H. Dietrich) Aktiengesellschaft. (See Sieber, Gottwalt, assignor.)

Volis, Harry, assignor to Volis Precision Tool Company, Detroit, Mich. Inside micrometer gauge. 1,558,318; Oct. 20.

Volis Precision Tool Company. (See Volis, Harry, assignor.)

Voorhees, Lee J., Binghamton, N. Y., assignor to National Carbon Company, Inc. Flash-light holder. 1,557,746; Oct. 20.

V. Frömmer, Rudolf, Budapest, Hungary. Sporting gun. 1,558,158; Oct. 20.

Von Pokrzywnicki, Mieczyslaw, Warsaw, Russia. Steam boiler. 1,558,210; Oct. 20.

Wageman, Lucia, administratrix. (See Wagner, Mathias.)

Wagemmenn, Albert G. (See Wagner, Mathias, assignor.)

Wagner, Mathias, Kokomo, assignor to A. G. Wagemmenn, Alexandria, Ind.; L. Wageman, administratrix of said A. G. Wagemmenn or A. G. Wageman. Vacuum street cleaner. 1,557,747; Oct. 20.

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,558,319; Oct. 20.

Walker, Herbert E., Chicago, Ill. Storage-battery clip. 1,558,431; Oct. 20.

Wallace & Co. (See Montgomery, James, assignor.)

Wallace, Edward I., Florence, Ala. Fly screen. 1,557,909; Oct. 20.

Walsh, Patrick, Bartlesville, Okla. Dump receptacle for drill cutting. 1,558,128; Oct. 20.

Walter, Lowell E., Des Moines, Iowa. Scooter wagon. 1,557,634; Oct. 20.

Walton, Mark, assignor of one-half to A. S. Dale, Ullin, Ill. Antifreezing pump. 1,557,949; Oct. 20.

Ware, John H., jr., Oxford, Pa. Apparatus for receiving poles. 1,557,635; Oct. 20.

Warner Elevator Manufacturing Company, The. (See McCormick, Harold V., assignor.)

Warner, Pauline B., St. Paul, Minn. Vibrating figure toy. 1,557,636; Oct. 20.

Warner, Pauline B., St. Paul, Minn. Vibrating figure toy. 1,557,637; Oct. 20.

Warren, John W., Elizabethton, Tenn. Concrete tile. 1,558,129; Oct. 20.

Washington, Irene M., Brooklyn, N. Y. Concrete plaque and making same. 1,557,748; Oct. 20.

Wassermann, Siegfried, Birmingham, England. Letter and like rack. 1,557,950; Oct. 20.

Watson, Charles W., St. Kilda, Victoria, Australia. Manufacture of articles centrifugally. 1,558,067; Oct. 20.

Weaver, Amos H., Kinross, Iowa. Chain-gear oiler. 1,557,910; Oct. 20.

Webb, Irving F. (See Eames, G. M., and Webb.)

Weber, Clarence J., assignor to National Brick Co., Chicago, Ill. Vehicle. 1,557,749; Oct. 20.

Weber, Harry M., assignor to Ellis-Foster Company, Montclair, N. J. Preventing the sticking of plastic materials to molds. 1,558,440; Oct. 20.

Weeks, William E., Salt Lake City, Utah. Adjustable chain link. 1,558,068; Oct. 20.

Wegner, Charles P. (See Larson, W. C., and Wegner.)

Wellde, Louis G., assignor to Richard M. Decker Company, Chicago, Ill. Adjustment means for steering wheels. 1,557,638; Oct. 20.

Welton, Park E., Cuyahoga Falls, Ohio, assignor to The Paul Rubber Company, Salisbury, N. C. Tire tread. Des. 68,557; Oct. 20.

Wendel, Frans B., Cranford, N. J., assignor to Hercules Novelty Mfg. Co., Inc. Adjustable finger ring. 1,558,418; Oct. 20.

Wenzel, Emil, Aue, Germany. Nap-raising machine. 1,557,750; Oct. 20.

Westcott, Pliny K., assignor to M. A. Kenney, Brooklyn, N. Y. Vehicle landing apparatus. 1,558,130; Oct. 20.

Western Electric Company Inc. (See Mathes, Robert C., assignor.)

Westinghouse Electric and Manufacturing Company. (See Aram, Otto, assignor.)

Westinghouse Electric and Manufacturing Company. (See Baumann, Karl, assignor.)

Westinghouse Electric and Manufacturing Company. (See Gans, H. S., and Terry, assignors.)



Westinghouse Electric and Manufacturing Company. (See Zetterquist, Eric, assignor.)

Westinghouse Gear and Dynamometer Company. (See Short, Ira, assignor.)

Weston, William S., Columbia, S. C. Locking device for mantle nuts. 1,557,951; Oct. 20.

Whidden, William L., and L. McCartney, Morgan Hill, Calif. Battery. 1,557,952; Oct. 20.

White, Charles H., assignor to Deere & Company, Moline, Ill. Disk-harrow mechanism. 1,558,131; Oct. 20.

White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,558,132; Oct. 20.

White, Charles H., assignor to Deere & Company, Moline, Ill. Disk-harrow mechanism. 1,558,320; Oct. 20.

White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,558,321; Oct. 20.

White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Process and apparatus for the formation of metal stampings. 1,558,419; Oct. 20.

White, John F., assignor to White Products Company, Chicago, Ill. Radiator cap. 1,557,911; Oct. 20.

White Products Company. (See White, John F., assignor.)

White, Warren B., North Abington, Mass. Insole. 1,557,639; Oct. 20.

Whitehead, James F., assignor to Kales Stamping Company, Detroit, Mich. Luggage carrier. 1,558,322; Oct. 20.

Whiteley, James, North Tonawanda, N. Y., assignor to Maynes Corporation, Dover, Del. Amusement device. 1,558,133; Oct. 20.

Whiteley, James, North Tonawanda, N. Y., assignor to Maynes Corporation, Dover, Del. Amusement device. 1,558,134; Oct. 20.

Whiting, Jasper, Boston, Mass. Tobacco pipe. 1,558,135; Oct. 20.

Whitlock, Herbert V., Elizabeth, N. J. Rope structure. 1,558,420; Oct. 20.

Whitsett, Cameron A., Chicago, Ill., assignor to Fyrac Manufacturing Company, Rockford, Ill. Spotlamp. 1,558,421; Oct. 20.

Whyte, Frederick M., Tarrytown, N. Y., assignor to Hutchings Car Roofing Company, Detroit, Mich. Car body. 1,558,323; Oct. 20.

Wico Electric Company. (See Brown, P., and Louis, assignors.)

Wiemer, Charles D., Los Angeles, Calif. Switch. 1,558,324; Oct. 20.

Williams, Charles D., Silver Lake, Kans. Line-testing apparatus. 1,558,211; Oct. 20.

Williams, Fred D., Cooperstown, N. Dak. Making cooking compound. 1,558,069; Oct. 20.

Williams, Louis N. D., Ogonts, Pa. Transfer mechanism for knitting machines. 1,558,136; Oct. 20.

Williams, Willie T., Buena Vista, Fla. Rail joint. 1,557,912; Oct. 20.

Williamson, Henry M., Oak Park, Ill. Electromechanical transforming device. 1,557,640; Oct. 20.

Wilshusen, William B. (See Derse, A. F., and Wilshusen.)

Wilson, C. R., Body Company. (See Breneman, Paul E., assignor.)

Wilson, John H., Indianapolis, Ind. Automatic vehicle wheel track. 1,558,432; Oct. 20.

Winks, Walter H., assignor of one-half to W. M. Parlett, Baltimore, Md. Toy ball. 1,557,751; Oct. 20.

Wireless Specialty Apparatus Company. (See Priess, William H., assignor.)

Wireless Specialty Apparatus Company. (See Proctor, John A., assignor.)

Wirsching, Charles F., Washington, D. C. Peanut digger. 1,558,070; Oct. 20.

Wisconsin Electric Company. (See Beach, Chester H., assignor.)

Wisner Manufacturing Company. (See Behringer, E., and Hatch, assignors.)

Witkowski, Walter B., Hays, Pa. Tapping machine for stationary open-hearth furnaces. 1,557,953; Oct. 20.

Witten, Andy. (See Dunlap, C. G., and Witten.)

Wohl, M. J., & Co. (See Wohl, Maurice J., assignor.)

Wohl, M. J., & Co. (See Wohl, M. J., and Mayer, assignors.)

Wohl, Maurice J., New York, N. Y., assignor to M. J. Wohl & Co., Inc., Long Island City, N. Y. Electric-arc lamp. 1,558,422; Oct. 20.

Wohl, Maurice J., Long Island City, and M. Mayer, New York, assignors to M. J. Wohl & Co., Inc., Long Island City, N. Y. Regulation for arc lamps. 1,558,423; Oct. 20.

Wolf, Carl F., Chicago, Ill. Rim for vehicle tires. 1,558,212; Oct. 20.

Wolf, Elmer E. (See Osgood, L. A., and Wolf.)

Wolff, Hugo. (See Immerheiser, C., and Wolff.)

Wood, George B., assignor to Dayton Scale Company, Dayton, Ohio. Clamp for meat-slicing machines. 1,558,325; Oct. 20.

Wood, Roy E., Syracuse, Nebr. Oil burner. 1,557,954; Oct. 20.

Woodring, Alberto I., assignor, by mesne assignments, to National Safety Devices Company, Waterloo, Iowa. Combination trolley wheel and shoe. 1,557,913; Oct. 20.

Woodson, William E. (See Bostick, R., and Woodson.)

Wooster, Lillian D., administratrix. (See Wooster, Philip L.)

Wooster, Philip L., deceased, Manhasset, N. Y.; L. D. Wooster, administratrix. Material for decolorizing liquids and making the same. 1,558,137; Oct. 20.

Worthington, Dall, Baltimore, Md. Pipe. 1,557,641; Oct. 20.

Wright, John F., Jersey City, N. J. Dump body. 1,558,424; Oct. 20.

Wyatt, Alfred, assignor of one-third to S. J. Cochran and one-third to F. A. Cochran, Kansas City, Mo. Electromagnetic sound-wave-intensifying device. 1,557,914; Oct. 20.

Wynne, Arthur, Mountain Lakes, N. J., assignor to King Features Syndicate, Inc., New York, N. Y. Puzzle or game. 1,558,071; Oct. 20.

Yanchenko, Basil J., New York, assignor, by mesne assignments, to Liberty National Bank, trustee, Syracuse, N. Y. Power press. 1,558,433; Oct. 20.

Yanochowski, George A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,557,642; Oct. 20.

Yerkes, Gabrielle M. P., Brooklyn, N. Y. Brassière. 1,558,138; Oct. 20.

Yetter, Otto, Boston, Mass. Staging bracket. 1,558,425; Oct. 20.

York, Victor, Los Angeles, Calif., assignor of one-half to W. G. Black, Whittier, Calif. Pressure controller for oil wells. 1,557,915; Oct. 20.

Young, Henry R., Muskegon, Mich. Piston for internal-combustion engines. 1,557,643; Oct. 20.

Young, Leslie H., Visalia, Calif. Sign. 1,557,955; Oct. 20.

Yowell, Henry V., assignor of one-half to S. A. Garrity, El Reno, Okla. Mud ring for boilers. 1,557,752; Oct. 20.

Zaun, Henry C., Oakland, Calif. Meat cooker. 1,557,753; Oct. 20.

Zetterquist, Eric, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Turbine blading. 1,558,326; Oct. 20.

Zieg, F. B., Mfg. Company, The. (See Gould, John N., assignor.)

Zieg, F. B., Mfg. Company, The. (See Zieg, Frank B., assignor.)

Zieg, Frank B., assignor, by mesne assignments, to The F. B. Zieg Mfg. Company, Fredericktown, Ohio. Wringer. 1,557,916; Oct. 20.

Ziehler, Bernard H., Dayton, Ohio. Beverage extract. 1,557,917; Oct. 20.

Zimansky, Curt F., assignor to G. W. Price Pump and Engine Company, San Francisco, Calif. Impeller spacer and bushing. 1,557,918; Oct. 20.

Zimmermann, Hans J., assignor to Schutte and Koerting Company, Philadelphia, Pa. Heat-exchange apparatus. 1,558,139; Oct. 20.

Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Pendulum torquemeter. 1,557,956; Oct. 20.

Zuckerman, Adolph M., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Web-cutting mechanism. 1,558,140; Oct. 20.

Zundel, Eugene A., assignor to Crocker Chair Company, Sheboygan, Wis. Water-closet chair. 1,557,919; Oct. 20.

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 20TH DAY OF OCTOBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acid-circulating system for mercerizing yarn. L. A. Stead. 1,558,060; Oct. 20.
Acids and making same, Mixed esters of lower and higher fatty. G. L. Schwartz. 1,558,290; Oct. 20.
Adjustable reel. H. E. Sheeley. 1,557,887; Oct. 20.
Aeroplane. J. C. Daynix. 1,557,567; Oct. 20.
Aeroplane. A. S. Heinrich. 1,558,089; Oct. 20.
Air-brake mechanism. I. D. Lengel. 1,558,374; Oct. 20.
Aircraft. Motor arrangement for. W. H. Barling. 1,557,790; Oct. 20.
Air gauge, Automatic. C. E. Bridges. 1,558,428; Oct. 20.
Airplane, Convertible. B. D. Thomas. 1,558,062; Oct. 20.
Airplane, Helicopter. T. H. Bane. 1,557,789; Oct. 20.
Airplane structure, All-metal. F. E. Loudy. 1,557,855; Oct. 20.
Airplane, Tail skid for. B. D. Thomas. 1,558,063; Oct. 20.
Airship, Dirigible. H. C. Denturk. 1,557,812; Oct. 20.
Air spring. V. V. Van Nattan and C. R. Gray. 1,557,905; Oct. 20.
Alarm: *See*—
Burglar alarm. Machinery alarm.
Float alarm. Water-pan alarm.
Alloy, Nonrusting. M. S. Clawson. 1,557,981; Oct. 20.
Alloys, Making light metal. W. R. Veazey and E. C. Burdick. 1,558,066; Oct. 20.
Amalgamating and concentrating machine. J. H. Rae. 1,557,877; Oct. 20.
Ammunition boxes, Hinge clamp for attaching interchangeable feed chutes to. D. C. Maier. 1,557,858; Oct. 20.
Amusement apparatus. R. Sato. 1,558,401; Oct. 20.
Amusement device. J. Whiteley. 1,558,133; Oct. 20.
Amusement device. J. Whiteley. 1,558,134; Oct. 20.
Amusement device. L. C. Matthews. 1,557,942; Oct. 20.
Anchor, Rail. W. A. R. Angus. 1,558,072; Oct. 20.
Animal trap. A. Kerr. 1,557,847; Oct. 20.
Animal trap. C. O. Harker. 1,557,933; Oct. 20.
Animal trap. E. G. Cherbonnier. 1,557,558; Oct. 20.
Aperture sight. R. K. Johnston. 1,558,367; Oct. 20.
Apron, Child's. C. A. Peters. Des. 68,544; Oct. 20.
Arch support and heel cushion. B. Stewart. 1,557,947; Oct. 20.
Arm, Artificial. F. A. Kenney. 1,557,703; Oct. 20.
Auger and bit. C. J. Thompson. 1,557,900; Oct. 20.
Auto and alarm switch, Keyless. C. P. Chamberlin. 1,557,801; Oct. 20.
Autographic register. M. Macdonald. 1,558,107; Oct. 20.
Autographic register. G. J. Neth. 1,557,866; Oct. 20.
Automatic apparatus. W. Blank. 1,557,649; Oct. 20.
Automatic lock. S. L. Terry. 1,557,899; Oct. 20.
Automatic stop. H. E. Nicholas. 1,557,765; Oct. 20.
Automobile brake. T. H. Sutherland. 1,558,061; Oct. 20.
Automobile bumper. O. Guidotti. Des. 68,531; Oct. 20.
Automobile bumper. M. H. Loughridge. 1,557,714; Oct. 20.
Automobile bumper. J. J. Mascuch. 1,557,719; Oct. 20.
Automobile curtain bracket. D. O'Bannon and J. and D. Napoleon. 1,557,604; Oct. 20.
Automobile lift. F. Quinn. Re16,190; Oct. 20.
Automobile lock. J. Menchen. 1,558,110; Oct. 20.
Automobile lock. M. Sworaski. 1,557,896; Oct. 20.
Automobile machines, Turn signal for. M. M. Houston. 1,557,842; Oct. 20.
Automobile radiator. O. Siefken. 1,558,205; Oct. 20.
Automobile signaling device. B. Eliggi and L. Lorenzi. 1,557,817; Oct. 20.
Automobile, Steam. L. L. Scott. 1,557,782; Oct. 20.
Bag: *See*—
Striking bag.
Bag holder. G. C. Hume. 1,558,169; Oct. 20.
Bait, Artificial. C. A. Andersen. 1,557,644; Oct. 20.
Baker's peel. L. Schlager. 1,557,884; Oct. 20.
Bale. M. E. Rogers. 1,557,881; Oct. 20.
Ball: *See*—
Toy ball.
Ball-track rail for game tables and the like. T. R. Treiber. 1,558,208; Oct. 20.
Banding hats, Apparatus for. E. E. Hodshon. 1,558,168; Oct. 20.
Batteries, Indicating device for storage. R. N. Chamberlain. 1,558,076; Oct. 20.
Batteries, Making dry. B. H. Teitelbaum. 1,558,413; Oct. 20.
Batteries of wheeled vehicles, Charging the storage. G. Eckman and A. W. Moore. 1,557,570; Oct. 20.
Battery: *See*—
Storage battery.



Battery. W. L. Whidden and L. McCartney. 1,557,952; Oct. 20.
Battery box. J. B. Mattson. 1,558,384; Oct. 20.
Battery clip, Storage. H. E. Walker. 1,558,431; Oct. 20.
Bearing. J. Kirner. 1,557,848; Oct. 20.
Bearing and coupling, Sectional shaft. G. M. Eames and I. F. Webb. 1,557,569; Oct. 20.
Bearings, Workholder and tool mounting for use in finishing. E. F. Robertson and J. H. Fraser. 1,558,045; Oct. 20.
Bed attachment, Automobile. J. A. McBrady. 1,558,027; Oct. 20.
Bed, Cabinet. O. C. Henry. 1,558,012; Oct. 20.
Bed, Folding. J. P. Hartman. 1,558,356; Oct. 20.
Bed, Invalid. J. W. Crawford. 1,557,662; Oct. 20.
Bedstead and like joint. W. Bachmann. 1,558,216; Oct. 20.
Bellows, Wind-inducing. C. E. Cameron. 1,557,978; Oct. 20.
Belt, Vest. A Botkin. 1,558,228; Oct. 20.
Bench and table, Folding. E. G. Haney. 1,558,087; Oct. 20.
Bending brake. T. J. Kelleher. 1,558,180; Oct. 20.
Berry box or container. P. Flansburg. 1,558,155; Oct. 20.
Beverage extract. B. H. Ziehler. 1,557,917; Oct. 20.
Billiard-cue bridge. G. Logan. 1,558,024; Oct. 20.
Binder. E. P. Renson. 1,557,550; Oct. 20.
Binder. L. C. Green. 1,558,350; Oct. 20.
Binder, Loose-leaf. J. C. Dawson. 1,558,246; Oct. 20.
Birdcage stand. L. J. Leon. Des. 68,537; Oct. 20.
Blanket, Cow. G. C. Rasch. 1,558,117; Oct. 20.
Blotter, Check-book. O. H. Halverson. 1,558,354; Oct. 20.
Blowing device. R. G. Dyson and H. S. Plummer. 1,557,994; Oct. 20.
Boat. F. D. Doty. 1,557,990; Oct. 20.
Boiler: *See*—
Steam boiler.
Boilers, Baffle for. J. Prentice. 1,557,874; Oct. 20.
Boilers, Baffling for. J. B. Crane. 1,558,344; Oct. 20.
Boilers, Mud ring for. H. V. Yowell. 1,557,752; Oct. 20.
Boilers, Soot blower for. L. J. Bayer. 1,557,792; Oct. 20.
Bolt machine. J. A. Eden, jr. 1,558,441; Oct. 20.
Book cover. J. Schade. 1,557,883; Oct. 20.
Bookkeeping apparatus. C. Michalsen. 1,558,198; Oct. 20.
Boom. G. Holmes. 1,557,697; Oct. 20.
Boot or shoe. A. Lindgren. 1,558,192; Oct. 20.
Bootblack stand. F. Infelise. 1,558,171; Oct. 20.
Boots and shoes, Manufacture of. L. H. Burrows. 1,557,977; Oct. 20.
Bottle receptacle, Milk. C. W. Lyons. 1,558,026; Oct. 20.
Bottles or other containers, Cap for. L. R. N. Carvalho. 1,557,653; Oct. 20.
Bowl, Separator. E. V. Larson and H. Lindeberg. 1,557,851; Oct. 20.
Box: *See*—
Battery box. Flusher box.
Cigar box. Locomotive driving box.
Flower box. Window box.
Box. J. Montgomery. Des. 68,539; Oct. 20.
Brace: *See*—
Radius-rod brace.
Bracket: *See*—
Automobile curtain bracket. Piano-action bracket.
Lamp bracket. Staging bracket.
Wheel bracket.
Bracket, Wall. G. Shenkel. Des. 68,549; Oct. 20.
Braiding machine. G. Perron. 1,558,039; Oct. 20.
Brake: *See*—
Automobile brake. Trailer brake.
Bending brake. Vehicle brake.
Brake. H. Ford. 1,557,575; Oct. 20.
Brake-control mechanism for automobiles, Automatic. L. T. Harrigan. 1,557,689; Oct. 20.
Brake-operating device for trailers. A. L. Parrish. 1,557,770; Oct. 20.
Brake shoe. M. R. De France. 1,557,667–9; Oct. 20.
Brake shoes, Making. M. B. De France. 1,557,670–1; Oct. 20.
Brassière. G. M. P. Yerkes. 1,558,138; Oct. 20.
Bread slicer. H. Stukart. 1,557,893; Oct. 20.
Brooder. J. F. Distel and F. Klenken. 1,557,925; Oct. 20.



Broom heads, Holder for. I. J. Hollensbe and E. F. Shelley. 1,557,840; Oct. 20.
Brush handle. H. Cave and C. P. Manning. 1,557,655; Oct. 20.
Brush mechanism, Adjustable rotary. E. Bertone. 1,557,551; Oct. 20.
Bucket-box construction. A. Davis, jr. 1,557,565; Oct. 20.
Bucket construction, Well. T. R. Frattallone. 1,557,823; Oct. 20.
Buckle, Belt. M. Starmer. 1,557,624; Oct. 20.
Buckle, Clamping. A. H. Kerngood. 1,557,761; Oct. 20.
Building form. F. L. Decker. 1,558,247; Oct. 20.
Bumper. H. G. Stump. 1,558,411; Oct. 20.
Bumper-supporting means. W. E. Dunston. 1,558,253; Oct. 20.
Burglar alarm. A. K. Bodenhorn. 1,558,427; Oct. 20.
Burner: *See*—
Fuel burner. Oil burner.
Burning fuel, Method of and apparatus for. J. B. Sword. 1,557,741; Oct. 20.
Button blanks, Machine for cutting. P. F. Dusha, and A. and E. Feyk. 1,558,254; Oct. 20.
Button, Collar. C. J. Kelley. 1,558,370; Oct. 20.
Button, Cuff. A. R. Glidden. 1,558,084; Oct. 20.
Cabinet. H. M. Stienecker. 1,558,409; Oct. 20.
Cable, Towing. N. O. Couts. 1,557,806; Oct. 20.
Cableway-skidding machine. J. R. McGiffert. 1,558,105; Oct. 20.
Calcining and clinkering, Continuous method and apparatus for. R. D. Pike. 1,557,873; Oct. 20.
Calendar. P. O. Lauer. 1,558,020; Oct. 20.
Camera. L. W. Lessler. 1,558,100; Oct. 20.
Camera, Aeroplane. N. Pedersen. 1,558,272; Oct. 20.
Cameras in airplanes, Dust shutter for. E. A. Barre and L. A. Kepler. 1,557,791; Oct. 20.
Can: *See*—
Tear-open can.
Can opener. J. Jones. 1,558,176; Oct. 20.
Can opener. T. A. Killman. 1,558,372; Oct. 20.
Candy box. J. E. Christensen and H. P. McNerney. Des. 68,510; Oct. 20.
Cap, Antibaldness. G. S. MacLeod. 1,557,762; Oct. 20.
Car. H. E. Hodgson. 1,557,587; Oct. 20.
Car body. F. M. Whyte. 1,558,323; Oct. 20.
Car feeder. R. S. Sharpnack. 1,557,784; Oct. 20.
Car roof. T. N. Russell. 1,558,291; Oct. 20.
Cars, Removable deck floor for live-poultry. R. Bentley. 1,558,224; Oct. 20.
Carburetor. G. F. Ritter. 1,557,618; Oct. 20.
Carburetor. H. O. Cram. 1,557,657; Oct. 20.
Carburetor chokes, Adjustment for. H. Langer. 1,558,098; Oct. 20.
Card, Record. B. J. Craig. 1,557,924; Oct. 20.
Cards, Playing. W. S. Bowman. 1,558,229; Oct. 20.
Carline. J. A. Costello. 1,558,289; Oct. 20.
Carriage runner. F. O. Brooks. 1,558,338; Oct. 20.
Carrier: *See*—
Luggage carrier.
Carrier frequency arrangement. H. A. Affel. 1,557,544; Oct. 20.
Cartridge, Loaded shot. C. L. R. Holden. 1,557,696; Oct. 20.
Cartridge, Shot. C. L. Holden. 1,557,695; Oct. 20.
Case: *See*—
Vanity case.
Casings, Manufacturing shrink-head. F. H. Chapin. 1,558,237; Oct. 20.
Casting apparatus. G. K. Thompson. 1,558,314; Oct. 20.
Casting of precious metals, Press of the compressed-air type for the. R. V. Ninck. 1,558,201; Oct. 20.
Catalytic reactions, Producing. H. E. Haggenmacher. 1,557,687; Oct. 20.
Cellulose fibrous materials out of liquids, Compacting batting or felting. W. F. Boysen. 1,557,797; Oct. 20.
Cement blocks, Making inlaid. A. E. Pearson. 1,557,723; Oct. 20.
Cementing apparatus. J. W. Cosgrove. 1,557,560; Oct. 20.
Centrifugal concentrator. H. A. Doerner. 1,557,672; Oct. 20.
Centrifugal manufacture of articles. C. W. Watson. 1,558,067; Oct. 20.
Chain link, Adjustable. W. E. Weeks. 1,558,068; Oct. 20.
Chair: *See*—
Folding chair. Water-closet chair.
Chair. M. C. Graff. Des. 68,529; Oct. 20.
Chair. W. E. Kidder. 1,558,181; Oct. 20.
Chandelier. H. Tepfer. Des. 68,554; Oct. 20.
Chandelier. J. A. Boehringer. Des. 68,507; Oct. 20.
Check, Restaurant. C. T. Raschick. 1,557,613; Oct. 20.
Cheese cutter, Long-horn. W. C. Livingston. 1,558,377; Oct. 20.
Chimneys and the like, Producing mechanical drafts in. G. J. A. L. Prat. 1,558,438; Oct. 20.
Cigar box. R. W. Taylor. 1,557,898; Oct. 20.
Cigar lighter. E. Simon. Des. 68,551; Oct. 20.
Cigarettes, Apparatus for feeding. W. Rose. 1,558,398; Oct. 20.
Cinematographic apparatus, Acoustic. J. Engl, J. Massolle, and H. Vogt. 1,557,678; Oct. 20.
Cinematography, Arrangement for acoustic. J. Massolle, H. Vogt, and J. Engl. 1,558,032; Oct. 20.
Circuit-breaker system, Automatic reclosing. A. E. Anderson. 1,558,448; Oct. 20.
Circuit-breaking device, Automatic. G. Lieb. 1,558,101; Oct. 20.
Cistern cut-off. J. P. Olson. 1,558,203; Oct. 20.
Clamp: *See*—
Door clamp. Wire-rope-drilling clamp.
Clamping band. J. P. M. Malleville. 1,557,718; Oct. 20.
Cleaner: *See*—
Pipe cleaner. Vacuum street cleaner.
Vacuum cleaner.
Clip: *See*—
Battery clip.
Closure operator. J. P. Becker. 1,557,549; Oct. 20.
Clutch, Sliding-jaw. J. A. Bried. 1,558,074; Oct. 20.
Coat. T. Davis. Des. 68,520; Oct. 20.
Cobalt from nickel, Separating. C. G. Richardson. 1,557,879; Oct. 20.
Collars and neckties, Rack for. A. Dombrowsky. 1,557,989; Oct. 20.
Comb. G. H. Nevius. Des. 68,540; Oct. 20.
Combination lock. J. L. Fouts. 1,558,080; Oct. 20.
Combustion engine, piston, and bearing. E. J. Elsas. 1,557,818; Oct. 20.
Compound, Making cooking. F. D. Williams. 1,558,069; Oct. 20.
Compressed-air containers and making the same, Sealing liquid for. S. Freedman. 1,558,008; Oct. 20.
Compressor. E. C. Anderson. 1,557,547; Oct. 20.
Compressor. G. F. Knox. 1,557,706; Oct. 20.
Compressor for fluids. P. Jouanneaux. 1,557,936; Oct. 20.
Compressor, Lubricant. E. W. Davis. 1,558,244; Oct. 20.
Concrete building form. H. C. Riesbol. 1,558,395; Oct. 20.
Concrete plaque and making same. I. M. Washington. 1,557,748; Oct. 20.
Concrete ribbed ceiling with hollow or light blocks, Crosswise-reenforced. M. Galke. 1,557,759; Oct. 20.
Concrete structure. R. McWilliams. 1,557,717; Oct. 20.
Concrete structure, Reenforced. D. Davidson. 1,557,665; Oct. 20.
Concrete tile. J. W. Warren. 1,558,129; Oct. 20.
Condenser, Electrical. W. H. Priess. 1,558,043; Oct. 20.
Condenser stacks, Machine and method for building electrical. W. H. Priess. 1,557,724; Oct. 20.
Condenser, Vapor. K. Baumann. 1,558,220; Oct. 20.
Condenser, Variable electrical. J. A. Proctor. 1,557,725; Oct. 20.
Condensers, Water distributer for. N. H. Hiller. 1,557,888; Oct. 20.
Confection-coating machine. A. L. Bausman. 1,557,944; Oct. 20.
Construction material. D. Finley. 1,558,005; Oct. 20.
Container. H. F. Geiger. 1,557,826; Oct. 20.
Container, Grass-seed. R. L. Roehrs. 1,558,396; Oct. 20.
Container, Nonrefillable. C. C. Fredericks. 1,557,577; Oct. 20.
Container, Pressed steel. C. Burton. 1,558,235; Oct. 20.
Control mechanism, Drive. B. B. Farnham. 1,557,999; Oct. 20.
Conveyer. G. B. Reisbach. 1,557,944; Oct. 20.
Conveyer, Elevating and lowering. P. C. Russell. 1,557,776; Oct. 20.
Conveyer systems, Stop device for. F. B. Peebles. 1,557,772; Oct. 20.
Conveying and packing table. W. H. Jaenicke. 1,558,014; Oct. 20.
Conveying device. K. Kiefer. 1,558,016; Oct. 20.
Cooker, Meat. H. C. Zaun. 1,557,753; Oct. 20.
Cord arm. F. F. Palmore. 1,557,769; Oct. 20.
Core. H. F. Maranville. 1,558,381; Oct. 20.
Corn-husking machines, Operating the rolls of. T. H. Oppenheim and B. Selhorst. 1,557,768; Oct. 20.
Couch and the like, Folding. F. L. H. Sims. 1,558,301; Oct. 20.
Coupling: *See*—
Flexible coupling. Self-gripping adjustable coupling.
Pipe coupling.
Pump-shaft-casing coupling.
Cruet. E. O. Parker. Des. 68,542; Oct. 20.
Crusher. B. H. Smartt. 1,558,302; Oct. 20.
Crushing machine. C. L. Smith. 1,557,623; Oct. 20.
Cuffing machine. J. A. Fleischli. 1,557,680; Oct. 20.
Cultivator. R. L. Guthrie. 1,558,352; Oct. 20.
Cutter: *See*—
Cheese cutter. Vegetable cutter.
Food cutter. Weed cutter.
Cutter. S. L. Jones. 1,558,369; Oct. 20.
Cycle-control mechanism. R. M. Galloway and P. C. Burton. 1,557,928; Oct. 20.
Decolorizing liquids and making the same, Material for. P. L. Wooster. 1,558,137; Oct. 20.
Dental film support. W. A. Bonar and H. F. Emerson. 1,557,796; Oct. 20.
Dental gauge. J. A. Devine. 1,557,988; Oct. 20.
Dentifrice receptacle. F. H. McEnaney. 1,558,195; Oct. 20.
Deodorant composition. A. G. Smith. 1,558,405; Oct. 20.
Detonator. B. K. Glass. 1,558,260; Oct. 20.

Die. M. De Lin. 1,558,345; Oct. 20.
Die roller. D. G. Simpson. 1,558,206; Oct. 20.
Digger: *See*—
Peanut digger.
Dip tank. M. B. Bulger. 1,557,799; Oct. 20.
Dispensing stand, Drink-. H. J. McCue. 1,558,028; Oct. 20.
Display card, Sample-. H. L. Kalish. 1,557,593; Oct. 20.
Display container, Jewelry-. E. I. Rogers, jr. Des. 68,546; Oct. 20.
Display holder for bottled goods. R. C. Luly and R. I. Roby. 1,557,598; Oct. 20.
Dog mange, Composition for the treatment of. L. L. Taylor. 1,557,897; Oct. 20.
Doll. G. G. Drayton. Des. 68,524; Oct. 20.
Doll, Aquatic. A. E. Murphy. 1,558,200; Oct. 20.
Doll, Rag. A. Brückner. 1,558,232; Oct. 20.
Door clamp. L. J. Barger. 1,557,963; Oct. 20.
Door-holding device. N. J. Anderson. 1,557,645; Oct. 20.
Doorlock. J. B. Lebrun. 1,558,099; Oct. 20.
Door opener, Automatic garage-. C. A. Carlson. 1,557,922; Oct. 22.
Door, Safety. C. H. Lucking. 1,558,193; Oct. 20.
Double-tube connection. R. H. Smickle. 1,558,303; Oct. 20.
Drag. C. H. Heitstuman. 1,557,584; Oct. 20.
Drain, Automatic. L. H. Peterson. 1,558,276; Oct. 20.
Drawer handle. G. H. Gray. Des. 68,530; Oct. 20.
Drawing device. H. Phares. 1,558,041; Oct. 20.
Dredge. H. L. Larson. 1,557,708; Oct. 20.
Dress. M. Siegel. Des. 68,550; Oct. 20.
Dresser and wardrobe, Combined vanity. J. A. Anderson. 1,557,959; Oct. 20.
Drill cutting, Dump receptacle for. P. Walsh. 1,558,128; Oct. 20.
Drilling machine. M. G. Carpenter. 1,557,556; Oct. 20.
Drills, Steel bit for rock. A. Terrill. 1,557,743; Oct. 20.
Drying apparatus. D. V. Sherban. 1,558,119; Oct. 20.
Drying materials, Process of and apparatus for. H. Buel. 1,557,921; Oct. 20.
Dump body. J. F. Wright. 1,558,424; Oct. 20.
Dump controller, Rotary-. W. R. Coleman. 1,557,659; Oct. 20.
Dyestuff, and making same, Vat. J. G. Dinwiddie. 1,558,252; Oct. 20.
Earpiece. B. Lindemann. 1,558,191; Oct. 20.
Electric circuits. R. C. Mathes. 1,557,860; Oct. 20.
Electric heater. M. S. Gazelle. 1,557,682; Oct. 20.
Electric iron. A. R. Cheeseman. 1,558,077; Oct. 20.
Electric-lighting fixture. E. Brandt and H. J. Barton. Des. 68,509; Oct. 20.
Electric machine, Dynamo-. F. Kratz and M. Schäfer. 1,558,095; Oct. 20.
Electric relay. H. Chireix. 1,558,144; Oct. 20.
Electric switch. C. D. Platt. 1,558,116; Oct. 20.
Electric switch. G. B. Thomas. 1,558,415; Oct. 20.
Electric switch, Thermally-actuated. P. W. Baker. 1,558,331; Oct. 20.
Electric writer. R. Gunsco. 1,558,351; Oct. 20.
Electrical discharge apparatus. I. Langmuir. 1,558,437; Oct. 20.
Electrical discharge apparatus and preparing and using the same. I. Langmuir. 1,558,436; Oct. 20.
Electrical switch. L. A. M. Phelan and C. Hotchkiss. 1,558,277; Oct. 20.
Electricity meter, Electrolytic. M. Grossmann. 1,557,931; Oct. 20.
Electrocentrifugal separator. A. Marx. 1,558,882; Oct. 20.
Electrodeposition process. A. J. Cawley. 1,557,980; Oct. 20.
Electrolyzer for alkaline chlorides, Circulation. F. Giordani and U. Pomilio. 1,558,085; Oct. 20.
Elevator: *See*—
Endless elevator. Water elevator.
Pipe elevator.
Elevators, Safety locking apparatus for. H. V. McCormick. 1,557,857; Oct. 20
Embossing machine. C. Chisholm. 1,557,754; Oct. 20.
Embossing machines, Delivery mechanism for. W. J. Demming. 1,557,811; Oct. 20.
Embossing-press type and strip holder. B. L. Akins. 1,557,542; Oct. 20.
Embossing presses, Fabric-delivering mechanism for. S. M. Ford. 1,558,156; Oct. 20.
Embroidery machines, Central suspension for the movable fabric frames of. G. Sieber. 1,557,786; Oct. 20.
Endless elevator. M. Searles. 1,558,300; Oct. 20.
Engine: *See*—
Internal-combustion engine.
Engine. E. Behringer and L. Hatch. 1,558,223; Oct. 20.
Engines, Automatic adjuster for wrist-pin bearings for automobile and gas. H. F. Joseph. 1,558,444; Oct. 20.
Engines, Cooling system for internal-combustion. J. V. Giesler. 1,558,009; Oct. 20.
Engines, Cylinder head of internal-combustion. V. Archaouloff. 1,558,214; Oct. 20.
Engines, Dashpot-controlled air valve for internal-combustion. W. A. Edwards. 1,557,674; Oct. 20.
Engines, Gasket for internal-combustion. W. Robertson. 1,557,775; Oct. 20.
Engines, Oil feeder for internal-combustion. A. E. Nicholls. Re16,189; Oct. 20.
Engines, Parallel crank motion for radial. C. I. Preston. 1,557,875; Oct. 20.
Engines, Piston for internal-combustion. H. F. Joseph. 1,558,443; Oct. 20.
Engines, Piston for internal-combustion. H. R. Young. 1,557,643; Oct. 20.
Engines, Reversing gear for locomotive. S. H. Hunter. 1,558,363; Oct. 20.
Engines, Vent valve for. J. A. Charter. 1,558,238; Oct. 20.
Envelope. M. I. Snape. 1,558,306; Oct. 20.
Envelope and carton. M. I. Snape. 1,558,305; Oct. 20.
Evaporation, Method of. A. W. Lissauer. 1,558,022; Oct. 20.
Evener mechanism. F. D. Langevin and R. S. Curley. 1,558,188; Oct. 20.
Exhibition of pictures, announcements, and the like, Apparatus for. J. Evans. 1,558,151; Oct. 20.
Eyecup. H. Robinson. 1,557,620; Oct. 20.
Fan, Electric. M. M. Glasser. 1,557,683; Oct. 20.
Fastener. G. H. Ennis. 1,557,996; Oct. 20.
Fastener-inserting device. T. J. Johnston. 1,557,845; Oct. 20.
Fastening-inserting machine. J. W. Cosgrove. 1,557,561; Oct. 20.
Faucet. J. F. Davis. 1,558,245; Oct. 20.
Felt, etc., Mothproof. B. A. Stagner. 1,558,122; Oct. 20.
Fender. A. M. Leisse. 1,557,709; Oct. 20.
Fibrous mass impregnated with a phenolic consideration product, Producing a. F. S. Smith. 1,557,730; Oct. 20.
Fibrous material, Process and mechanism for impregnating. L. S. Newell. 1,558,271; Oct. 20.
Filter. H. S. Hele-Shaw. 1,557,585; Oct. 20.
Filter. W. D. Mount. 1,558,038; Oct. 20.
Finger ring, Adjustable. F. B. Wendel. 1,558,418; Oct. 20.
Fire-controlling aparatus. G. I. Rockwood. 1,558,047; Oct. 20.
Fire extinguishers, Lid for. C. Graaff. 1,558,349; Oct. 20.
Firearm. C. G. Swebilius. 1,557,627; Oct. 20.
Firearms, Combined stock extension and holster for. T. W. Neel and A. G. Shaffer. 1,557,865; Oct. 20.
Fireplace basket. G. W. Donley. Des. 68,523; Oct. 20.
Fishhook. J. Sawyers. 1,558,295; Oct. 20.
Fish lure and making same. E. H. Peckinpaugh. 1,557,771; Oct. 20.
Fishing nets in width and height, Opening. A. V. A. Robert. 1,557,728; Oct. 20.
Fishing reel. G. A. Swasey. 1,558,310; Oct. 20.
Fishing tool, Electromagnetic. C. H. Beach. 1,558,447; Oct. 20.
Flash-light holder. L. J. Voorhees. 1,557,746; Oct. 20.
Flatiron, Electric. P. Szent. 1,558,312; Oct. 20.
Flexible coupling. C. E. Anderson. 1,557,958; Oct. 20.
Float alarm. C. J. Davidson. 1,558,147; Oct. 20.
Float-ball regulator. J. A. Jung. 1,558,178; Oct. 20.
Floor covering, Metallic. S. C. Cary. 1,557,800; Oct. 20.
Floor coverings, Machine for folding and attaching ribbons to the edges of. W. M. Mathes. 1,558,383; Oct. 20.
Flower box. D. Henley. 1,558,357; Oct. 20.
Flowerpot. W. R. Little. 1,557,712; Oct. 20.
Fluid-measuring apparatus. J. R. Armstrong. 1,557,900; Oct. 20.
Fluids, Device for controlling the flow of. H. S. Gano and M. C. Terry. 1,558,081; Oct. 20.
Flusher box. F. D. Chase. 1,557,656; Oct. 20.
Flushing device. C. E. Chittenden. 1,558,342; Oct. 20.
Fly-exit device. E. Lynch. 1,558,102; Oct. 20.
Fly screen. E. I. Wallace. 1,557,909; Oct. 20.
Flytrap. J. V. De Witt. 1,558,251; Oct. 20.
Folding chair. A. F. Derse and W. B. Wilshusen. 1,557,813; Oct. 20.
Folding-chair hinge. A. F. Derse and W. B. Wilshusen. 1,557,814; Oct. 20.
Folding machine. J. C. Ringe. 1,557,617; Oct. 20.
Food cutter. W. G. Mansuy. 1,558,197; Oct. 20.
Frame: *See*—
Saw frame.
Frequency selective device. G. Crisson. 1,557,562; Oct. 20.
Fruits and vegetables, Prevention of decay in. H. R. Fulton and J. J. Bowman. 1,557,757–8; Oct. 20.
Fuel burner. M. E. and T. S. Page. 1,558,283; Oct. 20.
Fuel-feeding apparatus. A. C. Pilcher, J. F. Babbitt, and J. V. Pilcher. 1,557,773; Oct. 20.
Fuel vaporizer, Heavy-. C. P. Brockway. 1,558,230; Oct. 20.
Fuller's earth, Revivifying. F. W. Hall. 1,558,162–3; Oct. 20.
Furfural product and making same. C. Ellis. 1,558,442; Oct. 20.
Furnace *See*—
Roasting furnace.
Furnace casing. L. F. Sargent. 1,558,400; Oct. 20.
Furnace of the tilting type, Melting. P. Dhé. 1,558,250; Oct. 20.
Furnaces, Feeding device for. A. Pastrnák. 1,557,722; Oct. 20.
Furnaces, Tapping machine for stationary open-hearth. W. B. Witkowski. 1,557,958; Oct. 20.
Furs, Preparing. H. Post. 1,558,279; Oct. 20.





Fuse box and making same. W. D. Kyle. 1,557,707; Oct. 20.
Fuse plug. A. Goemann. 1,558,010; Oct. 20.
Game. J. C. Atkin. 1,557,788; Oct. 20.
Game. E. F. Fritz. 1,557,824; Oct. 20.
Game apparatus. J. W. Hanley. 1,558,088; Oct. 20.
Game apparatus. H. Roman. 1,558,288; Oct. 20.
Game board. J. A. Scott. Des. 68,547; Oct. 20.
Game, Card. J. Hino and K. Shindo. 1,557,694; Oct. 20.
Game, Educational. G. Gittens. 1,558,083; Oct. 20.
Game table. T. R. Treiber. 1,558,209; Oct. 20.
Games, Tile rack for playing. N. D. Pool and A. J. Leveque. 1,557,774; Oct. 20.
Garment hanger. I. N. Cave. 1,558,075; Oct. 20.
Garment hanger. M. A. Heimann. 1,557,835; Oct. 20.
Gas apparatus, Water-. L. S. Stiles. 1,558,125; Oct. 20.
Gas, Manufacture of illuminating. L. S. Stiles. 1,558,124; Oct. 20.
Gaseous mixtures, Separation of the constituents of. C. C. Van Nuys. 1,557,907; Oct. 20.
Gasoline gauge. J. V. Dilley. 1,557,568; Oct. 20.
Gasoline-level gauge. F. B. Newell. 1,557,867; Oct. 20.
Gate: *See*—
Loading gate.
Gate fastener, End-. D. G. Vannorsdel. 1,557,906; Oct. 20.
Gauge: *See*—
Air gauge. Micrometer gauge.
Dental gauge. Oil gauge.
Gasoline gauge. Precision gauge.
Gasoline-level gauge.
Gauge, flexible type, Precision. C. G. Kallensee. 1,557,846; Oct. 20.
Gear drive. I. Short. 1,558,054; Oct. 20.
Gear oiler, Chain-. A. H. Weaver. 1,557,910; Oct. 20.
Gear, Vehicle spring. L. A. Morines and J. T. Harcharik. 1,558,387–8; Oct. 20.
Gears, Back lash take-up for. A. Beetow. 1,558,222; Oct. 20.
Gears, Holder or support for brake. S. J. Strid. 1,557,738; Oct. 20.
Gears, Machine for rolling. C. O. Gustavsen. 1,558,086; Oct. 20.
Gears, Mounting for brake. S. J. Strid. 1,557,733–7; Oct. 20.
Glass-forming machines, Blank-centering device for. R. La France. 1,557,850; Oct. 20.
Glass, Machine for grooving. G. P. Herrick. 1,558,167; Oct. 20.
Glazing machine. A. H. Greene. 1,557,760; Oct. 20.
Golf balls, Tee for. T. C. Futers and C. J. Forrester. 1,558,150; Oct. 20.
Golf-tee marker. E. A. Darby. 1,558,078; Oct. 20.
Gramophone disk records, Manufacture of. F. W. Jones, jr. 1,558,175; Oct. 20.
Gramophones, Microphone transmitter for. P. E. Davenport. 1,557,664; Oct. 20.
Grinder and shredder. H. J. Shelton. 1,557,888; Oct. 20.
Grinding fodder, straw, or similar rough food for stock, Apparatus for. J. N. Rice. 1,558,394; Oct. 20.
Gum-massage preparation. C. M. Gearhart. 1,558,160; Oct. 20.
Gun-laying apparatus. P. Kaminski. 1,557,702; Oct. 20.
Gun, Sporting. R. v. Frommer. 1,558,158; Oct. 20.
Guns, Blast tube for machine. W. R. Fletcher. 1,557,820; Oct. 20.
Guns, Fire-control apparatus for naval. W. Akemann. 1,557,545; Oct. 20.
Gutter mount. C. Meunier. 1,558,385; Oct. 20.
Hair-curling device. M. J. McGowan. 1,558,106; Oct. 20.
Handle: *See*—
Brush handle. Tool handle.
Hanger: *See*—
Garment hanger. Trousers hanger.
Harrow, Disk. C. H. White. 1,558,321; Oct. 20.
Harrow, Disk. C. H. White. 1,558,132; Oct. 20.
Harrow mechanism, Disk-. C. H. White. 1,558,131; Oct. 20.
Harrow mechanism, Disk-. C. H. White. 1,558,320; Oct. 20.
Hat, Adjustable head-size. M. Brenner. 1,558,142; Oct. 20.
Headlight. F. Buchanan. 1,557,555; Oct. 20.
Headlight. G. Cook. 1,558,348; Oct. 20.
Headlight, Control mechanism for. E. B. Kaylor. 1,557,987; Oct. 20.
Headlight dimming and compensating means, Electric. J. R. McFarlin and E. G. McAllister. 1,557,716; Oct. 20.
Headlight, Dirigible. L. King and O. Croissetiere. 1,557,939; Oct. 20.
Headlight mounting, Movable-. F. L. Thompson. 1,557,901; Oct. 20.
Heat-exchange apparatus. H. J. Zimmerman. 1,558,189; Oct. 20.
Heat-generating composition. J. M. Dennison. 1,558,248; Oct. 20.
Heater: *See*—
Electric heater.
Heating device, Soot-blowing apparatus for regenerative. F. Ljungström. 1,558,445; Oct. 20.
Heel, Shoe. N. Daquino. 1,557,564; Oct. 20.
Heel, Shoe. E. T. Packard. Des. 68,541; Oct. 20.
Hinge. J. Soss. Re16,187; Oct. 20.
Hinge. R. Ewing. 1,557,572; Oct. 20.
Hoisting apparatus, Safety mechanism for. E. J. Powers. 1,558,042; Oct. 20.
Hoisting hook. J. Clark. 1,557,802; Oct. 20.
Hook: *See*—
Hoisting hook. Safety hook.
Hooking rugs and the like, Machine for. J. A. Borrows and C. T. Sabine. 1,557,970; Oct. 20.
Hopper, Receiving and loading. H. G. Mead. 1,558,109; Oct. 20.
Horn, Mechanical. L. Chollet. 1,557,658; Oct. 20.
Humidity pan. W. J. Erickson. 1,557,997; Oct. 20.
Hypodermic syringe. G. N. Hein. 1,557,837; Oct. 20.
Hypodermic syringe with ampule-receiving piston. G. N. Hein. 1,557,836; Oct. 20.
Ice-cream freezer. P. Mademann. 1,557,600; Oct. 20.
Identification device. F. W. Snyder. 1,558,406; Oct. 20.
Ignition-circuit breaker. A. D. T. Libby and S. C. McKeown. 1,558,029; Oct. 20.
Ignition system. H. R. Davies. 1,557,566; Oct. 20.
Illuminating mechanism. J. T. Siefert. 1,557,729; Oct. 20.
Incubator. M. T. Morgan. 1,558,199; Oct. 20.
Index file, Card. L. R. Lewis and J. J. Colvin. 1,558,376; Oct. 20.
Indicator: *See*—
Piston-position indicator. Weight indicator.
Time indicator.
Insecticide-applying machine, Dust-. J. C. Hull. 1,558,362; Oct. 20.
Insole. W. B. White. 1,557,639; Oct. 20.
Insulating wires, Sliver for. W. E. Cook. 1,557,803; Oct. 20.
Interlocked joint. J. H. Kluender. 1,558,184; Oct. 20.
Internal-combustion engine. W. Lennon. 1,557,710; Oct. 20.
Internal-combustion engine. A. J. Mets. 1,557,763; Oct. 20.
Internal-combustion engine. F. D. Shepherd. 1,557,785; Oct. 20.
Internal-combustion-engine piston. U. B. Earnshaw. 1,557,995; Oct. 20.
Iron: *See*—
Electric iron.
Iron ventilator, Galvanized-. C. H. Lauerman. 1,557,852; Oct. 20.
Ironer. C. L. Schwartz. 1,558,298; Oct. 20.
Jacks, Telescoping handle for lifting. J. A. Morrison. 1,558,114; Oct. 20.
Jars, Closure means for. W. E. Braden. 1,558,335; Oct. 20.
Jewelry. I. E. Kalisher. 1,558,094; Oct. 20.
Joint: *See*—
Interlocked joint. Rail joint.
Jointing means. H. A. Jenkins. 1,557,589; Oct. 20.
Journal box for railway vehicles. J. G. Blunt. 1,557,968; Oct. 20.
Keto-alcohol resin and making the same. C. Ellis. 1,557,571; Oct. 20.
Knitting machines, Transfer mechanism for. L. N. D. Williams. 1,558,136; Oct. 20.
Lamp base. F. M. Katz. Des. 68,535; Oct. 20.
Lamp bracket, Adjustable. S. P. Hull. 1,557,699; Oct. 20.
Lamp, Electric-arc. M. J. Wohl. 1,558,422; Oct. 20.
Lamps, Fixture for rebasing. R. C. Leake. 1,558,373; Oct. 20.
Lamps of railway light signals, Mounting for incandescent. E. W. Moore. 1,558,386; Oct. 20.
Lamps, Regulation for arc. M. J. Wohl and M. Mayer. 1,558,423; Oct. 20.
Lamps, Support for incandescent. W. L. Bonte. 1,558,227; Oct. 20.
Landside, Rolling. T. Brown. 1,557,798; Oct. 20.
Last, Hinged. F. W. Millay. 1,558,269; Oct. 20.
Latch and lock for doors, Combined. W. F. Harrington. 1,557,581–2; Oct. 20.
Latch, Door. E. R. Farley. 1,557,927; Oct. 20.
Lawn sprinkler. C. W. Hart. 1,558,365; Oct. 20.
Leather repairing machine, Patent. F. M. Furber. 1,557,579; Oct. 20.
Lens. J. Dahlstrom. 1,557,563; Oct. 20.
Lens. S. J. Borchardt. 1,557,553; Oct. 20.
Lens, Ophthalmic. E. D. Tillyer. 1,557,631; Oct. 20.
Lens system, Objective. W. F. Bielicke. 1,558,073; Oct. 20.
Letter and like rack. S. Wassermann. 1,557,950; Oct. 20.
Licenses, etc., Holder for. T. R. Atkins. 1,558,213; Oct. 20.
Light and firearm, Combined. S. P. Cottrell. 1,557,805; Oct. 20.
Lighting fixtures, Loop for. F. S. Crowell. Des. 68,511–5; Oct. 20.
Lighting fixtures, Plate for. F. S. Crowell. Des. 68,516–9; Oct. 20.
Line-testing apparatus. C. D. Williams. 1,558,211; Oct. 20.
Lining. A. G. Sortie. 1,558,408; Oct. 20.
Linoleum-binding strip. A. A. Allen. 1,557,543; Oct. 20.

Loading gate, Automatic skip-. G. N. Simpson. 1,558,121; Oct. 20.
Lock: *See*—
Automobile lock. Rim lock.
Combination lock. Sash lock.
Lock. N. B. Hurd. 1,558,170; Oct. 20.
Lock. W. T. Blount. 1,557,967; Oct. 20.
Lock for switch stands. C. Pallone. 1,558,115; Oct. 20.
Lock wedge device. W. A. Sullivan. 1,557,740; Oct. 20.
Locking device. S. Raphael. 1,558,285; Oct. 20.
Locking device for mantle nuts. W. S. Weston. 1,557,951; Oct. 20.
Locomotive driving box. C. J. Mellin. 1,558,034; Oct. 20.
Looms with automatic cop-changing mechanism, Bobbin casing for. E. Schoch. 1,558,051; Oct. 20.
Lubricating system. A. Eichelberger. 1,557,675; Oct. 20.
Lubricating system. P. E. Tarlton. 1,558,313; Oct. 20.
Lubricator. E. McCoy. 1,558,266; Oct. 20.
Luggage carrier. J. F. Whitehead. 1,558,322; Oct. 20.
Lure, Artificial. H. L. De Zeng. 1,558,249; Oct. 20.
Machinery alarm. H. Amrhein. 1,557,957; Oct. 20.
Magnesium chlorides, Making anhydrous. P. Cottringer and W. R. Collings. 1,557,660; Oct. 20.
Magneto. P. Brown and T. G. Louis. 1,557,976; Oct. 20.
Magnifier. D. H. O'Meara. 1,557,605; Oct. 20.
Manhole covers, Lock for. A. Maddocks. 1,557,599; Oct. 20.
Manometers, Membrane for. P. Jatow. 1,558,173; Oct. 20.
Match holder. E. S. Boudinot. Des. 68,508; Oct. 20.
Meat-slicing machines, Clamp for. G. R. Wood. 1,558,325; Oct. 20.
Mechanical demonstrating machine. P. G. Graf. 1,557,685; Oct. 20.
Mechanical movement. W. T. Pringle. 1,558,393; Oct. 20.
Medical compound and manufacturing the same. O. A. Dafert-Sensel-Timmer. 1,558,241; Oct. 20.
Metal-coating apparatus. E. R. Millring. 1,558,035; Oct. 20.
Metal reenforcement, Machine for placing. J. W. Liversedge. 1,558,023; Oct. 20.
Metal stampings, Process and apparatus for the formation of. F. R. White. 1,558,419; Oct. 20.
Metal-working machines, Feeder for automatic. E. W. Duston and R. S. Crosby. 1,558,079; Oct. 20.
Meter: *See*—
Electricity meter.
Meters, Cover box for. S. Shanahan. 1,557,885; Oct. 20.
Micrometer gauge, Inside. H. Volis. 1,558,318; Oct. 20.
Milk and butter, Receptacle for. E. Magnuson and M. G. Smith. 1,558,196; Oct. 20.
Milk-can holder and milk dispenser. R. O. Moreida. 1,557,861; Oct. 20.
Mixing machine. C. W. Hodgson. 1,557,839; Oct. 20.
Mold: *See*—
Monument mold.
Mold. C. C. Jensen. 1,558,365; Oct. 20.
Molding apparatus. L. A. Paley. 1,558,284; Oct. 20.
Molding apparatus for the manufacture of tubular earthenware or stoneware articles. M. Martin. 1,558,030; Oct. 20.
Monument mold. L. Smith. 1,557,946; Oct. 20.
Mop-handle fixture. H. M. Sturgis. 1,557,894; Oct. 20.
Motor: *See*—
Tide motor.
Motor-carriage body. C. W. A. Hannebohn. 1,557,688; Oct. 20.
Motor mechanism, Pneumatic. A. Gottschalk. 1,557,684; Oct. 20.
Mower, Lawn. H. L. Thompson. 1,557,902; Oct. 20.
Mowing machines, Divider for. G. M. Green. 1,557,929; Oct. 20.
Music instructor for children. H. Fisher and D. Hoobler. 1,558,257; Oct. 20.
Nail. F. P. Leonard. 1,557,711; Oct. 20.
Nail, Furring. M. Ebinger. 1,558,150; Oct. 20.
Nap-raising machine. E. Wenzel. 1,557,750; Oct. 20
Navigation, Finding geographical position in. G. W. Littlehales. 1,557,834; Oct. 20.
Note sheet. C. F. Stoddard. 1,557,732; Oct. 20.
Nut-tapping machine. P. H. McCain. 1,557,715; Oct. 20.
Oil burner. M. Demyanovich. 1,558,148; Oct. 20.
Oil burner. R. E. Wood. 1,557,954; Oct. 20.
Oil gauge. B. Caspain. 1,557,654; Oct. 20.
Oil gauge. W. E. Crawford. 1,558,240; Oct. 20.
Oil tanks, Insulation for. L. A. Baldwin. 1,558,217; Oct. 20.
Oil, Treating wood-tar. A. E. Maze. 1,558,446; Oct. 20.
Oil-well drive shafts, Supporting device for. N. S. Burton. 1,558,236; Oct. 20.
Ophthalmic mountings, Parts for. E. L. Schumacher and W. H. Boutelle. 1,557,780; Oct. 20.
Ores, Reduction of. G. F. Greenwood. 1,558,262; Oct. 20.
Oxide of nitrogen, Producing. H. G. A. Ramsay. 1,558,046; Oct. 20.
Packing, Rod. C. A. Schlotter and M. T. Scholl. 1,557,945; Oct. 20.
Paintbrush protector. L. H. Brown and R. Malmgren. 1,558,339; Oct. 20.
Painting machine. L. Brown, jr. 1,557,975; Oct. 20.
Paints, Manufacture of. D. Gardner. 1,558,082; Oct. 20.
Pan: *See*—
Humidity pan.
Paper-roll holder. C. A. Jaderlund. 1,557,700; Oct. 20.
Paring machine, Vegetable-. H. Robinson. 1,558,286; Oct. 20.
Peanut digger. C. F. Wirsching. 1,558,070; Oct. 20.
Pen, Fountain. F. J. Grommes. 1,558,263; Oct. 20.
Pendulum torquemeter. J. Zubaty. 1,557,956; Oct. 20.
Phonograph. H. Rothkirch. 1,558,048; Oct. 20.
Phonographs, Reproducer for. C. G. Hensley. 1,558,013; Oct. 20.
Piano-action bracket. E. S. Rauworth. 1,557,614; Oct. 20.
Piano reroll stop, Player-. A. Tindle. 1,557,948; Oct. 20.
Picture machine, Motion-. H. Lubé. 1,557,597; Oct. 20.
Picture mechanism, Motion-. E. M. Reynolds. 1,557,727; Oct. 20.
Piles, Setting composite. M. M. Upson. 1,558,127; Oct. 20.
Pipe: *See*—
Tobacco pipe.
Pipe. D. Worthington. 1,557,641; Oct. 20.
Pipe cleaner, Waste and drain. H. Gunderson. 1,558,161; Oct. 20.
Pipe coupling. J. C. and R. F. Boss. 1,558,334; Oct. 20.
Pipe elevator. F. W. Grady. 1,558,261; Oct. 20.
Pipe-forming press, Clay-. S. L. Flournoy. 1,557,821; Oct. 20.
Piston. S. Coryell. 1,557,987; Oct. 20.
Piston. F. S. Painter. 1,557,871; Oct. 20.
Piston construction. L. M. Stellmann. 1,557,625; Oct. 20.
Piston-position indicator. A. I. Sandbo. 1,558,294; Oct. 20.
Piston ring. C. E. Johnson. 1,558,091–2; Oct. 20.
Piston ring, Antislap. B. W. Traylor. 1,557,745; Oct. 20.
Piston with adjustable ring. A. J. Miller. 1,558,112; Oct. 20.
Planter, Seed. O. H. Luebbing. 1,557,856; Oct. 20.
Plastic materials to molds, Preventing the sticking of. H. M. Weber. 1,558,440; Oct. 20.
Plate or like article. A. Friedrich. Des. 68,527–8; Oct. 20.
Plate or similar article of manufacture. H. G. Aitken. Des. 68,504–5; Oct. 20.
Plates with light-sensitive layers, Whirling device for. L. Mueller. 1,558,389; Oct. 20.
Platforms, Safety device for revolving. J. H. Tresider and C. M. Boss. 1,557,632; Oct. 20.
Pliers and wrench, Combined. J. N. Rylen. 1,558,399; Oct. 20.
Plumbers' testing plugs, Guide clamp for. O. Benshadle. 1,557,966; Oct. 20.
Plunger. R. A. Mueller. 1,557,720; Oct. 20.
Pneumatic tool. J. R. L. Santos. 1,557,777; Oct. 20.
Poison distributor. W. Schilplin. 1,558,439; Oct. 20.
Poke. A. W. Synogrond. 1,557,742; Oct. 20.
Poles, Apparatus for erecting. J. H. Ware, jr. 1,557,635; Oct. 20.
Pool-ball racker. N. O. Oard. 1,557,868; Oct. 20.
Position finding by astronomical observation, Means and method of. J. P. Van Zandt. 1,558,317; Oct. 20.
Position-revealing system. J. H. Hammond, jr. 1,557,832; Oct. 20.
Poultry feeder. J. E. Tipple. 1,558,316; Oct. 20.
Powder-box opener. J. Blackwell. 1,557,794; Oct. 20.
Power plant, Rotary. A. Chaussepied. 1,557,557; Oct. 20.
Power press. B. J. Yanchenko. 1,558,433; Oct. 20.
Power take-off. H. W. Sweet. 1,557,628; Oct. 20.
Preservation of objects of animal origin, meat, fowl, fish, etc., Process and apparatus for the. G. Scheib. 1,557,779; Oct. 20.
Press: *See*—
Pipe-forming press. Power press.
Pressure-controlling mechanism. H. C. Thrift. 1,558,064; Oct. 20.
Pressure regulator, Sylphon type. A. C. Foulk. 1,557,822; Oct. 20.
Printed fabric. L. Bluhm. Des. 68,506; Oct. 20.
Printers' proofs, Device for taking. C. Chisholm. 1,557,756; Oct. 20.
Printing machine, Plate. R. Sattler. 1,558,123; Oct. 20.
Printing machines, Inking mechanism for. F. C. Marquart. 1,558,108; Oct. 20.
Printing, Multicolored. R. B. Barton. 1,558,219; Oct. 20.
Printing presses, Sheet adjuster for. H. S. Hornbeck. Re16,188; Oct. 20.
Printing strips, Mechanism for assembling. C. Chisholm. 1,557,755; Oct. 20.
Printing strips, Mechanism for assembling. W. J. Demming. 1,557,810; Oct. 20.
Printing words and figures on checks, dividend warrants, and the like, Machine for. J. H. Horner. 1,558,361; Oct. 20.
Protecting device. L. R. Johnson. 1,558,366; Oct. 20.
Pruners, Operating mechanism for. F. P. Gover. 1,557,580; Oct. 20.
Pump. D. H. Reeves. 1,557,878; Oct. 20.
Pump. G. Smith. 1,558,055; Oct. 20.
Pump. P. E. Vaughan. 1,558,417; Oct. 20.
Pump, Antifreezing. M. Walton. 1,557,949; Oct. 20.
Pump attachment. H. Mosbruch. 1,558,031; Oct. 20.
Pump, Casing for a gasoline-dispensing. W. S. Townsend. Des. 65,555; Oct. 20.





Pump-shaft-casing coupling. G. W. Price. 1,557,876; Oct. 20.
Pump shafts, Guide bearing for vertical. I. A. Oliver. 1,557,767; Oct. 20.
Pumps, Closure for sirup. A. Shacikoski. 1,558,403; Oct. 20.
Punch. H. Rosenberg. 1,558,289; Oct. 20.
Push-through switch. W. Ile. Des. 68,534; Oct. 20.
Puzzle. G. H. Haswell. 1,558,165; Oct. 20.
Puzzle or game. A. Wynne. 1,558,071; Oct. 20.
Rack: *See*—
Letter and like rack.
Radiocabinet. K. M. Turner. Des. 68,556; Oct. 20.
Radius-rod brace. W. G. Baldwin. 1,558,218; Oct. 20.
Radiator cap. L. A. Sweet. Des. 68,553; Oct. 20.
Radiator cap. J. F. White. 1,557,911; Oct. 20.
Radiators, Attachment for. W. C. Toellner. 1,558,416; Oct. 20.
Radio and phonographic amplifying resonator. W. C. Larson and C. P. Wegner. 1,558,189; Oct. 20.
Radio receiving system. F. G. Simpson. 1,558,120; Oct. 20.
Radiotoy. A. P. Farrow. 1,558,347; Oct. 20.
Railjoint. W. T. Williams. 1,557,912; Oct. 20.
Rails, Locking tie plate for. H. Podolsky. 1,558,204; Oct. 20.
Railway draft appliance. R. F. Hall. 1,557,982; Oct. 20.
Railway highway crossing. O. F. Jensen. 1,557,590; Oct. 20.
Railway-mail delivery and receiving apparatus. R. Bostick and W. E. Woodson. 1,557,971; Oct. 20.
Railway signal. H. E. Hodgson. 1,557,586; Oct. 20.
Railway signal. S. P. Hull. 1,557,698; Oct. 20.
Railway switch. P. Swanson. 1,557,626; Oct. 20.
Railway switch, Automatic. A. S. Norment. 1,557,766; Oct. 20.
Railway-track-rebalasting apparatus. P. Ursino. 1,557,908; Oct. 20.
Railway-track truss rod. W. W. Stephens. 1,558,307; Oct. 20.
Railway-traffic-controlling apparatus. L. V. Lewis. 1,558,190; Oct. 20.
Railway-traffic-controlling apparatus. H. M. Ryder. 1,558,050; Oct. 20.
Railway truck. H. M. Pfiager. 1,557,872; Oct. 20.
Razor-blade stropper. B. O. Fanslow. 1,558,152; Oct. 20.
Razor blades, Stropping device for safety. J. F. Magee. 1,557,601; Oct. 20.
Razor outfit, Toy safety-. G. A. Post. 1,557,612; Oct. 20.
Razor, Safety. I. Eklund. 1,557,676; Oct. 20.
Razor, Safety. J. J. Libi. 1,558,021; Oct. 20.
Razor, Safety. H. J. Maynard. 1,558,033; Oct. 20.
Razor, Safety. B. J. Steen. 1,557,889; Oct. 20.
Razor strop. C. E. Carpenter. 1,557,652; Oct. 20.
Reamer. M. L. Sutton and D. Heyer. 1,557,895; Oct. 20.
Receptacle, Dispensing. J. Peterson and G. G. Smith. 1,558,275; Oct. 20.
Recoil-absorbing spring suspension. H. Kintz. 1,558,017; Oct. 20.
Reel: *See*—
Adjustable reel. Fishing reel.
Reflector for light projectors. W. F. Morrison. 1,558,270; Oct. 20.
Refrigerator, Bottle. C. A. Frick. 1,557,578; Oct. 20.
Refrigerator-car drain. P. S. Dougherty. 1,557,816; Oct. 20.
Register: *See*—
Autographic register.
Registering counter. C. H. H. Rodanet. 1,558,287; Oct. 20.
Regulator: *See*—
Football regulator. Pressure regulator.
Release device. J. F. Bolgiano. 1,557,795; Oct. 20.
Repeater and amplifier, Two-way. W. G. Sexauer. 1,558,053; Oct. 20.
Rerailer. T. Rivard. 1,557,619; Oct. 20.
Resilient wheel. W. Y. Elliott. 1,557,677; Oct. 20.
Rim lock, Demountable-. R. H. O'Brien. 1,557,869; Oct. 20.
Rim stretcher and frame bender, Combined. E. J. Ovington. 1,557,607; Oct. 20.
Ring: *See*—
Finger ring. Piston ring.
Road signals, Switch mechanism for. G. H. Dalman. 1,558,242; Oct. 20.
Roads dust free, Rendering. T. J. A. Jacometti. 1,558,172; Oct. 20.
Roasting furnace, Mechanical. G. Stohn. 1,558,207; Oct. 20.
Robbery-preventive device. W. C. Hill. 1,557,691; Oct. 20.
Rock drills, Lubricator for. L. C. Bayles and F. M. Slater. 1,558,221; Oct. 20.
Rod: *See*—
Railway-track truss rod. Strut rod.
Rodents, Baiting device for. C. J. Barnes. 1,558,426; Oct. 20.
Roller: *See*—
Die roller.
Shade roller.
Roofing, Sheet-metal. W. Strong. 1,558,410; Oct. 20.
Rope structure. H. V. Whitlock. 1,558,420; Oct. 20.
Sack holder. G. Jones. 1,558,368; Oct. 20.
Sadiron, Self-heating. B. A. Lake. 1,558,097; Oct. 20.
Safety hook. C. L. Morrett. 1,557,603; Oct. 20.
Saliva tube. M. L. Tobriner. 1,557,744; Oct. 20.
Sash lock, Window-. G. C. Mason. 1,557,941; Oct. 20.
Saw frame. E. Timander. 1,558,315; Oct. 20.
Saw, Mechanically-worked ice. E. E. Petersen. 1,558,040; Oct. 20.
Saw-setting apparatus. D. Aleskus. 1,558,328; Oct. 20.
Sawing machine, Portable log-. H. H. Bowden. 1,557,973; Oct. 20.
Saws, Square attachment for. H. E. MacKinga. 1,558,380; Oct. 20.
Scale. R. Craig. 1,558,146; Oct. 20.
Scale. L. A. Osgood and E. E. Wolf. 1,557,606; Oct. 20.
Screen: *See*—
Fly screen. Sun screen.
Screening apparatus. H. P. Hoyle. 1,557,843; Oct. 20.
Seam-reenforcing machine. J. W. Brundage. 1,558,341; Oct. 20.
Sectional rods, Coupling for. L. L. Mast. 1,558,268; Oct. 20.
Seed sowing and distributing machine. G. Prang. 1,558,282; Oct. 20.
Seeder and drill attachment. J. J. Buss. 1,557,651; Oct. 20.
Self-gripping adjustable coupling. J. K. Bryant. 1,558,233; Oct. 20.
Separator: *See*—
Electrocentrifugal separator
Separator. E. Feugère. 1,558,004; Oct. 20.
Sewing machine. J. Kiewics. 1,558,182; Oct. 20.
Sewing machines, Buttonhole mechanism for. B. F. Serafini. 1,558,118; Oct. 20.
Shade and curtain-pole support. C. L. Stubbs. 1,557,892; Oct. 20.
Shade and light-shield supporting bracket, Double-roller. W. H. Forse, jr. 1,557,576; Oct. 20.
Shade roller. C. G. Dunlap and A. Witten. 1,557,673; Oct. 20.
Shampoo fixture, Compression. W. B. Dale. 1,557,808; Oct. 20.
Sharpener, Knife. D. Lambert. 1,558,187; Oct. 20.
Sharpening machine. M. L. Luebben. 1,558,194; Oct. 20.
Shaving or dressing machines, Workholder for. H. A. Herr. 1,558,166; Oct. 20.
Shaving-stick holder. F. O. Perkins. 1,557,608; Oct. 20.
Shingle. H. A. Sjodahl. Des. 68,552; Oct 20.
Shingle, Composite. V. F. Lake. 1,558,186; Oct. 20.
Shingle fastener. W. J. Riley. 1,557,616; Oct. 20.
Shingle strip. C. W. Dohm. Des. 68,522; Oct. 20.
Ships and other sunken objects, Raising and salving. W. Kiwull and W. Koeniger. 1,557,595; Oct. 20.
Ships, Device for locating and raising sunken. A. J. Sargent. 1,557,778; Oct. 20.
Shirt. E. A. Jodoin. 1,557,701; Oct. 20.
Shock absorber. C. W. Shartle, jr. 1,557,886; Oct. 20.
Shock absorber, Hydraulic. I. M. Laddon and F. E. Flader. 1,557,849; Oct. 20.
Shoe attachment. G. C. McAuley. 1,558,378; Oct. 20.
Shoe-bottom-staining machine. A. S. Hayden. 1,557,583; Oct. 20.
Shoe materials, Apparatus for treating. F. M. Furber. 1,557,825; Oct. 20.
Shoe stand. J. Pazynski. Des. 68,543; Oct. 20.
Sickle scabbard. F. J. Budroe and J. J. McCormick, jr. 1,557,920; Oct. 20.
Sign. J. M. Schilling. 1,558,297; Oct. 20.
Sign. L. H. Young. 1,557,955; Oct. 20.
Sign, Rotating electric. J. C. Daniel. 1,558,243; Oct. 20.
Signal: *See*—
Railway signal. Vehicle signal.
Signal. J. M. Benninghoff. 1,558,333; Oct. 20.
Silk threads from viscose, Manufacturing artificial. I. O. E. Lams. 1,558,265; Oct. 20.
Sinks, Drawer attachment for. C. A. Peterson. 1,558,274; Oct. 20.
Siphon apparatus. K. C. D. Hickman. 1,558,358; Oct. 20.
Skate, Roller. F. Slogr. 1,558,404; Oct. 20.
Skins, Support for stretching and drying. L. H. Hamel. 1,558,011; Oct. 20.
Sliver-forming machine. W. E. Cook. 1,557,804; Oct. 20.
Sliver-handling device. J. W. Gurley. 1,557,830; Oct. 20.
Smoker's device. G. I. Allen. 1,557,546; Oct. 20.
Soap dish or similar article. H. E. Moineau. Des. 68,538; Oct. 20.
Socket wrench. J. J. McGuckin. 1,558,267; Oct. 20.
Soda ash and water, Combining. J. A. Bradburn. 1,557,974; Oct. 20.
Sole-beveling machine. F. E. Bertrand. 1,557,552; Oct. 20.
Sorting machines, Feeding device for. A. M. Bunn. 1,558,284; Oct. 20.
Sound-reproducing apparatus. C. M. Boudette. 1,557,554; Oct. 20.
Sound-reproducing instrument. R. M. Everett. 1,557,998; Oct. 20.
Sound-wave-intensifying device, Electromagnetic. A. Wyatt. 1,557,914; Oct. 20.
Spacer and bushing, Impeller. C. F. Zimansky. 1,557,918; Oct. 20.
Spark-plug terminal cable connection. A. Pachman. 1,557,870; Oct. 20.

Spark retarder, Automatic. F. C. Faure. 1,558,255; Oct. 20.
Speed shift mechanism, Varinble-. G. P. Dorris. 1,558,149; Oct. 20.
Spinning apparatus for the manufacture of artificial filaments, Device for the cleaning of. H. Kempf. 1,558,371; Oct. 20.
Spinning of artificial silk. O. Leuchs and E. Hubert. 1,558,375; Oct. 20.
Spinning or doubling yarns and threads, Machine for. F. Ferrand. 1,558,001; Oct. 20.
Splicing cane ends. J. H. Blair. 1,557,648; Oct. 20.
Splint stretcher. S. B. Austin. 1,557,647; Oct. 20.
Spotlamp. C. A. Whitsett. 1,558,421; Oct. 20.
Sprayer closure. H. E. Brandt. 1,557,650; Oct. 20.
Spring: *See*—
Air spring.
Spring support. G. H. Beaumont and J. C. Monteith. 1,558,141; Oct. 20.
Sprinkler: *See*—
Lawn sprinkler.
Staging bracket. O. Yetter. 1,558,425; Oct. 20.
Stake holder. C. E. Flinchbaugh. 1,558,258; Oct. 20.
Stanchion. H. W. Steege. 1,557,731; Oct. 20.
Stand: *See*—
Bootblack stand. Telephone stand.
Dispensing stand.
Stand for shavers, Portable. C. S. Franco. 1,558,259; Oct. 20.
Steam boiler. M. von Pokrsywnicki. 1,558,210; Oct. 20.
Steam collector, Exhaust-. E. W. Clifford. 1,557,982; Oct. 20.
Steam plants, Steam accumulator apparatus for. J. Ruths. 1,558,293; Oct. 20.
Steering wheels, Adjustment means for. L. G. Wellde. 1,557,638; Oct. 20.
Stereopticon projecting machines, Film attachment for. W. J. Citron. 1,558,145; Oct. 20.
Stereotype plates, Machine for casting. V. Stephan. 1,557,890; Oct. 20.
Stocking. W. J. McClelland. 1,558,103; Oct. 20.
Stoker construction. O. Aram. 1,558,215; Oct. 20.
Stoker, Hand. E. S. Decker 1,557,809; Oct 20.
Storage battery, Electric. J. F. Monnot. 1,557,602; Oct. 20.
Stoves, Protective top for. J. Hamilton. 1,557,831; Oct. 20.
Striking bag. B. Kennedy. 1,557,938; Oct. 20.
String fasteners to envelopes, Machine for attaching. S. B. Urbanowitz. 1,558,065; Oct. 20.
Stringed instruments, Remote control of the playing of. B. E. Mills. 1,558,113; Oct. 20.
Strut rod. C. H. Jockmus. 1,557,591; Oct. 20.
Sun screen. T. Ohara. 1,558,891; Oct. 20.
Supporter. R. R. Norwood. 1,558,202; Oct. 20.
Surgical needle and suture assembly and making the same. H. D. Morton. 1,558,037; Oct. 20.
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Telegraph exchange system, Printing-. D. B. Perry. 1,557,609; Oct. 20.
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Telegraphy, Multiplex. W. M. Bruce, jr. 1,558,231; Oct. 20.
Telegraphy, Secret system of. L. M. Potts. 1,558,280; Oct. 20.
Telephone-exchange system, Automatic. A. H. Dyson. 1,557,991; Oct. 20.
Telephone-exchange system, Automatic. A. H. Dyson. 1,557,993; Oct. 20.
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Telephone jacks, Method and mold for manufacturing. M. B. Richter. 1,557,615; Oct. 20.
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Tester. W. J. Britton. 1,558,337; Oct. 20.
Testing progress of work in machines for grinding bodies of revolution. H. T. Tornberg. 1,557,903; Oct. 20.
Textile fibers and in the product resulting therefrom, Treating. J. C. McDowell. 1,558,104; Oct. 20.
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Thermometer casing. J. Reid. Des. 68,545; Oct. 20.
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Ticket holder for shelving. J. A. Fitch. 1,558,154; Oct. 20.
Tide motor. F. D. Taylor. 1,557,787; Oct. 20.
Tiles, Apparatus for the manufacture of ceramic. A. Henros. 1,557,935; Oct. 20.
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Toaster. E. A. Rutenber. 1,558,049; Oct. 20.
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Tobacco pipe. J. Whiting. 1,558,135; Oct. 20.
Toilet article. J. Hindrelet. 1,557,693; Oct. 20.
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Tool. O. J. Rankin. 1,557,726; Oct. 20.
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Train control. G. P. Horan. 1,558,360; Oct. 20.
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Train-pipe connecter, Lock for automatic. M. A. Barber. 1,557,962; Oct. 20.
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Transformer, Electrical. A. A. Howard. 1,558,090; Oct. 20.
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Turbine blading. E. Zetterquist. 1,558,326; Oct. 20.
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Twine-tensioning device. R. R. Condra. 1,557,985; Oct. 20.





Type, Distributing stick for. W. H. Storey. 1,558,309; Oct. 20.
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Valve for dry-pipe valves, Drip. E. E. Clark. 1,557,559; Oct. 20.
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Vulcanizer. O. J. Kuhlke. 1,558,096; Oct. 20.
Wagon, Scooter. L. E. Walter. 1,557,634; Oct. 20.
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Water-pan alarm. L. Sommer. 1,558,057; Oct. 20.
Water-tube boiler or the like. R. McGregor. 1,558,379; Oct. 20.
Web-cutting mechanism. A. M. Zuckerman. 1,558,140; Oct. 20.
Weed cutter, Railway. J. Heinz. 1,557,934; Oct. 20.
Weight indicator. F. L. Scott. 1,557,781; Oct. 20.
Welding, Electric resistance. C. A. Hadley. 1,558,353; Oct. 20.
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Well capper and flow distributor. G. F. Sockman. 1,558,056; Oct. 20.
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Wheel holder, lock, and wrench, Combined. S. T. Logan. 1,557,713; Oct. 20.
Wheel-truing device. W. A. Seaman. 1,558,402; Oct. 20.
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Wind instrument, Keyed. L. M. Evette. 1,557,819; Oct. 20.
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X-rays, Apparatus for measuring and detecting. T. W. Case. 1,557,979; Oct. 20.
Yarn spool. E. F. Hathaway. 1,558,264; Oct. 20.
Yeast cells, Inhibiting the deterioration of. M. E. Nell. 1,557,764; Oct. 20.

# CLASSIFICATION OF PATENTS

## OCTOBER 20, 1925.

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82: 1,558,133
92: 1,557,784
104: 1,557,772
270: 1,557,619
105— 190: 1,557,872
345: 1,557,587
400: 1,558,323
107— 23: 1,558,206
67: 1,557,884
108— 5: 1,558,291
5.6: 1,558,239
8: 1,558,005
1,558,186
10: 1,558,129
20: 1,558,410
29: 1,558,385
31: 1,558,296
33: 1,557,616
110— 30: 1,557,809
44: 1,558,215
56: 1,558,445
98: 1,557,874
1,558,344
101: 1,557,722
162: 1,558,438
112— 77: 1,558,118
80: 1,557,970
86: 1,557,649
90: 1,557,786
157: 1,558,182
113— 46: 1,558,345
114— 21: 1,557,832
50: 1,557,595
1,557,778
195: 1,558,256
115— 49: 1,557,990
116— 33: 1,558,110
36: 1,557,817
40: 1,558,183
43: 1,557,842
67: 1,557,967
68: 1,558,333
88: 1,558,427
109: 1,558,057
114: 1,558,153
129: 1,557,867
142: 1,557,658
150: 1,557,769
117— 14: 1,558,179
34: 1,557,804
52: 1,557,803
1,558,420
118— 86: 1,558,001
119— 12: 1,558,224
32: 1,557,925
35: 1,558,199
51: 1,558,316
140: 1,557,742
149: 1,557,731
156: 1,558,251
120— 47: 1,558,263
121— 10: 1,558,303
28: 1,557,777
41: 1,558,363
122— 290: 1,558,379
383: 1,557,752
392: 1,557,792
461: 1,558,210
123— 78: 1,557,710
90: 1,557,548
124: 1,557,674
146.5: 1,558,101
123— 148: 1,557,566
149: 1,558,093
173: 1,557,763
1,558,214
178: 1,558,009
186: 1,558,255
188: 1,557,785
1,557,829
125— 37: 1,558,402
126— 114: 1,558,400
214: 1,557,831
128— 96: 1,558,202
218: 1,557,837
220: 1,557,836
249: 1,557,620
339: 1,558,037
129— 16: 1,558,376
16.1: 1,558,234
24: 1,558,246
37: 1,557,550
130— 5: 1,557,708
131— 12: 1,557,641
1,557,930
1,558,135
30: 1,557,898
51: 1,557,546
132— 38: 1,558,106
83: 1,558,407
87: 1,557,693
134— 17.5: 1,558,006
26: 1,557,961
51: 1,558,082
136— 14: 1,557,602
147: 1,557,952
188: 1,558,412
137— 9: 1,558,203
13: 1,557,599
1,557,885
34.2: 1,557,949
34.3: 1,558,276
70: 1,557,588
76: 1,557,966
93: 1,557,630
102: 1,558,147
104: 1,557,618
1,558,178
106: 1,558,358
111: 1,558,403
139: 1,557,728
1,557,863
1,558,098
153: 1,557,822
157: 1,558,173
138— 23: 1,558,002
139— 207: 1,558,051
143— 163: 1,557,973
144— 296: 1,557,963
145— 21: 1,557,794
34: 1,558,315
61: 1,557,853
116: 1,557,900
146— 113: 1,557,893
114: 1,558,197
115: 1,558,394
124: 1,557,611
147: 1,558,369
217: 1,558,325
149— 5: 1,557,844
21: 1,558,011
28: 1,558,279
150— 8: 1,558,278
54: 1,557,943
152— 5: 1,557,972
12: 1,558,023
14: 1,557,984
21: 1,558,212
28: 1,557,677
153— 16: 1,558,180
154— 1: 1,558,341
1,558,383
5: 1,557,680
9: 1,558,381
10: 1,557,891
49: 1,557,543
155— 58: 1,557,940
113: 1,558,301
150: 1,557,813

156— 151: 1,558,087
178: 1,558,181
184: 1,558,434
156— 17: 1,558,391
19: 1,557,673
24: 1,557,576
1,557,892
37: 1,557,909
1,558,102
157— 1: 1,557,986
158— 28: 1,557,741
63: 1,558,283
66: 1,557,954
113: 1,558,148
159— 48: 1,558,022
161— 15: 1,557,721
164— 67: 1,558,140
96: 1,558,289
166— 15: 1,557,915
1,558,056
167— 6: 1,558,122
9: 1,558,160
173— 259: 1,557,666
269: 1,557,870
273: 1,558,211
1,558,431
174— 177: 1,558,351
175— 294: 1,558,448
359: 1,558,090
367: 1,558,447
176— 3: 1,558,373
32: 1,558,386
41: 1,558,422
59: 1,558,422
132: 1,558,000
177— 311: 1,558,076
178— 2: 1,557,609
22: 1,558,280
40: 1,557,692
44: 1,557,562
51: 1,558,331
71: 1,557,633
179— 15: 1,557,544
17: 1,557,993
18: 1,557,596
1,557,991
1,557,992
58: 1,557,642
100.1: 1,557,664
1,557,678
1,558,032
103: 1,557,686
119: 1,557,554
1,557,621
1,557,640
147: 1,557,646
170: 1,558,053
171: 1,557,860
170—I 171: 1,557,914
182: 1,558,191
180— 17: 1,558,311
54: 1,557,570
67: 1,557,782
77: 1,557,859
83: 1,558,390
181— 27: 1,558,189
182— 8: 1,557,816
183— 32: 1,558,230
115: 1,557,907
184— 6: R. 16,189
16: 1,557,910
18: 1,558,221
58: 1,557,675
1,558,266
187— 31: 1,557,857
188— 3: 1,557,770
32: 1,558,308
72: 1,557,575
88: 1,557,849
205: 1,557,999
249: 1,558,061
254: 1,557,667
1,557,668
259: 1,558,408
189— 16: 1,558,105
191— 59.1: 1,557,913
192— 15: 1,558,042
67: 1,558,074
139: 1,557,928
150: 1,557,999
197— 6.2: 1,557,754
126: 1,558,198
186: 1,558,319
198— 19: 1,558,014
24: 1,558,397
31: 1,558,016
34: 1,557,765
103: 1,558,300
158: 1,557,779
200— 6: 1,558,324
8: 1,558,052
25: 1,558,304
30: 1,558,029
43: 1,557,801
66: 1,558,415
86: 1,558,242
122: 1,558,331
125: 1,558,010
136: 1,558,277
168: 1,558,116
203— 4: 1,558,446
204— 1: 1,557,980
56: 1,558,085
206— 2: 1,558,384
56: 1,557,608
208— 33: 1,557,634
178: 1,558,404
210— 54: 1,558,004
63: 1,557,585
201: 1,558,038
211— 13: 1,557,835
1,558,075
211— 13: 1,558,290
14: 1,557,598
17: 1,557,989
31: 1,557,700
34: 1,557,593
212— 70: 1,557,632
144: 1,557,697
213— 220: 1,557,932
214— 1: R. 16,190
21: 1,557,773
25: 1,558,121
40: 1,557,965
41: 1,558,109
52: 1,557,659
65: 1,558,164
215— 38: 1,557,653
89: 1,558,335
218— 14.1: 1,557,845
219— 4: 1,557,573
1,558,353
21: 1,557,607
23: 1,558,077
1,558,312
39: 1,557,682
220— 1: 1,557,565
1,558,128
1,558,196
39: 1,558,097
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54: 1,557,610
55: 1,558,349
66: 1,557,826
85: 1,557,577
221— 60: 1,558,044
1,558,195
61: 1,558,398
79: 1,558,244
80: 1,557,851
104: 1,558,275
122: 1,557,856
222— 7: 1,557,873
223— 27: 1,558,168
52: 1,557,623
224— 2: 1,557,920
26: 1,558,213
29: 1,558,322
225— 28: 1,558,028
226— 5: 1,558,398
229— 16: 1,558,155
27: 1,558,306
72: 1,558,305
230— 1: 1,557,683
2: 1,557,978
27: 1,557,936
34: 1,557,706
232— 41: 1,558,026
233— 1: 1,558,382
35: 1,557,851
234— 34: 1,557,960
235— 134: 1,558,287
236— 92: 1,558,081
237— 78: 1,557,997
238— 8: 1,557,590
52: 1,558,307
238— 197: 1,557,912
294: 1,558,204
330: 1,558,072
240— 41: 1,557,729
1,558,270
44: 1,557,699
48.4: 1,557,553
1,557,563
42: 1,557,746
1,558,227
61: 1,557,937
1,558,421
62: 1,557,901
1,557,939
1,558,343
90: 1,557,555
241— 8: 1,558,228
242— 36: 1,558,177
66: 1,558,429
85: 1,557,887
123: 1,558,264
244— 1: 1,557,791
2: 1,558,063
1,558,130
6: 1,557,812
12: 1,558,089
14: 1,557,567
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15: 1,557,789
30: 1,557,855
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246— 63: 1,558,050
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189: 1,558,360
202: 1,557,704
323: 1,557,766
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473: 1,557,586
476: 1,557,698
250— 8: 1,558,144
20: 1,558,120
27: 1,558,111
1,558,436
1,558,437
34: 1,557,796
1,557,979
41: 1,557,724
1,557,725
1,558,043
251— 11: 1,558,157
25: 1,558,245
62: 1,557,926
144: 1,558,238
157: 1,558,330
158: 1,558,143
252— 2: 1,558,162
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3: 1,558,137
4: 1,558,336
253— 77: 1,558,326
254— 1: 1,557,985
42: 1,557,740
255— 1: 1,558,236
11: 1,557,556
22: 1,567,635
255— 64: 1,557,743
257— 24: 1,558,220
129: 1,558,205
132: 1,558,416
224: 1,557,838
1,558,139
258— 1: 1,557,795
15: 1,557,971
2: 1,557,571
260— 14: 1,558,241
49: 1,558,252
106: 1,558,299
125: 1,558,185
261— 13: 1,557,657
262— 20: 1,558,040
263— 26: 1,558,207
33: 1,558,250
265— 1: 1,557,781
1,558,337
26: 1,557,956
27: 1,558,146
48: 1,557,606
266— 42: 1,557,953
267— 20: 1,557,663
36: 1,558,387
45: 1,558,017
54: 1,558,141
60: 1,557,886
65: 1,557,905
66: 1,558,218
67: 1,557,591
268— 2: 1,557,591
8: 1,557,684
9: 1,557,922
15: 1,557,549
49: 1,557,942
77: 1,557,938
272— 3: 1,558,208
11: 1,558,309
16: 1,557,868
23: 1,558,024
33: 1,558,159
39: 1,558,078
273— 74: 1,558,281
98: 1,557,904
101: 1,557,788
1,557,834
103: 1,558,401
106: 1,557,751
126: 1,558,088
134: 1,558,288
135: 1,558,083
137: 1,558,165
150: 1,557,774
152: 1,557,694
1,557,824
1,558,229
274— 2: 1,557,998
23: 1,558,048
27: 1,558,013
275— 2: 1,558,282
276— 37: 1,558,309
277— 19: 1,558,174
20: 1,558,064
27: 1,558,093
277— 57: 1,557,808
280— 14: 1,558,338
33.14: 1,557,806
33.44: 1,557,841
49: 1,557,815
99: 1,557,833
106.5: 1,557,783
281— 4: 1,558,354
25: 1,558,350
29: 1,557,883
282— 15: 1,557,866
1,558,107
283— 1: 1,558,071
34: 1,557,854
60: 1,557,613
285— 24: 1,557,962
163: 1,558,313
193: 1,558,334
287— 54: 1,557,589
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103: 1,558,184
114: 1,557,923
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288— 1: 1,557,775
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292— 153: 1,557,582
157: 1,558,099
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228: 1,557,927
274: 1,557,645
280: 1,557,941
283: 1,558,406
293— 36: 1,557,709
45: 1,558,411
55: 1,557,714
1,557,719
1,558,253
1,558,332
1,558,388
294— 69: 1,557,823
91: 1,558,261
295— 19: 1,557,869
299— 28: 1,557,749
1,558,435
43: 1,558,258
45: 1,557,688
53: 1,558,262
97: 1,557,604
298— 17: 1,558,424
21: 1,558,412
299— 71: 1,558,355
96: 1,557,650
107: 1,557,994
301— 28: 1,557,862
104: 1,558,126
303— 6: 1,558,374
21: 1,557,689
304— 15: 1,558,425
305— 8: 1,558,432
306— 1: 1,557,894
308— 83: 1,557,968
1,558,034


# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.


**Abizaid, Louis G., doing business as L. G. Abizaid Manufacturing Company, Boston, Mass.** Gloves and wristbands. 205,039; Oct. 27.

**Abraham & Straus, assignor to Abraham & Straus, Inc., Brooklyn, N. Y.** Hosiery. 48,296; renewed Dec. 19, 1925.

**Abraham & Straus, assignor to Abraham & Straus, Inc., Brooklyn, N. Y.** Gloves. 48,629; renewed Jan. 9, 1926.

**Abraham & Straus, assignor to Abraham & Straus, Inc., Brooklyn, N. Y.** Gloves. 49,040; renewed Jan. 23, 1926.

**Abraham & Straus, New York, assignor to Abraham & Straus, Inc., Brooklyn, N. Y.** Trunks, valises, and satchels. 49,428; renewed Feb. 6, 1926.

**Abraham & Straus, assignor to Abraham & Straus, Inc., Brooklyn, N. Y.** Gloves. 49,701; renewed Feb. 13, 1926.

**Abraham & Straus, Inc., New York, N. Y.** Household furniture. 204,928; Oct. 27; Serial No. 210,432; published July 21, 1925.

**Abraham & Straus, Inc., New York, N. Y.** Mouth wash. 204,939; Oct. 27; Serial No. 177,944; published July 21, 1925.

**Acfield, Claude R., New York, N. Y.** Compound used in foot bath. 204,920; Oct. 27; Serial No. 213,108; published July 28, 1925.

**Advice Machine and Manufacturing Company.** (See Schwimmer, Oscar.)

**Air Reduction Company, Incorporated, New York, N. Y.** Oxyacetylene cutting apparatus. 204,976–7; Oct. 27; Serial Nos. 213,677–8; published Aug. 4, 1925.

**Airships Incorporated, Hammondsport, N. Y.** Collapsible and inflatable boats. 204,962; Oct. 27; Serial No. 214,348; published Aug. 4, 1925.

**Ajax Mfg. Co., Allegheny; Ajax Mfg. Co., Pittsburgh, Pa.** Boring machines. 48,710; renewed Jan. 9, 1926.

**Ajax Mfg. Co., Allegheny; Ajax Mfg. Co., Pittsburgh, Pa.** Tube expanders. 49,323; renewed Jan. 30, 1926.

**Alaska Consolidated Canneries, Inc., Seattle, Wash.** Canned salmon. 204,806–7; Otc. 27; Serial Nos. 216,757–8; published Aug. 18, 1925.

**Albamol Laboratories.** (See Lowenthal, Joseph.)

**Alma Manufacturing Company of Baltimore City.** (See Catch On Clasp Mfg. Co., assignor.)

**Alpha Portland Cement Company.** (See German-American Portland Cement Works, assignor.)

**American Asphalt Roof Corporation, Kansas City, Mo.** Asphalt roofing. 205,058; Oct. 27.

**American Dyewood Company, Philadelphia, Pa.; American Dyewood Company, New York, N. Y.** Manufactured colors for printing and dyeing. 49,140; renewed Jan. 23, 1926.

**American Fruit Products Co., New Haven, Conn.** Fruit concentrate used in the preparation of soft drinks. 205,044; Oct. 27.

**American Molasses Co.** (See Eastern Refining Co.)

**American Oak Leather Co., The, Cincinnati, Ohio.** Leather. 204,931; Oct. 27; Serial No. 209,523; published June 23, 1925.

**American Wood Impregnation Corporation, New York, N. Y.** Lumber. 204,725; Oct. 27.

**Anc-Co Preserving Co., Birmingham, Ala.** Fruit jellies and preserves. 205,029; Oct. 27.

**Anchor Paper Company, The, Cincinnati, Ohio.** Paper bags. 204,875; Oct. 27; Serial No. 213,110; published June 2, 1925.

**Anthony, Earle C., Inc., Los Angeles, Calif.** Section of a weekly publication. 204,827; Oct. 27; Serial No. 214,308; published Aug. 4, 1925.

**Anti-Insect Co.** (See Blair, Sam.)

**Appco Co.** (See Pasternak, Martin.)

**Arnold Electric Co., Racine, Wis.** Electric massage vibrators. 205,037; Oct. 27.

**Aschenbach & Miller, Incorporated, Philadelphia, Pa.** Sulphur soap. 48,627; renewed Feb. 13, 1926.

**Associated Merchandising Corporation, New York, N. Y.** Box stationery. 204,973; Oct. 27; Serial No. 213,885; published July 28, 1925.

**Associated Merchandising Corporation, New York, N. Y.** Toilet powder. 204,988; Oct. 27; Serial No. 211,654; published July 21, 1925.

**Associated Portland Cement Manufacturers, Limited, The, Westminster, London, England.** Portland cement. 204,967; Oct. 27; Serial No. 214,117; published Aug. 4, 1925.

**Atlantic Radio Company, Boston, Mass.** Publication issued monthly. 204,777; Oct. 27; Serial No. 214,991; published July 28, 1925.

**Atlantic Silk Hosiery Co., Inc., Paterson, N. J.** Silk hosiery. 204,729; Oct. 27; Serial No. 215,959; published Aug. 11, 1925.

**Atlas Laboratories.** (See Hurwitt, Frank.)

**Atlas Tack Corporation.** (See H. C. Tack Co., assignor.)

**Automobile Club of Maryland, The, Baltimore, Md.** Booklets in nature of periodic publications. 204,770; Oct. 27; Serial No. 215,231; published July 28, 1925.

**Automotive Manufacturers Outlet Inc., New York, N. Y.** Screws, bolts, nuts, metal washers, and springs. 204,870; Oct. 27; Serial No. 213,423; published Aug. 11, 1925.

**Bakelite Corporation, New York, N. Y.** Door handles and knobs, name plates and push plates for doors, spraying nozzles, etc. 204,844; Oct. 27; Serial No. 212,528; published Aug. 11, 1925.

**Bakelite Corporation, New York, N. Y.** Handles for canes, umbrellas, and parasols. 204,845; Oct. 27; Serial No. 212,523; published Aug. 11, 1925.

**Baker-Bolin Company, The, Cleveland, Ohio.** Barley-malt extract. 204,855; Oct. 27; Serial 210,522; published June 30, 1925.

**Balneo Products Co., New York, N. Y.** Medicinal preparations for baths. 204,913; Oct. 27; Serial No. 214,907; published July 21, 1925.

**Banghart, Mary T., et al., trustees.** (See Talbott, William A.)

**Barber Asphalt Company, The, Philadelphia, Pa.** Building paper. 204,969; Oct. 27; Serial No. 214,048; published Aug. 4, 1925.

**Barnett, G. & H., Company, Philadelphia, Pa.** Files and rasps. 48,371; renewed Dec. 26, 1925.

**Bench Soap Company, Lawrence, Mass.** Laundry and toilet soap and soap powder. 49,372; renewed Feb. 6, 1926.

**Beaver Products Company, Incorporated, The, Buffalo, N. Y.** Composition roofing, shingles, and roofing fasteners. 204,974; Oct. 27; Serial No. 213,828; published Aug. 4, 1925.

**Beaver Products Company, Inc., The, Buffalo, N. Y.** Plaster. 205,061; Oct. 27.

**Begue Confectionery Co., Inc., New York, N. Y.** Chocolate and candy. 204,851; Oct. 27; Serial No. 211,824; published Aug. 11, 1925.

**Bellows, Harold C., Bay City, Mich.** Gasoline, engine and motor fuel oils. 204,947 Oct. 27; Serial No. 194,687; published July 22, 1924.

**Benson, Benjamin D., & Sons, New York, N. Y.** Check books and other blank books in bound form. 204,937; Oct. 27; Serial No. 197,354; published July 28, 1925.

**Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y.** Men's and boys' collars, pyjamas, night robes, underwear, and shirts. 204,862; Oct. 27; Serial No. 214,051; published Aug. 4, 1925.

**Bergmann, Jean, New York, N. Y.** Calculating machines. 204,796; Oct. 27; Serial No. 198,837; published Aug. 4, 1925.

**Berry, A. H., Shoe Company, Portland, Me.** Women's leather shoes. 49,179; renewed Jan. 30, 1926.

**Best & Co., Inc., New York, N. Y.** Misses' and children's hats, shoes, putties, gloves, etc. 204,847; Oct. 27; Serial No. 212,366; published Aug. 11, 1925.

**Best Universal Lock Co., Seattle, Wash.** Locks, keys, and parts of locks. 205,032; Oct. 27.

**Beswick, David, Brooklyn, N. Y.** Sewing machines. 204,996; Oct. 27; Serial No. 208,952; published May 5, 1925.

**Betts, Frank L., doing business as Day Light Laboratories, St. Louis, Mo.** Face and talcum, powders, perfumes, hair tonic, etc. 204,955; Oct. 27; Serial No. 207,647; published July 14, 1925.

**Bevans, Gladys H., New York, N. Y.** Children's overalls. 204,825; Oct. 27; Serial No. 214,581; published Aug. 4, 1925.

**Birchard Chemical Works, Hartford, Conn.** Cleaning fluids for cleaning fabrics. 204,981; Oct. 27; Serial No. 213,220; published July 28, 1925.

**Bird of Paradise Preparations.** (See Coglianes, Vincent.)

**Blair, Sam, doing business as Anti-Insect Co., Watertown, Tenn.** Insecticide. 205,016; Oct. 27; Serial No. 214,909; published July 28, 1925.

**Blechman, Irving, New York, N. Y.** Water-stain and grease-stain remover. 204,993; Oct. 27; Serial No. 209,196; published July 28, 1925.

**Bloch Brothers Tobacco Company, The, Wheeling, W. Va.** Chewing and smoking tobacco. 49,061; renewed Jan. 23, 1926.

**Blue Bird Inc. Perfumers, New York, N. Y.** Cold and vanishing creams, depilatories, hair growers, etc. 204,941; Oct. 27; Serial No. 171,779; published June 26, 1923.

**Blue Bird Inc. Perfumers, New York, N. Y.** Ointment for acne and other skin diseases. 204,942; Oct. 27; Serial No. 170,804; published June 19, 1923.

**Board of Trustees of the Philadelphia Museums, Philadelphia, Pa.** Semiannual list of manufactures. 204,960; Oct. 27; Serial No. 216,143; published Aug. 11, 1925.

Board of Trustees of the Philadelphia Museums, Philadelphia, Pa. Monthly magazine. 204,903; Oct. 27; Serial No. 216,142; published Aug. 11, 1925.

Board of Trustees of the Philadelphia Museums, Philadelphia, Pa. Weekly magazine. 204,904; Oct. 27; Serial No. 216,141; published Aug. 11, 1925.

Board of Trustees of the Philadelphia Museums, Philadelphia, Pa. Monthly magazine. 204,905; Oct. 27; Serial No. 216,140; published Aug. 11, 1925.

Board of Trustees of the Philadelphia Museums, Philadelphia, Pa. Semiannual list of manufactures. 204,906; Oct. 27; Serial No. 216,139; published Aug. 11, 1925.

Boiler Maker, The; Simmons-Boardman Publishing Co., New York, N. Y., successor. Magazine. 44,362; renewed July 4, 1925.

Bonnet Freres. (See Manheimer, Jacob.)

Bragg-Kliesrath Corporation, New York and Long Island City, N. Y. Power actuators for operating brake mechanism, etc., of automotive land vehicles, boats, aircraft, etc. 204,812; Oct. 27; Serial No. 216,582; published Aug. 11, 1925.

Brewer-Titchener Corporation, The, Cortland, N. Y. Repairs for broken crank-case arms or engine supports. 205,057; Oct. 27.

Brownell & Field Company, Providence, R. I. Coffee. 48,977; renewed Jan. 16, 1926.

Burke Golf Company, The, Newark, Ohio. Golf clubs, balls, bags, heads, and shafts. 205,043; Oct. 27.

Butz, Jos., & Son, Brownsville, Tex. Lubricating oils, cup grease, and axle grease. 204,943; Oct. 27; Serial No. 201,880; published Nov. 18, 1924.

Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Prepared mustard. 48,089; renewed Dec. 12, 1925.

Campe Corporation, The, New York, N. Y. Knitted sweaters. 204,873; Oct. 27; Serial No. 213,160; published Aug. 11, 1925.

Capewell Horse Nail Company, The, Hartford, Conn. Horse nails. 48,113; renewed Dec. 12, 1925.

Cassell, William H., Wenatchee, Wash. Papers. 205,052; Oct. 27.

Catch On Clasp Mfg. Co., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Fasteners for the waistbands of trousers. 49,230; renewed Jan. 30, 1926.

Centerville Gypsum Company. (See Ritter, Jacob.)

Central Coal and Coke Company, Kansas City, Mo. Lumber. 204,025; Oct. 27; Serial No. 211,901; published Aug. 4, 1925.

Central Scientific Company, Chicago, Ill. Booklets issued from time to time. 204,876; Oct. 27; Serial No. 213,003; published July 21, 1925.

Chance, Albert B., doing business as Chance Company, Centralia, Mo. Anchor rods. 205,022; Oct. 27.

Class Journal Company, The, New York, N. Y. Weekly periodical. 204,956; Oct. 27; Serial No. 206,879; published July 28, 1925.

Clover Meadow Creamery Co., The, Cleveland, Ohio. Dairy products. 204,854; Oct. 27; Serial No. 210,645; published Aug. 11, 1925.

Coe, Richard, Newark, N. J. Greaseless healing cream. 205,005; Oct. 27; Serial No. 215,333; published July 28, 1925.

Coglianes, Vincent, doing business as Bird of Paradise Preparations, Chicago, Ill. Toilet preparations. 204,986; Oct. 27; Serial No. 211,734; published July 14, 1925.

Columbus Garment Manufacturing Company, Columbus, Kans. Men's outer garments. 204,868; Oct. 27; Serial No. 213,692; published Aug. 11, 1925.

Conewango Refining Co., The, Warren, Pa. Cylinder lubricants and lubricant stock. 49,692; renewed Feb. 13, 1926.

Conewango Refining Co., The, Warren, Pa. Cylinder lubricants and lubricant stock. 49,882; renewed Feb. 20, 1926.

Consolidation Coal Company, The, New York, N. Y. Coal. 205,013; Oct. 27; Serial No. 215,001; published Aug. 11, 1925.

Craig, W., Canning Company, Ogden, Utah. Canned tomatoes, peas, beans, and cherries. 205,038; Oct. 27.

Creo-Dipt Company, Inc., North Tonawanda, N. Y. Wood shingles. 204,975; Oct. 27; Serial No. 213,696; published Aug. 4, 1925.

Crescent Pharmacal Co., Long Island City, N. Y. Medical preparation for toothaches. 204,912; Oct. 27; Serial No. 215,056; published July 21, 1925.

Crown Laboratories. (See Famular, Joseph R.)

Dahlson Neckwear Company, New Orleans, La. Neckties and mufflers. 204,824; Oct. 27; Serial No. 214,587; published Aug. 11, 1925.

Daum Rogers Spritzer Co., New York, N. Y. Union suits. 205,059; Oct. 27.

Davies, Edward P., Austin, Tex. Antiseptic. 204,960 Oct. 27; Serial No. 214,401; published July 28, 1925

Day Light Laboratories. (See Betts, Frank L.)

Deane Plaster Co., The, Yonkers, N. Y. Porous plasters for coughs, colds, etc. 204,961; Oct. 27; Serial No. 214,353; published July 28, 1925.

Denver Powerine Company, The, Denver, Colo. Lubricating oils and lubricating greases. 204,985; Oct. 27; Serial No. 211,906; published July 14, 1925.

Denver Soap & Manufacturing Co., The, Denver, Colo. Soaps and detergent materials. 204,850; Oct. 27; Serial No. 211,988; published July 21, 1925.

Diamond Coal Company, Providence, Ky. Coal. 204,968; Oct. 27; Serial No. 214,060; published Aug. 4, 1925.

Diamond Paper Company, Ltd., New Orleans, La. Toilet paper. 204,945; Oct. 27; Serial No. 196,368; published Feb. 17, 1925.

Dow-Herriman Pump and Machinery Company, doing business as Radium Ore Revigator Company, San Francisco, Calif. Containers used for substances to which it is desirable to impart the medicinal value of radioactive emanation. 204,728; Oct. 27; Serial No. 215,971; published Aug. 4, 1925.

Dreés, Albertine, Newark, N. J. Hair wavers and curlers. 49,468; renewed Feb. 6, 1926.

Eadington Fruit Company, Fullerton, Calif. Oranges, lemons, grapefruit. 205,040; Oct. 27.

Eadington Fruit Company, Fullerton, Calif. Oranges, lemons, grapefruit, and tomatoes. 205,041; Oct. 27.

Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Lead pencils. 49,122; renewed Jan. 23, 1926.

Eastern Coal Company, Frankfort, Ind. Coal. 204,972; Oct. 27; Serial No. 213,895; published Aug. 4, 1925.

Eastern Refining Co., The; American Molasses Company, New York, N. Y., successor. Molasses. 48,950; renewed Jan. 16, 1926.

Easton Car & Construction Company, Easton, Pa. Automatic dumping automobile truck bodies. 205,051; Oct. 27.

Economy Engineering Company, Chicago, Ill. Tiering machines. 204,838; Oct. 27; Serial No. 212,907; published Aug. 4, 1925.

Economy Engineering Company, Chicago, Ill. Tiering machines. 204,839; Oct. 27; Serial No. 212,902; published Aug. 4, 1925.

Edgar-Morgan Co., Memphis, Tenn. Periodical. 204,899; Oct. 27; Serial No. 216,515; published Aug. 11, 1925.

Edgett-Burnham Company, Newark, N. Y. Canned fruits and vegetables. 205,055; Oct. 27.

Elco Tool and Screw Corporation, Rockford, Ill. Wood screws and screws of all kinds, rolled thread parts, rivets, wire pins, etc. 204,820; Oct. 27; Serial No. 214,787; published Aug. 4, 1925.

Elder Mfg. Co., St. Louis, Mo. Men's and boys' dress and negligee shirts and boys' blouses. 204,741; Oct. 27; Serial No. 215,442; published Aug. 4, 1925.

Elder Mfg. Co., St. Louis, Mo. Men's and boys' dress and negligee shirts. 204,769; Oct. 27; Serial No. 215,236; published Aug. 11, 1925.

Elmore Company, The, also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 204,984; Oct. 27; Serial No. 212,074; published July 14, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 204,753; Oct. 27; Serial No. 214,143; published July 28, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 204,754; Oct. 27; Serial No. 214,141; published July 28, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 204,755; Oct. 27; Serial No. 214,132; published July 28, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 204,831; Oct 27; Serial No. 214,144; published July 28, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 204,832; Oct. 27; Serial No. 214,142; published July 28, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 204,833–6; Oct. 27; Serial Nos. 214,137–40; published July 28, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 204,857–8; Oct. 27; Serial Nos. 214,135–6; published July 28, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 204,859; Oct. 27; Serial No. 214,133; published July 25, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 204,860; Oct. 27; Serial No. 214,131; published July 28, 1925.

Engel, Jos., Co., New York, N. Y. Ladies' and misses' coats, suits, sweaters, and dresses. 204,778; Oct. 27; Serial No. 214,952; published Aug. 11, 1925.

English Woolen Co., Cleveland, Ohio; Detroit, Mich.; Dayton, Ohio; Louisville, Ky.; and Indianapolis, Ind. Men's coats, vests, trousers, suits, and overcoats. 205,049; Oct. 27.

Erlanger, N., Blumgart & Co. Inc., New York, N. Y. Mohair dress goods. 49,293; renewed Jan. 30, 1926.

Eskalon Company. (See Schulz, Edwin A.)

Essex Rubber Company, Inc., Trenton, N. J. Arch and heel cushions and rubber and composition soles and heels. 205,064; Oct. 27.

Eternite Chemical Products Corporation, New York, N. Y. Compounds for dampproofing of interior and exterior surfaces. 204,970–1; Oct. 27; Serial Nos. 213,957–8; published Aug. 4, 1925.

Evans, William L., Washington, Ind. Metal clamp for making a wood connection. 205,050; Oct. 27.

Everlast Sporting Goods Manufacturing Co., The, New York, N. Y. Boxers' ear and eyebrow protectors, striking bags, fighting gloves, etc. 205,020; Oct. 27.



Everlasting Valve Company, Jersey City, N. J. Valves for boiler and other high-pressure purposes. 205,026; Oct. 27.

Fairbanks, Maud M., Worcester, Mass. Cough sirup, general system tonic, and blood purifier, and salve. 204,948; Oct. 27; Serial No. 194,531; published Oct. 28, 1924.

Famular, Joseph R., doing business as Crown Laboratories, Jersey City, N. J. Antipyretic, analgesic, and antirheumatic tablets. 204,892; Oct. 27; Serial No. 216,035; published July 28, 1925.

Fayro Laboratories, Inc., doing business as The Iris Company, Pittsburgh, Pa. Eye lotion. 205,015; Oct. 27; Serial No. 214,915; published July 28, 1925.

Ferer, Inc., St. Louis, Mo. Babbitt, lead, bronze, and brass. 204,765; Oct. 27; Serial No. 215,245; published Aug. 4, 1925.

Ferer, Inc., St. Louis, Mo. Babbitt, lead, bronze, and brass. 204,766; Oct. 27; Serial No. 215,243; published Aug. 4, 1925.

Ferer, Inc., St. Louis, Mo. Solder. 204,767; Oct. 27; Serial No. 215,244; published Aug. 4, 1925.

Ferer, Inc., St. Louis, Mo. Babbitt, lead, bronze, and brass. 204,768; Oct. 27; Serial No. 215,242; published Aug. 4, 1925.

Fierheller, George, doing business as The Olajen Co., Buffalo, N. Y. Tissue builder and food stimulant. 204,998; Oct. 27; Serial No. 208,692; published July 14, 1925.

Fitchmul Company, The; A. Perley Fitch Company, Concord, N. H., successor. Medicinal preparation for diseases of the mucous membrane. 45,793; renewed Aug. 29, 1925.

Flossy Dental Mfg. Co., Evanston, Ill. Dental floss holders. 204,732; Oct. 27; Serial No. 215,780; published Aug. 4, 1925.

Fluff Co., The. (See Pape, Harry W.)

Foerderer, Robert H., Inc., Philadelphia, Pa. Leather for the uppers of shoes. 48,510; renewed Jan. 2, 1926.

Fournier & Wilson Company, The, Youngstown, Ohio. Lubricating oils. 204,752; Oct. 27; Serial No. 214,244; published July 14, 1925.

Franck, Marcel, Paris, France. Perfume atomizers. 204,793–4; Oct. 27; Serial Nos. 199,469–70; published Aug. 4, 1925.

Franklin Novelties, Inc., Philadelphia, Pa. Salad sets, cosmetic jars, powder-puff sets, etc. 204,952; Oct. 27; Serial No. 208,648; published June 16, 1925.

Franklin Simon & Co., Inc., New York, N. Y. Soaps. 204,757; Oct. 27; Serial No. 214,068; published Aug. 4, 1925.

Franklin Simon & Co., Inc., New York, N. Y. Perfumery atomizers. 204,841; Oct. 27; Serial No. 212,801; published Aug. 11, 1925.

Franklin Simon & Co., Inc., New York, N. Y. Perfumery atomizers. 204,842; Oct. 27; Serial No. 212,799; published Aug. 4, 1925.

Franklin Simon & Co., Inc., New York, N. Y. Perfumery atomizers. 204,846; Oct. 27; Serial No. 212,433; published Aug. 4, 1925.

Franklin Simon & Co., Inc., New York, N. Y. Perfumery atomizers. 204,874; Oct. 27; Serial No. 213,128; published Aug. 4, 1925.

Franklin Simon & Co., Inc., New York, N. Y. Perfumery and toilet water. 204,922; Oct. 27; Serial No. 212,798; published July 21, 1925.

Franklin Simon & Co., Inc., New York, N. Y. Compact cases, refills, and toilet powders. 204,978; Oct. 27; Serial No. 213,630; published July 21, 1925.

Franklin Simon & Co., Inc., New York, N. Y. Soaps. 204,997; Oct. 27; Serial No. 208,753; published May 5, 1925.

French Frolic Publishing Co. Inc., Newark, N. J. Monthly magazine. 204,819; Oct. 27; Serial No. 214,789; published Aug. 4, 1925.

Fuhrman, Harry H., Philadelphia, Pa. Box of manufacturer's products, a household kit. 205,033; Oct. 27.

Gardner, Frank A., doing business as F. A. Gardner & Co., Riverside, Calif. Throat confection. 204,992; Oct. 27; Serial No. 209,395; published July 14, 1925.

Gazette-Review Co., Atlantic City, N. J. Name of a weekly paper. 204,773; Oct. 27; Serial No. 215,146; published July 28, 1925.

Gazette-Review Co., Atlantic City, N. J. Name of a daily newspaper. 204,911; Oct. 27; Serial No. 215,147; published July 28, 1925.

General Chemical Company, New York, N. Y. Sulphide of soda. 204,750; Oct. 27; Serial No. 214,318; published July 14, 1925.

General Paper & Cordage Company, Pittsburgh, Pa. Linen bond paper. 204,959; Oct. 27; Serial No. 214,545; published July 28, 1925.

German-American Portland Cement Works, La Salle, Ill., assignor to Alpha Portland Cement Company, Easton, Pa. Portland cement. 49,015; renewed Jan. 23, 1926.

Gipsy Trail Camp and Country Club Inc., New York, N. Y. Hosiery. 204,837; Oct. 27; Serial No. 212,914; published Aug. 11, 1925.

Gobring, Karl A., doing business as Toledo Oil & Gas Company, Toledo, Ohio. Motor gasoline. 204,886; Oct. 27; Serial No. 216,171; published Aug. 11, 1925.

Goldman, Sigmund L., doing business as Red Sun Products Co., Chicago, Ill. Malt sirup for food purposes. 204,917; Oct. 27; Serial No. 214,862; published Aug. 11, 1925.

Goldsmith, J., & Sons, Company, Memphis, Tenn. Men's and boys' suits and overcoats. 204,817; Oct. 27; Serial No. 214,864; published Aug. 11, 1925.

Goldwater, A., & Co., New York, N. Y. Hosiery. 204,735; Oct. 27; Serial No. 215,690; published Aug. 11, 1925.

Goodall Worsted Co., Sanford, Me., and New York, N. Y. Mohair piece goods and piece goods of combinations of cotton, wool, etc. 204,762; Oct. 27; Serial No. 215,368; published Aug. 11, 1925.

Goodall Worsted Co., Sanford, Me., and New York, N. Y. Mohair piece goods and piece goods of combinations of cotton, wool, etc. 204,826; Oct. 27; Serial No. 214,546; published Aug. 11, 1925.

Gorodess, Edward, doing business as The Gray Chemical Company, New York, N. Y. Laxatives. 204,883; Oct. 27; Serial No. 216,335; published Aug. 4, 1925.

Gottschalk, John W., Philadelphia, Pa. Steel wire used for cleaning and polishing kitchen utensils. 204,760; Oct. 27; Serial No. 213,569; published Aug. 11, 1925.

Gray Chemical Company, The. (See Gorodess, Edward.)

Greenfield's, E., Son & Co., New York; E. Greenfield's Sons, New York and Brooklyn, N. Y., successor. Chocolate confectionery. 49,095; renewed Jan. 23, 1926.

Greenfield's, E., Son & Co., New York; E. Greenfield's Sons, New York and Brooklyn, N. Y., successor. Chocolate confectionery. 49,384; renewed Jan. 30, 1926.

Gross, Lewis A., Philadelphia, Pa. Tablets for constipation. 204,744; Oct. 27; Serial No. 214,413; published July 21, 1925.

Gross, Lewis A., Philadelphia, Pa. Tablets or capsules for pains in the head. 204,745; Oct. 27; Serial No. 214,412; published July 21, 1925.

Guide Publishing Company, The, Norwalk, Ohio. Monthly periodical of steam, electric, boat, and busline time tables and hotel directory. 204,783; Oct. 27; Serial No. 209,788; published July 21, 1925.

Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa. Petroleum burning oils. 48,782; renewed Jan. 16, 1926.

Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa. Petroleum burning oils. 48,784–6; renewed Jan. 16, 1926.

Gurney Heater Manufacturing Company, Boston, Mass. Steam and hot-water heaters and radiators. 49,150; renewed Jan. 23, 1926.

H. C. Tack Co., The, Cleveland, Ohio, assignor to Atlas Tack Corporation, Fairhaven, Mass. Carpet tacks. 48,200; renewed Dec. 19, 1925.

Hahn, Wm., & Co., Washington, D. C., and Baltimore, Md. Periodical publication issued every six weeks. 204,898; Oct. 27; Serial No. 216,533; published Aug. 11, 1925.

Hall-Daw Mfg. Co., Buffalo, N. Y. Air-pressure gauges. 205,027; Oct. 27.

Hall, Mrs. Jennie, San Pedro, Calif. Preparation for rheumatism, tonsilitis, etc. 204,980; Oct. 27; Serial No. 213,488; published July 14, 1925.

Harper, Martha M., Rochester, N. Y. Hairbrushes. 205,024; Oct. 27.

Harris Soap Company, Buffalo, N. Y. Soap and soap powder. 204,756; Oct. 27; Serial No. 214,077; published July 28, 1925.

Hauthaway, C. L., & Sons, Incorporated, Portland, Me., and Boston, Mass., assignor to C. L. Hauthaway & Sons, Incorporated, Boston, Mass. Leather cement. 49,632; renewed Feb. 13, 1926.

Hauthaway, C. L., & Sons, Incorporated, Portland, Me., and Boston, Mass., assignor to C. L. Hauthaway & Sons, Incorporated, Boston, Mass. Channel cement. 49,633; renewed Feb. 13, 1926.

Heath Products, Inc., New York, N. Y. Chewing gum. 204,734; Oct. 27; Serial No. 215,692; published Aug. 18, 1925.

Heilkraft Medical Co., Boston, Mass. Remedies for rheumatic and gouty affections. 204,891; Oct. 27; Serial No. 216,045; published July 28, 1925.

Hemple, Leon, doing business as "Wash-Rite" Products Mfg. Co., St. Louis, Mo. Automobile mops. 205,023; Oct. 27.

Hemstreet, Calvin S., doing business as Paralesea Company, Newport Beach, Calif. Medicinal preparation for rheumatism, high blood pressure, etc. 204,906; Oct. 27; Serial No. 215,253; published July 21, 1925.

Hendley, C. W., & Company, Incorporated, Baltimore, Md. Coal. 205,008; Oct. 27; Serial No. 215,300; published Aug. 4, 1925.

Henkel & Cie. Gesellschaft mit beschränkter Haftung, Dusseldorf-Holthausen, Germany. Preparations for washing and scouring purposes, soaps, and washing powders. 204,958; Oct. 27; Serial No. 202,703; published July 28, 1925.

Herman, Samuel M., doing business as S. M. Herman Mfg. Co., New York, N. Y. Soap. 204,944; Oct. 27; Serial No. 198,666; published July 28, 1925.

Hollidge, C. Crawford, Boston, Mass. Women's, girls', and misses' undergarments and clothing. 204,739; Oct. 27; Serial No. 215,568; published Aug. 4, 1925.

Hopkins, Ferdinand T., assignor to Ferd. T. Hopkins, doing business as Ferd. T. Hopkins & Son, New York, N. Y. Soap. 48,479; renewed Jan. 2, 1926.

House of Crane, The, Indianapolis, Ind. Cigars. 205,045–6; Oct. 27.

Huck-Gerhardt Co., Inc., Philadelphia, Pa. Hardwood floors, porch inclosures, storm sash, etc. 205,048; Oct. 27.

Hurst, William O., doing business as The Youthol Co., New York, N. Y. Toilet preparations, more particularly skin tonic. 204,916; Oct. 27; Serial No. 214,869; published July 21, 1925.

Hurwitt, Frank, doing business as Atlas Laboratories, Kansas City, Mo. Apparatus for testing urine. 207,724; Oct. 27; Serial No. 216,100; published Aug. 4, 1925.

Hutton, Clarence W., doing business as Hutton Photo Stamp Co., Chicago, Ill. Miniature photographs. 204,900; Oct. 27; Serial No. 216,394; published Aug. 11, 1925.

Hydrosal Laboratories Co., The, Cincinnati, Ohio. Antiseptics and deodorants. 204,949; Oct. 27; Serial No. 192,074; published July 14, 1925.

Ingersoll, Robt. H., & Bro., New York, N. Y.; Waterbury Clock Company, Waterbury, Conn., successor. Watches and clocks. 49,237; renewed Jan. 30, 1926.

International Telephone and Telegraph Corporation, New York, N. Y. Periodicals and magazines. 204,896; Oct. 27; Serial No. 216,730; published Aug. 11, 1925.

International Telephone and Telegraph Corporation, New York, N. Y. Periodical published quarterly. 204,897; Oct. 27; Serial No. 216,729; published Aug. 11, 1925.

Iris Company, The. (See Fayro Laboratories, Inc.)

Jackson Brewing Company, New Orleans, La. Grape punch. 205,036; Oct. 27.

Jacobs Realty Company, Clarksburg, W. Va., and Zanesville, Ohio. Real-estate bonds. 204,758; Oct. 27; Serial No. 213,786; published July 28, 1925.

Jacobson, Harry, New York, N. Y. Overalls and jumpers. 204,771; Oct. 27; Serial No. 215,208; published Aug. 11, 1925.

Janssen, H. & Co., San Francisco, Calif. Canned, salt, dried, and smoked fish, canned fruits and vegetables, etc. 204,953; Oct. 27; Serial No. 208,102; published Aug. 11, 1925.

Jersild Knitting Company, Neenah, Wis. Sweaters, toques, and bathing suits. 204,723; Oct. 27; Serial No. 216,104; published Aug. 11, 1925.

Jessup, Homer E., Atlanta, Ga. Liquid foot medicine. 205,001; Oct. 27; Serial No. 215,465; published July 28, 1925.

Johnson, B. L., & Co., Inc., Knoxville, Tenn. Candy. 204,795; Oct. 27; Serial No. 199,356; published July 28, 1925.

Jönköpings och Vulcans Tändsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 205,028; Oct. 27.

Kamwater Heater Mfgr. Co. Inc., Brooklyn, N. Y. Water heaters and steam generators and parts thereof. 204,927; Oct. 27; Serial No. 211,107; published Aug. 4, 1925.

Kasman, Abraham, New York, N. Y. Seal presses. 204,966; Oct. 27; Serial No. 214,255; published July 28, 1925.

Kaufman, Bessie, New York, N. Y. Breakfast-food products. 204,869; Oct. 27; Serial No. 213,439; published Aug. 11, 1925.

Keen Kola Mfg. Co., Dallas, Tex. Beverage. 205,042; Oct. 27.

Kerr, Alex., Brother & Co. Inc., Philadelphia, Pa. Salt. 204,951; Oct. 27; Serial No. 180,802; published Feb. 24, 1925.

Kirby-Gifford Company, Dallas, Tex. Tonic and blood medicine. 204,748; Oct. 27; Serial No. 214,368; published July 21, 1925.

Kirsch Manufacturing Company, Sturgis, Mich. Metal curtain rods. 205,021; Oct. 27.

Klein, A. L., & Bro., Inc., Chicago, Ill. Suits for men and women and trousers and knickers. 204,866; Oct. 27; Serial No. 213,788; published Aug. 4, 1925.

Klotz, H. & G., doing business as Ed. Pinaud, Paris, France, and New York, N. Y. Toilet lotions, toilet water, talc powder, and bath salts. 204,999; Oct. 27; Serial No. 215,986; published Aug. 11, 1925.

Leas & McVitty, Incorporated, assignor to Leas & McVitty, Inc., Philadelphia, Pa. Tanned leather. 48,823; renewed Jan. 16, 1926.

Lentheric, Inc., New York, N. Y. Toilet preparations. 204,890; Oct. 27; Serial No. 216,054; published July 28, 1925.

Lentheric, Inc., New York, N. Y. Toilet preparations. 204,895; Oct. 27; Serial No. 215,988; published July 28, 1925.

Leonardo Co., Inc., The, New York, N. Y. Household furniture. 204,924; Oct. 27; Serial No. 212,562; published July 28, 1925.

Leslie Judge Company, New York, N. Y. Magazine articles. 204,823; Oct. 27; Serial No. 214,670; published July 21, 1925.

Levitt, Ruth, Asheville, N. C. Women's and misses' wraps and dresses, children's dresses and suits, etc. 204,867; Oct. 27; Serial No. 213,714; published Aug. 11, 1925.

Lightfoot Schultz Company, Hoboken, N. J. Face powders, perfumes, bath salts, etc. 204,910; Oct. 27; Serial No. 215,213; published July 21, 1925.

Lowe Ranch. (See O'Keefe, John F.)

Lowenthal, Joseph, doing business as Albamol Laboratories, Philadelphia, Pa. Compounds for treating hemorrhoids. 204,889; Oct. 27; Serial No. 216,058; published July 28, 1925.

Luckel King & Cake Co., Portland, Oreg. Soap. 204,731; Oct. 27; Serial No. 215,805; published Aug. 4, 1925.

Ly-Nola Company, The, Dallas, Tex. Beverage and sirups for making same. 205,035; Oct. 27.

Macfadden Publications Incorporated, New York, N. Y. Monthly magazine. 204,733; Oct. 27; Serial No. 215,697; published July 28, 1925.

Mackie Pine Oil Specialty Co., Inc., Covington, La. Disinfectant and deodorant. 205,010; Oct. 27; Serial No. 215,078; published July 28, 1925.

Macwhyte Company, Kenosha, Wis. Wire rope. 205,018; Oct. 27; Serial No. 214,603; published July 28, 1925.

Maltine Company, The, Brooklyn, N. Y. Medical preparations. 48,761; renewed Jan. 9, 1926.

Manheimer, Jacob, doing business as Bonnet Freres, New York, N. Y. Filter paper. 205,053; Oct. 27.

Mann, Leo, Central Falls, R. I. Mattresses. 204,784; Oct. 27; Serial No. 209,735; published June 23, 1925.

Marcus Brothers, doing business as Marbro Mills, New York, N. Y. Cotton piece goods. 204,954; Oct. 27; Serial No. 207,873; published May 12, 1925.

Mary-O-Suds Soap Co., Boston, Mass. Soap in paste form. 204,727; Oct. 27; Serial No. 216,059; published Aug. 4, 1925.

Massachusetts Cotton Mills, Lowell; Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton piece goods. 47,658; renewed Nov. 14, 1925.

Mayfield, J. C., Company, Birmingham, Ala., assignor, by mesne assignments, to J. C. Mayfield Company, Wilmington, Del., and St. Louis, Mo. Tonic beverage. 46,461; renewed Sept. 19, 1925.

McConway & Torley Co., The, Pittsburgh, Pa. Automatic car couplings. 48,958; renewed Jan. 16, 1926.

McSweeny Automotive & Electrical Training Shops, Cincinnati, Ohio. Lesson sheets for instruction by mail. 204,785; Oct. 27; Serial No. 209,134; published Mar. 24, 1925.

Merchants Coffee Co., assignor to The Merchants' Coffee Company, Baltimore, Md. Roasted coffee. 48,246; renewed Dec. 19, 1925.

Micajah & Co. (See Talbott, William A.)

Millar, E. B., & Co., Chicago, Ill. Spices. 49,070; renewed Jan. 23, 1926.

Miller, L. & Sons, Inc., Long Island City, N. Y. Shoe polish and dressing. 204,726; Oct. 27; Serial No. 216,062; published Aug. 4, 1925.

Mills, W. S., Company, The, Bridgeport, Conn. Women's knit underwear. 204,747; Oct. 27; Serial No. 214,375; published July 28, 1925.

Millspaugh & Irish Corporation, The, Indianapolis, Ind. Automobile bodies. 205,003; Oct. 27; Serial No. 215,415; published Aug. 4, 1925.

Minnesota Lindseed Oil Paint Co., Minneapolis, Minn. Paint and enamel. 205,062; Oct. 27.

Mme. Raymond. (See Willcocks, Ida.)

Montgomery Ward & Co., Incorporated, Chicago, Ill. Periodically-published catalogues. 204,780; Oct. 27; Serial No. 214,928; published July 28, 1925.

Mooney, W. W., & Sons, Incorporated, Columbus, Ind. Harness and saddlery leather. 49,138; renewed Jan. 23, 1926.

Mooney, W. W., & Sons Incorporated, Columbus, Ind. Harness and saddlery leather. 49,176–7; renewed Jan. 23, 1926.

Morse, Clifton B., doing business as The Tydee Laboratories, Wollaston, Mass. Liquid deodorant. 204,746; Oct. 27; Serial No. 214,876; published July 21, 1925.

Munson, James G.; Munson's Pharmaceutical Laboratories, San Jose, Calif., successor. Remedy for headache, neuralgia, and nervousness. 49,534; renewed Feb. 6, 1926.

My-Frut Manufacturing Co. (See Newhouse, Abraham.)

N. Y. Cotton Stores, Inc., New York, N. Y. Cotton piece goods, sheets, pillowcases, bedspreads, etc. 204,763; Oct. 27; Serial No. 215,307; published Aug. 11, 1925.

Nadsco Perfumeries. (See National Department Stores, Inc.)

National Cocoanut Soap Co., Tacoma, Wash. Soap. 204,872; Oct. 27; Serial No. 213,186; published July 21, 1925.

National Department Stores, Inc., doing business as Nadsco Perfumeries, New York, N. Y. Soap. 204,994; Oct. 27; Serial No. 200,172; published Aug. 4, 1925.

National Publishing Co., Philadelphia, Pa. Bibles. 205,054; Oct. 27.

Nebraska Fertilizer Co., Omaha, Nebr. Sheep manure. 204,730; Oct. 27; Serial No. 215,941; published Aug. 4, 1925.

Neer, Elizabeth A., Paterson, N. J. Liquid remedy. 48,689; renewed Jan. 9, 1926.

Newhouse, Abraham, doing business as My-Frut Manufacturing Co., Brooklyn, N. Y. Candy laxative. 205,004; Oct. 27; Serial No. 215,379; published July 28, 1925.

New Orleans Coffee Co. Ltd., New Orleans, La. Roasted and ground coffee. 49,057; renewed Jan. 23, 1926.

New York Consolidated Card Company, The, New York; The New York Consolidated Card Company, Long Island City, N. Y. Playing cards. 48,170; renewed Dec. 12, 1925.

Nichols Detergent Company, Incorporated, Danville, Ky. Washing powder used in laundries. 204,743; Oct. 27; Serial No. 214,495; published July 28, 1925.



Norda Essential Oil and Chemical Co., Inc., New York, N. Y. Face powders, face creams, perfumes, rouges, etc. 204,933; Oct. 27; Serial No. 208,994; published July 28, 1925.

Northboro Brush Co., Northboro, Mass. Toothbrushes. 205,031; Oct. 27.

Northwest Canning Company, Salem, Oreg. Canned fruits, berries, and vegetables. 204,808; Oct. 27; Serial No. 216,742; published Aug. 18, 1925.

O'Brien, Glen H., doing business as O'Brien & Company, Los Angeles, Calif. Perfumed bath crystals, perfume, stock remedy, etc. 204,885; Oct. 27; Serial No. 216,208; published Aug. 4, 1925.

Oil Trade Journal, Inc., The, New York, N. Y. Semi-annual publication. 204,901; Oct. 27; Serial No. 216,283; published Aug. 11, 1925.

O'Keefe, John F., doing business as Lowe Ranch, Cupertino, Calif. Fresh vegetables. 204,804; Oct. 27; Serial No. 216,927; published Aug. 18, 1925.

Olajen Co., The. (See Fierheller, George.)

Olvera Drug Co. (See Zuniga, W. Olvera.)

Onyx Oil & Chemical Co., Jersey City, N. J. Product used for filling and finishing silk. 204,882; Oct. 27; Serial No. 216,354; published Aug. 4, 1925.

Osterreichische Metallhüttenwerke Aktiengesellschaft, Vienna, Austria. Plates and wires of lead, tin, and their alloys, raw castings, etc. 204,865; Oct. 27; Serial No. 213,796; published July 21, 1925.

Otis Elevator Company, Jersey City, N. J., and New York, N. Y. Elevators and hoists and parts thereof. 204,849; Oct. 27; Serial No. 212,097; published Aug. 4, 1925.

Pape, Harry W., doing business as The Fluff Co., Cincinnati, Ohio. Shampoo. 204,936; Oct. 27; Serial No. 198,247; published July 28, 1925.

Paper Novelty Company, The, Green Bay, Wis. Paper napkins. 205,009; Oct. 27; Serial No. 215,218; published July 28, 1925.

Paralesea Company. (See Hemstreet, Calvin S.)

Parfumerie St. Denis, New York, N. Y. Face powders. 204,915; Oct. 27; Serial No. 214,896; published July 21, 1925.

Pasternak, Martin, doing business as Appco Co., New York, N. Y. Soap. 204,738; Oct. 27; Serial No. 215,651; published Aug. 4, 1925.

Peacock Chemical Products Company, The. (See Rhamy, Bonnelle W.)

Pearson, E. T., Corporation, The, New York, N. Y. Protein food product which promotes mammary activity in nursing mothers. 204,787; Oct. 27; Serial No. 208,775; published Aug. 11, 1925.

Perrott Manufacturing Company, Beaver Falls, Pa. Stair treads and auto heel mats. 205,056; Oct. 27.

Philippine Manufacturing Company, Manila, P. I. Vegetable lard compound. 204,840; Oct. 27; Serial No. 212,827; published Aug. 11, 1925.

Pierce, S. S., Co., Boston, Mass. Perfumery. 204,963; Oct. 27; Serial No. 214,337; published July 28, 1925.

Pierce, S. S., Co., Boston, Mass. Perfumes, toilet water, face and talcum powder, etc. 204,964; Oct. 27; Serial No. 214,272; published July 21, 1925.

Pierce, S. S., Co., Boston, Mass. Perfumes, toilet water, face powder, etc. 204,965; Oct. 27; Serial No. 214,269; published July 21, 1925.

Pinaud, Ed. (See Klotz, H. & G.)

Pollard, Frank L., Co., Oakland, Calif. Refrigerators. 204,722; Oct. 27; Serial No. 216,211; published Aug. 18, 1925.

Polygraphische Gesellschaft, Laupen, near Berne, Switzerland. Sensitized photographic paper and films. 204,789; Oct. 27; Serial No. 205,136; published Aug. 4, 1925.

Ponemah Mills. (See Whitman, Clarence, & Co., assignor.)

Portuondo, Juan F., Cigar Mfg. Co., The, Philadelphia, Pa. Cigars. 48,271–2; renewed Dec. 19, 1925.

Portuondo, Juan F., Cigar Mfg. Co., The, Philadelphia, Pa. Cigars. 48,428; renewed Dec. 26, 1925.

Precision Metal Workers, Chicago, Ill. Can openers. 204,816; Oct. 27; Serial No. 216,212; published Aug. 11, 1925.

Premier Motors, Incorporated, Indianapolis, Ind. Automobiles. 204,871; Oct. 27; Serial No. 213,318; published July 28, 1925.

Preservaline Manufacturing Company, The, Brooklyn, N. Y. Chemicals for curing meats, preservatives, antiseptics, etc. 204,991; Oct. 27; Serial No. 209,814; published June 23, 1925.

Public Ledger Company, Philadelphia, Pa. Title of newspaper publication. 204,781; Oct. 27; Serial No. 214,887; published July 28, 1925.

Purity Extract & Tonic Co., Chattanooga, Tenn. Beverage sold as a soft drink. 205,019; Oct. 27.

Purity Ice Cream Co., Kansas City, Mo. Chocolate-coated ice cream. 204,983; Oct. 27; Serial No. 212,294; published June 9, 1925.

Radium Ore Revigator Company. (See Dow-Herriman Pump and Machinery Company.)

Railton, B. A., Co., Chicago, Ill. Paper items—namely, doilies, napkins, wax paper, etc. 204,934; Oct. 27; Serial No. 205,782; published July 21, 1925.

Red Sun Products Co. See Goldman, Sigmund L.)

Regal Paper Company, Pulaski, N. Y. Wax paper. 205,060; Oct. 27.

Reincke-Ellis Co., Chicago, Ill. Maps. 204,848; Oct. 27; Serial No. 212,637; published July 21, 1925.

Reinschild Chemical Co., The, New York, N. Y. Laxative. 205,002; Oct. 27; Serial No. 215,418; published July 28, 1925.

Reliance Manufacturing Company, Chicago, Ill. Work shirts. 204,798; Oct. 27; Serial No. 193,126; published Aug. 4, 1925.

Reversible Collar Company, Boston, Mass. Collars, cuffs, and bosoms. 204,861; Oct. 27; Serial No. 214,096; published Aug. 11, 1925.

Reymer & Brothers, Incorporated, Pittsburgh, Pa. Candy. 48,235; renewed Dec. 19, 1925.

Reynolds, Teschner & Volk Co., Inc., New York, N. Y. Light-toning screens. 204,856; Oct. 27; Serial No. 210,142; published Aug. 4, 1925.

Rhamy, Bonnelle W., doing business as The Peacock Chemical Products Company, Fort Wayne, Ind. Insect powder. 205,007; Oct. 27; Serial No. 215,312; published July 28, 1925.

Riley, J. M., Fruit Co., Covina, Calif. Fresh citrous fruits. 204,803; Oct. 27; Serial No. 216,937; published Aug. 18, 1925.

Rinald Bros.; Rinald Bros. Paint Works Inc., Philadelphia, Pa., successor. Paint. 48,666; renewed Jan. 9, 1926.

Rio Chemical Co., New York, N. Y. Uterine tonic and restorative. 49,814; renewed Feb. 20, 1926.

Ritter, Jacob, doing business as Centerville Gypsum Company, Centerville, Iowa. Mineral poultry grit. 205,017; Oct. 27; Serial No. 214,619; published Aug. 11, 1925.

Roane, Joseph, Vancouver, Wash. Hair restorer. 204,923; Oct. 27; Serial No. 212,574; published July 28, 1925.

Robinson, Wm. C., & Son Co., Baltimore, Md. Lubricating grease. 204,742; Oct. 27; Serial No. 214,750; published July 21, 1925.

Roessler & Hasslacher Chemical Co., The, New York, N. Y. Chemicals for the ceramic arts. 48,770; renewed Jan. 9, 1926.

Rosenberg Bros. & Co., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 204,829–30; Oct. 27; Serial Nos. 214,182–3; published Aug. 4, 1925.

Rotolo, Benedict A., Brooklyn, N. Y. Face powders, tooth powders, bath salts, etc. 204,888; Oct. 27; Serial No. 216,119; published July 28.

Sager Metal Weatherstrip Co., Chicago, Ill. Metal weather stripping. 205,063; Oct. 27.

Schlesinger, A., & Sons, New York, N. Y. Canned fruits. 204,805; Oct. 27; Serial No. 216,852; published Aug. 18, 1925.

Schoeneman, J., Incorporated, Baltimore, Md. Men's, youths', and boys' outer garments, rompers, and bloomers. 204,779; Oct. 27; Serial No. 214,930; published Aug. 11, 1925.

Schoepfer, M., Paris, France. Toilet preparation in paste form. 204,751; Oct. 27; Serial No. 214,279; published July 14, 1925.

Scholl Manufacturing Company, Inc., Chicago, Ill. Device for obtaining an impression of the contour of the sole of the foot. 204,815; Oct. 27; Serial No. 216,224; published Aug. 4, 1925.

Scholl Manufacturing Company, Inc., Chicago, Ill. Remedy for ingrowing toenails and irritation around the nail groove. 204,884; Oct. 27; Serial No. 216,226; published Aug. 4, 1925.

Schreiber Wallach Company, The, Cleveland, Ohio. Dresses. 204,737; Oct. 27; Serial No. 215,657; published Aug. 4, 1925.

Schulz, Edwin A., doing business as Eskalon Company, San Antonio, Tex. Medicine in tablet form for colds, headache, etc. 204,894; Oct. 27; Serial No. 215,996; published July 28, 1925.

Schutter-Johnson Candy Co., Chicago, Ill. Candy. 204,790; Oct. 27; Serial No. 202,825; published Aug. 11, 1925.

Schwimmer, Oscar, doing business as Advice Machine and Manufacturing Company, Los Angeles, Calif. Water heaters and automatic fuel controls for water heaters. 205,000; Oct. 27; Serial No. 215,534; published Aug. 4, 1925.

Seamless Rubber Company, Inc., The, New Haven, Conn. Stemless rubber bladders used in footballs, etc. 204,979; Oct. 27; Serial No. 197,782; published July 29, 1924.

Serrats, José, Bermeo, Spain. Tinned fish and salted fish. 204,782; Oct. 27; Serial No. 209,945; published July 21, 1925.

Service Motor Truck Co., Wabash, Ind. Motor trucks. 204,801; Oct. 27; Serial No. 138,786; published July 21, 1925.

Shafter Fruit Co., Shafter, Calif. Fresh grapes. 204,802; Oct. 27; Serial No. 216,943; published Aug. 18, 1925.

Sharpe, Joseph, Newark, N. J. Combined show case and ice box. 204,853; Oct. 27; Serial No. 211,383; published Aug. 11, 1925.

Shaw, A. W., Company, Chicago, Ill. Magazine. 204,772; Oct. 27; Serial No. 215,186; published July 28, 1925.

Shyde, Gertrude, New York, N. Y. Eye creams. 204,887; Oct. 27; Serial No. 216,121; published July 28, 1925.

Sibley, Edward L., Manufacturing Company, Bennington, Vt. Presses or machines for setting and removing eyelets. 204,919; Oct. 27; Serial No. 213,325; published July 21, 1925.

Simmons-Boardman Publishing Co. (See Boiler Maker, The.)

Simmons, Ed, Atlanta, Ga. Polishing and cleaning material. 204,982; Oct. 27; Serial No. 212,757; published July 28, 1925.

Simon, Herman, Union, N. J., assignor to R. & H. Simon Company, Union City, N. J. Woven silk fabrics. 49,443; renewed Feb. 6, 1926.

Standard Imports Limited, Montreal, Canada. Canned fish. 204,788; Oct. 27; Serial No. 205,795; published May 26, 1925.

Standard Oil Company (New Jersey), Bayonne, N. J. Liquid cleansing compounds and detergents. 204,957; Oct. 27; Serial No. 205,239; published July 28, 1925.

Standard Oil Company (New Jersey), Bayonne, N. J. Cleansing compounds and detergents. 204,989; Oct. 27; Serial No. 211,511; published July 28, 1925.

Standard Oil Company (New Jersey), Bayonne, N. J. Cleansing compounds and detergents. 204,990; Oct. 27; Serial No. 211,501; published July 28, 1925.

Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 204,878–80; Oct. 27; Serial Nos. 216,802–4; published Aug. 11, 1925.

Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 204,881; Oct. 27; Serial No. 216,800; published Aug. 11, 1925.

Stanford, Harry R., Washington, D. C. Bond paper. 204,759; Oct. 27; Serial No. 213,596; published July 21, 1925.

Starks, Richard S., doing business as Stark & Company, Midway, Ky. Headache powders. 49,816; renewed Feb. 20, 1926.

Stifel, J. L., & Sons, Wheeling, W. Va. Men's clothing. 204,786; Oct. 27; Serial No. 209,061; published Aug. 4, 1925.

Structural Slate Co., The, Pen Argyl, Pa. Enameled and painted slate products. 204,814; Oct. 27; Serial No. 216,234; published Aug. 4, 1925.

Stuart Products Co. Inc., New York, N. Y., and Jersey City, N. J. Stove blacking. 204,946; Oct. 27; Serial No. 195,918; published Jan. 20, 1925.

Sullivan, F. Daly, doing business as The Sullivan Company, Memphis, Tenn. Chemical compound for cleaning oil wells. 204,935; Oct. 27; Serial No. 204,638; published July 28, 1925.

Summers Mfg. Co., Los Angeles, Calif. Outing and work shirts and breeches, sweaters, hats and caps, etc. 204,774–5; Oct. 27; Serial Nos. 215,103–4; published Aug. 11, 1925.

Sun Soap Products, Incorporated, Staten Island, New York, N. Y. Soap powders. 204,813; Oct. 27; Serial No. 216,299; published Aug. 4, 1925.

Susser, Morris, New York, N. Y. Fur coats, stoles, scarfs, and chokers. 204,852; Oct. 27; Serial No. 211,632; published Aug. 11, 1925.

Sutton, E. W., Carpet Lining Corporation, The, Brooklyn, N. Y. Rug cushions and rug pads. 204,930; Oct. 27; Serial No. 209,948; published Aug. 4, 1925.

Swift and Company, Chicago, Ill. Lard. 48,698; renewed Jan. 9, 1926.

Swift and Company, Chicago, Ill. Soap chips. 204,776; Oct. 27; Serial No. 215,030; published July 14, 1925.

Sword & Kimber Company, Philadelphia, Pa. Burners and burner accessories. 205,012; Oct. 27; Serial No. 215,031; published Aug. 4, 1925.

Symington, T. H., Co., New York and Rochester, N. Y., assignor to The Symington Company. Malleable castings. 205,025; Oct. 27.

Talbott, Harriet M., et al., trustees. (See Talbott, William A.)

Talbott, William A.: Harriet M. Talbott and Mary T. Banghart, trustees, doing business as Micajah & Co., Warren, Pa., successors. Proprietary medicine for women's diseases. 49,575; renewed Feb. 13, 1926.

Tecla Corporation, The, New York, N. Y. Perfumes. 204,749; Oct. 27; Serial No. 214,340; published July 21, 1925.

Tenafly Weavers, Inc., The, Tenafly, N. J. Chokers, collar and cuff sets, and scarfs. 204,792; Oct. 27; Serial No. 200,126; published Aug. 11, 1925.

Thompson, Henry G., & Son Company, The, New Haven, Conn. Hack-saw blades. 205,047; Oct. 27.

Thompson, Lillie J., Tyrone, Pa. Ointment for cuts, burns, eczema, etc. 204,950; Oct. 27; Serial No. 183,178; published Dec. 2, 1924.

Ticker Publishing Company, New York, N. Y. Periodicals issued weekly. 204,822; Oct. 27; Serial No. 214,697; published July 21, 1925.

Tie-Art Company, Inc., Buffalo, N. Y. Hosiery. 204,929; Oct. 27; Serial No. 210,148; published July 14, 1925.

Tikkle Taste Products Company, Kansas City, Mo. Salad dressings and sandwich spreads. 204,848; Oct. 27; Serial No. 212,162; published Aug. 11, 1925.

Toftteen, Olof A., Chicago, Ill. Portable fuel-saving device to be placed in fire boxes. 204,863; Oct. 27; Serial No. 213,813; published July 28, 1925.

Toftteen, Olof A., Chicago, Ill. Fixed fuel-saving device to be placed in fire boxes. 204,864; Oct. 27; Serial No. 213,812; published July 28, 1925.

Tokay Company, The, Chicago, Ill. Candies and chocolate-covered raisins. 205,065; Oct. 27.

Toledo Oil & Gas Company. (See Gohring, Karl A.)

Tower, A. J., Co., assignor to A. J. Tower Co., Roxbury, Mass. Oiled clothing. 48,336; renewed Dec. 26, 1925.

Truscon Steel Company, doing business as The Truscon Laboratories, Detroit and Hamtramck, Mich. Trade magazine. 204,821; Oct. 27; Serial No. 214,758; published July 28, 1925.

Tulare Packing Company, Tulare, Calif. Canned fruit. 204,809; Oct. 27; Serial No. 216,653; published Aug. 18, 1925.

Tulare Packing Company, Tulare, Calif. Canned fruit. 204,810–11; Oct. 27; Serial Nos. 216,650–1; published Aug. 18, 1925.

Turoff, Wm. J., New York, N. Y. Men's belts and vests. 204,818; Oct. 27; Serial No. 214,833; published Aug. 11, 1925.

Tydee Laboratories, The. (See Morse, Clifton B.)

Ucanco Candy Co., Davenport, Iowa. Candy. 204,828; Oct. 27; Serial No. 214,190; published Aug. 11, 1925.

Unimaginable Healing Oil Mfg. Co., Little Rock, Ark. Healing oil. 204,921; Oct. 27; Serial No. 213,105; published Aug. 4, 1925.

Union Oil & Supply Company, Milwaukee, Wis. Lubricating oils, greases, and compounds. 204,877; Oct. 27; Serial No. 216,858; published Aug. 11, 1925.

Universal Paper Goods Company, Los Angeles, Calif. Envelopes and filing containers. 204,932; Oct. 27; Serial No. 209,255; published July 28, 1925.

Valentine & Company, New York, N. Y. Composition for treating textile fabrics. 205,011; Oct. 27; Serial No. 215,035; published July 28, 1925.

Valvoline Oil Company, Edgewater, N. J., and New York, N. Y. Lubricating and illuminating oils. 204,761; Oct. 27; Serial No. 214,760; published July 21, 1925.

Van, Billy B., Newport, N. H. Toilet soap. 204,979; Oct. 27; Serial No. 213,464; published Aug. 11, 1925.

Van Vleet-Mansfield Drug Co., Memphis, Tenn. Remedy for the cure of rheumatism. 48,967; renewed Jan. 16, 1926.

Vivaudou, V., Inc., New York, N. Y. Face powders, toilet waters, nail polishes, smelling salts, etc. 204,987; Oct. 27; Serial No. 211,727; published July 21, 1925.

Von Gunther, Andreas, Seattle, Wash. Pharmaceutical preparation for relief of asthma, bronchitis, and hay fever. 204,908; Oct. 27; Serial No. 215,489; published July 21, 1925.

Wallin Mfg. Co., St. Paul, Minn. Shoe-shining polish. 204,940; Oct. 27; Serial No. 172,307; published Mar. 17, 1925.

Walther & Company, Inc., New York, N. Y. Safety paper. 205,014; Oct. 27; Serial No. 214,935; published July 28, 1925.

Warner Brothers Pictures, Inc., New York, N. Y. Motion-picture films. 205,030; Oct. 27.

Warner, William R., & Co., Philadelphia, Pa., assignor to William R. Warner & Co., Inc., New York, N. Y. Remedy for certain named diseases. 49,137; renewed Jan. 23, 1926.

Warner, William R., & Co., Inc., New York, N. Y. Medicinal preparation for treatment of acid stomach, nausea, diabetes, etc. 204,914; Oct. 27; Serial No. 214,903; published July 21, 1925.

Warriner, Verne S., Denver, Colo. Monthly magazine. 204,740; Oct. 27; Serial No. 215,542; published July 28, 1925.

"Wash-Rite" Products Mfg. Co. (See Hemple, Leon.)

Waterbury Clock Company. (See Ingersoll, Robt. H., & Bro.)

Wellington & Ward Ltd., Elstree, England. Sensitized photographic paper. 204,799–800; Oct. 27; Serial Nos. 190,323–4; published Aug. 11, 1925.

Wesley, Edward, & Company, Cincinnati, Ohio. Remedy for treatment of the feet. 204,938; Oct. 27; Serial No. 194,092; published July 28, 1925.

Wessell, Nickel & Gross, New York, N. Y. Piano actions. 48,261; renewed Dec. 19, 1925.

Western Pacific Fruit Co., Honolulu, Hawaii. Coffee. 204,791; Oct. 27; Serial No. 201,825; published Aug. 18, 1925.

Wetherill, Samuel P., jr., Philadelphia, Pa. Organic material used as a fertilizer. 204,764; Oct. 27; Serial No. 215,286; published Aug. 4, 1925.

White, S. S., Dental Mfg. Co., The, Philadelphia, Pa.; Chicago, Ill.; New York, Brooklyn, and Rochester, N. Y.; Boston, Mass.; Atlanta, Ga.; New Orleans, La.; Toronto, Canada; Buenos Aires, Argentina; Berlin, Germany; and St. Petersburg, Russia; The S. S. White Dental Mfg. Co., Philadelphia, Pa. Dental varnish. 49,134; renewed Jan. 23, 1926.

Whitman, Clarence, & Co., New York, N. Y., assignor to Ponemah Mills, Taftsville, Conn. Mercerized cotton fabrics. 49,064; renewed Jan. 23, 1926.

Whittier Mills, Chattahoochie, Ga., assignor to Whittier-Wellington Corporation of Massachusetts, Newtonville, Mass. Braided cord. 49,367–8; renewed Jan. 30, 1926.

Willcocks, Ida, doing business as Mme. Raymond, New York, N. Y. Pharmaceutical preparation for removing hair. 204,893; Oct. 27; Serial No. 216,002; published July 28, 1925.

Williams Company, The, London, Ohio. Steel wool. 204,736; Oct. 27; Serial No. 215,671; published Aug. 4, 1925.



Williams, R. C., & Co.; R. C. Williams & Co., Inc., New York, N. Y., successor. Vegetable and fruit preserves, jams, jellies, etc. 48,900; renewed Jan. 16, 1926.

Williams, R. C. & Co., assignor to R. C. Williams & Co., Inc., New York, N. Y. Canned fish, clams, and oysters. 49,087; renewed Jan. 23, 1926.

Wimbar, Inc. (See Wimpfheimer, Lloyd A., assignor.)

Wimpfheimer, Lloyd A., assignor to Wimbar, Inc., New York, N. Y. Golf irons and clubs. 205,034; Oct. 27.

Windsor, Frederick E., Warren, Pa. Windshield-cleaning pads. 204,907; Oct. 27; Serial No. 215,494; published Aug. 11, 1925.

Wofford Oil Company, Birmingham, Ala. Gasoline. 204,918; Oct. 27; Serial No. 214,764; published July 21, 1925.

Wyoming Shovel Works, The, Wyoming, Pa. Shovels, spades, and scoops. 48,962; renewed Jan. 16, 1926.

York, Chauncey F., Warriorsmark, Pa., assignor to Harry J. York, Detroit, Mich. Pills and tablets. 48,538; renewed Jan. 2, 1926.

Young, Barnett R., Brownwood, Tex. Medicine. 204,995; Oct. 27; Serial No. 209,014; published July 7, 1925.

Youthol Co., The. (See Hurst, William O.)

Yum Chemical Company, Incorporated, Brooklyn, N. Y. Remedy for headaches, neuralgia, and colds. 204,926; Oct. 27; Serial No. 211,650; published July 28, 1925.

Zuniga, W. Olvera, doing business as Olvera Drug Co., El Paso, Tex. Women's tonic. 205,006; Oct. 27; Serial No. 215,325; published July 28, 1925.

# ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Awad, Leo J., doing business as L. J. Awad Manufacturing Company, Shenandoah, Pa. Lejaw. For a General Cleanser in Powder Form. 29,371; Oct. 27.

Binghamton Candy Co., Inc., Binghamton, N. Y. Wild Rose Salt Water Taffy. For Candy. 29,372; Oct. 27.

Dome Oyle Co., Washington, Pa. Dome Oyle. For a Scalp or Hair Tonic. 29,373; Oct. 27.

Frisch, Emile, Chicago, Ill. Butter-Nut Bread. For Bread. 29,374; Oct. 27.

Guentrath-Lorenzen, F., Chicago, Ill. Mrs. Guentrath 2-Minute Pudding. For Ready-Prepared Material for Making Puddings. 29,375; Oct. 27.

Hires Turner Glass Company, Philadelphia, Pa. Hires Turner Residential Glass. For Glass. 29,376; Oct. 27.

Jackson Brewing Company, New Orleans, La. Jackson Root-Beer. For Root Beer. 29,377; Oct. 27.

Jackson Brewing Company, New Orleans, La. Jax. For Malt Tonic. 29,378; Oct. 27.

Jackson Brewing Company, New Orleans, La. Jackson Grape Punch. For Grape Punch. 29,379; Oct. 27.

Jackson Brewing Company, New Orleans, La. Sazerac. For Ginger Ale. 29,380; Oct. 27.

Jewel Tea Co., Inc., Chicago, Ill. Corn Starch. For Cornstarch. 29,381; Oct. 27.

Liquid Malted Milk Co., Cedar Rapids, Iowa. Leo's Hopped Special Malt Extract. For Malt Extract for Food Purposes. 29,382; Oct. 27.

Mansion House Ice Cream Company. (See Menasha Printing and Carton Company, assignor.)

Menasha Printing and Carton Company, Menasha, Wis., assignor to Mansion House Ice Cream Company, East Cambridge, Mass. Mansion House Ice Cream. For Ice Cream. 29,383; Oct. 27.

Midland Food Products Corporation, Salisbury, Md. Willow Tree. For Multispice Pickle. 29,384; Oct. 27.

Pratt-Low Preserving Company, Santa Clara, Calif. Prattlow (#1). For Canned Apricots. 29,385; Oct. 27.

Pratt-Low Preserving Company, Santa Clara, Calif. Prattlow (#2). For Canned Yellow Cling Peaches (Halves). 29,386; Oct. 27.

Pratt-Low Preserving Company, Santa Clara, Calif. Prattlow (#3). For Canned Figs. 29,387; Oct. 27.

Pratt-Low Preserving Company, Santa Clara, Calif. Prattlow (#4). For Canned Fruit for Salad. 29,388; Oct. 27.

Pratt-Low Preserving Company, Santa Clara, Calif. Prattlow (#5). For Canned Pears. 29,389; Oct. 27.

Pratt-Low Preserving Company, Santa Clara, Calif. Prattlow (#6). For Canned Royal Anne Cherries. 29,390; Oct. 27.

Pratt-Low Preserving Company, Santa Clara, Calif. Prattlow (#7). For Canned Sliced Hawaiian Pineapple. 29,391; Oct. 27.

Red Sun Products Co., Chicago, Ill. Family. For Malt Sirup. 29,392; Oct. 27.

Roddenbery, Walter B., Cairo, Ga. Happy Kids. For Sorghum Sirup Blended with Corn Sirup. 29,393; Oct. 27.

Riveira & Gonzalez, San Francisco, Calif. El Revino. For Cigars. 29,394; Oct. 27.

Shelby Gum Co., The, Shelby, Ohio. Blow Gum. For Chewing Gum. 29,395; Oct. 27.

Sutherland Paper Company, Kalamazoo, Mich. Sunflower Brand. For Butter. 29,396; Oct. 27.

Sutherland Paper Company, Kalamazoo, Mich. It's Pure—That's Sure. For Ice Cream. 29,397; Oct. 27.

Sutherland Paper Company, Kalamazoo, Mich. Velvet Ice Cream. For Ice Cream. 29,398; Oct. 27.

Thomas, Hilton, Brunswick, Ga. Eye Ease Eye Water. For a Preparation for Diseases of the Eye, Sores, and Ulcers. 29,399; Oct. 27.

Tru-Blu Biscuit Company, Spokane, Wash. Tru Bake. For Biscuits. 29,400; Oct. 27.

Warren Manufacturing Company, The, New York, N. Y. Riegel's Jewel Brand Glassine. For Glassine Paper. 29,401; Oct. 27.

Wentzel, Mary S., Roxborough, Philadelphia, Pa. Kleanzem. For a Cleaning Compound. 29,402; Oct. 27.

White-Haines Optical Co., The, Columbus, Ohio. Prescription Lens. For Lenses. 29,403; Oct. 27.

Whitney, Floyd W., Ysleta, Tex. Fronterisa. For Cantaloupes. 29,404; Oct. 27.

Wizard, Inc., Chicago, Ill. Wizard. For Polish Mops. 29,405; Oct. 27.

# ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Cadet Knitting Company, Philadelphia, Pa. Beautifies the Ankle. For Hosiery. 8,277; Oct. 27.

Cream of Wheat Co., Minneapolis, Minn. Rich food values in Cream of Wheat. For Wheat Breakfast Food. 8,278; Oct. 27.

Fisher, Norman A., Los Angeles, Calif. Why Drive an Old Car? For Varnishes and Enamels. 8,279; Oct. 27.

Fisher, Norman A., Los Angeles, Calif. Fisher's Bak-E-Nam-El. For Varnishes and Enamels. 8,280; Oct. 27.

Heinz, H. J., Co., Pittsburgh, Pa. Why Heinz Beans are Oven Baked. For Heinz Oven-Baked Beans. 8,281; Oct. 27.

Heinz, H. J., Co., Pittsburgh, Pa. Baked-How Webster Defined it. For Heinz Oven-Baked Beans. 8,282; Oct. 27.

Heinz, H. J., Co., Pittsburgh, Pa. That Fresh From the Garden Taste. For Heinz 57 Varieties. 8,283; Oct. 27.

International Safety Razor Corporation, Bloomfield, N. J. Speedway. For Razor Blades. 8,284; Oct. 27.

Kansas Grocery Company, Atchison, Kans. Hy Quality Lo Prices. For Meats and Groceries. 8,285; Oct. 27.

Mathews, Frederick C., Company, Detroit, Mich. Mary Sunshine Skating. For Milk. 8,286; Oct. 27.

Mathews, Frederick C., Company, Detroit, Mich. Mary Sunshine With Sleigh. For Milk. 8,287; Oct. 27.

Mathews, Frederick C., Company, Detroit, Mich. Mary Sunshine Skipping Rope. For Milk. 8,288; Oct. 27.

Mathews, Frederick C., Company, Detroit, Mich. Mary Sunshine At Seashore. For Milk. 8,289; Oct. 27.

Meyer, Wm., Co., The, Chicago, Ill. Sun-Aero. For Hair Drier. 8,290; Oct. 27.

Reid, Murdoch & Co., Chicago, Ill. Good Cheer—Always. For Groceries. 8,290; Oct. 27.

Reid, Murdoch & Co., Chicago, Ill. Time Tells The Story. For Groceries. 8,291; Oct. 27.

Rochester Self-Binder Co. Inc., The, Rochester, N. Y. The Binder That Builds Books. For Self-Binders for Stationery. 8,292; Oct. 27.

Sears, Roebuck and Co., Chicago, Ill. Madame Annette-on the new hairdress. For Hair Goods. 8,293; Oct. 27.

Wein Sales Corporation, New York, N. Y. Ask For The Valve Inside With The Red Collar. For Valves. 8,294; Oct. 27.

Wolff, Joseph H., Canton, Ohio. The Home of A Million Parts. For Used Parts for Automobiles. 8,295; Oct. 27.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

**PUBLISHED FOR OPPOSITION.**

**[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]**

A. S. Elyantfabriken Viking, Copenhagen, Denmark. Pencils. 202,690; Oct. 27.

Abraham & Straus, Inc., New York, N. Y. Coats, vests, trousers, hats and caps, hosiery, bath robes, gloves, etc. 210,429; Oct. 27.

Aktiebolaget Formator, Stockholm, Sweden. Cigar and cigarette making machines and other machines pertaining to the tobacco industry, planting machines, etc. 212,313; Oct. 27.

Aktiebolaget Separator, Stockholm, Sweden. Bedpans, covers therefor, disinfecting kettles, irrigators, etc. 216,663; Oct. 27.

Alaska Salmon Company, San Francisco, Calif. Canned salmon. 210,777; Oct. 27.

American Automatic Devices Company. (See Ritz-Woller, Oliver C.)

American Cap Manufacturing Co., Inc., Louisville, Ky. Caps. 218,037; Oct. 27.

American Chicle Company, Long Island City, N. Y. Chewing gum. 213,881; Oct. 27.

American Chicle Company, Long Island City, N. Y. Chewing gum. 220,058; Oct. 27.

American Flyer Mfg. Co., Chicago, Ill. Miniature railroads. 220,100; Oct. 27.

American Sales Book Company, Limited, Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y. Paper sheets, strips, and rolls suitable for manifolding use, printed forms, etc. 212,989; Oct. 27.

Amusement Publishing Co., Atlantic City, N. J. Monthly publication. 215,289; Oct. 27.

Ansco Photoproducts, Inc., Binghamton, N. Y. Photographic prints. 218,682; Oct. 27.

Appleton Coated Paper Company, The, Appleton, Wis. Coated one and coated two sides bond paper in white and colors. 215,958; Oct. 27.

Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Chemical products to be added to motor fuels to prevent the motor from knocking. 215,960–1; Oct. 27.

Bar Merchandise Company. (See Rubenstein, Sol H.)

Barber, W. H., Company, Minneapolis, Minn. Gasoline, kerosene, fuel oil, and petroleum distillate. 218,786; Oct. 27.

Barrows Optical Corporation, Providence, R. I. Ophthalmic mountings. 220,171; Oct. 27.

Becker, Louis, doing business as Becker Fils, Paris, France. Perfumes, toilet water, face and talcum powder, etc. 218,685; Oct. 27.

Berninghaus, Eugene, Company, The, Cincinnati, Ohio. Toilet water. 219,218; Oct. 27.

Berry, Dr. C. H., Company, Chicago, Ill. Face and cream powders, rouge, and powder and rouge compacts. 218,445; Oct. 27.

Blair Canning Co., Blair, Wis. Canned peas, kraut, and beans. 215,678; Oct. 27.

Blakeman, Wood, doing business as The Hoosier Preserving Co., Indianapolis, Ind. Fruit preserves, tomato catchup, salad dressing, peanut butter, etc. 216,581; Oct. 27.

Bochmann, F. A., & Co. Inc., Philadelphia, Pa. Worsted and woolen dress goods. 216,451; Oct. 27.

Booth, F. E., Co., San Francisco, Calif. Canned fruits. 216,870; Oct. 27.

Bramigk, Werner E., doing business as Kraftstudio, Detroit, Mich. Bronze powders and liquids, kraft gesso, linseed oil, etc. 197,701; Oct. 27.

Brand & Company, Limited, London and Leicester, England. Meat extracts and essences, canned and bottled soups and broths, table jellies, etc. 211,453; Oct. 27.

Brannen, F. J., Company, The, Cleveland, Ohio. Liquid-supply-indicating devices. 219,374; Oct. 27.

Breed and Breed, Winchester, Mass. Confectionery and nuts. 217,321; Oct. 27.

Brown, F. C., & Company, Chicago, Ill. Coffee and tea. 218,595; Oct. 27.

Buhl, Lucille, Inc., New York, N. Y. Depilatory. 219,223; Oct. 27.

Cafiero & Mencacci, Brooklyn, N. Y. Canned fruits, vegetables, and fish, and olive oil, macaroni, and tomato paste. 215,232; Oct. 27.

Campbell's Ice Cream Factory, Ltd., Shreveport, La. Ice cream. 211,974; Oct. 27.

Cannon Mills, Incorporated, New York, N. Y. Sheets and pillowcases. 215,679; Oct. 27.

Carnegie, John F. (See Devore, Annie S.)

Cavanagh-Whiting Co. Inc., New York, N. Y. Printed cotton and wool fabrics in the piece. 218,606; Oct. 27.

Certified Laboratory Products Inc., Glendale, Calif. Chemical gases. 205,742; Oct. 27.

Chester, F. E., Mfg. Co., The, Bellefont and Providence, R. I. Fishing tackle. 219,877; Oct. 27.

Citizens' Wholesale Supply Co., The, Columbus, Ohio. Mixture of gelatine and sugar for quick desserts and flavored with different flavors. 218,539; Oct. 27.

Citizens' Wholesale Supply Co., The, Columbus, Ohio. Food compound. 218,540; Oct. 27.

Clark, D. L., Co., The, Pittsburgh, Pa. Candy. 215,735; Oct. 27.

Cohen, Hymen, doing business as Manhattan Woolen Mills, Duluth, Minn. Knitted sweaters, mackinaw coats, underwear, hose, etc. 217,921; Oct. 27.

Cohn-Hall-Marx Co., New York, N. Y. Cotton, cotton and silk, etc., fabrics in the piece. 218,001; Oct. 27.

Cold Blast Feather Company, The, Philadelphia, Pa. Sheets, pillowcases, bedspreads, etc. 185,815; Oct. 27.

Columbia Oil Company, Inc., Rossiyn, Va. Lubricating oil. 219,028; Oct. 27.

Consolidated Glove & Hosiery Corporation, San Francisco, Calif. Hosiery. 216,713; Oct. 27.

Consumers Products Co., Brooklyn, N. Y. Malt sirup, nonalcoholic. 202,846; Oct. 27.

Cook-Lewis Foundry Company, The, Greensboro, N. C. Wood-sawing machines. 215,969; Oct. 27.

Costa, Ferdinand, doing business as James Kennedy Laboratories, Chicago, Ill. Remedy for corns, etc. 217,863; Oct. 27.

Courrier d'Air Products Co. (See Fries & Fries Co., The.)

Crawford McGregor and Canby Company, The, Dayton, Ohio. Golf clubs. 220,112; Oct. 27.

Cream of Chocolate Company of America, Waltham, Mass. Chocolate preparation. 219,061; Oct. 27.

Crown Cork and Seal Company of Baltimore City, The, Baltimore, Md. Closures for receptacles. 219,063; Oct. 27.

Crown Cork and Seal Company of Baltimore City, The, Baltimore, Md. Closures for receptacles. 219,233; Oct. 27.

D-A Lubricant Company, Inc., Indianapolis, Ind. Lubricating greases. 219,383; Oct. 27.

Dario Company, Boston, Mass. Dish-washing appliances. 214,463; Oct. 27.

Daudelin, Louis C., doing business as The Heal-U Company, Baltimore, Md. Salve for treatment of hemorrhoids and cream for treatment of skin eruptions. 218,451; Oct. 27.

Delaney, Peter, doing business as Delaney & Young, Eureka, Calif. Candy. 218,167; Oct. 27.

De Long Hook and Eye Company, The, Philadelphia Pa. Wire hairpins. 197,065; Oct. 27.

Deminico, Mariano, Boston, Mass. Olive oil. 196,730; Oct. 27.

Dent, Reuben H., London, England. Instruments and apparatus for the aid of deaf persons. 219,817; Oct. 27.

Detmer, Bruner & Mason, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 217,014; Oct. 27.

Devore, Annie S., doing business as John F. Carnegie, Chicago, Ill. Bulgarian sour milk. 214,465; Oct. 27.

Diamond Expansion Bolt Co., New York, N. Y. Securing expansions and anchors, expansion fasteners, nails, etc. 216,889; Oct. 27.

Dickinson, E. E., Co., The, Essex, Conn. Extract of witch-hazel. 218,054; Oct. 27.

Dominion Ginger Ale Corp., New York, N. Y. Ginger-ale beverage and sirup for making the same. 219,885; Oct. 27.

Durr Drug Company, Montgomery, Ala. Sodium bicarbonate, powdered boric acid, etc. 218,169; Oct. 27.

Edouard Dubied & Cie. Société Anonyme, Couvet, near Neuchâtel, Switzerland. Knitting machines, needles, and parts of knitting machines. 217,266; Oct. 27.

Eisenlohr, Otto, & Bros. Incorporated, Philadelphia, Pa. Articles and devices for smokers. 194,986; Oct. 27.

Electro Dental Manufacturing Co., Philadelphia, Pa. Dental equipment. 220,221–2; Oct. 27.

Ensemble Manufacturing Co., Inc., Washington, D. C. Skin lotions, antiseptic and soothing powder, and face cream. 219,662; Oct. 27.

Enterprise Belt Mfg. Co. Inc., New York, N. Y. Belts and garters for personal wear. 218,801; Oct. 27.

Ernstberger, H., & Co., New York, N. Y. Fabrics made of worsted and wool yarn. 216,267; Oct. 27.

Escondido Fruit Growers Association, Escondido, Calif. Oranges, lemons, and grapefruit. 213,776; Oct. 27.

Fabbriche di Cioccolato e Cacao Michele Talmone Società Anonima, Turin, Italy. Chocolate, cocoa, biscuits, caramels, and sweet meats. 217,606; Oct. 27.

Farley & Loetscher Mfg. Co., Dubuque, Iowa. Sliding stairways. 217,077; Oct. 27.

Federal Carbide Co., Anniston, Ala. Calcium carbide. 218,545; Oct. 27.

Feldmann Fine Arts Co., St. Louis, Mo. Art materials. 203,804; Oct. 27.

Ferris, F. A., & Company, New York, N. Y. Smoked meats such as hams. 164,755; Oct. 27.

Fidelity Hop & Malt Company, Chicago, Ill. Malt sirup for beverage purposes. 211,581; Oct. 27.





Fidelity Hop & Malt Company, Chicago, Ill. Malt sirup for beverages. 211,583; Oct. 27.

Fillis, James A., Brooklyn, N. Y. Remedy for dandruff, falling hair, and as a hair tonic. 218,694; Oct. 27.

Fischer, Haydn L., doing business as Sugar-Lax Products Co. Not Inc., Kewanee, Ill. Laxative. 215,741; Oct. 27.

Florida Bottler's Co., Jacksonville, Fla. Beverages, extracts, concentrates, and sirups for making the same. 219,480; Oct. 27.

Frances Jordan, Incorporated, Philadelphia, Pa. Massage devices. 217,279; Oct. 27.

Frankel Bros., New York, N. Y. Men's coats, vests, trousers, and knickerbockers. 214,720; Oct. 27.

Franklin, Simon & Co., Inc., New York, N. Y. Cologne, extracts, toilet waters, eyedrops, etc. 212,802; Oct. 27.

Franklin Simon & Co., Inc., New York, N. Y. Talcum and face powders, bath salts, cold creams, etc. 213,494; Oct. 27.

French Perfume Company. (See Kavarnos, Charles.)

"Friend" Manufacturing Co., Gasport, N. Y. Insecticide sprayers and parts therefor. 211,204; Oct. 27.

Fries & Fries Co., The, doing business as Courrier d'Air Products Co., Cincinnati, Ohio, and New York, N. Y. Cosmetics and toilet preparations. 216,971; Oct. 27.

Frostproof Citrus Growers Assn., Frostproof, Fla. Citrous fruits. 187,415; Oct. 27.

Gallaher Limited, Belfast, Ireland. Tobacco, cigars, and cigarettes. 207,348; Oct. 27.

General Leather Company, Newark, N. J. Leather. 201,807; Oct. 27.

General Match Company, The, Reading, Cincinnati, Ohio. Matches. 218,698; Oct. 27.

Gilbert, Edgar, doing business as Gilbert Laboratories, White Plains, N. Y. Chemical compound of guaiacol. 218,548; Oct. 27.

Gilbert, Martin, Reedley, Calif. Fresh grapes, pears, plums, etc. 203,265; Oct. 27.

Gold, Arthur A., Charleston, W. Va. Liquid contact insecticide. 219,070; Oct. 27.

Golden West Knitting Mills, Los Angeles, Calif. Sweaters. 218,172; Oct. 27.

Gorodess, Edward, doing business as The Gray Chemical Company, New York, N. Y. Headache powders, eye lotions, face creams, liniments, etc. 216,833; Oct. 27.

Goyer Company, The, Greenville, Miss. Coffee. 204,096; Oct. 27.

Gravier, Alphonse, Neuilly-sur-Seine, France. Perfumes, toilet water, face cream, etc. 218,256; Oct. 27.

Gray Chemical Company, The. (See Gorodess, Edward.)

Great American Tea Company, The, Brooklyn, N. Y. Tea, coffee, rice, macaroni, chocolate, and cocoa, etc. 209,402; Oct. 27.

Greenbaum, Harry L., doing business as Technical Color & Chemical Works, Brooklyn, N. Y. Oxalic acid, Bismarck brown aniline, electric-bulb coloring, denatured alcohol, and spray perfume. 218,234; Oct. 27.

Greenburg, Lee C., Kokomo, Ind. Medicated paraffin stick, used as a preservative of razor blades. 218,409; Oct. 27.

Griffin Manufacturing Co., Inc., New York, N. Y. Dye for leather. 205,117; Oct. 27.

Grocers Supply Co., The, Salt Lake City, Utah. Malt sirup for food purposes. 218,482; Oct. 27.

Grossman, Isidore, doing business as Grossman Clothing Co., New York, N. Y. Men's outer suits. 219,534; Oct. 27.

Hakstad, Bastian N., doing business as B. N. Hakstad & Company, Chicago, Ill. Cod-liver oil. 219,032; Oct. 27.

Halff, M., & Bro., San Antonio, Tex. Bleached woven cotton cloth. 220,232; Oct. 27.

Halliwell Electric Co., Inc., New York, N. Y. Massage machines and violet-ray apparatus. 208,049; Oct. 27.

Harris, C. & T., (Caine) Limited, Caine, Wiltshire, England. Bacon. 219,279; Oct. 27.

Hartman Furniture & Carpet Co., Chicago, Ill. Chinaware and china dinner sets. 202,869; Oct. 27.

Hart, Schaffner & Marx, Chicago, Ill. Men's suits and coats and women's coats. 219,536; Oct. 27.

Hawley & Hoops, New York, N. Y. Chewing candy. 214,660; Oct. 27.

Hawley Pulp and Paper Company, Oregon City, Oreg. Oil-treated wraps for fruit adapted to preserve the latter. 218,812; Oct. 27.

Hayward, Jane B., Babylon, N. Y. Perfumes. 200,557; Oct. 27.

Heal-U Company, The. (See Daudelin, Louis C.)

Heatbath Corporation, The, Springfield, Mass. Salt bath for hardening and tempering materials. 219,071; Oct. 27.

Henneberry & Company, Arkansas City, Kans. Hams, bacon, shoulders, and sausage. 219,128; Oct. 27.

Henry, Beulah L., New York, N. Y. Soap sponges. 202,013; Oct. 27.

Hevenor, Harvey H., New York, N. Y. Self-contained lather forming and applicating apparatus. 219,184; Oct. 27.

Hirsch Brothers Co., Chicago, Ill. Mixture for making meringues, icings, candy, and confectionery. 196,457; Oct. 27.

Hiscox Chemical Works, Patchogue, N. Y. Hair balsam for restoring color to gray or faded hair. 218,701; Oct. 27.

Hiscox Chemical Works, Patchogue, N. Y. Remedies for the cure of corns. 218,702; Oct. 27.

Hiscox Chemical Works, Patchogue, N. Y. Hair balsam for restoring color to gray or faded hair. 218,703; Oct. 27.

Hitch, Frederick C., New York, N. Y. Cigarettes. 219,626; Oct. 27.

Hoffman, J. S., Company, Chicago, Ill. Sausage. 204,910; Oct. 27.

Hofmayer Dry Goods Co., Albany, Ga. Hosiery. 219,484; Oct. 27.

Holland Shoe Co., Holland, Mich. Leather boots and shoes. 218,972; Oct. 27.

Hooker Electrochemical Company, New York, N. Y. Chemical compositions for cleaning drain pipes, sewers, etc., and for thawing frozen pipes. 218,640–1; Oct. 27.

Hoosier Preserving Co., The. (See Blakeman, Wood.)

Hornberger, Melvin J., Youngstown, Ohio. Coal. 212,686; Oct. 27.

Horrocks-Ibbotson Co., Utica, N. Y. Fishing rods. 219,586; Oct. 27.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 219,627–30; Oct. 27.

Hrejsa, Joseph F., Chicago, Ill. Pills for constipation. 211,105; Oct. 27.

Hrushka, Fred F., doing business as Shaver Root Co., Wagner, S. Dak. Salve for treating eczema and diseases of the scalp and skin. 210,557; Oct. 27.

Independence Coffee & Spice Co., Denver, Colo. Coffee. 218,644; Oct. 27.

Insulating Materials Company, Detroit, Mich. Sewing threads. 217,620; Oct. 27.

International Milling Company, Minneapolis, Minn. Wheat flour. 218,462; Oct. 27.

J. S. & J. F. String Incorporated, New Haven, Conn. Strainers and valves for fuel-oil lines. 218,507; Oct. 27.

Jacobi, Edwin B., doing business as Lan-o-sin Co., Fayette, Mo. Medicinal preparation used in the treatment of the feet. 215,747; Oct. 27.

Jaeger Chemical Company, Inc., New York, N. Y. Semi-fluid composition for use as a dressing for articles of rubber, leather, etc. 218,126; Oct. 27.

Jaeger, Leon L., doing business as H. B. Jaeger Laboratories, Springfield, Ill. Hair tonics. 217,885; Oct. 27.

Jiffy Manufacturing Company, Huron, S. Dak. Preparation for stopping leaks in radiators. 219,631; Oct. 27.

Johnson, Alfonzo G., doing business as Standard Homes Company, Washington, D. C. Books of plans and plans. 216,185; Oct. 27.

Johnson Brothers, (Hanley) Limited, Stoke-on-Trent, England. Table and earthen ware. 215,515; Oct. 27.

Johnson High Test Oil Company, Freeport, Ill. Gasoline. 218,361; Oct. 27.

Johnson High Test Oil Company, Freeport, Ill. Lubricating oils. 218,362; Oct. 27.

Johnson, Orton A., doing business as The Orton A. Johnson Co., Washington, D. C. Mouth wash, a pharmaceutical preparation. 219,632; Oct. 27.

Jonas, L., & Co., Nashville, Tenn. Ladies' and misses' hats. 217,935; Oct. 27.

Kali Manufacturing Co., Philadelphia, Pa. Chemicals and alkalies, such as soda ash, sal soda, etc. 219,073; Oct. 27.

Kaplan, A., doing business as The Liberty Feed Mills, Kaplan, La. Prepared stock food (molasses), not medicated. 217,465; Oct. 27.

Kavarnos, Charles, doing business as French Perfume Company, Pittsburgh, Pa. Perfumes, toilet waters, face and toilet powders, and facial creams. 218,463; Oct. 27.

Kelly, John F., Lexington, Ky. Store furniture. 216,050; Oct. 27.

Kennedy, James, Laboratories. (See Costa, Ferdinand.)

Kinnear, John A., Seattle, Wash. Portable bungalows. 213,655; Oct. 27.

Klein, Melville J., doing business as Klein Tamales Company, Memphis, Tenn. Canned tamales. 218,764; Oct. 27.

Knoblock, James B., Columbus, Miss. Stock remedy for the elimination of worms, remedy for diarrhea, colic, and indigestion in general. 218,977; Oct. 27.

Kraftstudio. (See Bramigk, Werner E.)

Kroh, Myrtle M., doing business as C. Irving Kroh Co., Silver Run, Md. Canned vegetables. 219,747; Oct. 27.

Krusin, Katerina, Chicago, Ill. Salve for the treatment of open flesh wounds and cuts. 219,125; Oct. 27.

Kwickglo Enamel Co., Los Angeles, Calif. Auto enamels. 216,736; Oct. 27.

Laadt Corporation, The, Chicago, Ill. Chemicals for cleaning clothing. 217,567; Oct. 27.

Lackawanna Leather Company, The, Hackettstown, N. J. Hides. 213,244; Oct. 27.

Lan-o-sin Co. (See Jacobi, Edwin B.)

Law Canning Company, The, Portland, Oreg. Chicken chop suey. 216,551; Oct. 27.

Lawrence, A. C., Leather Company, Boston, Mass. Leather. 219,126; Oct. 27.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Lemeland, Pierre, Paris, France. Toilet powder. 218,261; Oct. 27.
Lewis, A. Rockford, New Orleans, La. Oil for the treatment of rheumatism. 219,128; Oct. 27.
Lewis, Ben, New York, N. Y. Boots, shoes, and slippers, and hosiery. 218,923; Oct. 27.
Liberty Feed Mills, The. (See Kaplan, A.)
Lifton Mfg. Co., New York, N. Y. Brief cases, musical instrument and card cases, and wallets. 218,263; Oct. 27.
Lignosefilm G. m. b. H., Berlin, Germany. Photographic plates and films. 218,494–5; Oct. 27.
Live Stock Exchange Inc., Des Moines, Iowa. Printed circulars and publications. 201,570; Oct. 27.
Livingston Co., The, New Haven, Conn. Metal and nickel polishes, hand soap, mohair dressing, etc. 214,024; Oct. 27.
Lubin, Morris, doing business as Lubinette Knitting Mills, New York, N. Y. Raven artificial silk knitted materials in the piece. 220,348; Oct. 27.
Mabie-Werke G. m. b. H., Bad Schwartau, near Lubeck, Germany. Marchpane. 211,172; Oct. 27.
Mainzer, Adolf J., Inc., Long Island City, N. Y. Coatings for fruit tarts, etc. 219,541; Oct. 27.
Manhattan Woolen Mills. (See Cohen, Hymen.)
Marshall Fields & Company, Chicago, Ill. Cotton poplin piece goods. 218,620; Oct. 27.
Martí y Gutiérrez, Alcala de Guadaira, Seville, Spain. Olive oil. 181,202; Oct. 27.
Martin County Co-Op. Oil Company, Triumph, Minn. Gasoline, kerosene, and lubricating oils. 217,939; Oct. 27.
Mawson, John, Hair Cloth Co. Inc., The, Philadelphia, Pa. Cotton, wool, and silk piece goods and combinations of the same. 220,291; Oct. 27.
May Pro Company, Inc., Brooklyn, N. Y. Mayonnaise and salad dressings. 217,723; Oct. 27.
McDongall-Butler-Co., Inc., Buffalo, N. Y. Enamel paint. 218,711; Oct. 27.
McFarland, Charles A., Helena, Mont. Medicine for cold and grippe and headache. 215,377; Oct. 27.
McKeown, Charles H., doing business as C. H. McKeown Company, Cleveland Ohio. Cod-liver compound tablets. 216,196; Oct. 27.
Metal & Thermit Corporation, New York, N. Y. Enameling compound for ceramic ware. 201,503; Oct. 27.
Meyenberg Evaporated Milk Co., San Francisco, Calif. Evaporated milk. 218,269; Oct. 27.
Mimosa Aktiengesellschaft, Dresden, Germany. Photographic developers, toning baths, etc. 218,076; Oct. 27.
Mission Maple Syrup Co., Los Angeles, Calif. Table sirup. 215,086; Oct. 27.
Mosca, Frank, Inc., Brooklyn, N. Y. Canned peas, corn, string beans, and tomatoes. 209,135; Oct. 27.
Morse, E. E., Lodi, Calif. Fresh cherries, apricots, peaches, plums, and grapes. 218,865; Oct. 27.
Mott Mfg. Co., Brooklyn, N. Y. Soaps. 218,132; Oct. 27.
Mulford, H. K., Company, Philadelphia, Pa. Vaginal suppositories. 218,365; Oct. 27.
Mulford, H. K., Company, Philadelphia, Pa. Cathartic and laxative compound. 218,367; Oct. 27.
Munselle, Oliver, Post, Tex. Bluing. 203,050; Oct. 27.
Murphy, R. M. and J. J., Statesboro, Ga. Liniment for the treatment of rheumatism. 216,793; Oct. 27.
N'-V Products Co., The. (See Remington, Henry F.)
Naamlooze Vennootschap Hollandsche Cacao- en Chocoladefabrieken Vorheen Bensdorp & Co., Amsterdam, Holland. Chocolate. 219,297; Oct. 27.
Nailcraft Co., The, Brooklyn, N. Y. Liquid nail polish. 217,949; Oct. 27.
National Commodities Sales Corporation, Philadelphia, Pa. Hair nets. 219,490; Oct. 27.
National Department Stores Inc., New York, N. Y. Silks and pile fabric in the piece, rugs, and draperies, etc. 200,508; Oct. 27.
National Oil and Chemical Company, Philadelphia, Pa. Degumming agent. 218,771; Oct. 27.
National Toilet Company, Paris, Tenn. Vanishing cream, almond lotion, hair shampoo, etc. 219,404; Oct. 27.
Newbark Company, The, Kirkland, N. Y. Compound for the treatment and repair of trees. 211,540; Oct. 27.
Newman, I., & Sons, Inc., New York, N. Y. Corsets, corselettes, brassières, and bandeaux. 218,426; Oct. 27.
Newton, Chambers and Co. Limited, Thorncliffe, near Sheffield, England. Starch and blue for laundry purposes, perfumery, etc. 215,528; Oct. 27.
Ng Gee Herb Co., San Francisco, Calif. Liquid compound for the treatment of rheumatism and syphilis. 217,477; Oct. 27.
Nobel Industries, Limited, London, England. Metals and metal castings and forgings of ferro-tungsten alloy. 219,299; Oct. 27.
North American Anolin Corporation, Little Falls, N. Y. Leather. 215,702; Oct. 27.
Omo Manufacturing Company, The, Middletown, Conn. Infants' rubber pants and sanitary bloomers. 219,445; Oct. 27.
Omo Manufacturing Company, The, Middletown, Conn. Brassières, children's bibs, rubber kitchen aprons, bathing caps, and rubber garters. 219,446; Oct. 27.
Oneida County Creameries Company, Utica, N. Y. Canned vegetables, rice, coffee, and catchup. 219,492; Oct. 27.
Osborne Fruit & Vegetable Co., Fullerton, Calif. Oranges, grapes, melons, vegetables, etc. 219,838; Oct. 27.
Ozark Oil Corporation, Cedar Rapids, Iowa. Gasoline. 218,520; Oct. 27.
Pastex Co., The. (See Zeller, Warren S.)
Patent Cereals Company, The, Geneva, N. Y. Cooked and uncooked white corn flakes. 212,346; Oct. 27.
Patterson-Sargent Company, The, Cleveland, Ohio. Paints, paint enamels, wood stains, etc. 218,018–19; Oct. 27.
Pauson & Company, San Francisco, Calif. Suits and overcoats for men. 217,045; Oct. 27.
Pedox Produx, Inc., New York, N. Y. Bunion protectors, bunion, corn, and callous shields. 217,290; Oct. 27.
Peerless Glove Company, Grand Haven, Mich. Gloves. 211,701; Oct. 27.
Pelco Auto Products Inc., New York, N. Y. Filters. 219,450; Oct. 27.
Perfection Biscuit Company, Fort Wayne, Ind. Cookie cakes. 219,760; Oct. 27.
Peterman, Henry, Brooklyn, N. Y. Ready-made paints, oils, stains, and varnishes. 203,142; Oct. 27.
Pfeiffer, S., Mfg. Co., St. Louis, Mo. Medicinal preparation for the removal of corns, etc. 219,600; Oct. 27.
Philpott, Ernest H., doing business as Windermere Products Mfg. Co., East Cleveland, Ohio. Rubber aprons. 216,428; Oct. 27.
Phoenix Hosiery Company, Milwaukee, Wis. Ladies' underwear. 219,555; Oct. 27.
Pickering, Richard P., Chicago, Ill. Combined bottle opener and nozzle. 211,290; Oct. 27.
Piver, L. T., Inc., Wilmington, Del., and New York, N. Y. Perfumes, eau de toilette, face powder, etc. 219,602; Oct. 27.
Popper & Klein, New York, N. Y. Hypodermic syringes. 220,321; Oct. 27.
Powell, John, Plymouth, Pa. Miners' squibs. 220,295; Oct. 27.
Price Flavoring Extract Company, Chicago, Ill. Condimental sauces and salad dressings. 218,080; Oct. 27.
"Proka" Parfümerie- und Seifenfabriks A. G., Vienna, Austria. Perfumery. 214,178; Oct. 27.
Pyle, Josephus A., St. Joseph, Mo. Tree paint for use as an insecticide. 217,536; Oct. 27.
Read, William F., & Sons Co., Philadelphia, Pa. Woven worsted fabrics. 219,303–4; Oct. 27.
Reeder, Samuel B., Washington, D. C. Board game. 219,911; Oct. 27.
Reinschild Chemical Co., The, New York, N. Y. Sterile serum salt. 212,036; Oct. 27.
Remington, Henry F., doing business as The N'-V Products Co., Nashville, Mich. Face cream, hair tonic, shampoo, etc. 216,476; Oct. 27.
Remington Salt Company, Ithaca, N. Y. Salt. 218,661; Oct. 27.
Rindeman-Salinger Co., New York, N. Y. Textile fabrics in the piece. 201,512; Oct. 27.
Ritz-Woller, Oliver C., doing business as American Automatic Devices Company, Chicago, Ill. Step plates, kick or scuff plates, and body or protection rails for automobiles. 195,728; Oct. 27.
Roegge, Frederick C., Los Angeles, Calif. Tires. 218,088; Oct. 27.
Rosenberg Bros. & Co., San Francisco, Calif. Dried prunes. 212,296; Oct. 27.
Rosenblum, Julie, Inc., New York, N. Y. Ladies' hats. 216,073; Oct. 27.
Royal Perfume Company, Inc., New Orleans, La. Chemical preparation for removal of kinks, curls, and unevenness from hair. 219,143; Oct. 27.
Rubenstein, Sol H., doing business as Bar Merchandise Company, New York, N. Y. Hair nets. 219,845; Oct. 27.
Russian American Fish Products Corporation, New York, N. Y. Canned caviar. 206,922; Oct. 27.
St. Clair Coal Company, The, Scranton, Pa. Coal. 218,880; Oct. 27.
Salisbury Packing Co., The, Salisbury, Md. Raw oysters. 217,585; Oct. 27.
San Francisco Association for the Blind, San Francisco, Calif. Brooms and brushes. 204,724; Oct. 27.
Schneider, Maurice J., doing business as M. J. Schneider & Co., Los Angeles, Calif. Ladies' coats, dresses, suits, shirt waists, bloomers, etc. 216,644; Oct. 27.
Scoville, M. G., Sons Company, Ogden, Utah. Talcum powder, and preparations for the treatment of pyorrhea of the teeth, stomach trouble, etc. 211,127; Oct. 27.
Shannon, Joan H., Washington, D. C. Nom de plume for a newspaper section. 218,433; Oct. 27.
Shaver Root Co. (See Hrushka, Fred F.)
Sherman Radio Manufacturing Corporation, New York, N. Y. Radio cabinets. 217,484; Oct. 27.
Sherrill Oil Company, Pensacola, Fla. Gasoline, kerosene, lubricating oils, and greases. 218,931; Oct. 27.
Silmo Chemical Co. Inc., Vineland, N. J. Cod-liver oil in powder form for admixture to stock and poultry feed. 219,148; Oct. 27.
Simmons Company, New York, N. Y. Mattresses. 219,607; Oct. 27.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Simpson, Wm., Sons & Co., Philadelphia, Pa. Silk and cotton goods in the piece. 219,915; Oct. 27.
Skinner, Rebecca C., New York, N. Y. Women's coats. 213,745; Oct. 27.
Smith and Wesson, Inc., Springfield, Mass. Revolvers and pistols. 214,828; Oct. 27.
Société Anonyme Laboratoire de Physiologie du Puits d'Angle, Le Puits d'Angle, par le Chesnay, France. Pharmaceutical product. 190,710; Oct. 27.
Societe en Commandite Maurice Frings & Cie., Paris, France. Cotton thread. 177,574; Oct. 27.
South Georgia Produce Company, Vidalia, Ga. Wheat flour. 219,785; Oct. 27.
Southard Robertson Company, Peekskill and New York, N. Y. Heaters, stoves, and ranges. 206,961; Oct. 27.
Southwestern Coal Company, Amarillo, Tex., and Fort Smith, Ark. Coal. 218,995; Oct. 27.
Spencer, A. E., Products Corporation, Buffalo, N. Y. Bluing paddle. 219,002; Oct. 27.
Spencer, S. S., Co., St. Paul and Minneapolis, Minn. Bath and laundry tubs, lavatories, sinks, water-closet tanks, etc. 200,531; Oct. 27.
Sperry Flour Company, San Francisco, Calif. Cake flour. 219,787; Oct. 27.
Standard Homes Company. (See Johnson, Alfonzo G.)
Staples & Pfeiffer, San Francisco, Calif. Valves, burners, oil and air tanks, oil strainers, etc. 215,482; Oct. 27.
Stark, Max, New York, N. Y. Paper products. 211,956; Oct. 27.
Staub-Richardson Company, Waukesha, Wis. Canned peas. 219,916; Oct. 27.
Stauffer Biscuit Co., Inc., York, Pa. Pretzels. 219,698; Oct. 27.
Stetson, John R., jr., Pittsfield, Mass. Sausage and ham, pork loins, bacon, and pork shoulders. 214,630; Oct. 27.
Sugar-Lax Products Co. (See Fischer, Haydn L.)
Sunnyklime Food Products Co., Minneapolis, Minn. Fruit cookies. 219,152; Oct. 27.
Tahamine Laboratory, Inc., Clifton, N. J. Clarifier of pectin and fruit juices. 218,882; Oct. 27.
Tashey, Harry L., New York, N. Y. Cartoon strip. 217,646; Oct. 27.
Taylor Chair Company, The, Bedford, Ohio. Chairs, sofas, settees, davenports, and office couches. 216,125; Oct. 27.
Technical Color & Chemical Works. (See Greenbaum, Harry L.)
Three Girls Home Food Products, Brooklyn, N. Y. Mayonnaise dressing. 199,587; Oct. 27.
Tiffany, L. W., Winsted, Conn. Common or bank pins. 219,920; Oct. 27.
Timgad Company, Washington, D. C. Gowns, women's coats, dresses, skirts, and waists. 219,357; Oct. 27.
Travel Air Manufacturing Co., Inc., The, Wichita, Kans. Airplanes. 219,313; Oct. 27.
Tribune Company, The, Chicago, Ill. Printing press. 218,438; Oct. 27.
Troponwerke Dinklage & Co., Koln-Mulheim, Germany. Milk protein preparation acting as general stimulant in cases such as arteriosclerosis. 214,107; Oct. 27.
Truscon Steel Company, doing business as The Truscon Laboratories, Detroit and Hamtramck, Mich. Paints, enamels, stains, and varnishes. 217,429; Oct. 27.
United States Graphite Co., The, Saginaw, Mich. Coating for foundry cores. 213,412; Oct. 27.
Upland Lemon Growers Association, Upland, Calif. Oranges, lemons, and grapefruit. 212,979; Oct. 27.
Vitex Lacquer Co. (See Walters, Harold B.)
Voegele & Dinning Company, The, Huntington, W. Va. Chocolate candy in the form of chips. 219,049; Oct. 27.
Walters, Harold B., doing business as Vitex Lacquer Co., Los Angeles, Calif. Paints, varnishes, paint enamels, etc. 217,971; Oct. 27.
Warwick Mills, Centreville, R. I., and Boston, Mass. Single-ply yarn cotton veils. 219,461; Oct. 27.
Warwick Mills, Centreville, R. I., and Boston, Mass. Two-ply yarn cotton voiles. 219,462–3; Oct. 27.
Washburn Crosby Company, Minneapolis, Minn. Durum wheat flour. 213,869; Oct. 27.
Waverly Heating Supply Company, Boston, Mass. Coal and gas stoves, ranges, and furnaces. 213,939; Oct. 27.
Wetterau, G. H., & Sons Grocers Co., St. Louis, Mo. Malt extract for food purposes. 215,723; Oct. 27.
Weyer-Eibert Co., Minneapolis, Minn. Coffee, tea, spices, peanut butter, salad dressing, etc. 216,754; Oct. 27.
Willesen Manufacturing Company, Malden, Mass. Polish for painted, varnished, waxed, and similar surfaces. 218,347; Oct. 27.
Windermere Products Mfg. Co. (See Philpott, Ernest H.)
Wishnetzky, Morris, New York, N. Y. Gelatine desserts. 219,363; Oct. 27.
Wolverine Brass Works, Grand Rapids, Mich. Screw-threaded brass fittings. 220,381; Oct. 27.
Woolley, Daniel P., New York, N. Y. Bread. 212,517; Oct. 27.
Worth Textile Co. Inc., New York, N. Y. Dress and underwear fabrics in the piece. 215,225; Oct. 27.
Zeller, Warren S., doing business as The Pastex Company, Philadelphia, Pa. Liquid cement. 218,835; Oct. 27.
Zickos Brothers & Co., Fulton, Mo. Ice cream on the end of a stick. 216,249; Oct. 27.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

## CLASS 1.

Coal. Consolidation Coal Company. 205,013; Oct. 27; Serial No. 215,001; published Aug. 11, 1925.
Coal. Diamond Coal Company. 204,968; Oct. 27; Serial No. 214,060; published Aug. 4, 1925.
Coal. Eastern Coal Company. 204,972; Oct. 27; Serial No. 213,895; published Aug. 4, 1925.
Coal. C. W. Hendley & Company. 205,008; Oct. 27; Serial No. 215,800; published Aug. 4, 1925.
Grit, Mineral poultry. J. Ritter. 205,017; Oct. 27; Serial No. 214,619; published Aug. 11, 1925.
Leather. American Oak Leather Co. 204,931; Oct. 27; Serial No. 209,523; published June 23, 1925.
Leather for shoe uppers. Robert H. Foerderer Inc. 48,510; renewed Jan. 2, 1926.
Leather, Harness and saddlery. W. W. Mooney & Sons, Incorporated. 49,138; renewed Jan. 23, 1926.
Leather, Harness and saddlery. W. W. Mooney & Sons Incorporated. 49,176–7; renewed Jan. 28, 1926.
Leather, Tanned. Leas & McVitty, Incorporated. 48,828; renewed Jan. 16, 1926.

## CLASS 2.

Bags Paper. Anchor Paper Company. 204,875; Oct. 27; Serial No. 213,110; published June 2, 1925.

## CLASS 3.

Trunks, valises, and satchels. Abraham & Straus. 49,428; renewed Feb. 6, 1926.

## CLASS 4.

Cleaning fluids. Birchard Chemical Works. 204,981; Oct. 27; Serial No. 213,220; published July 28, 1925.
Cleansing compounds and detergents for glass, porcelain, tile, etc. Standard Oil Company (New Jersey). 204,957; Oct. 27; Serial No. 205,239; published July 28, 1925.
Cleansing compounds and detergents for glass, tile, etc. Standard Oil Company (New Jersey). 204,989; Oct. 27; Serial No. 211,511; published July 28, 1925.
Cleansing compounds and detergents for glass, tile, etc. Standard Oil Company (New Jersey). 204,990; Oct. 27; Serial No. 211,501; published July 28, 1925.
Polish and dressing, Shoe. I. Miller & Sons, Inc. 204,726; Oct. 27; Serial No. 216,062; published Aug. 4, 1925.
Polish, Shoe-shining. Wallin Mfg. Co. 204,940; Oct. 27; Serial No. 172,307; published Mar. 17, 1925.
Polishing and cleaning material. E. Simmons. 204,982; Oct. 27; Serial No. 212,757; published July 28, 1925.
Preparations for washing and scouring purposes, soaps, and washing powders. Henkel & Cie. Gesellschaft mit-beschrinkter Haftung. 204,958; Oct. 27; Serial No. 202,703; published July 28, 1925.
Soap. S. M. Herman. 204,944; Oct. 27; Serial No. 198,066; published July 28, 1925.
Soap. F. T. Hopkins. 48,479; renewed Jan. 2, 1926.
Soap. Luckel King & Cake Co. 204,731; Oct. 27; Serial No. 215,805; published Aug. 4, 1925.
Soap. National Cocoanut Soap Co. 204,872; Oct. 27; Serial No. 213,186; published July 21, 1925.
Soap. National Department Stores, Inc. 204,994; Oct. 27; Serial No. 209,172; published Aug. 4, 1925.
Soap. M. Pasternak. 204,738; Oct. 27; Serial No. 215,651; published Aug. 4, 1925.
Soap and soap powder. Beach Soap Company. 49,372; renewed Feb. 6, 1926.
Soap chips. Swift and Company. 204,776; Oct. 27; Serial No. 215,030; published July 14, 1925.
Soap in paste form. Mary-O-Suds Soap Co. 204,727; Oct. 27; Serial No. 216,059; published Aug. 4, 1925.
Soap powders. Sun Soap Products, Incorporated. 204,813; Oct. 27; Serial No. 216,299; published Aug. 4, 1925.
Soap, Sulphur. Aschenbach & Miller, Incorporated. 48,627; renewed Feb. 13, 1926.
Soap, Toilet. B. B. Van. 204,979; Oct. 27. 204,979; Oct. 27; Serial No. 213,464; published Aug. 11, 1925.
Soaps, Franklin Simon & Co. 204,757; Oct. 27; Serial No. 214,068; published Aug. 4, 1925.
Soaps, Franklin Simon & Co. 204,997; Oct. 27; Serial No. 208,763; published May 5, 1925.

Soaps and detergent materials. Denver Soap & Manufacturing Co. 204,850; Oct. 27; Serial No. 211,988; published July 21, 1925.
Soaps and soap powder. Harris Soap Company. 204,756; Oct. 27; Serial No. 214,077; published July 28, 1925.
Stain removers, Water and grease. I. Blechman. 204,993; Oct. 27; Serial No. 209,196; published July 28, 1925.
Steel wool. Williams Company. 204,736; Oct. 27; Serial No. 215,671; published Aug. 4, 1925.
Stove blacking. Stuart Products Co. 204,946; Oct. 27; Serial No. 195,918; published Jan. 20, 1925.
Washing powder. Nichols Detergent Company. 204,743; Oct. 27; Serial No. 214,495; published July 28, 1925.
Windshield cleaning pads. F. E. Windsor. 204,907; Oct. 27; Serial No. 215,494; published Aug. 11, 1925.
Wire, Steel. J. W. Gottschalk. 204,780; Oct. 27; Serial No. 213,569; published Aug. 11, 1925.

CLASS 5.

Cement, Channel. C. L. Hauthaway & Sons, Incorporated. 49,633; renewed Feb. 13, 1926.
Cement, Leather. C. L. Hauthaway & Sons, Incorporated. 49,632; renewed Feb. 13, 1926.

CLASS 6.

Antiseptic. E. P. Davis. 204,960; Oct. 27; Serial No. 214,401; published July 28, 1925.
Antiseptics and deodorants. Hydrosal Laboratories Co. No. 204,949; Oct. 27; Serial No. 192,074; published July 14, 1925.
Bath crystals, perfume, stock remedy, etc., Perfumed. G. H. O'Brien. 204,885; Oct. 27; Serial No. 216,208; published Aug. 4, 1925.
Chemical compound for cleaning oil wells. F. D. Sullivan. 204,935; Oct. 27; Serial No. 204,638; published July 28, 1925.
Chemicals for curing meats, preservatives, antiseptics, etc. Preservaline Manufacturing Company. 204,991; Oct. 27; Serial No. 209,814; published June 23, 1925.
Chemicals for the ceramic arts. Roessler & Hasslacher Chemical Co. 48,770; renewed Jan. 9, 1926.
Cologne, cologne waters, and extracts. Franklin Simon & Co. 204,922; Oct. 27; Serial No. 212,798; published July 21, 1925.
Colors for printing and dyeing, Manufactured. American Dyewood Company. 49,140; renewed Jan. 23, 1926.
Compact cases, refills, and toilet powders. Franklin Simon & Co. 204,978; Oct. 27; Serial No. 218,630; published July 21, 1925.
Compound used in the foot bath. C. R. Acfield. 204,920; Oct. 27; Serial No. 213,108; published July 28, 1925.
Compounds for treating hemorrhoids. J. Lowenthal. 204,889; Oct. 27; Serial No. 216,058; published July 28, 1925.
Cough sirup, general system tonic and blood purifier, and salve. M. M. Fairbanks. 204,948; Oct. 27; Serial No. 194,531; published Oct. 28, 1924.
Cream, Greaseless healing. R. Coe. 205,005; Oct. 27; Serial No. 215,333; published July 28, 1925.
Creams, depilatories, hair growers, etc., Cold and vanishing. Blue Bird Inc. Perfumers. 204,941; Oct. 27; Serial No. 171,779; published June 26, 1923.
Deodorant. C. B. Morse. 204,746; Oct. 27; Serial No. 214,376; published July 21, 1925.
Disinfectant and deodorant. Mackie Pine Oil Specialty Co. 205,010; Oct. 27; Serial No. 215,078; published July 28, 1925.
Eye creams. G. Shyde. 204,887; Oct. 27; Serial No. 216,121; published July 28, 1925.
Eye lotion. Fayro Laboratories, Inc. 205,015; Oct. 27; Serial No. 214,915; published July 28, 1925.
Foot medicine. H. E. Jessup. 205,001; Oct. 27; Serial 215,465; published July 28, 1925.
Hair-removing preparation. I. Willcocks. 204,893; Oct. 27; Serial No. 216,002; published July 28, 1925.
Hair restorer. J. Roane. 204,923; Oct. 27; Serial No. 212,574; published July 28, 1925.
Insect powder. B. W. Rhamy. 205,007; Oct. 27; Serial No. 215,312; published July 28, 1925.
Insecticide. S. Blair. 205,016; Oct. 27; Serial No. 214,909; published July 28, 1925.
Laxative. Reinschild Chemical Co. 205,002; Oct. 27; Serial No. 215,418; published July 28, 1925.
Laxative, Candy. A. Newhouse. 205,004; Oct. 27; Serial No. 215,379; published July 28, 1925.
Laxatives. E. Gorodess. 204,883; Oct. 27; Serial No. 216,335; published Aug. 4, 1925.
Medical preparation for toothaches. Crescent Pharmacal Co. 204,912; Oct. 27; Serial No. 215,056; published July 21, 1925.
Medical preparations. Maltine Company. 48,761; renewed Jan. 9, 1926.
Medicinal preparation. C. S. Hemstreet. 204,909; Oct. 27; Serial No. 215,253; published July 21, 1925.
Medicinal preparation. William R. Warner & Co. 204,914; Oct. 27; Serial No. 214,903; published July 21, 1925.
Medicinal preparation for baths. Balneo Products Co. 204,913; Oct. 27; Serial No. 214,907; published July 21, 1925.
Medicinal preparation for diseases of the mucous membrane. Fitchmul Company. 45,793; renewed Aug. 29, 1925.
Medicine for colds, headache, etc. E. A. Schulz. 204,894; Oct. 27; Serial No. 215,996; published July 28, 1925.
Medicine for correcting indigestion, etc. B. R. Young. 204,995; Oct. 27; Serial No. 209,014; published July 7, 1925.
Medicine for women's diseases, Proprietary. W. A. Talbott. 49,575; renewed Feb. 13, 1926.
Mouth wash. Abraham & Straus, Inc. 204,939; Oct. 27; Serial No. 177,944; published July 21, 1925.
Oil, Healing. Unimaginable Healing Oil Mfg. Co. 204,921; Oct. 27; Serial No. 213,105; published Aug. 4, 1925.
Ointment. L. J. Thompson. 204,950; Oct. 27; Serial No. 183,178; published Dec. 2, 1924.
Ointment for acne and other skin diseases. Blue Bird Inc., Perfumers. 204,942; Oct. 27; Serial No. 170,804; published June 19, 1923.
Perfume, toilet water, powders, and sachet. Lentheric, Inc. 204,895; Oct. 27; Serial No. 215,988; published July 28, 1925.
Perfumery. S. S. Pierce Co. 204,963; Oct. 27; Serial No. 214,337; published July 28, 1925.
Perfumes. Tecla Corporation. 204,749; Oct. 27; Serial No. 214,340; published July 21, 1925.
Perfumes, toilet water, face and talcum powder, etc. S. S. Pierce Co. 204,964; Oct. 27; Serial No. 214,272; published July 21, 1925.
Perfumes, toilet waters, face powder, etc. S. S. Pierce Co. 204,965; Oct. 27; Serial No. 214,269; published July 21, 1925.
Pharmaceutical preparation for the relief of asthma, bronchitis, and hay fever. A. von Gunther. 204,908; Oct. 27; Serial No. 215,489; published July 21, 1925.
Pills and tablets. C. F. York. 48,538; renewed Jan. 2, 1926.
Plasters for coughs, colds, etc., Porous. Deane Plaster Co. 204,961; Oct. 27; Serial No. 214,353; published July 28, 1925.
Powder, perfumes, toilet water, etc., Face. F. L. Betts. 204,958; Oct. 27; Serial No. 207,647; published July 14, 1925.
Powder, Toilet. Associated Merchandising Corporation. 204,988; Oct. 27; Serial No. 211,654; published July 21, 1925.
Powders and creams, rouges, etc., Face. Norda Essential Oil and Chemical Co. 204,933; Oct. 27; Serial No. 208,994; published July 28, 1925.
Powders and creams, toilet waters, rouges, etc., Face. V. Vivaudou, Inc. 204,987; Oct. 27; Serial No. 211,727; published July 21, 1925.
Powders, creams, packs, etc., Face. Lightfoot Schultz Company. 204,910; Oct. 27; Serial No. 215,213; published July 21, 1925.
Powders, Face. Perfumerie St. Denis. 204,915; Oct. 27; Serial No. 214,896; published July 21, 1925.
Powders, Headache. R. S. Starks. 49,816; renewed Feb. 20, 1926.
Powders, packs, and creams, rouges, etc., Face. B. A. Rotolo. 204,888; Oct. 27; Serial No. 216,119; published July 28, 1925.
Preparation for rheumatism, asthma, cuts, etc. Mrs. J. Hall. 204,980; Oct. 27; Serial No. 213,438; published July 14, 1925.
Remedies for rheumatic and gouty affections. Heilkraft Medical Co. 204,891; Oct. 27; Serial No. 216,045; published July 28, 1925.
Remedy for certain named diseases. William R. Warner & Co. 49,137; renewed Jan. 23, 1926.
Remedy for headache, neuralgia, and nervousness. J. G. Munson. 49,534; renewed Feb. 6, 1926.
Remedy for headaches, neuralgia, and colds. Yum Chemical Company. 204,925; Oct. 27; Serial No. 211,650; published July 28, 1925.
Remedy for ingrowing toenails and irritation around the nail groove. Scholl Manufacturing Company. 204,884; Oct. 27; Serial No. 216,226; published Aug. 4, 1925.
Remedy for the cure of rheumatism. Van Vleet-Mansfield Drug Co. 48,967; renewed Jan. 16, 1926.
Remedy for treatment of the feet. Edward Wesley & Company. 204,938; Oct. 27; Serial No. 194,092; published July 28, 1925.
Remedy, Liquid. E. A. Neer. 48,689; renewed Jan. 9, 1926.
Salt. Alex. Kerr Brother & Co. 204,951; Oct. 27; Serial No. 180,802; published Feb. 24, 1925.
Shampoo. H. W. Pape. 204,936; Oct. 27; Serial No. 198,247; published July 28, 1925.
Silk, Product used for filling and finishing. Onyx Oil & Chemical Co. 204,882; Oct. 27; Serial No. 216,354; published Aug. 4, 1925.
Skin tonic. W. O. Hurst. 204,916; Oct. 27; Serial No. 214,869; published July 21, 1925.
Sulphide of soda. General Chemical Company. 204,750; Oct. 27; Serial No. 214,318; published July 14, 1925.
Tablets. J. R. Famular. 204,892; Oct. 27; Serial No. 216,035; published July 28, 1925.
Tablets for constipation. L. A. Gross. 204,744; Oct. 27; Serial No. 214,413; published July 21, 1925.
Tablets or capsules for paints in the head. L. A. Gross. 204,745; Oct. 27; Serial No. 214,412; published July 21, 1925.



Textile fabrics, Composition for treating. Valentine & Company. 205,011; Oct. 27; Serial No. 215,035; published July 28, 1925.
Throat confection. F. A. Gardner. 204,992; Oct. 27; Serial No. 209,395; published July 14, 1925.
Tissue builder and food stimulant. G. Fierheller. 204,998; Oct. 27; Serial No. 208,692; published July 14, 1925.
Toilet lotions, toilet water, talc powder, and bath salts. H. & G. Klotz. 204,999; Oct. 27; Serial No. 215,986; published Aug. 11, 1925.
Toilet preparations. V. Coglianes. 204,986; Oct. 27; Serial No. 211,734; published July 14, 1925.
Toilet preparations. Lentheric, Inc. 204,890; Oct. 27; Serial No. 216,054; published July 28, 1925.
Toilet preparations. M. Schoepfer. 204,751; Oct. 27; Serial No. 214,279; published July 14, 1925.
Tonic and blood medicine. Kirby-Gifford Company. 204,748; Oct. 27; Serial No. 214,368; published July 21, 1925.
Tonic and restorative, Uterine. Rio Chemical Co. 49,814; renewed Feb. 20, 1926.
Tonic Women's. W. O. Zuniga. 205,006; Oct. 27; Serial No. 215,325; published July 28, 1925.

CLASS 7.

Cord, Braided. Whittier Mills. 49,367–8; renewed Jan. 30, 1926.
Wire rope. Macwhyte Company. 205,018; Oct. 27; Serial No. 214,603; published July 28, 1925.

CLASS 9.

Matches. Jönköpings och Vulcans. Tändsticksfabriks-aktiebolag. 205,028; Oct 27.

CLASS 10.

Fertilizer. S. P. Wetherill, jr. 204,764; Oct. 27; Serial No. 215,286; published Aug. 4, 1925.
Manure, Sheep. Nebraska Fertilizer Co. 204,730; Oct. 27; Serial No. 215,941; published Aug. 4, 1925.

CLASS 12.

Building paper. Barber Asphalt Company. 204,969; Oct. 27; Serial No. 214,048; published Aug. 4, 1925.
Cement, Portland. Associated Portland Cement Manufacturers Limited. 204,967; Oct. 27; Serial No. 214,117; published Aug. 4, 1925.
Cement, Portland. German-American Portland Cement Works. 49,015; renewed Jan. 23, 1926.
Dampproofing of exterior surfaces, Compounds for. Eternite Chemical Products Corporation. 204,971; Oct. 27; Serial No. 213,957; published Aug. 4, 1925.
Dampproofing of interior surfaces, Compounds for. Eternite Chemical Products Corporation. 204,970; Oct. 27; Serial No. 213,958; published Aug. 4, 1925.
Floors, weather strips, storm sash, etc., Hardwood. Huck-Gerhardt Co. 205,048; Oct. 27.
Lumber. American Wood Impregnation Corporation. 204,725. Oct. 27.
Lumber. Central Coal and Coke Company. 204,925; Oct. 27; Serial No. 211,901; published August 4, 1925.
Plaster. Beaver Products Company. 205,061; Oct. 27.
Roofing, Asphalt. American Asphalt Roof Corporation. 205,058; Oct. 27.
Roofing, shingles, and roofing fasteners. Beaver Products Company. 204,974; Oct. 27; Serial No. 213,828; published Aug. 4, 1925.
Shingles, Wood. Creo-Dipt Company. 204,975; Oct. 27; Serial No. 213,696; published Aug. 4, 1925.
Weather stripping, Metal. Sager Metal Weatherstrip Co. 205,063; Oct. 27.

CLASS 13.

Anchor rods. A. B. Chance. 205,022; Oct. 27.
Clamp for making a wood connection, Metal. W. L. Evans. 205,050; Oct. 27.
Curtain rods, Metal. Kirsch Manufacturing Company. 205,021; Oct. 27.
Door handles and knobs, spraying nozzles, etc. Bakelite Corporation. 204,844; Oct. 27; Serial No. 212,528; published Aug. 11, 1925.
Nails, Horse. Capewell Horse Nail Company. 48,113; renewed Dec. 12, 1925.
Screws, bolts, nuts, etc. Automotive Manufacturers Outlet, Inc. 204,870; Oct. 27; Serial No. 218,423; published Aug. 11, 1925.
Screws, rivets, etc. Elco Tool and Screw Corporation. 204,820; Oct. 27; Serial No. 214,787; published Aug. 4, 1925.
Slate products, Enameled and painted. Structural Slate Co. 204,814; Oct. 27; Serial No. 216,234; published Aug. 4, 1925.
Tacks, Carpet. H. C. Tack Co. 48,200; renewed Dec. 19, 1925.
Valves for boiler and other high pressure purposes. Everlasting Valve Company. 205,026; Oct. 27.

CLASS 14.

Babbitt, lead, bronze, and brass. Ferer, Inc. 204,765; Oct. 27; Serial No. 215,245; published Aug. 4, 1925.
Babbitt, lead, bronze, and brass. Ferer, Inc. 204,766; Oct. 27; Serial No. 215,243; published Aug. 4, 1925.
Babbitt, lead, bronze, and brass. Ferer, Inc. 204,768; Oct. 27; Serial No. 215,242; published Aug. 4, 1925.
Castings, Malleable. T. H. Symington Co. 205,025; Oct. 27.
Lead, tin, and their alloys, raw castings, etc., Plates and wires of. Österreichische Metallhüttenwerke Aktiengesellschaft. 204,865; Oct. 27; Serial No. 213,796; published July 21, 1925.
Solder. Ferer, Inc. 204,767; Oct. 27; Serial No. 215,244; published Aug. 4, 1925.

CLASS 15.

Gasoline. Wofford Oil Company. 204,918; Oct. 27; Serial No. 214,764; published July 21, 1925.
Gasoline and oils. H. C. Bellows. 204,947; Oct. 27; Serial No. 194,687; published July 22, 1924.
Gasoline, Motor. K. A. Gobring. 204,886; Oct. 27; Serial No. 216,171; published Aug. 11, 1925.
Grease, Lubricating. Wm. C. Robinson & Son Co. 204,742; Oct. 27; Serial No. 214,750; published July 21, 1925.
Lubricants and lubricant stock, Cylinder. Conewango Refining Co. 49,692; renewed Feb. 13, 1926.
Lubricants and lubricant stock, Cylinder. Conewango Refining Co. 49,882; renewed Feb. 29, 1926.
Oils. Valvoline Oil Company. 204,761; Oct. 27; Serial No. 214,760; published July 21, 1925.
Oils and greases, Lubricating. Denver Powerine Company. 204,985; Oct. 27; Serial No. 211,906; published July 14, 1925.
Oils, cup grease, and axle grease, Lubricating. Jos. Butz & Son. 204,943; Oct. 27; Serial No. 201,880; published Nov. 18, 1924.
Oils, greases, and compounds, Lubricating. Union Oil & Supply Company. 204,877; Oct. 27; Serial No. 216,858; published Aug. 11, 1925.
Oils, Lubricating. Fournier & Wilson Company. 204,752; Oct. 27; Serial No. 214,244; published July 14, 1925.
Oils, Petroleum burning. Gulf Refining Company. 48,782; renewed Jan. 16, 1926.
Oils, Petroleum burning. Gulf Refining Company. 48,784–6; renewed Jan. 16, 1926.
Petroleum and products of petroleum. Standard Oil Company of New York. 204,878–80; Oct. 27; Serial Nos. 216,802–4; published Aug. 11, 1925.
Petroleum and products of petroleum. Standard Oil Company of New York. 204,881; Oct. 27; Serial No. 216,800; published Aug. 11, 1925.

CLASS 16.

Paint. Rinald Bros. 48,666; renewed Jan. 9, 1926.
Paint and enamel. Minnesota Linseed Oil Paint Co. 205,062; Oct. 27.

CLASS 17.

Cigars. House of Crane. 205,045–6; Oct. 27.
Cigars. Juan F. Portuondo Cigar Mfg. Co. 48,271–2; renewed Dec. 19, 1925.
Cigars. Juan F. Portuondo Cigar Mfg. Co. 48,428; renewed Dec. 26, 1925.
Tobacco. Bloch Brothers Tobacco Company. 49,061; renewed Jan. 23, 1926.

CLASS 19.

Automobile bodies. Millspaugh & Irish Corporation. 205,003; Oct. 27; Serial No. 215,415; published Aug. 4, 1925.
Automobiles. Premier Motors, Inc. 204,871; Oct. 27; Serial No. 213,318; published July 28, 1925.
Boats, Collapsible and inflatable. Airships Incorporated. 204,962; Oct. 27; Serial No. 214,348; published Aug. 4, 1925.
Car couplings, Automatic. McConway & Torley Co. 48,958; renewed Jan. 16, 1926.
Crank-case arms or engine supports, Repairs for broken. Brewer-Titchener Corporation. 205,057; Oct. 27.
Truck bodies, Automatic dumping automobile. Easton Car & Construction Company. 205,051; Oct. 27.
Trucks, Motor. Service Motor Truck Co. 204,801; Oct. 27; Serial No. 138,786; published July 21, 1925.

CLASS 22.

Bladders used in footballs, etc., Stemless rubber. Seamless Rubber Company. 204,797; Oct. 27; Serial No. 197,782; published July 29, 1924.
Boxers' ear and eyebrow protector, striking bags, baseballs, etc. Everlast Sporting Goods Manufacturing Co. 205,020; Oct. 27.
Cards, Playing. New York Consolidated Card Company. 48,170; renewed Dec. 12, 1925.
Golf clubs, balls, bags, heads, and shafts. Burke Golf Company. 205,043; Oct. 27.
Golf irons and clubs. L. A. Wimpfheimer. 205,034; Oct. 27.

CLASS 23.

Boring machines. Ajax Mfg. Co. 48,710; renewed Jan. 9, 1926.
Can openers. Precision Metal Workers. 204,816; Oct. 27; Serial No. 216,212; published Aug. 11, 1925.
Elevators and hoists and parts thereof. Otis Elevator Company. 204,849; Oct. 27; Serial No. 212,097; published Aug. 4, 1925.

Files and rasps. G. & H. Barnett Company. 48,371; renewed Dec. 26, 1925.
Power actuators. Bragg-Kliesrath Corporation. 204,812; Oct. 27; Serial No. 216,582; published Aug. 11, 1925.
Presses or machines for setting and removing eyelets. Edward L. Sibley Manufacturing Company. 204,919; Oct. 27; Serial No. 213,325; published July 21, 1925.
Saw blades, Hack. Henry G. Thompson & Son Company. 205,047; Oct. 27.
Sewing machines. D. Beswick. 204,996; Oct. 27; Serial No. 208,952; published May 5, 1925.
Shovels, spades, and scoops. Wyoming Shovel Works. 48,962; renewed Jan. 16, 1926.
Tiering machines. Economy Engineering Company. 204,838; Oct. 27; Serial No. 212,907; published Aug. 4, 1925.
Tiering machines. Economy Engineering Company. 204,839; Oct. 27; Serial No. 212,902; published Aug. 4, 1925.
Tube expanders. Ajax Mfg. Co. 49,323; renewed Jan. 30, 1926.

CLASS 25.

Locks, keys, and parts of locks. Best Universal Lock Co. 205,032; Oct. 27.

CLASS 26.

Air-pressure gauges. Hall-Daw Mfg. Co. 205,027; Oct. 27.
Calculating machines. J. Bergmann. 204,796; Oct. 27; Serial No. 198,837; published Aug. 4, 1925.
Foot, Device for obtaining an impression of the contour of the sole of the. Scholl Manufacturing Company. 204,815; Oct. 27; Serial No. 216,224; published Aug. 4, 1925.
Photographic paper and films, Sensitized. Polygraphische Gesellschaft. 204,789; Oct. 27; Serial No. 205,136; published Aug. 4, 1925.
Photographic paper, Sensitized. Wellington & Ward Ltd. 204,799–800; Oct. 27; Serial Nos. 190,323–4; published Aug. 11, 1925.
Picture films, Motion-. Warner Brothers Pictures, Inc. 205,030; Oct. 27.
Screens, Light-toning. Reynolds, Teschner & Volk Co. 204,856; Oct. 27; Serial No. 210,142; published Aug. 4, 1925.

CLASS 27.

Watches and clocks. Robt. H. Ingersoll & Bro. 49,237; renewed Jan. 30, 1926.

CLASS 29.

Hairbrushes. M. M. Harper. 205,024; Oct. 27.
Mops, Automobile. L. Hemple. 205,023; Oct. 27.
Toothbrushes. Northboro Brush Co. 205,031; Oct. 27.

CLASS 31.

Refrigerators. Frank L. Pollard Co. 204,722; Oct. 27; Serial No. 216,211; published Aug. 18, 1925.
Show case and ice box, Combined. J. Sharpe. 204,853; Oct. 27; Serial No. 211,383; published Aug. 11, 1925.

CLASS 32.

Furniture, Household. Abraham & Straus, Inc. 204,928; Oct. 27; Serial No. 210,432; published July 21, 1925.
Mattresses. L. Mann. 204,784; Oct. 27; Serial No. 209,735; published June 23, 1925.
Tables, chairs, and buffets. Leonardo Co. 204,924; Oct. 27; Serial No. 212,562; published July 28, 1925.

CLASS 33.

Salad sets, cosmetic jars, etc. Franklin Novelties, Inc. 204,952; Oct. 27; Serial No. 208,648; published June 16, 1925.

CLASS 34.

Burners and burner accessories. Sword & Kimber Company. 205,012; Oct. 27; Serial No. 215,031; published Aug. 4, 1925.
Fuel-saving device. O. A. Toffteen. 204,863–4; Oct. 27; Serial Nos. 213,812–13; published July 28, 1925.
Heaters and radiators, Steam and hot-water. Gurney Heater Manufacturing Company. 49,150; renewed Jan. 23, 1926.
Oxyacetylene cutting apparatus. Air Reduction Company. 204,976–7; Oct. 27; Serial Nos. 213,677–8; published Aug. 4, 1925.
Water heaters and automatic fuel controls for water heaters. O. Schwimmer. 205,000; Oct. 27; Serial No. 215,534; published Aug. 4, 1925.
Water heaters and steam generators and parts thereof. Kamwater Heater Mfgr. Co. 204,927; Oct. 27; Serial No. 211,107; published Aug. 4, 1925.

CLASS 36.

Piano actions. Wessell, Nickel & Gross. 48,261; renewed Dec. 19, 1925.

CLASS 37.

Books, Check and other blank. Benjamin D. Benson & Sons, Inc. 204,937; Oct. 27; Serial No. 197,354; published July 28, 1925.
Envelopes and filing containers. Universal Paper Goods Company. 204,982; Oct. 27; Serial No. 209,255; published July 28, 1925.
Paper, Bond. H. R. Stanford. 204,759; Oct. 27; Serial No. 213,596; published July 21, 1925.
Paper, Filter. J. Manheimer. 205,053; Oct. 27.
Paper items. B. A. Railton Co. 204,934; Oct. 27; Serial No. 205,782; published July 21, 1925.
Paper, Linen bond. General Paper & Cordage Company. 204,959; Oct. 27; Serial No. 214,545; published July 28, 1925.
Paper napkins. Paper Novelty Company. 205,009; Oct. 27; Serial No. 215,218; published July 28, 1925.
Paper, Safety. Walther & Company. 205,014; Oct. 27; Serial No. 214,935; published July 28, 1925.
Paper, Toilet. Diamond Paper Company. 204,945; Oct. 27; Serial No. 196,368; published Feb. 17, 1925.
Paper, Wax. Regal Paper Company. 205,060; Oct. 27.
Papers. W. H. Cassell. 205,052; Oct. 27.
Pencils, Lead. Eagle Pencil Company. 49,122; renewed Jan. 23, 1926.
Presses, Seal. A. Kasman. 204,966; Oct. 27; Serial No. 214,255; published July 28, 1925.
Stationery, Box. Associated Merchandising Corporation. 204,973; Oct. 27; Serial No. 213,885; published July 28, 1925.

CLASS 38.

Bibles. National Publishing Co. 205,054; Oct. 27.
Bonds, Real-estate. Jacobs Realty Company. 204,758; Oct. 27; Serial No. 213,786; published July 28, 1925.
Booklets. Automobile Club of Maryland. 205,770; Oct. 27; Serial No. 215,231; published July 28, 1925.
Booklets. Central Scientific Company. 204,876; Oct. 27; Serial No. 213,003; published July 21, 1925.
Catalogues. Montgomery Ward & Co. 204,780; Oct. 27; Serial No. 214,923; published July 28, 1925.
Lesson sheets for instruction by mail. McSweeny Automotive & Electrical Training Shops. 204,785; Oct. 27; Serial No. 209,134; published Mar. 24, 1925.
List of manufactures, Semiannual. Board of Trustees of the Philadelphia Museums. 204,902; Oct. 27; Serial No. 216,143; published Aug. 11, 1925.
List of Manufactures, Semiannual. Board of Trustees of the Philadelphia Museums. 204,906; Oct. 27; Serial No. 216,139; published Aug. 11, 1925.
Magazine. Board of Trustees of the Philadelphia Museums. 204,903–4; Oct. 27; Serial No. 216,141–2; published Aug. 11, 1925.
Magazine. Boiler Maker. 44,362; renewed July 4, 1925.
Magazine. Macfadden Publications Incorporated. 204,733; Oct. 27; Serial No. 215,697; published July 28, 1925.
Magazine. A. W. Shaw Company. 204,772; Oct. 27; Serial No. 215,186; published July 28, 1925.
Magazine articles. Leslie-Judge Company. 204,823; Oct. 27; Serial No. 214,670; published July 21, 1925.
Magazine, Monthly. French Frolic Publishing Co. 204,819; Oct. 27; Serial No. 214,789; published Aug. 4, 1925.
Magazine, Monthly. V. S. Warriner. 204,740; Oct. 27; Serial No. 215,542; published July 28, 1925.
Magazines, Trade. Truscon Steel Company. 204,821; Oct. 27; Serial No. 214,758; published July 28, 1925.
Maps. Reincke-Ellis Co. 204,843; Oct. 27; Serial No. 212,637; published July 21, 1925.
Newspaper name. Gazette-Review Co. 204,778; Oct. 27; Serial No. 215,146; published July 28, 1925.
Newspaper name. Gazette-Review Co. 204,911; Oct. 27; Serial No. 215,147; published July 28, 1925.
Newspaper-publication title. Public Ledger Company. 204,781; Oct. 27; Serial No. 214,887; published July 28, 1925.
Newspaper, Weekly. Empire Publishing Company. 204,753; Oct. 27; Serial No. 214,143; published July 28, 1925.
Newspaper, Weekly. Empire Publishing Company. 204,754; Oct. 27; Serial No. 214,141; published July 28, 1925.
Newspaper, Weekly. Empire publishing Company. 204,755; Oct. 27; Serial No. 214,132; published July 28, 1925.
Newspaper, Weekly. Empire publishing Company. 204,831; Oct. 27; Serial No. 214,144; published July 28, 1925.
Newspaper, Weekly. Empire publishing Company. 204,832; Oct. 27; Serial No. 214,142; published July 28, 1925.
Newspaper, Weekly. Empire publishing Company. 204,853–6; Oct. 27; Serial Nos. 214,137–40; published July 28, 1925.
Newspaper, Weekly. Empire publishing Company. 204,857–8; Oct. 27; Serial No. 214,135–6; published July 28, 1925.
Newspaper, Weekly. Empire publishing Company. 204,859; Oct. 27; Serial No. 214,133; published July 28, 1925.
Newspaper, Weekly. Empire publishing Company. 204,860; Oct. 27; Serial No. 214,131; published July 28, 1925.
Periodical. Edgar-Morgan Co. 204,809; Oct. 27; Serial No. 216,515; published Aug. 11, 1925.
Periodical, Monthly. Guide Publishing Company. 204,783; Oct. 27; Serial No. 209,788; published July 21, 1925.
Periodical published quarterly. International Telephone and Telegraph Corporation. 204,897; Oct. 27; Serial No. 216,729; published Aug. 11, 1925.



Periodical weekly. Class Journal Company. 204,956; Oct. 27; Serial No. 206,879; published July 28, 1925.
Periodicals and magazines. International Telephone and Telegraph Corporation. 204,896; Oct. 27; Serial No. 216,730; published Aug. 11, 1925.
Periodicals, Weekly. Ticker Publishing Company. 204,822; Oct. 27; Serial No. 214,697; published July 21, 1925.
Photographs, Miniature. C. W. Hutton. 204,900; Oct. 27; Serial No. 216,894; published Aug. 11, 1925.
Publication, Monthly. Atlantic Radio Company. 204,777; Oct. 27; Serial No. 214,991; published July 28, 1925.
Publication, Periodical. Wm. Hahn & Co. 204,898; Oct. 27; Serial No. 216,533; published Aug. 11, 1925.
Publication, Section of a weekly. Earle C. Anthony, Inc. 204,827; Oct. 27; Serial No. 214,308; published Aug. 4, 1925.
Publication, Semiannual. Oil Trade Journal, Inc. 204,901; Oct. 27; Serial No. 216,283; published Aug. 11, 1925.

CLASS 39.

Belts and vests, Men's. W. J. Turoff. 204,818; Oct. 27; Serial No. 214,833; published Aug. 11, 1925.
Chokers, collar and cuff sets, scarfs. Tenafly Weavers, Inc. 204,792; Oct. 27; Serial No. 200,126; published Aug. 11, 1925.
Clothing, Men's. J. L. Stifel & Sons. 204,786; Oct. 27; Serial No. 209,061; published Aug. 4, 1925.
Clothing, Oiled. A. J. Tower Co. 48,336; renewed Dec. 26, 1925.
Clothing, Women's, misses', and children's outer. R. Lowitt. 204,867; Oct. 27; Serial No. 213,714; published Aug. 11, 1925.
Coats, suits, dresses, and sweaters. Jos. Engel Co. 204,778; Oct. 27; Serial No. 214,852; published Aug. 11, 1925.
Coats, trousers, overcoats, rompers, etc. J. Schoeneman, Inc. 204,779; Oct. 27; Serial No. 214,930; published Aug. 11, 1925.
Coats, vests, pants, and overcoats, Men's. Rosenberg Bros. & Co. 204,820–30; Oct. 27; Serial Nos. 214,182–3; published Aug. 4, 1925.
Coats, vests, trousers, suits, and overcoats, Men's. English Woolen Co. 205,049; Oct. 27.
Collars, cuffs, and bosoms. Reversible Collar Company. 204,861; Oct. 27; Serial No. 214,096; published Aug. 11, 1925.
Collars, pyjamas, nightrobes, underwear, and shirts. Men's and boys'. H. Berger. 204,802; Oct. 27; Serial No. 214,051; published Aug. 4, 1925.
Cushions and soles and heels, Arch and heel. Essex Rubber Company. 205,064; published Oct. 27, 1925.
Dresses. Schreiber Wallach Company. 204,737; Oct. 27; Serial No. 215,657; published Aug. 4, 1925.
Fur coats, stoles, scarfs, and chokers. M. Susser. 204,852; Oct. 27; Serial No. 211,632; published Aug. 11, 1925.
Gloves. Abraham & Straus. 48,629; renewed Jan. 9, 1926.
Gloves. Abraham & Straus. 49,040; renewed Jan. 23, 1926.
Gloves. Abraham & Straus. 49,701; renewed Feb. 13, 1926.
Gloves and wristbands. L. G. Abixaid. 205,039; Oct. 27.
Hats, shoes, putties, gloves, etc. Best & Co. 204,847; Oct. 27; Serial No. 212,366; published Aug. 11, 1925.
Hosiery. Abraham & Straus. 48,296; renewed Dec. 19, 1925.
Hosiery. Gipsy Trail Camp and Country Club Inc. 204,837; Oct. 27; Serial No. 212,914; published Aug. 11, 1925.
Hosiery. A. Goldwater & Co. 204,735; Oct. 27; Serial No. 215,690; published Aug. 11, 1925.
Hosiery. Tie-Art Company. 204,929; Oct. 27; Serial No. 210,148; published July 14, 1925.
Hosiery, Silk. Atlantic Silk Hosiery Co. 204,729; Oct. 27; Serial No. 215,959; published Aug. 11, 1925.
Neckties and mufflers. Dahlson Neckwear Company. 204,824; Oct. 27; Serial No. 214,587; published Aug. 11, 1925.
Overalls and jumpers. H. Jacobson. 204,771; Oct. 27; Serial No. 215,208; published Aug. 11, 1925.
Overalls, Children's. G. H. Bevans. 204,825; Oct. 27; Serial No. 214,561; published Aug. 4, 1925.
Overalls, jackets, pants, and work shirts, Men's. Columbus Garment Manufacturing Company. 204,868; Oct. 27; Serial No. 213,692; published Aug. 11, 1925.
Shirts. Elder Mfg. Co. 204,769; Oct. 27; Serial No. 215,236; published Aug. 11, 1925.
Shirts and boys' blouses, Men's and boys'. Elder Mfg. Co. 204,741; Oct. 27; Serial No. 215,442; published Aug. 4, 1925.
Shirts, breeches, sweaters, belts, etc. Summers Mfg. Co. 204,774–5; Oct. 27; Serial No. 215,103–4; published Aug. 11, 1925.
Shirts, Work. Reliance Manufacturing Company. 204,798; Oct. 27; Serial No. 193,126; published Aug. 4, 1925.
Shoes, Women's leather. A. H. Berry Shoe Company. 49,179; renewed Jan. 30, 1926.



Suits and overcoats. J. Goldsmith & Sons Company. 204,817; Oct. 27; Serial No. 214,864; published Aug. 11, 1925.
Suits for men and women and trousers and knickers. A. L. Klein & Bro., Inc. 204,866; Oct. 27; Serial No. 213,788; published Aug. 4, 1925.
Sweaters. Campe Corporation. 204,873; Oct. 27; Serial No. 213,160; published Aug. 11, 1925.
Sweaters, toques, and bathing suits. Jersild Knitting Company. 204,723; Oct. 27; Serial No. 216,104; published Aug. 11, 1925.
Undergarments and clothing, Women's, girls', and misses'. C. C. Hollidge. 204,739; Oct. 27; Serial No. 215,568; published Aug. 4, 1925.
Underwear, Women's knit. W. S. Mills Company. 204,747; Oct. 27; Serial No. 214,375; published July 28, 1925.
Union suits. Daum Rogers Spritzer Co. 205,059; Oct. 27.

CLASS 40.

Fasteners. Catch On Clasp Mfg. Co. 49,230; renewed Jan. 30, 1926.
Hair wavers and curlers. A. Dreés. 49,468; renewed Feb. 6, 1926.

CLASS 41.

Cane, umbrella, and parasol handles. Bakelite Corporation. 204,845; Oct. 27; Serial No. 212,528; published Aug. 11, 1925.

CLASS 42.

Cotton fabrics, Mercerized. Clarence Whitman & Co. 49,064; renewed Jan. 23, 1926.
Cotton piece goods. Marcus Brothers. 204,954; Oct. 27; Serial No. 207,878; published May 12, 1925.
Cotton piece goods. Massachusetts Cotton Mills. 47,638; renewed Nov. 14, 1925.
Cotton piece goods, sheets, pillowcases, etc. N. Y. Cotton Stores, Inc. 204,763; Oct. 27; Serial No. 215,307; published Aug. 11, 1925.
Mohair dress goods. N. Erlanger, Blumgart & Co. 49,293; renewed Jan. 30, 1926.
Mohair piece goods and other piece goods. Goodall Worsted Co. 204,762; Oct. 27; Serial No. 215,368; published Aug. 11, 1925.
Mohair piece goods and piece goods of combinations of cotton, wool, etc. Goodall Worsted Co. 204,826; Oct. 27; Serial No. 214,546; published Aug. 11, 1925.
Silk fabrics, Woven. H. Simon. 49,443; renewed Feb. 6, 1926.

CLASS 43.

Thread. Elmore Company. 204,984; Oct. 27; Serial No. 212,074; published July 14, 1925.

CLASS 44.

Atomizers, Perfume. M. Franck. 204,793–4; Oct. 27; Serial Nos. 199,469–70; published Aug. 4, 1925.
Atomizers, Perfumery. Franklin Simon & Co. 204,841; Oct. 27; Serial No. 212,801; published Aug. 11, 1925.
Atomizers, Perfumery. Franklin Simon & Co. 204,842; Oct. 27; Serial No. 212,799; published Aug. 4, 1925.
Atomizers, Perfumery. Franklin Simon & Co. 204,846; Oct. 27; Serial No. 212,433; published Aug. 4, 1925.
Atomizers, Perfumery. Franklin Simon & Co. 204,874; Oct. 27; Serial No. 213,128; published Aug. 4, 1925.
Dental floss holders. Flossy Dental Mfg. Co. 204,782; Oct. 27; Serial No. 215,780; published Aug. 4, 1925.
Dental varnish. S. S. White Dental Mfg. Co. 49,134; renewed Jan. 23, 1926.
Massage vibrators. Electric. Arnold Electric Co. 205,037; Oct. 27.
Radioactive emanation, Containers for substances to which it is desirable to impart the medicinal value of. Dow-Herriman Pump and Machinery Company. 204,728; Oct. 27; Serial No. 215,971; published Aug. 4, 1925.
Urine-testing apparatus. F. Hurwitt. 204,724; Oct. 27; Serial No. 216,100; published Aug. 4, 1925.

CLASS 45.

Beverage. Keen Kola Mfg. Co. 205,042; Oct. 27.
Beverage. Purity Extract & Tonic Co. 205,019; Oct. 27.
Beverage and sirups for making same. Ly-Nola Company. 205,035; Oct. 27.
Beverage, Tonic. J. C. Mayfield Company. 46,461; renewed Sept. 19, 1925.
Drinks, Fruit concentrate used in the preparation of soft. American Fruit Products Co. 205,044; Oct. 27.
Punch, Grape. Jackson Brewing Company. 205,036; Oct. 27.

CLASS 46.

Candies and chocolate-covered raisins. Tokay Company. 205,065; Oct. 27.
Candy. B. L. Johnson & Co. 204,795; Oct. 27; Serial No. 199,356; published July 28, 1925.
Candy. Reymer & Brothers, Incorporated. 48,235; renewed Dec. 19, 1925.
Candy. Schutter-Johnson Candy Co. 204,790; Oct. 27; Serial No. 202,825; published Aug. 11, 1925.
Candy. Ucanco Candy Co. 204,828; Oct. 27; Serial No. 214,190; published Aug. 11, 1925.
Canned fish. Standard Imports Limited. 204,788; Oct. 27; Serial No. 205,795; published May 26, 1925.

Canned fish, clams, and oysters. R. C. Williams & Co. 49,087; renewed Jan. 23, 1926.
Canned fruit. Tulare Packing Company. 204,809; Oct. 27; Serial No. 216,653; published Aug. 18, 1925.
Canned fruit. Tulare Packing Company. 204,810–11; Oct. 27; Serial Nos. 216,650–1; published Aug. 18, 1925.
Canned fruits. A. Schlesinger & Sons. 204,805; Oct. 27; Serial No. 216,852; published Aug. 18, 1925.
Canned fruits and vegetables. Edgett-Burnham Company. 205,055; Oct. 27.
Canned fruits, berries, and vegetables. Northwest Canning Company. 204,808; Oct. 27; Serial No. 216,742; published Aug. 18, 1925.
Canned salmon. Alaska Consolidated Canneries, Inc. 204,806–7; Oct. 27; Serial No. 216,757–8; published Aug. 18, 1925.
Canned, salt, dried, and smoked fish, canned foods, etc. H. Janssen & Co. 204,953; Oct. 27; Serial No. 208,102; published Aug. 11, 1925.
Canned tomatoes, peas, beans, and cherries. W. Craig Canning Company. 205,038; Oct. 27.
Chocolate and candy. Begue Confectionery Co. 204,851; Oct. 27; Serial No. 211,824; published Aug. 11, 1925.
Coffee. Brownell & Field Company. 48,977; renewed Jan. 16, 1926.
Coffee. New Orleans Coffee Co. 49,057; renewed Jan. 23, 1926.
Coffee. Western Pacific Fruit Co. 204,791; Oct. 27; Serial No. 201,825; published Aug. 18, 1925.
Coffee, Roasted. Merchants Coffee Co. 48,246; renewed Dec. 19, 1925.
Confectionery, Chocolate. E. Greenfield's Son & Co. 49,095; renewed Jan. 23, 1926.
Confectionery, Chocolate. E. Greenfield's Son & Co. 49,334; renewed Jan. 30, 1926.
Dairy products. Clover Meadow Creamery Co. 204,854; Oct. 27; Serial No. 210,645; published Aug. 11, 1925.
Food product. E. T. Pearson Corporation. 204,787; Oct. 27; Serial No. 208,775; published Aug. 11, 1925.
Food products, Breakfast-. B. Kaufman. 204,869; Oct. 27; Serial No. 213,439; published Aug. 11, 1925.
Grapes, Fresh. Shafter Fruit Co. 204,882; Oct. 27; Serial No. 216,943; published Aug. 18, 1925.
Gum, Chewing. Heath Products, Inc. 204,734; Oct. 27; Serial No. 215,692; published Aug. 18, 1925.
Ice cream. Purity Ice Cream Co. 204,983; Oct. 27; Serial No. 212,294; published June 9, 1925.
Jellies and preserves, Fruit. Anc-Co. Preserving Co. 205,029; Oct. 27.
Lard. Swift and Company. 48,698; renewed Jan. 9, 1926.
Lard compound, Vegetable. Philippine Manufacturing Company. 204,840; Oct. 27; Serial No. 212,827; published Aug. 11, 1925.
Molasses. Eastern Refining Co. 48,950; renewed Jan. 16, 1926.
Mustard, Prepared. Joseph Campbell Company. 48,089; renewed Dec. 12, 1925.
Oranges, lemons, and grapefruit. J. M. Riley Fruit Co. 204,803; Oct. 27; Serial No. 216,937; published Aug. 18, 1925.
Oranges, lemons, grapefruit. Eadington Fruit Company. 205,040; Oct. 27.
Oranges, lemons, grapefruit, and tomatoes. Eadington Fruit Company. 205,041; Oct. 27.
Preserves, jams, jellies, etc., Vegetable and fruit. R. C. Williams & Co. 48,900; renewed Jan. 16, 1926.
Salad dressings and sandwich spreads. Tikkie Taste Products Company. 204,848; Oct. 27; Serial No. 212,162; published Aug. 11, 1925.
Sirup, Malt. S. L. Goldman. 204,917; Oct. 27; Serial No. 214,862; published Aug. 11, 1925.
Spices. E. B. Millar & Co. 49,070; renewed Jan. 23, 1926.
Tinned and salted fish. J. Serrats. 204,782; Oct. 27; Serial No. 209,945; published July 21, 1925.
Vegetables, Fresh. J. F. O'Keefe. 204,804; Oct. 27; Serial No. 216,927; published Aug. 18, 1925.

CLASS 48.

Barley-malt extract. Baker-Bolin Company. 204,855; Oct. 27; Serial No. 210,522; published June 30, 1925.

CLASS 50.

Box of manufacturer's products. H. H. Fuhrman. 205,033; Oct. 27.
Rug cushions and rug pads. E. W. Sutton Carpet Lining Corporation. 204,930; Oct. 27; Serial No. 209,948; published Aug. 4, 1925.
Stair treads and auto heel mats. Perrott Manufacturing Company. 205,056; Oct. 27.

# ALPHABETICAL LIST OF LABELS.

Blow Gum. For Chewing Gum. Shelby Gum Co. 29,395; Oct. 27.
Butter-Nut Bread. For Bread. E. Frisch. 29,374; Oct. 27.
Corn Starch. For Cornstarch. Jewel Tea Co. 29,381; Oct. 27.
Dome Oyle. For a Scalp or Hair Tonic. Dome Oyle Co. 29,373; Oct. 27.
El Revino. For Cigars. Riveira & Gonzalez. 20,394; Oct. 27.
Eye Ease Eye Water. For a Preparation for Diseases of the Eye, Sores, and Ulcers. H. Thomas. 29,399; Oct. 27.
Family. For Malt Sirup. Red Sun Products Co. 29,392; Oct. 27.
Fronteriza. For Cantaloupes. F. W. Whitney. 29,404; Oct. 27.
Happy Kids. For Sorghum Sirup Blended with Corn Sirup. W. B. Roddenbery. 29,393; Oct. 27.
Hires Turner Residential Glass. For Glass. Hires Turner Glass Company. 29,376; Oct. 27.
It's Pure—That's Sure. For Ice Cream. Sutherland Paper Company. 29,397; Oct. 27.
Jackson Grape Punch. For Grape Punch. Jaskson Brewing Company. 29,379; Oct. 27.
Jackson Root-Beer. For Root Beer. Jackson Brewing Company. 29,377; Oct. 27.
Jax. For Malt Tonic. Jackson Brewing Company. 29,378; Oct. 27.
Kleanzem. For a Cleaning Compound. M. S. Wentzel. 29,402; Oct. 27.
Lejaw. For a General Cleanser in Powder Form. L. J. Awad. 29,371; Oct. 27.
Leo's Hopped Special Malt Extract. For Malt Extract for Food Purposes. Liquid Malted Milk Co. 29,382; Oct. 27.
Mansion House Ice Cream. For Ice Cream. Menasha Printing and Carton Company. 29,383; Oct. 27.
Mrs. Guentrath 2-Minute Pudding. For Ready-Prepared Material for Making Puddings. F. Guentrath-Lorenzen. 29,375; Oct. 27.
Prattlow (#1). For Canned Apricots. Pratt-Low Preserving Company. 29,385; Oct. 27.
Prattlow (#2). For Canned Yellow Cling Peaches (Halves). Pratt-Low Preserving Company. 29,386; Oct. 27.
Prattlow (#3). For Canned Figs. Pratt-Low Preserving Company. 29,387; Oct. 27.
Prattlow (#4). For Canned Fruit for Salad. Pratt-Low Preserving Company. 29,388; Oct. 27.
Prattlow (#5). For Canned Pears. Pratt-Low Preserving Company. 29,389; Oct. 27.
Prattlow (#6). For Canned Royal Anne Cherries. Pratt-Low Preserving Company. 29,390; Oct. 27.
Prattlow (#7). For Canned Sliced Hawaiian Pineapple. Pratt-Low Preserving Company. 29,391; Oct 27.
Prescription Lens. For Lenses. White-Haines Optical Co. 29,403; Oct. 27.
Riegel's Jewel Brand Glassine. For Glassine Paper. Warren Manufacturing Company. 29,401; Oct. 27.
Sazerac. For Ginger Ale. Jackson Brewing Company. 29,380; Oct. 27.
Sunflower Brand. For Butter. Sutherland Paper Company. 29,396; Oct. 27.
Tru Bake. For Biscuits. Tru-Blu Biscuit Company. 29,400; Oct. 27.
Velvet Ice Cream. For Ice Cream. Sutherland Paper Company. 29,398; Oct. 27.
Wild Rose Salt Water Taffy. For Candy. Binghamton Candy Co. 29,372; Oct. 27.
Willow Tree. For Multi-Spice Pickle. Midland Food Products Corporation. 29,384; Oct. 27.
Wizard. For Polish Mops. Wizard, Inc. 29,405; Oct. 27.

# ALPHABETICAL LIST OF PRINTS.

Ask For The Valve Inside With The Red Collar. For valves. Wein Sales Corporation. 8,294; Oct. 27.
Baked—How Webster defined it. For Heins Oven-Baked Beans. H. J. Heins Co. 8,282; Oct. 27.
Beautifies the Ankle. For Hosiery. Cadet Knitting Company. 8,277; Oct. 27.
Fisher's Bak-E-Nam-El. For Varnishes and Enamels. N. A. Fisher. 8,280; Oct. 27.
Good Cheer—Always. For Groceries. Reid, Murdoch & Co. 8,296; Oct. 27.
Hy Quality Lo Prices. For Meats and Groceries. Kansas Grocery Company. 8,285; Oct. 27.
Madame Annette—On the New Hairdress. For Hair Goods. Sears, Roebuck and Co. 8,293; Oct. 27.
Mary Sunshine At Seashore. For Milk. Frederick C. Mathews Company. 8,289; Oct. 27.
Mary Sunshine Skating. For Milk. Frederick C. Mathews Company. 8,286; Oct. 27.
Mary Sunshine Skipping Rope. For Milk. Frederick C. Mathews Company. 8,288; Oct. 27.
Mary Sunshine With Sleigh. For Milk. Frederick C. Mathews Company. 8,287; Oct. 27.
Rich food values in Creamy of Wheat. For Wheat Breakfast Food. Cream of Wheat Co. 8,278; Oct. 27.
Speedway. For Razor Blades. International Safety Razor Corporation. 8,284; Oct. 27.
Sun-Aero. For Hair Drier. Wm. Meyer Co. 8,290; Oct. 27.
That Fresh From the Garden Taste. For Heins 57 Varieties. H. J. Heins Co. 8,283; Oct. 27.
The Binder That Builds Books. For Self-Binders for Stationery. Rochester Self-Binder Co. 8,292; Oct. 27.
The Home of a Million Parts. For Used Parts for Automobiles. J. H. Wolff. 8,295; Oct 27.
Time Tells The Story. For Groceries. Reid, Murdoch & Co. 8,291; Oct. 27.
Why Drive an Old Car? For Varnishes and Enamels. N. A. Fisher. 8,279; Oct. 27.
Why Heinz Beans are Oven Baked. For Heinz Oven-Baked Beans. H. J. Heins Co. 8,281; Oct. 27.

# CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. M. J. Hornberger. 212,686; Oct. 27.
Coal. St. Clair Coal Company. 218,880; Oct. 27.
Coal. Southwestern Coal Company. 213,995; Oct. 27.
Foundry cores, Coating for. United States Graphite Co. 213,412; Oct. 27.
Hides. Lackawanna Leather Company. 213,244; Oct. 27.
Leather. General Leather Company. 201,807; Oct. 27.
Leather. A. C. Lawrence Leather Company. 219,126; Oct. 27.
Leather. North American Anolin Corporation. 215,702; Oct. 27.
Sponges, Soap. B. L. Henry. 202,013; Oct. 27.

CLASS 3.

Luggage. Lifton Mfg. Co. 218,263; Oct. 27.

CLASS 4.

Chemicals for cleaning clothing. Leadt Corporation. 217,567; Oct. 27.
Composition for use as a dressing for articles of rubber, leather, etc. Jaeger Chemical Company. 218,126; Oct. 27.
Metal and nickel polish, hand soap, etc. Livingston Co. 214,024; Oct. 27.
Soaps. Mott Mfg. Co. 218,132; Oct. 27.

CLASS 5.

Cement, Liquid. W. S. Zeller. 218,835; Oct. 27.

CLASS 6.

Bluing. O. Munselle. 203,050; Oct. 27.
Bluing paddle. A. E. Spencer Products Corporation. 219,092; Oct. 27.
Calcium carbide. Federal Carbide Co. 218,545; Oct. 27.
Cathartic and laxative compound. H. K. Mulford Company. 218,367; Oct. 27.
Chemical composition for cleaning drainpipes, etc. Hooker Electrochemical Company. 218,640–1; Oct. 27.
Chemical compound of guaiacol. E. Gilbert. 218,548; Oct. 27.
Chemical preparation for the hair. Royal Perfume Company. 219,143; Oct. 27.
Chemical products. Badische Anilin- & Soda-Fabrik. 215,960–1; Oct. 27.
Chemicals and alkalies, such as soda ash, sal soda, etc. Kali Manufacturing Co. 219,073; Oct. 27.
Compound for the treatment and repair of trees. Newbark Company. 211,540; Oct. 27.
Compound for the treatment of rheumatism and syphilis. Ng Gee Herb Co. 217,477; Oct. 27.
Cosmetics and toilet preparations. Fries & Fries Co. 216,971; Oct. 27.
Cream, hair tonic, shampoo, etc., Face. H. F. Remington. 216,476; Oct. 27.
Creams, almond lotion, hair shampoo, etc., Vanishing and cleansing. National Toilet Company. 219,404; Oct. 27.
Degumming agent. National Oil and Chemical Company. 218,771; Oct. 27.
Depilatory. Lucille Buhl, Inc. 219,223; Oct. 27.
Dye for leather. Griffin Manufacturing Co. 205,117; Oct. 27.
Hair balsam. Hiscox Chemical Works. 218,701; Oct. 27.
Hair balsam. Hiscox Chemical Works. 218,703; Oct. 27.
Hair tonics. L. L. Jaeger. 217,885; Oct. 27.
Insecticide, Liquid contact. A. A. Gold. 219,070; Oct. 27.
Insecticide, Tree paint for use as an. J. A. Pyle. 217,530; Oct. 27.
Laxatives. H. L. Fischer. 215,741; Oct. 27.
Liniment for rheumatism. R. M. & J. J. Murphy. 216,793; Oct. 27.
Medicinal preparation for the removal of corns, calli, warts, etc. S. Pfeiffer Mfg. Co. 219,600; Oct. 27.
Medicinal preparation used in the treatment of the feet. E. B. Jacobi. 215,747; Oct. 27.
Medicine for cold, grippe, and headache. C. A. McFarland. 215,877; Oct. 27.
Milk protein preparation. Troponwerke Dinklage & Co. 214,107; Oct. 27.
Mouth wash. O. A. Johnson. 219,632; Oct. 27.
Nitrous oxide gas and alcohol. Certified Laboratory Products Inc. 205,742; Oct. 27.
Oil, Cod-liver. B. N. Hakstad. 219,032; Oct. 27.
Oil, Cod-liver. Silmo Chemical Co. 219,148; Oct. 27.
Oil for the treatment of rheumatism. A. R. Lewis. 219,128; Oct. 27.
Oxalic acid, Bismarck brown aniline, etc. H. L. Greenbaum. 213,234; Oct. 27.
Paraffin stick, Medicated. L. C. Greenburg. 218,409; Oct. 27.
Perfume, toilet water, face powder, etc. Houbigant, Inc. 219,627–30; Oct. 27.
Perfumery. "Proka" Parfümerie-und Seifenfabriks A. G. 214,178; Oct. 27.
Perfumes. J. B. Hayward. 200,557; Oct. 27.
Perfumes and hygienic products. Franklin Simon & Co. 212,802; Oct. 27.
Perfumes, powders, etc. L. T. Piver, Inc. 219,602; Oct. 27.
Perfumes, toilet water, bath salts, etc. A. Gravier. 218,256; Oct. 27.
Perfumes, toilet water, face powder, etc. L. Becker. 218,685; Oct. 27.
Perfumes, toilet waters, face and toilet powders, and facial creams. C. Kavarnos. 218,463; Oct. 27.
Pharmaceutical product. Société Anonyme Laboratoire de Physiologie du Puits d'Angle. 190,710; Oct. 27.
Photographic developers, toning baths, etc. Mimosa Aktiengesellschaft. 218,076; Oct. 27.
Pills. J. F. Hrejsa. 211,105; Oct. 27.
Polish, Liquid nail. Nailcraft Co. 217,949; Oct. 27.
Powder, Toilet. P. Lemeland. 218,261; Oct. 27.
Powders, eye and skin lotions, etc., Headache. E. Gorodess. 216,333; Oct. 27.
Powders, rouge, and powder and rouge compacts, Face and cream. Dr. C. H. Berry Company. 218,445; Oct. 27.
Preparation for stopping leaks in radiators. Jiffy Manufacturing Company. 219,631; Oct. 27.
Remedies for the cure of corns. Hiscox Chemical Works. 218,702; Oct. 27.
Remedy for corns, warts, bunions, and calli. F. Costa. 217,863; Oct. 27.
Remedy for dandruff, falling hair, and as a hair tonic. J. A. Fillis. 218,694; Oct. 27.
Remedy, Stock. J. B. Knoblock. 213,977; Oct. 27.
Salt. Remington Salt Company. 218,661; Oct. 27.
Salt bath. Heatbath Corporation. 219,071; Oct. 27.
Salve. L. C. Daudelin. 218,451; Oct. 27.
Salve. F. F. Hrushka. 210,557; Oct. 27.
Salve. K. Krusin. 219,125; Oct. 27.
Skin lotions, antiseptic and soothing powder, and face cream. Ensemble Manufacturing Co. 219,662; Oct. 27.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Sodium bicarbonate, flaxseed meal, moth balls, etc. Durr Drug Company. 218,169; Oct. 27.
Starch and blue for laundry purposes, perfumery, dentifrices, etc. Newton, Chambers and Co. 215,528; Oct. 27.
Sterile serum salt. Reinschild Chemical Co. 212,036; Oct. 27.
Suppositories, Vaginal. H. K. Mulford Company. 218,365; Oct. 27.
Tablets, Cod-liver compound. C. H. McKeown. 216,196; Oct. 27.
Talcum and face powders, bath salts, cold creams, etc. Franklin Simon & Co. 213,494; Oct. 27.
Talcum powder and preparations for the treatment of pyorrhea, rheumatism, etc. M. G. Scoville Sons Company. 211,127; Oct. 27.
Toilet water. Eugene Berninghaus Company. 219,218; Oct. 27.
Witch-hazel extract. E. E. Dickinson Co. 218,054; Oct. 27.

CLASS 8.

Cigar holders, pipes, ash receivers, etc. Otto Eisenlohr & Bros. Incorporated. 194,986; Oct. 27.

CLASS 9.

Matches. General Match Company. 218,698; Oct. 27.
Revolvers and pistols. Smith and Wesson, Inc. 214,828; Oct. 27.
Squibs, Miner's. J. Powell. 220,295; Oct. 27.

CLASS 12.

Bungalows, Portable. J. A. Kinnear. 213,655; Oct. 27.
Stairways, Sliding. Farley & Loetscher Mfg. Co. 217,077; Oct. 27.

CLASS 13.

Bottle opener and nozzle, Combined. R. P. Pickering. 211,290; Oct. 27.
Screw-threaded brass fittings. Wolverine Brass Works. 220,381; Oct. 27.
Securing expansions and anchors, nails, etc. Diamond Expansion Bolt Co. 216,889; Oct. 27.
Strainers and valves. J. S. & J. F. String Incorporated. 218,507; Oct. 27.
Tubs, lavatories, sinks, etc., Bath and laundry. S. S. Spencer Co. 200,531; Oct. 27.

CLASS 14.

Metals and metal castings and forgings. Nobel Industries, Limited. 219,299; Oct. 27.

CLASS 15.

Gasoline. Johnson High Test Oil Company. 218,361; Oct. 27.
Gasoline. Ozark Oil Corporation. 218,520; Oct. 27.
Gasoline, kerosene, and lubricating oils. Martin County Co-Op. Oil Company. 217,939; Oct. 27.
Gasoline, kerosene, lubricating oils, and greases. Sherrill Oil Company. 218,931; Oct. 27.
Greases, Lubricating. D-A Lubricant Company. 219,383; Oct. 27.
Oil, Lubricating. Columbia Oil Company. 219,028; Oct. 27.
Oils, Lubricating. Johnson High Test Oil Company. 218,362; Oct. 27.
Petroleum products. W. H. Barber Company. 218,786; Oct. 27.

CLASS 16.

Art materials. Feldmann Fine Arts Co. 203,804; Oct. 27.
Bronze powders and liquids, kraft gesso, linseed oil, etc. W. E. Bramigk. 197,701; Oct. 27.
Enameling compound. Metal & Thermit Corporation. 201,503; Oct. 27.
Enamels, Auto. Kwickglo Enamel Co. 216,736; Oct. 27.
Paint, Enamel. McDougall-Butler Co. 218,711; Oct. 27.
Paints, enamels, stains, and varnishes. Truscon Steel Company. 217,429; Oct. 27.
Paints, oils, stains, and varnishes, Ready-made. H. Peterman. 203,142; Oct. 27.
Paints, paint enamels, wood stains, etc. Patterson-Sargent Company. 218,018–19; Oct. 27.
Paints, varnishes, paint enamels, etc. H. B. Walters. 217,971; Oct. 27.
Polish. Willesen Manufacturing Company. 218,347; Oct. 27.

CLASS 17.

Cigarettes. F. C. Hitch. 219,626; Oct. 27.
Tobacco, cigars, and cigarettes. Gallaher Limited. 207,348; Oct. 27.

CLASS 19.

Airplanes. Travel Air Manufacturing Co. 219,313; Oct. 27.
Automobiles, Step plates, kick or scuff plates, and body or protection rails for. O. C. Ritz-Woller. 195,728; Oct. 27.

CLASS 22.

Fishing rods. Horrocks-Ibbotson Co. 219,586; Oct. 27.
Fishing tackle. F. E. Chester Mfg. Co. 219,877; Oct. 27.
Game board. S. B. Reeder. 219,911; Oct. 27.
Golf clubs. Crawford McGregor and Canby Company. 220,112; Oct. 27.
Railroads, Miniature. American Flyer Mfg. Co. 220,100; Oct. 27.

CLASS 23.

Cigar and cigarette making machines, packing machines, etc. Aktiebolaget Formator. 212,313; Oct. 27.
Dish-washing appliances. Darlo Company. 214,463; Oct. 27.
Knitting machines, and needles for and parts of knitting machines. Edouard Dubied & Cie. Société Anonyme. 217,266; Oct. 27.
Printing press. Tribune Company. 218,438; Oct. 27.
Sawing machines, Wood. Cook-Lewis Foundry Company. 215,969; Oct. 27.
Sprayers and parts therefor, Insecticide. "Friend" Manufacturing Co. 211,204; Oct. 27.

CLASS 26.

Liquid-supply-indicating devices. F. J. Brannen Company. 219,374; Oct. 27.
Ophthalmic mountings. Barrows Optical Corporation. 220,171; Oct. 27.
Photographic plates and films. Lignosefilm G. m. b. H. 218,494–5; Oct. 27.

CLASS 29.

Brooms and brushes. San Francisco Association for the Blind. 204,724; Oct. 27.

CLASS 30.

Chinaware and china dinner sets. Hartman Furniture & Carpet Co. 202,869; Oct. 27.
Table and earthen ware. Johnson Brothers, (Hanley) Limited. 215,515; Oct. 27.

CLASS 31.

Filters. Pelco Auto Products, Inc. 219,450; Oct. 27.

CLASS 32.

Chairs, sofas, settees, davenports, and office couches. Taylor Chair Company. 216,125; Oct. 27.
Mattresses. Simmons Company. 219,607; Oct. 27.
Radio cabinets. Sherman Radio Manufacturing Corporation. 217,484; Oct. 27.
Store furniture. J. F. Kelly. 216,050; Oct. 27.

CLASS 34.

Heaters, stoves, and ranges. Southard Robertson Company. 205,961; Oct. 27.
Oil-burning equipment. Staples & Pfeiffer. 215,482; Oct. 27.
Stoves, ranges, and furnaces, Coal and gas. Waverly Heating Supply Company. 213,939; Oct. 27.

CLASS 35.

Tires. F. C. Roegge. 218,088; Oct. 27.

CLASS 37.

Paper, Bond. Appleton Coated Paper Company. 215,958; Oct. 27.
Paper mailing envelopes, portfolios, and wallets. M. Stark. 211,956; Oct. 27.
Paper sheets, strips, forms, etc. American Sales Book Company. 212,989; Oct. 27.
Pencils. A. S. Blyantfabriken Viking. 202,690; Oct. 27.
Wraps for fruit, Oil-treated. Hawley Pulp and Paper Company. 218,812; Oct. 27.

CLASS 38.

Books of plans and plans. A. G. Johnson. 216,185; Oct. 27.
Cartoon strip. H. L. Taskey. 217,646; Oct. 27.
Circulars and publications, Printed. Live Stock Exchange Inc. 201,570; Oct. 27.
Nom de plume for a newspaper section. J. H. Shannon. 218,433; Oct. 27.
Photographic prints. Ansco Photoproducts, Inc. 218,682; Oct. 27.
Publication, Monthly. Amusement Publishing Co. 215,289; Oct. 27.

CLASS 39.

Aprons, Rubber. E. H. Philpott. 216,428; Oct. 27.
Belts and garters. Enterprise Belt Mfg. Co. 218,801; Oct. 27.
Boots, shoes, and slippers, and hosiery. B. Lewis. 218,923. Oct. 27.
Boots and shoes, Leather. Holland Shoe Co. 218,972; Oct. 27.
Brassières, children's bibs, rubber kitchen aprons, bathing caps, and rubber garters. Omo Manufacturing Company. 219,446; Oct. 27.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Caps. American Cap Manufacturing Co. 218,037; Oct. 27.
Coats, dresses, suits, etc., Ladies'. M. J. Schneider. 216,644; Oct. 27.
Coats, vests, hats, dresses, shirts, etc. Abraham & Straus, Inc. 210,429; Oct. 27.
Coats, vests, trousers, and knickerbockers. Frankel Bros. 214,720; Oct. 27.
Coats, Women's. R. C. Skinner. 213,745; Oct. 27.
Corsets, corselettes, brassières, and bandeaux. I. Newman & Sons, Inc. 218,426; Oct. 27.
Gloves. Peerless Glove Company. 211,701; Oct. 27.
Gowns, women's coats, dresses, skirts, and waists. Timgad Company. 219,357; Oct. 27.
Hats, Ladies'. Julie Rosenblum Inc. 216,073; Oct. 27.
Hats, Ladies' and misses'. L. Jonas & Co. 217,935; Oct. 27.
Hosiery. Consolidated Glove & Hosiery Corp. 216,713; Oct. 27.
Hosiery. Hofmayer Dry Goods Co. 219,484; Oct. 27.
Suits and coats and women's coats, Men's. Hart, Schaffner & Marx. 219,536; Oct. 27.
Suits and overcoats for men. Pauson & Company. 217,045; Oct. 27.
Suits, Men's outer. I. Grossman. 219,534; Oct. 27.
Sweaters. Golden West Knitting Mills. 218,172; Oct. 27.
Sweaters, mackinaw coats, underwear, etc., Knitted. H. Cohen. 217,921; Oct. 27.
Underwear, Ladies'. Phoenix Hosiery Company. 219,555; Oct. 27.

CLASS 40.

Hairpins, Wire. De Long Hook and Eye Company. 197,065; Oct. 27.
Pins, Common or bank. L. W. Tiffany. 219,920; Oct. 27.

CLASS 42.

Cotton and wool fabrics in the piece, Printed. Cavanagh-Whiting Co. 218,606; Oct. 27.
Cotton, cotton and silk, and cotton, silk, and wool, etc., piece goods. Cohn-Hall-Marx Co. 218,001; Oct. 27.
Cotton, silk, and imitation silk fabrics in the piece. Worth Textile Co. 215,225; Oct. 27.
Cotton, wool, and silk piece goods and combinations of the same. John Mawson Hair Cloth Co. 220,291; Oct. 27.
Domestics, Bleached. M. Halff & Bro. 220,232; Oct. 27.
Fabrics made of worsted and wool yarn. H. Ernstberger & Co. 216,267; Oct. 27.
Hair nets. National Commodities Sales Corporation. 219,490; Oct. 27.
Hair nets. S. H. Rubenstein. 219,845; Oct. 27.
Poplin piece goods, Cotton. Marshall Field & Company. 218,620; Oct. 27.
Rayon (artificial silk) knitted materials in the piece. M. Lubin. 220,348; Oct. 27.
Sheets and pillowcases. Cannon Mills, Incorporated. 215,679; Oct. 27.
Sheets, pillowcases, bedspreads, etc. Cold Blast Feather Company. 185,815; Oct. 27.
Silk and cotton goods in the piece. Wm. Simpson, Sons & Co. 219,915; Oct. 27.
Silks and pile fabrics, rugs, and draperies, etc. National Department Stores Inc. 200,508; Oct. 27.
Textile fabrics in the piece. Rindeman-Salinger Co. 201,512; Oct. 27.
Voiles, Single-ply yarn cotton. Warwick Mills. 219,461; Oct. 27.
Voiles, Two-ply yarn cotton. Warwick Mills. 219,462–3; Oct. 27.
Woolen and worsted fabrics in the piece. Detmer, Bruner & Mason, Inc. 217,014; Oct. 27.
Worsted and woolen dress goods. F. A. Bochmann & Co. 216,451; Oct. 27.
Worsted fabrics, Woven. William F. Read & Sons Co. 219,303–4; Oct. 27.

CLASS 43.

Thread, Cotton. Societe en Commandite Maurice Frings & Cie. 177,574; Oct. 27.
Threads, Sewing. Insulating Materials Company. 217,620; Oct. 27.

CLASS 44.

Bedpans, disinfecting kettles, irrigator, etc. Aktiebolaget Separator. 216,663; Oct. 27.
Bunion protectors, bunion, corn, and callous shields. Pedox Produx, Inc. 217,290; Oct. 27.
Deaf Persons, Instruments and apparatus for the aid of, B. H. Dent. 219,817; Oct. 27.
Dental equipment. Electro Dental Manufacturing Co. 220,221–2; Oct. 27.
Jordan, Frances, Incorporated. Massage devices. 217,279; Oct. 27.
Lather forming and applicating apparatus. H. H. Hevenor. 219,184; Oct. 27.
Massage machines and violet-ray apparatus. Halliwell Electric Co. 208,049; Oct. 27.
Rubber pants and sanitary bloomers, Infants'. Omo Manufacturing Company. 219,445; Oct. 27.
Syringes, Hypodermic. Popper & Klein. 220,321; Oct. 27.

CLASS 45.

Beverages sold as soft drings, extracts, concentrates, and sirups for making the same. Florida Bottler's Co. 219,480; Oct. 27.
Ginger-ale, beverage sold as a soft drink and sirup for making same. Dominion Ginger Ale Corp. 219,885; Oct. 27.

CLASS 46.

Bacon. C. & T. Harris (Calne) Limited. 219,279; Oct. 27.
Bread. D. P. Woolley. 212,517; Oct. 27.
Bulgarian sour milk. A. S. Devore. 214,465; Oct. 27.
Candy. D. L. Clark Co. 215,735; Oct. 27.
Candy. P. Delaney. 218,167; Oct. 27.
Candy, Chewing. Hawley & Hoops. 214,660; Oct. 27.
Candy, Chocolate. Voegele & Dinning Company. 219,049; Oct. 27.
Canned caviar. Russian American Fish Products Corporation. 206,922; Oct. 27.
Canned fruits. F. E. Booth Co. 216,870; Oct. 27.
Canned fruits, vegetables, fish, olive oil, etc. Cafiero & Mencacci. 215,232; Oct. 27.
Canned peas. Staub-Richardson Company. 219,916; Oct. 27.
Canned peas, corn, string beans, and tomatoes. Frank Mosca Inc. 209,135; Oct. 27.
Canned peas, kraut, and beans. Blair Canning Co. 215,678; Oct. 27.
Canned salmon. Alaska Salmon Company. 210,777; Oct. 27.
Canned tamales. M. J. Klein. 218,764; Oct. 27.
Canned vegetables. M. M. Kroh. 219,747; Oct. 27.
Canned vegetables, rice, coffee, and catchup. Oneida County Creameries Company. 219,492; Oct. 27.
Cherries, apricots, peaches, plums, and grapes, Fresh. E. E. Morse. 218,865; Oct. 27.
Chocolate. Naamlooze Vennootschap Hollandsche Cacaoen Chocoladefabrieken Voorhen Bensdorp & Co. 219,297; Oct. 27.
Chocolate, cocoa, biscuits, caramels, and sweet meats. Fabbriche di Cioccolato e Cacao Michele Talmone Società Anonima. 217,606; Oct. 27.
Chocolate preparation. Cream of Chocolate Company of America. 219,061; Oct. 27.
Chop suey, Chicken. Law Canning Company. 216,551; Oct. 27.
Coffee. Goyer Company. 204,096; Oct. 27.
Coffee. Independence Coffee & Spice Co. 218,644; Oct. 27.
Coffee and tea. F. C. Brown & Company. 218,595; Oct. 27.
Coffee, tea, cocoa, etc. Weyer-Elbert Co. 216,754; Oct. 27.
Cookie cakes. Perfection Biscuit Company. 219,760; Oct. 27.
Cookies, Fruit. Sunnyklime Food Products Co. 219,152; Oct. 27.
Confectionery and nuts. Breed and Breed. 217,321; Oct. 27.
Corn flakes. Patent Cereals Company. 212,346; Oct. 27.
Flour, Cake. Sperry Flour Company. 219,787; Oct. 27.
Flour, Durum wheat. Washburn Crosby Company. 213,869; Oct. 27.
Flour, Wheat. International Milling Company. 218,462; Oct. 27.
Flour, Wheat. South Georgia Produce Company. 219,785; Oct. 27.
Food compound. Citizens' Wholesale Supply Co. 218,540; Oct. 27.
Food (molasses) not medicated, Prepared stock. A. Kaplan. 217,465; Oct. 27.
Fruits, Citrous. Frostproof Citrus Growers Assn. 187,415; Oct. 27.
Gelatine and sugar for quick desserts, Mixture of. Citizens' Wholesale Supply Co. 218,539; Oct. 27.
Gelatine desserts. M. Wishnetsky. 219,363; Oct. 27.
Grapes, pears, plums, etc., Fresh. M. Gilbert. 203,265; Oct. 27.
Gum, Chewing. American Chicle Company. 213,881; Oct. 27.
Gum, Chewing. American Chicle Company. 220,058; Oct. 27.
Hams, bacon, shoulders, and sausage. Henneberry & Company. 219,123; Oct. 27.
Hams, Smoked. F. A. Ferris & Company. 164,755; Oct. 27.
Ice cream. Campbell's Ice Cream Factory, Ltd. 211,974; Oct. 27.
Ice cream on the end of a stick. Zickos Brothers & Co. 216,249; Oct. 27.
Malt extract. G. H. Wetterau & Sons Grocer Co. 215,723; Oct. 27.
Malt sirup. Grocers Supply Co. 218,482; Oct. 27.
Malt sirup, Nonalcoholic. Consumers Products Co. 202,846; Oct. 27.
Marchpane. Mablo-Werke G. m. b. H. 211,172; Oct. 27.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Mayonnaise and salad dressing. May Pro Company. 217,723; Oct. 27.
Mayonnaise dressing. Three Girls Home Food Products. 199,587; Oct. 27.
Meat extracts and essences, canned and bottle soups, etc. Brand & Company. 211,453; Oct. 27.
Meringues, icings, candy, and confectionery, Mixture for making. Hirsch Brothers Co. 196,457; Oct. 27.
Milk, Evaporated. Meyenberg Evaporated Milk Co. 218,269; Oct. 27.
Oil, Olive. M. Deminico. 196,730; Oct. 27.
Oil, Olive. Martí y Gutiérrez. 181,202; Oct. 27.
Oranges, lemons, and grapefruit. Escondido Fruit Growers Association. 213,776; Oct. 27.
Oranges, lemons, and grapefruit. Upland Lemon Growers Association. 212,979; Oct. 27.
Oranges, lemons, grapefruit, fresh grapes, melons, and fresh vegetables. Osborne Fruits & Vegetable Co. 219,838; Oct. 27.
Oysters, Raw. Salisbury Packing Co. 217,585; Oct. 27.
Pectin and fruit juices, Clarifier of. Takamine Laboratory, Inc. 218,882; Oct. 27.
Preserves, tomato catchup, salad dressing, etc., Fruit. W. Blakeman. 216,581; Oct. 27.
Pretzels. D. F. Stauffer Biscuit Co. 219,698; Oct. 27.
Prunes, Dried. Rosenberg Bros. & Co. 212,296; Oct. 27.
Sauces and salad dressings, Condimental. Price Flavoring Extract Company. 218,080; Oct. 27.
Sausage. J. S. Hoffman Company. 204,910; Oct. 27.
Sausage, ham, pork loins, bacon, and pork shoulders, J. R. Stetson, jr. 214,630; Oct. 27.
Sirup, Table. Mission Maple Syrup Co. 215,086; Oct. 27.
Tarts, cakes, and meringues, Coatings for fruit. Adolf J. Mainzer, Inc. 219,541; Oct. 27.
Tea, coffee, rice, spaghetti, etc. Great American Tea Company. 209,402; Oct. 27.

CLASS 48.

Malt sirup. Fidelity Hop & Malt Company. 211,581; Oct. 27.
Malt sirup. Fidelity Hop & Malt Company. 211,583; Oct. 27.

CLASS 50.

Receptacle closures. Crown Cork and Seal Company of Baltimore City. 219,233; Oct. 27.
Receptacles, Closures for. Crown Cork and Seal Company of Baltimore City. 219,063; Oct. 27.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 27TH DAY OF OCTOBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A. G. für Chemische Industrie in Liechtenstein. (See Thalhofer, Walter, assignor.)
Abbott, William E., Pasadena, assignor of one-fourth to D. F. Rease, one-fourth to R. H. Caldwell, and one-eighth to L. Smith, Santa Cruz, Calif. Life preserver. 1,559,059; Oct. 27.
Abendschein, George F., Rutherford, N. J., assignor to The Staib-Abendschein Company, New York, N. Y. Hammer-rail spring. 1,559,495; Oct. 27.
Absheer, Zachry M., Lothair, Ky. Automatic coupler. 1,559,397; Oct. 27.
Abysalh, Assaf G. (See Lavigne, Henry W., assignor.)
Adams, John S., Pomona, Calif. Headlight mounting and construction. 1,558,569; Oct. 27.
Adams, John S., Pomona, Calif. Headlight. 1,558,570; Oct. 27.
Adams, Julius F., Pittsburgh, Pa. Electric heater. Des. 68,558; Oct. 27.
Adams, Walter L., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Shifting lever for fishing reels. 1,559,496; Oct. 27.
Adelmeyer, Louis, Lomira, Wis. Operator for blower-pipe caps. 1,559,141; Oct. 27.
Advertisers' Weekly, Inc., The. (See Rogers, Jason, assignor.)
Aitken, Andrew W., Springfield, Ohio. Gear. 1,558,769; Oct. 27.
Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)
Albert, Walter P. (See Matthies, W. H., and Albert.)
Albert, Walter P., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,559,297; Oct. 27.
Alger, William H., Worcester, Mass. Toy. 68,559; Oct. 27.
Alleman, Grant E., Shoemakersville, Pa. Scraper blade. 1,559,060; Oct. 27.
Allen & Courtney Oil Tool Company. (See Allen, H. E., and Murray, assignors.)
Allen, Hubert E., and P. F. Murray, Whittier, assignors to Allen & Courtney Oil Tool Company, Compton, Calif. Well choker. 1,559,061; Oct. 27.
Allen, William R. (See Marker, W. M., and Allen.)
Allison, Norton H., Florence, Kans. Railway device. 1,558,571; Oct. 27.
American Druggists Syndicate. (See Waring, Olaf I., assignor.)
American Fabrics Company, The. (See Page, Samuel H., assignor.)
American Laundry Machinery Company, The. (See Colclough, William, assignor.)
American Machine & Foundry Company. (See Jackson, John, assignor.)
American Machine and Foundry Company. (See Klein, M., and Stein, assignors.)
American Machine & Foundry Company. (See Ogden, Ashley G., assignor.)
American Multigraph Company, The. (See Chisholm, Clifton, assignor.)
American Numbering Machine Company. (See Gordon, Joseph R., assignor.)
American Research and Development Company. (See Becker, Julius H., assignor.)
American Steel Foundries. (See Clegg, William H., assignor.)
American Telephone and Telegraph Company. (See Carson, John R., assignor.)
American Telephone and Telegraph Company. (See Davidson, John, jr., assignor.)
American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See von Nostitz, Erich, assignor.)
Ames, Butler, Lowell, Mass. Pneumatic-tire construction. 1,559,142; Oct. 27.
Anaconda Sales Company. (See Gillis, Julius H., assignor.)
Andersen, Christian, Portland, Oreg. Motion-picture machine. 1,559,298; Oct. 27.
Andersen, Lauritz W., Waterbury, Conn. Candle-shade holder. 1,558,770; Oct. 27.
Anderson Brake Adjuster Company. (See Anderson, Charles O., assignor.)
Anderson, Charles O., Omaha, Nebr. Adjusting means for railway brakes. 1,559,144; Oct. 27.
Anderson, Charles O., assignor to Anderson Brake Adjuster Company, Omaha, Nebr. Automatic slack adjuster. 1,559,143; Oct. 27.
Anderson, Fritz A., Milton, Wis., assignor to Burdick Cabinet Company. Adapter. 1,559,062; Oct. 27.
Anderson, Hans H., Chicago, Ill. Bathroom fixture. 1,559,398; Oct. 27.
Anderson, Harry T., Butler, assignor to Standard Steel Car Company, Pittsburgh, Pa. Car for hot metal. 1,559,027; Oct. 27.
Anderson, Harry T., and A. Christianson, Butler, assignors to Standard Steel Car Company, Pittsburgh, Pa. Car for hot metal. 1,559,025; Oct. 27.
Anderson, Harry T., Butler, assignor to Standard Steel Car Company, Pittsburgh, Pa. Car-door-operating mechanism. 1,559,026; Oct. 27.
Anderson, Oscar W., assignor to A. J. Gerrard, Chicago, Ill. Reenforced container. 1,558,771; Oct. 27.
Andrews, Jarvis M., Wollaston, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Cinematography. 1,559,145; Oct. 27.
Andrews, Philip A., Waukegan, Ill., assignor to Johns-Manville, Inc., New York, N. Y. Making artificially-integrated shaped bodies and the product of said method. 1,559,146; Oct. 27.
Andrews Shade Company, The. (See Andrews, Walter E., assignor.)
Andrews, Walter E., Whitman, assignor to The Andrews Shade Company, Boston, Mass. Shade. 1,558,449; Oct. 27.
Anduze, Lucien, Limoges, France, assignor to H. C. Kupper, New York, N. Y. Teapot or similar article. Des. 68,560; Oct. 27.
Anduze, Lucien, Limoges, France, assignor to H. C. Kupper, New York, N. Y. Covered dish or similar article. Des. 68,561; Oct. 27.
Annen, James E., and G. O. Frostad, assignors to The National Paper Can Company, Milwaukee, Wis. Paper cover for containers. 1,559,028; Oct. 27.
Apex Chandelier Co. (See Tepfer, Harry, assignor.)
Arano, George V. (See Thompson, F. J., and Arano.)
Archer, Thomas P., assignor to Ternstedt Manufacturing Co., Detroit, Mich. Crank-handle assembly. 1,558,772; Oct. 27.
Arnold, William C., et al. (See Gerow, George C., assignor.)
Aronsen, Halfdan B. U., Oakland, Calif. Spring suspension. 1,559,029; Oct. 27.
Aronson, Louis V., Newark, N. J. Sparkler. 1,558,450; Oct. 27.
Art Metal Construction Company. (See Watson, S. L., Beckstrom, and Gronberg, assignors.)
Arthur, James F. (See Muck, William S., assignor.)
Askania-Werke A.-G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau. (See Wünsch, Guido, assignor.)
Askenasy, Paul. (See Obersohn, A., Wachtel, Sakom, and Askenasy.)
Atlas Powder Company. (See Huyett, Daniel D., assignor.)
Au, Carl H. (See Bagley, J. W., and Au.)
Audiphone Company of America. (See Reynolds, De Elbert A., assignor.)
Aurness, Peter A., Minneapolis, Minn. Stethoscope. 1,559,147; Oct. 27.
Automatic Electric Company. (See Jacobsen, Emil, assignor.)
Automatic Electric Company. (See Smith, Arthur B., assignor.)
Autrey, Alfred R., Port Arthur, Tex. Decolorizing and refining gums and resinous products of coniferous pine trees. 1,559,399; Oct. 27.
Badeaux, Alphonse P., New Orleans, La. Garment cleaning and drying device. 1,558,572; Oct. 27.
Badger Fire Extinguisher Company. (See Esselen, Gustavus J., jr., assignor.)
Badische Anilin- & Soda-Fabrik. (See Mittasch, A., Pier, and Winkler, assignors.)
Bage Needle Co., The. (See Flannery, John L., assignor.)
Bagley, James W., Fayetteville, Tenn., and C. H. Au, Washington, D. C. Aero camera. 1,559,400; Oct. 27.
Baits, Stuart G., assignor to Hudson Motor Car Company, Detroit, Mich. Clutch for automobiles. 1,558,773; Oct. 27.
Baker, Clarence I., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Selector switch. 1,558,822; Oct. 27.
Baker, William T., Westwood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Selective signaling device. 1,559,497; Oct. 27.
Balazy, Constanty. (See Gemza, J., and Balazy.)

Balcom, Frederick J., Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail distributor. 1,558,451; Oct. 27.
Bancel, Paul A., Nutley, assignor to Ingersoll-Rand Company, Jersey City, N. J. Condenser unit. 1,558,573; Oct. 27.
Banks, George E. (See Banks, Harold N. and G. E.)
Banks, Harold N. and G. E., Delta, Utah. Centrifugal amalgamator. 1,558,574; Oct. 27.
Bär, Reinhardt T., and K. Bölte, assignors to the Firm Voigt & Haeffner, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cylinder switch with no-voltage or overflow-current release. 1,559,030; Oct. 27.
Barach, Louis V., Pittsburgh, Pa. Golf club. 1,559,299; Oct. 27.
Barbe, Edgar H., New York, N. Y. Gasoline gauge. 1,558,452; Oct. 27.
Barber Asphalt Company, The. (See Freegard, William, assignor.)
Barbet, Emile A., Paris, France. Continuous rectification of spirits, petroleums, and benzols. 1,559,218; Oct. 27.
Barman, Louis M., assignor to Roneo Limited, London, England. Stencil card for use with addressing machines. 1,558,575; Oct. 27.
Barnard, John H., Brooklyn, N. Y., assignor of one-fourth to H. N. Fletcher, Englewood, N. J. Internal-combustion engine. 1,559,300; Oct. 27.
Barnard, John H., Brooklyn, N. Y., assignor of one-fourth to H. N. Fletcher, Englewood, N. J. Internal-combustion engine. 1,559,301; Oct. 27.
Barnes, Ira J., Queen City, Mo. Berry picker. 1,558,774; Oct. 27.
Barras, Herbert P., assignor of one-fourth to P. A. Le Bourgeois and one-fourth to P. G. Le Bourgeois, Jeanerette, La. Cut-out for tractors. 1,558,775; Oct. 27.
Barratt, William G., Burslem, Stroke-on-Trent, England. Teapot and coffeepot provided with loose lids. 1,558,776; Oct. 27.
Barrett, Frank L., Whalley Range, near Manchester, and R. P. Foulds, Colne, near Manchester, assignors to Tootal Broadhurst Lee Company Limited, Manchester, Lancaster, England. Treatment of cellulosic fibers and fabrics. 1,558,453; Oct. 27.
Barrett, James H., Beggs, Okla. Gasket check valve. 1,558,777; Oct. 27.
Barrett, Ray W., and L. T. Koppl, Huntington Beach, Calif. Elevator. 1,559,302; Oct. 27.
Barringer, Wallis and Manners Limited. (See Whiteley, Ernest, assignor.)
Barthel, Oliver E., and J. W. McCrea, Detroit, Mich. Foot control for automobiles. 1,558,454; Oct. 27.
Barton, Hilla J. (See Brandt, E., and Barton.)
Bates, Sarah R., Prairie City, Oreg. Hammock. 1,559,303; Oct. 27.
Bauman, Arthur E., Akron, Ohio. Tire core. 1,558,455; Oct. 27.
Baumann, Karl, Urmston, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Flexible coupling. 1,558,576; Oct. 27.
Bayne, George M., Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company. Water heater. 1,558,823; Oct. 27.
Beall, Charles R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-vehicle governing apparatus. 1,558,824; Oct. 27.
Beard, Lawrence O., Lancaster, Pa. Tool for reaming valves and valve seats. 1,558,825; Oct. 27.
Beardsley & Piper Company, The. (See Beardsley, E. O., and Piper, assignors.)
Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Machine for filling molds. 1,558,577; Oct. 27.
Bearse, Ephraim L., Centerville, Mass. Candle ring. 1,559,304; Oct. 27.
Becherer, George, St. Louis, Mo. Stitch puller. 1,558,456; Oct. 27.
Beck, Edward E. (See Garabrant, G. E., and Beck.)
Beck, William O., Ridgefield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Relay. 1,559,305; Oct. 27.
Becker, Julius H., San Francisco, Calif., assignor, by mesne assignments, of one-half to American Research and Development Company. Pressure-responsive device. 1,559,063; Oct. 27.
Beckstrom, August W. (See Watson, S. L., Beckstrom, and Gromberg.)
Beebe, Murray C., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing system. 1,558,826; Oct. 27.
Begelman, Jacob, Brooklyn, N. Y. Automobile bumper and support therefor. 1,558,457; Oct. 27.
Bell, John E. (See Isom E. W., and Bell.)
Bell, John E., Brooklyn, N. Y., and H. Kreisinger, Pittsburgh, Pa., assignors to Combustion Engineering Corporation. Fuel-pulverizing apparatus. 1,558,663; Oct. 27.
Bellamore, David H., New York, N. Y., assignor to The Steel Wheel Corporation. Pressed-steel wheel. 1,558,458; Oct. 27.
Benner, Harry P. (See Egloff, G., and Benner.)
Bennett, Cornelius V. (See Peck, J. M., Bennett, and Ryan.)
Bennett, William E., Craig, Mont. Hairpin. 1,558,578; Oct. 27.
Bennington, Earl T., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Grab. 1,558,778; Oct. 27.
Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Tramrail carrier. 1,558,779; Oct. 27.
Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Actuating handle for a reciprocating member. 1,559,306; Oct. 27.
Bernardo, Albert, Philadelphia, Pa. Hand traveling bag. 1,559,307; Oct. 27.
Bernau, Frederick W., Hillside, assignor to Ellis Adding-Typewriter Company, Newark, N. J. Ribbon winding and reversing mechanism. 1,559,148; Oct. 27.
Bernau, Frederick W., Detroit, Mich., assignor to Ellis Adding-Typewriter Company, Newark, N. J. Duplex paper table. 1,559,149; Oct. 27.
Berry, Wallace H. (See Stavrum, M. W., Olson, and Berry.)
Betham, Edna M., executrix. (See Betham, William R.)
Betham, William R., deceased, Chicago, Ill.: E. M. Betham, executrix. Railway-baggage coupon ticket. 1,558,780; Oct. 27.
Bethlehem Steel Company. (See Julstedt, Clas J., assignor.)
Beugler, Edwin F., assignor to E. & B. Holmes Machinery Co., Buffalo, N. Y. Compressing mechanism for barrel-making machines. 1,559,401; Oct. 27.
Bindner, Julius R., St. Louis, Mo. Shank for turn shoes. 1,558,664; Oct. 27.
Birdsey, Charles R., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Machine and method of making plaster wall board. 1,558,459; Oct. 27.
Birkin and Company. (See Birkin, C. W., and Sands, assignors.)
Birkin, Charles W., and E. T. Sands, assignors to Birkin and Company, Broadway, England. Lace. Des. 68,562; Oct. 27.
Birkin, Charles W., and E. T. Sands, assignors to Birkin and Company, Broadway, England. Lace. Des. 68,563; Oct. 27.
Bishop, Alfred J., Melbourne, Victoria, Australia. Apparatus for pickling and/or mixing grain and for other analogous purposes. 1,558,580; Oct. 27.
Bishop, William J., Collingwood, Ontario, Canada. Automobile direction indicator. 1,558,579; Oct. 27.
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Display receptacle. 1,559,064; Oct. 27.
Blake, Eli J., Buffalo, N. Y., assignor, by mesne assignments, to The Gould Coupler Company. Governor. 1,559,065; Oct. 27.
Blanchette, Eli, assignor of one-third to A. C. Delano, Lawrence, and one-third to F. E. Gregg, Marblehead, Mass. Brick machine. 1,558,781; Oct. 27.
Bleecker, Warren F., Boulder, Colo. Surfacing process. 1,558,782; Oct. 27.
Bleecker, Warren F., Boulder, Colo. Repairing concrete. 1,558,783; Oct. 27.
Bleecker, Warren F., Boulder, Colo. Electrolytic timer. 1,558,784; Oct. 27.
Bloom, Albin, Miles City, Mont. Skid. 1,558,581; Oct. 27.
Blosick, Thomas J., Portland, Oreg. Wire stretcher. 1,558,582; Oct. 27.
Boardman, Ralph H., New Britain, Conn., assignor to The Stanley Works. Automobile steering connection and making the same. 1,559,402; Oct. 27.
Bock, William E., Chicago, Ill. Light bulb. 1,558,583; Oct. 27.
Boehmihl, Max, G. Ehrhart, and P. Fritzsche, assignors to Farbwerke vorm. Meister Lucius & Brüning, Hoechst-on-the-Main, Germany. Complex gold compounds and making same. 1,558,584; Oct. 27.
Boettcher, Arthur H. (See Gulbransen, A. G., and Boettcher.)
Bohmker, John C., Bradley, assignor to Sears, Roebuck and Co., Chicago, Ill. Plow. 1,559,066; Oct. 27.
Bolstad, Alfred C., and A. E. MacQuarrie, Minneapolis, Minn. School desk. 1,558,827; Oct. 27.
Bölte, Karl. (See Bär, R. T., and Bölte.)
Bonney-Floyd Company, The. (See Floyd, Walter B., assignor.)
Borden, Edwin A., Oak Park, Ill. Treatment of printing plates. 1,559,150; Oct. 27.
Böttner, Arno, Sudenburg, near Magdeburg, assignor to the Firm Polte, Magdeburg, Germany. Valve. 1,559,515; Oct. 27.
Bowser, S. F., & Company. (See Pepper, Byron J., assignor.)
Boykow, Hans, Schoneberg, near Berlin, assignor to the Firm Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Method and stereoscopic device for reproducing objects. 1,558,585; Oct. 27.
Boyle, Raymond E., Chicago, Ill. Automobile signal. 1,559,308; Oct. 27.
Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Recording chronograph. 1,558,828; Oct. 27.



Bradley, Charles E., Montclair, N. J., and J. C. Coffin, Hempstead, N. Y., assignors to General Rubber Company. Sprayer. 1,558,580; Oct. 27.
Bradley, Charles E. (See Whittelsey, T., and Bradley.)
Brandell, Claus O., Chicago, assignor of one-half to C. A. Carlson, Cicero, Ill. Tile-making machine. 1,559,498; Oct. 27.
Brandell, Calus O., Chicago, assignor of one-half to C. A. Carlson, Cicero, Ill. Process and machine for making tile. 1,559,499; Oct. 27.
Brandt, Edward, and H. J. Barton, Detroit, Mich. Electric-lighting fixture. Des. 68,564; Oct. 27.
Brandwood, John, T., and J., Elton, Bury, England. Process of and apparatus for the bleaching, dyeing, and analogous treatment of textile fibers. 1,558,460; Oct. 27.
Brandwood, Joseph. (See Brandwood, John, T., and J.)
Brandwood, Thomas. (See Brandwood, John, T., and J.)
Brasch, Louis F., Newark, N. J. Roll holder. 1,559,151; Oct. 27.
Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Duplicating machine. 1,559,067; Oct. 27.
Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Inking means for duplicating machines. 1,559,068; Oct. 27.
Breckenridge, Gerald F. (See Crowell, R. B., and Breckenridge.)
Breit, Carl N., Louisville, Ky. Hedge cutter. 1,558,665; Oct. 27.
Breslauer, Joseph, Geneva, Switzerland, and G. Darier, Bordighera, Italy, assignors to Société d'Études Chimiques pour l'Industrie, Geneva, Switzerland. Manufacture of nitrogenic and phosphatic combinations. 1,559,516; Oct. 27.
Breslauer, Joseph, Geneva, Switzerland, and G. Darier, Bordighera, Italy, assignors to Société d'Études Chimiques pour l'Industrie, Geneva, Switzerland. Manufacure of nitrogenic and phosphatic combinations. 1,559,517; Oct. 27.
Breslauer, Joseph, Geneva, Switzerland, and G. Darier, Bordighera, Italy, assignors to Société d'Études Chimiques pour l'Industrie, Geneva, Switzerland. Manufacture of nitrogenic and phosphatic combinations. 1,559,518; Oct. 27.
Brewer, E. Lee, Dallas, Tex. Safety bar attachment for railway switches. 1,559,408; Oct. 27.
Brewer, Joseph, and H. S. Wilks, New York, N. Y. Handball bat. 1,558,666; Oct. 27.
Brewer-Titchener Corporation, The. (See Evans, Lynn, assignor.)
Breyer, Robert, assignor to The Phoenix Hosiery Company, Milwaukee, Wis. Safety tread control. 1,559,152; Oct. 27.
Bried, Julien A., Oakland, Calif. Skate. 1,558,667; Oct. 27.
Brighouse, Thomas, Stretford, England, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company. Liquid-sealed gland for rotating shafts. 1,558,587; Oct. 27.
Brintzenhofe, Otto, Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc. Vacuum cleaner. 1,559,153; Oct. 27.
British Reinforced Concrete Engineering Company, Limited, The. (See Monaghan, E. M., and Rigby.)
Brody, William, New York, N. Y. Hypodermic syringe. 1,558,829; Oct. 27.
Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Boiler with superheater. 1,559,154; Oct. 27.
Brooks, James M., Atlanta, Ga. Tractor harrow. 1,559,309; Oct. 27.
Brough, William R., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,558,830; Oct. 27.
Broulhiet, Georges, St. Etienne, France. Elastic-hub shock absorber. 1,559,310; Oct. 27.
Brown-Lipe Gear Company. (See Spase, Charles B., assignor.)
Brown, Lott D., C. D. French, and F. Mahood, Dallas, Oreg. Flax-gathering attachment for binders. 1,559,311; Oct. 27.
Brown, Louis H. (See O'Donnell, John, jr., assignor.)
Brown & Bigelow. (See Reichle, Frederick J., assignor.)
Brune, Louis J., sr., Algiers, La. Car seal. 1,558,960; Oct. 27.
Brunner, George W., O. G. Wood, and C. P. Wood, St. Paul, Minn. Static-electricity remover and drier for printing presses. 1,558,831; Oct. 27.
Buckley, Thomas A., Brooklyn, N. Y. Toothbrush. 1,559,519; Oct. 27.
Bullimore, William R., London, England. Manufacture of filaments or cathodes for electric lamps, thermionic tubes, and the like. 1,558,961; Oct. 27.
Bullock, Charles F., Schenectady, N. Y., assignor to General Electric Company. Multirange flow nozzle. 1,559,155; Oct. 27.
Bullock, Charles F., Schenectady, N. Y., assignor to General Electric Company. Orifice-type pressure-difference-creating device for flow meters. 1,559,156; Oct. 27.
Bunet, Paul, Moissy-Cramayel, France. High-tension electrical condenser. 1,559,404; Oct. 27.
Bunker, John W. (See Horton, George W., assignor.)
Burdick Cabinet Company. (See Anderson, Fritz A., assignor.)
Burdick Cabinet Company. (See Gunnerson, Walter E., assignor.)
Burdick, Ephrnim, Madison, assignor of one-half to U. A. Eato, Cleveland, Ohio. Beet harvester. 1,559,501; Oct. 27.
Burdine, Pearl G., Chester, Miss. Shock absorber. 1,558,588; Oct. 27.
Burnham, George A., Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company. Electric switch. 1,559,157; Oct. 27.
Burnham, Leland F., Wilkinsburg, Pa., assignor to R. D. Nuttall Company. Trolley pole. 1,558,832; Oct. 27.
Burrow, Frank V., Los Angeles, Calif. Amusement device. 1,559,219; Oct. 27.
Burrows, Robert J., assignor to Clark Equipment Company, Buchanan, Mich. Metal wheel. 1,558,785; Oct. 27.
Butcher, John H., Rugby, and A. P. Young, Kenilworth, England, assignors to General Electric Company. Sound-emitting device. 1,559,158; Oct. 27.
Butler, Robert, Boston, Mass. Tobacco pipe. 1,558,833; Oct. 27.
Buttolph, Leroy J., East Orange, N. J., assignor to Cooper Hewitt Electric Company. Color-fade-testing apparatus. 1,558,786; Oct. 27.
C. G. Spring & Bumper Company, The. (See Dunston, Wayne E., assignor.)
Cadieux, Joseph O., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Electric-signal receptacle. 1,559,312; Oct. 27.
Caillat, Frank W. (See Galwey, Edward K., assignor.)
Caille Brothers Company, The. (See Smith, Theodore L., jr., assignor.)
Calcott, William S., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making tetra-alkyl lead. 1,559,405; Oct. 27.
Caldwell, R. H., et al. (See Albott, William E., assignor.)
California Walnut Growers Association. (See Christie, Arthur W., assignor.)
Callahan, Michael J., New York, N. Y. Electrical control for dampers for unit ventilators. 1,559,069; Oct. 27.
Callahan, Michael J., New York, N. Y. Fluid control for dampers for unit ventilators. 1,559,070; Oct. 27.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Brake mechanism for railway cars. 1,558,461; Oct. 27.
Campbell, Harry E., New York, N. Y., assignor to Campbell Metal Window Corporation, Baltimore, Md. Metal window frame and sashes. 1,559,502; Oct. 27.
Campbell Metal Window Corporation. (See Campbell, Harry E., assignor.)
Campbell, Sterling H., assignor to Railway Devices Company, St. Louis, Mo. Coupler-release rigging. 1,558,787; Oct. 27.
Campbell, William H., Minneapolis, Minn. Pump. 1,558,788; Oct. 27.
Candee, L., & Company. (See Coffin, Joseph G., assignor.)
Canute, Ray B., Minneapolis, and E. H. Tank, St. Paul, Minn. Composition for preventing corrosion. 1,558,589; Oct. 27.
Caracristi, Virginius Z., Bronxville, N. Y., assignor to Locomotive Pulverized Fuel Company. Pulverizing system. 1,559,220; Oct. 27.
Carlson, Carl A. (See Brandell, Claus O., assignor.)
Carlson, Raymond E., Washington, D. C. Control for carburetors. 1,558,590; Oct. 27.
Carpenter, Verl, Lancaster, Ohio. Flower rack. 1,559,221; Oct. 27.
Carpenter, Warren W., Queens, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,558,834; Oct. 27.
Carr Fastener Company. (See Pierce, Walter H., assignor.)
Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Discharge and control valve. 1,558,789; Oct. 27.
Carrey, John O., assignor to Carrey Rotary Engine Company, St. Louis, Mo. Charging valve. 1,559,222; Oct. 27.
Carrey-Morse Engineering Company. (See Carrey, John O. assignor.)
Carrey Rotary Engine Company. (See Carrey, John O., assignor.)
Carrier Engineering Corporation. (See Hunter, H. and Ragsdale, assignors.)
Carson, Francis L., Berkeley, Calif., Surface-rolling device. 1,559,406; Oct. 27.
Carson, John R., Montclair, N. J., assignor to American Telephone and Telegraph Company. Telegraph signaling system. 1,559,159; Oct. 27.
Carter, Clarence W., assignor to Carter-Mayhew Manufacturing Company, Minneapolis, Minn. Feed regulator. 1,558,668; Oct. 27.
Carter, Louis E., assignor of one-fourth to F. W. Cornell, St. Joseph, Mo. Lock mechanism. 1,559,160; Oct. 27.
Carter-Mayhew Manufacturing Company. (See Carter, Clarence W., assignor.)
Carter, Walter, Johnstown, Pa. Switch controller. 1,559,407; Oct. 27.
Case, Robert O. (See Edwards, L. S., and Case.)

Cate, Malcolm S. (See Perrault, J. E., and Cate.)
Cathcart, Robert, assignor to The Lino Paint Company, Cleveland, Ohio. Drier. 1,558,835; Oct. 27.
Cavanagh, William F., assignor to Robert Gair Company, Brooklyn, N. Y. Slide-lock support. 1,559,071; Oct. 27.
Cayer, Gedeon, Willow Bunch, Saskatchewan, Canada. Vehicle Axle. 1,558,462; Oct. 27.
Chain Belt Company. (See Roddy, G. R., and Hickman, assignors.)
Chalmers, Harry B., Yarraville, Victoria, Australia, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding molten glass. 1,558,790; Oct. 27.
Chalmers, James G., assignor of one-half to Modern Flour Mills, Macon, Ga. Apparatus for cleaning wheat. 1,558,591; Oct. 27.
Chandler, David G., Racine, and R. T. Svendsen, Indianapolis, Ind. Vulcanizer. 1,559,072; Oct. 27.
Cheney, Everett W. (See Gulling, C. A., and Cheney.)
Cheney, Ray F., assignor of one-third to W. H. Williamson and one-third to C. H. Starr, Rockford, Ill. Governor. 1,558,791; Oct. 27.
Chenoweth, Floyd W., Perry, Iowa. Ring expander. 1,558,836; Oct. 27.
Chesler, Joseph, assignor to Chesler Meter Company, Sidney, Ohio. Water meter. 1,558,532; Oct. 27.
Chesler Meter Company. (See Chesler, Joseph, assignor.)
Chester, Dick H., Buffalo, N. Y. Expansion joint. 1,558,592; Oct. 27.
Chicago Pneumatic Tool Company. (See Stevens, Edward W., assignor.)
Chidlow, John J., Cut Bank, Mont. Fire-box door and deflector plate. 1,558,962; Oct. 27.
Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Underscoring device for printing forms. 1,559,074; Oct. 27.
Chrey, Theodore, and E. R. Milligan, Bremerton, Wash. Convertible body for motor cars. 1,558,837; Oct. 27.
Chrisman, Arthur L., Springfield, Ill. Can opener. 1,558,463; Oct. 27.
Christianson, Andrew. (See Anderson, H. T., and Christianson.)
Christie, Arthur W., Berkeley, assignor to California Walnut Growers Association, Los Angeles, Calif. Bleaching nuts. 1,558,963; Oct. 27.
Church, John A., jr., assignor to United Verde Extension Mining Company, New York, N. Y. Smelting furnace and smelting ores therein. 1,559,510; Oct. 27.
Church, John A., jr., assignor to United Verde Extension Mining Company, New York, N. Y. Smelting furnace and smelting ores therein. 1,559,511; Oct. 27.
Churchill, Ralph H., Chicago, Ill. Vulcanizing material and apparatus. 1,558,792; Oct. 27.
Cillies, Henry C., jr. (See Sams, Charles L., assignor.)
Clark Brothers Company. (See Reid, Joseph S., assignor.)
Clark, Charles S., Kew Gardens, N. Y. Guide and score card for control in progressive games. 1,558,838; Oct. 27.
Clark Equipment Company. (See Burrows, Robert J., assignor.)
Clark, Percy, Melbourne, Victoria, Australia. Means for use in raising the lids of kettles and like vessels. 1,558,839; Oct. 27.
Clark, Samuel, Newark, N. J., assignor to Gorham Manufacturing Company, Providence, R. I. Vanity case. 1,558,964; Oct. 27.
Clarke, Thomas W., Seattle, Wash. Valve-grinding machine. 1,559,408; Oct. 27.
Clegg, William H., Montreal, Quebec, Canada, assignor to Universal Draft Gear Attachment Company. Brake mechanism for railway cars. 1,558,840; Oct. 27.
Clegg, William H., Montreal, Canada, assignor to American Steel Foundries, Chicago, Ill. Truck brake. 1,559,503; Oct. 27.
Cleveland Crane & Engineering Company, The. (See Bennington, Earl T., assignor.)
Cleveland Trust Company, The. (See Smith, Robert C., assignor.)
Clevenger, Galen H., Boston, Mass., assignor to Research Corporation, New York, N. Y. Apparatus for treating ores or the like. 1,558,965; Oct. 27.
Coble, Elmer E., assignor of one-fourth to W. L. Provol, Chicago, Ill. Shirt. 1,558,793; Oct. 27.
Coburn, Edward B. (See Robbins, C. S., and Coburn.)
Cochran, John W., Millinocket, Me. Combined holder and tool. 1,559,313; Oct. 27.
Coffin, Joseph G. (See Bradley, C. E., and Coffin.)
Coffin, Joseph G., Hempstead, N. Y., assignor to General Rubber Company. Sprayer. 1,558,593; Oct. 27.
Coffin, Joseph G., Hempstead, N. Y., assignor to L. Candee & Company, New Haven, Conn. Testing machine. 1,558,594; Oct. 27.
Colclough, William, Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Ironing machine. 1,559,075; Oct. 27.
Cole, Horace L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer windings. 1,558,841; Oct. 27.
Cole, Luther F., Sparks, Nev. Reversible badge. 1,558,842; Oct. 27.
Collins, Edgar F., Schenectady, N. Y., assignor to General Electric Company. Oven. 1,559,076; Oct. 27.
Colloidal Equipment Corporation. (See Povey, H., and Hallas, assignors.)
Combustion Engineering Corporation. (See Bell, J. E., and Kreisinger, assignors.)
Combustion Engineering Corporation. (See Jackson, George P., assignor.)
Commonwealth Steel Company. (See Wight, Stanley G., assignor.)
Compagnie des Forges & Acieries de la Marine et d'Homecourt. (See Rimailho, Emile, assignor.)
Computing-Tabulating-Recording Company, The. (See Craig, Robert, assignor.)
Concrete Tile Machinery Company. (See Lidseen, Gustave, assignor.)
Condit Electrical Manufacturing Company. (See Burnham, George A., assignor.)
Cone, Burtis O., assignor to Crawford Manufacturing Co., Inc., Richmond, Va. Radiator screen for automobiles. 1,558,533; Oct. 27.
Conill, Fernan O., and M. de Lézinier, Marseille, France. Domestic refrigerating apparatus. 1,559,223; Oct. 27.
Conn, C. G., Ltd. (See Gulick, Edward J., assignor.)
Connecticut Telephone & Electric Company, The. (See Cadieux, Joseph O., assignor.)
Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
Continental Motors Corporation. (See Evelyn, Steven F., assignor.)
Cook, Frederick H., Tippecanoe, Ohio. Bottle holder. 1,558,963; Oct. 27.
Cook, Gustave, Gillett, Wis. Operating mechanism for dirigible headlights. 1,559,314; Oct. 27.
Cooper Hewitt Electric Company. (See Buttolph, Leroy J., assignor.)
Cornell, Fred W. (See Carter, Louis E., assignor.)
Courtier, Jules, Paris, France. Restorer of normal ignition for dual ignition apparatus of internal-combustion engines. 1,559,161; Oct. 27.
Cox, Edwin M., Evart, Mich. Snowplow. 1,558,464; Oct. 27.
Coy, Herbert C., Chicago, Ill. Mail box. 1,559,031; Oct. 27.
Craig Damper Regulator Company. (See Howse, Curtis L., assignor.)
Craig, Robert, Endicott, assignor to The Computing-Tabulating-Recording Company, New York, N. Y. Weight-indicating and price-computing scale. 1,558,843; Oct. 27.
Crawford Manufacturing Co. (See Cone, Burtis O., assignor.)
Cronin, John J., Dallas, Tex. Oil dropper. 1,558,844; Oct. 27.
Crowell, Russell B., Agnew, and G. F. Breckenridge, San Jose, assignors to Western Industries Company, Agnew, Calif. Producing alkali-metal xanthates. 1,559,504; Oct. 27.
Cunniff, Edward A., Waltham, assignor to Draper Corporation, Hopedale, Mass. Thread tension for automatically-threading loom shuttles. 1,559,224; Oct. 27.
Currie, James G., assignor to Sibson & Stern, Inc., Philadelphia, Pa. Ornamental fabric edging. 1,559,505; Oct. 27.
Curry, John P., Riverside, Conn. Container and device for opening same. 1,559,032; Oct. 27.
Cutler, Wallace M., Windsor Locks, Conn. Chuck. 1,559,033; Oct. 27.
Dahl, Herbert H., Kansas City, Mo. Lawn mower. 1,558,465; Oct. 27.
Dalén, Gustaf, Skarsatra, Stockholm, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Stove for boiling purposes. 1,559,162; Oct. 27.
Darier, Georges. (See Breslauer, J., and Darier.)
Darr, Earl A., et al., executors. (See Kraft, Henry P.)
Dauplaise, Noah L., South Manchester, Conn. Power-stopping device. 1,558,595; Oct. 27.
Davidson, John, jr., Montclair, N. J., assignor to American Telephone and Telegraph Company. Telephone circuits. 1,558,534; Oct. 27.
Davies, Howard, Philadelphia, Pa. Electrical fuse. 1,559,225; Oct. 27.
Davies, Howard, Philadelphia, Pa. Electrical fuse. 1,559,226; Oct. 27.
Davis, Joshua W., Sumter, S. C. Circuit-closer mounting. 1,559,409; Oct. 27.
Davis, Richard, West Scranton, and E. Gehling, Scranton, Pa. Railway-crossing gate. 1,559,034; Oct. 27.
Day, Thomas E., assignor to Golden State Milk Products Company, San Francisco, Calif. Cheese-turning machine. 1,558,794; Oct. 27.
Daysh, Norman J., assignor to The De Laval Separator Company, New York, N. Y. Milking machine. 1,559,315; Oct. 27.
De Bersaques, Romain, Seattle, Wash. Eye-operating mechanism for dolls. 1,559,410; Oct. 27.
De Cew, Judson A., Mount Vernon, assignor to Process Engineers Inc., New York, N. Y. Sizing cellulose fibers. 1,558,845; Oct. 27.
De Cew, Judson A., assignor to Process Engineers, Inc., New York, N. Y. Paper-sizing process. 1,558,846; Oct. 27.
De Fontaine, Wade H., assignor, by mesne assignments, to Gauntlett & Company, Inc., New York, N. Y. Centrifugal reamer for oil wells and the like. 1,558,596; Oct. 27.
Delano, Atwood C., et al. (See Blanchette, Elie, assignor.)





De La Riboisiere, Jean F. P., Washington, D. C. Fuel. 1,558,967; Oct. 27.
Delany, Patrick B., South Orange, N. J., assignor, by mesne assignments, to International Telepost Company, Inc. Secret wireless. 1,558,535; Oct. 27.
Delany, Patrick B., South Orange, N. J., assignor, by mesne assignments, to International Telephone Company, Inc. Electrochemical recorder. 1,558,536; Oct. 27.
De la Potterie, Frank L., Brooklyn, N. Y. Lamp-socket fixture. 1,559,227; Oct. 27.
De Lattre, Jean G., and H. Hardy, Paris, France, assignors to B. E. Pollak, New York, N. Y. Drawing or rolling process. 1,559,077; Oct. 27.
De Laval Separator Company, The. (See Daysh, Norman J., assignor.)
Delco-Light Company. (See Keilholtz, Lester S., assignor.)
De Lézinier, Michel. (See Conill, F. O., and de Lézinier.)
Del'Marmol, Charles J., Philadelphia, Pa. Reproducer mounting. 1,558,847; Oct. 27.
Derrick, John K. (See Shenly, G. B., and Derrick.)
Devereaux, William C., Detroit, Mich. Door lock. 1,559,228; Oct. 27.
Dick, A. B., Company. (See Brasseur, Ernest J., assignor.)
Diernhofer, Hermann, Zittau, Saxony, Germany. Method of and apparatus for the manufacture of diapositives for the projection of light pictures in natural colors. 1,559,316; Oct. 27.
Dirckx, Joseph. (See Jasper, Peter C., assignor.)
Doble Laboratories. (See Doble, William A., jr., assignor.)
Doble Steam Motors Corporation. (See Wilson, Roy A., assignor.)
Doble, William A., jr., assignor to Doble Laboratories, San Francisco, Calif. Heater. 1,558,848; Oct. 27.
Dodman, Alfred C., jr., Summit, N. J. Wall paper. Des. 68,565; Oct. 27.
Dodman, Alfred C., jr., Summit, N. J. Wall paper. Des. 68,566; Oct. 27.
Dodman, Alfred C., jr., Summit, N. J. Wall paper. Des. 68,567; Oct. 27.
Doeg, Ralph W. (See Entwistle, E. J., and Doeg.)
Doherty Research Company. (See Reed, Charles S., assignor.)
Donahue, Joseph F., South Bend, Ind. Shingle roofing. 1,558,795; Oct. 27.
Donner, Philip C., Summit, N. J. Pelt or skin dehairing machine. 1,558,466; Oct. 27.
Doppke, Bert P., Detroit, Mich. Laboratory container cover. 1,559,229; Oct. 27.
Doran, James C., & Sons. (See Veillette, Alfred, assignor.)
Douglas, Archibald. (See Prince, G. W., and Douglas.)
Drake, Charles L., West Los Angeles, Calif. Mechanical figure toy. 1,558,537; Oct. 27.
Draper Corporation. (See Cunniff, Edward A., assignor.)
Draper Corporation. (See Lecomte, A., and L'Archeveque, assignors.)
Draper Corporation. (See Martin, Henry D., assignor.)
Draper-Maynard Company, The. (See Maynard, John E., assignor.)
Dunn, Irwin L., Mariette, Ohio, assignor to Tidal-Dunn Company, Tulsa, Okla. Apparatus for and method of renewing oil wells. 1,558,796; Oct. 27.
Durbin, Samuel B., Tulsa, Okla. Deep-well fishing tool. 1,558,968; Oct. 27.
Dunston, Wayne E., Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,558,797; Oct. 27.
Du Pont, E. I., de Nemours & Company. (See Calcott, William S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Nevius, George H., assignor.)
Eato, Ulyssis A. (See Burdick, Ephraim, assignor.)
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible locomotive drive. 1,558,849; Oct. 27.
Eaton, William G., Hull, Mass. Rubber heel. 1,558,850; Oct. 27.
Entwistle, Edward J., Lowell, Mass., and R. W. Doeg, Exeter, N. H. Yardage stop motion for warpers. 1,558,969; Oct. 27.
Eccles, William, Choritoncum-Hardy, England, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company. Aligning meter for land and marine gears and shafts. 1,559,230; Oct. 27.
Eckard, Obed F., Hickory, N. C. Oil can. 1,558,597; Oct. 27.
Eckersall, Alphonso B., Chicago, Ill. Apparatus and method for casting electrotypes. 1,559,231; Oct. 27.
Eclipse Machine Company. (See McGrath, William L., assignor.)
Edna Brass Manufacturing Company, The. (See Snyder, W. Earl, assignor.)
Edwards, Labrot, S., and R. O. Case, Portland, Oreg. Teeter car. 1,558,851; Oct. 27.
Eggleston Drilling Corporation. (See Smith, Eggleston, assignor.)
Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Process and apparatus for dehydrating emulsified oils. 1,559,035; Oct. 27.
Egloff, Gustav, and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Process and apparatus for dehydration of oil. 1,559,036; Oct. 27.
Ehrhart, Gustav. (See Bockmühl, M., Ehrhart, and Fritzsche.)
Eijsen, Alphonse F., Heerlen, Netherlands. Metallization of porcelain or glass. 1,558,853; Oct. 27.
Electric Boat Company. (See Grieshaber, Hugo E., assignor.)
Electric Vacuum Cleaner Company. (See Brintzenhofe, Otto, assignor.)
Ellis Adding-Typewriter Company. (See Bernau, Frederick W., assignor.)
Ellis, Carleton, Montclair, N. J., assignor to Ellis Foster Company. Oxidation of ammonia. 1,558,598; Oct. 27.
Ellis Foster Company. (See Ellis, Carleton, assignor.)
Enterprise Manufacturing Company, The. (See Adams, Walter L., assignor.)
Ernst, Milton, L., Inc. (See Foster, Mortimer C., assignor.)
Eschholz, Otto H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc-extinguishing device. 1,558,852; Oct. 27.
Esper, John J., Dearborn, Mich. Spinning top. 1,559,232; Oct. 27.
Espinosa, Fernando M., Suchitoto, Salvador. Double spark-ignition system. 1,559,411; Oct. 27.
Esselen, Gustavus J., jr., Swampscott, assignor to Badger Fire Extinguisher Company, Boston, Mass. Foam-stabilizing composition. 1,558,599; Oct. 27.
Essex Rubber Company. (See Oakley, Laurence M., assignor.)
Etablissements Mallcet & Blin. (See Guillery, René, assignor.)
Euster, Abe M., Pineville, Ky. Stocking supporter. 1,559,233; Oct. 27.
Evans, Lynn, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Constructing sheathed filler members. 1,559,538; Oct. 27.
Evans, S. W., & Son. (See Lutz, John, assignor.)
Evans, S. W., & Son. (See Lutz, J., and Evans, assignors.)
Evans, Wayne S. (See Lutz, J., and Evans.)
Evelyn, Steven F., assignor to Continental Motors Corporation, Detroit, Mich. Pump housing and operating mechanism. 1,558,798; Oct. 27.
Everly, Edgar B., Pacific Grove, Calif. Caster. 1,559,078; Oct. 27.
Exline, Marcus P., Dallas, Tex. Identification device for toothbrushes. 1,558,970; Oct. 27.
F. & N. Lawn Mower Company of Delaware, The. (See Lontz, Harry R., assignor.)
Fabrique de Soie Artificielle de Tubize, Societe Anonyme. (See Pignal, Georges, assignor.)
Fairbairn, Thomas M., Tlahuallio, Durango, Mexico, A. S. Valdespino, and R. McCart, jr., El Paso, Tex. Putting green and similar playing surface. 1,559,520; Oct. 27.
Fairbanks, E. and T., and Company. (See Howard, Alfred C., assignor.)
Falletta, Hector, Los Angeles, Calif. Ellipsograph. 1,559,079; Oct. 27.
Farbwerke vorm. Meister Lucius & Brüning. (See Bockmühl, M., Ehrhart, and Fritzsche, assignors.)
Faries, Walter R., administrator. (See Muchmore, Frederick W.)
Falconer, Neil, San Francisco, Calif. Brake-adjusting tool. 1,558,854; Oct. 27.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car-control equipment. 1,558,600; Oct. 27.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Hose coupling. 1,558,601; Oct. 27.
Farnham, Sidney W., assignor to Goodman Manufacturing Company, Chicago, Ill. Locomotive. 1,558,971; Oct. 27.
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Ferruse, Lewis, Las Vegas, Nev. Portable forge. 1,559,521; Oct. 27.
Fick, Adolph and R., Boone, Iowa. Crossing-gate apparatus. 1,558,538; Oct. 27.
Fick, Rudolph. (See Fick, Adolph and R.)
Fiedler, Louis, assignor to Benjamin Gross Company, Inc., New York, N. Y. Finger ring or article of similar nature. Des. 68,568; Oct. 27.
Field, Joseph C., Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus rack. 1,558,855; Oct. 27.
Fields, Henry, Buhl, Idaho. Rotary buffer. 1,559,080; Oct. 27.
Fifer, Clarence A., Baltimore, Md. Oil burner. 1,558,972; Oct. 27.
Fischer, Albert C., Chicago, Ill. Asphalt expansion joint. 1,558,799; Oct. 27.
Fischer, Jacob. (See Simonovits, B., and Fischer.)
Fischer, John J., assignor of forty-nine one-hundredths to N. Whisler, Arcadia, Ind. Adjustable combination window-shade and curtain-pole holder. 1,559,081; Oct. 27.
Fischer, Philip A., New York, N. Y. Drinking cup. 1,558,602; Oct. 27.
Fisher, Patrick H. (See Katzenmoyer, Harry E., assignor.)

Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)
Fitzgerald Manufacturing Company, The. (See Smith, Alva T., assignor.)
Flannery, John L., assignor to The Boge Needle Co., Chicago, Ill. Cabinet. Des. 68,569; Oct. 27.
Fleiter, Andrew J., Akron, Ohio. Collapsible core. 1,558,603; Oct. 27.
Fleming, Robert G., Bloomfield, N. J., assignor to Smokador Manufacturing Co., Inc., New York, N. Y. Smoker's stand. 1,559,234; Oct. 27.
Fletcher, Henry M. (See Barnard, John H., assignor.)
Flintkote Company, The. (See Johnston, Robert T., assignor.)
Flintkote Company. (See Kirschbraun, Lester, assignor.)
Flintkote Company, The. (See Overbury, Frederick C., assignor.)
Flora, Charles L., Sylvania, Ohio. Steering device. 1,558,856; Oct. 27.
Floyd, John E., assignor of one-half to W. S. Wemple, Chicago, Ill. Lock. 1,559,037; Oct. 27.
Floyd, Walter B., assignor to The Bonney-Floyd Company, Columbus, Ohio. Self-lubricating axle. 1,558,857; Oct. 27.
Folk, John, New York, N. Y. Printing on textiles, fabrics, and the like. 1,559,235; Oct. 27.
Ford, William W., Philadelphia, Pa. Tank-rafter bracket. 1,558,973; Oct. 27.
Forney, John A., Reading, Pa. Switch for vehicle signal systems. 1,559,038; Oct. 27.
Forse, William H., jr., Anderson, Ind. Reversible bracket and shield for double-shade roll. 1,558,858; Oct. 27.
Forsyth, George H., Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich. Disk wheel. 1,558,467; Oct. 27.
Forsyth, George H., Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich. Disk wheel. 1,558,468; Oct. 27.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrolytic condenser. 1,558,859; Oct. 27.
Foster, Edward F., Milwaukee, Wis. Labeling machine. 1,558,800; Oct. 27.
Foster, Mortimer C., assignor to M. L. Ernst, Inc., New York, N. Y. Finger ring. Des. 68,570; Oct. 27.
Foulds, Robinson P. (See Barrett, F. L., and Foulds.)
Fox, Charles A., New York, N. Y. Collapsible box. 1,559,236; Oct. 27.
Fox, Charles A., New York, N. Y. Collapsible box. 1,559,237; Oct. 27.
Fox, Charles A., New York, N. Y. Collapsible box. 1,559,238; Oct. 27.
Fox, Charles A., New York, N. Y. Collapsible box. 1,559,239; Oct. 27.
Fox, Charles A., New York, N. Y. Collapsible box. 1,559,240; Oct. 27.
Fox, Charles A., New York, N. Y. Collapsible box. 1,559,241; Oct. 27.
Fox, Charles A., New York, N. Y. Collapsible box. 1,559,242; Oct. 27.
Franzen, Eric T., Maplewood, N. J. Thermostatic needle control for carburetors. 1,559,039; Oct. 27.
Franzen, Julius R., San Francisco, assignor to E. Wilson, Palo Alto, Calif. Producing chocolate-coated confections. 1,559,412; Oct. 27.
Fraser, Gordon, N., and J., Arboath, Scotland. Driving mechanism for spinning and like spindles. 1,559,413; Oct. 27.
Fraser, John. (See Fraser, Gordon, N., and J.)
Fraser, Norman. (See Fraser, Gordon, N., and J.)
Freegard, William, St. Louis, Mo., assignor to The Barber Asphalt Company, Philadelphia, Pa. Roof covering. 1,559,506; Oct. 27.
Freeland, Ben H., Peru, Ind. Tire carrier. 1,559,414; Oct. 27.
Freeman, Abe J., assignor to The Seng Company, Chicago, Ill. Convertible seat structure. 1,559,243; Oct. 27.
Freeman, David, Chicago, Ill. Pool-ball rack. 1,558,539; Oct. 27.
Freeman, David, Chicago, Ill. Pool-ball rack. 1,558,540; Oct. 27.
Freeman, Nat H., Holborn, London, England. Carbonizing or distillation apparatus. 1,558,974; Oct. 27.
Freeman-Danghaday Company. (See Wetherell, Leslie O., assignor.)
French, Chauncey D. (See Brown, L. D., French, and Mahood.)
Frey, Charles, Chicago, Ill. Interlocking reenforced concrete construction. 1,558,801; Oct. 27.
Friederici, August, Dusseldorf, Germany, assignor to M. Friederici, Steubenville, Ohio. Billet and bar shears. 1,559,082; Oct. 27.
Friederici, August, Dusseldorf, Germany, assignor to M. Friederici, Steubenville, Ohio. Ingot and bar shears. 1,559,083; Oct. 27.
Friederici, Max. (See Friederici, August, assignor.)
Frink, I. P., Inc. (See Spencer, William H., assignor.)
Fritzsche, Paul. (See Bockmühl, M., Ehrhart, and Fritzsche.)
Frost, Harold. (See Ragan, Sidney A., assignor.)
Frostad, George O. (See Annen, J. E., and Frostad.)
Frunk, Otto E., Stockholm, Sweden. Link saw. 1,559,522; Oct. 27.
Fuchs & Lang Manufacturing Company. (See Lipton, M., Haenlein, and Hill, assignors.)
Fuller, Truman S., Schenectady, N. Y., assignor to General Electric Company. Welding. 1,559,415; Oct. 27.
Gallagher, Paul C., assignor to Paxton and Gallagher Company, Omaha, Nebr. Bottle. Des. 68,571; Oct. 27.
Galwey, Edward K., assignor of one-half to F. W. Caillat, San Jose, Calif. Aeroplane. 1,558,975; Oct. 27.
Gantvoort, John M., Beacon, N. Y. Baker's oven. 1,559,416; Oct. 27.
Garabrant, George E., Irvington, and E. E. Beck, Roselle, N. J.; said Garabrant assignor to said Beck. Caramel cooker. 1,558,976; Oct. 27.
Gaillard, Tacitus W., Brooklyn, N. Y. Tool. 1,559,084; Oct. 27.
Gair, Robert, Company. (See Cavanagh, William F., assignor.)
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pneumatic tool. 1,558,802; Oct. 27.
Gauntlett & Company. (See de Fontaine, Wade H., assignor.)
Gebruder Sulzer Aktiengesellschaft. (See Kägi, Emil, assignor.)
Geene, Matthew P. (See Tunis, H. B., and Geene.)
Gehling, Earl. (See Davis, R., and Gehling.)
Gemza, John, Brownville, Me., and C. Balazy, Donora, Pa. Combination lock. 1,558,803; Oct. 27.
General Electric Company. (See Bullock, Charles F., assignor.)
General Electric Company. (See Butcher, J. H., and Young, assignors.)
General Electric Company. (See Collins, Edgar F., assignor.)
General Electric Company. (See Fuller, Truman S., assignor.)
General Electric Company. (See Gokhale, Shankar L., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)
General Electric Company. (See Hewlett, E. M., and Willard, assignors.)
General Electric Company. (See Hull, John I., assignor.)
General Electric Company. (See Jensen, Jens M., assignor.)
General Electric Company. (See Leddick, George, assignor.)
General Electric Company. (See Müller, Paul, assignor.)
General Electric Company. (See Murphy, E. J., and Hutt, assignors.)
General Electric Company. (See Rice, Chester W., assignor.)
General Electric Company. (See Thomson, Elihu, assignor.)
General Electric Company. (See Trencham, Henry, assignor.)
General Rubber Company. (See Coffin, Joseph G., assignor.)
General Rubber Company. (See Bradley, C. E., and Coffin, assignors.)
Gentzel, Perry H., Newton, Mass. Steam-cylinder relief for engines. 1,559,417; Oct. 27.
George, W. S., Pottery Company, The. (See Ward, Albert C., assignor.)
Gernsback, Hugo, New York, N. Y. Coil mounting. 1,558,604; Oct. 27.
Gerow, George C., assignor of eight-twentieths to W. J. Press, one-twentieth to W. C. Arnold, one-twentieth to J. L. Kemp, and two-twentieths to E. Press, Ottawa, Ontario, Canada. Oil burner. 1,559,163; Oct. 27.
Gerrard, Alec J. (See Anderson, Oscar W., assignor.)
Gerrard, Alec J., and L. F. Hintz, Chicago, Ill.; said Hintz assignor to said Gerrard. Belt-slitting machine. 1,558,860; Oct. 27.
Gerrard, Alec J., Chicago, and L. F. Hintz, Highland Park, Ill.; said Hintz assignor to said Gerrard. Belt squaring and punching machine. 1,558,861; Oct. 27.
Gervais, Wainwright B., assignor to Variety Fire Door Company, Chicago, Ill. Controlling device for closure-operating mechanisms and the like. 1,558,469; Oct. 27.
Gherassimoff, Nicolas, Le Vesinet, France. Progressive change-speed gear. 1,559,073; Oct. 27.
Gibson, C. A., et al. (See Stovall, Smith L., assignor.)
Gibson, Earl S., Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Controlling mechanism. 1,558,862; Oct. 27.
Gibson, Earl S., Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,559,244; Oct. 27.
Gibson, J. F., jr., et al. (See Stovall, Smith L., assignor.)
Gibson, Porter D., Sioux City, Iowa. Fish lure. 1,558,470; Oct. 27.
Gilbert, James E., Milwaukee, Wis. Grinding machine. 1,559,245; Oct. 27.
Gilchrist, John E., deceased, by C. A. Werley, executor, South Bend, Wash. Jack. 1,559,418; Oct. 27.
Gillis, Julius H., Elizabeth, N. J., assignor, by mesne assignments, to Anaconda Sales Company. Continuous process for the manufacture of roofing elements. 1,559,040; Oct. 27.
Gillis, Julius H., Elizabeth, N. J., assignor, by mesne assignments, to Anaconda Sales Company. Method and apparatus for continuously coating roofing elements electrolytically. 1,559,041; Oct. 27.





Gillis & Geoghegan, Inc. (See Hooker, Edward D., assignor.)
Gillis & Geoghegan, Inc. (See Rutan, William M., assignor.)
Gilson, Albert F. F., Oradel, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling apparatus. 1,559,246; Oct. 27.
Giordani, Francesco. (See Pomillo, U., and Giordani.)
Gleason, Frederick H., New York, N. Y. Lubricating drag-link connections of the steering gear of vehicles. 1,558,863; Oct. 27.
Gleason, Marshall W., assignor to Gleason-Tiebout Glass Company, Brooklyn, N. Y. Glass lighting globe. Des. 68,572; Oct. 27.
Gleason, Marshall W., assignor to Gleason-Tiebout Glass Company, Brooklyn, N. Y. Glass lighting globe. Des. 68,573; Oct. 27.
Gleason-Tiebout Glass Company. (See Gleason, Marshall W., assignor.)
Goertz, August, & Co. (See Goertz, Frederick, assignor.)
Goertz, August, & Company. (See Morrison, Simon, assignor.)
Goertz, Frederick, Newark, N. J., assignor to August Goertz & Co. Vanity box. 1,558,471; Oct. 27.
Gokhale, Shankar L., Schenectady, N. Y., assignor to General Electric Company. Permeameter. 1,559,085; Oct. 27.
Gold Car Heating & Lighting Company. (See Gold, Edward E., assignor.)
Gold, Edward E., New York, assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y. Heating system. 1,559,042; Oct. 27.
Goldberg, Solomon H., Chicago, Ill. Resilient support for packing fragile articles. 1,559,043; Oct. 27.
Golden, Daniel J., Brockton, Mass. Athletic shoe. 1,559,086; Oct. 27.
Golden State Milk Products Company. (See Day, Thomas E., assignor.)
Golding Bros. Company. (See Korzinek, William C., assignor.)
Golf Ball Corporation of America, The. (See Mitsel, Harvey F., assignor.)
Golomb, Morris, New York, N. Y. Exercising apparatus. 1,559,419; Oct. 27.
Golon, Julius, Suffield, Conn. Tobacco-leaf conveyer. 1,558,472; Oct. 27.
Goodman Manufacturing Company. (See Farnham, Sidney W., assignor.)
Goodman Manufacturing Company. (See Housman, John S., assignor.)
Goodman Manufacturing Company. (See Packer, Glenn W., assignor.)
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodman Manufacturing Company. (See Wood, Robert J., assignor.)
Gordon, Hayner, H., Washington, D. C. Variocoupler for radio telegraphy and telephony. 1,558,473; Oct. 27.
Gordon, Isaac, New York, N. Y. Gas water heater. 1,559,420; Oct. 27.
Gordon, Joseph R., Baldwin, assignor to American Numbering Machine Company, Brooklyn, N. Y. Die-pressing apparatus. 1,558,474; Oct. 27.
Gorham Manufacturing Company. (See Clark, Samuel, assignor.)
Gorny, Kazimierz, Buffalo, N. Y. Grain-car door. 1,559,087; Oct. 27.
Goss, Harold J., Nashua, N. H., assignor, by mesne assignments, to The Lake Erie Trust Company, Cleveland, Ohio. Machine for making boxes. Re16,193; Oct. 27.
Gould Coupler Company, The. (See Blake, Eli J., assignor.)
Goyette, Jean T., Cambridge, Mass. Emergency wheel. 1,558,864; Oct. 27.
Graton, Claude D., Newark, N. J. Calendar. 1,559,247; Oct. 27.
Graves, Walter L., Hatfield, Mass. Auxiliary-air-supply device. 1,558,605; Oct. 27.
Graves, Walter S. (See Steiner, F. M., and Graves.)
Gray, Alexander M., Charleroi, Pa. Combined shelf and bracket. 1,558,977; Oct. 27.
Gray, Walter H., London, England. Water-waste preventer. 1,558,475; Oct. 27.
Grayson, John H., assignor to The J. H. Grayson Manufacturing Company, Athens, Ohio. Radiant for gas heaters. Des. 68,574; Oct. 27.
Grayson, J. H., Manufacturing Company, The. (See Grayson, John H., assignor.)
Greenewald, Eugene L., Washington, D. C. Method of and apparatus for making reenforced products. 1,558,804; Oct. 27.
Greenman, Morris, New York, N. Y. Combination brake and nonskid device for vehicles. 1,558,865; Oct. 27.
Greenstein, Morris W., New York, N. Y. Decorative fabric. 1,558,866; Oct. 27.
Greenwood, Dolphice H., Pasadena, Calif. Plunger. 1,558,867; Oct. 27.
Greet, William H., Starkville, Colo. Battery-testing appliance. 1,559,421; Oct. 27.
Gregg, Fred E., et al. (See Blanchette, Elie, assignor.)
Griesbaber, Hugo E., Groton, Conn., assignor to Electric Boat Company. Mine-discharging device. 1,558,868; Oct. 27.
Grimes, Clinton, A., Crum Lynne, Pa. Bearing. 1,558,978; Oct. 27.
Gronberg, Victor. (See Watson, S. L., Beckstrom, and Gronberg.)
Gross, Benjamin, Company. (See Fiedler, Louis, assignor.)
Gruenhagen, William H., St. Paul, Minn. Combination hook for live bait. 1,558,476; Oct. 27.
Guelcher, Frank, Brooklyn, N. Y. Ignition system. 1,559,248; Oct. 27.
Guillery, René, Paris, assignor to Etablissements Mallcet & Blin, Oubervilliers, France. Cock. 1,558,979; Oct. 27.
Guinn, John W. (See Steele, Lawrence H., assignor.)
Gulbransen, Axel G., River Forest, and A. H. Boettcher, Evanston, assignors to Gulbransen Company, Chicago, Ill. Player piano. 1,558,606; Oct. 27.
Gulbransen Company. (See Gulbransen A. G., and Boettcher, assignors.)
Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Knob-positioning machine for musical instruments. 1,559,164; Oct. 27.
Gulling, Charles A., and E. W. Cheney, Reno, Nev. Check protector. 1,558,869; Oct. 27.
Gunnerson, Walter E., assignor to Burdick Cabinet Company, Milton, Wis. Adapter. 1,559,088; Oct. 27.
Gustafson, Edward L., Holdrege, Nebr. Rack for pool balls. 1,558,670; Oct. 27.
Gustin-Bacon Manufacturing Company. (See Rogers, Lee H., assignor.)
Guy-Pell, William, London, England. Retort apparatus for the treatment of materials such as shale, coal, and the like. 1,558,671; Oct. 27.
Haag, Gustavus. (See Leipert, A. H., and Haag.)
Haenlein, Louis. (See Lipton, M., Haenlein, and Hill.)
Hagan, John, New York, N. Y., and J. E. Hagan, Akron, Ohio. Ruling device. 1,559,089; Oct. 27.
Hagan, Joseph E. (See Hagan, John, and J. E.)
Halinka, George, Detroit, Mich. Door latch. 1,558,980; Oct. 27.
Hall, Francis M., administrator. (See Hall, William M.)
Hall, Frederick H., Holford, near Bridgwater, England. Window. 1,558,477; Oct. 27.
Hall, Randolph F., Ithaca, N. Y., assignor of one-third to T. P. Hall, Wallingford, Conn., and of one-sixth to P. Wilson, Ithaca, N. Y. Airplane. 1,559,090; Oct. 27.
Hall, Randolph F., Ithaca, N. Y., assignor of one-fourth to T. P. Hall, Wallingford, Conn., and of one-fourth to P. Wilson, Ithaca, N. Y. Airplane. 1,559,091; Oct. 27.
Hall, Theodore P., et al. (See Hall, Randolph F., assignor.)
Hall, Thomas C., Anamosa, Iowa. Cuspidor. 1,558,981; Oct. 27.
Hall, Wendell W., Chicago, Ill. Rear signal light for motor vehicles. 1,559,249; Oct. 27.
Hall, William M., deceased, New York, N. Y.; F. M. Hall, administrator. Sanitary can and seal. 1,559,096; Oct. 27.
Hallas, Haldane O. (See Povey, H., and Hallas.)
Hallberg, Claus W., Marion, Ind. Adjustable lamp support. 1,559,092; Oct. 27.
Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Light-transmitting glass. Des. 68,575; Oct. 27.
Hamano, Shigezo, Kure City, and T. Hamano, Higashi-Katsushika, Japan. Necktie holder. 1,558,870; Oct. 27.
Hamano, Taro. (See Hamano, Shigezo and T.)
Hammond, Florence I., Chicago, Ill. Article of jewelry. 1,559,165; Oct. 27.
Hampton, Leon N., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical plug switch. 1,559,250; Oct. 27.
Handley, George F. (See Hess, E. B., Myers, and Handley.)
Handy, George H. (See Stukenborg, L. C., and Handy.)
Hane, David, Pittsburgh, Pa. Safety cover for electric switches. 1,558,982; Oct. 27.
Hanley, Frank J., New York, N. Y. Toy. 1,559,422; Oct. 27.
Hansen, Marius H., Chicago, Ill. Scale pan. 1,559,093; Oct. 27.
Hardy, Henry. (See de Lattre, J. G., and Hardy.)
Harper, Robert W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Private-branch-exchange sender circuit. 1,559,251; Oct. 27.
Harris, George H., assignor to Utica Valve & Fixture Company, Utica, N. Y. Valve. 1,559,044; Oct. 27.
Harris, John A., Los Angeles, Calif. Garage double-door operator and fastener. 1,559,317; Oct. 27.
Hart, Russell, Los Angeles, Calif. Telephotographic sending apparatus. 1,558,672; Oct. 27.
Hart, Russell, Los Angeles, Calif. Means for reproducing sound from graphical records. 1,558,673; Oct. 27.
Hartford-Empire Company. (See Chalmers, Harry B., assignor.)
Hartman, Thomas J., Chicago, Ill. Football helmet. 1,559,252; Oct. 27.
Hartzler, William H., Pleasant Hill, Mo. Lock. 1,559,423; Oct. 27.
Harkell, Parker B., assignor of one-third to W. B. Pohle, Lynn, and one-third to S. V. Russell, Chelsea, Mass. Crank casing for internal-combustion engines. 1,558,674; Oct. 27.

Hastreiter, Joseph, Morgantown, W. Va. Process and machine for fire-polishing glass. 1,559,094; Oct. 27.
Hatashita, Sezo. (See Winsor, J. G., and Hatashita.)
Hawkins, William W., Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis. Ignition system. 1,558,478; Oct. 27.
Hay, Joseph A., Gary, Ind. Toy. 1,559,424; Oct. 27.
Hayward, William M., Natick, Mass. Fuel saver. 1,559,318; Oct. 27.
Hazeltine, Robert H., New York, N. Y. Liquid-feed device. 1,558,607; Oct. 27.
Hearn, Walter A., Baltimore, Md. Antislipping device for ladders. 1,558,479; Oct. 27.
Heenan, John N. D., Old Colwyn, England, assignor to Power Specialty Company, New York, N. Y. Conveying heat energy. 1,558,871; Oct. 27.
Hehn, Esther T., Sioux City, Iowa. Barber's chair. 1,559,425; Oct. 27.
Heine Boiler Company. (See Pahmeyer, Frederick O., assignor.)
Heitzman, Robert J., Union Hill, N. J. Variable transformer. 1,559,166; Oct. 27.
Hekrdle, Frank J., Davidson, Saskatchewan, Canada. Table. 1,559,426; Oct. 27.
Heller-Aller Company, The. (See Ritz, Frederick, assignor.)
Helwig, Eugene C., Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,558,872; Oct. 27.
Hemco Electric Manufacturing Company. (See McKinley, Benjamin P., assignor.)
Hemphill, Grover H., Dayton, Ohio. Combination headlight-dimming and spotlight-controlling means. 1,559,427; Oct. 27.
Henke, Carl E., Hutchinson, Minn. Milk strainer and cooler. 1,558,805; Oct. 27.
Heuningsen, William C., Hubbleton, Wis. Pin-tag fastening tool. 1,559,428; Oct. 27.
Henry, Ferdinand G., Philadelphia, Pa., assignor, by mesne assignments, to Walden Knife Company, Walden, N. Y. Machine for tempering razor blades. 1,559,095; Oct. 27.
Henry, Nathan, Chicago, Ill. Trousers. 1,559,253; Oct. 27.
Henry & Wright Manufacturing Company, The. (See Sherman, Cortis F., assignor.)
Herman, Joseph, New York, N. Y., assignor to American Telephone and Telegraph Company. Monitoring set for telegraph repeaters. 1,558,541; Oct. 27.
Hermann, Franz J., Singen-Hohentwiel, Baden, assignor to Firm of H. Lanz, Mannheim, Germany. Internal-combustion engine. 1,558,873; Oct. 27.
Herrod-Hempsall, William, Luton, England. Honey extractor. 1,559,319; Oct. 27.
Hess, Alma C., jr., Union, Oreg. Electromechanical power-transmission mechanism. 1,558,806; Oct. 27.
Hess, Edward B., New York, L. C. Myers, Freeport, and G. F. Handley, Glendale, assignors to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,559,167; Oct. 27.
Hevea Corporation, The. (See Loomis, C. C., and Stumn, assignors.)
Hewitt, Cooper, Electric Company. (See Winninghoff, Wilford J., assignor.)
Hewitt, Howard B., Philadelphia, Pa. Indicator for taximeters. 1,558,874; Oct. 27.
Hewlett, Edward M., and W. W. Willard, Schenectady, N. Y., assignors to General Electric Company. Means for accurately reproducing angular movements. 1,559,524; Oct. 27.
Hibbard, Lloyd J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,558,875; Oct. 27.
Hickman, Reginald J. (See Roddy, G. R., and Hickman.)
Hilbish, William L., Fort Wayne, Ind. Filter. 1,558,608; Oct. 27.
Hild, Frederic W., Los Angeles, Calif. Breaking system for electric earth-boring machines. 1,558,876; Oct. 27.
Hill, Albert H., Arkansas City, Kans. Pumping apparatus. 1,558,609; Oct. 27.
Hill, Claude, assignor of one-half to L. P. McDonald, Moberly, Mo. Combined tool shank and handle therefor. 1,559,097; Oct. 27.
Hill, Frederick W. (See Lipton, M., Haenlein, and Hill.)
Hill, Grover C., and J. H. Taylor, Owensboro, Ky. Grader. 1,559,168; Oct. 27.
Hiltz, George S., Brooklyn, assignor to Stock Quotation Telegraph Company, New York, N. Y. Printing mechanism for printing-telegraph receivers. 1,558,610; Oct. 27.
Hinchey, William D., New York, N. Y. Sectional boiler. 1,558,480; Oct. 27.
Hintz, Leroy F. (See Gerrard, A. J., and Hintz.)
Hipwell, Harry T., Pittsburgh, Pa. Attachment for telephone receivers. 1,558,877; Oct. 27.
Hiral, Umejiro, Honolulu, Hawaii. Sugar-cane-cutting machine. 1,559,429; Oct. 27.
Hirsch, Max. (See Horak, Frank, assignor.)
Hirschman, Edward W., Findlay, Ohio. Egg-shell crusher and pulverizer. 1,559,169; Oct. 27.
Hirsh, Albert A., New York, N. Y. Tooth cleaner. 1,559,320; Oct. 27.
Hitchcock, James E., Fullerton, Calif. Safety attachment for rotary hose. 1,558,878; Oct. 27.
Hoare, Frederick H., London, England. Linear measure or scale. 1,558,879; Oct. 27.
Hobbs, Charles L., Tulsa, Okla. Rim. 1,558,611; Oct. 27.
Hocker, Carl D., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Solvent and vehicle for resinous and gelatinized material. 1,558,880; Oct. 27.
Hockersmith, James B., Taylorville, Ill. Livestock fly-trap. 1,559,430; Oct. 27.
Hodgson, Harriette E., New York, N. Y. Railway gate. 1,559,321; Oct. 27.
Hogsett, Thomas W., Marlinton, W. Va. Bok-supporting device. 1,559,431; Oct. 27.
Hohn, Paul M. E., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Production of cigarette rods in the manufacture of machinemade cigarettes. 1,559,322; Oct. 27.
Hohorst, William F., U. S. Army. Stool. 1,558,612; Oct. 27.
Holland-Letz, John, and L. Holland-Letz, assignors to The Letz Manufacturing Company, Crown Point, Ind. Cutting and grinding apparatus. 1,558,613; Oct. 27.
Holland-Letz, Ludwig. (See Holland-Letz, John and L.)
Holland, Raymond W., Kent, Ohio. Skyrocket. 1,558,542; Oct. 27.
Holmes, E. & B., Machinery Co. (See Beugler, Edwin F., assignor.)
Holmes Electric Protective Company. (See Roe, William C., assignor.)
Holmes, Frank G., assignor to Lenox Incorporated, Trenton, N. J. Plate or similar article. Des. 68,576; Oct. 27.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling mechanism. 1,558,675; Oct. 27.
Holt, Walter H., Crafton, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Molding Flask. 1,558,543; Oct. 27.
Holzapfel, Albert C. and A. M., New York, N. Y. Rotary brush. 1,558,544; Oct. 27.
Holzapfel, Arthur M. (See Holzapfel Albert C. and A. M.)
Hood Rubber Company. (See Perrault, J. E., and Cate, assignors.)
Hooker, Edward D., assignor to Gillis & Geoghegan, Inc., New York, N. Y. Hoisting apparatus. 1,558,614; Oct. 27.
Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Lifting jack. 1,559,098; Oct. 27.
Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Lifting jack. 1,559,099; Oct. 27.
Hopkins Corporation. (See Hopkins, Marcus C., assignor.)
Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation. Loud-speaking telephone. 1,558,881; Oct. 27.
Horak, Frank, assignor of one-half to M. Hirsch, Valparaiso, Ind. Permutation lock. 1,558,615; Oct. 27.
Horn, Henry S., East Orange, N. J. Loose-leaf binder. 1,558,807; Oct. 27.
Horstkotte, Frederick W., Spokane, Wash. Lumber piler. 1,558,983; Oct. 27.
Horton, George W., Queens, assignor to J. W. Bunker, New York, N. Y. Game board or similar article. Des. 68,577; Oct. 27.
Hostad, Olaf, Sullivan, Mich. Feed receptacle for poultry. 1,559,432; Oct. 27.
Hottel, Louis W., Erie, Pa. Container. 1,559,100; Oct. 27.
Hough, Thomas, London, England. Sound-reproducing machine. 1,558,882; Oct. 27.
House, Charles B., Klamath Falls, Oreg. Cushion-spring shackle. 1,559,101; Oct. 27.
Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum tube. 1,558,883; Oct. 27.
Housman, John S., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose material. 1,558,984; Oct. 27.
Howard, Alfred C., Moline, Ill., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Weighbeam. 1,558,616; Oct. 27.
Howard, Frank H., assignor to Reading Chain and Block Corporation, Reading, Pa. Limit stop for electric hoists. 1,559,102; Oct. 27.
Howell, Earl T., Champaign, Ill. Emergency gasoline container. 1,558,985; Oct. 27.
Howse, Curtis L., Detroit, Mich., assignor to Craig Damper Regulator Company. Pressure-controlled means for motor regulation. 1,558,884; Oct. 27.
Hoyle, John, Winthrop, Iowa. Collapsible chicken coop or hog house. 1,558,545; Oct. 27.
Hudson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail distributor. 1,558,481; Oct. 27.
Hudson Motor Car Company. (See Baits, Stuart G., assignor.)
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Frequency changer. 1,559,103; Oct. 27.
Hull, Samuel P., Yonkers, N. Y. Lamp bracket. 1,558,808; Oct. 27.
Hulson Grate Company. (See Hulson, John W., assignor.)





Hulson, John W., Keokuk, Iowa, assignor to Hulson Grate Company. Grate shaker. 1,559,433; Oct. 27.
Humphrey, Clifford W. (See Lea, H. I., and Humphrey.)
Hunt, George, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Internal-combustion engine. 1,558,885; Oct. 27.
Hunter, Harry, deceased, by P. R. McCampbell, administrator, and O. M. Ragsdale, Indianapolis, Ind., assignors, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J. Process and apparatus for treating reclaimed rubber. 1,558,546; Oct. 27.
Hurley, Justin T., Elizabeth, N. J. Computing machine. 1,558,676; Oct. 27.
Husband, Joseph. (See Pimm, Arthur W., assignor.)
Hutt, Leonard P. (See Murphy, E. J., and Hutt.)
Huyett, Daniel D., assignor to Atlas Powder Company, Wilmington, Del. Insuring uniform pressure upon explosive charges of detonators. 1,558,809; Oct. 27.
Huyett, Daniel D., assignor to Atlas Powder Company, Wilmington, Del. Insuring uniform pressure upon explosive charges of detonators. 1,558,810; Oct. 27.
Hyndman, A. (See Lewis, Wilbert F., assignor.)
Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Automatic reverser for door engines. 1,558,886; Oct. 27.
Imbt, William, East Stroudsburg, Pa. Beam rest. 1,559,434; Oct. 27.
Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
Ingersoll-Rand Company. (See Reed, Robert H., assignor.)
International Corset Company. (See Ulman, Rosanna D., assignor.)
International Motor Company. (See Leipert, A. H., and Haag, assignors.)
International Patents Development Company. (See Newkirk, William B., assignor.)
International Telepost Company. (See Delany, Patrick B., assignor.)
Isom, Edward W., Locust Valley, and J. E. Bell, Brooklyn, N. Y., assignors to Sinclair Refining Company, Chicago, Ill. Condensing vapors. 1,558,811; Oct. 27.
Jackson, Carl J., Superior, Wis. Screen door. 1,558,617; Oct. 27.
Jackson, Fred W., Needles, Calif. Crosshead pin and lubricator therefor. 1,559,435; Oct. 27.
Jackson, George P., Flushing, assignor to Combustion Engineering Corporation, New York, N. Y. Pulverizing apparatus. 1,559,170; Oct. 27.
Jackson, John, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Duplex rotary pump. 1,559,323; Oct. 27.
Jackson, Lewis, Simpson, Kans. Animal head check. 1,558,887; Oct. 27.
Jacobs, Jamie E. (See Marion, Frank, assignor.)
Jacobsen, Emil, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,558,812; Oct. 27.
Jacobson, Moses, New York, assignor of one-half to W. A. Schacht, Brooklyn, N. Y. Counting mechanism. 1,558,547; Oct. 27.
Jacoby, Henry C. E., London, England. Dynamo-electric machine. 1,559,436; Oct. 27.
Jasper, Peter C., Michigan City, Ind., assignor of thirty per cent to J. Dirckx, Chicago, Ill. Metal furniture. 1,558,618; Oct. 27.
Jenkins, Charles F., Washington, D. C. Double-image radio picture. 1,559,437; Oct. 27.
Jensen, Frank H., Everett, Mass. Bunion protector. 1,559,324; Oct. 27.
Jensen, Jens M., Schenectady, N. Y., assignor to General Electric Company. Switch-operating mechanism. 1,559,104; Oct. 27.
Jewett, Frank B., Short Hills, N. J., assignor to Western Electric Company Incorporated, New York, N. Y. Analyzing or synthesizing electric waves. 1,559,325; Oct. 27.
Johns-Manville, Inc. (See Andrews, Philip A., assignor.)
Johnson, Jack W., Chicago, assignor to Radio Vacuum Cleaner Company, St. Charles, Ill. Vacuum cleaner. 1,559,105; Oct. 27.
Johnson, Montgomery H., Utica, N. Y. Ironing machine. 1,558,548; Oct. 27.
Johnston, Robert T., Brooklyn, N. Y., assignor to The Flintkote Company, Boston, Mass. Apparatus for saturating fibrous materials. 1,558,549; Oct. 27.
Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Methods and apparatus for avoiding shock chill in precipitating substances from liquids. 1,558,619; Oct. 27.
Jones, Robert E., Longmont, Colo. Baking powder. 1,558,888; Oct. 27.
Jones, Walter A., Columbus, Ohio. Former block. 1,558,986; Oct. 27.
Josepho, Anatol M., New York, N. Y. Machine for printing photographs. 1,559,438; Oct. 27.
Joy, Joseph F., Franklin, assignor to Joy Machine Company, Pittsburgh, Pa. Conveyer. 1,558,550; Oct. 27.
Joy Machine Company. (See Joy, Joseph F., assignor.)
Joyce, James D., Philadelphia, Pa. Winding machine. 1,559,326; Oct. 27.
Juistedt, Clas J., assignor to Bethlehem Steel Company, Bethlehem, Pa. Breech mechanism. 1,559,106; Oct. 27.
K-R Furnace Company. (See Kuss, Robert H., assignor.)
Kägi, Emil, assignor to Gebruder Sulzer, Aktiengesellschaft, Winterthur, Switzerland. Rotary compressor with crescent-shaped working space. 1,558,620; Oct. 27.
Kaiser, Ferdinand, St. Paul, assignor of one-half to G. B. Leonard, Minneapolis, Minn. Pencil. 1,558,889; Oct. 27.
Kalinowski, Victor, South Chicago, Ill. Brush. 1,558,551; Oct. 27.
Kalischer, Georg, Mainkur, near Frankfort-on-the-Main, and K. Keller, Frankfort-on-the-Main, Germany, assignors to Leopold Cassella & Co., Gesellschaft mit beschränkter Haftung. Production of new azo dyestuffs insoluble in water. 1,558,890; Oct. 27.
Kallscheuer, Anthony J., Chicago, Ill. Picture frame. 1,558,987; Oct. 27.
Kapraun, Edward W., Henry, Ill. Internal-combustion engine. 1,559,439; Oct. 27.
Karg, George A., Brooklyn, N. Y. Street car and station indicator. 1,558,988; Oct. 27.
Karle, John D., Roselle Park, N. J. Motor-vehicle fuel-supply device. 1,558,482; Oct. 27.
Kassik, Henry, Yonkers, N. Y. Railway-signal switch. 1,558,813; Oct. 27.
Kastead, Willard E., St. Petersburg, Fla. Parachute toy. 1,558,814; Oct. 27.
Katzenmoyer, Harry E., Rosedale, assignor of one-half to P. H. Fisher, Wyomissing, Pa. Circular-knitting machine. 1,558,815; Oct. 27.
Kayashima, Hisashi, and T. Miyata, New York, N. Y.; said Kayashima, assignor to said Miyata. Lamp. 1,559,327; Oct. 27.
Keene, Alvin D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heating unit. 1,558,891; Oct. 27.
Keilholtz, Lester S., assignor to Delco-Light Company, Dayton, Ohio. Engine. 1,559,107; Oct. 27.
Keller, Karl. (See Kalischer, G., and Keller.)
Kelley, William V. D., Newark, N. J., assignor, by mesne assignments, to Prizma, Incorporated. Motion picture. 1,558,483; Oct. 27.
Kellogg Switchboard & Supply Company. (See Webster, Harry G., assignor.)
Kelly-Springfield Tire Company. (See Thomas, Theodore E., assignor.)
Kelp, Martin, Paris, Ohio. Plow. 1,559,440; Oct. 27.
Kemp, James L., et al. (See Gerow, George C., assignor.)
Kennington, Robert, and R. S. Shearn, Pittsburgh, Pa. Animal carrier. 1,558,892; Oct. 27.
Kephart, Alvin E., Ebensburg, Pa. Automobile horn. 1,559,254; Oct. 27.
Kershaw, George. (See Pennell, John G., assignor.)
King, Gilbert V., Princeton, Wis. Sled attachment for motor-driven vehicles. 1,558,816; Oct. 27.
Kingsbury, Jere G., Bridgeport, Conn. Container for valves and the like. 1,558,484; Oct. 27.
Kirk, Walter L., Chicago, Ill. Stringed musical instrument. 1,559,108; Oct. 27.
Kirschbraum, Lester, Evanston, Ill., assignor to Klintkote Company, Boston, Mass. Roofing element. 1,559,109; Oct. 27.
Kirschmann, Leopold, Berlin-Halensee, Germany. Extracting or coffee machine. 1,558,896; Oct. 27.
Kirton, Arthur W., Philadelphia, Pa. Spray head. 1,558,627; Oct. 27.
Kjelsberg, Harald A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric rack-locomotive drive mechanism. 1,558,893; Oct. 27.
Kleebauer, Charles P., Cohoes, and R. M. Lackey, Waterford, N. Y. Carry bag. 1,559,255; Oct. 27.
Klein, Benjamin W., Mount Vernon, N. Y. Waiting booth for stores. 1,559,256; Oct. 27.
Klein, Maximilian, North Plainfield, N. J., and J. A. Stein, assignors to American Machine and Foundry Company, New York, N. Y. Tip-applying machine. 1,559,257; Oct. 27.
Klingbeil, Gottlieb L. E., Omaha, Nebr. Spring spreader. 1,558,485; Oct. 27.
Klump, William, West Orange, assignor of one-third to J. W. Weed, Orange, and one-third to G. R. Weed, East Orange, N. J. Auxiliary spring for controlling levers on motor vehicles and the like. 1,558,486; Oct. 27.
Klusmeyer, Friedrick, Apierbeck, Germany. Portable sprayer for destroying vermin on plants. 1,559,258; Oct. 27.
Knapp, Karl, Halle-on-the-Saale, Germany. Centrifugal friction coupling for starters for internal-combustion engines. 1,559,259; Oct. 27.
Knowles, Edward G., New York, N. Y. Game. 1,559,171; Oct. 27.
Knowlton, Gerry H. (See Pettit, F. B., and Knowlton.)
Koch, Felix, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. 1,558,552; Oct. 27.
Kochendorfer, Frederic S., River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Mounting for sheetlike articles. 1,559,260; Oct. 27.
Koehler, Charles, Chicago, Ill. Piano action. 1,558,817; Oct. 27.
Koenig, Richard F., Jackson, Mich. Paper-hanger's trimming gauge. 1,558,678; Oct. 27.
Konsalik, Arthur R., Philadelphia, Pa. Skylight. 1,559,261; Oct. 27.

Koppl, Leo T. (See Barrett, R. W., and Koppl.)
Korée, Jean U., assignor to The Korimpex Co. Inc, New York, N. Y. Hair-drying comb. 1,558,679; Oct. 27.
Korimpex Company, The. (See Korée, Jean U., assignor.)
Korzinek, William C., Cliffside Park, N. J., assignor to Golding Bros. Company, New York, N. Y. Textile fabric. Des. 68,578; Oct. 27.
Kovács, Theodor, Meran, Italy. Fountain pen. 1,558,533; Oct. 27.
Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillips and E. A. Darr, executors. Valve-controlled nozzle. 1,558,680; Oct. 27.
Krantz, Hubert K., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switch-operating mechanism. 1,558,894; Oct. 27.
Krauss, Herman D., Lakewood, Ohio. Speed indicator. 1,558,487; Oct. 27.
Kreisel, Paul, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company. Indicating member. 1,558,895; Oct. 27.
Kreisinger, Henry. (See Bell, J. E., and Kreisinger.)
Kumagai, Buntaro, Los Angeles, Calif. Pad holder and pencil sharpener. 1,558,818; Oct. 27.
Kummermehr, Carl A., and J. Schilling, Belleville, Ill. Washboard. 1,559,262; Oct. 27.
Kundel, William, Hoboken, N. J. Washing brush. 1,559,441; Oct. 27.
Kupper, Herman C. (See Anduze, Lucien, assignor.)
Kuss, Robert H., Chicago, Ill., assignor to K-R Furnace Company. Furnace-fire-arch construction. 1,558,819; Oct. 27.
Kuss, Robert H., Chicago, Ill., assignor to K-R Furnace Company. Furnace-grate construction. 1,558,820; Oct. 27.
Kuss, Robert H., Chicago, Ill., assignor to K-R Furnace Company, Furnace-air-supply construction. 1,558,821; Oct. 27.
Lacey, Ernest G., Richmond, Victoria, Australia. Boring machine. 1,559,263; Oct. 27.
La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting and thread-fastening machine. 1,558,488; Oct. 27.
La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-making. 1,558,489; Oct. 27.
Lackey, Robert M. (See Kleebauer, C. P., and Lackey.)
Lacy, Robert H., Richmond, Va. Emergency repair patch for hose and pipes. 1,559,442; Oct. 27.
Lagreid, John H., Seattle, Wash. Quick-set wrench. 1,559,328; Oct. 27.
Lake Erie Trust Company, The. (See Goss, Harold J., assignor.)
Lanning, William T., Dunsmuir, Calif. Mold. 1,559,443; Oct. 27.
Lanz, Firm of Heinrich. (See Hermann, Franz J., assignor.)
L'Archeveque, Adelard. (See Lecomte, A., and L'Archeveque.)
Larsen, Louis J., Long Island City, N. Y. Headpiece for sails. 1,559,264; Oct. 27.
Larson, Lars R., North Braddock, Pa. Heel reenforcement and support. 1,559,444; Oct. 27.
Laundrie, Charles J., San Jose, Calif. Tire-rim-adjusting device. 1,558,989; Oct. 27.
Lavigne, Henry W., assignor of one-half to A. G. Abysalh. Worcester, Mass. Internal-combustion engine. 1,559,445; Oct. 27.
Lea, Henry I., Santa Monica, and C. W. Humphrey, Burlingame, Calif. Aluminum-chloride process. 1,558,897; Oct. 27.
Le Bourgeois, Paul A., et al. (See Barras, Herbert P., assignor.)
Le Bourgeois, Paul G., et al. (See Barras, Herbert P., assignor.)
Le Breton, William H. (See Woods, R., and Le Breton.)
Lecomte, Alphonse, and A. L'Archeveque, Fall River, assignors to Draper Corporation, Hopedale, Mass. Shuttle and picker check for looms. 1,559,172; Oct. 27.
Leddick, George, Schenectady, N. Y., assignor to General Electric Company. Motor controller. 1,559,110; Oct. 27.
Ledine, Wendell L., New York, N. Y. Railway ticket holder, time table, and advertising device. 1,558,898; Oct. 27.
Leedom Randolph, Clifton, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Preserving ground-line section of poles. 1,559,507; Oct. 27.
Lees, Fredrick J., Saginaw, Mich. Toy furniture. 1,559,111; Oct. 27.
Leipert, August H., and G. Haag, assignors to International Motor Company, New York, N. Y. Cushion connection for vehicle construction. 1,558,681; Oct. 27.
Leimberg, Ewald, Berlin, Germany. Razor-blade-sharpening apparatus. 1,558,990; Oct. 27.
Leitner, Henry, London, England. Screw propeller. 1,559,173; Oct. 27.
Lemlyn, Nicolas, Brussels, Belgium. Electric-circuit switch. 1,559,329; Oct. 27.
Lenk, Gus F., Dallas, Tex. Burning chamber for incinerators. 1,558,682; Oct. 27.
Lenk, Gus F., Dallas, Tex. Incinerator. 1,558,683; Oct. 27.
Lenox Incorporated. (See Holmes, Frank G., assignor.)
Leon, Lewicki J., Chicago, Ill. Bird cage. 1,558,899; Oct. 27.
Leonard, George B. (See Kaiser, Ferdinand, assignor.)
Leonis, Christofer G., Salt Lake City, Utah. Separating sugar from residual molasses. 1,558,554; Oct. 27.
Leopold Cassella & Co., Gesellschaft mit beschränkter, Haftung. (See Kalischer, G., and Keller, assignors.)
Letz Manufacturing Company, The. (See Holland-Letz, John and L., assignors.)
Levin, Edward. Brooklyn, N. Y. Garment hanger. 1,558,684; Oct. 27.
Levy, Moss H., London, England. Shoe sole. Des. 68,579; Oct. 27.
Lewers, George R., assignor to Research Corporation, New York, N. Y. Surge dissipator for electrical precipitation circuits. 1,558,991; Oct. 27.
Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,558,900; Oct. 27.
Lewis, Wilbert F., Tacoma, Wash., assignor of forty one-hundredths to A. Hyndman. Fuel-oil-burner regulator. 1,558,685; Oct. 27.
Libby, George N., Redwood City, assignor to National Magnesia Manufacturing Company, San Francisco, Calif. Making alkali-metal carbonate. 1,558,901; Oct. 27.
Liberman, Bernard, Philadelphia, Pa. Cigar bunching. 1,559,265; Oct. 27.
Liberman, Bernard, Philadelphia, Pa. Cigar bunching. 1,559,266; Oct. 27.
Lidseen, Gustave, Chicago, assignor to Concrete Tile Machinery Company, Cicero, Ill. Concrete-tile machine. 1,559,500; Oct. 27.
Ligon, Bert L., Electra, Tex. Well Fishing Tool. 1,558,902; Oct. 27.
Lindsay Light Company. (See McCoy, Herbert N., assignor.)
Lindstrom, Frank L., Bridgeport, Conn. Doll. Des. 68,580; Oct. 27.
Lino Paint Company, The. (See Cathcart, Robert, assignor.)
Lippard, Herman I., Philadelphia, Pa. Washing machine. 1,558,738; Oct. 27.
Lipschitz, Isidore, Brooklyn, N. Y. Fur-seaming machine. 1,559,267; Oct. 27.
Lipton, Morris, Rutherford, L. Haenlein, East Rutherford, and F. W. Hill, Rutherford, N. J., assignors to The Fuchs & Lang Manufacturing Company. Printing press. 1,558,686; Oct. 27.
Ljungström, Fredrik, Lidingo-Brevik, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Condenser for locomotives. 1,559,174; Oct. 27.
Loar, Carl F., Sunbury, Ohio. Burglar alarm. 1,558,687; Oct. 27.
Locomotive Pulverized Fuel Company. (See Caracristi, Virginius Z., assignor.)
Lombardi, Mario, Naples, Italy. Valve. 1,558,992; Oct. 27.
Lonet, Thomas, Oakland, Calif. Automobile signal-light casing. Des. 68,581; Oct. 27.
Lonet, Thomas, Oakland, Calif. Automobile signal-light casing. Des. 68,582; Oct. 27.
Lonet, Thomas, Oakland, Calif. Automobile signal-light casing. Des. 68,583; Oct. 27.
Lontz, Harry R., assignor, by mesne assignments, to The F. & N. Lawn Mower Company of Delaware, Richmond, Ind. Lawn mower. 1,558,555; Oct. 27.
Loomis, Chauncey C., Yonkers, and H. E. Stump, Brooklyn, N. Y., assignors, by mesne assignments, to The Hevea Corporation. Compounding rubber. 1,558,688; Oct. 27.
Loth, William A., assignor to Société Industrielle des Procédés W. A. Loth, Paris, France. Reproduction of the recorded displacements or vibrations of a medium such as air. 1,558,734; Oct. 27.
Lowy, Benno, San Francisco, Cal. Process of and composition for dough making. 1,559,330; Oct. 27.
Luján, Manuel L., Los Angeles, Calif. Unit control for radio receiving sets. 1,559,112; Oct. 27.
Luke, James A., assignor of one-half to E. N. Smith, Cleveland, Ohio. Antiskid-chain fastener. 1,558,556; Oct. 27.
Lutz, John, assignor to S. W. Evans & Son, Philadelphia, Pa. Umbrella seat. 1,559,331; Oct. 27.
Lutz, John, and W. S. Evans, assignors to S. W. Evans & Son, Philadelphia, Pa. Flexible umbrella rib. 1,559,332; Oct. 27.
Lyon, Claude A., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train-control system. 1,559,333; Oct. 27.
M. & R. Mfg. Co., The. (See Merwin, William N., assignor.)
MacQuarrie, Archibald E. (See Bolstad, A. C., and MacQuarrie.)
Mace, Tine H., assignor of one-half to R. P. Porter, Las Cruces, N. Mex. Spring-cushion construction. 1,558,694; Oct. 27.
Magic Hair Curler Company. (See West, Augustus A., assignor.)
Mahood, Frank. (See Brown, L. D., French, and Mahood.)
Mallory, Howard A., Cooperstown, N. Y. Pool-cue tip. 1,558,740; Oct. 27.



Malouf, Charles. (See Pease, Raymond H., assignor.)
Maluchnik, John, Chicago, Ill. Windmill. 1,558,903; Oct. 27.
Manning, Maxwell & Moore, Inc. (See Moore George E., assignor.)
Manuel, Charles J., Elmsford, N. Y. Adjustable release valve. 1,558,695; Oct. 27.
Maranville, Clarence H., Akron, Ohio. Rubber glove. 1,559,114; Oct. 27.
Marion, Frank, Lebanon, N. H., assignor of one-half to J. E. Jacobs, Barre, Vt. Rotary pump. 1,558,696; Oct. 27.
Marker, William M., and W. R. Allen, Ventura, Calif. Throttled outlet separator. 1,559,115; Oct. 27.
Marlin Firearms Corporation, The. (See Rockwell, Hugh M., assignor.)
Marlin-Rockwell Corporation. (See Rockwell, Albert F., assignor.)
Marrison, Warren A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave generating and modulating system. 1,559,116; Oct. 27.
Marshall, Isaiah S., Des Moines, Iowa. Mine-drilling machine. 1,559,175; Oct. 27.
Martin, Henry D., Griffin, Ga., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading shuttle. 1,559,268; Oct. 27.
Martin, William. (See Santos, John B., assignor.)
Martocello, Joseph A., Philadelphia, Pa. System of dehydration. 1,558,741; Oct. 27.
Marts, George E., Long Beach, Calif. Foot-pedal extension. 1,558,697; Oct. 27.
Masland, Harvey C., Philadelphia, Pa. Emergency surgical splint. 1,559,339; Oct. 27.
Mass, August G., Cincinnati, Ohio. Combined clamp and hanger for books. 1,559,446; Oct. 27.
Masucci, Peter, Norwood, assignor to H. K. Mulford Company, Glenolden, Pa. Irritant product from the Rhus plant and obtaining same. 1,559,340; Oct. 27.
Maszczyk, Alexander, Chicago, Ill. Combination machine vise. 1,558,742; Oct. 27.
Mathias, Manuel B., Hanford, Calif. Hen nest and trap. 1,558,698; Oct. 27.
Matthies, William H., Hackensack, and W. P. Albert, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,559,269; Oct. 27.
Mattice, Royal, Bethlehem, Pa. Rust-producing compound. 1,559,341; Oct. 27.
Mattice, Royal, Bethlehem, Pa. Method of and apparatus for purifying molten metal. 1,559,342; Oct. 27.
Maxwell, George H., Phoenix, Ariz. Shoe-bottom-filler machine. 1,558,699; Oct. 27.
Mayberry, James B., Shreveport, La. Link cup for chain pumps. 1,558,490; Oct. 27.
Maynard, John E., assignor to The Draper-Maynard Company, Plymouth, N. H. Football. 1,559,117; Oct. 27.
McArthur, Arthur R., Newport, Wash. Bark-removing tool. 1,558,735; Oct. 27.
McBride, Donald C., Luling, Tex. Pulley jack. 1,558,689; Oct. 27.
McCallister, Arthur W., Shidler, assignor of one-half to A. R. O'Brien, Bartlesville, Okla. Clamp. 1,559,334; Oct. 27.
McCampbell, Paul R., administrator. (See Hunter, H., and Ragsdale.)
McCart, Robert, jr. (See Fairbairn, T. M., Valdespino, and McCart.)
McColley, Robert C., Indianapolis, Ind. Lifting jack. 1,559,045; Oct. 27.
McCollom, Edwin P., Baltimore, Md. Game apparatus. 1,558,690; Oct. 27.
McConnell, Bertram S., assignor to P. C. Reilly, Indianapolis, Ind. Filling the interstices between the units of a pavement or floor. 1,559,335; Oct. 27.
McCoy, Herbert N., assignor to Lindsay Light Company, Chicago, Ill. Manufacture of titanum sulphate. 1,559,113; Oct. 27.
McCoy, John A., Weed, Calif. Lock washer. 1,558,736; Oct. 27.
McCrea, John W. (See Barthel, O. E., and McCrea.)
McCreary, Harry, Indiana, Pa. Broad-tread tire. Des. 68,584; Oct. 27.
McDermott, Joseph, Toledo, Ohio. Leer-charging mechanism. 1,558,691; Oct. 27.
McDonald, Lyman P. (See Hill, Claude, assignor.)
McElfish, Owen A., Cumberland, Md. Antiskidding device. 1,559,336; Oct. 27.
McFarlane, Malcolm J., New Orleans, La. Fireless cooker and heater. 1,559,337; Oct. 27.
McFeely, Ronald F., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,558,737; Oct. 27.
McFerran, John B., jr., Louisville, Ky. Driving apparatus for ice-cream freezers. 1,558,738; Oct. 27.
McGinley, James E., assignor of one-tenth to J. Turmes, Breckenridge, Tex. Combination desk and chair. 1,558,692; Oct. 27.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Velocipede and the like. 1,558,557; Oct. 27.
McHale, Martin, Anyox, British Columbia, Canada. Dolly-hammer cylinder front head. 1,559,338; Oct. 27.
McKinley, Benjamin P., Murray Hill-Flushing, assignor to Hemco Electric Manufacturing Company, Inc., Long Island City, N. Y. Dial for radio receiving apparatus. Des. 68,585; Oct. 27.
McLaughlin, William C., Oakland, Calif. Electric amalgamator. 1,558,993; Oct. 27.
McLeran, George R., Hinsdale, Ill. Bundle carrier. 1,559,046; Oct. 27.
McMullin, Roy A., Boston, Mass., assignor to Stephens-Adamson Mnfg. Co. Coal bunker. 1,558,739; Oct. 27.
McWhirter, William C., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake device. 1,558,693; Oct. 27.
Merriman, Merle E., Deer Park, Ohio. Elapsed-time calculator and printer. 1,558,743; Oct. 27.
Merwin, William N., assignor to The M. & R. Mfg. Co., Waukegan, Ill. Machine for handling milk cans. 1,558,700; Oct. 27.
Messink, William B., Carrollton, Ky. Ball-bearing construction. 1,559,118; Oct. 27.
Metalweld Service Corporation, The. (See Oechsle, Joseph S., assignor.)
Metcalf, Jay H., Grand Rapids, Mich. Bier construction. 1,558,558; Oct. 27.
Meyer, Erwin E. A. G., assignor to Morgan & Wright, Detroit, Mich. Rubber compound and its manufacture. 1,558,701; Oct. 27.
Meyeringh, Diedericus J., and P. C. Wijnand, Amsterdam, Netherlands. Preparation of a dyed rubber product. 1,559,343; Oct. 27.
Meyer-Keller, Otto, Luzern, Switzerland. Liquid electrode. 1,559,447; Oct. 27.
Middleswart, Allen H., Piqua, Ohio. Check protector. 1,558,702; Oct. 27.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire building. 1,558,904; Oct. 27.
Mikle, Clinton O., Portland, Oreg. Automatic drifting-valve system. 1,558,994; Oct. 27.
Miller, Arnold W., Lima, Ohio, Golf club. 1,558,703; Oct. 27.
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Cutter for generating threads and the like. 1,558,704; Oct. 27.
Miller, Elisabeth N., assignor of one-half to B. F. Schmidt, Los Angeles, Calif. Mattress retainer. 1,559,119; Oct. 27.
Miller, Harry, Cleveland, Ohio. Bather's purse. 1,559,270; Oct. 27.
Miller, Pitser. (See Wood, Robert O., assignor.)
Milligan, Ernest R. (See Chrey, T., and Milligan.)
Milligan, Joseph H., East Holliston, Mass. Electric lock. 1,558,705; Oct. 27.
Milliken, Foster, Lawrence, N. Y. Street signal lamp. 1,558,905; Oct. 27.
Milliken, Foster, Lawrence, N. Y. Street signal lamp. 1,558,906; Oct. 27.
Mills, Bernard, Brooklyn, N. Y., assignor to Row & Davis Engineers, Inc. Heating system. 1,558,907; Oct. 27.
Mills, Fred L., assignor to Mills Novelty Company, Chicago, Ill. Toy race course. 1,559,120; Oct. 27.
Mills Novelty Company. (See Mills, Fred L., assignor.)
Mills, Percy E., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Rheostat. 1,559,271; Oct. 27.
Mills, Warren F., San Francisco, Calif. Boat davit. 1,559,448; Oct. 27.
Miner, Evermont R., Portland, Oreg. Eyeglasses or spectacles. 1,558,744; Oct. 27.
Minert, Theodore R., Milwaukee, Wis. Pumping apparatus. 1,558,745; Oct. 27.
Mitchell, May N., New Rockford, N. Dak. Combination jelly strainer and fruit press. 1,558,995; Oct. 27.
Mittasch, Alwin, Ludwigshafen-on-the-Rhine, M. Pier, Heidelberg, and K. Winkler, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of oxygenated organic compounds. 1,558,559; Oct. 27.
Mitzel, Harvey F., Providence, R. I., assignor, by mesne assignments, of one-half to The Golf Ball Corporation of America, Wilmington, Del. Golf ball. 1,558,706; Oct. 27.
Miyata, Totaro. (See Kayashima, H., and Miyata.)
Modern Flour Mills. (See Chalmers, James G., assignor.)
Modlin, Frank E., jr., Burbank, Calif. Fuel-cracking device for internal-combustion engines. 1,559,344; Oct. 27.
Moloney, Patrick J., Brooklyn, N. Y. Smoke-printing device. 1,559,345; Oct. 27.
Moloney, Stuart B., Wellesley Hills, Mass., assignor, by mesne assignments, to R. T. Vanderbilt Co., Inc., New York, N. Y. Rubber vulcanization and product thereof. 1,558,707; Oct. 27.
Monaghan, Edward M., and R. Rigby, Liverpool, assignors to The British Reinforced Concrete Engineering Company Limited, Manchester, England. Tool or apparatus for bending metal fabric. 1,559,272; Oct. 27.
Moore, George E., Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Traveling crane. 1,558,746; Oct. 27.
Moore, John A., Portland, Oreg. Segregating nest. 559,347; Oct. 27.
Moore, John H., Tiptop, Va. Tractor antibucking attachment. 1,559,121; Oct. 27.
Moore, John N., Thorndale, Tex. Dishwashing machine. 1,559,346; Oct. 27.

Moore, Morris C., Luling, Tex. Oil-well hook-on device. 1,559,348; Oct. 27.
Mordt, Erik J., Evanston, Ill. Reel. 1,559,449; Oct. 27.
Morfoot, James L., Akron, Ohio. Battery connecter. 1,558,491; Oct. 27.
Morgan & Wright. (See Meyer, Erwin E. A. G., assignor.)
Morgenstern, Joseph, and J. G. Raquette; said Morgenstern, assignor to The Silver and Morgenstern Electric Company, Cleveland, Ohio. Outlet-box structure. 1,558,273; Oct. 27.
Moroney, George A., Philadelphia, Pa. Box for souvenir pictures and the like. Des. 68,586; Oct. 27.
Morrell, Jacque C. (See Egloff, G., and Morrell.)
Morris, Bert M., San Francisco, Calif. Reservoir inkwell. 1,559,274; Oct. 27.
Morrison, Simon, Brooklyn, N. Y., assignor to August Goertz & Company, Inc., Newark, N. J. Vanity case. 1,558,492; Oct. 27.
Mosher, Charles D., New York, N. Y. Air-heating apparatus. 1,558,493; Oct. 27.
Moss, Albert A., Newark, N. J. Car coupling. 1,558,747; Oct. 27.
Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Hummer-actuated ice pick. 1,558,560; Oct. 27.
Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Bobbin. 1,558,561; Oct. 27.
Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)
Motor Wheel Corporation. (See Forsyth, George H., assignor.)
Mott, William R., Decorah, Iowa, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Electrical connection. 1,559,349; Oct. 27.
Mrox, Josef, Vienna, Austria. Photographic apparatus. 1,558,996; Oct. 27.
Muchmore, Frederick W., deceased. Philadelphia, Pa.; W. R. Furies, administrator, assignor to W. W. Muchmore, Boston, Mass. Automatic safety gate. 1,559,350; Oct. 27.
Muchmore, W. Wayne. (See Muchmore, Frederick W., assignor.)
Muck, William S., assignor of one-half to J. F. Arthur, Dickson, Pa. Window-sash holder. 1,558,748; Oct. 27.
Mueller, Robert A., Houston, Tex. Adjustable pump piston. 1,558,749; Oct. 27.
Mulford, H. K., Company. (See Masucci, Peter, assignor.)
Müller, Arthur H., Blakenese, near Hamburg, Germany. Water gate. 1,559,351; Oct. 27.
Müller, Paul, Charlottenburg, Germany, assignor to General Electric Company. Connecting alternating-current commutator motors. 1,559,122; Oct. 27.
Multo, Marcel C. E., Paris, France. Shock-absorbing means. 1,558,750; Oct. 27.
Mundet, L., & Son, Inc. (See Nueske, Julius, jr., assignor.)
Münzinger, Friedrich, Berlin-Wilmersdorf, Germany. Method and means for controlling the water level in steam boilers. 1,558,997; Oct. 27.
Murphy, Edwin J., and L. P. Hutt, Schenectady, N. Y., assignors to General Electric Company. Reproducing position. 1,559,525; Oct. 27.
Murray, Pexton F. (See Allen, H. E., and Murray.)
Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,558,708; Oct. 27.
Myers, Lewis C., Freeport, assignor to Royal Typewriter Company Inc., New York, N. Y. Typewriting machine. 1,559,123; Oct. 27.
Myers, Lewis C. (See Hess, E. B., Myers, and Handley.)
Myler, Catherine, administratrix. (See Myler, Stephen A.)
Myler, Stephen A., deceased, Millbrook, by C. Myler, administratrix, assignor to S. Wisey, Glen Cove, N. Y. Manufacture of articles from highly-refractory materials and articles formed. 1,559,275; Oct. 27.
National Carbon Company. (See Mott, William R., assignor.)
National Carbon Company. (See Voorhees, Lee J., assignor.)
National India Rubber Company. (See Polleys, Herbert R., assignor.)
National Magnesia Manufacturing Company. (See Libby, George N., assignor.)
National Paper Box Company. (See Newton, Edwin H., assignor.)
National Paper Can Company, The. (See Annen, J. E., and Frostad, assignors.)
National Standard Company. (See Hopkins, Arthur C., assignor.)
Naugatuck Chemical Company, The. (See Whittelsey, T., and Bradley, assignors.)
Naylor, Mansel E., Los Angeles, Calif. Lock. 1,558,562; Oct. 27.
Nelson, John H., Chicago, Ill. Velocipede. 1,559,276; Oct. 27.
Nelson, John H., Chicago, Ill. Wheel-supporting fork for bicycles and the like. 1,559,277; Oct. 27.
Nelson, Lewis D., Coldwater, Mich. Automobile heater. 1,559,047; Oct. 27.
Nelson, Virginia P., New York, N. Y. Attachment for cribs, perambulators, and the like. 1,559,352; Oct. 27.
Nenstiehl, William C., Wilmington, Del. Self-closing top for containers. 1,558,709; Oct. 27.
Neuert, John M., Indianapolis, Ind. Street-sweeping machine. 1,559,278; Oct. 27.
Nevius, George H., Shrewsbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Brush or similar article. Des. 68,587; Oct. 27.
Newkirk, William B., Riverside, Ill., assignor to International Patents Development Company, Wilmington, Del. Dextrose hydrate. 1,559,176; Oct. 27.
New Method Stove Company, The. (See Sanford, Henry H., assignor.)
Newton, Cass P., Des Moines, Iowa. Window-shade and curtain-rod bracket. 1,559,124; Oct. 27.
Newton, Edwin H., assignor to National Paper Box Company, Kansas City, Mo. Display box. 1,558,494; Oct. 27.
Newton, Frank B., Milton, Mass. Fabric for wearing apparel. 1,558,503; Oct. 27.
Nichol, Orr T., St. Edwards, Nebr. Governor. 1,559,125; Oct. 27.
Nichols, Dell W., Minneapolis, Minn. Therapeutic lamp appliance. 1,558,998; Oct. 27.
Nichols, George T., Gainesville, Tex. Automobile wheel rim. 1,558,908; Oct. 27.
Nichols, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Selective circuits. 1,558,909; Oct. 27.
Nisbet, Theodore B., Irvington, N. Y. Windshields for automobiles. 1,558,710; Oct. 27.
Nittinger, Carl, Breslau, Germany. Holder for the blades of shaving apparatus. 1,558,711; Oct. 27.
Noble, Islom J., Higginson, Ark. Vehicle spring. 1,559,353; Oct. 27.
Norman, David, New York, N. Y. Attachment for quilling machines. 1,558,621; Oct. 27.
Norris, Charles W., Chicago, Ill. Golf-drive tester. 1,559,354; Oct. 27.
Norris, Paul E., Wilkinsburg, assignor to Westinghouse Union Battery Company, Swissvale, Pa. Electric battery. 1,558,910; Oct. 27.
Nueske, Julius, jr., assignor to L. Mundet & Son, Inc., Brooklyn, N. Y. Cork-packing machine. 1,558,751; Oct. 27.
Nuttale, R. D., Company. (See Burnham, Leland F., assignor.)
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Electrical testing system. 1,558,564; Oct. 27.
Oakley, Laurence M., assignor to Essex Rubber Company, Trenton, N. J. Shoe sole. 1,559,450; Oct. 27.
Oakley, Robert W., Toronto, Ontario, Canada. Tool for putting on or removing tires from the rims of vehicles. 1,559,355; Oct. 27.
Obersohn, Albert, Berlin-Charlottenberg, W. Wachtel, Berlin, D. Sakom, Wiesbaden, and P. Askenasy, Karlsruhe, Germany. Manufacture of colloidal substances in the form of small balls or grains. 1,559,126; Oct. 27.
O'Brien, Alexander R. (See McCallister, Arthur W., assignor.)
O'Brien, Alice A. (See O'Brien, Thomas R., assignor.)
O'Brien, Thomas R., Buffalo, N. Y., assignor to A. A. O'Brien, Guelph, Ontario, Canada. Shocker. 1,558,911; Oct. 27.
O'Donnell, John, jr., assignor of one-half to L. H. Brown, Philadelphia, Pa. Faceplate for auto signal. Des. 68,588; Oct. 27.
O'Donoghue, Aloysius S. (See Wrenn, H. B. P., and O'Donoghue.)
Oechsle, Joseph S., assignor to The Metalweld Service Corporation, Philadelphia, Pa. Tractor attachment frame. 1,558,752; Oct. 27.
Ogden, Ashley G., Baltimore, Md., assignor to American Machine & Foundry Company. Photographic-printing device. 1,558,622; Oct. 27.
Ogle, Charles W., St. Louis, Mo. Valve grinder. 1,559,177; Oct. 27.
Olsen, Fredrich, Dover, N. J. Shell filler. 1,558,565; Oct. 27.
Olson, Robert I. (See Stavrum, M. W., Olson, and Berry.)
Olson, Walter E., Chicago, Ill. Truck for handling rugs or the like. 1,559,356; Oct. 27.
O'Neill, Thomas A., New York, N. Y. Automatic gas cut-off. 1,559,357; Oct. 27.
Oppenheim, Charles J., jr., New York, N. Y. Jar. Des. 68,589; Oct. 27.
Optical Products Corporation. (See Strauss, Leopold, assignor.)
Optische Anstalt C. P. Georg Aktiengesellschaft. (See Boykow, Hans, assignor.)
Ordakowsky, Felix, Clarksburg, W. Va. Mechanically-operated fan. 1,558,912; Oct. 27.
Ormsbee, Willard A., assignor to Taunton Pearl Works, Inc., Taunton, Mass. Belt buckle. Des. 68,590; Oct. 27.
Ormsbee, Willard A., assignor to Taunton Pearl Works, Inc., Taunton, Mass. Belt buckle. Des. 68,591; Oct. 27.
Ortlieb, Charles, Little Falls, N. Y. Helve guard. 1,558,999; Oct. 27.
Osbon, Charles B., Somerville, Mass. One-man boat-launching apparatus for ships. 1,559,534; Oct. 27.





Osborn, Ivan H., Fort Smith, Ark. Cultivator. 1,559,526; Oct. 27.
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Flintkote Company, Boston, Mass. Making roofing felt or like material. 1,558,495; Oct. 27.
Pacent Electric Company. (See Pacent, Louis G., assignor.)
Pacent, Louis G., Winfield assignor to Pacent Electric Company, Incorporated, New York, N. Y. Vacuum tube adapter. 1,559,358; Oct. 27.
Packard, James A., Milwaukee, Wis. Boiler furnace. 1,559,048; Oct. 27.
Packard Motor Car Company. (See Stout, William B., assignor.)
Packard Motor Car Company. (See Woolson, Lionel N., assignor.)
Packer, Glenn W., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose material. 1,559,000; Oct. 27.
Page, Samuel H., Strafford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 68,592; Oct. 27.
Pahmeyer, Frederick O., assignor to Heine Boiler Company, St. Louis, Mo. Machine for drilling or reaming boiler shells. 1,559,359; Oct. 27.
Paige, Arthur E., Philadelphia, Pa. Electric welding. 1,559,360; Oct. 27.
Pape, Charles, Denver, Colo. Stocking protector. 1,559,001; Oct. 27.
Paranteau, George R. (See Schlinger W. P., and Paranteau.)
Park, Halford W., Scarsdale, N. Y., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Automatic device for draining variable-pressure alarm systems. 1,558,623; Oct. 27.
Parris, Halford W., Scarsdale, N. Y., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Automatic valve for draining variable-pressure alarm systems. 1,558,624; Oct. 27.
Parke, Peter, assignor to The Pullman Company, Chicago, Ill. Window arrangement for sleeping cars. 1,558,753; Oct. 27.
Parker, Edward H., New Britain, Conn. Fireman's helmet-lamp combination. 1,559,451; Oct. 27.
Parker, Waveard D., Cleveland, Ohio. Storage-battery-charging plug. 1,559,361; Oct. 27.
Parkins, John T., Mandan, N. Dak. Flagman's kit. 1,559,362; Oct. 27.
Parks, Dennis, St. Louis, Mo. Uniting a rubber heel and leather base. 1,558,496; Oct. 27.
Parks, Paul B., Oak Park, and J. Van Vulpen, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Switch-operating mechanism. 1,558,712; Oct. 27.
Parshall, James C., Lincoln, Nebr. Hair-curling iron. 1,558,913; Oct. 27.
Patterson, Horace S., jr., Lewisport, Ky. Interlocking guard. 1,558,914; Oct. 27.
Parziale, Jean, Richmond Hill, N. Y. Hair-trimming guide. 1,559,363; Oct. 27.
Paul, Lewis S. (See Pritner, L. C., and Paul.)
Paxton and Gallagher Company. (See Gallagher, Paul C., assignor.)
Pearce, Dewey O., Boise, Idaho. Inflatable ball. 1,559,364; Oct. 27.
Pease, Raymond H., assignor to C. Malouf, Chicago, Ill. Coin-controlled mechanism. 1,558,497; Oct. 27.
Peck, John M., C. V. Bennett, and J. W. Ryan, assignors to The Porcelain Insulator Corporation, Lima, N. Y. Making insulators. 1,558,498; Oct. 27.
Peck, John M., assignor The Porcelain Insulator Corporation, Lima, N. Y. Insulator construction. 1,558,499; Oct. 27.
Pengilly, Lewis, Stockton, Calif. Combined cigarette and cigar lighter. 1,558,915; Oct. 27.
Pennell, John G., assignor to G. Kershaw, Toronto, Ontario, Canada. Device for automatically hooking fish. 1,558,916; Oct. 27.
Pepper, Byron J., assignor to S. F. Bowser & Company Inc., Fort Wayne, Ind. Pump. 1,559,365; Oct. 27.
Perkins, Jeff D., Jacksonville, Fla. Lock attachment for doors. 1,558,917; Oct. 27.
Perrault, Joseph E., and M. S. Cate, assignors to Hood Rubber Company, Watertown, Mass. Bead-core-buffing machine. 1,559,127; Oct. 27.
Peters, Mathias, Duisburg, Germany. Steel alloy for the rollers of Pilger rolling mills. 1,558,918; Oct. 27.
Pettit, Foster B., and G. H. Knowlton, Logansport, Ind. License-plate carrier. 1,559,128; Oct. 27.
Petty, William J., Hollis, Okla. Cultivator attachment. 1,558,625; Oct. 27.
Phelps, Charles B., jr., Memphis, Tenn. Copy holder. 1,559,366; Oct. 27.
Phillips, Edgar J., et al., executors. (See Kraft, Henry P.)
Phillips, Isaac L., New York, N. Y., assignor, by mesne assignments, to Van Heusen Products, Inc. Cuff. 1,558,754; Oct. 27.
Phoenix Hosiery Company, The. (See Breyer, Robert, assignor.)
Pier, Mathias. (See Mittasch, A., Pier, and Winkler.)
Pierce, Walter H., Watertown, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,559,279; Oct. 27.
Pignal, Georges, Tubize, assignor to Fabrique de Soie Artificielle de Tubize, Societe Anonyme, Brussels, Belgium. Drawing-frame carrier for the spinning of artificial textile materials. 1,558,626; Oct. 27.
Pimm, Arthur W., London, England, assignor of one-half to J. Husband, Winnetka, Ill. Index book and producing the same. 1,559,129; Oct. 27.
Pioneer Suspender Company. (See Simmons, Frederick C., assignor.)
Piper, Walter F. (See Beardsley, E. O., and Piper.)
Pitney, Arthur H., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Portable postage-meter machine. 1,558,755; Oct. 27.
Pitney-Bowes Postage Meter Company. (See Pitney, Arthur H., assignor.)
Plastino, Michael R., Spokane, Wash. Electric heater. 1,559,002; Oct. 27.
Podnar, Mile, Des Moines, Iowa. Automatic coupling for pneumatic train pipes. 1,559,178; Oct. 27.
Pohle, Walter B., et al. (See Haskell, Parker B., assignor.)
Polichek, Anton, Chicago, Ill. Mechanically-operated figure toy. 1,558,919; Oct. 27.
Pollak, Alfred, Vienna, Austria. Production of nutrient media for growing yeast. 1,558,627; Oct. 27.
Pollak, Bernard E. (See de Lattre, J. G., and Hardy, assignors.)
Polleys, Herbert R., New Haven, Conn., assignor to National India Rubber Company, Bristol, R. I. Cementing machine. 1,559,367; Oct. 27.
Polte, Firm. (See Böttner, Arno, assignor.)
Pomeroy, James W. (See Todd, W. C., and Pomeroy.)
Pomilio Brothers Corporation. (See Pomilio, U., and Giordani, assignors.)
Pomilio, Umberto, and F. Giordani, Naples, Italy, assignors to Pomilio Brothers Corporation, New York, N. Y. Method for elimination of iron and solutions of leucitic rocks. 1,559,179; Oct. 27.
Poole, Charles M., Waco, Tex., assignor, by mesne assignments, to Texas La Crosse Company. Extension axle. 1,559,368; Oct. 27.
Poole, Jacob, Hamden, N. Y. Hook-and-eye fastener. 1,559,369; Oct. 27.
Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Driving device. 1,558,500; Oct. 27.
Pope, Joseph H. Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-attaching machine. 1,558,501; Oct. 27.
Porcelain Insulator Corporation, The. (See Peck, John M., assignor.)
Porcelain Insulator Corporation, The. (See Peck, J. M., Bennett, and Ryan, assignors.)
Porter, R. P. (See Mace, Tine H., assignor.)
Postemsky, Michael, Brooklyn, N. Y. Permutation locking means for valves. 1,559,370; Oct. 27.
Povey, Harry, Stanmore, and H. O. Hallas, London, England, assignors to Colloidal Equipment Corporation, New York, N. Y. Machine for distintegrating and emulsifying materials. Re16,191; Oct. 27.
Powell, Richard L., Lewistown, Pa. Self-cushioning metal tie. 1,559,003; Oct. 27.
Powell, Winfred T., asisgnor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,559,371; Oct. 27.
Powell, Winfred T., Rochester, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange sytsem. 1,559,372; Oct. 27.
Power, Jeffrey J., Madison, assignor to Power-Stevens Fan Devices Company, Milwaukee, Wis. Ensilage machine. 1,558,502; Oct. 27.
Power Specialty Company. (See Heenan, John N. D., assignor.)
Power-Stevens Fan Devices Company. (See Power, Jeffrey J., assignor.)
Prat, Emile, Paris, France. Heat exchanger. 1,559,180; Oct. 27.
Press, Edith, et al. (See Gerow, George C., assignor.)
Press, William J., et al. (See Gerow, George C., assignor.)
Pressed Steel Car Company. (See Holt, Walter H., assignor.)
Pressed Steel Car Company. (See Koch, Felix, assignor.)
Pressler, John G., Chicago, Ill. Hose connection for automobile engines and radiators. 1,558,503; Oct. 27.
Price, Charles P., Boston, Mass. Vending-machine casing. Des. 68,593; Oct. 27.
Prieto y Cruz, Oscar, Ponce, P. R. Mixing apparatus. 1,558,669; Oct. 27.
Prince, George W., Clemenceau, Ariz., and A. Douglas, assignors to United Verde Extension Mining Company, New York, N. Y. Smelting furnace and smelting ores therein. 1,559,508; Oct. 27.
Prince, George W., Clemenceau, Ariz., and A. Douglas, assignors to United Verde Extension Mining Company, New York, N. Y. Smelting furnace and smelting ores therein. 1,559,509; Oct. 27.
Prindle, Frank P., New Britain, Conn., assignor to The Stanley Works. Automobile steering connection and making the same. 1,559,452; Oct. 27.
Pritner, Lindsay C., and L. S. Paul, Johnstown, Pa. Welding table. 1,559,453; Oct. 27.
Pritner, Lindsay C., and L. S. Paul, Johnstown, Pa. Bending machine. 1,559,454; Oct. 27.

Pritner, Lindsay C., Johnstown, Pa. Truck frame. 1,559,455; Oct. 27.
Prizma, Incorporated. (See Kelley, William V. D., assignor.)
Process Engineers Inc. (See De Cew, Judson A., assignor.)
Provol, W. Lee. (See Voble, Elmer E., assignor.)
Provol, W. Lee. (See Wood, Joseph E., assignor.)
Pullman Company, The. (See Parke, Peter, assignor.)
Purcell, William F., Buffalo, N. Y., assignor to The Safety Equipment Service Company, Cleveland, Ohio. Safety lock for knife switches. 1,558,628; Oct. 27.
Purvis, Annett, Shreveport, La. Flycatcher. 1,559,373; Oct. 27.
R. G. T. Mfg. Co. (See Ranyard Reginald M., assignor.)
Rabanete, David, Barcelona, Spain. Calculating machine. 1,559,374; Oct. 27.
Radio Vacuum Cleaner Company. (See Johnson, Jack W., assignor.)
Ragan, Sidney A., assignor of one-half to H. Frost, New Orleans, La. Paper-perforating machine. 1,558,504; Oct. 27.
Ragsdale, Oren M. (See Hunter, H., and Ragsdale.)
Railway Devices Company. (See Campbell, Sterling H., assignor.)
Rand, James H., jr., Tonawanda, N. Y. Card-index device. 1,558,629; Oct. 27.
Rand, James H., assignor to Rand Kardex Company, Inc., North Tonawanda, N. Y. Index guide. 1,558,756; Oct. 27.
Rand Kardex Company. (See Rand, James H., assignor.)
Ranyard, Reginald M., Palms, assignor to R. G. T. Mfg. Co., Los Angeles, Calif. Gas filter. 1,559,456; Oct. 27.
Raquette, Joseph G. (See Morgenstern, J., and Raquette.)
Rattigan, John J., Homestead, Pa. Dredge bucket. 1,559,004; Oct. 27.
Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Producing rubber articles. 1,558,505; Oct. 27.
Raymond Concrete Pile Company. (See Smith, H. R., and Twist, assignors.)
Reading Chain and Block Corporation. (See Howard, Frank H., assignor.)
Rease, Dennison F., et al. (See Abbott, William E., assignor.)
Rech, Raymond G., Syracuse, N. Y. Progress chart. 1,558,920; Oct. 27.
Reed, Arthur F., assignor to F. E. Reed Glass Company, Rochester, N. Y. Bottle. Des. 68,594; Oct. 27.
Reed, Charles S., assignor, by mesne assignments, to Doherty Research Company, New York, N. Y. Variable-pressure gas regulator. 1,558,757; Oct. 27.
Reed, F. E., Glass Company. (See Reed, Arthur F., assignor.)
Reed, Robert H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Hydraulic seal for rotary engines. 1,558,630; Oct. 27.
Regan Safety Devices Company, The. (See Lyon, Claude A., assignor.)
Reichle, Frederick J., assignor to Brown & Bigelow, St. Paul, Minn. Letter case and wallet. 1,558,921; Oct. 27.
Reichmann, Frank J., Chicago, Ill. Casing for induction coil. Des. 68,595; Oct. 27.
Reid, Joseph S., assignor to Clark Brothers Company, Olean, N. Y. Chain wheel. 1,559,375; Oct. 27.
Reilly, John S., New York, N. Y. Ice-cream-sundae cone. 1,558,922; Oct. 27.
Reilly, Peter C. (See McConnell, Bertram S., assignor.)
Reinbold, Herman and H., Omaha, Nebr.; said H. Reinbold assignor to said Herman Reinbold. Medium for bleaching, cracking, and desulphurizing petroleum and other hydrocarbon compounds and preparing same. 1,558,631; Oct. 27.
Reinbold, Herman and H., Omaha, Nebr.; said H. Reinbold assignor to said Herman Reinbold. Medium for bleaching, cracking, and desulphurizing petroleum and other hydro-carbon compounds and preparing same. 1,558,632; Oct. 27.
Reinbold, Hugo. (See Reinbold, Herman and H.)
Research Corporation. (See Clevenger, Galen H., assignor.)
Research Corporation. (See Lewers, George R., assignor.)
Reynolds, De Elbert A., West Hoboken, N. J., assignor, by mesne assignments, to Audiphone Company of America, New York, N. Y. Induction coil. 1,558,758; Oct. 27.
Reynolds, William S., Redding, Calif. Auto automatic speed regulator. 1,559,181; Oct. 27.
Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. 1,559,182; Oct. 27.
Richards, Alice M., Oshkosh, Wis. Vase holder. 1,559,005; Oct. 27.
Richardson, Edward E., Maumee, Ohio. Draft-preventing mat. 1,558,761; Oct. 27.
Richardson, Edward E., Maumee, assignor of fifty-one per cent to F. O. Richey, Elyria, Ohio. Weather guard. 1,558,759; Oct. 27.
Richardson, Edward E., Maumee, assignor of fifty-one one-hundredths to F. O. Richey, Elyria, Ohio. No-draft mat and making same. 1,558,760; Oct. 27.
Richey, F. O. (See Richardson, Edward E., assignor.)
Richter, Benjamin, St. Louis, Mo. Instruction device. 1,558,762; Oct. 27.
Ridolf, Joseph W., Savannah, Ga. Spark plug. 1,558,923; Oct. 27.
Riek, Forest O., Rhinelander, Wis. Drawer construction. 1,558,506; Oct. 27.
Riel, Theodorus. (See van Ringelenstein, W. C., and Riel.)
Rigby, Richard. (See Monaghan, E. M., and Rigby.)
Riggs, Arthur N., San Jose, Calif. Fruit-gathering apparatus. 1,558,924; Oct. 27.
Riker, Andrew L., Fairfield, Conn. Ventilator. 1,559,376; Oct. 27.
Riker, Andrew L., Fairfield, Conn. Ventilator. 1,559,377; Oct. 27.
Rimailho, Emile, assignor to Compagnie des Forges & Acieries de la Marine et d'Homecourt, Paris, France. Tuyère with variable output for cannon. 1,559,183; Oct. 27.
Rist, David A. V., New Southgate, London, England. Coil-ignition apparatus for internal-combustion engines. 1,559,457; Oct. 27.
Ritchie, Edward, Astoria, Oreg., assignor to Self Clearing Anchor Company. Anchor. 1,559,006; Oct. 27.
Ritz, Frederick, assignor to The Heller-Aller Company, Napoleon, Ohio. Windmill. 1,559,378; Oct. 27.
Riverview Park Company. (See Wolkenhauer, Gustav, assignor.)
Rizianu, Michael B., Los Angeles, Calif. Automobile cover. 1,559,458; Oct. 27.
Robbins, Charles S., and E. B. Coburn, Worcester, Mass. Snowplow. 1,559,184; Oct. 27.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Gem. Des. 68,596; Oct. 27.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Gem. Des. 68,597; Oct. 27.
Rockford Tool Company. (See Sundstrand, Gustaf D., assignor.)
Rockwell, Albert F., Bristol, Conn., assignor to Marlin-Rockwell Corporation, New York, N. Y. Metal-rolling device. 1,558,633; Oct. 27.
Rockwell, Hugh M., Bristol, assignor, by mesne assignments, to The Marlin Firearms Corporation, New Haven, Conn. Automatic gun. 1,558,566; Oct. 27.
Rockwood Sprinkler Company of Massachusetts. (See Park, Halford W., assignor.)
Roddy, Gustav R., and R. J. Hickman, assignors to Chain Belt Company, Milwaukee, Wis. Endless traveling water screen. 1,559,535; Oct. 27.
Rodriguez, Thomas, Yonkers, N. Y. Shoe. 1,559,379; Oct. 27.
Roe, William C., assignor to Holmes Electric Protective Company, New York, N. Y. Protective covering. 1,559,380; Oct. 27.
Rogers, Charles E., Detroit, Mich. Packaging ice cream. 1,558,634; Oct. 27.
Rogers, Jason, assignor to The Advertisers' Weekly, Inc., New Rochelle, N. Y. Chart holder and finder. 1,559,459; Oct. 27.
Rogers, Lee H., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo. Throttle-rod stuffing box. 1,558,925; Oct. 27.
Ronci, Victor L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,559,280; Oct. 27.
Roneo Limited. (See Barman, Louis M., asignor.)
Rossberg, Arthur L., Portland, Oreg. Angular-adjustable tool holder. 1,558,763; Oct. 27.
Rottgardt, Karl, Dahlem, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Portable power unit. 1,558,926; Oct. 27.
Rou & Davis Engineers, Inc. (See Mills, Bernard, assignor.)
Royal Typewriter Company. (See Hess, E. B., Myers, and Handley, assignors.)
Royal Typewriter Company. (See Myers, Lewis C., assignor.)
Ruben, Samuel, New York, N. Y. Electron tube. 1,559,460; Oct. 27.
Ruben, Samuel, New York, N. Y. Gas and vapor indicating device. 1,559,461; Oct. 27.
Ruhter, William F., Juanita, Nebr. Railway spike. 1,558,764; Oct. 27.
Rundquist, Irene H., Los Angeles, Calif. Statuette. Des. 68,598; Oct. 27.
Rushton, James L., Bolton, England. Drawing mechanism for ring-spinning frames and the like. 1,559,281; Oct. 27.
Russell, Susan V., et al. (See Haskell, Parker B., assignor.)
Rutan, William M., Roosevelt, assignor to Gillis & Geoghegan, Inc., New York, N. Y. Hoisting apparatus. 1,558,635; Oct. 27.
Rutan, William M., Roosevelt, assignor to Gillis & Geoghegan, Inc., New York, N. Y. Hoisting apparatus. 1,558,636; Oct. 27.
Ruthenburg, Louis R., Dayton, Ohio. Lock for steering wheels. 1,558,637; Oct. 27.
Rutledge, William T., Santa Ana, Calif. Hose clamp. 1,559,049; Oct. 27.
Ryan, James W. (See Peck, J. M., Bennett, and Ryan.)
Ryan, Robert M., Minneapolis, Minn. Hydraulic brake. 1,559,462; Oct. 27.
Ryder, Ambrose, New York, N. Y. Tennis racket. 1,558,507; Oct. 27.



Sacchi, Michelangelo, Turin, Italy. Sparking plug. 1,559,463; Oct. 27.
Sachse, Arthur C., Detroit, Mich. Spotlight attachment. 1,559,464; Oct. 27.
Safety Car Heating and Lighting Company, The. (See Turbayne, William A., assignor.)
Safety Equipment Service Company, The. (See Purcell, William F., assignor.)
Sager, Eli E., Seattle, Wash. Mixing device for carbonating apparatus. 1,559,465; Oct. 27.
St. John, Cyrus R., assignor of one-half to R. H. Smith, Richmond, Ind. Lawn clipper. 1,558,568; Oct. 27.
Sakom, Daniel. (See Obersohn, Wachtel, Sakom, and Askenasy.)
Saltzman, Joseph. (See Zeman, Anton, assignor.)
Sams, Charles L., assignor of one-half to H. C. Cilles, jr., Bridgeport, Ohio. Headlight reflector. 1,559,185; Oct. 27.
Sands, Edwin T. (See Birkin, C. W., and Sands.)
Sanford, Henry H., assignor to The New Method Stove Company, Mansfield, Ohio. Gas heater or similar article. Des. 68,599; Oct. 27.
Santos, John B., assignor of one-half to W. Martin, New Bedford, Mass. Stop motion for carding machines. 1,559,282; Oct. 27.
Sargent & Company. (See Shaw, John H., assignor.)
Scarff, Wayland L., Auburn, Wash. Battery separator. 1,558,927; Oct. 27.
Schacht, William A. (See Jacobson, Moses, assignor.)
Schamerlon, Martin J., Fort Wayne, Ind. Fish-line bobber. 1,558,928; Oct. 27.
Schein, Alexander E., New York, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Aircraft landing platform. 1,558,567; Oct. 27.
Schilling, Jacob. (See Kummermehr, C. A., and Schilling.)
Schirmann, William J., Buffalo, N. Y. Automobile signal. 1,559,007; Oct. 27.
Schlegel, Christian C., Long Island City, N. Y. Cover-attaching means. 1,559,283; Oct. 27.
Schlinger, William P., and G. R. Paranteau, Oxnard, Calif. Sucker-rod eleveator. 1,558,638; Oct. 27.
Schmeiser, Theodore G., Davis, Calif. Drawbar. 1,559,008; Oct. 27.
Schmid, Richard K., and W. P. Wesel, Stuttgart, Germany. Apparatus for producing pulsating air pressure. 1,559,284; Oct. 27.
Schmidt, Benjamin F. (See Miller, Elizabeth N., assignor.)
Schmidt, Benjamin F., Los Angeles, Calif. Camera. 1,559,285; Oct. 27.
Schmied, Walther, Egnach-on-the-Bodensee, Switzerland. Rotary machine. 1,558,639; Oct. 27.
Schmutz, Karl, New York, N. Y. Fabricworking implement. 1,558,929; Oct. 27.
Schoebel, Henry, Hempstead Gardens, N. Y. Hook. 1,558,508; Oct. 27.
Schopper, Alfred, Leipzig, Germany. Apparatus for testing the strength of pasteboard, cardboard, and the like. 1,559,466; Oct. 27.
Schuck, Harold P., East Orange, N. J. Fountain glove. 1,558,930; Oct. 27.
Schultz, Herman J., Chicago, Ill. Printing press and like machine. 1,559,051; Oct. 27.
Schussler Tobacco Machine Co., The. (See Schussler, Walter H., assignor.)
Schussler, Walter H., assignor to The Schussler Tobacco Machine Co. Inc., Philadelphia, Pa. Automatic cigar-bunching machine. 1,559,009; Oct. 27.
Schwartz, Oscar D., Hudson, N. Y., assignor, by mesne assignments, to Versare Corporation. Steering mechanism for vehicles. 1,559,050; Oct. 27.
Schweitzer, Theodore, St. Paul, Minn. Dishwasher. 1,558,509; Oct. 27.
Schwieger, George B., Phoenix, Ariz. Motion and direction signal for automobiles. 1,559,010; Oct. 27.
Schworetzky, Gustav, Esslingen-on-the-Neckar, Wurttemberg, Germany. Pressure storage vessel. 1,559,052; Oct. 27.
Scott, John A., Dedham, Mass., assignor to The Sentinel Mfg. Co., New Haven, Conn. Timing mechanism. 1,559,186; Oct. 27.
Seaborne, Allever B., North Finchley, London, England. Priming and regulating device for pumps of the screw, centrifugal, and valveless type. 1,558,640; Oct. 27.
Seaman, David J., and C. F. Sommers, Saginaw, Mich. Carrying cardboard boxes. 1,559,286; Oct. 27.
Sears Roebuck and Co. (See Bohmker, John C., assignor.)
Seavey, Walter H., Kearsarge, N. H. Saw rig. 1,559,467; Oct. 27.
Segar, Bertram A., New York, N. Y., assignor to The Segar Studios Inc. Strip or banding for decorative purposes. Des. 68,600; Oct. 27.
Segar Studios Inc., The. (See Segar, Bertram A., assignor.)
Self Clearing Anchor Company. (See Ritchie, Edward, assignor.)
Sénégas, Jean, New York, N. Y. Supporting auxiliary hair. 1,558,931; Oct. 27.
Seng Company, The. (See Freeman, Abe J., assignor.)
Sengbusch Self-Closing Inkstand Company. (See Spery, Philmore F., assignor.)
Sentinel Mfg. Co., The. (See Scott, John A., assignor.)
Sexauer, John A., New York, N. Y. Stopper link. 1,559,053; Oct. 27.
Sexton, William E., Long Island City, N. Y. Scaffolding construction. 1,559,187; Oct. 27.
Shaler, Clarence A., Waupun, Wis. Burner. 1,558,510; Oct. 27.
Shambow, John C., assignor to Shambow Shuttle Company, Woonsocket, R. I. Drop-box loom. 1,559,287; Oct. 27.
Shambow Shuttle Company. (See Shambow, John C., assignor.)
Shara, William, Brooklyn, N. Y. Safety locking device for automobiles. 1,558,932; Oct. 27.
Sharples Specialty Company, The. (See Jones, Leo D., assignor.)
Shartle Brothers Machine Company, The. (See Shartle, Charles W., assignor.)
Shartle, Charles W., assignor to The Shartle Brothers Machine Company, Middletown, Ohio. Paper drier. 1,559,188; Oct. 27.
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Gear-shift-lever lock. 1,559,189; Oct. 27.
Shealy, George R., and J. K. Derrick, Little Mountain, S. C. Holder. 1,559,288; Oct. 27.
Shearn, Robert S. (See Kennington, R., and Shearn.)
Shepard-Thomason Co. (See Thomason, Hjalmar, assignor.)
Shepherd, Frank D., Salt Lake City, Utah. Internal-combustion engine. 1,558,933; Oct. 27.
Sherman, Curtis F., assignor to The Henry & Wright Manufacturing Company, Hartford, Conn. Drill press. 1,559,190; Oct. 27.
Sherrill, Hugh, Magnolia, Ark. Hawk caller. 1,558,934; Oct. 27.
Short, Ruel I., Los Angeles, Calif. Rear-view mirror. 1,558,641; Oct. 27.
Sibley, Robert L., Roselle Park, N. J., assignor to Standard Development Company. Coating compound, mold, and method of preparing molds and surfaces involved in molding operations. 1,559,289; Oct. 27.
Sibson & Stern, Inc. (See Currie, James G., assignor.)
Silver and Morgenstern Electric Company, The. (See Morgenstern, J., and Raquette, assignors.)
Simmons, Frederick C., Highland Park, Pa., assignor to Pioneer Suspender Company. Belt. 1,559,291; Oct. 27.
Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-making machinery. 1,558,765; Oct. 27.
Simon, Frederick, Woodmere, N. Y. Safety razor. 1,558,935; Oct. 27.
Simonovits, Benjamin, and J. Fischer, New York, N. Y. Lock. 1,559,290; Oct. 27.
Simons, Venning D., Chicago, Ill. Electrical control for paper machines. 1,558,936; Oct. 27.
Simpson, Christine M. (See Waterbor, Elmer F., assignor.)
Sinclair Refining Company. (See Isom, E. W., and Bell, assignors.)
Sipe, Curtis A., York, Pa. Shaving soap. 1,558,642; Oct. 27.
Skinner, Perry R., Amsterdam, N. Y. Dental tool. 1,559,011; Oct. 27.
Skoglund, Jean V., New York, N. Y. Manufacturing sulphuric acid. 1,559,292; Oct. 27.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. 1,558,937; Oct. 27.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical apparatus. 1,558,938; Oct. 27.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Locomotive equalizer. 1,559,130; Oct. 27.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Locomotive. 1,559,131; Oct. 27.
Smith, Alva T., Winsted, assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Waffle iron. 1,559,012; Oct. 27.
Smith, Arthur B., Evanston, assignor to Automatic Electric Company, Chicago, Ill. Telephone transmitter. 1,558,643; Oct. 27.
Smith, Arthur W., assignor of one-half to W. W. Varney, Baltimore, Md. Manufacture of prepared charcoal. 1,559,054; Oct. 27.
Smith, Chester H., Pittsburg, Kans. Headlamp device. 1,559,191; Oct. 27.
Smith, Edward N. (See Luke, James A., assignor.)
Smith, Eggleston, Mamaroneck, N. Y., assignor to Eggleston Drilling Corporation, Dover, Del. Feeding-pressure regulator for earth-boring bits. 1,558,511; Oct. 27.
Smith, Frank S., Los Angeles, Calif. Golf playing apparatus. 1,558,766; Oct. 27.
Smith, Frank S., Los Angeles, Calif. Golf apparatus. 1,558,767; Oct. 27.
Smith, George, Islington, London, England. Combined sole and heel for footwear. 1,559,532; Oct. 27.
Smith, Herman R., Brooklyn, N. Y., and A. E. Twist, Clifton, N. J., assignors to Raymond Concrete Pile Company, New York, N. Y. Composite pile. 1,558,939; Oct. 27.
Smith, Logan, et al. (See Abbott, William E., assignor.)
Smith, Ora E., Salem, Ill. Container. 1,559,013; Oct. 27.
Smith, Raymond H. (See St. John, Cyrus R., assignor.)
Smith, Robert C., Cleveland, Ohio, assignor to The Cleveland Trust Company. Comb. 1,559,055; Oct. 27.

Smith, Sheffield, North Providence, R. I. Automobile bumper. 1,559,293; Oct. 27.
Smith, Theodore L., jr., assignor to The Caille Brothers Company, Detroit, Mich. Scale. 1,558,644; Oct. 27.
Smokador Manufacturing Co. (See Fleming, Robert G., assignor.)
Smola, Ferdinand, Omaha, Nebr. Making a frozen confection. 1,558,940; Oct. 27.
Smyth, David G., Hartford, Conn. Apparatus for demonstrating gravity acceleration. 1,559,192; Oct. 27.
Snyder, W. Earl, assignor to The Edna Brass Manufacturing Company, Cincinnati, Ohio. Lubricator. 1,558,512; Oct. 27.
Snyder, William R., Philadelphia, Pa. Tile-making machine. 1,559,014; Oct. 27.
Société d'Études Chimiques pour l'Industrie. (See Breslauer, J., and Darier, assignors.)
Société Industrielle des Procédés, W. A. Loth. (See Loth, William A., assignor.)
Solar-Sturges Manufacturing Company. (See Sturges, Lee, assignor.)
Sommers, Charles F. (See Seaman, D. J., and Sommers.)
Souder, Wilmer, Salem, Ind. Device for ruling graduated scales. 1,558,513; Oct. 27.
Sowden, Charles N., Toronto, Canada. Slicing machine. 1,559,468; Oct. 27.
Spankus, Harry O., Milwaukee, Wis. Handkerchief case. Des. 68,601; Oct. 27.
Spase, Charles B., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Equalizing clutch. 1,559,527; Oct. 27.
Spencer, William H., Bogota, N. J., assignor to I. P. Frink Inc., New York, N. Y. Reflector. Des. 68,602; Oct. 27.
Sperry, Elmer A., Brooklyn, N. Y. Multiple gyro ship stabilizer. 1,558,514; Oct. 27.
Sperry Gyroscope Company, The. (See Schein, Alexander E., assignor.)
Sperry Gyroscope Company, The. (See Thompson, Herbert H., assignor.)
Sperry, Philmore F., Chicago, Ill., assignor to Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Ink pad. 1,559,294; Oct. 27.
Staib-Abendschein Company, The. (See Abendschein, George F., assignor.)
Stambaugh, Harry R., Fostoria, Ohio. Automatic gas cut-off. 1,559,469; Oct. 27.
Standard Development Company. (See Sibley, Robert L., assignor.)
Standard Steel Car Company. (See Anderson, Harry T., assignor.)
Standard Steel Car Company. (See Anderson H. T., and Christianson, assignors.)
Stanley Works, The. (See Boardman, Ralph H., assignor.)
Stanley Works, The. (See Prinkle, Frank P., assignor.)
Starr, Carroll H., et al. (See Cheney, Ray F., assignor.)
Stavrum, Maurice W., R. L. Olson, and W. H. Berry, Chicago, Ill. Folding loop antenna. 1,559,193; Oct. 27.
Steel Wheel Corporation, The. (See Bellamore, David H., assignor.)
Steele, Lawrence H., Vaughn, assignor of one-half to J. W. Guinn, La Grange, Ga. Combined automobile signaling and advertising device. 1,559,194; Oct. 27.
Stegman, Joseph G., Pfeifer, Kans. Keyless lock. 1,558,941; Oct. 27.
Stein, John A. (See Klein, M., and Stein.)
Stein, Louis H., assignor to Stromberg Motor Devices Company, Chicago, Ill. Machine for soldering. 1,559,195; Oct. 27.
Steiner, Frank M., and W. S. Graves, Minneapolis, Minn., assignors to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. Des. 68,603; Oct. 27.
Steiner Sales Company. (See Steiner, F. M., and Graves, assignors.)
Steinmetz, Joseph A., Philadelphia, Pa. Safeguarding against aerial attacks. 1,558,713; Oct. 27.
Stephens-Adamson Mfg. Co. (See McMullin, Roy A., assignor.)
Stephens, Samuel, Drumheller, Alberta, Canada. Ornamental lens. Des. 68,604; Oct. 27.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Working tool for percussive machines. 1,559,056; Oct. 27.
Stevens, George H., Newark, N. J. Vulcanizing rubber. 1,559,196; Oct. 27.
Stevens, George H., Newark, N. J. Vulcanizing rubber. 1,559,197; Oct. 27.
Stevens, George H., Newark, N. J. Vulcanizing rubber. 1,559,198; Oct. 27.
Stewart, Alexander W., Glasgow, Scotland. Ventilation system. 1,559,057; Oct. 27.
Stewart, Jonathan P., Alhambra, Calif. Device for facilitating the coiling of hose and the like. 1,559,470; Oct. 27.
Stock Quotation Telegraph Company. (See Hiltz, George S., assignor.)
Stroller, Hugh M., assignor to Western Electric Company, Incorporated, New York, N. Y. Frequency converter. 1,559,205; Oct. 27.
Stoody, Winston E., Whittier, Calif. Welding rod. 1,559,015; Oct. 27.
Stout, William B., assignor to Packard Motor Car Company, Detroit, Mich. Airplane. 1,558,942; Oct. 27.
Stovall, Smith L., Kerto, assignor to C. A. Gibson and J. F. Gibson, jr., Visalia, Calif. Method of and tank for storing oil. 1,559,016; Oct. 27.
Straight, Halver R., Adel, Iowa. Mechanism for handling tile-bearing pallets. 1,559,199; Oct. 27.
Straight, Halver H., Adel, Iowa. Pallet-feeding mechanism. 1,559,200; Oct. 27.
Strasser, Albert, Rorschach, Switzerland. Lead electrode for accumulators. 1,559,471; Oct. 27.
Stratford, Herbert R., assignor to The Stratmore Company, Cleveland, Ohio. Surfacing. 1,558,714; Oct. 27.
Stratmore Company, The. (See Stratford, Herbert R., assignor.)
Strauss, Leopold, assignor to Optical Products Corporation, New York, N. Y. Attachment for ophthalmic mountings. 1,558,715; Oct. 27.
Stromberg-Carlson Telephone Manufacturing Company. (See Powell, Winfred T., assignor.)
Stromberg Motor Devices Company. (See Stein, Louis H., assignor.)
Stub, Hans, Oslo, Norway. Centrifugal screen. 1,559,528; Oct. 27.
Studebaker Corporation, The. (See Hunt, George, assignor.)
Stukenborg Corporation. (See Stukenborg, Louis C., assignor.)
Stukenborg Corporation. (See Stukenborg, L. C., and Handy, assignors.)
Stukenborg, Louis C., Chicago, Ill., assignor, by mesne assignments, to Stukenborg Corporation, Wilmington, Del. Cotton picker. 1,558,716; Oct. 27.
Stukenborg, Louis C., Chicago, Ill., assignor, by mesne assignments, to Stukenborg Corporation, Wilmington, Del. Cotton-picker mechanism. 1,558,718; Oct. 27.
Stukenborg, Louis C., and G. H. Handy, Chicago, Ill., assignors, by mesne assignments, to Stukenborg Corporation, Wilmington, Del. Cotton picker. 1,558,717; Oct. 27.
Stump, Horace E. (See Loomis, C. C., and Stump.)
Sturges, Lee, Elmhust, Ill., assignor to Solas-Sturges Manufacturing Company. Ice-cream can. 1,558,768; Oct. 27.
Sturtevant, Harold E., assignor to The Whitney Mfg. Co., Hartford, Conn. Chain and parts therefor. 1,558,719; Oct. 27.
Subers, Horace K., Ashbourne, Pa. Game. 1,559,472; Oct. 27.
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sundstrand, Gustaf D., assignor to Rockford Tool Company, Rockford, Ill. Rear tool. 1,559,296; Oct. 27.
Superheater Company, The. (See Broido, Benjamin, assignor.)
Suydam, Frank D., jr., Toledo, Ohio. Vehicle body. 1,559,529; Oct. 27.
Svendsen, Robert T. (See Chandler, D. G., and Svendsen.)
Svenska Aktiebolaget Gasaccumulator. (See Dalén, Gustaf, assignor.)
Swanson, Lambert A., Superior, Wis. Rail planer. 1,558,943; Oct. 27.
Swoboda, Adolph R., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-bulb device. 1,559,381; Oct. 27.
Tams, William H., Trenton, N. J. Plate or like article. Des. 68,605; Oct. 27.
Tank, Ervin H. (See Canute, R. B., and Tank.)
Taunton Pearl Works, Inc. (See Ormsbee, Willard A., assignor.)
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Taylor, James H. (See Hill, G. C., and Taylor.)
Technicolor Motion Picture Corporation. (See Andrews, Jarvis M., assignor.)
Tedford, Joshua, Chicago, Ill. Pressing machine. 1,558,946; Oct. 27.
Teeple, Alfred A., South Plainfield, N. J. Lock nut. 1,559,201; Oct. 27.
Teetor Company. (See Teetor, Martin, assignor.)
Teetor, Daniel C., Indianapolis, Ind. Piston mechanism. 1,558,515; Oct. 27.
Teetor, Martin, assignor to Teetor Company, Des Moines, Iowa. Calculating machine. 1,558,947; Oct. 27.
Teichmüller, Emil, New York, N. Y. Cigar holder. 1,558,948; Oct. 27.
Tepfer, Harry, Brooklyn, assignor to Apex Chandelier Co., Inc., New York, N. Y. Base for lighting fixtures. Des. 68,606; Oct. 27.
Terhorst, Harvey, Donnybrook, N. Dak. Windmill. 1,558,645; Oct. 27.
Ternstedt Manufacturing Co. (See Archer, Thomas P., assignor.)





Teruya, Jenshiro, Coney Island, Brooklyn, N. Y. Amusement apparatus. 1,559,474; Oct. 27.
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Thalhofer, Walter, Vienna, Austria, assignor to A. G. für Chemische Industrie in Liechtenstein, Schaan, Liechtenstein. Protection of metallic surfaces against incrustation and corrosion. 1,558,647; Oct. 27.
Thatcher, Linden A., Belleville, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling machine. 1,559,058; Oct. 27.
Thoma, Meinrad, Zurich, Switzerland. Carding engine. 1,559,475; Oct. 27.
Thomas, Louis A., Los Angeles, Calif. Window construction. 1,558,648; Oct. 27.
Thomas, Theodore E., Baltimore, assignor to Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 68,607; Oct. 27.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electro-pneumatic brake. 1,558,649; Oct. 27.
Thomason, Hjalmar, assignor to Shepard-Thomason Co., Los Angeles, Calif. Combined piston-aligning and bearing-fitting fixture. 1,559,202; Oct. 27.
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Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Process of and apparatus for purifying fusions. 1,559,203; Oct. 27.
Thomson, Henry, Waverley, near Sydney, New South Wales, Australia. Pneumatic action of mechanical players for musical instruments. 1,558,723; Oct. 27.
Thorel, Jean, Louviers, France. Orienting automobile headlamps. 1,559,204; Oct. 27.
Thornton, Ernest A., Valentine, Nebr. Pipe cleaner. 1,558,652; Oct. 27.
Thornycroft, John I., Bembridge, Isle of Wight, England. Holding means for doors and the like. 1,558,724; Oct. 27.
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Timmons Radio Products Corporation. (See Timmons, John S., assignor.)
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Tschudy Spinning Corporation. (See Tschudy, Henry, assignor.)
Tunis, Harold B., and M. P. Geene, Passaic, N. J. Folding reel. 1,559,183; Oct. 27.
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Turmes, John. (See McGinley, James E., assignor.)
Turner, Charles L., Jersey City, N. J. Electric switch. 1,559,512; Oct. 27.
Twist, Albert E. (See Smith, H. R., and Twist.)
Uhl, Fred F., and H. J., Bartlesville, Okla. Oil burner. 1,558,519; Oct. 27.
Uhl, Heber J. (See Uhl, Fred F. and H. J.)
Uhler, Jackson R., Tatamy, Pa. Cylindrical-glass-cutter holder. 1,559,477; Oct. 27.
Ulman, Rosanna D., assignor to International Corset Company, Aurora, Ill. Corset. 1,558,950; Oct. 27.
Umber, Heinrich, assignor to J. A. von Willing, Berlin, Germany. Making a calcium preparation. 1,559,478; Oct. 27.
Underwood Typewriter Company. (See Thatcher, Linden A., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Unger, Ernest G., New York, N. Y. Clip for securing hair to wavers. 1,558,951; Oct. 27.
Union Steel Products Company. (See Bitney, Dewey H., assignor.)
Union Switch & Signal Company, The. (See Beall, Charles R., assignor.)
Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
United Shoe Machinery Corporation. (See Balcom, Frederick J., assignor.)
United Shoe Machinery Corporation. (See Hudson, Albert E., assignor.)
United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)
United Shoe Machinery Corporation. (See McFeely, Ronald F., assignor.)
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United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)
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United Shoe Machinery Corporation. (See Varney, Everett W., assignor.)
United States Gypsum Company. (See Birdsey, Charles R., assignor.)
United States Gypsum Company. (See Utzman, Clarence W., assignor.)
United States Register Company. (See Truax, William T., assignor.)
United Verde Extension Mining Company. (See Church, John A., jr., assignor.)
United Verde Extension Mining Company. (See Prince, G. W., and Douglas, assignors.)
Universal Draft Gear Attachment Co. (See Camp, Percy B., assignor.)
Universal Draft Gear Attachment Company. (See Clegg, William H., assignor.)
Universal Oil Products Company. (See Egloff, G., and Benner, assignors.)
Universal Oil Products Company. (See Egloff, G., and Morrell, assignors.)
"Universelle" Cigarettenmaschinen-Fabrik, J. C. Muller & Co. (See Hohn, Paul M. E., assignor.)
Untermeyer Robbins & Co. (See Robbins, Meyer L., assignor.)
Upham, Frank A., Oelwein, Iowa. Window staging. 1,558,725; Oct. 27.
Ushatch, Peter, New York, N. Y. Ceiling-washing apparatus. 1,559,479; Oct. 27.
Utica Valve & Fixture Company. (See Harris, George H., assignor.)
Utzman, Clarence W., assignor to United States Gypsum Company, Chicago, Ill. Wall construction. 1,559,134; Oct. 27.
Valdespino, Albert S. (See Fairbairn, T. M., Valdespino, and McCart.)
Valentine, Thomas F., Catawba, W. Va. Gauge. 1,559,386; Oct. 27.
Vanderbilt, R. T., Co. (See Molony, Stuart B., assignor.)
Van Heusen, John M., Boston, Mass., assignor to Van Heusen Products, Inc. Collar. 1,558,726; Oct. 27.
Van Heusen Products, Inc. (See Van Heusen, John M., assignor.)
Van Heusen Products, Inc. See Phillips, Isaac L., assignor.)
Van Inwagen, Charles L., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier system. 1,558,952; Oct. 27.
Van Norman, Frederick D., Springfield, Mass. Grinding machine. 1,559,206; Oct. 27.
Van Ringelenstein, Willem C. and T. Riel, The Hague, Netherlands. Apparatus for delivering measured quantities of liquid. 1,559,207; Oct. 27.
Van Vulpen, John. (See Parks, P. B., and Van Vulpen.)
Vapor Car Heating Company. (See Parks, P. B., and Van Vulpen, assignors.)
Variety Fire Door Company. (See Gervais, Wainwright B., assignor.)
Varney, Everett W., Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,558,520; Oct. 27.
Varney, William W. (See Smith, Arthur W., assignor.)
Vellette, Alfred, Attleboro, Mass., assignor to James C. Dorgan & Sons, Providence, R. I. Safety catch. 1,559,480; Oct. 27.

Smith, Sheffield, North Providence, R. I. Automobile bumper. 1,559,293; Oct. 27.
Smith, Theodore L., jr., assignor to The Caille Brothers Company, Detroit, Mich. Scale. 1,558,644; Oct. 27.
Smokador Manufacturing Co. (See Fleming, Robert G., assignor.)
Smola, Ferdinand, Omaha, Nebr. Making a frozen confection. 1,558,940; Oct. 27.
Smyth, David G., Hartford, Conn. Apparatus for demonstrating gravity acceleration. 1,559,192; Oct. 27.
Snyder, W Earl, assignor to The Edna Brass Manufacturing Company, Cincinnati, Ohio. Lubricator. 1,558,512; Oct. 27.
Snyder, William R., Philadelphia, Pa. Tile-making machine. 1,559,014; Oct. 27.
Société d'Études Chimiques pour l'Industrie. (See Breslauer, J., and Darier, assignors.)
Société Industrielle des Procédés, W. A. Loth. (See Loth, William A., assignor.)
Solar-Sturges Manufacturing Company. (See Sturges, Lee, assignor.)
Sommers, Charles F. (See Seaman, D. J., and Sommers.)
Souder, Wilmer, Salem, Ind. Device for ruling graduated scales. 1,558,513; Oct. 27.
Sowden, Charles N., Toronto, Canada. Slicing machine. 1,559,468; Oct. 27.
Spankus, Harry O., Milwaukee, Wis. Handkerchief case. Des. 68,601; Oct. 27.
Spase, Charles B., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Equalizing clutch. 1,559,527; Oct. 27.
Spencer, William H., Bogota, N. J., assignor to I. P. Frink Inc., New York, N. Y. Reflector. Des. 68,602; Oct. 27.
Sperry, Elmer A., Brooklyn, N. Y. Multiple gyro ship stabilizer. 1,558,514; Oct. 27.
Sperry Gyroscope Company, The. (See Schein, Alexander E., assignor.)
Sperry Gyroscope Company, The. (See Thompson, Herbert H., assignor.)
Spery, Philmore F., Chicago, Ill., assignor to Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Ink pad. 1,559,294; Oct. 27.
Staib-Abendschein Company, The. (See Abendschein, George F., assignor.)
Stambaugh, Harry R., Fostoria, Ohio. Automatic gas cut-off. 1,559,469; Oct. 27.
Standard Development Company. (See Sibley, Robert L., assignor.)
Standard Steel Car Company. (See Anderson, Harry T., assignor.)
Standard Steel Car Company. (See Anderson H. T., and Christianson, assignors.)
Stanley Works, The. (See Boardman, Ralph H., assignor.)
Stanley Works, The. (See Prinkle, Frank P., assignor.)
Starr, Carroll H., et al. (See Cheney, Ray F., assignor.)
Stavrum, Maurice W., R. L. Olson, and W. H. Berry, Chicago, Ill. Folding loop antenna. 1,559,193; Oct. 27.
Steel Wheel Corporation, The. (See Bellamore, David H., assignor.)
Steele, Lawrence H., Vaughn, assignor of one-half to J. W. Guinn, La Grange, Ga. Combined automobile signaling and advertising device. 1,559,194; Oct. 27.
Stegman, Joseph G., Pfeifer, Kans. Keyless lock. 1,558,941; Oct. 27.
Stein, John A. (See Klein, M., and Stein.)
Stein, Louis H., assignor to Stromberg Motor Devices Company, Chicago, Ill. Machine for soldering. 1,559,195; Oct. 27.
Steiner, Frank M., and W. S. Graves, Minneapolis, Minn., assignors to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. Des. 68,603; Oct. 27.
Steiner Sales Company. (See Steiner, F. M., and Graves, assignors.)
Steinmetz, Joseph A., Philadelphia, Pa. Safeguarding against aerial attacks. 1,558,718; Oct. 27.
Stephens-Adamson Mfg. Co. (See McMullin, Roy A., assignor.)
Stephens, Samuel, Drumheller, Alberta, Canada. Ornamental lens. Des. 68,604; Oct. 27.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Working tool for percussive machines. 1,559,036; Oct. 27.
Stevens, George H., Newark, N. J. Vulcanizing rubber. 1,559,196; Oct. 27.
Stevens, George H., Newark, N. J. Vulcanizing rubber. 1,559,197; Oct. 27.
Stevens, George H., Newark, N. J. Vulcanizing rubber. 1,559,198; Oct. 27.
Stewart, Alexander W., Glasgow, Scotland. Ventilation system. 1,559,057; Oct. 27.
Stewart, Jonathan P., Alhambra, Calif. Device for facilitating the coiling of hose and the like. 1,559,470; Oct. 27.
Stock Quotation Telegraph Company. (See Hiltz, George S., assignor.)
Stroller, Hugh M., assignor to Western Electric Company, Incorporated, New York, N. Y. Frequency converter. 1,559,295; Oct. 27.
Stoody, Winston F., Whittier, Calif. Welding rod. 1,559,015; Oct. 27.
Stout, William B., assignor to Packard Motor Car Company, Detroit, Mich. Airplane. 1,558,942; Oct. 27.
Stovall, Smith L., Kerto, assignor to C. A. Gibson and J. F. Gibson, jr., Visalia, Calif. Method of and tank for storing oil. 1,559,016; Oct. 27.
Straight, Halver R., Adel, Iowa. Mechanism for handling tile-bearing pallets. 1,559,199; Oct. 27.
Straight, Halver H., Adel, Iowa. Pallet-feeding mechanism. 1,559,200; Oct. 27.
Strasser, Albert, Rorschach, Switzerland. Lead electrode for accumulators. 1,559,471; Oct. 27.
Stratford, Herbert R., assignor to The Stratmore Company, Cleveland, Ohio. Surfacing. 1,558,714; Oct. 27.
Stratmore Company, The. (See Stratford, Herbert R., assignor.)
Strauss, Leopold, assignor to Optical Products Corporation, New York, N. Y. Attachment for ophthalmic mountings. 1,558,715; Oct. 27.
Stromberg-Carlson Telephone Manufacturing Company. (See Powell, Winfred T., assignor.)
Stromberg Motor Devices Company. (See Stein, Louis H., assignor.)
Stub, Hans, Oslo, Norway. Centrifugal screen. 1,559,528; Oct. 27.
Studebaker Corporation, The. (See Hunt, George, assignor.)
Stukenborg Corporation. (See Stukenborg, Louis C., assignor.)
Stukenborg Corporation. (See Stukenborg, L. C., and Handy, assignors.)
Stukenborg, Louis C., Chicago, Ill., assignor, by mesne assignments, to Stukenborg Corporation, Wilmington, Del. Cotton picker. 1,558,716; Oct. 27.
Stukenborg, Louis C., Chicago, Ill., assignor, by mesne assignments, to Stukenborg Corporation, Wilmington, Del. Cotton-picker mechanism. 1,558,718; Oct. 27.
Stukenborg, Louis C., and G. H. Handy, Chicago, Ill., assignors, by mesne assignments, to Stukenborg Corporation, Wilmington, Del. Cotton picker. 1,558,717; Oct. 27.
Stump, Horace E. (See Loomis, C. C., and Stump.)
Sturges, Lee, Elmhust, Ill., assignor to Solas-Sturges Manufacturing Company. Ice-cream can. 1,558,768; Oct. 27.
Sturtevant, Harold E., assignor to The Whitney Mfg. Co., Hartford, Conn. Chain and parts therefor. 1,558,719; Oct. 27.
Subers, Horace K., Ashbourne, Pa. Game. 1,559,472; Oct. 27.
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Uhler, Jackson R., Tatamy, Pa. Cylindrical-glass-cutter holder. 1,559,477; Oct. 27.
Ulman, Rosanna D., assignor to International Corset Company, Aurora, Ill. Corset. 1,558,950; Oct. 27.
Umber, Heinrich, assignor to J. A. von Wilding, Berlin, Germany. Making a calcium preparation. 1,559,478; Oct. 27.
Underwood Typewriter Company. (See Thatcher, Linden A., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Unger, Ernest G., New York, N. Y. Clip for securing hair to wavers. 1,558,951; Oct. 27.
Union Steel Products Company. (See Bitney, Dewey H., assignor.)
Union Switch & Signal Company, The. (See Beall, Charles R., assignor.)
Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
United Shoe Machinery Corporation. (See Balcom, Frederick J., assignor.)
United Shoe Machinery Corporation. (See Hudson, Albert E., assignor.)
United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)
United Shoe Machinery Corporation. (See McFeely, Ronald E., assignor.)
United Shoe Machinery Corporation. (See Pope, Joseph H., assignor.)
United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)
United Shoe Machinery Corporation. (See Thompson, Frank H., assignor.)
United Shoe Machinery Corporation. (See Varney, Everett W., assignor.)
United States Gypsum Company. (See Birdsey, Charles R., assignor.)
United States Gypsum Company. (See Utzman, Clarence W., assignor.)
United States Register Company. (See Truax, William T., assignor.)
United Verde Extension Mining Company. (See Church, John A., jr., assignor.)
United Verde Extension Mining Company. (See Prince, G. W., and Douglas, assignors.)
Universal Draft Gear Attachment Co. (See Camp, Percy B., assignor.)
Universal Draft Gear Attachment Company. (See Clegg, William H., assignor.)
Universal Oil Products Company. (See Egloff, G., and Benner, assignors.)
Universal Oil Products Company. (See Egloff, G., and Morrell, assignors.)
"Universelle" Cigarettenmaschinen-Fabrik, J. C. Muller & Co. (See Hohn, Paul M. E., assignor.)
Untermeyer Robbins & Co. (See Robbins, Meyer L., assignor.)
Upham, Frank A., Oelwein, Iowa. Window staging. 1,558,725; Oct. 27.
Ushatch, Peter, New York, N. Y. Ceiling-washing apparatus. 1,559,479; Oct. 27.
Utica Valve & Fixture Company. (See Harris, George H., assignor.)
Utzman, Clarence W., assignor to United States Gypsum Company, Chicago, Ill. Wall construction. 1,559,134; Oct. 27.
Valdespino, Albert S. (See Fairbairn, T. M., Valdespino, and McCart.)
Valentine, Thomas F., Catawba, W. Va. Gauze. 1,559,386; Oct. 27.
Vanderbilt, R. T., Co. (See Molony, Stuart B., assignor.)
Van Heusen, John M., Boston, Mass., assignor to Van Heusen Products, Inc. Collar. 1,558,726; Oct. 27.
Van Heusen Products, Inc. (See Van Heusen, John M., assignor.)
Van Heusen Products, Inc. See Phillips, Isaac L., assignor.)
Van Inwagen, Charles L., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier system. 1,558,952; Oct. 27.
Van Norman, Frederick D., Springfield, Mass. Grinding machine. 1,559,206; Oct. 27.
Van Ringelenstein, Willem C. and T. Riel, The Hague, Netherlands. Apparatus for delivering measured quantities of liquid. 1,559,207; Oct. 27.
Van Vulpen, John. (See Parks, P. B., and Van Vulpen.)
Vapor Car Heating Company. (See Parks, P. B., and Van Vulpen, assignors.)
Variety Fire Door Company. (See Gervais, Wainwright B., assignor.)
Varney, Everett W., Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,558,520; Oct. 27.
Varney, William W. (See Smith, Arthur W., assignor.)
Vellette, Alfred, Attleboro, Mass., assignor to James C. Dornan & Sons, Providence, R. I. Safety catch. 1,559,480; Oct. 27.

Vergano, Lui C., Berkeley, Calif. Double ratchet for roller skates. 1,559,208; Oct. 27.
Versare Corporation. (See Schvartz, Oscar D., assignor.)
Visser, William, Lovilia, Iowa. Horse collar. 1,559,209; Oct. 27.
Voigt & Haeffner, Aktiengesellschaft. (See Bär, R. T., and Bölte, assignors.)
Von Nostitz, Erich, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telephone-Exchange System. 1,558,521; Oct. 27.
Von Wülfing, Johann A. (See Umber, Heinrich, assignor.)
Voorhees, Lee J., New York, N. Y., assignor to National Carbon Company, Inc. Flash light. 1,559,481; Oct. 27.
Wachtel, Wilhelm. (See Obersohn, A., Wachtel, Sakom, and Askenasy.)
Wachtman, John B., Conway, S. C. Windshield wiper. 1,559,482; Oct. 27.
Wagner, John O., Chicago, Ill. Screen frame and shoe for supporting the same. 1,558,727; Oct. 27.
Wagner, John O., Chicago, Ill. Car-window screen. 1,558,728; Oct. 27.
Wahl, Leo J., Sterling, Ill. Clipper. 1,558,729; Oct. 27.
Waite, Fred, Otley, England. Feed mechanism for printing machines. 1,559,387; Oct. 27.
Walden Knife Company. (See Henry, Ferdinand G., assignor.)
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,558,654; Oct. 27.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,558,953; Oct. 27.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,559,135; Oct. 27.
Walker, Archie E., Portland, Oreg. Casement window. 1,558,954; Oct. 27.
Walker, Edward, Grantwood, N. J. Feeder for clothes wringers. 1,559,388; Oct. 27.
Walker, John B., Mount Falcon, Colo. Automatic road crowner. 1,558,655; Oct. 27.
Waller, Alfred E., Bronxville, N. Y., assignor to Ward Leonard Electric Company. Apparatus for controlling electric circuits. 1,559,389; Oct. 27.
Waller, Fred, New York, N. Y. Aquaplane. 1,559,390; Oct. 27.
Walpole, George S., London, England. Alignment bar and type protector for use in embossing machines. 1,559,136; Oct. 27.
Ward, Albert C., assignor to The W. S. George Pottery Company, Canonsburg, Pa. Bat-forming machine. 1,559,513; Oct. 27.
Ward Leonard Electric Company. (See Waller, Alfred E., assignor.)
Waring, Olaf L., assignor to American Druggists Syndicate, Long Island City, N. Y. Tooth-cleaning device. 1,559,523; Oct. 27.
Washburne, James V., Syracuse, N. Y. Envelope-opening machine. 1,559,020; Oct. 27.
Waterbor, Elmer F., assignor to C. M. Simpson, Detroit, Mich. Cast-wheel construction. 1,558,656; Oct. 27.
Waters, Frederick, Lyons Falls, N. Y. Automobile lifting device. 1,559,391; Oct. 27.
Watbey, Arthur, Cleveland, Ohio. Stoker cylinder. Re16,192; Oct. 27.
Watkins, Finnis N., Picher, Okla. Automatically-set animal trap. 1,559,483; Oct. 27.
Watrous, Earl G., Chicago, Ill. Liquid-soap pump. 1,559,484; Oct. 27.
Watson, Sherman L., A. W. Beckstrom, and V. Gronberg, assignors to Art Metal Construction Company, Jamestown, N. Y. Lock. 1,558,522; Oct. 27.
Webster Electric Company. (See Hawkins, William W., assignor.)
Webster, Harry G., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone-exchange system. 1,559,137; Oct. 27.
Webster, Harry G., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Automatic telephone system. 1,559,138; Oct. 27.
Weed, Gustavus R., et al. (See Klump, William, assignor.)
Weed, John W., et al. (See Klump, William, assignor.)
Weinberg, Fred, Schenectady, N. Y. Toy. 1,558,730; Oct. 27.
Weiler, Theodore, Medical Lake, Wash. Tie plate. 1,559,021; Oct. 27.
Welch, Clarence R., Denver, Colo. Safety device for hoists. 1,558,935; Oct. 27.
Wemple, Wellington S. (See Floyd, John E., assignor.)
Wensley, Roy J., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermostat. 1,559,022; Oct. 27.
Wesley, Charles A., executor. (See Gilchrist, John E., assignor.)
West, Augustus A., assignor to Magic Hair Curler Company, Philadelphia, Pa. Hair curler. 1,558,523; Oct. 27.
West, Hazael E., Washington, D. C. Typewriter line guide. 1,559,485; Oct. 27.
West Hazael E., Washington, D. C. Paper guide for typewriters. 1,559,486; Oct. 27.
Western Electric Company. (See Albert, Walter P., assignor.)
Western Electric Company. (See Baker, Clarence I., assignor.)
Western Electric Company. (See Beck, William O., assignor.)
Western Electric Company. (See Beebe, Murray C., assignor.)
Western Electric Company. (See Brough, William R., assignor.)
Western Electric Company. (See Carpenter, Warren W., assignor.)
Western Electric Company. (See Field, Joseph C., assignor.)
Western Electric Company. (See Gibson, Earl S., assignor.)
Western Electric Company. (See Gilson, Albert F. F., assignor.)
Western Electric Company. (See Hampton, Leon N., assignor.)
Western Electric Company. (See Harper, Robert W., assignor.)
Western Electric Company. (See Helwig, Eugene C., assignor.)
Western Electric Company. (See Hocker, Carl D., assignor.)
Western Electric Company. (See Honskeeper, William G., assignor.)
Western Electric Company. (See Jewett, Frank B., assignor.)
Western Electric Company. (See Kochendorfer, Frederic S., assignor.)
Western Electric Company. (See Marrison, Warren A., assignor.)
Western Electric Company. (See Matthies, W. H., and Albert, assignors.)
Western Electric Company. (See Mills, Percy E., assignor.)
Western Electric Company. (See Nichols, Harold W., assignor.)
Western Electric Company. (See Powell, Winfred T., assignor.)
Western Electric Company. (See Ronci, Victor L., assignor.)
Western Electric Company. (See Stoller, Hugh M., assignor.)
Western Electric Company. (See Swowboda, Adolph R., assignor.)
Western Electric Company. (See Taylor, Herbert B., assignor.)
Western Electric Company. (See Van Inwagen, Charles L., assignor.)
Western Electric Company. (See Young, Charles R., assignor.)
Western Industries Company. (See Crowell, R. B., and Breckenridge, assignors.)
Western Union Telegraph Company, The. (See Baker, William T., assignor.)
Western Union Telegraph Company, The. (See Leedom, Randolph, assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See McWhirter, William C., assignor.)
Westinghouse Air Brake Company, The. (See Thomas, Thomas H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Baumann, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Bayne, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brace, Porter H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Brighouse, Thomas, assignor.)
Westinghouse Electric & Manufacturing Company. (See Cole, Horace L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eaton, George M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Eccles, William, assignor.)
Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hibbard, Lloyd J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Keene, Alvin D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kjelsberg, Harald A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Krantz, Hubert K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kreisel, Paul, assignor.)
Westinghouse Electric & Manufacturing Company. (See Rottgardt, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Wensley, Roy J., assignor.)
Westinghouse Union Battery Company. (See Norris, Paul E., assignor.)
Wetherell, Leslie O., Attleboro, assignor to Freeman-Daughaday Company, Chartley, Mass. Vanity-case holder. 1,559,210; Oct. 27.
Wezel, Walter P. (See Schmid, R. K., and Wezel.)





Whipple, James A., Chico, Calif. Gear-shift-pedal latch. 1,558,956; Oct. 27.
Whisler, Noel. (See Fischer, John J., assignor.)
White, Clarence, San Francisco, Calif. Vacuum pan. 1,558,957; Oct. 27.
White, William W., Moccasin, Mont. Shoe stretcher. 1,559,487; Oct. 27.
Whiteley, Ernest, Liverpool, assignor to Barringer, Wallis and Manners Limited, Mansfield, England. Toy railway line. 1,559,392; Oct. 27.
Whitney Mfg. Co., The. (See Sturtevant, Harold E., assignors.)
Whittelsey, Theodore, Upper Montclair, and C. E. Bradley, Montclair, N. J., assignors to The Naugatuck Chemical Company. Treating rubber and similar materials and to the products obtained thereby. 1,559,393; Oct. 27.
Wight, Stanley G., assignor to Commonwealth Steel Company, St. Louis, Mo. Locomotive construction. 1,559,488; Oct. 27.
Wijnand, Petrus C. (See Meyeringh, D. J., and Wijnand.)
Wilbur, Peter L., Tuckahoe, N. Y. Pumping mechanism. 1,559,139; Oct. 27.
Wilks, Harold S. (See Brewer, J., and Wilks.)
Willard, Waldo W. (See Hewlett, E. M., and Willard.)
Williams, Arthur, assignor to Wilmarth & Morman Company, Grand Rapids, Mich. Grinding machine. 1,558,525; Oct. 27.
Williams, Glen L., Detroit, Mich. Making hydrated alumina and by-products. 1,559,489; Oct. 27.
Williams, Josiah H., Baltimore, M. Mold for making glass sign plates. 1,559,394; Oct. 27.
Williams, Percy J., San Francisco, Calif. Airplane construction. 1,558,958; Oct. 27.
Williamson, William H., et al. (See Cheney, Ray F., assignor.)
Wilmarth & Morman Company. (See Williams, Arthur, assignor.)
Wilson, Ernest. (See Fransen, Julius R., assignor.)
Wilson, Paul, et al. (See Hall, Randolph F., assignor.)
Wilson, Roy A., Berkeley, Calif., assignor to Doble Steam Motors Corporation. Steam-engine control. 1,558,657; Oct. 27.
Wimmer, Stefan, West New York, N. J. Portable electric-light stand. 1,558,658; Oct. 27.
Wingate, Lucian A., Fort Myers, Fla. Auto camp-cot tent. 1,559,211; Oct. 27.
Winkler, Karl. (See Mittasch, A., Pier, and Winkler.)
Winninghoff, Wilford J., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Sealing device. 1,558,524; Oct. 27.
Winsor, James G., and S. Hatashita, Detroit, Mich. Dump body. 1,559,490; Oct. 27.
Winston, Overton, Minneapolis, Minn. Reflector for headlights. 1,559,212; Oct. 27.
Winterbottom, John W. and R. F., Waterloo, Iowa. Heating apparatus. 1,559,213; Oct. 27.
Winterbottom, Ralph F. (See Winterbottom, John W. and R. F.)
Wise, Vern, Waterloo, Ind. Cultivator. 1,558,659; Oct. 27.
Wisey, Stephen. (See Myler, Stephen A., assignor.)
Withers, Robert T., New Castle, Pa. Device for erecting sectional steam or hot-water cast-iron boilers or the like. 1,559,395; Oct. 27.
Withrow, Floyd G., Grand Rapids, Mich. Retaining device. 1,558,731; Oct. 27.
Witte, Meinhard, Minneapolis, Minn. Radiator-fin-forming machine. 1,558,526; Oct. 27.
Wolfermann, Carl E. E., New York, N. Y. Glareshield for automobiles. 1,558,527; Oct. 27.
Wolkenhauer, Gustav, assignor to Riverview Park Company, Chicago, Ill. Game of skill. 1,559,140; Oct. 27.
Wood, Charles P. (See Brunner, G. W., and Wood.)
Wood, Joseph E., assignor to W. L. Provol, Chicago, Ill. Combined pressure gauge and valve cap. 1,558,660; Oct. 27.
Wood, Otto G. (See Brunner, G. W., and Wood.)
Wood, Robert J., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose material. 1,559,023; Oct. 27.
Wood, Robert O., assignor of one-half to P. Miller, Elizabeth, N. J. Decorative candle and mounting therefor. 1,559,491; Oct. 27.
Wood, Robert O., assignor of one-half to P. Miller, Elizabeth, N. J. Ornamental tubular form. 1,559,492; Oct. 27.
Woods, Rudolf, and W. H. Le Breton, London, England. Grid-leak resistance. 1,559,493; Oct. 27.
Woodward, Alvah G., Detroit, Mich. Collapsible crate. 1,559,024; Oct. 27.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,559,214; Oct. 27.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,559,215; Oct. 27.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,559,216; Oct. 27.
Worthen, Fayete, Oakland, Calif. Transmission. 1,558,959; Oct. 27.
Wrenn, Henry B. P., and A. S. O'Donoghue, Cleveland, Ohio. Overhead electrical conductor system. 1,558,528; Oct. 27.
Wünsch, Guido, Steglitz, near Berlin, assignor to Askania-Werke A.-G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau, Friedenau, near Berlin, Germany. Gas-mixture regulator. 1,558,529; Oct. 27.
Wünsch, Guido, Steglitz, near Berlin, assignor to Askania-Werke A.-G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau, Friedenau, near Berlin, Germany. Device for increasing small pressure differences. 1,558,530; Oct. 27.
Yeganian, Mitchell, New York, N. Y. Corset. 1,558,661; Oct. 27.
Yehle, Eugene N., Maryville, Mo. Shade-roller attachment. 1,559,530; Oct. 27.
Yehle, Eugene N., Maryville, Mo. Device for clamping shades to rollers. 1,559,531; Oct. 27.
Yokel, Frank, Avalon, Pa. Heating stove. 1,559,217; Oct. 27.
Young, Arthur P. (See Butcher, J. H., and Young.)
Young, Charles R., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading-coil case and the like. 1,559,396; Oct. 27.
Young, Harry W., Milwaukee, Wis. Timer. 1,558,732; Oct. 27.
Zeman, Anton, assignor to J. Saltzman, Chicago, Ill. Support for pressing irons. 1,558,662; Oct. 27.
Zim Manufacturing Company. (See Berkman, Herbert A., assignor.)
Zitzerman, Jacob, Brooklyn, N. Y. Sound box and tone arm. 1,559,514; Oct. 27.
Zuber, John G., Chicago, Ill. Cylinder-boring machine. 1,558,531; Oct. 27.
Zugermayer, Melchoir, Egg Harbor City, N. J. Combination tool. 1,559,494; Oct. 27.

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 27TH DAY OF OCTOBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acid, Manufacturing sulphuric. J. V. Skoglund. 1,559,292; Oct. 27.
Adapter. F. A. Anderson. 1,559,062; Oct. 27.
Adapter. W. E. Gunnerson. 1,559,088; Oct. 27.
Addressing machines, Stencil card for use with. L. M. Barman. 1,558,575; Oct. 27.
Aerial attacks, Safeguarding against. J. A. Steinmetz. 1,558,713; Oct. 27.
Aeroplane. E. K. Galwey. 1,558,975; Oct. 27.
Air-heating apparatus. C. D. Mosher. 1,558,493; Oct. 27.
Air pressure, Apparatus for producing pulsating. R. K. Schmid and W. P. Wezel. 1,559,284; Oct. 27.
Air-supply device, Auxiliary. W. L. Graves. 1,558,605; Oct. 27.
Aircraft landing platform. A. E. Schein. 1,558,567; Oct. 27.
Airplane. R. F. Hall. 1,559,090–1; Oct. 27.
Airplane. W. B. Stout. 1,558,942; Oct. 27.
Airplane construction. P. J. Williams. 1,558,958; Oct. 27.
Alarm: *See*—
Burglar alarm.
Alarm systems, Automatic device for draining variable-pressure. H. W. Park. 1,558,623; Oct. 27.
Alarm systems, Automatic valve for draining variable-pressure. H. W. Park. 1,558,624; Oct. 27.
Alkali-metal carbonate, Making. G. N. Libby. 1,558,901; Oct. 27.
Alkali-metal xanthates, Producing. R. B. Crowell and G. F. Breckenridge. 1,559,504; Oct. 27.
Alloy for the rollers of Pilger rolling mills, Steel. M. Peters. 1,558,918; Oct. 27.
Alternating-current commutator motors, Connecting. P. Müller. 1,559,422; Oct. 27.
Alumina and byproducts, Making hydrated. G. L. Williams. 1,559,489; Oct. 27.
Aluminum chloride process. H. I. Lea and C. W. Humphrey. 1,558,897; Oct. 27.
Amalgamator, Electric. W. C. McLaughlin. 1,558,993; Oct. 27.
Ammonia, Oxidation of. C. Ellis. 1,558,598; Oct. 27.
Amusement apparatus. J. Teruya. 1,559,474; Oct. 27.
Amusement device. F. V. Burrow. 1,559,219; Oct. 27.
Anchor. E. Ritchie. 1,559,006; Oct. 27.
Angular movements, Accurately reproducing. E. M. Hewlett and W. W. Willard. 1,559,524; Oct. 27.
Animal carrier. R. Kennington and R. S. Shearn. 1,558,892; Oct. 27.
Animal head check. L. Jackson. 1,558,887; Oct. 27.
Animal trap, Automatically-set. F. N. Watkins. 1,559,483; Oct. 27.
Antenna, Folding loop. M. W. Stavrum, R. L. Olson, and W. H. Berry. 1,559,193; Oct. 27.
Antiskid-chain fastener. J. A. Luke. 1,558,556; Oct. 27.
Antiskidding device. O. A. McElfish. 1,559,336; Oct. 27.
Apparatus rack. J. C. Field. 1,558,855; Oct. 27.
Aquaplane. F. Waller. 1,559,390; Oct. 27.
Arc-extinguishing device. O. H. Eschholz. 1,558,852; Oct. 27.
Asphalt expansion joint. A. C. Fischer. 1,558,799; Oct. 27.
Auto signal, Faceplate for. J. O'Donnell, jr. Des. 68,588; Oct. 27.
Automobile bumper. S. Smith. 1,559,293; Oct. 27.
Automobile bumper and support therefor. J. Begelman. 1,558,457; Oct. 27.
Automobile clutch. S. G. Baits. 1,558,773; Oct. 27.
Automobile cover. M. B. Rizianu. 1,559,458; Oct. 27.
Automobile direction indicator. W. J. Bishop. 1,558,579; Oct. 27.
Automobile engines and radiators, Hose connection for. J. G. Pressler. 1,558,503; Oct. 27.
Automobile heater. L. D. Nelson. 1,559,047; Oct. 27.
Automobile horn. A. E. Kenhart. 1,559,254; Oct. 27.
Automobile lifting device. F. Waters. 1,559,391; Oct. 27.
Automobile signal. R. E. Boyle. 1,559,308; Oct. 27.
Automobile signal. W. J. Schirmann. 1,559,007; Oct. 27.
Automobile signal-light casing. T. Lonet. Des. 68,581–3; Oct. 27.
Automobile signaling and advertising device, Combined. L. H. Steele. 1,559,194; Oct. 27.
Automobile steering connection and making the same. F. P. Prindle. 1,559,452; Oct. 27.
Automobile steering connection and making the same. R. H. Boardman. 1,559,402; Oct. 27.
Automobile wheel rim. G. T. Nichols. 1,558,908; Oct. 27.
Automobile windshield. T. B. Nisbet. 1,558,710; Oct. 27.
Automobiles, Foot control for. O. E. Barthel and J. W. McCrea. 1,558,454; Oct. 27.
Automobiles, Glareshield for. C. E. E. Wolfermann. 1,558,527; Oct. 27.
Automobiles, Motion and direction signal for. G. B. Schwieger. 1,559,010; Oct. 27
Automobiles, Radiator screen for. B. O. Cone. 1,558,533; Oct. 27.
Automobiles, Safety locking device for. W. Shara. 1,558,932; Oct. 27.
Axle, Extension. C. M. Poole. 1,559,368; Oct. 27.
Axle, Self-lubricating. W. B. Floyd. 1,558,857; Oct. 27.
Axle, Vehicle. G. Cayer. 1,558,462; Oct. 27.
Badge, Reversible. L. F. Cole. 1,558,842; Oct. 27.
Bag: *See*—
Carry bag. Wardrobe bag.
Traveling bag.
Bait, Combination hook for live. W. H. Gruenhagen. 1,558,476; Oct. 27.
Baking powder. R. E. Jones. 1,558,888; Oct. 27.
Ball: *See*—
Golf ball. Inflatable ball.
Ball-bearing construction. W. B. Messink. 1,559,118; Oct. 27.
Barber's chair. E. T. Hehn. 1,559,425; Oct. 27.
Bark-removing tool. A. R. McArthur. 1,558,735; Oct. 27.
Barrel-making machines, Compressing mechanism for. E. F. Beugler. 1,559,401; Oct. 27.
Bat-forming machine. A. C. Ward. 1,559,513; Oct. 27.
Bat, Handball. J. Brewer and H. S. Wilks. 1,558,666; Oct. 27.
Bathroom fixture. H. H. Anderson. 1,559,398; Oct. 27.
Battery: *See*—
Electric battery.
Battery-charging plug, Storage. W. D. Parker. 1,559,361; Oct. 27.
Battery connecter. J. L. Morfoot. 1,558,491; Oct. 27.
Battery separator. W. L. Scarff. 1,558,927; Oct. 27.
Battery-testing appliance. W. H. Greet. 1,559,421; Oct. 27.
Beam rest. W. Imbt. 1,559,434; Oct. 27.
Bearing. C. A. Grimes. 1,558,978; Oct. 27.
Belt. F. C. Simmons. 1,559,291; Oct. 27.
Belt-slitting machine. A. J. Gerrard and L. F. Hintz. 1,558,860; Oct. 27.
Belt squaring and punching machine. A. J. Gerrard and L. F. Hintz. 1,558,861; Oct. 27.
Bending machine. L. C. Pritner and L. S. Paul. 1,559,454; Oct. 27.
Berry picker. I. J. Barnes. 1,558,774; Oct. 27.
Bicycles and the like, Wheel-supporting fork for. J. H. Nelson. 1,559,277; Oct. 27.
Bier construction. J. H. Metcalf. 1,558,558; Oct. 27.
Binder, Loose-leaf. H. S. Horn. 1,558,807; Oct. 27.
Binders, Flax gathering attachment for. L. D. Brown, C. D. French, and F. Mahood. 1,559,311; Oct. 27.
Bird cage. L. J. Leon. 1,558,899; Oct. 27.
Blade, Scraper. G. E. Alleman. 1,559,060; Oct. 27.
Block: *See*—
Former block.
Boat-launching apparatus for ships, One-man. C. B. Osbon. 1,559,584; Oct. 27.
Bobbin. F. Mossberg. 1,558,561; Oct. 27.
Boiler: *See*—
Sectional boiler.
Boiler furnace. J. A. Packard. 1,559,048; Oct. 27.
Boiler shells, Machine for drilling or reaming. F. O. Pahmeyer. 1,559,359; Oct. 27.
Boiler with superheater. B. Broido. 1,559,154; Oct. 27.
Boilers or the like, Device for erecting sectional steam or hot-water, cast-iron. R. T. Withers. 1,559,395; Oct. 27.
Book-supporting device. T. W. Hogsett. 1,559,431; Oct. 27.
Books, Combined clamp and hanger for. A. G. Mass. 1,559,446; Oct. 27.
Booth for stores, Waiting. B. W. Klein. 1,559,256; Oct. 27.
Boring machine. E. G. Lacey. 1,559,263; Oct. 27.
Bottle. A. F. Reed. Des. 68,594; Oct. 27.
Bottle. P. C. Gallagher. Des. 68,571; Oct. 27.
Bottle holder. F. H. Cook. 1,558,966; Oct. 27.
Box: *See*—
Collapsible box. Stuffing box.
Display box. Vanity box.
Mail box.
Boxes, Carrying cardboard. D. J. Seaman and C. F. Sommers. 1,559,286; Oct. 27.





Boxes, Machine for making. H. J. Goss. Re16,193; Oct. 27.
Bracket: *See*—
Lamp bracket. Tank-rafter bracket.
Brake: *See*—
Electropneumatic brake. Truck brake.
Hydraulic brake.
Brake-adjusting tool. N. Falconer. 1,558,854; Oct. 27.
Brake and nonskid device for vehicles, Combination. M. Greenman. 1,558,865; Oct. 27.
Brake device, Automotive. W. C. McWhirter. 1,558,693; Oct. 27.
Breech mechanism. C. J. Julstedt. 1,559,106; Oct. 27.
Brick machine. E. Blanchette. 1,558,781; Oct. 27.
Brush. V. Kalinowski. 1,558,551; Oct. 27.
Brush or similar article. G. H. Nevius. Des. 68,587; Oct. 27.
Brush, Rotary. A. C. and A. M. Holzapfel. 1,558,544; Oct. 27.
Brush, Washing. W. Kundel. 1,559,441; Oct. 27.
Buckle, Belt. W. A. Ormsbee. Des. 68590–1; Oct. 27.
Buffer, Rotary. H. Fields. 1,559,080; Oct. 27.
Buffing machine, Bead-core. J. E. Perrault and M. S. Cate. 1,559,127; Oct. 27.
Bumper. W. E. Dunston. 1,558,797; Oct. 27.
Bundle carrier. G. R. McLeran. 1,559,046; Oct. 27.
Bunion protector. F. H. Jensen. 1,559,324; Oct. 27.
Burglar alarm. C. F. Loar. 1,558,687; Oct. 27.
Burner: *See*—
Oil burner.
Burner. C. A. Shaler. 1,558,510; Oct. 27.
Cabinet. J. L. Flannery. Des. 68,569; Oct. 27.
Calcium preparation, Making a. H. Umber. 1,559,478; Oct. 27.
Calculating machine. D. Rabanete. 1,559,374; Oct. 27.
Calculating machine. M. Teetor. 1,558,947; Oct. 27.
Calendar. C. D. Graton. 1,559,247; Oct. 27.
Camera. B. F. Schmidt. 1,559,285; Oct. 27.
Camera, Aero. J. W. Bagley and C. H. Au. 1,559,400; Oct. 27.
Can: *See*—
Ice-cream can. Oil can.
Can and seal, Sanitary. W. M. Hall. 1,559,096; Oct. 27.
Can opener. A. L. Chrisman. 1,558,403; Oct. 27.
Candle and mounting therefor, Decorative. R. O. Wood. 1,559,491; Oct. 27.
Candle ring. E. L. Bearse. 1,559,304; Oct. 27.
Candle-shade holder. L. W. Andersen. 1,558,770; Oct. 27.
Cannon, Tuyère with variable output for. E. Rimailho. 1,559,183; Oct. 27.
Cans, Machine for handling milk. W. N. Merwin. 1,558,700; Oct. 27.
Car and station indicator, Street. G. A. Karg. 1,558,988; Oct. 27.
Car-control equipment, Safety. C. C. Farmer. 1,558,600; Oct. 27.
Car construction. F. Koch. 1,558,552; Oct. 27.
Car coupling. A. A. Moss. 1,558,747; Oct. 27.
Cardoor, Grain. K. Gorny. 1,559,087; Oct. 27.
Car-door-operating mechanism. H. T. Anderson. 1,559,026; Oct. 27.
Car for hot metal. H. T. Anderson and A. Christianson. 1,559,025; Oct. 27.
Car for hot metal. H. T. Anderson. 1,559,027; Oct. 27.
Car seal. L. J. Brune, sr. 1,558,960; Oct. 27.
Car, Teeter. L. S. Edwards and R. O. Case. 1,558,851; Oct. 27.
Car-window screen. J. O. Wagner. 1,558,728; Oct. 27.
Cars, Brake mechanism for railway. P. B. Camp. 1,558,461; Oct. 27.
Cars, Brake mechanism for railway. W. H. Clegg. 1,558,840; Oct. 27.
Cars, Convertible body for motor. T. Chrey and E. R. Milligan. 1,558,837; Oct. 27.
Cars, Window arrangement for sleeping. P. Parke. 1,558,753; Oct. 27.
Caramel cooker. G. E. Garabrant and E. E. Beck. 1,558,976; Oct. 27.
Carbonating apparatus, Mixing device for. E. E. Sager. 1,559,465; Oct. 27.
Carbonizing or distillation apparatus. N. H. Freeman. 1,558,974; Oct. 27.
Carburetors, Control for. R. E. Carlson. 1,558,590; Oct. 27.
Carburetors, Thermostatic needle control for. E. T. Franzen. 1,559,039; Oct. 27.
Card for control in progressive games, Guide and score. C. S. Clark. 1,558,838; Oct. 27.
Carding engine. M. Thoma. 1,559,475; Oct. 27.
Carding machines, Stop motion for. J. B. Santos. 1,559,282; Oct. 27.
Carrier: *See*—
Animal carrier. Tire carrier.
Bundle carrier. Tramrail carrier.
License-plate carrier.
Carrier system. C. L. Van Inwagen. 1,558,952; Oct. 72.
Carry bag. C. P. Kleebauer and R. M. Lackey. 1,559,255; Oct. 27.
Case: *See*—
Vanity case.
Case and wallet, Leather. F. J. Reichle. 1,558,921; Oct. 27.
Cast-wheel construction. E. F. Waterbor. 1,558,656; Oct. 27.
Caster. E. B. Everly. 1,559,078; Oct. 27.
Catch, Safety. A. Veillette. 1,559,480; Oct. 27.
Ceiling-washing apparatus. P. Ushatch. 1,559,479; 1,559,479; Oct. 27.
Cellulose fibers, Sizing. J. A. De Cew. 1,558,845; Oct. 27.
Cellulosic fibers and fabrics, Treatment of. F. L. Barrett and R. P. Foulds. 1,558,453; Oct. 27.
Cementing machine. H. R. Polleys. 1,559,367; Oct. 27.
Centrifugal amalgamator. H. N. and G. E. Banks. 1,558,574; Oct. 27.
Centrifugal screen. H. Stub. 1,559,528; Oct. 27.
Chain and parts therefor. H. E. Sturtevant. 1,558,719; Oct. 27.
Chain wheel. J. S. Reid. 1,559,375; Oct. 27.
Chair: *See*—
Barber's chair.
Charcoal, Manufacture of prepared. A. W. Smith. 1,559,054; Oct. 27.
Chart holder and finder. J. Rogers. 1,559,459; Oct. 27.
Chart, Progress. R. G. Rech. 1,558,920; Oct. 27.
Check protector. C. A. Gulling and E. W. Cheney. 1,558,869; Oct. 27.
Check protector. A. H. Middleswart. 1,558,702; Oct. 27.
Cheese-turning machine. T. E. Day. 1,558,794; Oct. 27.
Chicken coop or hog house, Collapsible. J. Hoyle. 1,558,545; Oct. 27.
Chronograph, Recording. P. H. Brace. 1,558,282; Oct. 27.
Chuck. W. M. Cutler. 1,559,033; Oct. 27.
Cigar bunching. B. Liberman. 1,559,265–6; Oct. 27.
Cigar-bunching machine, Automatic. W. H. Schussler. 1,559,009; Oct. 27.
Cigar holder. E. Teichmüller. 1,558,948; Oct. 27.
Cigarette and cigar lighter, Combined. L. Pengilly. 1,558,935; Oct. 27.
Cigarette rods in the manufacture of machinemade cigarettes, Production of. P. M. E. Hohn. 1,559,322; Oct. 27.
Cinematography. J. M. Andrews. 1,559,145; Oct. 27.
Circuit-closer mounting. J. W. Davis. 1,559,409; Oct. 27.
Circuit, Private-branch-exchange sender. R. W. Harper. 1,559,251; Oct. 27.
Circuits, Selective. H. W. Nichols. 1,558,909; Oct. 27.
Clamp: *See*—
Hose clamp.
Clamp, A. W. McCallister. 1,559,334; Oct. 27.
Cleaner: *See*—
Pipe cleaner. Vacuum cleaner.
Tooth cleaner.
Clipper. L. J. Wahl. 1,558,729; Oct. 27.
Closure-operating mechanism and the like, Controlling device for. W. B. Gervais. 1,558,469; Oct. 27.
Clothes wringers, Feeder for. E. Walker. 1,559,388; Oct. 27.
Clutch, Equalizing. C. B. Spase. 1,559,527; Oct. 27.
Coal bunker. R. A. McMullin. 1,558,739; Oct. 27.
Coating compound, mold, and preparing molds and surfaces involved in molding operations. R. L. Sibley. 1,559,289; Oct. 27.
Coating roofing elements electrolytically, Method and apparatus for continuously. J. H. Gillis. 1,559,041; Oct. 27.
Cock. R. Guillery. 1,558,979; Oct. 27.
Coil case and the like, Loading. C. R. Young. 1,559,396; Oct. 27.
Coil, Induction. D. A. Reynolds. 1,558,758; Oct. 27.
Coil mounting. H. Gernsback. 1,558,604; Oct. 27.
Coin-controlled mechanism. R. H. Pease. 1,558,407; Oct. 27.
Collapsible box. C. A. Fox. 1,559,236–42; Oct. 27.
Collar. J. M. van Heusen. 1,558,726; Oct. 27.
Colloidal substances in the form of small balls or grains, Manufacture of. A. Obersohn, W. Wachtel, D. Sakom, and P. Askenasy. 1,559,126; Oct. 27.
Color-fade-testing apparatus. L. J. Buttolph. 1,558,786; Oct. 27.
Comb: *See*—
Hair-drying comb.
Comb. R. C. Smith. 1,559,055; Oct. 27.
Combination lock. J. Gemza and C. Balasy. 1,558,803; Oct. 27.
Compressor with crescent-shaped working space, Rotary. E. Kögl. 1,558,620; Oct. 27.
Computing machine. J. T. Hurley. 1,558,676; Oct. 27.
Concrete construction, Interlocking reenforced. C. Frey. 1,558,801; Oct. 27.
Concrete, Repairing. W. F. Bleecker. 1,558,783; Oct. 27.
Condenser, Electrolytic. C. L. Fortescue. 1,558,859; Oct. 27.
Condenser unit. P. A. Bancel. 1,558,573; Oct. 27.
Confection, Making a frozen. F. Smoln. 1,558,940; Oct. 27.
Confections, Producing chocolate-coated. J. R. Franzen. 1,559,412; Oct. 27.
Container. L. W. Hottel. 1,559,100; Oct. 27.
Container. O. E. Smith. 1,559,013; Oct. 27.
Container and device for opening same. J. P. Curry. 1,559,032; Oct. 27.
Container cover, Laboratory. B. P. Doppke. 1,559,229; Oct. 27.
Containers, Self-closing top for. W. C. Nenstiehl. 1,558,709; Oct. 27.
Control, System of. L. J. Hibbard. 1,558,875; Oct. 27.

Controlling mechanism. E. S. Gibson. 1,558,862; Oct. 27.
Controlling mechanism. M. P. Holmes. 1,558,675; Oct. 27.
Conveyer. J. F. Joy. 1,558,550; Oct. 27.
Cooker and heater, Fireless. M. J. McFarlane. 1,559,337; Oct. 27.
Copy holder. C. B. Phelps, jr. 1,559,366; Oct. 27.
Core, Collapsible. A. J. Fleiter. 1,558,603; Oct. 27.
Cork-packing machine. J. Nueske, jr. 1,558,751; Oct. 27.
Corrosion, Composition for preventing. R. B. Canute and E. H. Tank. 1,558,589; Oct. 27.
Corset. M. Yeganian. 1,558,661; Oct. 27.
Corset. R. D. Ulman. 1,558,930; Oct. 27.
Cotton picker. L. C. Stukenborg. 1,558,716; Oct. 27.
Cotton picker. L. C. Stukenborg and G. H. Handy. 1,558,717; Oct. 27.
Cotton-picker mechanism. L. C. Stukenborg. 1,558,718; Oct. 27.
Counting mechanism. M. Jacobson. 1,558,547; Oct. 27.
Coupler, Automatic. Z. M. Abshear. 1,559,397; Oct. 27.
Coupler-release rigging. S. H. Campbell. 1,558,787; Oct. 27.
Coupling: *See*—
Car coupling. Hose coupling.
Flexible coupling.
Cover-attaching means. C. C. Schlegel. 1,559,283; Oct. 27.
Crane, Traveling. G. E. Moore. 1,558,746; Oct. 27.
Crank-handle assembly. T. P. Archer. 1,558,772; Oct. 27.
Crate, Collapsible. A. G. Woodward. 1,559,024; Oct. 7.
Cribs, perambulators, and the like, Attachment for. V. P. Nelson. 1,559,352; Oct. 27.
Crosshead pin and lubricator therefor. F. W. Jackson. 1,559,435; Oct. 27.
Cuff. I. L. Phillips. 1,558,754; Oct. 27.
Cultivator. I. H. Osborn. 1,559,526; Oct. 27.
Cultivator. V. Wise. 1,558,659; Oct. 27.
Cultivator attachment. W. J. Petty. 1,558,625; Oct. 27.
Cup: *See*—
Drinking cup.
Cushion construction, Spring-. T. H. Mace. 1,558,694; Oct. 27.
Cuspidor. T. C. Hall. 1,558,981; Oct. 27.
Cut-off, Automatic gas. H. R. Stambaugh. 1,559,469; Oct. 27.
Cutter: *See*—
Hedge cutter.
Cutting and grinding apparatus. J. and L. Holland-Letz. 1,558,613; Oct. 27.
Cylinder-boring machine. J. G. Zuber. 1,558,531; Oct. 27.
Cylinder front head, Dolly-hammer. M. McHale. 1,559,338; Oct. 27.
Cylinder, Stoker. A. Wathey. Re16,192; Oct. 27.
Cylinder switch with no-voltage or overflow-current release. R. T. Bär and K. Bölte. 1,559,030; Oct. 27.
Davit, Boat. W. F. Mills. 1,559,448; Oct. 27.
Decorative fabric. M. W. Greenstein. 1,558,866; Oct. 27.
Dehydration, System of. J. A. Martocello. 1,558,741; Oct. 27.
Dental tool. P. R. Skinner. 1,559,011; Oct. 27.
Desk and chair, Combination. J. E. McGinley. 1,558,692; Oct. 27.
Desk, School. A. C. Bolstad and A. E. MacQuarrie. 1,558,827; Oct. 27.
Detonators, Insuring uniform pressure upon explosive charges of. D. D. Huyett. 1,558,809–10; Oct. 27.
Dextrose hydrate. W. B. Newkirk. 1,559,176; Oct. 27.
Die-pressing apparatus. J. R. Gordon. 1,558,474; Oct. 27.
Dish or similar article, Covered. L. Anduze. Des. 68,561; Oct. 27.
Dishwasher. T. Schweitzer. 1,558,509; Oct. 27.
Dishwashing machine. J. N. Moore. 1,559,346; Oct. 27.
Disintegrating and emulsifying materials, Machine for. H. Povey and H. O. Hallas. Re16,191; Oct. 27.
Disk wheel. G. H. Forsyth. 1,558,467–8; Oct. 27.
Display box. E. H. Newton. 1,558,494; Oct. 27.
Display receptacle. D. H. Bitney. 1,559,064; Oct. 27.
Doll. F. L. Lindstrom. Des. 68,580; Oct. 27.
Dolls, Eye-operating mechanism for. R. De Bersaques. 1,559,410; Oct. 27.
Door lock. W. C. Devereaux. 1,559,228; Oct. 27.
Door operator and fastener, Garage double-. J. A. Harris. 1,559,317; Oct. 27.
Door, Screen. C. J. Jackson. 1,558,617; Oct. 27.
Doors and the like, Holding means for. J. I. Thornycroft. 1,558,724; Oct. 27.
Doors, Lock attachment for. J. D. Perkins. 1,558,917; Oct. 27.
Dough making, Process of and composition for. B. Lowy. 1,559,330; Oct. 27.
Draft-preventing mat. E. E. Richardson. 1,558,761; Oct. 27.
Drawbar. T. G. Schmeiser. 1,559,008; Oct. 27.
Drawer construction. F. O. Rick. 1,558,506; Oct. 27.
Drawing or rolling process. J. G. de Lattre and H. Hardy. 1,559,077; Oct. 27.
Dredge bucket. J. J. Rattigan. 1,559,004; Oct. 27.
Drier: *See*—
Paper drier.
Drier. R. Cathcart. 1,558,835; Oct. 27.
Drill press. C. F. Sherman. 1,559,190; Oct. 27.
Drinking cup. P. A. Fischer. 1,558,602; Oct. 27.
Driving device. J. H. Pope. 1,558,500; Oct. 27.
Dropper: *See*—
Oil dropper.
Dump body. J. G. Winsor and S. Hatashita. 1,559,490; Oct. 27.
Duplicating machine. E. J. Brasseur. 1,559,067; Oct. 27.
Duplicating machines, Inking means for. E. J. Brasseur. 1,559,068; Oct. 27.
Dyestuffs insoluble in water, Production of new azo. G. Kalischer and K. Keller. 1,558,890; Oct. 27.
Earth-boring bits, Feeding-pressure regulator for. E. Smith. 1,558,511; Oct. 27.
Earth-boring machines, Braking system for electric. F. W. Hild. 1,558,876; Oct. 27.
Egg-shell crusher and pulverizer. E. W. Hirschman. 1,559,169; Oct. 27.
Electric battery. P. E. Norris. 1,558,910; Oct. 27.
Electric-circuit switch. N. Lemlyn. 1,559,329; Oct. 27.
Electric circuits, Apparatus for controlling. A. E. Waller. 1,559,389; Oct. 27.
Electric heater. J. F. Adams. Des. 68,558; Oct. 27.
Electric heater. M. R. Piastino. 1,559,002; Oct. 27.
Electric-light stand, Portable. S. Wimmer. 1,558,658; Oct. 27.
Electric-lighting fixture. E. Brandt and H. J. Barton. Des. 68,564; Oct. 27.
Electric lock. J. H. Milligan. 1,558,705; Oct. 27.
Electric machine, Dynamo-. H. C. E. Jacoby. 1,559,436; Oct. 27.
Electric machine, Dynamo-. C. W. Rice. 1,559,182; Oct. 27.
Electric machine, Dynamo-. J. Slepian. 1,558,937; Oct. 27.
Electric switch. G. A. Burnham. 1,559,157; Oct. 27.
Electric switch. J. S. Thompson. 1,558,650; Oct. 27.
Electric switch. H. Trencham. 1,559,205; Oct. 27.
Electric switch. C. L. Turner. 1,559,512; Oct. 27.
Electric switches, Latch for. J. S. Thompson. 1,558,651; Oct. 27.
Electric switches, Safety cover for. D. Hane. 1,558,982; Oct. 27.
Electric waves, Analyzing or synthesizing. F. B. Jewett. 1,559,325; Oct. 27.
Electrical apparatus. J. Slepian. 1,558,938; Oct. 27.
Electrical condenser, High-tension. P. Bunet. 1,559,404; Oct. 27.
Electrical conductor system, Overhead. H. B. P. Wrenn and A. S. O'Donoghue. 1,558,528; Oct. 27.
Electrical connection. W. R. Mott. 1,599,349; Oct. 27.
Electrical plug switch. L. N. Hampton. 1,559,250; Oct. 27.
Electrical precipitation circuits, Surge dissipator for. G. R. Lewers. 1,558,991; Oct. 27.
Electrical testing system. M. C. Beebe. 1,558,826; Oct. 27.
Electrical testing system. H. Nyquist. 1,558,564; Oct. 27.
Electrochemical recorder. P. B. Delany. 1,558,536; Oct. 27.
Electrode for accumulators, Lead. A. Strasser. 1,559,471; Oct. 27.
Electrode, Liquid. O. Meyer-Keller. 1,559,447; Oct. 27.
Electron-discharge device. W. R. Brough. 1,558,880; Oct. 27.
Electron-discharge device. V. L. Ronci. 1,559,280; Oct. 27.
Electron tube. S. Ruben. 1,559,460; Oct. 27.
Electropneumatic brake. T. H. Thomas. 1,558,649; Oct. 27.
Electrotypes, Apparatus and method for casting. A. B. Eckersall. 1,559,231; Oct. 27.
Elevator: *See*—
Rod elevator.
Elevator. R. W. Barrett and L. T. Koppl. 1,559,302; Oct. 27.
Ellipsograph. H. Falletta. 1,559,079; Oct. 27.
Embossing machines, Alignment bar and type protector for use in. G. S. Walpole. 1,559,136; Oct. 27.
Emergency wheel. J. T. Goyette. 1,558,864; Oct. 27.
Engine: *See*—
Carding engine. Internal-combustion engine.
Engine. L. S. Keilholtz. 1,559,107; Oct. 27.
Engine control, Steam-. R. A. Wilson. 1,558,657; Oct. 27.
Engines, Automatic reverser for door. L. P. Hynes. 1,558,886; Oct. 27.
Engines, Centrifugal friction coupling for starters for internal-combustion. K. Knapp. 1,559,259; Oct. 27.
Engines, Coil-ignition apparatus for internal-combustion. O. A. V. Rist. 1,559,457; Oct. 27.
Engines, Crank casing for internal-combustion. P. B. Haskell. 1,558,674; Oct. 27.
Engines, Fuel-cracking device for internal-combustion. F. E. Modlin, jr. 1,559,444; Oct. 27.
Engines, Hydraulic seal for rotary. R. H. Reed. 1,558,630; Oct. 27.
Engines, Restorer of normal ignition for dual ignition apparatus of internal-combustion. J. Courtier. 1,559,161; Oct. 27.
Engines, Steam-cylinder relief for. P. H. Gentzel. 1,559,417; Oct. 27.
Ensilage machine. J. J. Power. 1,558,502; Oct. 27.
Envelope, Duplex. H. Trenchard. 1,559,132; Oct. 27.





Envelope-opening machine. J. V. Washburne. 1,559,020; Oct. 27.
Exercising apparatus. M. Golomb. 1,559,419; Oct. 27.
Expansion joint. D. H. Chester. 1,558,592; Oct. 27.
Extracting or coffee machine. L. Kirschmann. 1,558,896; Oct. 27.
Extractor: *See*—
Honey extractor.
Eyeglasses or spectacles. E. B. Miner. 1,558,744; Oct. 27.
Fabric: *See*—
Decorative fabric.
Fabric edging, Ornamental. J. G. Currie. 1,559,505; Oct. 27.
Fabric for wearing apparel. F. B. Newton. 1,558,563; Oct. 27.
Fabric-working implement. K. Schmutz. 1,558,929; Oct. 27.
Fan, Mechanically-operated. F. Ordakowsky. 1,558,912; Oct. 27.
Fastener, Separable. W. H. Pierce. 1,559,279; Oct. 27.
Feed receptacle for poultry. O. Hostad. 1,559,432; Oct. 27.
Feed regulator. C. W. Carter. 1,558,668; Oct. 27.
Fibrous materials, Apparatus for saturating. R. T. Johnston. 1,558,549; Oct. 27.
Filaments or cathodes for electric lamps, thermionic tubes, and the like, Manufacture of. W. R. Bullimore. 1,558,961; Oct. 27.
Filler members, Constructing sheathed. L. Evans. 1,559,533; Oct. 27.
Filter. W. L. Hilbish. 1,558,608; Oct. 27.
Filter, Gas. R. M. Ranyard. 1,559,456; Oct. 27.
Finger ring. M. C. Foster. Des. 68,570; Oct. 27.
Finger ring or similar article. L. Fielder. Des. 68,568; Oct. 27.
Fire-box door and deflector plate. J. J. Chidlow. 1,558,962; Oct. 27.
Fish, Device for automatically hooking. J. G. Pennell. 1,558,916; Oct. 27.
Fishline bobber. M. J. Schamerloh. 1,558,928; Oct. 27.
Fish lure. P. D. Gibson. 1,558,470; Oct. 27.
Fishing reels, Shifting lever for. W. L. Adams. 1,559,496; Oct. 27.
Fishing tool, Deep-well. S. B. Durbin. 1,558,968; Oct. 27.
Flagman's kit. J. T. Parkins. 1,559,362; Oct. 27.
Flash light. L. J. Voorhees. 1,559,481; Oct. 27.
Flask: *See*—
Molding flask.
Flexible coupling. K. Baumann. 1,558,576; Oct. 27.
Flow meters, Orifice-type pressure-difference-creating device for. C. F. Bullock. 1,559,156; Oct. 27.
Flower rack. V. Carpenter. 1,559,221; Oct. 27.
Flycatcher. A. Purvis. 1,559,373; Oct. 27.
Flytrap, Livestock. J. B. Hockersmith. 1,559,430; Oct. 27.
Foam-stabilizing composition. G. J. Esselen, jr. 1,558,599; Oct. 27.
Folding reel. H. B. Tunis and M. P. Greene. 1,559,133; Oct. 27.
Foot-pedal extension. G. E. Marts. 1,558,697; Oct. 27.
Football. J. E. Maynard. 1,559,117; Oct. 27.
Football helmet. T. J. Hartman. 1,559,252; Oct. 27.
Forge, Portable. L. Ferruse. 1,559,521; Oct. 27.
Former block. W. A. Jones. 1,558,986; Oct. 27.
Frame: *See*—
Picture frame. Truck frame.
Tractor attachment frame.
Frequency changer. J. I. Hull. 1,559,103; Oct. 27.
Frequency converter. H. M. Stoller. 1,559,295; Oct. 27.
Fruit-gathering apparatus. A. N. Riggs. 1,558,924; Oct. 27.
Fuel. J. F. P. de La Riboisiere. 1,558,967; Oct. 27.
Fuel-pulverizing apparatus. J. E. Bell and H. Kreisinger. 1,558,663; Oct. 27.
Fuel saver. W. M. Hayward. 1,559,318; Oct. 27.
Fur-seaming machine. I. Lipschits. 1,559,267; Oct. 27.
Furnace: *See*—
Boiler furnace.
Furnace-air-supply construction. R. H. Kuss. 1,558,821; Oct. 27.
Furnace-fire-arch construction. R. H. Kuss. 1,558,819; Oct. 27.
Furnace-grate construction. R. H. Kuss. 1,558,820; Oct. 27.
Furniture, Metal. P. C. Jasper. 1,558,618; Oct. 27.
Fuse, Electrical. H. Davies. 1,559,225–6; Oct. 27.
Fusions, Process of and apparatus for purifying. E. T. Tomson. 1,559,208; Oct. 27.
Game. E. G. Knowles. 1,559,171; Oct. 27.
Game. H. K. Subers. 1,559,472; Oct. 27.
Game apparatus. E. P. McCollom. 1,558,690; Oct. 27.
Game board or similar article. G. W. Horton. Des. 68,577; Oct. 27.
Game of skill. G. Wolkenhauer. 1,559,140; Oct. 27.
Garment cleaning and drying device. A. P. Badeaux 1,558,572; Oct. 27.
Garment hanger. E. Levin. 1,558,684; Oct. 27.
Gas and vapor indicating device. S. Ruben. 1,559,461; Oct. 27.
Gas cut-off, Automatic. T. A. O'Neill. 1,559,357; Oct. 27.
Gas-mixture regulator. G. Wünsch. 1,558,529; Oct. 27.
Gas regulator, Variable-pressure. C. S. Reed. 1,558,757; Oct. 27.
Gasoline container, Emergency. E. T. Howell. 1,558,985; Oct. 27.
Gasoline gauge. E. H. Barbe. 1,558,452; Oct. 27.
Gate: *See*—
Railway gate. Safety gate.
Railway-crossing gate. Water gate.
Gate apparatus, Crossing-. A. and R. Fick. 1,558,538; Oct. 27.
Gauge: *See*—
Gasoline gauge.
Gauge. T. F. Valentine. 1,559,386; Oct. 27.
Gear. A. W. Aitken. 1,558,769; Oct. 27.
Gear, Progressive change-speed. N. Gherassimoff. 1,559,073; Oct. 27.
Gear-shift-lever lock. J. H. Shaw. 1,559,189; Oct. 27.
Gears and shafts, Aligning meter for land and marine. W. Eccles. 1,559,230; Oct. 27.
Gem. M. L. Robbins. Des. 68,596–7; Oct. 27.
Glass, Apparatus for feeding molten. H. B. Chalmers. 1,558,790; Oct. 27.
Glass-cutter holder, Cylindrical-. J. R. Uhler. 1,559,477; Oct. 27.
Glass, Light-transmitting. C. A. B. Halvorson, jr. Des. 68,575; Oct. 27.
Glass lighting globe. M. W. Gleason. Des. 68,572–3; Oct. 27.
Glass, Process and machine for fire-polishing. J. Hastreiter. 1,559,094; Oct. 27.
Glass sign plates, Mold for making. J. H. Williams. 1,559,394; Oct. 27.
Glove, Fountain. H. P. Schuck. 1,558,930; Oct. 27.
Gold compound and making same, Complex. M. Bockmühl, G. E. Ehrhart, and P. Fritzsche. 1,558,584; Oct. 27.
Golf apparatus. F. S. Smith. 1,558,767; Oct. 27.
Golf ball. H. F. Mitzel. 1,558,706; Oct. 27.
Golf club. L. V. Barach. 1,559,299; Oct. 27.
Golf club. A. W. Miller. 1,558,703; Oct. 27.
Golf-drive tester. C. W. Norris. 1,559,354; Oct. 27.
Golf playing apparatus. F. S. Smith. 1,558,766; Oct. 27.
Governor. E. J. Blake. 1,559,065; Oct. 27.
Governor. R. F. Cheney. 1,558,791; Oct. 27.
Governor. O. T. Nichol. 1,559,125; Oct. 27.
Grab. E. T. Bennington. 1,558,778; Oct. 27.
Grader. G. C. Hill and J. H. Taylor. 1,559,168; Oct. 27.
Grain and for other analogous purposes, Apparatus for pickling and/or mixing. A. J. Bishop. 1,558,580; Oct. 27.
Graphical records, Reproducing sound from. R. Hart. 1,558,673; Oct. 27.
Grate shaker. J. W. Hulson. 1,559,433; Oct. 27.
Gravity acceleration, Apparatus for demonstrating. D. G. Smyth. 1,559,192; Oct. 27.
Grid-leak resistance. R. Woods and W. H. Le Breton. 1,559,493; Oct. 27.
Grinding machine. A. Williams. 1,558,525; Oct. 27.
Grinding machine. F. D. Van Norman. 1,559,206; Oct. 27.
Grinding machine. J. E. Gilbert. 1,559,245; Oct. 27.
Ground-line section of poles, Preserving. R. Leedom. 1,559,507; Oct. 27.
Gums and resinous products of coniferous pine trees, Decolorizing and refining. A. R. Autrey. 1,559,309; Oct. 27.
Gun, Automatic. H. M. Rockwell. 1,558,566; Oct. 27.
Gyroscopes, Controlling and braking device for ships'. H. H. Thompson. 1,558,720; Oct. 27.
Gyroscopes, Controlling and braking device for ships'. H. H. Thompson. 1,558,722; Oct. 27.
Gyroscopic stabilizing system. H. H. Thompson. 1,558,721; Oct. 27.
Hair curler. A. A. West. 1,558,523; Oct. 27.
Hair-curling iron. J. C. Parshall. 1,558,913; Oct. 27.
Hair-drying comb. J. U. Korée. 1,558,679; Oct. 27.
Hair, Supporting auxiliary. J. Sénégas. 1,558,931; Oct. 27.
Hair to wavers, Clip for securing. E. G. Unger. 1,558,951; Oct. 27.
Hair-trimming guide. J. Parsiale. 1,559,363; Oct. 27.
Hairpin. W. E. Bennett. 1,558,578; Oct. 27.
Hammock. S. R. Bates. 1,559,305; Oct. 27.
Handkerchief case. H. O. Spankus. Des. 68,601; Oct. 27.
Handle for a reciprocating member, Actuating. H. A. Berkman. 1,559,306; Oct. 27.
Hanger: *See*—
Garment hanger.
Harrow, Tractor. J. M. Brooks. 1,559,309; Oct. 27.
Harvester, Beet. E. Burdick. 1,559,501; Oct. 27.
Hawk caller. H. Sherrill. 1,558,934; Oct. 27.
Headlamp device. C. H. Smith. 1,559,191; Oct. 27.
Headlamps, Orienting automobile. J. Thorel. 1,559,204; Oct. 27.
Headlight. J. S. Adams. 1,558,570; Oct. 27.
Headlight-dimming and spotlight-controlling means, Combination. G. H. Hemphill. 1,559,427; Oct. 27.
Headlight mounting and construction. J. S. Adams. 1,558,569; Oct. 27.
Headlight reflector. C. L. Sams. 1,559,185; Oct. 27.
Headlight reflector. O. Winston. 1,559,212; Oct. 27.
Headlights, Operating mechanism for dirigible. G. Cook. 1,559,314; Oct. 27.

Heat energy, Conveying. J. N. D. Heenan. 1,558,871; Oct. 27.
Heat exchanger. E. Prat. 1,559,180; Oct. 27.
Heater: *See*—
Automobile heater. Water heater.
Electric heater.
Heater. W. A. Doble, jr. 1,558,848; Oct. 27.
Heater or similar article, Gas. H. H. Sanford. Des. 68,599; Oct. 27.
Heaters, Radiant for gas. J. H. Grayson. Des. 68,574; Oct. 27.
Heating apparatus. J. W. and R. F. Winterbottom. 1,559,213; Oct. 27.
Heating system. B. Mills. 1,558,907; Oct. 27.
Heating system. E. E. Gold. 1,559,042; Oct. 27.
Heating unit, Electric. A. D. Keene. 1,558,891; Oct. 27.
Hedge cutter. C. N. Breit. 1,558,665; Oct. 27.
Heel and leather base, Uniting a rubber. D. Parks. 1,558,496; Oct. 27.
Heel-attaching machine. J. H. Pope. 1,558,501; Oct. 27.
Heel lift for shoes. W. J. Tompkins. 1,559,382; Oct. 27.
Heel-making machinery. R. C. Simmons. 1,558,765; Oct. 27.
Heel reenforcement and support. L. R. Larson. 1,559,444; Oct. 27.
Heel, Rubber. W. G. Eaton. 1,558,850; Oct. 27.
Helmet-lamp combination, Fireman's. E. H. Parker. 1,559,451; Oct. 27.
Helve guard. C. Ortlieb. 1,558,999; Oct. 27.
Hoisting apparatus. E. D. Hooker. 1,558,614; Oct. 27.
Hoisting aparatus. W. M. Rutan. 1,558,635–6; Oct. 27.
Hoists, Limit stop for electric. F. H. Howard. 1,559,102; Oct. 27.
Hoists, Safety device for. C. R. Welch. 1,558,955; Oct. 27.
Holder. G. R. Shealy and J. K. Derrick. 1,559,288; Oct. 27.
Holder and tool, Combined. J. W. Cochran. 1,559,313; Oct. 27.
Honey extractor. W. Herrod-Hempsall. 1,559,319; Oct. 27.
Hook. H. Schoebel. 1,558,508; Oct. 27.
Hook-and-eye fastener. J. Poole. 1,559,369; Oct. 27.
Horse collar. W. Visser. 1,559,209; Oct. 27.
Hose and pipes, Emergency repair patch for. R. H. Lacy. 1,559,442; Oct. 27.
Hose and the like, Device for facilitating the coiling of. J. P. Stewart. 1,559,470; Oct. 27.
Hose clamp. W. T. Rutledge. 1,559,049; Oct. 27.
Hose coupling. C. C. Farmer. 1,558,601; Oct. 27.
Hose, Safety attachment for rotary. J. E. Hitchcock. 1,558,878; Oct. 27.
Hydraulic brake. R. M. Ryan. 1,559,462; Oct. 27.
Hydrocarbon motor. L. M. Woolson. 1,559,214; Oct. 27.
Ice-cream can. L. Sturges. 1,558,768; Oct. 27.
Ice-cream freezers, Driving apparatus for. J. B. McFerran, jr. 1,558,738; Oct. 27.
Ice cream, Packaging. C. E. Rogers. 1,558,634; Oct. 27.
Ice-cream-sundae cone. J. S. Reilly. 1,558,922; Oct. 27.
Ice pick, Hammer-actuated. F. Mossberg. 1,558,569; Oct. 27.
Ignition system. E. Guelcher. 1,559,248; Oct. 27.
Ignition system. W. W. Hawkins. 1,558,478; Oct. 27.
Ignition system, Double spark-. F. M. Espinosa. 1,559,411; Oct. 27.
Incinerator. G. F. Lenk. 1,558,683; Oct. 27.
Incinerators, Burning chamber for. G. F. Lenk. 1,558,682; Oct. 27.
Index book and producing the same. A. W. Pimm. 1,559,129; Oct. 27.
Index device, Card-. J. H. Rand, jr. 1,558,629; Oct. 27.
Index guide. J. H. Rand. 1,558,756; Oct. 27.
Indicating member. P. Kreisel. 1,558,895; Oct. 27.
Indicator: *See*—
Car and station indicator. Speed indicator.
Direction indicator. Taximeter indicator.
Light indicator.
Induction coil, Casing for. F. J. Reichmann. Des. 68,595; Oct. 27.
Inflatable ball. D. O. Pearce. 1,559,364; Oct. 27.
Ink pad. P. F. Spery. 1,559,294; Oct. 27.
Inkwell, Reservoir. B. M. Morris. 1,559,274; Oct. 27.
Instruction device. B. Richter. 1,558,762; Oct. 27.
Insulator construction. J. M. Peck. 1,558,499; Oct. 27.
Insulators, Making. J. M. Peck, C. V. Bennett, and J. W. Ryan. 1,558,498; Oct. 27.
Interlocking guard. H. S. Patterson, jr. 1,558,914; Oct. 27.
Internal-combustion engine. J. H. Barnard. 1,559,300–1; Oct. 27.
Internal-combustion engine. F. J. Hermann. 1,558,873; Oct. 27.
Internal-combustion engine. G. Hunt. 1,558,885; Oct. 27.
Internal-combustion engine. E. W. Kapraun. 1,559,439; Oct. 27.
Internal-combustion engine. H. W. Lavigne. 1,559,445; Oct. 27.
Internal-combustion engine. F. D. Shepherd. 1,558,933; Oct. 27.
Internal-combustion engine. L. M. Woolson. 1,559,215–6; Oct. 27.
Iron: *See*—
Hair-curling iron. Waffle iron.
Iron from solutions of leucitic rocks, Elimination of. U. Pomilio and F. Giordani. 1,559,179; Oct. 27.
Ironing machine. M. H. Johnson. 1,558,548; Oct. 27.
Ironing machine. W. Colclough. 1,559,075; Oct. 27.
Irons, Support for pressing. A. Zeman. 1,558,662; Oct. 27.
Jack: *See*—
Lifting jack. Pulley jack.
Jack. J. E. Gilchrist. 1,559,418; Oct. 27.
Jar. C. J. Oppenheim, jr. Des. 68,589; Oct. 27.
Jelly strainer and fruit press, Combination. M. N. Mitchell. 1,558,995; Oct. 27.
Jewelry, Article of. F. I. Hammond. 1,559,165; Oct. 27.
Joint: *See*—
Asphalt expansion joint. Expansion joint.
Kettles and like vessels, Means for use in raising the lids of. P. Clark. 1,558,839; Oct. 27.
Keyless lock. J. G. Stegman. 1,558,941; Oct. 27.
Knife switches, Safety lock for. W. F. Purcell. 1,558,628; Oct. 27.
Knitting machine, Circular-. H. E. Katzenmoyer. 1,558,815; Oct. 27.
Labeling machine. E. F. Foster. 1,558,800; Oct. 27.
Lace. C. W. Birkin and E. T. Sands. Des. 68,562–3; Oct. 27.
Lace. S. H. Page. Des. 68,592; Oct 27.
Ladders, Anti-slipping device for. W. A. Hearn. 1,558,479; Oct. 27.
Lamp. H. Kayashima and T. Miyata. 1,559,327; Oct. 27.
Lamp appliance, Therapeutic. D. W. Nichols. 1,558,998; Oct. 27.
Lamp bracket. S. P. Hull. 1,558,808; Oct. 27.
Lamp-socket fixture. F. L. de la Potterie. 1,559,227; Oct. 27.
Lamp, Street signal. F. Milliken. 1,558,905–6; Oct. 27.
Lamp support, Adjustable. C. W. Hallberg. 1,559,092; Oct. 27.
Lasting and thread-fastening machine. F. N. La Chapelle. 1,558,488; Oct. 27.
Lasting machine. F. H. Thompson. 1,558,516; Oct. 27.
Lasting machine. R. F. McFeely. 1,558,737; Oct. 27.
Latch, Door. G. Halinka. 1,558,980; Oct. 27.
Latch, Gear-shift-pedal. J. A. Whipple. 1,558,956; Oct. 27.
Lawn clipper. C. R. St. John. 1,558,568; Oct. 27.
Lead, Making tetra-alkyl. W. S. Calcott. 1,559,405; Oct. 27.
Lens, Ornamental. S. Stephens. Des. 68,604; Oct. 27.
Leer charging mechanism. J. McDermott. 1,558,691; Oct. 27.
License-plate carrier. F. B. Pettit and G. H. Knowlton. 1,559,128; Oct. 27.
Life preserver. W. E. Abbott. 1,559,059; Oct. 27.
Lifting jack. A. C. Hopkins. 1,559,098–9; Oct. 27.
Lifting jack. R. C. McColley. 1,559,045; Oct. 27.
Light: *See*—
Flash light.
Light bulb. W. E. Bock. 1,558,583; Oct. 27.
Light indicator, Defective-. F. J. Thompson and G. V. Arano. 1,558,949; Oct. 27.
Lighting-fixture base. H. Tepfer. Des. 68,606; Oct. 27.
Liquid, Apparatus for delivering measured quantities of. W. C. Van Ringelenstein and T. Riel. 1,559,207; Oct. 27.
Liquid-feed device. R. H. Hazeltine. 1,558,607; Oct. 27.
Liquids, Method and apparatus for avoiding shock chill in precipitating substances from. L. D. Jones. 1,558,619; Oct. 27.
Lock: *See*—
Combination lock. Keyless lock.
Door lock. Permutation lock.
Electric lock. Steering-wheel lock.
Gear-shift-lever lock.
Lock. B. Simonovits and J. Fischer. 1,559,290; Oct. 27.
Lock. J. E. Floyd. 1,559,037; Oct. 27.
Lock. M. E. Naylor. 1,558,562; Oct. 27.
Lock. S. S. Watson, A. W. Beckstrom, and V. Gronberg. 1,558,522; Oct. 27.
Lock. W. H. Hartzler. 1,559,423; Oct. 27.
Lock mechanism. L. E. Carter. 1,559,160; Oct. 27.
Lock support, Slide-. W. F. Cavanagh. 1,559,071; Oct. 27.
Lock washer. J. A. McCoy. 1,558,736; Oct. 27.
Locomotive. S. W. Farnham. 1,558,971; Oct. 27.
Locomotive. W. W. Sloane. 1,559,131; Oct. 27.
Locomotive construction. S. G. Wight. 1,559,488; Oct. 27.
Locomotive drive, Flexible. G. M. Eaton. 1,558,849; Oct. 27.
Locomotive drive mechanism, Electric rack-. H. A. Kjelsberg. 1,558,893; Oct. 27.
Locomotive equalizer. W. W. Sloane. 1,559,130; Oct. 27.
Locomotives, Condenser for. F. Ljungström. 1,559,174; Oct. 27.
Locomotives, Signal attachment for. J. A. Taylor. 1,558,945; Oct. 27.
Loom, Drop-box. J. C. Shambow. 1,559,287; Oct. 27.
Loom shuttles, Thread tension for automatically-threading. E. A. Cunniff. 1,559,224; Oct. 27.
Looms, Shuttle and picker check for. A. Lecomte and A. L'Archeveque. 1,559,172; Oct. 27.
Loose material, Apparatus for handling. G. W. Packer. 1,559,000; Oct. 27.
Loose material, Apparatus for handling. J. S. Housman. 1,558,984; Oct. 27.





Loose material, Apparatus for handling. R. J. Wood. 1,559,023; Oct. 27.
Loud speaker or similar article. J. S. Timmons. Des. 68,608; Oct. 27.
Lubricator. E. Snyder. 1,558,512; Oct. 27.
Lumber piler. F. W. Horstkotte. 1,558,983; Oct. 27.
Mail box. H. C. Coy. 1,559,031; Oct. 27.
Mat: *See*—
Draft-preventing mat.
Mat and making same, No-draft. E. E. Richardson. 1,558,760; Oct. 27.
Mattress retainer. E. N. Miller. 1,559,119; Oct. 27.
Measure or scale, Linear. F. H. Hoare. 1,558,879; Oct. 27.
Metal fabric, Tool or apparatus for bending. E. M. Monaghan and R. Rigby. 1,559,272; Oct. 27.
Metal, Method of and apparatus for purifying molten. R. Mattice. 1,559,342; Oct. 27.
Metal-rolling device. A. F. Rockwell. 1,558,033; Oct. 27.
Metal tie, Self-cushioning. R. L. Powell. 1,559,003; Oct. 27.
Metal wheel. R. J. Burrows. 1,558,785; Oct. 27.
Metallic surfaces against incrustation and corrosion, Protection of. W. Thalhofer. 1,558,647; Oct. 27.
Metallic surfaces which are in contact with water or other liquids, Protecting from incrustation. W. Thalhofer. 1,558,640; Oct. 27.
Meter: *See*—
Water meter.
Milk strainer and cooler. C. E. Henke. 1,558,805; Oct. 27.
Milking machine. N. J. Daysh. 1,559,315; Oct. 27.
Mine-discharging device. H. E. Grieshaber. 1,558,868; Oct. 27.
Mine-drilling machine. I. S. Marshall. 1,559,175; Oct. 27.
Mirror, Rear-view. R. I. Short. 1,558,641; Oct. 27.
Mixing apparatus. O. Prieto y Cruz. 1,558,669; Oct. 27.
Mold. W. T. Lanning. 1,559,443; Oct. 27.
Molding flask. W. H. Holt. 1,558,543; Oct. 27.
Molds, Machine for filling. E. O. Beardsley and W. F. Piper. 1,558,577; Oct. 27.
Motor: *See*—
Hydrocarbon motor.
Motor controller. G. Leddick. 1,559,110; Oct. 27.
Motor regulation, Pressure-controlled means for. C. L. Howse. 1,558,884; Oct. 27.
Mower, Lawn. H. H. Dahl. 1,558,465; Oct. 27.
Mower, Lawn. H. R. Lontz. 1,558,555; Oct. 27.
Musical instrument, Stringed. W. I. Kirk. 1,559,108; Oct. 27.
Musical instruments, Knob positioning machine for. E. J. Gulick. 1,559,164; Oct. 27.
Musical instruments, Pneumatic action of mechanical players for. H. Thomson. 1,558,723; Oct. 27.
Nail distributor. A. E. Hudson. 1,558,481; Oct. 27.
Nail distributor. F. J. Balcom. 1,558,451; Oct. 27.
Necktie holder. S. and T. Hamano. 1,558,870; Oct. 27.
Nest and trap, Hen. M. B. Mathias. 1,558,698; Oct. 27.
Nest, Segregating. J. A. Moore. 1,559,347; Oct. 27.
Nitrogenic and phosphatic combinations, Manufacture of. J. Breslauer and G. Darier. 1,559,516–18; Oct. 27.
Nozzle, Multirange flow. C. F. Bullock. 1,559,155; Oct. 27.
Nozzle, Valve-controlled. H. P. Kraft. 1,558,680; Oct. 27.
Nut, Lock. A. A. Teeple. 1,559,201; Oct. 27.
Nuts, Bleaching. A. W. Christie. 1,558,963; Oct. 27.
Oil burner. C. A. Fifer. 1,558,972; Oct. 27.
Oil burner. F. F. and H. J. Uhl. 1,558,519; Oct. 27.
Oil burner. G. C. Gerow. 1,559,163; Oct. 27.
Oil-burner regulator, Fuel-. W. F. Lewis. 1,558,685; Oct. 27.
Oil can. O. F. Eckard. 1,558,597; Oct. 27.
Oil dropper. J. J. Cronin. 1,558,844; Oct. 27.
Oil, Method of and tank for storing. S. L. Stovall. 1,559,016; Oct. 27.
Oil, Process and apparatus for dehydration of. G. Egloff and J. C. Morrell. 1,559,036; Oct. 27.
Oils, Process and apparatus for dehydrating emulsified. G. Egloff and H. P. Benner. 1,559,035; Oct. 27.
Ophthalmic mountings, Attachment for. L. Strauss. 1,558,715; Oct. 27.
Ores or the like, Apparatus for treating. G. H. Clevenger. 1,558,965; Oct. 27.
Outlet-box structure. J. Morgenstern and J. G. Raquette. 1,559,273; Oct. 27.
Oven. F. P. Collins. 1,559,076; Oct. 27.
Oven, Baker's. J. M. Gantvoort. 1,559,416; Oct. 27.
Oxygenated organic compounds, Production of. A. Mittasch M. Pier, and K. Winkler. 1,558,559; Oct. 27.
Packing fragile articles, Resilient support for. S. H. Goldberg. 1,559,043; Oct. 27.
Pad: *See*—
Ink pad.
Pad holder and pencil sharpener. B. Kumagai. 1,558,818; Oct. 27.
Painting. T. E. Thompson. 1,558,517; Oct. 27.
Pallet-feeding mechanism. H. R. Straight. 1,559,200; Oct. 27.
Pan: *See*—
Scale pan. Vacuum pan.
Paper cover for containers. J. E. Annen and G. O. Frostad. 1,559,028; Oct. 27.
Paper drier. C. W. Shartle. 1,559,188; Oct. 27.
Paper-perforating machine. S. A. Ragan. 1,558,504; Oct. 27.
Paper-hangers' trimming gauge. R. F. Koenig. 1,558,678; Oct. 27.
Paper machines, Electrical control for. V. D. Simons. 1,558,936; Oct. 27.
Paper-sizing process. J. A. De Cew. 1,558,846; Oct. 27.
Paper table, Duplex. F. W. Bernau. 1,559,149; Oct. 27.
Paper, Wall. A. C. Dodman, jr. Des. 68,565–7; Oct. 27.
Pasteboard, cardboard, and the like, Apparatus for testing the strength of. A. Schopper. 1,559,406; Oct. 27.
Pavement or floor, Filling the interstices between the units of a. B. S. McConnell. 1,559,335; Oct. 27.
Pelt or skin dehairing machine. P. C. Donner. 1,558,466; Oct. 27.
Pen, Fountain. T. Kovács. 1,558,553; Oct. 27.
Pencil. F. Kaiser. 1,558,889; Oct. 27.
Percussive machines, Working tool for. E. W. Stevens. 1,559,056; Oct. 27.
Permeameter. S. L. Gokhale. 1,559,085; Oct. 27.
Permutation lock. F. Horak. 1,558,615; Oct. 27.
Petroleum and other hydrocarbon compounds and preparing same, Medium for bleaching, cracking, and desulphurizing. H. and H. Reinbold. 1,558,631–2; Oct. 27.
Petroleums and benzols, Continuous rectification of spirits. E. A. Barbet. 1,559,218; Oct. 27.
Photographic apparatus. J. Mroz. 1,558,906; Oct. 27.
Photographic-printing device. A. G. Ogden. 1,558,622; Oct. 27.
Photographs, Machine for printing. A. M. Josepho. 1,559,438; Oct. 27.
Piano action. C. Koehler. 1,558,817; Oct. 27.
Piano, Player. A. G. Gulbransen and A. H. Boettcher. 1,558,606; Oct. 27.
Picker: *See*—
Berry picker. Cotton picker.
Picture frame. A. J. Kallscheuer. 1,558,987; Oct. 27.
Picture machine, Motion-. C. Andersen. 1,559,298; Oct. 27.
Picture, Motion. W. V. D. Kelley. 1,558,483; Oct. 27.
Pictures and the like, Box for souvenir. G. A. Moroney. Des. 68,586; Oct. 27.
Pictures in natural colors, Method of and apparatus for the manufacture of dispositives for the projection of light. H. Biernhofer. 1,559,316; Oct. 27.
Pile, Composite. H. R. Smith and A. E. Twist. 1,558,939; Oct. 27.
Pin-tag-fastening tool. W. C. Henningsen. 1,559,428; Oct. 27.
Pipe: *See*—
Tobacco pipe.
Pipe caps, Operator for blower-. L. Adelmeyer. 1,559,141; Oct. 27.
Pipe cleaner. E. A. Thornton. 1,558,652; Oct. 27.
Piston, Adjustable pump. R. A. Mueller. 1,558,749; Oct. 27.
Piston-aligning and bearing-fitting fixture, Combined. H. Thomason. 1,559,202; Oct. 27.
Piston mechanism. D. C. Tector. 1,558,515; Oct. 27.
Plaster wall board, Machine and method of making. C. R. Birdsey. 1,558,459; Oct. 27.
Plate or like article. W. H. Tams. Des. 68,605; Oct. 27.
Plate or similar article. F. G. Holmes. Des. 68,576; Oct. 27.
Plow. J. C. Bohmker. 1,559,066; Oct. 27.
Plow. M. Kelp. 1,559,440; Oct. 27.
Plow, Snow. E. M. Cox. 1,558,464; Oct. 27.
Plunger. D. H. Greenwood. 1,558,867; Oct. 27.
Pneumatic tool. E. G. Gartin. 1,558,802; Oct. 27.
Pool-ball rack. D. Freeman. 1,558,539–40; Oct. 27.
Pool balls, Rack for. E. L. Gustafson. 1,558,670; Oct. 27.
Pool-cue tip. H. A. Mallory. 1,558,740; Oct. 27.
Porcelain or glass, Metallization of. A. F. Eljasen. 1,558,853; Oct. 27.
Postage-meter machine, Portable. A. H. Pitney. 1,558,755; Oct. 27.
Power-stopping device. N. L. Dauplaise. 1,558,595; Oct. 27.
Power-transmission mechanism, Electromechanical. A. C. Hess, jr. 1,558,806; Oct. 27.
Power-transmission system, Electrical. A. M. Taylor. 1,559,017; Oct. 27.
Power unit, Portable. K. Rottgardt. 1,558,926; Oct. 27.
Press: *See*—
Drill press. Printing press.
Pressing machine. J. Tedford. 1,558,946; Oct. 27.
Pressure differences, Device for increasing small. G. Wünsch. 1,558,530; Oct. 27.
Pressure gauge and valve cap, Combined. J. E. Wood. 1,558,660; Oct. 27.
Pressure-responsive device. J. H. Becker. 1,559,063; Oct. 27.
Printing forms, Underscoring device for. C. Chisholm. 1,559,074; Oct. 27.
Printing machines, Feed mechanism for. F. Waite. 1,559,387; Oct. 27.
Printing mechanism for printing-telegraph receivers. G. S. Hiltz. 1,558,610; Oct. 27.
Printing plates, Treatment of. E. A. Borden. 1,559,150; Oct. 27.
Printing press. M. Lipton, L. Haenlein, and F. W. Hill. 1,558,686; Oct. 27.
Printing press and like machine. H. J. Schultz. 1,559,051; Oct. 27.

Printing presses, Static-electricity remover and drier for. G. W. Brunner and O. G. and C. P. Wood. 1,558,831; Oct. 27.
Propeller, Screw. H. Leitner. 1,559,173; Oct. 27.
Protective covering. W. C. Roe. 1,559,380; Oct. 27.
Puller: *See*—
Stitch puller.
Pulley jack. D. C. McBride. 1,558,698; Oct. 27.
Pulverizing apparatus. G. P. Jackson. 1,559,170; Oct. 27.
Pulverizing system. V. Z. Caracristi. 1,559,220; Oct. 27.
Pump. B. J. Pepper. 1,559,365; Oct. 27.
Pump. W. H. Campbell. 1,558,788; Oct. 27.
Pump, Duplex rotary. J. Jackson. 1,559,323; Oct. 27.
Pump housing and operating mechanism. S. F. Evelyn. 1,558,798; Oct. 27.
Pump, Rotary. F. Marion. 1,558,696; Oct. 27.
Pumping apparatus. A. H. Hill. 1,558,809; Oct. 27.
Pumping apparatus. T. R. Minert. 1,558,745; Oct. 27.
Pumping mechanism. P. L. Wilbur. 1,559,139; Oct. 27.
Pumps of the screw, centrifugal, and valveless type, Priming and regulating device for. A. B. Seaborne. 1,558,640; Oct. 27.
Pumps, Link cup for chain. J. B. Mayberry. 1,558,490; Oct. 27.
Purse, Bather's. H. Miller. 1,559,270; Oct. 27.
Putting green and similar playing surface. T. M. Fairbairn, A. S. Valdespino, and R. McCart, jr. 1,559,520; Oct. 27.
Quick-set wrench. J. H. Lagreid. 1,559,328; Oct. 27.
Quilling machines, Attachment for. D. Norman. 1,558,621; Oct. 27.
Rack: *See*—
Apparatus rack. Pool-ball rack.
Flower rack.
Radiator-fin-forming machine. M. Witte. 1,558,526; Oct. 27.
Radio picture, Double-image. C. F. Jenkins. 1,559,437; Oct. 27.
Radio receiving sets, Unit control for. M. L. Luján. 1,559,112; Oct. 27.
Radio telegraphy and telephony, Variocoupler for. H. H. Gordon. 1,558,473; Oct. 27.
Radio receiving apparatus, Dial for. B. P. McKinley. Des. 68,585; Oct. 27.
Rail planer. L. A. Swanson. 1,558,943; Oct. 27.
Rail spring, Hammer-. G. F. Abendschein. 1,559,495; Oct. 27.
Railway brakes, Adjusting means for. C. O. Anderson. 1,559,144; Oct. 27.
Railway-crossing gate. R. Davis and E. Gebling. 1,559,034; Oct. 27.
Railway device. N. H. Allison. 1,558,571; Oct. 27.
Railway gate. H. E. Hodgson. 1,559,321; Oct. 27
Railway-signal switch. H. Kassick. 1,558,813; Oct. 27.
Railway switches, Safety-bar attachment for. E. L. Brewer. 1,559,403; Oct. 27.
Railway ticket holder, time table, and advertising device. W. L. Ledine. 1,558,898; Oct. 27.
Railway-traffic-controlling apparatus. L. V. Lewis. 1,558,900; Oct. 27.
Railway-vehicle governing apparatus. C. R. Beall. 1,558,824; Oct. 27.
Razor blades, Machine for tempering. F. G. Henry. 1,559,095; Oct. 27.
Razor, Safety. F. Simon. 1,558,935; Oct. 27.
Rear tool. G. D. Sundstrand. 1,559,296; Oct. 27.
Reel: *See*—
Folding reel.
Reel. E. J. Mordt. 1,559,449; Oct. 27.
Reenforced container. O. W. Anderson. 1,558,771; Oct. 27.
Reenforced products, Method of and apparatus for making. E. L. Greenewald. 1,558,804; Oct. 27.
Reflector. W. H. Spencer. Des. 68,602; Oct. 27.
Refractory materials and articles formed, Manufacture of articles from highly-. S. A. Myler. 1,559,275; Oct. 27.
Refrigerating apparatus, Domestic. F. O. Conill and M. de Lézinier. 1,559,223; Oct. 27.
Register-damper-operating device. W. T. Truax. 1,558,518; Oct. 27.
Regulator: *See*—
Feed regulator. Oil-burner regulator.
Gas regulator. Speed regulator.
Gas-mixture regulator.
Relay. W. O. Beck. 1,559,305; Oct. 27.
Reproducer mounting. C. J. Del' Marmol. 1,558,847; Oct. 27.
Reproducing position. E. J. Murphy and L. P. Hutt. 1,559,525; Oct. 27.
Reproduction of the recorded displacements or vibrations of a medium such as air. W. A. Loth. 1,558,734; Oct. 27.
Retaining device. F. G. Withrow. 1,558,731; Oct. 27.
Retort apparatus for the treatment of materials such as shale, coal, and the like. W. Guy-Pell. 1,558,671; Oct. 27.
Rheostat. P. E. Mills. 1,559,271; Oct. 27.
Rheostat, Liquid. H. A. Taylor. 1,559,473; Oct. 27.
Rhus plant and obtaining same, Irritant product from the. P. Masucci. 1,559,340; Oct. 27.
Ribbon winding and reversing mechanism. F. W. Bernau. 1,559,148; Oct. 27.
Rim. C. L. Hobbs. 1,558,611; Oct. 27.
Ring: *See*—
Candle ring.
Ring expander. F. W. Chenoweth. 1,558,836; Oct. 27.
Road crowner, Automatic. J. B. Walker. 1,558,655; Oct. 27.
Rod: *See*—
Welding rod.
Rod elevator, Sucker-. W. P. Schlinger and G. R. Paranteau. 1,558,638; Oct. 27.
Roll holder. L. F. Brasch. 1,559,151; Oct. 27.
Roof covering. W. Freegard. 1,559,506; Oct. 27.
Roofing element. L. Kirschbraun. 1,559,109; Oct. 27.
Roofing elements, Continuous process for the manufacture of. J. H. Gillis. 1,559,040; Oct. 27.
Roofing felt or like material, Making. F. C. Overbury. 1,558,495; Oct. 27.
Rotary machine. W. Schmied. 1,558,639; Oct. 27.
Roundabout, Tiltable. E. F. Troike. 1,559,476; Oct. 27.
Rubber and similar materials, and to the products obtained thereby, Treating. T. Whittelsey and C. E. Bradley. 1,559,393; Oct. 27.
Rubber articles, Producing. E. J. Ray. 1,558,505; Oct. 27.
Rubber glove. C. H. Maranville. 1,559,114; Oct. 27.
Rubber compound and its manufacture. E. E. A. G. Meyer. 1,558,701; Oct. 27.
Rubber, Compounding. C. C. Loomis and H. E. Stump. 1,558,688; Oct. 27.
Rubber, Process and apparatus for treating reclaimed. H. Hunter and O. M. Ragsdale. 1,558,546; Oct. 27.
Rubber product, Preparation of a dyed. D. J. Meyeringh and P. C. Winand. 1,559,343; Oct. 27.
Rubber vulcanization and product thereof. S. B. Molony. 1,558,707; Oct. 27.
Rubber, Vulcanizing. G. H. Stevens. 1,559,196–8; Oct. 27.
Ruling device. J. and J. E. Hagan. 1,559,089; Oct. 27.
Rust-producing compound. E. Mattice. 1,559,341; Oct. 27.
Safety gate, Automatic. F. W. Muchmore. 1,559,350; Oct. 27.
Sails, Headpiece for. L. J. Larsen. 1,559,264; Oct. 27.
Sash holder, Window-. W. S. Muck. 1,558,748; Oct. 27.
Saw, Link. O. E. Frunk. 1,559,522; Oct. 27.
Saw rig. W. H. Seavey. 1,559,467; Oct. 27.
Scaffolding construction. W. E. Sexton. 1,559,187; Oct. 27.
Scale. T. L. Smith, jr. 1,558,644; Oct. 27.
Scale, Weight-indicating and price-computing. R. Craig. 1,558,843; Oct. 27.
Scale pan. M. H. Hansen. 1,559,093; Oct. 27.
Scales Device for ruling graduated. W. Souder. 1,558,513; Oct. 27.
Screen: *See*—
Car-window screen. Water screen.
Centrifugal screen.
Screen frame and shoe for supporting same. J. O. Wagner. 1,558,727; Oct. 27.
Sealing device. W. J. Winninghoff. 1,558,524; Oct. 27.
Seat structure, Convertible. A. J. Freeman. 1,559,243; Oct. 27.
Sectional boiler. U. D. Hinchey. 1,558,480; Oct. 27.
Selector switch. C. I. Baker. 1,558,822; Oct. 27.
Separator: *See*—
Battery separator. Throttled outlet separator.
Shackle, Cushion-spring. C. B. House. 1,559,101; Oct. 27.
Shade. W. E. Andrews. 1,558,449. Oct. 27.
Shade and curtain-pole holder, Adjustable combination window-. J. J. Fischer. 1,559,081; Oct. 27.
Shade and curtain-rod bracket, Window-. C. P. Newton. 1,559,124; Oct. 27.
Shade-roller attachment. E. N. Yehle. 1,559,530; Oct. 27.
Shade rolls, Reversible bracket and shield for double. W. H. Forse, jr. 1,558,858; Oct. 27.
Shades to rollers, Device for clamping. E. N. Yehle. 1,559,531; Oct. 27.
Shafts, Liquid-sealed gland for rotating. T. Brighouse. 1,558,587; Oct. 27.
Shaped bodies and the product of said method, Making artificiaHy-integrated. P. A. Andrews. 1,559,146; Oct. 27.
Sharpening apparatus, Razor-blade-. E. Leimberg. 1,558,990; Oct. 27.
Shaving apparatus, Holder for the blades of. C. Nittinger. 1,558,711; Oct. 27.
Shears, Billet and bar. A. Friederici. 1,559,082; Oct. 27.
Shears, Ingot and bar. A. Friederici. 1,559,083; Oct. 27.
Sheetlike articles, Mounting for. F. S. Kochendorfer. 1,559,260; Oct. 27.
Shelf and bracket, Combined. A. M. Gray. 1,558,977; Oct. 27.
Shell filler. F. Olsen. 1,558,565; Oct. 27.
Shingle roofing. J. F. Donahue. 1,558,795; Oct. 27.
Ship stabilizer, Multiple gyro. E. A. Sperry. 1,558,514; Oct. 27.
Shirt. E. E. Coble. 1,558,793; Oct. 27.
Shock absorber. P. G. Burdine. 1,558,588; Oct. 27.
Shock absorber, Elastic hub. G. Brouilhiet. 1,559,310; Oct. 27.
Shock-absorbing means. M. C. E. Mulot. 1,558,750; Oct. 27.
Shocker. T. R. O'Brien. 1,558,911; Oct. 27.
Shoe. T. Rodrigues. 1,559,379; Oct. 27.
Shoe, Athletic. D. J. Golden. 1,559,086; Oct. 27.





Shoe-bottom-filler machine. G. H. Maxwell. 1,558,699; Oct. 27.
Shoemaking. F. N. La Chapelle. 1,558,489; Oct. 27.
Shoe stretcher. W. W. White. 1,559,487; Oct. 27.
Shoes, Making. E. Varney. 1,558,520; Oct. 27.
Shoes, Shank for turn. J. R. Bindner. 1,558,664; Oct. 27.
Shuttle, Automatically-threading. H. D. Martin. 1,559,268; Oct. 27.
Signal: *See*—
Automobile signal.
Signal receptacle, Electric-. J. O. Cadieux. 1,559,312; Oct. 27.
Signaling apparatus. A. F. F. Gilson. 1,559,246; Oct. 27.
Signaling device, Selective. W. T. Baker. 1,559,497; Oct. 27.
Skate. J. A. Bried. 1,558,667; Oct. 27.
Skates, Double ratchet for rollers. L. C. Vergano. 1,559,208; Oct. 27.
Skid. A. Bloom. 1,558,581; Oct. 27.
Skylight. A. R. Konsalik. 1,559,261; Oct. 27.
Skyrocket. R. W. Holland. 1,558,542; Oct. 27.
Slack adjuster, Automatic. C. O. Anderson. 1,559,143; Oct. 27.
Sled attachment for motor-driven vehicles. G. V. King. 1,558,816; Oct. 27.
Slicing machine. C. N. Sowden. 1,559,468; Oct. 27.
Smelting furnace and smelting ores therein. G. W. Prince and A. Douglas. 1,559,508–9; Oct. 27.
Smelting furnace and smelting ores therein. J. A. Church, jr. 1,559,510–11; Oct. 27.
Smoke-printing device. P. J. Moloney. 1,559,345; Oct. 27.
Smoker's stand. R. G. Fleming. 1,559,234; Oct. 27.
Snowplow. C. S. Robbins and E. B. Coburn. 1,559,184; Oct. 27.
Soap, Shaving. C. A. Sipe. 1,558,642; Oct. 27.
Soap pump, Liquid-. E. G. Watrous. 1,559,484; Oct. 27.
Soldering machine. L. H. Stein. 1,559,195; Oct. 27.
Sole and heel for footwear, Combined. G. Smith. 1,559,532; Oct. 27.
Sole, Shoe. L. M. Oakley. 1,559,450; Oct. 27.
Sole, Shoe. M. H. Levy. Des. 68,579; Oct. 27.
Solvent and vehicle for resinous and gelatinized material. C. D. Hocker. 1,558,880; Oct. 27.
Sound box and tone arm. J. Zitzerman. 1,559,514; Oct. 27.
Sound-emitting device. J. H. Butcher and A. P. Young. 1,559,158; Oct. 27.
Sound-reproducing machine. T. Hough. 1,558,882; Oct. 27.
Spark plug. J. W. Ridolf. 1,558,923; Oct. 27.
Sparking plug. M. Sacchi. 1,559,463; Oct. 21.
Sparkler. L. V. Aronson. 1,558,450; Oct. 27.
Speed indicator. H. D. Krauss. 1,558,487; Oct. 27.
Speed regulator, Auto automatic. W. S. Reynolds. 1,559,181; Oct. 27.
Spike, Railway. W. F. Ruhter. 1,558,764; Oct. 27.
Spinning and like spindles, Driving mechanism for. G. W. and J. Fraser. 1,559,413; Oct. 27.
Spinning frames and the like, Drawing mechanism for ring-. J. L. Rushton. 1,559,281; Oct. 27.
Spinning machines, Drawing frame for. H. Tschudy. 1,559,383; Oct. 27.
Spinning machines, Roller support for. H. Tschudy. 1,559,384; Oct. 27.
Spotlight attachment. A. C. Sachse. 1,559,464; Oct. 27.
Spray head. A. W. Kirton. 1,558,677; Oct. 27.
Sprayer. C. E. Bradley and J. G. Coffin. 1,558,586; Oct. 27.
Sprayer. J. G. Coffin. 1,558,593; Oct. 27.
Sprayer for destroying vermin on plants, Portable. F. Kiusmeyer. 1,559,258; Oct. 27.
Spring: *See*—
Rail spring. Vehicle spring.
Spring spreader. G. L. E. Klingbeil. 1,558,485; Oct. 27.
Spring suspension. H. B. U. Aronsen. 1,559,029; Oct. 27.
Sprinkler head, Rotatable. W. C. Todd and J. W. Pomeroy. 1,559,019; Oct. 27.
Stand: *See*—
Light stand. Smoker's stand.
Statuette. I. H. Rundquist. Des. 68,598; Oct. 27.
Steam boilers, Controlling the water level in. F. Münzinger. 1,558,997; Oct. 27.
Steel wheel, Pressed-. D. H. Bellamore. 1,558,458; Oct. 27.
Steering device. C. L. Flora. 1,558,856; Oct. 27.
Steering gears of vehicles, Lubricating drag-link connections of the. F. H. Gleason. 1,558,863; Oct. 27.
Steering mechanism for vehicles. O. D. Schvartz. 1,559,050; Oct. 27.
Steering-wheel lock. L. R. Ruthenburg. 1,558,637; Oct. 27.
Stenciling machine. L. A. Thatcher. 1,559,058; Oct. 27.
Stereoscopic device for reproducing objects, Method and. H. Boykow. 1,558,585; Oct. 27.
Stethoscope. P. A. Aurness. 1,559,147; Oct. 27.
Stitch puller. G. Becherer. 1,558,456; Oct. 27.
Stocking protector. C. Pape. 1,559,001; Oct. 27.
Stocking supporter. A. M. Enster. 1,559,233; Oct. 27.
Stool. W. F. Hohorst. 1,558,612; Oct. 27.
Stopper link. J. A. Sexauer. 1,559,053; Oct. 27.
Storage vessel, Pressure. G. Schworetsky. 1,559,052; Oct. 27.
Stove, Heating. F. Yokel. 1,559,217; Oct. 27.
Stove for boiling purposes. G. Dalen. 1,559,162; Oct. 27.
Strip or banding for decorative purposes. B. A. Segar. Des. 68,600; Oct. 27.
Stuffing box, Throttle-rod. L. H. Rogers. 1,558,925; Oct. 27.
Sugar-cane-cutting machine. U. Hiral. 1,559,429; Oct. 27.
Sugar from residual molasses, Separating. C. G. Leonis. 1,558,554; Oct. 27.
Surface-rolling device. F. S. Carson. 1,559,406; Oct. 27.
Surfacing. H. R. Stratford. 1,558,714; Oct. 27.
Surfacing process W. F. Bleecker. 1,558,782; Oct. 27.
Surgical splint, Emergency. H. C. Masland. 1,559,339; Oct. 27.
Sweeping machine, Street-. J. M. Neuert. 1,559,278; Oct. 27.
Switch: *See*—
Electric switch. Railway-signal switch.
Electric-circuit switch. Selector switch.
Electrical plug switch. Telephone switch.
Switch controller. W. Carter. 1,559,407; Oct. 27.
Switch-operating mechanism. H. K. Krantz. 1,558,894; Oct. 27.
Switch-operating mechanism. J. M. Jensen. 1,559,104; Oct. 27.
Switch-operating mechanism. P. B. Parks and J. Van Vulpen. 1,558,712; Oct. 27.
Syringe hypodermic. W. Brody. 1,558,829; Oct. 27.
Table: *See*—
Paper table. Welding table.
Table. F. J. Hekrdle. 1,559,426; Oct. 27.
Tank-rafter bracket. W. W. Ford. 1,558,973; Oct. 27.
Taximeter indicator. H. B. Hewitt. 1,558,874; Oct. 27.
Teapot and coffeepot provided with loose lids. W. G. Barratt. 1,558,776; Oct. 27.
Teapot or similar article. L. Anduze. Des. 68,560; Oct. 27.
Telegraph repeaters, Monitoring set for. J. Herman. 1,558,541; Oct. 27.
Telegraph signaling system. J. R. Carson. 1,559,159; Oct. 27.
Telephone circuits. J. Davidson, jr. 1,558,534; Oct. 27.
Telephone-exchange system. E. S. Gibsch. 1,559,244; Oct. 27.
Telephone-exchange system. H. G. Webster. 1,559,137; Oct. 27.
Telephone-exchange system. E. von Nostitz. 1,558,521; Oct. 27.
Telephone-exchange sytsem. W. H. Matthies and W. P. Albert. 1,559,269; Oct. 27.
Telephone-exchange system. W. T. Powell. 1,559,372; Oct. 27.
Telephone, Loud-speaking. M. C. Hopkins. 1,558,881; Oct. 27.
Telephone receivers, Attachment for. H. T. Hipwell. 1,558,877; Oct. 27.
Telephone switch. H. B. Taylor. 1,558,944; Oct. 27.
Telephone system. E. C. Helwig. 1,558,872; Oct. 27.
Telephone system. W. P. Albert. 1,559,297; Oct. 27.
Telephone system. W. W. Carpenter. 1,558,834; Oct. 27.
Telephone system, Automatic. E. Jacobsen. 1,558,812; Oct. 27.
Telephone system, Automatic. H. G. Webster. 1,559,138; Oct. 27.
Telephone system, Automatic. W. T. Powell. 1,559,371; Oct. 27.
Telephone transmitter. A. B. Smith. 1,558,643; Oct. 27.
Telephotographic sending apparatus. R. Hart. 1,558,672; Oct. 27.
Tennis racket. A. Ryder. 1,558,507; Oct. 27.
Tent, Auto camp-cot. L. A. Wingate. 1,559,211; Oct. 27.
Testing machine. J. G. Coffin. 1,558,594; Oct. 27.
Textile fabric. W. C. Korzinek. Des. 68,578; Oct. 27.
Textile fibers, Process of and apparatus for the bleaching, dyeing, and analogous treatment of. J., T., and J. Brandwood. 1,558,460; Oct. 27.
Textile materials, Drawing-frame carrier for the spinning of artificial. G. Pignal. 1,558,626; Oct. 27.
Textiles, fabrics, and the like, Printing on. J. Folk. 1,559,235; Oct. 27.
Thermostat. R. J. Wensley. 1,559,022; Oct. 27.
Thread control, Safety. R. Breyer. 1,559,152; Oct. 27.
Threads and the like, Cutter for generating. E. W. Miller. 1,558,704; Oct. 27.
Throttled outlet separator. W. M. Marker and W. R. Allen. 1,559,115; Oct. 27.
Ticket, Railway-baggage coupon. W. R. Betham. 1,558,780; Oct. 27.
Tie plate. T. Weiler. 1,559,021; Oct. 27.
Tile-bearing pallets, Mechanism for handling. H. R. Straight. 1,559,199; Oct. 27.
Tile machine, Concrete-. G. Lidseen. 1,559,500; Oct. 27.
Tile-making machine. C. O. Brandell. 1,559,498; Oct 27.
Tile-making machine. W. R. Snyder. 1,559,014; Oct. 27.
Tile, Process and machine for making. C. O. Brandell. 1,559,499; Oct. 27.
Time calculator and printer, Elapsed-. M. E. Merriman. 1,558,743; Oct. 27.
Timer. H. W. Young. 1,558,732; Oct. 27.
Timer, Electrolytic. W. F. Bleecker. 1,558,784; Oct. 27.
Timing mechanism. J. A. Scott. 1,559,186; Oct. 27.

Tip-applying machine. M. Klein and J. A. Stein. 1,559,257; Oct. 27.
Tire, Broad-tread. H. McCreary. Des. 68,584; Oct. 27.
Tire building. T. Midgley. 1,558,904; Oct. 27.
Tire carrier. B. H. Freeland. 1,559,414; Oct. 27
Tire construction, Pneumatic-. B. Ames. 1,559,142; Oct. 27.
Tire core. A. E. Bauman. 1,558,455; Oct. 27.
Tire-rim-adjusting device. C. J. Laundrie. 1,558,989; Oct. 27.
Tire, Vehicle. T. E. Thomas. Des. 68,607; Oct. 27.
Tires from the rims of vehicles, Tool for putting on or removing. R. W. Oakley. 1,559,355; Oct. 27.
Titanium sulphate, Manufacture of. H. N. McCoy. 1,559,113; Oct. 27.
Tobacco-leaf conveyer. J. Golon. 1,558,472; Oct. 27.
Tobacco pipe. R. Butler. 1,558,833; Oct. 27.
Tool. T. W. Gaillard. 1,559,084; Oct. 27.
Tool, Combination. M. Zugermayer. 1,559,494; Oct. 27.
Tool holder, Angularly-adjustable. A. L. Rossberg. 1,558,763; Oct. 27.
Tool shank and handle therefor, Combined. C. Hill. 1,559,097; Oct. 27.
Tooth cleaner. A. A. Hirsh. 1,559,320; Oct. 27.
Tooth-cleaning device. O. I. Waring. 1,559,523; Oct. 27.
Toothbrush. T. A. Buckley. 1,559,519; Oct. 27.
Toothbrushes, Identification device for. M. P. Exline. 1,558,970; Oct. 27.
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Towel cabinet. F. M. Steiner and W. S. Graves. Des. 68,603; Oct. 27.
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Toy. J. A. Hay. 1,559,424; Oct. 27.
Toy. W. H. Alger. Des. 68,559; Oct. 27.
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Toy, Mechanical figure. C. L. Drake. 1,558,537; Oct. 27.
Toy, Mechanically-operated figure. A. Polichek. 1,558,919; Oct. 27.
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Toy race course. F. L. Mills. 1,559,120; Oct. 27.
Toy railway line. E. Whiteley. 1,559,392; Oct. 27.
Tractor antibucking attachment. J. H. Moore. 1,559,121; Oct. 27.
Tractor attachment frame. J. S. Oechsle. 1,558,752; Oct. 27.
Tractors, Cut-out for. H. P. Barras. 1,558,775; Oct. 27.
Train-control system. C. A. Lyon. 1,559,333; Oct. 27.
Train pipes, Automatic coupling for pneumatic. M. Podnar. 1,559,178; Oct. 27.
Trainrail carrier. E. T. Bennington. 1,558,779; Oct. 27.
Transformer, Variable. R. J. Heitzman. 1,559,166; Oct. 27.
Transformer windings. H. L. Cole. 1,558,841; Oct. 27.
Transmission. F. Worthen. 1,558,959; Oct. 27.
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Traveling bag, Hand. A. Bernardo. 1,559,307; Oct. 27.
Trolley pole. L. F. Burnham. 1,558,832; Oct. 27.
Trousers. N. Henry. 1,559,253; Oct. 27.
Truck brake. W. H. Clegg. 1,559,503; Oct. 27.
Truck for handling rugs or the like. W. E. Olson. 1,559,356; Oct. 27.
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Typewriting machine. E. B. Hess, L. C. Myers, and G. F. Handley. 1,559,167; Oct. 27.
Typewriting machine. L. C. Myers. 1,558,708; Oct. 27.
Typewriting machine. L. C. Myers. 1,559,123; Oct. 27.
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Typewriting machine. J. Waldheim. 1,558 953; Oct. 27.
Typewriting machine. J. Waldheim. 1,559,135; Oct. 27.
Typewriter line guard. H. E. West. 1,559,485; Oct. 27.
Typewriters, Paper guide for. H. E. West. 1,559,486; Oct. 27.
Umbrella gear. J. Lutz. 1,559,331; Oct. 27.
Umbrella rib, Flexible. J. Lutz and W. S. Evans. 1,559,332; Oct. 27.
Vacuum cleaner. J. W. Johnson. 1,559,105; Oct. 27.
Vacuum cleaner. O. Brintzenhofe. 1,559,153; Oct. 27.
Vacuum-bulb device. A. R. Swoboda. 1,559,381; Oct. 27.
Vacuum pan. C. White. 1 558,957; Oct. 27.
Vacuum tube. W. G. Houskeeper. 1,558,883; Oct. 27.
Vacuum-tube adapter. L. G. Pacent. 1,559,358; Oct. 27.
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Valve. G. H. Harris. 1,559,044; Oct. 27.
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Valve, Charging. J. O. Carrey. 1,559,222; Oct. 27.
Valve, Discharge and control. J. O. Carrey. 1,558,789; Oct. 27.
Valve, Gasket check. J. H. Barrett. 1,558,777; Oct. 27.
Valve grinder. C. W. Ogle. 1,559,177; Oct. 27.
Valve-grinding machine. T. W. Clarke. 1,559,408; Oct. 27.
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Valves and the like, Container for. J. G. Kingsbury. 1,558,484; Oct. 27.
Valves and valve seats, Tool for reaming. L. O. Beard. 1,558,825; Oct. 27.
Valves, Permutation locking means for. M. Postemsky. 1,559,370; Oct. 27.
Valves, Safety control for fluid-fuel. F. C. Taylor. 1,559,018; Oct. 27.
Vanity box. F. Goertz. 1,558,471; Oct. 27.
Vanity case. S. Clark. 1,558,964; Oct. 27.
Vanity case. S. Morrison. 1,558,492; Oct. 27.
Vanity-case holder. L. O. Wetherell. 1,559,210; Oct. 27.
Vapors, Condensing. E. W. Isom and J. E. Bell. 1,558,811; Oct. 27.
Vase holder. A. M. Richards. 1,559,005; Oct. 27.
Vehicle body. F. D. Suydam, jr. 1,559,529; Oct. 27.
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Vehicle fuel-supply device, Motor-. J. D. Karle. 1,558,482; Oct. 27.
Vehicle signal systems, Switch for. J. A. Forney. 1,559,038; Oct. 27.
Vehicle spring. I. J. Noble. 1,559,353; Oct. 27.
Vehicles and the like, Auxiliary spring for controlling levers on motor. W. Klump. 1,558,486; Oct. 27.
Vehicles, Rear signal light for motor. W. W. Hall. 1,559,249; Oct. 27.
Velocipede. J. H. Nelson. 1,559,276; Oct. 27.
Velocipede and the like. W. L. McGrath. 1,558,557; Oct. 27.
Vending-machine casing. C. P. Price. Des. 68,593; Oct. 27.
Ventilation system. A. W. Stewart. 1,559,057; Oct. 27.
Ventilator. A. L. Riker. 1,559,376–7; Oct. 27.
Ventilators, Electric control for dampers for unit. M. J. Callahan. 1,559,069; Oct. 27.
Ventilators, Fluid control for dampers for unit. M. J. Callahan. 1,559,070; Oct. 27.
Vise, Combination machine. A. Maszczyk. 1,558,742; Oct. 27.
Voltage system, Double-. W. A. Turbayne. 1,559,385; Oct. 27.
Vulcanizer. D. G. Chandler and R. T. Svendsen. 1,559,072; Oct. 27.
Vulcanizing material and apparatus. R. H. Churchill. 1,558,792; Oct. 27.
Waffle iron. A. T. Smith. 1,559,012; Oct. 27.
Wall construction. C. W. Utzman. 1,559,134; Oct. 27.
Wardrobe bag. A. H. Treulieb. 1,558,653; Oct. 27.
Warpers, Yardage stop motion for. E. J. Entwistle and R. W. Doeg. 1,558,969; Oct. 27.
Washboard. C. A. Kummermehr and J. Schilling. 1,559,262; Oct. 27.
Washer: *See*—
Lock washer.
Washing machine. H. I. Lippard. 1,558,733; Oct. 27.
Water gate. A. H. Müller. 1,559,351; Oct. 27.
Water heater. G. M. Bayne. 1,558,823; Oct. 27.
Water heater, Gas. I. Gordon. 1,559,420; Oct. 27.
Water meter. J. Chester. 1,558,532; Oct. 27.
Water screen, Endless traveling. G. R. Roddy and R. J. Hickman. 1,559,535; Oct. 27.
Water-waste preventer. W. H. Gray. 1,558,475; Oct. 27.
Wave generating and modulating system. W. A. Marrison. 1,559,116; Oct. 27.
Weather guard. E. E. Richardson. 1,558,759; Oct. 27.
Weighbeam. A. C. Howard. 1,558,616; Oct. 27.
Welding. T. S. Fuller. 1,559,415; Oct. 27.
Welding, Electric. A. E. Paige. 1,559,360; Oct. 27.
Welding rod. W. F. Stoody. 1,559,015; Oct. 27.
Welding table. L. C. Pritner and L. S. Paul. 1,559,453; Oct. 27.
Well choker. H. E. Allen and P. F. Murray. 1,559,061; Oct. 27.
Well fishing tool. B. L. Ligon. 1,558,902; Oct. 27.
Well hook-on device, Oil-. M. C. Moore. 1,559,348; Oct. 27.
Wells and the like, Centrifugal reamer for oil. W. H. de Fontaine. 1,558,596; Oct. 27.
Wells, Apparatus for and method of renewing oil. I. L. Dunn. 1,558 796; Oct. 27.
Wheat-cleaning apparatus. J. G. Chalmers. 1,558,591; Oct. 27.
Wheel: *See*—
Chain wheel. Metal wheel.
Disk wheel. Steel wheel.
Emergency wheel.
Winding machine. J. D. Joyce. 1,558,326; Oct. 27.
Windmill. F. Ritz. 1,559,378; Oct. 27.
Windmill. H. Terhorst. 1,558,645; Oct. 27.
Windmill. J. Maluchnik. 1,558,903; Oct. 27.
Windshield wiper. J. B. Wachtman. 1,559,482; Oct. 27.
Window. F. H. Hall. 1,558,477; Oct. 27.
Window casement. A. E. Walker. 1,558 954; Oct. 27.
Window construction. L. A. Thomas. 1,558,648; Oct. 27.
Window-frame and sashes, Metal. H. E. Campbell. 1,559,502; Oct. 27.
Window staging. F. A. Upham. 1,558,725; Oct. 27.
Wire stretcher. T. J. Blosick. 1,558,582; Oct. 27.
Wireless, Secret. P. B. Delany. 1,558,535; Oct. 27.
Wrench: *See*—
Quick-set wrench.
Yeast, Production of nutrient media for growing. A. Pollak. 1,558,627; Oct. 27.


# CLASSIFICATION OF PATENTS

## ISSUED OCTOBER 27, 1925.

NOTE.—First number=class, second number=subclass, third number=patent number.


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1,559,266
1,559,322
42: 1,559,009
51: 1,559,234
132— 14: 1,559,055
32: 1,558,913
36: 1,558,951
43: 1,558,523
45: 1,559,363
51: 1,558,578
54: 1,558,931
83: 1,558,471
1,558,492
1,558,984
90: 1,559,330
134— 1: 1,558,589

Type, Distributing stick for. W. H. Storey. 1,558,309; Oct. 20.
Typewriting machine. J. Waldheim. 1,558,319; Oct. 20.
Underpinning. J. B. Goldsborough. 1,558,430; Oct. 20.
Urea from ammonium carbamate, Manufacture of. N. W. Krase and V. L. Gaddy. 1,558,185; Oct. 20.
Vacuum cleaner. P. A. Fisher. 1,558,006; Oct. 20.
Vacuum street cleaner. M. Wagner. 1,557,747; Oct. 20.
Vacuum tube. H. E. Metcalf. 1,558,111; Oct. 20.
Valve. A. L. Forster. 1,558,157; Oct. 20.
Valve. A. Greiner and C. J. Long. 1,557,829; Oct. 20.
Valve and producing same, Ball. S. R. Browne. 1,558,143; Oct. 20.
Valve, Automatic cut-off. B. Mrvosh. 1,557,863; Oct. 20.
Valve, Automatic shut-off. W. E. Johnston. 1,558,093; Oct. 20.
Valve, Flushing. B. Thoens. 1,557,630; Oct. 20.
Valve for carburetors, Auxiliary air. D. Jeannies. 1,558,174; Oct. 20.
Valve for dry-pipe valves, Drip. E. E. Clark. 1,557,559; Oct. 20.
Valve for radiators. J. G. Bain. 1,558,330; Oct. 20.
Valve, Gate. C. A. Dopp. 1,557,926; Oct. 20.
Valve opener, Ferrule-. C. Holtman. 1,557,588; Oct. 20.
Valve-operating mechanism. D. F. Asbury. 1,557,548; Oct. 20.
Vanity case. B. Sommer. 1,558,407; Oct. 20.
Vapors, Absorbing. J. H. Brégeat. 1,558,336; Oct. 20.
Varnish formula. S. P. Ashmore. 1,557,961; Oct. 20.
Vegetable cutter. F. A. Pfeifer. 1,557,611; Oct. 20.
Vehicle. C. J. Weber. 1,557,749; Oct. 20.
Vehicle anchorage device. H. Sternbergh. 1,558,308; Oct. 20.
Vehicle, Automotive. W. M. Mansfield. 1,557,859; Oct. 20.
Vehicle bodies, Attachable upholstery for. P. E. Breneman. 1,558,434; Oct. 20.
Vehicle body. B. Deckhoff. Des. 68,521; Oct. 20.
Vehicle body. L. M. Hendler. Des. 68,533; Oct. 20.
Vehicle body, Metal. P. E. Breneman. 1,558,435; Oct. 20.
Vehicle body stabilizer and equilibrium device. L. P. Cross. 1,557,663; Oct. 20.
Vehicle brake. E. W. Norman. 1,558,390; Oct. 20.
Vehicle construction. A. Seidel. 1,557,783; Oct. 20.
Vehicle landing apparatus. P. K. Westcott. 1,558,130; Oct. 20.
Vehicle, Motor. C. A. Boom. 1,557,969; Oct. 20.
Vehicle parts, Apparatus for gauging. J. W. Schade. 1,557,882; Oct. 20.
Vehicle signal. P. C. Klingbeil. 1,558,183; Oct. 20.
Vehicles, Controller for electric motor. J. Schurch. 1,558,052; Oct. 20.
Vehicles, Cushioning fender for. H. H. Basch. 1,558,332; Oct. 20.
Ventilator: *See*—
Iron ventilator.
Ventilator. L. C. Schaub. 1,558,296; Oct. 20.
Vestibule, Safety. E. E. Spottswood. 1,558,058; Oct. 20.
Vibrators, Holding device for. G. Adelmo. 1,558,327; Oct. 20.
Vision testing, Method of and apparatus for. C. E. and G. R. Ferree. 1,558,348; Oct. 20.
Vulcanizer. O. J. Kuhlke. 1,558,096; Oct. 20.
Wagon, Scooter. L. E. Walter. 1,557,634; Oct. 20.
Wagons, End gate for. W. H. Russell. 1,558,292; Oct. 20.
Wall construction. A. M. Cramer. 1,557,661; Oct. 20.
Washer. E. J. Iverson. 1,558,364; Oct. 20.
Washing machine. L. M. Coker and G. L. Felix. 1,557,983; Oct. 20.
Watch-protecting device. J. Honig. 1,558,359; Oct. 20.
Water-closet chair. E. A. Zundel. 1,557,919; Oct. 20.
Water conveyer. J. E. Taylor. 1,557,629; Oct. 20.
Water elevator, Compressed-air. T. Peters. 1,558,273; Oct. 20.
Water-pan alarm. L. Sommer. 1,558,057; Oct. 20.
Water-tube boiler or the like. R. McGregor. 1,558,379; Oct. 20.
Web-cutting mechanism. A. M. Zuckerman. 1,558,140; Oct. 20.
Weed cutter, Railway. J. Heinz. 1,557,934; Oct. 20.
Weight indicator. F. L. Scott. 1,557,781; Oct. 20.
Welding, Electric resistance. C. A. Hadley. 1,558,353; Oct. 20.
Welding machine, Butt-. P. Fassler. 1,557,573; Oct. 20.
Well capper and flow distributor. G. F. Sockman. 1,558,056; Oct. 20.
Wells, Pressure controller for oil. V. York. 1,557,915; Oct. 20.
Wheel: *See*—
Resilient wheel.
Wheel bracket, Colter-. W. S. Frederick. 1,558,007; Oct. 20.
Wheel holder, lock, and wrench, Combined. S. T. Logan. 1,557,713; Oct. 20.
Wheel-truing device. W. A. Seaman. 1,558,402; Oct. 20.
Wheel with demountable rim. W. F. Morgan. 1,557,862; Oct. 20.
Wind instrument, Keyed. L. M. Evette. 1,557,819; Oct. 20.
Winding and twisting machine. C. R. Keefer. 1,558,179; Oct. 20.
Winding device, Roll-. M. J. Stack. 1,558,059; Oct. 20.
Winding machine. O. H. Folsom. 1,558,429; Oct. 20.
Winding machine, Automatic. J. Josephs and D. T. Berlizheimer. 1,558,177; Oct. 20.
Window adjusters and the like, Friction joint for. W. R. Carroll. 1,557,923; Oct. 20.
Window box. A. Katz. 1,557,594; Oct. 20.
Windshield wiper. B. J. Brownback. 1,558,340; Oct. 20.
Wire-rope dripping clamp. R. L. Porter. 1,558,392; Oct. 20.
Wire spoke. E. W. Stoler. 1,558,126; Oct. 20.
Wood pulp, Treatment of raw material in the manufacture of chemical. G. A. Richter. 1,557,880; Oct. 20.
Wrapping machine. M. B. Ferguson and E. Haas. 1,557,574; Oct. 20.
Wrapping sweetmeats and other articles, Machine for. W. Rose. 1,558,397; Oct. 20.
Wrench: *See*—
Socket wrench.
Wrench. C. W. Hill. 1,557,690; Oct. 20.
Wrench. R. A. Mull. 1,557,864; Oct. 20.
Wringer. J. N. Gould. 1,557,827–8; Oct. 20.
Wringer. F. B. Zieg. 1,557,916; Oct. 20.
X-rays, Apparatus for measuring and detecting. T. W. Case. 1,557,979; Oct. 20.
Yarn spool. E. F. Hathaway. 1,558,264; Oct. 20.
Yeast cells, Inhibiting the deterioration of. M. E. Neil. 1,557,764; Oct. 20.

Patents Nos. 1,559,536 to 1,560,518.

THE
# OFFICIAL GAZETTE
OF THE
# United States Patent Office.

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| Trade-Marks | 362—No. | 205,666 to No. | 206,427, inclusive, |
| T. M. Renewals | 79 | | |
| Labels | 39—No. | 29,406 to No. | 29,444, inclusive, |
| Prints | 11—No. | 8,297 to No. | 8,307, inclusive, |
| Reissues | 8—No. | 16,194 to No. | 16,201, inclusive, |
| Designs | 78—No. | 68,609 to No. | 68,686, inclusive, |
| Patents | 982—No. | 1,559,536 to No. | 1,560,518, inclusive, |
| Total | 1,560 | | |

## Changes in Classification.

Order No. 2,933, of October 14, 1925, provides for the transfer of the following subclass in class 250, Radiant Energy, from Division 51 to Division 16.

41 **Condensers.**

## ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,502,028, F. R. Fuguay, Dispensing apparatus, decided September 22, 1925, claims 1, 2, and 3.

Pat. 1,515,196, P. H. Gaskins, Lubricating device, decided September 14, 1925, claims 1 to 7, inclusive.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 106,283, Leather and canvas boots and shoes, Ashuelot Shoe Company, Keene, N. H. Registered October 19, 1915. Decided September 22, 1925.

T. M. 193,079, Shoes made with canvas tops and rubber soles, Converse Rubber Shoe Co., Malden, Mass. Registered December 16, 1924. Decided September 22, 1925.

## NOTICE TO ATTORNEYS.

**A circular letter reading as follows has been placed in the mail addressed to each attorney on the roster:**

**"Your name appears on the roster of those registered to practice before the United States Patent Office. We are preparing to revise the roster to eliminate the names of those who are dead or who have retired from practice before this Office.**

**"You are reminded that the rules provide that attorneys registered in this Office should keep the Office advised of any change of address. To this end will you please fill out the form below and return this letter immediately.**

**"Your failure to fill out and return this letter will be considered your authorization to remove your name from the roster."**

**Attorneys who have not received this circular and who wish their names to be retained on the roster should immediately write the Commissioner of Patents to that effect and give him their full names and business addresses, together with their registration numbers and the names of any firms of which they are members or with which they are associated.**

9244

## Condition of Applications Under Examination at Close of Business October 23, 1925.

| Room | (Total number of applications awaiting action, excluding Trade-Mark Division, 40,868; Trade-Mark Division, 3,064. Oldest new case, Apr. 14, 1925; oldest amended, Apr. 29, 1925. The dates given are 1925.) Divisions, Examiners, and Subjects of Inventions. | Oldest new application and oldest action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
|---|---|---|---|---|
| 112 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering-Unloaders. | July 29 | Aug. 3 | 565 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | June 18 | May 1 | 804 |
| 331 | 3. RUSH, W. M., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | Aug. 24 | Aug. 6 | 496 |
| 234 | 4. MERRITT, A. B., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material of Article Handling; Hauling and Pulling Implements; Traversing Hoists. | July 24 | July 27 | 555 |
| 105* | 5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | May 22 | May 28 | 894 |
| 318 | 6. LEWERENZ, A. W., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | July 10 | June 26 | 849 |
| 106 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | July 20 | July 22 | 787 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture | July 22 | July 22 | 1,208 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | June 25 | June 1 | 609 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | June 30 | June 20 | 923 |
| 148* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | July 17 | July 10 | 718 |
| 380 | 12. PIERCE, P. P., Machine Elements | June 29 | June 27 | 685 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | June 24 | July 16 | 649 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | June 20 | July 16 | 796 |
| 329 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | July 8 | July 8 | 752 |
| 242* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | June 2 | June 3 | 945 |
| 307 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | Aug. 5 | Aug. 18 | 347 |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | May 23 | May 27 | 736 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | June 25 | Sept. 2 | 475 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches, Safes, Undertaking | July 15 | July 15 | 657 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | June 8 | July 21 | 494 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | July 31 | Aug. 7 | 360 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | May 29 | May 6 | 375 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Aug. 12 | Aug. 26 | 352 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | July 22 | July 15 | 760 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | May 6 | May 4 | 777 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | Aug. 18 | Aug. 24 | 525 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Aug. 8 | Aug. 29 | 687 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | Apr. 14 | Apr. 20 | 1,175 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | July 1 | July 2 | 916 |
| 312 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | Aug. 18 | Aug. 12 | 663 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | June 22 | June 18 | 618 |
| 152 | 33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Aug. 25 | Aug. 24 | 643 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders. | June 4 | June 25 | 587 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | Aug. 1 | Aug. 1 | 633 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | June 16 | July 15 | 1,092 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | May 26 | June 6 | 941 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells. | May 22 | May 27 | 878 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | July 8 | Aug. 8 | 8.. |
| 269 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | June 26 | July 8 | 1,227 |
| 125 | 41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | July 10 | July 6 | 452 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling | May 9 | May 14 | 1,212 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | June 10 | July 23 | 747 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | May 4 | May 22 | 842 |
| 379 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | July 13 | July 15 | 636 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | July 8 | July 7 | 611 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power-Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | June 3 | June 12 | 1,271 |
| 213* | 48. ROEFKE, O. B., Electricity, Conductors; Electricity, General Applications | May 2 | May 9 | 1,574 |
| 239 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification. | June 29 | July 9 | 759 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | June 3 | June 3 | 1,092 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | June 9 | June 6 | 1,578 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | Aug. 11 | Aug. 15 | 544 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens. | July 31 | Aug. 1 | 733 |
| 102 | DESIGNS: C. O. MARKHAM (Acting) | Oct. 5 | Oct. 7 | 364 |
| 163 | TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, Jr. (Trade-Marks | Sept. 9 | Oct. 5 | 1,876 |
| | (Labels and Prints | Sept. 26 | Oct. 12 | 188 |

* Refers to room numbers in the annex.



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Commissioner's Decisions.

### Ex parte Dietsch.

*Decided September 16, 1924.*

CLAIMS—PERMISSIBLE LANGUAGE OF—"NONCIRCULAR."

A limitation such as "noncircular" or "other than circular," having reference to the shank of a collar button, should be accepted as properly defining the element.

Application for patent.

ON PETITION.

BOW TIE.

*Mr. William Steell Jackson* for the applicant.

ROBERTSON, *Commissioner:*

Applicant petitions from the Examiner's ruling that the expression "cross section other than circular," having reference to the shank of a collar button, is objectionable as being negative.

The claim in question originally defined the shank as being "noncircular," which term the Examiner held to be objectionable, whereupon the words above quoted were substituted therefor.

It is a primary requisite that claims should be clear, so that their meaning may be understood without any question. It is true, as stated by the Examiner, that the invention should be defined by what it is and not by what it is not. In the present case, however, the term "cross section other than circular" does define what applicant has. It is a generic expression that distinctly states that the shank of the collar button may be any shape in cross section, within the light of the specification, except circular.

This case clearly distinguishes from *Ex parte Davis*, 14 Gour. 22–19, cited by the Examiner, In that case the claim for a garment did not include any element to support the statement "without a chance of the same sagging at any point." And it was held "that if the claim be amended to positively include the element which prevents sagging of the cloth at any point," the same would be allowed.

In the present case the shank is positively recited as an element, and no reason is apparent why a limitation such as noncircular or other than circular should not be accepted as properly defining the element.

The petition is granted.

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### Ex parte Carr.

*Decided December 26, 1924.*

DESIGNS—DRAWINGS.

Where objection had been made to showing in side elevation in Fig. 2 a part of the article shown in front elevation in Fig. 1, on the ground that the patent might be conceived to cover not only the complete article, but the pertinent features shown in Fig. 2, applicant was permitted to retain both views upon amending his specification so as to describe Fig. 2 as a partial side elevation of the new design shown in Fig. 1.

ON PETITION.

DESIGN FOR ELECTRIC-LAMP STANDS.

*Messrs. Popp & Powers* for the petitioner.

ROBERTSON, *Commissioner:*

Applicant petitions from the Examiner's requirement for further illustration.

The Examiner has objected to the showing of Fig. 2, which is designated as a partial side elevation, on the ground that the showing would confuse the public, since one might readily conceive that the patent covered not only the complete article, but the pertinent features shown in Fig. 2.

In his statement he says that it does not appear that applicant is seeking to claim or cover two different articles; but if the drawing is accepted as now presented the door would be laid open for others to take advantage by laying the foundation for a claim covering more than a single article.

It is apparent from the drawing that if Fig. 2 was amended to show the complete stand, the upper and lower portion thereof would appear in that figure just as in Fig. 1. Under those circumstances no objection is seen to the drawing as presented.

In order to avoid any question as to whether applicant is intending to cover more than one design, the last paragraph of the specification should be amended by inserting after the word "elevation" in line 1 thereof, the words *showing my new design*, and substituting for those words in the last line the word *thereof*, so that this paragraph will read:

Figure 1 is a front elevation showing my new design, and Figure 2 is a partial side elevation thereof.

If this amendment is presented within 20 days from the date hereof, the Examiner is directed to pass the case to issue, if otherwise allowable.

The petition is granted to the extent indicated.

---

### Ex parte Remington Arms Company, Inc.

*Decided December 26, 1924.*

POWER OF ATTORNEY BY ASSIGNEE—ASSIGNMENT NOT RECORDED.

A power of attorney filed by an assignee will not be accepted where the alleged assignment is not placed of record in the assignment records, but is merely filed in the application.

IN THE MATTER of the petition of the Remington Arms Company, Inc., that the power of attorney heretofore given by it to A. A. Dicke and H. C. Dieserud in the application of Walter E. Lippert, Serial No. 689,760, be accepted.

*Mr. A. A. Dicke* for Lippert.

Patents Nos. 1,550,536 to 1,560,518.

# THE OFFICIAL GAZETTE
OF THE
# United States Patent Office.

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### Issue of November 3, 1925.

| | | | |
|---|---|---|---|
| Trade-Marks | 362—No. | 205,666 to No. | 205,427, inclusive, |
| T. M. Renewals | 79 | | |
| Labels | 39—No. | 29,406 to No. | 29,444, inclusive, |
| Prints | 11—No. | 8,297 to No. | 8,307, inclusive, |
| Reissues | 8—No. | 16,194 to No. | 16,201, inclusive, |
| Designs | 78—No. | 68,609 to No. | 68,686, inclusive, |
| Patents | 983—No. | 1,559,536 to No. | 1,560,518, inclusive, |
| Total | 1,560 | | |

## Changes in Classification.

Order No. 2,933, of October 14, 1925, provides for the transfer of the following subclass in class 250, Radiant Energy, from Division 51 to Division 16.

41 Condensers.

## ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,502,028, F. R. Fuguay, Dispensing apparatus, decided September 22, 1925, claims 1, 2, and 3.

Pat. 1,515,196, P. H. Gaskins, Lubricating device, decided September 14, 1925, claims 1 to 7, inclusive.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 106,283, Leather and canvas boots and shoes, Ashuelot Shoe Company, Keene, N. H. Registered October 19, 1915. Decided September 22, 1925.

T. M. 193,079, Shoes made with canvas tops and rubber soles, Converse Rubber Shoe Co., Malden, Mass. Registered December 16, 1924. Decided September 22, 1925.

## NOTICE TO ATTORNEYS.

A circular letter reading as follows has been placed in the mail addressed to each attorney on the roster:

"Your name appears on the roster of those registered to practice before the United States Patent Office. We are preparing to revise the roster to eliminate the names of those who are dead or who have retired from practice before this Office.

"You are reminded that the rules provide that attorneys registered in this Office should keep the Office advised of any change of address. To this end will you please fill out the form below and return this letter immediately.

"Your failure to fill out and return this letter will be considered your authorization to remove your name from the roster."

Attorneys who have not received this circular and who wish their names to be retained on the roster should immediately write the Commissioner of Patents to that effect and give him their full names and business addresses, together with their registration numbers and the names of any firms of which they are members or with which they are associated.

9244

## Condition of Applications Under Examination at Close of Business October 23, 1925.

| Group No. | (Total number of applications awaiting action, excluding Trade-Mark Division, 40,668; Trade-Mark Division, 2,064. Oldest new case, Apr. 14, 1925; oldest amended, Apr. 29, 1925. The dates given are 1925.) Divisions, Examiners, and Subjects of Inventions. | Oldest new application and oldest action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
|---|---|---|---|---|
| 112 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering-Unloaders. | July 29 | Aug. 3 | 565 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | June 18 | May 1 | 504 |
| 331 | 3. RUSH, WM. L., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | Aug. 24 | Aug. 6 | 496 |
| 234 | 4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material of Article Handling; Pushing and Pulling Implements; Traversing Hoists. | July 24 | July 27 | 535 |
| 108* | 5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | May 22 | May 28 | 894 |
| 318 | 6. BEWLEY, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | July 10 | June 26 | 849 |
| 106 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | July 20 | July 22 | 767 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture | July 22 | July 22 | 1,208 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | June 25 | June 1 | 609 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | June 30 | June 29 | 923 |
| 148* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | July 17 | July 10 | 718 |
| 380 | 12. PIERCE, P. P., Machine Elements | June 29 | June 27 | 685 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | June 24 | July 16 | 649 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | June 20 | July 16 | 796 |
| 329 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | July 8 | July 8 | 752 |
| 242* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | June 2 | June 3 | 945 |
| 307 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | Aug. 5 | Aug. 18 | 347 |
| 220 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | May 23 | May 27 | 736 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | June 25 | Sept. 2 | 475 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches, Safes, Undertaking. | July 15 | July 15 | 657 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | June 8 | July 21 | 494 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | July 31 | Aug. 7 | 360 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | May 29 | May 6 | 475 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Aug. 12 | Aug. 26 | 352 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | July 22 | July 15 | 260 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | May 6 | May 4 | 777 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | Aug. 18 | Aug. 24 | 525 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Aug. 8 | Aug. 29 | 687 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | Apr. 14 | Apr. 20 | 1,175 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | July 1 | July 2 | 916 |
| 312 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | Aug. 18 | Aug. 12 | 683 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | June 22 | June 18 | 618 |
| 152 | 33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Aug. 25 | Aug. 24 | 643 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders. | June 4 | June 25 | 587 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | Aug. 1 | Aug. 1 | 633 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | June 16 | July 15 | 1,092 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | May 26 | June 6 | 941 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells. | May 22 | May 27 | 878 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | July 8 | Aug. 8 | 2.. |
| 269 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | June 26 | July 8 | 1,227 |
| 125 | 41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | July 10 | July 6 | 452 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling | May 9 | May 14 | 1,212 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | June 30 | July 23 | 747 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | May 4 | May 22 | 642 |
| 379 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | July 13 | July 15 | 636 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | July 8 | July 7 | 611 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power-Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | June 3 | June 12 | 1,271 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications | May 2 | May 9 | 1,574 |
| 239 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification. | June 29 | July 9 | 759 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | June 3 | June 3 | 1,092 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | June 9 | June 6 | 1,678 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | Aug. 11 | Aug. 15 | 844 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens. | July 31 | Aug. 1 | 733 |
| 102 | DESIGNS: C. O. MARKHAM (Acting) | Oct. 5 | Oct. 7 | 264 |
| 163 | TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR. (Trade-Marks | Sept. 5 | Oct. 5 | 1,876 |
| | (Labels and Prints | Sept. 26 | Oct. 12 | 188 |

* Refers to room numbers in the annex.



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Commissioner's Decisions.

EX PARTE DIETSCH.

*Decided September 16, 1924.*

CLAIMS—PERMISSIBLE LANGUAGE OF—"NONCIRCULAR."

A limitation such as "noncircular" or "other than circular," having reference to the shank of a collar button, should be accepted as properly defining the element.

Application for patent.

ON PETITION.

BOW TIE.

*Mr. William Steell Jackson* for the applicant.

ROBERTSON, *Commissioner:*

Applicant petitions from the Examiner's ruling that the expression "cross section other than circular," having reference to the shank of a collar button, is objectionable as being negative.

The claim in question originally defined the shank as being "noncircular," which term the Examiner held to be objectionable, whereupon the words above quoted were substituted therefor.

It is a primary requisite that claims should be clear, so that their meaning may be understood without any question. It is true, as stated by the Examiner, that the invention should be defined by what it is and not by what it is not. In the present case, however, the term "cross section other than circular" does define what applicant has. It is a generic expression that distinctly states that the shank of the collar button may be any shape in cross section, within the light of the specification, except circular.

This case clearly distinguishes from *Ex parte Davis*, 14 Gour. 22–19, cited by the Examiner, In that case the claim for a garment did not include any element to support the statement "without a chance of the same sagging at any point." And it was held "that if the claim be amended to positively include the element which prevents sagging of the cloth at any point," the same would be allowed.

In the present case the shank is positively recited as an element, and no reason is apparent why a limitation such as noncircular or other than circular should not be accepted as properly defining the element.

The petition is granted.

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EX PARTE CARR.

*Decided December 26, 1924.*

DESIGNS—DRAWINGS.

Where objection had been made to showing in side elevation in Fig. 2 a part of the article shown in front elevation in Fig. 1, on the ground that the patent might be conceived to cover not only the complete article, but the pertinent features shown in Fig. 2, applicant was permitted to retain both views upon amending his specification so as to describe Fig. 2 as a partial side elevation of the new design shown in Fig. 1.

ON PETITION.

DESIGN FOR ELECTRIC-LAMP STANDS.

*Messrs. Popp & Powers* for the petitioner.

ROBERTSON, *Commissioner:*

Applicant petitions from the Examiner's requirement for further illustration.

The Examiner has objected to the showing of Fig. 2, which is designated as a partial side elevation, on the ground that the showing would confuse the public, since one might readily conceive that the patent covered not only the complete article, but the pertinent features shown in Fig. 2.

In his statement he says that it does not appear that applicant is seeking to claim or cover two different articles; but if the drawing is accepted as now presented the door would be laid open for others to take advantage by laying the foundation for a claim covering more than a single article.

It is apparent from the drawing that if Fig. 2 was amended to show the complete stand, the upper and lower portion thereof would appear in that figure just as in Fig. 1. Under those circumstances no objection is seen to the drawing as presented.

In order to avoid any question as to whether applicant is intending to cover more than one design, the last paragraph of the specification should be amended by inserting after the word "elevation" in line 1 thereof, the words *showing my new design*, and substituting for those words in the last line the word *thereof*, so that this paragraph will read:

Figure 1 is a front elevation showing my new design, and Figure 2 is a partial side elevation thereof.

If this amendment is presented within 20 days from the date hereof, the Examiner is directed to pass the case to issue, if otherwise allowable.

The petition is granted to the extent indicated.

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EX PARTE REMINGTON ARMS COMPANY, INC.

*Decided December 26, 1924.*

POWER OF ATTORNEY BY ASSIGNEE—ASSIGNMENT NOT RECORDED.

A power of attorney filed by an assignee will not be accepted where the alleged assignment is not placed of record in the assignment records, but is merely filed in the application.

IN THE MATTER of the petition of the Remington Arms Company, Inc., that the power of attorney heretofore given by it to A. A. Dicke and H. C. Dieserud in the application of Walter E. Lippert, Serial No. 689,760, be accepted.

*Mr. A. A. Dicke* for Lippert.

ROBERTSON, *Commissioner:*

The Remington Arms Company, Inc., petitions that the power of attorney heretofore given by it to A. A. Dicke and H. C. Dieserud be accepted.

It appears that in a number of applications, of which this is one, the Remington Arms Company, Inc., have filed to be entered in the application files, but not recorded, assignments to it of the inventions, identifying the application by the title and the date of execution.

When these powers of attorney were filed the petitioner was notified by the Docket Clerk that they could not be accepted until the assignments were recorded in the assignment records. In response to a protest against this action I held, in a letter dated December 3, 1924, that acceptance of these powers was properly refused.

In that letter it was stated that the rules of this Office, which provide that an assignee of the entire interest may be recognized in the prosecution of an application, can be considered to refer only to an assignee whose assignment has been recorded, it being pointed out that alleged transfers of title very often raise questions as to whether they do, in fact, convey the entire title, which questions should be passed upon in the first instance by the Assignment Division.

In the present petition attention is called to the difference in the wording of rules 5 and 20, which provide for the recognition of the assignee of an entire interest in the prosecution, and rules 26 and 185, which relate to the issuance of patents and to the effect of a recorded assignment, it being noted that rules 5 and 20 do not state that the assignment must be placed of record, whereas the other two rules do.

Rules 26 and 185 follow the language of sections 4895 and 4898 of the Revised Statutes, and, strictly speaking, the latter is not a rule of this Office, but merely a statement of what the statute provides.

There is nothing in the statutes which specifies what evidence the Commissioner may accept as to an assignment having been actually made, the only reference therein to assignments, which affects this Office, including a provision that the assignment must first be entered of record. The Commissioner clearly has the authority to provide under what conditions the assignee will be recognized.

If the assignment filed in the application is regarded as sufficient authority for recognizing a power of attorney given by the assignee, the Office will have taken action by virtue of that assignment, and yet if an abstract of title should be ordered by either the inventor or the assignee this assignment will not be referred to therein, since it would not be in the assignment records. Clearly the Office should not consider the assignment at one time and ignore it at another.

While it is true that rules 5 and 20 do not specifically say that the assignment must be of record in order that the assignee may be recognized in the prosecution of the application, these rules have always been so construed. No decision is cited, and none has been found, in which a power of attorney has been accepted where the alleged assignment is not placed of record in the assignment records, but merely filed in the application. For the reasons pointed out in my letter of December 3, 1924, and also because the statutes have provided for recording of assignments, it is believed proper to refuse to accept the power of attorney where the only evidence of the right of the one giving the power is shown by an assignment not recorded in the assignment records, but merely placed in the application.

Of course, this Office cannot compel any assignee to record his assignment, but it is deemed to be within its authority to refuse to accept a power of attorney given by him unless such assignment is recorded in the assignment records.

It is to be noted that the present petition raises what is a moot question unless and until the inventor should attempt to revoke the power of attorney originally given. When this application was filed a power of attorney was given to A. A. Dicke. This power has not been revoked, and under it A. A. Dicke is recognized as the attorney, and his appointment by the alleged assignee is in effect merely a confirmation of the original appointment. The proposed power also appoints H. C. Dieserud as attorney; but under the rules of this Office, Dicke can appoint Dieserud as his associate.

Dicke being thus recognized as the attorney to prosecute the application and having the right to appoint Dieserud as his associate, the petitioner, the Remington Arms Company, Inc., is in no way deprived of any right by the refusal to accept the present power until the assignment is placed on record in the assignment records.

The petition is denied.

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IN RE SUPERIOR BRASS SECURITIES CO.

*Decided December 26, 1924.*

LICENSES—ACCESS TO APPLICATION.

While an assignee of an entire application is entitled to control the prosecution thereof and the assignee of a part interest is entitled to inspect the application, it is not the general practice of the Office to grant to a mere licensee access to an application.

IN THE MATTER of the Superior Brass Securities Co. for leave to examine the application of T.

*Mr. Herman Roth* for Superior Brass Securities Co.

*Messrs. Fraser, Myers & Manley* for T.

ROBERTSON, *Commissioner:*

The Superior Brass Securities Co. request permission to examine the application of T. This request is based upon a contract said to have been entered into between the parties on November 14, 1923.

It is alleged that by this contract the inventor gave to the petitioner an exclusive license to manufacture and sell the oil burner disclosed in the application, that the company paid to the inventor a large sum of money, that the burner was found to be inefficient, and that it is important for the petitioner to be allowed to examine this application, since if the application be not allowed and there be no possibility of a patent being issued thereon, the petitioner would not undertake to further finance the business of manufacturing and selling of said burner.

The petition is vigorously opposed by the applicant, and affidavits have been filed by the applicant, and further affidavits filed by the petitioner.

So far as these affidavits show there is a sharp conflict between the parties to what has taken place and as to whose fault it is that no further progress has been made in the exploitation of the burner.

Obviously this Office cannot undertake to settle disputed questions of facts between the parties to the contract. So far as the alleged breaches of contract are concerned the parties must be left to their proper remedy in a court of competent jurisdiction.

While an assignee of an entire application is entitled to control the prosecution thereof and the assignee of a part interest is entitled to inspect the application, it is not the general practice of the Office to grant to a mere licensee access of an application, and this for the reason that the licensee owns no interest in the patent. No admitted facts are shown here which would justify a departure from that rule. It may be that if a suit is brought by one of the parties against the other the court in determining their respective rights may deem a copy of the application necessary. If a certificate to that effect were filed, the petitioner would be allowed to obtain a copy of the application.

Request is made for an oral hearing; but it is not the general practice to set petitions of this kind for hearing, and no reason is seen for making an exception in this case.

The petition is denied.

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PARRADEE *v.* CRELL.

*Decided October 12, 1925.*

1. INTERFERENCE—ISSUE—COUNTS NOT PATENTABLY DISTINCT FROM EACH OTHER—SUGGESTION BY EXAMINER OF INTERFERENCES—DUTY OF PRIMARY EXAMINER.

Where the Examiner of Interferences awards priority to C. on five counts and to P. on one count, suggesting that the latter might not be patentable to P. over the others, the question of its patentability over the other counts should be carefully considered by the Primary Examiner after the termination of the interference.

2. SAME—SUPERINTENDENT OF FACTORY AND FOREMAN—BURDEN OF PROOF—ORIGINALITY.

Where P. was the foreman in charge of certain work in the factory of which C. was superintendent, *Held* that the burden of proof rested on him, not only because of his position as junior party, but because of this relation, and it was incumbent upon him to show, not only that he had a conception of the invention, but that this invention was not embodied in the instructions which he was admittedly given by C.

3. SAME—EMPLOYER AND EMPLOYEE—DISCLOSURE BY EMPLOYER TO EMPLOYEE.

Where the employer discloses to the employee the general plan of invention, any details which may be worked out by the employee which do not in themselves amount to an independent invention are deemed to be the invention of the employer.

4. SAME—SAME—SUPERINTENDENT OF FACTORY AND FOREMAN THEREIN.

The superintendent of a factory and a foreman therein stand in the legal relation of employer and employee.

5. SAME—SAME—SAME.

It is to be expected that the actual instructions to the workmen would, in the ordinary procedure of work, be given by the foreman rather than by the superintendent.

6. SAME—TESTIMONY—UNCANDID ANSWERS—QUESTIONABLE CONDUCT.

The whole testimony of a party to an interference is discredited by his conduct in obtaining prints of his opponent's application drawing from the stenographer of the attorney for the latter, and his disingenuous answer to a question as to whether he had obtained these prints and a photograph of the machine, as testified to by the stenographer.

[Note.—The application of C. has resulted in Patent No. 1,535,454, April 28, 1925.]

Patent interference No. 44,719.

APPEAL from Examiners in Chief.

SPRING-FORMING MACHINE.

Application of Edward Parradee filed March 8, 1920, No. 364,289.

Application of Albert P. Crell filed April 24, 1919, No. 292,370.

*Mr. Ithiel J. Cilley* for Parradee.

*Mr. Cyrus W. Rice* for Crell.

KINNAN, *First Assistant Commissioner:*

The party Parradee appeals from the decision of the Examiners in Chief affirming the decision of the Examiner of Interferences awarding priority of invention to Crell, the senior party, upon counts 1 to 5, inclusive.

The invention relates to a machine for forming and tempering leaf springs, and its construction is apparent from the counts, of which counts 1 and 4 are illustrative:

1. In a structure of the character described, a vessel adapted to contain a cooling liquid, a conveyer movable in the vessel and carrying co-operating interrelatively movable clamp members adapted to clamp the work between them, an arm swingably carried by the conveyor and adapted to interrelatively move said members into and out of clamping position, a guide for the arm mounted extraneously of the conveyor and adapted to swing the arm to interrelatively move said members as aforesaid.

4. In a structure of the character described, a vessel adapted to contain a cooling liquid, a continuous flexible conveyor, a driven rotatable element, carrying the conveyor, a plurality of co-operating interrelatively movable pairs of clamp members carried in spaced relation by the conveyor, each pair being adapted to clamp the work between them, arms swingingly carried by the conveyor and adapted to interrelatively move the respective pairs of said members into and out of clamping position, a guide for the arms mounted extraneously of the conveyor and adapted to swing the arms to interrelatively move said members as aforesaid, a guide for a portion of the travel of the conveyor mounted extraneously thereof and adjacent said guide for the arms.

The interference as originally declared contained six counts. The Examiner of Interferences awarded priority to Parradee as to count 6 on the ground that it included a limitation which was not disclosed in Crell's application. He suggested that this count might not be patentable over the others, but stated this was a question for the Primary Examiner to determine after the final decision in the interference.

[1] As no appeal was taken by Crell, the decision on priority with respect to that question has become final; but the question of its patentability over the other counts should be carefully considered by the Primary Examiner after the termination of the interference.

[2, 3] The party Parradee is not only the junior party, but the record shows that he was the foreman in charge of certain work in the factory of which Crell was superintendent. The burden of proof, therefore, rests upon him, not only because of his position as junior party, but because of this relation. It is incumbent upon him to show, not only that he had a conception of the invention, but that this invention was not embodied in the instructions which he was admittedly given by Crell. In other words, it is well settled law that where the employer discloses to the employee the general plan of invention any details which may be worked out by the employee which do not in themselves amount to an independent invention, are deemed to be the invention of the employer. *Agawam Co.* v. *Jordan*, 7 Wall. 583.

[4] That the superintendent of a factory and a foreman therein stand in the legal relation of employer and employee is well settled. *Braunstein* v. *Holmes*, 1908 C. D. 341; 133 O. G. 1937; 30 App. D. C. 328.

[5] Admittedly the actual work in building the machine, which was built at the factory of the New Era Spring and Specialty Company, at Grand Rapids, Mich., was done by Parradee or under his directions. The actual instructions to the workmen would in the ordinary procedure of work have been given by the foreman rather than by the superintendent. This was to be expected. The testimony of Crell and of Daniels, the latter being president of the company, and of Miss Holmes shows that Crell prior to November, 1917, actually had a general conception of the invention in issue and disclosed it to Parradee. Even if Parradee came to work for the New Era Spring and Specialty Company in the latter part of October, 1917, rather than on January 1, 1918, as testified by Crell, is immaterial, for there is absolutely nothing to show that Parradee had any idea of a machine of this type or had made any suggestion with relation thereto prior to the time he had entered the employ of the New Era Spring and Specialty Company or prior to the time that Crell directed the building of the machine.

[6] Furthermore, Parradee's whole testimony is discredited by his conduct in obtaining prints of Crell's application drawing from the stenographer of Crell's attorney and the quibble, in his testimony in relation to this, in answer to a question as to whether he had obtained these prints and a photograph of the machine as testified to by the stenographer. He denied that he had done so; but it appears from his later testimony that this denial was based on the ground that the question asked was whether he had been at the attorney's office and obtained these prints on or about the 25th of February, whereas he contended that the date he was at the office was a week later, although he admitted afterwards he was wrong even about that and that he was there on the date that the stenographer had stated.

The testimony has been reviewed fully by the lower tribunal, and no error is found in the holding that Crell had a conception of the invention prior to Parradee's connection with the building of the machine and that he had disclosed to Parradee, who as foreman occupied with respect to Crell the technical relation of employee, the general plan of the machine, and that whatever Parradee did with respect thereto was within the general plan disclosed to him.

It is to be noted in this connection that in interference No. 44,716, which involved another detail of this machine and which also included another party, no appeal was taken by Parradee from the decision of the Examiner of Interferences awarding priority to Crell.

The decision of the Examiners in Chief is affirmed.

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EX PARTE STONE.

*Decided June 7, 1924.*

1. INVENTION—ADJUSTABILITY OF CARRIER OR HOLDER.
   It is so well understood by mechanics generally that a device, such as a carrier or holder, may be made adjustable to accommodate slightly different sized articles that there is no room for inventive concept in such a change.
2. PRIOR KNOWLEDGE—PATENT GRANTED AFTER, BUT APPLIED FOR BEFORE, APPELLANT'S FILING DATE.
   A patent applied for before appellant filed his application, but granted after appellant's filing date, is a good reference back to its filing date for everything that is fully and completely disclosed, and a claim to be patentable thereover must define something involving invention in addition to what the patent covers.
3. DOUBLE PATENTING—PROLONGATION OF MONOPOLY—PATENT FOR GUN WITH SPECIFIC PROJECTILE—APPLICATION FOR SAME PROJECTILE.
   Where a prior patent of applicant's contains claims to the combination of a gun with a projectile of the same character as defined by appealed claim 4 of his application, *Held* that when the patent expires the public should be permitted to use the only embodiment of the invention recited in five claims of the patent which the patent discloses.

[Note.—This application has resulted in Patent No. 1,539,027, May 26, 1925.]

Application for patent.

APPEAL from the Examiners in Chief.

PROJECTILES FOR USE WITH DEPTH-CHARGE PROJECTILES.

Application filed April 3, 1919, Serial No. 287,103.

*Messrs. Brown, Boettcher & Dienner* for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiners in Chief, denying patentability to claims 1 and 4, which are as follows:

1. A projectile for depth charge projectors comprising an arbor adapted to project into the barrel of the piece and to form a piston in said barrel, a saddle carried by said arbor, a container containing a main charge of high explosive and a detonator, and adjustable means for detachably attaching said container to said saddle.

4. A projectile for depth charge projectors, comprising an arbor adapted to project into the barrel of the piece and to form a piston in said barrel, and an elongated container containing high explosive symmetrically attached to the end of said arbor with its axis normal to the axis of said arbor to form a T-shaped assembly.

The references are: Thornycroft, No. 1,340,689, May 18, 1920; Wieser, No. 932,214, August 24, 1909; Machenbach, No. 1,094,340, April 21, 1914; Mills, No. 1,295,050, February 18, 1919.

The Examiners in Chief affirmed the Primary Examiner as to the grounds of rejection of claim 1, but found the Examiner's ground of rejection of claim 4 not sustainable and recommended such claim be denied patentability for other reasons.

[1] The claims relate to a projectile for depth-charge projectors of the type used during the recent war against submarine war vessels. Claim 1 is admitted by applicant to be fully met by Thornycroft as to every feature save that the means for attaching the container to the saddle is not adjustable. As fully set forth by the Examiners in Chief, it is so well understood by mechanics generally that a device, such as a carrier or holder, may be made adjustable to accommodate slightly different sized articles that there is no room for inventive concept in such a change in the Thornycroft construction. It is clear enough this claim is wanting in merit.

[2] Appellant has contended that the Thornycroft patent, though applied for before appellant filed his application, but granted after appellant's filing date, is not properly cited as a reference. It must be held this contention can not be maintained. The patent clearly discloses the fact that the patentee was, before appellant made his invention, in possession of a knowledge of the same construction devised by appellant, save for the adjustability of the attaching means. It is admitted by appellant that a claim like appealed claim 1, with the feature of adjustability eliminated, would not be patentable over Thornycroft, but that the addition of this feature of adjustability to Thornycroft's construction renders a claim including this feature patentable, because the Thornycroft construction can not be used as a basis for the rejection of a claim which defines any construction different therefrom. It is thought to be correct practice to hold that the Thornycroft patent is a good reference back to its filing date of December 9, 1918, for everything that is fully and completely disclosed, and that a claim to be patentable thereover must define something involving invention in addition to what Thornycroft has already patented, notwithstanding such patent issued after applicant filed his application. *Beitman* v. *Strater*, 262 Fed. 443; *Sundh Electric Co.* v. *Interborough Rapid Transit Co.*, 198 Fed. 94; *Millett and Reed* v. *Duell, Commissioner of Patents*, 96 O. G. 1241; 1901 C. D. 410; 18 App. D. C. 186; *Farmers' Handy Wagon Co.* v. *Beaver Silo & Box Mfg. Co.*, 236 Fed. 731; and *Lemley* v. *Dobson-Evans Co.*, 246 O. G. 1203; 1918 C. D. 223; 243 Fed. 391, C. C. of A., 6th Cir.

[3] Claim 4 was denied patentability by the Examiner upon the Thornycroft reference; but the Examiners in Chief sustained applicant's contention that he was entitled, as to this claim, to the filing date of his application No. 192,130, filed September 19, 1917, now Patent No. 1,311,780, for constructive reduction to practice, and since such date was earlier than Thornycroft's filing date the latter's patent was not a reference. The Examiners in Chief, however, recommended the denial of patentability to this claim on the ground that to issue a patent containing this claim would prolong the monopoly granted applicant in his previously-issued patent. It is noted this prior patent of applicant's contains claims to the combination of a gun with a projectile of the same character as defined by this claim 4. Obviously when appellant's patent expires the public should be permitted to use the only embodiment of the invention recited in five claims of the patent which the patent discloses. The use of such a construction as illustrated and claimed in the patent would infringe the present claim 4. It is believed the statute does not contemplate such a prolonging of the monopoly and that the conclusions of the Examiners in Chief that appellant is estopped to claim in his present application the precise projectile claimed in his patent, in combination with the only means for projecting it, the gun, are sound.

The Examiners in Chief also found this claim 4 unpatentable over the construction disclosed in the patent to Wieser. The only difference recited in the appealed claims resides in the shape of the container. While recognizing the advantages of this particular shape of container when used with other features which appellant disclosed, yet it is believed the claim, which recites none of these other features, but only a construction differing in shape from that of Wieser, does not define anything involving invention.

The decision of the Examiners in chief is affirmed.

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EX PARTE VON WILMOWSKY.

*Decided July 21, 1924.*

1. ABANDONMENT OF APPLICATION.
   Where after nearly five years in the Office no material advancement has been made in the case and the applicant has in each instance taken the full year in responding to Office actions, *Held* that he is in no position to request leniency where the question of abandonment is raised by failure to file a responsive amendment.
2. FINAL ACTION—REQUIREMENT TO COMPLY WITH PROVISIONS OF SECTION 4888, REVISED STATUTES.
   Making the second action by the Examiner final was not premature, although it was the first action given on the new claims, where the action was but a repetition substantially of the first action requiring that the disclosure and claims be made to comply with the requirements of section 4888, Revised Statutes, and to make the action final was all the Examiner could do if he regarded his requirement as essential and not met by the previous amendment.
3. ABANDONMENT OF APPLICATION—INCOMPLETE AMENDMENT ON LAST DAY OF YEAR.
   Where the applicant did not contest the propriety of

the final action until the last day of the year, and then presented an amendment which he admitted was incomplete by promising a further amendment, his action did not save the case from abandonment.

Application for patent.

ON PETITION.

LOCOMOTIVE OR TRAVELING MACHINES.

*Felix F. von Wilmowsky* pro se.

KINNAN, *First Assistant Commissioner:*

This petition requests that the Commissioner order a reexamination of this application, particularly of the claims filed Dec. 27, 1921, and including the amendment filed Feb. 15, 1923, which has been denied admission by the Examiner.

The application was, on May 17, 1923, held abandoned by the Examiner on the ground that the amendment filed February 15, 1923, was in no way a complete and proper response to the final action of February 15, 1922.

No further amendment has been filed to meet the objections of the Examiner to the amendment filed Feb. 15, 1923, expressed in the letter of May 17, 1923.

The record shows that on Dec. 27, 1920, the Examiner required that the entire specification and claims be revised. Claims 1 to 27 and 29 were said to be vague, indefinite, and functional, and claims 47, 48, and 49 were pronounced unintelligible. The drawing was objected to as "blind and unintelligible," not showing many of the operating parts, while other parts "are on such a small scale and so jumbled together as to be of little use to an intelligent understanding." The applicant was told "in view of the incomplete understanding of the case any intelligent action is impossible," and that "further action must await * * * a complete revision."

An amendment was filed December 27, 1921, by which a number of minor changes were made in the specification. Claims 1 to 21 and 47, 48, and 49, were canceled and 22 new claims substituted. "Remarks" were appended in which further revision of the specification was *promised*, one reference of record was discussed, and revision of the drawing was promised in connection with the future filing of divisional applications to comply with a previous Office requirement for division.

It seems worthy of note, here, that an inspection of the substitute claims shows almost all of them to be a full page or more in length.

This amendment was answered by the Examiner on February 15, 1922, by again requiring revision of the entire specification and claims, repeating previous requirements, as to the use of reference characters, and repeating previous objections to certain figures of the drawings. New drawings were said to be essential. The claims were said to be "so confused, indefinite, and functionally expressed as to be unintelligible beyond a very general idea of what the applicant desires to do." *The action was made final.*

On February 15, 1923, just a year from this final action, an amendment was presented substituting new pages of description for pages 1 to 16 of the specification and making a large number of what appear to be minor changes in the new claims submitted December 27, 1921. Under "Remarks" in this amendment, a further amendment of the specification and claims with amended drawings was promised "as soon as the same will be ready."

On May 17, 1923, the Examiner held this amendment to be in no way a complete and proper response to the final action of February 15, 1922, refused to enter the amendment, and pronounced the case abandoned.

The instant petition was filed May 16, 1924, a year from the last action, lacking one day.

[1] The record of this case very clearly shows a lack of progress in prosecution. It was filed August 7, 1919, and after nearly five years in the Office no material advancement has been made. The applicant has in each instance taken the full year in responding to Office actions. Under these conditions he is in no position to request leniency where the question of abandonment is raised by failure to file a responsive amendment.

[2] The petition in part contends that the final action given February 15, 1922, was premature, as it was the first action given on the new claims filed December 27, 1921; but the action then made final but was a repetition substantially of the previous Office action. It was, in effect, a requirement that the disclosure and claims be made to comply with the requirements of section 4888, Revised Statutes, and to make the action final was all the Examiner could do if he regarded his requirement as essential and not met by the previous amendment.

[3] The applicant did not contest the propriety of the final action within the year therefrom, but at the end of that year presented an amendment which he admitted was incomplete by saying a further amendment to the specification and claims would be presented with amended drawings "as soon as the same will be ready."

Under these circumstances it can not but be held that the final action of February 15, 1922, was proper and the holding of abandonment under date of May 17, 1923, was correct.

The petition is accordingly denied.

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## CAMPBELL *v.* BLEST.

*Decided July 11, 1924.*

INTERFERENCE—REDUCTION TO PRACTICE.

Where there is no testimony that tests were made under working conditions, and the witness states that the mechanism operated successfully except that certain details were wrong, but it does not appear what those details were or what further tests were made, *Held* that the testimony is not sufficient to establish that there was a reduction to practice of the invention.

Patent interference No. 46,966.

APPEAL from Examiners in Chief.

DOOR OPERATING MECHANISM.

Application of Argyle Campbell filed December 5, 1921. No. 519,827.



Patent granted to Minot C. Blest September 13, 1921, No. 1,590,333, on an application Filed May 10, 1921, No. 468,300.

*Mr. George I. Haight* for Campbell.

*Mr. George C. Lambe* for Blest.

KINNAN, *First Assistant Commissioner:*

This is an appeal by Campbell from the decision of the Examiners in Chief reversing the decision of the Examiner of Interferences and awarding priority to Blest, the senior party, upon an issue which is stated in three counts reading as follows:

1. In a dump car, a sill, a discharge door operating shaft behind said sill and an operating lever mounted on said shaft having a socket portion depending below said sill, said socket portion being movable beyond the outside vertical lines of said sill.

2. In a dump car, a sill, a bodily movable discharge door operating shaft behind said sill, and an operating lever mounted on said shaft and being movable therewith, the end portion of said lever being movable to a position beyond the outside vertical lines of said sill.

3. In a dump car, a sill, a bodily movable and rotatable shaft behind said sill, and an operating lever mounted on said shaft and being movable therewith, said lever having a socket portion depending below said sill and movable to a position beyond the outside vertical lines of said sill.

The counts of the issue correspond to three claims of the Blest patent, which was granted prior to the filing of Campbell's application. The burden is therefore upon Campbell to establish his case beyond a reasonable doubt.

The invention relates to railway dump cars and particularly to the door-operating mechanism therefor.

Both of the parties show a bodily movable and rotatable shaft located behind a side sill of the car. This shaft is referred to in the record as a "creeping" shaft and is of the type shown in the patent to Lindstrom and Streib, No. 791,348, which is owned by the Pressed Steel Car Company, the assignee of Blest. The mechanism for rotating the shaft shown by both parties is similar to that shown in the patent to Campbell, No. 1,284,056.

Count 1 is broad enough to include both the creeping shaft and a shaft that is not bodily movable, while counts 2 and 3 specify a bodily-movable shaft. All the counts specify that the socket portion of the operating lever is movable to a position beyond the outside vertical lines of the sill. The record of the application upon which the Blest patent was granted shows that broader claims, which did not include this limitation, were rejected on the Campbell patent, above cited, and were canceled. In view of this limitation in the claims it is necessary for Campbell to establish either, as he claims, a disclosure to Blest of the specific invention, or a prior conception and reduction to practice, or a prior conception followed by due diligence in reducing the invention to practice.

Blest took no testimony and is therefore confined for his date of conception and reduction to practice to May 10, 1921, the date on which his application was filed. Campbell's application was filed December 5, 1921.

The Examiner of Interferences found that Campbell had established a disclosure of the invention in issue to the Pressed Steel Car Company, Blest's assignee, and in the absence of any denial on the part of Blest that such a disclosure was communicated to him Campbell was entitled to the award of priority under the ruling in *Winslow v. Austin*, 86 O. G. 2171; 1899 C. D. 301; 14 App. D. C. 137. The decision of the Examiner of Interferences is based largely on the ground that the difference between what is shown in Campbell's patent and in certain blue prints, which it is testified on behalf of Campbell were sent to the office of the Pressed Steel Car Company, and the invention in issue was a matter merely of degree and that the assumption is justified that that invention was disclosed. He also held that the testimony on the part of Campbell tended to show a reduction to practice of the invention disclosed in count 1 as early as January 14, 1921, which is prior to the date to which Blest is restricted.

The Examiners in Chief, on the other hand, found that there was no proof of a disclosure to the Pressed Steel Car Company or Blest of a construction in which the socket portion of the operating lever was movable beyond the outside vertical line of the sill. They also held that the testimony was not sufficient to establish a reduction to practice of the invention of count 1, as claimed by Campbell.

Undoubtedly Campbell sent to the Pressed Steel Car Company, several years prior to the dates of the filing of either application herein involved, certain blue prints and also stated that the operating lever shown in these blue prints could be used in connection with a "creeping" shaft. No one of these blue prints, however, discloses with any certainty a structure which is so arranged that the socket of the operating lever can be moved beyond the outside vertical line of the sill. The print No. 3,000 shows nothing more than what is shown in Campbell's Patent No. 1,284,056, and none of the other blue prints shows the parts arranged as specified in the issue.

It is stated in the brief on behalf of Campbell that a comparison of his Patent Office drawings with drawing No. 3,067, Campbell's Exhibit 9, shows that certain figures of the Patent Office drawings were prepared from this blue print. This may be true, but the drawing itself does not establish that the parts were intended to be arranged as specified in the issue, and there is no testimony that they were intended to be so arranged or that there was any disclosure to the Pressed Steel Car Company of such an arrangement. There is no denial of the fact that the drawings in evidence were sent to the Pressed Steel Car Company, but that does not establish a disclosure of the invention in issue to that company unless it is clear from these drawings that the operating socket was to be arranged as specified or that in some way this information was communicated to that company. A careful examination of these drawings and of the letters in evidence fails to disclose that such information was communicated to the Pressed Steel Car Company.

In so far as the claim for a reduction to practice of the invention specified in count 1 is con-

cerned, drawing 2,857°, Campbell's Exhibit 13, does not in and of itself show that the parts were to be arranged as specified. The operating lever having a socket is shown in that drawing, but it can not be determined therefrom alone that this lever was movable to such a position that the socket would be beyond the outside vertical line of the sill. Nobody testifies to this effect, some of the witnesses stating merely that certain cars were built in accordance with this blue print.

But even if it could be held that the invention of count 1 is disclosed in this blue print, the testimony is not sufficient to establish that it was a reduction to practice of the invention. There is no testimony that tests were made of these cars under working conditions, and the witness Zimmer states that the mechanism tested operated successfully except "that certain details were wrong" but it does not appear what these details were, nor does it appear what further tests were made of the car. There is no other evidence of any alleged reduction to practice prior to the filing date of Campbell's application, nor is there any evidence to show what was being done with the invention between the times that the cars were said to have been built and the filing of Campbell's application. Therefore if Campbell is to be held to have established a conception of the invention of count 1 prior to Blest's filing date he was not diligent in reducing the invention to practice.

It is to be noted in connection with the claim of Campbell to have disclosed the invention in issue to the Pressed Steel Car Company that between June, 1918, when he claims to have conceived the invention, and the filing of the application herein involved he filed 22 other applications, many of them relating to door-operating mechanism, but no one of which discloses the invention here claimed. If, as a matter of fact, he had the invention as now claimed in 1918, no reason is seen why he should have waited to file his application therefor until several months after the Blest patent had issued, and the filing of these applications without making any effort to protect the invention of count 1 tends strongly to negative any claim on Campbell's part that he was diligent in reducing the invention of count 1 to practice. The burden of proof beyond a reasonable doubt resting upon Campbell does not seen to me to have been discharged.

The decision of the Examiners in Chief is affirmed.

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EX PARTE SANFORD.

*Decided August 6, 1924.*

1. DISCLAIMER BY PATENTEE—ACKNOWLEDGEMENT OF DISCLOSURE IN PRIOR PATENTS OF CERTAIN STRUCTURAL FEATURES.

A mere recital that an applicant or patentee knew the state of the art when he entered the field or took his patent neither adds to nor detracts from the force of the patent.

2. SAME—NOT SUFFICIENT UNLESS SOMETHING OF DESCRIPTION OR CLAIM IS ABANDONED.

Where in the proposed "disclaiming paragraph" nothing in the patent is abandoned either of description or claim, the paragraph is not a disclaimer under the statute.

ON PETITION.

RAILWAY CARS.

Patent granted March 11, 1924, No. 1,486,547, on an application filed August 31, 1923, Serial No. 660,416.

*Mr. Cyrus Kehr* for Sanford.

KINNAN, *First Assistant Commissioner:*

Petition is taken for the entry of the following "disclaiming paragraph" in the above identified patent:

I am aware that such limited structural channel end sills as are shown by the following recited Letters Patent of the United States are old: No. 731,733, granted to John McE. Ames, June 23, 1903; No. 752,685, granted to Geo. I. King, Feb. 28, 1904; No. 1,268,344, granted to Chas. A. Griffith, June 4, 1918; and No. 1,426,729, granted to Chas. A. Griffith, Aug. 22, 1922.

It is stated in the petition that when the application for this Patent No. 1,486,547 was filed and prosecuted it was intended that such application should relate to the plate-metal end-sill member described and claimed in said application and to combinations including such members, and "not to such limited structural channel end sills as are disclosed" by the above-cited patents, and that therefore "for the purpose of interpreting the claims of his said Letters Patent to definitely limit them as intended and as justified by their language and the language of the specification," the quoted "disclaiming paragraph" is added to the patent specification.

The statute pertinent in the consideration of this petition (sec. 4917 R. S.) reads in part as follows:

Whenever, through inadvertence, accident, or mistake, and without any fraudulent or deceptive intention, a patentee has claimed more than that of which he was the original or first inventor or discoverer, his patent shall be valid for all that part which is truly and justly his own, provided the same is a material or substantial part of the thing patented; and such patentee, his heirs or assigns, whether of the whole or any sectional interest therein, may, on payment of the fee required by law, make disclaimer of such parts of the thing patented as he shall not choose to claim or to hold by virtue of the patent or assignment, stating therein the extent of his interest in such patent.

[1] The paragraph sought to be inserted under this petition merely states that the patenee is aware that certain structural elements shown in certain patents (all granted before patentee's application was filed) are old. But knowledge of these patents is imputed to him under the law (*Robinson on Patents*, sec. 112, 627), and a mere recital that an applicant or patentee knew the state of the art when he entered the field or took his patent neither adds to nor detracts from the force of the patent.

A disclaimer is valid which only abandons something claimed in the patent, but not needed, without broadening or enlarging any claim, and leaving the claims fully supported by the original specification. *Marconi Wireless Telegraph Co. v. De Forest Radio T. and T. Co.*, 243 F. R. 560.

[2] In the proposed "disclaiming paragraph" sought insertion by the instant petition nothing in the patent is abandoned either of description or claim, and therefore the paragraph is not considered to be a disclaimer under the statute.

The petition must be and accordingly is denied.



## PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

918,102, W. C. Tregoning, Socket for incandescent lamps, suits filed Aug. 20, 1925, D. C. Mass., Doc. E 2467, *H. Hubbell, Inc.*, v. *Electrical Products Co., Inc.*, and Doc. E 2468, *H. Hubbell, Inc.*, v. *Salem Lamp Co.*

954,855, F. L. Decarie, Garbage evaporator and crematory, suit filed Aug. 4, 1925, D. C., S. D. Calif., Doc. J 30–M, *Decarie Incinerator Corp.* v. *F. L. Decarie.*

957,170. (See 959,563.)

959,563, Levy & Helbronner, Separation of gases, etc.; 957,170, same, Separation of gases from their mixtures, suit filed July 28, 1925, D. C. Del., Doc. E 578, *Air Reduction Co., Inc.*, v. *Carbo-Oxygen Co. et al.*

1,018,502, Just & Hanaman, Incandescent body for electric lamp, suit filed July 29, 1925, D. C., S. D. Calif., Doc J 25–J, *General Electric Co.* v. *Angelus Lamp Works, Inc., et al.*

1,050,441, R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system, final consent decree sustaining patents and granting injunction (notice dated Aug. 20, 1925), D. C., S. D. N. Y., Doc. E 30/118, *Westinghouse Electric & Mfg. Co. et al.* v. *Radio Receptor Co., Inc., et al.*

1,050,728. (See 1,050,441.)

1,055,681, A. Steiner, Appliance for producing musical sounds, final decree sustaining patent, adjudging infringement by E. Q. Horsman & Aetna Doll Co., Inc., and granting injunction. Bill dismissed as to H. Bowie, E. I. Horsman, B. Goldenberg, and W. Ehrenfeld Aug. 14, 1925, D. C., S. D. N. Y., Doc. E 25/111, *S. Kalman et al.* v. *E. Q. Horsman et al.*

1,068,691, J. G. Moomy, Patch for rubber articles, suit filed July 27, 1925, D. C. Ind., Doc. 937, *J. G. Moomy* v. *G. & J. Tire Co.*

1,072,028, W. O. Platt, Horizontal power-transmission wheel, suit filed June 23, 1925, D. C. Ind., Doc. E 27, *J. Reid Gas Engine Co.* v. *Marion Machine, Foundry & Supply Co.*

1,074,592, R. H. Anderson, Wall bed, suit filed June 22, 1925, D. C., S. D. Calif., Doc. J 9–J, *V. L. Holmes et al.* (*Holmes Bed Mfg. Co.*) v. *Los Angeles Wall Bed Co.*

1,113,149. (See 1,050,441.)

1,176,322, Schumacher & Schumacher, Making plaster board and the like, suit filed Aug. 1, 1925, D. C., S. D. Calif., Doc. J 27–M, *Schumacher Development Corp. et al.* v. *Pacific Building Board Co. et al.*

1,222,645, C. C. McIntosh, Brush construction, suit filed July 24, 1925, D. C., S. D. Calif., Doc. J 23–H, *W. B. Clancy et al.* v. *Los Angeles Brush Mfg. Co.*

1,262,860, 1,263,138, S. B. Smith, Incubator, suit filed Sept. 22, 1924, D. C. S. D. Calif., Doc. I–12–B, *The Buckeye Incubator Co. et al.* v. *E. P. Berk et al.* (*Berk's Hi-Grade Hatchery*). Consent decree Aug. 12, 1925, acknowledging validity of patents and infringement thereof and granting perpetual injunction.

1,263,138. (See 1,262,860.)

1,304,747. (See Re. 15,248.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed July 14, 1925, D. C., S. D. Calif., Doc. J 13–H, *The Bassick Mfg. Co.* v. *W. J. Muller et al.* (*Muller Bros.*).

1,307,734. (See 1,307,733.)

1,339,462, E. Lionne, Protecting covering for boots and shoes, etc., and method of preparing same, appeal filed Feb. 13, 1925, C. C. A. (1 Cir.), Doc. 1834, *The Lionne Co.* v. *Cushman-Hollis Co.* Decree of lower court affirmed (notice dated Aug. 19, 1925).

1,388,383, C. H. Smith, Temperature-controlled safety relief valve for hot-water boilers, suit filed Aug. 11, 1925, D. C. Mass., Doc. E 2466, *C. H. Smith* v. *Boston Brass Co.*

1,398,618, G. F. Albro, Combined office and drop-head typewriter desk, suit filed Aug. 3, 1925, D. C., S. D. Calif., Doc. J 29–H, *The Durard Desk Mfg. Co. et al.* v. *Pacific Desk Co.*

1,410,985, Re. 14,781, R. M. Beard, Electric-light fixture, suit filed Aug. 18, 1925, D. C., S. D. N. Y., Doc. E 33/64, *B. Powell et al.* v. *Planetlite Co., Inc.*

1,411,391, J. D. Tucker, Spoke tightener, suit filed July 10, 1925, D. C. Utah, Doc. E 8928, *Tucker Bros., Mfg. Co.* v. *Intermountain Machine & Stamp Works et al.*

1,443,276, S. C. Roberts, Grinding mill, suit filed Aug. 10, 1925, D. C. Colo., Doc. 7946, *The Roberts Mill & Machinery Co.* v. *The Rex Iron Works Co. et al.*

1,446,093. (See Re. 15,248.)

1,447,000, J. E. Langsdorf, Necktie, suit filed Aug. 12, 1925, D. C., S. D. N. Y., Doc. E 33/48, *Franc-Strohmenger & Cowan, Inc.*, v. *A. Siegman, Inc.*

1,449,102, F. Hayduck, Manufacture of compressed yeast; 1,449,103, same, Process for the manufacture of compressed yeast; 1,449,127, Nilsson & Harrison, Process for producing yeast; 1,449,134, A. Wohl, Method of treating molasses, appeal filed Aug. 17, 1925, C. C. A. (4th Cir.), Doc. 2426, *Federal Yeast Corp.* v. *The Fleischman Co.*

1,449,103. (See 1,449,102.)

1,449,127. (See 1,449,102.)

1,449,134. (See 1,449,102.)

1,454,191, F. Stebler, Brush, suit filed July 24, 1925, D. C., S. D. Calif., Doc. J 18–J, *Stebler Parker Co.* v. *Los Angeles Brush Mfg. Corp.*

1,477,125. (See Re. 15,248.)

1,480,348, Cadgene & Dupont, Fabric-printing machine, final consent decree for plaintiff for injunction July 14, 1925, D. C. Mass., Doc. E 2161, *E. Cadgene et al.* v. *Defiance Mfg. Co.*

1,487,042, J. T. Wilkins, Gas meter; 1,528,728, Houghton & Wilkin, Meter, suit filed June 12, 1925, D. C. Ind., Doc. 934, *The Connersville Blower Co.* v. *P. H. & F. M. Roots Co.*

1,494,670, Delaney & Rasneor, Separator for flowing oil wells, suit filed Aug. 6, 1925, D. C., S. D. Calif., Doc. J 32–H, *Delaney Rasneor Co., Inc.*, v. *The Marine Oil Corp.*

1,516,340, Holdaway & Challacombe, Rotary drilling bit, suit filed Aug. 10, 1925, D. C., S. D. Calif., Doc. J 36–M, *U. S. Tool Co.* v. *Day & Churchill.*

1,520,379, H. H. Wermine, Spool, suit filed June 24, 1925, D. C. Ind., Doc. E 28, *Belden Mfg. Co.* v. *Dudlo Mfg. Co.*

1,528,728. (See 1,487,042.)

Re. 14,781. (See 1,410,985.)

Re. 15,248, W. G. Dingle, Fumigating and spraying apparatus; 1,304,747, same, Method of fumigating; 1,446,093, 1,477,125, R. M. Jackson, Fumigating applicator, suit filed Aug. 14, 1925, D. C. Dela., Doc. E 579, *Owl Fumigating Corp.* v. *California Cyanide Co., Inc.*

## ADJUDICATED PATENTS.

(D. C. Mich.) The Coslett patent, No. 870,937, for rustproofing process and the product, claims 3, 4, 5, and 6 *Held* valid and infringed. *Parker Rust Proof Co.* v. *Ford Motor Co.*, 6 F. (2d) 649.

(C. C. A. Ill.) The Flanigan patent, No. 965,887, for spools on multiple copying machine, claim 42 *Held* infringed. *Heyer Duplicator Co.* v. *Ditto*, 6 F. (2d) 578.

(C. C. A. Mass.) The Butz patent, No. 1,207,494, for device for drying and shaping stockings, claim 38, if valid, *Held* not infringed. *Paramount Textile Machinery Co.* v. *Ipswich Mills*, 6 F. (2d) 572.

(C. C. A. N. Y.) The Kurtz patent, No. 1,216,140, for hat lining *Held* not infringed. *Kurtz* v. *Independent Hat Lining Co.*, 6 F. (2d) 578.

(App. D. C.) The Bobroff patent, No. 1,281,901, for voting machines, claims 2, 4, 11, and 12 *Held* to read on defendant's device and claims 2 and 4 *Held* not anticipated. *Kolinski* v. *Thompson Voting Mach. Co.*, 6 F. (2d) 681.

(D. C. Conn.) The Gubelmann patent, No. 1,429,201, for adding and recording machines, *Held* valid and infringed. *Remington Cash Register Co.* v. *National Cash Register Co.*, 6 F. (2d) 585.

## Disclaimers.

1,216,712.—*Fred F. Main*, Chicago, Ill. COMBINED TYPEWRITING AND COMPUTING MACHINE. Patent dated February 20, 1917. Disclaimer filed October 6, 1925, by the assignee, *Underwood Computing Machine Company.*

Hereby enters its disclaimer to claims numbered 1, 2, 3, and 10, the right to said claims having been established by William S. Gubelmann in interference proceeding No. 43,563.

1,243,669.—*Richard M. Becker*, New York, N. Y. COMBINED TYPEWRITING AND COMPUTING MACHINE. Patent dated October 16, 1917. Disclaimer filed October 6, 1925, by the assignee, *Underwood Computing Machine Company.*

Hereby enters its disclaimer to claims numbered 3, 5, 17, 18, 29, 31, 47, 49, 50, and 55, the right to said claims having been established by William S. Gubelmann in interference proceeding No. 43,553.

1,376,539.—*Isabelle Henne* and *John L. Preo*, New York, N. Y. MACHINE FOR AFFIXING HEELS TO SHOES. Patent dated May 3, 1921. Disclaimer filed September 30, 1925, by the assignee, *United Shoe Machinery Corporation.*

Hereby enters this disclaimer to said claims 1, 2, 3, and 15 of said Letters Patent, which are in the following words, to wit:

"1. A heel-affixing machine of the character described comprising a rotatable table, a circular series of shoe-supporting and heel-pressing devices thereon, means for applying powerful pressure to the devices, and clutches adapted to hold the devices at any degree of pressure while carried by the table from the point of pressure application to a point of release.

"2. A heel-affixing machine of the character described, comprising a rotatable table, a circular series of shoe-supporting and heel-pressing devices thereon, a common pressure-producing means at one region, means whereby said devices are brought successively into operative relation to the pressure-producing means as the table is turned step by step, clutches associated with the several devices adapted to hold the same at any degree of pressure while carried by the table from a point of pressure application to a point of release, and means for releasing the clutches at the latter point.

"3. A heel-affixing machine of the character described, comprising a rotatable table, a circular series of shoe-supporting and heel-pressing devices thereon, a treadle and a common operating connection located at one region, individual connections connected with the several devices adapted to co-operate successively with said common connection, and clutches adapted to hold the devices at any degree of pressure while carried by the table from the point of pressure application to a point of release.

"15. A heel-affixing machine, of the character described, comprising a rotatable table, a circular series of shoe-supporting and heel-pressing instrumentalities thereon, treadle means for applying pressure through said instrumentalities as the latter are brought into operative relation thereto by the step-by-step turning of the table, means for automatically arresting the table at its several operating positions, and clutches for automatically holding the instrumentalities under any degree of pressure."

1,474,990. *Walter Wright*, New York, N. Y. COMBINED TYPEWRITING AND COMPUTING MACHINE. Patent dated November 20, 1923. Disclaimer filed October 6, 1925, by the assignee, *Underwood Computing Machine Company.*

Hereby enters its disclaimer to claims numbered 3, 58, and 64, the right to said claims having been established by William S. Gubelmann in interference proceeding No. 51,247.

1,475,152.—*Walter Wright*, New York, N. Y. COMBINED TYPEWRITING AND COMPUTING MACHINE. Patent dated November 20, 1923. Disclaimer filed October 6, 1925, by the assignee, *Underwood Computing Machine Company.*

Hereby enters its disclaimer to claims numbered 42, 57, 68, 74, 75, 76, 77, 78, 79, 80, 87, 96, 97, 100, 106, 107, and 108, the right to said claims having been established by William S. Gubelmann in interference proceeding No. 51,248.

## Notice of Publication.

U. S. PATENT OFFICE, *Washington, Oct. 19, 1925*

*Home Art Masters, Inc., its assigns or legal representatives, take notice:*

An application was filed in this Office by the Library Bureau, of Cambridge, Mass., for cancellation of trade-mark registration No. 97,675, issued June 16, 1914, to Louise Brigham, of 546 East Eighty-ninth Street, New York, N. Y. The assignment records of this Office show a transfer of title of this registration to the Home Art Masters, Inc., a corporation of New York. Since the Office has been unable to obtain the post-office address of the Home Art Masters, Inc., the proceeding can not be instituted. Therefore notice is hereby given that unless said Home Art Masters, Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

## Interference Notices.

U. S. PATENT OFFICE, *Washington, Oct. 15, 1925.*

*Arondack Spring Company, its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of David J. Fitzgerald, jr., 32 Glen Street, Glens Falls, N. Y., for registration of a trade-mark and trade-mark registered October 9, 1906, No. 56,581, to Arondack Spring Company, Saratoga Springs, N. Y., and a notice of such declaration sent by registered mail to said Arondack Spring Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Arondack Spring Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Oct. 7, 1925.*

*The R. & H. Manufacturing Company, its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of The Columbus Vending Company, 2005 East Main Street, Columbus, Ohio, for registration of a trade-mark and trade-mark registered June 30, 1914, No. 98,089, to The R. & H. Manufacturing Company, corner of Asylum and Spruce Streets, Hartford, Conn., and a notice of such declaration sent by registered mail to The R. & H. Manufacturing Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said The R. & H. Manufacturing Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

# TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 3, 1925.

[VOL. 340. No. 1.]

**The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.**

**Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.**

**As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.**

Ser. No. 179,501. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WAPLES PLATTER GRO. CO., Fort Worth, Tex. Filed Apr. 21, 1923.

ALWAYS RIGHT-MORNING, NOON AND NIGHT

The words "Always Right—Morning, Noon and Night" are disclaimed apart from the other features of the mark as shown.

*Particular description of goods.*—Coffee.

*Claims use* since October, 1922.

Ser. No. 184,123. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COX STORES CO., Little Rock, Ark. Filed Aug. 6, 1923.

Betty Jane

*Particular description of goods.*—Butter, Coffee, Food-Flavoring Extracts, Vinegar, Peanut Butter, Mustard, Salad Dressing, and Rolled Oats.

*Claims use* since July, 1922.

Ser. No. 189,845. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ETABLISSEMENTS MICHEL POTOUS S. A., Paris, France. Filed Dec. 18, 1923.

VEGA

*Particular description of goods.*—Electric Lamps for Automobiles.

*Claims use* since Aug. 25, 1923.

Ser. No. 195,703. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RHÉE DOUGLAS LORRAINE, New York, N. Y. Filed Apr. 17, 1924.

No claim is made to the words "Perfumeur," "Paris," and "New York" appearing on the drawing.

*Particular description of goods.*—Cold Cream, Face Powder, Rouges, and Perfumes.

*Claims use* since Apr. 1, 1924.

Ser. No. 198,570. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) GRAYONA NEEDLECRAFT CORPORATION, New York, N. Y. Filed June 14, 1924.

*Particular description of goods.*—Art Needlework and Novelties—Namely, Centerpieces, Lunch Cloths, Buffet Sets, Sideboard and Dresser Scarfs and Scarfs for Other Purposes That Are Stamped, Stamped Children's Dresses, Stamped Ladies' Apparel, Aprons, and Other Fabrics That Are Stamped for Embroidering.
*Claims use* since Apr. 11, 1916.

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Ser. No. 199,184. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed June 26, 1924.

MICRODYNE

*Particular description of goods.*—Radio Receiving Sets Consisting of Cabinet and Contents.
*Claims use* since May 16, 1924.

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Ser. No. 199,604. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE BOSS WASHING MACHINE COMPANY, Norwood, Ohio. Filed July 5, 1924.

THERMO

*Particular description of goods.*—Washing Machines for Laundry Purposes.
*Claims use* since May, 1923.

Ser. No. 199,830. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN DORMAN, New York, N. Y. Filed July 10, 1924.

No rights are asserted to the exclusive use of the words "Brand," "Trade-Mark," "Quality," and "Purity" apart from the mark shown in the drawing.
*Particular description of goods.*—Food Products—Namely, Tunny Fish and Peeled Tomatoes in a Canned State, Tomato Sauce, Olive Oil, and Black Pepper.
*Claims use* since September, 1921.

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Ser. No. 200,199. (CLASS 45. BEVERAGES, NONALCOHOLIC.) OSCAR C. HIRBOUR, North Brookfield, Mass. Filed July 18, 1924.

The word "Orange" is disclaimed apart from the mark shown.
*Particular description of goods.*—Orange Drink, a Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making the Same.
*Claims use* since Sept. 1, 1923.

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Ser. No. 200,742. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ALPHA-LUX COMPANY, INC., New York, N. Y. Filed July 31, 1924.

SALVATOR

*Particular description of goods.*—Natural Carbonated Mineral Water.
*Claims use* since July 1, 1924.



Ser. No. 200,811. (CLASS 39. CLOTHING.) FIRESTONE-APSLEY RUBBER COMPANY, Hudson, Mass. Filed Aug. 1, 1924.

BALLOON

*Particular description of goods.*—Boots and Shoes of Rubber and Fabric.
*Claims use* since July 9, 1924.

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Ser. No. 201,036. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LITO-FONE COMPANY, INC., New York, N. Y. Filed Aug. 6, 1924.

LITO-FONE

*Particular description of goods.*—Vehicle Signals, Particularly Electric-Light Signals Intended to be Borne by Automobiles and Other Vehicles.
*Claims use* since about February, 1923.

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Ser. No. 201,087. (CLASS 12. CONSTRUCTION MATERIALS.) THE INSULITE CO., International Falls and Minneapolis, Minn. Filed Aug. 7, 1924.

*Particular description of goods.*—Plaster-Base Wall Boards and Sheathing.
*Claims use* since Mar. 14, 1918.

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Ser. No. 201,465. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLIAM ROSENBLOOM, Revere, Mass. Filed Aug. 15, 1924.

MONODIAL

No claim is made to the word "Monodial" apart from the mark shown.
*Particular description of goods.*—Tuning Coils for Radio Receiving Sets.
*Claims use* since Feb. 1, 1924.

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Ser. No. 201,469. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed Aug. 15, 1924.

KUROTEX

Trade-mark consists of the word "Kurotex."
*Particular description of goods.*—Plasters for Corns, Bunions, and Calli and Warts.
*Claims use* since July 10, 1924.

Ser. No. 201,963. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KENT-STRAUS COMPANY, Paterson, N. J. Filed Aug. 28, 1924.

Qualitex

*Particular description of goods.*—Natural and Artificial Silks and Cottons for Drapery Cloth.
*Claims use* since July 1, 1922.

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Ser. No. 202,069. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) H. G. McFADDIN & CO., New York, N. Y. Filed Aug. 30, 1924.

BELLOVA

*Particular description of goods.*—Portable Electric-Lighting Fixtures, Electric Desk Lamps, Electric Dresser Lamps, Electric Boudoir Lamps, Electric Table Lamps, and Electric Floor Lamps.
*Claims use* since about Feb. 1, 1923.

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Ser. No. 202,078. (CLASS 12. CONSTRUCTION MATERIALS.) PURE ASPHALT PRODUCTS COMPANY, New Market, N. J., and New York, N. Y. Filed Aug. 30, 1924.

Puro
Sewer
Seal

The words "Sewer Seal" are disclaimed apart from the mark as shown in drawing.
*Particular description of goods.*—Compound for Sealing Cast-Iron Soil, Water, Terra-Cotta Sewer Pipe Joints, and the Like.
*Claims use* since June 25, 1924.

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Ser. No. 203,075. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DE SOTO PAINT MANUFACTURING CO., Memphis, Tenn. Filed Sept. 26, 1924.

The word "De Soto" is disclaimed except in connection with the other features of the mark sought to be registered.
*Particular description of goods.*—Varnish and Ready-Mixed Paints.
*Claims use* since Apr 18, 1922.

Ser. No. 203,683. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM D. KILBOURN, Colorado Springs, Colo. Filed Oct. 10, 1924.

Picto

*Particular description of goods.*—Synthetic Picture Outfits—that is, Outfits for Assembling Pictures from Picture Elements.
*Claims use* since about July 1, 1924.

Ser. No. 203,770. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEST SIDE WHOLESALE GROCER Co., Chicago, Ill. Filed Oct. 11, 1924.

SUM-NICE

*Particular description of goods.*—Canned Vegetables, Canned Fruits, Canned Fish, Pickles, Catchup, Chili Con Carne, Preserved Fruits, and Flavoring Extracts for Foods.
*Claims use* since September, 1922.

Ser. No. 203,845. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE STRASER CANDY COMPANY, Denver, Colo. Filed Oct. 13, 1924.

No claim is made to color nor to the words "Sanitary Suckers" or to the pictorial representation of the goods apart from the mark as shown.
*Particular description of goods.*—Candy, Suckers.
*Claims use* since Aug. 29, 1921.

Ser. No. 203,932. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) E. A. BERGS FABRIKS AKTIEBOLAG, Eskilstuna, Sweden. Filed Oct. 16, 1924.

*Particular description of goods.*—Tongs, Razors, Common Plane Iron, Round-Nose Plane Iron, Plane Iron, Hollow-Nose Plane Iron, Skew Plane Iron, Toothed Plane Iron, Square Rabbet Plane Iron, Grooving Iron, Plow Bit, Sash-Frame Plane Iron, Molding Plane Iron, Fillet Plane Iron, Firmer Chisel, Turning Chisel, Former Gouge, Mortise Chisel, Wood-Carving Knife, Shoemaker's Knife, Welt Knife, and Leather Knife.
*Claims use* since 1887.

Ser. No. 204,492. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICAN RADIO RELAY LEAGUE, Hartford, Conn. Filed Oct. 28, 1924.

QST
DEVOTED ENTIRELY TO
AMATEUR RADIO

The words "Devoted Entirely to Amateur Radio" are disclaimed except when arranged as set forth.
*Particular description of goods.*—Magazines or Monthly Publications.
*Claims use* since September, 1922.

Ser. No. 204,990. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WORTHAM RIDING DEVICE COMPANY, Dallas, Tex. Filed Nov. 7, 1924.

LIGHTNIN'

*Particular description of goods.*—Roller Coasters.
*Claims use* since Aug. 7, 1924.

Ser. No. 205,236. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GEORGE BANNER SHEPHERD, Lynchburg, Va. Filed Nov. 13, 1924.

CoCo-Lett

Applicant disclaims the word "Coco" apart from the mark shown in the drawing.
*Particular description of goods.*—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Syrup for Making the Same.
*Claims use* since Aug. 1, 1924.



Ser. No. 205,373. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STEHLI SILKS CORPORATION, New York, N. Y. Filed Nov. 15, 1924.

CORDYCREPE

*Particular description of goods.*—Silk Piece Goods.
*Claims use* since July, 1924.

Ser. No. 206,284. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRAD, INC., New York, N. Y. Filed Dec. 5, 1924.

Audiohm

*Particular description of goods.*—Variable-Resistance Units for Controlling Electric Circuits.
*Claims use* since Mar. 25, 1924.

Ser. No. 206,302. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. H. GREBE & CO., INC., Richmond Hill, N. Y. Filed Dec. 5, 1924.

ROTOFORMER

*Particular description of goods.*—Transformers and Inductances.
*Claims use* since July 2, 1924.

Ser. No. 206,668. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE HOLLAND VARNISH COMPANY, LIMITED, Montreal, Quebec, Canada. Filed Dec. 13, 1924.

"Hollaca"

*Particular description of goods.*—Paints of All Kinds, Paint Oils, Paint Enamels, Varnishes, Spirit Varnishes, Combination of Spirit Varnishes and Gums, Lacquers, Stains for Painter's Use, Washes in the Nature of a Paint or Polish for Wooden Surfaces or Automobiles, Finishes for Painter's Use, Oil Colors, Japan Colors, Distemper Colors, Varnish Colors, Fillers for Painter's Use, Turpentine, Prepared Shellac, Zinc Whites, Flat Whites, Driers for Painter's Use, Japans, Calcimine, Floor Wax, Putty, Whiting, Lead Pigments, Paint and Varnish Removers, Automobile and Furniture Polishes.
*Claims use* since December, 1923.



Ser. No. 206,810. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TOWER MANUFACTURING CORPORATION, Boston, Mass. Filed Dec. 16, 1924.

TOWER
Scientific

The word "Scientific" is disclaimed except as shown in the drawing.
*Particular description of goods.*—Head Sets, Loud Speakers, Transformers, Condensers, Coils, and Radio Receiving Sets.
*Claims use* since about Dec. 1, 1922.

Ser. No. 206,951. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRENCH BATTERY & CARBON COMPANY, Madison, Wis. Filed Dec 19, 1924.

IMPERIAL

The letters forming the mark are lined to indicate orange.
*Particular description of goods.*—Dry Batteries.
*Claims use* since July 1, 1922.

Ser. No. 207,501. (CLASS 15. OILS AND GREASES.) GILMORE OIL COMPANY, Los Angeles, Calif. Filed Dec. 31, 1924.

GILMORE
MONARCH OF ALL

Applicant disclaims exclusive right to the use of the word "Gilmore" apart from the mark as shown.
*Particular description of goods.*—Kerosene, Distillate, Fuel Oils, and Road Oils, Gasoline, Greases for Lubricating Purposes, and Lubricating Oil.
*Claims use* since Dec. 1, 1921.

Ser. No. 207,519. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PROGRESSIVE MUSICAL INTRUMENT CORPORATION, New York, N. Y. Filed Dec. 31, 1924.

*Particular description of goods.*—Ukuleles, Banjo Ukuleles, and Mouth Harmonicas.
*Claims use* since September, 1924.

Ser. No. 208,200. (CLASS 11. INKS AND INKING MATERIALS.) WILHELM KORESKA, Vienna, Austria. Filed Jan. 16, 1925.

*Particular description of goods.*—Carbon Papers and Typewriting Ribbons.
*Claims use* since June 16, 1924.

Ser. No. 208,512. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ARTHUR E. DAVIDSON, Chicago, Ill. Filed Jan. 23, 1925.

RED HEAD

*Particular description of goods.*—Ukuleles and Similar Musical Instruments Known as Banjo Ukes.
*Claims use* since July 1, 1924.

Ser. No. 209,184. (CLASS 11. INKS AND INKING MATERIALS.) VON RUFS INK COMPANY, New Haven, Conn. Filed Feb. 6, 1925.

No claim is made for the name "Von Rufs" apart from the mark shown in the drawing.
*Particular description of goods.*—Writing Inks.
*Claims use* since Jan. 1, 1923.

Ser. No. 210,191. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RESAS, INC., New York, N. Y. Filed Feb. 26, 1925.

*Particular description of goods.*—Radio Receiving Sets
*Claims use* since on or about May 25, 1924.

Ser. No. 210,467. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

*Particular description of goods.*—Tea.
*Claims use* since July 10, 1906.

Ser. No. 210,495. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MARX & RAWOLLE, INC., New York, N. Y. Filed Mar. 3, 1925.

MANDAR

The lining expresses shading only.
*Particular description of goods.*—Prepared Shellac and Shellac Substitutes.
*Claims use* since Aug. 1, 1924.



Ser. No. 210,594. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MAY WATERSON, doing business as The Favorite Phonograph Manufacturing Company, New York, N. Y. Filed Mar. 5, 1925.

*Particular description of goods.*—Phonographs.
*Claims use* since Dec. 9, 1923.

Ser. No. 210,800. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LYNCHBURG CANNING COMPANY, Lynchburg, Ohio. Filed Mar. 10, 1925.

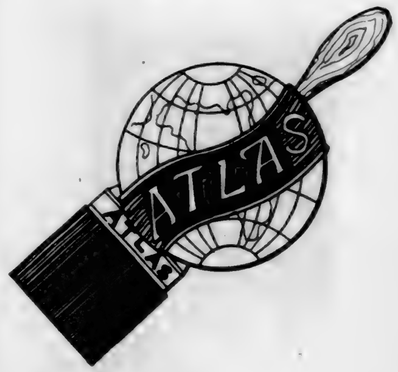
KILTIE

*Particular description of goods.*—Canned Corn.
*Claims use* since Feb. 24, 1925.

Ser. No. 210,839. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FUHRER-FORD MILLING CO., Mt. Vernon, Ind. Filed Mar. 11, 1925.

*Particular description of goods.*—Wheat Flour.
*Claims use* since 1883.

Ser. No. 210,877. (CLASS 20. BROOMS, BRUSHES, AND DUSTERS.) ATLAS BRUSH CORPORATION, Brooklyn, N. Y. Filed Mar. 12, 1925.




No claim is made to the representation of a brush per se.
*Particular description of goods.*—Painter's Brushes.
*Claims use* since Feb. 2, 1925.

Ser. No. 210,896. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis. Filed Mar. 12, 1925.

*Particular description of goods.*—Vehicle Tires Made Wholly or Partly of Rubber.
*Claims use* since Aug. 27, 1924.

Ser. No. 210,899. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FROST FISHING TACKLE COMPANY, Stevens Point, Wis. Filed Mar. 12, 1925.

The lining in the letter F is for shading only.
*Particular description of goods.*—Fishing Tackle—Namely, Artificial Flies, Fishing Hooks Both Plain and Snelled, Leaders of Both Gut and Wire, Trolling Bait; Spinners, Spools, and Swivels for Fishing Bait; Silkworm Gut, and Fishing Lines.
*Claims use* since 1900.

Ser. No. 211,068. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LOREN O. THOMPSON, doing business as L. O. Thompson Company, New York, N. Y. Filed Mar. 14, 1925.

*Particular description of goods.* Silk Piece Goods.
*Claims use* since 1913.

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Ser. No. 211,173. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MABLO-WERKE G. M. B. H., Bad Schwartau near Lubeck, Germany. Filed Mar. 17, 1925.

*Particular description of goods.*—Marchpane.
*Claims use* since March, 1924.

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Ser. No. 211,175. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOWARD B. MCLAUGHLIN, doing business as McLaughlin Co., Canton, Ohio. Filed Mar. 17, 1925.

Airex

*Particular description of goods.*—Electric Stop and Direction Signal Lights for Use on Automobiles.
*Claims use* since Jan. 1, 1925.

Ser. No. 211,831. (CLASS 27. HOROLOGICAL INSTRUMENTS.) CARLOWITZ & CO., Hamburg, Germany. Filed Mar. 30, 1925.

真達利

The trade mark consists of the Chinese characters or words "Han" "Ta" "Li" signifying "to enjoy," "to inform" and "to interest."

*Particular description of goods.*—Time-Keeping Instruments—Namely, Watches, Clocks, and Parts Thereof.
*Claims use* since June 30, 1904.

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Ser. No. 212,200. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIOTIVE CORPORATION, Brooklyn, N. Y. Filed Apr. 4, 1925.

The lining in the drawing is to indicate green color. No claim is made herein to the words "Radiotive Corporation, Brooklyn, N. Y.," and "Type W" apart from the mark shown in the drawing.

*Particular description of goods.*—Radio Loud Speakers, Radio Loud Speaking Phonograph Attachments or Adapters, Radio Receiving Sets, and Radio Electron Tubes.
*Claims use* since Dec. 8, 1922.

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Ser. No. 212,469. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ANDS. KOCH A.-G., Trossingen, Wurttemberg, Germany. Filed Apr. 10, 1925.

No claim is made to the words, "Harmonica A. G." and "Made in Germany."

*Particular description of goods.*—Mouth Organs and Accordions.
*Claims use* since Jan. 1, 1922.



Ser. No. 212,685. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOLMAN SOAP CO., Chicago, Ill. Filed Apr. 14, 1925.

Fairy Garden

*Particular description of goods.*—Cold Cream and Talcum Powder.
*Claims use since* Apr. 15, 1925.

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Ser. No. 213,226. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE COLUMBUS VENDING COMPANY, Columbus, Ohio. Filed Apr. 24, 1925.

The representation of the vending machine shown in the drawing is disclaimed apart from the mark shown.
*Particular description of goods.*—Vending Machines.
*Claims use* since Apr. 9, 1925.

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Ser. No. 213,278. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio. Filed Apr. 25, 1925. Under 10 year proviso.

*Particular description of goods.*—Metal-working Small Tools—Namely, Boring Drills, and Bits of All Kinds, Reamers, Sockets, Drill Holders, Drill Chucks, Arbors, Mandrels, Taps, Mills, Milling Cutters, Countersinks, and Counterbores.
*Claims use* since Sept. 15, 1893.

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Ser. No. 213,292. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FIG-A-LAX CORPORATION, now by change of name, Floria Chemical Company, Inc., New York, N. Y. Filed Apr. 25, 1925.

FIG-WONDERS

No claim is made for the word "Fig" apart from the mark as shown.

*Particular description of goods.*—Laxative.
*Claims use* since about Mar. 27, 1925.

Ser. No. 213,576. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IOWA CANNING CO., Vinton, Iowa. Filed Apr. 30, 1925.

HUB

*Particular description of goods.*—Canned Vegetables—Namely, Canned Corn.
*Claims use* since 1902.

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Ser. No. 213,822. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ZENITH RADIO CORPORATION, Chicago, Illinois. Filed May 4, 1925.

ZENITH

*Particular description of goods.*—Phonographs.
*Claims use* since June, 1922.

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Ser. No. 214,039. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed May 8, 1925.

No claim is made for the words "R. T. Vanderbilt Co.," "N. Y.," "American Products," "Sussex," "Whiting," apart from the distinctive design shown in the drawing.

*Particular description of goods.*—Whiting and Carbonate of Lime Used as a Filler in the Manufacture of Rubber Products.
*Claims use* since Sept. 1, 1923.

Ser. No. 214,288. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) JAMES J. STIVERS, doing business as Humantone Company, New York, N. Y. Filed May 13, 1925.

HUMANATONE

*Particular description of goods.*—Nasal Wind Musical Instrument.
*Claims use* since August, 1904.

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Ser. No. 214,395. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES C. BOURLAND, doing business as Imperial Medicine Company, Houston, Tex. Filed May 16, 1925.

I. E. R.

*Particular description of goods.*—Vegetable Compound Used as a Remedy for the Treatment of Eczema.
*Claims use* since July 20, 1904.

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Ser. No. 214,551. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOWARD E. JONES & CO., Baltimore, Md. Filed May 19, 1925.

Romance

*Particular description of goods.*—Vegetables and Tomato Catchup.
*Claims use* since Nov. 29, 1924.

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Ser. No. 214,738. (CLASS 32. FURNITURE AND UPHOLSTERY.) NIFTY JIFFY CORPORATION, Atlanta, Ga. Filed May 22, 1925.

SELF SERVICE
NIFTY JIFFY
GROCERY SYSTEM

The trademark consists of the words "Nifty Jiffy" with a chain arranged approximately in a circle with a circular background and partially encircled by the words "Self-Service Grocery System". Exclusive use of the phrase "Self Service Grocery System" being disclaimed apart from the other features of the mark as shown.
*Particular description of goods.*—Portable fixtures for Self-Service Stores—Namely, Counters and Showcases.
*Claims use* since Sept. 13, 1924.

Ser. No. 214,987. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) YANKEE TUBE CORPORATION, Newark, N. J. Filed May 27, 1925.

No claim is made herein to the words "Beats Em All" nor to "5 V., 25 Am." apart from the mark shown in the drawing.
*Particular description of goods.*—Radio Vacuum Tubes.
*Claims use* since Sept. 1, 1924.

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Ser. No. 215,044. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BELLEVILLE STOVE & RANGE CO., Belleville, Ill. Filed May 29, 1925.

St. Clair
STOVES RANGES

No claim is made to the use of the words "Stoves and Ranges," apart from the trade-mark shown.
*Particular description of goods.*—Electric Stoves, Ranges, and Hot-Plate Attachment Therefor.
*Claims use* since Apr. 15, 1925.

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Ser. No. 215,071. (CLASS 15. OILS AND GREASES.) INDEPENDENT HOME OIL CO., Fairmount, N. Dak. Filed May 29, 1925.

THREE STAR

*Particular description of goods.*—Gasoline, Kerosene, Lubricating Oils, and Greases.
*Claims use* since July, 1920.



Ser. No. 215,185. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE SEISS MANUFACTURING COMPANY, Toledo, Ohio. Filed June 1, 1925.

Sam-toy Town

*Particular description of goods.*—Toy Molds for Making Artistic Structures From Comminuted Materials.
*Claims use* since Apr. 18, 1925.

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Ser. No. 215,394. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y. Filed June 6, 1925.

"The Best Scrap You Ever Saw"

*Particular description of goods.*—Poultry Food.
*Claims use* since November, 1923.

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Ser. No. 215,397. (CLASS 39. CLOTHING.) AMERICAN KNITWEAR COMPANY, New York, N. Y. Filed June 6, 1925.

AMERICAN KNITWEAR Co.

The words "American Underwear Co." are disclaimed.
*Particular description of goods.*—Sweaters, Bathing Suits, Scarfs, Dresses, Ladies' Suits, Ladies' Hats, Blouses, Capes, and Petticoats.
*Claims use* since July 1, 1920.

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Ser. No. 215,558. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DUFFUS SILVER FOX CORPORATION, New York, N. Y. Filed June 10, 1925.

DIAMOND

*Particular description of goods.*—Live Foxes and Fox Pelts.
*Claims use* since on or about January, 1915.

Ser. No. 215,620. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHOCOLATE PRODUCTS COMPANY, Baltimore, Md. Filed June 11, 1925.

SWEET PUFFS

*Particular description of goods.*—Candy-Bar Goods.
*Claims use* since Apr. 15, 1925.

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Ser. No. 215,675. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE ANDREWS LEAD COMPANY, INC., New York, N. Y. Filed June 12, 1925.

ANDREWS
Virgin Lead Products

Applicant disclaims the words "Andrews" and "Virgin Lead Products" apart from their association one with the other and from the mark as shown.
*Particular description of goods.*—Lead Oxide.
*Claims use* since Mar. 1, 1925.

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Ser. No. 215,694. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MORRIS JACOBY, New York, N. Y. Filed June 12, 1925.

TULOX

*Particular description of goods.*—Optical Frames, Lenses, and Parts of Ophthalmic Mountings.
*Claims use* since Jan. 5, 1924.

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Ser. No. 215,711. (CLASS 39. CLOTHING.) NATHAN SIEGEL, Brooklyn, N. Y. Filed June 12, 1925.

The words "Rayon Underthings" appearing on the drawing are disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Undergarments of Knitted Materials and Textile Fabrics for Men, Women,

and Children; Vests, Bloomers, and Nightgowns of Knitted Materials and Textile Fabrics for Women and Children; Princess Slips of Knitted Materials and Textile Fabrics for Women; Union Suits and Pyjamas of Knitted Materials and Textile Fabrics for Men, Women, and Children.

*Claims use* since May 8, 1925.

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Ser. No. 215,794. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HARRY P. KOUJALES, doing business as H. P. Koujales Co., New Britain, Conn. Filed June 15, 1925.

H-P-K

# ROS-ORY

*Particular description of goods.*—Nonalcoholic, Maltless Strup for Making Soft Drinks.

*Claims use* since May 1, 1925.

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Ser. No. 215,962. (CLASS 13. OILS AND GREASES.) BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Filed June 18, 1925.

# Motalin

The trade-mark consists of the word "Motalin."

*Particular description of goods.*—Motor Fuel Oils.

*Claims use* since November, 1924.

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Ser. No. 216,236. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WILLIAM P. TALBOT, doing business as Eclipse Products Co., New York, N. Y. Filed June 22, 1925.

# Eclipse

*Particular description of goods.*—Necktie Supports Made of or Plated with Precious Metal.

*Claims use* since May 20, 1925.

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Ser. No. 216,252. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE BACON BANJO CO., INC., Groton, Conn. Filed June 23, 1925.

# B & D
# "FELT-GRIP"

No claim is made to the exclusive use of the words "Felt Grip" aside from the mark shown.

*Particular description of goods.*—Pick for a Stringed Musical Instrument.

*Claims use* since Feb. 2, 1925.

Ser. No. 216,397. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JEFFRIES AUTOMATIC SERVICE COMPANY, Los Angeles, Calif. Filed June 25, 1925.

All words appearing on the mark except "Silent Server" are disclaimed.

*Particular description of goods.*—Vending Machines.

*Claims use* since December, 1924.

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Ser. No. 216,517. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed June 27, 1925.

FACTORYBILT

The word "Factorybuilt" does not form a part of the registration sought, apart from the mark shown in the drawing.

*Particular description of goods.*—Radio Receiving Sets, Loud Speakers, Transformers, Tuning Units, Plugs, Variable Condensers, Jacks, Dials, and Sockets.

*Claims use* since Apr. 14, 1925.

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Ser. No. 216,530. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) FIRSTENBERG, NABOSHEK & KHEEL, New York, N. Y. Filed June 27, 1925.

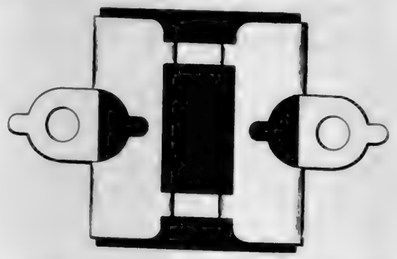
# LYNQUETTE

*Particular description of goods.*—Fur Trimmings and Fur Findings—Namely, Collars, Cuffs, and Borders.

*Claims use* since prior to May, 1925.



Ser. No. 216,568. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SPLITDORF ELECTRICAL COMPANY, Newark, N. J. Filed June 27, 1925.



Trade-mark consists of the color black arbitrarily incorporated into the insulating material in the course of manufacture thereof. No claim is made to the representation of the condensers, indicate the color black.

*Particular description of goods.*—Electrical Condensers.

*Claims use* since on or about June 24, 1924.

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Ser. No. 216,689. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) NEW ENGLAND BREWING CO., doing business as Suffolk Brewing Company, Boston, Mass. Filed June 30, 1925.

*Particular description of goods.*—Cereal Malt Beverage.

*Claims use* since 1887.

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Ser. No. 216,690. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) NEW ENGLAND BREWING CO., doing business as The Roessle Brewery, Boston, Mass. Filed June 30, 1925. Under 10-year proviso.

# ROESSLE

*Particular description of goods.*—Cereal Malt Beverage.

*Claims use* since 1876.

Ser. No. 216,706. (CLASS 2. RECEPTACLES.) BALLARD & BALLARD CO., Louisville, Ky. Filed July 1, 1925.

# BEARGRASS

*Particular description of goods.*—Cloth or Paper Sacks and Bags for Holding Wheat Flour and Feed or Other Material.

*Claims use* since about Apr. 10, 1922.

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Ser. No. 216,716. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EXTINGUISHERS, LIMITED, London, England. Filed July 1, 1925.

# SAFOAM

*Particular description of goods.*—Fire-Extinguishing Machines.

*Claims use* since May 8, 1924.

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Ser. No. 216,767. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) BEST & CO., INC., New York, N. Y. Filed July 2, 1925.

# Whitehall

*Particular description of goods.*—Canes and Umbrellas.

*Claims use* since Oct. 13, 1921.

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Ser. No. 216,768. (CLASS 39. CLOTHING.) BEST & CO., INC., New York, N. Y. Filed July 2, 1925.

# Whitehall

*Particular description of goods.*—Boys' Sailor Suits, Boys' and Young Men's Blazers; Boys', Young Men's, and Men's Norfolk Suits and Caps; Boys', Girls', Misses', and Women's Jersey Suits; Young Men's and Men's Lounge Suits; Boys', Young Men's, and Men's, and Girls' Half Hose; Girls', Misses', and Women's Gloves; Young Men's, Men's, Girls', Misses', and Women's Spats; Boys', Young Men's, Men's, Girls', Misses', and Women's Day Robes, Night Robes, Knickers, Ties, Collars, and Half Hose.

*Claims use* since Oct. 13, 1921.

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Ser. No. 216,810. (CLASS 12. CONSTRUCTION MATERIALS.) AMERICAN REENFORCED PAPER COMPANY, Attleboro, Mass. Filed July 3, 1925.

# SISALKRAFT

The word "Sisal" is disclaimed apart from the mark shown.

*Particular description of goods.*—Reenforced Paper Used as a Building or Sheathing Paper.

*Claims use* since May 19, 1925.

Ser. No. 216,817. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BAKELITE CORPORATION, New York, N. Y. Filed July 3, 1925.

*Particular description of goods.*—Clock Cases and Watchcases.
*Claims use* since Dec. 1, 1924.

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Ser. No. 216,863. (CLASS 38. PRINTS AND PUBLICATIONS.) FREEMAN-SMART COMPANY, Chicago, Ill. Filed June 27, 1925.

Home Happiness

*Particular description of goods.*—Monthly Magazine.
*Claims use* since June 1, 1925.

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Ser. No. 216,918. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) GOTTFRIED KRUEGER BREWING CO., Newark, N. J. Filed July 6, 1925.

Old Essex

BREW

No claim is made to the words "Old Essex Brew" apart from the mark as shown in the drawing.
*Particular description of goods.*—Malt Beverage.
*Claims use* since Apr. 4, 1925.

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Ser. No. 216,942. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN ANTONIO COFFEE CO., San Antonio, Tex. Filed July 6, 1925.

All Gold

*Particular description of goods.*—Coffee.
*Claims use* since October, 1921.

Ser. No. 216,978. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HASHEMESH INC., New York, N. Y. Filed July 7, 1925.

ZOHAR

*Particular description of goods.*—Soap and Scouring Powder.
*Claims use* since February, 1925.

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Ser. No. 216,992. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAUL RIBEIRO, doing business as Luzo Coffee Company, New Bedford, Mass. Filed July 7, 1925.

The word "Coffee" appearing in the drawing is disclaimed apart from the other features of the mark as shown.
*Particular description of goods.*—Coffee, Tea, Cider, Vinegar, and Olive Oil.
*Claims use* since Dec. 1, 1924.

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Ser. No. 216,999. (CLASS 15. OILS AND GREASES.) WEBACO OIL COMPANY, INC., Webster, N. Y. Filed July 7, 1925.

All wording appearing on the drawing except the word "Etheral" is disclaimed apart from the other features of the mark.
*Particular description of goods.*—Gasoline.
*Claims use* since Jan. 1, 1925.



Ser. No. 217,157. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WILLIAM KELLY MILLING COMPANY, Hutchinson, Kans. Filed July 10, 1925.

CRAFTSMAN

*Particular description of goods.*—Wheat Flour.
*Claims use* since Oct. 11, 1920.

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Ser. No. 217,232. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SHERMAN RADIO MANUFACTURING CORPORATION, New York, N. Y. Filed July 11, 1925.

*Particular description of goods.*—Radio Receiving Sets.
*Claims use* since early in December, 1924.

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Ser. No. 217,315. (CLASS 12. CONSTRUCTION MATERIALS.) E. K. WOOD LUMBER COMPANY, San Francisco, Calif. Filed July 13, 1925.

"GOODS OF THE WOODS"

*Particular description of goods.*—Rough and Finish Lumber, Wood, Shingles, Sash, and Doors, Cement and Plaster and Wall Board.
*Claims use* since Apr. 23, 1925.

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Ser. No. 217,348. (CLASS 27. HOROLOGICAL INSTRUMENTS.) LA GLYCINE WATCH FACTORY, Bienne, Switzerland. Filed July 14, 1925.

GLYCINE

*Particular description of goods.*—Watches and Timepieces, Especially Pocket Watches, Wristlet Watches, Ring Watches, Necklace Watches, Jewel Watches, Clocks, Movements, and Cases, Dials, and All Parts of Watches and Clocks.
*Claims use* since May 28, 1924.

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Ser. No. 217,356. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MONTRES ERA & VISO, C. RUEFLI-FLURY & CIE, SOCIÉTÉ ANONYME, Bienne, Switzerland. Filed July 14, 1925.

VISO

*Particular description of goods.*—Watches and Clocks, Movements, Cases, Dials, and Parts Thereof.
*Claims use* since Sept. 17, 1923.

Ser. No. 217,381. (CLASS 39. CLOTHING.) WILLIAM Y. ALBERTSON, Philadelphia, Pa. Filed July 15, 1925.

PONTEE

*Particular description of goods.*—Ponchos.
*Claims use* since July 10, 1925.

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Ser. No. 217,450. (CLASS 15. OILS AND GREASES.) CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Filed July 16, 1925.

Certain-teed

*Particular description of goods.*—Sublimed Naphthalene, Crude Naphthalene, and Creosote Oil.
*Claims use* since May 14, 1925.

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Ser. No. 217,501. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) CAMEL MALT SYRUP CO., Cedar Rapids, Iowa. Filed July 17, 1925.

CAMEL

*Particular description of goods.*—Malt Extracts and Sirups.
*Claims use* since on or about Apr. 7, 1923.

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Ser. No. 217,506. (CLASS 39. CLOTHING.) M. FINE & SONS, New York, N. Y. Filed July 17, 1925.

FIVE BROTHER
5

*Particular description of goods.*—Jackets, Boy's Blouses, Play Suits, Boy's Shirts, Pyjamas, Flannel Shirts, Nightshirts, Sport Shirts, Dress Shirts, Overalls, Overall Coats, and Underwear of Knitted and Textile Fabric for Men, Women, and Children.
*Claims use* since July 1, 1925.

Ser. No. 217,524. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JAMES J. MCCOY, Jr., New York, N. Y. Filed July 17, 1925.

THE
QUAL-A-DYNE

*Particular description of goods.*—Radio Receiving Sets and Parts Thereof.
*Claims use* since July 1, 1925.

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Ser. No. 217,532. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y. Filed July 17, 1925.

THE
SOUTHWESTERN
MILLING CO. Inc.
ARISTOS
—THE BEST—
KANSAS CITY
U. S. A.

The exclusive use of the words "The Best," "Kansas City, U. S. A." are disclaimed apart from the other features shown in the mark.
*Particular description of goods.*—Wheat Flour.
*Claims use* since July 1, 1906.

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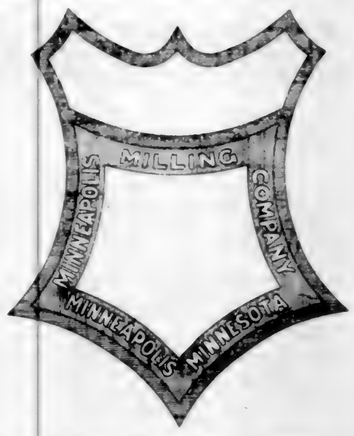
Ser. No. 217,560. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) INCANDESCENT SUPPLY COMPANY, New York, N. Y. Filed July 18, 1925.

NEWLANDS

*Particular description of goods.*—Radio Receiving and Radio Sending Sets and Parts Thereof.
*Claims use* since Jan. 1, 1925.

Ser. No. 217,630. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNEAPOLIS MILLING COMPANY, Minneapolis, Minn. Filed July 20, 1925.




No claim is made to the words "Minneapolis, Minnesota" or "Minneapolis Milling Company" apart from the other features of the mark. The mark consists of the representation of a shield in blue enclosing a five-point star in red on which appears the words "Minneapolis Milling Company, Minneapolis, Minnesota." Within the shield and the star blank spaces are provided for the insertion of words descriptive of the grades of products packed.
*Particular description of goods.*—Semolinas, Wheat Flours, and Wheat Offals.
*Claims use* since about Nov. 14, 1914.

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Ser. No. 217,634. (CLASS 39. CLOTHING.) RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed July 20, 1925.

Kongo Koat

The exclusive right to the use of the word "Koat" is hereby disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Heavy Work and Outing Shirts, Coat Shirts, Having a Knitted or Elastic Bottom Portion, and Sweater Coats.
*Claims use* since Jan. 1, 1925.

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Ser. No. 217,654. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AKTIEBOLAGET ALPHA, Sundyberg, near Stockholm, Sweden. Filed July 21, 1925.

J. A. Brinell

No claim is made to the word "Brinell" apart from the mark shown in the drawing. The trade-mark is a facsimile of the signature of Dr. J. A. Brinell, the inventor.
*Particular description of goods.*—Machines for Testing the Hardness of Materials.
*Claims use* since Apr. 15, 1925.



Ser. No. 217,675. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) KASE-QUINBY RUBBER CO. INC., New York, N. Y. Filed July 21, 1925.

Valclar RUBber RUB

*Particular description of goods.*—Rubber Massage Bath Brushes.
*Claims use* since June 1, 1925.

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Ser. No. 217,720. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MANVILLE JENCKES COMPANY, Pawtucket, R. I. Filed July 22, 1925.

The trade-mark consists in the representation of an opossum with its young as shown in drawing.
*Particular description of goods.*—Dry Goods—Namely, Sheetings and Drillings.
*Claims use* since January, 1902.

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Ser. No. 217,721. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MANVILLE JENCKES COMPANY, Pawtucket, R. I. Filed July 22, 1925.

The trade-mark consists in representation of a dog leading a horse as shown in the drawing.
*Particular description of goods.*—Dry Goods—Namely, Sheetings and Drillings.
*Claims use* since January, 1902.

Ser. No. 217,768. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWARD ALFRED GRAHAM, doing business as Alfred Graham & Co., London, England. Filed July 23, 1925.

RADIOLUX

*Particular description of goods.*—Cabinet Loud Speakers, Radio Receiving Sets, and Parts Thereof.
*Claims use* since Sept. 9, 1924.

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Ser. No. 217,829. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, INC., New York, N. Y. Filed July 24, 1925.

World Renown

*Particular description of goods.*—Mouth Harmonicas and Accordions.
*Claims use* since 1893.

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Ser. No. 217,896. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PETERS MANUFACTURING COMPANY, Quincy, Mass. Filed July 25, 1925.

No claim is made to the words "Buff" and "Perfect Balance" apart from the mark shown in the drawing.
*Particular description of goods.*—Buffing Wheels.
*Claims use* since Sept. 1, 1924, and the words "Red Seal Buff" since July 1, 1923.

Ser. No. 217,920. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CARTER RADIO CO., Chicago, Ill. Filed July 27, 1925.

DIALITE

The representation of the goods does not form a part of the registration sought apart from the mark shown.

*Particular description of goods.*—Electrical Lighting Devices for Illuminating Radio Panels.

*Claims use* since July 1, 1925.

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Ser. No. 218,028. (CLASS 39. CLOTHING.) TEXTILE PRODUCTS LTD., Memphis, Tenn. Filed July 28, 1925.

Silk Mist

No claim is made to the word "Silk" apart from the mark as shown.

*Particular description of goods.*—Waterproof Oiled Silk Garments—Namely, Raincoats.

*Claims use* since June 17, 1925.

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Ser. No. 218,062. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MAX KLASS, New York, N. Y. Filed July 29, 1925.

Mildus

*Particular description of goods.*—Watches, Watchcases, and Watch Movements.

*Claims use* since July 1, 1925.

Ser. No. 218,063. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MAX KLASS, New York, N. Y. Filed July 29, 1925.

EMBSA

*Particular description of goods.*—Watches, Watchcases, and Watch Movements.

*Claims use* since July 1, 1925.

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Ser. No. 218,191. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y. Filed July 31, 1925.

A MACFADDEN PUBLICATION

The words "A MacFadden Publication" are disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Magazine Publications.

*Claims use* since Feb. 28, 1925.

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Ser. No. 218,223. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VAN WART & FOREMAN, Los Angeles, Calif. Filed July 31, 1925.

BOOTER AERIAL

The word "Aerial" and the representation of the goods do not form a part of the mark to be registered apart from the mark shown in the drawing.

*Particular description of goods.*—Radio Aerials.

*Claims use* since Mar. 12, 1925.



Ser. No. 218,260. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind. Filed Aug. 1, 1925.

"DOT" FLOUR

The word "Flour" is disclaimed apart from the mark as shown in the drawing.

*Particular description of goods.*—Wheat Flour.

*Claims use* since June 11, 1925.

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Ser. No. 218,270. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MORGAN MANUFACTURING COMPANY, INC., Keene, N. H. Filed Aug. 1, 1925.

KEEN-LITE

*Particular description of goods.*—Electrical Signal and Tail Lights for Automobiles.

*Claims use* since May 15, 1925.

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Ser. No. 218,273. (CLASS 12. CONSTRUCTION MATERIALS.) H. H. ROBERTSON COMPANY, Pittsburgh, Pa. Filed Aug. 1, 1925.

PARADURA

*Particular description of goods.*—Asphalts and Compositions Embodying Asphalt and Like Bituminous Materials Sold as a Raw or Partly-Prepared Material.

*Claims use* since Sept. 19, 1924.

Ser. No. 218,280. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ACCESSORIES MANUFACTURING CO., Chicago, Ill. Filed Aug. 3, 1925.

DIALITE

*Particular description of goods.*—Electric Lamps.

*Claims use* since June 19, 1925.

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Ser. No. 218,317. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TOMAS E. MALONE, Buena Vista, Ohio. Filed Aug. 3, 1925.

T PEE MALONE'S

No claim is made to the surname "Malone's" apart from the mark shown in the drawing.

*Particular description of goods.*—Medicine for Diphtheria and Throat Diseases.

*Claims use* since on or about July 1, 1925.

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Ser. No. 218,322. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE PAN-AMERICAN BAND INSTRUMENT & CASE CO., Elkhart, Ind. Filed Aug. 3, 1925.

Comfy-Case

The representation of the goods and the word "Case" are hereby disclaimed apart from the mark shown on the drawing.

*Particular description of goods.*—Cases for Musical Instruments.

*Claims use* since July 10, 1925.

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Ser. No. 218,440. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WACHENHEIMER BROS., INC., Providence, R. I. Filed Aug. 5, 1925.

THE COLLEGE BEAU

*Particular description of goods.*—Breastpins, Brooches, Bracelets, and Barettes Which are Made of or Plated With Precious Metals.

*Claims use* since July 1, 1925.

Ser. No. 218,468. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CAWARD DART COMPANY, Waterloo, Iowa. Filed Aug. 6, 1925.

Dart

*Particular description of goods.*—Oil Pumps.
*Claims use* since on or about Jan. 1, 1924.

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Ser. No. 218,477. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER FREUND BREAD CO., St. Louis, Mo. Filed Aug. 6, 1925.

Olde Tyme

*Particular description of goods.*—Rye Bread.
*Claims use* since Sept. 1, 1921.

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Ser. No. 218,523. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Aug. 7, 1925.

RECTRON

*Particular description of goods.*—Vacuum Tubes and Valves.
*Claims use* since May 5, 1925.

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Ser. No. 218,524. (CLASS 39. CLOTHING.) REAL STYLE SHOE CO., Cincinnati, Ohio. Filed Aug. 7, 1925.

No claim is made to the words "Real Style Shoes" apart from the mark shown in the drawing. The illustration of the woman's head in the drawing is fanciful.
*Particular description of goods.*—Shoes and Slippers Made of Leather, Rubber, Fabric or Any Combination of the Same.
*Claims use* since July 2, 1925.

Ser. No. 218,529. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHERN CREAMERIES, INC., Nashville, Tenn. Filed Aug. 7, 1925.

Clover Meadow

*Particular description of goods.*—Butter.
*Claims use* since Jan. 10, 1925.

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Ser. No. 218,673. (CLASS 39. CLOTHING.) WAGNER-GAEBEL CO., Chicago, Ill. Filed Aug. 10, 1925.

Mary Ann

*Particular description of goods.*—Ladies' Hats.
*Claims use* since about February, 1922.

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Ser. No. 218,708. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAGID BROS. SILK CO., New York, N. Y. Filed Aug. 11, 1925.

MAGDEEN

*Particular description of goods.*—Silk and Cotton Mixture Fabric Linings.
*Claims use* since June 15, 1925.

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Ser. No. 218,735. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CLICQUOT CLUB COMPANY, Millis, Mass. Filed Aug. 12, 1925. Under ten-year proviso.

Clicquot Club

*Particular description of goods.*—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
*Claims use* since January, 1886.



Ser. No. 218,736. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CLICQUOT CLUB COMPANY, Millis, Mass. Filed Aug. 12, 1925.

*Particular description of goods.*—Nonalcoholic, Noncereal Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
*Claims use* since Jan. 7, 1914.

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Ser. No. 218,741. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL DELOUCHE, Paris, France. Filed Aug. 12, 1925.

ARTÉROGÈNE

*Particular description of goods.*—Remedy for Arteriosclerosis.
*Claims use* since May 1, 1925.

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Ser. No. 218,773. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST BISCUIT COMPANY, Seattle, Wash. Filed Aug. 12, 1925.

HONEYMAID

*Particular description of goods.*—Crackers and Cakes.
*Claims use* since Aug. 5, 1925.

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Ser. No. 218,776. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PILOT ELECTRIC MANUFACTURING COMPANY, INC., Brooklyn, N. Y. Filed Aug. 12, 1925.

CAPACIGRAD

*Particular description of goods.*—Fixed and Variable Condensers for Radio Reception Devices.
*Claims use* since June 15, 1925.



Ser. No. 218,811. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RALPH M. HALLAM, doing business as The Chicago Piston Ring Company, Chicago, Ill. Filed Aug. 18, 1925.

CATARACT

*Particular description of goods.*—Water-Circulating Pumps for Automobiles.
*Claims use* since Aug. 4, 1925.

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Ser. No. 218,819. (CLASS 39. CLOTHING.) LILY OF FRANCE CORSET CO., New York, N. Y. Filed Aug. 13, 1925.

*Particular description of goods.*—Corsets.
*Claims use* since Oct. 22, 1897.

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Ser. No. 218,870. (CLASS 5. ADHESIVES.) PATCHLESEAL MANUFACTURING CO., New York, N. Y. Filed Aug. 14, 1925.

The picture forming a feature of the mark is fanciful.
*Particular description of goods.*—Chemical Compound for Making Automobile Tires Puncture Proof.
*Claims use* since March, 1926.

Ser. No. 218,873. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RALPH ARTHUR SANBURG, doing business as The R. A. Sanburg Organization, Burlington, Iowa. Filed Aug. 14, 1925.

**BRAN-ADES**

No claim is made to the word "Bran" apart from the mark as shown.

*Particular description of goods.*—Candy and Biscuits.

*Claims use* since July 20, 1925.

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Ser. No. 218,885. (CLASS 39. CLOTHING.) EMMA R. WALBRIDGE, Babylon, N. Y. Filed Aug. 14, 1925.

*The Bobshirt*

The trade-mark consists of the words "The Bobshirt."

*Particular description of goods.*—Sweaters and Overblouses.

*Claims use* since Nov. 10, 1924.

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Ser. No. 218,924. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) G. B. LEWIS COMPANY, Watertown, Wis. Filed Aug. 15, 1925.

**$ERVI$AVE**

The trade-mark consists in the word "Servisave."

*Particular description of goods.*—Wooden Beekeepers Supplies—Namely, Hive Covers.

*Claims use* since about June 22, 1925.

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Ser. No. 218,938. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMPIRE MILLING COMPANY, Minneapolis, Minn. Filed Aug. 17, 1925.

No claim is made for the word "Baker" apart from the other features of the mark.

*Particular description of goods.*—Wheat Flour.

*Claims use* since about Aug. 10, 1925.

Ser. No. 218,976. (CLASS 45. BEVERAGES, NONALCOHOLIC.) M. KANTOR, doing business as Kantor Bottling Works, Beloit, Wis. Filed Aug. 17, 1925.

**MONTE CARLO CLUB**

*Particular description of goods.*—Nonalcoholic, Noncereal, Maltless Beverages.

*Claims use* since July 1, 1925.

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Ser. No. 218,985. (CLASS 37. PAPER AND STATIONERY.) THE MOORE PEN CO., Boston, Mass. Filed Aug. 17, 1925.

**BLUE RIBBON**

*Particular description of goods.*—Fountain Pens.

*Claims use* since June 18, 1925.

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Ser. No. 219,026. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. C. H. BERRY COMPANY, Chicago, Ill. Filed Aug. 18, 1925.

*Elife*

*Particular description of goods.*—Cold Cream and Cleansing Cream.

*Claims use* since 1905.

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Ser. No. 219,045. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BRUNO RIOS, doing business as San Diego Bottling Works, San Diego, Tex. Filed Aug. 18, 1925.

**BRUNELA**

Trade-mark consists of the word "Brunela."

*Particular description of goods.*—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.

*Claims use* since 1915.



Ser. No. 219,057. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) C & B PRODUCTS CO., Woodbury, N. J. Filed Aug. 19, 1925.

**AD-SUM**

C & B

*Particular description of goods.*—Laundry and Cleaning Composition.

*Claims use* since on or about Aug. 7, 1925.

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Ser. No. 219,096. (CLASS 39. CLOTHING.) WHOLESALE APPAREL CORPORATION, New York, N. Y. Filed Aug. 19, 1925.

**CORDRAY**

*Particular description of goods.*—Dresses for Juniors, Misses, and Women.

*Claims use* since about Feb. 20, 1925.

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Ser. No. 219,105. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY ARAKELIAN & SON, Turlock, Calif. Filed Aug. 20, 1925.

**HONEY BUNCH**

*Particular description of goods.*—Dry Raisins.

*Claims use* since July 14, 1925.

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Ser. No. 219,118. (CLASS 39. CLOTHING.) GITTER'S MILLINERY STORES, INC., Brooklyn and New York, N. Y. Filed Aug. 20, 1925.

*Butterfly*

*Particular description of goods.*—Ladies' Hats Trimmed and Untrimmed.

*Claims use* since Jan. 2, 1925.

Ser. No. 219,150. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SPENCER THERMOSTAT COMPANY, Cambridge, Mass. Filed Aug. 20, 1925.

**KLIXON**

*Particular description of goods.*—Thermostatic Controls.

*Claims use* since Aug. 11, 1925.

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Ser. No. 219,158. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN D. XENOS, San Diego, Calif. Filed Aug. 20, 1925.

No claim is made to the word "Salve" apart from the mark shown in the drawing.

*Particular description of goods.*—Healing Salve.

*Claims use* since May 6, 1925.

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Ser. No. 219,194. (CLASS 12. CONSTRUCTION MATERIALS.) FRANCIS MULLIGAN, Belfast, Ireland. Filed Aug. 21, 1925.

*Particular description of goods.*—Cement and Plaster for Building or Decoration.

*Claims use* since Dec. 6, 1924.

Ser. No. 219,200. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PENNANT RADIO LABORATORIES, Newark, N. J. Filed Aug. 21, 1925.

AMPLITRON

*Particular description of goods.*—Radio Vacuum Tubes.
*Claims use* since Feb. 1, 1923.

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Ser. No. 219,229. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARCHIBALD CLEAVER CLAUSER, Reading, Pa. Filed Aug. 22, 1925.

OLEY VALLEY

*Particular description of goods.*—Butter, Eggs, and Dressed Poultry.
*Claims use* since July 21, 1925.

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Ser. No. 219,252. (CLASS 12. CONSTRUCTION MATERIALS.) LEWIS & FERRO, INC., New York, N. Y. Filed Aug. 22, 1925.

SASSO

*Particular description of goods.*—Preparation in the Nature of a Cement for Coating Wall Board, Concrete Walls, Brick Walls, and the Like, or With the Addition of Fibrous Matter and Sand to Serve as a Substitute for Modeling Clay, and a Waterproofing Preparation for Application to Surfaces Exposed to the Weather.
*Claims use* since about Jan. 15, 1925.

Ser. No. 219,253. (CLASS 39. CLOTHING.) THE C. L. MCBRIDE MANUFACTURING CO., Toledo, Ohio. Filed Aug. 22, 1925.

PRIMO

*Particular description of goods.*—Gloves of Leather, Fabric, and Combinations Thereof.
*Claims use* since on or about Apr. 1, 1925.

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Ser. No. 219,254. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MOHAWK ELECTRIC CORPORATION, Chicago, Ill. Filed Aug. 22, 1925.

SELECTUNE

*Particular description of goods.*—Vernier Dials for Radio Apparatus.
*Claims use* since January, 1924.

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Ser. No. 219,267. (CLASS 37. PAPER AND STATIONERY.) BERMINGHAM & PROSSER CO., Kalamazoo, Mich. Filed Aug. 24, 1925.

Peacock

*Particular description of goods.*—Book and Printing Papers.
*Claims use* since Jan. 1, 1924.



Ser. No. 219,296. (CLASS 45. BEVERAGES, NONALCOHOLIC.) NAAMLOOZE VENNOOTSCHAP DISTILLEERDERIJ, LIKEURSTOKERIJ, LIMONADE EN EXTRACTEN-FABRIEK VAN C. POLAK GZN., Groningen, Netherlands. Filed Aug. 24, 1925.

Ranja

*Particular description of goods.*—Sirups and Essences for Making Lemonades.
*Claims use* since Feb. 1, 1919.

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Ser. No. 219,323. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) GEO. BORGFELDT & CO., New York, N. Y. Filed Aug. 25, 1925.

A.M. AND P.M.

*Particular description of goods.*—Toothbrushes, Hand Brushes, and Hairbrushes.
*Claims use* since Aug. 17, 1925.

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Ser. No. 219,327. (CLASS 5. ADHESIVES.) L. W. FERDINAND & CO., Boston, Mass. Filed Aug. 25, 1925.

STANZALL

Trade-mark consists of the word "Stanzall."
*Particular description of goods.*—Waterproof Joint Glue.
*Claims use* since Mar. 20, 1925.

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Ser. No. 219,356. (CLASS 39. CLOTHING.) JAMES B. TILTON, Haverhill, Mass. Filed Aug. 25, 1925.

FLEX-RIDGE

*Particular description of goods.*—Women's Leather Shoes.
*Claims use* since June 29, 1925.

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Ser. No. 219,358. (CLASS 37. PAPER AND STATIONERY.) WILLIAM S. TUTTLE, doing business as Tuttle Law Print, Rutland, Vt. Filed Aug. 25, 1925.

Rut-mont

*Particular description of goods.*—Typewriter Paper.
*Claims use* since Jan. 1, 1925.

Ser. No. 219,361. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WHITMAN-COONEY TEXTILE CORPORATION, New York, N. Y. Filed Aug. 25, 1925.

WHITCO

*Particular description of goods.*—Woven Fabrics in the Piece of Silk, Cotton, Artificial Silk, Wool, Linen, Jute, or Combinations of These.
*Claims use* since on or about Jan. 2, 1924.

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Ser. No. 219,409. (CLASS 39. CLOTHING.) RALEIGH HABERDASHER, INC., Washington, D. C. Filed Aug. 26, 1925.

Paulina Frocks
RALEIGH HABERDASHER
WASHINGTON, D.C.

All the wording appearing on the drawing except "Paulina" are disclaimed apart from the mark shown.
*Particular description of goods.*—Frocks.
*Claims use* since May 23, 1925.

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Ser. No. 219,411. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RHEINISCH-WESTFALISCHE SPRENGSTOFF-ACTIEN-GESELLSCHAFT KOLN, Cologne, Germany. Filed Aug. 26, 1925.

TROLITE

*Particular description of goods.*—Electrical Apparatus and Supplies as Follows: Bases or Frames for Electric Bells, Binding-Post Caps; Caps, Sockets, and Base Plates for Switches; Push Buttons, Mouthpieces for Telephones, Handles for Telephones, casings for Telephone Receivers, Clamping Bars for Telephones, Telephone Casings, Caps for Telephone Plugs; Insulation Strips, Plates, and Disks; and Storage-Battery Casings, and Radio Apparatus as Follows: Rotary Plugs, Graduation Disks, Plug Disks, Plugs and Sockets for Detectors, Frames for Variometers and Condensers, Panels, and Base Plates.
*Claims use* since Jan. 1, 1925.

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Ser. No. 219,423. (CLASS 39. CLOTHING.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Aug. 27, 1925.

*Particular description of goods.*—Children's Shoes of Leather and of Kid.
*Claims use* since July 24, 1925.

Ser. No. 219,489. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARYLAND-VIRGINIA MILK PRODUCTS COMPANY, INC., Charlottesville, Va., and Washington, D. C. Filed Aug. 28, 1925.

*Particular description of goods.*—Fluid Milk, Sweet Cream, Sour Cream, and Buttermilk.
*Claims use* since Apr. 24, 1924.

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Ser. No. 219,497. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) RUUD MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Aug. 28, 1925.

AUTOHOT

*Particular description of goods.*—Instantaneous, Automatic Gas-Fired Water Heaters.
*Claims use* since July 28, 1925.

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Ser. No. 219,498. (CLASS 2. RECEPTACLES.) FRANK G. SHATTUCK COMPANY, Boston, Mass., and New York, N. Y. Filed Aug. 28, 1925.

DRI-PAC

*Particular description of goods.*—Ice-Cream Containers of Paper.
*Claims use* since Aug. 1, 1925.

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Ser. No. 219,515. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. ARON & COMPANY, INC., New York, N. Y. Filed Aug. 29, 1925.

MIMOSO

*Particular description of goods.*—Coffee.
*Claims use* since July 1, 1920.

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Ser. No. 219,516. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. ARON & COMPANY, INC., New York, N. Y. Filed Aug. 29, 1925.

TONY

*Particular description of goods.*—Coffee.
*Claims use* since July 1, 1920.

Ser. No. 219,519. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. ARON & COMPANY, INC., New York, N. Y. Filed Aug. 29, 1925.

MONA

*Particular description of goods.*—Coffee.
*Claims use* since July 1, 1920.

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Ser. No. 219,521. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) L. BAMBERGER & COMPANY, Newark, N. J. Filed Aug. 29, 1925.

DARING DEB

*Particular description of goods.*—Silks in the Piece.
*Claims use* since about Dec. 15, 1924.

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Ser. No. 219,533. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. GOODRICH, MANUFACTURER, INC., Chicago, Ill. Filed Aug. 29, 1925.

RAJAH

Trade-mark consists in the word "Rajah."
*Particular description of goods.*—Oilstones, Sharpening Stones, and Abrasive Implements.
*Claims use* since June 30, 1925.

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Ser. No. 219,540. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LOUIS ROESSEL & CO. INC., Hazleton, Pa., and New York, N. Y. Filed Aug. 29, 1925.

SATIN LOUIS D'OR

No claim is made to the word "Satin" apart from the mark shown on the drawing.
*Particular description of goods.*—Silk Goods in the Piece.
*Claims use* since Aug. 24, 1925.

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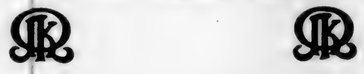
Ser. No. 219,551. (CLASS 39. CLOTHING.) J. K. ORR SHOE COMPANY, Atlanta, Ga. Filed Aug. 29, 1925.



*Particular description of goods.*—Shoes Made of Leather or Rubber and Fabric, or a Combination of Those Materials.
*Claims use* since June, 1925.



Ser. No. 219,580. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash. Filed Aug. 31, 1925.

DURIAN

*Particular description of goods.*—Wheat Flour.
*Claims use* since Jan. 8, 1915.

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Ser. No. 219,587. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) INTERNATIONAL HEATER COMPANY, Utica, N. Y. Filed Aug. 31, 1925. Under ten-year proviso.

CARTON

*Particular description of goods.*—Warm-Air Furnaces.
*Claims use* since July 1, 1878.

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Ser. No. 219,608. (CLASS 12. CONSTRUCTION MATERIALS.) L. R. SKOLNIK, doing business as Skolnik Manufacturing Co., Minneapolis, Minn. Filed Aug. 31, 1925.

MAIZEWOOD

*Particular description of goods.*—Wall Board, Heat-Insulating Material, Composition Shingles, Floor Coverings, and Box Board.
*Claims use* since Aug. 5, 1925.

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Ser. No. 219,610. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GEORGE W. STEWARD CO., INC., New York, N. Y. Filed Aug. 31, 1925.

NAMESETTE

*Particular description of goods.*—Finger Rings, Brooches, Bracelets, and Pendants.
*Claims use* since Aug. 22, 1925.

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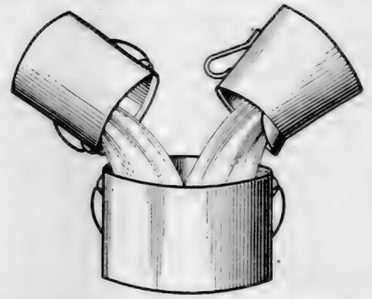
Ser. No. 219,614. (CLASS 37. PAPER AND STATIONERY.) STRATHMORE PAPER COMPANY, Mittineague, Mass. Filed Aug. 31, 1925.

Strathlaid

*Particular description of goods.*—Book Paper.
*Claims use* since Mar. 17, 1917.

Ser. No. 219,616. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE H. B. DAVIS COMPANY, Baltimore, Md. Filed Sept. 1, 1925.



*Particular description of goods.*—Semipaste Paint.
*Claims use* since about November, 1904.

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Ser. No. 219,676. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MOSHER & LASHER, Wymore, Nebr. Filed Sept. 2, 1925.

"MO-LASH"

*Particular description of goods.*—Prepared Fish Bait.
*Claims use* since Mar. 28, 1925.

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Ser. No. 219,706. (CLASS 37. PAPER AND STATIONERY.) WYOMING VALLEY PAPER MILL, Northumberland, N. H., and New York, N. Y. Filed Sept. 2, 1925.

LIFE GUARD

*Particular description of goods.*—Toilet Paper and Paper Towels.
*Claims use* since July 7, 1925.

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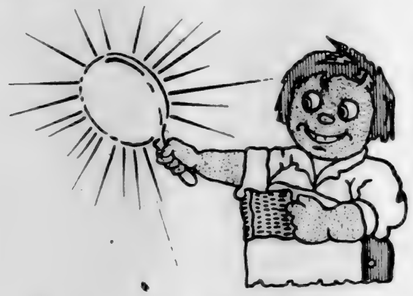
Ser. No. 219,752. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MASON BY-PRODUCTS CO., San Francisco, Calif. Filed Sept. 3, 1925.

Sun-Ray CO.

*Particular description of goods.*—Denatured Alcohol.
*Claims use* since May, 1925.

Ser. No. 219,753. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) METAL TEXTILE CORPORATION, West Orange, N. J. Filed Sept. 3, 1925.



*Particular description of goods.*—Scouring Cloths.
*Claims use* since about June 1, 1925.

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Ser. No. 219,755. (CLASS 37. PAPER AND STATIONERY.) MODERN OFFICE DEVICES, INC., New York, N. Y. Filed Sept. 3, 1925.

REPE-TO

*Particular description of goods.*—Binders or Files.
*Claims use* since November, 1916.

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Ser. No. 219,764. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) REMIEN & KUHNERT CO., Chicago, Ill. Filed Sept. 3, 1925.

MATAMEL

*Particular description of goods.*—Processed Oil Enamel for Interior Use.
*Claims use* since Jan. 19, 1925.

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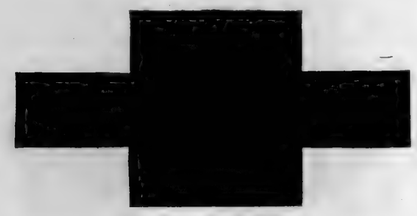
Ser. No. 219,789. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUSH SUGG, doing business as Anodine Pharmacal Company, Clinton, Iowa. Filed Sept. 3, 1925.



*Particular description of goods.*—Mouth Wash.
*Claims use* since Apr. 20, 1925.

Ser. No. 219,814. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD T. CLEARY, Charleston, W. Va. Filed Sept. 4, 1925.

COCOLEUM

*Particular description of goods.*—Shampoo and Scalp Treatment.
*Claims use* since about Apr. 21, 1925.

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Ser. No. 219,815. (CLASS 12. CONSTRUCTION MATERIALS.) CONCRETE SURFACE CORPORATION, New York, N. Y. Filed Sept. 4, 1925.

BOND-TEX

*Particular description of goods.*—Material for Treating Horizontal Concrete Surfaces to Expose Aggregate Therein for Bonding Purposes.
*Claims use* since Aug. 6, 1924.

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Ser. No. 219,818. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) DOBY & CO. INC., New York, N. Y. Filed Sept. 4, 1925.

STUB-BRELLA

*Particular description of goods.*—Umbrellas and Parasols.
*Claims use* since May 12, 1925.

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Ser. No. 219,824. (CLASS 2. RECEPTACLES.) IDICO CORPORATION, New York, N. Y. Filed Sept. 4, 1925.

REGULIZOR

*Particular description of goods.*—Dispensing Boxes and Cans.
*Claims use* since June 15, 1925.



Ser. No. 219,825. (CLASS 39. CLOTHING.) KIRKPATRICK AND BROWN, Newark, N. J. Filed Sept. 4, 1925.

KIRKBRO

*Particular description of goods.*—Garters.
*Claims use* since July 1, 1925.

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Ser. No. 219,832. (CLASS 39. CLOTHING.) MILTEX CLOAK & SUIT CO., New York, N. Y. Filed Sept. 4, 1925.

NAVAJO

*Particular description of goods.*—Ladies' Coats.
*Claims use* since July 15, 1925.

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Ser. No. 219,833. (CLASS 39. CLOTHING.) MINTS, HOROWITZ AND ARICK, New York, N. Y. Filed Sept. 4, 1925.

MHA

MINORIC

*Particular description of goods.*—Men's and Young Men's and Boys' Outer Clothing—Namely, Suits, Overcoats, and Trousers.
*Claims use* since 1923.

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Ser. No. 219,866. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ALEXANDER MILLING COMPANY, Winfield, Kans. Filed Sept. 5, 1925.

MOONRISE

*Particular description of goods.*—Wheat Flour.
*Claims use* since October, 1922.

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Ser. No. 219,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSUMERS BISCUIT CO., New Orleans, La. Filed Sept. 5, 1925.

ALINDA

*Particular description of goods.*—Cakes.
*Claims use* since Mar. 10, 1925.

Ser. No. 219,880. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVIS BROS. CHEESE CO., Plymouth, Wis. Filed Sept. 5, 1925.

JERSEY LILY

*Particular description of goods.*—Cheese.
*Claims use* since Apr. 1, 1914.

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Ser. No. 219,889. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GAVALLA & ZANNOS, New York, N. Y. Filed Sept. 5, 1925.

RAMO D'ULIVO

*Particular description of goods.*—Olive Oil.
*Claims use* since Dec. 22, 1924.

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Ser. No. 219,892. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GODET INC., New York, N. Y. Filed Sept. 5, 1925.

NUIT D'AMOUR

*Particular description of goods.*—Beauty Preparations—Namely, Face Powders, Toilet Water, Face Creams, Massage Creams, Rouge, Lip Stick, Eyebrow Pencils, Skin Lotions, Sachets, Bath Salts, Lavender Water, and Verveine Water; and Hair Preparations—Namely, Hair Tonics, Shampoos, Pomades, and Brilliantines, Liquid and Crystalized.
*Claims* use since about Aug. 25, 1925.

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Ser. No. 219,893. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID A. GRISSINGER, Lemoyne, Pa. Filed Sept. 5, 1925.

G "A Taste Convinces" G

*Particular description of goods.*—Cakes.
*Claims use* since July, 1923.

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Ser. No. 219,907. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Sept. 5, 1925.

TARTALAX

Trade-mark consists in the word "Tartalax."
*Particular description of goods.*—Laxative.
*Claims use* since Aug. 3, 1925.

Ser. No. 219,934. (CLASS 12. CONSTRUCTION MATERIALS.) BUILT-IN FIXTURE COMPANY, Berkeley, Calif. Filed Sept. 8, 1925.

BERKLEE

*Particular description of goods.*—Ironing Boards, Medicine Cabinets, Folding Seats, Folding Tables, and Other Built-in Kitchen Equipment Known as Built-in Fixtures.
*Claims use* since Sept. 1, 1924.

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Ser. No. 219,935. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DELAVAN V. BURRELL, doing business as Aphicide Spray Mfg. Co., Rocky Ford, Colo. Filed Sept. 8, 1925.

Killice

*Particular description of goods.*—Insecticide.
*Claims use* since Aug. 20, 1925.

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Ser. No. 219,947. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DIANA MOTORS COMPANY, St. Louis, Mo. Filed Sept. 8, 1925.

DIANA

*Particular description of goods.*—Automobiles.
*Claims use* since June 1, 1925.

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Ser. No. 219,949. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOWNING TAYLOR COMPANY, Springfield, Mass. Filed Sept. 8, 1925.

Forest Park

Trade-mark consists of the words "Forest Park."
*Particular description of goods.*—Bluing and Ammonia.
*Claims use* since Jan. 10, 1895.

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Ser. No. 219,958. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GOULARD & OLENA, INC., New York, N. Y. Filed Sept. 8, 1925.

GO-Nex

*Particular description of goods.*—Insecticides.
*Claims use* since April, 1925.

Ser. No. 219,959. (CLASS 37. PAPER AND STATIONERY.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed Sept. 8, 1925.

SHEEPSKIN

*Particular description of goods.*—Wrapping Paper.
*Claims use* since Apr. 1, 1925.

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Ser. No. 219,961. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Sept. 8, 1925.

SEA-SPAR

*Particular description of goods.*—Varnishes.
*Claims use* since Apr. 11, 1925.

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Ser. No. 219,977. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MERRICK SCALE MFG. COMPANY, Passaic, N. J. Filed Sept. 8, 1925.

WEIGHMAN

*Particular description of goods.*—Weighing Apparatus, Including Automatic Weighing Apparatus, Continuous Weighing Apparatus, and Automatic or/and Continuous Weighing Apparatus Combined With Weight-Recording Mechanism.
*Claims use* since October, 1921.

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Ser. No. 219,983. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) NEW MIX PRODUCTS, INC., New York, N. Y. Filed Sept. 8, 1925.

NEW-MIX

*Particular description of goods.*—Tooth, Hair, Body, Nail, or Hand, and Shaving Brushes.
*Claims use* since Aug. 5, 1925.



Ser. No. 219,999. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TATER-FLAKES COMPANY, Chicago, Ill. Filed Sept. 8, 1925.

Tater-flakes
"They're Smackin' Good"
SPECIAL COOKING OIL

Applicant disclaims the words "Special Cooking Oil" except in connection with the other features of the mark.
*Particular description of goods.*—Cooking Oil.
*Claims use* since Dec. 15, 1924.

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Ser. No. 220,005. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE W. ZIEBOLD, doing business as Waterloo Milling Company, Waterloo, Ill. Filed Sept. 8, 1925.

PARTRIDGE

*Particular description of goods.*—Wheat Flour.
*Claims use* since Oct. 24, 1907.

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Ser. No. 220,008. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMSTERDAM BROOM COMPANY, Amsterdam, N. Y. Filed Sept. 9, 1925.

BABY MINE

*Particular description of goods.*—Brooms made from Broom Corn.
*Claims use* since November, 1908.

Ser. No. 220,009. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMSTERDAM BROOM COMPANY, Amsterdam, N. Y. Filed Sept. 9, 1925.

BROOMETTE

*Particular description of goods.*—Brooms Made from Broom Corn.
*Claims use* since March, 1925.

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Ser. No. 220,011. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMSTERDAM BROOM COMPANY, Amsterdam, N. Y. Filed Sept. 9, 1925.

ROVER

*Particular description of goods.*—Brooms Made from Broom Corn.
*Claims use* since August, 1906.

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Ser. No. 220,012. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMSTERDAM BROOM COMPANY, Amsterdam, N. Y. Filed Sept. 9, 1925.

MIRROR

*Particular description of goods.*—Brooms Made from Broom Corn.
*Claims use* since November, 1910.

Ser. No. 220,013. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMSTERDAM BROOM COMPANY, Amsterdam, N. Y. Filed Sept. 9, 1925.

U·E·R·
"USE 'EM ROUGH"

*Particular description of goods.*—Brooms Made from Broom Corn.
*Claims use* since August, 1921.

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Ser. No. 220,015. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. BABANI, Paris, France. Filed Sept. 9, 1925.

NANDITA

*Particular description of goods.*—Perfumes, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Rouge, Brilliantine, Eau de Cologne, and Dentifrices.
*Claims use* since Aug. 19, 1925.

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Ser. No. 220,018. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EHRO SULFUR LABORATORIES, INC., New York, N. Y. Filed Sept. 9, 1925.

EHROTHROMINE

*Particular description of goods.*—Medicinal Preparation for Use in Autointoxication and Related Disorders.
*Claims use* since June 17, 1925.

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Ser. No. 220,028. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM E. KAMPFMULLER, doing business as The Kampf Herbal Laboratories, Cincinnati, Ohio. Filed Sept. 9, 1925. Under ten-year proviso.

"DIABA"

*Particular description of goods.*—Preparation for Kidney and Bladder Troubles.
*Claims use* since October, 1890.

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Ser. No. 220,029. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORRIS LANGHAUS, doing business as Holdstrong Chemical Co., New York, N. Y. Filed Sept. 9, 1925.

SUN-RAY

*Particular description of goods.*—Hair Tonic.
*Claims use* since May 20, 1925.

Ser. No. 220,044. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOLLY SUGAR, doing business as Supero Laboratory Products Company, Ogden, Utah. Filed Sept. 9, 1925.

SUPERO

*Particular description of goods.*—Lotion Pastes and Powders for Beautifying and Preserving the Skin, Teeth, and Hair; and Perfumeries, Camphorated Oil, Menthol Ointment, Zinc-Oxide Ointment, and External Applications for Rheumatism, Neuralgia, Headache, Sore Throat, Sprains, and General Inflammation.
*Claims use* since July 1, 1925.

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Ser. No. 220,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOLLY SUGAR, doing business as Supero Laboratory Products Company, Ogden, Utah. Filed Sept. 9, 1925.

The picture is fanciful.
*Particular description of goods.*—Lotion Pastes and Powders for Beautifying and Preserving the Skin, Teeth, and Hair; and Perfumeries, Camphorated Oil, Menthol Ointment, Zinc-Oxide Ointment, and External Applications for Rheumatism, Neuralgia, Headache, Sore Throat, Sprains, and General Inflammation.
*Claims use* since July 1, 1925.

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Ser. No. 220,057. (CLASS 39. CLOTHING.) ADAM, MELDRUM & ANDERSON CO. INC., Buffalo, N. Y. Filed Sept. 10, 1925.

BIG OX

*Particular description of goods.*—Working Clothes—namely, Overalls, Work Shirts, and Pants.
*Claims use* since Aug. 1, 1925.



Ser. No. 220,063. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) DORF & CO., INC., New York, N. Y. Filed Sept. 10, 1925.

SERVISILK

*Particular description of goods.*—Umbrellas and Parasols.
*Claims use* since May 12, 1925.

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Ser. No. 220,064. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EAGLE REMEDY COMPANY, San Antonio, Tex. Filed Sept. 10, 1925.

SENGA-LAX

*Particular description of goods.*—Liquid Laxative.
*Claims use* since December, 1922.

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Ser. No. 220,068. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GERLINGER DRUG PRODUCTS INCORPORATED, New York, N. Y. Filed Sept. 10, 1925.

Gas-Trol

*Particular description of goods.*—Medicinal Preparation Used in Connection with Stomach Disorders.
*Claims use* since Mar. 1, 1925.

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Ser. No. 220,069. (CLASS 39. CLOTHING.) GUTTERMAN BROS., INC., St. Paul, Minn. Filed Sept. 10, 1925.

TEN THOUSAND LAKES

*Particular description of goods.*—Bathing Suits.
*Claims use* since Aug. 22, 1925.

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Ser. No. 220,077. (CLASS 39. CLOTHING.) MECHANISBURG MANUFACTURING COMPANY, Mechanicsburg, Pa. Filed Sept. 10, 1925.

RITEX

*Particular description of goods.*—Hosiery.
*Claims use* since June 1, 1924.

Ser. No. 220,079. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE OHIO MARBLE COMPANY, INC., Piqua, Ohio. Filed Sept. 10, 1925.

TOMCO

*Particular description of goods.*—Calcium Carbonate.
*Claims use* since January, 1915.

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Ser. No. 220,080. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PENNSYLVANIA LAWN MOWER WORKS, Philadelphia, Pa. Filed Sept. 10, 1925.

POINSETTA

*Particular description of goods.*—Lawn Mowers.
*Claims use* since August, 1925.

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Ser. No. 220,082. (CLASS 39. CLOTHING.) CLYDE S. PETERSON, Minneapolis, Minn. Filed Sept. 10, 1925.

NAVAKOTE

*Particular description of goods.*—Sport Jackets.
*Claims use* since Aug. 15, 1925.

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Ser. No. 220,083. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRICE-WILHOITE SPECIALTY CO., INC., Washington, D. C. Filed Sept. 10, 1925.

"FULMEAL"

*Particular description of goods.*—Sandwiches.
*Claims use* since September, 1921.

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Ser. No. 220,084. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRICE-WILHOITE SPECIALTY CO., INC., Washington, D. C. Filed Sept. 10, 1925.

"KUM-GET-MEE"

*Particular description of goods.*—Sandwiches.
*Claims use* since May 5, 1923.

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Ser. No. 220,085. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRICE-WILHOITE SPECIALTY CO., INC., Washington, D. C. Filed Sept. 10, 1925.

"JUS-T-NUF"

*Particular description of goods.*—Sandwiches.
*Claims use* since Feb. 2, 1923.

Ser. No. 220,086. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRICE-WILHOITE SPECIALTY CO., INC., Washington, D. C. Filed Sept. 10, 1925.

"YU-LI-KEM"

*Particular description of goods.*—Sandwiches.
*Claims use* since Oct. 12, 1923.

Ser. No. 220,119. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FOOD PRODUCTS CO., Baltimore, Md. Filed Sept. 11, 1925.

PACTFINE

*Particular description of goods.*—Canned Fruits and Vegetables—Namely, Canned Tomatoes and Canned Peaches
*Claims use* since May 11, 1925.

Ser. No. 220,127. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) JAMES A. HAYES, New York, N. Y. Filed Sept. 11, 1925.

LEGION

*Particular description of goods.*—Taxicabs.
*Claims use* since Mar. 31, 1925.

Ser. No. 220,130. (CLASS 39. CLOTHING.) L & B HOSIERY CO., INC., New York, N. Y. Filed Sept. 11, 1925.

THE L&B

*Particular description of goods.*—Men's, Women's, and Children's Hosiery.
*Claims use* since Sept. 15, 1924.

Ser. No. 220,133. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) NAVICOAL CORPORATION, Philadelphia, Pa. Filed Sept. 11, 1925.

Navicoal

*Particular description of goods.*—Fuel Briquets.
*Claims use* since about June 15, 1925.

Ser. No. 220,139. (CLASS 39. CLOTHING.) PEARL RAINWATER, Little Rock, Ark. Filed Sept. 11, 1925.

Kumseme

*Particular description of goods.*—Play Dresses for Children.
*Claims use* since May 15, 1925.

Ser. No. 220,154. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL TODARO, doing business as Paolo Todaro & Co., New York, N. Y. Filed Sept. 11, 1925.

LA-NOVA

*Particular description of goods.*—Olive Oil.
*Claims use* since Jan. 7, 1925.

Ser. No. 220,158. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE URBAN MILLING COMPANY, Buffalo, N. Y. Filed Sept. 11, 1925.

SILVARINA

*Particular description of goods.*—Farina.
*Claims use* since May, 1925.

Ser. No. 220,159. (CLASS 37. PAPER AND STATIONERY.) W. & T. METAL PRODUCTS CORPORATION, Detroit, Mich. Filed Sept. 11, 1925.

W. & T.
Sorting and System
Container

Disclaimer is made apart from the mark shown to the words "Sorting and System Container."
*Particular description of goods.*—Filing boxes.
*Claims use* since June 18, 1925.

Ser. No. 220,188. (CLASS 39. CLOTHING.) PHILIP GOLINKO, doing business as Florence Manufacturing Co., New York, N. Y. Filed Sept. 12, 1925.

GARTADRESS

*Particular description of goods.*—Misses' and Womens' Dresses.
*Claims use* since Sept. 1, 1925.



Ser. No. 220,228. (CLASS 39. CLOTHING.) GREAT SIX OVERALLS, INC., Winona, Minn. Filed Sept. 14, 1925.

OLD IRONSIDES

*Particular description of goods.*—Overalls and One-piece Work Suits.
*Claims use* since Aug. 1, 1925.

Ser. No. 220,235. (CLASS 39. CLOTHING.) MAX HYMAN & SON, INC., New York, N. Y. Filed Sept. 14, 1925.

SURETEX

*Particular description of goods.*—Men's and Boys' Dress, Sport, Work, and Negligée Shirts.
*Claims use* since Sept. 8, 1925.

Ser. No. 220,245. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCMAHAN & LEIB COMPANY, Anderson, Ind. Filed Sept. 14, 1925.

GYM

*Particular description of goods.*—Canned Pears, Canned Corn, and Canned Tomatoes.
*Claims use* since June 5, 1925.

Ser. No. 220,252. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PUYALLUP & SUMNER FRUIT GROWERS ASSOCIATION, Puyallup, Wash. Filed Sept. 14, 1925.

CHARMED LAND

*Particular description of goods.*—Canned Raspberries, Canned Blackberries, Canned Pears, Canned Rhubarb, Fresh Raspberries, and Fresh Cherries; Cold Pack or Frozen Raspberries, Strawberries, Blackberries, and Currants.
*Claims use* since Nov. 28, 1924.

Ser. No. 220,257. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHERN GYPSUM COMPANY, INCORPORATED, North Holston, Va. Filed Sept. 14, 1925.

TONO-SHEL

*Particular description of goods.*—Mineral Poultry Feed and Scratch.
*Claims use* since about Aug. 10, 1925.

Ser. No. 220,264. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TROUTDALE CELERY GROWERS UNION, Troutdale, Oreg. Filed Sept. 14, 1925.

BLUE RIBBON

*Particular description of goods.*—Fresh Celery.
*Claims use* since Aug. 15, 1910.

Ser. No. 220,266. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARNER MOORE & CO., doing business as The Dunlop Mills, Richmond, Va. Filed Sept. 14, 1925. Under 10-year proviso.

DUNLOP

*Particular description of goods.*—Wheat Flour.
*Claims use* since Oct. 1, 1883.

Ser. No. 220,283. (CLASS 37. PAPER AND STATIONERY.) ANGIER CORPORATION, Framingham, Mass. Filed Sept. 15, 1925.

ANTEX

*Particular description of goods.*—Crêped or Crinkled Paper Stock.
*Claims use* since May 2, 1925.

Ser. No. 220,294. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAUL PESSIN, doing business as The Pessin Pretzo Company, Cleveland, Ohio. Filed Sept. 15, 1925.

Pretzo

*Particular description of goods.*—Candy Confections.
*Claims use* since Aug. 21, 1925.

Ser. No. 220,314. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Sept. 16, 1925.

CORAL GABLE

Trade-mark consists of the words "Coral Gable."
*Particular description of goods.*—Candies.
*Claims use* since July 7, 1925.

Ser. No. 220,342. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE HANKELE, Philadelphia, Pa. Filed Sept. 17, 1925.

I'LL - SAY - SO"

*Particular description of goods.*—Candy in the Form of Bars.
*Claims use* since on or about Sept. 12, 1925.

Ser. No. 220,397. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Sept. 18, 1925.

"MOGUL"

*Particular description of goods.*—Men's Dress Shoes Made of Leather, Rubber, and Fabric, and Combinations of the Same.
*Claims use* since Feb. 15, 1925.

Ser. No. 220,418. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE J. M. PAVER CO., Chicago, Ill. Filed Sept. 18, 1925.

*See it in Glass—*
*Buy it in Tin!*

*Particular description of goods.*—Canned and Bottled Vegetables—Namely, Corn, Pumpkins, Succotash, Beans, Mixed Vegetables for Soup, Carrots, Beets, Hominy, Sauerkraut, Spinach, Squash, Asparagus, Asparagus Tips, Okra, Tomatoes, Peas; Canned and Bottled Fruits—Namely, Apples, Peaches, Apricots, Plums, Pears, Cherries, Pineapple; Canned and Bottled Berries—Namely, Dewberries, Blackberries, Strawberries, Raspberries, Blueberries, and Gooseberries.
*Claims use* since Aug. 1, 1925.

Ser. No. 220,487. (CLASS 39. CLOTHING.) THE A. P. HAT CO. INC., New York, N. Y. Filed Sept. 21, 1925.

Rose Marie

*Particular description of goods.*—Ladies' and Misses' Hats.
*Claims use* since July 1, 1925.

Ser. No. 220,503. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. L. DAWSON & COMPANY, San Francisco, Calif. Filed Sept. 21, 1925.

RODEO

*Particular description of goods.*—Canned Fruit, Canned Vegetables, Canned Fish, and Dried Fruit.
*Claims use* since July 28, 1925.

Ser. No. 220,504. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER DELANEY, doing business as Delaney & Young, Eureka, Calif. Filed Sept. 21, 1925.

Boutonniere

*Particular description of goods.*—Candy.
*Claims use* since Oct. 20, 1924.

Ser. No. 220,511. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. L. EARL, Chicago, Ill. Filed Sept. 21, 1925.

DRINK-O-LAX

*Particular description of goods.*—Laxative.
*Claims use* since July 15, 1925.

Ser. No. 220,518. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GATLIN & GATLIN, Los Angeles, Calif. Filed Sept. 21, 1925.

WHITE FLYER

*Particular description of goods.*—Canned Fish.
*Claims use* since May 15, 1925.

Ser. No. 220,519. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GATLIN & GATLIN, Los Angeles, Calif. Filed Sept. 21, 1925.

RED FLYER

*Particular description of goods.*—Canned Fish.
*Claims use* since May 15, 1925.

Ser. No. 220,559. (CLASS 37. PAPER AND STATIONERY.) THE MOORE PEN COMPANY, Boston, Mass. Filed Sept. 21, 1925.

Mopeco

Trade-mark consists in the word "Mopeco."
*Particular description of goods.*—Fountain Pens and Pencils.
*Claims use* since May 22, 1925



Ser. No. 220,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHWEST FRUIT DISTRIBUTORS, Seattle, Wash. Filed Sept. 21, 1925.

Standby

*Particular description of goods.*—Fresh Apples.
*Claims use* since Aug. 20, 1925.

Ser. No. 220,569. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK AUGUSTUS BOLLES PETERS, Sydney, Australia. Filed Sept. 21, 1925.

MALAR

*Particular description of goods.*—Pile Remedy.
*Claims use* since Aug. 15, 1925.

Ser. No. 220,580. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STAUFFER CHEMICAL CO., San Francisco, Calif. Filed Sept. 21, 1925.

FERROX

*Particular description of goods.*—Gas-Purifying Material.
*Claims use* since June 1, 1925.

Ser. No. 220,589. (CLASS 37. PAPER AND STATIONERY.) WALTER W. BAILEY, doing business as Bailey Paper Company, New York, N. Y. Filed Sept. 22, 1925.

SATISFOLD

*Particular description of goods.*—Book Paper.
*Claims use* since Sept. 1, 1925.

Ser. No. 220,590. (CLASS 37. PAPER AND STATIONERY.) WALTER W. BAILEY, doing business as Bailey Paper Company, New York, N. Y. Filed Sept. 22, 1925.

BAPACO

*Particular description of goods.*—Book Paper, Label Paper, Lithographing Paper, and Bond Paper.
*Claims use* since Sept. 1, 1925.



Ser. No. 220,603. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Sept. 22, 1925.

Aresin

*Particular description of goods.*—Powder for Dusting on Leaves in Vine Cultures and Orchards for Combating Injurious Insects, Such as Caterpillars, Etc.
*Claims use* since about March, 1925.

Ser. No. 220,622. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SIX WHEELS INCORPORATED, Los Angeles, Calif. Filed Sept. 22, 1925.

SIX WHEELS INC.

*Particular description of goods.*—Automobile Trucks.
*Claims use* since Sept. 1, 1924.

Ser. No. 220,659. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ISLETON CANNING CO., San Francisco, and Isleton, Calif. Filed Sept. 23, 1925.

BONNIE VALE

*Particular description of goods.*—Canned Fruits and Canned Vegetables.
*Claims use* since Aug. 1, 1922.

Ser. No. 220,660. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ISLETON CANNING CO., San Francisco, and Isleton, Calif. Filed Sept. 23, 1925.

WOODMERE

*Particular description of goods.*—Canned Fruits and Canned Vegetables.
*Claims use* since Aug. 1, 1922.

Ser. No. 220,678. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) QUAKER CITY CHOC. & CONF. CO., Philadelphia, Pa. Filed Sept. 23, 1925.

DUJIGGER

*Particular description of goods.*—Candy.
*Claims use* since Aug. 15, 1925.

Ser. No. 220,690. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VIVI, INC., New York, N. Y. Filed Sept. 23, 1925.

*Truvy*

*Particular description of goods.*—Face Powders, Talcum Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oil, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, and Sachets.
*Claims use* since Aug. 15, 1925.

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Ser. No. 220,724. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KARLSRUHER PARFUMERIE- UND TOILETTESEIFEN-FABRIK F. WOLFF & SOHN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Karlsruhe, Germany, Filed Sept. 24, 1925.

*Klarybella*

*Particular description of goods.*—Perfume, Toilet Water, Toilet Powder, Hair Tonic, Shampoo, Hair Oil, Face Cream, Brilliantine, and Bath Salts.
*Claims use* since May 1925.

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Ser. No. 220,727. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KARLSRUHER PARFUMERIE- UND TOILETTESEIFEN-FABRIK F. WOLFF & SOHN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Karlsruhe, Germany, Filed Sept. 24, 1925.

ELATA

*Particular description of goods.*—Perfume, Toilet Water, Toilet Powder, Hair Tonic, Shampoo, Hair Oil, Face Cream, Brilliantine, and Bath Salts.
*Claims use* since June, 1915.

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Ser. No. 220,729. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KARLSRUHER PARFUMERIE- UND TOILETTESEIFEN-FABRIK F. WOLFF & SOHN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Karlsruhe, Germany, Filed Sept. 24, 1925.

FIDELITAS

*Particular description of goods.*—Perfume, Toilet Water, Toilet Powder, Hair Tonic, Shampoo, Hair Oil, Face Cream, Brilliantine, and Bath Salts.
*Claims use* since February, 1914.

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Ser. No. 220,788. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Sept. 25, 1925.

DIGITOS

*Particular description of goods.*—Standardized Aqueous Preparation of Digitalis for Hypodermic Use.
*Claims use* since April, 1923.

Ser. No. 220,789. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Sept. 25, 1925.

DIGITOL

*Particular description of goods.*—Standardized Fat-Free Tincture of Digitalis.
*Claims use* since 1900.

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Ser. No. 220,795. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DRS. OSTROM & MEYER, Peoria, Ill. Filed Sept. 25, 1925.

ORA-TEX

*Particular description of goods.*—Mouth Wash.
*Claims use* since August, 1925.

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Ser. No. 220,797. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAROLUS M. PAULSON, doing business as Kalkus Chemical Company, Minneapolis, Minn. Filed Sept. 25, 1925.

KAL-KUS

*Particular description of goods.*—Perfume, Toilet Soft Corns, Calli, and Aching, Tired, Itching, Perspiring, and Odorous Feet.
*Claims use* since Sept. 21, 1925.

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Ser. No. 220,816. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL WOLDAN, doing business as Ciolen Laboratories, Elmhurst, N. Y. Filed Sept. 25, 1925.

CIOLEN

*Particular description of goods.*—Antiseptic Healing Ointment for Use in Connection with Burns, Scalds, and Sunburn.
*Claims use* since June 2, 1925.



Ser. No. 220,822. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925.

ASCO

*Particular description of goods.*—Brooms Made from Broom Corn.
*Claims use* since June 5, 1917.

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Ser. No. 220,826. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925.

DAWN

*Particular description of goods.*—Breakfast Drink Used as a Substitute for Coffee.
*Claims use* since Feb. 26, 1925.

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Ser. No. 220,844. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EQUITABLE INVESTMENT COMPANY, INCORPORATED, Washington, D. C. Filed Sept. 26, 1925.

NEUROLAX

*Particular description of goods.*—Laxative Nervetone Compound.
*Claims use* since Sept. 17, 1925.

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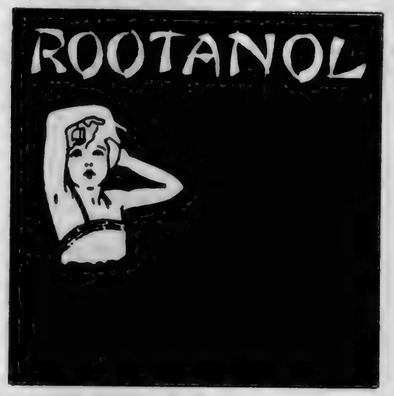
Ser. No. 220,885. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH BRUECK, doing business as Glossine Chemical Co., New York, N. Y. Filed Sept. 28, 1925.




The portrait appearing on the drawing is fanciful.
*Particular description of goods.*—Composition of Matter Used for Facilitating the Extraction of Hairs from the Face and Hands of Human Beings.
*Claims use* since July 1, 1923.

Ser. No. 220,890. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Sept. 28, 1925.

Germanin

*Particular description of goods.*—Remedies for Sleeping Sickness.
*Claims use* since about December, 1924.

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Ser. No. 220,891. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Sept. 28, 1925.

Naganol

*Particular description of goods.*—Veterinary Remedies for Sleeping Sickness.
*Claims use* since about December, 1924.

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Ser. No. 220,897. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM W. HEARNE, INC., Philadelphia, Pa. Filed Sept. 28, 1925.

PICKELETTE

*Particular description of goods.*—Inhibiting Compound for Treating Metals.
*Claims use* since August, 1922.

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Ser. No. 220,907. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Sept. 28, 1925.

FIBROGEN

*Particular description of goods.*—Blood Coagulant.
*Claims use* since Jan. 1, 1923.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

NOVEMBER 3, 1925.

205,066. ADDING AND LISTING MACHINES. CORONA TYPEWRITER COMPANY, INC., Groton, N. Y.
Filed July 15, 1925. Serial No. 217,393. PUBLISHED AUGUST 25, 1925.

205,067. BANANAS. IRWIN R. BUTZBACH, South Bend, Ind.
Filed July 13, 1925. Serial No. 217,254. PUBLISHED AUGUST 25, 1925.

205,068. FRESH PEARS. THE PIONEER FRUIT COMPANY, San Francisco, Calif.
Filed July 10, 1925. Serial No. 217,180. PUBLISHED AUGUST 25, 1925.

205,069. FRESH PEARS. GORDON VOORHIES, Medford, Oreg.
Filed July 9, 1925. Serial No. 217,122. PUBLISHED AUGUST 25, 1925.

205,070. CANNED SARDINES. PACIFIC ORIENT CO., San Francisco, Calif.
Filed July 9, 1925. Serial No. 217,110. PUBLISHED AUGUST 25, 1925.

205,071. COFFEE. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed July 9, 1925. Serial No. 217,088. PUBLISHED AUGUST 25, 1925.

205,072. COFFEE. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed July 9, 1925. Serial No. 217,085. PUBLISHED AUGUST 25, 1925.

205,073. RACKS TO HOLD SHOES. RANDOLPH BRUNSON, doing business as H. P. Lodnar Co., New York, N. Y.
Filed July 7, 1925. Serial No. 216,964. PUBLISHED AUGUST 25, 1925.

205,074. BRASS TUBES. ANACONDA COPPER MINING COMPANY, New York, N. Y.
Filed July 6, 1925. Serial No. 216,866. PUBLISHED AUGUST 25, 1925.

205,075. WHEAT FLOUR. EMPIRE MILLING COMPANY, Minneapolis, Minn.
Filed June 23, 1925. Serial No. 216,264. PUBLISHED AUGUST 25, 1925.

205,076. SHELLED SALTED NUTS—NAMELY, ALMONDS, PECANS, AND PEANUTS. EDWARD F. KEISTER, Kansas City, Mo.
Filed June 9, 1925. Serial No. 215,516. PUBLISHED AUGUST 25, 1925.

205,077. DOUGHNUTS. EDWARD S. GOLDHILL, New York, N. Y.
Filed March 7, 1925. Serial No. 210,657. PUBLISHED AUGUST 25, 1925.

205,078. COTTON AND COTTON-AND-SILK DRAPERIES AND UPHOLSTERIES. MANVILLE JENCKES COMPANY, Pawtucket, R. I.
Filed February 9, 1925. Serial No. 209,305. PUBLISHED AUGUST 25, 1925.

205,079. BREAD. BAKERS SERVICE BUREAU, INC., New York, N. Y.
Filed December 27, 1924. Serial No. 207,288. PUBLISHED AUGUST 25, 1925.

205,080. WHITE DUCK GOODS AND WHITE DRILL GOODS. M. SNOWER & CO., INC., Chicago, Ill.
Filed January 9, 1924. Serial No. 190,617. PUBLISHED AUGUST 25, 1925.

205,081. WHEAT FLOUR. THE POCATELLO FLOUR MILLS COMPANY, Pocatello, Idaho.
Filed July 1, 1925. Serial No. 216,744. PUBLISHED AUGUST 18, 1925.

205,082. CHEESE. DAVIS BROS. CHEESE CO., Plymouth, Wis.
Filed June 24, 1925. Serial No. 216,326. PUBLISHED AUGUST 18, 1925.

205,083. WHEAT FLOUR. PORTLAND FLOUR MILLS CO., San Francisco, Calif.
Filed June 23, 1925. Serial No. 216,288. PUBLISHED AUGUST 18, 1925.

205,084. WHEAT FLOUR. PORTLAND FLOUR MILLS CO., San Francisco, Calif.
Filed June 23, 1925. Serial No. 216,287. PUBLISHED AUGUST 18, 1925.

205,085. SHOCK ABSORBERS. SUPER SHOCK ABSORBER CO., INC., Jersey City, N. J.
Filed June 20, 1925. Serial No. 216,124. PUBLISHED AUGUST 18, 1925.

205,086. FINGER RINGS, GEM MOUNTINGS, GEM SETTINGS, BRACELETS AND BRACELET MOUNTINGS, THIMBLES, BAR PINS, EARRINGS, NECKLACE CLASPS, ALL OF THE ABOVE NAMED BEING MADE OF OR COATED WITH PRECIOUS METAL. MILTON L. ERNST INC., New York, N. Y.
Filed June 16, 1925. Serial No. 215,852. PUBLISHED AUGUST 18, 1925.

205,087. SAXOPHONES. THE FRED. GRETSCH MFG. CO., Brooklyn, N. Y.
Filed June 13, 1925. Serial No. 215,742. PUBLISHED AUGUST 18, 1925.

205,088. ARTICLES OF JEWELRY COMPRISING FINGER RINGS; PRECIOUS-STONE MOUNTINGS FOR RINGS, PINS, AND BROOCHES; WATCH AND NECK CHAINS, BRACELETS, EMBLEMS, BROOCHES, BAR PINS, EARDROPS, BUCKLES, CUFF BUTTONS, SHIRT BUTTONS, SILVER-PLATED FLATWARE AND HOLLOW WARE, STERLING FLATWARE AND HOLLOW WARE, CHARMS, NECKLACES, PEARLS, LAVALLIÈRES, CIGARETTE CASES AND HOLDERS, CIGAR CASES AND HOLDERS, JEWELRY BOXES AND HOLDERS, ALL OF WHICH ARE MADE OF OR PLATED WITH PRECIOUS METAL. HOMER FREMONT PIERCE, Rochester, Ind.
Filed June 1, 1925. Serial No. 215,176. PUBLISHED AUGUST 25, 1925.

205,089. BOW-PLAYED STRINGED MUSICAL INSTRUMENTS. THE BOSSTONE COMPAN, Boston and East Boston, Mass.
Filed May 21, 1925. Serial No. 214,640. PUBLISHED AUGUST 11, 1925.

205,090. FINGER RINGS AND RING MOUNTINGS. WEXLER BROTHERS, Chicago, Ill.
Filed May 18, 1925. Serial No. 214,525. PUBLISHED AUGUST 11, 1925.

205,091. FUR PELTS. HENRY ROSENBERG, New York, N. Y.
Filed May 15, 1925. Serial No. 214,380. PUBLISHED AUGUST 18, 1925.

205,092. ORNAMENTAL PLANTS AND TREES. REASONER BROTHERS, doing business as Royal Palm Nurseries, Oneco, Fla.
Filed May 5, 1925. Serial No. 213,859. PUBLISHED AUGUST 18, 1925.





205,093. SILVER-PLATED HOLLOW WARE. FARBER BROTHERS, New York, N. Y.
Filed May 2, 1925. Serial No. 213,703. PUBLISHED AUGUST 11, 1925.

205,094. CLOTHES-WASHING MACHINES. WRIGHT & WRIGHT, INC., Philadelphia and Chester, Pa.; Camden, N. J.; and Wilmington, Del.
Filed April 25, 1925. Serial No. 213,341. PUBLISHED AUGUST 25, 1925.

205,095. EGGS. NAOMI PRODUCE CO., Chicago, Ill.
Filed April 16, 1925. Serial No. 212,824. PUBLISHED AUGUST 18, 1925.

205,096. CERTAIN SUPPLIES FOR MUSICAL INSTRUMENTS. BAKELITE CORPORATION, New York, N. Y.
Filed April 11, 1925. Serial No. 212,524. PUBLISHED AUGUST 11, 1925.

205,097. TALKING MACHINES AND PARTS THEREOF, PHONOGRAPHS AND PARTS THEREOF, NEEDLES FOR TALKING MACHINES, DISKS, RECORDS, AND SOUND BOXES, DICTATING MACHINES AND PARTS THEREOF. CARL LINDSTRÖM AKTIENGESELLSCHAFT, Berlin, Germany.
Filed April 8, 1925. Serial No. 212,388. PUBLISHED AUGUST 18, 1925.

205,098. THREAD. THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C.
Filed April 2, 1925. Serial No. 212,071. PUBLISHED AUGUST 25, 1925.

205,099. PHONOGRAPHS AND PARTS THEREOF AND SUPPLIES THEREFOR — NAMELY, NEEDLES AND RECORD ALBUMS—AND PHONOGRAPH RECORDS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed September 12, 1924. Serial No. 202,549. PUBLISHED AUGUST 11, 1925.

205,100. MOTOR TRUCKS. INTERNATIONAL MOTOR COMPANY, New York, N. Y.
Filed September 11, 1924. Serial No. 202,505. PUBLISHED AUGUST 18, 1925.

205,101. VIOLINS AND PIANOS. RUDOLPH F. PECINA, Los Angeles, Calif.
Filed August 13, 1924. Serial No. 201,372. PUBLISHED AUGUST 18, 1925.

205,102. HARD FIBROUS MATERIAL GENERALLY USED IN SHEET FORM FOR PANELS OF AUTOMOBILES AND IN THE MANUFACTURE OF FURNITURE, SUITCASES, ETC. ATLAS LEATHER COMPANY, Caseyville, Ill.
Filed July 5, 1924. Serial No. 199,599. PUBLISHED AUGUST 18, 1925.

205,103. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,373. PUBLISHED AUGUST 11, 1925.

205,104. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,372. PUBLISHED AUGUST 11, 1925.

205,105. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,370. PUBLISHED AUGUST 11, 1925.

205,106. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,369. PUBLISHED AUGUST 11, 1925.

205,107. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,368. PUBLISHED AUGUST 11, 1925.

205,108. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,367. PUBLISHED AUGUST 11, 1925.

205,109. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,366. PUBLISHED AUGUST 11, 1925.

205,110. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,365. PUBLISHED AUGUST 11, 1925.

205,111. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,364. PUBLISHED AUGUST 11, 1925.

205,112. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,363. PUBLISHED AUGUST 11, 1925.

205,113. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,362. PUBLISHED AUGUST 11, 1925.

205,114. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,361. PUBLISHED AUGUST 11, 1925.

205,115. PADS USED AS MATTRESS PROTECTORS. R. H. MACY & CO., INC., New York, N. Y.
Filed June 4, 1924. Serial No. 198,078. PUBLISHED AUGUST 18, 1925.

205,116. LADIES' COTTON KNIT VESTS. MANHEIM UNDERWEAR COMPANY, Ephrata, Pa.
Filed May 31, 1924. Serial No. 197,889. PUBLISHED AUGUST 11, 1925.

205,117. CHRISTMAS-TREE OUTFITS CONSISTING OF MINIATURE ELECTRIC LIGHTS. THE M. PROPP CO., New York, N. Y.
Filed March 28, 1924. Serial No. 194,616. PUBLISHED JULY 14, 1925.

205,118. WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, CORSETS, CORSET WAISTS, BELTS, BRASSIÈRES, BANDEAUX, AND GIRDLES. ROYAL WORCESTER CORSET COMPANY, Worcester, Mass.
Filed March 22, 1924. Serial No. 194,304. PUBLISHED AUGUST 18, 1925.

205,119. LUBRICATING GRAPHITE, GRAPHITE GREASE, AND GRAPHITE LUBRICANT. THE UNITED STATES GRAPHITE CO., Saginaw, Mich.
Filed March 19, 1924. Serial No. 194,086. PUBLISHED AUGUST 18, 1925.

205,120. CERTAIN TOILET PREPARATIONS. LUDWIG SCHERK, doing business as Parfümerie Scherk, Berlin, Germany.
Filed April 30, 1923. Serial No. 179,965. PUBLISHED AUGUST 11, 1925.

205,121. CERTAIN TOILET PREPARATIONS. LUDWIG SCHERK, doing business as Parfümerie Scherk, Berlin, Germany.
Filed April 30, 1923. Serial No. 179,964. PUBLISHED AUGUST 11, 1925.

205,122. CANNED FRUITS AND CANNED VEGETABLES. FRED B. NEUHOFF, doing business as Fred B. Neuhoff Company, Los Angeles, Calif.
Filed November 11, 1922. Serial No. 171,859. PUBLISHED FEBRUARY 17, 1925.

205,123. GINGER ALE. JACKSON BREWING COMPANY, New Orleans, La.
Filed June 29, 1925. Serial No. 216,603. PUBLISHED AUGUST 18, 1925.

205,124. AUTOMOBILES AND CONSTRUCTIVE PARTS THEREOF. LOCOMOBILE COMPANY OF AMERICA INCORPORATED, Bridgeport, Conn.
Filed April 29, 1925. Serial No. 213,514. PUBLISHED AUGUST 18, 1925.

205,125. PENCILS. GIPSY TRAIL CAMP AND COUNTRY CLUB INC., New York, N. Y.
Filed April 18, 1925. Serial No. 212,915. PUBLISHED AUGUST 11, 1925.

205,126. HOSIERY. TRUE SHAPE HOSIERY COMPANY, Philadelphia, Pa.
Filed April 14, 1925. Serial No. 212,705. PUBLISHED AUGUST 18, 1925.

205,127. FLOUR-MILLING AND BAKERS' MACHINERY, SPECIFICALLY, FLOUR SIFTERS, DOUGH 'MIXERS, LOAF MOLDERS, DOUGH PROOFERS, AND CAKE MIXERS. THE PEERLESS BREAD MACHINE COMPANY, Sidney, Ohio.
Filed April 13, 1925. Serial No. 212,635. PUBLISHED AUGUST 18, 1925.

205,128. ANTISEPTIC AND ASTRINGENT REMEDY. THE MARVELL PHARMACAL CO., INCORPORATED, New York, N. Y.
Filed April 13, 1925. Serial No. 212,627. PUBLISHED AUGUST 11, 1925.

205,129. KNIFE HANDLES, SAW HANDLES, GEARS, GEAR-SHIFT BALLS, DASHPOTS, LATHE HAND-WHEELS, ANTIFRICTION BEARINGS, TYPEWRITER PARTS, TOOL HANDLES, PAPER-HANGERS' SEAM ROLLERS, VENDING-MACHINE PARTS, TYPEWRITER PARTS, ADDING-MACHINE PARTS, CALCULATOR PARTS, CHECK-PROTECTOR PARTS, FIRE-EXTINGUISHER SHELLS, FRUIT KNIVES, ORANGE PEELERS, AND TYPE PLATES FOR PRINTING ON PAPER, CLOTH, OR OTHER FABRICS. BAKELITE CORPORATION, New York, N. Y.
Filed April 11, 1925. Serial No. 212,531. PUBLISHED AUGUST 18, 1925.

205,130. MACHINES FOR DISTRIBUTING POWDER INSECTICIDES. COMET ELECTRIC CO., Indianapolis, Ind.
Filed April 4, 1925. Serial No. 212,174. PUBLISHED AUGUST 18, 1925.

205,131. THREAD. THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C.
Filed April 2, 1925. Serial No. 212,075. PUBLISHED AUGUST 18, 1925.

205,132. THREAD. THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C.
Filed April 2, 1925. Serial No. 212,073. PUBLISHED AUGUST 18, 1925.

205,133. THREAD. THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C.
Filed April 2, 1925. Serial No. 212,072. PUBLISHED AUGUST 18, 1925.

205,134. THREAD. THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C.
Filed April 2, 1925. Serial No. 212,070. PUBLISHED AUGUST 18, 1925.

205,135. FRESH APPLES AND FRESH PEARS. PERHAM FRUIT COMPANY, Yakima, Wash.
Filed April 1, 1925. Serial No. 212,031. PUBLISHED AUGUST 18, 1925.

205,136. FRESH APPLES AND FRESH PEARS. PERHAM FRUIT COMPANY, Yakima, Wash.
Filed April 1, 1925. Serial No. 212,030. PUBLISHED AUGUST 18, 1925.

205,137. FRESH APPLES AND FRESH PEARS. PERHAM FRUIT COMPANY, Yakima, Wash.
Filed April 1, 1925. Serial No. 212,029. PUBLISHED AUGUST 18, 1925.

205,138. MEDICINAL REMEDIES FOR LIVER AILMENTS. ROBERT CONN, Dunedin, New Zealand.
Filed March 30, 1925. Serial No. 211,834. PUBLISHED AUGUST 11, 1925.

205,139. PAPER AND CLOTH SILHOUETTE DESIGNS AND FIGURES. BEATRIX SHERMAN, New York, N. Y.
Filed March 28, 1925. Serial No. 211,807. PUBLISHED AUGUST 18, 1925.

205,140. BRANDIES, LIQUORS, PUNCHES, ALCOHOLIC ESSENCES AND EXTRACTS. EGON BRAUN, Hamburg, Germany, assignor to Egan Braun Aktiengesellschaft, Hamburg, Germany, a Corporation of Germany.
Filed March 26, 1925. Serial No. 211,659. PUBLISHED AUGUST 18, 1925.

205,141. BALATA BELTING FOR COVEYER AND TRANSMISSION PURPOSES AND VALVES. H. ROST & CO., Hamburg, Germany.
Filed March 18, 1925. Serial No. 211,228. PUBLISHED AUGUST 4, 1925.

205,142. REPAIR KITS FOR REPAIRING ARTICLES MADE OF RUBBER OR RUBBERIZED FABRIC. FINCH-WALKER MANUFACTURING CO., Kenton, Tenn.
Filed May 14, 1925. Serial No. 214,316. PUBLISHED AUGUST 4, 1925.

205,143. FRUIT, PARTICULARLY FRESH APPLES. RED APPLE ORCHARD CORPORATION, Shipman, Va.
Filed May 13, 1925. Serial No. 214,275. PUBLISHED JULY 28, 1925.

205,144. CUTTING MATERIALS, COMPOSED OF GRIT HELD IN FORM WITH WAX AND OIL, AND POLISHING POWDER. CLARK P. CURRIER, doing business as Aurora Dental Specialties Co., Aurora, Ill.
Filed May 13, 1925. Serial No. 214,238. PUBLISHED AUGUST 18, 1925.

205,145. FUEL PUMPS FOR INTERNAL-COMBUSTION ENGINES. THE IRELAND & MATTHEWS MANUFACTURING COMPANY, Detroit, Mich.
Filed May 11, 1925. Serial No. 214,164. PUBLISHED AUGUST 18, 1925.

205,146. WINDMILLS. STOVER MANUFACTURING & ENGINE COMPANY, Freeport, Ill.
Filed May 6, 1925. Serial No. 213,932. PUBLISHED JULY 21, 1925.

205,147. GAS WATER HEATERS—NAMELY, TANK HEATERS, AUTOMATIC STORAGE HEATERS, AND INSTANTANEOUS HEATERS, AND PARTS AND ACCESSORIES THEREFOR. THE SANDS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed May 6, 1925. Serial No. 213,923. PUBLISHED AUGUST 18, 1925.

205,148. INDIA-RUBBER INFLATABLE CUSHIONS. DAVID MOSELEY & SONS, LIMITED, Manchester, England.
Filed May 5, 1925. Serial No. 213,852. PUBLISHED AUGUST 4, 1925.

205,149. VEHICLE WHEELS. THE BASSICK COMPANY, Bridgeport, Conn.
Filed May 4, 1925. Serial No. 213,761. PUBLISHED AUGUST 11, 1925.

205,150. FIXTURE AND METAL POLISH. MILTON H. SAMSON, doing business as Samson Laboratories, Chicago, Ill.
Filed May 2, 1925. Serial No. 213,742. PUBLISHED AUGUST 18, 1925.

205,151. PNEUMATIC MOTORS. PNEUMATIC DOOR MOTORS, PNEUMATIC STEP MOTORS, DOOR SHOES, PIPE-LINE DOORS, PNEUMATIC SAFETY APPARATUS FOR DOORS, MECHANICAL AND PNEUMATIC DOOR SIGNALING APPARATUS, MECHANICAL AND PNEUMATIC DOOR-OPERATION APPARATUS, MECHANICAL AND PNEUMATIC DOOR-OPERATION-CONTROL APPARATUS. NATIONAL PNEUMATIC COMPANY, New York, N. Y.
Filed May 2, 1925. Serial No. 213,723. PUBLISHED AUGUST 18, 1925.



205,152. CANNED VEGETABLES—NAMELY, CANNED CORN. IOWA CANNING CO., Vinton, Iowa.
Filed May 1, 1925. Serial No. 213,648. PUBLISHED AUGUST 18, 1925.

205,153. FRESH ONIONS. NATHAN E. GREENBERGER, doing business as International Fruit Exchange, New York, N. Y.
Filed May 1, 1925. Serial No. 213,640. PUBLISHED AUGUST 18, 1925.

205,154. PAPER CLIPS. L. F. GRAMMES & SONS, INC., Allentown, Pa.
Filed Apr. 30, 1925. Serial No. 213,570. PUBLISHED AUGUST 4, 1925.

205,155. MULCHING PAPER WHICH IS PLACED OVER SEEDS OF YOUNG PLANTS FOR THE PURPOSE OF HASTENING GERMINATION OF THE SEED OR GROWTH OF THE PLANT AND FOR THE SUPPRESSION OF WEEDS. NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif.
Filed Apr. 29, 1925. Serial No. 213,520. PUBLISHED AUGUST 4, 1925.

205,156. HOSIERY. WALTER J. MCCLELLAND, New York, N. Y.
Filed Apr. 28, 1925. Serial No. 213,449. PUBLISHED AUGUST 18, 1925.

205,157. FILING CABINETS. PRESSTEEL ENGINEERING CORPORATION, New York, N. Y.
Filed Apr. 27, 1925. Serial No. 213,404. PUBLISHED AUGUST 4, 1925.

205,158. EYELETS. EDWARD L. SIBLEY MANUFACTURING COMPANY, Bennington, Vt.
Filed Apr. 25, 1925. Serial No. 213,324. PUBLISHED AUGUST 4, 1925.

205,159. GAS WATER HEATERS—NAMELY, TANK HEATERS, AUTOMATIC STORAGE HEATERS, AND INSTANTANEOUS HEATERS, AND PARTS AND ACCESSORIES THEREFOR. THE SANDS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed Apr. 23, 1925. Serial No. 213,198. PUBLISHED AUGUST 18, 1925.

205,160. PIECE GOODS MADE OF WOOL. ROUBAIX MILLS, INC., New York, N. Y.
Filed Apr. 23, 1925. Serial No. 213,193. PUBLISHED AUGUST 18, 1925.

205,161. HAMMERS, SLEDGES, MALLETS, HATCHETS, AXES, AND ADZES OF ALL KINDS AND SIZES AND HANDLES FOR TOOLS OF THIS TYPE. AMERICAN HAMMER CORPORATION, New York, N. Y.
Filed Apr. 23, 1925. Serial No. 213,156. PUBLISHED AUGUST 18, 1925.

205,162. CANNED SALMON. FIDALGO ISLAND PACKING COMPANY, Seattle, Wash.
Filed May 27, 1925. Serial No. 214,954. PUBLISHED AUGUST 18, 1925.

205,163. MALT SIRUP FOR FOOD PURPOSES. S. L. GOLDMAN, doing business as Red Sun Products Co., Chicago, Ill.
Filed May 25, 1925. Serial No. 214,863. PUBLISHED AUGUST 18, 1925.

205,164. PICKLES. REID, MURDOCH & CO., Chicago, Ill.
Filed May 23, 1925. Serial No. 214,813. PUBLISHED AUGUST 18, 1925.

205,165. TRAVELING BAG. THE LOKAPAK COMPANY, INC., New York, N. Y.
Filed May 23, 1925. Serial No. 214,806. PUBLISHED AUGUST 18, 1925.

205,166. GLASS BOTTLES, FLASKS, JARS, JUGS, AND DECANTERS. TURNER BROTHERS COMPANY, Terre Haute, Ind.
Filed May 22, 1925. Serial No. 214,759. PUBLISHED AUGUST 18, 1925.

205,167. CANNED FRUITS AND CANNED VEGETABLES, ALSO APRICOT JAM. CUTLER-LOBINGIER PACKING COMPANY, Ontario, Calif.
Filed May 22, 1925. Serial No. 214,715. PUBLISHED AUGUST 18, 1925.

205,168. COTTON PIECE GOODS. MATTHEW W. RYAN, doing business as W. H. Brown Son & Co., New York, N. Y.
Filed May 21, 1925. Serial No. 214,690. PUBLISHED AUGUST 18, 1925.

205,169. WOMEN'S AND MISSES' UNDERWEAR, MADE OF CUT MATERIALS, BOTH KNITTED AND TEXTILE—NAMELY, CHEMISES, BLOOMERS, VESTS, NIGHTGOWNS, SLIPS, PETTICOATS, NEGLIGEES, DRAWERS, STEP INS, BRASSIÈRES, PYJAMAS, AND GARTERS. LADY FAIR CORPORATION, Chicago, Ill.
Filed May 21, 1925. Serial No. 214,669. PUBLISHED AUGUST 4, 1925.

205,170. LUBRICATING OIL. CRESCENT OIL COMPANY, Baltimore, Md.
Filed May 21, 1925. Serial No. 214,650. PUBLISHED AUGUST 18, 1925.

205,171. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. BARNET JULIUS, doing business as General Seltzer Mfg. Co., Quincy, Mass.
Filed May 20, 1925. Serial No. 214,600. PUBLISHED AUGUST 18, 1925.

205,172. SHEETS, PILLOWCASES, AND PIECE GOODS OF LINEN, COTTON, CANVAS, AND SAILCLOTH. The LAMPORT MFG. SUPPLY CO., INC., New York, N. Y.
Filed May 19, 1925. Serial No. 214,555. PUBLISHED AUGUST 18, 1925.

205,173. CLEANING PREPARATIONS, INCLUDING GENERAL CLEANING PREPARATIONS FOR CLEANING FLOORS, WALLS, WASHING DISHES AND GLASSES, MILK CANS AND BOTTLES, AND OTHER KINDS OF GENERAL CLEANING. INDIA ALKALI WORKS, Boston, Mass.
Filed May 18, 1925. Serial No. 214,481. PUBLISHED AUGUST 18, 1925.

205,174. BAKING POWDER. JAQUES MANUFACTURING COMPANY, Chicago, Ill.
Filed May 16, 1925. Serial No. 214,424. PUBLISHED AUGUST 4, 1925.

205,175. BAKING POWDER. JAQUES MANUFACTURING COMPANY, Chicago, Ill.
Filed May 16, 1925. Serial No. 214,423. PUBLISHED AUGUST 4, 1925.

205,176. BAKING POWDER. JAQUES MANUFACTURING COMPANY, Chicago, Ill.
Filed May 16, 1925. Serial No. 214,422. PUBLISHED AUGUST 4, 1925.

205,177. RUBBER TYPE. JAS. H. MATTHEWS & CO., INC., Pittsburgh, Pa.
Filed May 15, 1925. Serial No. 214,373. PUBLISHED AUGUST 11, 1925.

205,178. ASPHALTUM. CHARLES P. HALL, doing business as The C. P. Hall Co., Akron, Ohio.
Filed May 15, 1925. Serial No. 214,359. PUBLISHED AUGUST 11, 1925.

205,179. PLAIN WHOLE CONDENSED MILK, SWEETENED WHOLE CONDENSED MILK, PLAIN SKIMMED CONDENSED MILK, SWEETENED SKIMMED CONDENSED MILK, AND SUPERHEATED CONDENSED MILK. JERSEY STAR CREAMERY INC., Irasburg, Vt.
Filed May 14, 1925. Serial No. 214,324. PUBLISHED AUGUST 18, 1925.

205,180. MECHANICAL TOYS. HUBER-SWEET MFG. CO., Highland Park, Ill.
Filed May 14, 1925. Serial No. 214,322. PUBLISHED AUGUST 18, 1925.

205,181. WATER SOFTENERS. ROY J. HELD, doing business as Stover Steel Tank & Mfg. Co., Freeport, Ill.
Filed May 14, 1925. Serial No. 214,321. PUBLISHED AUGUST 18, 1925.

205,182. SALVE OR HEALING BALM USED IN THE TREATMENT OF COLDS, NASAL CATARRH, BURNS, AND SKIN DISEASES. WILLIAM GOLDEN, doing business as The Pho-Mus-Tine Co., Oklahoma City, Okla.
Filed May 27, 1925. Serial No. 214,957. PUBLISHED AUGUST 4, 1925.

205,183. SHORTENING MADE FROM COTTONSEED OIL. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex.
Filed May 27, 1925. Serial No. 214,961. PUBLISHED AUGUST 18, 1925.

205,184. CEMENT RECOATING FOR STUCCO. THE ROXEMENT COMPANY, Chicago, Ill.
Filed May 27, 1925. Serial No. 214,975. PUBLISHED AUGUST 18, 1925.

205,185. CRAVATS AND NECKTIES. MORRIS P. COHEN, doing business as M. P. Cohen Co., New York, N. Y.
Filed May 28, 1925. Serial No. 214,999. PUBLISHED AUGUST 18, 1925.

205,186. CANNED BERRIES. EVERETT PACKING CO., Everett, Wash.
Filed May 29, 1925. Serial No. 215,061. PUBLISHED AUGUST 18, 1925.

205,187. ANTISEPTIC AND DEODORIZING EMOLLIENT IN CREAM FORM FOR AILING FEET. FARWELL LABORATORIES, Los Angeles, Calif.
Filed May 29, 1925. Serial No. 215,062. PUBLISHED AUGUST 4, 1925.

205,188. WEATHER STRIPS FOR WINDOWS. HOFFBAUER COMPANY, INC., New York, N. Y.
Filed May 29, 1925. Serial No. 215,069. PUBLISHED AUGUST 11, 1925.

205,189. HOSIERY, BLOOMERS, VESTS, PANTALETS, BRASSIÈRES, CORSETS, KNICKERS, PETTICOATS, SLIPS, AND CAMISOLES MADE OF SILK, COTTON, JERSEY MATERIALS, AND RAYON OR ARTIFICIAL SILK AND LINENS. HOLLAND, HESSOL & CAPLIN CO. INC., doing business as Golletic Manufacturing Co., New York, N. Y.
Filed May 29, 1925. Serial No. 215,070. PUBLISHED AUGUST 11, 1925.

205,190. HOSIERY FOR MEN, WOMEN, AND CHILDREN. LIDO HOSIERY SHOPS, INC., New York, N. Y.
Filed May 29, 1925. Serial No. 215,073. PUBLISHED AUGUST 11, 1925.

205,191. POWDERED MILK PRODUCT MADE FROM A COMBINATION OF SKIMMED MILK AND CREAM SOURED WITH A PURE LACTIC CULTURE. MERRELL-SOULE COMPANY, Syracuse, N. Y.
Filed June 1, 1925. Serial No. 215,164. PUBLISHED AUGUST 18, 1925.

205,192. WRAPPING PAPER. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis.
Filed June 1, 1925. Serial No. 215,167. PUBLISHED AUGUST 4, 1925.

205,193. LIQUID CHLORINE. ELECTRO BLEACHING GAS COMPANY, New York, N. Y.
Filed June 2, 1925. Serial No. 215,201. PUBLISHED AUGUST 11, 1925.

205,194. LIQUID CHLORINE. ELECTRO BLEACHING GAS COMPANY, New York, N. Y.
Filed June 2, 1925. Serial No. 215,202. PUBLISHED AUGUST 11, 1925.

205,195. RECORD-RESURFACING AND RECORD-SHAVING MACHINES USED PARTICULARLY TO RECONDITION THE SURFACE OF PHONOGRAPH RECORDS FOR USE. DICTAPHONE CORPORATION, Bridgeport, Conn.
Filed June 3, 1925. Serial No. 215,234. PUBLISHED AUGUST 18, 1925.

205,196. OPEN, CLOSED, AND EXPANDING FILES AND FILING FOLDERS AND WRAPPERS. HARRY A. STERN, New York, N. Y., assignor to Alvah Bushnell Company, Philadelphia, Pa., a Corporation of New Jersey.
Filed June 4, 1925. Serial No. 215,318. PUBLISHED AUGUST 11, 1925.

205,197. CARBURETORS, MANIFOLDS, AND CARBURETOR SYSTEMS. THE SWAN CARBURETOR COMPANY, Cleveland, Ohio.
Filed June 4, 1925. Serial No. 215,321. PUBLISHED AUGUST 18, 1925.

205,198. PURE AND ARTIFICIAL SILK FABRICS IN THE PIECE. THE HEMINWAY SILK CO., Watertown, Conn.
Filed June 6, 1925. Serial No. 215,409. PUBLISHED AUGUST 18, 1925.

205,199. PREPARATION FOR THE TREATMENT OF WHOOPING COUGH, CHEST COLDS, CROUP, PNEUMONIA, CATARRH, SORE THROAT, HEAD COLDS, INFLUENZA, BRONCHITIS, BOILS, BRUISES, BITES, AND STINGS. CHARLES D. JORDAN, Monticello, Ga.
Filed June 8, 1925. Serial No. 215,466. PUBLISHED AUGUST 11, 1925.

205,200. COUGH BALSAM. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn.
Filed June 8, 1925. Serial No. 215,488. PUBLISHED AUGUST 11, 1925.

205,201. PROPHYLACTIC MEMBRANOUS ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. LOUIS HILSENBECK, New York, N. Y.
Filed June 9, 1925. Serial No. 215,513. PUBLISHED AUGUST 18, 1925.

205,202. OVERALLS, COATS, PANTS, AND COMBINATION SUITS. ELIN AND GOLUB, Chicago, Ill., and Albion, Ind.
Filed August 6, 1924. Serial No. 201,026. PUBLISHED AUGUST 18, 1925.

205,203. WOOLEN, COTTON, AND WOOLEN-AND-COTTON PIECE GOODS. ATLANTIC MILLS, Providence, R. I.
Filed July 28, 1924. Serial No. 200,601. PUBLISHED AUGUST 18, 1925.

205,204. SKIN TONIC IN THE FORM OF A POWDER TO BE DISSOLVED IN WATER AND USED AS A LOTION. JOSEPH BRUECK, doing business as Ola Specialty Co., New York, N. Y.
Filed July 17, 1924. Serial No. 200,133. PUBLISHED AUGUST 11, 1925.

205,205. FLOWER BULBS. CLAUDE W. KRESS, doing business as Buckfield Plantation, Yemassee, S. C.
Filed July 1, 1924. Serial No. 199,428. PUBLISHED AUGUST 18, 1925.

205,206. CERTAIN MEDICINAL PREPARATIONS. JACOB SILVERMAN, doing business as Alvo Remedy Company, Milwaukee, Wis.
Filed June 12, 1924. Serial No. 198,480. PUBLISHED AUGUST 11, 1925.

205,207. WELDING AND METAL-CUTTING EQUIPMENT—NAMELY, WELDING TORCHES, CUTTING TORCHES, GAS VALVES, OR REGULATORS FOR CONTROLLING THE FLOW OF GAS TO THE TORCHES. RHODE ISLAND WELDING CO., Providence, R. I.
Filed June 11, 1924. Serial No. 198,424. PUBLISHED AUGUST 18, 1925.



205,208. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,376. PUBLISHED AUGUST 11, 1925.

205,209. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,375. PUBLISHED AUGUST 11, 1925.

205,210. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed June 10, 1924. Serial No. 198,374. PUBLISHED AUGUST 11, 1925.

205,211. COTTON PIECE GOODS. MOORESVILLE COTTON MILLS, Mooresville, N. C.
Filed February 4, 1925. Serial No. 209,097. PUBLISHED AUGUST 18, 1925.

205,212. COTTON PIECE GOODS. MOORESVILLE COTTON MILLS, Mooresville, N. C.
Filed February 4, 1925. Serial No. 209,096. PUBLISHED AUGUST 18, 1925.

205,213. THREAD. GOLDIN BROS., INC., New York, N. Y.
Filed January 24, 1925. Serial No. 208,588. PUBLISHED AUGUST 18, 1925.

205,214. CERTAIN TOILET PREPARATIONS. JOSEPH VAN PRAAGH, London, England.
Filed January 23, 1925. Serial No. 208,541. PUBLISHED AUGUST 11, 1925.

205,215. WEIGHING MACHINERY. HENRY POOLEY & SON, LIMITED, Birmingham, England.
Filed January 17, 1925. Serial No. 208,257. PUBLISHED AUGUST 18, 1925.

205,216. PAPER COVERS FOR TOILET SEATS. BLANCHE L. HEBBNER, Longmeadow, Mass.
Filed January 17, 1925. Serial No. 208,241. PUBLISHED AUGUST 4, 1925.

205,217. WEIGHING MACHINES. W. & T. AVERY, LIMITED, Birmingham, England.
Filed January 17, 1925. Serial No. 208,218. PUBLISHED AUGUST 18, 1925.

205,218. LINIMENT. WILLIAM JAMES LAFAYETTE CARTER, Georgetown, S. C.
Filed January 3, 1925. Serial No. 207,614. PUBLISHED AUGUST 11, 1925.

205,219. VIOLIN STRINGS. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y.
Filed December 31, 1924. Serial No. 207,525. PUBLISHED AUGUST 25, 1925.

205,220. BANJO HEADS AND DRUMHEADS. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y.
Filed December 31, 1924. Serial No. 207,524. PUBLISHED AUGUST 25, 1925.

205,221. ACCORDIONS, BLOW ACCORDIONS, AND MOUTH HARMONICAS. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y.
Filed December 31, 1924. Serial No. 207,523. PUBLISHED AUGUST 25, 1925.

205,222. GUITARS AND MANDOLINS. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y.
Filed December 31, 1924. Serial No. 207,518. PUBLISHED AUGUST 25, 1925.

205,223. GUITARS AND MANDOLINS. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y.
Filed December 31, 1924. Serial No. 207,517. PUBLISHED AUGUST 25, 1925.

205,224. GASOLINE. LUTHER E. GIBSON, Clarksburg, W. Va.
Filed December 3, 1924. Serial No. 206,165. PUBLISHED AUGUST 18, 1925.

205,225. ARTICLE OF FURNITURE IN THE NATURE OF DAVENPORT. THE TROY SUNSHADE CO., Troy, Ohio.
Filed November 24, 1924. Serial No. 205,799. PUBLISHED AUGUST 18, 1925.

205,226. WOOLEN PIECE GOODS. CO-OPERATIVE WHOLESALE SOCIETY, LIMITED, Manchester, England.
Filed November 18, 1924. Serial No. 205,474. PUBLISHED AUGUST 18, 1925.

205,227. COTTON PIECE GOODS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed October 31, 1924. Serial No. 204,681. PUBLISHED AUGUST 18, 1925.

205,228. FRESH EGGS AND LIVE AND DRESSED POULTRY. CHRISTIAN R. HOLMES, Montecito, Santa Barbara, Calif.
Filed October 7, 1924. Serial No. 203,521. PUBLISHED AUGUST 18, 1925.

205,229. PREPARED CHOCOLATE FOOD CONSISTING OF A DRY OR SIRUP PREPARATION OF MILK, SUGAR, AND CHOCOLATE. THE PURE FOOD LABORATORIES CO., Delaware, Ohio.
Filed October 4, 1924. Serial No. 203,437. PUBLISHED AUGUST 18, 1925.

205,230. CANDLE HOLDERS. DE NICOLA & VALENTI, New York, N. Y.
Filed August 12, 1924. Serial No. 201,289. PUBLISHED AUGUST 11, 1925.

205,231. BALATA BELTING FOR CONVEYER AND TRANSMISSION PURPOSES AND BALATA, RUBBER, AND FABRIC VALVES. H. ROST & CO., Hamburg, Germany.
Filed March 18, 1925. Serial No. 211,227. PUBLISHED AUGUST 18, 1925.

205,232. LINEN FIRE HOSE. FENWICK-REDDAWAY MANUFACTURING COMPANY, Newark, N. J.
Filed March 17, 1925. Serial No. 211,160. PUBLISHED AUGUST 18, 1925.

205,233. MINING MACHINERY—NAMELY, COAL CUTTERS AND LOADING MACHINES AND PARTS THEREOF. GOODMAN MANUFACTURING COMPANY, Chicago, Ill.
Filed March 16, 1925. Serial No. 211,093. PUBLISHED AUGUST 18, 1925.

205,234. PRINTED ADVERTISING AND OTHER MATTER PREPARED FOR AND SOLD TO OTHERS, THE PARTICULAR MATTER BEING SUCH AS CIRCULARS, CATALOGUES, MENUS, AND THE LIKE. SIGNATURE ODDVERTISING SERVICE, New Castle, Pa.
Filed March 14, 1925. Serial No. 211,058. PUBLISHED AUGUST 18, 1925.

205,235. MONTHLY MAGAZINE. OHIO FEDERATION OF WOMEN'S CLUBS, Cleveland, Ohio.
Filed March 9, 1925. Serial No. 210,745. PUBLISHED MAY 26, 1925.

205,236. MAILING ENVELOPES, LETTERHEADS, AND CORRESPONDENCE CARDS. SILVERTONE STATIONERY COMPANY, Miamisburg, Ohio.
Filed March 5, 1925. Serial No. 210,579. PUBLISHED AUGUST 11, 1925.

205,237. SHOWER-BATH CURTAINS. PROTEXWEL CORPORATION, Chicago, Ill.
Filed March 2, 1925. Serial No. 210,404. PUBLISHED AUGUST 18, 1925.

205,238. DYES. MONROE DRUG COMPANY, Quincy, Ill.
Filed Feb. 27, 1925. Serial No. 210,249. PUBLISHED JULY 21, 1925.

205,239. TAGS. HERMAN LISSNER, New York, N. Y.
Filed February 26, 1925. Serial No. 210,176. PUBLISHED AUGUST 18, 1925.

205,240. RADIO SETS ADAPTED FOR COMBINATION WITH PHONOGRAPHS, RADIO RECEIVING SETS, LOUD SPEAKERS, TRANSFORMERS, RECTIFIERS, AND HEAD RECEIVING SETS. LYTTON, INC., assignor to Walter Lytton, of Chicago, Ill. Chicago, Ill.
Filed February 21, 1925. Serial No. 209,999. PUBLISHED MAY 26, 1925.

205,241. PRINTING AND WRITING PAPER COMMONLY EMPLOYED FOR PRINTING AND WRITING PURPOSES. GRAHAM PAPER COMPANY, St. Louis, Mo.
Filed February 16, 1925. Serial No. 209,654. PUBLISHED AUGUST 4, 1925.

205,242. VIOLET-RAY APPARATUS. EASTERN LABORATORIES, INC., New York, N. Y.
Filed June 19, 1925. Serial No. 216,029. PUBLISHED AUGUST 18, 1925.

205,243. VIOLET-RAY APPARATUS. EASTERN LABORATORIES, INC., New York, N. Y.
Filed June 19, 1925. Serial No. 216,030. PUBLISHED AUGUST 18, 1925.

205,244. ALUMINUM AND IRON COOKING UTENSILS. THE GRISWOLD MANUFACTURING COMPANY, Erie, Pa.
Filed June 19, 1925. Serial No. 216,040. PUBLISHED AUGUST 18, 1925.

205,245. GOLF BALLS. MAY & MALONE, Chicago, Ill.
Filed June 19, 1925. Serial No. 216,060. PUBLISHED AUGUST 18, 1925.

205,246. FISHING LINES. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass.
Filed June 19, 1925. Serial No. 216,075. PUBLISHED AUGUST 18, 1925.

205,247. FISHING LINES. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass.
Filed June 19, 1925. Serial No. 216,076. PUBLISHED AUGUST 18, 1925.

205,248. FISHING LINES. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass.
Filed June 19, 1925. Serial No. 216,077. PUBLISHED AUGUST 18, 1925.

205,249. RAZORS. ALEXIS WITTE CUTLERY CO., Brooklyn, N. Y.
Filed June 19, 1925. Serial No. 216,083. PUBLISHED AUGUST 18, 1925.

205,250. PREPARATION FOR THE TREATMENT OF ASTHMA. JOHN K. BRATER, New York, N. Y.
Filed June 20, 1925. Serial No. 216,086. PUBLISHED AUGUST 11, 1925.

205,251. PINEAPPLE SPECIALTY DRINK, A NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK, CONCENTRATE, EXTRACT, AND SIRUP FOR MAKING THE SAME. JULIETTE L. PHILIPPEAU, New York, N. Y.
Filed June 20, 1925. Serial No. 216,116. PUBLISHED AUGUST 18, 1925.

205,252. LUMBER AND LUMBER PRODUCTS. BEAVER LUMBER COMPANY, Portland, Oreg.
Filed June 22, 1925. Serial No. 216,136. PUBLISHED AUGUST 18, 1925.

205,253. PREPARATIONS FOR SCENTING PERFUMES AND THE LIKE. M. NAEF & CO., Geneva, Switzerland.
Filed June 22, 1925. Serial No. 216,201. PUBLISHED AUGUST 4, 1925.

205,254. PREPARATIONS FOR SCENTING PERFUMES AND THE LIKE. M. NAEF & CO., Geneva, Switzerland.
Filed June 22, 1925. Serial No. 216,202. PUBLISHED AUGUST 4, 1925.

205,255. PREPARATIONS FOR SCENTING PERFUMES AND THE LIKE. M. NAEF & CO., Geneva, Switzerland.
Filed June 22, 1925. Serial No. 216,203. PUBLISHED AUGUST 4, 1925.

205,256. FOOD SIRUPS. WALTER BLAIR RODDENBERY, Cairo, Ga.
Filed June 22, 1925. Serial No. 216,223. PUBLISHED AUGUST 18, 1925.

205,257. INSECTICIDES. TALBOT MANUFACTURING CO., Los Angeles, Calif.
Filed June 22, 1925. Serial No. 216,235. PUBLISHED AUGUST 4, 1925.

205,258. NEWSPAPER PUBLISHED DAILY. WORCESTER POST COMPANY, Worcester, Mass.
Filed June 22, 1925. Serial No. 216,248. PUBLISHED AUGUST 18, 1925.

205,259. WOOD PULP. WM. HARTMANN & CO., INC., New York, N. Y.
Filed June 23, 1925. Serial No. 216,268. PUBLISHED AUGUST 18, 1925.

205,260. MEDICINAL COMPOUNDS SUITABLE FOR THE TREATMENT OF CORNS, COLDS, FEVERS, STOMACH TROUBLES, HEADACHE, EYES, NOSE, THROAT, RHEUMATISM, NEURITIS, AND NEURALGIA. MARX S. NEIMAN, New York, N. Y.
Filed June 23, 1925. Serial No. 216,281. PUBLISHED AUGUST 4, 1925.

205,261. REGULATING TONIC AND DETOXICANT. OCEANO PRODUCTS COMPANY, Newark, N. J.
Filed June 24, 1925. Serial No. 216,353. PUBLISHED AUGUST 18, 1925.

205,262. PRODUCT FOR WEIGHTING AND ADDING BODY TO SILK. ONYX OIL & CHEMICAL CO., Jersey City, N. J.
Filed June 24, 1925. Serial No. 216,355. PUBLISHED AUGUST 4, 1925.

205,263. WAX AND CHALK CRAYONS. STANDARD CRAYON MANUFACTURING CO., Danvers, Mass.
Filed June 24, 1925. Serial No. 216,365. PUBLISHED AUGUST 4, 1925.

205,264. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. PAN AMERICAN PRODUCTS CORPORATION, Wenonah, N. J.
Filed June 25, 1925. Serial No. 216,427. PUBLISHED AUGUST 18, 1925.

205,265. PAPER NAPKINS AND TOILET PAPER. SERVICE GROCER COMPANY, INC., Detroit, Mich.
Filed June 26, 1925. Serial No. 216,480. PUBLISHED AUGUST 4, 1925.

205,266. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, EXTRACTS AND SIRUPS FOR MAKING THE SAME. WHITTLE & MUTCH, INC., Philadelphia, Pa.
Filed June 26, 1925. Serial No. 216,491. PUBLISHED AUGUST 18, 1925.

205,267. GRAPE JUICE. HENRY CARD, doing business as Merry Maid Products Co., Fredonia, N. Y.
Filed June 27, 1925. Serial No. 216,503. PUBLISHED AUGUST 18, 1925.

205,268. COMBINATION OF PAPER TOWELS AND NAPKINS. SAUQUOIT PAPER CO., INC., Utica, N. Y.
Filed June 27, 1925. Serial No. 216,562. PUBLISHED AUGUST 4, 1925.

205,269. UKULELES, BANJOS, MANDOLINS, GUITARS, AND BANJO UKULELES. C. BRUNO & SON, INC., New York, N. Y.
Filed June 29, 1925. Serial No. 216,584. PUBLISHED AUGUST 18, 1925.

205,270. UKULELES, BANJOS, MANDOLINS, GUITARS, AND BANJO UKULELES. C. BRUNO & SON, INC., New York, N. Y.
Filed June 29, 1925. Serial No. 216,585. PUBLISHED AUGUST 18, 1925.

205,271. UKULELES, BANJOS, MANDOLINS, GUITARS, AND BANJO UKULELES. C. BRUNO & SON, INC., New York, N. Y.
Filed June 29, 1925. Serial No. 216,586. PUBLISHED AUG. 18, 1925.

205,272. COTTON PIECE GOODS. F. U. STEARNS & COMPANY, New York, N. Y.
Filed July 1, 1925. Serial No. 216,748. PUBLISHED AUGUST 18, 1925.



205,273. SHEETS AND PILLOWCASES. JORDAN MARSH COMPANY, Boston, Mass.
Filed July 2, 1925. Serial No. 216,785. PUBLISHED AUGUST 18, 1925.

205,274. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. AUSTIN BOTTLING WORKS, Austin, Minn.
Filed July 3, 1925. Serial No. 216,812. PUBLISHED AUGUST 18, 1925.

205,275. BRUSH BACKS AND HANDLES. BAKELITE CORPORATION, New York, N. Y.
Filed July 3, 1925. Serial No. 216,819. PUBLISHED AUGUST 18, 1925.

205,276. TOOTHBRUSHES. NEW YORK MERCHANDISE COMPANY, New York, N. Y.
Filed July 6, 1925. Serial No. 216,926. PUBLISHED AUGUST 18, 1925.

205,277. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS. STANDARD BOTTLING COMPANY, Denver, Colo.
Filed July 6, 1925. Serial No. 216,947. PUBLISHED AUGUST 18, 1925.

205,278. PAINT AND VARNISH BRUSHES MADE FROM BRISTLES. THE BIGELOW BRUSH COMPANY, Baltimore, Md.
Filed July 8, 1925. Serial No. 217,005. PUBLISHED AUGUST 18, 1925.

205,279. CANNED FRUITS — NAMELY, CANNED PEACHES AND CANNED APRICOTS. W. CRAIG CANNING COMPANY, Ogden, Utah.
Filed July 8, 1925. Serial No. 217,011. PUBLISHED AUGUST 18, 1925.

205,280. FLOOR MOPS. THE BLAKESLEY NOVELTY COMPANY, Bristol, Conn.
Filed July 9, 1925. Serial No. 217,066. PUBLISHED AUGUST 18, 1925.

205,281. KNITTED SILK AND WOOL FABRICS. WILLIAM HELLER, New York, N. Y.
Filed July 9, 1925. Serial No. 217,097. PUBLISHED AUGUST 18, 1925.

205,282. BREAD. JOHN TENNISON, Brooklyn, N. Y.
Filed May 5, 1925. Serial No. 213,866. PUBLISHED AUGUST 18, 1925.

205,283. LOUD SPEAKERS, HEAD SETS, RADIO RECEIVING SETS, TRANSFORMERS, AND CONDENSERS. TOWER MANUFACTURING CORPORATION, Boston, Mass.
Filed May 9, 1925. Serial No. 214,104. PUBLISHED AUGUST 4, 1925.

205,284. LOUD SPEAKERS, HEAD SETS, RADIO RECEIVING SETS, TRANSFORMERS, AND CONDENSERS. TOWER MANUFACTURING CORPORATION, Boston, Mass.
Filed May 9, 1925. Serial No. 214,105. PUBLISHED AUGUST 4, 1925.

205,285. HOSIERY. CHARLES BRAND, doing business as Rosenberg & Brand, New York, N. Y.
Filed May 16, 1925. Serial No. 214,396. PUBLISHED JULY 28, 1925.

205,286. MATTRESSES. ELECTRIC CITY MATTRESS WORKS, INC., Schenectady, N. Y.
Filed May 20, 1925. Serial No. 214,592. PUBLISHED AUGUST 18, 1925.

205,287. MOUTH HARMONICAS AND ACCORDIONS. M. HOHNER, INC., New York, N. Y.
Filed May 20, 1925. Serial No. 214,598. PUBLISHED AUGUST 11, 1925.

205,288. NONALCOHOLIC, MALTLESS SIRUP FOR SOFT DRINKS. JOSEPH ANGELO, Elgin, Ill.
Filed May 25, 1925. Serial No. 214,838. PUBLISHED AUGUST 25, 1925.

205,289. TIME-LIMIT MECHANISMS AND AUTOMATIC CIRCUIT BREAKERS EQUIPPED WITH TIME-LIMIT MECHANISMS. THE CUTTER ELECTRICAL AND MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 25, 1925. Serial No. 214,856. PUBLISHED AUGUST 4, 1925.

205,290. ELECTRICAL TRAFFIC SIGNALS AND FOR TERMINAL CONNECTORS FOR ELECTRICAL PURPOSES. WINOOSKI ELECTRIC MANUFACTURING COMPANY, INC., Winooski, Vt.
Filed June 2, 1925. Serial No. 215,224. PUBLISHED AUGUST 4, 1925.

205,291. RADIO RECEIVING SETS AND PARTS THEREOF. ADVANCE AUTOMOBILE ACCESSORIES CORP., Chicago, Ill.
Filed June 3, 1925. Serial No. 215, 229. PUBLISHED AUGUST 4, 1925.

205,292. NONMETALLIC FLEXIBLE CONDUIT. MIDDLESEX MANUFACTURING COMPANY, Catskill, N. Y.
Filed June 5, 1925. Serial No. 215,378. PUBLISHED AUGUST 4, 1925.

205,293. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. THOMAS B. KANE, doing business as Philadelphia Bottling Company, Philadelphia, Pa.
Filed June 6, 1925. Serial No. 215,411. PUBLISHED AUGUST 25, 1925.

205,294. TOOTHBRUSHES. IRVING H. WINTER, Brooklyn, N. Y.
Filed June 8, 1925. Serial No. 215,495. PUBLISHED AUGUST 25, 1925.

205,295. AERIAL MASTS. IRVING B. EPPENSTEIN, doing business as Kedmont Manufacturing Co. Not Inc., Elgin, Ill., assignor to Adolphe F. Van Wolf, Chicago, Ill.
Filed June 12, 1925. Serial No. 215,684. PUBLISHED AUGUST 4, 1925.

205,296. SPARK PLUGS. CHARLES A. SCHREIBER, Brunswick, Ind.
Filed June 13, 1925. Serial No. 215,757. PUBLISHED AUGUST 4, 1925.

205,297. COMBINED GRID LEAK AND GRID CONDENSER. DAVEN RADIO CORPORATION, Newark, N. J.
Filed June 17, 1925. Serial No. 215,895. PUBLISHED AUGUST 4, 1925.

205,298. BUTTER. THE CLOVERDALE COMPANY, Cambridge, Mass.
Filed June 23, 1925. Serial No. 216,257. PUBLISHED AUGUST 18, 1925.

205,299. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD CO., New York, N. Y.
Filed June 24, 1925. Serial No. 216,340. PUBLISHED AUGUST 25, 1925.

205,300. SILK AND COTTON GOODS IN THE PIECE. WM. SIMPSON, SONS & CO., Philadelphia, Pa.
Filed June 26, 1925. Serial No. 216,484. PUBLISHED AUGUST 25, 1925.

205,301. SILK AND COTTON GOODS IN THE PIECE. WM. SIMPSON, SONS & CO., Philadelphia, Pa.
Filed June 26, 1925. Serial No. 216,485. PUBLISHED AUGUST 25, 1925.

205,302. FIBER ONION BAGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 27, 1925. Serial No. 216,525. PUBLISHED AUGUST 25, 1925.

205,303. PUZZLE BLOCKS. JOHN NIEBODKA, Chicago, Ill.
Filed July 9, 1925. Serial No. 217,108. PUBLISHED AUGUST 25, 1925.

205,304. FISHING LINES. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield Mass.
Filed July 9, 1925. Serial No. 217,118. PUBLISHED AUGUST 25, 1925.

205,305. RAZORS. CURVFIT RAZOR COMPANY, INC., New York, N. Y.
Filed June 10, 1925. Serial No. 215,553. PUBLISHED AUGUST 18, 1925.

205,306. GOLF BALLS. DAVEGA, INC., New York, N. Y.
Filed June 10, 1925. Serial No. 215,555. PUBLISHED AUGUST 18, 1925.

205,307. MAGAZINES OR PERIODICALS (ISSUED MONTHLY). SERVICE BULLETIN, INC., New York, N. Y.
Filed June 10, 1925. Serial No. 215,596. PUBLISHED AUGUST 11, 1925.

205,308. PETROLEUM OILS AND GREASES FOR LUBRICATING PURPOSES. KENTUCKY CONSUMERS OIL CO., Louisville, Ky.
Filed June 11, 1925. Serial No. 215,633. PUBLISHED AUGUST 18, 1925.

205,309. HANDLES FOR SHOVELS. KEYSTONE HANDLE COMPANY, Union Furnace, Pa.
Filed June 11, 1925. Serial No. 215,634. PUBLISHED AUGUST 18, 1925.

205,310. ANTISEPTIC SURGICAL DRESSING. NATIONAL SAFETY FIRST AID KIT CO., INC., New York, N. Y.
Filed June 11, 1925. Serial No. 215,647. PUBLISHED AUGUST 4, 1925.

205,311. PORTLAND CEMENT. SAN ANTONIO PORTLAND CEMENT CO., San Antonio, Tex.
Filed June 13, 1925. Serial No. 215,756. PUBLISHED AUGUST 11, 1925.

205,312. APPARATUS FOR MEASURING DISTANCES BY REFLECTED SOUND WAVES OR BY SIMILAR ACOUSTIC METHODS, AND PARTICULARLY FOR APPARATUS FOR DETERMINING DEPTHS OF WATER AND SOUNDINGS. SUBMARINE SIGNAL CORPORATION, Wilmington, Del., and Boston, Mass.
Filed June 15, 1925. Serial No. 215,833. PUBLISHED AUGUST 18, 1925.

205,313. POWDERED SKIMMED MILK. MERRELL-SOULE COMPANY, Syracuse, N. Y.
Filed June 16, 1925. Serial No. 215,860. PUBLISHED AUGUST 18, 1925.

205,314. GAS HEATING AND COOKING STOVES. ODIN STOVE MANUFACTURING COMPANY, Erie Pa.
Filed June 16, 1925. Serial No. 215,873. PUBLISHED AUGUST 11, 1925.

205,315. GAS HEATING AND COOKING STOVES. ODIN STOVE MANUFACTURING COMPANY, Erie, Pa.
Filed June 16, 1925. Serial No. 215,874. PUBLISHED AUGUST 11, 1925.

205,316. PENCIL SHARPENERS. THE HAYES-MESEROLE MANUFACTURING CO., INC., Milford, Conn.
Filed June 17, 1925. Serial No. 215,915. PUBLISHED AUGUST 11, 1925.

205,317. BASEBALL BATS. HILLERICH & BRADSBY CO., Louisville, Ky.
Filed June 17, 1925. Serial No. 215,919. PUBLISHED AUGUST 18, 1925.

205,318. BASEBALL BATS. HILLERICH & BRADSBY CO., Louisville, Ky.
Filed June 17, 1925. Serial No. 215,920. PUBLISHED AUGUST 18, 1925.

205,319. BASEBALL BATS. HILLERICH & BRADSBY CO., Louisville, Ky.
Filed June 17, 1925. Serial No. 215,928. PUBLISHED AUGUST 18, 1925.

205,320. APPARATUS FOR THE TREATMENT OF SOLIDS SUSPENDED IN LIQUIDS—NAMELY, AGITATORS, SEWAGE CLARIFIERS, WATER CLARIFIERS, CANE-JUICE CLARIFIERS, CLASSIFIERS, BOWL CLASSIFIERS, THICKENERS, TRAY THICKENERS, WASHERS, ROTARY CONVEYERS, SAVE-ALLS, SLURRY MIXERS, AND CORD DIAPHRAGMS FOR PUMPS. THE DORR COMPANY, New York, N. Y.
Filed June 18, 1925. Serial No. 215,970. PUBLISHED AUGUST 18, 1925.

205,321. LUBRICATING OIL MADE FROM PENNSYLVANIA OIL, AND GASOLINE. PRIME-MILLER PETROLEUM COMPANY, Oklahoma City, Okla.
Filed June 18, 1925. Serial No. 215,994. PUBLISHED AUGUST 11, 1925.

205,322. CAST-IRON CULVERT PIPE. ALABAMA PIPE COMPANY, Anniston, Ala.
Filed June 19, 1925. Serial No. 216,007. PUBLISHED AUGUST 18, 1925.

205,323. CORK-BOARD INSULATION. ARMSTRONG CORK AND INSULATION COMPANY, Pittsburgh, Pa.
Filed June 19, 1925. Serial No. 216,008. PUBLISHED AUGUST 18, 1925.

205,324. STATIONERY AND CHECK DISPENSING MACHINES AND ADVERTISING AND HOSIERY INSPECTION MACHINES. BAR-TREX MANUFACTURING CO., INC., Birmingham, Ala.
Filed June 19, 1925. Serial No. 216,009. PUBLISHED AUGUST 18, 1925.

205,325. KITCHEN BRUSHES—NAMELY, VEGETABLE BRUSHES, SINK BRUSHES, SCOURING BRUSHES, AND GRIDDLE GREASERS. THE A. & J. MANUFACTURING CO., Binghamton, N. Y.
Filed April 29, 1925. Serial No. 213,472. PUBLISHED AUGUST 25, 1925.

205,326. KITCHEN BRUSHES—NAMELY, VEGETABLE BRUSHES, SINK BRUSHES, SCOURING BRUSHES, AND GRIDDLE GREASERS. THE A. & J. MANUFACTURING CO., Binghamton, N. Y.
Filed April 29, 1925. Serial No. 213,471. PUBLISHED AUGUST 25, 1925.

205,327. WHEAT FLOUR. WASHBURN CROSBY COMPANY, Minneapolis, Minn.
Filed April 28, 1925. Serial No. 213,467. PUBLISHED AUGUST 18, 1925.

205,328. PHONOGRAPHS. JAMES K. POLK INC., Atlanta, Ga.
Filed April 22, 1925. Serial No. 213,143. PUBLISHED AUGUST 11, 1925.

205,329. ANTISEPTIC WASHING LIQUID. H. KOHNSTAMM & CO., INC., New York, N. Y.
Filed April 22, 1925. Serial No. 213,138. PUBLISHED AUGUST 11, 1925.

205,330. YOUNG GIRLS', MISSES', AND LADIES' DANCE FROCKS, YOUTHFUL DRESSES, GRADUATION DRESSES, BRIDAL GOWNS, LADIES' AND YOUNG GIRLS' SUITS, COATS, BLOUSES, NEGLIGEES, AND AFTERNOON AND EVENING WRAPS. KIVIETTE, INC., New York, N. Y.
Filed April 18, 1925. Serial No. 212,931. PUBLISHED AUGUST 18, 1925.

205,331. CERTAIN NAMED RADIO SUPPLIES. S. O. S. RADIO CORPORATION, Paterson, N. J.
Filed April 6, 1925. Serial No. 212,301. PUBLISHED AUGUST 11, 1925.

205,332. RADIO RECEIVING SETS. HARRY FRANKLIN FELCH, Melrose, Mass.
Filed April 3, 1925. Serial No. 212,130. PUBLISHED AUGUST 11, 1925.

205,333. MATTRESSES. SEALY MATTRESS COMPANY OF SUGAR LAND, TEXAS, Sugar Land, Tex.
Filed March 28, 1925. Serial No. 211,805. PUBLISHED AUGUST 18, 1925.

205,334. CERTAIN NAMED RADIO SUPPLIES. GAROD CORPORATION, Newark, N. J.
Filed February 14, 1925. Serial No. 209,571. PUBLISHED AUGUST 11, 1925.

205,335. VIOLIN STRINGS. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y.
Filed December 31, 1924. Serial No. 207,522. PUBLISHED AUGUST 25, 1925.

205,336. MAGNETIC ACTUATORS FOR SOUND REPRODUCERS. THE TEAGLE COMPANY, Cleveland, Ohio.
Filed December 6, 1924. Serial No. 206,382. PUBLISHED AUGUST 4, 1925.



205,337. PEARLS AND PEARL NECKLACES. WILLIAM L. COQUE, Colman, S. Dak.
Filed October 7, 1924. Serial No. 203,514. PUBLISHED AUGUST 11, 1925.

205,338. WHEAT FLOUR AND OTHER MILL PRODUCTS—NAMELY, PANCAKE FLOURS, SELF-RISING FLOURS, CAKE FLOURS, WHOLE-WHEAT FLOURS, CEREALS FOR TABLE USE, PARTICULARLY GRITS. JAMES M. GRIM, doing business as J. M. Grim Milling Co., Quicksburg, Va.
Filed October 6, 1924. Serial No. 203,467. PUBLISHED AUGUST 18, 1925.

205,339. MANUAL-CONTROLLED SWITCH FOR THE LIGHTING CIRCUITS OF MOTOR-VEHICLE HEAD LAMPS. THE KUR-TE-CEE SWITCH MFG. CO., Columbus, Ohio.
Filed May 28, 1924. Serial No. 197,761. PUBLISHED AUGUST 11, 1925.

205,340. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. FRANCIS H. WITTSTEIN, Newark, N. J.
Filed May 3, 1924. Serial No. 196,562. PUBLISHED AUGUST 11, 1925.

205,341. CERTAIN NAMED ARTICLES OF JEWELRY AND TABLEWARE. ABRAHAM BUENSTINE, Washington, D. C.
Filed April 23, 1924. Serial No. 196,005. PUBLISHED AUGUST 18, 1925.

205,342. GAS STOVES AND RANGES. THE SUNRAY STOVE COMPANY, Delaware, Ohio.
Filed April 21, 1924. Serial No. 195,921. PUBLISHED JULY 8, 1924.

205,343. PHONOGRAPHS. THE WOLF MANUFACTURING INDUSTRIES, Quincy, Ill.
Filed February 15, 1924. Serial No. 192,348. PUBLISHED AUGUST 11, 1925.

205,344. LUBRICATING OILS, GREASES, AND COMPOUNDS. CASPAR LUBRICANTS, INC., New York, N. Y.
Filed January 9, 1924. Serial No. 190,575. PUBLISHED MAY 19, 1925.

205,345. MICA PLATES FOR INSULATIONS, MICA TAPES FOR INSULATIONS, MICA DISKS FOR FUSES, AND MICA FILMS FOR ELECTRICAL CONDENSERS. WILLIAM BRAND & CO., New York, N. Y.
Filed April 13, 1923. Serial No. 179,088. PUBLISHED AUGUST 11, 1925.

205,346. BILLIARD AND POCKET-BILLIARD BALLS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed July 9, 1925. Serial No. 217,068. PUBLISHED AUGUST 25, 1925.

205,347. FIRST-AID PACKETS. BAUER & BLACK, Chicago, Ill.
Filed July 9, 1925. Serial No. 217,064. PUBLISHED AUGUST 25, 1925.

205,348. RADIUM PLAQUES, OZONIZING APPARATUS, VIOLET-RAY GENERATORS, X-RAY SCREENS, MANICURE SETS, HANDLES OF DENTAL AND SURGICAL INSTRUMENTS, GRINDING WHEELS OF DENTAL INSTRUMENTS, TEETHING RINGS, AND ARTIFICIAL TEETH. BAKELITE CORPORATION, New York, N. Y.
Filed July 3, 1925. Serial No. 216,813. PUBLISHED AUGUST 25, 1925.

205,349. GOLF CLUBS. GREAT LAKES GOLF CORPORATION, Milwaukee, Wis.
Filed July 2, 1925. Serial No. 216,778. PUBLISHED AUGUST 25, 1925.

205,350. ENAMELED HOLLOW WARE—NAMELY, BUCKETS, DINNER CARRIERS, PAILS, SOAP BOXES, AND TOILET PAILS. AKTIEBOLAGET SEPARATOR, Stockholm, Sweden.
Filed June 30, 1925. Serial No. 216,662. PUBLISHED AUGUST 25, 1925.

205,351. CANDY. F. B. WASHBURN & COMPANY, Brockton, Mass.
Filed June 19, 1925. Serial No. 216,080. PUBLISHED AUGUST 25, 1925.

205,352. MALT AND HOP SIRUP. THE MALTOSE LABORATORIES, INC., New Orleans, La.
Filed June 17, 1925. Serial No. 215,937. PUBLISHED AUGUST 25, 1925.

205,353. CANDY. METRO CHOCOLATE CO. INC., Brooklyn, N. Y.
Filed June 16, 1925. Serial No. 215,869. PUBLISHED AUGUST 25, 1925.

205,354. NONALCOHOLIC, MALTLESS FRUIT-JUICE POWDER FOR MAKING SOFT DRINKS. MERRELL-SOULE COMPANY, Syracuse, N. Y.
Filed June 16, 1925. Serial No. 215,867. PUBLISHED AUGUST 25, 1925.

205,355. NONALCOHOLIC, MALTLESS FRUIT JUICES FOR MAKING SOFT DRINKS. THE RESINILLA CORPORATION, New York, N. Y.
Filed June 12, 1925. Serial No. 215,706. PUBLISHED AUGUST 25, 1925.

205,356. GINGER ALE. WHITE ROCK MINERAL SPRINGS COMPANY, Waukesha, Wis.
Filed June 11, 1925. Serial No. 215,670. PUBLISHED AUGUST 25, 1925.

205,357. EXTRACTS FOR BEER FLAVORING. PAUL E. FISCHER, doing business as Fischer Products Company, Milwaukee, Wis.
Filed June 11, 1925. Serial No. 215,625. PUBLISHED AUGUST 25, 1925.

205,358. APPLES AND POTATOES IN THEIR NATURAL STATE. THE DIMOCK ORCHARD SEED POTATO CORPORATION, Wells River, Vt.
Filed June 11, 1925. Serial No. 215,621. PUBLISHED AUGUST 25, 1925.

205,359. DRESSES. H. D. MERBLUM, St. Louis, Mo.
Filed May 28, 1925. Serial No. 215,016. PUBLISHED JULY 28, 1925.

205,360. CANNED FRUITS. CUTLER-LOBINGIER PACKING COMPANY, Ontario, Calif.
Filed May 22, 1925. Serial No. 214,717. PUBLISHED AUGUST 25, 1925.

205,361. BRONZE, ALUMINUM, BLACK, WHITE, AND COLORED PAPER STAMPING LEAF IN ROLL FORM TO BE USED ON THE HOT PRESS. RALPH W. GRAUERT, New York, N. Y.
Filed May 15, 1925. Serial No. 214,357. PUBLISHED AUGUST 4, 1925.

205,362. GAMES, AND IN PARTICULAR A BOARD GAME WITH A FRAME SUPPORTING A SWINGING BALL. PARKER BROTHERS, Portland, Me., and Salem, Mass.
Filed April 27, 1925. Serial No. 213,399. PUBLISHED AUGUST 25, 1925.

205,363. GAS, COAL, AND WOOD COOKING STOVES AND RANGES. BIRMINGHAM STOVE & RANGE CO., Birmingham, Ala.
Filed June 17, 1924. Serial No. 198,697. PUBLISHED JANUARY 6, 1925.

205,364. CERTAIN NAMED PIECE GOODS AND TEXTILE GOODS. SAMUEL HEAP & SON LIMITED, Rochdale, England.
Filed May 15, 1924. Serial No. 197,078. PUBLISHED AUGUST 25, 1925.

205,365. CANDY: CANDY-COATED NUTS—NAMELY, ALMONDS; CONFECTIONS COMPOSED OF NUT MEATS, CHOCOLATE, AND FONDANT. WILLIAM PRENTISS Jr., doing business as California Almond Confections Company, Long Beach, Calif.
Filed March 26, 1924. Serial No. 194,477. PUBLISHED AUGUST 25, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

205,366. (CLASS 37. PAPER AND STATIONERY.) REMIEN & KUHNERT CO., Chicago, Ill. Filed Sept. 8, 1925. Serial No. 219,763.

Remien Modern Art Wall Papers

*Particular description of goods.*—Wall Papers.
*Claims use* since Feb. 1, 1923.

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205,367. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LOUIS ROESSEL & CO. INC., Hazleton, Pa., and New York, N. Y. Filed Aug. 28, 1925. Serial No. 219,488.

ROESSEL

*Particular description of goods.*—Silk Goods in the Piece.
*Claims use* since May 11, 1921.

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205,368. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PERCY B. T. WILLIAMS, Philadelphia, Pa. Filed Apr. 8, 1925. Serial No. 212,415.

KLEENEST

*Particular description of goods.*—Toothbrushes.
*Claims use* since September, 1924.

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205,369. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EVELYN LAVANIA SEWELL, doing business as Mme. E. L. Sewell, Kansas City, Mo. Filed Nov. 1, 1924. Serial No. 204,726.

Mme. E. L. Sewell
NEW METHOD

*Particular description of goods.*—Hair Grower, Hairdressing, and Follicle Oil.
*Claims use* since July 8, 1924.

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205,370. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CREAM STORE, INC., Portland, Oreg. Filed Dec. 12, 1924. Serial No. 206,608.

Mexican Chews

*Particular description of goods.*—Candies.
*Claims use* since Apr. 1, 1910.



205,371. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) PROGRESSIVE LEATHER GOODS CO., New York, N. Y. Filed Sept. 13, 1924. Serial No. 202,600.

"Prophylactic"

*Particular description of goods.*—Traveling Kits.
*Claims use* since Sept. 10, 1924.

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205,372. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE C. G. BLAKE COMPANY, INC., Cincinnati, Ohio. Filed Aug. 31, 1925. Serial No. 219,573.

PENDENNIS SPLINT

*Particular description of goods.*—Coal.
*Claims use* since 1915.

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205,373. (CLASS 25. LOCKS AND SAFES.) THE SCHLAGE COMPANY, San Francisco, Calif. Filed Aug. 27, 1925. Serial No. 219,454.

SCHLAGE

*Particular description of goods.*—Lock Sets.
*Claims use* since Jan. 1, 1924.

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205,374. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE C. G. BLAKE COMPANY, INC., Cincinnati, Ohio. Filed Aug. 31, 1925. Serial No. 219,571.

CHAMPION
FIRE CREEK

*Particular description of goods.*—Coal.
*Claims use* since 1890.

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205,375. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PATRICK GOODMAN, doing business as Safety Gas Main Stopper Co., Brooklyn, N. Y. Filed Aug. 15, 1925. Serial No. 218,914.

THE
GOODMAN STOPPER

*Particular description of goods.*—Gas-Main Stoppers.
*Claims use* since about December, 1897.



205,376. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. L. BOYDEN, doing business as A. L. Boyden Co., Los Angeles, Calif. Filed Aug. 12, 1925. Serial No. 218,729.

BOYDEN'S

the A L Boyden Co.

*Particular description of goods.*—Honey, and Fruits Preserved with Honey.
*Claims use* since May 10, 1924.

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205,377. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AUGUST K. ZINN, doing business as A. K. Zinn & Company, Battle Creek, Mich. Filed Aug. 1, 1925. Serial No. 218,279.

MICHIGAN STATE RATION No 3 24% PROTEIN

*Particular description of goods.*—Stock Foods.
*Claims use* since Sept. 12, 1924.

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205,378. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CHARLES BOND COMPANY, Philadelphia, Pa. Filed May 9, 1925. Serial No. 214,056.

ROYAL

*Particular description of goods.*—Calfskins and Sheepskins.
*Claims use* since February, 1923.

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205,379. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HARRIE C. PAIGE, Omaha, Nebr. Filed Apr. 20, 1925. Serial No. 213,037.

QUICKCHECK

*Particular description of goods.*—Certain Accounting Devices.
*Claims use* since Jan. 15, 1924.

205,380. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRED C. KAISER, Brooklyn, N. Y. Filed Feb. 7, 1925. Serial No. 209,219.

*Particular description of goods.*—Roller Dressing for Use on Printing Rollers.
*Claims use* since Sept. 15, 1924.

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205,381. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOCIETE L'ALIMENT ESSENTIEL, Nanterre (Seine), France. Filed Nov. 3, 1924. Serial No. 204,795.

Heudebert

*Particular description of goods.*—Prepared Foods for Infants and Invalids.
*Claims use* since May, 1906.

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205,382. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BROOKMAN MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 24, 1924. Serial No. 204,347.

*Particular description of goods.*—Washing Compounds.
*Claims use* since Sept. 25, 1924.

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205,383. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) SAMUEL GORDON, New York, N. Y. Filed Oct. 4, 1924. Serial No. 203,412.

SWARTHMORE

*Particular description of goods.*—Pipes, Cigar and Cigarette Holders, Pouch Tobacco Bags, Humidors, and Cigar and Cigarette Cases.
*Claims use* since July 10, 1924.

205,384. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NESSER & COMPANY, Chicago, Ill. Filed Oct. 4, 1923. Serial No. 186,565.

Nesser

*Particular description of goods.*—Golf Bags.
*Claims use* since July 10, 1923.

205,385. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL INSTRUMENT CORPORATION, New York, N. Y. Filed July 7, 1924. Serial No. 199,685.

NOLOSS

*Particular description of goods.*—Electron-Tube Sockets, Condensers, and Inductance Coils.
*Claims use* since June 18, 1924.

205,386. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WAVERLY MUSICAL PRODUCTS CO., INC., New York, N. Y. Filed Aug. 6, 1924. Serial No. 201,064.

LA CAMPANIA

*Particular description of goods.*—Strings for Violins, Mandolins, Guitars, Banjos, Ukuleles, and Similar Musical Instruments.
*Claims use* since June 27, 1924.

205,387. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE NEW HAVEN CLOCK CO., New Haven, Conn. Filed Sept. 6, 1924. Serial No. 202,300.

Tom-Tucker

*Particular description of goods.*—Clocks and Watches.
*Claims use* since Aug. 23, 1924.

205,388. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE CORTICELLI SILK COMPANY, Florence, Mass., and New York, N. Y. Filed Nov. 15, 1924. Serial No. 205,317.

Satin Adair

*Particular description of goods.*—Silk Fabrics in the Piece.
*Claims use* since Sept. 22, 1924.

205,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE J. C. AYER COMPANY, Lowell, Mass. Filed Aug. 13, 1924. Serial No. 201,320.

WONT BAKE OUT

*Particular description of goods.*—Food-Flavoring Extracts.
*Claims use* since Aug. 4, 1924.

205,390. (CLASS 45. BEVERAGES, NONALCOHOLIC.) LEO J. RUDNICKI, doing business as Morris Bottling Works, Morris, Minn. Filed Sept. 8, 1925. Serial No. 219,992.

RUD'S
CALIFORNIA PORT

*Particular description of goods.*—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups for Making Same.
*Claims use* since Sept. 15, 1921.

205,391. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CASTLE FOUNDRY COMPANY, New Castle, Pa. Filed Aug. 6, 1925. Serial No. 218,467.)

"MIGHTY FORCE"

*Particular description of goods.*—Motor-Vehicle Water Pumps.
*Claims use* since July 1, 1924.

205,392. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE SESSIONS CLOCK COMPANY, Bristol, Conn. Filed July 31, 1925. Serial No. 218,210.

Sessions

*Particular description of goods.*—Clocks.
*Claims use* since 1900.

205,393. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WIDLAR CO., Cleveland, Ohio. Filed July 8, 1925. Serial No. 217,058.

Widlar's
OLD FASHION
Relish

*Particular description of goods.*—Vegetable-Spiced Relish.
*Claims use* since Sept. 23, 1924.



205,394. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES F. WHITE & CO., INC., New York, N. Y. Filed June 25, 1925. Serial No. 216,445.

EVERY YARD THE SAME

*Particular description of goods.*—Cotton Piece Goods Having a Linen Finish.
*Claims use* since Jan. 1, 1919.

205,395. (CLASS 27. HOROLOGICAL INSTRUMENTS.) COLOMBO & GUENIN, FABRICATION DE LA MONTRE COLGOR (COLOMBO & GUENIN, COLGOR WATCH CO.), Bienne, Switzerland. Filed Nov. 18, 1924. Serial No. 205,472.

COLOMBO &GUENIN
COLGOR WATCH CO

*Particular description of goods.*—Watches and Parts of Watches.
*Claims use* since Aug. 25, 1924.

205,396. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PARAGON PAINT & VARNISH CORPORATION, Long Island City, N. Y. Filed Dec. 31, 1924. Serial No. 207,514.

GLOSS-KOTE

*Particular description of goods.*—Ready-Mixed Paints.
*Claims use* since July 1, 1924.

205,397. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES F. WHITE & CO., INC., New York, N. Y. Filed June 25, 1925. Serial No. 216,444.

LAUNDERS LIKE LINEN

*Particular description of goods.*—Cotton Piece Goods Having a Linen Finish.
*Claims use* since March, 1920.

205,398. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STERLING PUMP WORKS, INC., Stockton, Calif. Filed June 25, 1925. Serial No. 216,441.

STERLING

*Particular description of goods.*—Pumps and Pump Parts.
*Claims use* since October, 1913.



205,399. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARTSVILLE MANUFACTURING COMPANY, Hartsville, S. C. Filed June 2, 1925. Serial No. 215,205.

COKER'S

*Particular description of goods.*—Fertilizer Grinders, Mixers, and Distributors.
*Claims use* since November, 1923.

205,400. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CARL LINDSTRÖM AKTIENGESELLSCHAFT, Berlin, Germany. Filed Apr. 8, 1925. Serial No. 212,391.

Marke Lindström

*Particular description of goods.*—Talking Machines and Parts Thereof, Phonographs and Parts Thereof, Needles for Talking Machines, Sound Boxes, Disks, Records, Paper Envelope Record Cases, Albums for Records, Dictating Machines, and Parts Thereof.
*Claims use* since July 11, 1918.

205,401. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CARL LINDSTRÖM AKTIENGESELLSCHAFT, Berlin, Germany. Filed Apr. 8, 1925. Serial No. 212,389.

Favorite

*Particular description of goods.*—Talking Machines and Parts Thereof, Phonographs and Parts Thereof, Disks, Records, and Sound Boxes, Dictating Machines and Parts Thereof.
*Claims use* since Mar. 28, 1916.

205,402. (CLASS 11. INKS AND INKING MATERIALS.) CHARLES R. LEONARD, doing business as The C. R. Leonard Company, Seattle, Wash. Filed Mar. 23, 1925. Serial No. 211,483.

BEESWAX

*Particular description of goods.*—Carbon Paper.
*Claims use* since Sept. 1, 1924.

205,403. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DE JON ELECTRIC CORPORATION, Poughkeepsie, N. Y. Filed Nov. 22, 1923. Serial No. 188,667.

Dé Jon

*Particular description of goods.*—Generators, Starting Motors, Ignition Coils, Timer Distributors, Starting Switches, and Circuit Breakers.
*Claims use* since Feb. 15, 1923.

205,404. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SPARTAN MILLS, Spartanburg, S. C. Filed Mar. 19, 1925. Serial No. 211,302.

RANGELEY

Trade-mark consists of the word "Rangeley."
*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since March, 1900.

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205,405. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SE-BOT-M BOAT CO., Miami, Fla. Filed Aug. 17, 1925. Serial No. 219,008.

SE-BOT-M

*Particular description of goods.*—Observation Boats.
*Claims use* since on or about Mar. 8, 1921.

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205,406. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa. Filed Aug. 13, 1925. Serial No. 218,836.

DOUBLE SHOT

*Particular description of goods.*—Animal Traps.
*Claims use* since May 15, 1924.

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205,407. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) ELGIN AMERICAN MANUFACTURING CO., Elgin, Ill. Filed Aug. 13, 1925. Serial No. 218,799.

Elgin Smoker

*Particular description of goods.*—Smoking Sets, the Same Being Made of Nickel.
*Claims use* since Feb. 29, 1924.

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205,408. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PRESERVALINE MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Aug. 5, 1925. Serial No. 218,428.

PERFECTION

*Particular description of goods.*—Coloring Matter for Butter, Cheese, Sausage Casings, Meat Food Products, and Other Food Products.
*Claims use* since January, 1911.

205,409. (CLASS 6, CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN PORTER BRUMFIELD, Galena, Kans. Filed Aug. 5, 1925. Serial No. 218,389.

BRUMFIELD'S

*Particular description of goods.*—Asthma and Cough Remedy, and White Salve—Namely, a Preparation for Use in the Alleviation of Pains, Aches, Soreness, and Stiff Joints.
*Claims use* since Aug. 10, 1923.

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205,410. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEGO MILK PRODUCTS COMPANY, Salt Lake City, Utah. Filed July 31, 1925. Serial No. 218,209.

ONTARIO

*Particular description of goods.*—Cheese.
*Claims use* since November, 1904.

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205,411. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TUCK MANUFACTURING COMPANY, Brockton, Mass. Filed July 29, 1925. Serial No. 218,094.

TUCK

*Particular description of goods.*—Certain Named Small Hand Tools.
*Claims use* since June, 1902.

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205,412. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE CHICAGO WHITE LEAD & OIL CO., Chicago, Ill. Filed July 28, 1925. Serial No. 217,997.

PASSAIC

*Particular description of goods.*—Mixed Paints.
*Claims use* since Mar. 19, 1919.

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205,413. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MIKE A. NIGRO, doing business as Flegym Pharmacal Company, Kansas City, Mo. Filed June 23, 1925. Serial No. 216,282.

FLEGYMS COLD CAPSULES

THE ORIGINAL PINK COLD CAPSULE

*Particular description of goods.*—Medicinal Preparation for Colds, and Medicinal Preparation for Influenza, La Grippe, Neuralgia, and Headaches.
*Claims use* since Nov. 1, 1923.



205,414. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MATTHEW W. RYAN, doing business as W. H. Brown Son & Co., New York, N. Y. Filed May 22, 1925. Serial No. 214,751.

Triple Chiffon

Trade-mark consists of the words "Triple Chiffon."
*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since May, 1922.

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205,415. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EASTERN STATES FARMERS' EXCHANGE, Springfield, Mass. Filed Apr. 16, 1925. Serial No. 212,788.

PASTURE
RATION

*Particular description of goods.*—Mixed Feed for Cattle.
*Claims use* since May 1, 1924.

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205,416. (CLASS 12. CONSTRUCTION MATERIALS.) KEYSTONE ROOFING MANUFACTURING COMPANY, York, Pa. Filed Mar. 14, 1925. Serial No. 211,087.

Preston

*Particular description of goods.*—Construction Materials, Such as Asphalt Roofing in Roll and Shingle Form and Waterproof Insulating and Building Paper.
*Claims use* since August, 1924.

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205,417. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HJALMAR JAEGERSTROM, San Francisco, Calif. Filed Dec. 8, 1924. Serial No. 206,409.

PIX

*Particular description of goods.*—Pastilles for the Throat.
*Claims use* since Sept. 20, 1924.

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205,418. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GATE CITY BLOW PIPE COMPANY, Atlanta, Ga. Filed Oct. 29, 1924. Serial No. 204,552.

*Particular description of goods.*—Blowpipe Systems and Dust Collectors.
*Claims use* since July 4, 1924.

205,419. (CLASS 15. OILS AND GREASES.) WILLIAM H. GODFREY, Philadelphia, Pa. Filed Sept. 30, 1924. Serial No. 203,234.

FORDGAS

*Particular description of goods.*—Motor Fuel Oil.
*Claims use* since Sept. 10, 1924.

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205,420. (CLASS 38. PRINTS AND PUBLICATIONS.) CHIVERS BOOK BINDING CO., INC., Brooklyn, N. Y. Filed Sept. 11, 1924. Serial No. 202,487.

RECONSTRUCTED

Trade-mark consists of the word "Reconstructed."
*Particular description of goods.*—Rebound Books.
*Claims use* since July 12, 1924.

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205,421. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo. Filed Sept. 8, 1924. Serial No. 202,361.

San Luis

*Particular description of goods.*—Fishlines.
*Claims use* since Sept. 3, 1924.

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205,422. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PETTIBONE MULLIKEN CO., New York, N. Y. Filed Sept. 4, 1924. Serial No. 202,219.

DIAMOND

*Particular description of goods.*—Centrifugal Pumps.
*Claims use* since Nov. 7, 1923.

205,423. (CLASS 23. CUTLERY, MACHINERY, AND AND TOOLS, AND PARTS THEREOF.) NON-LEAK GREASE RETAINER CO., St. Paul, Minn. Filed Sept. 2, 1924. Serial No. 202,137.

**Non-Leak**

*Particular description of goods.*—Grease Retainers.
*Claims use* since Apr. 10, 1924.

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205,424. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE W. DAY, Wahtoke, Calif. Filed Aug. 27, 1924. Serial No. 201,922.

**COLONIAL PACK**

*Particular description of goods.*—Green Fruits—Namely, Fancy Table Grapes.
*Claims bona fide use* for not less than one year in interstate commerce by applicant.

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205,425. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. W. DAY, Wahtoke, Calif. Filed Aug. 27, 1924. Serial No. 201,921.

**DAY'S SPECIAL COLONIAL PACK**

*Particular description of goods.*—Green Fruits—Namely, Fancy Table Grapes.
*Claims bona fide use* for not less than one year in interstate commerce by applicant.

205,426. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAVEN MINERAL MANUFACTURING CO., Rochelle, Ill., and Council Bluffs, Iowa. Filed June 19, 1924. Serial No. 198,822.

**Iowa Simple Mineral Mixture**

*Particular description of goods.*—Mineral Feed for Animals.
*Claims use* since Jan. 1, 1924.

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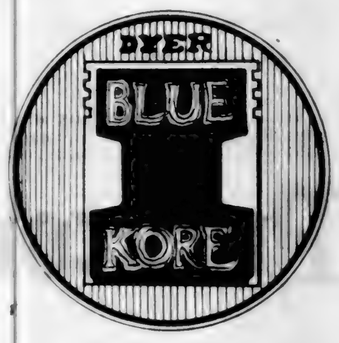
205,427. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DYER COMPANY, Cambridge, Mass. Filed Jan. 7, 1924. Serial No. 190,496.




*Particular description of goods.*—Pistons.
*Claims use* since Dec. 10, 1923.

## TRADE-MARK REGISTRATIONS RENEWED

44,522. SUPPORTERS FOR HOSE, SKIRTS, &c. Registered July 11, 1905. THE CLARK MANUFACTURING COMPANY. Renewed July 11, 1925, to Anthony S. Anderson, doing business as Anderson Garter Company, Boston, Mass., successor.

45,053. VARNISHES. Registered August 1, 1905. CHAS. H. GILLESPIE & SONS. Renewed August 1, 1925, to GILLESPIE VARNISH COMPANY, Jersey City, N. J., a Corporation of New Jersey, assignee.

45,170. A CURE FOR PILES. Registered August 8, 1905. PINEULE MEDICINE CO., Chicago, Ill. Renewed August 8, 1925, to E. C. De Witt & Co. Inc., New York, N. Y., a Corporation of New York, assignee, by mesne assignments.

45,252. RANGES, STOVES, AND HEATERS. Registered August 8, 1905. MAJESTIC MANUFACTURING COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed August 8, 1925.

45,256. WATCHCASES. Registered August 8, 1905. THE DUEBER WATCH CASE MFG. CO. Renewed August 8, 1925, to The Dueber-Hampden Watch Company, Canton, Ohio, a Corporation of Ohio, assignee.

45,308. REMEDY FOR CERTAIN NAMED DISEASES. Registered August 8, 1905. ALBERT G. GROBLEWSKI. Renewed August 8, 1925, to Albert G. Groblewski & Co., Incorporated, Plymouth, Pa., a Corporation of Pennsylvania, assignee.

45,493. WHEAT FLOUR. Registered August 22, 1905. THE HUNGARIAN MILLING & ELEVATOR COMPANY. Renewed August 22, 1925, to The Colorado Milling & Elevator Co., Denver, Colo., a Corporation of Colorado, successor.

45,638. RANGES, STOVES, AND HEATERS. Registered August 22, 1905. MAJESTIC MANUFACTURING COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed Aug. 22, 1925.

45,788. A MEDICINE SPECIFIC FOR CERTAIN NAMED DISEASES. Registered August 29, 1905. PABST CHEMICAL COMPANY. Renewed August 29, 1925, to F. Pabst, doing business as Pabst Chemical Company, Chicago, Ill., successor.

46,806. HORSE NAILS. Registered October 10, 1905. STANDARD HORSE NAIL COMPANY, New Brighton, Pa., a Corporation of Pennsylvania. Renewed October 10, 1925.

46,808. HORSE NAILS. Registered October 10, 1905. STANDARD HORSE NAIL COMPANY, New Brighton, Pa., a Corporation of Pennsylvania. Renewed October 10, 1925.

46,809. HORSE NAILS. Registered October 10, 1905. STANDARD HORSE NAIL COMPANY, New Brighton, Pa., a Corporation of Pennsylvania. Renewed October 10, 1925.



46,810. HORSE NAILS. Registered October 10, 1905. STANDARD HORSE NAIL COMPANY, New Brighton, Pa., a Corporation of Pennsylvania. Renewed October 10, 1925.

46,811. HORSE NAILS. Registered October 10, 1905. STANDARD HORSE NAIL COMPANY, New Brighton, Pa., a Corporation of Pennsylvania. Renewed October 10, 1925.

46,812. HORSE NAILS. Registered October 10, 1905. STANDARD HORSE NAIL COMPANY, New Brighton, Pa., a Corporation of Pennsylvania. Renewed October 10, 1925.

46,991. HORSE NAILS. Registered October 17, 1905. STANDARD HORSE NAIL COMPANY, New Brighton, Pa., a Corporation of Pennsylvania. Renewed October 17, 1925.

47,011. HORSE NAILS. Registered October 17, 1905. STANDARD HORSE NAIL COMPANY, New Brighton, Pa., a Corporation of Pennsylvania. Renewed October 17, 1925.

48,148. LAGER BEER. Registered December 12, 1905. ADAM SCHEIDT BREWING CO., Norristown, Pa., a Corporation of Pennsylvania. Renewed December 12, 1925.

48,159. SHEETINGS. Registered December 12, 1905. MINOT, HOOPER & CO., New York, N. Y. Renewed December 12, 1925.

48,195. TWINE FOR BINDING GRAIN. Registered December 19, 1905. PLINEY E. COOPER, Minneapolis, Minn. Renewed December 19, 1925, to Cooper Cordage Company, Chicago, Ill., a Corporation of Minnesota, assignee.

48,209. SHOVELS, SPADES, AND SCOOPS. Registered December 19, 1905. AMES SHOVEL AND TOOL COMPANY, Boston and North Easton, Mass.; Philadelphia, Cheltenham, and Beaver Falls, Pa.; Anderson and Elwood, Ind.; and St. Louis, Mo. Renewed December 19, 1925, to Ames Shovel and Tool Company, Boston, Mass., a Corporation of New Jersey.

48,230. FOUNTAIN PENS. Registered December 19, 1905. L. E. WATERMAN COMPANY, New York, N. Y., a Corporation of New York. Renewed December 19, 1925.

48,239. CHEWING GUM. Registered December 19, 1905. AMERICAN CHICLE CO., New York, N. Y. Renewed December 19, 1925, to American Chicle Co., Long Island City, N. Y., a Corporation of New Jersey.

48,244. PORTLAND CEMENT. Registered December 19, 1905. GERMAN-AMERICAN PORTLAND CEMENT WORKS, La Salle, Ill. Renewed December 19, 1925, to Alpha Portland Cement Company, Easton, Pa., a Corporation of New Jersey, assignee.

48,251. JOCK-STRAP SUSPENSORIES. Registered December 19, 1905. SHARP & SMITH. Renewed December 19, 1925, to Bike Web Manufacturing Company, Chicago, Ill., a Corporation of Illinois, assignee by mesne assignments.

48,274. SHOULDERS, BACKS, HAMS, AND BACON. Registered December 19, 1905. CUDAHY BROTHERS CO., Cudahy, Wis., a Corporation of Wisconsin. Renewed December 19, 1925.

48,288. CANNED SALMON. Registered December 19, 1905. PACIFIC AMERICAN FISHERIES, Portland, Me. Renewed December 19, 1925, to Pacific American Fisheries, Portland, Me., and South Bellingham, Wash., a Corporation of Maine.

48,337. OILED CLOTHING. Registered December 26, 1905. A. J. TOWER CO., Roxbury, Mass., a Corporation of Massachusetts. Renewed December 26, 1925.

48,352. CANDY. Registered December 26, 1905. REYMER & BROTHERS, INCORPORATED, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed December 26, 1925.

48,356. PACKING. Registered December 26, 1905. THE GARLOCK PACKING COMPANY, Palmyra, N. Y., a Corporation of New York. Renewed December 26, 1925.

48,362. SEWING MACHINES AND ATTACHMENTS. Registered December 26, 1905. ABRAHAM & STRAUS, New York, N. Y. Renewed December 26, 1925, to Abraham & Straus, Inc., Brooklyn, N. Y., a Corporation of New York, assignee.

48,370. SAWS. Registered December 26, 1905. E. C. Atkins & Company, Indianapolis, Ind.; New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; Minneapolis, Minn.; Portland, Oreg.; Seattle, Wash.; San Francisco, Calif.; Chicago, Ill.; and Toronto, Canada. Renewed December 26, 1925, to E. C. Atkins & Company, Indianapolis, Ind., a Corporation of Indiana.

48,373. VALVES AND COCKS. Registered December 26, 1905. ALFRED B. JENKINS, New York, N. Y., and Boston, Mass. Renewed December 26, 1925, to Jenkins Bros., New York, N. Y., a Corporation of New Jersey, assignee.

48,385. GREASE CUPS. Registered December 26, 1905. THE LUNKENHEIMER COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed December 26, 1925.

48,445. OILS FOR INTERNAL AND EXTERNAL USE. Registered December 26, 1905. THE KICKAPOO INDIAN MEDICINE CO., Clintonville, Conn. Renewed December 26, 1925, to Kickapoo Indian Medicine Co., Incorporated, New York, N. Y., a Corporation of Pennsylvania, assignee.

48,460. MUSTARD. Registered January 2, 1906. CHARLES GULDEN. Renewed January 2, 1926, to Charles Gulden, Inc., New York, N. Y., a Corporation of New York, assignee.

48,467. MUSTARD AND SPICES. Registered January 2, 1906. TONE BROS., Des Moines, Iowa, a Corporation of Iowa. Renewed January 2, 1926.

48,504. MALT TONIC. Registered January 2, 1906. MCAVOY BREWING CO. Renewed January 2, 1926, to McAvoy Company, Chicago, Ill., a Corporation of Illinois, assignee.

48,599. CANDY. Registered January 2, 1906. THE CHANDLER AND RUDD COMPANY, Cleveland, Ohio. Renewed January 2, 1926, to Ucanco Candy Co., Davenport, Iowa, a Corporation of Delaware, assignee.

48,621. CANDY. Registered January 9, 1906. HAWLEY & HOOPS, New York, N. Y. Renewed January 9, 1926.

48,622. SPOOL COTTON. Registered January 9, 1906. JOHN J. CLARK & CO. Renewed January 9, 1926, to Blodgett & Orswell Co., Pawtucket, R. I., a Corporation of Rhode Island, assignee.

48,631. PIN RETAINERS. Registered January 9, 1906. GEORGE J. CAPEWELL, Jr., Hartford, Conn. Renewed January 9, 1926.

48,640. LATHER BRUSHES, SHAVING BRUSHES, AND PAINTBRUSHES. Registered January 9, 1906. RUBBER AND CELLULOID HARNESS TRIMMING CO. Renewed January 9, 1926, to Rubber and Celluloid Products Company, New York, N. Y., a Corporation of New Jersey, assignee.

48,645. COTTON PIECE GOODS. Registered January 9, 1906. THE RENFREW MANUFACTURING COMPANY, Adams, Mass., a Corporation of Massachusetts. Renewed January 9, 1926.

48,664. CONDENSED SOUPS. Registered January 9, 1906. JOSEPH CAMPBELL COMPANY. Renewed January 9, 1926, to Campbell Soup Company, Camden, N. J., a Corporation of New Jersey, assignee.

48,695. TIRE BOLTS. Registered January 9, 1906. RUSSELL, BURDSALL & WARD BOLT & NUT CO., Port Chester, N. Y., a Corporation of New York. Renewed January 9, 1926.

48,701. CANDY. Registered January 9, 1906. THE CHANDLER AND RUDD COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed January 9, 1926.

48,706. A METALLIC ALLOY AND ARTICLES OF WHICH SUCH ALLOY FORMS A PART. Registered January 9, 1906. THE RIVERSIDE METAL CO., Riverside, N. J., a Corporation of New Jersey. Renewed January 9, 1926.

48,709. ANTISEPTICS. Registered January 9, 1906. JAMES T. WETHERALD, Boston, Mass. Renewed January 9, 1926.

48,743. ROPE, CORD, AND TWINE. Registered January 9, 1906. THE SCHLICHTER JUTE CORDAGE CO., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed January 9, 1926.

48,787. PETROLEUM LUBRICATING OILS. Registered January 16, 1906. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa. Renewed January 16, 1926, to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas.

48,788. CIGARS. Registered January 16, 1906. HAVANA COMMERCIAL COMPANY, New York, N. Y. Renewed January 16, 1926, to Havana Commercial Company, Jersey City, N. J., and New York, N. Y.

48,805. SURGICAL BELTS AND BANDAGES. Registered January 16, 1906. SHARP & SMITH, Chicago, Ill., a Corporation of Illinois. Renewed January 16, 1926.

48,809. LEATHER BELTINGS. Registered January 16, 1906. THE AMERICAN OAK LEATHER COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed January 16, 1926.

48,820. BRUSHES. Registered January 16, 1906. JOHN L. WHITING & SON CO. Renewed January 16, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

48,833. PAINTS, VARNISHES, COLORS, FILLERS, SURFACERS, STAINS, AND ENAMELS. Registered January 16, 1906. THE THOMSON WOOD FINISHING CO., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed January 16, 1926.

48,839. BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER. Registered January 16, 1906. WINGO, ELLETT & CRUMP SHOE CO., Manchester, Va. Renewed January 16, 1926, to Wingo, Ellett & Crump Shoe Co., Richmond, Va., a Corporation of Virginia.

48,911. REMEDY FOR CERTAIN NAMED DISEASES. Registered January 16, 1906. CAPUDINE CHEMICAL COMPANY, Raleigh, N. C., a Corporation of North Carolina. Renewed January 16, 1926.

48,930. A MALT TONIC. Registered January 16, 1906. MCAVOY BREWING CO. Renewed January 16, 1926, to McAvoy Company, Chicago, Ill., a Corporation of Illinois, assignee.

48,940. STOVES, RANGES, FURNACES, AND PARTS THEREOF. Registered January 16, 1906. SCRANTON STOVE WORKS, Scranton, Pa., a Corporation of Pennsylvania. Renewed January 16, 1926.

48,951. PREPARATION FOR THE TREATMENT OF CERTAIN NAMED DISEASES. Registered January 16, 1906. THE E. E. SUTHERLAND MEDICINE CO., Paducah, Ky. Renewed January 16, 1926, to Dr. Bell Medicine Co., Inc., New York, N. Y., a Corporation of Delaware, assignee.

49,035. PREPARATION FOR CLEANING and POLISHING METALS AND GLASS. Registered January 23, 1906. THE ELECTRO SILICON CO., New York, N. Y., a Corporation of New York. Renewed January 23, 1926.

49,375. HAVANA CIGARS. Registered February 6, 1906. HAVANA COMMERCIAL COMPANY, New York, N. Y. Renewed February 6, 1926, to Havana Commercial Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey.

49,389. TAR SOAP. Registered February 6, 1906. EDWARD A. OLDS. Renewed February 6, 1926, to The Packer Manufacturing Company, Inc., New York, N. Y., a Corporation of New York, assignee.

49,426. PLAYING CARDS. Registered February 6, 1906. A. DOUGHERTY, New York, N. Y., a Corporation of New York. Renewed February 6, 1926.

49,433. CERTAIN NAMED ELECTRIC MACHINES. Registered February 6, 1906. DIEHL MANUFACTURING COMPANY, Elizabethport, N. J., a Corporation of New Jersey. Renewed February 6, 1926.

49,471. THREAD YARN. Registered February 6, 1906. ELIZABETH MILL CO., Providence, R. I. Renewed February 6, 1926, to Elizabeth Mill Co., Hills Grove, R. I., a Corporation of Rhode Island.

49,513. MOLASSES. Registered February 6, 1906. BOSTON MOLASSES CO., Boston, Mass., a Corporation of New Jersey. Renewed February 6, 1926.

49,634. MINERAL PAINT. Registered February 13, 1906. CHATTANOOGA PAINT CO., Chattanooga, Tenn., a Corporation of Tennessee. Renewed February 13, 1926.

49,636. A LUBRICATING GREASE. Registered February 13, 1906. ADAM COOK'S SONS. Renewed February 13, 1926, to Adam Cooks Sons, Inc., New York, N. Y., a Corporation of New York, assignee.

49,691. TWYERS. Registered February 13, 1906. THE CHAMPION BLOWER & FORGE COMNPANY, Lancaster, Pa., a Corporation of Pennsylvania. Renewed February 13, 1926.

49,725. TANNED SHEEPSKINS. Registered February 13, 1906. RICHARD YOUNG COMPANY, New York, N. Y., a Corporation of New York. Renewed February 13, 1926.

49,755. LEATHER BOOTS AND SHOES. Registered February 13, 1906. A. H. BERRY SHOE COMPANY, Portland, Me., a Corporation of Maine. Renewed February 13, 1926.

49,789. GRASS SEED. Registered February 13, 1906. HORACE E. CONKLIN, doing business as E. W. Conklin & Son, Binghamton, N. Y. Renewed February 13, 1926.

49,798. LEATHER BOOTS AND SHOES AND LEATHER THEREFOR. Registered February 20, 1906. THE AMERICAN OAK LEATHER COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed February 20, 1926.

49,820. MEDICINAL PREPARATIONS. Registered February 20, 1906. WILLIAM R. WARNER & CO., Philadelphia, Pa. Renewed February 20, 1926, to William R. Warner & Co., Inc., New York, N. Y., a Corporation of Delaware, assignee.

49,918. MOLASSES. Registered February 20, 1906. THE EASTERN REFINING CO. Renewed February 20, 1926, to American Molasses Company, New York, N. Y., a Corporation of New York, successor.

49,928. SELF-RAISING PREPARED BUCKWHEAT FLOUR. Registered February 20, 1906. FRANK C. WILLIAMS, Easton, Pa. Renewed February 20, 1926.

50,038. LAWN MOWERS. Registered February 27, 1906. ADELBERT B. CASE. Renewed February 27, 1926, to Blair Manufacturing Company, Springfield, Mass., a Corporation of Massachusetts, assignee.

# LABELS

## REGISTERED NOVEMBER 3, 1925.

29,406.—*Title:* FRACY PARIS FRANCE. For Face Powder. F. R. ARNOLD & Co., New York, N. Y. Published September 15, 1925.

29,407.—*Title:* QUALITY BREAD. For Wheat Bread. CENTRAL WAXED PAPER CO., Chicago, Ill. Published June 15, 1925.

29,408.—*Title:* KLEAN KLEANER. For Soft Hand Paste or Soap. ADAM N. CORKHILL, Jr., Camden, N. J. Published July 1, 1925.

29,409.—*Title:* MEISTERBREW. For Malt Extract. JOHN DUNKEL, Chicago, Ill. Published August 1, 1925.

29,410.—*Title:* OLD ROSE. For Malt Extract. JOHN DUNKEL, Chicago, Ill. Published August 1, 1925.

29,411.—*Title:* VANTA BABY GARMENTS. For Baby Garments. EARNSHAW KNITTING CO., Newton, Mass. Published August 18, 1925.

29,412.—*Title:* FLUXO THE CLEANSER FOR TOILET BOWLS. For Cleansing Preparation in Powder Form Having Disinfecting and Deodorizing Properties, Useful Particularly in Bathrooms and Other Plumbing Appliances. FLUXO PRODUCTS COMPANY, INC., Le Roy, N. Y. Published July 31, 1925.

29,413.—*Title:* BOHACK'S BREAD. For Bread. EMILE FRISCH, Chicago, Ill., assignor to H. C. Bohack Co. Inc., Brooklyn, N. Y., a Corporation of New York. Published August 7, 1925.

29,414.—*Title:* RAINBO WHITE SOAP FLAKES. For Soap Flakes. GOLD DUST CORPORATION, Jersey City, N. J. Published August 31, 1925.

29,415.—*Title:* LA-CHAMPAGNE. For a Soft Drink. ROBT. T. JONES, doing business at the Virginia Syrup and Extract Company, Alexandria, Va. Published April 2, 1925.

29,416.—*Title:* BODY SWEET. For Bath Salts. A. J. KRANK MFG. CO., St. Paul, Minn. Published July 29, 1925.

29,417.—*Title:* WHITE KING. For Soap. LOS ANGELES SOAP CO., Los Angeles, Calif. Published September 1, 1925.

29,418.—*Title:* COMMONWEALTH. For Coffee. HORACE M. B. MACK, Lancaster, Pa. Published September 28, 1925.

29,419.—*Title:* PENNSYLVANIA SPECIAL. For coffee. HORACE M. B. MACK, Lancaster, Pa. Published September 28, 1925.

29,420.—*Title:* OLD STATE CAPITOL. For Coffee. HORACE M. B. MACK, Lancaster, Pa. Published September 28, 1925.

29,421.—*Title:* POM-ORA. For Canned Goods, and Especially Canned Grapefruit. POM-ORA CORPORATION, New York, N. Y. Published July 25, 1925.

29,422.—*Title:* POM-ORA. For Fresh Fruit, and Especially Oranges and Grapefruit. POM-ORA CORPORATION, New York, N. Y. Published July 29, 1925.

29,423.—*Title:* MODESTO. For Canned Sliced Hawaiian Pineapple. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published August 12, 1925.

29,424.—*Title:* SANTA CLARA SPECIALS. For Canned Crushed Hawaiian Pineapple. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published August 12, 1925.

29,425.—*Title:* ROMAN GOLD. For Canned Apricots. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published August 12, 1925.

29,426.—*Title:* SALADA—PURE UNCOLOURED GREEN TEA (RED LABEL). For Tea. SALADA TEA COMPANY, Boston, Mass. Published November 22, 1920.

29,427.—*Title:* SALADA BLACK TEA (BROWN LABEL). For Tea. SALADA TEA COMPANY, Boston, Mass. Published November 22, 1920.

29,428.—*Title:* SALADA—GREEN TEA (RED LABEL). For Tea. SALADA TEA COMPANY, Boston, Mass. Published November 22, 1920.

29,429.—*Title:* SALADA—BLACK & GREEN TEA MIXED (BLUE LABEL). For Tea. SALADA TEA COMPANY, Boston, Mass. Published November 22, 1920.

29,430.—*Title:* SALADA PURE UNCOLOURED GREEN TEA (GOLD LABEL). For Green Tea. SALADA TEA COMPANY, Boston, Mass. Published November 22, 1922.

29,431.—*Title:* SALADA MIXED TEA (GOLD LABEL). For Black and Green Mixed Tea. SALADA TEA COMPANY, Boston, Mass. Published November 22, 1922.

29,432.—*Title:* SALADA ORANGE PEKOE & PEKOE (GOLD LABEL). For Black Tea. SALADA TEA COMPANY, Boston, Mass. Published June 26, 1924.

29,433.—*Title:* SALADA ORANGE PEKOE & PEKOE (RED LABEL INDIVIDUAL BAGS). For Black Tea. SALADA TEA COMPANY, Boston, Mass. Published June 26, 1924.

29,434.—*Title:* SALADA MIXED TEA (RED LABEL). For Black and Green Tea Mixed. SALADA TEA COMPANY, Boston, Mass. Published November 22, 1920.

29,435.—*Title:* SALADA ORANGE PEKOE & PEKOE (BLUE LABEL). For Black Tea. SALADA TEA COMPANY, Boston, Mass. Published June 26, 1924.

29,436.—*Title:* SALADA TEA (BROWN LABEL). For Black and Green Tea Mixed. SALADA TEA COMPANY, Boston, Mass. Published November 22, 1920.

29,437.—*Title:* SALADA PURE UNCOLOURED GREEN TEA (BROWN LABEL). For Green Tea. SALADA TEA COMPANY, Boston, Mass. Published November 22, 1920.

29,438.—*Title:* SALADA COCOA (BLUE LABEL). For Cocoa. SALADA TEA COMPANY, Boston, Mass. Published April 1, 1925.

29,439.—*Title:* SALADA COFFEE (RED LABEL). For Coffee. SALADA TEA COMPANY, Boston, Mass. Published April 13, 1925.

29,440.—*Title:* BLACK AND WHITE. For Evaporated Milk. FRANK T. STARE, INC., Wausau, Wis. Published September 1, 1925.

29,441.—*Title:* RED BAND. For Evaporated Milk. FRANK T. STARE, INC., Wausau, Wis. Published September 1, 1925.

29,442. —*Title:* BLUE BAND. For Evaporated Milk. FRANK T. STARE, INC., Wausau, Wis. Published September 1, 1925.

29,443.—*Title:* KORN KING. For Pop Corn. EARL I. WALLACE, doing business as Wright Pop Corn Co., San Francisco, Calif. Published September 1, 1925.

29,444.—*Title:* WHITE CROSS MALTED MILK. For Malted Milk. WHITE CROSS FOOD COMPANY, Racine, Wis. Published July 23, 1925.

# PRINTS

## REGISTERED NOVEMBER 3, 1925.

8,297.—*Title:* ABBOTTMAID THE DE LUXE ICE CREAM. For Ice Cream. ABBOTTS ALDERNEY DAIRIES, INC., Philadelphia, Pa. Published April 1, 1925.

8,298.—*Title:* WHAT IT MEANS TO BE AN AUTHORIZED AMER TRAN DEALER. For Audio and Power Transformers and Choke Coils. AMERICAN TRANSFORMER CO., Newark, N. J. Published September 24, 1925.

8,299.—*Title:* IMPROVE YOUR FORDS APPEARANCE WITH DE LUXE RADIATOR CAP. For Radiator Caps on Ford Automobiles. THE BRONZO ALUMINA CORPORATION, Buffalo, N. Y. Published December 1, 1924.

8,300.—*Title:* GOOD—(WINGFOOD)—YEAR TIRES AT LOW PRICES. For Vehicle Tires Composed Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Akron, Ohio. Published September 1, 1925.

8,301.—*Title:* HOW MUCH DO YOU WANT TO PAY? WE HAVE GOOD (WINGFOOT) TIRES AT YOUR PRICE. For Vehicle Tires Composed Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Akron, Ohio. Published September 1, 1925.

8,302.—*Title:* KEYSTONE VARNISH CO. PRODUCTS. For Varnishes. KEYSTONE VARNISH CO., New York, N. Y. Published September 24, 1925.

8,303.—*Title:* FOR THE ENTIRE FAMILY SUN-PRUF GOGGLES PROTECT YOUR EYES (MAN DESIGN). For Sun-Pruf Goggles. ROSLINOID MFG. CO., East Boston, Mass. Published September 1, 1925.

8,304.—*Title:* FOR THE ENTIRE FAMILY SUN-PRUF GOGGLES PROTECT YOUR EYES (GIRL DESIGN). For Sun-Pruf Goggles. ROSLINOID MFG. CO., East Boston, Mass. Published September 1, 1925.

8,305.—*Title:* FOR THE ENTIRE FAMILY SUN-PRUF GOGGLES PROTECT YOUR EYES (FAMILY DESIGN). For Sun-Pruf Goggles. ROSLINOID MFG. CO., East Boston, Mass. Published September 1, 1925.

8,306.—*Title:* CORNS STOP THEIR PAIN. For Dr. Scholl's Zino Pads. THE SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Published April 2, 1924.

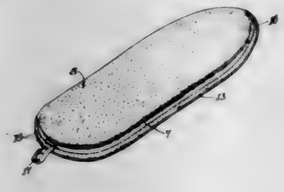
8,307.—*Title:* SURE SAFE RELIEF CORNS STOP HURTING IN ONE MINUTE. For Dr. Scholl's Zino Pads. THE SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Published April 2, 1924.



# REISSUES

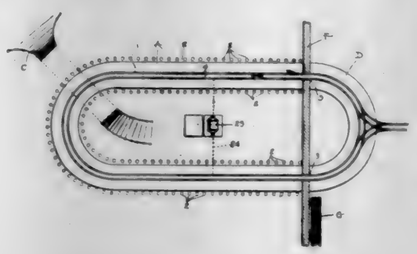
## NOVEMBER 3, 1925.

16,194. **PRESSER FOR VELOUR, BOLIVIA, ETC.** RUBIN BASS, Brooklyn, N. Y. Filed Apr. 10, 1925. Serial No. 22,235. Original No. 1,453,697, dated May 1, 1923, Serial No. 592,241, filed Oct. 4, 1922. 6 Claims. (Cl. 68—11.)



1. A pressing device comprising a cloth foundation having wire needles projecting therefrom and a backing stitched to the foundation by lines of stitches traversing over the surface thereof to hold the backing to the foundation and prevent the needles from working loose.

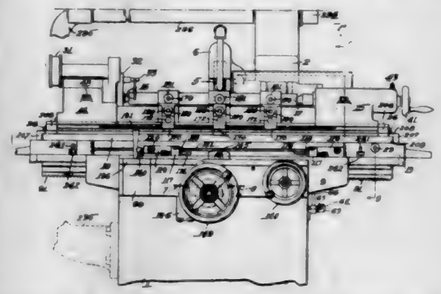
16,195. **METHOD OF FEEDING PEOPLE.** JOHN M. BAITINGER, St. Paul, Minn. Filed Apr. 2, 1924. Serial No. 703,826. Original No. 1,442,211, dated Jan. 16, 1923, Serial No. 308,885, filed July 5, 1919. 16 Claims. (Cl. 186—1.)



1. In a food serving mechanism, a table, a plurality of normally open food receptacles adapted to be successively moved along said table to accessibly display said food, means for maintaining some of said food receptacles at a predetermined temperature and means for interchangeably attaching said temperature maintaining means upon other of said receptacles.

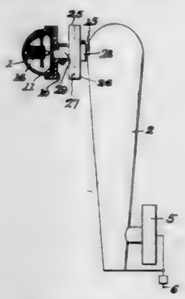
16,196. **GRINDING MACHINE.** JOHN BATH, Worcester, Mass., assignor to John Bath & Company, Incorporated, Worcester, Mass., a Corporation of Massachusetts. Filed May 25, 1925. Serial No. 32,854. Original No. 1,202,018, dated Oct. 24, 1916, Serial No. 701,754, filed June 5, 1912. 33 Claims. (Cl. 51—95.)

1. A grinding machine including in its construction a cross feed carriage, a work holding slide mounted on said carriage and movable transversely to the feed of the latter, and mechanism for automatically driving said slide, including a gear supported on a stationary part of the machine and having a length as great as the distance of feeding of said carriage, a gear mounted upon the



carriage in mesh with and movable longitudinally of said driving gear, and further gearing driven by the second named gear and connected with the work holder.

16,197. **SOUND-REPRODUCING DEVICE.** PATRICK B. DELANY, South Orange, N. J.; James H. Delany executor of said Patrick B. Delany, deceased. Filed July 9, 1923. Serial No. 650,482. Original No. 1,415,807, dated May 9, 1922, Serial No. 214,951, filed Feb. 1, 1918. 8 Claims. (Cl. 179—100.1.)

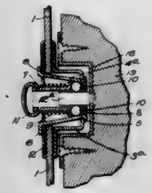


1. A sound reproducing device comprising: a sound reproducing instrument having a tubular sound wave directing member, a telephone transmitter of the current-generating type mounted on the side of said tubular member in position to be actuated by sound wave disturbances within said member, and a telephone circuit within which said transmitter is included.

16,198. **CURTAIN FASTENER.** JOHN L. PETERSON, Grand Rapids, Mich., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed June 25, 1925. Serial No. 39,612. Original No. 1,471,570, dated Oct. 23, 1923, Serial No. 570,828, filed June 26, 1922. 11 Claims. (Cl. 24—211.)

11. A flush type separable fastener installation including a socket-retaining part countersunk into a recess in

a rigid support and means for securing said socket-retaining part to said support and having its outer end lo-



cated in substantially the same plane as the outer face of the support.

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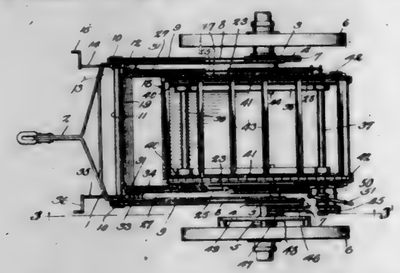
16,199. EXCAVATOR. JESSE E. SCHULTZ, Albany, Wis., assignor of one-third to Ray Webb and one-third to Colonel Dixon, both of Albany, Wis. Filed Sept. 17, 1925. Serial No. 57,012. Original No. 1,537,558, dated May 12, 1925, Serial No. 733,408, filed Aug. 21, 1924. 16 Claims. (Cl. 37—4.)



1. The combination with supporting wheels and a frame carried therebetween, of a scoop movably mounted within the frame, an endless loading device mounted for swinging movement within the scoop, and means for actuating the loading device to pile material within the scoop.

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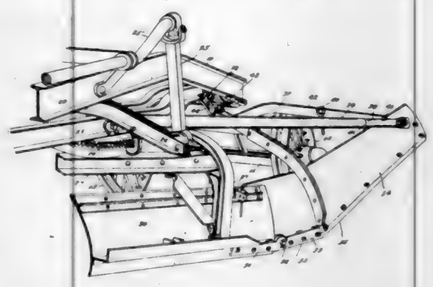
16,200. DITCH-FORMING GRADER. JOSEPH D. ADAMS, deceased, late of Indianapolis, Ind., by Roy E. Adams and William Ray Adams, Indianapolis, Ind., administrators, and Roy E. Adams, Indianapolis, Ind., assignors to J. D. Adams & Company, a Partnership composed of Roy E. Adams, William Ray Adams, Leona H. Adams and Helen J. Adams as individuals, and Roy E. Adams, William Ray Adams and S. E. Henry, as trustees. Filed June 6, 1925. Serial No. 35,503. Original No. 1,507,552, dated Sept. 2, 1924, Serial No. 405,318, filed Aug. 23, 1920. 16 Claims. (Cl. 37—155.)

1. A ditch-forming road grader, comprising the combination of a wheel-supported frame and a ground-cutting element, two adjustable lifting devices mounted on said frame and operable independently of each other, and thrust-transmitting members connecting said lifting de-



vices with transversely spaced points on said cutting element, said cutting element including two blade members vertically angularly adjustable relative to each other.

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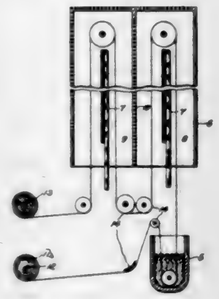
16,201. MANUFACTURE OF LAMINATED MATERIAL FROM SPINNABLE TEXTILE WOVEN FABRICS AND AN ADHESIVE BINDER. EMILE J. GUAY, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed Sept. 22, 1925. Serial No. 57,975. Original No. 1,541,641, dated June 9, 1925, Serial No. 705,111, filed Apr. 8, 1924. 3 Claims. (Cl. 154—2.)



3. In the manufacture of material of the character described from spinnable textile woven fabric and an adhesive binder, the method of applying the adhesive binder primarily to the surface of the fabric which comprises first saturating the fabric with a solution of the adhesive binder, then drying the saturated material in an initial manner so it can be readily handled, and finally drying it in a vacuum so that the rapid ebullition of the solvent will carry the adhesive binder to the surface of the material.

# DESIGNS

## NOVEMBER 3, 1925.

68,609. TWO-WAY PLUG. TONJES A. BOTH, Stratford, Conn., assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 22, 1925. Serial No. 13,184. Term of patent 14 years.

The ornamental design for a two-way plug substantially as shown.

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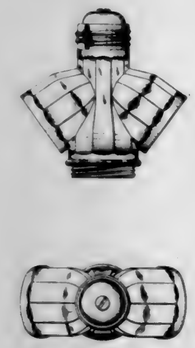
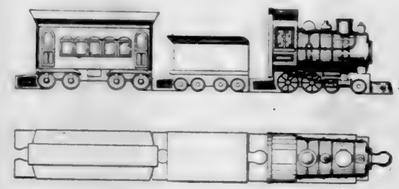
68,610. THREE-WAY PLUG. TONJES A. BOTH, Stratford, Conn., assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed June 10, 1925. Serial No. 13,726. Term of patent 14 years.



The ornamental design for a three-way plug substantially as shown.

68,611. VITREOUS TOY TRAIN. JAMES J. BRAINARD, Pittsburgh, Pa., assignor to Westmoreland Specialty Company, Grapeville, Pa., a Corporation of Pennsylvania. Filed Apr. 12, 1923. Serial No. 5,790. Term of patent 3½ years.



The ornamental design for a vitreous toy train made of glass, as shown.

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68,612. BUILDING BLOCK OR SIMILAR ARTICLE. FRANCESCO BRANCIFORTI, Folsom, N. J. Filed July 30, 1925. Serial No. 14,272. Term of patent 14 years.

The ornamental design for a building block or similar article, as shown.

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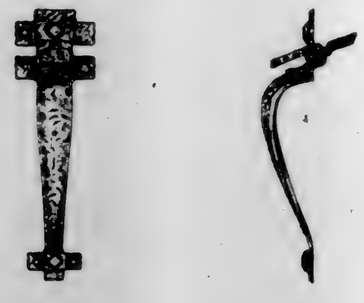
68,613. WEDDING RING. EDWARD H. CLIFFORD and RICHARD SCHUMANN, Detroit, Mich. Filed Feb. 24, 1925. Serial No. 12,477. Term of patent 3½ years.

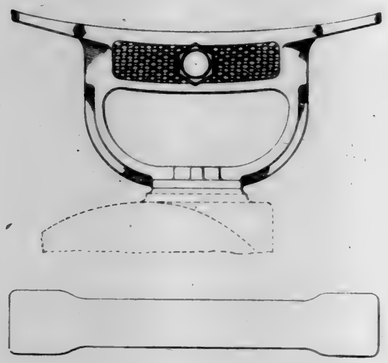
The ornamental design for a wedding ring as shown.

68,614. DOOR HANDLE. WILLIAM P. COLLINS, San Francisco, Calif. Filed Aug. 31, 1925. Serial No. 14,668. Term of patent 14 years.



The ornamental design for a door handle as shown.

68,615. HANDLE FOR A PORTABLE POWER-DRIVEN TOOL. ALONZO GALLOWAY DECKER, Towson, Md., assignor to The Black & Decker Manufacturing Company, Towson, Md., a Corporation of Maryland. Filed July 25, 1925. Serial No. 14,222. Term of patent 14 years.

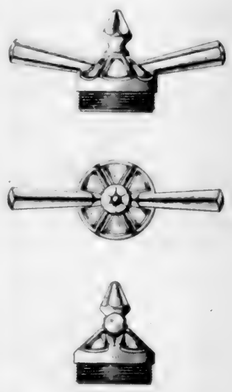


The ornamental design for a handle for a portable power-driven tool substantially as shown.

68,616. LAMP-POST. WILLIAM DILL, Rushville, Ind. Filed June 16, 1925. Serial No. 13,795. Term of patent 14 years.

The ornamental design for a lamp post substantially as shown.

68,617. RADIATOR CAP. EAMES DONALDSON, Buffalo, N. Y., assignor to The Bronzo Alumina Corporation, a Corporation of New York. Filed Aug. 10, 1925. Serial No. 14,371. Term of patent 14 years.



The ornamental design for a radiator cap, substantially as shown.



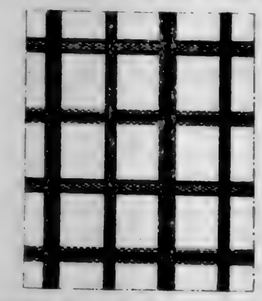
68,618. FEED-TROUGH SWITCH. JOHN B. DOWNING, Orange, N. J., assignor to Beaver Machine & Tool Co. Inc., Newark, N. J. Filed Aug. 27, 1925. Serial No. 14,608. Term of patent 7 years.

The ornamental design for a feed trough switch as shown.

68,619. CANDY UNIT. SAMUEL I. EPSTEIN, Brooklyn, N. Y. Filed Mar. 7, 1925. Serial No. 12,628. Term of patent 7 years.

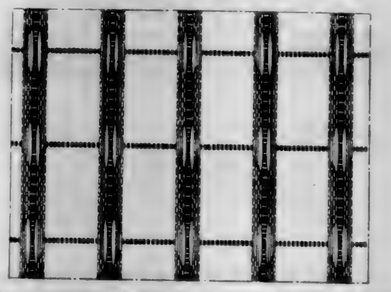
The ornamental design for a candy unit as shown.

68,620. TEXTILE FABRIC. THOMAS W. ESTES, New York, N. Y., assignor to Estes & Blum, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 30, 1925 Serial No. 13,265. Term of patent 3½ years.



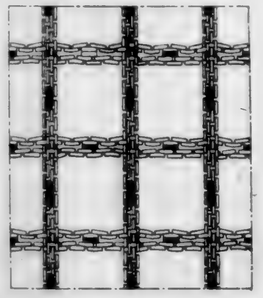
The ornamental design for a textile fabric as shown.

68,621. TEXTILE FABRIC. THOMAS W. ESTES, New York, N. Y., assignor to Estes & Blum, Inc., New York, N. Y., a Corporation of New York. Filed May 2, 1925. Serial No. 13,302. Term of patent 3½ years.



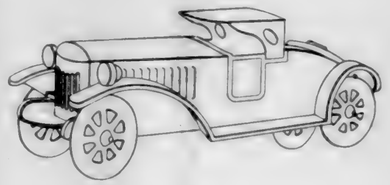
The ornamental design for a textile fabric as shown.

68,622. TEXTILE FABRIC. THOMAS W. ESTES, New York, N. Y., assignor to Estes & Blum, Inc., New York, N. Y., a Corporation of New York. Filed May 4, 1925. Serial No. 13,319. Term of patent 3½ years.



The ornamental design for a textile fabric as shown.

68,623. TOY ROADSTER. CLARENCE E. FLORKEY, Dayton, Ohio, assignor to The Schieble Toy and Novelty Company, Dayton, Ohio, a Corporation of Ohio. Filed Oct. 25, 1922. Serial No. 4,089. Term of patent 14 years.



The ornamental design for a toy roadster, as shown.

68,624. CEILING PLATE FOR LIGHTING FIXTURES. HARRY E. GOLDSTEIN, Indianapolis, Ind. Filed Aug. 1, 1925. Serial No. 14,296. Term of patent 7 years.

The ornamental design for a ceiling plate for lighting fixtures substantially as shown.

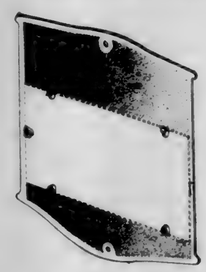
68,625. BADGE. HARRY W. HAHN, Washington, D. C. Filed June 27, 1925. Serial No. 13,926. Term of patent 3½ years.

The ornamental design for a badge, as shown.

68,626. TRAFFIC-SIGNAL STANDARD. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Aug. 11, 1924. Serial No. 10,440. Term of patent 14 years.

The ornamental design for a traffic signal standard as shown.

68,627. NAME-PLATE HOLDER. BRYSON D. HORTON, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 27, 1922. Serial No. 4,422. Term of patent 14 years.

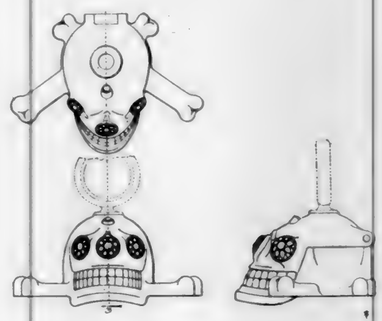


The ornamental design for a name plate holder as shown.

68,628. BADGE. BRUNO E. JACOBS, Ripon, Wis. Filed Sept. 3, 1925. Serial No. 14,702. Term of patent 14 years.

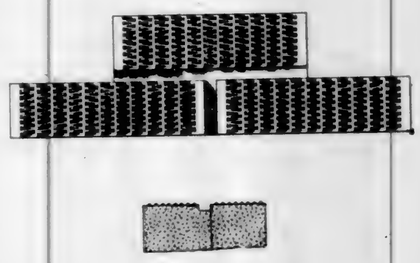
The ornamental design for a badge, as shown.

68,629. RADIATOR CAP. JOSEPH C. JUNEAU, Aurora, Ill. Filed Jan. 12, 1925. Serial No. 12,007. Term of patent 3½ years.



The ornamental design for a radiator cap, as shown.

68,630. BUILDING BLOCK. EDWARD A. LONG, Newcastle, Pa. Filed June 6, 1925. Serial No. 13,692. Term of patent 14 years.



The ornamental design for a building block, substantially as shown.



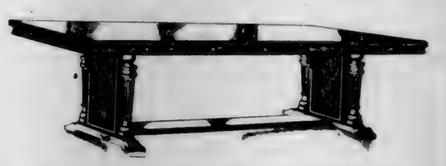
68,631. BOTTLE OR SIMILAR CONTAINER. CHARLES LIONEL MARCUS, New York, N. Y. Filed July 5, 1924. Serial No. 10,071. Term of patent 3½ years.

The ornamental design for a bottle or similar container as shown.

68,632. FINGER RING. JACK MARTIN, New York, N. Y., assignor to The Guarantee Finding Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed July 25, 1925. Serial No. 14,219. Term of patent 3½ years.

The ornamental design for a finger ring as shown.

68,633. TABLE. JOSEPH R. MCCARGAR, Grand Rapids, Mich. Filed Aug. 24, 1925. Serial No. 14,573. Term of patent 7 years.



The ornamental design for a table, substantially as shown.

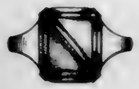
68,634. BADGE. GEORGE C. MCCARRON, Kansas City, Mo. Filed Sept. 19, 1925. Serial No. 14,834. Term of patent 14 years.

The ornamental design for a badge, as shown.

68,635. OXFORD. GEORGE MILLER, New York, N. Y. Filed Aug. 20, 1925. Serial No. 14,538. Term of patent 14 years.

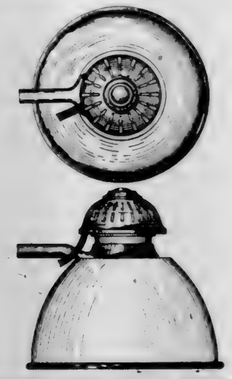
The ornamental design for an oxford, as shown.

68,636. FINGER RING. ISRAEL A. POSNER, Providence, R. I. Filed Sept. 17, 1925. Serial No. 14,803. Term of patent 7 years.



The ornamental design for a finger ring, as shown and described.

68,637. THERAPEUTIC LAMP. JAY J. REKAR, Los Angeles, Calif. Filed Oct. 20, 1924. Serial No. 11,133. Term of patent 3½ years.

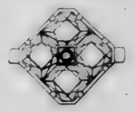


The ornamental design for a therapeutic lamp, as shown.

68,638. RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed May 16, 1925. Serial No. 13,462. Term of patent 7 years.

The ornamental design for a ring, as shown.

68,639. RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed May 18, 1925. Serial No. 13,475. Term of patent 7 years.

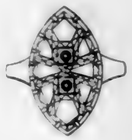


The ornamental design for a ring, as shown.

68,640. RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed May 18, 1925. Serial No. 13,476. Term of patent 7 years.

The ornamental design for a ring, as shown.

68,641. GEM-SET RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed July 16, 1925. Serial No. 14,113. Term of patent 7 years.



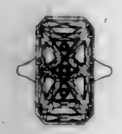
The ornamental design for a gem-set ring, as shown.



68,642. FINGER RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed July 16, 1925. Serial No. 14,114. Term of patent 7 years.

The ornamental design for a finger ring, as shown.

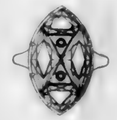
68,643. FINGER RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed Aug. 29, 1925. Serial No. 14,636. Term of patent 7 years.



The ornamental design for a finger ring, as shown.

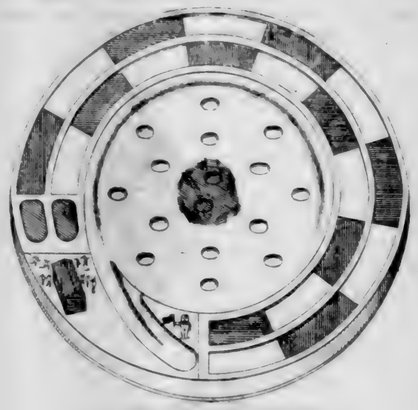


68,644. GEM-SET FINGER RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed Aug. 29, 1925. Serial No. 14,637. Term of patent 7 years.



The ornamental design for a gem-set finger ring, as shown.

68,645. GAME BOARD. FRANK S. RODE, Jeannette, Pa. Filed Jan. 18, 1923. Serial No. 4,931. Term of patent 7 years.

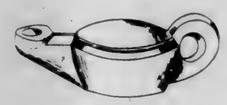


The ornamental design for a game board, as shown.

68,646. WALKING CANE. ERNEST H. ROSS, Iowa City, Iowa. Filed July 6, 1925. Serial No. 14,005. Term of patent 14 years.

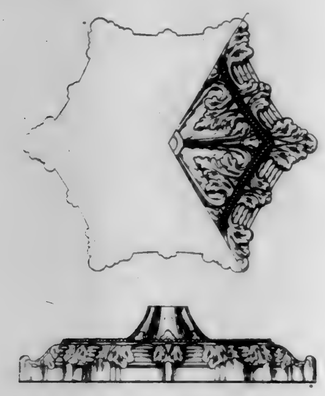
The ornamental design for a walking cane, as shown.

68,647. RECEPTACLE FOR SKIN CREAM. CONRAD SCHÜMMELFEDER, Osnabruck, Germany. Filed Sept. 10, 1925. Serial No. 14,745. Term of patent 14 years.



The ornamental design for a receptacle for skin cream as shown.

68,648. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 12,987. Term of patent 3½ years.

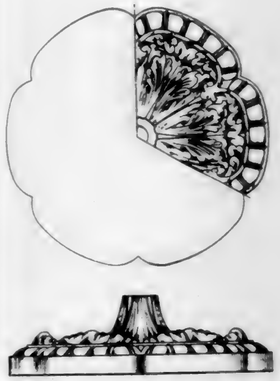


The ornamental design for a lamp base as shown.

68,649. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 12,988. Term of patent 3½ years.

The ornamental design for a lamp base as shown.

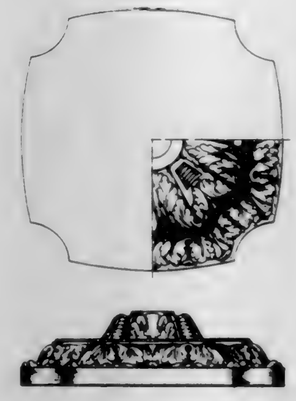
68,650. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 12,989. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

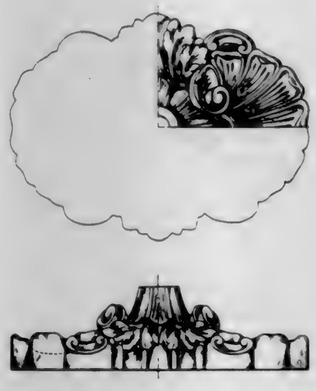


68,651. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 12,990. Term of patent 3½ years.



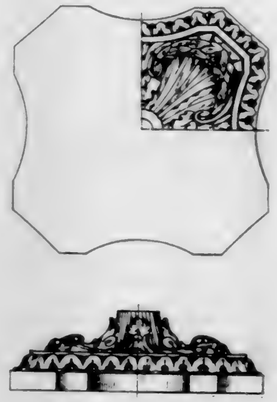
The ornamental design for a lamp base as shown.

68,652. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 12,991. Term of patent 3½ years.



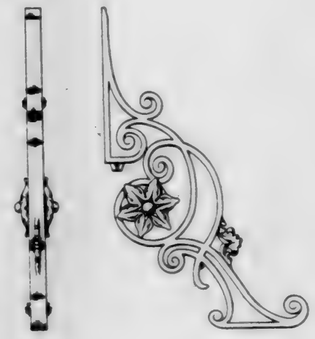
The ornamental design for a lamp base as shown.

68,653. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 12,992. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

68,654. LAMP BRACKET. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 12,993. Term of patent 3½ years.



The ornamental design for a lamp bracket as shown.

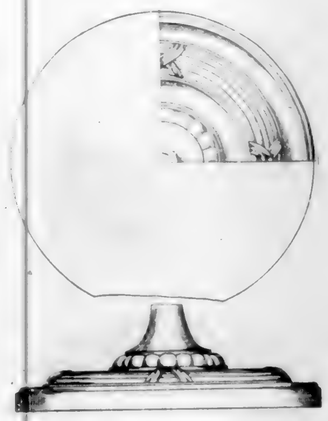
68,655. LAMP BRACKET. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 12,994. Term of patent 3½ years.

The ornamental design for a lamp bracket as shown.

68,656. LAMP BRACKET. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 12,995. Term of patent 3½ years.

The ornamental design for a lamp bracket as shown.

68,657. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 12,996. Term of patent 3½ years.



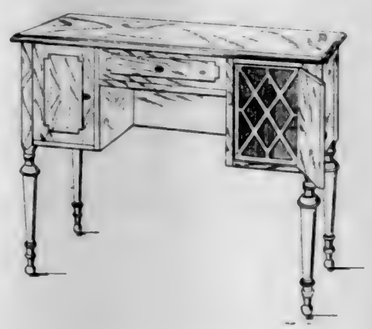
The ornamental design for a lamp base, as shown.

68,658. LIGHTING-FIXTURE PART. PAUL SIPTROTT, New York, N. Y., assignor to Royal Metal Lighting Fixture Company, Inc., a Corporation of New York. Filed Sept. 16, 1925. Serial No. 14,799. Term of patent 3½ years.

The ornamental design for a lighting fixture part, as shown and described.

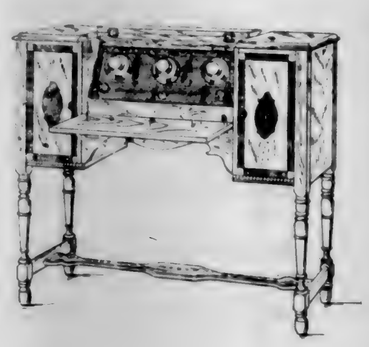


68,659. RADIOTABLE. CHARLES B. SMITH, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Aug. 5, 1925. Serial No. 14,321. Term of patent 7 years.



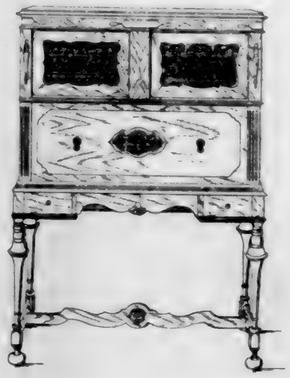
The ornamental design for a radio table substantially as shown.

68,660. CONSOLE RADIORECEIVER. CHARLES B. SMITH, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Aug. 5, 1925. Serial No. 14,322. Term of patent 7 years.



The ornamental design for a console radio receiver substantially as shown.

68,661. CONSOLE RADIOCABINET. CHARLES B. SMITH, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Aug. 5, 1925. Serial No. 14,323. Term of patent 7 years.



The ornamental design for a console radio cabinet substantially as shown.

68,662. CHAIR. WILLIAM A. SNOW, Winchester, Mass. Filed Aug. 17, 1925. Serial No. 14,497. Term of patent 14 years.

The ornamental design for a chair, as shown.

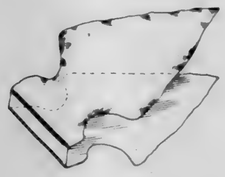
68,663. ARM CHAIR. WILLIAM A. SNOW, Winchester, Mass. Filed Aug. 17, 1925. Serial No. 14,498. Term of patent 14 years.

The ornamental design for an arm chair as shown.

68,664. TABLE. WILLIAM A. SNOW, Winchester, Mass. Filed Aug. 17, 1925. Serial No. 14,499. Term of patent 14 years.

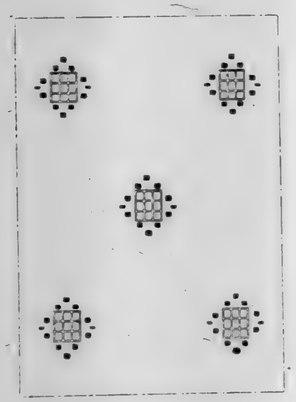
The ornamental design for a table as shown.

68,665. BOOKLET COVER. FRED F. SOWL, Duluth, Minn. Filed June 19, 1925. Serial No. 13,827. Term of patent 7 years.



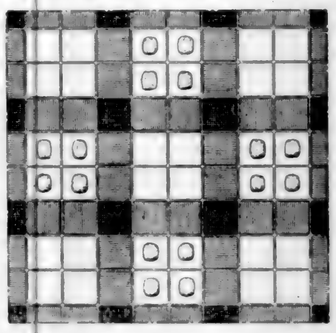
The ornamental design for a booklet cover, as shown.

68,666. TEXTILE FABRIC. IRA STRAUSS, New York, N. Y., assignor to Rosenstein-Strauss Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 13, 1925. Serial No. 14,405. Term of patent 7 years.



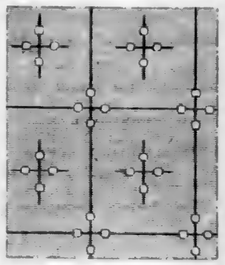
The ornamental design for a textile fabric, as shown.

68,667. TEXTILE FABRIC. IRA STRAUSS, New York, N. Y., assignor to Rosenstein-Strauss Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 13, 1925. Serial No. 14,406. Term of patent 7 years.



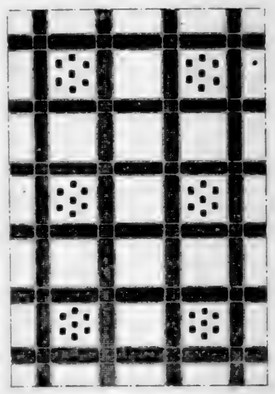
The ornamental design for a textile fabric, as shown.

68,668. TEXTILE FABRIC. IRA STRAUSS, New York, N. Y., assignor to Rosenstein-Strauss Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 13, 1925. Serial No. 14,408. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

68,669. TEXTILE FABRIC. IRA STRAUSS, New York, N. Y., assignor to Rosenstein-Strauss Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 13, 1925. Serial No. 14,409. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.



68,670. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Sept. 19, 1925. Serial No. 14,825. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

68,671. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Sept. 19, 1925. Serial No. 14,826. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

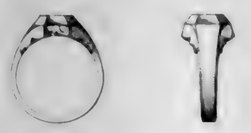
68,672. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Sept. 19, 1925. Serial No. 14,827. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

68,673. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Sept. 19, 1925. Serial No. 14,828. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

68,674. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Sept. 19, 1925. Serial No. 14,829. Term of patent 3½ years.

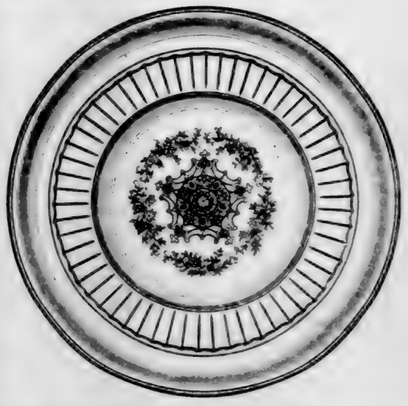


The ornamental design for a finger ring, as shown.

68,675. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Sept. 19, 1925. Serial No. 14,830. Term of patent 3½ years.

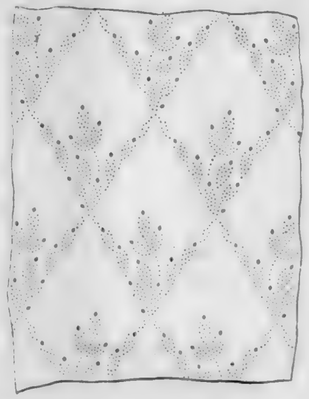
The ornamental design for a finger ring, as shown.

68,676. PLATE OR SIMILAR ARTICLE. HOMER J. TAYLOR, East Liverpool, Ohio. Filed Sept. 17, 1925. Serial No. 14,800. Term of patent 7 years.



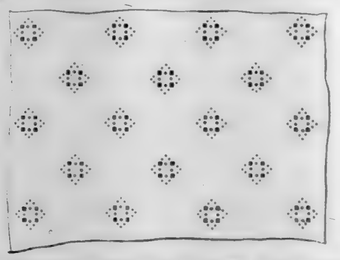
The ornamental design for a plate or similar article, as shown.

68,677. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,610. Term of patent 3½ years.



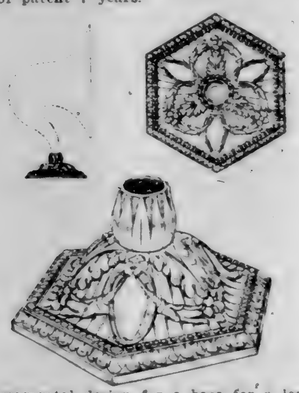
The ornamental design for flocked voile fabric, as shown.

68,678. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,613. Term of patent 3½ years.



The ornamental design for flocked voile fabric, as shown.

68,679. BASE FOR A LOUD SPEAKER. WALTER VAN GUILDER, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed July 3, 1925. Serial No. 13,986. Term of patent 7 years.

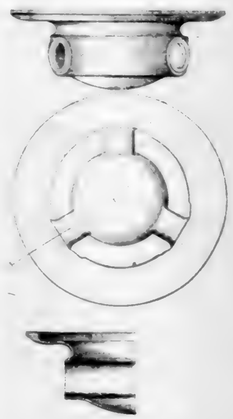


The ornamental design for a base for a loud speaker substantially as shown.

68,680. LIGHTING FIXTURE. WALTER VON NESSEN, Brooklyn, N. Y., assignor to Efcolite Corporation, a Corporation of New York. Filed Sept. 11, 1925. Serial No. 14,757. Term of patent 3½ years.

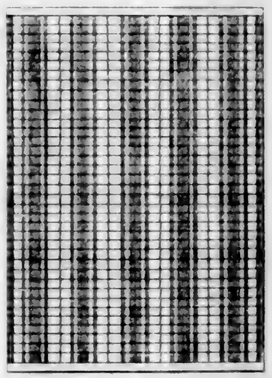
The ornamental design for a lighting fixture, substantially as shown.

68,681. LIGHTING FIXTURE. WALTER VON NESSEN, Brooklyn, N. Y., assignor to Efcolite Corporation, a Corporation of New York. Filed Sept. 11, 1925. Serial No. 14,756. Term of patent 3½ years.



The ornamental design for a lighting fixture, substantially as shown.

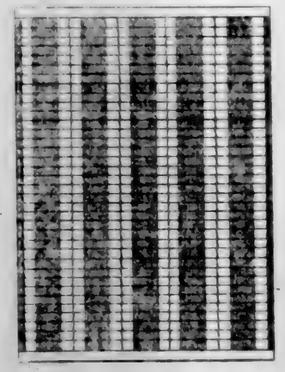
68,682. PORCH SHADE. GEORGE A. WALKER, Waukesha, Wis. Filed Sept. 15, 1924. Serial No. 10,777. Term of patent 7 years.



The ornamental design for a porch shade as shown and described.

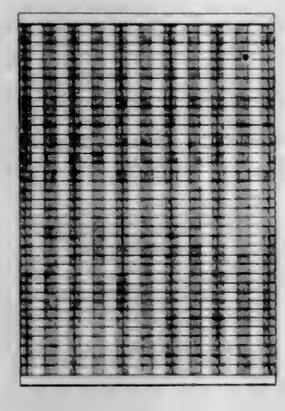


68,683. PORCH SHADE. GEORGE A. WALKER, Waukesha, Wis. Filed Sept. 15, 1924. Serial No. 10,778. Term of patent 7 years.



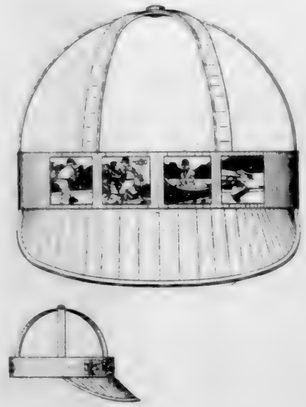
The ornamental design for a porch shade as shown and described.

68,684. PORCH SHADE. GEORGE A. WALKER, Waukesha, Wis. Filed Sept. 15, 1924. Serial No. 10,779. Term of patent 7 years.



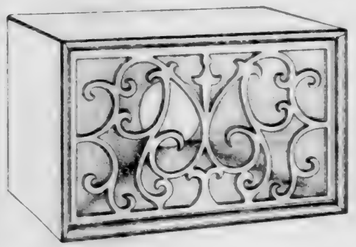
The ornamental design for a porch shade as shown and described.

68,685. CAP. EMIL B. WEINROTT and LESTER A. WEINROTT, Moline, Ill. Filed Aug. 15, 1925. Serial No. 14,432. Term of patent 7 years.



The ornamental design for cap as shown.

68,686. CABINET FOR LOUD-SPEAKER RADIORE-PRODUCERS. CHARLES D. WHITE, East Orange, N. J., assignor to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Aug. 29, 1925. Serial No. 14,632. Term of patent 14 years.

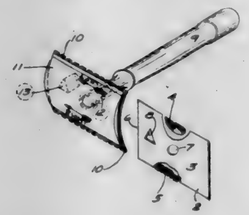


The ornamental design for a cabinet for loud speaker radio reproducers as shown.

# PATENTS

## GRANTED NOVEMBER 3, 1925.

1,559,536. SAFETY RAZOR. WILLIAM H. ALDEN, Jr., Bryn Athyn, Pa. Filed Dec. 22, 1921. Serial No. 524,240. 4 Claims. (Cl. 30—12.)



1. In a safety razor of the hoe type the combination of a holder and a double-edged blade, the blade having both edges sharpened with a rake toward the same end, and interlocking means between the blade and the holder insuring mounting of the blade upon the holder with the rake always in the same direction, and means to indicate to the user the direction in which said rake extends.

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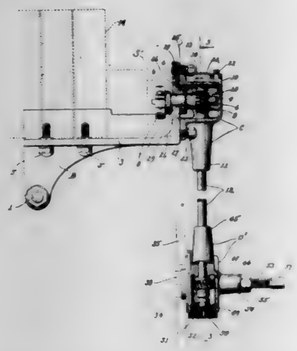
1,559,537. MAGNETO DRIVING CONNECTION FOR GAS ENGINES. FREDERICK W. ANDREW, Brooklyn, N. Y., assignor to Eisemann Magneto Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Sept. 30, 1922. Serial No. 591,482. 23 Claims. (Cl. 123—149.)



5. In combination with a gas engine, a polygonal member fixed on the engine shaft near the projecting outer end thereof, a gear on the projecting end of said shaft, means for coupling said gear to said member, said means being slidable on said shaft into and out of engagement with said member, a magneto associated with the engine, and driving connections between said gear and the magneto.

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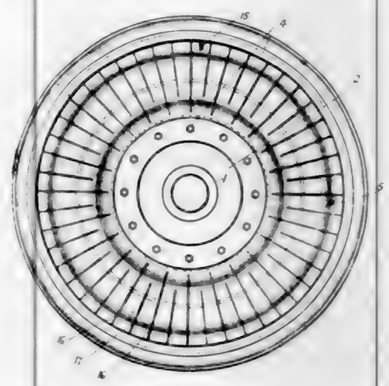
1,559,538. DISK WHEEL. STERLING W. ALDERFER, Akron, Ohio. Filed Dec. 19, 1923. Serial No. 681,509. 9 Claims. (Cl. 301—63.)

1. In a wheel construction, a hub, an intermediate disk and a tire carrying rim supported upon the outer periphery of the disk, the disk being reversely curved in radial cross-section and provided with a plurality of open radial slots extending from adjacent the rim to



adjacent the bolt circle, and open slots intermediate the first named slots but terminating short of the inner ends thereof.

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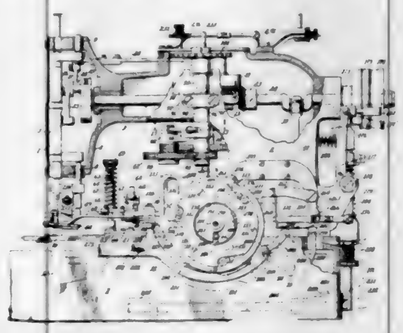
1,559,539. BUTTONHOLE-SEWING MACHINE. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed July 23, 1921. Serial No. 487,001. 24 Claims. (Cl. 112—73.)

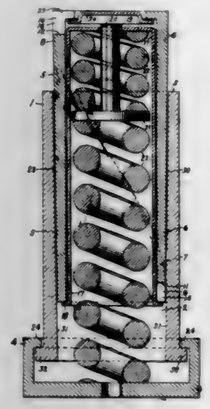


1. In a buttonhole sewing machine, the combination with stitch-forming mechanism, a work-holder, and means for relatively moving them to sew about a buttonhole, of an auxiliary rotary control element stationary during the sewing, a continuously rotating power element, a clutch connection between said elements for causing the rotary control element to turn with a continuous motion for a partial rotation prior to sewing and for a second partial rotation subsequent to sewing, each of said partial rotations being followed by a period of rest, devices auxiliary to the stitch-forming mechanism in the buttonhole producing cycle, and means driven by said rotary control element and connections for operating said devices.





1,559,540. DRAFT GEAR. WALTER M. AUSTIN, Swissvale, Pa. Filed June 17, 1920. Serial No. 389,605. 24 Claims. (Cl. 213—23.)



1. A draft gear comprising a housing having a tapered interior bore, two oppositely disposed resilient friction members the engaging surfaces of which have a large pitch and a resilient member disposed between one end of the housing and the corresponding end of one of the resilient friction members.

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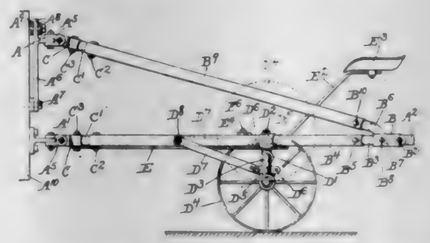
1,559,541. TRAILER FOR TRACTORS. WILLIAM I. BALLENTINE, La Porte, Ind., assignor to Advance-Rumely Company, La Porte, Ind., a Corporation of Indiana. Filed Feb. 6, 1922. Serial No. 534,429. 16 Claims. (Cl. 280—33.44.)



1. A tractor draw bar trailer comprising a plurality of superposed A frames, means for pivoting them at their apices to the tractor and at their rear ends to each other, a rotatable axle secured to the lower of said A frames, offset portions at each end thereof, wheels secured to said offset portions, and means for rotating said axle to raise and lower said wheels.

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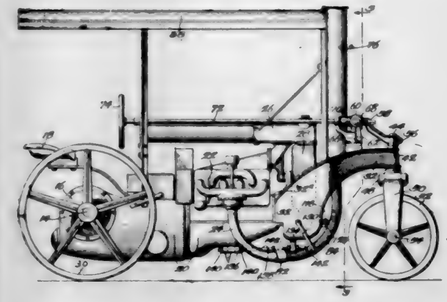
1,559,542. THREE-WHEEL ROAD ROLLER. WILLIAM T. BEATTY, Flossmoor, and FRANK S. DAVIS, Homewood, Ill., said Davis assignor to Austin Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 11, 1922. Serial No. 606,184. 9 Claims. (Cl. 180—20.)

1. In a machine of the class described, a pair of spaced rear rollers, a front roller in advance of the rear rollers, an engine mechanism for propelling the machine, having a case sustained by the rear rollers and extending toward the front roller, a separate frame secured to the front portion of the engine case, operatively connected to the front roller, the frame being hollow adjacent to the engine case, an engine crank shaft in the



case with its end projecting inside the frame, and means operable from the side of the frame for manually turning the crank shaft.

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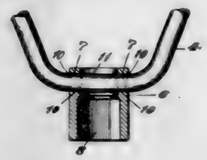
1,559,543. METHOD OF ATTACHING A TOOL HEAD TO ITS HANDLE. FRANKLIN HUBBARD BELLOWS, Worcester, Mass., assignor to Walden-Worcester, Incorporated, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 9, 1922. Serial No. 580,624. 4 Claims. (Cl. 76—114.)



1. The method of making a tool comprising forming a tool head having an opening therethrough, positioning a handle in said opening with its end portions extending beyond the surface of the head, and bending said end portions in such manner as to distort the intermediate portion within the opening whereby to restrain movement of the tool head thereon.

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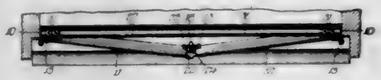
1,559,544. CASEMENT WINDOW. CHARLES S. BOCK, Chicago, Ill., assignor to Andrew Hoffman Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 21, 1923. Serial No. 675,992. 8 Claims. (Cl. 189—69.)

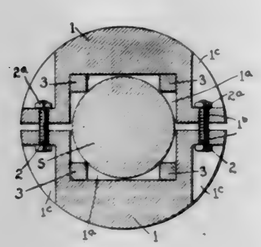


3. In a casement window, a frame, two pivotally connected sashes, and a plurality of fixtures having portions associated with the frame for sliding movement of the fixtures in substantially fixed relation to a plane of the frame and resiliently flexible portions associated with the sashes for swinging movement of the sashes about pivotal axes on the fixtures.

1,559,545. SLIDE FOR FURNITURE AND THE LIKE. ROBERT S. BOOTH, Waterbury, Conn., assignor to Berbecker & Rowland Manufacturing Company, Waterville, Conn., a Corporation of Connecticut. Filed Nov. 29, 1921. Serial No. 518,535. 4 Claims. (Cl. 16—42.)

1. The combination with an article of furniture, of a slide member connected thereto, said slide member comprising a disk having an annular portion providing a convexity designed to form an annular bearing surface, the upper edge of said annular portion being adapted to contact the article of furniture for receiving the loads at all points on said upper edge, said disk being provided with a central portion forming a convexity, the upper surface of which is spaced from the article of furniture and the undersurface of which is spaced from the bearing surface and from the floor, and means involving a centrally located member having one end connected to the central portion of the disk forming the convexity, and the other end secured to the article of furniture, said member being adapted to transmit a portion of the load to the central convexity of the disk.

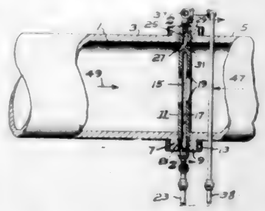
1,559,546. SHAFT COUPLING. JESSE L. BOSKET, Binghamton, N. Y. Filed Sept. 29, 1922. Serial No. 591,409. 2 Claims. (Cl. 287—111.)



1. A shaft coupling, comprising two complemental members adapted to surround the abutting ends of two aligned shafts, each member having an angular longitudinal groove in its inner face of greater width than the diameters of the shafts, and adapted to loosely receive the shafts: means for forcibly drawing the members together: angular changeable keys adapted to be placed in the angles of said grooves, and when so placed one of the angular portions of each of said keys being adapted to engage the related angle of said groove, and another angular edge of each key to bite the shafts when said members are drawn together, substantially as described.

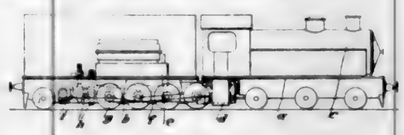
1,559,547. PRESSURE-RESPONSIVE DEVICE. FRANCIS H. BROWN, Glen Olden, Pa. Filed Mar. 25, 1920. Serial No. 368,665. Renewed May 10, 1923. 17 Claims. (Cl. 73—167.)

1. A device of the character described, comprising a plate having an orifice therein, a circumferential groove in said plate communicating with said orifice, a port extending through said plate from the periphery thereof to said groove, a port extending from the periphery of said plate having a mouth opening at one face of



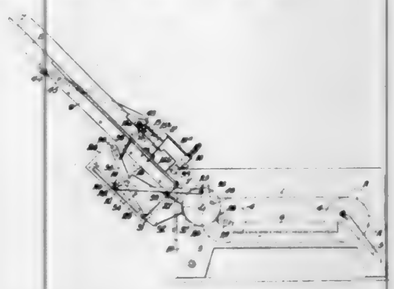
said plate, and a port extending from the periphery of said plate having a mouth opening at the opposite face of said plate.

1,559,548. COMBINED STEAM AND INTERNAL COMBUSTION ENGINE LOCOMOTIVE. JACOB BUCHLI, Winterthur, Switzerland. Filed Dec. 4, 1924. Serial No. 753,774. 2 Claims. (Cl. 105—62.)



1. A combined steam and internal combustion engine locomotive in which the steam generator is supported upon one vehicle unit or truck and the steam and internal combustion engine cylinders together with their joint power transmission mechanism are carried by a separate truck or vehicle.

1,559,549. AUTOMATIC FEEDING DEVICE FOR PRINTING PRESSES. CHARLES ASHTON HENRY BULLOCK, London, England. Filed July 23, 1923. Serial No. 653,313. 5 Claims. (Cl. 271—21.)



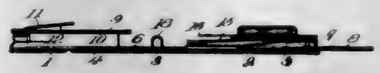
1. A feeding device for printing machines, comprising a magazine whereon the paper to be fed is supported, a supporting slip adapted to engage the bottom edge of the stack of sheets of paper, means for releasing automatically the supporting clip when about to feed the top sheet, means for holding the sheets firmly at a point adjacent one of the lower corners of the upper sheet, means adapted to be periodically moved across and in contact with such lower corners of the top sheet whereby the sheet is buckled between such corner and the point where it is held and removed from beneath the supporting clip which is again returned to a position in engagement with the sheets and means for feeding the upper sheet forward into the machine when such sheet has been released from the buckling and holding means.



1,559,550. ATTACHMENT FOR EYEGLASSES. HOUSTON M. CARROLL, Sr., San Antonio, Tex. Filed Jan. 26, 1924. Serial No. 688,743. 2 Claims. (Cl. 88—55.)

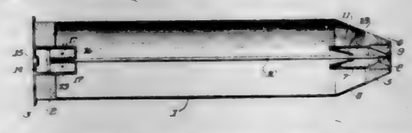
1. The combination with a pair of glasses including a bridge of a nose-engaging prop including a shank carried by the bridge, and a transverse foot on the lower end of the shank and extended in opposite directions on both sides of the shank, the nose-engaging prop slanting downwardly and outwardly with respect to the lens-plane of the glasses, and the foot being curved to fit upon the nose of the wearer of the glasses.

1,559,551. PORTFOLIO. NICK CHIVILY, New York, N. Y. Filed July 14, 1924. Serial No. 725,844. 2 Claims. (Cl. 150—34.)



1. A portfolio of book form comprising cover portions and a transverse hinge portion, the ends of said cover portions being bent back and extending to a point adjacent said hinge to reinforce said cover portions, a flexible lining superimposed upon said cover portions and hinge portion, the lining being fixed at one end to one said cover portion, the other end of said lining being free from said second cover portion, whereby a pocket is formed between said lining and said second cover portion, transverse strips attached to the ends of said lining to form pockets for the reception of stationery, said transverse strips being provided with a plurality of straps to receive stationery accessories.

1,559,552. FIREARM CARTRIDGE FOR SCENIC EFFECTS. BRUCE E. CLARKE, Kansas City, Mo. Filed Feb. 26, 1925. Serial No. 11,625. 14 Claims. (Cl. 102—12.)

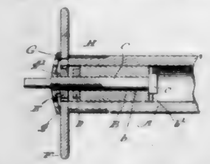


1. In a cartridge for spectacular effects, a chamber for smoke-simulating medium, a reservoir for gaseous expelling medium, and means for releasing said smoke-simulating medium and expelling medium at will.

10. In a cartridge of substantially the character described, a body portion, a thrust rod, a piston on said thrust rod, a cylinder surrounding said piston, and a gas generator in position to deliver gas under pressure to said piston.

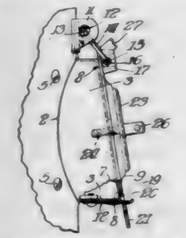
1,559,553. JACK SPOOL. HARRY D. CLINTON, Johnson City, N. Y. Filed June 19, 1925. Serial No. 38,351. 6 Claims. (Cl. 242—124.)

1. The combination, in a device of the character described, of a barrel having a bushing inserted in one end thereof, said bushing having a longitudinal opening therethrough and a recess at the inner end thereof extending across said opening, a bolt inserted in said opening having an intermediate threaded portion and an oblong head on its inner end fitting in said recess, the free end of said bolt projecting beyond the outer end of said bushing, a nut screwed on said bolt so as to draw said head into said recess, a second nut screwed on said bolt adjacent the first named nut, a disk-like device screwed on said bolt adjacent said second nut, and a spool-



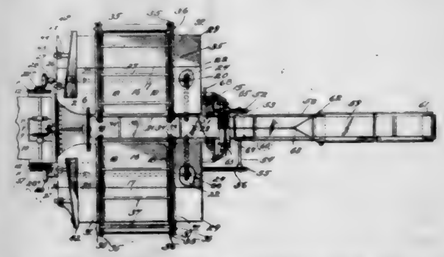
head interposed between said second nut and said device said head having a central polygonal opening therein fitting over said second nut so as to cause the nut and head to rotate together; said device having a centrally disposed part adapted to contact with said second nut and a peripheral portion adapted to contact with the outer side of said head for clamping the latter tightly against the end of said barrel.

1,559,554. DOOR STRUCTURE FOR HEATERS. EDWARD P. COLE, Chicago, Ill., assignor to Cole Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 14, 1923. Serial No. 674,634. 15 Claims. (Cl. 126—190.)



1. In a heater, the combination of a door, a seat against which the door closes, means for supporting the door comprising a door hinge having a laterally shiftable axis, and a door fastener adapted to exert a tension on the door for shifting the hinge axis to clamp the door against the seat.

1,559,555. KAFIR-CORN FEEDING AND HEADING MACHINE. JOSEPH E. CROWN and JOHN R. HAINING, Agra, Kans., assignors of one-third to W. C. Whitney, Agra, Kans. Filed Dec. 10, 1923. Serial No. 679,635. 4 Claims. (Cl. 130—27.)



1. The combination with a machine having threshing mechanism at its front end and a hood overlying such mechanism and provided with a mouth at its front end,

of a rotary cutter bridging such mouth and in shearing relation to the upper and lower edges thereof, and a pair of inwardly travelling side conveyors adjacent and spaced apart at their inner ends a distance less than the diameter and terminating at opposite sides of the axial plane of the cutter; said hood having side extensions for its mouth to permit the heads of grain carried to opposite edges of the cutter by the conveyors, to enter the hood.

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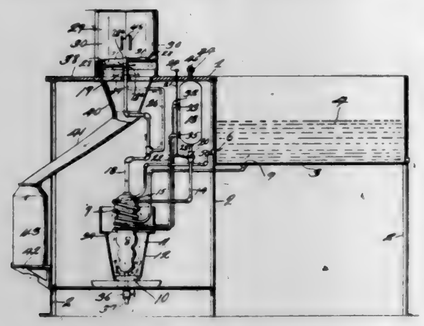
1,559,556. MILK-CAN CLEANER AND STERILIZER. JAMES A. DARY, Ottawa, Kans. Filed Feb. 14, 1922. Serial No. 536,439. 2 Claims. (Cl. 141—7.)



1. A can washing device comprising a table, a cylindrical casing disposed on said table, said casing being formed from segmentally shaped independently movable sections, a water supply pipe at one side of the casing, perforated horizontally disposed pipes pivotally connected to the water supply pipe and adapted to receive water therefrom, said horizontally disposed perforated pipe being secured to the casing sections and a pipe extending upwardly through the table into the casing.

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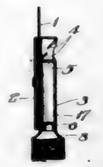
1,559,557. OPHTHALMOSCOPE. HENRY L. DE ZENG, Moorestown, N. J., assignor to De Zeng Standard Company, Camden, N. J., a Corporation of New Jersey. Filed Oct. 19, 1922. Serial No. 595,494. 19 Claims. (Cl. 88—20.)

1. In an instrument of the character described, a reflector, a source of light in line therewith, a translucent member adjacent to the light source, and a light condensing system comprising two condensing lenses mounted in fixed spaced relation to each other, one lens being positioned at approximately its focal length from said translucent member and the second lens positioned between the first lens and the reflector.

1,559,558. DIAGNOSTIC INSTRUMENT. HENRY L. DE ZENG, Moorestown, N. J., assignor to De Zeng Standard Company, Camden, N. J., a Corporation of New Jersey. Filed Feb. 15, 1923. Serial No. 619,085. 3 Claims. (Cl. 88—20.)



1. In a diagnostic instrument, a handle, a source of light, a body portion having a sight opening, a reflector adjacent to said sight opening, a casing in line with said light source and said reflector and connected with said body portion, a condensing lens in said casing and interchangeable couplings for connecting said handle with said casing, one or more of said couplings containing different light controlling means.

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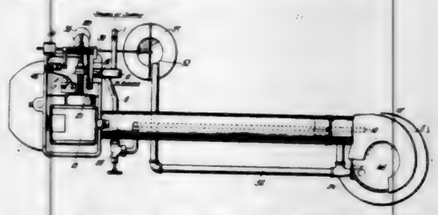
1,559,559. OIL BURNER. ROBERT L. DORAN, Chicago, Ill. Filed June 24, 1925. Serial No. 39,290. 5 Claims. (Cl. 158—28.)



1. In a burner of the class described, a cylindrical burner-head closed at the bottom and having an opening at the top of less diameter than the diameter of the burner-head, and a fuel and air inlet entering the side of the burner-head in a tangential direction in order to produce a swirling head and to the flame, said fuel and air inlet comprising a conduit for air and a conduit for fuel inside the air conduit, said air conduit terminating in a nozzle gradually reduced in diameter toward its discharge end, said nozzle being formed to provide a receiving pocket for the unatomized fuel at its lower side, a fuel operated shut-off device for the fuel, and a conduit leading from said pocket to said fuel operated shut-off device.

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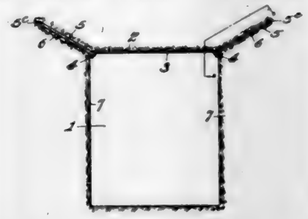
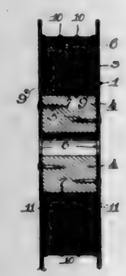
1,559,560. ROOF SUPPORT FOR MINES. WALTER H. DOUGHTY, Martins Ferry, Ohio. Filed Feb. 11, 1924. Serial No. 691,866. 2 Claims. (Cl. 61—45.)



1. A roof support for mines comprising a metal bar for closely underlying the roof, said bar having downwardly extending hook-like end terminals, and an anchor-like suspension rod adapted to be engaged with said terminals and embedded in diagonally extending directions in the mine walls.



1,559,561. REEL FOR TAPE AND LIKE TEXTILES. FREDERICK EDINGER and ALBERT J. GELOW, Three Oaks, Mich., assignors to Warren Featherbone Company, Three Oaks, Mich., a Corporation of Michigan. Filed Aug. 27, 1923. Serial No. 659,490. 4 Claims. (Cl. 206—59.)



1. A reel for narrow textiles comprising a relatively stationary molder consisting of a cylindrical body having end walls extending beyond the periphery thereof, and a core rotative on said body, and provided with radial partition walls spaced apart longitudinally of said core, and forming a plurality of spaces therebetween, and slits cut in the partition walls intermediate said spaces whereby a plurality of unsevered bolts may be wound on to said core.

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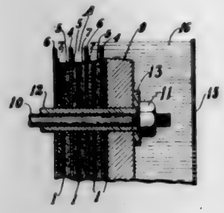
1,559,562. STORAGE BATTERY. THOMAS A. EDISON, West Orange, N. J. Filed May 25, 1923. Serial No. 641,868. 8 Claims. (Cl. 136—146.)



1. Means for separating the electrode elements of storage battery cells comprising a member formed of asbestos and containing a carbonate adapted to be subsequently eliminated to thereby increase the porosity of the member, substantially as described.

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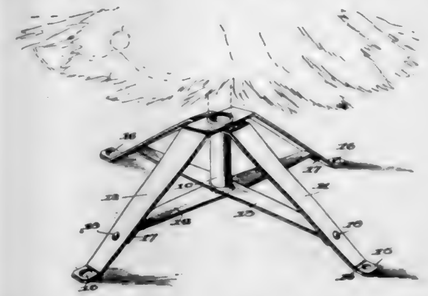
1,559,563. TREE STAND. GEORGE EDMISTER, Lincoln, Nebr. Filed May 26, 1925. Serial No. 32,980. 3 Claims. (Cl. 248—38.)

1. A tree stand including inverted U-shaped supporting arms crossing one another at their centers and having depending extensions provided with outer angular feet, brace arms also crossing one another at their centers and extending horizontally between the extensions of the supporting arms and rigidly attached thereto, and a



tubular holder mounted centrally and vertically through the crossing central portions of the supporting and brace arms.

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1,559,564. METHOD OF TREATING PIPE AND BOILER COVERINGS. ALVIN M. EHRET, Mount Airy, Pa. Filed Apr. 6, 1925. Serial No. 21,207. 3 Claims. (Cl. 154—28.)

1. The method of treating pipe and boiler covering composed of carbonate of magnesia and asbestos fibres which consists in treating the same with a solution of bicarbonate of magnesia.

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1,559,565. COLLAPSIBLE TUBE CONTAINER. FREDERICK E. FARNUM, Boston, Mass. Filed July 7, 1925. Serial No. 41,964. 4 Claims. (Cl. 221—60.)

1. A collapsible container for paste or the like embracing in its construction a tubular body of flexible sheet material having a discharge orifice at one end and having its opposite end edges clamped between a sealing strip, said strip comprising an elongated blank of thin sheet metal folded along a medial line to embrace the end edge portion of the tube and being provided at one end with a pivotally attached handle arranged to swing from infolded position against the clamping strip to extended position to serve as a handle.

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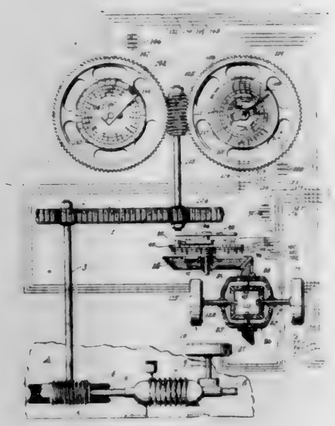
1,559,566. MEANS FOR CONTROLLING THE MOVEMENTS OF ORDNANCE MEMBERS, SIGHTING INSTRUMENTS, AND THE LIKE. STEPHEN A. FARRELL, Brooklyn, N. Y., and MALCOM R. MCNEILL, Chicago, Ill., assignors to Automatic Gun Control Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Dec. 18, 1919. Serial No. 345,909. 32 Claims. (Cl. 89—41.)

1. In apparatus of the class described, in combination, a member to be trained, turret operating means, gyro-

scopic means operating on said member to be trained to control the movements thereof to compensate for undesirable movements



of the vessel, gyroscopically operated contacts for controlling the action of said motor, and manually controlled means operable jointly with at least one of said gyroscopically controlled means for controlling the movements of the respective movable element.

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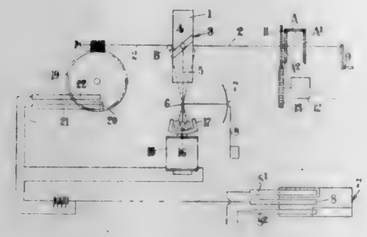
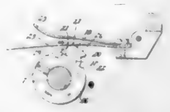
1,559,567. RELAY AND THE LIKE. JAMES WEIR FRENCH, Glasgow, Scotland, assignor to Barr and Stroud, Limited, Glasgow, Scotland. Filed Dec. 22, 1923. Serial No. 682,285. 11 Claims. (Cl. 172—237.)



1. A relay system having transmitter mechanism and following mechanism, the transmitter mechanism comprising a displaceable device displaceable about a position of synchronism by rotation to an unlimited extent, two motive elements, one capable of displacing said device, the other capable of replacing said device, a control element displaceable about a mean position through the intermediary of the displaceable device, and retaining means for the control element, for the purposes set forth.

1,559,568. LOOPER-THREAD-CONTROLLING MECHANISM. GEORGE S. GATCHELL, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Mar. 27, 1922. Serial No. 547,278. 8 Claims. (Cl. 112—248.)



1. In a sewing machine, an oscillatory shaft, a thread-nipper, and a nipper operating toggle element pivotally connected to said shaft and having a wiping engagement with said thread-nipper.

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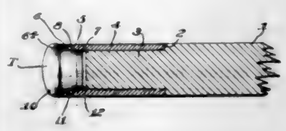
1,559,569. BILLIARD CUE. GEORGE GERENDA, Duquesne, Pa. Filed June 23, 1925. Serial No. 39,027. 3 Claims. (Cl. 273—68.)



2. The combination in a billiard cue of a wooden shaft, a metal ferrule adapted to be retained on the forward end thereof, said ferrule having an open flaring end and a double diameter bore therethrough, and a resilient tip having a cylindrical base portion adapted to fit into the smaller bore of the ferrule, and an enlarged head portion adapted to bear against the flaring forward edge of the ferrule.

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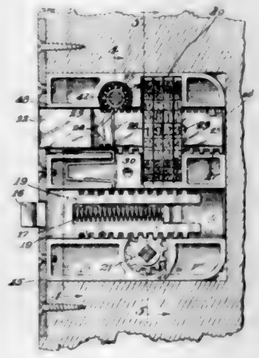
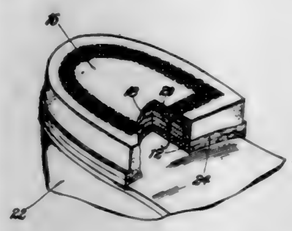
1,559,570. PERMUTATION LOCK. PIOTR GIBA, Chicago, Ill. Filed May 23, 1925. Serial No. 32,440. 7 Claims. (Cl. 70—53.)



1. In a lock of the class described, guide members, permutation disks thereupon, said permutation disks being adapted for rotary movement upon said guide members, a bolt within said guide members, said guide members remaining stationary in respect of said bolt, teeth upon said bolt, and means within said permutation disks engaging said teeth for holding the bolt locked.



1,559,571. ART OF HEEL ATTACHING. JOHN B. HADAWAY, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 7, 1925. Serial No. 1,109. 4 Claims. (Cl. 12—147.)



1. That method of producing a tight edge joint between a heel top section made of material subject to shinkage and a heel base section which consists in forming upon the outer face of the heel base section a protuberant portion of sufficient height to fill the space in the attaching face of the top section created by shrinkage, and attaching the top and base sections, in register with each other, to a shoe.

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1,559,572. METHOD OF PRODUCING ENAMELED METAL SIGNS. CHARLES KAPNER, Bellaire, Ohio. Filed June 12, 1925. Serial No. 36,677. 3 Claims. (Cl. 41—26.)

1. The method of producing enameled metal signs, which consists in shaping a single sheet metal blank to form a pair of parallel bars and sign characters of skeleton form between and united at their ends to said bars, and then successively applying to said bars and characters a base coating of enamel, baking said coating, applying a second coating of enamel in the color to be borne by said bars, firing this second coating, applying a third coating of enamel in a contrasting color to be borne by said characters, wiping said third coating from said bars only, and finally baking the portion of said third coating borne by said characters.

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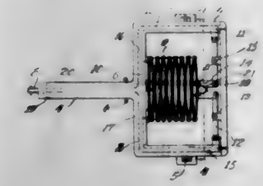
1,559,573. TEMPERATURE COMPENSATOR FOR SPRING SCALES. GEORGE M. LUDLOW, Evanston, Ill., assignor to Sanitary Scale Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 3, 1921. Serial No. 519,581. 7 Claims. (Cl. 265—69.)



1. In combination with a weighing lever having an adjustable part moving longitudinally thereof for changing its leverage, a thermostat carried by said lever and expanding and contracting thereon in directions longitudinal of the lever, a connection between said thermostat and said part through which each movement of the thermostat is imparted to the adjustable part in reverse direction, and a counterbalance weight moved by the expansion and contraction of the thermostat, in the same directions therewith.

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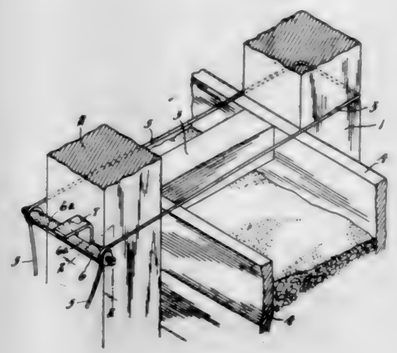
1,559,574. CLAMPING DEVICE FOR CONCRETE FORMS. HOWARD O. MCMILLAN, Minneapolis, Minn. Filed July 12, 1924. Serial No. 725,712. 4 Claims. (Cl. 254—16.)



1. A clamp of the class described comprising a spindle having an intermediate portion adapted to engage a support, said spindle having end portions apertured to have a wire or rod pass therethrough, and a set screw threaded into each end of said spindle and extending longitudinally thereof adapted to engage said wires or rods in said apertures and clamp the same in position.

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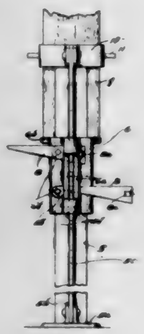
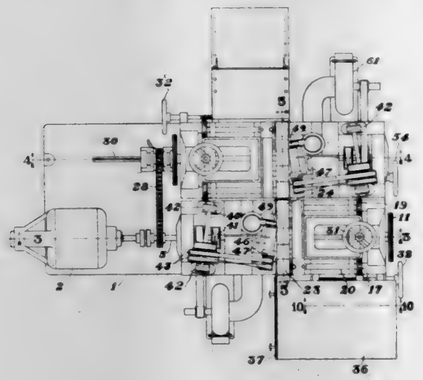
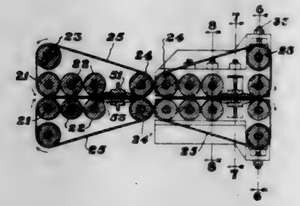
1,559,575. SHORE AND TRENCH BRACE. HOWARD O. MCMILLAN, Minneapolis, Minn. Filed June 29, 1925. Serial No. 40,273. 7 Claims. (Cl. 25—104.)



1. A shore comprising a standard, a timber-supporting bracket slidable thereon, and members adapted to pass through said standard and bracket for successively moving said bracket upward along said standard.

1,559,576. DECKLING MACHINE. FRANK C. MEDICK, Columbus, Ohio. Filed June 30, 1924. Serial No. 723,283. 12 Claims. (Cl. 92—68.)





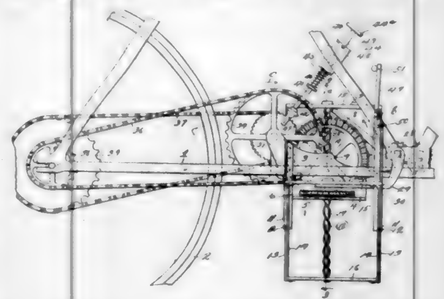
4. In a machine of the character described, a combination of two separate units each consisting of a plurality of feeding rolls and a plurality of webs operated by said rolls, means for synchronizing the movement of the two units and for synchronizing the various rolls of each unit, deckling devices arranged on opposite sides of the web, one deckling device being located in advance of the other a pre-determined distance, and reinforcing devices placed adjacent to the points where the deckling devices operate to prevent buckling of the web.

1,559,577. CLOTHESLINE. FRANK MOORE, Toronto, Ontario, Canada. Filed Jan. 19, 1925. Serial No. 3,288. 2 Claims. (Cl. 68—3.)

1. As a new article of manufacture a line embracing at least two members suitably permanently twisted together and when in use adapted to be under constant tension in order to maintain said members in close relationship, and a spreading device mounted on said members and adapted to be moved longitudinally of said line to separate said members at the locations desired, for the purpose specified.

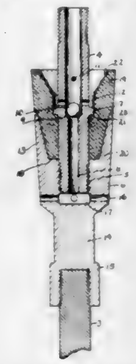
1,559,578. DRIVING MECHANISM. HUMPHREY F. MORGAN, Newark, N. J. Filed Mar. 7, 1925. Serial No. 13,812. 10 Claims. (Cl. 74—54.)

10. In a driving device, a supporting frame, a driven rotatable member supported on the frame, a worm wheel supported on the frame for rotation and held against axial movement, said worm wheel having a pivoted toothed bore, a worm reciprocating in the direction of its length through the bore of the worm wheel and in mesh with the teeth of said bore, said pivoted teeth cooperating with the worm whereby the worm wheel will



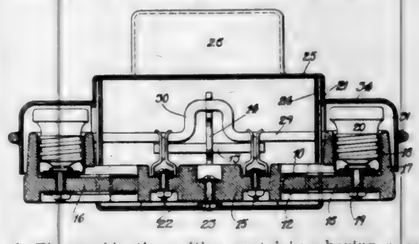
be rotated upon a downward movement of the worm and will freely rotate on the worm upon an upward movement of the worm.

1,559,579. PUMP. OSMYN MOWERS, Houston, Tex. Filed Aug. 11, 1924. Serial No. 731,512. Renewed Sept. 18, 1925. 5 Claims. (Cl. 103—225.)



1. In a pump, a plunger comprising a tubular head, an annular flange thereon, a cup shaped coupling having a threaded central recess therein to receive the lower end of said head, a cup of flexible material adapted to fit within said coupling and between the same and said flange, and an outer shoulder on said flexible cup fitting over the upper end of said coupling said head being constructed to allow passage of fluid therethrough to clear said cup of sand.

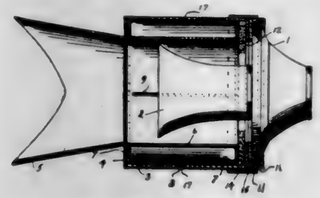
1,559,580. SWITCH AND FUSE MOUNTING. THOMAS E. MURRAY, Jr., Brooklyn, N. Y. Filed Jan. 6, 1923. Serial No. 611,022. 6 Claims. (Cl. 200—50.)



1. The combination with a metal box having a cover and carrying within it a switch, of a support of insulating material on which parts of said switch are mounted, said support having extensions beyond the opposite side walls of the box constituting insulating castings and fuse sockets in said casing in circuit with the terminals of said switch.

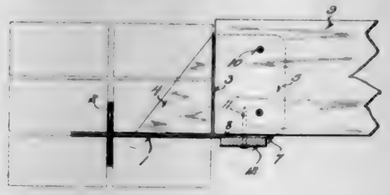


1,559,581. MUFFLER DEVICE FOR TELEPHONES. KARL J. NASH, Kansas City, Mo. Filed June 1, 1925. Serial No. 34,013. 2 Claims. (Cl. 179—188.)



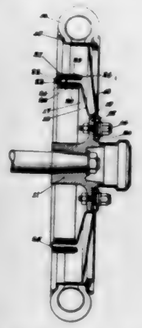
1. In a muffler device for telephones, the combination with the telephone transmitter, of a cylindrical casing, a hollow cylindrical body within said casing and provided at its opposite ends with external annular flanges slidably bearing on the inner side of the wall of said casing and forming with the walls of the casing and the body an annular chamber about the body, a plurality of longitudinally extending apertures in the wall of said body and adapted to provide communication between the interior of the body and said chamber, a concentric band having its inner end slidably mounted on the inner end of said casing and its outer end mounted on the peripheral edge of the transmitted case, a flexible resilient washer of absorbent material mounted in the inner end of said band and adapted to encircle the neck of the transmitter mouth piece, and a mouth piece combined with the outer end of said casing and horizontally aligned with the mouth piece on the transmitter when projected into said body.

1,559,582. JOIST-SUPPORTING BRACKET. JOHN NELESSEN, De Pere, Wis., assignor of one-third to Henry Toonen and one-third to John L. Schnitzler, both of De Pere, Wis. Filed Mar. 26, 1924. Serial No. 701,960. 1 Claim. (Cl. 72—108.)



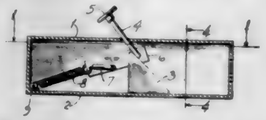
The combination of a wall composed of a plurality of bricks, a joist supporting bracket comprising a rectangular plate adapted to be inserted between successive tiers of bricks and to reach the second brick from the face of the wall, said rectangular plate having a pair of pins therethrough adapted to be positioned between adjacent rows of bricks, an open top socket integral with said plate and projecting outwardly from said wall and having a rear wall and a side wall, and a bottom provided with inwardly directed flanges, and a web joining the rear wall of said socket with said plate and adapted to be positioned between the ends of adjacent bricks, the side walls of said socket being apertured, a joist positioned in said socket and resting upon the flanged bottom thereof, and bolts passing through the side walls of said socket and through said joist.

1,559,583. VEHICLE BRAKE. EMIL A. NELSON, Abington, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 2, 1923. Serial No. 666,121. 6 Claims. (Cl. 188—264.)



3. A brake drum comprising a main body portion, an annular friction-receiving portion at the outer periphery of said body portion, a second friction-receiving portion spaced from and concentrically arranged with respect to said first mentioned annular friction-receiving portion, a supporting means between said annular portions whereby the space between the outer surface of said first mentioned portion and the inner surface of said second mentioned portion is maintained entirely free from any obstruction.

1,559,584. TOOTH CLEANER. WILLIAM P. NICKKANEN, Portland, Oreg. Filed Oct. 26, 1921. Serial No. 510,609. 1 Claim. (Cl. 74—14.)



In a tooth cleaner, a housing, a casting within said housing comprising spaced triangular sides, an oscillating lever having one bent end and adapted for movement over one of the sides of said casting and through the top of said housing, a crank shaft arranged in said housing, a link connecting said lever and crank shaft, and a spring connecting said link and housing.

1,559,585. FAUCET. BENGT A. PETTERSSON, Lund, Sweden. Filed July 15, 1924. Serial No. 726,146. 1 Claim. (Cl. 251—95.)

In a faucet, the combination of a tubular body surrounded at its upper end by an annular flange and having a lateral passage communicating with the bore of said

body, a valve sleeve rotatably mounted in said body and extending below the lower end thereof, said sleeve having an opening through its side adapted to register with said lateral passage, a nut threaded on the lower end of said sleeve, a plug removably mounted in said sleeve, having a central bore open at its lower end and provided with an opening through its side adapted to register with the opening of said sleeve, means detachably connecting said sleeve and plug together, said plug having its lower end extending below the end of said sleeve and having an internal recess, a flexible discharge pipe detachably fitted in said recess and depending from the plug, a handle formed integral with the upper end of said plug and extending at right angles thereto, a stem formed integral with and depending from said handle adjacent the annular flange of said body, a cross bar formed integral with the lower end of said stem, the inner end of said cross bar engaging the under side of said flange and adapted to register with a slot in said flange when the valve is closed to permit removal of said plug, and a lateral plate extending from said body beneath said slot having an aperture adapted to register with the aperture through the outer end of said cross bar when the valve is closed whereby said valve may be locked in a closed position.

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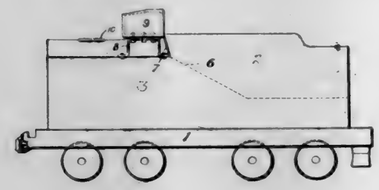
1,559,586. LOCOMOTIVE TENDER. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Apr. 13, 1925. Serial No. 22,819. 6 Claims. (Cl. 105—231.)



1. In a locomotive tender, a water tank, a baffle plate extending transversely of the tender at the end of said tank, the top of said tank sloping inwardly and upwardly from the tops of the tank side walls and the lower portions of the ends of said baffle plate, and a separate member at the center of said tank projecting upwardly above said baffle to form an extension of the middle portion of said baffle.

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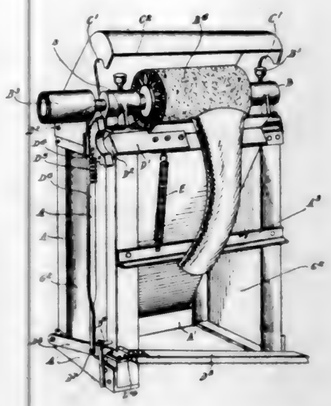
1,559,587. SHOULDER-STRAP HOLDER. JOHN V. PILCHER and JOHN F. BABBITT, Louisville, Ky.; said Babbitt assignor of his entire right to said Pilcher. Filed Nov. 13, 1924. Serial No. 749,701. 5 Claims. (Cl. 241—12.)

1. An article of the class described, comprising a carrying member having means for attachment to a garment, and a retaining member comprising an elastic tape having one end permanently attached to said carrying member adjacent one end thereof, said tape having its free portion provided with a hook for engaging an eye in the carrying member.

1,559,588. TIRE BUFFER. HUGO REICHEL, Chicago, Ill. Filed Sept. 24, 1924. Serial No. 739,518. 2 Claims. (Cl. 15—40.)



1. In a buffer, a brush and means for rotating it, a supporting element pivoted adjacent said brush and adapted to support the article to be buffed, yielding means for holding said supporting element normally withdrawn from contact with said brush, and means for rotating it toward said brush, comprising a segment, a rack in mesh with said segment, and a treadle element, connected to said rack, and adapted to be contacted by the foot of the operator.

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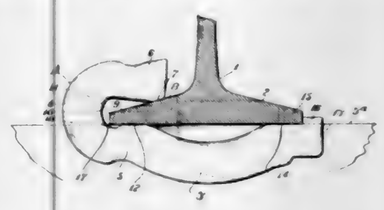
1,559,589. RAIL ANCHOR. HAROLD G. WARR, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 17, 1925. Serial No. 3,008. 20 Claims. (Cl. 238—330.)



1. A rail-anchor formed of a single continuous bar of metal comprising a downwardly bowed portion adapted to extend beneath the rail-base and engage the tie, and a hooked end portion extending from one end of the bowed portion and adapted to be flexed about one rail-base flange and engage the upper and lower surfaces thereof so as to hold the other end of the bowed portion in engagement with the bottom surface and vertical edge of the other rail-base flange.

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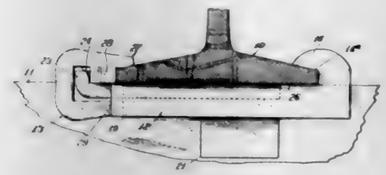
1,559,590. RAIL ANCHOR. HAROLD G. WARR, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Original application filed May 24, 1924, Serial No. 715,537. Divided and this application filed Jan. 17, 1925. Serial No. 3,009. 12 Claims. (Cl. 238—325.)

1. A rail anchor comprising two interlocking members, one of which is made of sheet metal and formed at one end with means for engaging one edge of a rail base and



provided at the other end with a flange normally extending at an acute angle to the longitudinal axis of the rail and spaced away from the adjacent edge of the rail



base; the other of said members being provided with means having a wedging engagement between said flange and the adjacent edge of the rail base.

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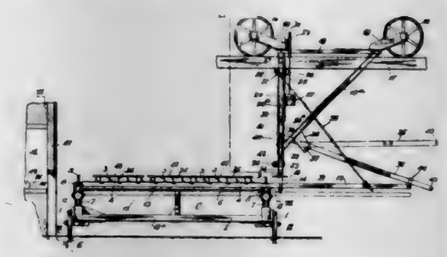
1,559,591. METHOD OF AND APPARATUS FOR LOADING AND UNLOADING ENAMELING FURNACES. ROBERT A. WEAVER, Lakewood, Ohio, and ARTHUR STOCKSTROM, St. Louis, Mo. Filed Oct. 31, 1923. Serial No. 672,025. 19 Claims. (Cl. 214—26.)



1. In apparatus for loading and unloading enameling furnaces, the combination of a charging fork adapted to be moved into and out of the furnace to load and unload the furnace, and a transfer table adapted to be loaded with the work to be deposited in the furnace, said transfer table being adapted to be moved transversely across the path of movement of said charging fork, said charging fork being adapted to carry suitable racks for supporting the work in the furnace, and said transfer table being adapted to support the load directly over said racks carried by said charging fork, said charging fork being adapted to be raised and to thereby lift the work from said transfer table to said racks on said charging fork, and said transfer table being adapted to be removed out of its position in the path of the charging fork.

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1,559,592. LUBRICANT. MILTON F. WEBSTER, Alameda, Calif., assignor, by mesne assignments, to Merco Nordstrom Valve Company, San Francisco, Calif., a Corporation of Delaware. Filed Sept. 7, 1922. Serial No. 586,789. 1 Claim. (Cl. 87—9.)

A lubricating compound for use on valve parts and the like subjected to gasoline and water consisting of a mixture of substantially eighty per cent castor oil and twenty per cent carnauba wax.

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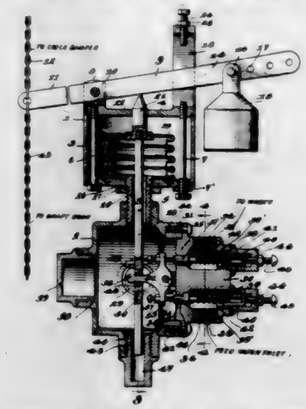
1,559,593. REGULATOR FOR HEATING FURNACES. JOSEPH A. WELSH, Dunkirk, N. Y. Filed Oct. 6, 1923. Serial No. 666,959. 9 Claims. (Cl. 122—449.)

1. In a regulator of the character described, a pressure controlled diaphragm, a rod actuated by the diaphragm, draft controlling means governed by the rod, fluid supply and pressure relief valves, and a rocker device op-



eratively associated with said rod for actuating said valves on reverse movements of the rod.

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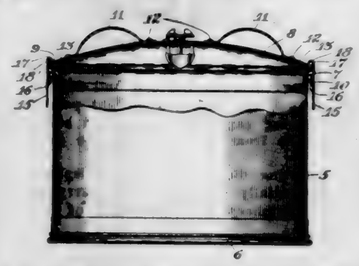
1,559,594. DETACHABLE COVER FOR WATERLESS COOKERS. ROBERT H. WENTORF and ERNEST A. KEILER, West Bend, Wis., assignors to West Bend Aluminum Company, a Corporation of Wisconsin. Filed Aug. 24, 1923. Serial No. 659,048. 4 Claims. (Cl. 53—1.)



3. A locking device for a boiler having a cover therefor, a bead around the top thereof, and a plurality of latches made of substantially flat material pivotally carried by said cover having upwardly and inwardly inclined depressed tongues formed integrally therewith and normally actuated by gravity to engage the underside of said bead for securing the cover to said boiler.

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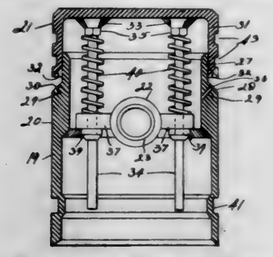
1,559,595. ENGINE AND PISTON. AUGUSTUS ALBERT WEST, Philadelphia, Pa. Filed Aug. 21, 1923. Serial No. 658,527. 16 Claims. (Cl. 123—78.)

14. The combination with an engine including a cylinder provided with the usual exhaust and a supplementary exhaust, of a piston consisting of a skirt having a reduced waist, an exterior inclined, shoulder with a channel formed therein from which lead ducts passing through the skirt to provide communications between the interior and exterior of the skirt, integral bearings within the skirt and integral apertured webs formed with the bearings and skirt, a head consisting of an end wall and skirt slidably mounted on the waist of the skirt, the edge of said skirt beveled to coincide with the inclined shoulder, said edge of the petticoat coacting with the shoulder to limit the inward movement of the head and acting to force excess lubricant through the ducts, rods having threaded connection with the end wall of

the head and passing through the apertures in the webs, means on said rods for coaction with the webs to limit the outward movement of the head, and springs coiled about the rods below the webs and attached to said



webs and the free ends of the rods to force the head outward, said piston normally covering the supplementary exhaust and the head being forced inward relative to the skirt on the firing stroke to uncover said supplementary exhaust.

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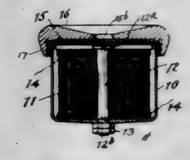
1,559,596. TELEPHONE RECEIVER. JOSEPH A. WILLIAMS, Cleveland, Ohio. Filed Apr. 21, 1922. Serial No. 555,821. 16 Claims. (Cl. 179—120.)



1. A telephone receiver comprising a coil, a cup-shaped housing enclosing the coil and adapted to convey flux through the base and upright portion thereof, the flux carrying capacity of the base being substantially the same from the region of the center to the periphery.

14. A vibrating diaphragm for a telephone receiver having substantially the same flux carrying capacity adjacent its periphery as in the region of the center.

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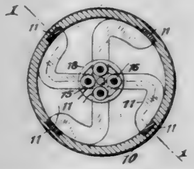
1,559,597. TELEPHONE RECEIVER. JOSEPH A. WILLIAMS, Cleveland, Ohio. Filed May 1, 1922. Serial No. 557,583. 3 Claims. (Cl. 179—117.)



1. In a telephone receiver, a cup-shaped housing formed of insulating material and having a plurality of permanent magnet elements embedded therein and extending from near the open end of the housing downwardly toward the base and inwardly along the base toward the center, said elements having similar magnetic poles adjacent the axis of the housing.

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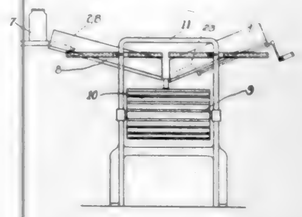
1,559,598. BOTTLE-POSITIONING DEVICE. PERCY Q. WILLIAMS, Cincinnati, Ohio. Filed July 19, 1923. Serial No. 652,491. 10 Claims. (Cl. 198—33.)

1. In a device of the class described, the combination of a downwardly inclined chute for receiving and directing bottles neck end foremost, a second upwardly inclined chute for receiving at its lowermost end the bottles as they are discharged from the lower end of



the first mentioned chute and means carried by the second chute for deflecting the bottles to a position transversely of the chutes.

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1,559,599. STABILIZING SOLUTION CONTAINING LOOSELY-COMBINED OXYGEN. VICTOR WINTSCH, Jr., Zurich, Switzerland, assignor to R. H. Comey Company, Camden, N. J., a Corporation of New Jersey. Filed June 25, 1924. Serial No. 722,415. 6 Claims. (Cl. 23—251.)

5. The stabilization of solutions containing loosely combined oxygen with a soluble pyrophosphate salicylate.

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1,559,600. STABILIZER FOR SOLUTIONS CONTAINING LOOSELY-COMBINED OXYGEN AND PROCESS OF MAKING THE SAME. VICTOR WINTSCH, Jr., Zurich, Switzerland, assignor to R. H. Comey Company, Camden, N. J., a Corporation of New Jersey. Filed June 25, 1924. Serial No. 722,416. 6 Claims. (Cl. 260—11.)

1. A stabilizer for permitting of only slow liberation of oxygen in solutions containing loosely combined oxygen consisting of a soluble pyrophosphate salicylate.

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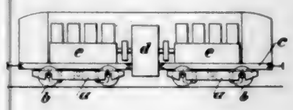
1,559,601. LOCOMOTIVE HAVING COMBINED INTERNAL-COMBUSTION AND ELECTRIC PROPULSION SYSTEM. EUGEN ZBINDEN, Bern, Switzerland, assignor to Sulzer Frères Société Anonyme, a Corporation of Switzerland. Filed Dec. 5, 1924. Serial No. 754,033. 3 Claims. (Cl. 105—35.)



1. In an electrically propelled internal combustion locomotive the combination of two bogies with an electric generator supported by the frame of the locomotive between the two bogies and driven by two internal combustion engines arranged at either end thereof.

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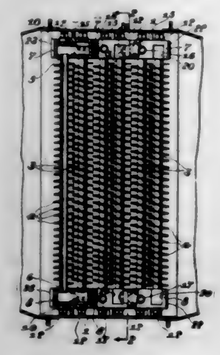
1,559,602. HEAT-EXCHANGE APPARATUS. HANS J. ZIMMERMANN, Philadelphia, Pa., assignor to Schutte and Koerting Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 14, 1922. Serial No. 574,927. 5 Claims. (Cl. 257—154.)

3. In heat exchange apparatus, the combination of a plurality of heat exchange units, each unit comprising a plurality of tubes, hollow terminal members secured to the opposite ends of said tubes, inlet and outlet pipes, the inlet pipe being connected to one of said hollow terminal portions and the outlet pipe to the other of said hollow terminal portions, and each terminal portion being provided with a pocket at its opposite ends, said pockets opening upon the ends of said portions and the outer side walls of which are adapted to lie against the





outer end portions of the adjacent walls of adjacent terminal portions, the said outer end portions being provided with screw bolts which are adapted to project through openings into the said pockets and means for fastening the said screw bolts within said openings.

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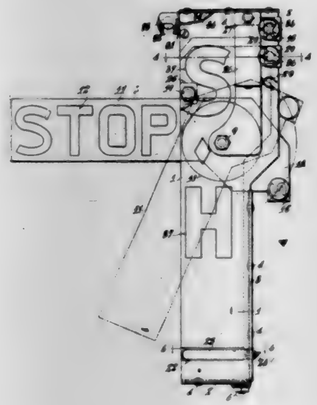
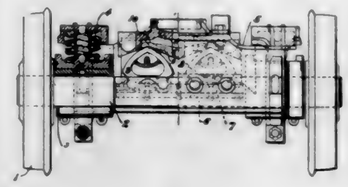
1,559,603. DIRECTION INDICATOR. JERIE EVICH, Santa Barbara, Calif. Filed June 17, 1924. Serial No. 720,705. 11 Claims. (Cl. 116—53.)




1. A device of the class described comprising, a housing, indicator arms pivoted in the housing and adapted to lie within the confines of the same when inactive and for being extended from the housing to an active position, and a stop and tension device for holding the arms in frictional engagement and for stopping the same at the proper extended position.

1,559,604. LOCOMOTIVE TRUCK. GEORGE H. GIBSON, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Jan. 10, 1925. Serial No. 1,621. 6 Claims. (Cl. 105—189.)



1. In a truck, a frame, a rocker having movement transversely of the plane of its rocking motion, a bearing mounted on said rocker, and a chafing plate on said frame adjacent said rocker and bearing for limiting said movement of said rocker relative to said bearing.

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1,559,605. SIGN. FRANK M. GINGER, Eldorado, Kans. Filed May 26, 1925. Serial No. 33,028. 3 Claims. (Cl. 40—102.)

1. A signal comprising, in combination, a plate provided with spaced outstanding ears, said ears being provided with slots having corresponding ends enlarged, a second plate having outstanding arms insertible through the slots of the ears of the first plate, said arms when within the enlarged portions of the slots permitting the second plate to be swung to overlie one or the other end portion of the first plate, said arms when within the restricted portions of the slots holding the second plate against rotation.

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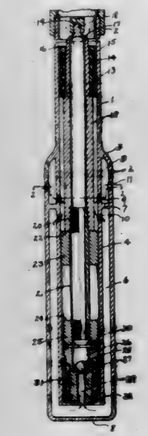
1,559,606. PUMP. ELLSWORTH GRAY, Houston, Tex. Filed Jan. 5, 1925. Serial No. 520. 6 Claims. (Cl. 103—179.)

1. In a pump, a pump barrel having an inner wall open at its lower end, an outer wall spaced from the inner wall of the pump barrel, a partition closing the space between the said walls at an intermediate point, the lower end of the outer wall being closed, said outer and inner walls having openings therein above the intermediate partition, the inner walls having lateral openings below said partition, a pump plunger, a valve ring slidable on the lower portion of said pump plunger, means

to limit the movement of said ring on said plunger, whereby the openings in the inner wall of the working barrel below said partition will be closed during the



greater portion of the downward stroke of the plunger and be open during the greater portion of the upward stroke, in the manner described.

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1,559,607. AUTOMOBILE BUMPER. WILLIAM J. GROTENHUIS, Chicago, Ill., assignor to Biflex Products Company, Waukegan, Ill., a Corporation of Delaware. Filed June 22, 1922. Serial No. 570,115. 2 Claims. (Cl. 293—55.)

1. An automobile bumper comprising a pair of resilient bars secured in flatwise contact adjacent the ends of the forward portion thereof, the outer bar being extended laterally and thence rearwardly and inwardly to form the looped ends of the bumper, and the inner bar being bent rearwardly and inwardly short of the extremeties of the looped ends of the bumper, the free ends of said bars being brought together in flatwise contact to form rearwardly disposed attaching members extending transversely of the points of attachment.

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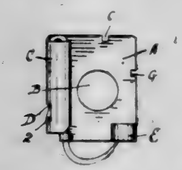
1,559,608. SORTING DEVICE FOR LAUNDRY WORK. AUSTIN GUDMUNDSEN and FRANK E. DOLE, Salt Lake City, Utah. Filed May 5, 1924. Serial No. 711,032. 4 Claims. (Cl. 40—19.5.)



1. A laundry pin comprising a plate having a hole centrally therein and key ways in its edges; a guide case on one face thereof having a recess in its edge; a pin slidable in said case with one portion adapted for operation through said recess to lock and unlock another portion shaped as a point; a base having a tube secured thereon on which said plate is slidable; a guide strip secured on said base parallel with said tube; a longitudinal rib on said guide strip against which said pin may be moved to unlock it; a testing clip pivoted on said guide strip having key ribs on its inner face over which said recesses in said plate may be moved.

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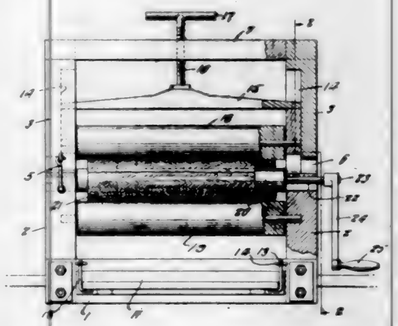
1,559,609. CLOTHES MANGLE. NILS E. GULLERUD, Maddock, N. Dak. Filed May 16, 1925. Serial No. 30,856. 6 Claims. (Cl. 68—13.)



2. In a mangle, a two part frame, a roller journaled in the lower part an adjustable member mounted in the upper part, a roller journaled in the adjustable member, slots in the abutting ends of the two parts, an intermediate roller mounted in the slots, means for removing the intermediate roller and means for rotating the intermediate roller.

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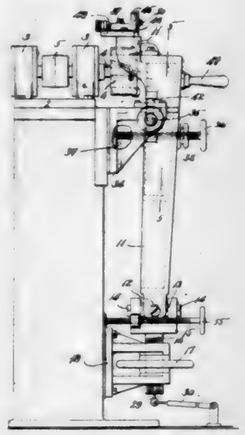
1,559,610. HEEL-SHAPING MACHINE. NICHOLAS L. GULLERUD, Peabody, Mass. Filed Jan. 8, 1924. Serial No. 684,945. 8 Claims. (Cl. 12—47.)



1. In a machine of the character described, the combination of a rotatable internal cutter head; a work holder disposed crosswise of the axis of said head and pivotally supported at a point off set at one side of said axis so that one end of said holder is movable toward and from the cutter head, and a heel holding clamp on said work holder by which a heel is held and positioned on the work holder whereby its shank lip is caused to enter said internal cutter head when the work holder is swung toward the latter.

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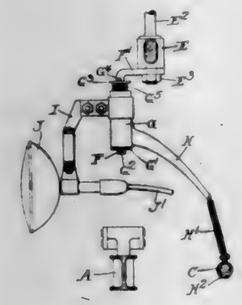
1,559,611. DIRIGIBLE-SPOTLIGHT BRACKET. GEORGE WALTER HAMAN, La Porte, Ind. Filed Jan. 30, 1924. Serial No. 689,435. 3 Claims. (Cl. 240—62.)



1. In combination with a vehicle having a steering gear and supporting frame, a movable light mounting supported from said vehicle and including a base mounted on said vehicle, and a lamp carrying portion mounted for rotation on said base and provided with a lever arm, springs attached to said lever arm and directly a portion of the steering gear, whereby said lamp carrying portion is moved with the movement of said steering gear said springs forming the entire connection between said steering gear and said lever arm.

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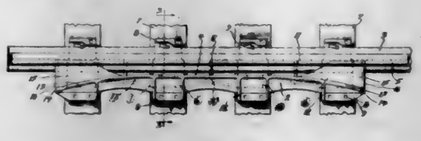
1,559,612. TRACK GUARD RAIL. PAUL HAMILTON, Greensburg, Ind., assignor to Jay V. Wescott, Chicago, Ill. Filed Mar. 20, 1924. Serial No. 700,593. 3 Claims. (Cl. 238—19.)



1. In a track guard rail the combination of a base portion, a guard portion extending along said base and disposed at its intermediate portion at an acute angle with the base and extending upwardly toward a traffic rail to which the guard rail is applied and having the upper portions thereof adjacent the ends thereof gradually turned away from the traffic rail and forming vertical end portions, transverse ribs bridging said angle of the base and guard portion at intervals along the intermediate portion of said guard portion and extended therefrom toward the traffic rail to engage the same under the head thereof, and depth guard formations at the ends of said guard portion and extending therefrom toward the traffic rail and adapted to engage the same under the head thereof.

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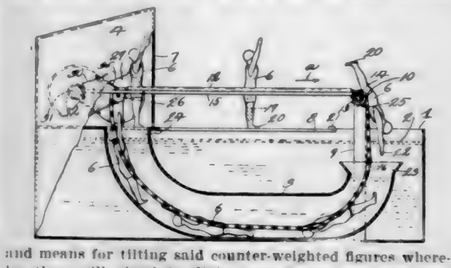
1,559,613. FIGURE TOY. ALICE M. HAMMER, Hillsboro, Oreg. Filed May 13, 1924. Serial No. 713,009. 7 Claims. (Cl. 46—40.)

1. A figure toy comprising a tank adapted to receive water therein, an endless conveyor, counter-weighted pivoted figures carried by said conveyor, a pipe in said tank and through which said endless conveyor extends



and means for tilting said counter-weighted figures whereby they will simulate diving operations into the tank and pipe.

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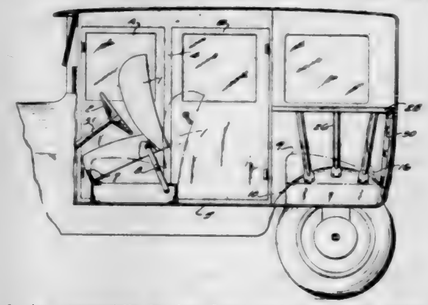
1,559,614. AUTOMOBILE. FREDERICK J. HAYNES, Detroit, Mich., assignor to Dodge Brothers, Inc., Detroit, Mich., a Corporation of Maryland. Filed Aug. 12, 1922. Serial No. 581,298. 3 Claims. (Cl. 296—28.)



1. An automobile having front and rear seats, upholstered sections adjacent said rear seat, and a pair of doors rearwardly of the front seat, the back of the front seat being located to the rear of a plane passing through the forward edge of the door, means whereby the back of the front seat may be shifted forward to clear the door space, means for detachably fastening the rear seat and its support to the floor of the car, and means for detachably fastening the upholstered sections to the car body so as to be held by resilient pressure, whereby when the said rear seat and upholstered sections are removed the portion to the rear of the front seat is rendered substantially unobstructed.

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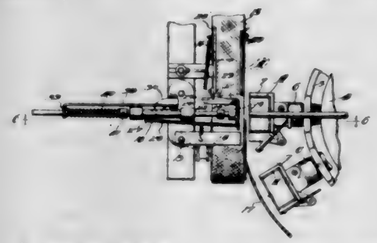
1,559,615. MECHANISM FOR TRANSFERRING CARTON OR OTHER ARTICLES. GEORGE HOEPNER, Chicago, Ill. Original application filed May 15, 1922, Serial No. 561,045. Divided and this application filed Oct. 29, 1923. Serial No. 671,481. 35 Claims. (Cl. 198—21.)



1. A movable conveyor, a pusher member arranged above and adapted to reciprocate transversely of the latter between a position in which it lies on one side

of the conveyor and a position in which it extends across the conveyor, means for actuating said pusher member, a stationary member, and a dog cooperating directly with said members to lock the pusher member in a position overlying the conveyor, said dog being located in the path of and being adapted to be tripped by an object carried toward said pusher member by the conveyor.

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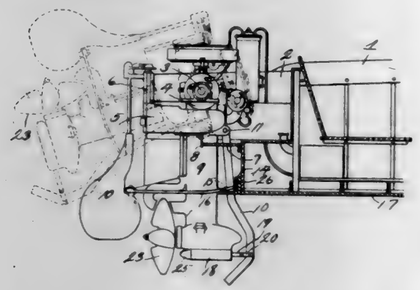
1,559,616. OUTBOARD MOTOR. LOUIS J. JOHNSON, Mishawaka, and HARRY L. JOHNSON, Indianapolis, Ind., assignors to Johnson Bros. Engineering Corporation, South Bend, Ind. Filed June 16, 1924. Serial No. 720,318. 10 Claims. (Cl. 115—17.)



1. The combination with a pivotally mounted motor, said motor being carried by a boat, of a guard for the free end of said motor, said guard being yieldably mounted on the motor and yieldable in relation thereto and forming means whereby initial shocks will be taken up.

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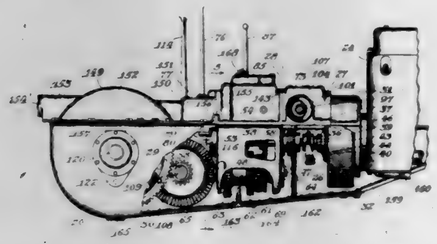
1,559,617. TRACTOR. EDWARD A. JOHNSTON, Chicago, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Dec. 24, 1921. Serial No. 524,570. 22 Claims. (Cl. 180—54.)



1. In a tractor, a main frame having a broad and shallow front part, a relatively narrow and deep rear part, a wall separating the two parts whereby a reservoir for lubricant is provided in the rear part, a transmission assembly closing the reservoir adjacent the partition and extending thereinto, differential gearing mounted in the reservoir at the opposite end, a removable cover closing the reservoir over the differential gearing, and driving connections in the reservoir between the transmission and differential.

7. In a tractor, the combination of steering wheels and driving wheels, a main frame formed from a single piece of metal, means for supporting the front end of the frame on the steering wheels, a driving shaft extending thru the rear end of the frame and supporting the frame on the driving wheels, a differential secured to the driving shaft within the frame, a second shaft journalled in the frame and driving the differential, one end of the said shaft extending laterally through the frame and provided at said end with means whereby a braking action may be exerted thereon, a transmission housed within the frame and driving the second shaft, a transverse partition providing with the rear end of the frame a reservoir for lubricant, and an engine mounted on the front end of the frame for driving the transmission.

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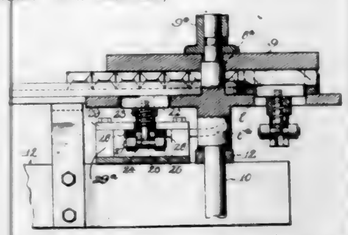
1,559,618. PACKAGE-DELIVERY MECHANISM FOR WRAPPING MACHINES. ANDREW KAPPES and ANTON F. R. GERSTMAYR, Chicago, Ill., assignors to Wm. Wrigley, Jr. Co., Chicago, Ill., a Corporation of West Virginia. Filed Aug. 15, 1923. Serial No. 657,467. 4 Claims. (Cl. 198—25.)



2. In a device of the character described, the combination of an article delivery track having an abrupt turn intermediate its ends, a rotative turn-table located at the turn in said track, and comprising discs between which the articles are advanced, and a series of spring actuated article engaging members, carried by one of said discs and adapted to shift successive articles in frictional contact with the other disc, during their advance movement about the turn.

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1,559,619. CORRUGATED NAIL EXPANSION. JOHN KARITZKY, Garwood, N. J., assignor to Henry B. Newhall, Plainfield, N. J. Filed Nov. 12, 1924. Serial No. 749,360. 8 Claims. (Cl. 85—23.)

3. A new article of manufacture comprising a nail expansion shield formed from sheet metal bent back on itself and fluted or corrugated to permit flexibility in the driving of a nail and to insure the maximum grip or bond when expanded and provided with weakening means to permit a secondary expansion of a portion of the shield at an angle to the main expansion.

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1,559,620. ALLOY AND METHOD. FREDERICK W. KARITZKY, Garwood, N. J., assignor to Henry B. Newhall, Plainfield, N. J. Filed Dec. 31, 1924. Serial No. 758,974. 6 Claims. (Cl. 75—1.)

1. An alloy comprising about 85% of zinc, 10% of aluminum and 5% of tin.

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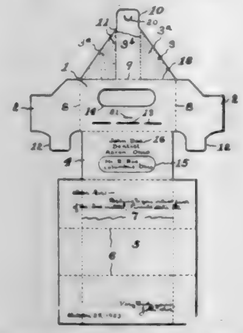
1,559,621. COMBINED ENVELOPE AND LETTER SHEET. JOHN A. KAYE, Sault Ste. Marie, Ontario, Canada. Filed Dec. 10, 1923. Serial No. 679,543. 3 Claims. (Cl. 229—92.7.)

1. A combined envelope and letter sheet comprising an envelope front having a plurality of slots formed therein adjacent the upper edge thereof, a letter sheet integral with the envelope front and connected to the upper edge thereof, said letter sheet being adapted to be folded against the front, end flaps at the ends of the envelope front which are foldable against the folded letter sheet, and a bottom flap foldable over the end



flaps and connected thereto by an adhesive, the bottom flap and end flaps being each formed with a tongue which is foldable around the upper edge of the envelope and insertable through a corresponding one of the slots in the front of the envelope.

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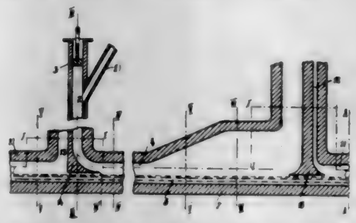
1,559,622. PRODUCTION OF COMBUSTIBLE GAS. MAX KLÖTZER, Dresden, Germany. Filed July 31, 1924. Serial No. 729,314. 4 Claims. (Cl. 48—92.)



1. Process of producing combustible gas from carbon and an oxygen carrier, consisting in glowing a mixture of powdered fuel and steam into a gas generating chamber over a molten heat radiating slag bath, stirring by pulsation said fuel mixture over said slag bath, and gasifying said fuel mixture by the radiated heat from said slag bath.

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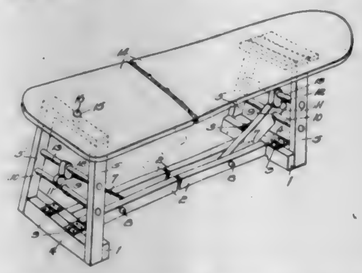
1,559,623. IRONING TABLE. WILLIAM KOLB, St. Louis, Mo. Filed Nov. 28, 1921. Serial No. 518,371. 1 Claim. (Cl. 68—10.)



In a folding ironing table structure, a pair of end frames having upwardly converging side members constituting supporting legs, a base, hinges connecting the end frames with the base, a stationary round connecting the side members of each end frame, a round revolubly supported at its ends by the side members of each end frame, a cam member fixed to each revolubly supported round, a pair of brace members pivotally connected at their inner ends to the base, a recess formed in the lower face of each brace member at their outer ends adapted for contact with the stationary rounds when in operative position, a recess formed in the upper face of each brace member adapted for contact with the cam members of revoluble rounds for locking the end frames in operative position and a board supported by said end frames.

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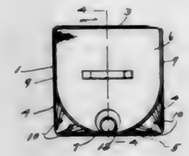
1,559,624. CONTAINER FOR LIQUIDS. PHILIP E. KOPP, Kansas City, Mo. Filed June 23, 1924. Serial No. 721,728. 1 Claim. (Cl. 220—1.)



In a container for liquids, a flat rectangular lower end wall, a flat upper end wall having a portion having its perimeter corresponding to the perimeter of half the area of said lower end wall and a portion having a periphery describing a semicircle, a hollow body having the lower ends of its vertical walls united to said lower end wall to thereby provide a rectangular form to the lower portion of the body in cross section and having its upper portions of its vertical walls united to said upper end wall to thereby provide for the upper portion of the body a form partly rectangular and partly semicircular in cross section, and a filling and emptying spout mounted in the semicircular portion of said upper end wall and at the peripheral edge thereof at a point substantially ninety degrees of arc of said periphery.

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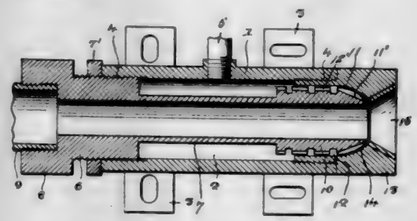
1,559,625. BURNER. PAUL W. KUTIS, Proctor, Minn. Filed Feb. 21, 1924. Serial No. 694,336. 1 Claim. (Cl. 158—75.)



A liquid fuel burner, comprising a body having a tubular bore, threaded at the ends thereof, and having a central steam inlet, a liquid fuel conducting nozzle having a thickened portion which is threaded and which is screwed in one end of the body, a jamb nut screwed in the said thickened portion of the nozzle and contacting the end of the body through which the nozzle enters, said nozzle having a headed end, whose outer portion is cone-shaped, said head having spaced circumferential grooves and spaced longitudinal passages for intersecting the circumferential grooves, and the cone-shaped head of the nozzle having passages aligning with the first mentioned passages but which last mentioned passages are struck at angles of approximately 25 degrees, and a nose piece screwed in the second end of the body and having a bore terminating in a conical end to receive the

head of the nozzle and the conical end thereof therein, and said nose piece having an inwardly flared mouth which communicates with its bore and with the bore of the nozzle.

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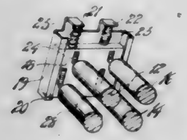
1,559,626. RAILWAY INDICATOR. THOMAS E. KYNISTON, Spokane, Wash. Filed Mar. 2, 1925. Serial No. 12,540. 3 Claims. (Cl. 40—99.)



1. In an indicator as described the combination with an operating shaft and roller thereon of an endless web and a plurality of rollers adjacent said roller, a plurality of spaced rollers for said web, bearing blocks for the respective ends of said spaced rollers, housings for the blocks, and tension springs interposed between said housings and blocks for the purpose described.

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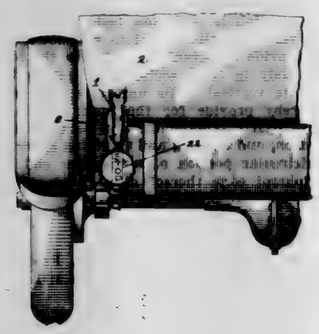
1,559,627. DIRECTION INDICATOR. ROBERT B. LAMBERT, Napa, Calif. Filed Oct. 3, 1923. Serial No. 666,355. 2 Claims. (Cl. 177—327.)



1. A direction indicator for automobiles comprising a bracket mounted upon the back of an automobile; a pointer rotatably mounted upon the upper portion of the bracket and adapted to be turned to any of a plurality of direction indicating positions for indicating a contemplated turn or stop; electrical means for illuminating the pointer; a stop signal mounted upon the bracket immediately below the pointer; an electric lighting element mounted within the stop signal; an electric contact mounted upon the top of the stop signal and connected to the lighting element therein; and a contact mounted upon the end of the pointer and electrically connected with a source of electrical energy, said contact being arranged to engage the contact upon the stop signal when the pointer is moved to the stop position and thereby complete a circuit through the lighting element to illuminate the stop signal.

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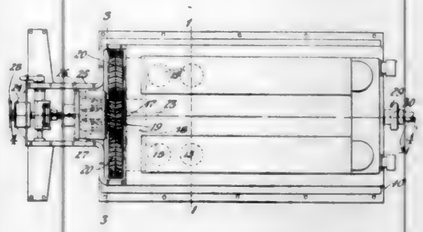
1,559,628. GAS ENGINE. ELWOOD T. LARKIN, Buffalo, N. Y., assignor to Charles A. Criqui, Buffalo, N. Y. Filed Jan. 30, 1924. Serial No. 689,530. 5 Claims. (Cl. 74—7.)

1. A gas engine comprising a hollow intermediate driven shaft, a main driving shaft extending lengthwise through said intermediate shaft, means for connecting and disconnecting said driving and intermediate shafts, crank shafts arranged on opposite sides of said intermediate and main shafts, power cylinders arranged on opposite sides of said intermediate and main shafts



and each containing a piston operatively connected with one of said crank shafts, and means operatively connecting said crank shafts and intermediate shaft.

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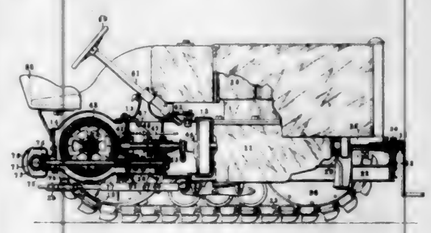
1,559,629. TRACTOR. THOMAS C. LEAKE, New York, N. Y., assignor to Bear Tractor Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Oct. 10, 1921. Serial No. 506,637. 8 Claims. (Cl. 180—91.)



4. A tractor construction including in combination, a unitary power generating unit including an encased engine, housings for enclosing the separate parts of the engine, the transmission gearing, and the driving gearing, said housings being formed as separate units and secured together in alignment to form in effect a unitary power generating unit, the driving gear housing extending transversely of the tractor and enclosing the transverse driving shaft which is operatively connected to the traction elements of the tractor, a rigid generator unit supporting frame pivoted to the tractor at the transverse rear axis thereof, and surrounding said generating unit, a connection for suspending the forward end of said supporting frame upon said traction elements, said power transmission connections including a plurality of interconnected shafts, and an auxiliary power attachment detachably connected to the unitary power element and being adapted for coupling with one of said interconnected shafts, said auxiliary power attachment including a pulley with its axis disposed parallel to the rear axis of the tractor and the unitary assembly of power transmitting elements being arranged for attachment to or removal from said unitary power elements as a unit.

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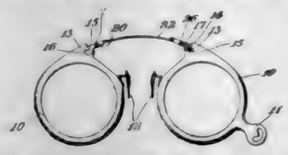
1,559,630. EYEGLASSES AND THE LIKE. ALVIN L. LEIBE, Irvington, N. J. Filed Feb. 28, 1924. Serial No. 695,670. 2 Claims. (Cl. 88—42.)

1. The combination with a pair of eye glass frame rims and a flat bowed spring, of a channelled clip fixed to each rim and having its outer portion in-turned to



constitute a socket partially open on one side, a flat bowed spring having reduced ends to engage in the sockets, said ends terminating in further reduced por-



tions rolled to present open eyes capable of passing through the partially open space in said sockets, and a screw engaged in each clip to engage with said eyes.

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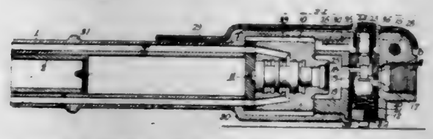
1,559,631. PNEUMATIC TOOL. AXEL LEVEDAHL, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a Corporation of Delaware. Filed July 30, 1919. Serial No. 314,373. 4 Claims. (Cl. 121—35.)



1. In a pneumatic tool, the combination of a barrel, a throttle head secured to the rear end thereof and having a live air passage and an exhaust port, a self closing throttle valve for said passage, and a valve opening lever pivoted on said head at the rear of said valve and extending over the valve toward the forward end of said barrel, said lever having engagement between its ends with said valve for opening said valve upon the movement of said lever toward said barrel, said lever being curved transversely to conform to the curvature of said barrel and provided in its portion extending over said valve with an exhaust port in communication with the exhaust port in said head.

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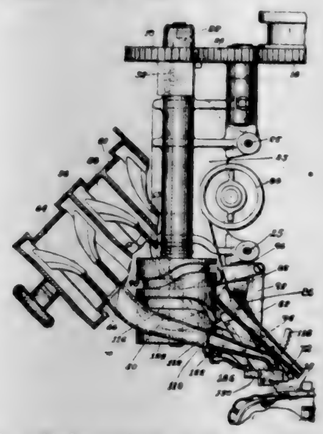
1,559,632. TOE-BINDING MACHINE. BERNARD T. LEVEQUE, Wenham, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 31, 1917. Serial No. 539,910. Renewed Feb. 28, 1922. 109 Claims. (Cl. 12—2.)



1. In a binder applying mechanism, the combination with means for inserting a fastening, of means to guide a binder in position to bind a shoe upper progressively from one side of the shoe around to the other side, and means to manipulate the binder into a form to cause it to be secured by the fastening to the shoe.

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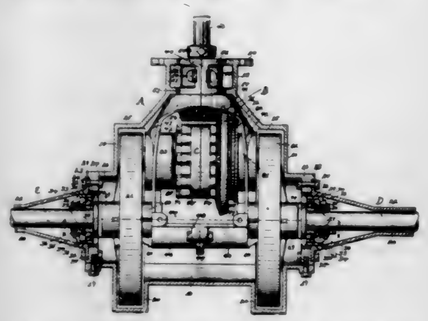
1,559,633. DRIVING-AXLE STRUCTURE FOR AUTOMOBILES. THOMAS J. LINDSAY, Indianapolis, Ind., assignor to Lindsay Auto Parts Company, Indianapolis, Ind., a Corporation of Indiana. Filed June 25, 1918. Serial No. 241,853. 36 Claims. (Cl. 74—99.)



1. A driving axle structure, comprising a main housing, a driving mechanism composed of a driving shaft and a differential train adapted to be driven thereby, and a frame or casing for said driving mechanism forming therewith a unit for independent separable attachment within said main housing when the axles are in normal position upon the structure, the said axles being provided with gears on their inner ends and co-operating with the differential train to drive the axles, the said gears being carried by the frame and being separably connected with the ends of the axle.

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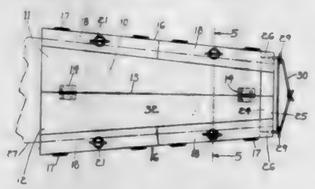
1,559,634. TROUSERS-PRESSING DEVICE. BURTON H. LOCKE, Orange, Mass. Filed Mar. 26, 1925. Serial No. 18,421. 4 Claims. (Cl. 223—19.)



1. A trouser pressing device comprising a base-board composed of two longitudinal sections, and a strip held in hinged relation to the outer side of each section, said strips being positioned to cooperate with a common face of said base-board, and means for holding each strip in pressure cooperation with said common face of said base-board, and a hinged connection between the two sections of said base-board, said hinged connection allowing the said sections to fold on the face opposite the cooperating face thereof, for the purpose set forth.

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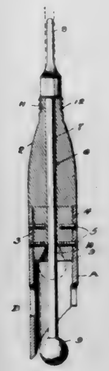
1,559,635. BAILER HEAD. FRED LOVE and CHARLES SHAW, Healdton, Okla., assignor of one-half to Wirt Franklin, Ardmore, Okla. Filed Apr. 11, 1924. Serial No. 705,747. 1 Claim. (Cl. 166—19.)

A bailer head having a tapered upper portion and a depending shank portion adapted to fit within the upper end of a well bailer, said shank portion being provided

with an inverted conical striking face and a centrally disposed bore extending through said tapered portion, and a reciprocable rod extending through said central bore and between the conical wall of said striking face



and formed with a spherical striking head at its inner extremity, whereby upon reciprocation of said rod the spherical striking head is caused to impinge the conical wall of said striking face and be directed into axial alignment with said central bore.

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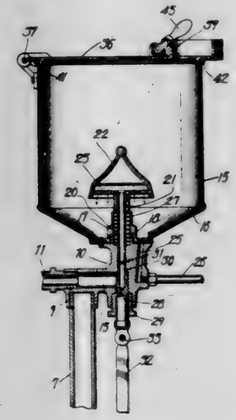
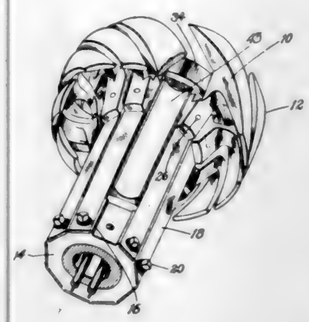
1,559,636. HAT-STEAMING DEVICE. SPIROS C. MARKATOS, New York, N. Y. Filed June 12, 1923. Serial No. 644,980. 1 Claim. (Cl. 223—26.)



In a hat renovating apparatus, the combination of a boiler, a casting and an offset support connecting the casting to said boiler, a steam chamber mounted on the casting, a combined inlet pipe and valve extending through the casting and into the chamber, a combined steam separating baffle and hat support attached to the upper end of the inlet pipe, said inlet pipe having apertures communicating with the interior of the casting when the valve is in open position and foot operated mechanism attached to the lower end of the inlet pipe.

1,559,637. FINISHING MACHINE. FRANK A. E. MARSH, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 5, 1925. Serial No. 578. 9 Claims. (Cl. 12—105.)



2. A finishing tool comprising a carrier member, sectional work-rubbing members, flat springs attached to said carrier member at one end and supporting the sectional members at their other ends, and a cushion of relatively soft material interposed between the free ends of the springs and the carrier member.

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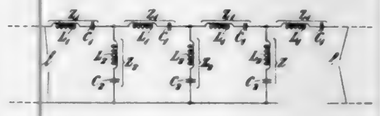
1,559,638. WAVE FILTER. WILLIAM H. MARTIN, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 26, 1920. Serial No. 376,763. 9 Claims. (Cl. 178—44.)



1. A wave filter for an electric circuit, said filter having a plurality of like recurrent sections, each section comprising lumped impedance in series with the circuit and lumped impedance adjacently in shunt thereto, both of said impedances being like types of resonant circuits and so proportioned that the filter approximately suppresses all frequencies lying outside a pre-assigned band extending between two frequencies other than zero or infinity and substantially completely suppresses a certain pre-assigned finite frequency other than zero.

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1,559,639. REVOLVING WINDOW SASH. JOHN MATZELLE, Cleveland, Ohio. Filed May 4, 1921. Serial No. 466,831. 5 Claims. (Cl. 20—49.)

1. In a window structure comprising a casing and a sash therein, the combination with a stile member of said sash, of a strip member interposed for lateral movement between said stile and said casing, means for pivotally connecting said members, and means preventing said strip from turning with said sash, said members having respectively an inter-engageable ridge and groove, and the first mentioned means comprising a pair of plates, one having a ridge and the other a groove respectively aimed with the first mentioned ridge and groove, and one plate having a tubular boss and oppositely disposed projections spaced therefrom and the other a central boss receiving opening and spaced depression disposed therearound to releasably receive said projections,

a pin passing through said boss, said central opening and said strip, and provided with a head, and a collar disposed at opposite sides of said strip, and a flat spring interposed between said head and the adjacent plate.

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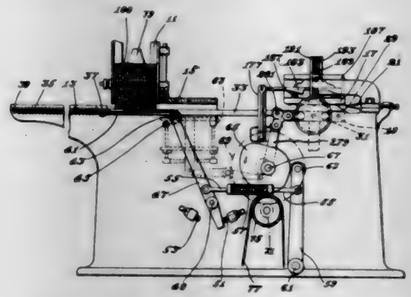
1,559,640. SPLITTING MACHINE. JAMES G. NORTON, Eltingville, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 9, 1920, Serial No. 415,810. Renewed Jan. 5, 1924. 44 Claims. (Cl. 69—11.)



1. A machine of the class described, having in combination, means for determining the amount of variation of an article with respect to a selected characteristic, and means controlled by the variation-determining means for changing that characteristic.

44. A machine of the class described, having in combination, means for determining the amount of variation of an article with respect to a dimension thereof, and means controlled by the variation-determining means for effecting a change in the article with respect to that dimension.

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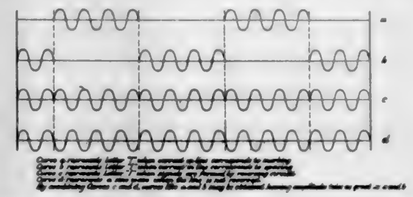
1,559,641. SIGNALING WITH PHASE REVERSALS. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 28, 1923. Serial No. 659,754. 16 Claims. (Cl. 178—66.)

1. The method of signaling, which consists in transmitting a wave of constant amplitude and frequency but reversed in phase at intervals to indicate signals, and combining at the receiving station with the wave thus



transmitted, a wave of substantially the same amplitude and frequency but unreversed in phase.

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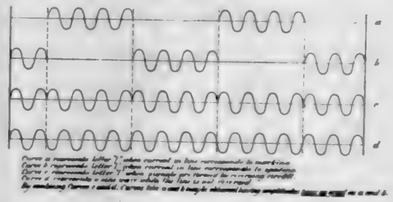
1,559,642. SIGNALING WITH PHASE REVERSALS. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 28, 1923. Serial No. 659,755. 11 Claims. (Cl. 178—66.)



1. The method of signaling, which consists in transmitting a wave of constant amplitude and frequency but reversed in phase at intervals to indicate signals, producing at the receiving station under the control of said wave a wave of similar amplitude and frequency without phase reversals, and combining the two waves at the receiving station.

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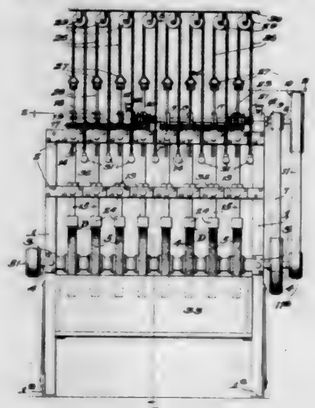
1,559,643. MACHINE FOR POLISHING OR GRINDING GLASS KNOBS AND SIMILAR ARTICLES. JAMES CHESTER POWELL, Byesville, Ohio, assignor to Cambridge Glass Company, Cambridge, Ohio. Filed Dec. 7, 1922. Serial No. 605,422. 3 Claims. (Cl. 51—105.)



1. In a polishing machine, a frame, a series of rotatable abrasive members carried by the frame, two series of vertical slidable and spaced shafts carried by the frame, means to slide the shafts, work holders carried by the

shafts, a gear on each shaft, gears mounted on the frame in the spaces between the shafts of each series and meshed with the gears of the shafts, a second gear on one shaft of each series of shafts, a horizontal shaft, a pair of gears on the horizontal shaft meshed with the respective second gears of the said two shafts, and means to drive the horizontal shaft.

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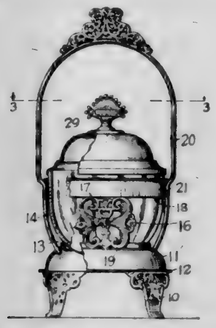
1,559,644. BOWL. MORRIS RELKIN, New York, N. Y. Filed Nov. 26, 1924. Serial No. 752,285. 3 Claims. (Cl. 65—15.)



1. A utensil of the character described comprising a stand, a sheet metal lower support forming part of said stand, a substantially horizontal outstanding flange on said support, legs attached to and curved to fit the periphery of said flange, an upper cylindrical support in said stand, a substantially horizontal slotted flange outstanding from and integral with said upper support adapted to have spoons suspended in the slots thereof, connecting members in said stand joining said upper and lower supports in spaced relation, handle members for said stand directly connected to and aiding in maintaining said upper and lower supports in spaced relation, and a removable bowl maintained in position in said stand by said supports.

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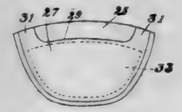
1,559,645. SHOE STIFFENER AND METHOD OF MAKING IT. FRED RICKS, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 18, 1923. Serial No. 669,429. 9 Claims. (Cl. 36—77.)



1. A toe stiffener for boots and shoes comprising a plurality of superposed layers of absorbent fabric impregnated with a thermoplastic material and securely united together, the middle portion of the upper of the layers being cut away at the rear end of the stiffener to expose an uncut portion of the lower layer whereby the rear margin of the stiffener has comparatively thick end portions and a thinner intermediate portion.

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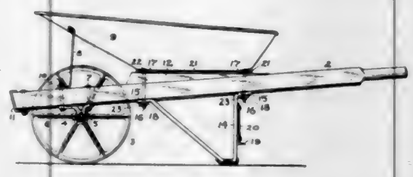
1,559,646. WHEELBARROW. RALPH R. ROEMER, Cleveland, Ohio, assignor to The Cleveland Wheelbarrow and Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 14, 1923. Serial No. 638,866. 2 Claims. (Cl. 280—52.)

1. A wheelbarrow, comprising spaced handles having a pair of legs and bracing straps at their bottom sides, separate connecting straps and a plate seated on said connecting straps at the upper side of said handles, bolts extending through said plate, straps, legs and handles uniting them together, a tray removably seated upon said



plate, and a separate set of bolts detachably securing said tray to said plate and straps at points relatively near said handles.

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1,559,647. POCKETKNIFE-DISPLAY CABINET. HENRY G. ROTH, Wheeling, W. Va., assignor to Ott-Heiskell Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Nov. 20, 1922. Serial No. 601,909. 2 Claims. (Cl. 211—16.)

1. A pocket-knife display cabinet comprising a substantially upright casing having a transparent glass door closing the front thereof, and pins mounted in the rear wall of said casing and projecting forward into the interior of the latter, said pins being arranged in pairs for supporting thereon one or more knives, the pins of each pair being relatively spaced to underlie the knife handles adjacent to opposite ends of the latter, the pins of some of said pairs being disposed in horizontal planes and being adapted to engage the handles closely adjacent to the angles formed between said handles and the depending half-open opposite end blades, and the pins of others of said pairs being disposed in inclined planes in which the uppermost pin of each pair is adapted to engage a superposed knife in the angle between the handle and a depending half-open blade, and the lowermost pin underlies the opposite end of the handle.

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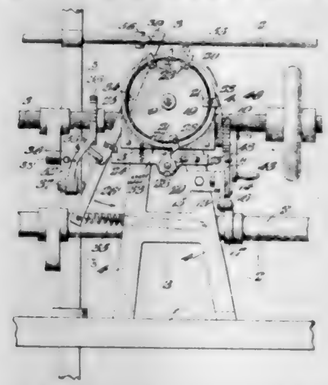
1,559,648. AUTOMATIC-STOP FOR KNITTING MACHINES. FRITZ E. SCHULZ, Philadelphia, Pa., assignor to Schletter & Zander Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 10, 1924. Serial No. 719,043. 11 Claims. (Cl. 66—7.)

1. In a straight-bar knitting machine the combination of a main driving shaft, a cam shaft operated thereby, a disc rotatably carried by a fixed part of the machine,



trip-fingers carried by said disc, means operative between said cam shaft and disc for step-by-step movement of said disc, a toothed wheel fixed to said main driving shaft and trip-mechanism including a detent to engage



said wheel and a pivotal finger arranged in the path of travel of said trip-fingers for stopping retrograde movement of said main driving shaft.

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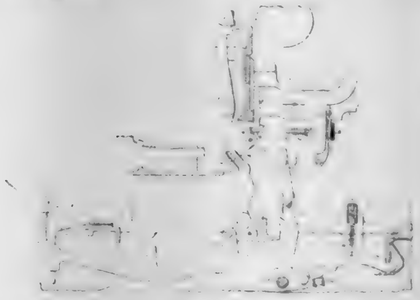
1,559,649. TYPEWRITING MACHINE. GEORGE A. SEIB, Ilion, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Nov. 28, 1923. Serial No. 677,361. 13 Claims. (Cl. 197—27.)



1. In a type action for typewriting machines, the combination of a type bar that turns always on a single fixed pivot, a finger key, and intermediate actuating connections which include a close sliding fit pin and slot connection between the type bar and one of its actuating members which limits the depression of the key before the type bar reaches the printing position.

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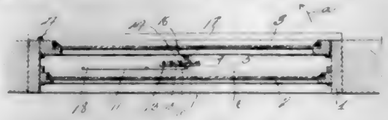
1,559,650. STORM-WINDOW HOLDER. SEVERT M. SEVERSON, Albert Lea, Minn. Filed Mar. 6, 1923. Serial No. 623,131. 1 Claim. (Cl. 292—263.)



The combination with a hinged storm window, said window being carried by a window frame, a sash slidably mounted in the window frame, of an adjusting and holding device for said storm window and entirely disposed between the storm window and the window sash, said adjusting and holding device comprising an arm pivotally connected to the storm window, said arm being formed from a plurality of pivotally connected sections foldable into registration with each other, and a clamping device carried by the window sill between the sash and storm window and cooperating with all of said plurality of pivotally connected sections, said clamping member comprising a U-shaped bracket, said bracket having its transverse portion downwardly offset, thereby forming shoulders between which the pivoted sections of the arm extend, a clamping jaw carried by one of said shoulders and pivotally connected thereto, and a set screw extending through said jaw and the transverse portion of the bracket for securely clamping the arm between the jaw and bracket and the shoulders carried by the bracket.

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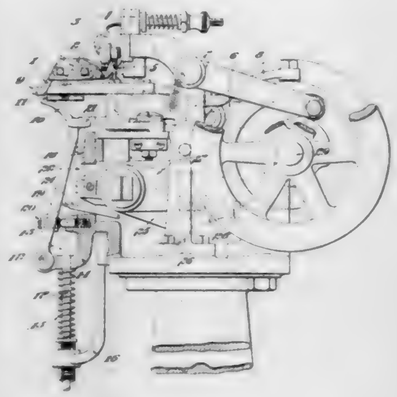
1,559,651. STITCH-SEPARATING MACHINE. JOHN SMITH, Earls Barton, and FRED RICKS, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 13, 1921. Serial No. 484,367. 9 Claims. (Cl. 12—41.)



9. A machine of the class described having, in combination, an indenting tool, means for actuating the tool to cause it to locate the intervals between stitches on a shoe sole and to feed the work, a rigid work rest having a single arm arranged at the side of the indenting tool toward which the work is fed to leave the space on the other side of the tool unoccupied for feeding the work close to the heel, and a work support under the tool to hold the work against the rest.

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1,559,652. METHOD OF TREATING CERAMIC MIXTURES. HARRY SPURRIER, Chicago, Ill. Filed Jan. 24, 1924. Serial No. 688,351. 5 Claims. (Cl. 25—156.)

1. The process of treating ceramic mixtures consisting of evacuating the gases from the mass, and suddenly breaking the vacuum.

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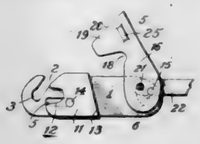
1,559,653. CHAIN LOCK. CHARLES A. STUCKER and WILLIAM MCCANDLESS, Davenport, Iowa. Filed July 28, 1923. Serial No. 654,372. 9 Claims. (Cl. 24—241.)

1. A lock of the character described for connecting the ends of a chain comprising a body having a slot therein to receive one end of the chain, a slide carried by the body and adapted when in one position to close

the slot and when in another position to open the slot, and a latch connected to the body and adapted when in one position to engage the slide for holding it in position to close the slot and when in another position to allow free movement of the slide upon the body, the opposite end of the chain being connected to the latch.



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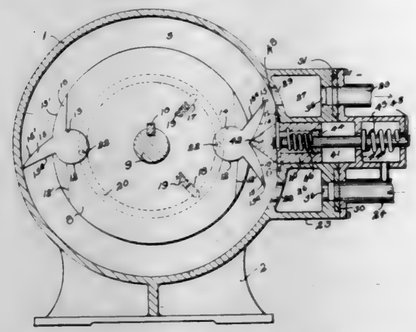
1,559,654. FLUID MOTOR. JOHN SWENDIG, Harrison, and GEORGE H. LAWRENCE, Coeur d'Alene, Idaho. Filed July 25, 1922. Serial No. 577,313. 5 Claims. (Cl. 121—93.)



1. The combination in a fluid motor with its casing and rotor and admission and exhaust ports for said casing, of an, oscillatable piston carried by said rotor having opposed spreading-vanes, a normally fixed abutment in the path of movement of said vanes and adapted to oscillate said piston, and locking means on said abutment adapted to be released by contact from a piston vane whereby when the motor is reversed said abutment is withdrawn from normal position.

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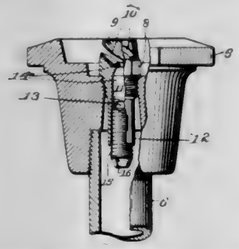
1,559,655. SPRINKLER HEAD. WALTER VAN E. THOMPSON, Los Angeles, Calif. Filed Jan. 16, 1923. Serial No. 613,023. 2 Claims. (Cl. 299—18.)



1. A sprinkler head comprising an outer casing having a central aperture therethrough, said aperture being of different diameters, portions of the casing forming said aperture being threaded; a spray member having a slot therein in the head thereof and a central bore of different diameters extending from near the top of the head to and through the body, said spray member being removably secured in said outer casing, said spray member having a body of less diameter than the aperture in the outer casing below its engagement with the casing and having transverse ports near the upper part of said body which is below its engagement with the casing; and being internally threaded; and an externally screw threaded plug in said body adapted to wholly or partially close said ports.

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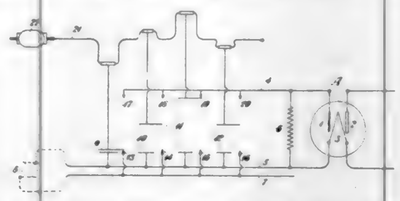
1,559,656. METHOD OF AND MEANS FOR INCREASING VOLTAGES. I. JAY THORP, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 26, 1921. Serial No. 464,709. 3 Claims. (Cl. 179—171.)



1. A source of potential, a device to which voltage from said source is to be applied, a condenser having its plates connected to said source, mechanical means for periodically and uniformly pulling one of the plates of said condenser away from the other while maintaining the charge thereon constant, and means for discharging said condenser plate on said device.

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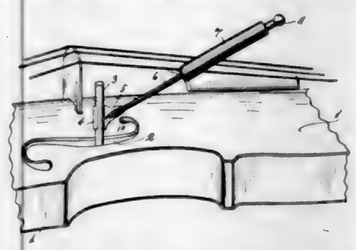
1,559,657. VIOLIN-SOUND-POST SETTER. CHARLES H. TODD, New Richmond, Wis. Filed May 22, 1923. Serial No. 640,674. 14 Claims. (Cl. 84—277.)



13. A violin sound post setting device comprising, a semi-cylindrical sleeve for receiving the sound post, a support extending at an inclination to the axis of said sleeve, and means carried by and movable longitudinally of said support toward said sleeve and into contact with said post.

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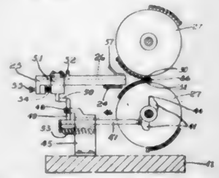
1,559,658. PRESS FOR EMBOSSING METAL. ALBERT B. UNDERWOOD, Cincinnati, Ohio, assignor to The Edwards Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 1, 1923. Serial No. 665,813. 6 Claims. (Cl. 101—5.)



1. In a device of the class described the combination with rotatable rollers, co-operating dies mounted on the peripheries of the rollers, cams on the side of one of the rollers, a grooved guide mounted with its one end adjacent the rollers, a feed block mounted for reciprocation on the guide, fingers on the block and extending into the grooves in the guide and means comprising a spring, a cam rod, a lever and a link for reciprocating the feed block as the rollers are rotated.



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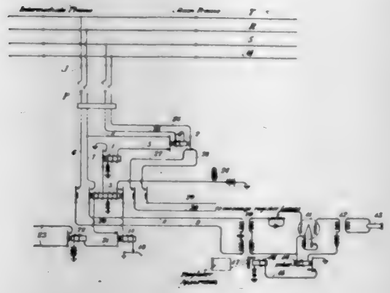
1,559,659. SERVICE-OBSERVING EQUIPMENT FOR AUTOMATIC TELEPHONE SYSTEMS. JAMES N. WALTERS, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 27, 1923. Serial No. 648,083. 4 Claims. (Cl. 179—27.)



1. In an automatic telephone system, a subscriber's line terminating at a central office, a service observing circuit, switching means at said central office for bridging said observing circuit across said line, said observing circuit including a vacuum tube amplifier and a polarized relay in the plate circuit of said tube.

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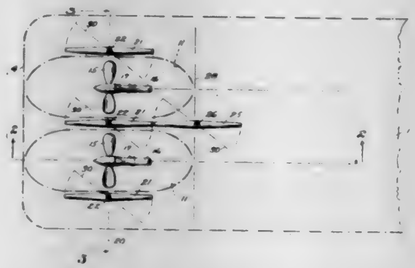
1,559,660. RUDDER CONSTRUCTION FOR TOW-BOATS. CHARLES E. WARD, Charleston, W. Va., assignor to The Charles Ward Engineering Works, Charleston, W. Va., a Corporation of West Virginia. Filed Apr. 8, 1925. Serial No. 21,680. 13 Claims. (Cl. 114—163.)



1. In a tow boat the combination of a plurality of chambers; a propeller located in each chamber; pair of rudders associated with each chamber; and an additional rudder longitudinally disposed to one of the rudders in said pair of rudders.

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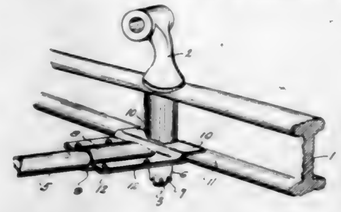
1,559,661. RADIUS-ROD SUPPORT. ANGELO C. ANTOINE, Mobile, Ala. Filed Aug. 11, 1924. Serial No. 731,388. 3 Claims. (Cl. 267—66.)

1. A radius rod attachment of the character described, comprising a pair of elements, means to clamp them about the radius rod adjacent to the axle, means on one element forming a shoulder adapted to engage a shoulder on the radius rod so as to positively prevent endwise slippage thereon away from the axle, and means on the other element adapted to overhang a part of the axle, as and for the purposes described.



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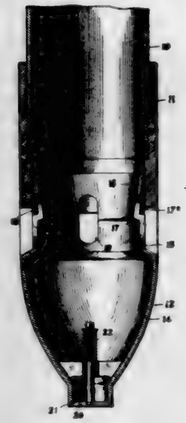
1,559,662. CASING-SHOE GUIDE. REUBEN C. BAKER, Coalinga, Calif., assignor to Baker Casing Shoe Company, a Corporation of California. Filed Mar. 14, 1923. Serial No. 624,948. 1 Claim. (Cl. 166—4.)



In combination with a well casing, a guide member adapted to be fitted to the end thereof to protect and guide said casing, said guide member comprising a hollow body portion, a sleeve formed as a continuation of the upper end of said body portion, the upper end of said sleeve being upwardly and outwardly tapered and insertible in the end of the casing, the lower end of said sleeve being of a diameter substantially the same as the largest diameter of said tapered portion whereby a shoulder will be formed between said tapered portion and the remainder of the sleeve, segmental wedges surrounding said tapered portion above said shoulder, said wedges having tapered inner faces coinciding with the taper of said tapered portion of the sleeve, and serrated outer faces engageable with the interior surface of said casing, said sleeve having openings formed therein whereby said wedges may be driven upwardly to firmly hold the guide member in place on the casing.

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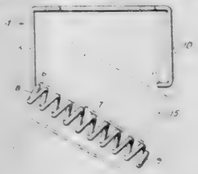
1,559,663. TOILET-PAPER HOLDER. ERNEST S. BALDWIN, Oakland, Calif. Filed Aug. 4, 1924. Serial No. 730,104. 1 Claim. (Cl. 211—31.)

A toilet paper holder comprising a wire frame and a cylindrical core of wire, the frame formed with a flat portion having a pair of arms projecting angularly therefrom and the core formed with a central opening at each end thereof, the end of one arm of the frame formed

with an eye to hingedly and inseparably engage the core through one of its end openings, and the end of the other arm of the frame formed with a hook for the removable insertion of the latter through the opposite end



opening in the core, and the flat portion formed with an eye adjacent each arm for the reception of wall securement means therefor and also to provide reislience to effect insertion and disinsertion of the hooked end of the arm in the said core opening provided therefor.

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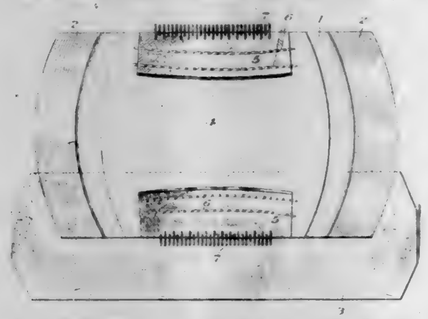
1,559,664. BLOW-OUT BOOT. JOHN A. BARNES, Dallas, Tex., assignor to Fowler Company, Incorporated, Dallas, Tex., a Corporation. Filed June 16, 1925. Serial No. 37,488. 5 Claims. (Cl. 152—24.)



2. A blow-out boot comprising a body portion, a reinforcing and strengthening strip positioned along the edge of the body portion with its outer edge flush with the edge of the said body portion, means for attaching said reinforcing and strengthening strip to said body portion at a point remote from the edge of the body portion, and fastening means passing through said reinforcing and strengthening strip and through the body portion of the boot.

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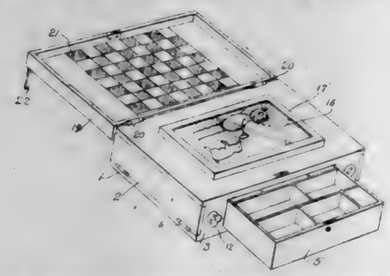
1,559,665. EDUCATIONAL DEVICE. RAY C. BEERY, Pleasant Hill, and ROBERT CRAIG, Dayton, Ohio; said Craig assignor to said Beery. Filed Mar. 14, 1924. Serial No. 699,174. 1 Claim. (Cl. 35—12.)



An educational device comprising a permanent transparent writing surface and a strip containing a series of illustrations adapted to be successively presented immediately beneath said surface and in contact therewith, whereby the several illustrations may be traced on said writing surface as desired.

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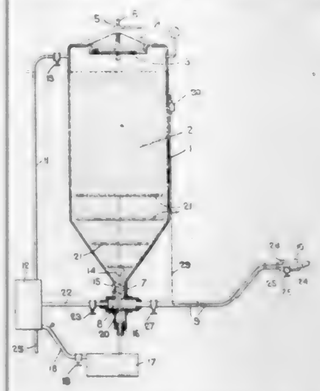
1,559,666. PNEUMATIC PLASTERING MACHINE. NAPOLEON M. BERNIER, Cambridge, Mass. Filed Mar. 12, 1925. Serial No. 14,928. 3 Claims. (Cl. 91—45.)



1. In a pneumatic plastering machine, the combination with a tank having a discharge port, of a receiving chamber with which said port communicates, a feed screw for feeding material from the tank through the discharge port into the receiving chamber, a delivery pipe connected to the receiving chamber and extending at right angles to the discharge port, a source of compressed air supply, means to connect the latter with the opposite end of the tank from the discharge port, and means for delivering air under pressure into the receiving chamber at angles to the discharge port.

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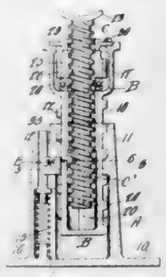
1,559,667. SCREW JACK. CHRISTIAN BIRNBAUM and EDWARD J. GUTMAN, Cleveland, Ohio. Filed Jan. 30, 1923. Serial No. 615,817. 7 Claims. (Cl. 254—102.)



7. An apparatus of the character described comprising, a base, an adjusting screw threaded into said base and having a portion of each thread cut away, a dog mounted in said base and adapted to normally enter said cut away portions to arrest the rotation of said adjusting screw in one direction and to automatically recede out of said cut away portions upon the rotation of said adjusting screw in the opposite direction and to selectively permit the rotation of said adjusting screw in either direction by manual manipulation thereof, a power screw adapted to slide unrotatably in said adjusting screw, a worm wheel mounted in said adjusting screw and threaded to said power screw, a worm mounted on said adjusting screw in mesh with said worm wheel, and a worm shaft journaled in said adjusting screw and extending outside thereof and provided with means to engage an operating handle.



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1,559,668. METHOD OF CONNECTING CABLES AND WIRES. HAROLD M. BROWN and WILLIAM G. BROWN, Chicago, Ill. Filed Apr. 7, 1923. Serial No. 630,459. 4 Claims. (Cl. 29—155.5.)

1. The method of securing conductors of electricity in electric connection and to permit convenient release thereof, which comprises placing portions of said conductors in a retaining member having intersecting openings, and then pressing soft metal upon said portions within said openings to lock said conductors in position so that said metal and portions may be pressed back for withdrawing said conductors.

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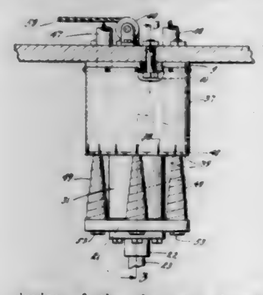
1,559,669. LIGHTING-FIXTURE HOLDER. HAROLD M. BROWN, Chicago, Ill., assignor of one-half to Oscar E. Fuchs, Chicago, Ill. Filed Sept. 26, 1924. Serial No. 740,002. 21 Claims. (Cl. 240—66.)



3. In a device of the character described, the combination with a supporting body having a retaining seat, a rotatable sleeve having means adapted to rest in said seat, a stud member extending into the sleeve and having means affording a guide in the supporting body, means whereby to support the stud member on the rotatable sleeve, a base member secured to the stud member, and cooperative terminal contacts carried by said supporting body and said base member respectively.

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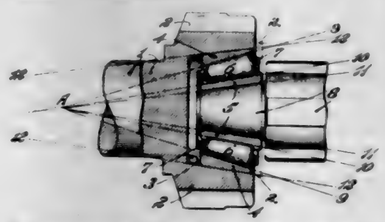
1,559,670. POCKET-BEARING CONSTRUCTION. TRACY V. BUCKWALTER, Canton, Ohio, assignor to Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed June 21, 1924. Serial No. 721,459. 3 Claims. (Cl. 308—214.)



1. The combination of two shafts in axial alinement and a conical roller bearing between them, one of said shafts having an axially conically recessed gear at the end thereof, and the adjacent end of the other shaft being tapered and extending inside of the recess, said bearing comprising a cone mounted on said tapered end and conical rollers, and the apex of the inner surface of said cone being substantially coincident with the apex of the outer or bearing surface thereof.

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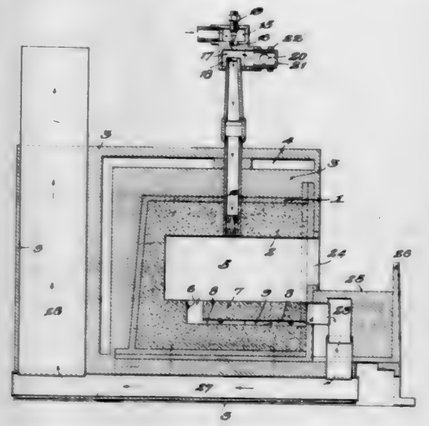
1,559,671. SOLDERING-IRON FURNACE. ERNEST L. BULLOCK and ELMER S. UMSTEAD, Providence, R. I. Filed Apr. 27, 1925. Serial No. 26,076. 9 Claims. (Cl. 158—7.)



1. A soldering iron furnace comprising a chamber lined with fire brick and having a recessed bottom, and a loose fire brick in the bottom recess defining therewith an outlet passage to a flue.

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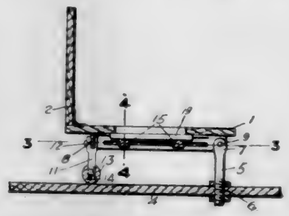
1,559,672. AUTOMOBILE DRIVER'S SEAT. ALFRED ERNEST BUNT, Toronto, Ontario, Canada. Filed Apr. 10, 1925. Serial No. 22,175. 1 Claim. (Cl. 155—14.)



In an automobile seat, the combination with the seat frame, of a U-shaped supplemental frame having longitudinally sloted side arms, standard supports upon which the ends of the side arms are pivotally mounted, transverse bars having reduced ends slidable within the slotted arms of the supplemental frame, means for securing the transverse bars from moving within the slotted arms, and a support for the rear portion of the supplemental frame.

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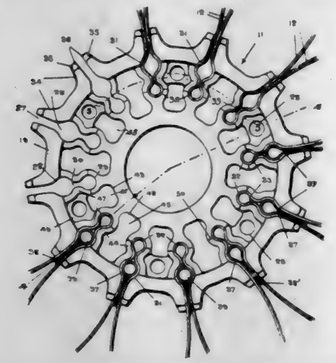
1,559,673. WHEEL-HUB CONSTRUCTION. JOHN WORTH CARNAHAN, Washington, D. C., assignor to Carnahan Industrial Engineering Corporation, Bridgeport, Conn., a Corporation of Delaware. Filed July 19, 1922. Serial No. 575,975. 7 Claims. (Cl. 301—80.)

1. A spoke-holding member having spoke-receiving slots and resilient portions along the edges of said slots, and

spokes formed from strips driven edge-wise into said slots, said member and spokes having a tapering fit



so that said portions are sprung and brought under strain when the spokes are driven into the slots.

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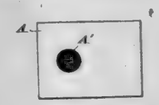
1,559,674. COLOR MOTION-PICTURE PHOTOGRAPHY. ARTHUR W. CARPENTER, New York, N. Y. Filed Jan. 18, 1923. Serial No. 613,405. 10 Claims. (Cl. 88—16.4.)



1. The method of making pictures in a plurality of colors for projection upon a viewing screen, consisting of making a plurality of photographic negatives by taking a separate exposure of each of a plurality of objective views each of said views representing a different portion of a complete view that is to appear in the completed picture, making a separate positive print from each of said negatives, independently coloring each of said prints with a different arbitrarily selected color, whereby that part of each print forming a part of the picture will be distinctively colored, and superposing said prints to form a single picture area upon material permitting the passage of light.

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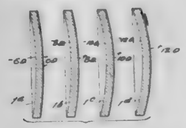
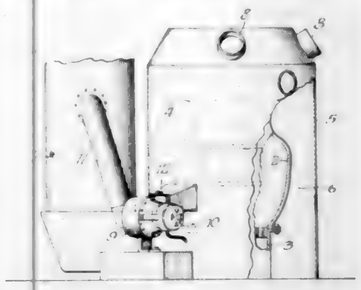
1,559,675. SET OF FUSED BIFOCAL-LENS BLANKS. GEORGE A. CLEMENT, Mount Vernon, N. Y., assignor to Patent Optical Company, Inc., a Corporation of Delaware. Filed July 1, 1924. Serial No. 723,481. 3 Claims. (Cl. 88—54.)



1. A product in the manufacture of bifocal lenses that have their entire bifocal sides finished entirely to continuous curves, comprising a set of bifocal lens blanks progressing from lowest to highest addition and each formed by fusing a small piece of glass having a relatively high index of refraction into a plus countersink in the plus side of a major piece of glass of lower index of refraction, the set being made up of a plurality of series classified according to the finished curve on the bifocal side, the curve being the same for all the blanks of each series but different for the several series, and each series being made up of a plurality of units of progressively higher additions.

1,559,676. FURNACE. EDWARD P. COLE, Chicago, Ill., assignor to Cole Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 2, 1923. Serial No. 648,871. 8 Claims. (Cl. 126—99.)



1. The combination with a furnace comprising inner and outer casings with an intermediate air heating space having an exhaust opening at the top and a cold air duct leading into the lower end thereof, of an air circulating device arranged outside of and permitting unobstructed circulation through the cold air duct and aforesaid air heating space, and comprising a smaller duct leading from the cold air duct and terminating at the outer casing of the furnace and having a blower interposed between the ends thereof for withdrawing air from the cold air duct and discharging same into the air heating space in an upward direction.

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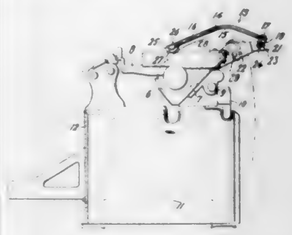
1,559,677. TYPEWRITING MACHINE. CORNELIUS B. CORCORAN, deceased, late of New York, N. Y., by Michael J. Corcoran, New York, N. Y., administrator, assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 21, 1923. Serial No. 653,041. 14 Claims. (Cl. 197—186.)



1. In a typewriting machine, the combination with a platen and a carriage therefor, of a sound-deadening and sound-absorbing canopy placed over and above the carriage and platen, said canopy including a foraminous sheet placed next to the carriage and platen, and a sheet of sound-absorbing material extended over the back of the foraminous sheet, the latter designed and intended to have the sound waves propagated by the typewriting machine strike thereon and be broken up thereby and the sheet of sound-absorbing material absorb any of said sounds that may reach it, whereby the sounds emanating from the typewriting machine that reach the canopy will be broken up, deadened and absorbed.

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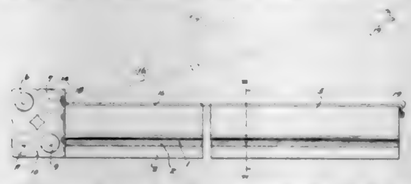
1,559,678. GAME RACK. STANLEY COWEN, San Francisco, Calif. Filed June 11, 1924. Serial No. 719,316. 5 Claims. (Cl. 273—150.)

1. In a game rack, an inclined member having a concave front surface in combination with a foot piece therebelow, said member and foot piece adapted to support a series of tiles out of contact with said concave surface and a substantially horizontal ledge adjacent said member and a plurality of counter holders mounted on a





metallic base at one end of said member said base struck up forming end stops for tiles carried on said member and on said ledge.

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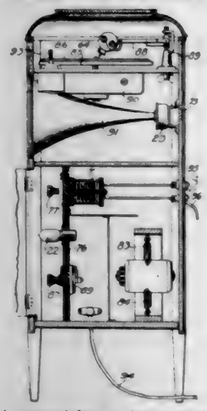
1,559,679. SIGNALING APPARATUS. EDWARD B. CRAFT, Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1922. Serial No. 548,214. 6 Claims. (Cl. 179—100.1.)



1. A cabinet comprising a loud speaking receiver, an electric phonograph reproducer, a high frequency receiving set for detecting ultra-audio frequency signals, an amplifier common to said reproducer and said receiving set and switching mechanism for causing said amplifier to be operated at times by detected high frequency signals and at other times to be operated by signals from said reproducer for effecting the operation of said loud speaking receiver.

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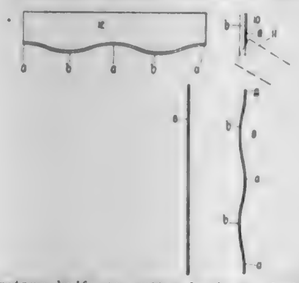
1,559,680. ROTARY KNIFE OR CUTTER. MARK THOMAS DENNE, Warlingham, England. Filed Oct. 30, 1920. Serial No. 420,783. 2 Claims. (Cl. 164—70.)



1. A rotary knife or cutter having a body provided with an annular cutting edge that is arranged to make a cut in a line at an acute angle to the axis of rotation, the portion of the body on which the cutting edge is formed being distorted in a direction transversely to the thickness thereof to form an undulating cutting edge of such a shape that it alternately advances progressively and recedes progressively in the direction of said line during the rotation of the cutter.

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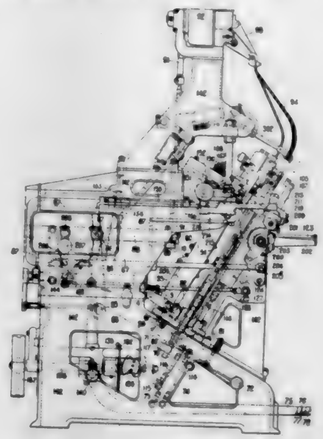
1,559,681. PULLING-OVER MACHINE. MARK THOMAS DENNE, Highgate, London, England. Filed Feb. 21, 1921. Serial No. 446,773. 13 Claims. (Cl. 12—4.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A pulling over machine having in combination, a last support, a plurality of pincers, automatic power-actuated means for actuating said pincers to lay the marginal portion of the upper over the edge of the sole of the last, and other power-actuated means operable throughout the operation and entirely under the control of the operator to bring about a relative movement of the last support and all the pincers simultaneously, to stretch the upper about the last.

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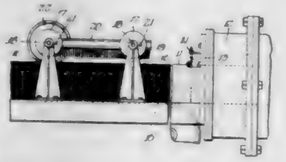
1,559,682. MACHINE FOR PRODUCING BRICK FACES. IVAN N. DOUGHTY, Danville, Ill., assignor to Western Brick Company, Danville, Ill., a Corporation of Illinois. Filed May 6, 1925. Serial No. 28,296. 12 Claims. (Cl. 25—1.)



1. Apparatus for forming plastic surfaces which comprises a plurality of elements having substantially hemispherical ends and means for bringing said ends into and out of engagement with the surface.

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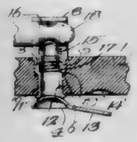
1,559,683. ELECTRIC SWITCH. HARRY A. DOUGLAS, Bronson, Mich. Filed Apr. 17, 1922. Serial No. 554,273. 1 Claim. (Cl. 173—259.)

The combination with a mounting board having an opening therethrough formed with three portions of successively increasing sizes whereby two steps or shoulders are formed in said opening; of a terminal post

having a head receivable in the opening portion of largest size and resting upon the shoulder thereat, said post being also formed with two parts of different sizes in addition to said head and formed with bores of different transverse dimensions with the larger bore in the larger part, these additional post parts substantially respec-



tively fitting the remaining two portions of said opening; a spring within the larger bore and abutting against the shoulder between the two bores; and a contact in the larger bore and pressed outwardly by said spring, said post having a flange on its end opposite the head of the post and engageable with said mounting.

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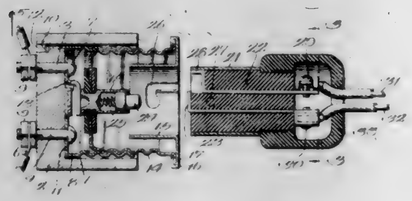
1,559,684. SOCKET. HARRY A. DOUGLAS, Bronson, Mich. Filed Oct. 20, 1923. Serial No. 669,788. 3 Claims. (Cl. 173—344.)



1. The combination with a metallic socket; of a mounting base of insulation for said socket; two binding posts upon said base; and a leaf spring contact within said socket secured to said base by one of said binding posts and extending across the axis of said socket which has an ear portion secured to said base by the other binding post.

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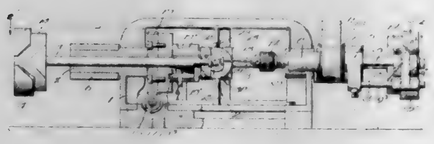
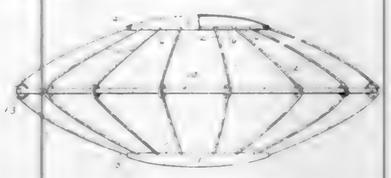
1,559,685. DRILLING MACHINE. HARRY A. DOUGLAS, Bronson, Mich. Filed Nov. 1, 1923. Serial No. 672,114. 1 Claim. (Cl. 77—21.)



A work holder including two substantially parallel work-holding pins each formed with a recess on a side thereof opposite the recessed side of the other; a support for said pins; and tool guides, each recess having a guide aligned therewith.

1,559,686. MATTRESS. CHARLES Z. EDELSON, JACOB GOLDEEN, and MILTON D. TARLOW, Portland, Oreg. Filed Feb. 4, 1924. Serial No. 690,654. 5 Claims. (Cl. 5—351.)



3. In a mattress, the combination of an octagonal ring; a pair of convex covers placed above and below the center of said ring; a plurality of bow springs loosely hinged on said ring and having their ends hinged to said cover.

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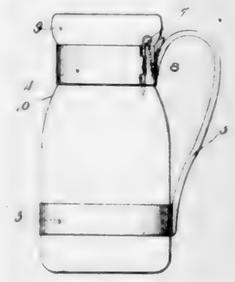
1,559,687. BOTTLE HOLDER. SALLY FAIRCHILD, Concord, N. H. Filed Apr. 8, 1924. Serial No. 705,043. 1 Claim. (Cl. 215—100.)



A bottle holder comprising a solid lower band, an upper band consisting of two arcuate portions hinged together, a handle rigidly interconnecting said lower band and one of said portions of the upper band intermediate its ends, the hinge connection between said upper band portions being remote from the connection between the handle and said upper band, and means for connecting together the free ends of said arcuate portions to provide a firm band for clasping the neck of the bottle below the lip thereof when the holder is applied to the bottle over the top thereof.

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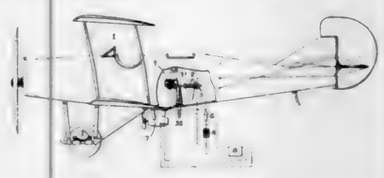
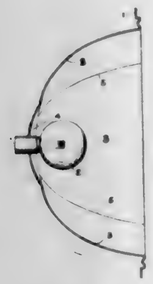
1,559,688. APPARATUS FOR PHOTOGRAPHIC CARTOGRAPHY. SHERMAN M. FAIRCHILD and EDMUND R. MORTON, New York, N. Y.; said Morton assignor to said Fairchild. Filed Mar. 1, 1923. Serial No. 622,039. 4 Claims. (Cl. 95—125.)



1. In combination with an aeroplane, a camera mounted with freedom for adjustment on said aeroplane, a gyroscope for positioning the camera, and means for causing the gyroscope to precess continually in substantial coincidence with a radius of the earth.



1,559,689. AUTOMOBILE HEADLIGHT REFLECTOR. CHARLES GENTLE, Hamilton, Ontario, Canada, assignor of one-half to Alexander Donald, Hamilton, Province of Ontario, Canada. Filed Mar. 20, 1924. Serial No. 700,638. 6 Claims. (Cl. 240—41.)



1. In a parabolic automobile headlight reflector, in combination a central parabolic reflecting portion, a plurality of non-parabolic reflecting portions depressed in the wall of the reflector and arranged around the parabolic portion, and ribs separating the non-parabolic portions and extending from the vicinity of the forward edge of the reflector to the outer edge of the parabolic portion.

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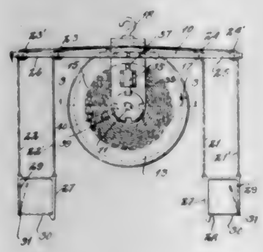
1,559,690. TOBACCO-LEAF CONVEYER. JULIUS GOLON, Suffield, Conn. Filed June 30, 1925. Serial No. 40,559. 2 Claims. (Cl. 254—140.)



1. In a tobacco leaf conveyer, a plurality of rotating spring controlled drums, groups of cables on each drum, frames at the ends of said cables, each comprising a straight bar and a shouldered side bar, a lower bar pivotally attached to said straight bar and adapted to rest upon the shoulder of said side bar allowing insertion of a load into said frame and closing of the bottom thereof.

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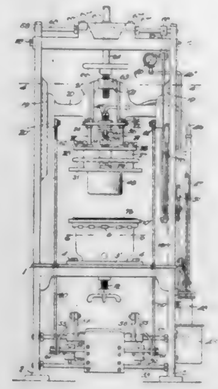
1,559,691. APPARATUS FOR IRONING HATS. FRANCISCO GONZALEZ and MIGUEL SUAREZ, Habana, Cuba. Filed June 12, 1922. Serial No. 567,731. 2 Claims. (Cl. 223—81.)

1. An apparatus for ironing hats, comprising, a supporting structure, a male last, a female last, a movable frame carried by the supporting structure and carrying the male last, frame moving mechanism for interengaging the lasts, and a second means for forcing the lasts together, said second means comprising, a threaded shaft adjustably threaded into said movable frame, and having a smooth portion slidable in an apertured portion of the supporting structure, and means for exerting pressure on the free end of the threaded shaft, whereby to force the lasts into closer engagement, the last said means comprising, a pivoted operating lever, a pivoted shaft positioned adjacent the apertured portion of the supporting



structure, a link connection between the operating lever and pivoted shaft, and a cam member, carried by the pivoted shaft, and operable by the operating lever, to bear against the end of the threaded shaft.

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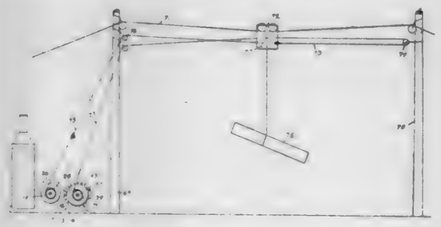
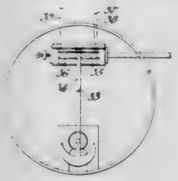
1,559,692. INTERGEARED SKYLINE LOGGING ENGINE. SIDNEY B. GORBUTT, Portland, Oreg., assignor to Willamette Iron and Steel Works, Portland, Oreg. Filed Mar. 5, 1924. Serial No. 697,039. 3 Claims. (Cl. 254—185.)



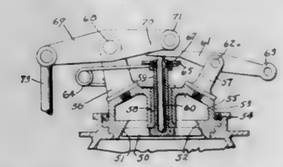
1. In an intergeared logging engine, the combination of spaced frame members; a drive shaft mounted across said frames; unequal pinions secured on said drive shaft; a skidding drum shaft journaling across said frames; a skidding drum loose on said skidding drum shaft; a skidding gear tight on said skidding drum shaft and meshing with the smaller pinion; a band friction between said skidding drum and its gear; an air-actuated friction applying means for said band; a haulback drum shaft mounted across said frame; a haulback drum secured on said haulback drum shaft; a haulback gear loose on said haulback drum shaft and meshing with the larger pinion; a band friction between said haulback gear and drum; a holdback gear loose on said haulback shaft; a band friction between said holdback gear and haulback drum; and means for actuating said bands on said haulback drum consisting of a cylinder mounted between each gear and its drum, having a piston and levers arranged to actuate said bands, with valve means for admitting air to either the cylinder on the holdback or haulback gear side of said haulback drum and to exhaust air from the opposite cylinder.

1,559,693. ELECTRIC CONTROL SYSTEM. JOHN C. HALE, Tarrytown, N. Y., assignor to Research Corporation, New York, N. Y. Filed Nov. 2, 1921. Serial No. 512,368. 6 Claims. (Cl. 200—56.)



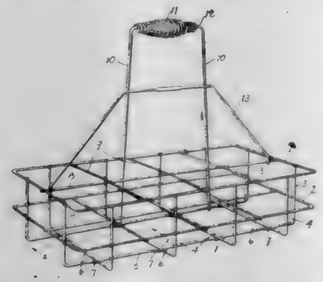
1. In an instrument of the class described, the combination with an indicating pointer, of conductors disposed on opposite sides of the pointer in planes substantially parallel with the plane of motion of the pointer, means for angularly moving the conductors about an axis in the said plane of motion and an electric circuit having its ends connected to the said conductors.

1,559,694. INTERNAL-COMBUSTION-ENGINE VALVE. WILLIAM HARPER, Jr., New Bloomfield, Pa., assignor, by mesne assignments, to Gas Turbine Corporation, New York, N. Y., a Corporation of Delaware. Original application filed May 12, 1919, Serial No. 296,358. Divided and this application filed Dec. 8, 1921. Serial No. 520,911. 3 Claims. (Cl. 123—90.)



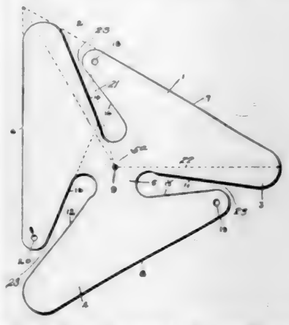
1. In an internal combustion engine, a spring closed exhaust valve provided with a hollow stem, an actuating rod in the stem, a lever engaging said actuated rod, and a rocker engaging said lever at spaced points so as to suddenly vary the leverage during opening of the valve.

1,559,695. BOTTLE CARRIER. CHARLES T. HATCH, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich. Filed Apr. 4, 1925. Serial No. 20,689. 3 Claims. (Cl. 220—19.)



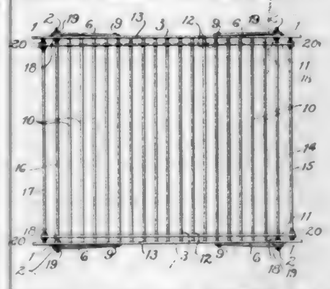
1. The combination of top and side frame members comprising integral side and end portions, upright side and end members secured to the inner sides of said frame members, said side and end members having longitudinal and transverse bottom bars integral therewith, the longitudinal bottom bars being disposed below the transverse bottom bars and having downward offsets therein in which the transverse bottom bars are disposed so that the upper edges of the longitudinal and transverse bars are in substantially the same horizontal plane, the offsets of said longitudinal bar constituting supporting feet for the carrier, the side frame member being disposed in a plane above the bottom bars, and longitudinal and transverse partition members disposed in crossed relation with their ends secured to the end and side portions respectively of the frame members providing compartments with the transverse and longitudinal bottom bars intersecting centrally thereof providing bottoms for the compartments.

1,559,696. PIN WHEEL. JOHN HEBERLING, Rochester, N. Y., assignor to Bastian Brothers Company, Inc., Rochester, N. Y., a Corporation of New York. Filed May 31, 1924. Serial No. 716,939. 1 Claim. (Cl. 46—14.)



A wind wheel blank having a central portion and three symmetrically arranged blade forming elements, each connected to the central portion by a reduced neck, said blade forming elements having two oppositely extending arms, the distance between the extreme end of one arm and the center of the central portion being greater than the distance between the extreme end of the other arm and the center of the central portion and the elements being separated by recesses whose mouths lie entirely to one side of straight lines drawn from the center of the central portion to those outermost portions of the blade forming elements which are to form the tips of the blades, said recesses being of such shape that when the shorter arms are curved over the longer arms, the resisting surfaces formed by such shorter arms will extend less than one half of the lengths of the blades.

1,559,697. PORTABLE TOURIST'S GRATE. MELVIN G. HENN, St. Louis, Mo. Filed Sept. 13, 1922. Serial No. 587,945. 6 Claims. (Cl. 126—30.)



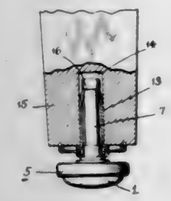
1. A portable tourist's grate consisting of a plurality of substantially parallel grid bars, a pair of oppositely disposed distance bars extending transversely to the grid bars and having means for holding the grid bars against lateral movement, a side bar corresponding to each distance bar operating to hold the grid bars against longitudinal movement, and means for securing the side bars and the distance bars together.



1,559,698. COMB AND CLIP. LEO A. HENTER, Hot Springs, Mont. Filed Mar. 17, 1924. Serial No. 699,907. 4 Claims. (Cl. 24—3.)

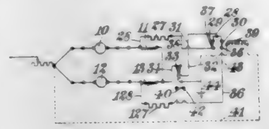
1. In a device of the class described the combination of a comb, and a U-shaped clasp secured to the comb and comprising an attaching leg secured to the comb by means of rivets which at the opposite side of the comb from the side to which the leg is secured provide a pair of spaced projecting heads, a bight portion extending upwardly of the end of the comb in an arcuate relation thereover, and a resilient tongue extending along the opposite side of the comb from that side adjacent which the attaching leg is secured, said tongue providing at its free end a ball shaped head extending into the space between the projecting heads of said rivets.

1,559,699. FURNITURE SHOE. WALTER F. HEROLD, Newark, N. J., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 5, 1921. Serial No. 520,199. 1 Claim. (Cl. 16—42.)



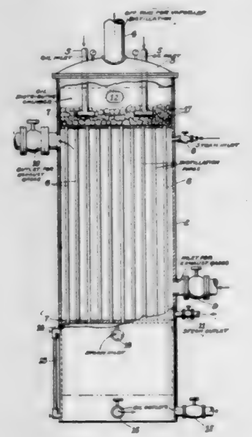
In a furniture shoe of the factory shoe type, the combination of a cast bearing member having a rounded lower surface, the lowest point of which is at the center thereof, adapted to slide on the floor and having a central recess extending downwardly from its upper surface, a disc having a central opening therein, a surface adapted to bear against the upper surface of said member and a downturned edge secured to the edge portion of said member, and a pintle having its lower end extended through the opening in said disc into said recess, and having an enlargement in said recess, and a shoulder above the disc, said parts serving to rivet the pintle fixedly to the disc.

1,559,700. ELECTRICAL CURRENT-OPERATED CONTROLLING MECHANISM. LESLIE BARNETT HEWITT, London, England. Filed Aug. 22, 1923. Serial No. 658,750. 13 Claims. (Cl. 172—179.)



2. An electric motor control system, comprising the combination with the electric motor of a device for varying the ratio of the current passing through the motor armature to that passing through the field circuit, by weakening the latter, a magnet coil receiving the motor current and comprising a plurality of coil parts, an armature for said coil, operative connections between the coil armature and the field-weakening device whereby the latter is controlled by the said coil armature, and means comprising a current-supply lead to each coil part and so arranged that currents of different magnitude, by being passed through different lengths of the coil, can have the same operative effect upon the coil armature.

1,559,701. METHOD OF DISTILLING OIL. LEON E. HIRT, Los Angeles, Calif. Filed Mar. 2, 1920. Serial No. 362,678. 5 Claims. (Cl. 196—85.)

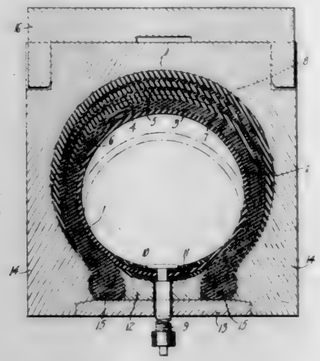


1. The method of distilling oil, comprising producing a flow of the oil in thin films through a series of tubes in which the distillation takes place and pressing a gaseous medium other than the hydrocarbon being distilled through the tubes to mechanically remove vaporized constituents of the oil, substantially as described.

1,559,702. VULCANIZING PROCESS. ERNEST HOPKINSON, New York, N. Y. Original application filed Mar. 7, 1921, Serial No. 450,193. Divided and this application filed Jan. 8, 1924. Serial No. 684,932. 3 Claims. (Cl. 18—53.)

1. That method of vulcanizing tire tubes and casings which consists in, assembling an incompletely vulcanized annular tube and casing in nested relation with a sub-

stance between them preventing their union during vulcanization, completely enclosing the nested tube and



casing in mold members, and simultaneously vulcanizing both the tube and casing while maintaining a wall-compacting fluid pressure on the interior of the tube.

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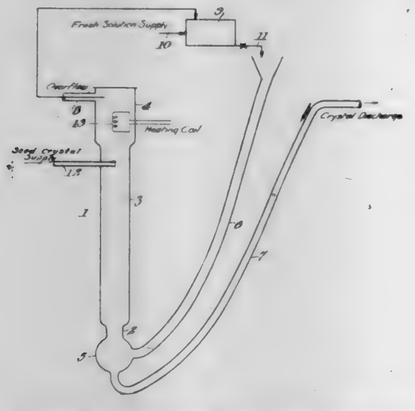
1,559,703. PROCESS AND APPARATUS FOR CRYSTALLIZATION. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 5, 1923. Serial No. 649,715. 13 Claims. (Cl. 23—273.)




1. Process of crystallizing which comprises maintaining a suspension of crystals of a material to be crystallized in an ascending current of a solution of the material, inducing the deposition of material from said solution upon the crystals in suspension, and supplying crystals to be grown to said ascending current of solution by introducing a relatively small stream of a supersaturated solution of the material into said ascending current of solution.

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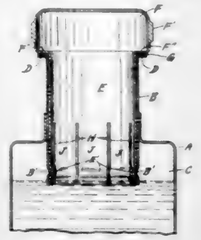
1,559,704. FILLER TUBE AND PLUG. GEORGE E. HUBBARD, Hastings, Minn. Filed Dec. 20, 1924. Serial No. 757,294. 1 Claim. (Cl. 220—24.)

In a filler tube plug for containers the combination of a fixed tube in the container and communicating with the interior thereof, a filler plug comprising a tubular body adapted to be slidably inserted in said fixed tube, an enlargement on the plug adapted to serve as a hand hold, said fixed tube having a circular inwardly directed groove adjacent its inner end and said tubular body of the plug having a circular inwardly directed groove portion adapted to frictionally engage the first mentioned groove and yieldable means for disengaging said grooved



parts to release the plug, said disengaging means consisting of a number of circularly arranged, elongated resilient tongues formed of the lower end of said plug by cutting slits longitudinally therein from its bottom end.

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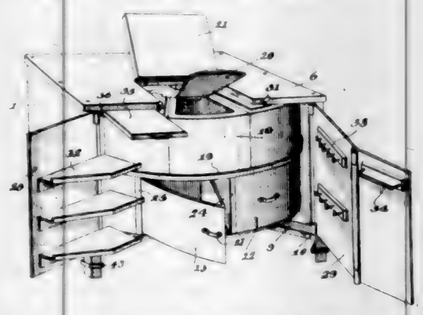
1,559,705. ROTARY KITCHEN CABINET. JOHN W. JACKSON, Augusta, Ga. Filed Dec. 21, 1922. Serial No. 608,221. 7 Claims. (Cl. 211—21.)



1. A cabinet including a housing, a shaft revoluble and detachably mounted within the housing, a series of receptacles detachably supported upon the shaft, a top detachably mounted on the housing and forming a journal for the upper end of the shaft, a door arranged in the top in such position that the uppermost receptacles may be brought into registration therewith, and doors on the sides of the housing for affording access to others of the receptacles.

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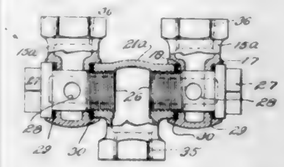
1,559,706. PIPE FITTING. JOHN F. JENNINGS, Cleveland, Ohio. Filed June 30, 1923. Serial No. 648,686. 3 Claims. (Cl. 277—18.)



1. In combination, a faucet having passage-ways extending transversely therethrough, a hollow bolt having a shoulder engaging one side of the faucet and having a shank extending through the faucet and projecting beyond the opposite side, there being a passage-way extending laterally through the bolt and providing communication between the interior of the bolt and the interior of the faucet, and a discharge member in threaded engagement with that portion of the bolt protruding from the faucet, the end of the bolt adjacent the member being open to provide communication between the member and the interior portion of the bolt.



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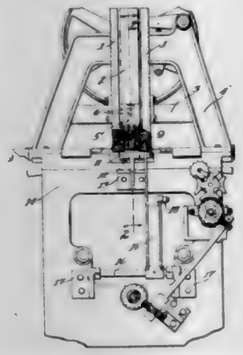
1,559,707. COLLAPSED-CARTON-FEEDING DEVICE FOR CARTON-FILLING MACHINES. RUEL A. JONES, Covington, Ky., assignor to R. A. Jones and Company, Incorporated, Covington, Ky., a Corporation of Kentucky. Filed Dec. 17, 1921. Serial No. 523,237. 9 Claims. (Cl. 271—44.)



1. The combination of a magazine for holding a stack of normally collapsed cartons, an ejector for extracting the end carton of the stack from the magazine providing a base support for the cartons in the magazine, having a pair of tangs for sustaining the carton at two points along a rear edge of the carton, means for reciprocating said ejector, and yielding means intermediate of said tangs for sustaining the carton at a forward edge.

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1,559,708. MATTRESS AND METHOD OF MAKING THE SAME. WALTER HARRISON KELSEY, Hutchinson, Kans. Filed Apr. 11, 1924. Serial No. 705,910. 11 Claims. (Cl. 5—355.)

1. In a mattress, a substantially rectangular boxing, ticking adapted to be secured to the boxing to form the mattress casing, and stuffing for filling the mattress casing, the said ticking having curves at the sides and ends thereof.

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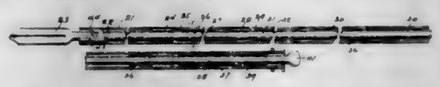
1,559,709. ROCK DRILL. MOSES ARTHUR KNAPP, Oakland, Calif. Filed Sept. 18, 1920. Serial No. 411,064. 39 Claims. (Cl. 255—42.)



1. In a rock drill, a composite drill rod comprising a tube, a rod disposed within said tube and means elastically holding the rod to the tube.

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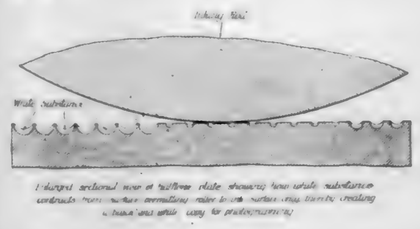
1,559,710. REPRODUCING HALF-TONE PRINTING PLATES. EDWARD A. KUNZ, Wilmette, Ill. Filed May 8, 1922. Serial No. 559,485. 3 Claims. (Cl. 95—5.7.)



Enlarged sectional view of halftone plate, showing how white substance controls more surface permitting water to run surface may thereby creating a clean and white copy for photographing

1. Steps in the improved process of reproducing a printing plate consisting in rubbing chalk upon said plate to fill up the depressions thereof but leaving the printing surface clean, hardening said chalk, rolling up the printing surface with black ink and photographing the treated plate.

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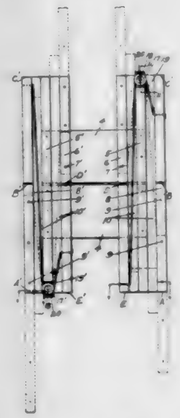
1,559,711. EXTENSION TABLE. CARL C. KUSTERER, Grand Rapids, Mich., assignor, by direct and mesne assignments, of one-third to St. Johns Table Company, Cadillac, Mich., and one-third to Albert Stickley, Grand Rapids, Mich. Continuation of application Serial No. 805,797, filed Dec. 10, 1915. This application filed Mar. 30, 1916, Serial No. 87,726. Renewed Feb. 4, 1925. 7 Claims. (Cl. 45—9.)



1. In an extension table, slides comprising a central member adapted to attach to the bridge of the table, slide members at each side secured to the opposite portions of the table top, intermediate free slides disconnected from both the bridge and the top, with clearance spaces at the top, oppositely disposed grooved pulleys on the opposite ends of the said central slides, and cable connections from the outer slides over the said pulleys to the inner slides and extending through said clearance spaces, disposed to equalize the opposite movements thereof, coacting for the purpose specified.

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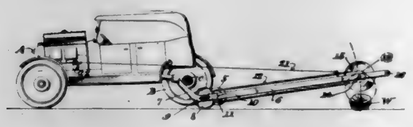
1,559,712. POWER-TRANSMISSION FOR AUTOMOBILE-OPERATED TOOLS. ROBERT HOWARD LAKE, Takoma Park, Md. Filed Jan. 21, 1924. Serial No. 687,595. 7 Claims. (Cl. 143—46.)

7. A power transmission attachment for automobiles comprising a frame pivoted at one end and carrying drive means for connection to a rotating part thereof,

means to support the attachment adjacent the automobile when said frame is so placed and in contact with said rotating part, a tool on the free end of the frame, transmission means between the tool and the drive means, a



handle for oscillating the frame about its pivot to depress the tool to its work, and means comprising the weight of the automobile to counterbalance the frame and to return the tool to normal position.

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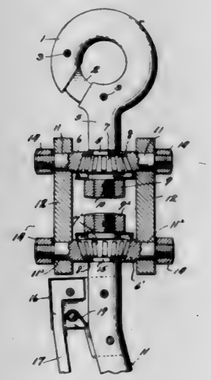
1,559,713. SWIVEL HOOK. FRED C. LESTER, Wichita Falls, Tex. Filed June 16, 1925. Serial No. 37,497. 1 Claim. (Cl. 294—82.)



A swivel hook comprising, in combination, a pair of bearing plates each provided with oppositely disposed outstanding trunnions, straps connecting said bearing plates and engaged with the trunnions, a bearing hook operatively engaged with one of the bearing plates, and an elevating hook operatively engaged with a second of said bearing plates, the opposed faces of the bearing plates being provided with bowls and roller gear assemblies fixed to said hooks and engaging within the bowls of the bearing plates.

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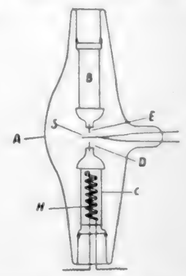
1,559,714. ART OF RELEASING ELECTRONS IN VACUUM DISCHARGE DEVICES. JULIUS EDGAR LILIENFELD, Leipzig, Germany, assignor of one-tenth to John H. Brickenstein. Filed Mar. 8, 1920. Serial No. 364,215. 18 Claims. (Cl. 250—35.)

1. A device for releasing electrons comprising a sealed envelope evacuated to such high degree that ionization is substantially prevented and unheated electrodes separated by a gap sufficiently short to permit the start-



ing of the discharge between the cold electrodes upon the application of a suitable voltage.

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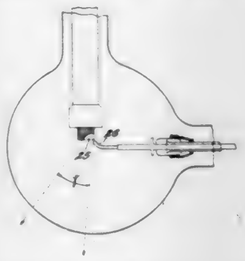
1,559,715. HIGH-VACUUM TUBE. JULIUS E. LILIENFELD, Kew Gardens, N. Y. Filed Sept. 29, 1921. Serial No. 504,088. 9 Claims. (Cl. 250—35.)



1. In high-vacuum devices of the character described, a device for limiting X-ray emanations to a predetermined area, which comprises an anode having a cavity whose orifice corresponds to the said area and a cathodic point directed into said cavity and in close proximity thereto.

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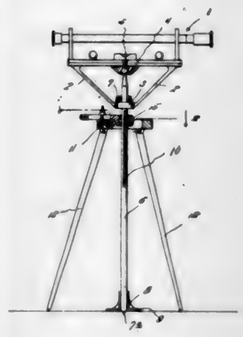
1,559,716. SURVEYOR'S INSTRUMENT. GEORGE W. LINGLE and JOSEPH KERKHOFF, Kenosha, Wis. Filed July 3, 1924. Serial No. 724,057. 2 Claims. (Cl. 248—3.)



1. A device of the kind described comprising a tripod having a ring-like head at its upper end, a ground engaging rod passing downwardly through and beyond said head, an instrument holder swivelly mounted upon the upper end of said rod, means for disposing and maintaining said holder in right angular relation to the rod, and a universal and sliding connection between the rod and head of said tripod, whereby to permit the tripod to be bodily adjusted vertically upon or eccentrically to said rod.

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1,559,717. METHOD OF AND MEANS FOR CUTTING BLANKS FROM IRREGULAR-SURFACED MATERIAL. GEORGE A. LIPPINCOTT, Philadelphia, Pa. Filed May 9, 1922. Serial No. 559,677. 8 Claims. (Cl. 79—16.)

1. The herein described method of cutting blanks from material having a face of irregular contour, comprising securing against one face of the material a template having a series of means for engaging a suitable support, said means being arranged as close together as the size of the blank to be produced will permit, and the material of the template being such as to permit it to conform to irregularities in the contour of the surface to which it is applied, successively positioning the support engaging means on a suitable support, and effecting relative movement between a cutting tool and the material on a path co-axial with the support.

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1,559,718. SPRAYER. GEORGE W. LISK, Clifton Springs, N. Y. Filed Oct. 23, 1924. Serial No. 745,448. 1 Claim. (Cl. 200—142.)

A spraying device comprising a liquid tube, an air tube, and a bracket for connecting the adjacent end portions of said tubes, said bracket being formed from an elongated flat strip of material having its opposite end portions bent back to overlie the intermediate portion of the strip, the extremities of said returned portions being correspondingly beveled, the intermediate portion of the strip being folded along the line between the opposed beveled edges to bring the bends for the returned portions in substantially perpendicular relation, the bend for one of the returned portions being enlarged to provide a barrel to snugly receive an end portion of the air tube, the bend for the second returned portion being formed into a sleeve to snugly receive an end portion of the liquid tube.

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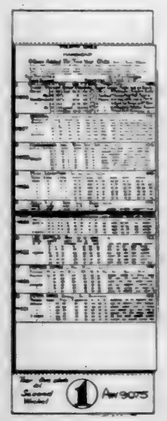
1,559,719. RACE-MEETING PROGRAM. HERBERT LISTER, Montreal, Quebec, Canada, assignor of one-half to Elmer Ferguson, Montreal West, Canada. Filed May 21, 1923. Serial No. 640,381. 1 Claim. (Cl. 283—1.)



In a race program and admittance ticket, a book comprising a cover having their ends formed into detachable tickets, and a plurality of sheet forms within said cover, each sheet comprising separate races and having therein individual histories of the contestants in said race.

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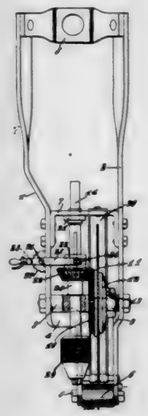
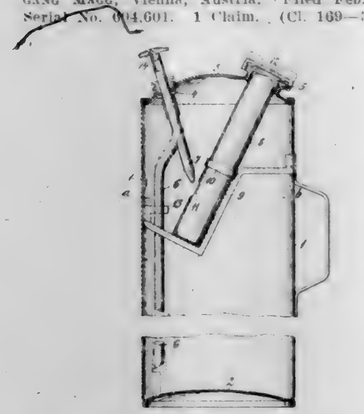
1,559,720. POWER TOOL. CHARLES A. MCCRAY, Waynesboro, and JOSEPH S. MCCRAY and JOSEPH E. THOMAS, Hot Springs, Va. Filed Apr. 11, 1924. Serial No. 705,898. 1 Claim. (Cl. 144—35.)



A power tool attachment for motors including a frame having a contracted offset portion at one end and an attaching yoke at its other end, a longitudinal shaft journaled in the frame and terminating adjacent one side of the offset end portion, a chuck carried by said shaft, a saw mounted for rotation within the frame on an axis extending transversely of the frame, means for transmitting motion from the shaft to the saw, said means including a shiftable gear, and an arcuate guard secured at its ends to the frame and housing a portion of the periphery of the saw.

1,559,721. PORTABLE FIRE EXTINGUISHER. WOLFGANG MAGG, Vienna, Austria. Filed Feb. 23, 1924. Serial No. 694,601. 1 Claim. (Cl. 169—32.)



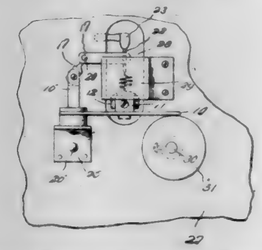
A portable fire extinguisher, comprising in combination an outer receptacle, a lid provided on said outer receptacle, an acid vessel the upper part of which passes through the said lid, a slidable delivery pipe supported on said lid, a striker provided on said delivery pipe for fracturing said acid vessel, the longitudinal axis of the striker and the longitudinal axis of the acid vessel forming an angle with each other, the prolongation of the axis of the striker intersecting the axis of the said vessel in the lower part of the latter, a perforated cage for the acid vessel, an angular supporting member for supporting said cage and for guiding said delivery pipe, and an inwardly extending projecting member connected to said supporting member, said projecting member being intended to co-operate with said supporting member for preventing the delivery pipe from turning.

1,559,722. DENTIFRICE. LEO MANDELSTAMM, New York, N. Y. Filed Oct. 28, 1924. Serial No. 746,417. 5 Claims. (Cl. 167—9.)

2. In a dentifrice, the combination of neutral cleansing and abrasive materials, and a vanadium salt.

5. In a dentifrice, the combination of glycerin, neutral cleansing and abrasive materials and small amounts of vanadium and radium salts.

1,559,723. CRYSTAL DETECTOR. FREDERICK E. MANN, Cherrydale, Va. Filed Dec. 10, 1923. Serial No. 679,692. 2 Claims. (Cl. 250—31.)

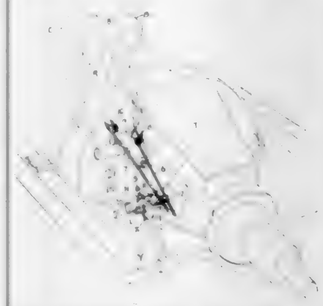


2. A crystal detector comprising a panel having an opening formed therein, a supporting bracket mounted on the rear side of the panel and at one side of said opening, a spring strip mounted at one end on said bracket and projecting across the lower end of said opening in the panel, means operable from the front plate of the panel and mounted thereon for engaging and maintaining said spring strip under tension, and operable for raising and lowering the free end thereof, a crystal element mounted on the central portion of said spring strip in the rear of the opening in said panel, and a contact spring movably mounted on said supporting bracket having means projecting beyond the front face of the panel so that the contact spring may be operated to engage the crystal element, said operating means being adapted to effect a movement of the crystal toward or away from the contact spring to vary the tension of the spring on said crystal.

1,559,724. TRIMMING TOOL. GEORGE W. MEADER, HORACE P. MEADER, and HERMAN T. MEADER, Oakland, Calif. Filed Jan. 22, 1924. Serial No. 687,692. 4 Claims. (Cl. 164—73.)

1. A paper hangers' trimming knife adapted to be simultaneously cleaned and sharpened when in action, including a supporting member having mounted thereon a circular knife, an abrasive member and a scraper; and said knife adapted to revolve between said abrasive member and scraper.

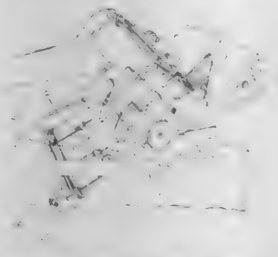
1,559,725. TRANSMISSION-CONTROL ATTACHMENT. HERMAN T. MEADER, Oakland, Calif. Filed Feb. 7, 1925. Serial No. 7,653. 2 Claims. (Cl. 74—39.)



1. In a transmission-control attachment adapted for automobiles of the Ford type, (1) a clip adapted to be slipped over and loosely connected with the brake pedal or the reverse pedal, and said clip provided with terminal holes; (2) a rod for the clip having a bent end for entering the holes in the clip; (3) means for preventing the bent end of the rod from slipping out of the clip; (4) a stiff plate having at one end a hole adapted to receive therein the clutch lever's adjusting screw for rigid attachment of the plate to the clutch lever, the said plate provided with two bends opposite each other and in planes virtually parallel with the clutch lever shaft when the plate is attached, the first plate bend being near the hole for the adjusting screw, and the second bend being near the other end of the plate, there being in the plate between the second bend and the said other end a hole adapted to receive slidably therein the said rod; and (5) stop-and-lock means adjustably secured on the unbent end of the said rod, the arrangement being such that, with the stop-and-lock means properly adjusted on said rod, the depression of the pedal to which the said clip is attached will throw the clutch pedal into neutral position and thereby release the clutch from service.

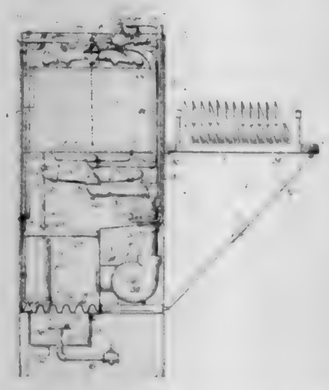


1,559,726. MICROMETER FEED GUIDE FOR PLATEN PRESSES. FRANK MERRYMAN, Corvallis, Oreg., assignor of one-third to James H. Newman, Corvallis, Oreg. Filed Oct. 16, 1924. Serial No. 743,992. 4 Claims. (Cl. 101—414.)



1. In combination with a platen having a bar pivotally mounted thereon, a micrometer feed guide comprising a bracket mounted upon the bar, a screw journaled at one end in the bracket, a block having screw thread engagement with the screw, and a guide carried by the block.

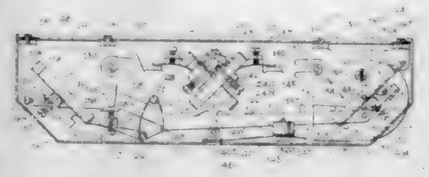
1,559,727. DISHWASHING MACHINE. HERBERT E. MERSELES, Jersey City, N. J., and FRANK W. BEMM, Wilmette, Ill.; said Bemm assignor to said Merseles. Filed Oct. 9, 1919. Serial No. 329,533. 6 Claims. (Cl. 141—9.)



2. In a washing machine, the combination of a casing having openings in two of its vertical walls, continuous tracks fixed in the casing and extending across it from one opening to the other, a supply conduit extending vertically upward outside said tracks, branch conduits located respectively above and below said tracks and extending from said supply conduit to points on a vertical line midway between said tracks, and distributors rotatably mounted on the ends of said branch conduits respectively so as to rotate about said vertical line.

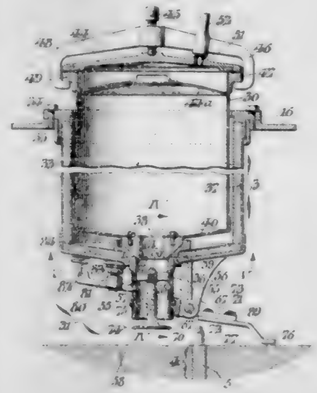


1,559,728. RANGE-FINDING DEVICE. NICHOLAS MILLER, Hartford, Conn. Filed Nov. 21, 1921. Serial No. 516,755. 15 Claims. (Cl. 88—2.7.)



1. In combination with a range finder, a base, two pairs of cooperating reflectors, disposed in such a way, that the median lines of the reflectors of either pair are at an uneven level with respect to the plane of the base; means for tilting the cooperating reflectors of each pair at the same angle of inclination with respect to said plane, and means for rocking one of the reflectors about a fixed axis.

1,559,729. FORMING APPARATUS. FRANK E. MORRIS, Philadelphia, Pa., assignor of one-half to John C. Bergner, Lansdowne, Pa. Filed Mar. 10, 1922. Serial No. 542,629. 10 Claims. (Cl. 107—14.)

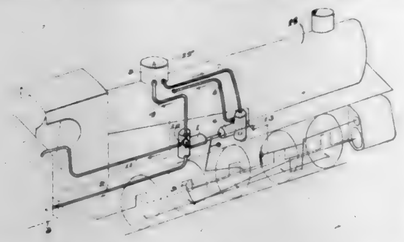


3. Forming apparatus of the character described comprising, in combination, a container with an annular die outlet; means for periodically shearing the material extruded from said outlet; a compressed air system for applying pressure to the material in said container, including an air pump; means for actuating said pump and said severing means from a common drive; and bleed means for regulating the application of pressure to the material to control the size of the extrusions periodically severed as aforesaid.

1,559,730. BOILER FEED-WATER APPARATUS. JOSEF MICHKA, Vienna, Austria, assignor to the Firm Société d'Exploitation des Pompes Dabeq, Paris, France. Filed Oct. 24, 1922. Serial No. 596,661. 7 Claims. (Cl. 60—107.)

1. The combination with a steam-engine operating with a variable cut-off, an engine boiler, and a valve gear

for the engine, of apparatus for supplying feed water to the engine-boiler, comprising a feed-water forcing device and means, controlled by the valve gear of the engine,



for varying the quantity of water delivered by the feed-water forcing device to the boiler in accordance with the cut-off of the engine.

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1,559,731. PLASTIC COMPOSITION. GEORGE J. MULLER, Baltimore, Md. Filed Feb. 9, 1922. Serial No. 535,361. 7 Claims. (Cl. 106—31.)

1. A composition consisting of a bituminous hydrocarbon and Peach Bottom slate in finely subdivided form.

2. A composition consisting of a bituminous hydrocarbon and a finely subdivided slate containing carbon in graphitic form.

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1,559,732. WRINKLE-REMOVING APPLIANCE. JULIETTE P. ARNOLD, Apponaug, R. I., assignor to Wonder Beauty Co. Inc., Apponaug, R. I., a Corporation of Rhode Island. Filed Nov. 21, 1923. Serial No. 675,994. 1 Claim. (Cl. 128—76.)

A wrinkle removing appliance comprising an adhesive plaster, one end of said plaster being bent upon itself so as to provide a comparatively rigid marginal portion, an eyelet passing through said marginal portion of the plaster, a fabric covering placed over the exposed adhesive surface of the plaster having an end projecting beyond the marginal portion so as to provide a tab for removing the same from the plaster, and a tension member secured to said plaster by passing through said eyelet.

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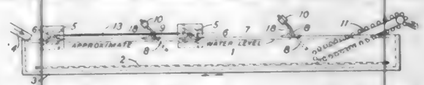
1,559,733. APPARATUS FOR THE TREATMENT OF FRUIT WITH ANTISEPTICS FOR THE PREVENTION OF DECAY. WILLIAM R. BARGER, WILLIAM V. HUKILL, and LON A. HAWKINS, Washington, D. C., dedicated, by mesne assignments, to the Citizens of the United States. Filed Feb. 21, 1925. Serial No. 10,971. 1 Claim. (Cl. 99—2.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

An apparatus intended for use in treating fruit with antiseptics, comprising a tank, containing an antiseptic solution, a chute for feeding the fruit to be treated into said tank, a steam coil in said tank for heating the antiseptic solution, paddle wheels in said tank for submerging the fruit in the solution, and, adjacent to said paddle wheels, baffles adapted to control the speed



of the movement of the fruit throughout the length of the tank, and an elevator at the opposite end of the tank from the aforesaid chute adapted for the removal of the fruit from the tank.

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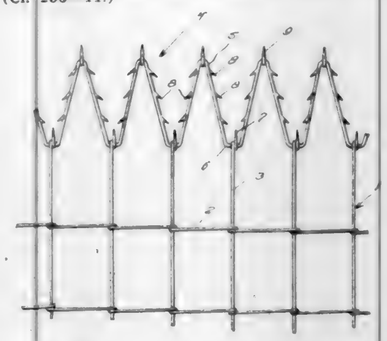
1,559,734. FENCE. JOHN T. BARTON, San Angelo, Tex. Filed May 15, 1925. Serial No. 30,487. 1 Claim. (Cl. 256—11.)



In combination, a fence made up of a plurality of horizontal and vertical interconnected wires, a guard for the top of said fence, said guard being made from a length of wire bent at longitudinal intervals into V-shaped portions and intervening correspondingly shaped pockets, the portions joining the V-shaped portions being substantially straight, the upper ends of the vertical wires of said fence being wrapped around said straight portions and terminating in points, and antiescape means carried by the V-shaped portions of said guard.

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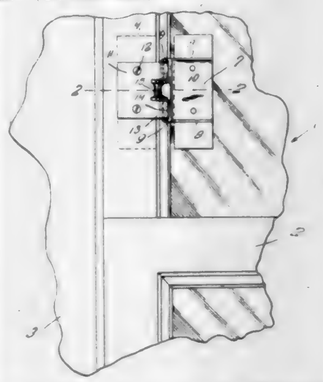
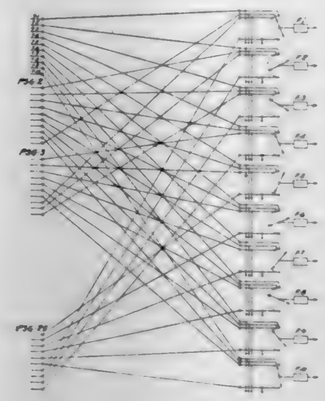
1,559,735. SASH FASTENER. NATHAN BAUML, Foxboro, Mass. Filed Feb. 19, 1925. Serial No. 10,258. 3 Claims. (Cl. 292—202.)



1. A sash fastener of the class described comprising a block, one surface of which is rounded to provide a wedging cam for a lower sliding sash, an attaching plate adapted to be fastened to an upper coacting sash, and resilient snap retaining means between the plate and the block.



1,559,736. SECONDARY TRUNKING SYSTEM. JOHN I. BELLAMY, Chicago, Ill., and JOHN E. GARDNER, Wilkinsburg, Pa., assignors to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 17, 1923. Serial No. 639,518. 26 Claims. (Cl. 179—18.)



1. In a telephone system, primary trunks, secondary trunks, a finder switch associated with each secondary trunk, primary switches having access to said primary trunks, means for causing part of said finder switches to select primary trunks ahead of calls, and means for rendering selectable to said primary switches only such primary trunks as have been selected by said finders.

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1,559,737. CATHETER. MARTIN BOCK, Philadelphia, Pa. Filed June 28, 1922. Serial No. 571,582. 2 Claims. (Cl. 128—345.)

1. A device of the character described consisting of a pair of semi-cylindrical members curved at one end and spreader members hingedly connecting said first members, and a lever member at the other end of said members pivotally connected to each of said members at spaced apart points.

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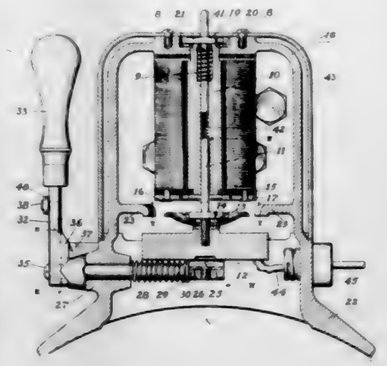
1,559,738. AUTOMATIC SWITCH. CARL P. BROCKWAY, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed June 21, 1919. Serial No. 305,924. 11 Claims. (Cl. 200—111.)

1. In combination, an electro-magnet having a vertical core and a magnetic shell engaging said core at the top and extending down along the sides of the magnet, an armature normally supported below said magnet, an electric circuit including a coil of said electro-magnet, a contact at the bottom of said magnet, a contact at the top of said armature, one of said contacts being resilient, and



a source of electric current, said armature having parts adapted to engage the bottom of said core and said shell after said electric contacts complete said circuit.

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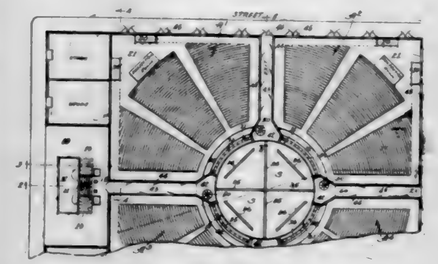
1,559,739. THEATER. LLOYD BROWN, Sherman, Calif., assignor, by mesne assignments, to C. B. Hurtt, W. F. Peterson, George Bayne Stephens, and Catherine Bayne Stephens, all of Los Angeles, Calif., and G. A. Stephens, Moline, Ill., trustees. Filed July 25, 1922. Serial No. 577,475. 12 Claims. (Cl. 20—1.123.)



1. A theater structure that involves a central vertically movable stage, auditoriums surrounding said central stage at one lever, and working rooms surrounding the central stage at another level, a foyer at a level below the auditorium level and extending around the work rooms, an entrance to the foyer, and communications between the foyer and the auditoriums.

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1,559,740. NURSING-BOTTLE HOLDER. PHILIP CARDARELLA, Kansas City, Mo. Filed Feb. 6, 1922. Serial No. 534,325. 1 Claim. (Cl. 248—65.)

In a bottle holder of the kind described, a supporting member having means adapted to be attached to the sides of a crib or similar article, and a bottle container comprising an elastic belt adapted to embrace the body of a bottle, an elastic band attached at one end to one side of said belt and adapted to embrace the lower end of

the bottle and having at its other end a loop through which said supporting member extends and is slidable, a hook attached to said loop, elastic means attached to

the other side of said belt having means adapted for releasable engagement with the neck of the bottle, and a link on said elastic means adapted for releasable engagement with said hook, substantially as set forth.

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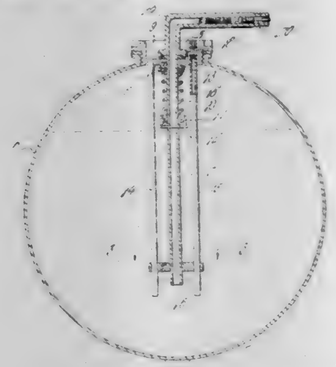
1,559,741. PRESSURE SYSTEM. RAY L. CROSS, Long Island, Va. Filed Dec. 13, 1924. Serial No. 755,782. 2 Claims. (Cl. 158—50.1.)



1. A pressure system for fuel tanks comprising a threaded cap for the tank, an air inlet pipe passing through the cap and said cap being mounted thereon for rotary movement, spring held air tight connecting means between the pipe and cap, a pair of rods depending from the cap, one of said rods being provided with a bore and a vent opening therefor, a spacing means for the lower end of said rods and pipe, and an air pump connected to said pipe as and for the purpose specified.

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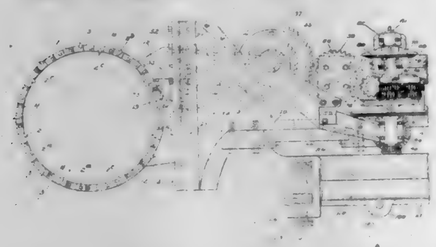
1,559,742. MINING MACHINE. KENNETH DAVIS, St. Benedict, Pa., assignor to Rembrandt Peale, New York, N. Y. Filed Sept. 11, 1917. Serial No. 190,731. 59 Claims. (Cl. 262—19.)



1. In mining machine including in combination a rotating tubular cutter, power operated means for advancing the rotating cutter to cut the mineral from the vein, and power operated means for reversing the advancing means to return the cutter for a new bite on the vein.

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1,559,743. RADIO RECEIVING SYSTEM. HENRI JEAN JOSEPH MARIE DE REGNAULD DE BELLESCIZE, Paris, France. Filed Aug. 29, 1921. Serial No. 496,533. 10 Claims. (Cl. 250—8.)

1. In a system for eliminating disturbances in receiving radio signals, the combination of an aperiodic antenna, indicating means, a tuned and detuned receiver associated with the aperiodic antenna, said receivers being differentially associated with the indicating means.

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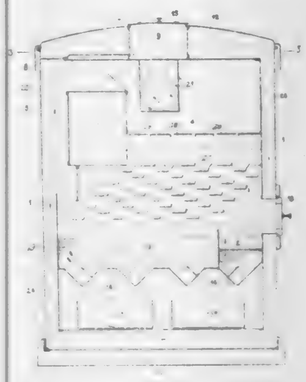
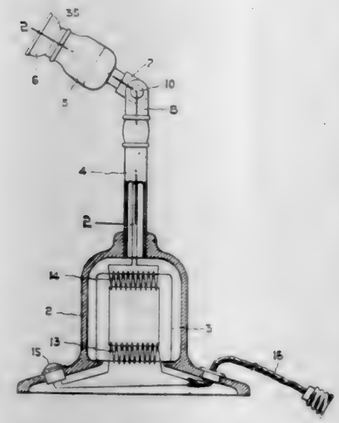
1,559,744. FURNACE FOR GRANULAR FUEL SUCH AS BROWN COAL COKE. CLEMENS DELLMANN, Liebertwolkwitz, near Leipzig, Germany, assignor to Deutsche Patent Grudeofen-Fabrik Walter Rieschel & Co., m. b. H., Liebertwolkwitz, near Leipzig, Germany, a Corporation of Germany. Filed Feb. 16, 1924. Serial No. 693,347. 1 Claim. (Cl. 126—74.)



A furnace for brown coal coke, comprising the walls of the furnace, a main fire place, a subsidiary fire place at one side of the furnace adapted to supply gases of combustion to the main fire place, an air passage running from an air inlet along one of the walls of the furnace and to the subsidiary fire place, a flue connected with the main fire place and having two branches one leading upwardly along the wall of the furnace and to the chimney pipe, and the other one downwardly, along the wall and the bottom of the furnace and upwardly again to the chimney pipe, and means for closing the upwardly directed branch of the flue directly connecting the fire place and the chimney pipe.



1,559,745. LIGHTER FOR CIGARS, PIPES, AND THE LIKE. FRANCIS B. FARNSWORTH, Granby, Canada. Filed Sept. 27, 1923. Serial No. 665,214. 5 Claims. (Cl. 219—82.)



2. In an electric lighter, an igniting element consisting of a plug having an end of refractory material, spaced lugs projecting outwardly from said end, and a resistance mounted upon said end between the lugs.

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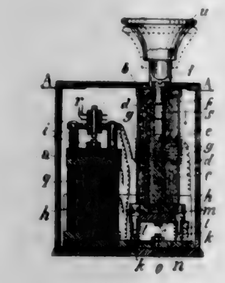
1,559,746. APPARATUS FOR PRODUCING HIGH-VOLTAGE CURRENTS FOR MEDICAL TREATMENT. ERICH GEISSLER, Munich-Laim, Germany, assignor to the Firm of: Fabrik Chem. Gravüren, Luppe & Heilbronner, Gesellschaft mit beschränkter Haftung, Munich, Germany. Filed Nov. 11, 1924. Serial No. 749,322. 2 Claims. (Cl. 174—177.)



1. In an apparatus for producing high-voltage currents for medical treatment, the combination with an electrode consisting of glass and forming a contact button, of means for closing the circuit by pressing said contact button on part of the human body.

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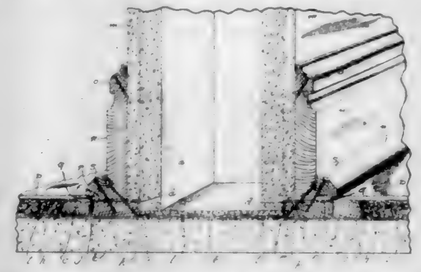
1,559,747. FLOOR AND WALL CONSTRUCTION. ERIC E. HALL, Chicago, Ill. Filed Apr. 28, 1922. Serial No. 557,099. Renewed Apr. 20, 1925. 4 Claims. (Cl. 72—101.)

1. In a building construction, the combination with a hard plastic floor portion, of a wall rising therefrom, an edge strip secured on the floor adjacent the wall, said edge strip being constructed of fibrous material sur-



rounded by a metallic sheath on all sides, for the purpose described.

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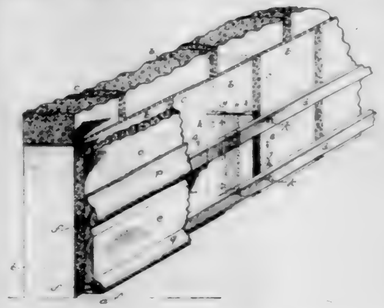
1,559,748. WALL AND PARTITION. ERIC E. HALL, Chicago, Ill. Filed Apr. 28, 1922. Serial No. 557,100. 10 Claims. (Cl. 72—105.)



6. As a new and useful article of manufacture, a nailing block composed of a fibrous bar surrounded on all its sides by a connected thin metal sheathing and provided on one side with anchoring means extending from the central portion of said side a substantial distance so that it can co-operate with the anchoring means of another nailing block opposed thereto.

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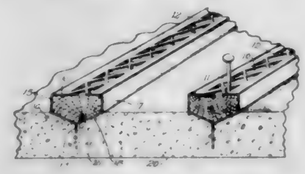
1,559,749. FASTENING STRIP. ERIC E. HALL, Chicago, Ill. Filed Apr. 28, 1922. Serial No. 557,101. 8 Claims. (Cl. 72—101.)



1. As a new and useful article of manufacture, a strip of fibrous material enclosed on all sides thereof by a metallic sheathing, said sheathing being provided with means for anchoring it in place.

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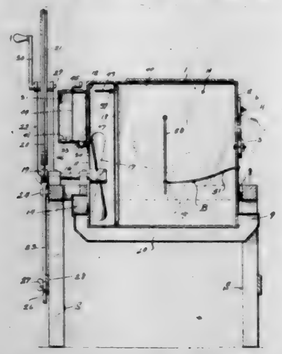
1,559,750. POULTRY-POWDERING MACHINE. PAUL P. HEMM and WILLIS E. BERNSTEIN, Davenport, N. Dak. Filed June 5, 1924. Serial No. 718,083. 6 Claims. (Cl. 119—159.)

5. A machine of the class described comprising a housing adapted to receive a fowl, a fan within the housing to create an air blast upon the fowl within the housing,

said housing being provided with an opening, a pan adapted to contain a supply of insecticide, means for supporting said pan for movement relative to the opening, a rock arm for controlling such movement of the



pan, a rod disposed through the housing and to which the rock arm is secured, and a blade carried by the rock arm, the air blast created by the pan coacting with the blade to impart swinging movement to the rock arm toward and away from the opening.

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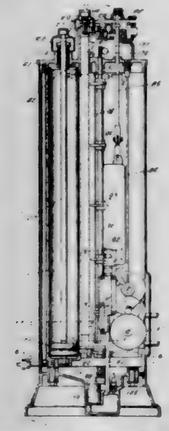
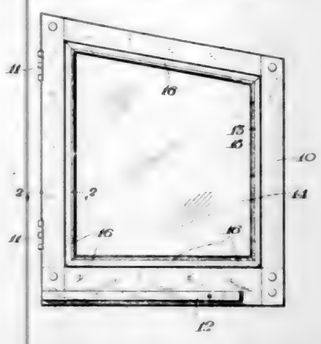
1,559,751. FLUID-PRESSURE MOTOR. SHERWOOD HINDS, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a Corporation of Indiana. Filed May 17, 1920. Serial No. 381,868. 16 Claims. (Cl. 121—38.)



6. A motor comprising a cylinder, a piston in said cylinder, a valve for controlling the admission of fluid under pressure to said cylinder to move said piston, a second valve for controlling said fluid to reverse the direction of motion of said piston in said cylinder, a support having stops thereon for limiting the movement of said piston to predetermined measured amounts, a single device for operating said first-mentioned valve and for shifting said support to bring certain of said stops into and out of operative position, and mechanism controlled by certain of said stops when said support is in one position for operating said second-mentioned valve to automatically reverse the direction of movement of said piston at the ends of the stroke thereof, said mechanism being operable by a different one of said stops to cut off the supply of fluid from said cylinder when said support is moved to bring said last-mentioned stop into operative position.

1,559,752. GLASS WINDOW FOR AUTOMOBILES. GUSTAV E. HOLMES, JOHN M. BOSTROM, and AXEL G. BOSTROM, Milwaukee, Wis. Filed Nov. 16, 1918. Serial No. 262,876. 6 Claims. (Cl. 296—44.)



1. A glazed hinged window attachment for automobile doors to fit an irregular jamb of an automobile enclosure and subjected to a warping or twisting action, comprising a hinged frame, a sash loosely mounted within the frame around its entire perimeter, yielding means connecting the sash with the frame to permit lateral displacement thereof, and cushioning means between the sash and the frame.

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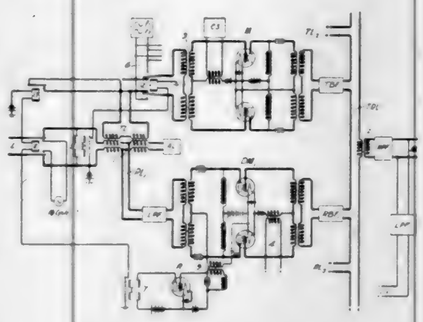
1,559,753. SIGNALING SYSTEM. JOSEPH W. HORTON, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 6, 1923. Serial No. 610,976. 12 Claims. (Cl. 179—4.)



1. In a signaling system, means for transmitting a carrier wave modulated by oscillations of a plurality of different frequencies, a balanced demodulator having output circuits provided with a common branch, means for impressing said modulated wave upon said demodulator, means for impressing an unmodulated carrier wave upon said demodulator, whereby the demodulator produces in the common branch currents whose frequency is a combination of the modulating frequencies, and a signal controlled by the currents in said common branch.

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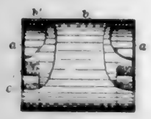
1,559,754. RIBBON BLOCK. CHARLES A. ISLEIB, Maywood, N. J. Filed Oct. 10, 1924. Serial No. 742,752. 3 Claims. (Cl. 206—50.)

1. A ribbon block comprising two cylindrical walls each formed of stiff paper material and forming the body



of the block and arranged one within and concentric with and spaced from the other and two caps each formed of



stiff paper material and forming the ends of the block and each having its flange lying and held between the two corresponding end portions of the cylindrical walls.

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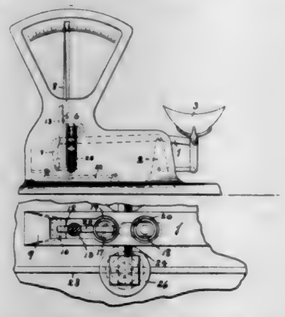
1,559,755. SCALE. LOUIS JAENICHEN, Detroit, Mich., assignor to The Standard Computing Scale Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 18, 1922. Serial No. 537,442. 5 Claims. (Cl. 265—69.)



1. In a scale, the combination of a load carrying beam, a spring connected thereto to resist the load, a compensating lever pivoted to the beam substantially parallel to the load resisting spring, a spring mounted on the beam to swing the lever according to changes in temperature, and a weight indicator connected to said lever and actuated thereby.

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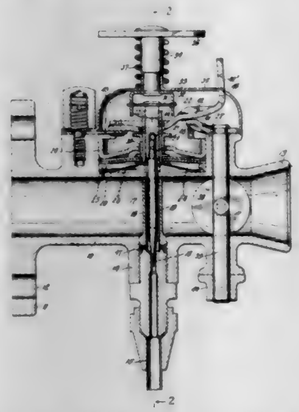
1,559,756. CARBURETOR. WILLIAM E. KEMP, New York, N. Y. Filed July 1, 1922. Serial No. 572,235. 3 Claims. (Cl. 261—69.)



1. A carburetor comprising a carbureting chamber, a supply nozzle therein, a valve controlling said nozzle freely movable in relation thereto, a throttle in said carbureting chamber, means connected with said valve for automatically adjusting said nozzle in proportion to the vacuum produced in said carbureting chamber during a predetermined portion of the stroke of said throttle, and means controlled by said throttle for mechanically actuating said valve during the remainder of the stroke of said throttle.

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1,559,757. BIRD CAGE. LEWICKI J. LEON, Chicago, Ill. Filed June 23, 1924. Serial No. 721,678. 4 Claims. (Cl. 119—17.)

4. A bird cage, comprising a cage body and base, both circular in shape, said base having a marginal wall and a separable bottom wall, said marginal wall having beads at its upper and lower edges forming inwardly opening channels, a ring around the lower edge of the cage body retained in said upper channel, said bottom wall having a plurality of spaced projections to enter the lower channel for releasably holding said bottom wall in the base, said lower channel having spaced notches in its lower flange, said projections being brought into register with said notches on turning said bottom wall with respect to the marginal wall for the removal of the bottom wall from said base.

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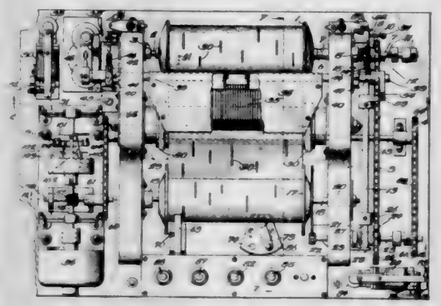
1,559,758. CONTROLLING MECHANISM. FREDERICK B. LITTLE, Chicago, Ill., assignor to J. C. Deagan, Incorporated, Chicago, Ill., a Corporation of Illinois. Filed Apr. 28, 1924. Serial No. 709,707. 42 Claims. (Cl. 84—147.)



31. Controlling mechanism including a control sheet; a supply roll carrying said sheet; a take up roll upon which the sheet may be wound from the supply roll; a controlling member mounted to be movable in opposite directions; an electro-magnet for moving said controlling member in one direction; a switch in controlling relation to this magnet; a detent in holding relation with the controlling member when the holding member has been moved by this magnet; a second electro-magnet serving to place the detent in one of its alternative positions; a relay whose armature switch is in controlling relation to this magnet; a switch in controlling relation to the relay and governed by the control sheet, one of said rolls having a formation cooperating with a member of the latter switch to place this switch in one of its adjustments, said control sheet hav-

ing a portion cooperating with a member of this switch to place this switch in an alternative adjustment; two roll driving devices, each roll having such a device individual thereto; and mechanism governed by said controlling member that renders one roll driving device operative and the other ineffective when the controlling member is moved in one direction, and renders the latter roll driving device operative and the first ineffective when the controlling member is moved in the reverse direction.

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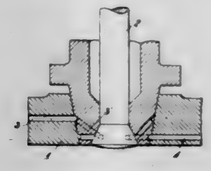
1,559,759. FUEL-INJECTION VALVE FOR INTERNAL-COMBUSTION ENGINES. FRIEDRICH MÜLLER, Vienna, Austria. Filed Aug. 13, 1921. Serial No. 492,196. 2 Claims. (Cl. 123—33.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In an internal combustion engine, the combination with a working cylinder comprising separate passages for fuel and compressed air, an injection valve for the injection of the fuel and air when the said valve is opened, and a valve seat for the said valve comprising a plurality of groups of outlets each group adapted to communicate with one of said passages and to deliver the fuel and air in divided volumes at alternate points around the valve seat.

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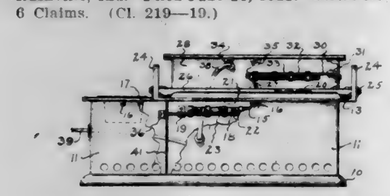
1,559,760. SANDWICH TOASTER. MORTON MURPHY, Rushville, Ind. Filed June 16, 1925. Serial No. 37,452. 6 Claims. (Cl. 219—19.)



1. In a toaster, a lower plate having a smooth upper surface and a pitted under surface, a heating element below the lower plate, an upper plate having a smooth under surface and a pitted upper surface, a heating element above the upper plate, standards having slotted guides, and hinge pins extending from the upper plate and engaging in the guides of the standards.

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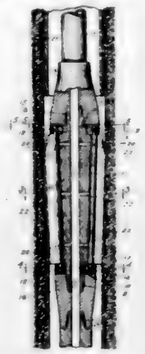
1,559,761. UNDERREAMER FOR HYDRAULIC ROTARY WELL DRILLING. LORAN E. NEBERGALL, Denver, Colo. Filed Nov. 3, 1923. Serial No. 672,601. 3 Claims. (Cl. 255—76.)

1. A hydraulic rotary under-reamer, comprising a tapering tubular stem having longitudinal grooves in the outer portion thereof, said grooves being substantially parallel with the adjacent tapering surfaces of the stem, cutting blades mounted in said grooves and swingable inwardly and outwardly between folded positions wholly within said grooves and extended positions at which the longitudinal edges of the blades project laterally from the stem, said blades having inclined edges at the upper portions thereof adapted for engagement with the well-casing to swing the blades to their folded positions and the longitudinal cutting edges of the blades being parallel with the adjacent tapering surfaces of the stem, there being lateral passages extending from the central longitudinal passage of the tubular stem to discharge fluid



therefrom into the longitudinal grooves, and means at the ends of said tubular stem for connecting the same with other tools of a series.

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1,559,762. PERMANENT TRANSFER BINDER. GEORGE W. NEWMAN, Chicago, Ill., assignor, by mesne assignments, to Kalamazoo Loose Leaf Binder Company, a Corporation of Michigan. Filed Oct. 27, 1921. Serial No. 510,871. 15 Claims. (Cl. 281—25.)

6. The combination in a binder for sheets perforated to receive binding posts, binding bars, post members arranged on said binding bars in coacting pairs for slidable engagement within the sheet body, and a clamping means adapted to be disposed between sheets of the sheet body and actuated by the pressure of the sheets thereon to clamp the post members together.

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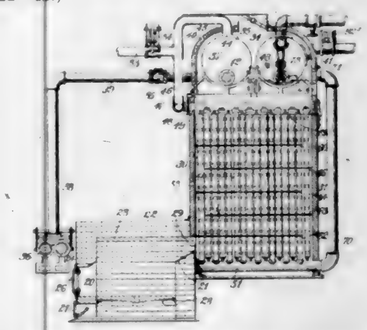
1,559,763. STEAM GENERATOR. HENRY A. NICHOLSON, Arkles Bay, Auckland, New Zealand, assignor to Ernest A. Craig, Auckland, New Zealand. Filed May 10, 1919. Serial No. 296,086. 8 Claims. (Cl. 122—41.)



1. A steam boiler system comprising a furnace, a grid of downwardly extending tubes therein, a pump for forcing water into the upper entrance of said grid, a steam



drum above the grid of tubes into which the tubes deliver, said drum having a steam outlet and normally having communication with the grid of tubes only at their ends furthest from the pump whereby the same water can pass only once through the tubes, and said communication means comprising means for reducing the pressure of the fluid as it passes from the grid into the drum.

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1,559,764. WAISTBAND. WILLIAM J. NOVY, Chicago, Ill. Filed Dec. 1, 1923. Serial No. 677,953. 3 Claims. (Cl. 2—236.)

1. In trouser manufacture, a waistband comprising a turned over section forming a belt tunnel and having a turned in portion extending into said tunnel, a lining strip secured to said turned in portion and extending upwardly between the outer and inner portions of the trouser material to provide one side of said belt tunnel, and lining material for such trouser comprising a strip of material folded upon itself and with its free edges extending into said tunnel, said trouser material, belt lining strip, and trouser lining being secured one to another by a single row of stitches.

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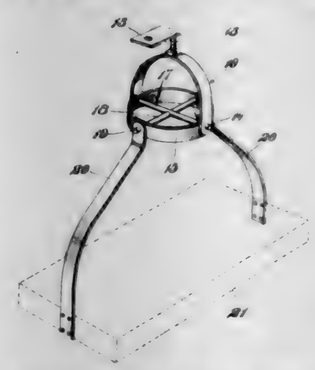
1,559,765. BERTH MOUNTING. EMIL NYBACK and EMIL NYMAN, Hoquiam, Wash. Filed Apr. 2, 1925. Serial No. 20,253. 3 Claims. (Cl. 114—192.)



1. In a support for ships' berths, a support adapted to be engaged with a ceiling and embodying spaced arms, a second support having spaced arms secured to the berth and projecting upwardly therefrom, and a gimbal ring structure for connecting said supports comprising a ring, bars extending at right angles and diametrically of said ring and having notched engagement one with the other, the ends of said bars projecting to provide pivots for engagement with the respective supports.

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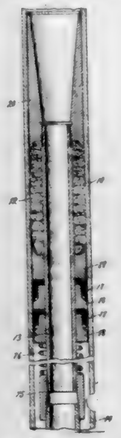
1,559,766. PUMP PACKING. WALTER A. O'BANNON, Tulsa, Okla. Filed Sept. 22, 1924. Serial No. 739,052. 4 Claims. (Cl. 103—180.)

1. In a device of the class described, a movable reciprocating barrel, a stationary plunger, and means adapted to form a fluid-tight joint between the barrel and plunger, comprising an element fixedly mounted on the plunger, expansible packing below said element, a plurality of collars slidably mounted on the plunger below said packing and having inverted cups between said collars fitting the inner periphery of the barrel, said collars



and cups being in direct contact adjacent the plunger, and a compression spring suitably mounted to engage the lower of said collars whereby said packing is compressed by the spring and the hydraulic pressure from the cups.

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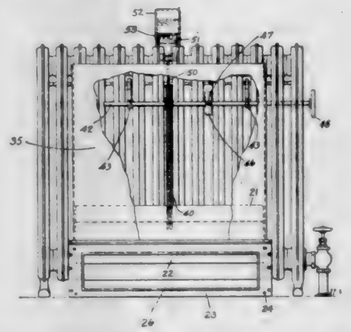
1,559,767. DIRECT-INDIRECT HEATING AND VENTILATING APPARATUS. THOMAS F. O'HERRON, Terre Haute, Ind. Filed July 29, 1922. Serial No. 578,308. 3 Claims. (Cl. 257—135.)



2. Direct-indirect heating and ventilating apparatus including, in combination with a radiator and a louver at the lower end of the radiator, a casing surrounding the radiator with the top open and with an opening at the lower end communicating with the louver and another opening at the side opposite the louver, a damper for controlling each of said openings, a hand-operated rod extending into the radiator, removable hook bars carried by the radiator for supporting said rod, a sprocket wheel between two sections of the radiator through which said rod is insertable and arranged to be turned by said rod, a disk located between two adjacent sections of the radiator through which said rod is insertable, a set screw for holding the disk on the rod in order to prevent longitudinal displacement of the rod and a chain operated by said sprocket wheel and connected with said dampers so that it will simultaneously open one damper and permit the other damper to close.

1,559,768. SHEET-METAL AND SCREW CONNECTING MEANS. THOMAS OLINGER, Holland, Mich., assignor, by mesne assignments, to Federal Manufacturing Company, Holland, Mich., a Corporation of Michigan. Filed Sept. 28, 1922. Serial No. 591,196. 4 Claims. (Cl. 254—195.)

1. In a construction of the class described, a housing having two sides formed at their upper ends with ears located side by side and in contact with each other, said ears each having an embossing pressed therein of circular form, a shank threaded at its outer end and formed with a circular eye at its inner end, said eye being located between the ears and received in said embossings, and a sheet metal clip located against and wholly covering the outer side of one of said ears and having flanges extending over the meeting edges of the ears and clinched against the other ear to permanently secure the ears, clip and eye together.

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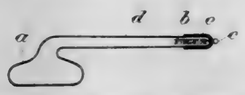
1,559,769. ELECTRODE FOR UNIPOLAR HIGH-FREQUENCY THERAPEUTIC TREATMENT. WERNER OTTO, Berlin, Germany. Filed May 17, 1923. Serial No. 639,644. 4 Claims. (Cl. 174—89.)



1. An electro therapeutic high frequency electrode, comprising a vacuum tube, and a relatively long wire passed into the same and bent into a body of reduced length, forming the discharge electrode of said vacuum tube and extending over a small portion only of the length of the tube.

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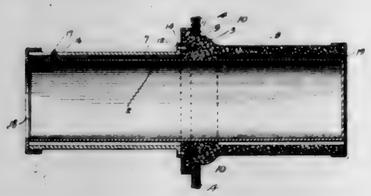
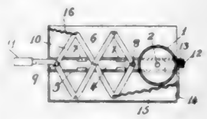
1,559,770. TRANSMITTING MEANS FOR ULTRA-VIOLET RAYS. ROBERT G. PADDOCK, San Francisco, Calif., assignor of one-half to H. L. MacNeill, San Francisco, Calif. Filed Sept. 17, 1921. Serial No. 501,235. 6 Claims. (Cl. 174—177.)



3. Means for transmitting ultra-violet rays of short wave length through a distance, comprising two short-wave transmitting windows, means for holding the same in spaced relation formed to air-tightly enclose a space between the same and a gaseous short-wave transmitting medium confined in the enclosure.

1,559,771. TYPEWRITER. RUBY EVA PADMAN, Launceston, Tasmania, Australia. Filed Mar. 8, 1924. Serial No. 697,807. Renewed Sept. 24, 1925. 2 Claims. (Cl. 197—180.)



1. In a typewriter, the combination therewith of a date stamp, means for causing said stamp to travel forward without revolving, first against a hinged inking pad which it causes to fall, and secondly, against a letter, invoice, circular, or the like, in the typewriter, in order to impress the necessary date thereon, and springs for returning both said date stamp and hinged inking pad to their normal positions.

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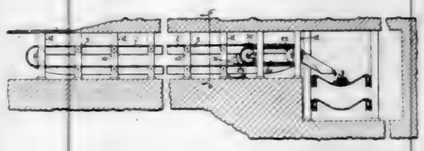
1,559,772. CONVEYER. RICHARD PEALE, St. Benedict, Pa., assignor to Rembrandt Peale, St. Benedict, Pa. Filed Jan. 12, 1920. Serial No. 350,731. 25 Claims. (Cl. 198—182.)



1. An endless conveyer mechanism including in combination two parallel rows of sheaves, two other parallel rows of sheaves in alinement thereover, endless cables which may be varied in length running in one direction on one pair of rows of sheaves and in the other direction on the other pair of rows of sheaves, an endless conveyer body which may be varied in length and means for attaching the conveyer body to the endless cables.

4. An endless conveyer mechanism including in combination two parallel rows of sheaves, two other parallel rows of sheaves thereover, endless cables running in one direction on one pair of rows of sheaves and in the other direction on the other pair of rows of sheaves, an endless conveyer body and means regularly spaced apart along the cables and conveyer body for attaching the conveyer body to the endless cables and two endless sprocket chains, one at either side of the conveyer at one end of its path, the cables resting on said chains and means on the chains engaging said attaching means to drive the conveyer.

9. A conveyer mechanism disposed about a horizontal curve, and including in combination a conveyer body, two cables, one at each side of the conveyer body, means for suspending the conveyer body from said cables, and means for taking up the length of the inside cable in the curve.

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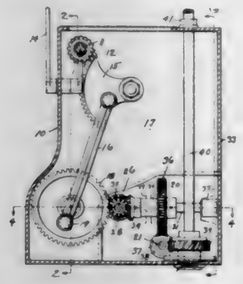
1,559,773. OPERATING MECHANISM FOR WASHING MACHINES. WILLIAM E. PINCKNEY, Portland, Oreg., assignor to Columbia Washing Machine Manufacturing Company, Portland, Oreg. Filed Sept. 24, 1924. Serial No. 739,604. 1 Claim. (Cl. 74—14.)

An operating mechanism for washing machines, having in combination a flat vertical gear box; a horizontal drive shaft passing transversely through the back of said box; a worm on said drive shaft; a horizontal longitudinal shaft over said worm at right angles to said drive shaft; a worm wheel on said longitudinal shaft meshing with said worm; a transverse counter shaft in the same plane as is said longitudinal shaft; miter gears connecting said counter shaft and longitudinal shaft; a spiral pinion on said drive shaft; a vertical wringer drive shaft; a spiral gear on said wringer drive shaft meshing with said spiral pinion; a spur pinion on said counter shaft; a spur crank gear mounted in said





gear case and meshing with said spur gear; a segment gear in said case rocked by said crank and a cylinder actuating shaft projecting through said gear case having a pinion thereon, meshing with said segment gear.

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1,559,774. RAZOR-STROPPING DEVICE. ARTHUR JAMES POSTANS, Leamington Spa, England, assignor to W. J. Myatt & Company Limited, Birmingham, England. Filed Oct. 27, 1924. Serial No. 746,158. 1 Claim. (Cl. 51—153.)

In razor stropping devices, the combination comprising a strop, an oscillatory blade holder, a roller in frictional engagement with the strop, and eccentric pinions for transmitting motion from the roller to the blade holder for causing greater pressure to be exerted between blade and strop in one stroke than in the next.

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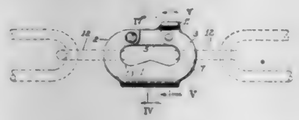
1,559,775. DETACHABLE LINK. ALEXANDER PURDIE, Wyandotte, Mich. Filed May 4, 1923. Serial No. 636,538. 3 Claims. (Cl. 24—242.)



1. A detachable connecting link comprising a main member having end arms arranged in pairs at each end of said member with the arms of each pair spaced apart laterally of said member and with a space between the ends of the pairs of arms, and a closure member pivoted between the ends of one pair of arms to swing within the space between the arms of each pair and extend across the space between the ends of the pairs of arms, said pivoted member being formed with an arm at each end to lie within and fill the space between the arms of each pair, said arms of the pivoted member extending across the ends of the link within said spaces between the pairs of arms for engaging a member extending through the link at each end thereof and held thereby.

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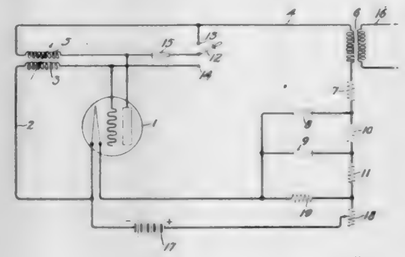
1,559,776. THERMIONIC REPEATER OR OSCILLATOR CIRCUITS. HARRY S. READ, New Haven, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 9, 1919. Serial No. 343,538. 4 Claims. (Cl. 250—36.)



1. A thermionic repeater having a space current circuit, a cathode heating circuit, and appropriate auxiliary circuits for the generation of oscillations, in combination with energizing means for said space current and cathode heating circuits, and a single variable element for simultaneously establishing and maintaining the energization of one of said two first mentioned circuits at a given value when the energization of the other thereof is established at a given value, independently of the voltage of said means.

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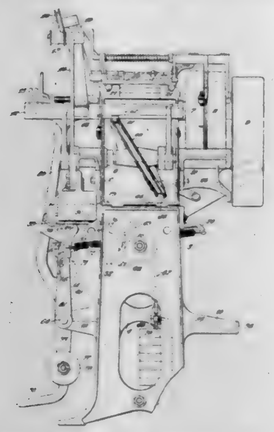
1,559,777. LOUD SPEAKER. EDWIN J. REICH, Brooklyn, and GEORGE J. ELTZ, Jr., New York, N. Y., assignors to Manhattan Electrical Supply Company, Inc., New York, N. Y., a Corporation of Massachusetts. Filed Nov. 26, 1923. Serial No. 676,918. 4 Claims. (Cl. 179—119.)

1. In a telephone loud speaker, a casing, a diaphragm, means for clamping the edge of said diaphragm against the upper end of said casing, a disc screw-threaded around its periphery and cooperating with the internally screw-threaded lower end of said casing, a magnet structure carried by said disc, an internal projection on said casing near its lower end, and a spring placed under tension between said projection and said disc.

1,559,778. WINDING MACHINE. CHARLES D. REYNOLDS, Cranston, R. I., assignor, by mesne assignments, to the New England Trust Company, trustee, a Corporation of Massachusetts. Filed July 10, 1922. Serial No. 573,799. 17 Claims. (Cl. 242—18.)



1. In a device of the type specified, the combination of a supply-holder for supporting a supply-spool to adapt it to deliver its material, means to actuate the supply-holder to doff an exhausted spool therefrom, and means operated thereby to feed a fresh spool to position on the supply-holder.

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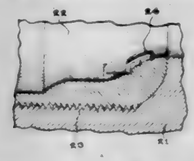
1,559,779. DEVICE FOR CASTING INDICIA ON PIPES. JOHN RICE, Burlington, N. J. Filed Oct. 23, 1923. Serial No. 670,331. 9 Claims. (Cl. 22—65.)



1. The combination with a centrifugal casting machine having a tubular mould body with a bell end, a liner detachably fitted in said bell end and having an inner wall conforming to the contour of the removed inner wall of the bell end, said liner having character grooves formed in its inner wall at its contracting inner end, said grooves having their inner walls flaring outwardly at an angle sufficient to liberate characters formed on the cast article as the latter is withdrawn through said bell end.

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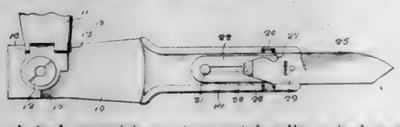
1,559,780. COMBINATION TOOL. CHARLES H. RICH, Woolrich, Pa. Filed Nov. 15, 1920. Serial No. 424,207. 4 Claims. (Cl. 145—2.)



1. A tool comprising a two-part handle, a tool proper pivoted between said parts adjacent one end of the handle and adapted to be normally arranged parallel with the latter, one part of said handle being hinged and pivotally mounted with respect to the other part, means for projecting said tool from between the respective parts of the handle, when said movable part is swung upon its pivot in one direction, and means for holding said parts of the handle parallel.

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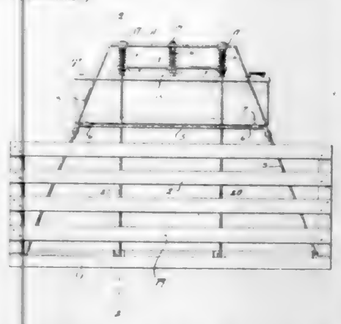
1,559,781. HOG OILER. JOHN ROBERTS, Wisner, Nebr. Filed July 15, 1924. Serial No. 726,193. 1 Claim. (Cl. 119—159.)



A hog oiler comprising a runway, a depressible floor for said runway, a tank positioned above the floor of the runway and provided in its bottom with a plurality of longitudinally spaced discharge openings, rods freely disposed through said openings and extending above the tank, valves carried by the lower portions of the rods for closing the discharge openings, and means whereby the longitudinally spaced valves are successively opened upon depression of said floor in a rocking movement, said means comprising upstanding members carried by the floor and extending above the tank at opposite sides thereof, cross members operatively engaged with said upstanding members, means for connecting the upper portions of the rods to said cross members, and longitudinally spaced retractile hangers for the upstanding members normally maintaining the floor in raised position and the valves normally in closed position with respect to the discharge openings in the bottom of the tank.

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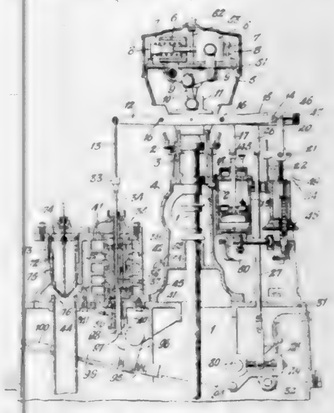
1,559,782. GOVERNOR. FRANK H. ROGERS, Philadelphia, Pa., assignor to William Cramp & Sons Ship and Engine Building Company, a Corporation of Pennsylvania. Filed Feb. 21, 1922. Serial No. 538,390. 33 Claims. (Cl. 137—158.)



1. In a governor mechanism for hydraulic turbines the combination with a supporting base separate from the turbine and spaced therefrom, of a governor pedestal on said base comprising a governor head, and additional pedestals for hand control mechanism and auxiliary equipment separately supported on said base.

16. In a governor mechanism for a turbine a plurality of governing means each having restoring mechanism and means for shifting from one to the other of said governing means.

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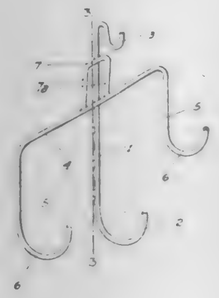
1,559,783. CLUSTER HOOK. SAMUEL S. ROSE and SUSAN L. SWOPE, San Jose, Calif. Filed Nov. 10, 1924. Serial No. 748,945. 1 Claim. (Cl. 248—22.)



An article of manufacture a hook cluster including a plurality of hooks spaced apart, a common connecting wire rigidly connected to one end of all the hooks, an inverted U-shaped wire arranged centrally of the connecting wire and rigidly attached thereto, and a center wire rigidly attached to the cross wire and the opposite side of the U-shaped wire to form with the U-shaped wire a friction loop for the reception of a strap.

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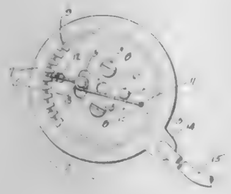
1,559,784. FUEL-SAVING DEVICE FOR AUTOMOBILES. ALVIN V. ROWE, Galesburg, Ill., assignor to G. E. Colby, Maywood, Ill. Filed July 2, 1920. Serial No. 393,710. 6 Claims. (Cl. 123—99.)



1. In a fuel saving device for automobiles, in combination, an attachment comprising a plurality of rotatable members, means for connecting said attachment to the fuel control valve of the carbureter, means for imparting rotational movement to one of said members independent of the other members, and means releasably connecting the members together for operating said attachment as an entity by and simultaneously with the spark lever.

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1,559,785. COUCH-ROLL JACKET. OSCAR L. RUSSELL, Albany, N. Y., assignor to F. C. Huyck & Sons, Rensselaer, N. Y., a Corporation of New York. Filed Dec. 4, 1924. Serial No. 753,832. 2 Claims. (Cl. 92—47.)

1. An interwoven multiple ply felted jacket for couch or similar rolls of paper making machines comprising one or more inner plies of comparatively coarse fibre wool and one or more outer plies of comparatively fine fibre wool.

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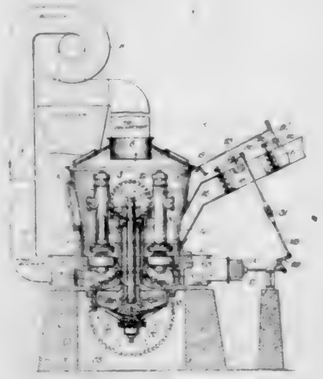
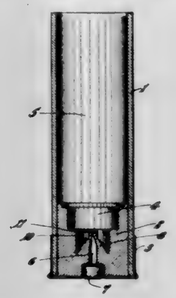
1,559,786. FEED CONTROL FOR PULVERIZING MILLS. OTTO A. SAUER, San Antonio, Tex., assignor of three-fourths to Eugene D. Nims, St. Louis, Mo. Filed Aug. 16, 1923. Serial No. 657,796. 3 Claims. (Cl. 83—44.)



1. In a pulverizing machine, grinding means, a feed control, comprising a chute, a pair of gates arranged to control the flow of material along said chute, mechanism connected to be actuated by the means for constantly reciprocating one of said gates for intermittently checking and releasing the flow of material along said chute, a motor device connected with the machine and adapted to be actuated by changes created therein by variations in the volume of the finished product, and a mechanical connection between said motor device and the other gate, whereby said other gate is shifted by said motor device for regulating the quantity of material delivered to the machine.

1,559,787. CARTRIDGE OR SHELL. GEORGE W. SCHAUERTE, Alton, and ALBERT J. HINDRICHS, East Alton, Ill., assignors to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed May 31, 1924. Serial No. 717,002. 13 Claims. (Cl. 102—17.)



13. The method of making base wads for cartridges or shells, comprising, forming the wad with a flash duct terminating in a converging tip, and compressing said tip to close said duct.

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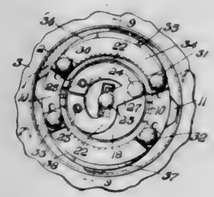
1,559,788. ELECTRIC SWITCH. WILLIAM SCHMIDT, Coldwater, Mich. Filed Mar. 25, 1924. Serial No. 701,872. 5 Claims. (Cl. 200—14.)



4. An electric switch including two switch spring arms formed of sheet metal and having adjacent ends and carrying contacts at their other ends; a positioner for said spring arms and engaging the adjacent ends of said arms; an electrical connection between said contacts; a contact carrier, the spring arms and contact carrier being relatively movable; and two contacts upon said carrier and respectively complemental to the aforesaid contacts.

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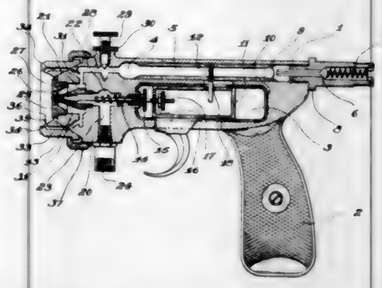
1,559,789. TOY GUN. WILLIAM F. SCHMIDT, Wyandotte, Mich., assignor to All Metal Products Company, Wyandotte, Mich., a Corporation of Delaware. Filed Feb. 16, 1924. Serial No. 693,196. 8 Claims. (Cl. 124—10.)

1. The combination of a barrel, a thimble fixed in said barrel so that its end shall form a stationary abutment, said thimble having one end closed with an aperture in said closure having its walls extended to form a tubular extension therefrom for the purpose described.

7. In an apparatus of the kind described, a thimble formed of a circular sheet having the slot $dx^4$ in one edge, and the cut-away portion $dx^5$ in the other edge, the same being shaped to form the L slot and rolled into a cylindrical form.

1,559,790. PNEUMATIC PAINTBRUSH. FREDERICK W. SCHNEIDER, Baltimore, Md., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Dec. 5, 1923. Serial No. 678,591. 6 Claims. (Cl. 91—45.)



2. In combination in an air brush, a body provided with a head having at its center concentric air and paint discharge passages and a pair of supplemental air passages on opposite sides of said passages, a cap mounted for rotary adjustment on the head and provided with a pair of oppositely disposed passages directed transversely of the passages at the center of the head and adapted to register at their inner ends with said supplemental air passages, and a removable perforated disc screw threaded into the head and constituting the orifice of said air passage at the center of the head.

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1,559,791. PROCESS FOR MAKING CELLULOSE-COMPOSITION-MATERIAL SPECTACLE AND EYEGLASS FRAMES. ELMER L. SCHUMACHER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Feb. 19, 1924. Serial No. 693,922. 12 Claims. (Cl. 18—51.)

4. The process of making spectacle and eyeglass frames and the like from cellulose composition material consisting in blanking out the frames from unseasoned stock, returning the cuttings from the unseasoned stock to the base stock to be re-used as the process continues, and seasoning the blanked out frames.

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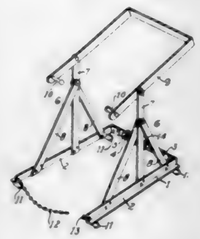
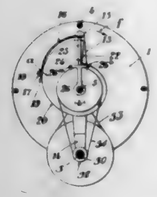
1,559,792. CARBOY-SUPPORTING DEVICE. WALTER G. SEABOLD, Alton, Ill., assignor to Illinois Glass Company, Alton, Ill., a Corporation of Illinois. Filed Dec. 22, 1922. Serial No. 608,447. 2 Claims. (Cl. 248—58.)



1. A device for supporting a carboy contained within a case, comprising a U-shaped base including a pair of members capable of sliding movement relative to each other whereby the width of said base may be increased or decreased, a flexible connecting member attached to the ends of said U-shaped base, and a member pivotally supported by said base, said member being adapted to pivotally engage said carboy case whereby said carboy case may be moved to an elevated position.



1,559,793. APPARATUS FOR THE MEASUREMENT OF SPEEDS. AUGUSTIN SEGUIN, Paris, France. Filed Dec. 1, 1921. Serial No. 519,071. 8 Claims. (Cl. 264—1.)



8. An apparatus for the measurement of speed embodying a stationary involute cam, a comparison member adapted to be driven about said cam and to traverse the surface thereof at a speed proportional to the speed to be measured, means for normally resiliently maintaining said member in engagement with the surface of said cam, said member being adapted to jump from the high point of the cam to a lower point thereof, an indicating pointer, an intermediate member, means for normally moving the intermediate member in one direction and into the path of the trajectory of the comparison member which serves to impel the setting member in the opposite direction, and a loose connection between the indicating pointer and the setting member to permit a relative determined angular movement between the same.

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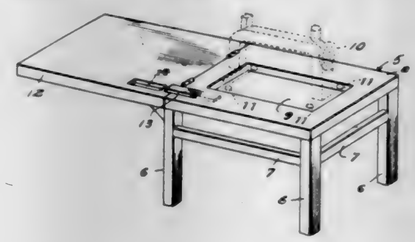
1,559,794. SEWING-MACHINE TABLE. JOHN L. SHERROD, New Orleans, La. Filed Oct. 6, 1922. Serial No. 592,724. 1 Claim. (Cl. 45—138.)



A table having a central cutout portion provided in the top face thereof and adapted to detachably receive and supporting the base of a sewing machine therein, a leaf hingedly secured to one end of said table, a latch pivotally mounted on one end of the top face of said table and adapted to have its free end engage the hinged end of the said leaf when the latter is extended, said leaf being provided with a cutout portion for the purpose of receiving the latch when the same is disengaged from the leaf and the latter is folded upon the table whereby the leaf is adapted to fit flush on the top face of said table and cover the opening provided therein.

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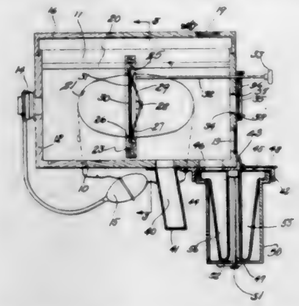
1,559,795. CAMERA. SAMUEL SHLAPROCK, New York, N. Y. Filed Dec. 5, 1923. Serial No. 678,568. 3 Claims. (Cl. 95—13.)

1. In a camera, a housing having a hinged cover thereon, a shutter and lens mechanism in one wall of the housing, the housing having an aperture on the wall opposite to the shutter mechanism and aligned therewith, a gate slidable vertically, said aperture being closable by said gate, a carrier frame slidably mounted in said housing, a rod fixed to said frame and adapted to project from said housing, a knob on the end of said rod, said rod being adapted to slide the carrier frame, the carrier frame having a rectangular opening, a sunken portion adjacent to and larger than the opening in the frame, and a glass plate mounted in said sunken portion, said glass plate being adapted to retain a sensitized card in place in the opening of the frame.



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1,559,796. BRAKE. RAY L. SHUEY, Kansas City, Mo., and ARTHUR C. MCGEE, Olathe, Kans. Filed Oct. 10, 1923. Serial No. 667,633. 5 Claims. (Cl. 188—167.)

1. In combination with a wheeled truck, a bracket, a pivoted lever on the bracket, a rock shaft, brake levers on the rock shaft having brake shoes for engagement with the wheels of the truck, an arm on the rock shaft, a spring connected to a rigid part on the truck and to the arm normally urging the brakes into braking position and a connecting rod between the arm and the first named lever, the connecting rod having an off set portion pivoted to the first named lever, the pivot being adapted to be swung below a horizontal plane passing through the pivotal connection between the first named lever and the bracket when in one position to oppose the spring and adapted to be swung above a horizontal plane passing through the pivotal connection between the first named lever and the bracket to permit the spring to function.

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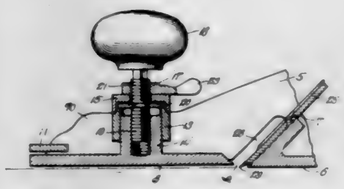
1,559,797. CARPENTER'S PLANE. JOSEPH SLOMER, Waukegan, Ill. Filed Sept. 27, 1924. Serial No. 740,242. 2 Claims. (Cl. 145—15.)



2. A plane, comprising a stock, an integral rear sole plate section thereon, a forward sole plate section having a hollow internally threaded hub centrally disposed on its upper face, a transverse bridge wall fixed to said stock and formed with a socket adapted to receive and guide said hollow hub, a pressure knob having a screw-

threaded stem adapted to engage said internally threaded hub, means preventing endwise movement of said stem with respect to said bridge wall, and a check nut for said stem.

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1,559,798. SPRING HANGER AND METHOD OF CONNECTING THE SAME TO SIDE BARS OF AUTOMOBILE FRAMES. CHARLES S. SMITH, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed Oct. 1, 1923. Serial No. 665,996. 8 Claims. (Cl. 267—54.)

1. In an automobile frame, a channel side bar, and a spring hanger secured in the channel of the side bar, the spring hanger being permanently united to the side bar by means of integral portions of the hanger engaging the side bar.

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1,559,799. MANUFACTURE OF TUNGSTEN. COLIN JAMES SMITHELLS, Oxhey, England, assignor to The General Electric Company Limited, London, England. Filed June 5, 1922. Serial No. 566,135. 3 Claims. (Cl. 176—132.)

1. A process for the manufacture of tungsten metal suitable for the filaments of incandescent electric lamps according to which there is added to the tungsten compound before reduction to metal a combination of additives consisting of (1) not more than 1% of a substance which will introduce into the resulting metal a non-volatile oxide irreducible by hydrogen, and (2) not more than .5% of a compound of an alkali metal which is decomposed in the subsequent treatment of the mixture in hydrogen.

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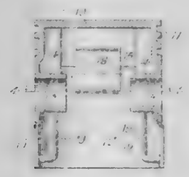
1,559,800. ENGINE PISTON. ALBERT SPILLMAN, North Tonawanda, N. Y. Filed July 12, 1921. Serial No. 484,124. 5 Claims. (Cl. 74—108.)



1. A piston comprising a head, a skirt including resilient sections separated from said head by a slit extending continuously around the piston, and webs connecting said sections with said head, said webs being spaced from the inner side of the head and the skirt sections and having their upper and lower ends joined thereto adjacent to said slit.

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1,559,801. CYLINDRICAL END GAUGE. ADOLF STEINLE, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921. Serial No. 492,126. 4 Claims. (Cl. 33—164.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. In combination a plurality of rod shaped end gauges, a holder for each gauge respectively, each holder slidably enclosing and being of substantially the same length as its gauge, and means carried by each end of each holder

whereby two or more holders may be secured together with their gauges in axial alignment and with their adjacent ends in contact.

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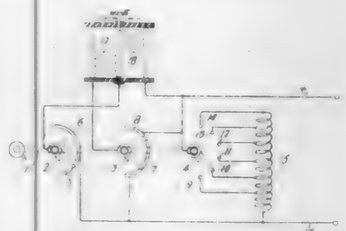
1,559,802. ELECTRICAL SWITCHING CIRCUITS. GEORGE H. STEVENSON, Rye, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 16, 1921. Serial No. 469,827. 4 Claims. (Cl. 250—40.)



1. In combination, a line, an inductance and a pair of condensers arranged for connection across said line, and a multi-point switch for simultaneously varying the amounts of capacity and inductance included across said line, said switch being arranged in one position to include across said line a relatively small amount of inductance and in parallel therewith said pair of condensers in series with each other, and in another position a larger amount of inductance across said line and in parallel therewith one only of said condensers, and in a third position a still larger amount of inductance across said line and in parallel therewith both of said condensers in parallel.

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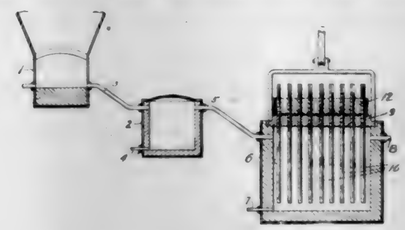
1,559,803. TREATMENT OF METALLURGICAL SLAG. HARRY HOWARD STOUT, Douglas, Ariz. Filed Nov. 25, 1921. Serial No. 517,449. 1 Claim. (Cl. 75—17.)

The process of removing metal values from molten metallurgical slag, which comprises bringing the whole body of a charge of molten slag into contact with a non-molten material which reacts with ingredients of the molten slag to precipitate said metallic values therefrom and the uncombined residuum of which is persistently non molten throughout the precipitating reaction, the slag-charge temperature remaining unincreased during its contact with the said non-molten material, and the initial quantity of the non-molten material being greater



than what is necessary to accomplish the desired precipitation, and positively moving the non-molten material within and relatively to the body of slag.

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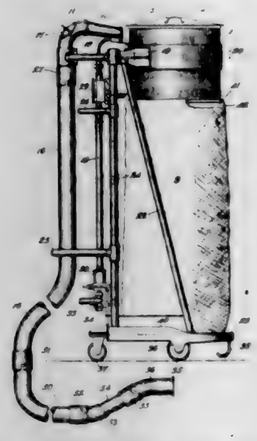
1,559,804. AIR-INDUCTION-CLEANING APPARATUS. ROBERT P. SWEENY, Union, S. C. Filed June 16, 1922. Serial No. 568,830. 21 Claims. (Cl. 183—36.)



1. An air cleaning apparatus comprising a truck, a braced frame structure including upright rods and inclined brace-rods, a waste collecting chamber, a band surrounding the chamber leaving the lower end of the chamber accessible to receive the open end of a bag thereover, brackets on the band supported by the frame structure, a compressed air pipe and suction pipe communicating with the upper part of the chamber and both pipes supported by the framework, and a waste bag detachably attached to the lower end of the waste collecting chamber and supportable by the truck.

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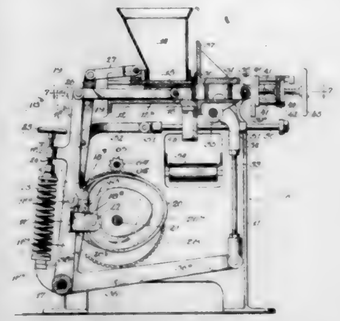
1,559,805. DOUGH DIVIDER. FRANK STREICH, Joliet, Ill., assignor to Union Machinery Company, Joliet, Ill., a Corporation of Illinois. Filed Sept. 4, 1923. Serial No. 660,758. 3 Claims. (Cl. 107—15.)

1. In a divider, a receiving chamber having a discharge end, a reciprocatory charging plunger therein, a reciprocatory carrier movable transversely of said receiving chamber, and having a measuring pocket of the same cross section as the receiving chamber capable of registering with the discharge end thereof, means for reciprocating said charging plunger and carrier in timed relation to each other, a stationarily supported dough





dividing member external of the chamber and pocket, and located in front of the discharge end of the pocket when the latter is in the position occupied when its contents



are being ejected, an ejecting plunger in said pocket, and means for actuating said plunger to eject the contents of the pocket and force it across said dough dividing member.

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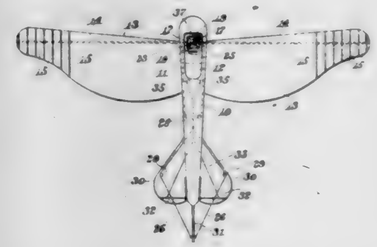
1,559,806. GLIDER. CHARLES R. SWIFT, Middleboro, Mass. Filed Aug. 18, 1924. Serial No. 732,695. 2 Claims. (Cl. 244—12.)



1. The combination of a car provided with a seat for the operator; an oscillating yoke on said car; a rudder on said car; main wings extending laterally from the front end of the car in opposite directions; shafts extending lengthwise of said wings; cross arms secured to the outer ends of said shafts; a shaft revolubly mounted in said yoke; intermediate gears thereon meshing with said wing-shaft gears; a drum on said yoke shaft; and flexible connections between said drum and said rudder.

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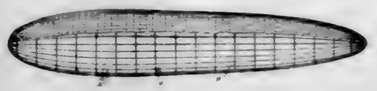
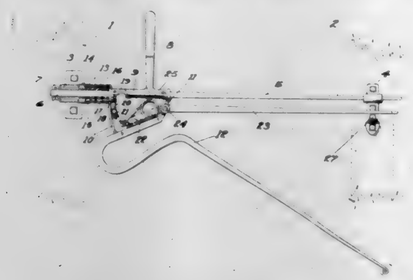
1,559,807. METHOD OF ERECTING AIRSHIPS. HERBERT V. THADEN, Detroit, Mich. Filed Jan. 16, 1925. Serial No. 2,784. 6 Claims. (Cl. 244—3.)



1. The method of erecting air-ships which consists in dividing the entire ship into units by imaginary horizontal planes, completing the uppermost unit, raising said completed unit vertically and adding successively succeeding units.

1,559,808. MAIL-POUCH COLLECTOR. RILEY M. THOMPSON, Sacramento, Calif., assignor of one-half to Hugh A. Woodward, Sacramento, Calif. Filed Aug. 8, 1924. Serial No. 730,883. 9 Claims. (Cl. 258—22.)



1. In a mail pouch collecting mechanism, the combination with a rigid collecting arm, of a secondary and longitudinally movable arm normally spaced from the collecting arm, spring means tending to cause the secondary arm to move toward the collecting arm, means enabling said arms to be turned and moved longitudinally as a unit, means releasable with the longitudinal movement of the arms for normally preventing the spring means from acting, and means whereby said last named means can only be released when the arms are turned to a pouch engaging position.

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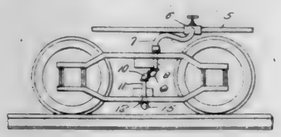
1,559,809. AUTOMATIC TRAIN STOP. HARRY L. TONKINSON, Texarkana, Tex. Filed July 1, 1925. Serial No. 40,858. 1 Claim. (Cl. 246—171.)



A device of the class described including a breakable cap having a groove in the end thereof, a bar having its intermediate portion seated in said groove, and a fastening element securing the bar in the groove and to the cap.

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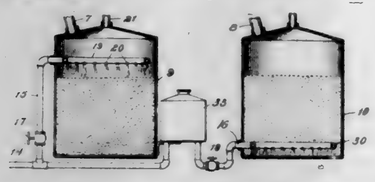
1,559,810. METHOD OF FEEDING DRY-PULVERIZED COAL. WALTER E. TRENT, Washington, D. C., assignor, by mesne assignments, to Trent Process Corporation, Wilmington, Del., a Corporation of Delaware. Filed Oct. 22, 1919. Serial No. 332,548. 1 Claim. (Cl. 302—53.)



A process for feeding pulverized coal in air suspension, consisting in providing a bulk supply of such coal in independent receivers, in introducing an air current to one of said receivers to impinge upon the upper surface of the coal therein, to progressively carry said coal from said surface through such receivers until the contents thereof have been removed, in then discontinuing the introduction of air to such receiver and introducing a stream of air to the second receiver under pressure discharging into the lower portion of the material therein to pass through said material toward its surfaces, and to carry particles thereof in suspension, and in removing the moisture from said air before it is introduced to said last-mentioned receiver.

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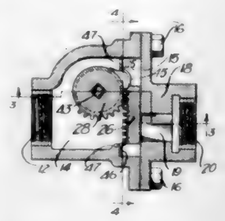
1,559,811. VALVE. MILON J. TRUMBLE, Alhambra, Calif., assignor to Brown Valve and Manufacturing Co., Alhambra, Calif., a Corporation of California. Filed Oct. 16, 1922. Serial No. 594,759. 1 Claim. (Cl. 251—54.)



In a sliding plate valve, the combination of: a valve body having an inlet and an outlet and being provided with a valve seat surrounding said outlet; a vertically slidable valve plate normally closing said outlet and having a rack formed on its inner surface; a gear engaging said rack; means for rotating the gear to translate said valve plate; and a pair of imperforate leaf springs maintaining the valve plate against its seat, the respective springs engaging said valve plate on opposite sides of and closely adjacent the rack to form a guide means preventing substantial transverse displacement of the valve plate, said springs exerting a pressure against the valve plate increasing as the valve plate moves to closed position, the interior surface of the valve body being formed for coengagement by the springs to maintain the springs against substantial displacement.

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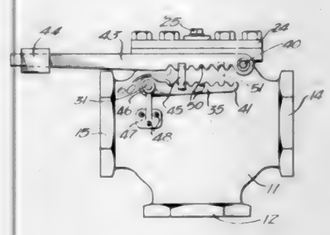
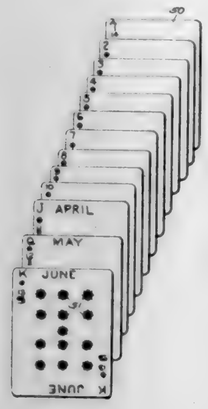
1,559,812. RELIEF VALVE. MILON J. TRUMBLE, Alhambra, Calif., assignor to Brown Valve and Manufacturing Co., Alhambra, Calif., a Corporation. Filed Nov. 21, 1922. Serial No. 602,350. 4 Claims. (Cl. 137—53.)



1. In a relief valve, the combination with a casing provided with a valve opening and a valve normally closing said opening, of pressure resisting means co-acting with said valve comprising a pivoted primary arm; means connecting said primary arm to said valve; a secondary arm pivoted adjacent the free end of said primary arm; means connecting said arms, the adjacent edges of said arms serrated to receive the edges of said connecting means; and a weight carried by and slidable on said secondary arm.



1,559,813. CARD GAME. THOMAS C. VAN BENTHUYSEN, Divide, Wyo. Filed Feb. 27, 1925. Serial No. 12,009. 5 Claims. (Cl. 178—152.)




1. A card game of the character described comprising a plurality of suits of cards, each suit having the same number of cards and the cards of the suit having different numerical values and an additional card having a plurality of predetermined elective values indicated thereon.

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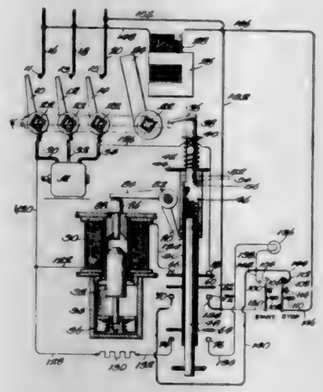
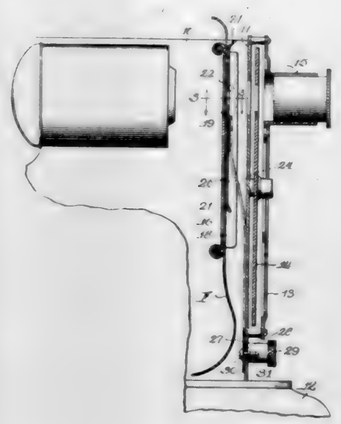
1,559,814. MOTOR CONTROLLER. HERMON L. VAN VALKENBURG, Milwaukee, Wis., assignor to Industrial Controller Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 27, 1925. Serial No. 39,946. 8 Claims. (Cl. 172—179.)



1. In combination, an electroresponsive device, a switch operable to cause said device to respond but tending when released to deenergize said device, and electroresponsive means for preventing said switch from deenergizing said device but necessitating manual retention of said switch for a temporary period after the response of said device, said electroresponsive means having a mechanical retarding device for regulating its operation.

1,559,815. FILM TENSIONING AND FRAMING DEVICE. ALEXANDER FERDINAND VICTOR, Davenport, Iowa. Filed Dec. 10, 1923. Serial No. 679,802. 7 Claims. (Cl. 88—17.)



1. A framing and tensioning device for film comprising a guide plate, a presser coacting therewith and having apertures therein, means for supporting and yieldingly urging said presser plate towards the guide plate, and devices for moving said means longitudinally with respect to said guide plate whereby said aperture may be brought into registry with a picture upon the film.

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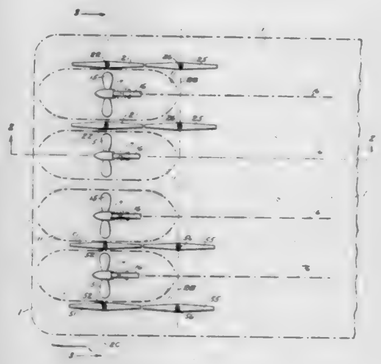
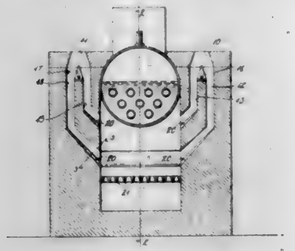
1,559,816. RUDDER CONTROL FOR TOWBOATS. CHARLES E. WARD, Charleston, W. Va., assignor to The Charles Ward Engineering Works, Charleston, W. Va., a Corporation of West Virginia. Filed Apr. 29, 1925. Serial No. 26,709. 18 Claims. (Cl. 114—163.)



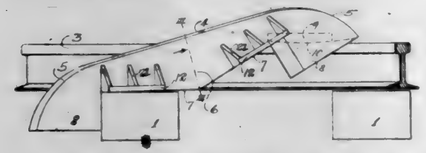
17. In a tow boat of the chambered type the combination of a propeller in each chamber; and rudders disposed in a plurality of transverse planes, one of said planes passing through said propellers.

1,559,817. FUEL SPREADER. WILBURT WARD, Ste. Genevieve, Mo. Filed Jan. 26, 1925. Serial No. 4,842. 3 Claims. (Cl. 110—118.)



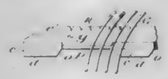
1. In a furnace, in combination, a furnace wall provided with a fuel admitting passage and diverging channels leading downwardly therefrom to deliver fuel upon the grate of the furnace, each of said channels being formed in one of the surfaces thereof at its outlet with diverging fuel deflecting grooves.

1,559,818. RERAILING FROG. HENRY R. WARFORD, Memphis, Tenn. Filed July 24, 1925. Serial No. 45,774. 4 Claims. (Cl. 104—268.)



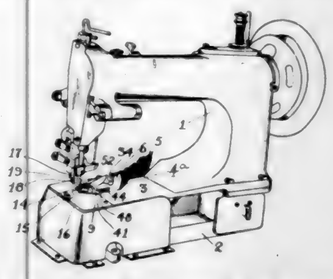
1. A rerailing frog, comprising a body portion substantially rectangular in cross section and symmetrical about its longitudinal center, having a substantially flat upper surface, downwardly curved to provide approaches thereto at each end, and its under surfaces each converging from the longitudinal center toward an end, said ends being continued and extending below, and substantially at right angles to, said body portion to form tie abutments for said frog; a member projecting laterally from the side of the body portion near each end, having an angularly disposed channel-way cut therethrough and through the said ends to provide a rail seat, said rail seat being convex; flanges, oppositely disposed from said members, extending laterally from said body portion, and having their under surfaces flush with the under surface of said body portion and forming a continuation thereof, to form, with the underside of said body portion, a tie seat for said frog; and a centrally disposed dog adapted to interlock with the underside of the ball of the rail.

1,559,819. REENFORCEMENT FOR CONCRETE AND THE LIKE. CHARLES WILLIAM WATSON, St. Kilda, Victoria, Australia. Filed June 20, 1923. Serial No. 646,725. 7 Claims. (Cl. 72—109.)



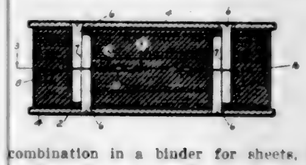
1. A reenforcement retainer for curvilinearly disposed reenforcing means for an agglomerate structure, said retainer comprising a basic metal bar element and a secondary agglomerate element molded thereto, said secondary agglomerate element having one of its radial faces substantially arcuate in cross-section to engage and seat upon the opposed face of the mold employed in forming the agglomerate structure.

1,559,820. BINDER OR FOLDER FOR SEWING MACHINES. ALBERT H. WEIS, Nyack, N. Y., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y., a Corporation of Delaware. Filed Mar. 29, 1922. Serial No. 547,666. 26 Claims. (Cl. 112—138.)



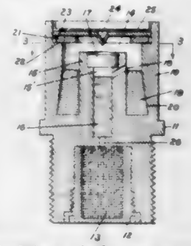
1. A binder adapted to receive a pile binding, and having means effective to deflect the pile of the binding away from the line of stitching during the attachment of an edge thereof to an article of apparel.

1,559,821. BINDER. GEORGE P. WIGGINGTON, Kalamazoo, Mich., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Filed Apr. 17, 1922. Serial No. 553,805. 10 Claims. (Cl. 281—25.)



6. The combination in a binder for sheets, of a coacting pair of post members adapted for slidable engagement within the sheet body when introduced into the body of sheets from opposite sides thereof, a clutch plate adapted to be interposed between sheets of said sheet body and provided with a hole through which said post members project, and a spring clutch member mounted on said plate in diverging relation thereto and positioned so that when collapsed upon the plate said post members are clamped together.

1,559,822. TRACER FUSE. SAMUEL WILEY, Metuchen, N. J. Filed June 30, 1924. Serial No. 723,372. 8 Claims. (Cl. 102—36.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A fuse embodying a body, an annular flange formed on the body for defining a shell and cartridge case receiving portion, a cup carried in the shell receiving portion and adapted to enclose an explosive charge, a centrally disposed hollowed extension formed within the cartridge case receiving portion and spaced from its walls to form a chamber, said extension adapted to receive a time train element and to space a tracer element adapted to be carried in the chamber, a primer mounted

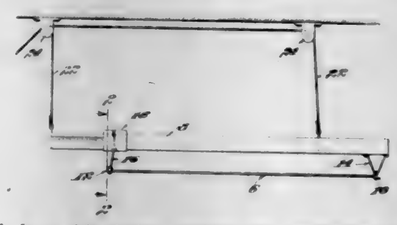


on the extension, means for firing the primer, and means formed in the body and the extension for communicating ignition to the cup and to the chamber.

1,559,823. NECKTIE HOLDER. ALBERT W. WILSON, San Francisco, Calif. Filed May 9, 1925. Serial No. 29,170. 1 Claim. (Cl. 24—57.)

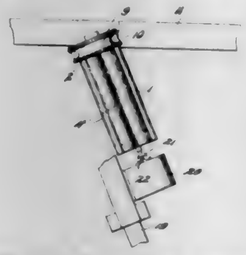
As a new article of manufacture, a necktie holder comprising a form including a vertical shank having relatively separable leads, a tape movable between the leads and provided with means to engage with a collar button and means sliding on the shank for gripping the leads against the tape.

1,559,824. MECHANISM FOR MEASURING THE WIDTH OF ENDLESS FELTS. EZEKIEL J. WILSON, East Greenbush, N. Y., assignor to F. C. Huyck & Sons, Rensselaer, N. Y., a Corporation of New York. Filed Feb. 25, 1922. Serial No. 539,184. 12 Claims. (Cl. 33—148.)



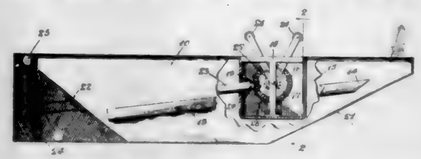
1. In a felt drying machine the combination with drying and stretching rolls, of two relatively movable edge engaging members, means for mounting them to ride against the opposite edges of the felt travelling over the rolls, and means associated with said members for recording variations in the width of the felt travelling between them.

1,559,825. REVOLVER-LOADING DEVICE. MARY F. F. WILSON, New Rochelle, N. Y. Filed Nov. 26, 1924. Serial No. 752,329. 4 Claims. (Cl. 42—89.)



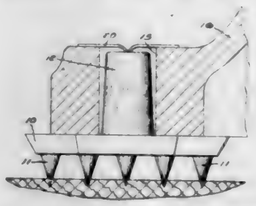
1. A loading pack for revolvers comprising a casing, means for supporting a clip of cartridges therein, and means for releasing the said clip by engagement with the cylinder of the revolver.

1,559,826. HAND-PROPELLED BOAT. GEORGE FRED WINTER. Honolulu, Territory of Hawaii. Filed Oct. 3, 1924. Serial No. 741,473. 5 Claims. (Cl. 115—24.)



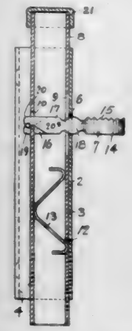
5. A boat having a closed hull forming an air chamber therein and a pair of keel hollow, elongated members outstanding from the sides thereof, the hull being adapted to be straddled by the operator and the keel members forming foot rests as described.

1,559,827. FREIGHT-ANTICREEPING DEVICE. JOHN WITTMAN, Hamilton, Ohio. Filed Mar. 1, 1924. Serial No. 696,305. 1 Claim. (Cl. 45—137.)



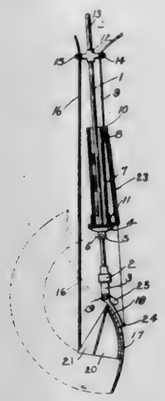
A freight anticreeping device comprising a metallic plate, a plurality of projecting teeth carried by said plate upon one face thereof, an upstanding lug carried by said plate upon the other face thereof adapted for positioning within a suitable opening in the freight with which the said anticreeping device is to be used, and a plurality of wires carried by said lug for holding the said anticreeping device in position with respect to the freight.

1,559,828. FOOT BOLT. HARRY E. WOEHNLE, Pittsburgh, Pa., assignor to McKinney Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 10, 1923. Serial No. 624,156. 2 Claims. (Cl. 292—143.)



1. A foot-bolt comprising a casing, a bolt proper therein, a foot-lever passing through registering openings in said casing and bolt and fulcrumed in said casing, said foot-lever having inwardly extending spring arms beyond said fulcrum point having oppositely arranged nibs at the ends thereof, and nonaligned openings formed in said bolt to receive the inner ends of said arms, whereby said nibs engage the outer walls of said bolt.

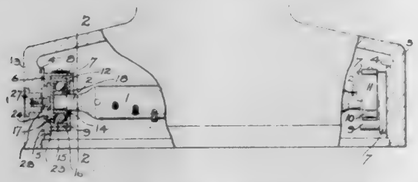
1,559,829. HAND-POWER DIGGER. HARRY M. WOLFE, Lake Burien, Wash. Filed Apr. 19, 1923. Serial No. 633,292. 5 Claims. (Cl. 55—71.)



2. An implement having a cutting tool attached to a handle; a flat disk forming a seat attached to the lower end of the handle; a sliding member on the handle above the seat; a spring for pulling the sliding member downward and for holding the tool backward; a cross member at the upper end of the handle; pulleys on the cross member; and cords passing over the pulley and connected to the sliding member and to the cutting tool.

4. An implement for excavating small holes having a handle; a sliding hammer on the handle; means for raising the hammer from a remote point; a means for pulling the hammer downward, and a means at the lower end of the handle for digging and raising material which may be adjusted from a remote point.

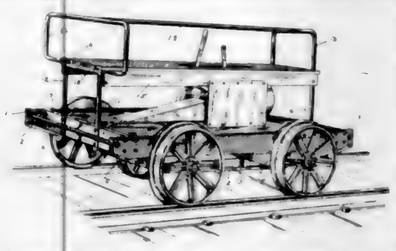
1,559,830. BEARING ARRANGEMENT. SAMUEL W. WOODALL, Detroit, Mich. Filed Aug. 28, 1924. Serial No. 734,682. 6 Claims. (Cl. 308—195.)



1. A bearing arrangement comprising a spindle having ends mounted in bearings positioned within a frame, housings attached to said frame having inwardly inclined segmental bearing surfaces adapted to receive bearing casings, and springs secured to the outer circumferences of said segmental bearing surfaces which are adapted to grip each of said bearing casings at two points on its circumference.

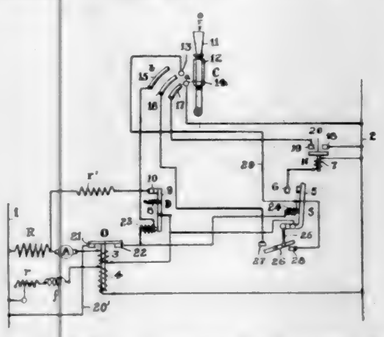
1,559,831. RAILWAY MOTOR CAR. HORACE E. WOOLERY, St. Paul, Minn. Filed July 24, 1922. Serial No. 577,216. Renewed Sept. 28, 1925. 3 Claims. (Cl. 105—162.)

1. In a railway motor car the combination with the running parts and car floor and inner and outer longitudinal sill members and front and rear cross frame timbers, of timber and tubular housing members with metal engine guards disposed downward and between



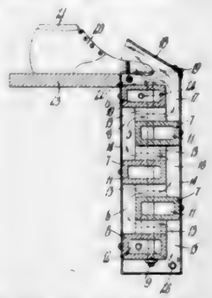
said timber housing and the inner longitudinal sill members, said tubular members bolted to the front and rear cross frame timbers.

1,559,832. ELECTRIC CONTROLLER. DAVID C. WRIGHT, Euclid, and PHILIP V. TIPPET, Cuyahoga Falls, Ohio. Filed Apr. 13, 1925. Serial No. 22,548. 4 Claims. (Cl. 172—179.)



1. In a system for controlling direct current motors, an electric motor, a circuit therefor, an electromagnetic contactor for closing the circuit, an underload relay having its operating winding in the said circuit, and a master controller having in the running position contacts in the circuit of the contacts of the relay and in the circuit of the winding of the contactor, and having in starting position contacts short-circuiting the contacts of the relay and including the winding of the contactor.

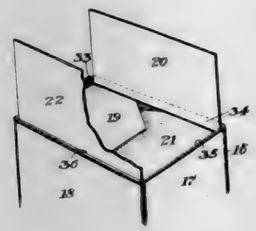
1,559,833. APPARATUS FOR SOFTENING SHOES. ALFRED YOUNG Milford, Mass. Filed June 2, 1925. Serial No. 34,339. 5 Claims. (Cl. 12—1.)



1. An apparatus for softening shoes comprising, in combination, a steam radiator embodying therein a plurality of communicating sections arranged in staggered relation to each other laterally, a casing enclosing said radiator and co-operating with the sections thereof to form chambers, the latter also being located in staggered relation to each other laterally, the lowermost section communicating with said casing at the bottom thereof, there being passageways between said sections connecting said chambers together, and means to support a shoe in a position to be exposed to steam passing from said casing.

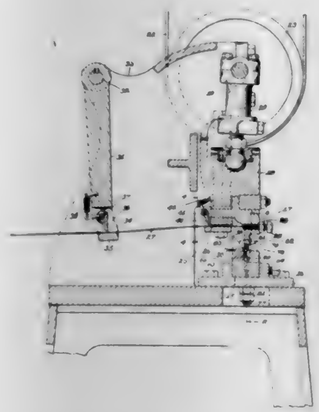


1,559,834. CONTAINER. PHILIP ZALKIND, New York, N. Y. Filed July 30, 1921. Serial No. 488,574. 11 Claims. (Cl. 229—87.)



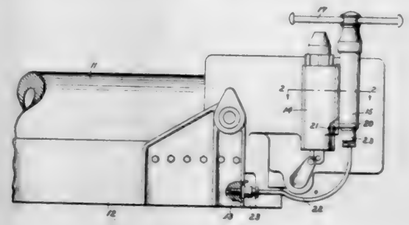
11. A container comprising a peripheral wall, an inturned panel which is continuous and is substantially coextensive circumferentially of the said peripheral wall, and members extending inwardly from portions of the said inturned panel to complete the end of the container, there being means provided for maintaining said inturned members in place relatively to each other and to the said portions of the inturned panel.

1,559,835. METAL-WORKING MACHINE. CORBAN H. ZILER, Detroit, Mich., assignor to L. A. Young Industries, Incorporated, Detroit, Mich. Filed Mar. 13, 1924. Serial No. 698,918. 21 Claims. (Cl. 153—1.)



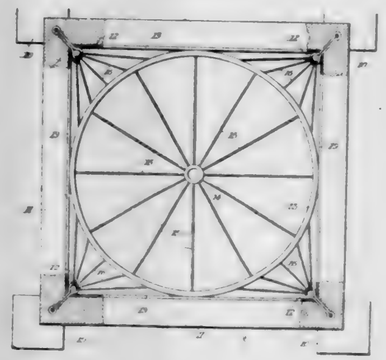
6. In a structure of the class described, the combination of means for feeding stock with a step by step movement, a female forming member provided with a forming recess, a shear block, a coacting reciprocatingly mounted male forming member, an adjustable stock stop on said male forming member, and a cutter mounted on said male forming member to coact with said shear block.

1,559,836. MOUNTING FOR PUMPS. HARRY C. ZIMMERMAN, Washington, D. C. Filed Sept. 11, 1924. Serial No. 737,176. 3 Claims. (Cl. 89—43.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



3. The combination with a gun having a groove therein, of a pump formed with a complementary tongue for removably mounting the pump on the gun.

1,559,837. REENFORCEMENT WORK FOR CONCRETE CONSTRUCTION. ORREN ALLEN, Denver, Colo. Filed June 30, 1924. Serial No. 723,246. 9 Claims. (Cl. 72—71.)

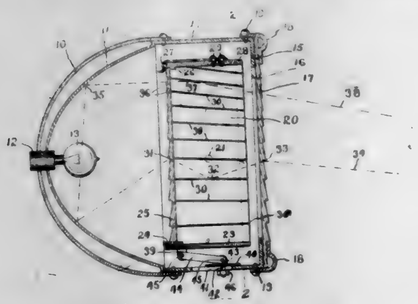


1. A structure for reenforcing concrete, comprising a rim portion corresponding substantially to the largest circle-like geometrical figure that can be inscribed within the area to be reenforced, a hub portion, spoke-like elements radiating from the hub portion and secured to the rim portion, and stress-rods attached in substantially uniformly spaced relation to the rim portion along the whole length thereof and converging in groups to a plurality of points adjacent the perimeter of the area to be reenforced.

1,559,838. HEADLIGHT. RILEY E. ANTHONY, Omaha, Nebr., assignor of one-half to Martin K. Neshiem, Los Angeles, Calif. Filed Nov. 14, 1924. Serial No. 749,873. 3 Claims. (Cl. 240—45.)

2. In a motor vehicle headlight, the combination of a casing, and an adjustable deflector pivotally mounted

within said casing, said deflector comprising a frame, a lens detachably mounted at one side of said frame, deflector plates mounted within said frame and adapted to



control the projection of light beams, and adjustable means adapted to control the inclination of said deflector within said casing.

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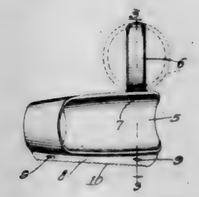
1,559,839. FRUIT CUTTER. WADE H. ASHER, Selma, Calif., assignor of one-half to Harrison Hampton, San Antonio, Tex. Filed July 26, 1924. Serial No. 728,400. 1 Claim. (Cl. 30—24.)



A fruit stem cutting device comprising a curved body portion, the body portion adapted to engage the under surface of the forefinger of the hand of the user throughout substantially the entire length of the finger, the upper portion of the body portion being cut away to provide a clearance for the knuckle of the fore-finger, a blade carried by the body portion, a ring member adapted to be positioned over a finger of the hand of the user, and means for pivotally connecting the ring member to the body portion.

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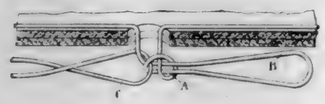
1,559,840. SEWING. FREDERICK BAKER, Blackheath, London, England, assignor to Single Thread Lockstitch Machines Limited, London, England, a Company of Great Britain. Original application filed Jan. 17, 1923, Serial No. 613,223. Divided and this application filed Jan. 25, 1924. Serial No. 688,571. 7 Claims. (Cl. 112—262.)



1. A method of forming a single thread locked stitch consisting in drawing a single loop through each needle penetration of the material being sewn, dividing each such loop drawn from the needle into two loops, a permanent loop and a temporary loop, twisting the temporary loop and passing it completely over the permanent loop in drawing up the said temporary loop to the material being sewn.

1,559,841. SYSTEM OF WATER CONSERVATION. FREDERICK BENZ, Haledon, N. J. Filed May 27, 1924. Serial No. 716,108. 4 Claims. (Cl. 61—1.)

3. Means to conserve the water of a stream substantially without change in the appearance of the stream as viewed from one shore thereof, said means obstructing the flow of the stream throughout a substantial part of the width thereof and from the bottom upward and having a generally flat top surface forming a part of the stream bed and arranged higher than the portion of the stream bed between said means and one shore and also higher than the part of the stream bed upstream-adjacent to said surface.

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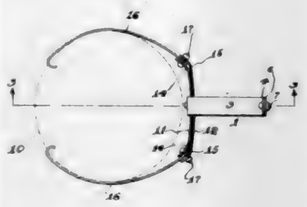
1,559,842. TEMPORARY POLE-STEP DEVICE. LEVI M. HOLLINGER, Bunker Hill, Kans. Filed Sept. 17, 1924. Serial No. 738,310. 2 Claims. (Cl. 228—47.)



1. In a pole step, a strip bent to provide a foot engaging portion and a shank extending downwardly from the inner end thereof, a diagonal brace, fasteners connecting the ends of said brace with the outer end of said foot engaging portion and lower end of said shank, the lower fastener being extended and having a pointed end forming a tooth for biting into a hole, cross strips extending in cross relation to the upper end portion of said shank and pivotally connected therewith, the end portions of said cross strips being bent outwardly, and strips pivotally mounted between the end portions of said cross strips and curved longitudinally to embrace a pole and having their free end portions bent inwardly and terminating in pole penetrating points.

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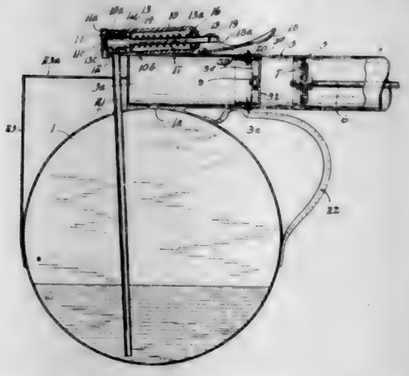
1,559,843. SPRAYER WITH AIR CHAMBER AND TRANSVERSE TANK. HENRY E. BRANDT, North St. Paul, Minn., assignor to Dobbins Manufacturing Company, North St. Paul, Minn., a Corporation of South Dakota. Filed July 17, 1924. Serial No. 726,498. 7 Claims. (Cl. 299—89.)

3. A liquid spraying device having in combination, a liquid containing tank, an air pump comprising a barrel secured to the top of said tank and extending substantially at right angles to the axis of said tank, said barrel having a forward portion forming a compressed air chamber, a spraying nozzle secured on top of and extending longitudinally of said barrel at the front end thereof, means for controlling the discharge of liquid through said nozzle, and a supporting foot extending substantially tangent to the front of said tank and connected to the end of said barrel.

6. A spraying device comprising a tank, a barrel member of relative small diameter rigidly secured to the top of said tank, said barrel having a front section interiorly threaded at its rear end, a cup-shaped sleeve



screwed therein forming a partition in said barrel and carrying a forwardly opening check valve, said sleeve being exteriorly threaded and projecting at the rear



end of said section, a rear section of said barrel screwed onto said sleeve and a gasket surrounding said sleeve and clamped between said sections.

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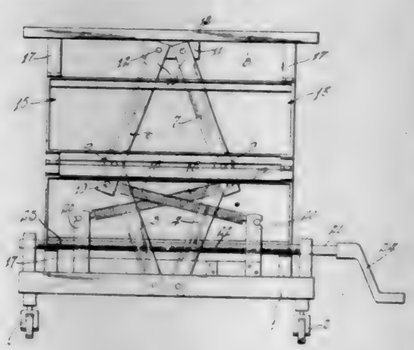
1,559,844. LEDGER STAND. CLYDE EVERETT BROOKS, Mason City, Iowa. Filed Mar. 24, 1924. Serial No. 701,485. 2 Claims. (Cl. 45—60.)



1. A ledger stand of the character described comprising a base member, a ledger supporting platform, a collapsible means comprising a pair of frames pivotally connected with one another and with said base member and said ledger supporting platform respectively, spring means associated with said collapsible means for yieldingly elevating said platform, and a pair of frames pivotally mounted to each other and to said platform and said base respectively, and having their axes disposed transverse to the axes of said collapsible means, whereby said base member and said platform are maintained substantially parallel at all times.

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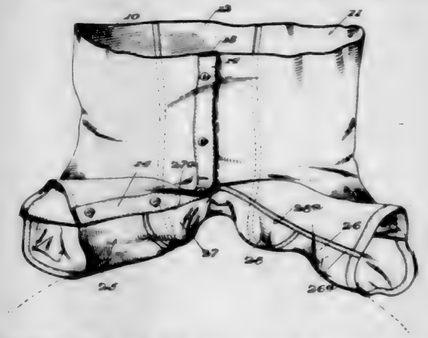
1,559,845. UNION SUIT. J. PAUL BROWN, Atlanta, Ga. Filed Oct. 28, 1922. Serial No. 597,589. 2 Claims. (Cl. 2—78.)

1. A union suit made up of three pieces and a pair of button strips, said three pieces including a back piece and two combined front and side pieces, the combined front and side pieces having vertical edges and extensions at their lower ends at the opposite side from said vertical edges, said back piece having a pair of extensions at its lower end and a button strip secured to the vertical edge of one of the combined front and side pieces from the neck opening to the apex of the crotch, said button strip being also secured to one of the extensions of the back piece beyond the apex of the crotch and being further secured to the extension of the other



combined front and side piece beyond the point where it is secured to the extension of the back piece, the other extension of the back piece being secured to the vertical edge of the first-mentioned front piece immediately below the apex of the crotch and the extension of said last mentioned front piece being secured to the lower portion of the vertical edge of said front piece.

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1,559,846. IMPREGNATED MATERIAL AND PROCESS OF PRODUCING SAME. KIRK BROWN, Montclair, N. J., assignor to Bakelite Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 18, 1923. Serial No. 633,015. 9 Claims. (Cl. 154—2.)

1. A process of producing impregnated material, comprising, impregnating the interior portion of a body of fibrous material with substances capable of reaction to produce a water-resistant phenolic condensation product, such substances comprising a phenolic substance and a hardening reagent therefor in proportion less than that required, in reaction with said phenolic substance, to produce maximum hardness and infusibility, impregnating the outer portion of the body with substances capable of reaction to produce a water-resistant phenolic condensation product, such substances comprising a phenolic substance and a hardening reagent therefor in greater proportion than the first mentioned hardening reagent, and applying heat to cause the reactions between said phenolic substances and hardening reagents therefor to ensue.

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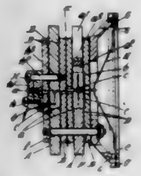
1,559,847. ELECTRICAL TRANSMISSION OR REPRODUCTION OF SOUND. SIDNEY GEORGE BROWN, North Acton, England. Filed May 29, 1922. Serial No. 564,386. 6 Claims. (Cl. 179—122.)



1. A microphone comprising in combination, a plurality of substantial metal plates secured face to face, insulating material between said plates separating them from each other, one of said plates intermediate between

the others having an aperture therein forming a microphone cell, a microphone plate supported in an insulated manner within said aperture, an external vibratory member, and means for connecting said vibratory member to said microphone plate, as set forth.

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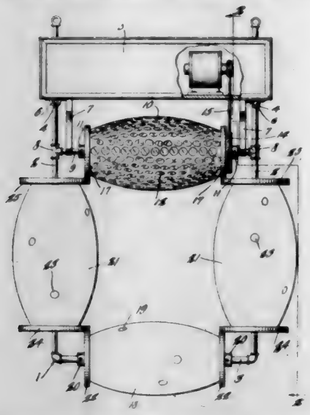
1,559,848. DISPLAY DEVICE. WILLARD C. BURGERT and RICHARD HEUER, Tampa, Fla. Filed May 10, 1923. Serial No. 638,054. 5 Claims. (Cl. 46—14.)



5. In a device of the class described, a frame, spaced display members journaled on the frame, a third display member disposed between the first-specified display members, all of said members having reflecting surfaces, the third display member being disposed substantially at right angles to the first-specified display members, interengaging elements on the third display member and on the other display members, means for driving one of the display members, means for mounting the frame in a fixed position, and artificial means for illuminating the display members from a fixed point external to the display members.

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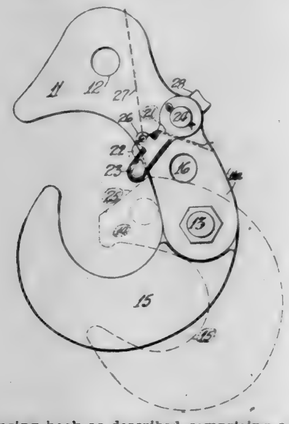
1,559,849. RELEASING HOOK. ALPHONSO G. CAMERON, New York, N. Y. Filed Feb. 11, 1925. Serial No. 8,324. 2 Claims. (Cl. 294—83.)



1. A releasing hook as described comprising a stem for attaching to a hoist and having a forked lower end, a hook member pivoted in said fork and having an extended end in said fork aligning with said fork in the operative position, a projection on said member extending beyond the plane of said fork and a U shaped latch pivoted to said stem and arranged to engage said extended end below said projection whereby said stem and hook are rigidly locked together.

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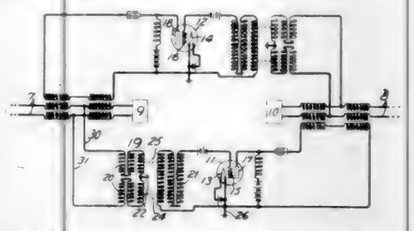
1,559,850. TRANSMISSION SYSTEM. WILLIAM L. CASPER, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 8, 1922. Serial No. 550,596. 6 Claims. (Cl. 175—356.)



1. A transformer having a multi-layer winding, a second multi-layer winding superimposed on the first mentioned winding, a direct low impedance connection to ground for the outer layer of said first mentioned winding, and a direct connection of low impedance to ground for the inner layer of said second winding.

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1,559,851. EYEGLASS CONSTRUCTION. STEPHEN J. CLULEE, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a Corporation of Maine. Filed Oct. 21, 1921. Serial No. 509,238. 6 Claims. (Cl. 88—47.)

1. In eyeglass construction, in combination, a rim member and bridge joined thereto and both formed of nonmetallic material, and a metallic rim member mounted upon said first rim member and having a part interlocked therewith adjacent said bridge.

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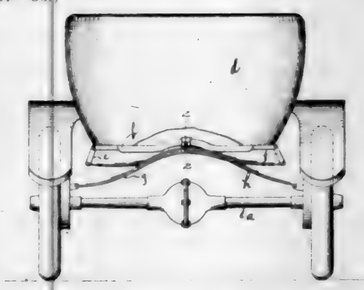
1,559,852. RESILIENT SUSPENSION OF VEHICLE BODIES. FRANK V. COOKE, Highland Park, Mich., assignor to Karl B. Goddard, Detroit, Mich. Filed Jan. 28, 1921. Serial No. 440,553. 6 Claims. (Cl. 267—36.)



1. In a resilient suspension for a vehicle, in combination, a load-supporting member, an axle below said member and normally approximately parallel thereto, springs



pivotally connected to the ends of the axle and connected to the respectively opposite sides of the load-supporting member by toggle connections permitting movement of the ends of the springs relatively to the load-supporting member and in a direction longitudinally of the springs, whereby the springs cross below the load-supporting member, and a bearing for the upper surfaces of the crossing of the springs permitting movement of the springs relative to the bearing longitudinally and laterally of the springs, and providing a fulcrum for said crossing to co-operate with the toggle connections at the upper ends of the springs to bring about the necessary vertical flexion of the springs to secure resilient support of the load-supporting member as the vehicle passes over uneven surfaces.

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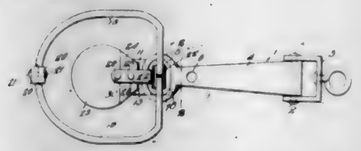
1,559,853. TRAP. FELIX H. CRAGO, Milltown, Mont. Filed May 11, 1923. Serial No. 638,309. 3 Claims. (Cl. 43—92.)



1. In a trap, a spring comprising upper and lower arms, a carrier mounted on the lower arm, arcuate jaws having their outer ends pivotally united, the inner ends of the jaws being pivotally connected to the carrier, the upper arm cooperating with the jaws to close them, a latch pivoted to the upper arm, and a trigger located within the jaws when the trap is set, the trigger being pivoted to the lower arm, the trigger being provided with means for engaging the latch to hold the trap set.

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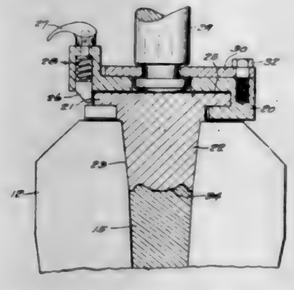
1,559,854. GLASS-MOLDING APPARATUS. ALBERT N. CRAMER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 16, 1920. Serial No. 431,070. 1 Claim. (Cl. 49—14.)



In a glass forming machine, the combination of a mold open at one end to receive its charge, a closure for the mold, a head carrying said closure, a detent by which said closure is locked to the head, and means to withdraw said detent, said closure being thereby released and free for instantaneous removal from the head.

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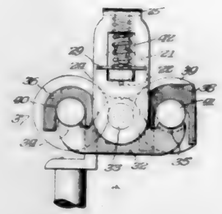
1,559,855. VIBRATING ROLLER. ARTHUR J. DAANE, Chicago, Ill., assignor to The Acme Printing Appliance Co., Chicago, Ill. Filed July 31, 1922. Serial No. 578,546. 21 Claims. (Cl. 101—338.)

1. In a support for an ink distributing roller for printing presses, said press having an inking roller hook and saddle, said ink distributing roller being permitted to be arranged between inking rollers carried by the respective inking roller hook and saddle and means whereby said distributing roller is held in associated relation to said inking rollers carried by said inking roller hook and saddle, said means including a means



which extends parallel to and between the inking roller hook and saddle, said distributing roller being permitted to be associated with and removed from the hook and saddle while the hook and saddle are in associated relation with the inking rollers.

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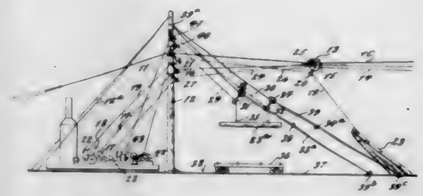
1,559,856. LOADING ENGINE. MERIAN H. DICKINSON, Seattle, Wash. Filed July 20, 1921. Serial No. 486,101. 3 Claims. (Cl. 212—7.)



1. In an engine, a winding drum, a motor for operating the same, a slip connection interposed between said motor and said drum, a manually operable member movable in different planes, means responsive to the movement of said member in one plane for controlling the energy supply to said motor, and means responsive to the movement of said member in a different plane for controlling said slip connection.

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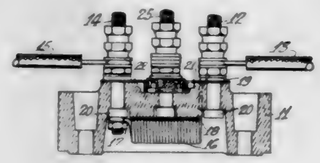
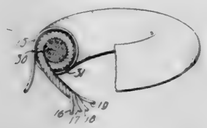
1,559,857. LIGHTNING ARRESTER. EDWARD A. EVERETT, Long Island City, N. Y. Filed Feb. 11, 1925. Serial No. 8,322. 6 Claims. (Cl. 175—30.)



1. A lightning arrester as described comprising an insulated base, a pair of wire terminals on said base, a grounded refractory member between said terminals, strips of insulation placed with their flat sides against said member and a pair of metallic strips having discharge points clamped by said terminals and bearing against said strips of insulation.

1,559,858. INDUCTANCE DEVICE. FRANK E. FIELD, Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 25, 1923. Serial No. 653,633. 5 Claims. (Cl. 175—356.)



1. A transformer comprising a core, a winding mounted on said core in the form of a spiral quad, a second winding inductively associated with said quad, and a shield between said quad and said second winding.

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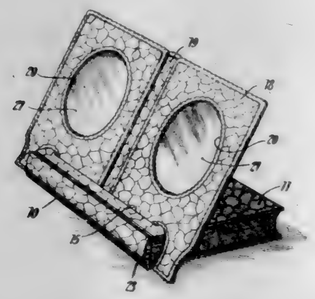
1,559,859. DISPLAY EASEL. ERNEST FISCHER, New York, N. Y. Filed Mar. 26, 1925. Serial No. 18,345. 1 Claim. (Cl. 40—146.)



An easel having a chambered base containing an elongated slot contiguous to one of its longer side edges, a lid hinged at the opposite edge, a flap hinged in said base to normally cover the mentioned slot, a support plate composed of two sections flexibly united and foldable to enter the chamber in said base, said plate having a notched lower edge, the portion between the notches being disposable in the mentioned slot to rest upon the bottom wall of said chamber when erected on the base to be firmly held thereon, and transparently covered openings in said plate receptive of articles to be displayed.

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1,559,860. FLATIRON AND PROCESS OF MAKING THE SAME. WILLIAM H. J. FITZGERALD, Braintree, Mass. Filed July 13, 1921. Serial No. 484,368. 5 Claims. (Cl. 76—106.)

1. The process of manufacturing flat-irons comprising a base member having a hollow hood member superimposed thereon, which consists in grinding the contacting surfaces of said members to provide a perfect fit therebetween, then rigidly securing said members together in assembled position, and grinding the exterior of said members while thus assembled to final form.

5. A flat-iron comprising a base and hollow hood member having tightly fitting flat ground contacting surfaces and presenting continuous exterior side and end surfaces ground and electroplated after said members have been assembled, whereby the continuity of each of said surfaces is insured.

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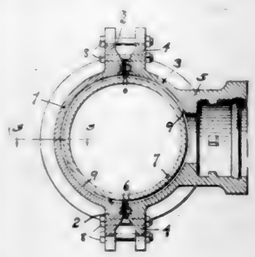
1,559,861. PIPE CONNECTION. JOHN W. FLOWER, Detroit, Mich., assignor, by mesne assignments, to Michigan Valve Foundry and Engineering Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 5, 1921. Serial No. 435,120. 1 Claim. (Cl. 285—105.)



An article of manufacture adapted to be attached to a main pipe and comprising a plurality of parts joining along radial planes extending longitudinally of the pipe, each of the parts being formed to retain a strip of malleable metal along its longitudinal edges, strips of malleable metal mounted in each of said edges before the connection is assembled, and bolts to secure said parts together, said parts being so formed as to expose the edges of said strips so they may be reached with caulking tools throughout their length.

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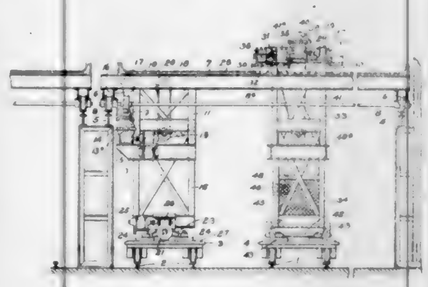
1,559,862. PROCESS AND APPARATUS FOR SURFACING SHEET GLASS. JOHN H. FOX, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Oct. 29, 1923. Serial No. 671,400. 5 Claims. (Cl. 214—87.)



1. In combination in apparatus for transferring glass sheets from one carrier or car to another carrier or car lying to the side thereof and turning it over, which comprises a vacuum frame mounted for vertical movement above the first carrier, a pivotal support for the frame whereby it may be inverted to bring the glass sheet carried thereby up, a second vacuum frame mounted for lateral movement from a position over the first carrier and vacuum frame to a position over the other carrier, and means whereby the second frame may be moved up and down.



1,559,863. METHOD OF MAKING SHOES. WILLIAM H. FRANK, Peoria, Ill. Filed Feb. 15, 1924. Serial No. 692,992. 1 Claim. (Cl. 12—142.)

The method of making shoes, consisting in simultaneously securing an upper and a thin flexible welt to the insole, placing a separate relatively heavy reinforcing welt upon the upper face of the flexible welt free from the insole and then uniting the welts and outsole by a row of stitches.

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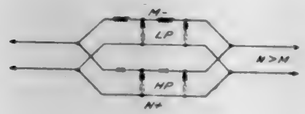
1,559,864. FILTERING CIRCUIT. THORNTON C. FRY, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1919. Serial No. 326,987. 11 Claims. (Cl. 178—44.)




1. Means for transmitting a band of frequencies comprising a low-pass suppression filter and a high-pass suppression filter in series, the frequencies of said band being common to the transmission ranges of both of said filters.

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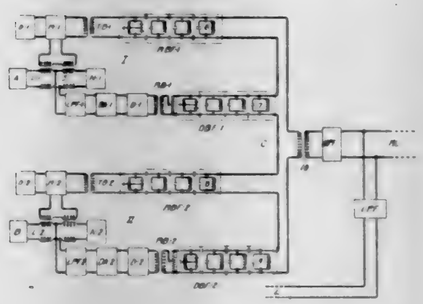
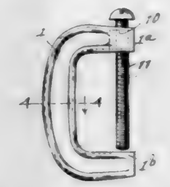
1,559,865. SELECTIVE SIGNALING CIRCUITS. MAURICE R. GOWING, Mountain Lakes, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 9, 1921. Serial No. 483,432. 6 Claims. (Cl. 179—15.)



1. In a carrier signaling system, a terminal station, a transmitting branch at said station, a receiving branch also at said station, a band filter in each of said branches, each of said filters having a shunt impedance element, a common transmission medium, and means to connect a shunt impedance element of a filter in said transmitting branch and a shunt impedance element of a filter in said receiving branch in series with each other and with the common transmission medium.

1,559,866. C CLAMP. WILLIAM F. GREATHEAD and MILTON J. TAMBLYN, Cleveland, Ohio, assignors, by direct and mesne assignments, of one-half to William F. Greathead and one-half to James C. De Garmo, both of Cleveland, Ohio. Filed Aug. 25, 1923. Serial No. 659,405. 7 Claims. (Cl. 144—304.)



1. A clamp having a C-shaped body portion which is formed of two C-shaped parts one fitting within the other, the outer part enclosing the inner and holding the same against movement with respect to the outer part, a threaded member associated with one end of the body portion, and a threaded rod extending through the threaded member.

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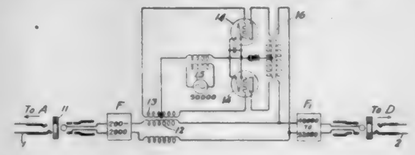
1,559,867. WAVE-TRANSMISSION SYSTEM. ELMER V. GRIGGS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 29, 1919. Serial No. 320,553. 21 Claims. (Cl. 179—15.)




1. The method of duplex carrier wave telephony which comprises producing speech currents at each end of a system, passing incoming and outgoing speech conveying waves through identical conductive paths but in opposite directions throughout the entire system, and changing the frequency of transmitted waves during transmission.

18. A cord circuit for connecting two transmission circuits, said cord circuit containing two filters for excluding different ranges of frequencies, and a thermionic device included in said circuit between said filters.

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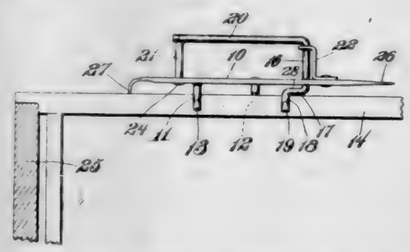
1,559,868. TOOL FOR APIARISTS. DEAN S. HALL, Marshfield, Vt.; Bertha E. Hall, executrix of said Dean S. Hall, deceased, assignor of one-half to Horatio William Scott, Barre, Vt. Filed Nov. 1, 1924. Serial No. 747,209. 11 Claims. (Cl. 6—12.)



1. Means for removing and manipulating the frames of beehives, the frame having a top bar, said means comprising a base, a pair of gripping elements carried by said

base at points spaced longitudinally of the base, said gripping elements being spaced transversely of the bar a distance less than the width of the top bar, and means carried by the base engaging the side of a top bar disposed between the gripping elements for shifting the base upon the top bar to a position where it parallels said top bar.

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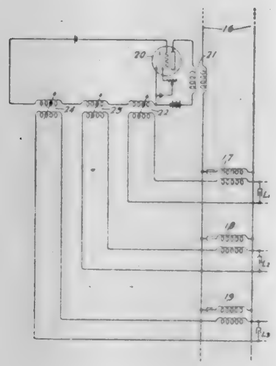
1,559,869. SELECTIVE-CURRENT PRODUCTION AND AMPLIFICATION. RALPH V. L. HARTLEY, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 23, 1919. Serial No. 325,730. 23 Claims. (Cl. 250—36.)



18. A harmonic generator and regenerator comprising a discharge device for producing harmonics, selective circuits for selecting said harmonics and means individual to said selective circuits for reapplying the harmonics to said discharge device.

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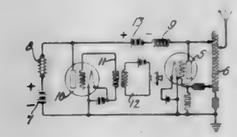
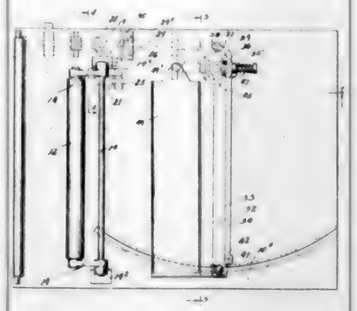
1,559,870. GENERATING AND MODULATING SYSTEM. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 27, 1920. Serial No. 361,864. 15 Claims. (Cl. 179—171.)



1. A modulating system comprising a plurality of discharge devices in parallel with respect to a common source of energy supply therefor, appropriate circuits whereby one of said devices generates oscillations, means for varying the impedance of the other device at a relatively low frequency rate, and an energy consuming device in circuit with the oscillating device for causing the potential difference thereacross to be less than across the variable impedance device.

1,559,871. FABRIC-CUTTING MACHINE. JOHN HEYMAN, New York, N. Y. Filed Mar. 29, 1924. Serial No. 702,760. 11 Claims. (Cl. 164—42.)



9. In a fabric cutting machine, a feeding mechanism comprising a continuously driven means and a periodically operating means adapted to cooperate with the latter to feed the fabric, adjustable cam operated means for varying the feeding periods, a circularly adjustable cutting mechanism having an oscillating jaw and means for synchronizing the operation of said jaw with the feed of the fabric.

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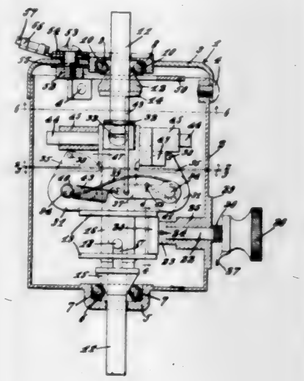
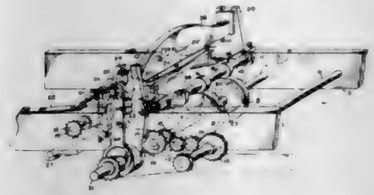
1,559,872. EXCESS-SPEED ALARM. FRED M. HILLS and JENNINGS G. AMBROSE, San Diego, Calif.; said Hills assignor to said Ambrose. Filed Mar. 14, 1922. Serial No. 543,738. 8 Claims. (Cl. 264—17.)



2. In a device of the class described, a support; a main shaft journaled in the support; cooperating elements comprising a track, and a carrier connected to the shaft to rotate therewith, one of said cooperating elements being adjustable longitudinally of the shaft, and being provided with flanges; a second shaft journaled in the support and under the control of an operator, the second shaft having an eccentric operating between the flanges; a centrifugal governor mechanism mounted on the carrier; and a signal actuator connected to the governor mechanism and cooperating with the track.



1,559,873. PAPER-CUTTING MECHANISM. ADIN W. HILSINGER, Orange, N. J., assignor to Henry Brady, Inc., a Corporation of New Jersey. Filed June 30, 1922. Serial No. 572,094. 2 Claims. (Cl. 164—49.)



1. In a discharge mechanism of the class described, discharge rolls normally separated by a spring and means for bringing them together upon a blank to be discharged at predetermined intervals.

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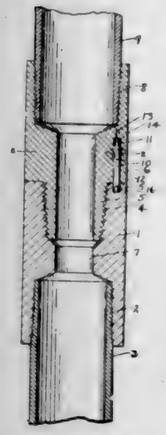
1,559,874. TOOL JOINT. SAMUEL E. HOLLAND, Corsicana, Tex. Filed Aug. 29, 1924. Serial No. 734,862. 3 Claims. (Cl. 285—146.)



3. In a tool joint including a pin member and a box member below said pin member, a bolt slidable in said pin member, and adapted to engage within a recess in said box member when the tool joint is screwed up, a rack formed on one side of said bolt, a gear member fitting within a radial recess in said pin member and engaging with the teeth on said rack, an outer slotted end to receive a screw driver whereby said gear may be rotated to move said bolt in either direction and a threaded block in said pin member forming a removable bearing for said gear member.

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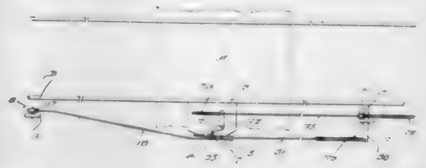
1,559,875. ELECTRODE FOR ARC WELDING. CLAUDE J. HOLSLAG, South Orange, N. J., assignor to Electric Arc Cutting & Welding Company, Newark, N. J. Filed Dec. 13, 1919. Serial No. 344,646. 20 Claims. (Cl. 219—8.)

1. An electrode for welding and repairing comprising a metal rod having a coating consisting of a silicate and carbon in the form of lamp black.

1,559,876. RAILWAY-CROSSING SIGNAL. GEORGE R. HUDSON, Superior, Nebr. Filed May 26, 1925. Serial No. 32,979. 6 Claims. (Cl. 246—293.)



3. An automatic railway signal for grade crossings comprising in combination, a pivoted signal member supported adjacent the grade crossing, said pivot being eccentrically associated with the signal member, a pair of trip members supported on opposite sides of the grade crossing, one of said trip members being connected to said signal member for moving the same to an operative position when the trip member is actuated by a train approaching the grade crossing, a latch for holding the signal member in an operative position, a connection between said latch and the other trip member, said latch adapted to be disengaged from the signal member when the last mentioned trip member is actuated by the train, and means for effecting the return of the signal member and the first mentioned trip member to their normal positions.

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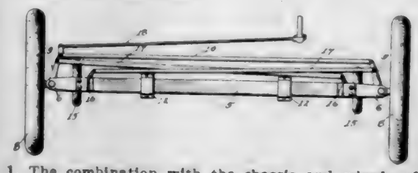
1,559,877. SAFETY WHEEL ATTACHMENT FOR VEHICLES. KENNETH L. HUGGINS, South Hartford, N. Y. Filed Apr. 1, 1925. Serial No. 20,014. 2 Claims. (Cl. 280—150.)



1. The combination with the chassis and wheels of a vehicle, of auxiliary axles depending from the axles of the vehicle wheels, auxiliary wheels mounted on said auxiliary axles in spaced parallel relation to the wheels of the vehicle, steering knuckles for said auxiliary wheels, and means connecting said steering knuckles to the steering knuckles of the vehicle wheels whereby the same will move in unison.

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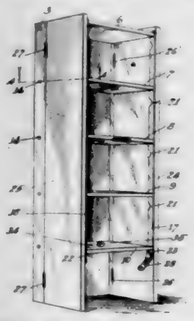
1,559,878. COLLAPSIBLE CAMP CUPBOARD. VICTOR B. HUMPHREYS, Los Angeles, Calif. Filed June 9, 1924. Serial No. 718,805. 3 Claims. (Cl. 211—27.)



1. A collapsible cupboard comprising a back, abutments extending from the edges of the back, a series of shelves pivotally mounted between the abutments.

bars pivotally connecting the forward parts of the shelves together independent of side boards, side boards hinged to the abutments and adapted to unfold so the shelves will swing upwardly between the side boards, and means for latching the shelves to the side boards to hold the shelves in unfolded positions and to hold the side boards from swinging outwardly.

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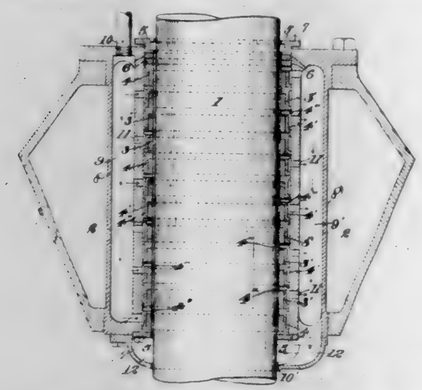
1,559,879. BEARING CONSTRUCTION. ELY C. HUTCHINSON, San Francisco, Calif., assignor to The Pelton Water Wheel Co., San Francisco, Calif., a Corporation of California. Filed Sept. 5, 1924. Serial No. 735,982. 6 Claims. (Cl. 308—121.)



1. A shaft bearing comprising a plurality of compressible bearing rings embracing the shaft; a series of slidable non-compressible rings separating and surrounding a portion of the width of said bearing rings; means applied to the end of the series of slidable rings for exerting pressure thereon to adjust the compressible bearing rings to the shaft and means for supplying a lubricant under pressure to the face of the bearing rings consisting of a supply chamber in one side of said bearing connected with a source of lubricant, a discharge chamber on the opposite side of said bearing for discharging the lubricant and suitable channels from said chambers communicating with the face of the bearing rings.

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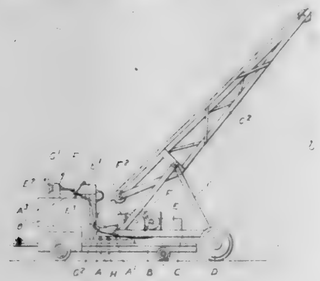
1,559,880. CRANE. PHILIP DENIS IONIDES, London, England, assignor of one-half to Ransomes & Rapier Limited, Ipswich, Suffolk, England, a Company of Great Britain. Filed Jan. 2, 1923. Serial No. 610,355. 2 Claims. (Cl. 212—38.)



1. A detachable crane unit adapted for use with a self-propelled vehicle, comprising in combination, a frame, two wheels supporting one end of said frame, a jib mounted on the frame, hoisting and luffing mechanism carried by the frame, a bed plate for the frame, a universal pivotal connection between the bed plate and the end of the frame remote from the wheels, and readily detachable means for connecting the bed plate to the vehicle.

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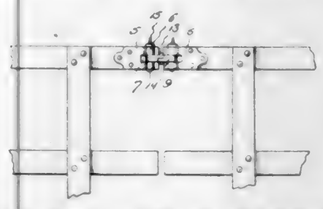
1,559,881. FASTENER FOR STAKE GATES. BEN B. JOHNSTON, Fort Smith, Ark., assignor to Fort Smith Body Company, Fort Smith, Ark. Filed Mar. 13, 1925. Serial No. 15,414. 2 Claims. (Cl. 296—1.)



1. A fastener of the class described including a pair of plates having their adjacent edges provided with sleeves, each sleeve being formed in a pair of alined sections separated by a slot, a pair of pivoted links having their ends apertured, and hinge pins adapted to pass through the sleeves and the apertures of the links.

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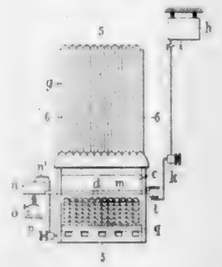
1,559,882. GAS HEATING STOVE. HANS KÄMPFER, Berlin, Germany. Filed Aug. 29, 1921. Serial No. 496,520. 2 Claims. (Cl. 126—92.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A gas heating stove comprising in combination, a main body open in front, a plurality of incandescent elements arranged within and occupying nearly the whole breadth of said main body, a refractory plate arranged behind said incandescent elements but at a distance from the closed back wall of said body, a combustion chamber therein above said incandescent elements, and a radiator arranged above and over the whole breadth of said main body for preventing the room air from ascending around the said refractory plate and the said incandescent elements to the outside of the said radiator, substantially as described.

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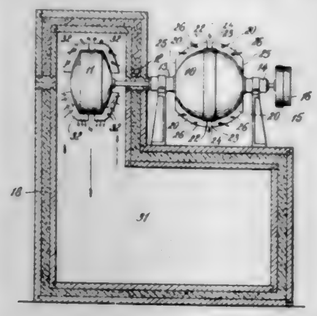
1,559,883. AIR-COOLED REFRIGERATING MACHINE. ALFRED D. KARR, Newark, N. J., and KARL D. PERKINS, New York, N. Y. Filed Mar. 7, 1923. Serial No. 623,333. 7 Claims. (Cl. 62—115.)

1. In a refrigerating apparatus, the combination with a compressor and an evaporator of a condenser comprising, a drum adapted to rotate with its entire surface in freely exposed relation to a body of cooling air, and vanes on said drum extending longitudinally of the axis of rotation of the drum and forming open channels between them, said vanes being so mounted that the distance of their peripheral edges from the axis of rotation increases from one end of the vanes to the other, the peripheral edges thereof from one end to the other being also unconfined and in freely exposed relation to the body of cooling air, whereby the rotation of said drum causes original currents of air to enter the channels at





the ends of the vanes which are near the axis of rotation, and additional air to be drawn in past the peripheral edges into the open channels to supplement said original currents, the entire volume of air thus caused to flow through said channels being thrown away from the drum at the ends of the vanes which are remote from the axis of rotation.

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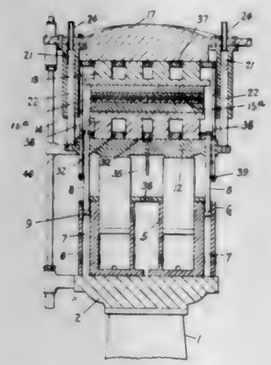
1,559,884. MOLDING PRESS. HENRY J. KASCH, Dayton, Ohio, assignor to The Kurz-Kasch Company, Dayton, Ohio, a Corporation of Ohio. Filed May 1, 1922. Serial No. 557,537. 4 Claims. (Cl. 18—17.)



1. In a device of the type described, the combination with a base, of a platen movably supported thereon, a lower mold part carried by said platen, an upper mold part supported above the lower one, elevating means for raising said platen to bring the lower mold part into engagement with the upper one, a knock-out pin plate adapted to be carried upwardly by said platen, and automatic means for pulling said knock-out pin plate downwardly when the platen starts its descent after the molding operation is completed.

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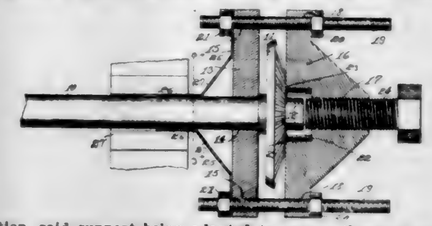
1,559,885. GEAR REMOVER AND REPLACER. WALTER E. KELLEY, Millbridge, Me. Filed Apr. 11, 1924. Serial No. 705,856. 3 Claims. (Cl. 29—85.)

1. A gear removing device including means for supporting a shaft, means for maintaining the shaft from movement relative to the supporting means, means for moving a gear longitudinally of the shaft in one direction, said support being adapted to engage the gear, and means on the third-named means for moving engagement with the shaft.



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1,559,886. CLOTHESPIN. OTTO J. KOPKE, Hutchinson, Kans. Filed Apr. 3, 1925. Serial No. 20,470. 1 Claim. (Cl. 24—139.)

A clothes pin of the class described, formed from a single strand of resilient wire bent over upon itself intermediate its ends to provide a pair of segments, the intermediate portion being in the form of a coil, one segment being bent over upon itself, so as to provide two abutting sides, the other segment being bent over upon itself to provide a U-shaped member including two sides, one side of the U-shaped member having its terminal coiled about the other side of the U-shaped member, and the terminal of the first segment being coiled about the second segment, and the intermediate portions of the sides of the segments being bent outwardly for receiving a clothes line, and the lower portions thereof being bent outwardly so that the clothes pin may be engaged evenly with a clothes line.

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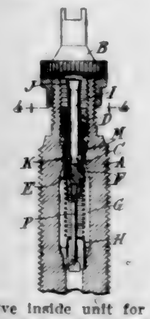
1,559,887. TIRE VALVE. HENRY P. KRAFT, Ridgewood, N. J.; Edgar J. Phillips and Earl A. Darr executors of the will of said Henry P. Kraft, deceased. Filed July 22, 1921, Serial No. 486,812. Renewed Jan. 5, 1924. 1 Claim. (Cl. 152—12.)



A top-repair valve inside unit for tire valves or the like, comprising a seat member, a screw-threaded plug, and a valve check, the seat member and plug having

passages therethrough in alinement, the valve check having a tubular valve pin passing through said passages, and the top of said tubular pin being flared outwardly to a diameter larger than that of the passage through the plug.

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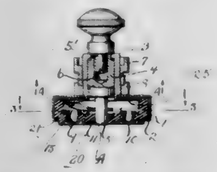
1,559,888. CANOPY SWITCH. EUGENE RAYMOND KULKA, Brooklyn, N. Y., assignor to C. D. Wood Electric Co. Inc., New York, N. Y., a Corporation of New York. Filed Jan. 24, 1925. Serial No. 4,365. 1 Claim. (Cl. 200—153.)



A switch comprising a metal casing having an end portion, an insulating base connected to said casing opposite said end portion, the inner face of said base having a plurality of tapered projections, spaced stationary contact blades mounted on some of said projections, a revoluble spindle mounted in the end portion of the casing, an insulating cover for said insulating base located at the inner side of said end portion, the said spindle projecting through said cover and having at its end adjacent said stationary contact blades, and a movable resilient contact blade mounted on the end of said spindle, said movable contact blade being turnable with said spindle, and being also slidable thereon, the ends of said movable contact blade being inclined away from said base and the said contact blade being adapted to contact with said insulating cover when said inclined ends thereof are forced away from said tapered projections so that the resilience of said contact blade then urges it towards said base.

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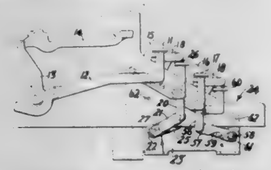
1,559,889. TYPEWRITING MACHINE. ADOLPH G. KUPETZ, New Rochelle, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 6, 1922. Serial No. 592,682. 10 Claims. (Cl. 235—102.)



9. In a typewriting machine, a number-key, a register comprising number-wheels for counting the operations of the number-key on the up-stroke thereof, normally maintained in a locked condition when the number-key is in normal position, connections between the number-key and the register for unlocking the register when the key is depressed, register-clearing mechanism for turning the number-wheels when the key is depressed, and means for positively arresting the operation of the register-clearing mechanism with the number-wheels standing at "9," so that they will be restored to "0" upon the release of the key and its restoration to normal position.

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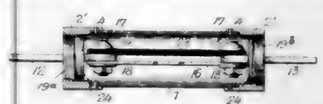
1,559,890. RENEWABLE ELECTRIC FUSE. FRANK C. LA MAR, Pittsburgh, Pa. Filed Apr. 30, 1921. Serial No. 465,819. 9 Claims. (Cl. 200—132.)

1. A renewable cartridge fuse, comprising a tubular casing of insulating material, metallic ferrules permanently fixed on the ends of said casing, and a fuse-strip carrier adapted to be slipped endwise into said casing and secured in said casing by screw-threaded engagement



between the ferrules and said fuse-strip carrier upon relative rotation between the casing and its attached ferrules and the fuse-strip carrier.

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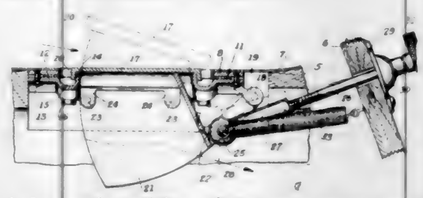
1,559,891. COWL VENTILATOR. PETER N. LANDINE, Milford, Conn. Filed Sept. 9, 1922. Serial No. 587,190. 10 Claims. (Cl. 268—17.)



1. In a cowl ventilator, a frame, cover means pivotally mounted on said frame, a bar extending transversely of said cover means, and operating means slidably mounted on said bar whereby the cover means may be operated from any position on said bar.

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1,559,892. PROCESS OF FUMIGATING. WALTER S. LANDIS, Whitestone Landing, N. Y., and GUY H. BUCHANAN, Westfield, N. Y., assignors to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed July 8, 1921. Serial No. 483,262. 12 Claims. (Cl. 167—6.)

6. The process of fumigating with highly poisonous fumigants which consists in introducing hydrocyanic acid gas into the space to be fumigated; and also introducing into said space a volatile aldehyde, adapted to react with said gas to destroy the same, and an accelerating agent, substantially as described.

12. The process of fumigating with highly poisonous fumigants which consists in introducing hydrocyanic acid gas into the space to be fumigated; and subsequently introducing into said space ammonia and aldehyde in the proportions of substantially more than one molecular weight of ammonia to one and one quarter molecular weights of aldehyde, substantially as described.

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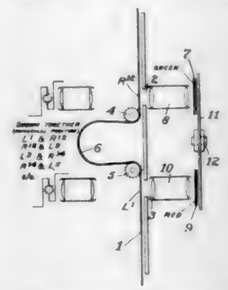
1,559,893. STEREOSCOPIC FILM AND METHOD OF PROJECTING SAME. GEORGE LANE and JOHN E. PATTERSON, Poughkeepsie, N. Y. Filed Aug. 3, 1923. Serial No. 655,500. 4 Claims. (Cl. 88—16.6.)



1. A method of producing a stereoscopic effect in moving pictures which includes the step of projecting through color screens each individual picture of a series of pairs



of successively photographed, horizontally differentiated stereoscopic pictures from a film strip simultaneously on the same screen area, first with its preceding photographically sequential neighbor and then with its succeeding photographically sequential neighbor, the individual pictures comprising a stereoscopic pair having other pictures therebetween, and viewing said pictures projected on the screen through color screens.

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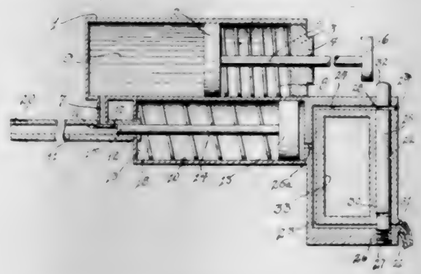
1,559,894. PORTABLE PNEUMATIC GREASE GUN. CHARLES BRIDGEN LANSING, Colorado Springs, Colo. Filed Dec. 26, 1924. Serial No. 758,211. 3 Claims. (Cl. 221—47.3.)



1. A pneumatic grease gun of the character described comprising a grease container, a passage member adapted for connection with a grease tube or the like communicating with said container at its remote end, an air cylinder, a piston in said air cylinder, a plunger carried by said piston and arranged for movement through said passage member, means for admitting compressed air to said cylinder for the actuation of said piston at will, and means associated with said plunger for stopping the flow of grease into said passage member when said piston is fully retracted and for permitting the movement of grease in said passageway when said piston is at a point near full retraction.

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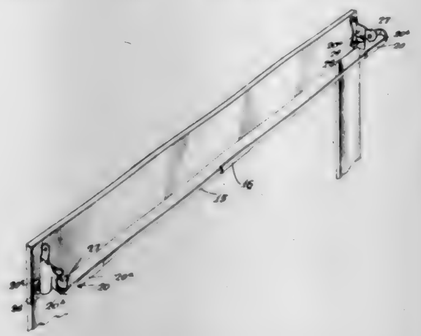
1,559,895. CURTAIN ATTACHMENT. MADS M. LARSEN, Colton, Calif. Filed Aug. 24, 1923. Serial No. 659,139. 5 Claims. (Cl. 156—24.)



1. A certain hanger comprising connecting rods extensibly connected to each other, terminal arms slidably receiving said connecting rods, each of said arms terminating in a unitary spring clip arranged at right angles to the connecting rods, said clip comprising a longer outer member and a shorter inner member parallel to each other and removably engaging shade brackets of standard construction, said shade brackets being adapted to support a shade roller without interfering with the curtain hanger.

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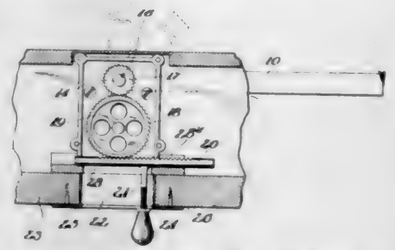
1,559,896. WINDOW ADJUSTER AND LOCK. MADS M. LARSEN, Colton, Calif. Filed Sept. 25, 1923. Serial No. 664,703. 8 Claims. (Cl. 268—14.)



1. A window adjuster and lock comprising means adapted to be mounted within a window casing and having a member forming a pivot for the sash to be adjusted and operative to swing the sash, a handle disposed for access at the window casing, and means connecting the handle and said member whereby the latter is adapted to be rotated to swing the sash, said handle forming a friction locking device for securing the sash in its several positions.

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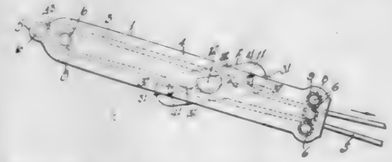
1,559,897. RAZOR-STROPPING DEVICE. FRED ARNOLD LEIGH, Chicago, Ill. Filed June 18, 1923. Serial No. 646,247. 1 Claim. (Cl. 51—63.)



A razor stropping device comprising a frame, a roller carried by said frame, a blade carrying frame rotatably carried by said first named frame, rods yieldingly carried by said second named frame, and being disposed adjacent to the cutting edges of the blade, a razor strop passed around said roller and over said rods, and means for holding said strop in engagement with said rods and with said roller, said strop being adapted to bear against the cutting edge of the blade.

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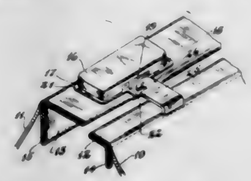
1,559,898. LATCH FASTENER FOR BAGS. WILLIAM A. LOTZ, Newark, N. J., assignor to The T. & L. Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed July 1, 1924. Serial No. 723,433. 4 Claims. (Cl. 292—175.)



1. A latch fastener for traveling bags comprising a movable cap, a base-plate on said bag on which said cap slides, a keeper adapted to enter said cap laterally, a stationary frame in said cap secured to said bag for

guiding said cap and limiting its movements, studs on said cap, passing through said frame, a locking member within said frame secured to said studs to participate in the movements of said cap for engaging said keeper or being disengaged therefrom, and a means within said frame for preventing lateral displacement of said locking member within said frame.

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1,559,899. PROPHYLACTIC AND METHOD OF MAKING THE SAME. OTTO LOWY, Newark, N. J., assignor, by mesne assignments, to Technical Products Corporation, a Corporation of New Jersey. Filed Dec. 20, 1920. Serial No. 432,082. 12 Claims. (Cl. 167—7.)

1. A prophylactic comprising the precipitate resulting from adding mercuric chloride to the dihydrochloride of diamino-dihydroxy-arseno-benzol in a carrier of a firm, gelatinous consistency at ordinary temperatures but substantially fluid at body temperature.

2. A prophylactic comprising a "mercuriated" derivative of arseno-benzol in a carrier of a firm, gelatinous consistency at ordinary temperatures but substantially fluid at body temperature.

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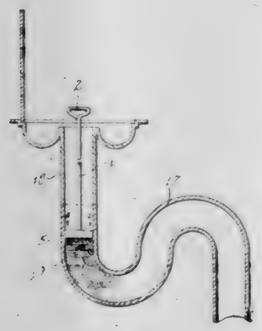
1,559,900. DEVICE FOR CLEANING FLOOR DRAINS. EDWARD VINCENT MCCARTHY, Chicago, Ill. Filed Mar. 14, 1925. Serial No. 15,698. 3 Claims. (Cl. 137—70.)



1. A device of the character described comprising a work engaging member having the form of a disc with a segmental portion thereof cutaway, teeth formed on said disc and extending into the cutaway portion of the disc, said disc having a marginal wall extending upwardly therefrom, a removable handle member for supporting said disc, said teeth being constructed so as to engage with and force substances upon the upper surface of said disc when said disc is rotated, and an upwardly extending boss on said disc at that portion opposite to the toothed portion, and an inclined surface merging with the top surface of said disc whereby substances on said disc may be moved up the inclined surface and out of engagement with the disc when the disc is rotated.

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1,559,901. METHOD OF REPAIRING CRACKED OR BROKEN STRUCTURES BY ELECTRIC WELDING. ROYAL MATTICE, Bethlehem, Pa. Filed Oct. 3, 1924. Serial No. 741,494. Renewed Sept. 26, 1925. 5 Claims. (Cl. 219—8.)

1. The method of repairing double-walled metallic structures having a crack in the lower wall thereof, which comprises, removing a portion of the upper wall above the crack, removing a portion of the lower wall adjacent the crack, filling the opening thus formed in

the lower wall, and finally welding the portion which has been removed from the upper wall into position in said upper wall.

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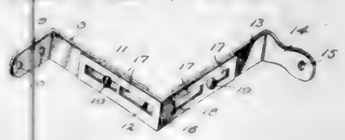
1,559,902. WINDOW-SHADE BRACKET. RICHARD B. MILLER, Wabash, Ind. Filed Dec. 27, 1922. Serial No. 609,236. 1 Claim. (Cl. 156—24.)



A shade bracket of the class described comprising a base portion, a reduced angular projection extending from one end of said base portion, an angular member including a pair of angularly disposed arms each having therein a pair of elongated slots in alinement with one another, said angular extension being slidable in one slot of one arm of said angular member, the movement thereof being restricted by the confines of the slot in which it is disposed, and means to hold said angular extension and base portion in an adjusted position in relation to the angular member, a shade roller engaging element having a reduced angular projection formed on one end of said element extending into the slot of the other arm of said angular member and means for holding said shade roller engaging element in an adjusted position in relation to said angular member.

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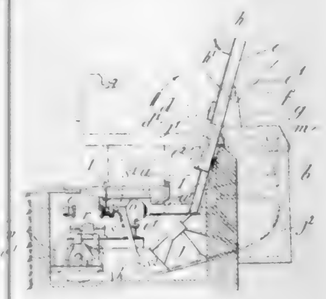
1,559,903. APPARATUS FOR TIPPING AND DISCHARGING RAILWAY WAGONS. FREDERICK GILBERT MITCHELL, Hyde Park, London, England. Filed Feb. 20, 1925. Serial No. 10,548. 8 Claims. (Cl. 214—52.)



1. Apparatus for tipping and discharging railway wagons comprising a wagon support, upwardly extending carrying means for said support, a lateral wagon support connected to the carrying means above the wagon support, stationary bearings, upwardly extending levers pivoted to said bearings and to the lower arms of which the combined carrying means and lateral support are pivoted, a longitudinal wagon sustaining beam connected to the upper arms of said levers and turning



means mounted independently of said wagon support and its carrying means and adapted to act upon and tilt these parts about their pivotal connections with the levers and the levers with their associated parts about the pivots of said levers.

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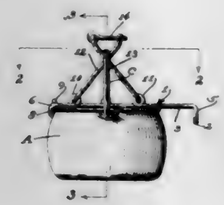
1,559,904. POT DRAINER. ALBERT E. MOORE, Hansboro, N. Dak. Filed Jan. 3, 1925. Serial No. 336. 1 Claim. (Cl. 53—8.)



In a device of the class described, the combination with a receptacle including the bail thereof and a removable cover for said receptacle; of means for facilitating the tilting of said receptacle comprising a frame formed from a single strand of wire looped and bent intermediate of its ends to provide a pair of parallel arms and a looped portion at one end forming a handle, the opposite ends of the arms being bent downwardly to form engaging ends, the arms being looped intermediate of their ends to form pairs of aligning eyes, a pair of inverted U-shaped handle members having their lower ends bent inwardly and engaged with the pairs of aforesaid eyes, said handle members being crossed beneath said bail and having their upper portions extended above and on opposite sides of the crown of said bail, and link members connecting the upper end portions of said U-shaped handles above said bail, as and for the purposes described.

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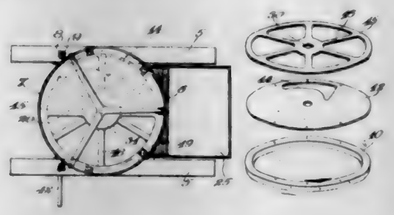
1,559,905. DISPENSING DEVICE. HAMILTON C. MOORMAN, Chicago, Ill. Filed Nov. 15, 1924. Serial No. 750,204. 1 Claim. (Cl. 221—108.)



A dispensing device comprising a cylinder adapted for containing material to be dispensed, an upper disk rigidly secured within the lower portion of the cylinder and having an opening, an intermediate flat disk rotatably mounted beneath said upper disk and having a plurality of openings adapted to successively register with the opening in the upper disk, a lower disk rigidly fixed beneath said intermediate disk and having a substantially crescent shaped discharge opening gradually increased in width in the direction of rotation of the intermediate disk, and with its widest portion disposed radially of the disk to prevent clogging, a drive shaft extending through all of said disks and having driving connection with the intermediate disk, a pair of supporting beams supporting said cylinder, and a ring mounted on said beams and supporting said lower disk.

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1,559,906. METHOD OF PREPARING POULTRY FOR PACKING OR DISPLAY. EUGENE J. NAGY, New Brunswick, N. J. Filed Mar. 14, 1925. Serial No. 15,634. 5 Claims. (Cl. 17—54.)

1. The method of preparing a fowl for packing or display which consists in removing the intestines through the anus of the fowl without any cutting operation other than the severance of the withdrawn intestines.

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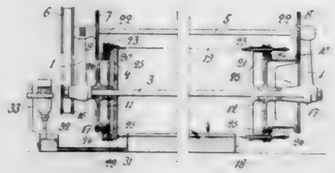
1,559,907. MACHINE FOR VARNISHING ARTIFICIAL PEARLS BY THE DIPPING PROCESS. JEAN PAISSEAU, Paris, France. Filed July 25, 1922. Serial No. 577,379. 5 Claims. (Cl. 91—46.)



1. A machine for varnishing artificial pearls comprising a varnish containing tank, a revoluble barrel upon a horizontal axis, wires stretched upon the said barrel parallel to the axis and adapted to support the pearls, and means for raising and lowering said barrel in order to immerse the pearls in the varnish.

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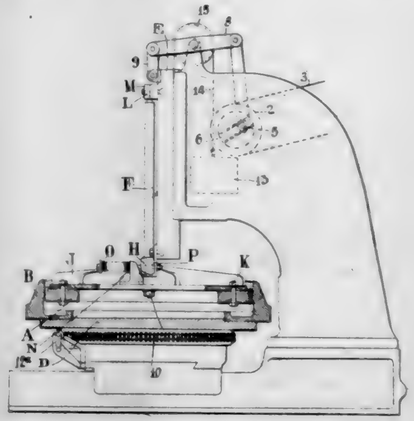
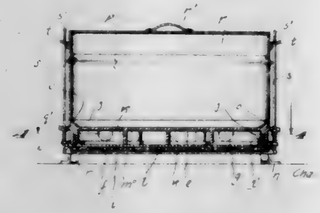
1,559,908. MANUFACTURE OF GEAR WHEELS. CHARLES ALGERNON PARSONS, STANLEY SMITH COOK, and JOHN FORD, Newcastle-on-Tyne, England; said Cook and Ford assignors to said Parsons. Filed Oct. 23, 1924. Serial No. 745,518. 2 Claims. (Cl. 51—278.)



1. A method of finishing gear wheels according to which an internal gear wheel is disposed completely to encircle an external gear wheel, the teeth of said gear wheels being equal in number and complementary in shape, and said gear wheels by relative axial reciprocating motion are then subjected to a series of mutual grinding actions with intermediate circumferential adjustments to engage successively different teeth of said gear wheels, as set forth.

1,559,909. STOVE ATTACHMENT FOR AUTOMOBILES. CHARLES AUGUSTA PAUL, Portland, Oreg., assignor of one-third to Johnston Wilson, Portland, Oreg. Filed July 18, 1923. Serial No. 652,322. 3 Claims. (Cl. 126—20.)



1. A stove to be heated by the exhaust gases of an engine, comprising an integral casting including a top plate having a depending edge wall, and baffles extending from the top plate for the full height of the edge wall and alternately projecting from and terminating short of opposing portions of such edge wall, a bottom plate having an edge channel to snugly receive the edge wall of the top plate, and means to secure the bottom plate to said edge wall, said bottom plate when in place directly contacting with the lower edges of the baffles to thereby define a tortuous passage in the space between the top and bottom plates, said passage having an inlet and outlet at the respective ends thereof.

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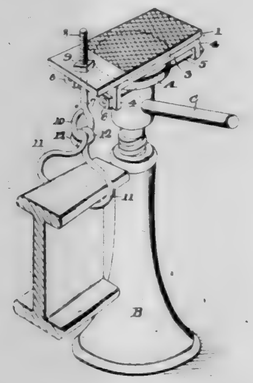
1,559,910. ATTACHMENT FOR JACKS. OSCAR PETERSON, Williston, N. Dak. Filed Jan. 9, 1925. Serial No. 1,390. 4 Claims. (Cl. 254—133.)



3. An attachment for jacks comprising a plate having a pair of downturned ears at each end, bolts passing through said ears and with said plate forming means for engaging the upper and lower sides of a jack head, a bolt supported freely in one end of said plate and terminating in an eye and a pair of lifting hooks freely suspended from said eye.

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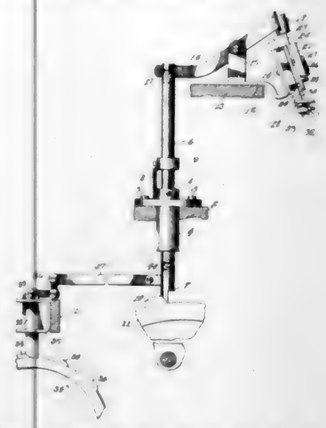
1,559,911. DOUBLE-SOLE CLIPPER. TATE B. POWELL, French Broad, Tenn. Filed June 4, 1923. Serial No. 643,380. 4 Claims. (Cl. 66—12.)

1. The combination with the cam drum and double sole thread of a knitting machine, of a guide mounted on the machine, a clamp and a cutter slidably supported on the guide in position to receive the thread, means for reciprocating the clamp and cutter including a tappet



rod, means carried by the tappet rod for actuation by the said cam drum, and means for moving the first means into and out of position to be actuated by said cam.

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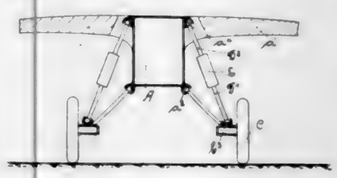
1,559,912. LANDING CHASSIS FOR AIRCRAFT. ADOLF ROHRBACH, Berlin-Charlottenburg, Germany. Filed Sept. 3, 1921. Serial No. 498,303. 8 Claims. (Cl. 244—2.)



1. A flying machine comprising a hull, two wheels, one on each side of the hull, mounted independently of one another, a substantially triangular support for each wheel carrying the wheel at one corner and hinged to the lower part of the hull in two axially aligned points and means for resiliently counteracting a rocking of said support about said points.

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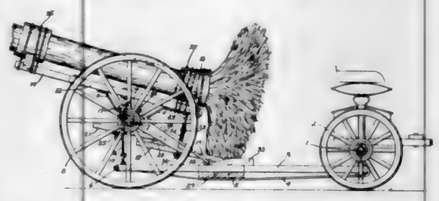
1,559,913. TREE WAGON. JOHN H. ROOF and GEORGE V. ROOF, Dayton, Ohio. Filed Nov. 6, 1924. Serial No. 748,090. 2 Claims. (Cl. 214—3.)



1. A tree wagon comprising a front axle and a rear axle, a beam secured to the rear axle for movement thereby to a vertical position against a tree, a bottom platform attachable to said axles, a second platform adapted to be placed behind said rear axle to engage the roots of a tree when said beam is in a vertical position against the latter, the second platform being formed with bolt holes, and bolts pivotally secured to said rear axle and beam for passage through the holes in the second platform to removably secure the latter to them for the purpose specified.



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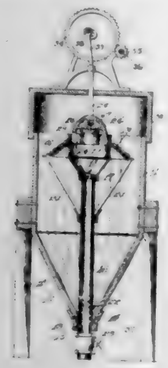
1,559,914. CYANIDE TANK. GEORGE E. C. ROUSSEAU, Sacramento, Calif. Filed Nov. 20, 1923. Serial No. 675,885. Renewed Jan. 12, 1925. 3 Claims. (Cl. 259—98.)



1. A cyaniding device comprising a closed tank having a tapered bottom, a vertical pipe disposed through the tapered bottom and extending to a point adjacent the upper end of the tank, the pipe being perforated immediately above the bottom, a pump cylinder mounted on the upper end of the pipe, a valve in the upper end of the pipe, and a short stroke piston reciprocable in the cylinder and having a central opening and an upper cage portion, the opening having a valve seat, a valve guided in the cage portion toward and away from the valve seat, and means for reciprocating the piston within the cylinder.

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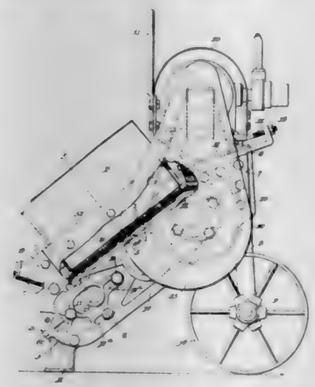
1,559,915. METHOD OF AND APPARATUS FOR SEPARATING AND BLENDING MOLDERS' SAND. GEORGE F. ROYER, Wilkes-Barre, Pa., assignor to Royer Foundry & Machine Co., Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed July 7, 1922. Serial No. 573,408. 23 Claims. (Cl. 259—144.)



1. The method of separating used molders' sand from undesired foreign matter and for purifying—the separated sand which consists in depositing the mixed material upon a high speed inclined separating device and causing said foreign matter to move downwardly upon said device while desirable particles of sand are by action of the separating device carried upward and centrifugally thrown through the air from the upper end of said device to purify them.

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1,559,916. SEPARATOR FOR GRANULAR MATERIAL. GEORGE F. ROYER, Wilkes-Barre, Pa., assignor to Royer Foundry & Machine Co., Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Feb. 14, 1924. Serial No. 692,789. 12 Claims. (Cl. 259—144.)

1. A separator comprising a driven endless belt provided with outwardly projecting sheet metal sprigs arranged in rows extending transversely of the belt, the sprigs being arranged in groups and all the members of each group formed integral with a base flange that overlies and is attached to the belt, and means for laterally confining a body of material to be treated in the path of travel of the free ends of the sprigs.

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1,559,917. SANITARY DETACHABLE SWEATBAND. WILLIAM HENRY SCHNEBEL, Forest Hill Garden, N. Y. Filed Oct. 21, 1921. Serial No. 509,397. 3 Claims. (Cl. 2—181.)

1. The combination with a hat, of a series of guides disposed within the crown of a hat comprising loop portions provided with U-shaped ends for spacing the loop portions away from the crown of the hat, said guides having means for attaching the same to the crown and a sweat band loosely mounted within said guides.

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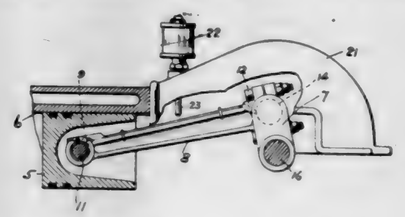
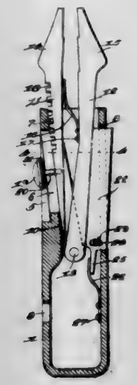
1,559,918. SELF-LUBRICATING CONNECTING ROD. HENRY N. SCHRAMM, West Chester, Pa. Filed July 10, 1923. Serial No. 650,579. 6 Claims. (Cl. 74—17.)



5. The combination of a connecting rod, bearings at the opposite ends thereof, a shallow groove longitudinally of the rod, oil holes at the opposite ends of the groove penetrating the bearings, a wick embedded in the groove, and means holding the wick down the groove.

1,559,919. COMBINED EXTENSIBLE WRENCH AND PLIERS. LEROY O. STEINKE, Spokane, Wash. Filed Apr. 7, 1925. Serial No. 21,433. 4 Claims. (Cl. 81—112.)



1. In a combined extension wrench and pliers, a casing, a pair of pivotally connected jar arms extensible in said casing whereby different adjustments of said arms can be obtained by extending or retracting said arms with respect to said casing, means normally acting to spread said jaws against said casing, and means mounted on said casing for forcing one of said arms into different degrees of closed relation with respect to the remaining arm irrespective of the extensible adjustment of said arms with respect to said casing.

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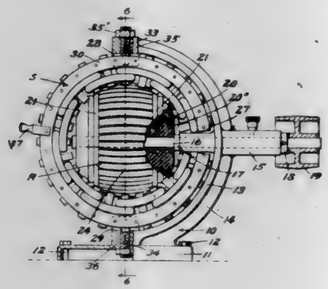
1,559,920. VARIABLE-SPEED INDUCTION MOTOR. RALPH E. STEWART, Los Angeles, Calif., assignor to Nancy J. Stewart, Los Angeles, Calif. Filed Oct. 14, 1920. Serial No. 416,812. 10 Claims. (Cl. 172—120.)



1. An induction motor comprising a rotor, a stator having a rotating field of constant flux density, and means for varying the position of the stator to vary the angle at which the flux traverses the rotor whereby the rotational speed of the rotor is varied.

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1,559,921. TESTING DEVICE. LEONHARD TREUHEIT, Elberfeld, Germany. Filed June 23, 1924. Serial No. 721,782. 6 Claims. (Cl. 73—51.)

1. Testing device for ascertaining the compression strength of granular substances comprising a tubular handle, a slide adapted to reciprocate in said tubular handle and provided at one end with a contact surface for engaging a test piece and means on the other end

of said handle for indicating the travel of said slide and an operative connection between said slide and said indicating means.

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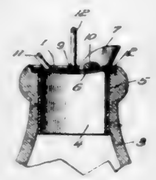
1,559,922. COMBINED MILK-BOTTLE STOPPER AND POURING SPOUT. RICHARD A. WALSH, Dayton, Ohio. Filed Sept. 25, 1924. Serial No. 739,845. 1 Claim. (Cl. 215—63.)



A combined bottle stopper and pouring spout comprising a disk of a diameter to permit it to rest upon the usual stopper ledge of a common milk bottle neck, said disk being provided with a discharge opening and with an upstanding flange partially surrounding said opening and functioning as a discharge spout, a weighted gravity closed closure pivotally mounted upon the top of said disc and serving to close said discharge opening, a handle carried by said disc, a tubular member depending from the under side of said disc and adapted to telescope into the bottle neck, said tubular member being spaced inwardly from the peripheral edge of said disc, and a sleeve of packing material surrounding said tubular member.

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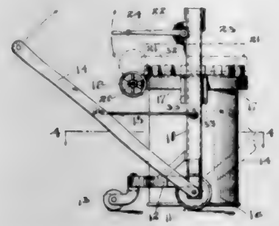
1,559,923. TRUCK. CHARLES W. WEST, Tigard, Oreg. Filed May 5, 1923. Serial No. 636,951. 1 Claim. (Cl. 254—8.)

In a truck for handling drums: drum grasping mechanism; and cam to operate said mechanism, each of said cams consisting of a pair of hubs, a rim, and sides



spaced apart one from the other and connecting said rim with said hubs, and an anchor pin mounted in said



sides and spanning said space; and flexible members secured to said pin and to said grasping mechanism; and means to operate said cams.

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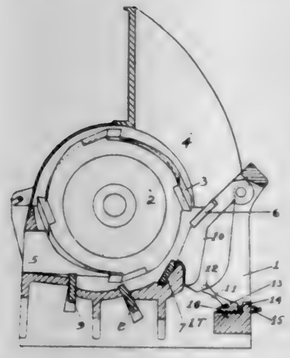
1,559,924. SAFETY DEVICE FOR DISINTEGRATING MACHINES. GEORGE B. WILLCOX, Saginaw, Mich., assignor to Mitts & Merrill, Saginaw, Mich., a Corporation of Michigan. Filed Apr. 2, 1924. Serial No. 703,621. 1 Claim. (Cl. 83—11.)



In a machine of the class described having an inlet throat, the bottom of said throat slightly inclined and having an end section hinged, a cutter bar fixed to the end of said hinged section and forming a continuation of said flat throat bottom for the passage of material thereon, a downwardly extending angularly disposed wall on the inner end of said hinged section and integral therewith, a socket on the back of said wall at its lower end, a stationary support, a second socket adjustably mounted on said support, a breakable strut interposed between said sockets, said strut having its cross section proportioned to withstand certain predetermined endwise stresses and to fail under greater stresses, and means for adjusting said second socket to prevent end play of said strut, for the purposes set forth.

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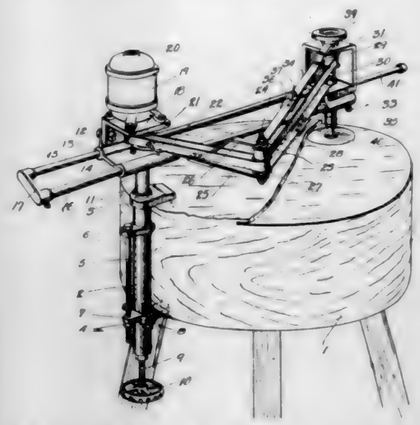
1,559,925. COMPOSITION OF MATTER AND METHOD OF PREPARING THE SAME. HERBERT A. WINKELMANN, Akron, and HARLAN L. TRUMBULL, Hudson, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Sept. 20, 1923. Serial No. 663,924. 24 Claims. (Cl. 18—53.)

1. The method of producing a composition of matter which comprises mixing rubber or similar material with a vulcanizing agent and the condensation product of an aldehyde with a substituted thiourea and vulcanizing the mix.

1,559,926. RESURFACING MACHINE. CHARLES T. ADAIR, Kansas City, Mo., assignor of one-half to L. S. WALTER, Kansas City, Mo. Filed Jan. 28, 1924. Serial No. 688,914. 1 Claim. (Cl. 144—2.)



In a device of the class described, in combination with a vertically adjustable swivel and means for supporting the swivel on the work, a head pivotally mounted on the swivel, a horizontal frame slidably mounted on said head, a second head fixed on said frame, a vertical shaft revolubly mounted in said second head, a cutting tool on the lower end of said shaft, a motor on the swivel head, having a depending shaft, a bar pivotally mounted on the motor shaft, adjustable bars pivotally mounted on the tool shaft, a shaft pivotally connecting ends of the motor shaft bar and the tool shaft bars to form a hinge joint therebetween, separate pulleys on the hinge shaft, a pulley on the motor shaft, a pulley on the tool shaft, a belt connecting the pulley on the motor with one of the pulleys on the hinge shaft and a belt connecting the pulley on the tool shaft with the other pulley on the hinge shaft.

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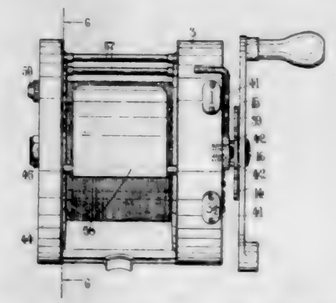
1,559,927. FISHING REEL. CHARLES ALMA BAKER, Batu Gajah Kinta, Perak, Federated Malay States. Filed Nov. 28, 1924. Serial No. 752,572. 7 Claims. (Cl. 242—84.7.)

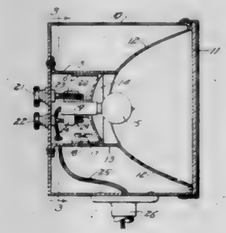


1. A fish line reel comprising a reel, a reel shaft, a plurality of gear members on said shaft, a driving spindle, means for rotating the spindle, a plurality of gear members on said spindle adapted to co-operate with the gear members on the shaft and means for moving the gear members on the shaft into engagement with the gear members on the spindle whereby said shaft can be driven at a plurality of speeds.

1,559,928. FORM OF PLATES AND ROLLERS TO ORNAMENT MATERIALS. JAY OTIS BALL, Bogota, N. J. Original application filed Aug. 14, 1924, Serial No. 731,940. Divided and this application filed Apr. 27, 1925. Serial No. 25,978. 3 Claims. (Cl. 101—395.)

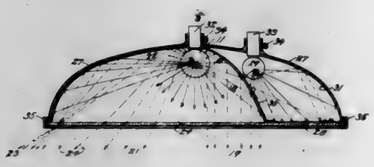
1. The method of making a printing device for ornamenting material comprising the transferring of a design to be printed to the printing surface, the routing out of an inner area of the design leaving a peripheral holding edge of the printing surface around said routed-out area, and inserting an absorbent material in the routed-out portion.

1,559,929. DOUBLE-FOCUSING REFLECTOR. LOUIS A. BEAN, Denver, Colo. Filed May 5, 1924. Serial No. 711,188. 3 Claims. (Cl. 240—44.)



1. A light projecting mechanism comprising a housing; a reflector opening to one side of said housing and having a tubular extension on its rear opening to said reflector; a second reflector slidably mounted in said extension; a lamp holding socket slidably mounted in said second reflector; an adjusting screw carried in said housing; a threaded lug on said second reflector engaged by said adjusting screw; a second adjusting screw carried in said housing and a threaded lug on said socket engaged by said second adjusting screw.

1,559,930. AUTOMOBILE HEADLIGHT. LOUIS A. BEAN, Denver, Colo. Filed May 19, 1924. Serial No. 714,353. 3 Claims. (Cl. 240—41.)

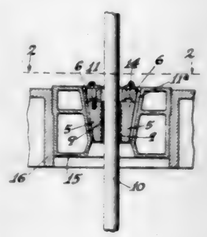


1. In a light projecting apparatus, the combination in a reflector having a horizontally placed oblong opening, the vertex of said reflector being to one side of the vertical and on the horizontal center line thereof, upper, lower, and side portions all radiating from the vertex of said reflector, one of the side portions presenting substantially a parabola in horizontal cross section the other side portion presenting substantially a portion of an ellipse in horizontal cross section, the upper and lower portions each comprising substantially triangular surfaces presenting an arc of a parabola in an axial section and a straight line in a horizontal section said upper, lower, and parabolic sections arranged to reflect rays axially, said elliptical section arranged to reflect rays horizontally to one side of said axially reflected rays.

1,559,931. FLUID-PRESSURE GENERATOR. HARVEY W. BELL, Yonkers, N. Y., assignor to The Beloyt Corporation, Dover, Del., a Corporation of Delaware. Filed Oct. 31, 1919. Serial No. 334,771. 9 Claims. (Cl. 123—25.)

1. A four cycle internal combustion engine comprising a cylinder provided with ports, a shaft, a reciprocatory sleeve in the cylinder closed at one end connected to be actuated by the shaft and provided with ports, a reciprocatory piston within the sleeve and connected with the shaft, said sleeve and piston being arranged to open and close the ports and arranged to leave a combustion space between the top of the piston and the closed end of the sleeve at the end of the compression stroke of the piston, to bring the top of the piston into close proximity with the closed end of the sleeve at the end of the exhaust stroke of the piston to effect complete scavenging, and means for injecting water into the sleeve during the working stroke of the engine and after ignition of the charge therein.

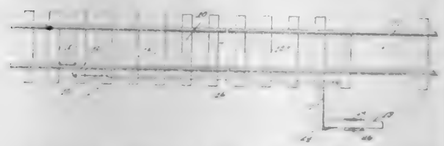
1,559,932. ROTARY SLIP FOR DRILLING OIL WELLS. CHARLES J. BOGEN, Huntington Beach, Calif. Filed May 14, 1924. Serial No. 713,213. 7 Claims. (Cl. 24—263.)



1. A slip for wells composed of upper and lower sections, horizontal teeth formed upon the inside surface of the lower section, and vertical teeth formed upon the inside and outside surfaces of the upper section.



1,559,933. AUTOMATIC RAILWAY SIGNAL. GABRIEL F. BORN and RUSSELL D. BORN, New Philadelphia, Ohio. Filed Feb. 14, 1925. Serial No. 9,250. 3 Claims. (Cl. 246—294.)

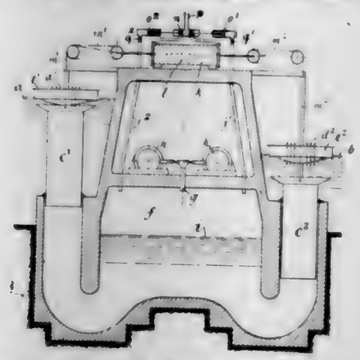


1. A railway signaling device including a bell having a striker, a normally lighted lamp, means on the striker normally concealing the lamp, means carried by the concealing means for exposing the lamp, and means operable by a train for actuating the striker into contact with the bell whereby said concealing means will be moved to expose the lamp.

1,559,934. METHOD FOR REDUCING THE PERCENTAGE OF WATER OF PEATERIES. ABRAHAM TEN BOSCH, The Hague, Netherlands. Filed Apr. 28, 1924. Serial No. 709,530. 7 Claims. (Cl. 262—3.)

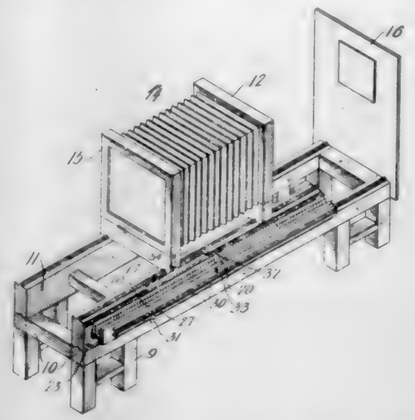
1. A method of reducing the water-content of peat in peat banks, which consists in injecting internally of the bank at a point above at least one of the usual substantially impenetrable crusts a medium which will dissolve such crust and attack the colloidal condition of the peat.

1,559,935. MEANS FOR UTILIZING TIDAL ENERGY. JENS ORTEN BOVING, London, England. Filed Feb. 25, 1925. Serial No. 11,398. 5 Claims. (Cl. 230—15.)



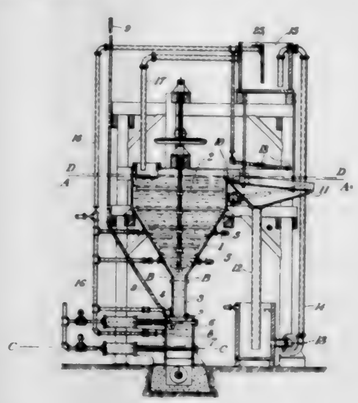
1. In a tidal energy utilization plant, a downcast shaft, a rising and falling inlet to said downcast shaft, means entraining air by water flowing down said inlet, an air-trapping chamber leading from said downcast shaft, an upcast shaft leading from said air-trapping chamber, and means responsive to changes in the air pressure in said air-trapping chamber maintaining approximately constant the difference between the water level in said air-trapping chamber and the water level above said upcast shaft.

1,559,936. PHOTOGRAPHIC APPARATUS. WILLIAM C. BUTEHORN, New Brighton, N. Y. Filed July 21, 1921, Serial No. 486,643. Renewed Apr. 2, 1925. 6 Claims. (Cl. 88—24.)



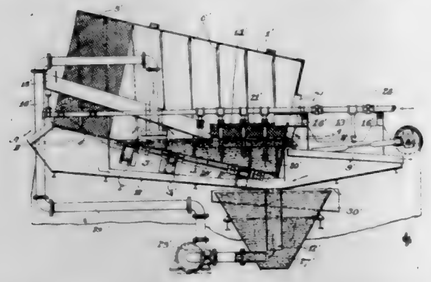
2. In combination, a camera-carrier, and a camera having a stationary lens portion and a movable plate-carrying portion, a series of graduated stops supported on the carrier, and an indicator on plate-carrier adapted to point out different ones of said stops as the plate-carrier is moved.

1,559,937. METHOD AND APPARATUS FOR SEPARATING MATERIALS OF DIFFERENT SPECIFIC GRAVITIES. THOMAS M. CHANCE, Philadelphia, Pa. Filed Jan. 24, 1921. Serial No. 439,498. 6 Claims. (Cl. 83—85.)



1. A method for separating materials of different specific gravities which consists in immersing said materials in a fluid mass consisting of an agitated mixture of liquid and comminuted solids heavier than said liquid and substantially insoluble therein, the specific gravity of said fluid mass being greater than that of the lighter and less than that of the heavier of said materials, in causing the heavier of said materials to sink through said fluid mass into and through an upwardly rising body of liquid subjacent to said fluid mass and in unobstructed communication therewith.

**1,559,938.** APPARATUS FOR SEPARATING MATERIALS OF DIFFERENT SPECIFIC GRAVITIES. THOMAS M. CHANCE, Philadelphia, Pa. Filed July 7, 1922. Serial No. 573,471. 2 Claims. (Cl. 83—85.)



1. An apparatus for the separation of materials of different specific gravity comprising in combination a rotatable receptacle adapted to contain a fluid mass consisting of an agitated mixture of liquid and comminuted solids insoluble in said liquid; a fluid mass of said type in said receptacle; means for maintaining, by rotation of said receptacle and by the introduction of liquid under pressure, the fluidic properties of said fluid mass said means comprising conduits extending into said receptacle and into said fluid mass, said conduits being connected to a source of supply of liquid under pressure, a partition extending into said fluid mass adapted to confine the movement of materials floating in the upper part of said fluid mass to a direction toward the region of discharge for said floating materials; means for introducing into said fluid mass the materials to be separated and means for removing said materials, after separation has been effected, from said fluid mass.

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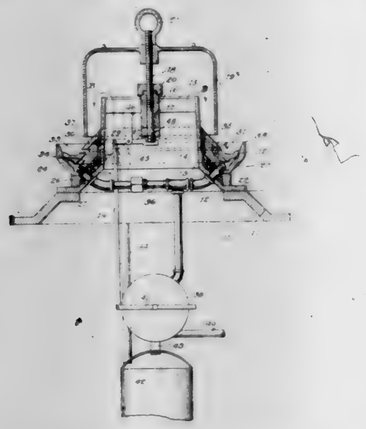
**1,559,939.** OIL BURNER. GEORGE B. DAHL, Woodhaven, N. Y. Filed July 9, 1924. Serial No. 725,084. 8 Claims. (Cl. 158—53.)



7. An oil burner comprising an open-ended air supply member, an oil receiving trough associated therewith, a vaporizing ring associated with said oil trough and spaced above the bottom wall thereof and terminating short of the inner side wall of said oil trough, an air deflector associated with said oil trough and forming with said vaporizing ring a restricted opening for the passage of the gaseous fuel therefrom, an air dome associated with said air supply member and adapted to direct the incoming air down and across the said restricted opening, means for raising and lowering said air dome to regulate the quantity of air passing through said burner, and means connected to said air dome adapted to regulate the quantity of fuel supply to said burner proportional to the quantity of air passing through the said burner.

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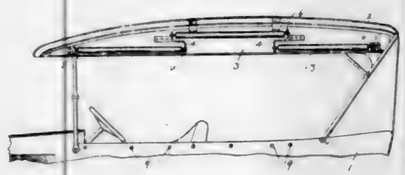
**1,559,940.** AUTOMOBILE CURTAIN. HOWARD L. DE BAUGH, RALPH R. MEEKS, and JACOB ELMER STRAYER, Baltimore, Md., assignors to The Superior Manufacturing Company, a Corporation of Maryland. Filed Sept. 5, 1924. Serial No. 735,991. 1 Claim. (Cl. 296—143.)



The combination with an automobile, of a wooden strip extending along the top of the automobile on each side thereof, a number of spring rollers mounted on said strip, a rod extending along the top of the automobile on the inside thereof adjacent the lower edge of the said wooden strip, curtains mounted on said rollers and operative between said rod and said wooden strip, stops on the bottom of said curtains, and a piece of material having one edge secured to said rod and its other edge removably secured to top of the automobile.

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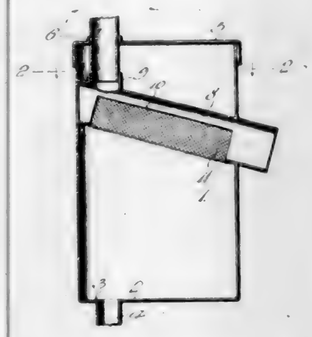
**1,559,941.** FILTER FOR CISTERNS. CLARENCE B. DEMAREE, Eminence, Ky. Filed Sept. 5, 1924. Serial No. 736,115. 1 Claim. (Cl. 137—9.)



A filter comprising a cylindrical casing closed at its lower end and having in said end a discharge opening, a cover on the upper end of said casing, said cover having therein an inlet, a tubular pipe section disposed at an incline in said casing and having one end integrally connected with the wall of one side of said casing and the other end extending through the opposite side of the casing, said pipe section having in its lower side an elongated water passage and in its upper side a water inlet disposed in operative relation to the inlet in the cover for receiving a supply pipe extending into the casing through said inlet in the cover, a screen covering said water passage in said pipe section and an auxiliary tubular pipe section adapted to be inserted into and entirely removed from said first mentioned pipe section, said auxiliary pipe section being closed at its inner end and having in one side adjacent said closed end a water inlet adapted to register with the water inlet of the first mentioned pipe section.



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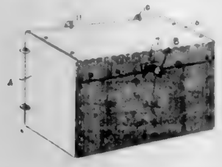
**1,559,942.** FOLDING TRAVELING BAG. MARY E. DEMPSEY, San Luis Obispo, Calif. Filed Oct. 9, 1922. Serial No. 593,402. 2 Claims. (Cl. 190—49.)



1. In a foldable traveling bag, a member comprising a pair of legs hinged together, each of said legs provided with a plurality of rings as and for the purpose set forth.

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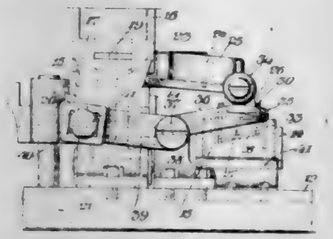
**1,559,943.** MACHINE FOR PACKING MATCHES. JOSEPH C. DONNELLY, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 27, 1923. Serial No. 682,894. 8 Claims. (Cl. 226—11.)



1. In a machine for packing matches, the combination of a longitudinally reciprocable supply trough having a discharge opening therein, a conveyer for feeding a succession of match receptacles in a path under and past said opening, a vertically movable arm pivotally connected with said trough, a match settling and straightening device carried by said arm so as to overhang the path of each receptacle when it has passed beyond the opening, said device comprising a head having a serrated inclined lower surface and upwardly beveled ends, and means for permitting said head to gravitate into and for raising it from the interior of the receptacle.

4. In a machine for packing matches in a succession of receptacles, match settling and straightening mechanism overhanging the path of said receptacles and comprising a vertically movable arm, means for pivotally supporting and longitudinally vibrating said arm, a head fast on said arm and having a serrated inclined lower surface and upwardly beveled ends, and means for permitting said head to gravitate into, and for raising it from the interior of an underlying receptacle.

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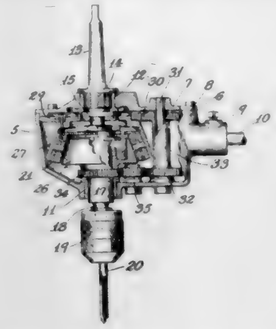
**1,559,944.** CLUTCH CONSTRUCTION FOR TAPPING ATTACHMENTS AND THE LIKE. GEORGE W. EMRICK, Brooklyn, N. Y. Filed June 29, 1923. Serial No. 648,465. 2 Claims. (Cl. 192—51.)

1. In a device of the class described provided with two rotatable conical members mounted one within the other, a conical clutch member mounted between said rotatable members and provided with clutch facing,



adapted to operate in connection with either of said members, and means for providing a full floating mounting for said clutch member.

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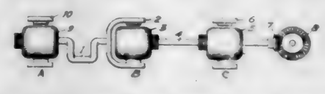
**1,559,945.** POWER-TRANSMISSION MECHANISM. JUSTUS B. ENTZ, New Rochelle, N. Y. Filed Apr. 21, 1923. Serial No. 633,613. 15 Claims. (Cl. 290—15.)



13. Means for transmitting power from a prime mover to a load comprising a prime mover, three dynamo electric machines and a controller having contacts and connections adapted to connect two of said machines in series to deliver power to the load at speeds greater than prime mover speed and to connect another two of the machines to drive the load in the reverse direction of rotation from that of the prime mover, one of the dynamo electric machines being at that time ineffective to deliver power, but adapted to drive the prime mover in a forward direction if the load moves in a forward direction.

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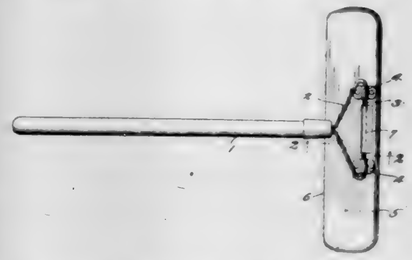
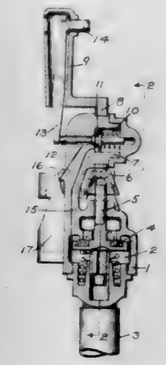
**1,559,946.** SCRAPER. OSCAR FANBERG, Hensley, W. Va. Filed May 5, 1925. Serial No. 28,183. 1 Claim. (Cl. 37—179.)



In a tool of the class described a handle, diverging arms at one end thereof, a rod connecting the arms, an elongated concavo-convex blade hingedly connected to the rod and movable under the arms to present its convex surface to a supporting surface on which the blade may be mounted, and a stop upon the rod for engagement by the blade to hold the blade in scraping position when moved in one direction.

1,559,947. CONDUCTOR'S VALVE DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 15, 1923. Serial No. 668,576. 3 Claims. (Cl. 303—51.)



1. A back-up hose attachment comprising a valve for venting fluid to effect an application of the brakes, a valve for operating a signal, a handle for operating one valve, and a lever associated with the handle for operating the other valve.

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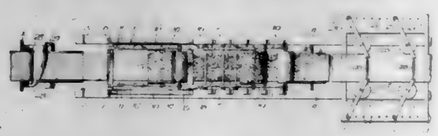
1,559,948. MEANS FOR AND METHOD OF MAKING ORNAMENTAL BRICK. PORTER C. FARRIS, Brazil, Ind., assignor to Hydraulic-Press Brick Company, St. Louis, Mo., a Corporation of Missouri. Filed July 27, 1923. Serial No. 654,120. 5 Claims. (Cl. 25—1.)



1. In a brick machine device, the combination of a die adapted continuously to form a clay slab with a smooth surface, means for removing the clay forming the smooth surface, and means for depressing portions of the newly formed surface of the slab.

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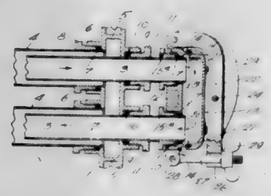
1,559,949. RETURN BEND HEADER FOR PIPES. HARVEY FELDMEIER, Little Falls, N. Y., assignor to D. H. Burrell & Co., Inc., Little Falls, N. Y. Filed Jan. 3, 1922. Serial No. 526,830. 4 Claims. (Cl. 285—20.)



1. A return header for connecting the ends of adjacent tubes, comprising a base having openings therethrough in which the ends of the tubes are adapted to be secured, a cover for said base and cooperating therewith when the cover is in closed position on the base to form a return bend passage establishing communication between the ends of said tubes, said cover being mounted on the base to move inwardly and outwardly toward and from the same substantially perpendicular to the plane of the cover-seat on the base for closing and opening said return bend passage, and means for releasably securing said cover in closed position.

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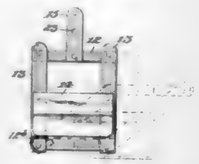
1,559,950. TOOL RECEPTACLE OR CARRIER. LEWIS E. FORD, Salamanca, N. Y. Filed Nov. 5, 1924. Serial No. 747,974. 8 Claims. (Cl. 206—16.)



4. A receptacle for tools or the like comprising a plurality of trays, uprights at the sides of the receptacle at each end thereof and with which uprights said trays are pivotally connected, and rectangular supporting plates attached to said uprights at each end of the receptacle, the bottoms of said plates being considerably above the bottom of the lowermost tray when the parts are in normal position.

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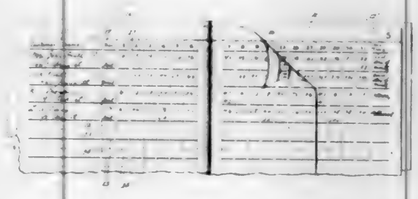
1,559,951. ROUTE BOOK. ELMER E. FOREMAN, Columbus, Ohio. Filed Feb. 19, 1923. Serial No. 619,918. 1 Claim. (Cl. 283—66.)

An account book comprising a series of wide leaves and a relatively narrow leaf inserted between each pair of said wide leaves, the adjacent face of said wide leaves and both faces of said narrow leaf being ruled with a plurality of vertical columns including a relatively wide name column at the free vertical edge of one of the wide leaves, a plurality of narrow date columns on both sides of the narrow leaf and also on both wide leaves, a balance column between said name column and the first one of said date columns, and a pay-time column at the free vertical edge of the opposite wide leaf, all of said columns being appropriately designated at the top edges of the pages which are also divided by horizontal lines to form individual account spaces extending continuously across the rear face of one of said wide leaves and across both faces of said narrow leaf and also across the front face of the next wide leaf, said individual account spaces being subdivided with contrasting lines to form equal size upper and equal size lower spaces throughout the length of the wide columns, and said narrow leaf being sufficiently wide only to extend to the inner end of the name column when folded back against the name column page, and also each side of the narrow leaf is arranged with only sufficient date columns to record an account of one week, so that a weekly debit account can be easily ascertained by glancing at one of the end date columns on the pages.



1,559,952. WATCH HOLDER FOR VEHICLE STEERING WHEELS. SANFORD W. FRENCH, Fort Bliss, Tex. Filed Jan. 26, 1924. Serial No. 688,742. 1 Claim. (Cl. 224—4.)

In combination with a watch case, provided at diametrically opposite sides with loops, a holder comprising a pair of metallic strips of the same configuration and dimension, each strip being provided at one end with a hook portion adapted to partially engage around the intermediate portion of one of the loops, each hook portion having an angularly disposed shank portion adapted to lie under the edge portion of the case, each shank portion merging with an arcuate portion to form a re-entrant angle therewith, and each arcuate portion merging into an outstanding ear formed at the opposite end of the strip from that end at which the hooked portion is located, and a draw bolt passing transversely through the ears and adapted to draw the arcuate portions of the strips and the side of the watch case toward the peripheral surface of a support.

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1,559,953. PADDLE BALL. THOMAS H. FURMAN, Los Angeles, Calif. Filed Apr. 10, 1924. Serial No. 705,585. 2 Claims. (Cl. 273—96.)

1. A toy comprising a wooden paddle having an aperture extending through opposite faces thereof, a depending pocket communicating with said aperture, means for securing said pocket to said paddle, said means comprising an annular ring having teeth adapted to be pressed into the paddle, an elongated slender elastic element secured at one end to the paddle, and a resilient ball secured to the other end of the elastic element.

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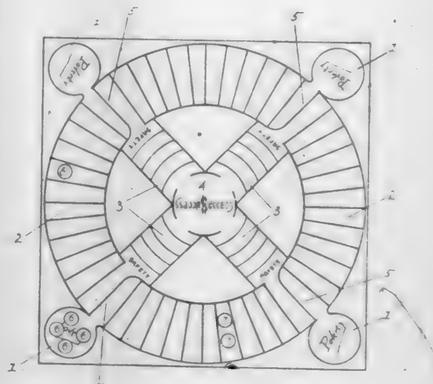
1,559,954. GAME. HARRY E. GIFFORD, Medford, Mass. Filed Oct. 27, 1922. Serial No. 597,398. 4 Claims. (Cl. 273—134.)

1. A game comprising a board having various areas over which discs called men are moved by 2, 3, or 4 players; one die having one side indicative of backward moves; one or more ordinary dice indicative of forward moves; and several men or discs of a distinctive color for each player, as described and for the purpose specified.



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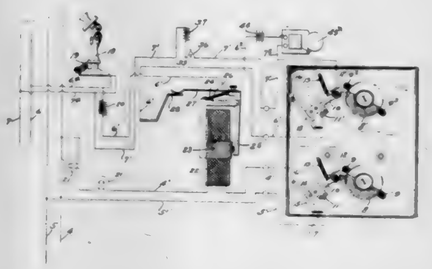
1,559,955. ELECTRIC BURGLAR DETECTOR. NEWTON L. GLOVER and JAMES A. HANSON, Windom, Minn. Filed Feb. 11, 1924. Serial No. 691,918. 11 Claims. (Cl. 179—5.)



1. The combination with an electric light circuit, of an electric light bulb forming a part of said circuit, a timed switch adapted to automatically open and close said circuit, a shunted telephone circuit, means cooperating with said light circuit for closing said telephone circuit.

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1,559,956. COMBINED TOILET FLUSH AND INTAKE VALVE. CHARLES H. GUNN, Oakland, Calif. Filed July 29, 1924. Serial No. 728,860. 4 Claims. (Cl. 4—21.)

2. The combination with a toilet comprising a bowl, a seat hinged thereon and screws securing the hinge to the bowl; of a flush valve structure mounted in connection

with the bowl, a horizontal operating arm projecting from the structure, a lever having one end under the

seat and the other end under the outer end of the arm, and means for pivoting the lever onto the bowl in connection with the seat-hinge screws.

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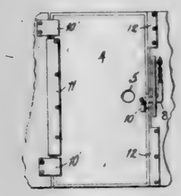
1,559,957. BURGLARPROOF TOOL HOUSE. JOSEPH F. HAGAN, Electra, Tex., assignor of one-half to W. C. Kiker, Electra, Tex. Filed Oct. 27, 1924. Serial No. 745,967. 2 Claims. (Cl. 20—16.)



1. In combination, a door, a door casing, hinges on the outside of the door connecting the door to the casing, locking means secured to the inside of the door and casing near the edges thereof which carry the hinges, said locking means comprising a relatively long metal plate having one edge secured to one of the marginal edges of the door, a pair of small metal plates each having one end secured to said casing and their outer free ends projecting over the door, said small plates being positioned at points opposite the hinges, said long plate extending between said small plates and having its free outer edge extending over said casing

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1,559,958. MECHANICAL WINDOW OPERATOR. FREDERICK HAUSER, San Francisco, Calif. Filed Jan. 2, 1924. Serial No. 683,872. 5 Claims. (Cl. 268—19.)

1. Means for operating sashes of a multi-sash window comprising a casing adapted to be mounted in a window frame, a shaft rotatable in the casing, a pinion on the shaft, rack bars slidable in the frame, said shaft being adjustable to bring the pinion into engagement with any

one of the several rack bars, means providing for connection between the sashes of a multi-sash window and said rack bars and means for rotating the shaft.

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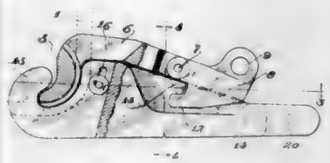
1,559,959. CABLE SLING, JAM AND TRIP HOOK. EDWARD A. HAYNES, Port Huron, Mich. Filed Dec. 30, 1924. Serial No. 758,854. 6 Claims. (Cl. 294—75.)



1. A clevis adapted for a jam and trip cable hook, comprising a jam member, a trip device, and a main body member, the jam member being adapted to be held firmly in hooked relation with one end of the main body member.

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1,559,960. CLEANING COMPOUND. EUGENE M. HECKMAN, Avalon, Pa. Filed June 21, 1924. Serial No. 721,586. 2 Claims. (Cl. 87—5.)

2. A cleaning compound consisting of blast furnace slag, granulated by introducing it into water while hot, and soap.

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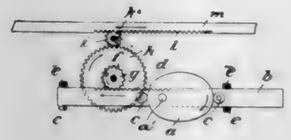
1,559,961. INSECTICIDE. GILBERT E. SEIL and OSCAR F. HECHENBURG, Pittsburgh, Pa., assignors to Frank O. Moburg, Toledo, Ohio, and The Roessler & Hasslacher Chemical Company, a Corporation of New York. Filed May 28, 1921. Serial No. 473,344. 3 Claims. (Cl. 167—6.)

1. An insecticide composition comprising a dilute solution of a cyanhydrin, of appropriate strength for use for insecticidal purposes.

3. An insecticide composition comprising a dilute aqueous solution of cyanhydrin of acetone in the proportion of one part cyanhydrin to one hundred or more parts of water.



1,559,962. MECHANICAL MOVEMENT FOR STRAIGHT HOSIERY FRAMES. WOLDEMAR HEINITZ, Chemnitz, Germany. Filed Mar. 5, 1924. Serial No. 697,138. 2 Claims. (Cl. 74—14.)



1. A mechanical movement for use in connection with straight hosiery frames and apt to serve as driving gear for the bar transmitting motion to the thread guide bar of the frame, comprising, in combination, an eccentric disk, means to rotate it; a shiftable bar, and means to transmit the revolutions thereof to said bar so as to reciprocate it; another shiftable bar arranged parallel to the first-mentioned one at some distance thereof; teeth at the opposite edges of said bars; a pinion meshing with the teeth of the first-mentioned bar, a cog-wheel firmly connected with said pinion, and another pinion meshing with said cog-wheel, as well as with the teeth of said other bar, for the purpose set forth.

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1,559,963. TREATMENT OF COPPER ALLOYS. FRIEDRICH HEUSLER, Dillenburg, Germany, assignor to the Firm of Isabellenhuette Gesellschaft mit beschränkter Haftung, Dillenburg, Germany. Filed Aug. 29, 1921. Serial No. 496,600. 2 Claims. (Cl. 148—11.)

1. The method of increasing the hardness and elastic limit of alloys containing a predominant proportion of copper and relatively small proportions of manganese and aluminum which consists in subjecting the alloys after they have been cast, rolled or forged, to a prolonged heating treatment at a temperature of approximately 200° C. to 250° C.

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1,559,964. DISPLAY TRAY. ALBERT C. JACKSON, Dayton, Ohio. Filed July 3, 1922. Serial No. 572,592. 1 Claim. (Cl. 211—28.)

In a display unit, the combination with a tray having a rear wall which projects below the bottom of the tray to support the latter in an inclined position, of a second tray having a rear wall which projects below the bottom of the tray to support the latter in an inclined position, and downwardly turned spring pieces secured to the rear wall of the first tray near the bottom of the latter, to hook over the front wall of the second tray for the purpose specified.

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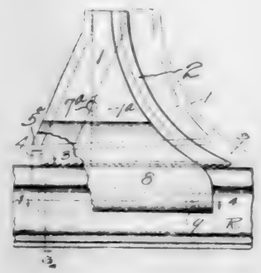
1,559,965. AUTOMATIC SAFETY BUMPER. PERRY JASPER JESSIP, Atchison, Kans. Filed July 28, 1925. Serial No. 46,614. 3 Claims. (Cl. 104—258.)

1. A chock device for railroad rails comprising a primary intermediate wedge plate and a pair of side plates each having engaging wedge shoulders whereby relative movement of the primary wedge plate with reference to



the side plates causes the entire device to rigidly grip the head and web of the rail.

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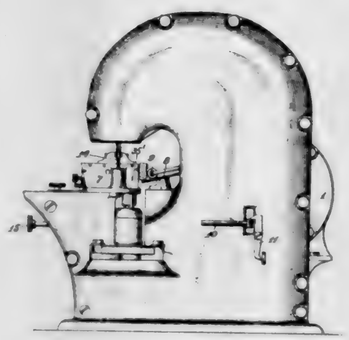
1,559,966. PIN-TICKET MACHINE. EARL L. KINCH, Waterbury, Conn., assignor to Waterbury Buckle Company, Waterbury, Conn., a Corporation of Connecticut. Filed Nov. 20, 1923. Serial No. 675,872. 5 Claims. (Cl. 93—88.)



1. Clinching means for pin ticket machines comprising a guide, a tubular plunger therein provided with upwardly extending opposed posts, a second plunger in the first plunger, yielding means between the two plungers for normally maintaining the second plunger in outward position with respect to the first, said second plunger being provided with grooves engaging the posts on the first plunger, a knife-like projection on the end face of the second plunger, said face being recessed on either side of the projection and means for reciprocating and partially rotating the compound plunger.

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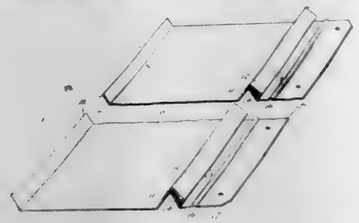
1,559,967. SHEET-METAL ROOFING. GEORGE B. KING, South Boston, Va. Filed Feb. 17, 1923. Serial No. 619,687. 2 Claims. (Cl. 108—17.)

1. A sheet metal roofing plate having inclined sealing flanges adjacent its opposite edges with a plane surface extending from one flange to the other, and a raised por-

tion between one of said flanges and the adjacent edge, said raised portion making a line contact with a juxtaposed plate, the latter overlapping the first plate and



resting on said raised portion, said raised portion serving as a fulcrum on which the juxtaposed sheet pivots to wedge the cooperating flanges of the two plates together.

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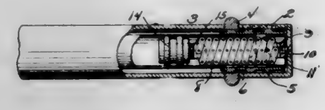
1,559,968. PEN. JOHN J. KLESCHKA, Waterbury, Conn. Filed July 25, 1924. Serial No. 728,216. 3 Claims. (Cl. 120—47.)



1. A fountain pen having a plunger therein, expansible means connected with the plunger and revoluble means for expanding or contracting said expansible means.

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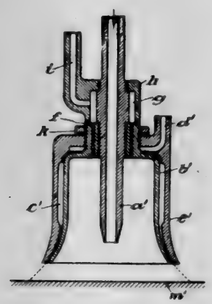
1,559,969. TREATMENT OF SURFACES UNDER WATER. ARTHUR MAUTERER, Dortmund, Germany. Filed Nov. 11, 1924. Serial No. 749,354. 4 Claims. (Cl. 61—63.)



1. The method of retaining under water surfaces free from water during the treatment thereof with a spray, which consists in encircling the spray with an annular shield or curtain of gas under pressure movable laterally with the spray and impinging the surface around the impingement of the spray.

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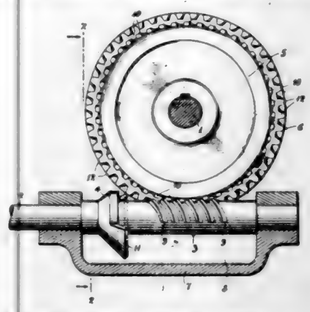
1,559,970. MECHANICAL MOVEMENT. PHILIP JACOB MEAHL, Summit, N. J. Filed June 29, 1923. Serial No. 648,533. 7 Claims. (Cl. 74—36.)

2. A mechanical movement comprising, in combination, a worm having an interrupted thread, a cooperative worm wheel, a radially-toothed locking member located at one side of and rotatable in unison with the worm wheel, and



an interrupted locking member cooperative with the radial teeth of the toothed locking member and rotatable in unison with the worm.

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1,559,971. TEMPORARY BINDER. HENRY C. MEYER, Belleville, N. J. Filed June 16, 1922. Serial No. 568,883. 2 Claims. (Cl. 129—40.)

2. A binder comprising a stiff back adapted to lie in engagement with the binder part of a magazine, a gripping member at one end of said back having a comb part arranged to enter between the leaves of the magazine, a second gripping member at the opposite end of the back comprising a plate of resilient sheet metal disposed flat upon said back having a portion bent upwardly therefrom provided with comb teeth extending over the plate adapted to enter between the leaves of the magazine, a retaining member fixed to the back and projecting through a longitudinally extending slot of the plate and having a head thereon to retain the plate against lifting from the back while permitting limited longitudinal sliding movement of the plate, and snap acting means interengaging between the back and the plate utilizing the resiliency of the plate resisted by the head of the retaining member to hold the plate in gripping position.

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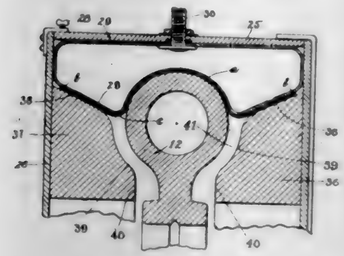
1,559,972. METHOD AND APPARATUS FOR BUILDING TIRE CASINGS. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Jan. 28, 1920. Serial No. 354,622. 11 Claims. (Cl. 154—10.)

11. A device for conforming tire-buiding material to a core comprising an inflatable annular bag, a housing



enclosing the bag forming with the core a chamber for controlling the expansion of the bag and causing the



latter to press the tire-building material against the core, and means for exerting a dragging action on the material.

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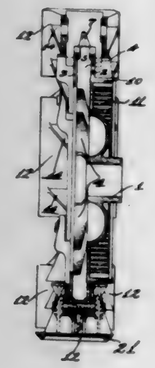
1,559,973. TRACKLAYING TREAD DRIVE WHEEL. ROYAL R. MILLER, Chicago, Ill., assignor to Miller Traction Tread Company, a Corporation of Delaware. Filed Feb. 11, 1921. Serial No. 444,115. 5 Claims. (Cl. 305—6.)



1. In a track laying tread drive, a pair of annular plates integrally united by integral ribs projecting beyond said plates, a track laying tread comprising pivotally connected members having parallel guide plates trained over said ribs, said guide plates having shoulders cooperating with said annular plates.

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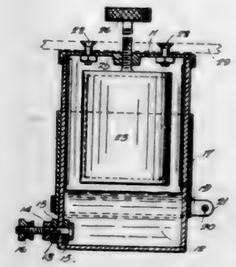
1,559,974. VARIABLE ELECTRIC CONDENSER. GERALD J. MULLIGAN, Columbus, Ohio. Filed Mar. 8, 1924. Serial No. 697,839. 3 Claims. (Cl. 250—41.)

1. A variable condenser including a receptacle in the form of a fluid container, constituting a dielectric and having an external coating fixed thereto and constituting an external stationary electrode, a clamp surrounding the receptacle in contact with the coating and around the lower edge thereof and having a binding post, a binding post fixed through the wall of the receptacle below and apart from the coating thereof, a fluid conducting material within the receptacle whose normal level is adjacent to the lower edge of the external stationary electrode, a cap closing the upper end of the receptacle and having a central bearing, and a core or plunger within the receptacle, formed of insulating material for movement downwardly into the fluid and operating solely to



raise the level of the latter with respect to the outer electrode, having an upright stem threaded through the bearing of the cap and provided with an external knob or handle for the purpose described.

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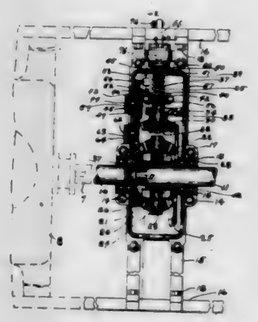
1,559,975. AUTOMATIC SPEED-CHANGING POWER-TRANSMISSION DEVICE. HOWARD J. MURRAY, Brooklyn, N. Y. Filed June 21, 1920. Serial No. 390,540. 25 Claims. (Cl. 74—34.)



1. In a device of the class described, a differential set comprising a driving member, a resistant member mounted for rotary movement, an idler member operatively connected with both the driving member and the resistant member so as to be actuated by the difference in speed beween these members, means connected to said idler for taking energy from same, resilient variable speed means including a pneumatic frictional surface acting on the resistant member for affecting the relative speed between these members, frictional power means operatively connected to the said driving member and to the said pneumatic surface for actuating the resilient means thereby to vary its effect on the resistant member, and electromagnetically actuated control means acting on the resilient means to co-operatively affect the resistant member thereby.

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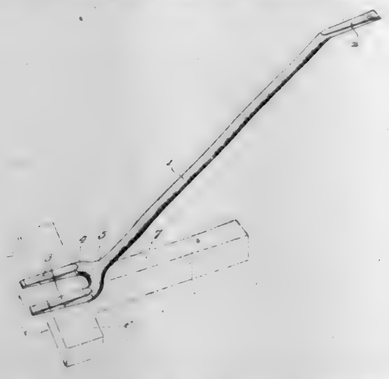
1,559,976. WRECKING BAR. RALPH L. NESS, Clarkfield, Minn. Filed May 18, 1925. Serial No. 31,058. 1 Claim. (Cl. 254—25.)

A wrecking implement comprising a handle bar, and a U-shaped fork at one end of said handle disposed at an incline thereto, said fork having spaced parallel arms and a curved bridge connecting their upper ends, said

handle bar having a widened end portion jointed to said bridge intermediate the ends of the bridge and constituting a fulcrum, the under face of said fulcrum being



curved longitudinally and transversely and merging into the intermediate and end portions of said bridge, the said end portion of said bridge being circular in cross section.

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**1,559,977. RAILROAD-CROSSING-GATE CONTROL.** ISAAC S. OHAVER, Indianapolis, Ind. Filed Oct. 30, 1924. Serial No. 746,786. 10 Claims. (Cl. 246—293.)

1. In railroad crossing gate controls, a conventional railroad crossing gate means pivoted adjacent a railroad and wagon road crossing, on one side of the wagon-road; a trigger means, pivoted on the same side of said wagon-road, having radially arranged prongs; another such gate means arranged on the other side of said wagon-road; another such trigger means also arranged on the other side of said wagon-road; a trip means extending from trains etc. passing along said railroad, and adapted to engage said prongs in rack tooth manner and oscillate same; a chain belt means adapted to transmit motion from said trigger means to said gate means, said belt means being oppositively wrapped on the respective gate means and trigger means, whereby a train approaching with said trip means in either direction, will close said gate means thru the first engaged trigger means and open same thru the last engaged trigger means; and guide means adapted to guide said belt means.

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1,559,978. VETERINARY SYRINGE. REED H. PAGE, Slater, Mo. Filed Apr. 18, 1924. Serial No. 707,483. 5 Claims. (Cl. 128—235.)

1. In a device of the character described, a cylinder, a head at one end of said cylinder formed with inlet and discharge ports, a piston slidable longitudinally in said cylinder, a reservoir carrier including a strip extending longitudinally of said cylinder and having a portion secured to the cylinder and a portion extending in spaced relation to the rear end of the cylinder, a cover extending from said strip to engage the forward end of a reservoir and provided with an opening, a conduit passed through the opening and having its rear end

portion adapted to extend into the reservoir and its forward end in communication with the inlet port of said head, and means carried by the free portion of said strip and adjustable longitudinally thereof into position to engage the rear end of the reservoir and hold the reservoir in place.

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1,559,979. BOARD-TONGUE CUTTER. WILLIAM A. PECK and JAMES M. MALONE, New Haven, Conn.; said Malone assignor to said Peck. Filed May 16, 1925. Serial No. 30,831. 4 Claims. (Cl. 145—1.)

4. A tool of the character described comprising a shank formed to provide a horizontal portion, an upwardly turned portion and a horizontally extending handle, the shank beyond the first named horizontal portion being upwardly turned to constitute a fulcrum, the horizontal portion of the shank first described being longitudinally slitted from end to end, a blade disposed within said slit, and attaching members passing through the walls of the slit and through the blade and holding the blade in place.

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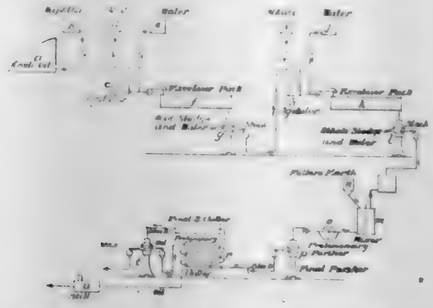
1,559,980. PURIFICATION OF AIR CONTAINING AMMONIA. GEORGE ST. J. PERROTT and MAX YABLICK, U. S. Army; said Perrott assignor to said Yablick. Filed Jan. 10, 1919. Serial No. 270,606. Renewed July 24, 1925. 10 Claims. (Cl. 23—4.)

2. The process of purifying air vitiated with a high concentration of ammonia, to render the air suitable for breathing after purification and without intermediate cooling or other treatment, which consists in passing the air through a dry, solid, granular mass, containing crystals of hydrated copper sulfate.



1,559,981. PROCESS OF EXTRACTING WAXES FROM CRUDE PETROLEUM. EARL PETTY, Winfield, Kans., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 15, 1921. Serial No. 500,755. 18 Claims. (Cl. 196—19.)



1. The process of treating paraffin base crude mineral oil to obtain therefrom wax mainly in amorphous form and wax mainly in crystalline form (paraffin), which comprises subjecting oil containing said waxes to refrigeration and centrifugal separation to separate wax from the oil, and subsequently distilling the wax to drive off a crystalline wax distillate, leaving as a residue wax mainly in the amorphous form.

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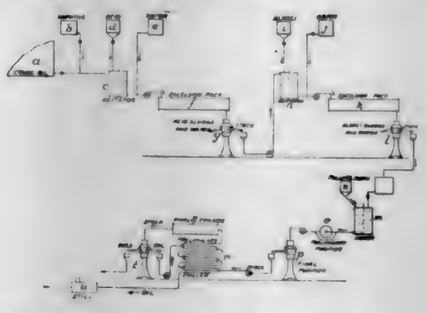
1,559,982. PROCESS OF PRODUCING WAX-FREE PRODUCTS FROM CRUDE PETROLEUM. EARL PETTY, Winfield, Kans., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed July 11, 1923. Serial No. 650,782. 7 Claims. (Cl. 196—20.)



2. The process of treating paraffin base crude mineral oil to obtain therefrom a wax-free low pour bright stock, which comprises subjecting the oil, without distilling off wax distillate, to refrigeration and centrifugal separation to separate wax from the oil, distilling the wax-free oil to obtain therefrom distillates of different boiling points, diluting the residue with a low boiling point petroleum distillate, subjecting the thus formed blended stock to successive treatments with an acid and an alkali, and distilling off the diluting distillate.

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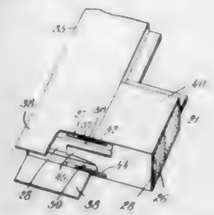
1,559,983. FIREPROOF DOOR. CHARLES C. PFEIFFER, Westfield, N. J., assignor to Knoburn Products Corporation, Hoboken, N. J., a Corporation of New Jersey. Filed May 23, 1924. Serial No. 715,270. 8 Claims. (Cl. 20—35.)

1. In a structure of the character described, a pair of body members joined together at an angle to each other, a metallic sheath encasing each body member, said sheaths having portions disposed in abutting relation and a connector joining the abutting portions and disposed within the sheaths, one of said sheaths overlapping the joint between said members.



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1,559,984. METHOD FOR MAKING SULPHUR PRODUCTS. WILLIAM C. PYNER, Hillside, N. J. Filed Jan. 28, 1925. Serial No. 5,402. 9 Claims. (Cl. 252—5.)

1. The method of producing a sulphur product, comprising a treatment of pulverized sulphur in the presence of an alkaline protein compound, causing a dispersion of the sulphur and producing a finely comminuted sulphur product.

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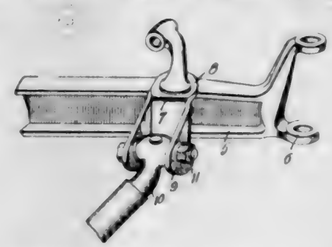
1,559,985. RADIUS ROD. ALBERT D. PURTLE and DELMAR C. FARRA, Marietta, Ohio. Filed Oct. 24, 1923. Serial No. 670,551. 1 Claim. (Cl. 267—66.)



In a device of the character described, a body portion, said body portion including forwardly extended spaced ears extending from the upper and lower edges thereof said body portion adapted to closely engage the side face of an axle, inwardly and downwardly extended spaced ears extending from the side edges of the body portion, the ears being formed with openings to receive securing bolts, and said last mentioned ears being relatively wide to provide supporting flanges to hold the forward end of a radius rod against twisting.

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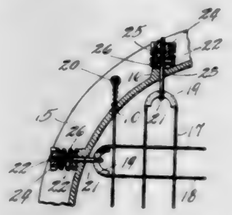
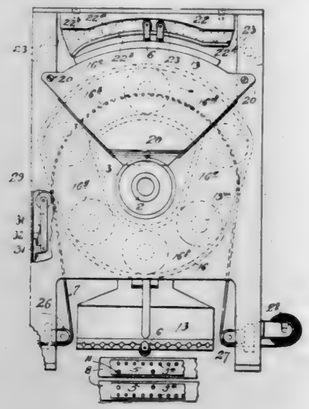
1,559,986. TENNIS RACKET. CHARLES F. QUICK, Dallas, Tex. Filed Jan. 17, 1925. Serial No. 3,184. 10 Claims. (Cl. 273—73.)



1. In a tennis racket, a frame, a plurality of resiliently sustained members movable through the frame, and strings carried by said members.

1,559,987. PERFORATING MACHINE. JAMES H. REINHARDT, East Orange, N. J., assignor of one-fifth to Theodore F. Bourne, Montclair, N. J. Filed Jan. 19, 1922. Serial No. 530,260. 29 Claims. (Cl. 164—90.)



1. A perforating machine comprising a rotative head, a member movably carried by said head, punches movably carried by said member arranged in an annular row circumferentially around said head and operative radially thereof, die means carried by said head and cooperative with said punches, means to operate said member to place the punches over the die means and to remove the punches to one side of the plane of a strip on the die after punching the strip during rotation of said head, and means to operate said punches.

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1,559,988. LAUNDRY CART. FLORENCE G. RYAN, Chicago, Ill. Filed Sept. 28, 1923. Serial No. 665,496. 2 Claims. (Cl. 280—36.)

1. A collapsible laundry cart comprising side frames, top bars extending longitudinally of the frames, a flexible support spanning the distance between the top bars and having its edges connected thereto, means pivotally connecting the side frames at their ends to permit folding movement toward each other, lock bars at the ends of the frames, each having one end connected to one side frame and the other end detachably connected to the opposite side frame and side bags removably supported along the sides of the top bars.

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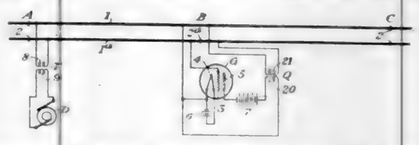
1,559,989. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HARRY M. RYDER, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed May 15, 1924. Serial No. 713,550. 14 Claims. (Cl. 246—34.)

4. In combination, a block of railway track comprising two sections, a source of periodic voltage connected across the rails of one said section, an electron tube amplifier, means for supplying voltage from said one



section to the grid circuit of said amplifier, and a plate circuit for said amplifier for supplying current to the rails of the remaining section.

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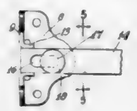
1,559,990. CURTAIN TAPESTRY HOLDBACK. DICKRAN M. SARKISIAN, Forest Hills, N. Y. Filed Mar. 3, 1923. Serial No. 622,486. 4 Claims. (Cl. 156—33.)



1. A device of the character described comprising a bracket having a pair of flanges, a curtain retaining element pivotally and slidably connected to said bracket, the pivotal end of said curtain retaining element being adapted to be swung about its pivotal connection with said bracket and thereafter moved transversely to the axis of its pivotal connection with said bracket into the space afforded between said flanges whereby the curtain retaining element is locked in curtain-retaining position.

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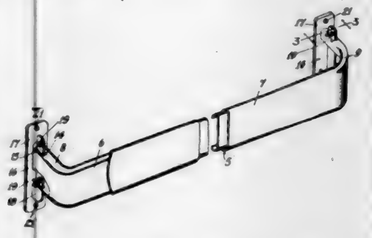
1,559,991. CURTAIN ROD AND BRACKET THEREFOR. DICKRAN M. SARKISIAN, Forest Hills, N. Y. Filed Nov. 19, 1924. Serial No. 750,744. 17 Claims. (Cl. 156—22.)



1. The combination with a sheet metal curtain rod having a flange provided with an opening so shaped as to provide a resilient wing projecting into the opening, of a bracket including a finger adapted to enter said opening and a rigid locking device carried by said finger and adapted to cooperate with said wing to retain the rod in position.

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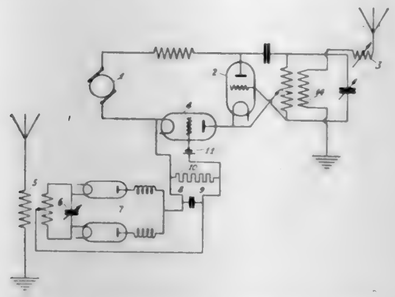
1,559,992. ARRANGEMENT FOR FREQUENCY TRANSFORMATION PARTICULARLY FOR OPERATING RELAY STATIONS. WALTER SCHAFFER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed Aug. 18, 1922. Serial No. 582,612. 4 Claims. (Cl. 250—15.)

1. An arrangement for frequency transformation adapted for use in operating relay stations comprising a cathode tube having a grid, a tube sender controlled by said cathode tube, a receiving circuit connected to the grid, a rectifier in the receiving circuit for causing direct current potential in proportion to the received energy to be impressed on the grid, and means for applying an auxiliary potential to the grid to prevent the generation of oscillations in the tube sender when no energy is being received.



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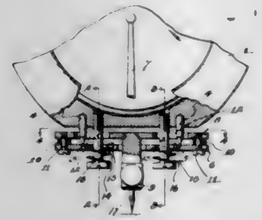
1,559,993. STYLUS-BAR MOUNTING. CARL SCRABIC, Urbana, Ohio. Filed Nov. 15, 1923. Serial No. 674,830. 2 Claims. (Cl. 274—35.)



2. In combination with a sound box casing, a stylus bar connected therewith for oscillatory movement, a plate rigidly connected with the bar, said plate having sockets formed therein which have their bases inclined in opposite directions, a resilient means engaged in said sockets for exerting pressure upon the plate in opposed directions, as and for the purpose set forth.

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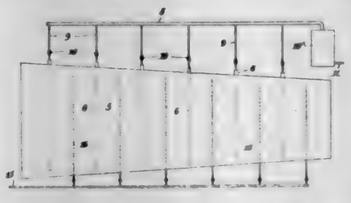
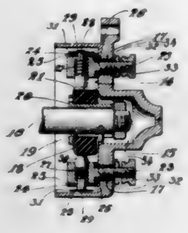
1,559,994. DESTRUCTIVE DISTILLATION OF WOOD. DUNCAN P. SHAW, Fayetteville, N. C. Filed Dec. 21, 1922. Serial No. 608,384. 4 Claims. (Cl. 203—6.)



1. The process of destructive distillation of wood, consisting in progressively burning a mass of such wood from one end to the other of a kiln in a substantially horizontal direction, and in withdrawing the distilled vapors from a zone in advance of said progressively burning portion, and substantially avoiding the intermixing with the distilled vapors of any gases of combustion which contain no tar vapors.



1,559,995. IGNITION TIMER FOR INTERNAL-COMBUSTION ENGINES. VANCE SHEARER, New York, N. Y. Filed June 21, 1924. Serial No. 721,392. 5 Claims. (Cl. 200—27.)



1. An ignition timer, comprising a casing, a plurality of plungers within the same, blocks for supporting the plungers and provided with terminals extending through the front of the casing, lock nuts secured to said terminals exterior of the casing, a rotary shaft extending into the casing, and a cam of insulating material keyed to said shaft and coacting with the plungers to make and break the electric circuit.

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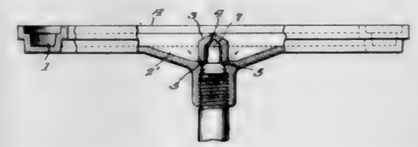
1,559,996. BURNER. HENRY M. SHEER, Quincy, Ill. Filed Feb. 9, 1924. Serial No. 691,636. 4 Claims. (Cl. 158—86.)



1. A burner having an oil groove extending circumferentially thereof, an arcuate elongated deep oil well concentric with and extending downwardly from a point in the bottom of the oil groove, and being substantially coextensive with the width thereof, said well having substantially flat, sloping ends, and having an inlet adjacent the bottom thereof for receiving oil, and means for normally maintaining the oil level at a point between the top and bottom of the oil well providing a burning surface within the oil well, the vapor rising from the burning surface and passing substantially around the groove.

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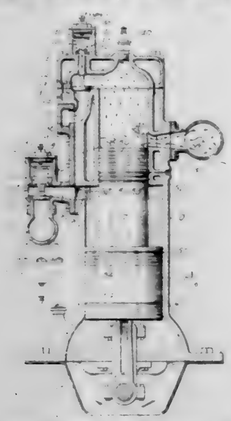
1,559,997. TWO-CYCLE MULTICYCLINDER INTERNAL-COMBUSTION ENGINE. FRANK D. SHEPHERD, Salt Lake City, Utah. Filed July 22, 1921. Serial No. 486,681. 1 Claim. (Cl. 123—59.)

An internal combustion engine having two sets of cylinders, each set comprising two cylinders and a piston for each cylinder, one piston being a power piston and the other a charging piston, the cylinder of the power piston having inlet and exhaust ports and the cylinder of the charging piston having inlet and outlet ports, an inlet to the charging piston cylinder, a check valve controlling flow through said inlet, conduits connecting the outlet port of each charging cylinder of one set with the inlet

of each power cylinder of the other set, a plate separate from the cylinders containing one of said conduits, the



other conduit being formed by a channel in the cylinder wall and an adjacent side of said plate, and housings for said valves integral with said plate.

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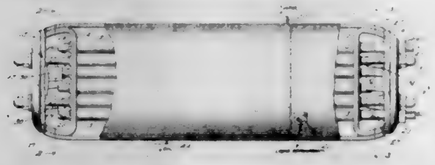
1,559,998. CONDENSER. THOMAS SHIPLEY, York, Pa. Filed May 20, 1924. Serial No. 714,709. 5 Claims. (Cl. 257—240.)



1. The combination with a condenser of the water tube type including a pair of spaced tube sheets, in which open-ended water tubes are fixed, and water boxes beyond the tube sheets; of removable tubular connectors mounted in the water boxes and having their ends frictionally retained in the open ends of the water tubes to connect certain of said tubes in series.

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1,559,999. DANGER SIGNAL. EMANUEL F. SHIPMAN, Philadelphia, Pa. Filed June 20, 1925. Serial No. 38,396. 7 Claims. (Cl. 40—125.)

1. A portable danger sign, comprising two side frames hinged together at the top by separate hinge portions and provided with means for holding the lower portions of the frames in spaced relation, the upper hinged portions providing a space between the hinges, one of said frames provided with a tubular guide and the other of said frames provided with a handle in substantial alinement with the plane of the frame to which it is attached, said tubular guide and handle arranged in the space between the hinged portions.

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1,560,000. GARMENT BUTTON. MORRIS H. SIEGEL, New York, N. Y., assignor to Beatrice Sanville, New York, N. Y. Filed Aug. 15, 1924. Serial No. 732,194. 3 Claims. (Cl. 24—90.5.)

1. A garment button as characterized comprising a base, a head, connecting shank, and a retainer having members spaced apart from said base; and means for closing said members toward said base upon an intervening fabric adapted to clamp the fabric between said members and said base, said means embodying a ring slidably mounted on said shank for contracting the ends of said members upon said shank.

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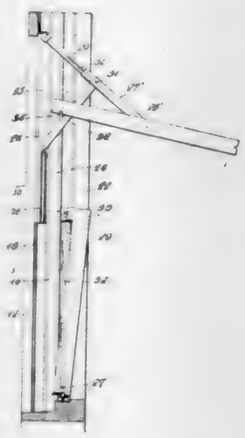
1,560,001. COMBINED SLIDABLE AND REVERSIBLE WINDOW SASHES. LEROY B. TAYLOR, Cleveland, Ohio. Filed May 12, 1924. Serial No. 712,586. 7 Claims. (Cl. 20—49.)



1. The combination of a window casing having opposed vertical ways, a slide member arranged in each way, a sash, and telescopic arm and link mechanism connecting the sash and slides whereby to permit vertical sliding and reversing of said sash.

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1,560,002. GLARESHIELD. CHRISTIAN THOMPSON, Salt Lake City, Utah. Filed May 17, 1924. Serial No. 713,971. 5 Claims. (Cl. 2—12.)

1. A device of the class described comprising a frame including resilient rearwardly extending side arms adapted to embrace the body portion of a hat or cap and grip the same for the support of the frame thereon and further including arms extending forwardly from

the hat embracing arms, a cross rod extending between the forwardly extending arms and supported thereby, and a light screen suspended from the said cross rod.

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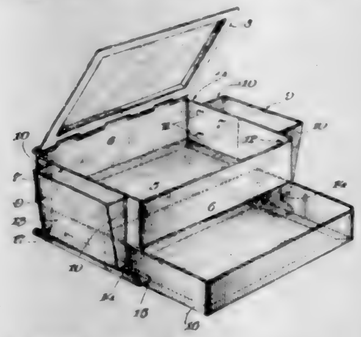
1,560,003. SMOKER'S OUTFIT. HENRY C. TRAUTE, Monmouth Beach, N. J., assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 18, 1924. Serial No. 738,353. 5 Claims. (Cl. 206—20.)



1. A smoker's outfit comprising a rectangular receptacle for cigarettes, exterior match-holding pockets affixed to the respective ends of said receptacle, and an ash-receiver movably supported beneath said receptacle, said pockets composed of sheet metal shaped to provide outwardly spaced wall portions and tapering ends depending below the body of the receptacle and affording guides and supports for the ash receiver.

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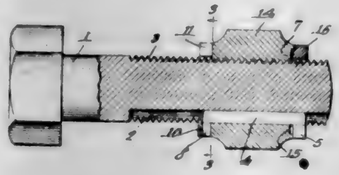
1,560,004. NUT LOCK. TOM R. WALKER, Alexandria, La. Filed Apr. 4, 1925. Serial No. 20,684. 1 Claim. (Cl. 151—9.)



In a nut lock, a key, and washers mounted on the ends of the key and disposed in approximately parallel planes about at right angles to the length of the key, one washer being of continuous annular form, and the other washer having its ends spaced apart. The space between the ends of the last-specified washer being so small that said washer is of substantially annular form, one washer having a pawl which projects toward the other washer, and a nut located between the washers and having a ratchet wherewith the pawl engages.

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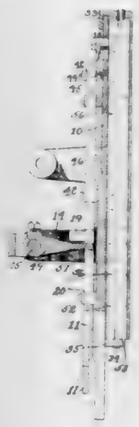
1,560,005. DEVICE TO PREVENT VIBRATION OF BOBBINS. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 27, 1924. Serial No. 702,415. 9 Claims. (Cl. 139—245.)



1. In a weft replenishing mechanism for looms, a compartment for the bobbins, and means under control of the replenishing mechanism and normally restraining vibration of the bobbins to remove the restraint on the bobbins at indication of substantial weft exhaustion and to immediately thereafter move to bobbin restraining position on the same pick.

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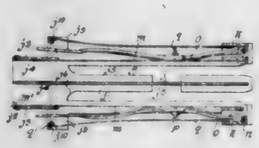
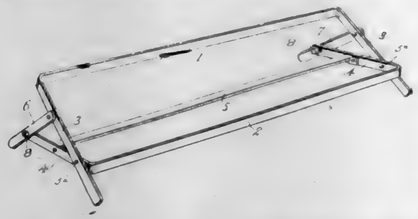
1,560,006. SHUTTLE-BOX MECHANISM. WILLIAM S. WELLS, Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 2, 1923. Serial No. 629,274. 7 Claims. (Cl. 139—184.)



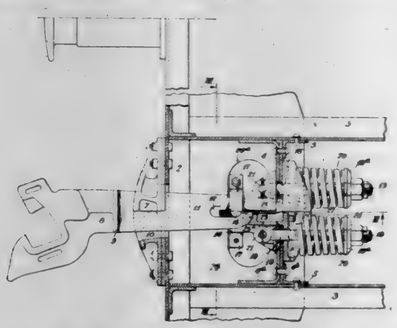
1. A shuttle-box having a wall against which the shuttle moves in wiping contact and opposite and substantially equidistant from said wall spaced supports arranged one at the mouth and the other at the other end portion of the box, a flexible strip bridging and held to said supports in contact with their inner surfaces, said strip forming another wall against which the shuttle moves in wiping contact, and means to exert inward yielding tensioning pressure on the strip between said supports, the strip as to the part thereof against which the shuttle thus moves being at all times nearly straight.

1,560,007. DISPLAY RACK. EDWARD B. WESTON, Dayton, Ohio. Filed Dec. 8, 1922. Serial No. 605,715. 2 Claims. (Cl. 211—14.)



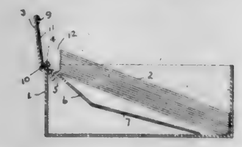
1. In a display rack, a pair of metal frames, open on one side, with rivets for pivoting the ends permanently together in opposed relation, and end supports, one for each end with rivets for pivoting the same permanently to the sides of the frame and outer removable bolts releasably securing the same to the ends of the inner frame to form an open rack adapted to be flattened out upon releasing the latter connection.

1,560,008. DRAFT AND BUFFING MECHANISM FOR RAILWAY CARS. JOHN WILLISON, Cleveland, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 18, 1923. Serial No. 639,767. 9 Claims. (Cl. 213—12.)



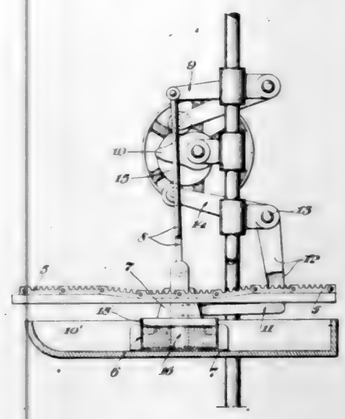
1. In draft and buffing mechanism, a draft equalizing member having a flexible connection with a coupler shank, a plurality of springs flexibly connected to said draft member, and a buffing member interposed between said springs and said coupler shank.

1,560,009. DISPLAY DEVICE. EDWARD H. WOBBER, San Francisco, Calif. Filed Jan. 19, 1925. Serial No. 3,297. 6 Claims. (Cl. 211—28.)



1. A display device comprising an upstanding portion having associated means constructed and adapted to receive a symbol card, a sloping lower portion on which merchandise is adapted to rest, and an edge engaging member between said portions, in combination with a container adapted to embrace merchandise and having an edge adapted to engage said member.

1,560,010. METHOD OF AND MEANS FOR TREATING MATCH SPLINTS. JACOB P. WRIGHT, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 13, 1924. Serial No. 749,596. 6 Claims. (Cl. 144—60.)



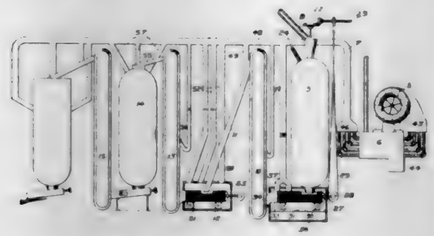
1. A process of making matches having wood splints, comprising wetting the splints and, while wet, pressing their projecting fine surface fibres against the bodies of the respective splints.

1,560,011. CASING SPEAR. JOHN A. YOUNG, Torrance, Calif., and PHILIP M. REA, West Chicago, Ill., assignors to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Oct. 13, 1923. Serial No. 668,293. 7 Claims. (Cl. 294—96.)

1. In a spear, the combination of a mandrel, a plurality of expansible slips carried thereby, holding means in the form of a latch disposed adjacent to the side of the mandrel, said mandrel having a plurality of recesses any one of which may be engaged by the said latch, said recesses cooperating with the latch to enable the slips to be held in a plurality of different set positions corresponding to the different recesses, said latch having an inclined face, and each recess having an inclined face to engage the inclined face of the latch and cooperating therewith to disengage the latch from the recess when the spear is jarred, said mandrel operating to expand the slips to engage the casing.

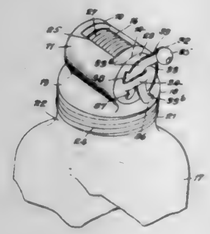


1,560,012. METHOD OF AND APPARATUS FOR CLEANING GRAIN. JOHN ANDREWS, Elizabeth, Pa. Filed Feb. 26, 1923. Serial No. 621,137. 8 Claims. (Cl. 83—28.)



1. The process of cleaning grain which consists in washing it in water, separating it from the bulk of the water by mechanical agitation while forcing air therethrough, and then passing it immediately through a successive series of drying devices, and continuously forcing currents of air therethrough in the agitator and in the drying devices.

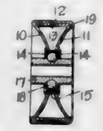
1,560,013. MEASURING STOPPER FOR CONTAINERS. JOSEPH M. ANGELETTI, New York, N. Y. Filed Aug. 14, 1923. Serial No. 657,412. 5 Claims. (Cl. 221—106.)



1. A measuring stopper for containers, comprising an outer chamber with an interiorly threaded cylindrical wall having an inlet and an outlet and having a wall closing one of its ends, an inner chamber of determined proportions having an end wall at the open end of the outer chamber and having an exteriorly threaded cylindrical wall screwed in the outer chamber, the cylindrical wall of the inner chamber having an opening registrable alternately with the inlet and outlet of the outer chamber when the inner chamber is partly rotated, a handle on the end wall of the inner chamber, provided with stops for limiting the rotary adjustments of the inner chamber when its opening registers with either the inlet or outlet of the outer chamber, and means on the outer chamber to allow of being removably fastened to a container so that its inlet registers with the mouth of the container.

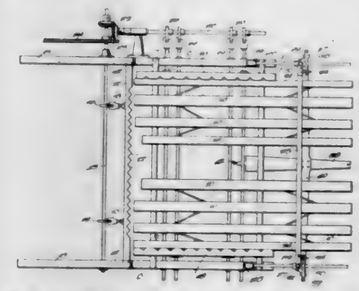
1,560,014. SKATE ROLLER. FRANK E. BILLINGS, Worcester, Mass., assignor to Worcester Stamped Metal Company, a Corporation of Massachusetts. Filed Sept. 25, 1922. Serial No. 590,310. 2 Claims. (Cl. 208—189.)

1. A skate roller comprising a pair of side members having overlapping peripheral flanges forming a double tread portion and having their side portions bent inwardly to form concave discs with axial openings, said discs each having the portion adjacent its axial opening forced axially outward to form a recess on the inner side of said disc, said recess having a straight side wall extending to and surrounded by an annular shoulder, and a straight cylindrical bearing ring of uniform radial



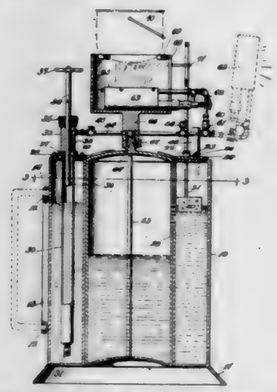
thickness throughout its length secured in said recesses betweeen said disc portions and radially positioned by said shoulders to form the peripheral bearing of a ball race.

1,560,015. LAY BOY. ALBERT BROADMEYER, Harrisburg, Pa., assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa., a Corporation of Pennsylvania. Filed Jan. 12, 1923. Serial No. 612,322. 9 Claims. (Cl. 271—86.)



4. In a lay-boy, the combination with a support for a pile of sheets, of means for delivering sheets to the support, spaced slideways extending rearwardly from the support, heads slidable on the slideways and having upstanding guides, a tail-gate slidably mounted on the upstanding guides, means for elevating the tail-gate to permit the removal of the lower sheets of the pile, means for alining the sheets against the tail-gate.

1,560,016. COMBINED FIRE POT AND BRAZING TORCH. CHARLES E. CHAPMAN, Fort Edward, N. Y., assignor of one-half to Joseph Goodfellow, Fort Edward, N. Y. Filed May 15, 1923. Serial No. 639,173. 6 Claims. (Cl. 158—32.)



4. In a fire pot and torch, a fuel chamber, a pressure chamber, a displacement chamber extending into the fuel chamber and provided at the upper end of said dis-

placement chamber with an extension exteriorly of the fuel chamber, a burner, a discharge pipe connected with said extension and leading direct to the burner, a branch pipe connected with the discharge pipe and emptying into the pressure chamber, a piston reciprocable in the displacement chamber for displacing fuel upwardly through said extension and through the discharge pipe to the burner and through said branch pipe into the pressure chamber simultaneously, a valve in the discharge pipe between the branch pipe and burner for shutting off flow of fuel to the burner, and a valve in the branch pipe for shutting off flow of fuel through said branch pipe.

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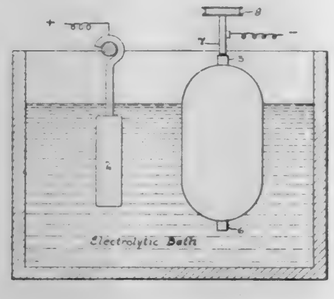
1,560,017. METHOD OF MAKING METALLIC FLOATS. CHESTER C. CLELAND, Cleveland Heights, and JOHN C. MULLINNIX, Cleveland, Ohio, assignors to The Reliance Gauge Column Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 14, 1924. Serial No. 749,841. 2 Claims. (Cl. 204—6.)




1. In a process for making an article of the character described, the steps which consist in partially immersing a suitable core, in an electrolytic bath, electro-depositing a metal coating on the immersed portion of such core, then reversing the position of the latter, electro-depositing another coating, and so on until an integral shell of varying thickness is built up, substantially as described.

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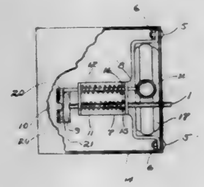
1,560,018. SAVINGS BANK. MENEFEE R. CLEMENTS, South Bend, Ind. Filed Oct. 18, 1924. Serial No. 744,407. 1 Claim. (Cl. 194—69.)



In a device of the class described, the combination of an enclosing casing, a stem set, stem wound watch mounted therein, the winding stem of said watch having notches cut vertically therein, said watch being mounted in said enclosing casing by means of a combination support and carrier bracket, a locking bar passing through two points of said carrier and support bracket and engaging vertical slots of said winding stem, said locking bar being held in the locked position by means of a spring, said locking bar being a combination locking bar and coin bracket, said coin bracket being integral with locking bar, said coin bracket having a central vertical wall, the upper portion being composed of two separate and individual toes, said toes being bent backward at an angle off the central vertical portion, the lower portion of said coin bracket being bent forward at an angle of 90° off the central vertical portion, said portion forming a ledge, said ledge being horizontal to the central vertical portion, said ledge catching coin when dropped through said enclosing casing, said toes of the upper angular portion being bent at such an angle as to allow a coin pressed against said toes to drop free of said retaining ledge, a shaft passing through said carrier bracket and being held in an outward position, projecting on the outside of said enclosing casing, by means of a spring, said shaft when moved in an inward position passes between toes of said coin bracket, said coin bracket containing a coin obstructing space between said toes, causing said coin bracket to be moved backwards by said shaft engaging a coin in said coin bracket thereby releasing said locking bar from said slots of said winding stem, permitting winding of said watch movement.

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1,560,019. TRIP REAMER. ROY E. COOPER, Shidler, Okla. Filed Apr. 15, 1925. Serial No. 23,320. 6 Claims. (Cl. 255—76.)

1. A reamer comprising a shank having its upper end adapted for connection with an operating element and its lower end portion provided with forks, and arms each including an elongated body having a flat inner face adapted to contact with the flat inner face of the other arm when the arms are swung towards each other and a head portion having a flat inner side face disposed at right angles to the flat inner face of the body said head portion extending beyond the flat inner face of the body to provide an overhanging shoulder and depending abutment face, said body having its upper end projecting from the flat inner side face of the head portion to provide an upper end face constituting an abutment shoulder for engaging the overhanging shoulder of the other arm and having a flat side edge face for engaging the depending abutment face of the other arm, the extreme upper ends of the heads being externally reduced to provide hinge ears fitting between said forks, and a pin passing through said forks and ears to pivotally mount the arms.

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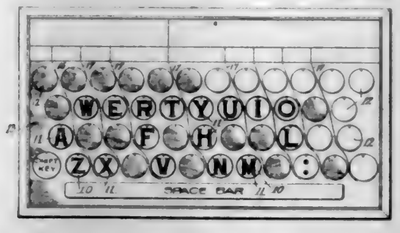
1,560,020. DEVICE FOR TEACHING THE TOUCH SYSTEM OF TYPEWRITING. FRANCIS X. CURLEY, Worcester, Mass. Filed Dec. 6, 1924. Serial No. 754,413. 3 Claims. (Cl. 35—16.)

1. In a device for teaching the touch system of typewriting, the combination with a bank of typewriter keys, of a device detachably mounted on each key and adapted



to be reversed and having on one side a character like the character represented by the key and having the other side blank, whereby any number of these devices




can be turned over on the blank side to conceal the characters and permit of the student's practicing on the particular ones concealed.

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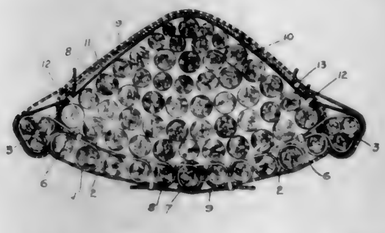
1,560,021. LOG RAFT. GILBERT G. DAVIS, Portland, Oreg. Filed Mar. 13, 1924. Serial No. 699,092. 3 Claims. (Cl. 9—15.)



1. A log raft comprising a raft floor, of longitudinally disposed logs and a superimposed load of logs bound upon the raft floor, the binding means of the superimposed load to the floor consisting of ropes fastened to one of the intermediate logs forming the floor and passed under the floor in opposite directions and up and over the load and fastened back upon themselves to the side logs of the raft.

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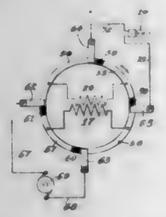
1,560,022. TRANSFORMER-DIMMING METHOD AND APPARATUS. HARVEY CLINTON DEAN, Brooklyn, N. Y. Filed Jan. 6, 1922. Serial No. 527,506. 17 Claims. (Cl. 175—312.)



1. In combination, a lamp, a source of electrical energy, circuit connections for the lamp and source, a transformer having primary and secondary windings interposed in the circuit, with the secondary connected to the lamp and the primary to the source, means for moving said windings relative to each other thereby to vary the inductive coupling therebetween, and means controlled by the moving means to connect the lamp with the source directly at the end of said relative movement in one direction.

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1,560,023. SHOE. HENRY DENNERT, Newport, Ky. Filed Nov. 22, 1924. Serial No. 751,453. 2 Claims. (Cl. 36—71.)

1. In a shoe, a strap interposed between the upper and lining of said shoe and adapted to extend upwardly around the arch from the shank, the end of said strap extending through openings in said lining and being provided with holes through which the shoe lace may be threaded.

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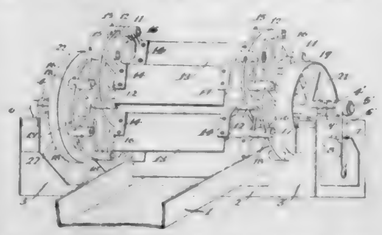
1,560,024. UNDERSHOT WATER WHEEL. CHESTER P. DENNHARDT, Los Angeles, Calif. Filed July 3, 1923. Serial No. 649,298. 3 Claims. (Cl. 170—151.)



1. In a water wheel, a pair of adjustably fixed end shafts provided with offset shafts supporting paddle-carrying wheels, a crank wheel on each end shaft, a paddle-carrying wheel on each offset shaft, and offset means connecting said offset shafts.

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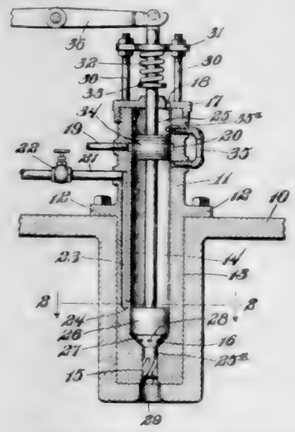
1,560,025. PUMPLESS INJECTION VALVE FOR DIESEL ENGINES. JACOB DE YOUNG, Providence, R. I. Filed Mar. 17, 1925. Serial No. 16,231. 8 Claims. (Cl. 123—33.)



1. In an injection nozzle for Diesel engines, a cylinder having a bore reduced at one end to form a valve seat, a fuel inlet for the cylinder in the major portion of the bore and in spaced relation to such valve seat, a piston valve fitting the cylinder and having one face

thereof adapted to coact with the valve seat, the piston valve having longitudinal bores opening through such face, said valve having a continuation fitting the reduced portion of the bore, the continuation at a point spaced from the piston valve a distance greater than the distance between the upper face of the piston valve and the remote side of the filling port being provided with grooves extending to the end thereof, means for holding said piston valve in engagement with said seat and means for shifting the piston valve out of engagement with said seat.

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1,560,026. GAME. VINCENT C. DICKSON, Seattle, Wash. Filed Nov. 17, 1924. Serial No. 750,378. 1 Claim. (Cl. 273—96.)

A game comprising a panel having a handle formed at one end, the panel being provided with a series of openings, and such openings being arranged in V-shaped formation, and a plurality of numbered balls adapted to be bounced upon the ground to be caught in any one of the pockets, and the pockets being provided with numbers.

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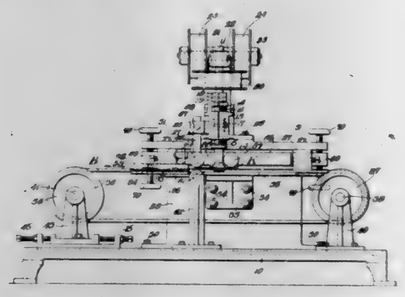
1,560,027. TAP-SPLITTING MACHINE. JOHN F. DONNELLY, Brockton, Mass., assignor to Panco Rubber Company, Chelsea, Mass., a Corporation of Massachusetts. Filed Mar. 3, 1925. Serial No. 12,978. 5 Claims. (Cl. 69—16.)



1. A tap splitting machine having a disk knife and means for rotating it, tap feeding means comprising a travelling belt, and a feed roll pressing the tap against the belt to carry the tap past the knife.

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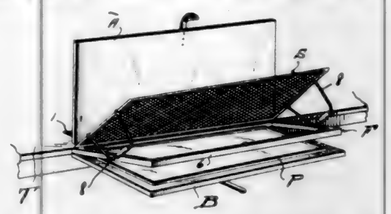
1,560,028. DOUGHNUT-TRANSFER DEVICE. JOHN B. DOYLE, Biddeford, Me. Filed Apr. 30, 1925. Serial No. 26,980. 2 Claims. (Cl. 214—1.1.)

1. A device for transferring doughnuts or the like to a dipping screen comprising, in combination, with a support, a board pivotally engaged with the support, a second board pivotally engaged with the support and adapted to be swung in a position overlying the first named board, a frame adapted to be applied between



the boards and to surround a pan mounted on one of the boards and a dipping screen to be supported over the pan by the frame.

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1,560,029. HANGER. CHARLES F. ERICKSON, New York, N. Y. Filed June 6, 1924. Serial No. 718,382. 1 Claim. (Cl. 40—145.1.)

A hanger comprising a body member having an annular flange, a yieldable disk seated within the annular flange and adhesively secured to the back of said body member, an adhesive surface formed on the exterior face of said disk, and a supporting hook stamped from said body member and extending from the front of the same.

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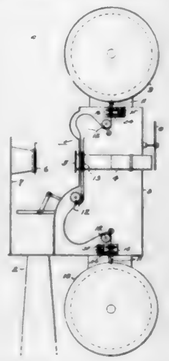
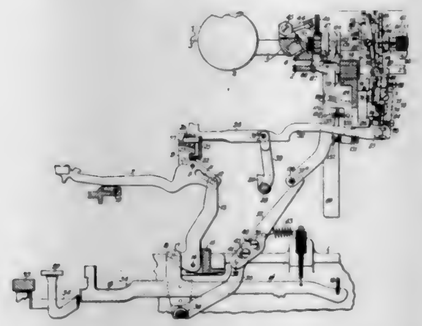
1,560,030. FIRE-EXTINGUISHING ATTACHMENT FOR MOTION-PICTURE MACHINES. GEORGE L. FARRAR, Columbus, Ohio. Filed Mar. 2, 1925. Serial No. 12,523. 4 Claims. (Cl. 88—17.)



1. A fire extinguishing attachment for motion picture machines comprising a frame, a block slidably mounted on said frame, a stationary roller mounted on said frame, a second roller cooperative with said first named roller and carried by said block, spring means acting on said block to maintain said rollers in mutual contact, and supplemental spring means cooperative with said rollers for permitting of slight relative separation independently of said first named spring means.



1,560,031. TYPEWRITING MACHINE. EDWIN E. BARNEY, New Rochelle, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Feb. 4, 1924. Serial No. 690,382. 40 Claims. (Cl. 197—82.)



1. In a typewriting machine, the combination of a power driven carriage, an escapement wheel, a key operated dog rocker, dogs mounted on said dog rocker and co-operative with said escapement wheel, and means separate from said dogs for operatively connecting said dog rocker with said carriage.

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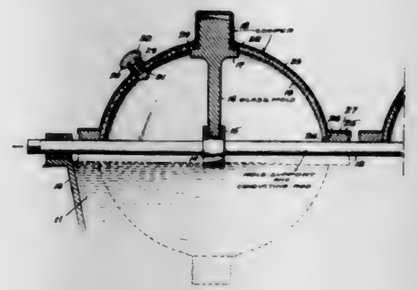
1,560,032. METHOD OF FORMING METAL REFLECTORS AND APPARATUS THEREFOR. BLASIUS BART, East Orange, N. J. Filed Sept. 23, 1921. Serial No. 502,679. 23 Claims. (Cl. 204—11.)



1. In the art of forming a metallic reflector with a threaded socket for receiving the light bulb, the method which consists in assembling a glass mold with an opening therethrough, inserting a threaded plug in said opening, screwing a preformed threaded socket onto the plug and forcing the plug into bearing engagement with the part of the mold outlining the opening, depositing a layer of silver on the mold, extending the layer up to the preformed socket and covering the silvered surface and the socket with a backing of copper electrolytically deposited to give strength to the reflector and to secure the performed socket in place.

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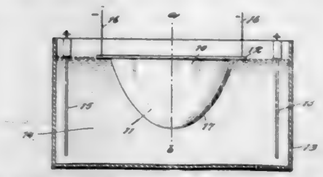
1,560,033. METHOD OF GRINDING GLASS MOLDS. BLASIUS BART, East Orange, N. J. Filed Jan. 11, 1923. Serial No. 612,133. 3 Claims. (Cl. 51—278.)

1. An improvement in the art of producing three-dimension facsimiles, accurate to molecular proportions, which consists in the formation of a succession of metal shells by molecular precipitation of each directly upon the same mold, and abrading an article having the general contour of said mold by the application of one after another



of said shells until a correspondence such as exists between the mold and shells is attained between the abraded article and an unabraded shell.

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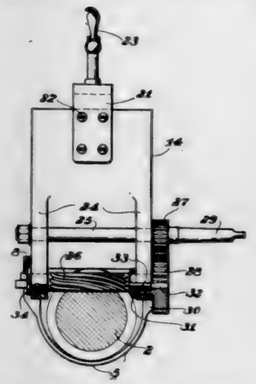
1,560,034. PORTABLE MILLING MACHINE. HUMPHRIES W. BREWER, Dubois, Pa. Filed Aug. 25, 1924. Serial No. 733,879. 1 Claim. (Cl. 90—12.)



In combination in a machine for milling transverse slots in crank pins, a bed plate having a longitudinal recess for fitting around the pin to be slotted and a guide member extending at right angles to said bed plate and rigid therewith, a tool carrier slidably mounted on said guide member for movement toward and from said pin, and provided at one end upon its front face with a pair of parallel ribs, a drive shaft and milling cutter shaft provided with a milling cutter mounted alongside each other in said ribs with the end of the milling cutter shaft of angular cross-section extending through one of the ribs, a spur gear on the outer side of said rib and having a hub fitting over said end of the shaft and extending through the rib, a nut threaded on the hub on the inner side of the rib, and a pinion on the drive shaft engaging said spur gear.

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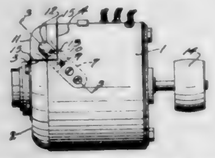
1,560,035. MOTOR-CASING CLOSURE. WILLARD C. BRINTON, New York, N. Y., assignor to Terminal Engineering Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 16, 1921. Serial No. 522,835. 2 Claims. (Cl. 172—36.)



1. In a motor casing a cylindrical portion enclosing a motor body, an end portion affixed to said cylindrical portion and adapted to enclose the commutator end of

the motor, a removable section of said end portion bounded by planes perpendicular to the axis of the cylindrical portion and parallel thereto respectively, lugs within said casing by which the removable section is held and holding means for securing the section to the end portion substantially bisecting the angle between said planes.

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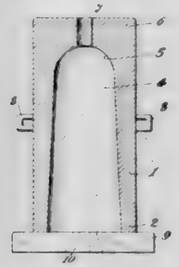
1,560,036. METHOD AND APPARATUS FOR CASTING INGOTS. WILLIAM POWELL BROWN, Black Lick, Pa., assignor to Valley Mould & Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Mar. 25, 1922. Serial No. 546,649. 14 Claims. (Cl. 22—141.)



1. The method of casting steel ingots or the like which comprises forming a mass of molten steel into the shape of an ingot with the major axis thereof substantially vertical; chilling substantially the entire exterior of the ingot to form a frozen steel shell around the mass, and causing the chilling to progress downwardly and inwardly with the progress in the downward direction being at a higher rate than the progress in the inward direction.

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1,560,037. FOUR-WHEEL BRAKE FOR AUTOMOBILES. JAY BUSHEY, New York, N. Y. Filed Aug. 25, 1923. Serial No. 659,365. 3 Claims. (Cl. 188—106.)

1. A four wheel brake for automobiles comprising a brake adapted to be applied to each wheel, a foot lever, a hand lever, a sub-lever pivoted intermediate its ends, operative connections between the opposite ends of said sub-lever and the front and rear wheel brakes respectively, means connecting the foot lever to the sub-lever, and a lost motion connection between the hand lever and the sub-lever, whereby power may be applied to the sub-lever through the foot lever alone for operating all four brakes or simultaneously through the foot lever and the hand lever.

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1,560,038. BLASTING PROCESS AND MEANS THEREFOR. FRANK W. CAMP, San Francisco, Calif. Refile of application Serial No. 572,290, filed July 1, 1922. This application filed Feb. 2, 1925. Serial No. 6,497. 8 Claims. (Cl. 102—6.)

1. The method of blasting refractory formation which consists in dropping a weighted charge container into said formation, removing the weight, and exploding the charge.

3. The blasting process for breaking up refractory formations which consists of loading a charge of explosive into a casing adapted to be driven into the ground and then igniting a time fuse connected with exploding means

within said charge and then inserting the said casing in a weighted driving member and then dropping said member and said casing from a height whereby the casing is driven into the refractory material and then withdrawing the driving member before explosion of the charge.

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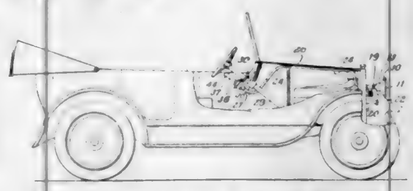
1,560,039. SPOTLIGHT. JOHN B. CASTINO, Chicago, Ill. Filed July 26, 1924. Serial No. 728,289. 11 Claims. (Cl. 240—61.)



1. In combination a lamp, a support therefor, a universal joint connection between the lamp and the said support, said joint having a passage therethrough an operating handle for imparting a universal movement to the lamp with respect to its support, said handle being detached from and remote from the lamp and support, and flexible elements operatively connecting the said handle with the lamp and extending through the said joint.

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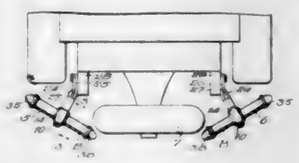
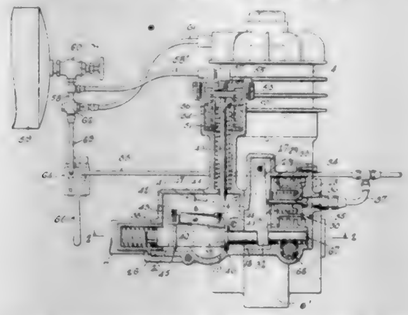
1,560,040. AUTOMOBILE BUMPER. FLOYD D. CERF, Chicago, Ill., assignor to Automobile Equipment Manufacturing Corporation, Chicago, Ill., a Corporation of Illinois. Filed Feb. 9, 1925. Serial No. 7,734. 7 Claims. (Cl. 293—55.)



6. In an automobile bumper, a tubular bumping member, an end cap therefor, the end of the bumping member entering said cap and the cap having a raised bead surrounding the end of the bumping member, and means passing through said bead for securing said cap and member together.



1,560,041. COMPRESSOR CONTROL. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed Apr. 9, 1924. Serial No. 705,364. 5 Claims. (Cl. 230—24.)



1. The combination with a pressure system, a compressed air reservoir supplying air to said system, a drive shaft and a compressor connected with said reservoir, of a clutch for operatively connecting or disconnecting the compressor with said shaft, clutch-shifting means, means tending to move said clutch-shifting means to shift the clutch out of engagement with said shaft, means operable by the pressure in said pressure system for moving said clutch-shifting means to shift the clutch into engagement with said shaft, a latch for holding the clutch in engagement, a latch for holding the clutch out of engagement, and means responsive to the pressure in the reservoir for controlling the operation of said latches.

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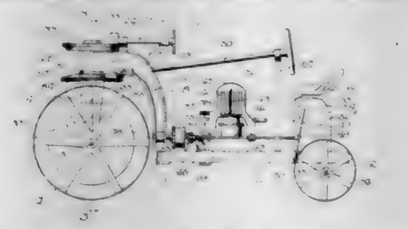
1,560,042. TRACTOR. GREGORY C. DAVISON, New London, Conn. Filed Nov. 24, 1919. Serial No. 340,229. Renewed Apr. 5, 1924. 6 Claims. (Cl. 180—26.)



1. In a machine of the class described, a relatively low main frame, an arched arm projecting forwardly and upwardly from the forward end of said relatively low main frame, a bearing head adjacent the forward end of said arched arm, a wheel carrying member revolvably journaled in said bearing head, a driving wheel carried by said member, a relatively large gear connected to drive said wheel, a shaft extending axially thru the wheel carrying member, said shaft having a relatively small pinion on its lower end in driving engagement with said relatively large gear, a relatively large gear on the upper end of said shaft, a second shaft arranged normal to said first shaft and having a relatively small pinion at its forward end in driving engagement with the relatively large gear on the upper end of said first shaft, a sprocket at the opposite end of said second shaft, a motor mounted on the main frame with its drive shaft extending longitudinally and journaled at its forward end in the arched arm projecting from the relatively low main frame, a clutch on said shaft, a sprocket on said clutch, a chain connecting said last named sprocket with the sprocket on said second shaft, a gear on the wheel-carrying member, and a shaft having a pinion at its forward end in mesh with said gear, said shaft extending back between runs of the chain connecting the motor shaft and the second shaft, and being adapted for manually turning the wheel-carrying member to steer the machine and reverse the direction of movement thereof.

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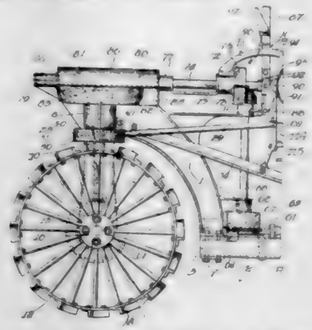
1,560,043. TRACTOR. GREGORY C. DAVISON, New London, Conn. Filed Apr. 17, 1920. Serial No. 374,544. 3 Claims. (Cl. 180—1.)



1. In a tractor the combination of a frame, a drive wheel, a shaft having driving connection with said drive wheel, a pair of driving members on said shaft, an axially shiftable driving shaft and a pair of driving members each mounted on said shaft for rotation and axial movement therewith, one of said last driving members meshing with one of said first driving members and providing high speed forward and high speed reverse of the drive wheel and the other of said last driving members meshing with the other of said first driving members and providing low speed forward and low speed reverse of the drive wheel, one of said last driving members being shifted out of mesh with its cooperating driving member and the other into mesh with its cooperating driving member upon axial shifting of the shaft in one direction and the first of said last driving members being shifted into mesh with its cooperating driving member and the other out of mesh with its cooperating member upon axial movement of the shaft in the opposite direction.

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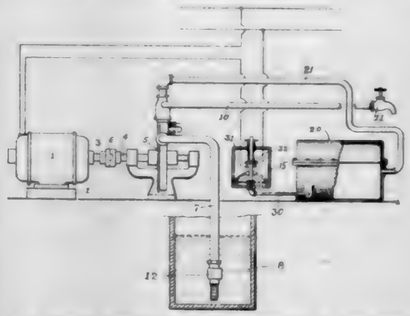
1,560,044. LIQUID SUPPLY SYSTEM. WILLIAM I. DERRICK, Moline, Ill., assignor to Westco-Chippewa Pump Company, Davenport, Iowa, a Corporation of Delaware. Filed July 3, 1922. Serial No. 572,541. 5 Claims. (Cl. 103—25.)



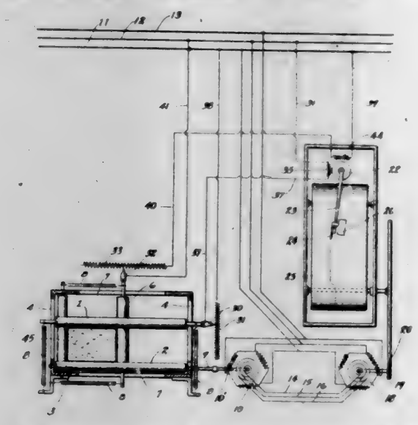
1. A liquid supply system comprising in combination a pump, a suction conduit extending from said pump to the source of supply, a discharge conduit leading from the pump, means for driving said pump, a pressure operating device for controlling said driving means, an accumulator interposed between said discharge conduit and said pressure operating device, said accumulator comprising a plurality of chambers, one of said cham-

bers containing a gas and being separated from the other chamber by a fluid tight medium, said medium being adapted to transmit pressure from one chamber to the other.

1,560,045. METHOD OF TREATING FLOUR. FREDERICK L. DUNLAP, Chicago, Ill., assignor to Industrial Appliance Company, Chicago, Ill., a Corporation of Illinois. Filed July 25, 1923. Serial No. 653,819. 12 Claims. (Cl. 99—10.)

1. Treatment of wheat flour to produce a shortening effect which consists in increasing the intensity of acidity of the flour to a point above the optimum intensity for bread making.

1,560,046. METERING OR MEASURING DEVICE. IRA DYE, Seattle, Wash. Filed Nov. 12, 1924. Serial No. 749,474. 2 Claims. (Cl. 234—1.)



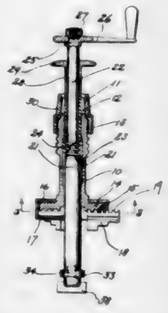
2. A metering device of the character described comprising, in combination, an electric circuit, a pair of horizontal rollers and a pair of vertical rollers between which pieces of material are advanced for measurement; one roller of each pair being movable from and toward the other in accordance with the width and thickness of pieces measured, an electrical contactor for each movable roller, a resistance element for each contactor and along which said contactors are adjustable to vary the resistance inversely as the distance between the paired rollers, a record strip, means operable by one of said rollers for advancing the record strip proportional to the length of pieces of material measured, and a watt meter having connections with the circuit through the two resistance elements having a recording element operable on the record strip and which is movable in accordance with the amount of resistance placed in the circuits.

1,560,047. IDENTIFICATION CERTIFICATE. JEFFERSON P. EDWARDS, Akron, Ohio. Filed Oct. 26, 1923. Serial No. 670,861. 1 Claim. (Cl. 283—7.)

In a card system of identification, in combination, a validating certificate provided with indicia designating the validating organization by which one or more of said certificates are issued to one or more depositaries thereof, and also bearing only a validator's signature and finger print to establish authentic orgin of the certificate and no identification of the bearer, the said finger print disposed in a panel occupying a portion of one end of the certificate, and an identification bearer's certificate provided with indicia corresponding with that of the validating certificate including the validator's signature and finger print for comparison with those on the validating certificate, and also having thereon the bearer's signature and finger print to be compared with those of the bearer to be submitted on demand, the validator's finger print of the identification certificate being located in a panel also occupying a portion of one

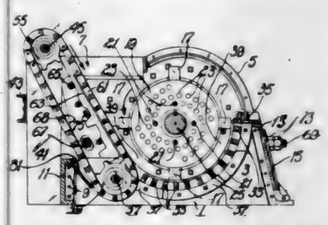
end of said certificate in a position corresponding to that of the validator's finger print upon the validating certificate so that when superposed upon the validating certificate the two aforesaid panels will be close together.

1,560,048. VALVE RESEATER. HERMAN H. FINGERLE, New York, N. Y. Filed Jan. 8, 1924. Serial No. 684,938. 3 Claims. (Cl. 90—12.5.)



1. A valve reseater comprising a cylindrical body having a conical upper end, said conical end being slitted to give resiliency thereto, a sleeve insertable in said body, a threaded cap adapted to secure the sleeve in place, a spindle rotatable in said sleeve and body, a crank on said spindle, a spring on said spindle beneath the sleeve and adapted to urge said spindle downwardly, a hollow threaded base, the spindle passing thru said threaded base, diametrically opposed arcuate blades on said threaded base, and means engaging said blades for securing the thread base to the body.

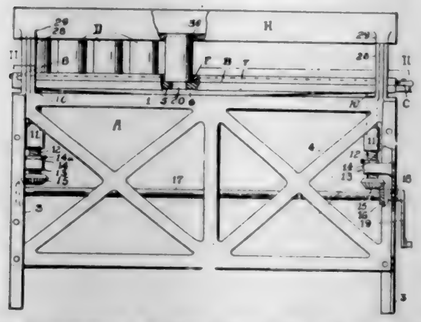
1,560,049. CRUSHER. EDWARD H. FRICKEY, St. Louis, Mo. Filed Dec. 5, 1924. Serial No. 754,206. 7 Claims. (Cl. 83—11.)



1. In a crusher of the type described, the combination of rotary crushing elements, an endless chain of movable impact plates cooperating therewith and adapted to receive the impact of blows of said elements on material being crushed, and a platen backing said chain at the point of impact.



1,560,050. APPARATUS FOR FILLING CONTAINERS. RALPH W. GEARHART, Clearfield, Pa., assignor to Gearhart Sales Cabinet Co., Inc., Clearfield, Pa., a Corporation of Delaware. Filed Apr. 17, 1924. Serial No. 707,048. 10 Claims. (Cl. 226—93.)



3. In apparatus for filling containers with semi-solid and other substances, the combination of a table having a top surface upon which the empty containers are placed, a filling receptacle supported above said table and having its bottom provided with a plurality of apertures adapted to receive the upper ends of the containers mounted on said table, connections for causing relative movement between said table and receptacle whereby after the containers are mounted on said table their filling ends may be inserted into said apertures, a plurality of clamping plates mounted to slide parallel to the surface of the table and having their adjacent edges recessed to form means for engaging the containers laterally, a stationary member against which one end plate bears, a movable member bearing against the opposite end plate whereby said plates may be clamped in position to spot the containers relative to the apertures, means for adjusting the position of the stationary member, and a movable member bearing against the opposite end plate, and means for forcing the movable member toward the stationary member whereby the containers may be clamped in spotted relation to said apertures.

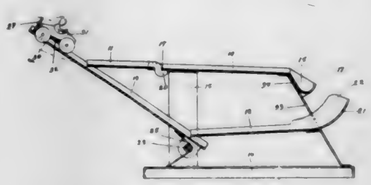
4. In apparatus for filling containers with semi-solid and other substances, the combination of a table upon which the empty containers are placed, a filling lid supported above the table and provided with orifices to receive the upper ends of the containers, connections for causing relative vertical movement between the table and the lid, members slidably mounted on said table and recessed to engage said containers to hold them in place, means for clamping said members in operative position, and means for adjusting the operative position of said members to properly spot the containers relative to the orifices in the lid.

5. In apparatus for filling containers with semi-solid and other substances, the combination of a filling table on which the empty containers are mounted, a filling lid mounted above said table, said lid being provided with apertures to receive the upper ends of the containers, connections whereby relative vertical movement may be caused between the table and the lid when the latter is horizontally disposed whereby the upper ends of the containers may be inserted in the apertures for the filling operation and may be withdrawn from the apertures after the containers are filled, and a filling hopper slidably mounted on said lid whereby the contents of said hopper is fed down through the apertures into said containers.

1,560,051. STRUT ROD. CHARLES GITZENDANNER, Brooklyn, N. Y. Filed Feb. 21, 1922. Serial No. 538,311. 5 Claims. (Cl. 267—66.)

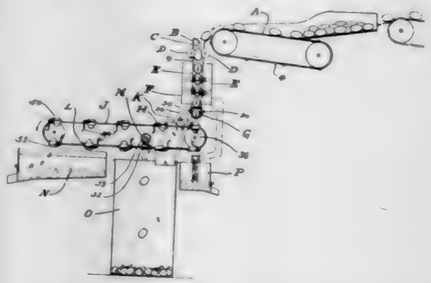
1. In an automobile, front axle and two longitudinal sills spring mounted thereon, two strut rods rigidly secured to the axle each having a rearwardly extending straight portion and an integral reversed curved rear spring portion, the rear end terminating in a flat horizontal portion lying against the surface of the underside of the sill and having an extended bearing thereon, and means to rigidly clamp said rear end to the under side of the sill.

1,560,052. MECHANICAL TOY. LESTER S. GUNDERMAN, Pittsburgh, Pa. Filed Feb. 6, 1925. Serial No. 7,247. 12 Claims. (Cl. 104—55.)



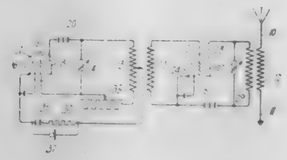
1. A toy comprising an upper track, lower track of greater length than upper track, means for elevating the end of one section of the lower track and to elevate object to travel on the track by gravity, the elevating of one end of the lower track serves to elevate the object from the lower track to the upper track from whence it rolls in one direction and then reverses and rolls in an opposite direction to return to position to be again elevated.

1,560,053. EGG MACHINERY AND PROCESS. HARRY E. HARKIN, Ridgefield Park, N. J., assignor to Egg Machinery Company, Inc., a Corporation of New Jersey. Filed Dec. 15, 1922. Serial No. 607,192. 46 Claims. (Cl. 146—2.)



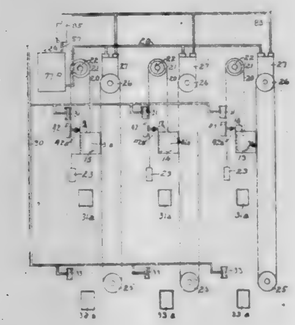
1. A method of separating the contents of eggs from the shell, comprising the positioning of an egg with its axis vertical, forming an aperture in the side of the egg, passing the egg into an upright receiver, spinning the egg and expelling the albumen, and automatically controlling the removal of the egg from the spinning container.

1,560,054. MODULATED-WAVE TRANSMISSION. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Sept. 21, 1915, Serial No. 51,761, Patent No. 1,343,562, dated June 15, 1920. Divided and this application filed June 4, 1920. Serial No. 386,451. 9 Claims. (Cl. 179—171.)



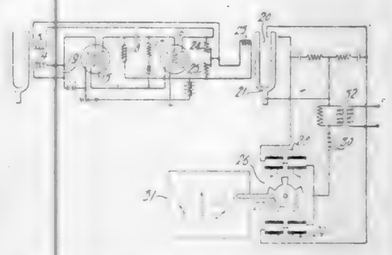
1. A modulating system comprising an electron discharge device, means including a tuned frequency-determining loop circuit associated therewith whereby said device generates high frequency oscillations of a definite frequency determined principally by the tuning of said circuit, means including a device for translating sound waves into electrical variations for causing the oscillations generated thereby to vary in accordance with said sound waves, and a resistance in the tuned frequency-determining circuit of such a value as to restrain to a comparatively small intensity the oscillations produced.

1,560,055. ELEVATOR TRANSMISSION SYSTEM. MYRON F. HILL, New York, N. Y. Filed Oct. 19, 1922. Serial No. 595,509. 47 Claims. (Cl. 187—52.)



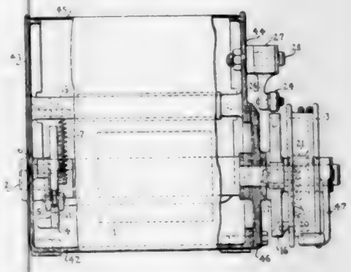
15. In an elevator system, an elevator shaft, a shaft door, a floor level thereat, an elevator car, a floor level therein, an air supply and conduits for the shaft, air operated devices for the car, conduits on the car leading to the air operated devices, and transfer devices between the shaft conduits and the car conduits to pass compressed air from one to the other, including a member on the shaft and a member on the car, located to interconnect to transfer air, a support for one of said devices having a limited lateral freedom of movement, a channel on the other member to receive it, valve means on the car transfer member within said range automatically opened, and a valve in the shaft member, said shaft valve located in the wall of the said channel, said car member supported against air pressure displacement by the channel wall opposite said valve wall.

1,560,056. SOURCE OF WAVES OF CONSTANT FREQUENCY. JOSEPH W. HORTON, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 1, 1923. Serial No. 635,901. 25 Claims. (Cl. 250—1.)



1. The combination of an alternating current generator, a tuning fork relay having a fundamental frequency equal to the frequency of the generator and driven by current therefrom, and a work circuit coupled to the relay.

1,560,057. CIRCUIT CONTROLLER. RICHARD B. HUNTER, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 6, 1922. Serial No. 534,467. 11 Claims. (Cl. 254—173.)



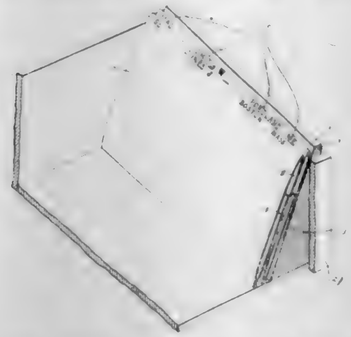
1. In a motor controller, the combination with a control element movable in opposite directions from an intermediate position to establish reverse power connections for the motor, an operating member for said element movable with respect thereto, a releasable connection between said member and said element including co-operating latching parts, one fixed to said element and the other movable with said operating member and a tripping member normally in an intermediate position and movable in opposite directions from such position to trip said second mentioned latching part.

1,560,058. CARD INDEX. JOHN JAMIESON, Portland, Me. Filed June 8, 1923. Serial No. 644,137. 2 Claims. (Cl. 129—16.5.)

1. A filing card adapted to be placed edgewise with other like cards in a container, said card being composed of a flexible sheet folded on two parallel lines with the edge portions overlapping and with one edge portion extending upwardly inside the other edge portion and terminating an appreciable distance between the upper fold, the front surface of the card adjacent the upper fold bearing suitable indicia, the arrangement being such that in a series of said cards grouped in a container, the upper edge portion of each card is spaced from the corresponding portion of the next card, to

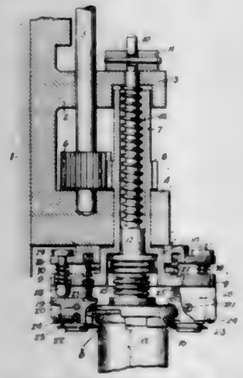


permit the reading of indicia on said upper edge portion, the said folds forming the upper and lower edges of the card, the member forming the front side of the body



being bulged outward below the upper fold, and including the said indicia-bearing portion, the card being provided with a reinforcing strip holding said indicia-bearing portion in an inclined position.

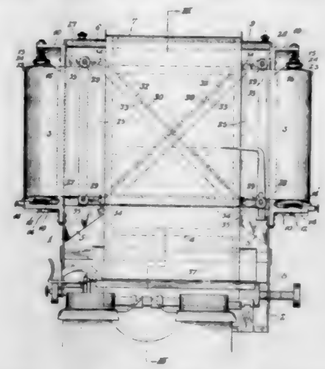
1,560,059. HEAD FOR SPINNING CLOSURES ON BOTTLES, JARS, AND THE LIKE. JOHN A. JOHNSON, New York, N. Y. Filed Feb. 25, 1925. Serial No. 11,497. 4 Claims. (Cl. 226—87.)



1. A head for spinning closures on containers comprising a slide block, a sleeve vertically slidable therein and terminating in its lower end in a frame, means for revolving said sleeve, a block swingingly mounted in the lower part of said frame, a spinning disk revolvably mounted on said block and adapted to contact with a closure, a ring on said frame between it and the block, yieldable means for normally separating the frame and ring, a button mounted on said ring and adapted to bear against the outer end of the swinging block, a plunger mounted on the slide block within the sleeve, the lower end of which is adapted to bear on a closure top, and means on said plunger for exerting a sealing pressure on a closure.

1,560,060. CARBON-PAPER FEEDING DEVICE FOR DUPLICATING TYPEWRITING MACHINES. EDWARD PHILIP KECK, Cleveland, Ohio, assignor to Arthur S. Gilman, Cleveland, Ohio. Filed July 19, 1923. Serial No. 652,509. 5 Claims. (Cl. 197—134.)

1. In a device of the class described, the combination of means for guiding a plurality of manifold forms and mounted upon the platen-carriage of a typewriting machine; a carbon-roll mounted upon said guiding means laterally thereof, and having its axis extending in the direction of feed of said forms, a carbon-sheet guide having one end secured to the form-guide frame; said carbon-sheet guide having a guiding surface extending

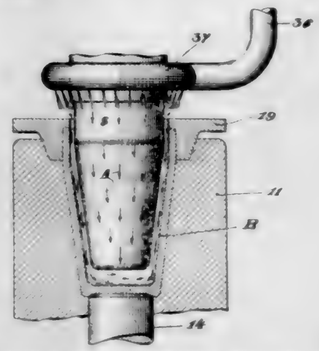


at an angle of forty-five degrees, with reference to the direction of travel of said forms, whereby the carbon-sheet from said roll may be fed in such direction of travel and means for transversely adjusting said carbon-sheet guide to accommodate manifold forms of various widths.

1,560,061. SELF-FILLING FOUNTAIN PEN. HERBERT W. KISH, Chicago, Ill. Filed Nov. 19, 1924. Serial No. 750,771. 6 Claims. (Cl. 120—46.)

1. A flexible writing fluid container adapted for use with fountain pens having reinforcing wires embedded and extending longitudinally thereof.

1,560,062. METHOD AND APPARATUS FOR COOLING GLASSWARE AND THE LIKE. PETER KUCERA, Pittsburgh, Pa., assignor to Capstan Glass Company, South Connellsville, Pa., a Corporation of Delaware. Filed Mar. 12, 1920. Serial No. 365,154. 24 Claims. (Cl. 49—40.)



1. The method of cooling pressed glassware and the like which comprises forming an article by pressing a suitable charge between movable shaping members, with-

drawing certain of the shaping members from the finished article and maintaining a cooling medium under pressure between the articles and the withdrawn member during the entire time the member is leaving the article and with the space between the article and the withdrawn member open to atmosphere.

24. Glass shaping mechanism comprising a pair of cooperating mold members, means to bring said mold members together to mold a glass article, means to separate said mold members after the article has been formed, and means to circulate a cooling fluid into and out of the article while the mold members are being separated.

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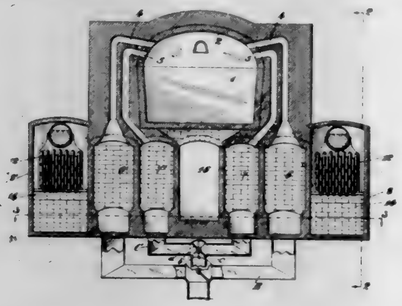
1,560,063. METHOD AND APPARATUS FOR CONSERVING HEAT FROM INDUSTRIAL FURNACES. PETER KUCERA, Connellsville, Pa., assignor to Capstan Glass Company, Connellsville, Pa., a Corporation of Delaware. Filed Aug. 14, 1920. Serial No. 403,558. 10 Claims. (Cl. 122—7.)



1. The method of operating an industrial furnace and a pair of boilers in conjunction which comprises storing a portion of the heat of the products of combustion of the furnace; during alternate intervals using a further portion of the heat of the products of combustion to heat the first boiler and utilizing fresh fuel to heat the second boiler; and during intermediate intervals utilizing a further portion of the heat of the products of combustion to heat the second boiler and utilizing fresh fuel to heat the first boiler.

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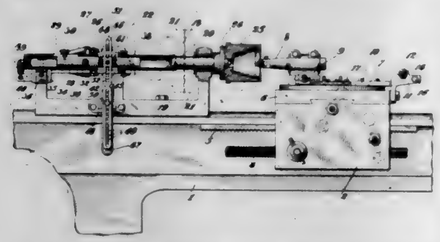
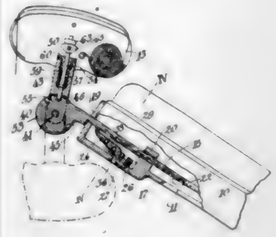
1,560,064. FORMING MACHINE. PETER KUCERA, South Connellsville, Pa., assignor to Capstan Glass Company, Connellsville, Pa., a Corporation of Delaware. Filed Dec. 10, 1921. Serial No. 521,315. 22 Claims. (Cl. 82—14.)



2. A machine for forming shapes comprising a pattern, a tool guided by said pattern, a taper bar to cause said tool to vary laterally from the normal path of the tool as controlled by said pattern, means to adjust said taper bar, a travel control lever for controlling the effective length of the pattern, and means to adjust said lever to predetermine the effect thereof upon the final form.

1,560,065. HEADREST FOR BARBER OR LIKE CHAIRS. GIUSEPPE CARMELO LARAIA, New York, N. Y. Filed June 9, 1921. Serial No. 476,173. 9 Claims. (Cl. 155—177.)



1. In combination, a barber or like chair head-rest, a pivotal connection for said head-rest, and means for locking said head-rest in different positions around said pivotal connection, said means comprising a locking pin, operating means mounted transversely of said locking pin and projecting at the side of said head-rest, said operating means comprising a rock shaft, and a part adapted to engage said locking pin for sliding said pin into and out of locking position.

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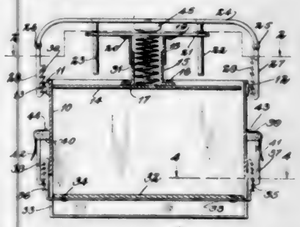
1,560,066. HAM BOILER. RICHARD LIPPERT, New York, N. Y. Filed May 18, 1925. Serial No. 31,083. 4 Claims. (Cl. 100—57.)



1. A ham boiler comprising a container, a movable top plate and a movable bottom plate in said container, means for exerting a pressure upon the top plate and a means for exerting a pressure upon the bottom plate for exerting a uniform pressure upon the ham in said container, hooks on said container, a means engaging said hooks for locking said bottom plate in its pressure exerting position.

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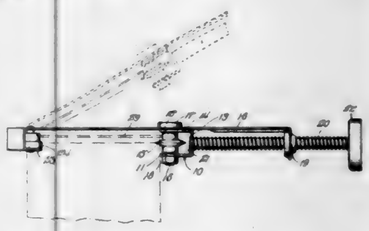
1,560,067. CAN OPENER. PHILIP G. LUBER, Chicago, Ill. Filed May 24, 1924. Serial No. 715,582. 1 Claim. (Cl. 30—3.)



A can opener comprising a slotted frame, a pair of spaced rollers on one end of the frame, each roller having an annular shoulder to lie close under the head rim of a can, a U-shaped knife carrier slidable in said slot toward and from said rollers, a rotatable knife mounted between the arms of said carrier, and a screw to move said knife and carrier toward and from said rollers, the cutting edge of said knife, its screw and the face of the shoulders on said rollers being in a common plane.



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1,560,068. METHOD OF GENERATING GEARS. EARL E. MCCOLLUM, Downers Grove, Ill. Filed Sept. 2, 1921. Serial No. 497,999. 5 Claims. (Cl. 90—1.)

1. The herein described method of making cooperating gears which consists in producing an internal gear and an intermeshing pinion of standard pitch, then generating a second internal gear of equal pitch diameter but of a different number of teeth by means of a cutter which is a duplicate of said standard pinion.

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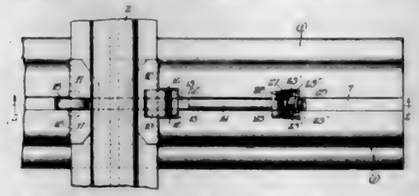
1,560,069. METAL CROSSTIE. FELIX L. MCMANUS, Philadelphia, Pa., and CHARLES P. KIMMEL, Gary, Ind. Continuation of application Serial No. 704,573, filed Apr. 7, 1924. This application filed Apr. 15, 1925. Serial No. 23,192. 19 Claims. (Cl. 238—77.)



1. A railway cross tie, comprising a hollow member slotted longitudinally, and a plate mounted upon said member, said plate being provided with portions adapted to embrace said hollow member and having a portion located in said slot, said portions being disposed in position to grip said hollow member after a predetermined distortion has occurred.

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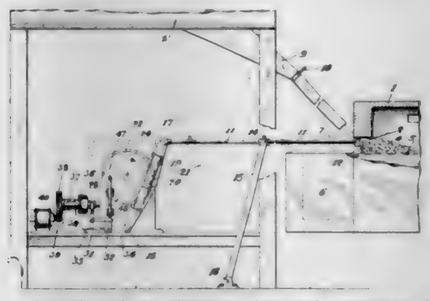
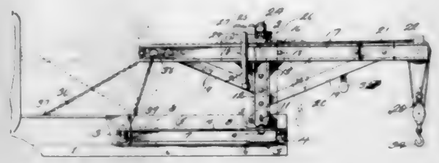
1,560,070. FURNACE FEED DEVICE. WILLIAM MCNAMARA, Connellsville, Pa., assignor to Capstan Glass Company, Connellsville, Pa., a Corporation of Delaware. Filed Dec. 5, 1923. Serial No. 678,589. 11 Claims. (Cl. 214—23.)



1. A device of the character described comprising in combination a glass furnace or the like provided with a charging opening, a scraper mounted for longitudinal movement adjacent said opening, means for imparting to said scraper a reciprocating movement in a predetermined curved path to push material through said opening into said furnace and means to vary the path through which said scraper moves during its scraping movement.

1,560,071. AUTOMOBILE HOIST. MYRON BAKER, Bridgeport, Conn. Filed Aug. 6, 1924. Serial No. 730,421. 2 Claims. (Cl. 212—65.)



1. A portable hoisting device comprising a horizontally disposed base, said base comprising spaced bars, brackets longitudinally adjustable on said spaced bars and extending upwardly, members carried by said brackets and extending downwardly and hooking under the spaced bars, vertically disposed standards pivotally connected to the upwardly extending brackets, horizontally disposed tiltable frame bars carried by the upwardly extending bars, said upwardly extending bars being rigidly secured to the tiltable frame bars at points spaced from their ends and brace members connecting the upwardly extending bars and the tiltable frame bars.

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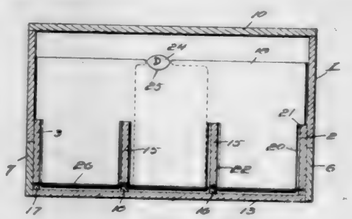
1,560,072. FILE. JULIUS R. BERNDT, Caldwell, Tex. Filed Nov. 25, 1924. Serial No. 752,198. 5 Claims. (Cl. 129—16.)



1. In a filing system, a cabinet, a plurality of files, means for dividing each of said files into indepenent compartments, said means comprising spaced partitions arranged in the cabinet, each of said files having slots formed therein for cooperation with the partitions, and means associated with the cabinet for facilitating the removal of the partitions with respect to the cabinet and the files.

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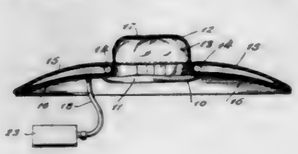
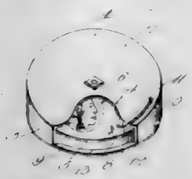
1,560,073. HAT PROTECTOR. MARIO BONTEMPI and JOSEPH DE LEO, Bronx, N. Y. Filed Jan. 26, 1924. Serial No. 688,656. 2 Claims. (Cl. 2—187.)



1. A head covering including an inflatable ring capable of encircling the crown of a hat adjacent the rim thereof, a plurality of ribs extending from said ring and having communication therewith, a flexible web connecting said ribs, and a crown covering forming an extension of said web and centrally disposed relative thereto so as to fit over and conform to the contour of said crown when said ring is disposed adjacent the rim of the hat.

1,560,074. COIN HOLDER. ALBERT H. FIELD, New York, N. Y. Filed June 21, 1923. Serial No. 646,902. 1 Claim. (Cl. 133—6.)



A coin holder including a casing having a side plate provided with a discharge opening, a rotatable coin delivery disk spanning said opening and having circumferentially spaced stops, and a spring arm stamped from said side plate and having a detent cooperable with said stops to hold the disk in any desired position.

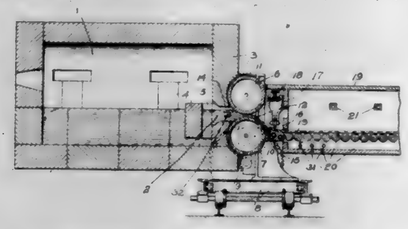
1,560,075. WATERPROOF PAINT. JOSEPH GALLIAN, San Francisco, Calif. Filed Dec. 13, 1924. Serial No. 755,719. 1 Claim. (Cl. 134—53.)

A composition of matter comprising a combination of white lead, turpentine, damar gum, beeswax, and saltpeter, substantially in the proportions specified.

1,560,076. METHOD AND APPARATUS FOR COMPLETE COMBUSTION. ELMER GATES, Washington, D. C.; Donald E. Gates administrator of said Elmer Gates, deceased. Filed Apr. 8, 1922. Serial No. 550,739. 6 Claims. (Cl. 110—28.)

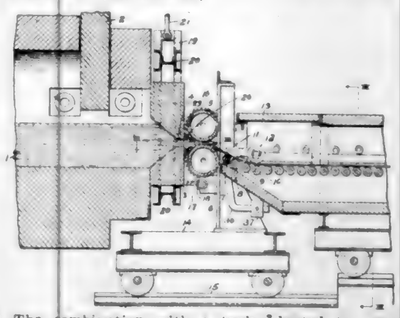
6. The method of obtaining a more complete combustion of finely divided fuel which consists in passing the burning fuel through a helical passageway bounded by incandescent walls, said passageway being composed of a number of turns.

1,560,077. APPARATUS FOR MAKING GLASS SHEETS. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Jan. 23, 1922. Serial No. 531,054. 5 Claims. (Cl. 49—3.)



5. In combination in apparatus for forming sheet glass, a tank having an opening in its wall, a pair of cooled feed rolls spaced apart in opposition to the passage so that the space between the rolls constitutes the outlet for the feed passage, means for rotating the rolls, a leer adjacent the rolls, a platen between the rolls and leer, means for cooling the platen, and a cutting device above the platen, adapted to move transversely of the glass sheet and sever it.

1,560,078. APPARATUS FOR MAKING SHEET GLASS. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed May 7, 1923. Serial No. 637,126. 18 Claims. (Cl. 49—33.)



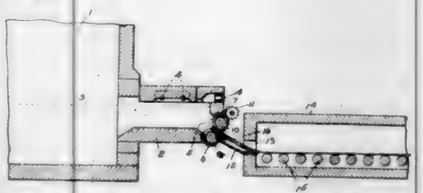
2. The combination with a tank adapted to carry a bath of molten glass, and rolling means at one side thereof for forming a ribbon or sheet of glass, of a clay outlet member constituting the wall of the tank intermediate the glass bath and the rolling means, a metal supporting framework for the outlet member, and means engaging such framework for removably supporting the slot member from above so that it may be removed or replaced by moving it edgewise.

1,560,079. METHOD AND APPARATUS FOR MAKING SHEET GLASS. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Aug. 8, 1923. Serial No. 656,441. 14 Claims. (Cl. 49—3.)



1. A method of manufacture of sheet glass which comprises melting and maintaining in a tank furnace a reservoir of molten glass, supplying the glass by the head pressure within the tank to a sheet forming pass between rolls arranged to control its rate of flow from the tank, and rotating the rolls and continuously forming a glass sheet having substantially uniform thickness throughout.

1,560,080. APPARATUS FOR MAKING SHEET GLASS. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Original application filed Aug. 8, 1923, Serial No. 656,441. Divided and this application filed May 1, 1925. Serial No. 27,172. 5 Claims. (Cl. 49—3.)

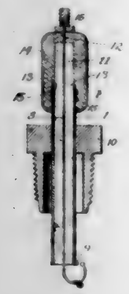


1. Means for continuously forming a glass sheet or ribbon from a body of molten glass, comprising a pair of parallel cooled rolls contacting with said molten body,



a table with a flat upper surface in advance of the rolls adapted to receive the glass from the rolls, means for cooling the table by a circulating fluid to promote the formation of a supporting skin upon the lower surface of the glass, and transfer means in advance of the table for receiving the glass and carrying it forward.

1,560,081. SPARK PLUG. HARRY GRAHAM GRIER, Brooklyn, N. Y. Filed Mar. 9, 1916. Serial No. 83,073. 3 Claims. (Cl. 123—169.)



1. A spark-plug, comprising a metallic tube; a conducting wire extending therethrough, the lower end of the wire forming one terminal of the spark-plug; a dielectric compacted or densified within the tube, surrounding the wire, insulating the same from the tube and forming the means for maintaining the wire in place; and a bushing secured to the outer face of the tube and effecting a gas-tight joint therewith.

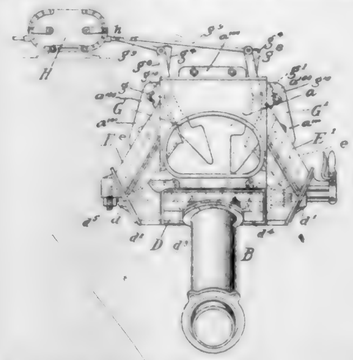
1,560,082. ATTACHMENT FOR VEHICLE SPRINGS. THOMAS S. HAMILTON, Los Angeles, Calif. Filed Mar. 26, 1924. Serial No. 702,093. Renewed Apr. 22, 1925. 9 Claims. (Cl. 267—49.)

1. An insert for leaf springs comprising a compressible member adapted to be inserted between the leaves of a spring and retained in position by compression, the edges of said member being provided with a coating of material adapted to form a seal to exclude moisture and oil.

1,560,083. MECHANICAL STOKER. WILLIAM T. HANNA, Cincinnati, Ohio. Filed July 5, 1919. Serial No. 308,851. 2 Claims. (Cl. 110—101.)

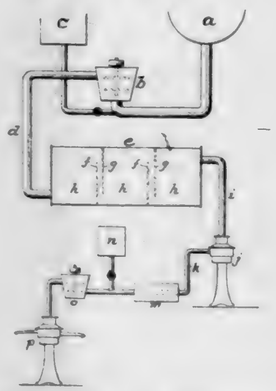
1. In a mechanical stoker for a furnace having a furnace door opening, the combination of a horizontal conveyer disposed below the furnace door opening adapted to move fuel towards its opposite ends, upwardly converging conveyers communicating with the ends of the first mentioned conveyer terminating adjacent the sides of the furnace door opening, and means directing the fuel from the second mentioned conveyers to the firing door opening.

2. The combination with a furnace having a firing opening in its wall, of a housing mounted upon the exterior of the wall embracing the opening, said housing having a wall spaced from the furnace, said wall having a firing opening in alignment and registering



with the firing opening of the furnace, and a distributer in the housing adapted to operate across the passage between the two firing openings, and to assume an inoperative position withdrawn from said passage.

1,560,084. PROCESS OF REFINING VEGETABLE OILS. CYRUS HOWARD HAPGOOD, Nutley, and GEORGE F. MAYNO, East Orange, N. J., assignors to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 6, 1924. Serial No. 690,904. 5 Claims. (Cl. 87—12.)

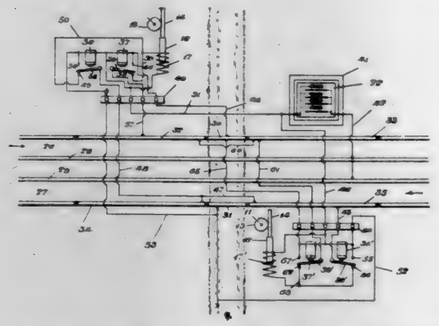


1. A continuous process for refining vegetable oils which comprises heating the oil and subjecting it to the action of a clarifying and bleaching agent, removing said agent together with the impurities carried off thereby, then mixing the decolorized oil, still containing its fatty acids but otherwise purified, with a saponifying agent in proportions adapted to effect a maximum saponification of fatty acids and a minimum saponification of oil, and separating the oil and soaps.

1,560,085. AUTOMATIC CROSSING GATE. ARO M. HARVEY, Kansas City, Mo. Filed Jan. 27, 1922. Serial No. 532,169. Renewed Sept. 5, 1925. 1 Claim. (Cl. 246—128.)

The combination of two railroad tracks, one rail of each track having an insulated rail section at the crossing and other insulated rail sections at both sides

of the crossing, a source of electrical energy connected to the other rails of the track, crossing gates at opposite sides of the tracks, an electric motor for operating each gate, a pair of electro-magnets associated with each motor, the motors and electro-magnets each having one terminal connected to the source of electrical energy, electrical connections between the first named insulated rail section of each track and the other terminals of one electro-magnet of each pair, switches controlled by said electro-magnets, electrical connections between the other insulated rail sections



of each track and the switches of the corresponding magnets, said switches being normally connected with the other terminals of said motors and when attracted by the magnets opening said connections and making connections with the last named terminals of the corresponding magnets, whereby a train approaching the crossing in either direction on either track will operate both gates, and whereby both gates are also operated when a train approaches the crossing on one track with a train on the other track which has moved to or beyond the first named insulated rail section thereof at each crossing.

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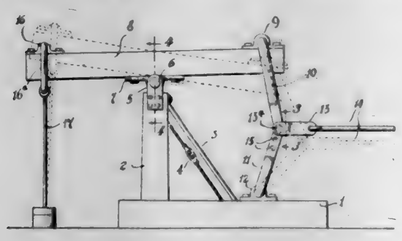
1,560,086. PUMP JACK. JULIOUS OWEN HEARN, Fentress, Tex. Filed Apr. 30, 1925. Serial No. 26,838. 1 Claim. (Cl. 74—3.)



A pump jack of the character described comprising a base, a supporting post on the base, rigid bracing means connected at its opposite ends to the upper end of the post and to a portion of said base, an adjustable bracing means connected at one end to an upper portion of the post and its opposite end to a portion of said base arranged in substantial parallelism to said rigid bracing means, a walking beam pivotally supported on the upper end of the post, a right angularly formed rod having a portion thereof mounted in bearings upon one end of said walking beam, the opposite end of such rod being flattened, a second right angularly formed rod having a portion thereof mounted for pivotal movement in bearings upon said base and having its remaining portion flattened and formed with a series of spaced openings, the flattened extremity of said first rod having openings formed therein, a link, and means adapted to be passed through the aligned openings in the flattened ends of said rods for pivotally and adjustably connecting said link thereto.

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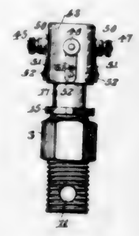
1,560,087. SPARK PLUG FOR INTERNAL-COMBUSTION MOTORS. CHARLES A. LAFFITEAU and WILLIAM C. HENDRIX, Savannah, Ga. Filed May 7, 1924. Serial No. 711,715. 3 Claims. (Cl. 123—169.)



1. A spark plug comprising a shell, a core mounted therein and provided at its inner end with a plurality of pockets, a secondary electrode carried by the core and having its inner end arranged axially with respect to said pockets and its upper end projecting laterally from the core, a plurality of primary electrodes mounted in the core and having their inner ends extended in said pockets and spaced from the inner end of said secondary electrode, said secondary electrode common to said primary electrodes, and shiftable means carried by the core and adapted to selectively engage with said primary electrodes to cause the selected primary electrode to conct with the secondary electrode for ignition.

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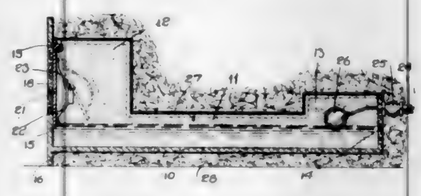
1,560,088. WATERING TROUGH. HENRY MARQUARDT, Norfolk, Nebr. Filed Mar. 14, 1924. Serial No. 699,262. 1 Claim. (Cl. 119—78.)



A watering trough consisting of an elongated body having water admission means at one end and an access opening at the other end, said access opening being vertically arranged, a flap closure hinged at its upper edge over said opening and covering the opening within said body, a resilient strip having its ends secured respectively to the upper and lower portions of said closure and having its central portion bowed rearwardly therefrom, and a closing weight secured to the central portion of said strip.

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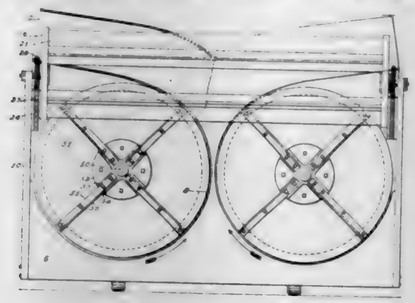
1,560,089. SNOW REMOVER FOR HIGHWAYS. JASPER MEIN and ALBERT MEIN, Osceola Township, Iowa. Filed Dec. 11, 1924. Serial No. 755,268. 3 Claims. (Cl. 37—43.)

1. In a snow remover, in combination, a transportable structure having a forwardly projecting inclined prow at its base, a pair of like wheels above the top of the rear of said prow rotatable reversely downwardly toward each other on longitudinal axes, a chute having a single



opening into which both disks deliver medially, and a rotatable device with transverse horizontal blades supported swingingly adjustably above the forward upper



parts of said disks to engage the tops of drifts and plane and propel thin layers thereof downwardly toward the disks.

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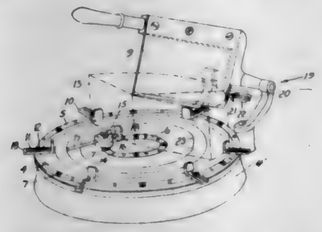
1,560,090. CHEESE CUTTER. WALTER I. MILESTONE, Oakland, Calif., assignor of one-half to Alfred W. Green, Oakland, Calif. Filed Aug. 19, 1924. Serial No. 732,932. 3 Claims. (Cl. 31—28.)



2. In combination with a cheese cutter, of a rotary table for the reception of a cheese having a ring at its outer margin recessed substantially flush with the table, and said ring supporting sliding brackets for holding the cheese in position on the table by contact therewith, and said table further provided near its center with a concentric similar ring supporting an adjustable clamp having a sliding bar to contact the exposed surface of the cheese when cut to prevent the cheese from shifting.

3. In a cheese cutter of the class described, a cutting blade having an extension and a sliding member thereon and supported thereby, and said member adapted to be set to contact the cheese to limit its backward movement in the cutting thereof.

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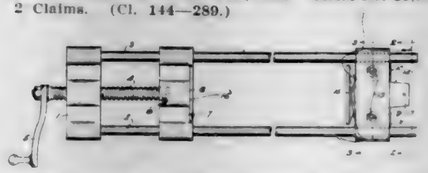
1,560,091. CABINET CLAMP. LEANDER NYGREN, Birmingham, Ala. Filed June 22, 1925. Serial No. 38,031. 2 Claims. (Cl. 144—289.)



1. In a cabinet clamp of the character described, comprising a clamp frame having side rods and an upper screw actuated clamp member, a lower clamp member comprising a sleeve-like element embracing the clamp rods, a pair of wedge blocks loosely mounted in each end of the sleeve with their outer faces grooved and substantially coextensive in width with the sleeve and with their inner faces reversely tapered, and a work engaging element having a wedge shank loosely mounted in the sleeve and adapted to engage the taper faces of said blocks.

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1,560,092. VARNISH-CAN LABEL. VICTOR ODQUIST, Yonkers, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 6, 1920. Serial No. 428,499. 1 Claim. (Cl. 40—11.)

A label holder in a sheet metal container handle, which consists of two curled or beaded edges of said handle to serve as side holding means and integral struck up parts of said handle material to serve as end holding means for a label positioned between said edges and said struck up parts.

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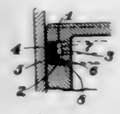
1,560,093. PISTON RING. FREDERICK STRATTNER OBEM, Baltimore, Md. Filed Mar. 12, 1920. Serial No. 365,228. 1 Claim. (Cl. 74—109.)



In combination, a piston for internal combustion engines having a single groove for receiving packing, said groove in cross section having one wall in a plane at right angles to the axis of the piston and having its opposite wall inclined to said axis and convergent with the wall first mentioned towards the mouth of the groove, both of the said walls together with the bottom wall being imperforate, and two rings located in said groove, each of which is a split spring ring, one of said rings being rectangular in cross section and fitting against the said right angular side of the groove, and the other of said rings being wedge shape, with one side conforming to and fitting against the ring first mentioned and its other side conforming to and fitting against the inclined side of said groove, both of said rings having comparatively broad outer faces to bear on the cylinder wall the wedge ring being of greater tension than the square ring, both of said spring rings occupying a space no wider than the groove of the piston, and with the lateral ring face nearest to the combustion chamber extending substantially in the plane of the upper wall of the groove clear to the cylinder wall substantially as described.

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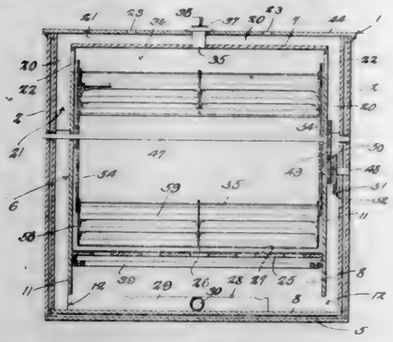
1,560,094. INCUBATOR. CHARLES F. OTT, Bucyrus, Ohio. Filed Feb. 1, 1924. Serial No. 689,959. 2 Claims. (Cl. 119—42.)

1. An incubator comprising a cabinet, a casing within the cabinet, and provided at its ends with upper and lower openings and an inverted U-shaped flue extended across the top of the casing and downwardly along the ends of the casing, the upper openings communicating with the space between the cabinet and the casing, independently of the flue, the top of the cabinet having an inlet opening communicating with the flue, and having an air outlet opening independent of the flue and communicating with the space between the top of the casing and

the top of the cabinet, an air outlet flue communicating with the interior of the casing, means for controlling the passage of air through the last specified flue thermostatically, means for heating the air within the casing, a rotary member journaled in the casing, egg carrying means on the rotary member, and means for operating the rotary member



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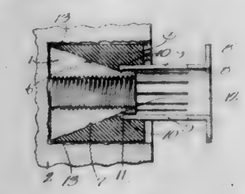
1,560,095. ANCHORING DEVICE. RALPH S. PEIRCE, Hinsdale, Ill. Filed Dec. 10, 1923. Serial No. 679,807. 16 Claims. (Cl. 72—105.)



1. An anchoring device including an expanding element; an expansible element soft relatively to the expanding element that is adapted to be within and is in expanding relation to the expansible element; and a second expanding element initially, permanently and directly assembled with said expansible element and in expanding relation thereto.

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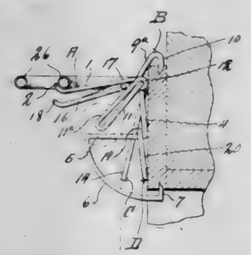
1,560,096. COMBINED CURTAIN AND SHADE HANGER. DOMINICK PELLETIER, Fall River, Mass. Filed Feb. 17, 1925. Serial No. 9,798. 3 Claims. (Cl. 156—24.)



1. A device of the class described comprising two members pivotally connected one to another, one of said members comprising a wire turned upon itself to provide an elongated loop, the side members of the loop having their outer end portions continued by downwardly and outwardly disposed arms terminating in upwardly directed penetrating members, said side members of the loop adjacent the arms being provided with eyes; the second member also comprising a wire formed to provide a bar insertible through the eyes of the first member, said bar adjacent its opposite ends being provided with angularly related arms terminating in inwardly disposed penetrating members, the wire at one end portion of the bar being forwardly directed to provide a loop, a retaining member coacting with the bar of the second named member, said retaining member being substantially V-shaped in form disposed over the bar of the first named member from the rear, one leg of said last named member being forwardly directed and returned to provide a loop, and a second leg extending downwardly from the bar and providing clamping means with the outwardly disposed arms of the first member.

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1,560,097. WEATHER STRIP. OTTO H. PETERSEN, Oakland, Calif. Filed June 20, 1925. Serial No. 38,570. 4 Claims. (Cl. 20—69.)

1. As an element of a weather strip, a strip of rubber substantially triangular in cross-section and provided with a solid head, said rubber strip being adapted to be attached to the bottom edge of a door and having each side thereof grooved longitudinally for flexing purposes.

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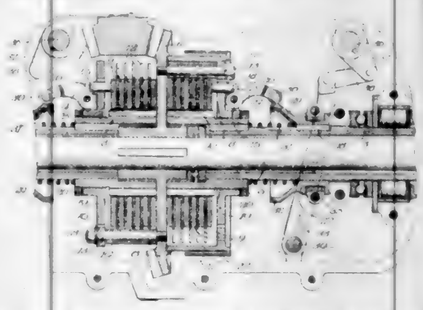
1,560,098. COMBINED POWER-TRANSMITTING AND STEERING-GEAR MECHANISM. EDWARD O. POWERS, Chicago, Ill., assignor, by mesne assignments, to F. C. Austin Machinery Company, a Corporation of Illinois. Filed Feb. 17, 1919. Serial No. 277,443. 2 Claims. (Cl. 180—17.)



1. In a self-propelled vehicle, a combined driving and steering mechanism, comprising a shaft, sleeves on said shaft, a rotary member fixed on said shaft between said sleeves, a pair of clutches to connect said sleeves with said member, devices to control said clutches independently of each other so that said shaft is rotatable in either sleeve while rotating with the other sleeve when the vehicle steered to the right or left, bearings to support said shaft and sleeves, and means to transmit power from said sleeves for driving and steering purposes, said devices comprising a pair of levers connected to operate said clutches, a shaft, cranks to operate said levers, and gearing to connect said shaft with said cranks, said clutches being normally closed, part of said gearing being operable to open one clutch alone when said shaft is turned to the right and othe other part of the gearing being operable to open the other clutch alone when said shaft is turned to the left.



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1,560,099. HEAT-RESISTING ALLOY STEEL AND ARTICLES MADE THEREFROM. GEORGE R. RICH, Battle Creek, Mich. Filed Apr. 27, 1925. Serial No. 26,296. 2 Claims. (Cl. 75—1.)

1. An alloy steel having high resistance to hot oxidation, having a composition substantially as follows: chromium 7.00 to 8.00%; nickel 1.25 to 2.25%; phosphorus and sulphur together, under .03%; manganese .45 to .65%; silicon .50 to 1.00%; carbon .35 to .45% and the principal part of the remainder iron.

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1,560,100. COVER FOR CANS. WALTER H. RICHMAN, Philadelphia, Pa. Original application filed Nov. 20, 1919, Serial No. 339,436. Divided and this application filed Nov. 2, 1922. Serial No. 598,506. 1 Claim. (Cl. 220—42.)

In a cover for a can; the combination with a single piece of metal forming a plane central circular area; an annular toric zone of outwardly convexly curved configuration, adjoining said plane central circular area, and in coaxial relation therewith; a second annular toric zone of shorter transverse curvature than said first toric zone and in coaxial relation therewith; a cylindrical zone in coaxial relation with said other zones and merging into said last named toric zone; and an outwardly flared toric zone at the free end of said cylindrical zone; the metal of said cover being internally convexly curved at said free edge, to form a continuous annular bearing surface in a plane at right angles to the common axis of said zones, and within the free edge of said cover, which edge is flared outwardly to such a degree that it cannot bear upon the can for which said cover forms a closure and said outwardly flared edge constitutes a reinforcement for said inner annular bearing surface of said cover and preventing deformation thereof under the stresses to which such covers are normally subjected; and a handle for said cover including a sectoral cylindrical portion extending parallel with said plane central area, spacing members at opposite ends thereof, extending to said cover in such outwardly diverged relation as to afford resistance to the lateral stresses to which such handles are subjected, and flange pads on said handle in contact with said cover; said handle having projections pressed in the metal thereof toward said cover and spot welded to the latter.

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1,560,101. SANITARY TOOTHBRUSH RACK. ADOLPH P. RITTER, Chicago, Ill. Filed Oct. 8, 1923. Serial No. 667,110. 2 Claims. (Cl. 211—14.)

1. A tooth brush rack comprising a sheet metal member having a body portion with a right angled lateral flange and right angled end flanges having attaching means, and concave brush supporting ledges secured to said body portion and lateral flange in spaced relation to each other, one side of said rack being open for access to the interior thereof.

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1,560,102. VANITY BOX. ERNEST F. RUECKERT, Providence, R. I. Filed Sept. 6, 1924. Serial No. 736,334. 12 Claims. (Cl. 132—83.)

1. A device of the class described comprising a powder receptacle, a puff carried by said receptacle and normally contracted and projecting from the inner open end thereof and communicating therewith, a sleeve telescoping over said receptacle, said sleeve when in one position exposing the puff and in the other position enclosing the same, and a cap closing the outer end of the sleeve.

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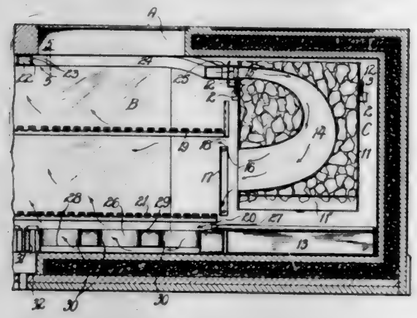
1,560,103. ELECTRIC DISCHARGE TUBE. MICHEL SCHMIERER, Friedenau, near Berlin, Germany. Filed Feb. 21, 1921. Serial No. 446,973. 3 Claims. (Cl. 176—14.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. An electric discharge tube for the production of illuminated signs, designs and the like comprising an anode, a cathode cooperating therewith having extended front and back surfaces, said front surface being provided with means for outlining a sign or design and adapted to prevent the emanation of a negative luminous discharge from said surface other than that in the form of the said sign or design.

1,560,104. REFRIGERATOR. JOHN SCHULDE, St. Louis, Mo. Filed Apr. 11, 1924. Serial No. 705,904. 3 Claims. (Cl. 62—37.)



3. In a refrigerator comprising a case having a provision chamber and an ice chamber at one end thereof, an ice container in said chamber, an air cooling conduit within the ice container having an air inlet near the top thereof and an air outlet near the bottom, both inlet and outlet opening toward the provision chamber, a warm air collector extending across the provision chamber at the top thereof and at the end farthest from the ice container, said collector having an intake opening in one side, and air conduits leading from the ends of the collector to the inlet opening of the aforesaid cooling conduit, and a brine circulating tank in the bottom of the provision chamber, said tank having air circulating flues passing through it.

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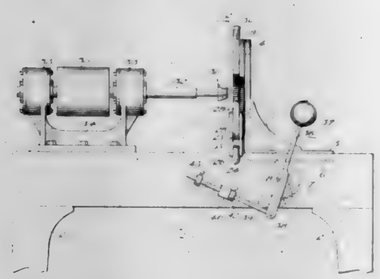
1,560,105. WOOD-CUTTING MACHINE. SILAS S. SEE, Roanoke, Va. Filed May 2, 1921. Serial No. 466,008. 3 Claims. (Cl. 144—136.)



1. In a machine for cutting arcuate openings such as hand holes in stock, a rotary cutting tool mounted in relatively fixed position, a carriage movable toward and away from said tool axially thereof, a pivoted work holder on the carriage capable of oscillation in a plane at right angles to the axis of the tool, and means whereby the work holder may be moved for moving the work with respect to the tool.

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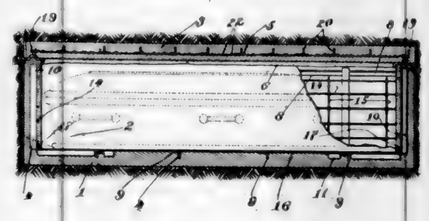
1,560,106. ASPHALT VAULT. WILLIAM E. SHEENE, Baltimore, Md., assignor to The Asphalt Grave Vault Company, a Corporation of Maryland. Filed May 7, 1924. Serial No. 711,518. 8 Claims. (Cl. 72—7.)

1. A moisture-proof burial vault to be buried in the ground to enclose and preserve a casket and the body therein, the vault structure having walls composed of bituminous mastic consisting of infusorial earth, grit and bitumen and a frame embedded in the mastic and



protected thereby, reinforcing the walls and forming a permanent structure at the temperatures and pressures to which it is subject under the conditions of burial.

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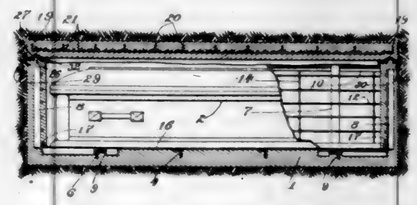
1,560,107. BURIAL VAULT. WILLIAM E. SHEENE, Baltimore, Md., assignor to The Asphalt Grave Vault Company, a Corporation of Maryland. Filed May 7, 1924. Serial No. 711,519. 15 Claims. (Cl. 72—7.)



1. A container for a casket to be buried in the ground, the same consisting of a vault and a cover member, an upright plate secured to the vault wall near but below the top and extending above the top of the vault wall forming a receptacle for fluid sealing material, the plate being so flexible as to be forced away from the wall when the cover is placed in position, placing the sealing material under pressure, the displacement of the plate permitting the sealing material to flow downward between the plate and the side of the vault and be forced up above the meeting edges of the wall and cover, providing a complete covering overlying the joint.

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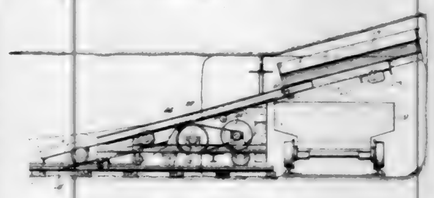
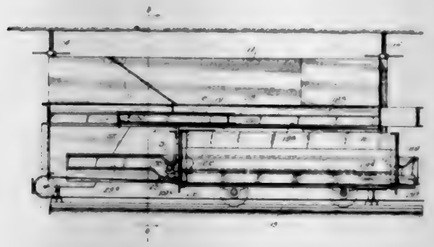
1,560,108. CAR AND UNLOADER. GEORGE N. SIMPSON, Chicago, Ill. Filed Mar. 6, 1925. Serial No. 13,490. 7 Claims. (Cl. 214—58.)



1. Apparatus of the character described comprising; a car having a platform with a bottomless body thereon; a slide having one end substantially on a level with the car platform and provided with a discharge opening; and means for drawing the car body off of the car platform onto said slide and over said discharge opening.



1,560,109. HOPPER AND CAR. GEORGE N. SIMPSON, Chicago, Ill. Filed Mar. 11, 1925. Serial No. 14,708. 14 Claims. (Cl. 214—41.)



1. A hopper adapted to receive a continuous supply of material; a car adapted to receive a load of material from the hopper; means for supporting the hopper a sufficient distance above the floor to permit the car to go under the same; a sliding bottom section at its forward end of said hopper; a part on said section at its forward edge; another part on said section substantially back of the forward edge; a movable part on the car; means whereby said movable part on the car will move to a position so that it will pass the part on the front edge of the movable section as the car goes under the hopper and engage the part back of the forward edge as the car moves further under the hopper whereby said sliding section is opened by such further movement of the car under the hopper; means whereby, upon movement of said car from a position under the hopper, said movable part will move to a position so that it will engage the part on the front edge of the movable section and close the same; and means whereby said movable part on the car will move to a position so that it will be disengaged from the part on the front edge of the movable section as the car leaves the hopper.

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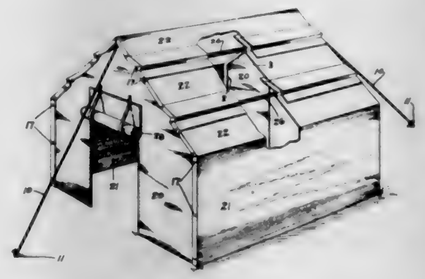
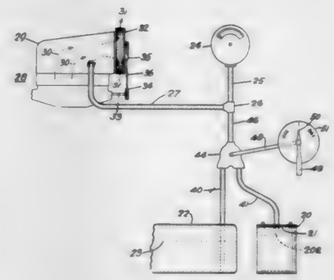
1,560,110. TENT. AUGUST W. SKOG, Minneapolis, Minn. Filed Apr. 3, 1922. Serial No. 549,312. 7 Claims. (Cl. 135—1.)



1. A tent comprising a frame having rafters and supporting posts, end and side wall panels mounted on said posts and rafters and roof panels having their ends connected to said rafters over the upper portions of said wall panels, a ridge pole connecting the rafters and means for pulling the rafters outwardly to tension the roof panels.

1,560,111. INDICATING DEVICE. WALTER W. RIEDEL, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 22, 1923. Serial No. 640,789. 3 Claims. (Cl. 116—118.)



3. Apparatus for determining inadequacy of liquid in vessels comprising, in combination, a plurality of vessels or containing liquids; of vacuum producing means, a device connected with said means for indicating partial vacuum; a plurality of ducts each for providing a vent to atmosphere and each extending to a certain level within a separate vessel for containing liquid; a valve body having ports connected respectively with said ducts and said indicating device; a valve operable to connect all the ports or to connect only one of the duct ports with the port connected with the indicating device; and means for indicating the vessel connected with the indicating device.

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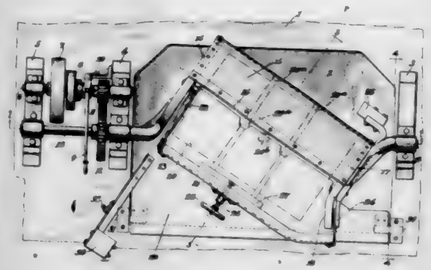
1,560,112. DRUM WASHER. CLANCY M. ROGERS, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Apr. 5, 1921. Serial No. 458,777. 13 Claims. (Cl. 141—6.)



1. In a receptacle washing machine, the combination of a rotating mechanism, a receiving floor, and a rotatable cradle, for receiving a receptacle, so positioned that the cradle is not coaxial with the rotating mechanism, said cradle being horizontal and its lower portion on a level with the floor in one position in the rotation of the same.

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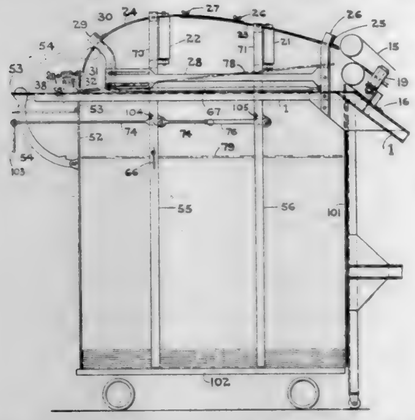
1,560,113. AUTOMATIC SHEET-STACKING MACHINE. BEDROS K. SANDALJIAN, Groton, Conn. Filed Feb. 11, 1924. Serial No. 691,995. 4 Claims. (Cl. 214—6.)

1. In a machine of the class described, means for continuously receiving sheets, means for conveying said

sheets, means for interrupting the passage of the sheets, a receptacle for the sheets, means for stacking the sheets



upon the receptacle and means for suspending the sheets when the receptacle is to be replaced.

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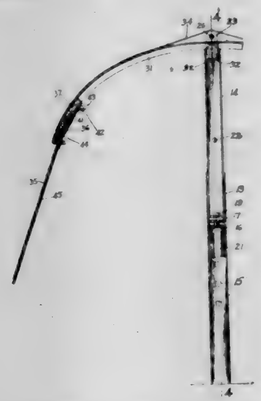
1,560,114. TENT. AUGUST W. SKOG, Minneapolis, Minn. Filed Sept. 22, 1923. Serial No. 664,260. 10 Claims. (Cl. 135—3.)



1. A tent comprising a ridge pole and supporting posts therefor, rafters extending outwardly and downwardly from said ridge pole, a flexible roof section fitting over said ridge pole and rafters, and means hinged on said rafters and adapted to swing to a position parallel substantially therewith and engaging said flexible roof section for drawing it taut over said ridge pole and rafters.

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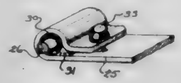
1,560,115. SPRING SUSPENSION. HINSDALE SMITH, Springfield, Mass. Filed July 17, 1923. Serial No. 652,019. 5 Claims. (Cl. 267—54.)



1. The combination of a shackle bolt, and a sleeve of anti-friction fabric surrounding the shank of the bolt, with a spring leaf bent through nearly a complete arc around said sleeve and then into spaced parallel relationship to the general plane of itself, and a wedge member in contact with only substantially that portion of the bushing which is coextensive with the remaining portion of the arc, and actuated by movement of said spring leaf.

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1,560,116. TREATMENT OF FINELY-DIVIDED COAL. WILLIAM WARWICK STENNING and WALTER HENRY BEASLEY, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y. Filed Feb. 15, 1922. Serial No. 536,810. 16 Claims. (Cl. 44—1.)

1. A process for the treatment of finely divided coal wherein the coal is suspended in water, mixed with a binding medium and subjected to heat and to agitation without aeration to ensure the agglomeration of the coal particles.

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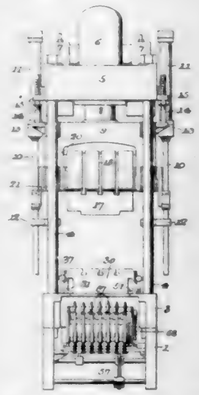
1,560,117. MOLDING PRESS. FRANCIS E. STEVENSON and THOMAS F. STACY, Mount Gilead, Ohio, assignors to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Filed Sept. 23, 1924. Serial No. 739,303. 16 Claims. (Cl. 18—16.)



1. A molding press comprising an upper press member including a platen, means for reciprocating said platen to and from pressing position, means for limiting the movement of the platen to a straight line, a mold carrying head carried by said platen, and means for tilting said head independent of the movement of the platen.

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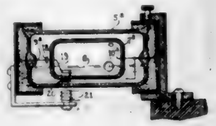
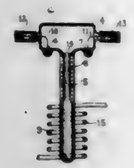
1,560,118. ELECTRIC SWITCH. ERWIN R. STOEKLE, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 12, 1921. Serial No. 500,016. 6 Claims. (Cl. 200—112.)



1. An electric switch comprising inner and outer containers, the outer container comprising a hermetically sealed insulating envelope, a conductive fluid included within said envelope to extend within said inner container, terminals within said containers, and means for effecting rotation of said inner container while maintaining said outer container in fixed position for interrupting and re-establishing conductivity between the portions of said fluid within the respective containers.



1,560,119. THERMALLY-OPERATED CIRCUIT CONTROLLER. ERWIN R. STOEKLE, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 12, 1921. Serial No. 500,017. 11 Claims. (Cl. 200—122.)



1. A circuit controller comprising a plurality of substantially stationary fluid contacts and a quantity of conductive fluid to be elevated for effecting physical union with said contacts jointly to thereby establish electrical conductivity therebetween.

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1,560,120. SPOOL CONSTRUCTION. EARL S. TEED, Akron, Ohio. Filed Jan. 12, 1923. Serial No. 612,200. 5 Claims. (Cl. 242—118.)

1. In spool construction, the combination of a tubular member formed of vulcanized compound, having a relatively thin wall, and being interiorly threaded at its ends, and end members of like material provided with hollow bosses threaded throughout a portion of their length to engage with said threaded tubular member ends, said bosses also being provided with an unthreaded smooth portion adapted to fit and bear against the unthreaded portion of said tubular member.

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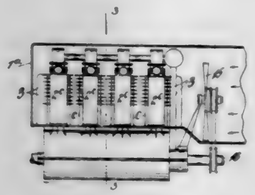
1,560,121. AIR-COOLING DEVICE FOR ENGINES. WILLIAM TREWHELLA, Trentham, Victoria, Australia. Filed June 5, 1922. Serial No. 565,871. 2 Claims. (Cl. 123—171.)



2. In a cooling device for engines, the combination with an engine comprising a plurality of cylinders mounted in parallel alinement having horizontal cooling fins thereon, of a casing enclosing the cylinders forming a main air chamber, a plurality of air flues on one side of the engine arranged centrally of the cylinders, and a plurality of separate air flues on the opposite side of the engine arranged centrally between the cylinders, each flue being open at the bottom and having an open side extending across the fins, said flues forming vertical air channels extending longitudinally of the cylinders, the channels on one side of the cylinders being opposite the flues on the opposite side of the cylinders, whereby the interior of the flues communicates with the longitudinal channels and passages between the fins and connects with the outside air through the opening in the bottom, and means for forcing air through the main air chamber and flues.

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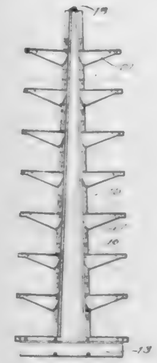
1,560,122. SHELF AND RACK CONSTRUCTION. WALTER N. VANCE, Chicago Heights, Ill., assignor to Durand Steel Locker Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 24, 1920. Serial No. 360,979. 7 Claims. (Cl. 211—27.)



1. In a shelf or rack construction, the combination of a number of uprights, cantilever arms extending out therefrom and each consisting of a metal member returned upon itself and secured at its ends to an appropriate upright and shelf members resting at their ends upon halves of said arms.

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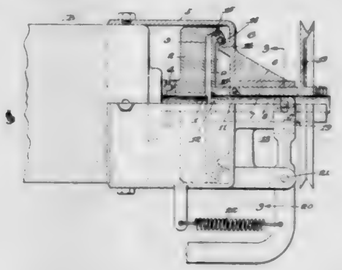
1,560,123. TRANSMISSION APPARATUS. MAX T. VOIGT, Reading, Pa., assignor to American Safety Table Co. Inc., New York, N. Y., a Corporation of New York. Filed Dec. 6, 1923. Serial No. 678,835. 13 Claims. (Cl. 192—18.)

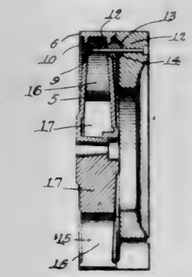


1. A device of the character described, comprising a motor having a rotating shaft, a stub shaft near each end of the motor shaft and in axial alinement therewith, and means for moving the stub shafts to clutch the same to the motor shaft.

1,560,124. OVERSHOE. KATHRYN F. VOLKEY, Seattle, Wash. Filed Dec. 22, 1922. Serial No. 608,886. 1 Claim. (Cl. 36—5.)

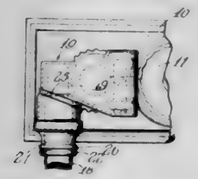
An overshoe, the upper heel portion of which is formed of extensible material with the edge of the opening adapted to fit frictionally around the shoe of the wearer, means whereby said heel portion may be distended when the overshoe is drawn on over the shoe, said means consisting of a finger loop on each side of the heel portion, one end of each of the loops being secured to the outside of the overshoe at some distance below the edge of the opening and the other end being secured to the inside of the overshoe.

1,560,125. WHEEL CENTER FOR FORD TRACTORS. WILLIAM A. WADLEIGH, Seattle, Wash. Filed Jan. 31, 1925. Serial No. 6,123. 1 Claim. (Cl. 301—41.)



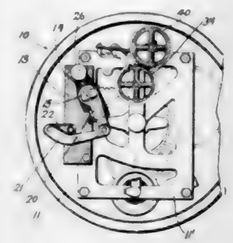
In a wheel construction, a hollow body portion, having tapered openings in its side walls, a rim and tire supported on the body portion, a ring member having tapered openings, the springs of the ring member adapted to aline with the openings of the body portion, tapered plugs fitted in tapered openings of the body portion, said tapered plugs having threaded openings, spacing members having tapered extremities fitted in tapered openings in the body portion and adjacent tapered openings of the ring member, and bolts extending through the openings and spacing members and having threaded ends fitted in the threaded openings of the plugs.

1,560,126. BATTERY-TERMINAL-CONNECTION COVER. REUBEN WEDEBERG, Chicago, Ill. Filed June 7, 1923. Serial No. 643,845. 3 Claims. (Cl. 136—29.)



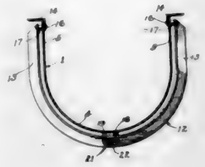
1. A protective cover for a battery-terminal connection of the character described having a clamping ring for a battery post and having a cable socket member and a cable therein and being adapted to fit upon the upstanding terminal post of a battery, said cover comprising a hollow body of thin and flexible battery-acid-resisting material having integral top, side and bottom walls and having an opening for the connection stem in the bottom wall, said walls being arranged whereby the cover conforms substantially to the shape of the terminal connection and whereby it is adapted to enclose and surround the body of said connection closely, said cover having a portion thereof divided whereby cover parts may be spread apart to apply the cover to the connection.

1,560,127. CIRCUIT-CONTROLLER ATTACHMENT FOR CLOCKS. JOSEPH S. WIGGINS, Haworth, N. J. Filed Mar. 10, 1924. Serial No. 697,993. 6 Claims. (Cl. 200—35.)



2. In a circuit controller attachment for a clock fitted with an operating mechanism, a circuit closer, an arm mounted on the winding stem of the mechanism and arranged to operate the circuit closer when the mechanism is released for actuation, a setting arm mounted to freely turn on the winding stem and arranged to engage the operating arm to move the shaft to set position, said setting arm being adapted to be left in position to hold the shaft in inoperative position or to be withdrawn to permit the shaft to operate when subsequently released said arms being located at the back of the clock.

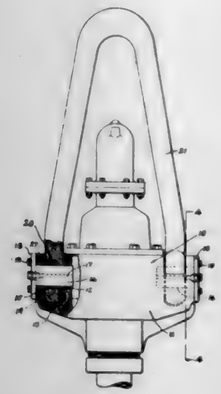
1,560,128. RUST-RESISTING AND ADJUSTABLE SUPPORTING YOKE FOR FIRE-ESCAPE CHUTES. DAVID F. YOUNGBLOOD, San Antonio, Tex. Filed Apr. 21, 1925. Serial No. 24,806. 5 Claims. (Cl. 227—7.)



1. A stiffening and supporting yoke for chutes, comprising an angle iron bent to conform to the shape of the chute in cross section and slightly larger than the same, means including spacing elements for securing the ends of the yoke to the upper free edges of the chute to lie in spaced, transverse relation to the latter throughout the length of the yoke, and adjusting means for connecting the chute at the bottom to said spaced yoke to permit transverse adjustment of the chute.

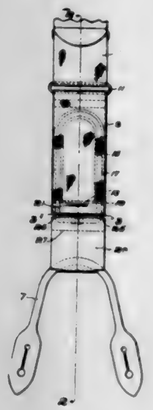


1,560,129. BEARING SUPPORT FOR BAILS. PAUL F. YUNGLING, Los Angeles, Calif. Filed July 19, 1924. Serial No. 727,090. 6 Claims. (Cl. 255—26.)



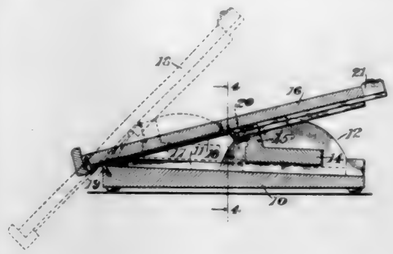
6 A device of the class described, comprising a body member having oppositely disposed lubricating chambers formed on its outer surface, and a bail pivoted to said body member and mounted to swing in said lubricant chambers.

1,560,130. GARMENT SUPPORTER. ALFRED M. ZIEGLER, Newton, Mass. Filed May 17, 1921. Serial No. 470,347. 6 Claims. (Cl. 241—19.)



1. A garment supporter comprising a garment engaging portion and a sustaining portion, one of said portions terminating in a fabric tube, a cross-bar at the free end of the tube, the face and back of the tube at that end being secured together for a part of their width to support the cross-bar while providing space to accommodate the draw-bar hereinafter mentioned, the whole providing a structure free of fullness or angular hems, a draw-bar projecting from the tube, resilient means in the tube cooperating with the cross-bar to sustain the draw-bar, the draw-bar being connected to the other of said portions of the supporter.

1,560,131. DESK. AARON M. ACHENBACH, Piedmont, Calif. Filed Feb. 12, 1923. Serial No. 618,565. 2 Claims. (Cl. 45—57.)

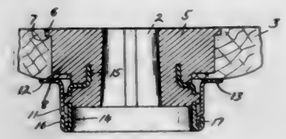


1. A device of the character described comprising a flat base, a desk top disposed above said base, parallel guide rails fixed to the upper surface of said base, members interposed between said desk top and said base, and slidably engaging said rails, hinge connections between the under side of said desk top and said members, said hinge connections occurring substantially at the center of said desk top, said members being normally disposed at the rear of the structure, and a sliding and pivotal connection between the support and said top at the front of said support, said connection comprising a slotted plate arranged beneath the desk top, and a member fixed to said support and extending through said slot and slidably engaging said plate, whereby the desk, when shifted relative to the support, will assume various angles of inclination.

1,560,132. PROCESS OF MAKING RUBBER COMPOSITIONS. GEORGE WILSON ACHESON, Newark, N. J. Filed June 23, 1922. Serial No. 570,496. 4 Claims. (Cl. 106—28.)

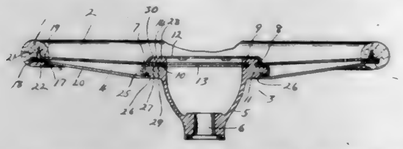
1. Process of making a rubber composition comprising subjecting an inorganic solid to a deflocculating operation and recovering the initially-deflocculated product in substantially dry condition; mixing therewith a rubber solution; precipitating the rubber in presence of the initially-deflocculated solid by means of an organic liquid having an action essentially similar to that of acetone: and separating the rubber mixture from the liquid components.

1,560,133. STEERING WHEEL. CHARLES W. BECK, Detroit, Mich., assignor to The Beck-Frost Corporation, Detroit, Mich., a Corporation of Michigan. Filed Apr. 21, 1924. Serial No. 708,057. 11 Claims. (Cl. 74—33.)



1. In a steering wheel, a spider having an opening and a plurality of spaced recesses, a hub piece in the opening having lugs provided with tapered sides engaging the walls of said recesses, a flange on the hub piece engaging one face of the spider, and a collar secured to the hub piece having a flange engaging the opposite face of said spider, said flanges cooperating with said lugs to secure said hub piece rigidly to said spider.

1,560,134. STEERING WHEEL. CHARLES W. BECK, Detroit, Mich., assignor to The Beck-Frost Corporation, Detroit, Mich., a Corporation of Michigan. Filed Nov. 6, 1924. Serial No. 748,141. 12 Claims. (Cl. 74—33.)



1. In a steering wheel, a spider having a die cast hub, a plurality of hollow radially extending arms, and a ring having portions extending into the hollow arms and having portions embedded in the hub.

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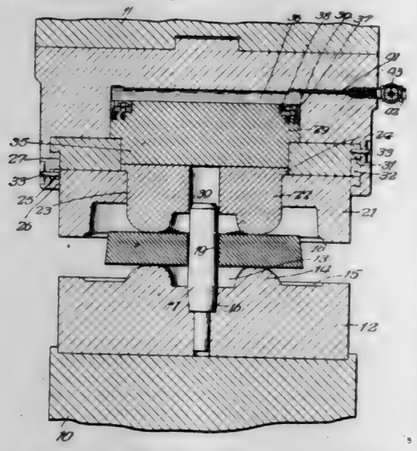
1,560,135. FORGING DIE. FRANK B. BELL, Pittsburgh, Pa., assignor to Edgewater Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 7, 1919. Serial No. 281,298. 10 Claims. (Cl. 78—80.)



1. A multi-part die for a forging press, comprising a plurality of active die parts and means for varying the relative pressure of said parts upon the work and a single plunger operating said die parts.

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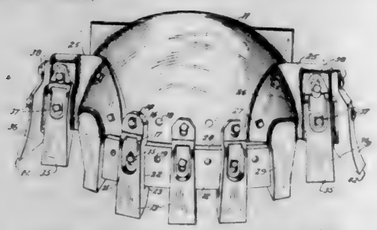
1,560,136. EXCAVATOR BUCKET. HANS J. BENTSON, Muskegon, Mich., assignor to Austin Machinery Corporation, Toledo, Ohio, a Corporation of Virginia. Filed July 28, 1924. Serial No. 728,539. 5 Claims. (Cl. 37—141.)



1. A digging bucket for excavators and the like, comprising, a main body having digging elements at the forward edge thereof, and an extension member secured to said body and having a forward projection engaging over said front edge of the body, the extended portion of said extension member being provided with additional digging elements.

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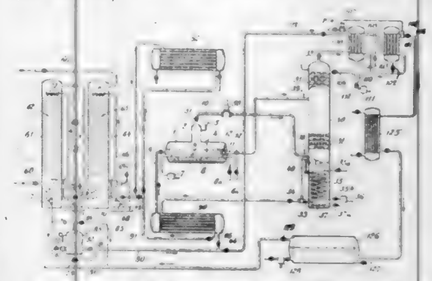
1,560,137. RECOVERY OF GASOLINE, ETC. HAROLD B. BERNARD, Tulsa, Okla., assignor to Sinclair Oil and Gas Company, Tulsa, Okla., a Corporation of Maine. Filed May 8, 1924. Serial No. 711,779. 11 Claims. (Cl. 196—8.)



1. A process of separating absorbed gasoline from liquid absorbing mediums, which comprises subjecting the gasoline charged medium to a distillation treatment by the application of heat and passing the heated liquid residuum from the distillation treatment in countercurrent flow and in indirect contact with the distilled vapors and gases under a pressure lower than that prevailing in the distillation treatment.

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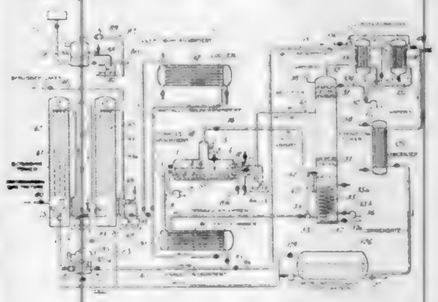
1,560,138. GASOLINE RECOVERY. HAROLD B. BERNARD, Tulsa, Okla., assignor to Sinclair Oil and Gas Company, Tulsa, Okla., a Corporation of Maine. Filed May 27, 1924. Serial No. 716,129. 7 Claims. (Cl. 196—8.)



1. A process of recovering gasoline from natural gas, casinghead gas, and the like, which comprises subjecting the gas to an absorption treatment with a liquid absorbing medium, subjecting the charged medium from the absorption treatment to a preliminary distillation treatment by the application of heat, and passing the liquid from the distillation treatment while hot in counter current flow and indirect contact with the distilled vapors and gases from the distillation treatment.

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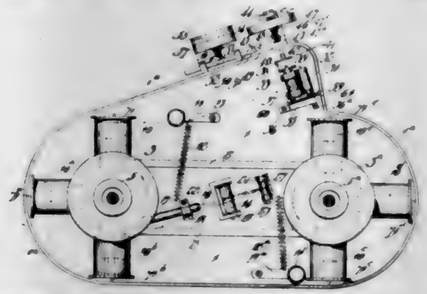
1,560,139. APPARATUS FOR WINDING LONG AND ENDLESS CINEMATOGRAPH FILMS. JOHN ROBERT BOW, Melbourne, Victoria, Australia. Filed Jan. 4, 1922. Serial No. 526,982. 2 Claims. (Cl. 88—18.7.)

1. Apparatus for the purpose specified, comprising, a supporting base, a front and a rear drum, a flexible roller on the base, top middle and lower rollers disposed in a vertical line and parallel with the flexible roller, the base being slotted with two slots, and two coacting rollers on the base, one of which is rubber



covered, and a film disposed on the flat on the drums, the film being directed from the surface of the rear drum, to the top roller, between the top and middle roller to the flexible roller, back to the lower roller,



through one slot, to a projecting apparatus, back through the other slot, and between the two coacting rollers, and back from the outer layer on the rear drum, thus being disposed in an endless manner.

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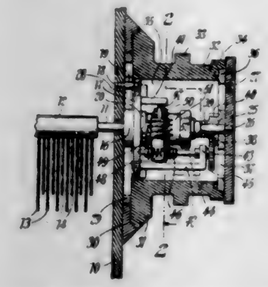
1,560,140. VERNIER DIAL. HARRY CHARMS, New York, N. Y. Filed Dec. 11, 1924. Serial No. 755,128. 3 Claims. (Cl. 74—7.)



1. In a vernier dial, the combination with a spindle, means for actuating the spindle, and a primary dial operated by said spindle, of a secondary dial recessed into the primary dial, a hollow cylindrical extension on the secondary dial, a stationary disc on which the cylinder rotates, means for anchoring said disc to a support, brackets extending from said disc into the chamber in said cylinder, worm gear trains mounted in the brackets, said trains being driven by the rotation of the cylinder, a friction sleeve actuated by the worm gear trains, and means for transmitting motion to said spindle from said friction sleeve.

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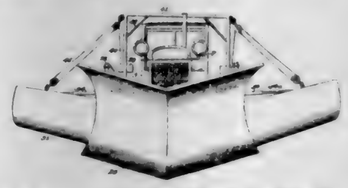
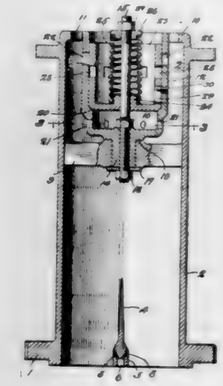
1,560,141. SNOWPLOW. ROY E. CHOATE, Cedar Rapids, Iowa. Filed Dec. 24, 1923. Serial No. 682,578. 10 Claims. (Cl. 37—44.)



1. In a snow-plow, a main frame adapted to enclose a tractor, a tilting auxiliary frame carrying a centrally disposed plow, and hoisting apparatus adapted to raise and lower the tilting frame.

1,560,142. EXHAUST-NOZZLE STAND. THOMAS HENRY CLAPHAM, Pittsburg, Kans. Filed July 6, 1925. Serial No. 41,904. 6 Claims. (Cl. 162—8.)



4. In a device of the class described, a stand having an outlet, a cage in the stand, a valve slidable in the cage, the valve and the cage having discharge ports which cooperate to relieve pressure in the stand when the valve is advanced by pressure, the cage being so constructed as to admit pressure on the valve, a securing device connecting the cage with the stand, and spring means for operating the valve to dispose said ports out of registration, the spring means being retained by the securing device.

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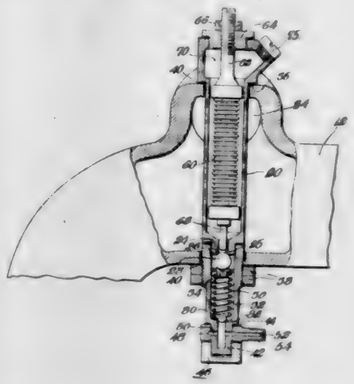
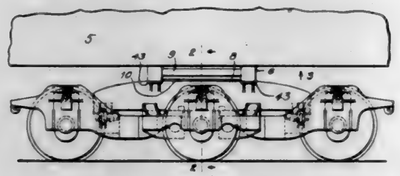
1,560,143. INTERNAL-COMBUSTION MOTOR. WALTER B. CLIFFORD, Framingham, Mass. Filed July 2, 1925. Serial No. 41,075. 15 Claims. (Cl. 123—196.)



1. An internal combustion motor comprising an exhaust manifold having a passage, a tubular member extending across the passage in the manifold and subjected to the direct action of exhaust gases passing therethrough, means for delivering oil to the member, means governed by the temperature of the oil within the member for regulating the admission of oil to the member, and means for discharging heated oil and vapor from the member.

1,560,144. BOLSTER FOR RAILWAY-CAR BODIES. PAUL W. DAY, Baltimore, Md., assignor, by mesne assignments, to Herbert M. Brune, Charles E. Scarlett, and Janon Fisher, trustees, all of Baltimore, Md. Filed Oct. 20, 1923. Serial No. 669,728. 5 Claims. (Cl. 105—196.)



1. The combination with a car body, of a bolster secured thereto and comprising a plurality of side bearings on each side thereof.

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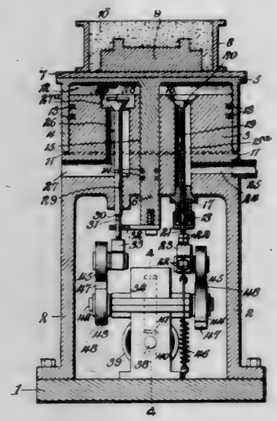
1,560,145. MOLDING MACHINE. HENRY L. DEMMLER, Kewanee, Ill. Filed Aug. 7, 1920. Serial No. 401,924. 5 Claims. (Cl. 121—14.)



1. In a molding machine, the combination of a body member having ports with valve seats, valves for said ports, a sleeve slidably engaging the body member and raised by fluid pressure introduced through one of said ports, an anvil for arresting the sleeve in its descent, levers for operating said valves and having rollers thereon, and means driven independently of the sleeve and coacting with the rollers for operating the levers.

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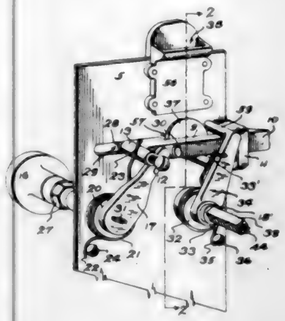
1,560,146. COIN-OPERATED LOCK. EDWIN E. DOUGHERTY, Los Angeles, Calif. Filed Aug. 7, 1922, Serial No. 580,142. Renewed July 13, 1925. 2 Claims. (Cl. 194—74.)

1. In a device of the character described, a coin chute provided with a discharge aperture having opposed side margins spaced apart a distance greater than the diameter of a coin, a retractile bolt below said coin chute provided with a slot through which the coin may fall substantially without interference; the slot having a rear end margin, means for limiting the forward movement of said bolt, yieldable means holding said bolt in forward position as limited by said stop; a finger normally disposed at right angle to the bolt and extended under the slot forwardly of the vertical median line of said discharge aperture, another finger paralleling said first named finger extended above the bolt and slot disposed forwardly of the first named finger, said rear end margin and said fingers forming a support for a coin and arranged to coact when the bolt is in advanced position, to intercept and support a coin gravitating



from said chute, an outside knob, and means whereby said knob on being turned moves both fingers simultaneously rearward in the general direction of the retrograde movement of the lock to react the bolt through the agency of a supported coin.

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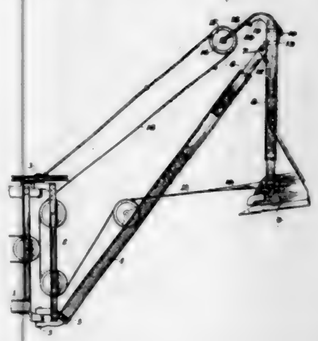
1,560,147. EXCAVATING MACHINE. ROBERT REX DOWNIE, Beaver Falls, Pa., assignor to Keystone Driller Company, Beaver Falls, Pa., a Corporation of Pennsylvania. Filed Jan. 28, 1925. Serial No. 5,249. 6 Claims. (Cl. 214—138.)



1. In an excavating machine, the combination of a boom pivotally mounted for up and down movement, a ditcher stick pivoted to the outer end of the boom and depending therefrom, a hoisting line, a flexible member connecting the hoisting line to the stick above the pivotal connection of the latter with the boom, the upper end of the stick having a portion engageable with said flexible member to displace the inner portion thereof as the lower end of the stick moves toward the boom, thereby increasing the distance between the ditcher stick pivot and the point at which the hoisting line stress is delivered to the upper end of the stick.

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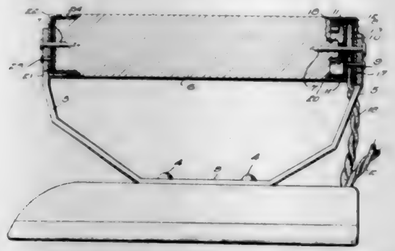
1,560,148. SWITCH FOR ELECTRIC SADIRONS. GEORGE J. EASTER, Niagara Falls, N. Y. Filed Apr. 12, 1922. Serial No. 551,980. 7 Claims. (Cl. 200—157.)

1. In an electric sad iron, a supporting member, a handle rotatably mounted in said supporting member, a contact member carried by said handle, and spaced contacts arranged adjacent said handle, said contact member being adapted to engage one of said spaced contacts at





all times to prevent accidental rotation of the handle and being further adapted to engage another contact when in one position to complete an electric circuit.

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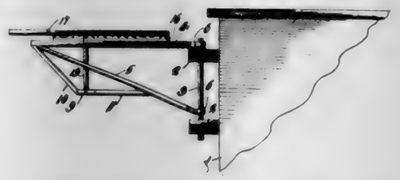
1,560,149. SWINGING STAND FOR DESKS. BENJAMIN H. EBY, Craig, Nebr. Filed Sept. 20, 1923. Serial No. 663,897. 3 Claims. (Cl. 45—90.)



1. In combination with a desk, a stand including an upper triangularly shaped frame, means for pivoting the apex of the frame to the desk, said frame inclining upwardly from the pivoted apex, a second frame depending from the outer end of the first frame and slanting toward the desk, and a member attached to the first frame adjacent its apex and to the lower end of the second frame, and a platform mounted on the first frame.

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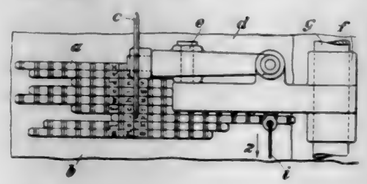
1,560,150. ALIGNING MEANS FOR LINE-BY-LINE COMPOSING MACHINES. ARNOLD AUGUST EGLI, Klein Guemmenen, Switzerland, assignor to the Firm Polygraphische Gesellschaft, Laupen-Bern, Switzerland. Filed Oct. 6, 1924. Serial No. 741,856. 12 Claims. (Cl. 101—93.)



1. In a machine for composing lines of type, movable typecarriers, notches in the typecarriers, and means adapted to align the said typecarriers and to travel past the said notches.

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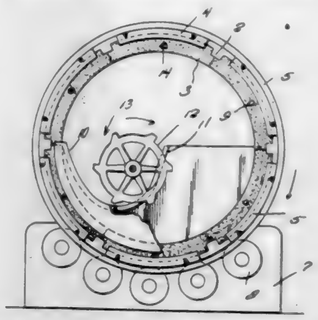
1,560,151. PULP GRINDER. DONALD W. EIPPER, Turners Falls, Mass. Filed Feb. 28, 1925. Serial No. 12,265. 3 Claims. (Cl. 83—75.)

1. In a pulp grinder of the class described, a supporting structure including opposed arcuate rows of anti-friction and bearing rollers, a rotary grinding element supported at its bottom upon said rollers, said grinding element embodying an inner periphery of abrasive material, a relatively stationary hopper open on its bottom side, the abrasive material extending into the hopper through



said open bottom, said hopper being adapted to receive the material to be ground, and means for feeding the material against said abrasive surface and toward the discharge end of said hopper.

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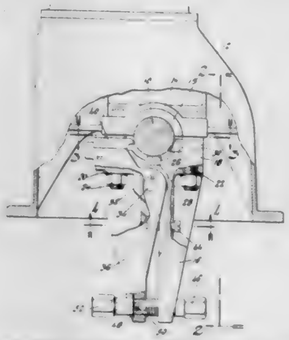
1,560,152. CRANK-SHAFT-TURNING DEVICE. FOREST T. ELLIS, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Nov. 12, 1923. Serial No. 674,330. 9 Claims. (Cl. 82—4.)



1. A crankshaft treating device comprising, in combination, a member having opposite perforated lugs to receive clamping bolts passing into one part of a separable crankshaft bearing, a crankshaft engaging and supporting part mounted on said member between the lugs, and an arm movably mounted on said member and having a crankshaft treating tool arranged to engage and operate on the crankshaft.

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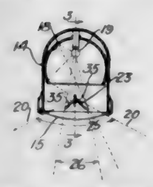
1,560,153. HEADLIGHT FOR AUTOMOBILES. FREDERICK J. ENGEL, Anaheim, Calif. Filed Aug. 24, 1922. Serial No. 584,004. 3 Claims. (Cl. 240—41.)



1. In a headlight of the class described, the combination of: a shell; a reflector situated in said shell; a substantially central obscuring deflector; means whereby

the effective width of said deflector may be varied; and means for so supporting said deflector that it is adjustable between a rearward and a forward position.

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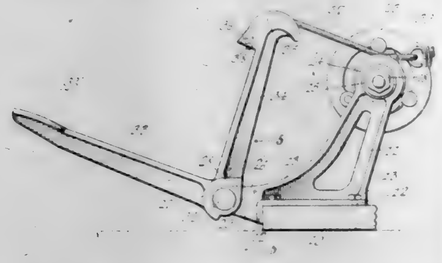
1,560,154. ENGINE STARTER. HERBERT O. EWING, Middleport, Ohio. Filed June 8, 1922. Serial No. 566,870. 3 Claims. (Cl. 74—55.)



1. An engine starter including a bell-crank, a rotatable drum having a helical groove formed in the periphery thereof, a ratchet member carried by the drum, a flexible element secured to the bell-crank and extending around the drum in the helical groove, yielding means for holding the flexible element taut upon the drum, pawls operably supported by the engine shaft and operably associated with the ratchet to thereby impart rotary motion to the engine shaft when the drum is rotated by the movement of the bell-crank.

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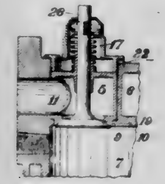
1,560,155. DETACHABLE VALVE MOUNTING. THOMAS MILTON FINLEY and ALLEN W. BROWN, St. Louis, Mo. Original application filed Jan. 14, 1920, Serial No. 351,349. Divided and this application filed Jan. 14, 1920. Serial No. 351,351. 1 Claim. (Cl. 123—189.)



In a device of the class described, the combination of a cylinder provided at the upper end with an opening and having an annular rib thereat forming a horizontal shoulder at the inner end of the opening, a sleeve arranged within the opening and provided at its inner end with a valve seat and with an exterior annular recess receiving the said rib and seated upon the shoulder thereof, said sleeve having a flat end wall at its outer end provided centrally thereof with a tubular extension projecting interiorly and exteriorly of the said end wall, a cap having a cylindrical portion threaded into the opening of the cylinder and engaging the sleeve at the flat outer end wall thereof and provided with a horizontally projecting flange extending beyond the opening of the cylinder and seat upon the exterior of the latter, said cap being also provided with a reduced extension of a materially less diameter than the sleeve and projecting exteriorly of the cylinder and having a substantially cylindrical inner surface, said tubular extension being provided in its outer end with an opening alined with the tubular extension of the end wall of the said sleeve, a valve cooperating with the said seat and having a stem extending through the tubular extension of the cap, a washer mounted on the valve stem and operating in the said extension of the cap and a spring housed within the cap and bearing against the washer and the sleeve for urging the valve outwardly to hold the valve on its seat.

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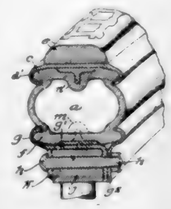
1,560,156. VEHICLE WHEEL. JAMES GAIR and WATKIN SALISBURY WILLIAMS, London, and EDWIN JONES, Liverpool, England. Filed June 16, 1923. Serial No. 645,888. 2 Claims. (Cl. 152—33.)



1. A vehicle wheel including a felloe rim having clencher edges, a tread rim having clencher edges, and tire sections, each having two sets of beads, one set for engagement with the clencher edges of the felloe rim and the other set for engagement with the clencher edges of the tread rim, said tire sections being disposed end to end and constituting a single circumferential means of connecting said felloe rim and tread rim.

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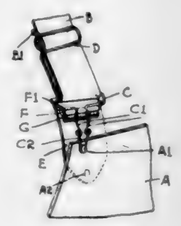
1,560,157. SUSPENDERS. BOB LANSDON GALBRAITH, Oliver Springs, Tenn. Filed Aug. 13, 1924. Serial No. 731,830. 5 Claims. (Cl. 2—230.)



1. The combination with the body of a suspender and the front upper part of an overall and a buckle structure for joining the suspender to said part of the overall, of a shield placed behind the buckle structure and overlapping and free from the lower part of the suspender body and extending behind the upper part of said part of the overall, means securing the shield to the upper part of the buckle structure, and means for securing the lower part of the shield to said part of the overall, substantially as described.

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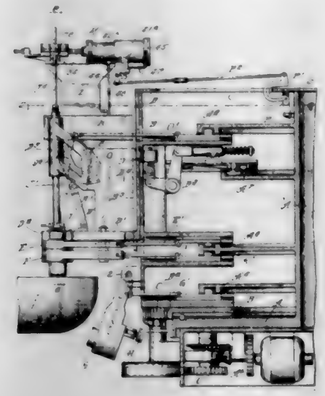
1,560,158. MECHANISM FOR MAKING GLASS CONTAINERS. WARREN E. GLASPEY, Bridgeton, N. J., assignor to Spring Stopper Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 22, 1923. Serial No. 670,042. 9 Claims. (Cl. 49—5.)

3. In combination with a dipping head, a neck mold associated with said dipping head and a gathering mold associated with said neck mold, a mandrel-head adapted to be brought into cooperative relation with said dipping head, a nut carried by said mandrel-head, a mandrel having a thread-equipped tip and having a threaded shank



working in said nut, a tubular rack carrying said mandrel-head, a shaft extending through said tubular rack and serving to turn the mandrel, and mechanism for



rotating said shaft in either direction, the connections between said shaft and its rotating mechanism permitting longitudinal movement of said shaft.

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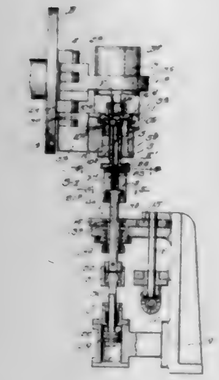
1,560,159. MACHINE FOR MAKING BOTTLES, ETC. WARREN E. GLASPEY, Bridgeton, N. J., assignor to Spring Stopper Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 2, 1924. Serial No. 729,738. 11 Claims. (Cl. 49—36.)



1. In a machine of the character set forth, the combination of a mold-carrier adapted to carry molds in an orbital path, a series of molds mounted on said carrier, a nut mounted below and in alinement with each mold, a mandrel for each mold provided with a thread-equipped tip adapted to extend into the mold cavity and having a threaded shank engaging the corresponding nut and having also a clutch-member at its lower end, a vertical shaft disposed beneath the path of the mandrel and equipped with a clutch-member adapted to engage said first-named clutch-member, means for elevating said shaft, a continuously rotating gear through which said shaft extends, and a friction clutch-member encompassed by said gear and driven thereby and having spline connection with said shaft.

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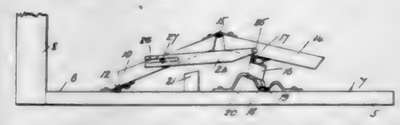
1,560,160. STALL FLOOR. ARSENE HEBERT, Derry, N. H. Filed Apr. 25, 1925. Serial No. 25,787. 6 Claims. (Cl. 119—28.)



1. A stall floor, a front flap having its front end pivoted to the stall floor, a rear flap pivoted to the front flap and normally arranged at an angle to it, and means which support the flaps from the stall floor and automatically force the rear flap upwardly when the pivoted joint portions of the flaps are depressed.

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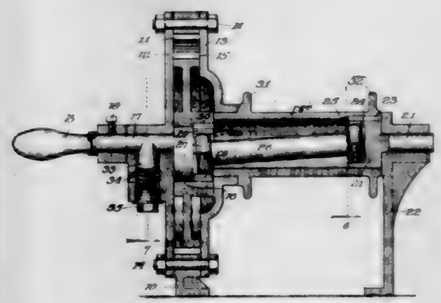
1,560,161. GEAR REDUCTION. ARTHUR C. HOPKINS, Niles, Mich. Filed Nov. 8, 1923. Serial No. 673,495. 5 Claims. (Cl. 74—34.)



1. In a gear reduction, a driving shaft, a driven shaft, a stationary housing having an internal gear fixed thereto, a movable gear meshing with said fixed gear and eccentric thereto, guides at the sides of said movable gear, a cam on said driving shaft journaled concentrically in said movable gear, and a flexible driving means connecting said movable gear and driven shaft.

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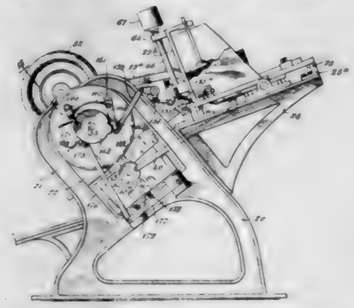
1,560,162. MACHINE FOR MAKING PAPER-BOX BLANKS. JOSEPH HEEN, Kingston, N. Y., and CARL EISENLOHR, Newark, N. J. Filed July 7, 1923. Serial No. 650,024. 19 Claims. (Cl. 93—55.)



1. In a machine for making paper box blanks, a plurality of sheet holding magazines inclined to the horizontal, a pressing mechanism arranged at a greater inclination to the horizontal than said magazines and means to feed the sheets from said magazines to said

pressing mechanism, said inclination of said pressing mechanism being sufficient to cause the sheets to slide thereover by gravity after they are withdrawn from said magazines; and stops projecting into the path of movement of said sheets to stop the sliding movement thereof when said sheets reach the proper position to be operated on by said pressing mechanism.

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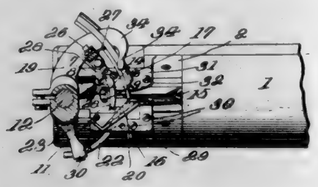
1,560,163. FLAT-SEAM SEWING MACHINE. ROBERT R. HUGHES, Jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed July 2, 1920. Serial No. 393,681. 13 Claims. (Cl. 112—123.)



6. The combination with stitching mechanism, a presser foot having a V-shaped guiding recess adapted to receive the upturned edge portions of fabric sections, trimming devices operating to trim the upturned edge portions passing into said guiding recess, a V-shaped device for positively turning the edge portions from the plane of the fabric sections into vertical position and directing the same into said guiding recess, and devices movable independent of the presser foot operating upon the trimmed edge portions between the trimming devices and the stitching mechanism for turning down said trimmed edge portions prior to the stitching of the same, said trimming devices being disposed so that said edge portions when returned to the plane of the fabric sections for stitching will overlap within the limits of the stitching mechanism.

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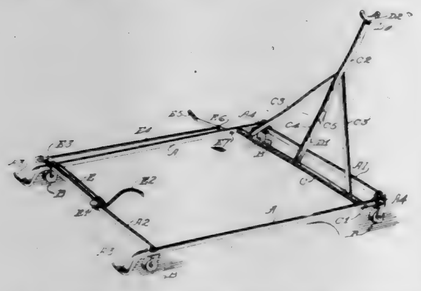
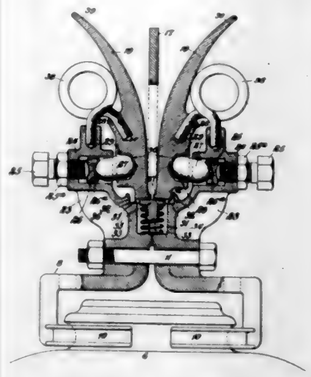
1,560,164. TRUCK. WILLIAM F. JARNAGIN, Rutledge, Tenn. Filed Mar. 7, 1924. Serial No. 697,619. 6 Claims. (Cl. 280—61.)



1. In a truck, a horizontal frame, wheels supporting said frame, hooks located on the forward end of the frame and forward of the forward wheels and adapted to reach under the forward axle of an automobile chassis structure placed in an inclined position the forward end resting on a floor and the rear end being elevated, an adjustable support located at the rear of said frame and adapted to reach upward for engaging and supporting the rear end of the chassis structure, and operator-controlled means for raising the forward end of the truck including the forward wheels from the floor, substantially as described.

1,560,165. HIGH-TENSION SWITCH. TOMLINSON FORT JOHNSON, Jr., Atlanta, Ga. Filed Nov. 17, 1923. Serial No. 675,367. 23 Claims. (Cl. 200—170.)



1. A switch comprising a pair of spaced jaws with opposed plane faces, and a switch blade movable into contact with said plane faces to close the switch, said jaws being movable in the same direction with the blade as the latter approaches its closed position.

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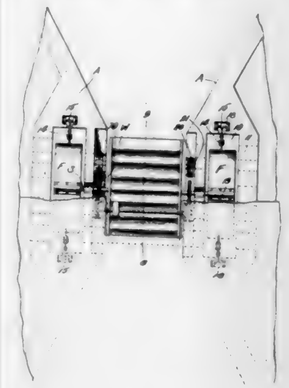
1,560,166. WATER MOTOR. JOHN D. JONES, Highland Park, Ill. Filed Dec. 16, 1924. Serial No. 756,276. 9 Claims. (Cl. 170—107.)



1. A water motor of the class described including a water wheel, a shaft for the water wheel, floats upon which the ends of the shaft are journaled, abutments at opposite sides of the water wheel and having wells for the floats, guideways in the abutments, and the guide means associated with the floats and movable in said guideways.

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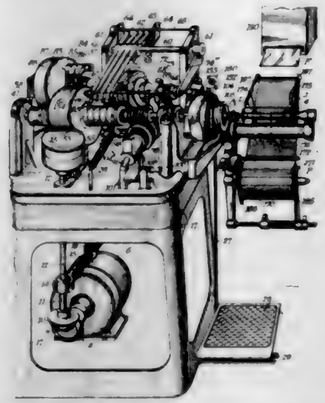
1,560,167. SEMIAUTOMATIC FILM-SPOOLING LATHE. JOHN G. JONES, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 18, 1921. Serial No. 516,229. 56 Claims. (Cl. 242—57.)

11. In a film spooling machine, the combination with a spindle for rotating a spool, of a motor driven means for revolving the spindle a predetermined number of revolutions, means for manually turning the spindle when the motor driven means is not rotating the spindle, and a latch, operable when the spindle is moved through either of the turning means adapted to position the spindle relative to the motor driven means for revolving



the spindle a predetermined number of revolutions to insure the proper relative position between the spindle and the means for revolving the spindle through a predetermined number of revolutions at the start of the winding operation.

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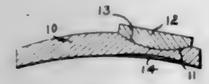
1,560,168. PROCESS FOR PRODUCING LENSES AND THE PRODUCT. MAX A. LAABS, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 27, 1925. Serial No. 26,159. 11 Claims. (Cl. 49—82.1.)



1. A process for producing multifocal lens blanks consisting in forming a major portion with a recess in one of its surfaces, securing a button of a different refractive index in the recess, countersinking the opposite surface of the major portion behind the button, and bending the major portion and button to change the surfaces of the recess and button.

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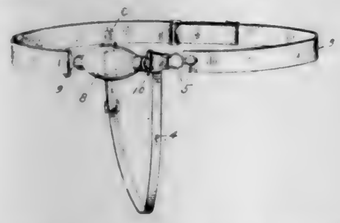
1,560,169. RUPTURE APPLIANCE. ANTOINE J. LA DUKE, Minneapolis, Minn. Filed Nov. 26, 1923. Serial No. 677,176. 3 Claims. (Cl. 128—100.)



3. A device of the character described consisting of a resilient bulb having oppositely arranged perforations, a member extending through the perforations and having enlargements at its ends to prevent longitudinal expansion of the bulb.



1,560,170. CONCENTRATION OF ORES. CARL PIERCE LEWIS, Burlingame, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y., a Corporation of Maryland. Filed Mar. 31, 1924. Serial No. 703,260. 4 Claims. (Cl. 83—85.)

1. The process of concentrating ores which consists in agitating a suitable acid pulp of an ore with a mineral frothing agent and a sulphur derivative of carbonic acid yielding anions and cations in solution to produce by the action of both a mineral-bearing froth containing a large proportion of a mineral of the ore, and separating the froth.

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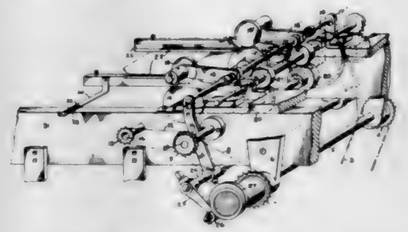
1,560,171. PAPER-BLANK-FEEDING MECHANISM. HENRY BRADY, Bloomfield, and ADIN W. HILSINGER, Orange, N. J., assignors to Henry Brady, Inc., a Corporation of New Jersey. Filed June 30, 1922. Serial No. 572,050. 5 Claims. (Cl. 271—53.)



1. In a blank feeding device of the class described, pairs of contacting rolls for passing the blanks successively beneath a forming mechanism, and in combination therewith a stop for controlling the feed of said blanks, and means for withdrawing part of said feeding rolls from the path of movement of said forming mechanism.

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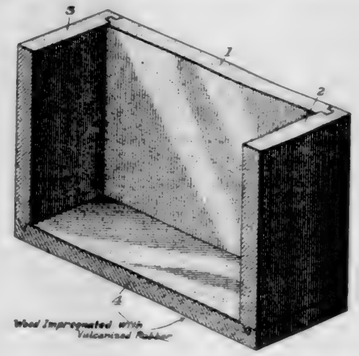
1,560,172. BATTERY CONTAINER. RUFUS N. CHAMBERLAIN, Chicago, Ill., assignor to Gould Storage Battery Company, Inc., a Corporation of New York. Filed Sept. 15, 1921. Serial No. 500,913. 6 Claims. (Cl. 136—166.)




4. A storage battery container composed of wood and having its pores completely filled and its fibers encased in a rubber compound, substantially as described.

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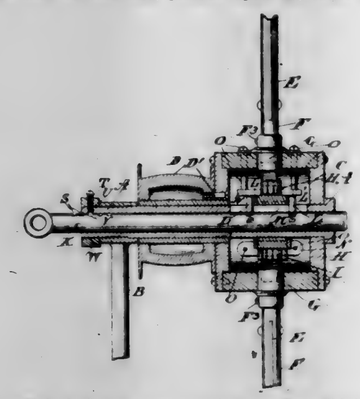
1,560,173. ADJUSTABLE RADIATOR FAN. CARL F. EHINGER, Cleveland, Ohio. Filed Nov. 14, 1924. Serial No. 749,983. 15 Claims. (Cl. 170—163.)

1. In combination with a hollow stationary fan shaft and rigid support therefor, of a hollow fan hub, and a

pulley secured thereto and revolvable on said hollow shaft, fan blades and radial shafts therefor revolvable in the wall of said hub, pinions upon the inner ends of



said radial shafts, a rack carrying member slidable upon said fan shaft, and a rod longitudinally movable in said fan shaft, and means for engaging said rod with said rack carrying member.

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1,560,174. RUBBER-FACED PAVING AND LIKE BLOCK. LUCIEN GAISMAN, Hooleyhill, near Manchester, England. Filed Mar. 7, 1923. Serial No. 623,389. 9 Claims. (Cl. 94—15.)



1. A paving block having in its top edges and at each corner segmental undercut recesses, the recesses opening on to the side and end faces of the block and those in the edges approximately semi-circular in plan and those at the corners being rather more than a quarter of a circle and less than a semi-circle in plan, in combination with a rubber slab of like proportions in plan to the top face of the block and having on its underface and along its lower edges and bottom corners, segmental projections corresponding in shape and size with the recesses in the block, and on the slab being applied to the block completely filling same and preventing end or sideways movement of the slab in all directions, as set forth.

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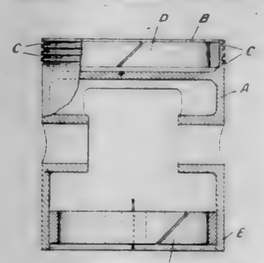
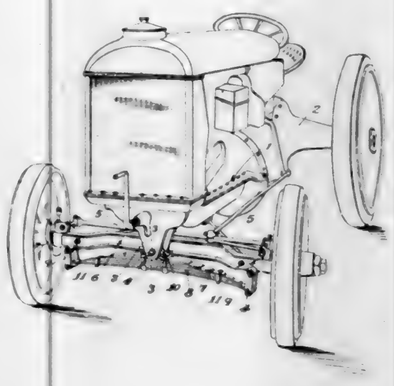
1,560,175. PISTON. GLEN HANSON and HENRY G. HANSON, Minneapolis, Minn. Filed Dec. 20, 1924. Serial No. 757,293. 2 Claims. (Cl. 74—108.)



1. A piston having an annular flange extending from its upper end, and a compression ring arranged within the flange, said flange having a series of oil grooves in its outer periphery.

1,560,176. TRACTOR FRAME SPRING SUPPORT. ROY C. HAWKINS and ERNEST S. HIXSON, Long Beach, Calif. Filed Mar. 10, 1923. Serial No. 624,086. 1 Claim. (Cl. 280—112.)



1. A tractor frame spring support comprising in combination a front axle having a vertical web, flanges on said web, swiveling shackles comprising bolts extending through the axle and having swivel links with a bolt in the lower end of the links, said shackles being suspended from the axle adjacent the ends thereof, an offset section of the axle rearwardly in the center portion and on the same horizontal level with the ends, a leaf spring having its ends secured to the bottom bolts of the shackles, a bearing block attached to the top of the spring at its central position, a pin extending horizontally in front to rear direction through the bearing block, said pin being on substantially the level of the axle, and a pair of bearing plates attached to a tractor forming part of a tractor frame extending downwardly on both sides of the bearing block and secured to the pin therethrough, said bearing block being in a straight line with the ends of the axles.

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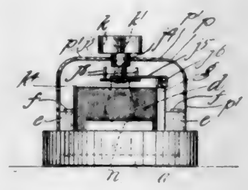
1,560,177. ELECTRICAL SWITCH. ALEXANDER LIBARD, Middle Brighton, near Melbourne, Victoria, Australia. Filed Jan. 18, 1923. Serial No. 613,485. 3 Claims. (Cl. 201—55.)



1. A device of the character described, comprising, a base, a perforated block on the base, a resistance winding on the block, a U-shaped conductor arm fixed to the base and leading to a point above the winding, a contact arm pivoted to the conductor arm, and a roller on the contact arm in contact with the upper surface of the windings.



1,560,178. INDUCTANCE COIL. DIMMITT ROSS LOVEJOY, New York, N. Y., assignor to Lovejoy Development Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 14, 1924. Serial No. 732,021. 11 Claims. (Cl. 175—359.)

1. An inductance coil in the form of a self-supported multi-turn helix of uniform diameter, in which the adjacent sections of successive turns are radially staggered and parallel with respect to each other.

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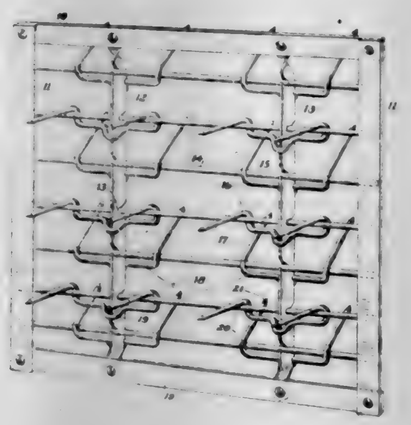
1,560,179. DRYING RACK FOR SEED CORN AND THE LIKE. THEODORE LUBBEN, Clarinda, Iowa. Filed Dec. 9, 1924. Serial No. 754,803. 7 Claims. (Cl. 34—26.)



1. A drying rack comprising a frame with bars extending across the same, rods supported transversely of the bars, and yokes supported at the intersections of the bars and rods each yoke having a loop for receiving the bar, and prongs with their outer ends bent so as to embrace the rod and to extend laterally therefrom, whereby the weight of the ears supported by said prongs holds the loop in engagement with the bar.

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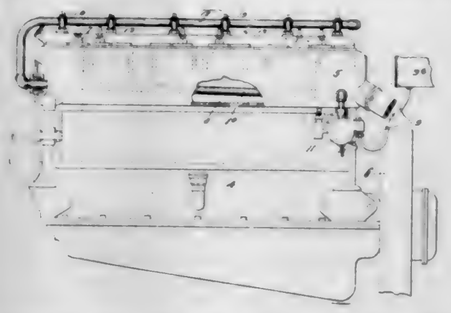
1,560,180. SUPERHEATED-STEAM EQUIPMENT FOR INTERNAL-COMBUSTION ENGINES. RAYMOND L. LUNT and FRANK M. HENRY, Minneapolis, Minn., assignors to The Hi-Power Company, Minneapolis, Minn., a Corporation of South Dakota. Filed Oct. 8, 1920. Serial No. 415,571. 5 Claims. (Cl. 123—25.)

1. The combination with an internal combustion engine, of a flashing plate of less diameter than the engine cylinder located entirely within the explosion end of the engine cylinder, means outside of the engine cylinder for



generating steam, and means for delivering steam thus generated against said flashing plate while the latter is hot.

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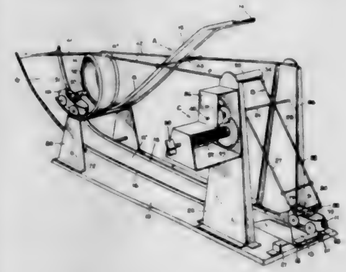
1,560,181. MECHANICAL TOY. LOUIS MARX, Brooklyn, N. Y. Filed June 17, 1925. Serial No. 37,683. 6 Claims. (Cl. 104—55.)



1. A mechanical toy comprising track means on which a carriage is adapted to travel gravitationally from an elevated start position to a lower stop position, the said track means including a loop section providing a loop path for part of the travel of the carriage, and a rotary elevating means operative for engaging the carriage when the same is at the lower stop position, for elevating the same and depositing the same on the track means at the elevated start position, and a motor mechanism for operating the elevating means.

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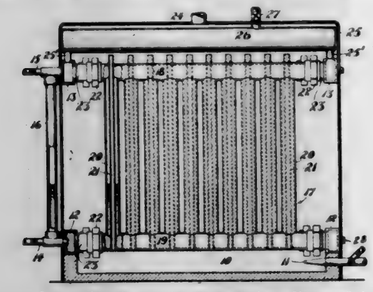
1,560,182. AUTOMOBILE BOILER. JAMES A. MEADS, Sacramento, Calif. Filed Mar. 23, 1921. Serial No. 454,604. 1 Claim. (Cl. 122—271.)

In a steam generator for vehicles, a plurality of vertically disposed tube units arranged at spaced distances apart and in alignment with each other, each of said units comprising horizontal upper and lower tubes and a plurality of vertically disposed tubes connected therewith and interposed therebetween to establish communication between said horizontal tubes, horizontal headers arranged at right angles to the tube units and disposed along opposite ends of the upper and lower horizontal tubes to establish communication therebetween, detachable connections between the ends of the horizontal tubes of each unit and the headers whereby the units may be individually removed without disturbing the other units, a flue pipe disposed concentrically within each vertical tube, said flue pipes extending through and across the horizontal tubes, a water inlet connection for the lower headers, a steam dome,

connections between the steam dome and the upper headers, and removable plugs in the sides of one upper



and one lower header, said plugs being disposed in alignment with the horizontal tubes of the tube units to permit cleaning thereof.

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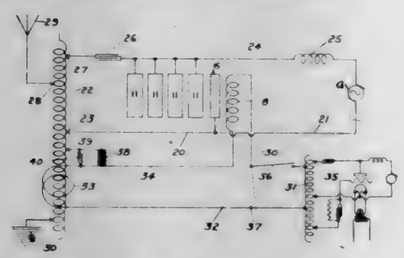
1,560,183. VACUUM TUBE. FREDERICK S. MCCULLOUGH, Wilkinsburg, Pa. Filed Dec. 11, 1922. Serial No. 606,345. 14 Claims. (Cl. 179—171.)



8. In a thermionic tube having an anode and a cathode, a grid in the tube for controlling the space current comprising a coil through which oscillating currents may be passed to inductively heat the cathode and means for supplying oscillating currents to said grid.

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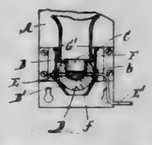
1,560,184. TEA MEASURING AND DELIVERING APPLIANCE. NORMAN WILLIAM MCLEAN and WILLIAM ALEXANDER KYLE, Palmerston North, New Zealand. Filed May 21, 1923. Serial No. 640,541. 2 Claims. (Cl. 221—106.)



1. A measuring and delivering appliance comprising a frame, a tubular neck secured to extend vertically on the front of said frame, a ball fitted to rotate on a horizontal axis within said tubular neck and having a cavity formed in its peripheral surface in the line of its rotation, a holder for the material to be measured having a mouth adapted to enter the top of said neck and be supported on the ball to form a closure for the holder, and means for connecting the upper end of said holder with the frame.

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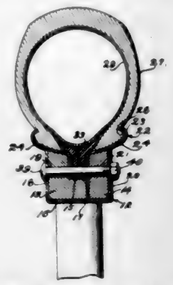
1,560,185. MOTOR-VEHICLE WHEEL. JAQUELIN M. MEREDITH, Norfolk, Va. Filed Mar. 24, 1925. Serial No. 17,980. 6 Claims. (Cl. 152—20.)

2. In combination, a wheel felly, a rim split longitudinally to provide a pair of sections, each section having parallel inwardly extending radial flanges, a tire flap having portions adapted to be arranged between a tire and inner tube carried by said rim, said flap having an inwardly extending circumferential flange arranged between



the flanges of said rim sections, and means carried by said felly for clamping the flanges of said rim sections against the flange of said flap and to said felly.

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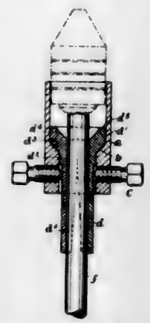
1,560,186. PIPE-FLANGING TOOL. THOMAS H. MUTH, Paterson, N. J. Filed Sept. 26, 1924. Serial No. 740,006. 7 Claims. (Cl. 153—79.)



1. In a swaging implement, a passaged holder having means to grip substantially positively the piece to be swaged upon the latter being placed in the passage of said holder with one end projecting, said holder having an anvil surface arranged to support said end of the piece in the swaging and also a gaging abutment adapted to limit the gaging thrust of a gaging device to press against said end and force the piece into the holder before said means is made to positively grip the piece, in combination with such gaging device guided in said holder and movable against the gaging abutment.

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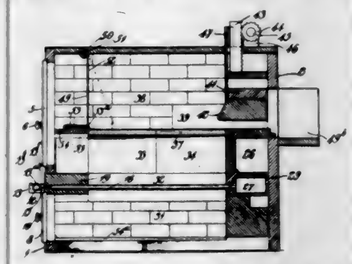
1,560,187. SMOKE CONSUMER AND FUEL ECONOMIZER. JOSHUA GOODALL NAYLOR, Hawthorn, near Melbourne, Victoria, Australia. Filed Oct. 11, 1922. Serial No. 593,816. 3 Claims. (Cl. 110—163.)



1. An apparatus for generating power, comprising, a fire box, a flame tunnel leading from the fire box to a boiler, and means for adjusting the flow section of the tunnel, said means including a vertically adjustable bridge block, the bottom of the block forming the entire top contact portion of said flame channel.

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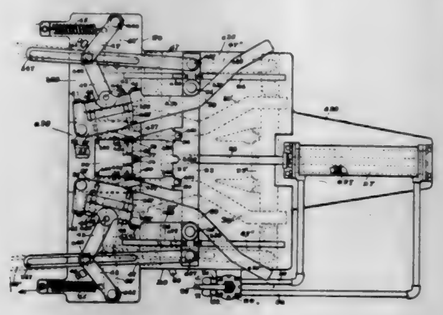
1,560,188. LINK-MAKING PRESS. NELS R. OLSON, Bellingham, Wash. Filed Sept. 20, 1924. Serial No. 738,771. 4 Claims. (Cl. 59—1.)



1. In a machine of the character described in combination, a shape block, a pair of press shoes one pivoted for oscillation on each side of said shape block, a pair of reciprocable press fingers one adapted to enter each triangular space producible between each of said oscillatable press shoes and the sides of said shape block, and a reciprocable prime mover adapted to separately reciprocate said press fingers and oscillate said press shoes whereby a link bar set against one end of said shape block is looped by said press fingers in said tringular spaces and then folded against said shape block sides by said press shoes.

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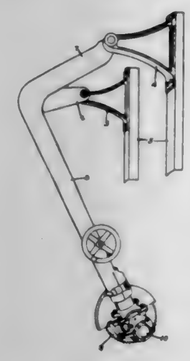
1,560,189. SWING-SAW MOUNTING. WILLIAM F. PFAU, Cincinnati, Ohio, assignor to Elizabeth Towsley, Cincinnati, Ohio. Filed Sept. 27, 1923. Serial No. 665,084. 1 Claim. (Cl. 143—46.)



In a swing saw, the combination with a swing arm, means for supporting same at its upper end, a rotating cutting element mounted in the lower end, said arm having one bend only therein, said bend disposed near the upper end and projecting away from the vertical plane of the support to throw the lower end carrying the saw away from the operator, said cutting element having its center of rotation aligned with the arm portion extending below said bend.

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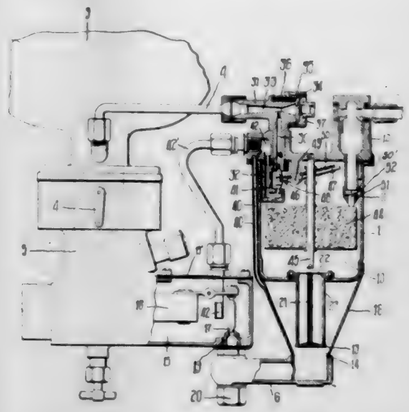
1,560,190. VACUUM-PUMP SYSTEM. EUGENE C. RICHARD, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Oct. 17, 1919. Serial No. 331,465. 4 Claims. (Cl. 158—36.)



1. A fuel supplying system for internal combustion engines including a chamber to which fuel is elevated by suction, means for applying suction to said chamber, means including a Venturi tube flaring outwardly in opposite directions from an intermediate throat portion of lesser diameter, means for applying engine suction to one of said flaring portions, said other end portion terminating in a valve seat, a passage connecting said chamber to said throat portion, and a valve arranged to close against said seat under conditions of high engine suction.

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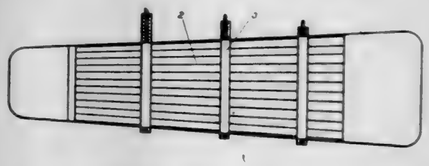
1,560,191. SKIRT PLAIT HOLDER. CARRIE M. ALLEN, Lompoc, Calif. Filed Nov. 26, 1924. Serial No. 752,485. 1 Claim. (Cl. 68—10.)



A work holder for ironing boards comprising a holding member adapted to lie upon the surface of the board, and angularly bent at one end, a clip carried by the other end of said holding member and extending angularly therefrom in the same direction as the angularly bent portion and adapted to engage the edge of said board, a rod reciprocably mounted within the angularly bent portion of the holding member, a second clip carried by the end of said rod, a spring coiled about the rod and bearing on the second clip and angularly bent portion of the rod, said clips converging downwardly toward each other.

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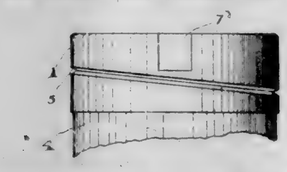
1,560,192. CORE TIP. EWEN M. ALLAN, Sault Ste. Marie, Ontario, Canada. Filed May 12, 1925. Serial No. 29,849. 2 Claims. (Cl. 242—68.)

1. An integrally formed core tip of drawn and rolled sheet metal comprising an annular member provided with a flange at its inner edge and a flange at its outer

edge, said flanges forming between them a channel in which the end of the core is adapted to be received, one of said flanges being provided with a spiral rib



roller thereon commencing at a point adjacent the edge of its channel side whereby, by rotating the tip relative to the core, the tip may be worked on or off the core.

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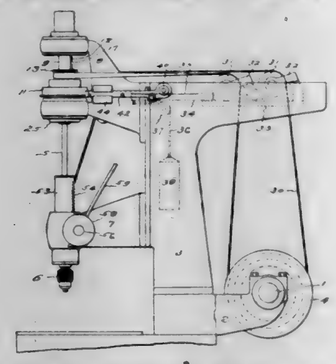
1,560,193. DRILLING MACHINE. WILLIAM G. ALLEN, West Hartford, Conn., assignor to The Henry & Wright Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 19, 1922. Serial No. 582,894. 4 Claims. (Cl. 64—5.)



2. A driving mechanism for drill presses comprising a driving pulley, a spindle pulley, idler pulleys, a belt passing around the driving and spindle pulley and over the idler pulleys, said idler pulleys being adjustable for tensioning the belt, a weight adjustably connected with the idler pulleys whereby the tension of the belt may be determined by the position of the weight, and means for giving more tension to the belt than that imparted by the weight.

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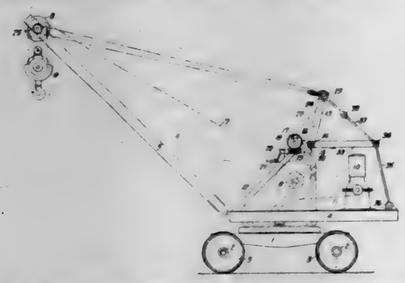
1,560,194. CRANE OR THE LIKE. EDWIN J. ARMSTRONG, Erie, Pa., assignor, by direct and mesne assignments, to Erie Steam Shovel Company, Erie, Pa., a Corporation of Pennsylvania. Filed Sept. 4, 1923. Serial No. 660,774. 1 Claim. (Cl. 212—59.)



In a crane or the like, the combination of a platform; a drum on the platform; posts on which the drum is mounted; a hinged strut mounted on the posts comprising members at each side of the drum; a boom hinged on the platform; supports running from the strut members to the boom; thrust bars extending rearwardly from the strut members; collapsible connection between the thrust bars and the strut members; and links between the thrust bars and the platform.

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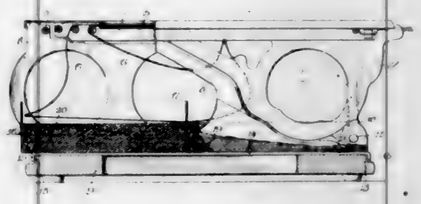
1,560,195. AUTOGRAPHIC REGISTER. ENGLAND J. BARKER, Chicago, Ill., assignor to United Autographic Register Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 17, 1924. Serial No. 686,780. 5 Claims. (Cl. 282—15.)



1. An autographic register comprising a base, the ends of which are shouldered, side walls extending upwardly from the longitudinal sides of said base, a platen suitably mounted in the upper portion of said register, a tray removably disposed upon said base and adapted to receive a package of folded paper, the ends of said tray being provided with downturned elements to engage the shoulders at the ends of said base whereby accidental displacement and longitudinal movement of the tray is prevented.

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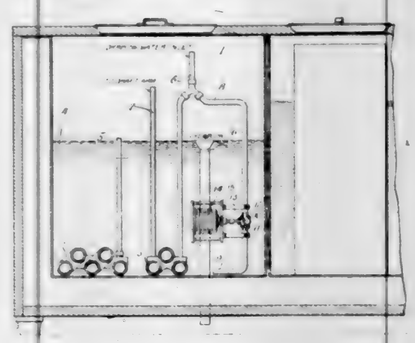
1,560,196. SAFETY TEMPERATURE CONTROL. CHARLES L. BASTIAN, Chicago, Ill., assignor to The Bastian Blessing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 5, 1925. Serial No. 7,002. 11 Claims. (Cl. 236—18.)



1. In a device of the class described, a compartment, a container in said compartment, a cooling medium surrounding said container, and means to supply heat to said medium, said means being operated when said medium reaches a predetermined temperature.

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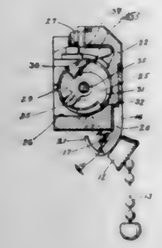
1,560,197. PULL SWITCH. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 18, 1922. Serial No. 561,861. 5 Claims. (Cl. 240—123.)

1. A pull switch mechanism comprising an insulating base, a pull switch mechanism mounted thereon, a pull



member, a curved slotted bracket, a tubular guide for the pull member having a shank portion extending into



said slot whereby relative adjustment between said curved slotted bracket and tubular guide may be effected, and a nut into which said shank is threaded.

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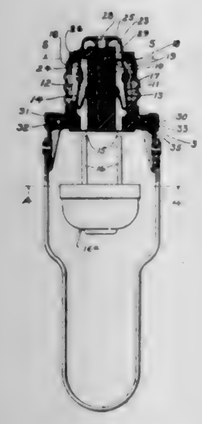
1,560,198. ATTACHMENT PLUG. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 18, 1922. Serial No. 561,863. 5 Claims. (Cl. 173—343.)



1. An attachment plug comprising, in combination, a base, a swivel shell contact surrounding said base and supported thereon, a center contact on said base, a blade engaging contact electrically connected with said center contact, a second blade engaging contact electrically connected with said swivel shell contact, said swivel shell contact having a flange thereon, a pair of insulating discs supported on said flange, a casing clamping said discs on said flange, and an extension handle secured to said casing.

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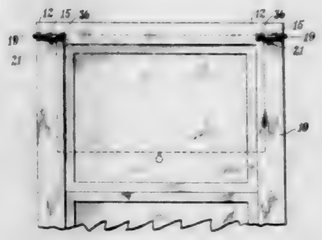
1,560,199. ADJUSTABLE WINDOW-SHADE SUPPORT. GEORGE BERCZIK, Daisytown, Pa. Filed Feb. 25, 1925. Serial No. 11,422. 2 Claims. (Cl. 156—24.)

1. A window shade bracket comprising a base, a housing thereon, a screw shaft supported by and in said housing, a trunnion-receiving element supported by said shaft and having a circular groove through which said shaft passes freely, a semi-cylindrical nut member supported by the said trunnion-receiving element and normally operatively engaged with said shaft, resilient means urging said nut member to inoperative position, and a movable



channeled element in said housing extending substantially the full length thereof retaining the nut member operatively engaged with the shaft.

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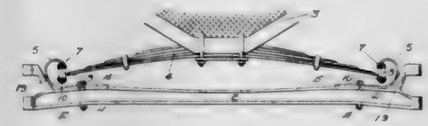
1,560,200. AUTOMOBILE SPRING CONSTRUCTION. JOSEPH F. BERNHARDT, Pittsburgh, Pa., assignor to Triangle Automobile Spring Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 16, 1924. Serial No. 743,941. 5 Claims. (Cl. 267—46.)



1. The combination with an axle having a steering knuckle bracket and a main body supporting spring, of an intervening C-shaped spring having a flattened shank portion resting on the axle, a washer plate having a lateral wing extending down over the edge of the shank portion and engaging the side face of the axle, and a securing bolt extending through the washer plate, spring shank, and axle respectively.

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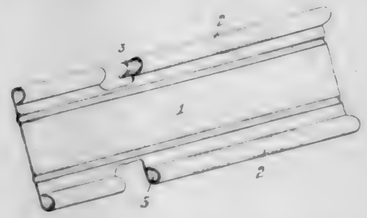
1,560,201. MANUFACTURE OF SHEET-METAL ARTICLES. JEREMIAH BINGHAM, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 3, 1924. Serial No. 747,410. 2 Claims. (Cl. 153—63.)



1. The method of bending a sheet metal blank which consists in providing a blank with an edge roll, inserting into the roll a core of metal softer than the metal of the blank, transversely bending the blank with the roll and core, and heating the roll to melt and thereby remove the core.

1,560,202. METHOD FOR THE PURIFICATION OF GASES. HERMAN A. BRASSERT, Chicago, Ill., assignor of one-half to Charles W. Andrews, Duluth, Minn. Filed Nov. 30, 1923. Serial No. 677,916. 3 Claims. (Cl. 183—119.)

1. The method of purifying metallurgical gases which comprises passing the gases through materials heated to a temperature higher than the fusion temperature of the impurities, whereby the impurities are sintered.

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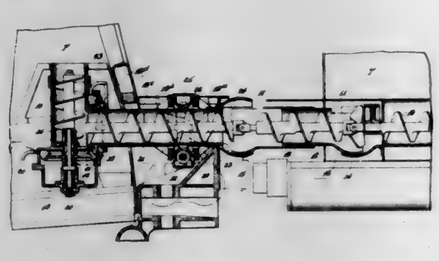
1,560,203. STOKER. JAMES A. CAREY, New York, N. Y., assignor to The Standard Stoker Co., Inc., New York, N. Y., a Corporation of Delaware. Filed Nov. 1, 1919. Serial No. 335,100. 32 Claims. (Cl. 198—15.)



1. The combination with a passaged structure, means to advance material therethrough comprising a rotary screw having its axis extending longitudinally of the axis of the structure, a driving gear coaxial with said screw and having the portion which connects the periphery and the axis portion thereof shaped to form a section of the screw, said section having an equal pitch with respect to the other convolutions of the screw whereby material is uniformly advanced through the passaged structure.

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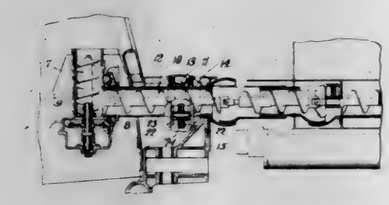
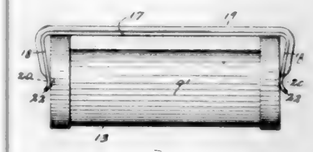
1,560,204. STOKER. JAMES A. CAREY, New York, N. Y., assignor to Standard Stoker Company, Incorporated, New York, N. Y., a Corporation of Delaware. Filed June 28, 1921. Serial No. 480,985. 6 Claims. (Cl. 198—15.)



1. In a conveyor for stokers, in combination, a conveyor screw, a passaged structure therefor, a support for said passaged structure, a spur gear mounted in a section of said passaged structure and connected to said conveyor screw for driving the same, a driving engine having a driving gear train mounted thereon and forming therewith a unitary driving element, said gear train including a gear on the engine crank shaft and a spur gear meshing in driving relation with said screw spur gear, a casing for said engine and gear train and a support for said unitary driving element carried by the support for said passaged structure, said unitary driving element being removable from its support and replaceable thereon as a unit from and to driving relation respectively with said screw spur gear.

1,560,205. ICE-CREAM-CENTER MOLD. WILLIAM W. CASSELL, Vincennes, Ind. Filed Sept. 11, 1922. Serial No. 587,342. 1 Claim. (Cl. 107—19.)



A mold for ice-cream or the like comprising one or more longitudinal body-members open at their ends, caps to close the ends of the mold having flanges to receive and over-lap the end portions of the body members, and a straight bar of strap spring metal having end fingers in the same lateral direction, substantially parallel with each other, receiving the assembled mold between them with the fingers contacting the caps and locking the mold together, the bar having a longitudinal corrugation from finger to finger and toward the ends of the fingers, and uncorrugated finger ends which are bent outwardly, said caps having centrally located indents and the fingers having detents in their uncorrugated portions entering the indents to prevent accidental displacement of the fingers.

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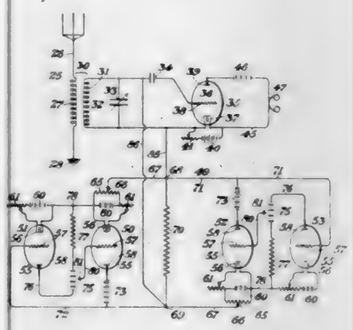
1,560,206. METHOD AND SYSTEM FOR THE TRANSMISSION OF RADIANT ENERGY. EMORY LEON CHAFFEE, Belmont, Mass., assignor to John Hays Hammond, Jr., Gloucester, Mass. Filed Apr. 25, 1918. Serial No. 230,722. 24 Claims. (Cl. 250—20.)



1. In a radio receiving system, the combination with an oscillation detector, of means to protect said detector from high potential effects of a given polarity, comprising a primary and a secondary thermionic valve connected in parallel to the detector circuit.

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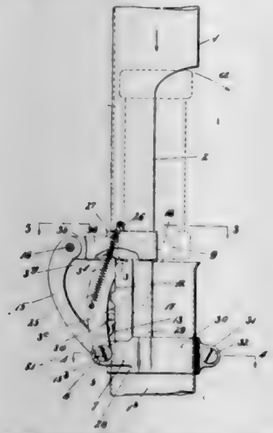
1,560,207. RESISTANT-SURFACE ALLOY OF IRON. GEORGE H. CHARLS, Canton, Ohio, assignor to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Apr. 14, 1924. Serial No. 706,567. 10 Claims. (Cl. 75—1.)

1. A resistant-surface alloy of iron containing as the principal elements, in combination with the iron, silicon from .50% to 6.0%, chromium from 3.0% to 30.0%, and molybdenum in an effective amount not exceeding .35%.



1,560,208. SELECTOR DEVICE. ROBERT C. CHILD, Brookline, Mass., assignor, by mesne assignments, to The Lamson Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 8, 1921. Serial No. 520,877. 29 Claims. (Cl. 243—16.)



21. Separator mechanism comprising a movable abutment member, a detector member movable in a different path, and means whereby movement of the detector member is positively transmitted to the abutment member.

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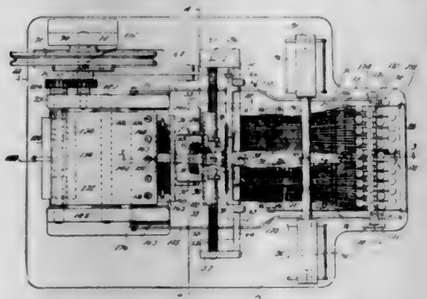
1,560,209. EMBOSSING MACHINE. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 14, 1923. Serial No. 638,717. 45 Claims. (Cl. 197—6.)



1. In an embossing machine, the combination with embossing dies, of a shiftable carriage adapted to carry the material to be embossed, a keyboard having keys corresponding to different characters, and mechanism controlled by the keyboard for shifting the carriage to bring the material into coaction with a corresponding die.

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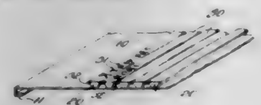
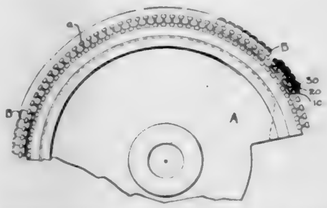
1,560,210. FLEXIBLE PRINTING FORM. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 6, 1923. Serial No. 678,888. 3 Claims. (Cl. 101—377.)



1. A flexible blanket comprising an uninterrupted flexible sheet of metal, and parallel bars with overhanging edges joined to the face of the sheet.

1,560,211. REMOVABLE INSERT FOR PRINTING FORMS. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 11, 1924. Serial No. 725,369. 14 Claims. (Cl. 101—377.)



1. The combination of a holder having a downwardly extending holding device whereby it may be mounted in a printing machine and an upwardly extending retaining device, a plate adapted to be mounted on the holder by means of said retaining device, and embossed printing strips mounted on said plate.

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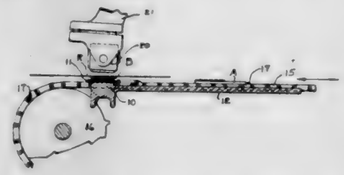
1,560,212. ADDRESSING MACHINE. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 11, 1924. Serial No. 725,370. 16 Claims. (Cl. 101—47.)



2. In an addressing machine, the combination, with address plates of different thickness, of a bed adapted without adjustment to support such plates at a constant elevation.

9. The combination with a relatively thin address plate and a relatively thicker address plate having a grooved bottom, of a machine having a supporting member for the plate, said supporting member having projections of a height corresponding to the difference in thickness between the two types of plates.

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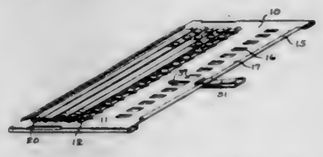
1,560,213. INDEX TAB FOR ADDRESS PLATES. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 6, 1925. Serial No. 28,374. 15 Claims. (Cl. 101—369.)



1. The combination, with an address plate having a series of openings, of an index tab and having a tongue portion adapted to extend through one of such openings onto the opposite side of the plate, and having a locking portion to bear on the plate in another region.

10. An index tab of the character described comprising a strip of metal intermediately doubled on itself to provide two legs, a shoulder on one leg and a tongue

portion formed on the other leg parallel with the body of the leg but offset therefrom toward the plane of the leg having the shoulder.

14. An address plate having means thereon for carrying an address and having a row of openings parallel with one edge of the plate, and a row of projections between the openings and edge and laterally aligned with the openings.

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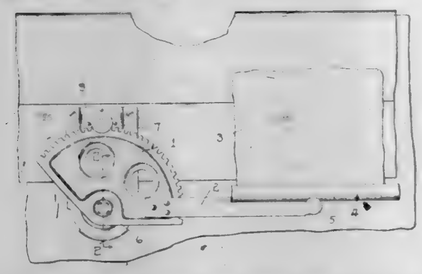
1,560,214. WINDOW-REGULATING MECHANISM. ANGELO ROBERT CLAS, Toledo, Ohio, assignor to The Toledo Automotive Products Company, a Corporation of Ohio. Filed Sept. 5, 1924. Serial No. 736,014. 10 Claims. (Cl. 268—4.)



2. In a window regulating mechanism, a sheet metal support, an inwardly extending annular flange on said support, a sheet metal toothed sector for actuating the window, an inwardly depressed annular portion on said sector protruding into said support and bearing against said flange, and a disc connected to the end of the protruding portion and engaging the support thereby pivotally to connect the sector thereto.

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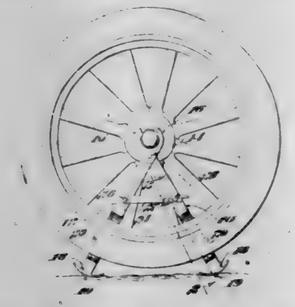
1,560,215. LIFTING DEVICE FOR VEHICLE WHEELS. WALTER B. CLIFFORD, Vivian, W. Va. Filed Nov. 18, 1921. Serial No. 516,088. 2 Claims. (Cl. 254—94.)



1. A lifting device for vehicle wheels comprising cooperating hub clamps and rigid supporting means for the hub clamps extending outwardly from the hub beyond the tread face of the wheel and having a supporting end positioned beyond the tread face of the wheel and located in substantial alinement with the hub clamps.

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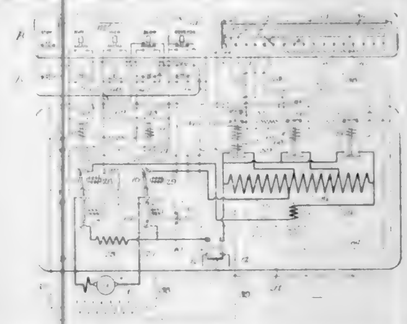
1,560,216. MOTOR CONTROLLER. ALLAN J. CLINE and THELMA I. DEKLE, Chicago, Ill., assignors to Cline Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 7, 1923. Serial No. 643,840. 28 Claims. (Cl. 172—179.)

1. In combination in a motor controller, separate, electromagnetic starting, accelerating and torque switches, a speed regulating member adapted to be pre-set to determine the running speed of the motor, said torque switch being operable in any of the running positions of said regulating member to provide a predetermined high torque for starting, and means automatically controlled



by the acceleration of the motor to a predetermined speed for disabling said torque switch.

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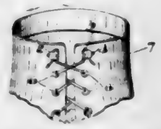
1,560,217. FASTENER FOR LACES, CORDS, AND THE LIKE. ARTHUR LEWIS COCHRANE, Toronto, Ontario, Canada. Filed July 23, 1924. Serial No. 727,658. 8 Claims. (Cl. 24—121.)



1. In a fastener for shoe laces and the like, the combination of a hook shaped member in which a lace is adapted to be received and frictionally engaged; and a projection extending transversely of the hook at one side thereof, said projection being positioned adjacent the throat of the hook whereby the lace which is engaged in the hook may be passed round the projection and then re-engaged in the hook.

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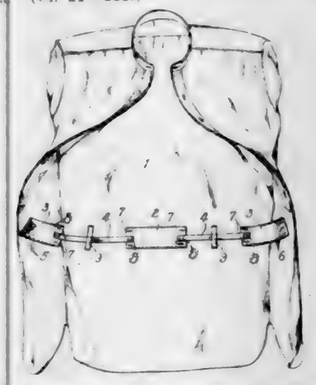
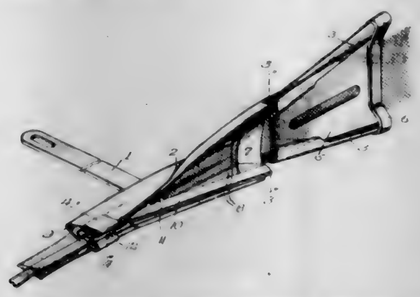
1,560,218. GARMENT. RUDOLPH COOPERSMITH, St. Louis, Mo. Filed May 3, 1924. Serial No. 710,713. 8 Claims. (Cl. 21—115.)



1. The combination of a garment of the kind described and a retaining device therefor, said device comprising a strip located entirely within and removably secured to said garment along its waist portion, said garment and said strip being provided with co-operating fastening devices adapted to permit vertical adjustment of said strip with relation to said garment, said fastening devices being adapted to prevent horizontal movement of said strip with relation to said garment.



1,560,219. SEWING-MACHINE ATTACHMENT FOR FOLDING AND GUIDING STRIPS OF FABRIC. KATHERINE E. CUNNINGHAM, Chicago, Ill., assignor to The H. W. Gossard Co., Chicago, Ill., a Corporation of Illinois. Filed June 28, 1922. Serial No. 571,469. 2 Claims. (Cl. 112—137.)



1. An attachment of the character described for two-needle sewing machines and comprising guide members arranged to initially form edge folds in a strip of fabric passing through the attachment, guide members arranged to receive the strip thus folded and further fold it along a central line to bring the edge folds into superposition, and a tape guide arranged to deliver a strand of relatively narrow tape between the sides of the doubled strip, said attachment being arranged to deliver the tape betwen said needles, whereby marginal sections of the strip outside the lines of stitching will be formed at opposite sides of the tape.

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1,560,220. AUTOMATIC TOASTER. ALFREDO DE MATTEIS, New York, N. Y. Filed Nov. 17, 1924. Serial No. 750,299. 10 Claims. (Cl. 126—4.)

1. Apparatus of the type described which comprises, a conveyor mechanism adapted to carry slices of bread, a heating element pivoted on each side of said slices of bread carried on said conveyor and means for angularly adjusting each of said heating elements on its pivot towards or from said slices.

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1,560,221. RAILWAY SPIKE. JAMES H. DOWNEY, Gainesville, Ga. Filed June 25, 1924. Serial No. 722,295. 3 Claims. (Cl. 85—31.)

1. A railway spike having a head provided with a rail engaging lip, a shank having straight edges but inclined slightly toward the side provided with the lip, and a body portion having smooth edges each forming an arc of a circle.

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1,560,222. COMBINATION WHEEL AND PUNCTURE-PROOF TIRE. SAMUEL ELIOT, Manchester, Mass. Filed Apr. 7, 1921. Serial No. 459,314. 3 Claims. (Cl. 152—29.)

1. A vehicle wheel of the character described comprising a pair of substantially parallel annular plates, a transverse connection between said plates spaced inwardly from the peripheral edges thereof, a pneumatic tube encircling said connection and located between said plates, a resilient rim member positioned between the outer edges of said plates and encircling said tube, said rim member having a connection with said plates enabling it to have a limited radial movement relatively to the plates but held against circumferential movement relatively thereto, and a tread carried by said rim.

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1,560,223. VANITY CASE OR THE LIKE. ADELBERT ENGLANDER, Brooklyn, N. Y. Filed Mar. 12, 1925. Serial No. 14,873. 5 Claims. (Cl. 150—28.)

3. In combination, a vanity case and a display handkerchief, a portion of said handkerchief constituting an exterior casing for the vanity case.

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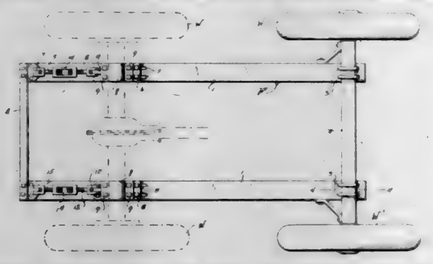
1,560,224. TRACTION DEVICE. JAMES DOUGLASS FILLEUL, Manchester, N. H. Filed Feb. 26, 1924. Serial No. 695,352. 3 Claims. (Cl. 305—3.)

2. The combination with a traction vehicle including a rear housing and drive wheels associated therewith; of a frame, elongated side members, a cross member connecting the rear end portions of the side members, a transversely disposed axle connecting the forward end portions of said side members, upstanding bearings mounted upon the rear end portions of the side members, coacting means carried by said bearings and side members to permit the bearings to be adjusted lengthwise of the side members, bearing caps engageable with the bearings, said bearings and bearing caps pivotally connecting the rear portions of the side members with the

housing, means coacting with the bearing caps and the portions of the side members rearwardly of the bearings to adjust said bearings lengthwise of the side members,



wheels mounted upon the axle and aligning with the drive wheels, and endless tread members disposed around the drive wheels, and the wheels on the axle.

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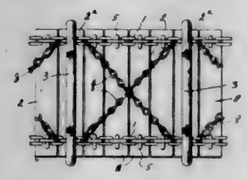
1,560,225. TREAD MEMBER. JAMES DOUGLASS FILLEUL, Manchester, N. H. Filed Feb. 26, 1924. Serial No. 695,353. 1 Claim. (Cl. 305—10.)



A tread of the class described comprising a pair of flexible side members, transversely disposed slats associated with said side member and bridging the space therebetween, means for connecting the end portions of the slats to the side members, said connection permitting the slats to have rocking movement, guides secured to certain of said slats, and crossed flexible members secured to the side members between adjacent guides, said crossed members being secured to the side members at points in relatively close proximity to the guides.

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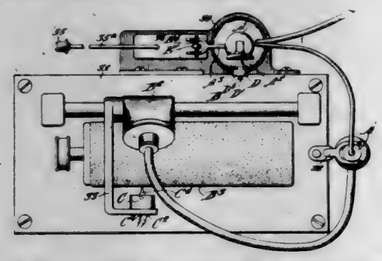
1,560,226. AUTOMATIC RESPONDING AND RECORDING DEVICE FOR TELEPHONES. SYDNEY FISHER, Westport, Conn. Filed Sept. 1, 1921. Serial No. 497,587. 22 Claims. (Cl. 179—6.)



1. An apparatus for attachment to a telephone instrument comprising a dictaphone, means for connecting the dictaphone to adapt the latter to record messages dictated over the telephone, means operated from the call-signal of the telephone to render the dictaphone operative, absent-signalling means operated from said call-signal to notify the calling party that the party called is absent, positively-acting electro-mechanical means for continuing the operation of the dictaphone during dictation and for a predetermined waiting-period previous to and during interruptions in the dictation, and means for causing automatic operation of the absent-signalling means during the waiting-periods to signal the calling party that the apparatus is connected and awaiting the dictation of the message.

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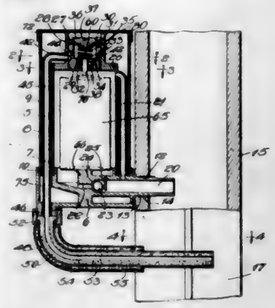
1,560,227. AIR VENT AND HUMIDIFIER. CLARENCE E. FRAZIER and HELMER R. LINDQUIST, Chicago, Ill. Filed July 9, 1923. Serial No. 650,235. 9 Claims. (Cl. 237—78.)



1. In a device of the class described a chamber having an inlet for connection with a source of steam and an outlet, a valve controlling said outlet and means for automatically opening said valve with a rise in temperature.

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1,560,228. METHOD OF AND APPARATUS FOR MAKING LOCK WASHERS. GEORGE K. GARRETT, Philadelphia, Pa. Filed Mar. 9, 1925. Serial No. 14,127. 13 Claims. (Cl. 10—73.)



9. The hereindescribed method of making lock washers, which consists in propelling a keystone shaped bar towards coiling devices intermittently, roughening the opposed inclined sides of said bar simultaneously with said propulsion, forming said bar into a helical coil about an axis substantially parallel to the parallel edges of said bar, changing the cross sectional shape of said bar from a keystone to a substantially rectangular section simultaneously with said coil formation, and lastly severing the outer convolutions of said coil alternately with the intermittent propulsion of said bar, whereby a lock washer having offset juxtaposed ends is formed.

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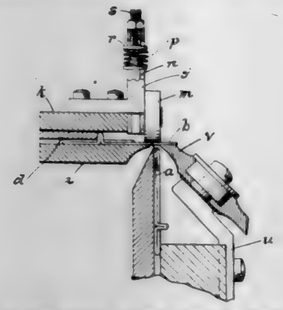
1,560,229. MACHINE FOR MAKING KNITTED PILE FABRICS. ALFRED A. GRUNDY, Philadelphia, Pa., assignor of one-third to himself, one-third to George Grushkaw, and one-third to John Sichel, all of Philadelphia, Pa. Filed Sept. 18, 1924. Serial No. 738,332. 8 Claims. (Cl. 66—21.)

1. In a knitting machine, the combination with traveling needles and yarn-holding bars adapted to cooperate



to form elongated loops engaging the bars, of a bite-roller stationary relative to the bars and positioned, in



the travel of the latter, to roll over the bars and press the yarn between it and the bars and thus effect the severance of the yarn.

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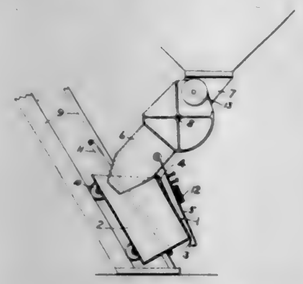
1,560,230. SKIP-HOIST EQUIPMENT. WILLIAM E. HALE, Fort Washington, Pa., assignor to R. H. Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1924. Serial No. 687,907. 2 Claims. (Cl. 214—125.)



1. Skip hoist equipment having in combination a pivotal loader gate, an ascending and descending skip bucket adapted to close and open the gate, and a cam shoe device carried by one face of the bucket and projecting beyond the lower edge and toward the center line of the bucket to insure positioning of the gate to afford clearance for the passage of the descending bucket.

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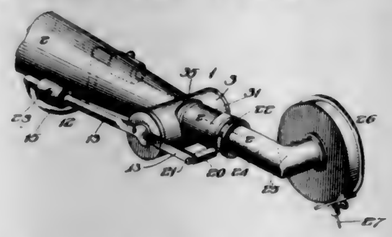
1,560,231. BALANCE BEAM FOR TONE ARM OF TALKING MACHINES AND THE LIKE. ERLE H. HAND, Stapleton, N. Y. Filed July 3, 1922. Serial No. 572,442. 5 Claims. (Cl. 274—23.)



1. An articulated straight tone arm having one portion cylindrical and the other conical, a tone arm joint intermediate said portions, a collar engaging said cylindrical portion and having seats therein, a spring-pressed pin engaging one of said seats, and an arm having a portion secured to an element of the tone arm joint, one end of said arm carrying said spring-pressed pin and the other end of said arm carrying an adjustable counterbalancing device.

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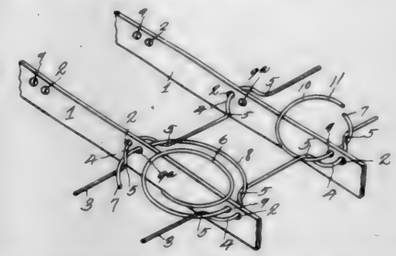
1,560,232. BEDSPRING LOCK. THEODORE HAUSER, Cassopolis, Mich. Filed July 16, 1923. Serial No. 651,735. 6 Claims. (Cl. 5—265.)



1. The combination with a cross rail of a bed spring frame, said cross rail being provided with spaced pairs of apertures, and an end convolution of a helical bed spring extending through the inner apertures of the spaced pairs, of tie wires extending transversely of the rail through the outer apertures of the pairs and interwound with said convolution, by means of which the said convolution is locked to said rail and the tie wires.

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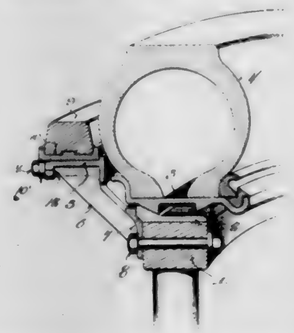
1,560,233. AUXILIARY WHEEL TREAD. STANLEY P. HICKEY, Coldspring, Wis. Filed Sept. 29, 1923. Serial No. 665,598. 1 Claim. (Cl. 301—39.)



An attachment for a vehicle provided with a felly, said attachment comprising an auxiliary rim adapted to project outwardly from said wheel and having an upstanding inner shouldered portion, said attachment having a plate adapted to be bolted to said felly, a plurality of spaced arms joining said auxiliary rim and said plate, a resilient tread, and a retaining band secured to said resilient tread and adapted to be slipped over said auxiliary rim and having depending lugs, whereby it may be attached to said auxiliary rim.

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1,560,234. ROTARY SLIP. RICHARD D. HILL, Wichita Falls, Tex., assignor of one-third to John M. Spellman, Esq., Dallas, Tex. Filed Mar. 15, 1924. Serial No. 699,525. 2 Claims. (Cl. 255—28.)

1. In a rotary drilling table, a pair of conically shaped semi-circular members removably mounted therein and adapted to encircle a drill stem, a plurality of tooth mem-

bers slidably mounted in grooves in the inner face of said semi-circular members and projecting inwardly therefrom to form pockets between the same and around

the circumference of said inner face, said pockets being open at the top and adapted to receive coacting lugs therein formed on the drill stem.

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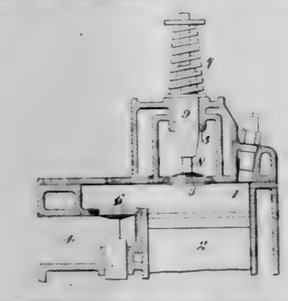
1,560,235. VALVE. ALBERT OTTO HINSCH, San Francisco, Calif. Filed Jan. 5, 1925. Serial No. 552. 6 Claims. (Cl. 123—188.)



1. In combination with a valve and a valve opening controlled thereby and provided with co-operating faces, the face of said valve having a groove affording a plurality of separate nonyieldable seats.

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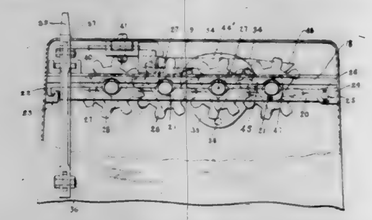
1,560,236. FURNACE GRATE. CHARLES G. HOLMES and ARTHUR E. HOLMES, Milwaukee, Wis., assignors to Racine Furnace & Foundry Co., a Corporation of Wisconsin. Filed June 18, 1921. Serial No. 478,589. 2 Claims. (Cl. 126—181.)



1. In a grate construction, the combination with a housing of a plurality of interconnecting grate bars pivotally mounted therein; a disc provided with a plurality of arcuately spaced pins, carried by one of said bars; a pawl reciprocable transversely of the axis of said disc, adapted to engage said pins to arcuately move said bars; an operating lever movable in a plane parallel to the axes of said bars; and operating connections between said lever and pawl.

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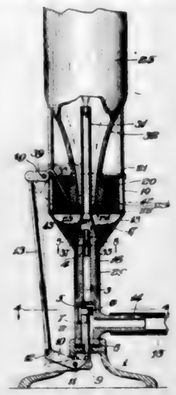
1,560,237. METHOD OF AND APPARATUS FOR WASHING BOTTLES. CHARLES W. HOTTMANN, Philadelphia, Pa. Filed Aug. 6, 1923. Serial No. 655,801. 2 Claims. (Cl. 15—95.)

1. In a bottle washing machine, a base provided with a vertical, hollow standard which standard has a restricted passage forming a nozzle, a casing forming a shot receiving chamber, a basket within said casing which casing is carried by said standard, a control valve for said restricted passage, a lower lever fulcrumed to said base one end of which lever is connected with said valve, a rod connected to the other end of said lever, an



upper lever fulcrumed to said casing and having one end projected thereinto and the other end connected to said rod, the free end of said upper lever normally being adapted to be tripped by a bottle neck and means carried within said basket to support the neck of a bottle.

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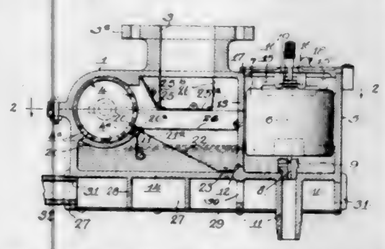
1,560,238. CARBURETOR. GABRIEL P. B. HOYT, Jamaica, N. Y., and DAVID B. CARSE, Shron, Conn. Filed Dec. 31, 1921. Serial No. 526,194. 8 Claims. (Cl. 183—11.)



1. In a carburetor, the combination of a casing, having a mixture discharge opening, means for maintaining a constant level of liquid in said casing, an air intake valve comprising a hollow cylindric valve member extending horizontally of said casing above the liquid level and provided with ports, and means associated with said valve member to direct a part or all of the air through the liquid.

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1,560,239. TABLE. HARRY L. HUDSON, Brooklyn, N. Y. Filed Feb. 6, 1923. Serial No. 617,305. 4 Claims. (Cl. 45—31.)

4. The combination with a table provided with an apron having a shouldered slot, of a folding chair movable into and out of operative position through said slot,



said chair comprising a member slidable in guides beneath the table top, and arranged, when pulled out to the limit of its forward movement, to rest on the shoulders of said slot, a supporting member hinged at its rear edge to the front edge of the sliding member in position when unfolded to rest against the apron, a seat member hinged at its rear edge to the front edge of the supporting member and a leg member hinged at its upper edge to the front edge of the seat member, the chair, when folded, having its sliding, supporting and seat members in horizontal alinement, and the leg member folded underneath the same.

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1,560,240. PHOTOGRAPHIC SENSITIZER. EDWIN ERNEST JELLEY, Malvern, South Africa. Filed Aug. 11, 1924. Serial No. 731,490. 27 Claims. (Cl. 95—6.)

1. A sensitizing agent for the purpose set forth, consisting of a mixture of a soluble salt of silver and a soluble salt of the hydrazine group.

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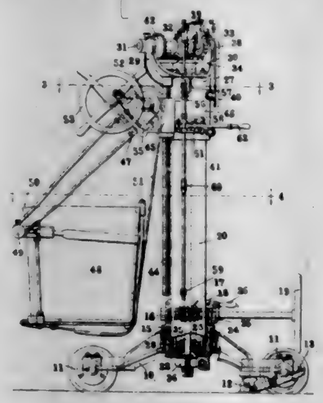
1,560,241. LADLE CARRIER. ARTHUR JONES, Belleville, Ill., assignor to U. S. Smelting Furnace Company, Belleville, Ill., a Corporation of Illinois. Filed Feb. 15, 1924. Serial No. 693,104. 10 Claims. (Cl. 22—82.)



1. In a device of the class described, the combination with a travelling base, of a rotary support carried thereon, a ladle pivotally mounted on said support, power actuated means for raising and lowering said ladle, automatically actuated means for limiting the vertical movement of the ladle, said means comprising a pair of end stops and an intermediate stop, and means for tilting said ladle.

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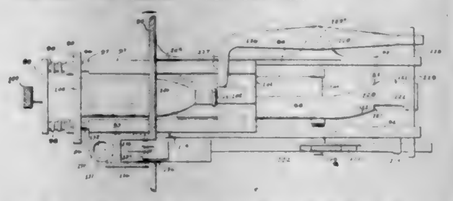
1,560,242. VENDING MACHINE. ELMER M. JONES and SUE WALKER VANCE, Atlanta, Ga.; said Vance assignor to said Jones. Filed Sept. 13, 1920. Serial No. 409,808. 28 Claims. (Cl. 194—2.)



27. In a machine of the character described, the combination of a coin controlled mechanism adapted to dispense an article and a refund controller, and a refund mechanism governed by the insertion of said controller, together with an article having a shape similar to the article issued.

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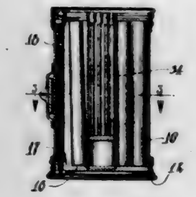
1,560,243. WATERPROOF CONTAINER FOR PERSONAL ACCESSORIES. BERNARD KACZOROWSKI, Yonkers, N. Y. Filed Nov. 13, 1924. Serial No. 749,576. 3 Claims. (Cl. 206—38.)



1. A device of the class described comprising a casing arranged to present separate cigarette and match compartments, a follower in said casing having an annular groove in one face thereof, a tube in said casing engaging at one end in said groove to constitute a match receptacle, and means for moving said follower longitudinally in the said casing to position it near either end of said casing.

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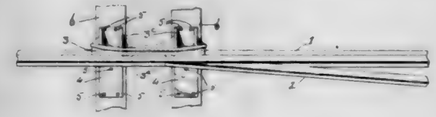
1,560,244. SWITCH-POINT GUARD. WILLIAM P. KALFF, Hawthorne, N. J. Filed July 25, 1925. Serial No. 45,989. 1 Claim. (Cl. 246—441.)



In railway construction, the combination with a running rail and a switch point disposed adjacent to said rail longitudinally thereof, of a guard member having a vertical flange extending along said rail and above the same at the side thereof opposite from said switch point, said flange having its wall surface curved at the ends and provided with an elongated portion in a straight line parallel with the rail, the guard being so disposed that said straight portion overlaps a line running transversely across the extreme end of the switch point, a pair of switch plates formed integral with the guard and extending beneath the rail, said switch plates being recessed to receive said rail and to provide a shoulder adapted to engage the inner edge of the rail base, lugs carried by the guard and extending beneath the head of the rail thereby to brace the guard against the rail without the use of bolts, and means for preventing widening of the track gauge at the point of switch.

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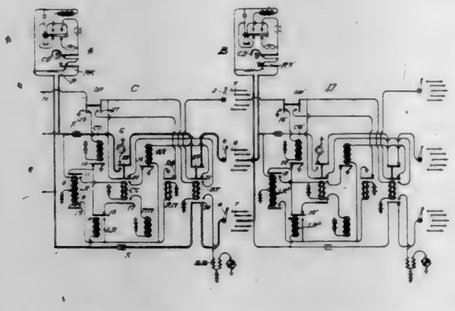
1,560,245. TELEPHONE SYSTEM. LEROY D. KELLOGG, Deerfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 13, 1919. Serial No. 317,130. 21 Claims. (Cl. 179—20.)

1. A telephone system including a subscriber's telephone line, a spring-restored automatic switch individual thereto, a pair of line relays for said switch controlled over said subscriber's line, other subscribers' lines, impulse sending means for operating one of said line relays to cause a connection to be established between said first subscriber's line and one of said other subscribers' lines, subscriber-controlled means for main-

taining said line relay energized and for de-energizing the other of said line relays to signal the called subscriber, and release means for said switch including



a release magnet held energized during conversation and adapted to be de-energized upon the de-energization of one of said relays.

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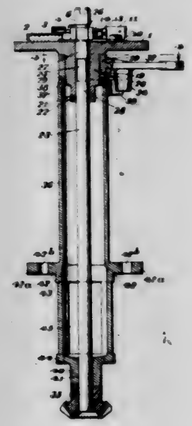
1,560,246. IGNITION APPARATUS. ARTHUR ATWATER KENT, Ardmore, Pa. Filed Feb. 20, 1920. Serial No. 360,236. 9 Claims. (Cl. 200—21.)



3. Ignition apparatus comprising a base member, ignition circuit controlling contacts carried thereby, a neck on said base member, a cam shaft having a bearing therein, a sleeve through which said shaft extends having at its end adjacent said base member a bearing for said neck and at its other end a bearing for said cam shaft, a member for rotating said base member, and co-acting projections on said member and on said sleeve limiting the rotation on said base member.

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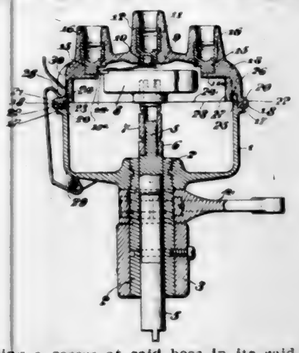
1,560,247. IGNITION APPARATUS. ARTHUR ATWATER KENT, Ardmore, Pa. Filed July 16, 1923. Serial No. 651,713. 8 Claims. (Cl. 200—19.)

3. Ignition timing apparatus comprising a casing adapted to enclose ignition timing structure, said casing having a transversely extending end surface, a distributor cap having at its open end a surface co-acting with the outer side wall surface of said casing and a second surface co-acting with said end surface of said casing, said cap having on its interior an integral boss, said



cap having a recess at said boss in its said second surface, and a lug projecting from said end surface of said casing into said recess.

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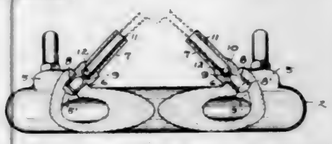
1,560,248. GAS BURNER. HARRY E. KERR, Cleveland, Ohio, assignor to The Cleveland Gas Burner & Appliance Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 17, 1924. Serial No. 720,558. 6 Claims. (Cl. 158—104.)



1. A gas burner for heating purposes adapted to produce complete combustion uniformly with various kinds of gases under varying or fluctuating gas pressures, comprising a hollow gas-distributing body having a pair of reversely-inclined nozzles adapted to bring separate streams of gas and air into confluence; each nozzle being a separate removable member having a base portion formed with an enlarged gas-intake recesse terminating in a small and short axial gas orifice adapted to promote high velocity of discharge of the gas through the nozzle, and a lateral air intake opening in the base portion of said nozzle leading to the outlet end of said orifice.

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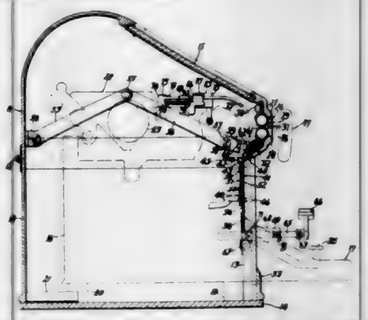
1,560,249. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 4, 1922. Serial No. 579,560. 17 Claims. (Cl. 197—186.)



1. The combination with a sound-deadening casing for a front-strike typewriting machine having a platen, typebars pivoted to swing upward and rearward to the platen.



and arranged to form a segmental typebasket, a front plate having a segmental opening therein in conformity with and for access to the type-basket for cleaning of the types, and a frame to which said front plate is so secured as to have a close fit with the front wall of the casing at each side of the keyboard opening in the latter; of a segmental plate for normally closing said segmental opening, the segmental plate being pivoted to the front plate to serve as a door which may be swung open at will.

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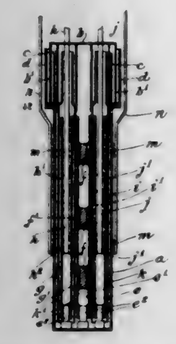
1,560,250. ELECTROLYTIC CELL. ISAAC H. LEVIN, New York, N. Y., assignor, by mesne asignments, to Gas Industries Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 4, 1921. Serial No. 505,302. Renewed May 12, 1925. 9 Claims. (Cl. 204—5.)



1. An electrolytic cell embodying therein a container or tank for the electrolyte forming an electrode, closure means for the top of said tank, a partitioning electrode dividing said tank into two communicating electrolyte compartments, said tank and said electrode being of the same polarity, independent terminal bars carried by said tank and said partitioning electrode, inner electrodes of opposite polarity to sand tank and said partitioning electrode arranged upon opposite sides of said partitioning electrode and between same and the wall of said tank, means co-operating with said closure means for preventing the commingling of gases adjacent the top of the cell, and diaphragms extending from said last named means within said compartment and about each of said inner electrodes.

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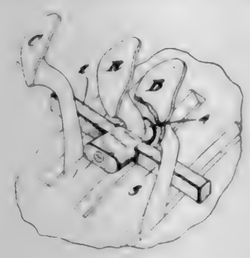
1,560,251. AUTOMOBILE LOCKING DEVICE FOR FORD TRANSMISSION. ANDREW R. DE ROUVILLE and JOHN G. MILLER, Albany, N. Y. Filed June 6, 1924. Serial No. 718,330. 1 Claim. (Cl. 70—126.)



In combination with a plurality of pedals to be locked a body for engaging the front portion of one of said pedals, a pair of arms extending from diametrically opposite sides of said body for engaging the rear side of the remaining pedals and thereby retaining said pedal first mentioned in the pressed or operative position while the remaining pedals are locked in normal position, a locking mechanism included in said body and a shackle forming a portion of the lock mechanism and surrounding the pedal first mentioned as and for the purpose specified.

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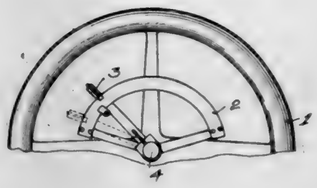
1,560,252. LEVER LOCK. HERBERT ESHELMAN and WALTER C. MCLAM, Spokane, Wash. Filed Oct. 11, 1924. Serial No. 743,087. 5 Claims. (Cl. 74—89.)



1. The combination with a fixed quadrant plate and a gas control lever, of a casing having attaching flanges and a set screw for fastening to said plate, and a resilient detent carried by said casing and located in the path of movement of said lever.

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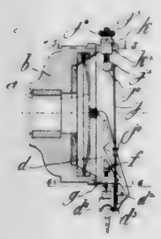
1,560,253. VIBRATING DEVICE. HORACE HURM, Paris, France. Filed Mar. 25, 1922. Serial No. 546,930. 5 Claims. (Cl. 274—35.)



3. In a sound box for a gramophone of the type described, the combination with a box enclosure having a diaphragm therein and a stylus bar having pivotal connection with the edge of the box enclosure and having an inner extremity movably engaging the center of the diaphragm of an adjusting means connected to the edge portion of the box enclosure and comprising a longitudinally movable screw rod and an adjusting bar carried by said rod, and a wire loop applied around a portion of the outer extremity of the stylus bar and having its ends secured in the said adjusting bar.

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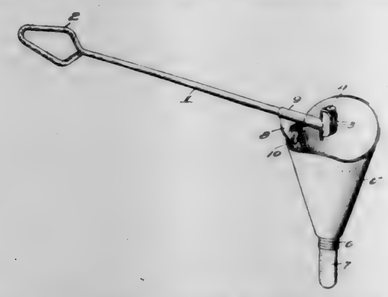
1,560,254. WRENCH CUP. LOUIS FOSTER JACKSON, Alexandria, La. Filed July 10, 1924. Serial No. 725,221. 1 Claim. (Cl. 137—139.)

The combination with an oil wrench, of an oil receiving cup formed of a single piece of sheet metal bent substantially funnel shaped, a bail strip secured to the upper portion of the cup, an eye formed on the upper

end of said strip rotatably and slidably engaged with the shank of the wrench, and a transparent oil receiving



member attachably mounted on the bottom of said funnel shaped cup whereby the quality of the oil in the receiving member may be readily observed.

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1,560,255. METAL CABINET STRUCTURE. HENRY E. JANES, New York, N. Y., assignor to Janes & Kirtland, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 14, 1924. Serial No. 749,856. Renewed Sept. 21, 1925. 3 Claims. (Cl. 211—7.)

2. In a sheet metal cabinet having a door opening in its wall with its head and sill each formed of a ledge extending inward at an angle to the face of the wall and continuous therewith and a hollow sheet metal door for said opening comprising an inner and outer member secured together in parallelism, hinges for the door each comprising a hinge member carried by the cabinet and a hinge member carried by the door the hinge member carried by the cabinet comprising an arm extending outward through the wall and a fastening member within the wall extending along and secured to the inwardly extending ledge the hinge member carried by the door comprising an arm extending outward through the outer member thereof and a fastening member wholly within the space between the outer and inner door member, securing means for the fastening member within such space, and means for pivoting the parts of the respective hinges together.

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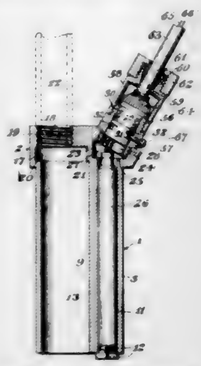
1,560,256. ELECTRICALLY-HEATED SANDING NOZZLE. CHILION BENJAMIN JOHNS, Ebensburg, Pa. Filed July 14, 1925. Serial No. 43,646. 10 Claims. (Cl. 291—20.)

1. An electrically heated sanding nozzle comprising a body portion provided with a sand discharging passage opening at each end and a heating element storage chamber parallel to and separated from said passage and closed at its lower end, and a head integral with the upper end of said body portion and provided with a pair of openings communicating respectively with said passage



and chamber for the passage of sand to the former and electrical connections to the latter, the wall of that opening for the passage of sand provided with means for detachably connecting a sand pipe thereto.

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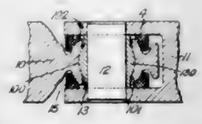
1,560,257. METHOD OF ASSEMBLING LINKS. PHILIP HENRY JOHNSON, Hounslow, England, assignor to Roadless Traction Limited, Gunnersbury House, Hounslow, Middlesex, England. Filed Nov. 6, 1924. Serial No. 748,151. 3 Claims. (Cl. 59—9.)



1. The process of connecting together links having male and female ends which comprises inserting a spherical member into a spherical seating member in said male end, bending down a portion of the spherical seating member to hold the spherical member in place, positioning the male end within the female end, and passing a pin through said ends.

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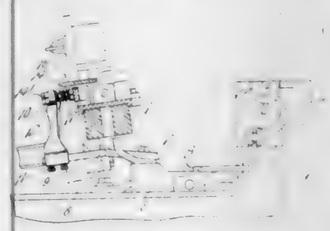
1,560,258. ROD FINGER. DEWEY LEE JONES, Columbus, Ga. Filed Mar. 24, 1924. Serial No. 701,506. 1 Claim. (Cl. 139—345.)



A binder finger for use upon looms having an enlarged transversely bored lower portion, a protector rod removably secured within the bore and having its opposite end portion connected with the loom mechanism, a plunger member transversely disposed within the upper end of the finger, a compression spring encircling the plunger and arranged between the plunger head and finger, a lock-



nut arranged upon the opposite end of the plunger, and a binder arranged adjacent to and resiliently engaging the head of the plunger whereby the loom will continue to operate until a shuttle fails to be boxed.

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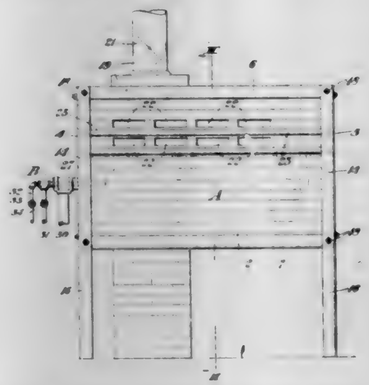
1,560,259. FORGE. CHARLES KARRAL, Danville, Ill. Filed May 21, 1924. Serial No. 714,929. 1 Claim. (Cl. 263—36.)



A heating furnace comprising an elongated hollow body portion, said hollow body being provided with a transverse horizontal wall dividing its hollow interior into a separate combustion chamber and heating chamber, said wall being provided with an opening adjacent one end of said furnace to permit the products of combustion and heat to pass from said combustion chamber into said heating chamber, a burner entering said combustion chamber at the end opposite the said opening leading to the heating chamber, a flue for the escape of the products of combustion leading from said heating chamber, said heating chamber being provided with a plurality of openings for the reception of the articles to be heated, said openings being arranged in horizontal rows, shelf-like supports extending outwardly from the side walls of said furnace below said openings, and closure members mounted on said supports and adapted to be moved into and out of closing position with said openings.

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1,560,260. FUSE CAP. THOMAS KERRIGAN, Mahanoy Plane, Pa. Filed July 15, 1922, Serial No. 575,409. Renewed Aug. 14, 1925. 2 Claims. (Cl. 102—9.)

2. In a device of the class described, a cap provided with oppositely disposed openings, a portion of the material freed in the formation of the openings being extended inwardly to constitute holding tongues disposed along one edge of each opening, the material freed in the formation of the opening being extended inwardly to form flanges located along the remaining edges of the opening and converging toward each other.

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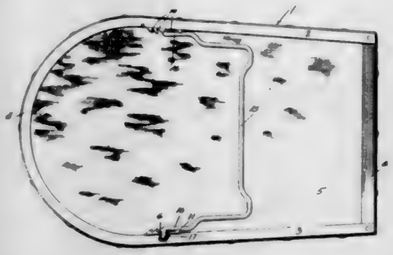
1,560,261. INFANT'S BATH COT. WALTER KLEINESCHAY, Prentice, Wis. Filed Feb. 19, 1923. Serial No. 619,965. 2 Claims. (Cl. 45—50.)

1. In a device of the class described an elongated substantially U-shaped frame with its side members converging toward their free ends, a cross bar connecting the free ends of said members, a flexible covering secured over said frame, a supporting bail having its free ends pivotally mounted in the inner faces of the side members of said frame at a point beyond the transverse median line of the frame nearer the wider curved end thereof, and



means carried by the side members of the frame adjacent the pivotal connection of the bail therewith for engaging said bail to lock it in adjusted position for varying the angle at which the frame is to be supported.

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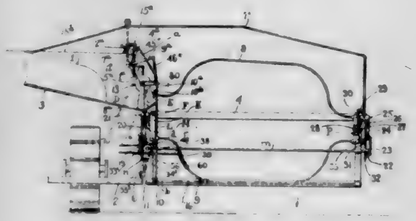
1,560,262. SHOCKER ATTACHMENT FOR HARVESTER BINDERS. NATHANIEL O. KNUTSON, Berwick, N. Dak. Filed Aug. 21, 1920. Serial No. 405,051. 8 Claims. (Cl. 56—419.)



1. In a shocker attachment for harvester binders, the combination of a carrying frame, oscillatory heads thereon, means for oscillating said heads, a compressing arm, and a releasing arm pivoted to one head and detachably locked to the other head, means for depressing the inner portion of the compressing arm and means for opening and closing the releasing arm.

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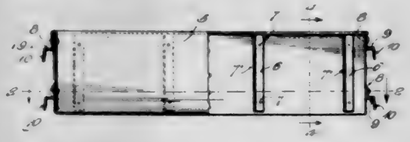
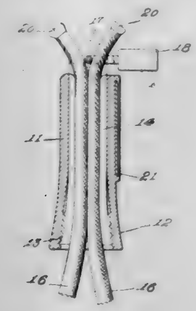
1,560,263. FEEDING AND WATERING TROUGH. WILLIAM C. LEDER and JENS P. CHRISTENSEN, St. Paul, Nebr. Filed Oct. 6, 1924. Serial No. 742,008. 2 Claims. (Cl. 119—61.)



1. In a feeding and watering trough, a trough having a flat bottom and substantially vertical side and end walls, guards secured to the outer surfaces of the walls, said guards each comprising a base plate secured to the outer surface of a wall, and an angularly disposed flange having serrations.

1,560,264. FASTENER. SIMEON LEDOUX, Kansas City, Mo. Filed Feb. 10, 1925. Serial No. 8,314. 3 Claims. (Cl. 24—124.)



1. A mail bag fastener of the character described comprising a hollow cylindrical member having its lower end enlarged and interiorly threaded, a pair of companion sleeve members having their lower ends enlarged and threadedly engaging the threaded portion of the cylindrical member, registering apertured lugs extending from the upper ends of the companion sleeve members, fastening means extending therethrough to hold the guy ropes within the companion sleeve members and against accidental rotation of the companion sleeve members and held therein from accidental displacement.

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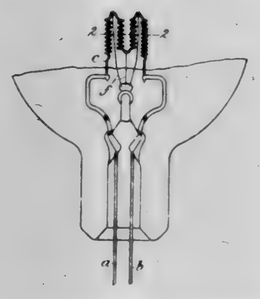
1,560,265. INCANDESCENT ELECTRIC LAMP FOR PROJECTION PURPOSES. DIRK LELY, Jr., Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y., a Corporation of New York. Filed Mar. 30, 1921. Serial No. 457,141. 1 Claim. (Cl. 176—40.) (Granted under the provisions of the act of Mar. 3, 1921. 41 Stat. L., 1313.)



A metallic filament lamp for projection purposes comprising naked incandescent filaments of circular cross-section wound into coils of flattened form, having the outer coils wound into closer spirals than the more centrally situated coils.

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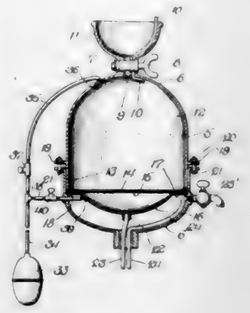
1,560,266. FILTER DEVICE. HARRY S. LEVINTHAL, Melrose Park, Ill. Filed Mar. 13, 1922. Serial No. 543,313. 2 Claims. (Cl. 210—103.)

1. A device of the character described comprising an open-ended member having an internal annular shoulder spaced inwardly from the open end and an outwardly extending flange above the shoulder; a cup-shaped partition having an annular rim resting on said shoulder to provide a chamber; a filtering disk resting on said rim; a dome-shaped top member having an open end making telescopic engagement with the first-mentioned member and having a flange around its peripheral surface above the



lower edge and bolts passing through said flanges to hold the top and first-mentioned members together and the filter and partition in place between the first-mentioned member and the top member.

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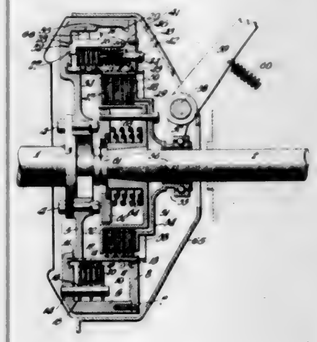
1,560,267. AUTOMATIC DRIVE. FISHER H. LIPPINCOTT, Philadelphia, Pa. Filed Mar. 1, 1924. Serial No. 696,125. 10 Claims. (Cl. 192—105.)



1. In an automatic drive, the combination with a driving member, and a driven member, of a set of driving and a set of driven friction discs contributing to form an operative connection between said members, centrifugally controlled levers operative under centrifugal action to effect lateral displacement of said friction discs to automatically vary the degree of friction between them as the speed of the driving member varies, and resilient means adjustable as to location without varying its degree of resiliency, to limit lateral movement of said discs until the maximum strength of said resilient means is reached, said resilient means then permitting bodily movement of said discs until said levers complete their outward stroke.

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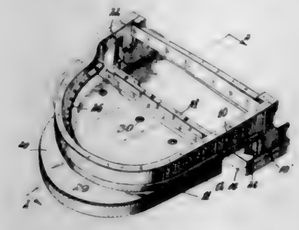
1,560,268. GRAND-PIANO-BODY CONSTRUCTION. CHARLES LOITSCH, New York, N. Y. Filed Jan. 12, 1923. Serial No. 612,228. 2 Claims. (Cl. 84—184.)

1. In a grand piano, a casing divided along a horizontal line into upper and lower elements, and a sounding board fixed upon the lower elements independently



of the upper element and being flush at its sides with the outer face of the said casing element, the upper sec-



tion having downturned parts at its front and covering the front end of the lower sections and being recessed to receive the latter.

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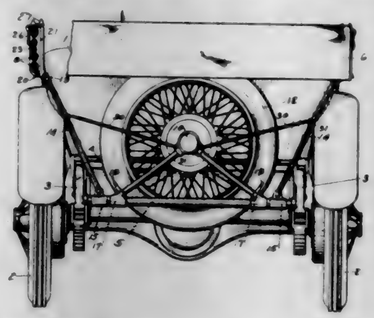
1,560,269. TOP SUPPORT. ALLEN LOOMIS, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 10, 1919. Serial No. 323,001. 5 Claims. (Cl. 296—132.)



1. In a device of the character described, a vehicle having a folding top, a body and a frame, top supporting standards pivoted to said frame to swing behind said body transversely thereof and means for limiting the outward movement of said standards.

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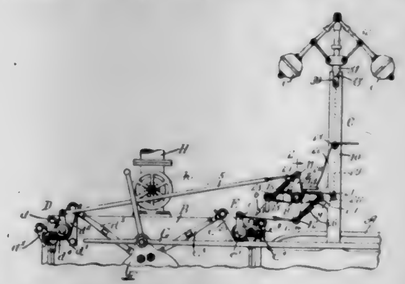
1,560,270. MECHANISM FOR STOPPING RECIPROCATING STEAM ENGINES. EMIL O. LUNDBLAD, Medford, Mass. Filed Dec. 14, 1923. Serial No. 680,746. 3 Claims. (Cl. 137—140.)



1. In a reciprocating steam engine, a cylinder valve operating mechanism, a shaft, a governor mechanism operatively connected to and adapted to rock said shaft, a lever rigidly fastened to said shaft, another lever loosely mounted upon said shaft and operatively connected to said valve mechanism, means to lock said levers together whereby they may move in unison to operate said valve mechanism, means to unlock said levers one from the other and means to operate said valve mechanism to hold the inlet valves thereof permanently closed when said levers have been unlocked one from the other, thereby causing said engine to stop.

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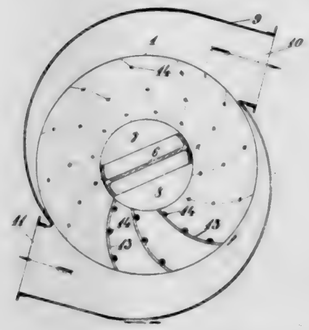
1,560,271. APPARATUS FOR TRANSMISSION OF HEAT FROM ONE MEDIUM TO ANOTHER. ERIK SIGFRID LYNGER, Liljeholmen, Sweden. Filed June 12, 1924. Serial No. 719,643. 3 Claims. (Cl. 257—244.)



1. Apparatus for transmission of heat from one medium to another, comprising a centrifugal blower including a vane wheel, the inlet of which is divided into different compartments for the different media by means of a wall adapted to conduct the media to different portions of the inner circumference of the blower in such a way that a medium drawn in by the vane wheel is delivered into an outlet belonging to said medium.

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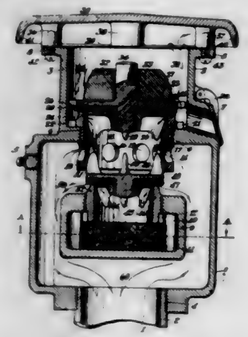
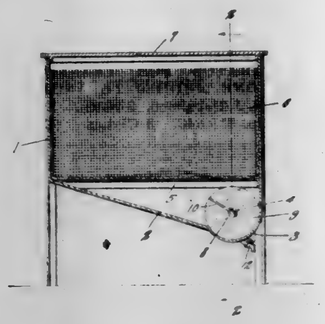
1,560,272. COMBINATION PRESSURE AND VACUUM VALVE. ROBERT J. MCAUSLAND, Oklahoma City, Okla. Filed Feb. 19, 1923. Serial No. 619,929. 4 Claims. (Cl. 277—60.)



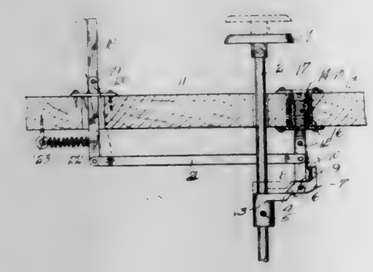
1. A pressure and vacuum valve comprising a casing including pressure and overflow chambers, the latter having a screened outlet communicating with the atmosphere, said casing having an intermediate wall, a cylindrical member mounted in said wall and provided with a valve seat, a pressure valve cooperating with said seat adapted to open due to increased pressure of gases in the pressure chamber, and means for carrying off the overflow.

1,560,273. DISHWASHING MACHINE. HEMAN W. MCKENZIE and RUFUS L. MALTBA, Black Earth, Wis. Filed Mar. 31, 1922, Serial No. 548,336. Renewed Apr. 9, 1925. 1 Claim. (Cl. 141—9.)



In a rotary splasher for throwing a cleansing liquid against the contents of a dishwashing machine, a shaft revolubly mounted longitudinally within and adjacent the bottom of a container, discs secured to and spaced at intervals longitudinally of the shaft, plates extending from disc to disc and secured radially between the same and formed in a spiral along the shaft, so that a liquid will be projected upward and laterally from the splasher, in combination with a liquid container having a vertical front wall, a curved lower front corner, an inclined bottom and vertical rear wall, and means for revolving the splasher.

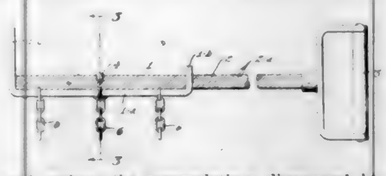
1,560,274. THROTTLE CONTROL. WALTER C. MCLAM and HERBERT ESHELMAN, Spokane, Wash. Filed June 19, 1925. Serial No. 38,238. 5 Claims. (Cl. 74—81.)



1. The combination with a reciprocable member of an actuating gas-control device, of a pivoted spring pressed detent and a suspending link therefor, a pawl on the reciprocable member, and means for moving said detent out of the path of movement of the pawl.

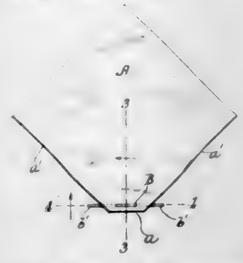
1,560,275. CLEANER AND SCRAPER FOR FURNACE AND BOILER FLUES. RALPH MACCARTHY, Elgin, Ill. Filed Dec. 12, 1922. Serial No. 606,449. 1 Claim. (Cl. 15—104.16.)

A boiler, furnace or tube cleaner comprising a scraping and raking member consisting of an upstanding end member adapted to dislodge the soot and carbon from the boiler, furnace or tube, a member carrying said scraping member and provided with a flexible cable-like handled member, and flexible dangling means depending from said carrying member, also adapted to remove or dislodge the



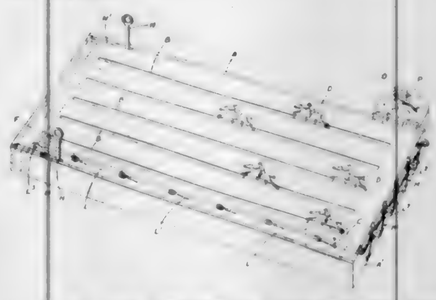
soot and carbon, the accumulations disengaged by said end member and dangling means being removed by said scraping and raking means.

1,560,276. FLEXIBLE SHINGLE. HUGH MACINNES, Jersey City, N. J. Filed Feb. 28, 1923. Serial No. 621,720. 1 Claim. (Cl. 108—8.)



As an improved article of manufacture, a shingle formed of a flat body the under face of which is in the same continuous plane throughout, one edge of the shingle being straight, the body of the shingle having therein a fastener substantially parallel with said straight edge, the ends of the fastener being passed through said body with its end portions extended in opposite directions outwardly beyond the opposite adjacent edges of the shingle body adjacent said straight edge and between the latter and the transverse center line through the shingle.

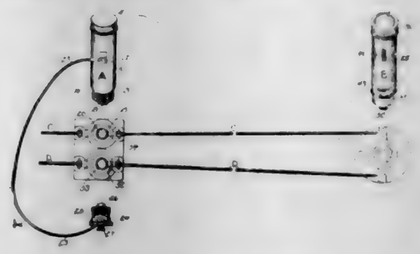
1,560,277. APPARATUS FOR PLAYING RACE GAMES. JOHN CARLISLE POMEROY MAGWOOD, London, England. Filed Aug. 27, 1923. Serial No. 659,633. 6 Claims. (Cl. 273—86.)



1. A race game apparatus in which successive movements of the game-pieces are dictated by chance, comprising a plurality of game-pieces mounted to move substantially parallel to one another, independent actuating means for each game-piece to propel same in the forward direction, interrupting means arranged at intervals in the path of each game-piece, hand operated means for releasing each game-piece when so interrupted, and a chance device for indicating the successive releases of the game-pieces.



1,560,278. PORTABLE APPARATUS FOR IDENTIFYING ELECTRIC CONDUCTORS. WILLIAM MAHAN, New Haven, Conn. Filed Jan. 23, 1924. Serial No. 688,045. 7 Claims. (Cl. 175—183.)



1. A portable apparatus for identifying electric conductors, comprising two independently-organized, physically separate complementary units, each having a separate source of electric energy and each having two terminals adapted to be connected into a circuit, and the said apparatus also comprising an electrically-operated signal brought into play only by the co-action in series of the electric energy of the physically separate two units.

1,560,279. STOOL AND THE LIKE. CHARLES G. MARKS, Waukegan, Ill. Filed Jan. 17, 1925. Serial No. 3,025. 1 Claim. (Cl. 155—134.)

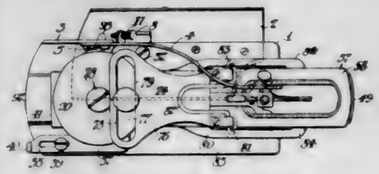
A stool comprising a standard formed from sheet metal and cylindrical in cross-section, a bushing driven into the upper end of said standard whereby to bulge the walls of the latter outwardly, a base having a tapered extension inserted in the lower end of said standard, a rotatable seat, a spindle consisting of a cylinder of sheet metal removably mounted in said bushing, and integral sheet-metal arms projecting radially from the upper end of said spindle and secured to the underside of said seat.

1,560,280. PLUMBING TOOL. HARRY C. MARTIN, San Antonio, Tex. Filed Oct. 20, 1924. Serial No. 744,758. 3 Claims. (Cl. 137—76.)

1. A tool of the character described comprising an elongated tubular member formed with pairs of openings near one end, said tubular member being adapted for insertion within a pipe and a ferrule to be joined thereto, a rod slidably mounted within said tubular member, and pairs of jaw members pivoted within the rod and extending through said openings, the ends of said

jaw members being adapted to engage the inner periphery of the pipe within which the device is inserted, and means for moving the plunger longitudinally for swinging the jaw members outwardly.

1,560,281. ATTACHMENT FOR SEWING MACHINES. ALBERTUS B. MATTINGLY, New York, N. Y. Substitute for application Serial No. 10,505, filed Feb. 25, 1915. Renewed Dec. 28, 1922. This application filed Sept. 10, 1923. Serial No. 662,003. 11 Claims. (Cl. 112—77.)

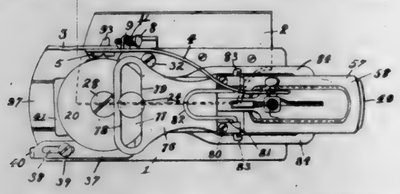


1. The combination with a frame and a work clamp mounted to reciprocate thereon and to vibrate laterally, of a stud, a ratchet cam with five points and working faces mounted on the stud, means for advancing the ratchet cam step by step, the work clamp having a vibrating means connecting it to the ratchet cam, a knife shield carried by the work clamp and movable thereon, a spring member, a knife carried by the spring member adapted to be forced through the material by the needle bar, a yoke formed on the end of the spring member, a rotating cam on said stud, a cam face formed on said yoke and acting in conjunction with the rotating cam on the aforesaid stud, and a spring formed on said yoke for operating the knife at the proper time and withdrawing it from under the needle bar.

1,560,282. ATTACHMENT FOR SEWING MACHINES. ALBERTUS B. MATTINGLY, New York, N. Y. Substitute for application Serial No. 798,972, filed Nov. 3, 1913. Renewed Dec. 20, 1919, Serial No. 346,433. This application filed Sept. 10, 1923. Serial No. 662,004. 10 Claims. (Cl. 112—77.)

1. The combination with a frame and a work clamp mounted to reciprocate thereon and to vibrate laterally, of a stud, a ratchet cam mounted on the stud and having a central perforation and ten perforations in a cir-

cular series around the center, the periphery of the cam having five faces meeting to form five points, advancing means arranged to engage the cam at said perforations to turn the cam step by step, means connected to the work clamp and engaging said cam periphery to vibrate the



work clamp, means for preventing any backward throw of the perforated cam, means for shifting at certain periods the work clamp relatively to its pivot so as to form a button hole with an eyelet end, and means for adjusting the vibrator relative to the stud and needle.

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1,560,283. STENCIL EMBROIDERY PATTERN. EMMA BERNER MEHLEM, Chicago, Ill. Filed May 1, 1924. Serial No. 710,406. 3 Claims. (Cl. 2—278.)

1. The method of producing an embroidered reticulate article consisting in cutting a pattern through a flexible sheet, securing a backing sheet of contrasting color against the rear side of the pattern sheet to conspicuously display the cut-out pattern therof, placing a reticulate sheet upon the front side of the pattern sheet, and embroidering said reticulate sheet over the distinctively displayed cut-out pattern.

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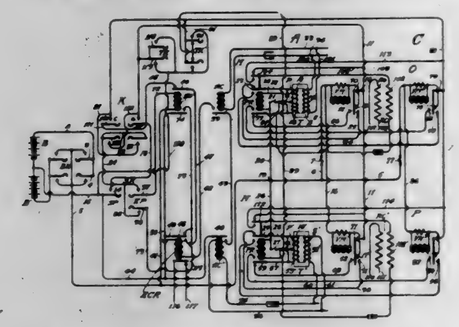
1,560,284. POLE-CHANGER SWITCHING CIRCUIT. JOHN F. MEYERS, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 1, 1923. Serial No. 665,798. 9 Claims. (Cl. 179—84.)



1. A switching system of the character described including a pair of pole changers, each of which comprises two units, a key for manually controlling the connection of either pole changer, a switch for starting the operation of said pole changer and control means conditioned by said switch and operating automatically to switch from one pole changer to the other.

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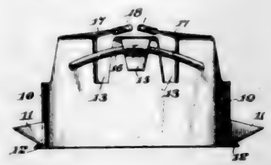
1,560,285. CALF WEANER. FRED MITTELSTADT, Wessington, S. Dak. Filed Feb. 18, 1925. Serial No. 10,066. 1 Claim. (Cl. 119—132.)



A calf weaner comprising a curved nose guard having inwardly directed nostril engaging portions and outwardly directed pointed portions, an eye at the forward portion of the body, and a loop device detachably engaged at its ends in the nose guard and extending through the eye.

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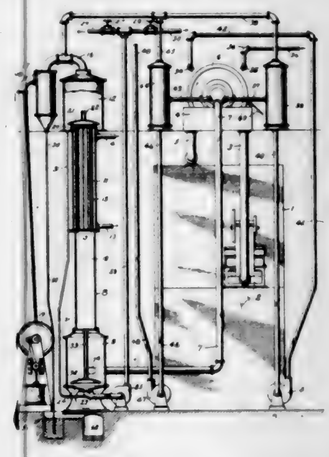
1,560,286. METHOD AND APPARATUS FOR HANDLING FOAMING AND FROTHING LIQUIDS. WILLIAM D. MOUNT, Lynchburg, Va. Filed Mar. 1, 1924. Serial No. 696,407. 13 Claims. (Cl. 183—2.6.)



1. A vacuum trap comprising a casing having upper and lower chambers connected by a heated passage, means for introducing the liquid to be treated into the lower chamber approximately tangentially thereof to cause a swirling of the introduced liquid, a pump connected at its suction side to the bottom of the lower chamber for removing the body of the liquid, any foam and froth created and rising through the heated passage being broken up by the heat.

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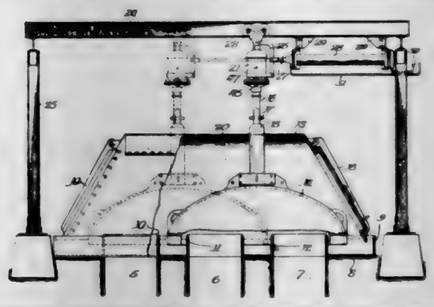
1,560,287. REVERSING-VALVE MECHANISM. JOHN A. MURPHY, St. Louis, Mo., assignor to Scullin Steel Co., St. Louis, Mo., a Corporation of Missouri. Filed July 3, 1922. Serial No. 572,358. 6 Claims. (Cl. 137—151.)

1. Reversing valve mechanism comprising a valve hood, means for moving said hood vertically and a



second means adapted to move it horizontally, said means being interconnected whereby the second means



becomes operative upon a predetermined lifting movement by the first means.

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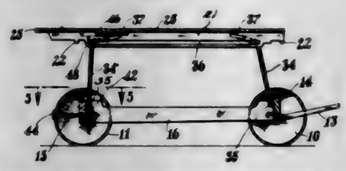
1,560,288. CHILD'S WAGON. JOHN MURRAY, Lorain, Ohio. Filed Oct. 15, 1924. Serial No. 743,651. 3 Claims. (Cl. 280—30.)



1. A device of the class described comprising an underframe, wheels on which said frame is supported, a platform normally resting on said underframe, and a pair of bail-like members pivoted at their ends to said underframe and adapted to support the said platform in position raised above said underframe, said platform having a pair of joist-bars fixed to the underside thereof, said bars having longitudinal slots in which the said bail-like members engage, a braking element applied to certain of said wheels, and means connected to one of said bail-like members to be operated by movement thereof to move the said braking element to operative position.

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1,560,289. MINIATURE LAMP. JOHN L. NOLL, Juniata, Pa. Filed Apr. 7, 1924. Serial No. 704,828. 2 Claims. (Cl. 240—84.)

2. A miniature lamp post comprising a standard formed of a relatively soft metal, an internally threaded lamp receiving socket at one end of the standard, an externally threaded socket engaging projection at the opposite end of the standard, a reinforcing sleeve extending longitudinally within the standard, an insulating plate located at the bottom of the socket, an insulating plate at the outer end of the extension, an electric conductor extending through the reinforcing sleeve and having its opposite ends extending through the insulating plates and contact members at the outer ends of the conductor and bearing against the insulating plates.

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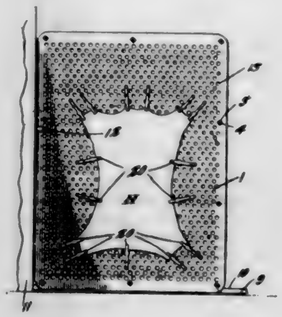
1,560,290. STRETCHER AND DRIER FOR HIDES. PETER T. O'BRIEN, Salem, Mass. Filed Mar. 12, 1923. Serial No. 624,548. 1 Claim. (Cl. 34—26.)



The combination with an upstanding structure and spring clips secured thereto and extending therefrom, said clips being arranged in pairs, of a rail extending from the bottom of the upstanding structure, an upstanding portion on the rail extending longitudinally thereof, and a rack slidably mounted on and supported by the rail and movable against the upstanding structure, said rack including spaced plates slidable along and guided by the upstanding portion on the rail, said plates being movable into engagement by and adapted to be held in upstanding positions by the respective pairs of clips.

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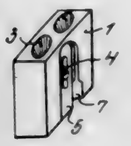
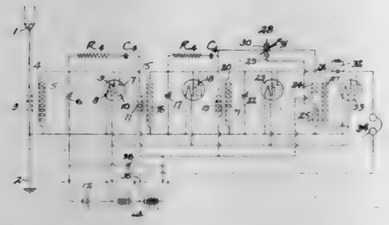
1,560,291. PENCIL SHARPENER. OTTO EGON BORK, Copenhagen, Denmark. Filed Aug. 8, 1925. Serial No. 49,012. 3 Claims. (Cl. 120—85.)

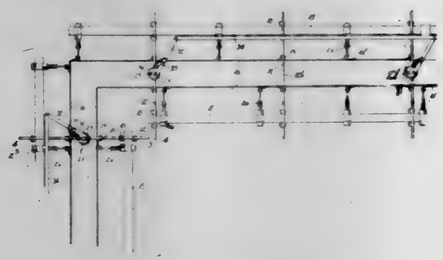


1. A pencil sharpener, comprising a body part with a conical bore therein, and a cut-away part forming a longitudinal opening into the conical bore, a knife-edge cutter mounted in said cut-away part and having its cutting edge projecting longitudinally into the conical bore, a scraper mounted on the body part and adapted to sharpen the lead of the pencil only, the said scraper consisting of a polygonal plate arranged to be turned in the plane of its support on the body part in order that any one of its circumferential edges may be brought in position to project into the conical bore in the body part to exert a scraping action on the lead of the pencil or crayon.

1,560,292. RADIOFREQUENCY AMPLIFIER. SAMUEL COHEN, Brooklyn, N. Y., assignor to Osodampa Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 8, 1924. Serial No. 736,603. 5 Claims. (Cl. 179—171.)

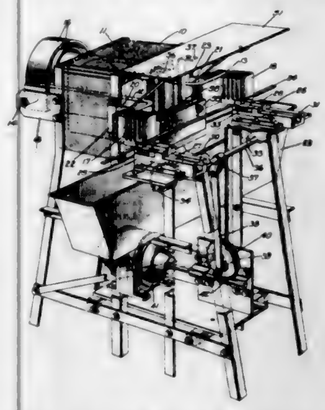


1. A radio frequency amplifier comprising in combination a plurality of electron tubes each having input and output circuits interlinked one with the other, a detector connected with the output circuit of one of said tubes, means connected between the input and output circuits of said tubes immediately preceding the tube next adjacent said detector for preventing regenerative amplification and a three electrode condenser having two of its electrodes connected between the output circuit of said tube immediately preceding the tube next adjacent said detector and the output circuit of said tube next adjacent said detector, and a connection between the third electrode of said condenser and a separate winding magnetically coupled with the input circuit of said detector for permitting regenerative amplification whereby received signaling energy may be impressed at relatively large amplitude upon said detector.

1,560,293. WALL-MOLDING APPARATUS. WALTER T. FELS, Philadelphia, Pa., assignor of one-half to Paul J. Kilbride, Philadelphia, Pa. Filed May 13, 1925. Serial No. 30,073. 6 Claims. (Cl. 25—131.)

1. In a wall molding apparatus, a plurality of screws to engage in the upper portion of a concrete wall under construction and adapted to travel upwardly and withdraw partially from the concrete as the wall is built up course upon course, a nut on each screw to travel upwardly thereon by the rotation of the nut on the screw, the screws having stops thereon above the nuts for the contact of said nuts, a wall form supported by said nuts, and means connected to said nuts for simultaneously turning them.

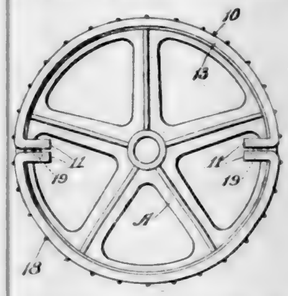
1,560,294. ELECTRIC HEATING APPARATUS. HENRY GRISENHÖNER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 25, 1922. Serial No. 603,333. 10 Claims. (Cl. 219—13.)

10. An electric annealing machine comprising a transformer provided with a secondary winding including parallel pivotally mounted bars, said bars having two ends electrically connected and their opposite ends forming terminals, supports under said terminals, feeding members slidably mounted on said supports, gear racks carried by said members, a shaft, gear sectors secured to said shaft cooperating respectively with said racks, and



driving means for rocking said shaft whereby said feeding members are moved away from said terminals to receive an article to be heated and toward said terminals to push the article under said terminals and thereby close a heating circuit through the article.

1,560,295. COURSE INDENTING ATTACHMENT FOR ROAD ROLLERS. RAYMOND W. KEELER, Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio, a Corporation of Ohio. Filed Jan. 8, 1925. Serial No. 1,287. 2 Claims. (Cl. 94—45.)



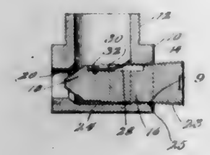
1. An indentation-forming attachment for road rollers comprising oppositely disposed roller clamps, each clamp comprising a plurality of sections adapted to embrace the rim of the roller, each section being formed of angle iron to provide a flange resting upon the rim of the roller and a flange extending vertically inward from the outer edge of the roller, means holding these sections in connected engagement with each other and clamped upon a wheel, and transversely extending flexible indentation-forming members engaged at the ends with said clamp.

1,560,296. SEDIMENT PLUG AND VALVE. BENJAMIN S. MAHAFFEY, Chicago, Ill. Filed July 10, 1922. Serial No. 573,853. 4 Claims. (Cl. 251—152.)

1. A combined sediment plug and valve comprising a plug casing having a sediment collecting chamber therein, opposite sides of the plug casing having openings therein, one of said openings having a seat and the other opening having a thread, a threaded valve member in the latter opening and having one end adapted to engage



the seat and the other end adapted for application of a tool for turning the same, the top of the valve member having a groove therein, and a spring fixed in the groove

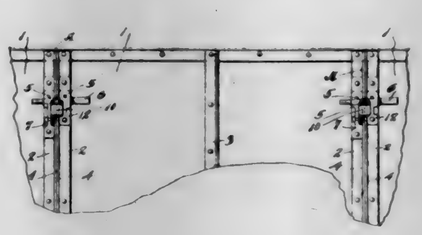


and adapted at its outer end to engage an inner face of the plug to prevent accidental removal of the valve member.

1,560,297. OXIDIZING ORGANIC BODIES. JOSEPH V. MEIGS, Montclair, N. J., assignor, by mesne assignments, to Ellis-Foster Company, a Corporation of New Jersey. Filed Apr. 4, 1919. Serial No. 287,441. 10 Claims. (Cl. 260—108.)

1. In the catalytic oxidation of an organic aromatic body, mixing the vapor of the organic body with an oxygen-containing gas, an internal gaseous cooling agent and a gaseous accelerating agent and subjecting the whole to the action of a vesiculated catalytic agent containing iron oxid combined with an acidic oxid of a metal, at between 200° C., and a red heat, and maintaining the $CO_2$ in the exit gases at not above 3%.

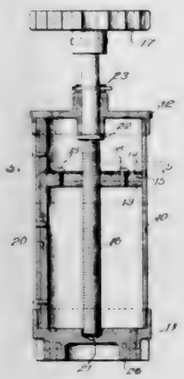
1,560,298. WALL FORM. ROY M. MOSS and OSCAR B. PULIS, Milwaukee, Wis., assignors to Metal Forms Corporation, Milwaukee, Wis., a Corporation. Filed July 3, 1924. Serial No. 724,138. 8 Claims. (Cl. 25—131.)



1. In combination, spaced form units, tie rods extending across the space between the units and having their opposite ends passing through the latter, angle plates on the form units adjacent to the ends of the rods, and wedges slidable at right angles to the tie rods and engageable with the latter to lock them connected with the form units, and clamps connecting the form units together and cooperating with said wedges.

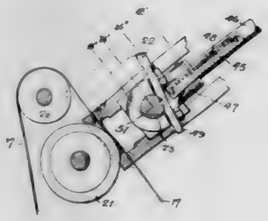
1,560,299. MULTIPLE LUBRICATOR. WILLIAM O. OLSON, Chicago, Ill. Filed Feb. 7, 1920. Serial No. 357,078. 1 Claim. (Cl. 184—38.)

A lubricator comprising an open ended cylindrical body threaded at opposite ends, a distributor head having a threaded cylindrical flange fitted to one end of the body, the outer face of the head having a cylindrical rib pierced by outlet passages communicating with the interior of the body, adjustable regulator plugs extending through the rib and transversely intersecting the respective outlet passages, a cap threaded upon the other end of the body and provided with a central opening having bearing bosses at opposite sides of the cap, a plunger working in the body, a rotatable shaft stepped in a socket in the inner face of the distributor



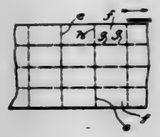
head and extending through the said bosses and opening in the cap, said shaft being screw-threaded below the cap and extending through a screw-threaded opening in the plunger, an annular flange on the shaft and engaged with the inner end of the inner boss, and a handle on the outer end of the shaft.

1,560,300. REGISTRY DEVICE FOR BAG-MAKING MACHINERY. CARL W. OMAN, South Windham, Conn., assignor to The Smith & Winchester Mfg. Co., South Windham, Conn., a Corporation of Connecticut. Filed Apr. 18, 1924. Serial No. 707,445. 6 Claims. (Cl. 93—83.)



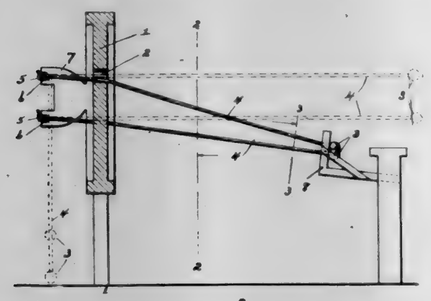
2. In a paper bag machine of the variable speed paper-feed type, a thumb-lip knife, a shaft on which the knife is mounted, a scale mounted in fixed position adjacent the plane of travel of the knife, and means for adjusting the knife with respect to the scale to vary its radius and thus correlate its linear speed to that of the paper web.

1,560,301. ROOFING. FREDERICK C. OVERBURY, Hillsdale, N. J., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 19, 1919. Serial No. 291,401. 2 Claims. (Cl. 154—51.)



1. A sheet of roofing having angularly disposed rows of spaced slits partially defining roofing units which may be readily separated, slits of angularly disposed rows intersecting each other to define the corners of the units whereby the production of ragged corners when the units are separated is prevented.

1,560,302. GAME APPARATUS. ALFRED M. PALMER, Troy, N. Y. Filed July 23, 1921. Serial No. 486,942. 1 Claim. (Cl. 273—98.)

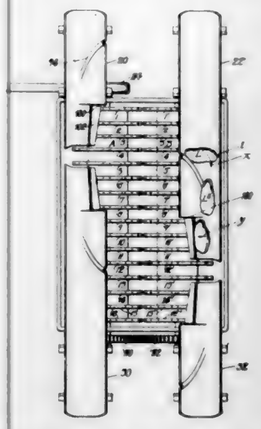


A game apparatus comprising a board provided with an aperture, a missile freely movable through said aperture, a stationary support in rear of said board at a distance therefrom greater than the diameter of the missile, and an elastic connection between said missile and said support at a point substantially in line with the axis of said aperture.

1,560,303. DOUBLE EARPIECE. HERMAN G. PAPE, New York, N. Y. Filed Jan. 17, 1924. Serial No. 686,861. 22 Claims. (Cl. 179—182.)

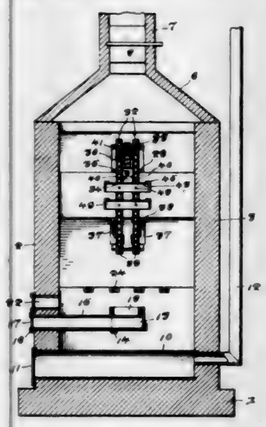
3. An earpiece of the class described having an interior sound chamber of convex formation, said sound chamber being provided with a series of sound swell chambers, said sound swell chambers being provided with a minute compression release or vent, said release or vent opening into a protective groove or hollow located on the exterior of said earpiece.

1,560,304. FEEDER FOR COAL BREAKERS. FRANK PARDEE, Hazleton, Pa. Filed Oct. 24, 1922. Serial No. 596,570. 14 Claims. (Cl. 83—52.)



1. In combination with the rolls of a rotary breaker, a feeder for conveying lumps thereto comprising a vibrating member extending lengthwise of said breaker rolls, and arranged to deposit the lumps one at a time on the breaker rolls with their longest axes approximately parallel with the axes of rotation of said rolls.

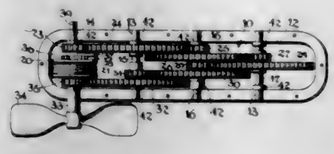
1,560,305. DEHYDRATOR. ARTHUR W. PARKER, Midwest, Wyo., assignor to Lloyd A. Parker, Midwest, Wyo. Filed Aug. 28, 1924. Serial No. 734,767. 5 Claims. (Cl. 34—11.)



4. A dehydrator of the character described comprising a hot air chamber, a drying chamber and a loading chamber, conveying means extending from the loading chamber into the drying chamber, trays associated with the conveying means, perforated bottoms formed on each tray, elongated strips arranged in said trays and resting upon the bottom thereof, pins rising from each of the elongated strips and being adapted to receive the food products singly, means projecting from the ends of each tray to be received by the conveying means, and said projecting means being spring held and slidably mounted in a manner whereby said trays can be detachably associated with the conveying means and automatically dropped therefrom.

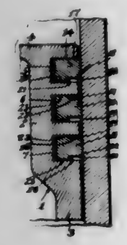


1,560,306. FAN MOTOR. JAMES S. PATTERSON, Abilene, Tex., assignor of one-fourth to William E. Patterson and one-fourth to J. S. Patterson, jr., both of Abilene, Tex. Filed Oct. 6, 1923. Serial No. 666,950. 2 Claims. (Cl. 185—27.)



1. A device of the class described, comprising a support having transversely aligned bearings, a shaft journalled at one end in one of said bearings, a hub element bearing a gear pinion and journalled in the other of said bearings, said hub element formed with a seat to receive the other end of said shaft, a winding drum mounted to rotate with said shaft and carrying a ratchet wheel, a gear pinion rotative upon said shaft and carrying a pawl engaged by said ratchet, a cable having a weight attached thereto at one end and connected at the other end to said drum and adapted to be wound thereon, and a train of gears between the pinion of said shaft and the pinion of said hub element, whereby said drum is rotative under the influence of said weight and the motion of the drum communicated to the hub.

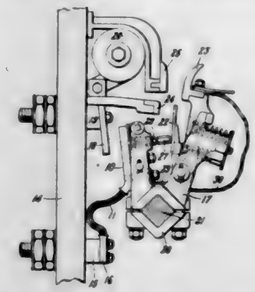
1,560,307. PISTON. DOCK J. FEELER, Nashville, Tenn. Filed July 8, 1925. Serial No. 42,239. 5 Claims. (Cl. 74—109.)



1. A group of spaced piston rings for mounting in the grooved periphery of a piston to prevent oil pumping consisting of at least three in number, each of said rings having the outer portion of the follower face thereof inset to provide in connection with the rear side wall of the groove in which it is mounted a trap opening at the periphery of the piston, each of the opposed walls of each trap extending in the same plane throughout and arranged in parallelism throughout, each of said traps of a depth approximately half the width of the body of a ring and of a width less than a quarter of the width of a piston groove.

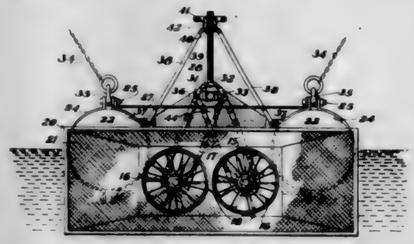
1,560,308. ELECTRICAL SWITCH. CHARLES L. PERRY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 19, 1923. Serial No. 669,557. 3 Claims. (Cl. 200—166.)

1. In an electric switch, a stationary contact, a stationary terminal, a flexible conductor comprising a plurality of strands having one end fastened to said terminal and its other end forming a movable contact adapted to make contact with said stationary contact,



the strands at said end forming the movable contact being consolidated into a substantially solid and rigid mass.

1,560,309. CURRENT MOTOR. LAURITS A. PETERSEN, Los Angeles, Calif. Filed June 4, 1924. Serial No 717,762. 4 Claims. (Cl. 170—129.)

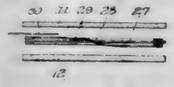


4. In a current motor, the combination of a frame forming a channel with bottom and side walls, a mouth at each end of the channel with converging walls leading to the channel, a plurality of longitudinal shafts journaled within the channel and having water wheels at each end thereof, a plate extending across each end of the channel with circular openings in front of each water wheel and of substantially the same size as the water wheel, a float at each side of the frame and contained within the space between the walls of the mouths with the inner sides of the floats forming upward extensions for the side walls of the channel, clamps encircling the respective floats, brackets secured to the side walls and to the lower extremities of the clamps, transverse bars connecting the upper ends of the clamps, bearings supported by said bars, a power shaft journaled in said bearings and operatively connected to each of the water wheel-shafts, cleats secured to the inner sides of the floats and the channel walls and forming vertical opposed guideways, a gate mounted in said guideways and having vertical slots through which said shafts pass, and screw threaded means for raising and lowering said gate.

1,560,310. GRID-LEAK CONDENSER. CARL PFANSTIEHL and WILLIAM OSCAR BELL, Highland Park, Ill., assignors to Pfanstiehl Radio Company, Highland Park, Ill., a Corporation of Illinois. Filed Jan. 2, 1924. Serial No. 683,952. 7 Claims. (Cl. 250—16.)

4. In a condenser, similar plates alternately oppositely faced, holes in said plates, rivets snugly fitting said holes in the plates, oppositely placed holes in alternate plates larger than the first named holes and

registering with the same, insulating material separating said plates, said insulation snugly fitting said rivets, central openings in two adjacent plates, and a grid leak



extending across said openings, having its ends connected to said plates, and a metal strip slidable over said grid leak to vary the resistance of the same.

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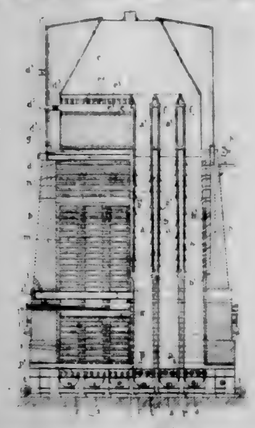
1,560,311. CONTINUOUS DISTILLATION OVEN. JULIEN PIETERS, Paris, France. Filed July 23, 1924. Serial No. 727,737. 5 Claims. (Cl. 202—9.)



1. A vertical apparatus for the continuous distillation of lignite, peat, and like carbonaceous materials, comprising a block, a number of vertical retorts arranged in said block in rows in two directions at right angles to one another,—each retort presenting in cross section a length greater than its width,—and passages in the walls separating said retorts, parallel to the major axes thereof for the passage of heating gases, in combination with flues standing vertically between the retorts, along the major axes of the latter, said flues being adapted to collect the gases of distillation, and other passages connecting each of said retorts with said flues at a plurality of heights.

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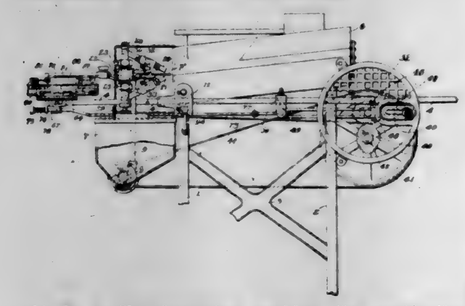
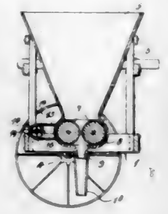
1,560,312. FILE-SHARPENING MACHINE. EMLEN P. PITFIELD, Taunton, Mass. Filed Jan. 2, 1920. Serial No. 348,876. 15 Claims. (Cl. 51—10.)



11. In a file sharpening machine, the combination with an abrasive reservoir and a blast gun, of a pump having draft upon said reservoir and connected with said gun.

1,560,313. FERTILIZER DISTRIBUTOR. WALTER F. PITTMAN, Kenly, N. C. Filed July 10, 1924. Serial No. 725,206. 1 Claim. (Cl. 221—130.)



A hopper having outward bulges in the side walls above the discharge spout, contiguous feed rollers journaled adjacent the bulges to be approximately one-half housed in said bulges, the remaining or unhoused portions of said rollers constituting the bottom of said hopper and supporting the material therein.

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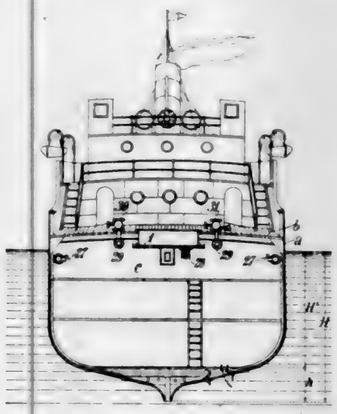
1,560,314. MEANS FOR PREVENTING SHIPS AND VESSELS SINKING. JEAN PAUL POLOUECTOFF, Paris, and ILYA BOKHANOWSKY, Toulon, France, assignors of one-half to Wadim de Wergelsky, Paris, France. Filed Aug. 4, 1923. Serial No. 655,757. 8 Claims. (Cl. 114—68.)



6. A ship divided into air-tight compartments said compartments having hatch-ways, a hatch arranged beneath the deck-plates and movable to open or close said hatch-way, said hatch having an air-lock communicating with the compartment and the atmosphere, and means for forcing compressed air into said compartment.

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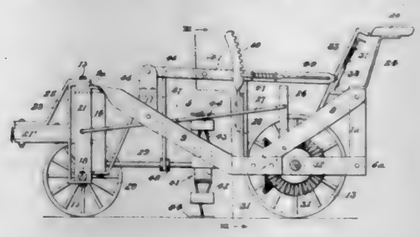
1,560,315. BEET BLOCKER. JOSEPH F. PRENOSIL, Georgetown, Minn. Filed Feb. 7, 1924. Serial No. 691,210. 1 Claim. (Cl. 97—15.)

In a device of the class described, a frame including a rear section formed of connected vertical and horizontal U-shaped members, forwardly and upwardly extending side bars connected to the rear section, cross braces connecting the front end portions of the side bars, a rear axle having ground engaging wheels journaled in the rear section, reversely bent brace members extending downwardly and forwardly from the rear one of the cross braces with their lower ends underlying the front cross brace, a vertical block supported by the front cross brace and the ends of the reversely bent



brace members, said block having a well formed longitudinally therein, and a slot formed in the rear wall thereof, a pair of upstanding spaced arms carried by the horizontal U-shaped frame member, a vertically, bodily shiftable shaft having a head at one end received in the well of the vertical block and projecting through



the slot of the same with the remaining end portion of the shaft positioned between the pair of spaced arms, a cutter wheel carried by the shaft, means for connecting the shaft to the rear axle when the shaft is located with the cutting wheel operatively arranged in respect to the ground, and means carried by the rear cross brace for moving said shaft vertically.

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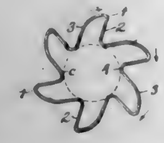
1,560,316. CABLE SPLICE. HARRY PRINCE, Buffalo, N. Y. Filed Apr. 3, 1924. Serial No. 704,083. 2 Claims. (Cl. 173—263.)



1. A cable splice comprising a tube or sleeve formed with longitudinal corrugations and adapted by a series of blows applied to said corrugations to be deformed into mean circular outline whereby the corrugations are laid shingle-wise on one another.

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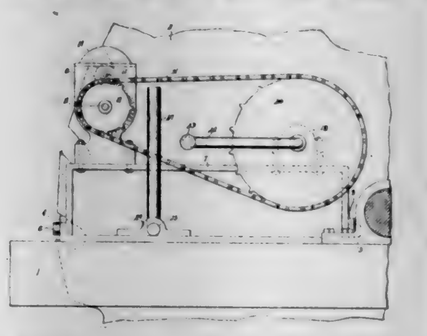
1,560,317. SAW GRINDER. JOHN W. RAUCH and ROYAL R. RAUCH, Newport, Wash. Filed Jan. 28, 1925. Serial No. 5,401. 1 Claim. (Cl. 76—45.)



A means for grinding and sharpening the teeth of a circular saw, in which the said saw is journaled on a bed, comprising a substantially U-shaped frame whose ends are removably journaled in bearings on the bed, a housing on the frame, oppositely directed shafts journaled in bearings in and projecting through the housing, a gear on one of the shafts, a pinion on the other shaft in mesh with the gear, a grinding stone removably secured on the last mentioned shaft, a sprocket wheel on the end of the other shaft, a bearing fixed on the frame, a shaft having a crank handle journaled in the bearing, a comparatively large sprocket wheel secured on the shaft and a sprocket chain trained around this wheel and around the first mentioned sprocket wheel, a rod slidable in bearings on the frame, spaced fingers on the rod straddling the frame, and an operating handle for the rod, for the purpose set forth.

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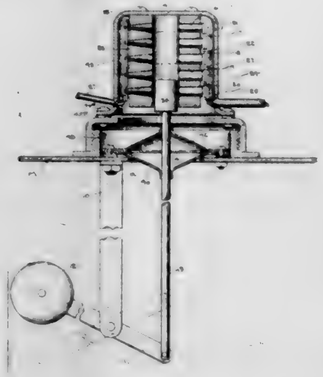
1,560,318. GASOLINE-TANK GAUGE. WALTER F. REED, Chicago, Ill. Filed Jan. 6, 1922. Serial No. 527,456. 1 Claim. (Cl. 200—84.)



The combination with a tank, a lever fulcrumed therein, a float at one end thereof, and a reciprocal plunger pivoted thereto at the other end, a block of insulating material, a series of screws tapped therethrough, and each separated into two sections by a bore through said block, laterally projected contacts carried by the plunger, a plate connecting the outer ends of the other sections, and constituting the common terminals of the opposite ends of said contacts said plunger connecting said terminals.

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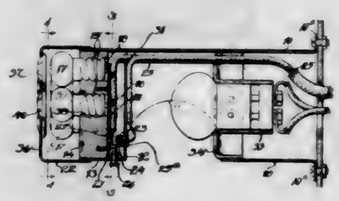
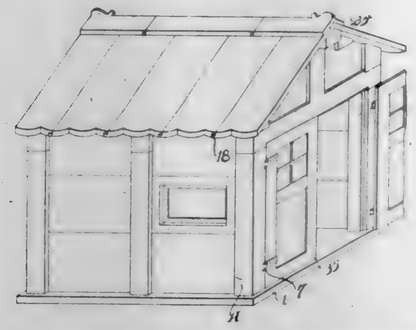
1,560,319. ELECTRIC LAMP. WALTER F. REED, Chicago, Ill. Filed Jan. 6, 1922. Serial No. 527,457. 2 Claims. (Cl. 177—324.)



2. In combination, a tubular casing having a lateral opening, a lamp socket within said casing and accessible through said opening, an insulating block disposed at the forward end of said casing, said block having a plurality of passages adapted to receive lamp bases, socket terminals in said passages, and a cap mounted on the forward end of said casing and a plurality of lenses mounted in said cap and disposed over the said sockets.

1,560,320. KNOCKDOWN BUILDING. HENRY REGENAUER, St. Paul, Minn. Filed May 17, 1924. Serial No. 713,946. 6 Claims. (Cl. 72—1.)



1. A knock-down building of the character described having a wall structure consisting of grooved columns spaced apart, anchor bars projecting therefrom, removable wall panels slidably inserted between said columns to be supported thereby, cross beams to interlockingly join opposite wall sections, a longitudinal beam supported by the grooved columns to engage the anchor bars projecting from the columns to interlockingly connect laterally adjacent wall sections, an upright member integral with a cross beam, a ridge beam supported on the upright member to position said upright engaging said ridge beam, and panels supported by the ridge beam and the interlocking beam supported by the columns to form a roof.

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1,560,321. REENFORCED GLASS. GEORGE BAKER RILEY, East Dulwich, England. Filed Apr. 30, 1925. Serial No. 27,055. 6 Claims. (Cl. 49—81.)

1. A manufacture of reenforced glass of the kind wherein glass sheets are cemented to opposite sides of a sheet of celluloid, characterized in that the glass sheets are treated with a solution containing isinglass and a dextrin gum, the sheet of celluloid is treated with a solution of colophony and castor oil, and the prepared surfaces of the glass and celluloid are united by heat and pressure.

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1,560,322. RIFLE BARREL AND SIGHT PROTECTOR. WILLIAM F. ROBERTS, Phoenix, Ariz., assignor of one-half to Sidney Owen, Phoenix, Ariz. Filed May 11, 1925. Serial No. 29,506. 4 Claims. (Cl. 42—1.)

1. A gun muzzle and sight protector comprising, a substantially U-shaped element, means upon one leg thereof for closing a gun muzzle, and means carried upon the other leg thereof adapted to protect a front sight, said sight protecting means being longitudinally adjustable upon its supporting leg.

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1,560,323. FEVER CURE AND FEVER-PREVENTION MEANS. CHARLES H. ROBERTSON and CHARLES L. ALLISON, Salem, Oreg. Filed June 28, 1923. Serial No. 648,264. 2 Claims. (Cl. 119—146.)

2. In fever cure and prevention means for milk producing animals, an udder apron, a resilient support for holding the same in engagement with an udder, adjustable means for reducing the operative size of the apron to accommodate the same to udders of different sizes, said apron being formed of a fabric sheet folded upon itself

at one end and stitched to provide a plurality of cross pockets, a belt extending through each pocket and anchored therein and attaching means for the resilient supports carried by the ends of the straps.

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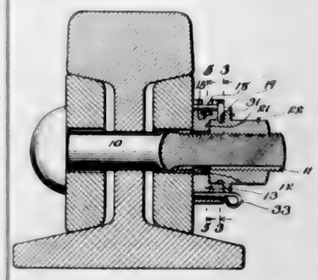
1,560,324. LOCK NUT. JOHN ROGLER, Jefferson, Wis. Filed Feb. 27, 1923. Serial No. 621,563. 1 Claim. (Cl. 151—13.)



The combination of a bolt having a longitudinal groove extending throughout the length of its threaded portion, a lock fitting about said bolt, a key carried by said lock slidable in said groove, a nut having a series of notches in its outer face, a detent engageable in said notches, means cooperating with said detent to permit a right hand turn of said nut and preventing a reverse turn thereof, a second detent engageable in said notches, means cooperating with said second detent to permit a left hand turn of said nut and prevent a right hand turn of said nut, an arm on said first detent manually operable to move said detent to inoperative position, an arm on said second detent manually operable to move said detent to inoperative position, said lock having a peripheral groove provided with upper and lower undercut portions and a pair of tapered springs having their enlarged ends fitted within said grooves and having their smaller ends operatively engaging said detents and urging said detents towards locking position.

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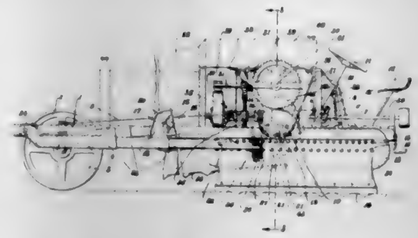
1,560,325. TRACTOR. ROBERT E. ROY, Oakland, Calif. Continuation of abandoned application Serial No. 507,358, filed Oct. 12, 1921. This application filed Nov. 22, 1924. Serial No. 751,710. 8 Claims. (Cl. 180—8.)

1. A tractor embodying in combination, a frame, a rolling support adjacent to one end of said frame, two sets of treading steppers forming other supporting means for said frame and arranged at opposite sides of the central fore and aft axis thereof, an engine on said frame, and driving connections between said engine and steppers operating to drive a stepper of each set rearwardly at a



certain speed and forwardly at a relatively accelerated speed, said driving connections including two sets of rack faces on each stepper, and two driving spur gears of different sizes meshing therewith.

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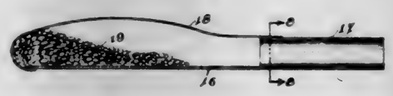
1,560,326. CONFETTI GUN. GRACE G. RUTHERFORD, Libertyville, Ill. Filed June 28, 1924. Serial No. 722,923. 2 Claims. (Cl. 46—37.)



1. A confetti gun, comprising a bag formed of two sheets of material united at their edges in such manner as to form a bag, said sheets being extended at one end into a neck, one of said sheets being further extended at said end and rolled to form a discharge tube.

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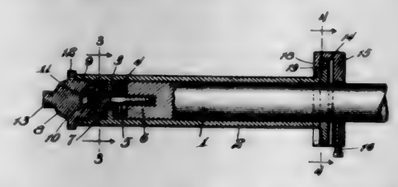
1,560,327. WHEEL AND SHAFT BOXING. CLARENCE B. SCHNEIDER, Garfield, Wash. Filed Dec. 20, 1923. Serial No. 681,862. 2 Claims. (Cl. 301—112.)



1. A construction of the kind indicated including a shaft and a boxing fitting the journal portion of the shaft, the boxing adjacent one end being provided with an interior division wall having a bearing bushing fitted therein, a spindle threadingly engaged in the extremity of the journal portion of the shaft and extending through the bearing bushing, and a hub cap exteriorly threaded for engagement with the interior threads in the boxing, the spindle being provided with an annular head disposed between the division wall and the inner end of the hub cap to take care of the end thrust in either direction on the shaft.

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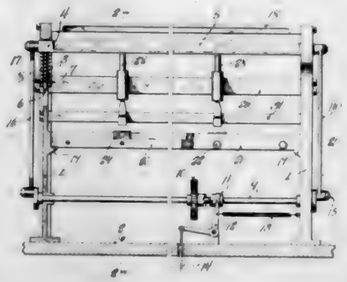
1,560,328. COMBINED STAPLING, PERFORATING, AND PUNCHING MACHINE. MICHAEL F. SCHULIST, Milwaukee, Wis. Filed Aug. 23, 1924. Serial No. 733,802. 3 Claims. (Cl. 1—3.)

1. The combination of a machine having a pair of uprights, a pair of clamping jaws extending from one upright to the other and constituting a bed plate, a crosshead slidably carried by said uprights and located above said bed plate, manually controlled power driven means for reciprocating said crosshead, a tool having a



base removably locked between said clamping jaws and having a movable plunger located below said crosshead, a guide for said tool, and a stationary bar supporting said guide and having its ends secured to said uprights.

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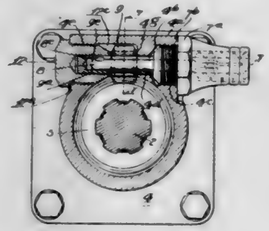
1,560,329. FLEXIBLE-SHAFT TRANSMISSION DRIVE. WILLIAM H. SCHULZE, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Jan. 7, 1924. Serial No. 684,737. 2 Claims. (Cl. 74—7.)



1. In combination with a transmission casing of a motor vehicle and power transmitting train therein, said casing having facing apertures in opposite walls thereof, a flexible shaft having its casing member terminal adapted to fit in and constitute a closure for one of said facing openings; and its rotating shaft member terminal exposed at the end of said casing terminal for rotative engagement; a gear pinion diametered for entrance in the direction of its axis through the other of said casing apertures and having means for rotative engagement with the rotating shaft member, and a closure for the second aperture adapted for insertion in the direction of its axis thereinto, said closure having a journal bearing for the pinion and being adapted for embracing the pinion to stop it in both axial directions.

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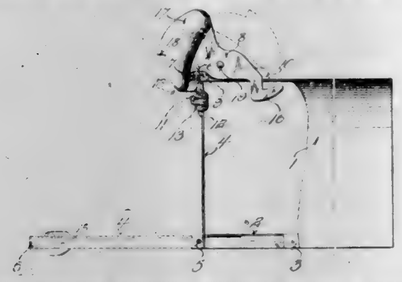
1,560,330. MAIL BOX. FERDINAND SCHWARZ, Sheboygan, Wis. Filed Jan. 23, 1925. Serial No. 4,185. 1 Claim. (Cl. 292—218.)

A mail box comprising a body portion, a door closing one end thereof and pivoted adjacent its lower end to the said body portion, a latch pivoted to the upward forward part of said body portion and having a weighted handle and an inwardly directed latching tongue adapted to be positioned in front of said door when said door is closed, said latching tongue having an aperture therethrough, said latch having an arm extending inwardly of said box and provided with a projecting member adapted to contact with the inner side of said door

when said latch is rocked rearwardly to thus throw said door open, said weight being so related to the pivot point of said latch as to occupy positions on opposite sides of said pivot point when said latch is in its locking



and unlocking positions, said door having a forwardly projecting eyeletted portion adapted to project through the aperture in said latching tongue, and a lock having a bail adapted to be passed through said eyeletted portion, whereby said door may be locked in closed position.

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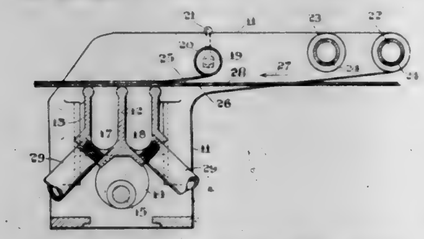
1,560,331. APPARATUS FOR WASHING PAPER-MACHINE FELTS. JOHN T. AYERS, Lachute, Canada. Filed Feb. 16, 1924. Serial No. 693,390. 4 Claims. (Cl. 92—50.)



4. An apparatus for cleaning paper machine felts, comprising a suction box disposed for engagement with the face of the felt, a flexible sealing member positioned above the suction box and the back of the felt, means for rolling the flexible sealing member clear of the felt when it is not in use, and means for directing washing and drying fluids against the back of the felt.

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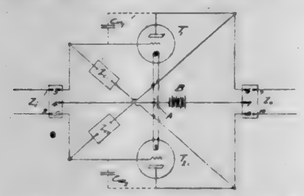
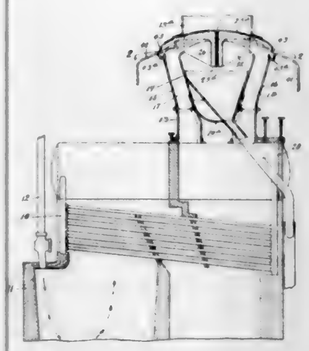
1,560,332. METHOD OF AND MEANS FOR REDUCING RETROACTIVE CURRENTS IN PUSH-PULL AMPLIFIERS. STUART BALLANTINE, White Haven, Pa., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J., a Corporation of New Jersey. Original application filed Apr. 3, 1923, Serial No. 629,702. Divided and this application filed July 3, 1924. Serial No. 724,123. 4 Claims. (Cl. 179—171.)



1. The method of preventing the output circuits of a push-pull amplifying stage from affecting the input circuit of said stage, which comprises balancing the retroactive current due to the output circuit of one tube of said stage by a neutralizing current established by the output circuit of the other tube of said stage.

1,560,333. APPARATUS FOR SEPARATING SOLID PARTICLES FROM A GAS STREAM CONTAINING THEM. MAURICE W. CARTY, Boston, Mass. Filed Nov. 22, 1922. Serial No. 602,637. 39 Claims. (Cl. 183—24.)



1. Apparatus for separating solid particles from a gas stream comprising the combination of means to provide a dead gas space, means to establish a suction effect in said dead gas space, a duct to guide the gas stream over and in communication with said dead gas space, and means to direct a jet of water into the gas stream in substantially the direction of motion of the gas stream over said dead gas space.

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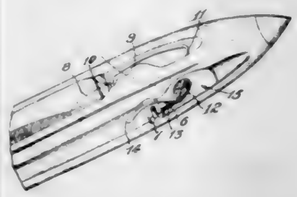
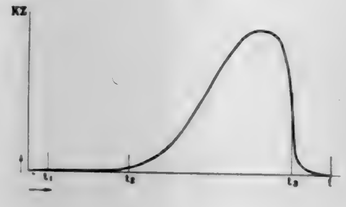
1,560,334. WEAVING SHUTTLE. PHILIPPE COMEAU, New Bedford, Mass. Filed May 6, 1924. Serial No. 711,478. 1 Claim. (Cl. 139—221.)



The combination with a shuttle having a bobbin receiving chamber and a thread receiving and guide chamber communicating therewith, said guide member being disposed longitudinally of one end portion of the shuttle and formed with a constricted intermediate portion in proximity to its point of communication with the bobbin chamber, the opposite portion of said chamber being enlarged and having one part thereof opening transversely onto one side of the shuttle, such opening onto said side of the shuttle having a constricted longitudinal way extending therefrom, a shuttle eye positioned in said side of the shuttle having its thread receiving recess communicating with said way, and the thread guide finger formed of a single piece of material having one end thereof anchored in the guide chamber adjacent its point of communication with the bobbin chamber and disposed longitudinally of such guide chamber, the outer part of said finger being bent downwardly and at angles upon itself and disposed in that portion of the same opening transversely onto said side of the shuttle, the free end of the finger being disposed in substantial parallel relationship to an adjacent portion of said side of the shuttle and arranged in proximity to the constricted longitudinal way and said shuttle eye.



1,560,335. PROCESS OF IMPROVING ALLOYS AND METALS. JOHANN CZOCHRALSKI, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a Corporation. Filed Mar. 27, 1924. Serial No. 702,439. 4 Claims. (Cl. 148—11.)




3. Process of producing single-crystal metal structures of predetermined physical characteristics, which consists in initially cold-working the metal structure to impart to it definite physical qualities, then maintaining the metal thus treated for an extended period at a relatively low re-crystallization temperature favorable to nucleus formation and then raising the crystallization temperature at a relatively high rate and maintaining the crystallization temperature until the conversion to a single crystal structure is completed.

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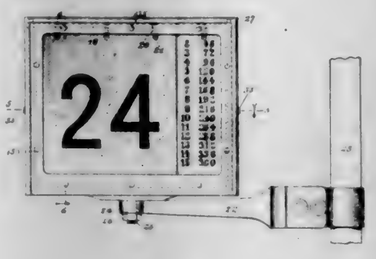
1,560,336. INDICATOR. JAMES FOSTER DODD, Delaware, Ohio. Filed July 3, 1924. Serial No. 724,004. 4 Claims. (Cl. 40—102.)




1. An indicator of the class described comprising a card holder having means at the bottom to secure the same to a support and having a top cross bar, a plurality of indicating cards, means swingably suspending said cards from the top cross bar, and a casing formed of side sections, said casing being in separable relation to the card holder and having side members and top members to exclude rain from the card holder, the said casing having transpicuous sides and said cards bearing indicia on faces thereof and so disposed that when a card is swung from one side of the holder over the top cross bar to the other side of the holder the same indicia will appear at both transpicuous sides of the casing.

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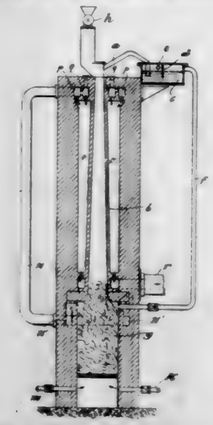
1,560,337. PLANT FOR GASIFYING FUEL. ARTHUR MCDOUGALL DUCKHAM, London, England. Filed May 2, 1921. Serial No. 466,222. 2 Claims. (Cl. 48—73.)

2. In a gas plant for the total gasification of fuel including a carbonizing retort and a gas generator, of the kind herein referred to, a water seal pot divided into equal compartments having free communication for passage of water between them, the outlet pipe of the retort being sealed in one compartment from which the



volatile products escape, and a communicating conduit between the other compartment, above the water level, and the top of the generator.

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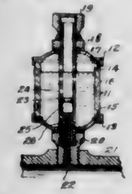
1,560,338. OIL CUP. LESLIE CARL DUTRO, Long Beach, Calif. Filed Sept. 6, 1922. Serial No. 586,486. 5 Claims. (Cl. 184—84.)



1. In a lubricating device, an oil cup adapted to be secured to a bearing to be lubricated, a filling tube in the cup and having a partition forming a well in its lower end, the tube being apertured to permit the oil in the cup to enter the said tube and its well, and a feed tube extending into the well above its communication with the cup.

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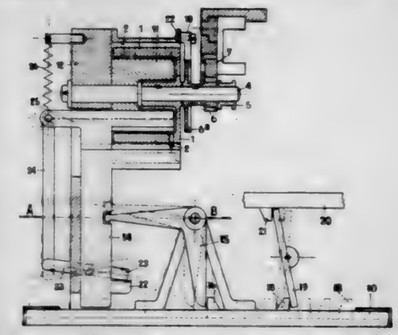
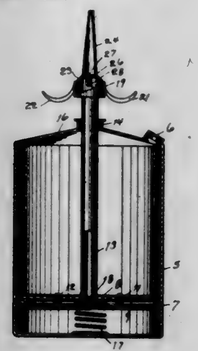
1,560,339. TYPOGRAPHICAL-POINT COUNTER. ARNOLD AUGUST EGLI, Bern, and HANS GRAF, Laupen-Bern, Switzerland, assignors to the Firm Polygraphische Gesellschaft, Laupen-Bern, Switzerland. Filed July 25, 1923. Serial No. 653,688. 24 Claims. (Cl. 276—11.)



1. In a machine for positioning types line for line, a typographical point counter comprising a movable distance measuring member, a fixed stop, arresting mem-

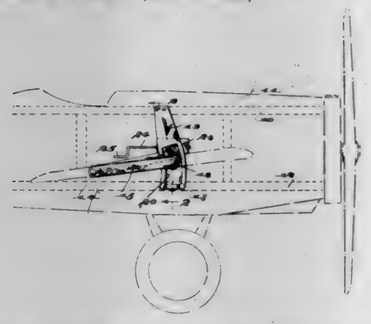
bers arranged in the distance measuring member for determining the extent of its movements, means for shifting an arresting member into the range of the said stop and means for moving the measuring member until a shifted arresting member thereof strikes the said stop.

1,560,340. OIL CAN. VICTOR ERICKSON, San Francisco, Calif. Filed Jan. 31, 1925. Serial No. 6,085. 1 Claim. (Cl. 221—50.)



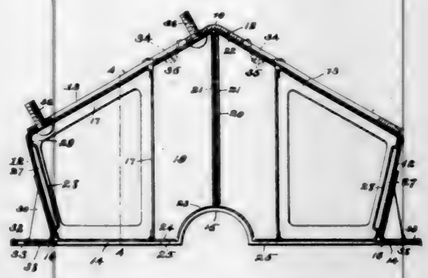
In a device of the character described, a can, a piston mounted in said can, means for normally maintaining said piston out of contact with the bottom of said can, a tubular member secured to said piston, a port formed in said piston and connecting with said tubular member, an enlarged portion formed on said tubular member at a point outside of said can, finger pieces secured to said enlarged portion, a spout removably secured to said enlarged portion, said spout having an enlarged end adapted to fit within the said enlarged portion in such a manner that said spout may project outwardly therefrom or may be reversed so as to be telescoped within said tubular member, and a valve positioned in said spout and adapted to open in such a manner as to discharge the contents of the can through said spout when said spout is projecting outwardly from said tubular member.

1,560,341. AIRPLANE-ADJUSTING DEVICE. HOWARD H. FLATH, Erie, Pa. Filed May 28, 1925. Serial No. 33,530. 5 Claims. (Cl. 244—29.)



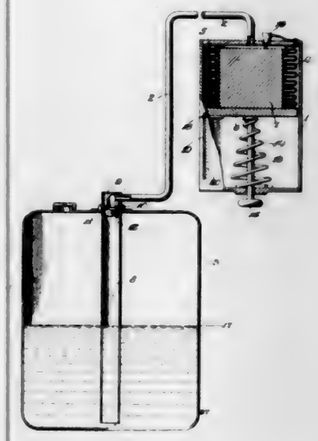
1. In an airplane wing controlling apparatus, forward and rear transverse shaft adapted to carry the wing beams of the plane, bearings in which one of said shafts is mounted, brackets having curved slots in which the other shaft is shiftable and having racks along one side of the slots, gears on said latter shaft engaging the racks, a worm wheel also on said latter shaft, a worm engaging the worm wheel, and a shaft on which said worm is secured, said last named shaft having a crank for manual rotation thereof.

1,560,342. SHEET-STEEL CRANK CASE. WILLIAM J. FOSTER, Dayton, Ohio. Filed Jan. 20, 1922. Serial No. 530,650. 14 Claims. (Cl. 121—194.)



2. A crank case having an upper and a lower section, each section consisting of a skeleton framework having longitudinal and lateral bracing members, and master plates having cross pieces provided with arcuate portions for receiving the main bearings of the crankshaft.

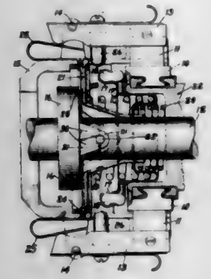
1,560,343. LIQUID-LEVEL GAUGE. ALBERT C. FOULK, Dayton, Ohio. Filed Mar. 21, 1923. Serial No. 626,540. 2 Claims. (Cl. 73—54.)



1. A liquid level gauge for a liquid container comprising a pipe projecting into the container through the top of said container, said pipe having its lower end adjacent the bottom of said container and adapted to receive liquid from said container, a float valve in the top end of said pipe, means for displacing the air in said pipe above the liquid level to thereby draw liquid into said pipe to cause the closing of said valve and means controlled by said displacing means for producing an indication proportional to the amount of air displaced, said means comprising an expansible chamber including a resilient bellows, a pipe connecting said expansible chamber to the pipe in said container, spring means normally maintaining said bellows compressed, and hand-operated means for removing the compression on said bellows to allow it to extend and thereby cause liquid to rise in the pipe in the container.

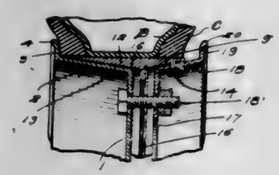


1,560,344. DYNAMO-ELECTRIC MACHINE. JAMES B. FRAWLEY, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 16, 1924. Serial No. 686,649. 13 Claims. (Cl. 172—279.)



1. In a dynamo electric machine, a commutator, brushes for said commutator, a short-circuiting means for said commutator, a speed responsive device adapted to operate said short-circuiting means and subsequently raise said brushes, and springs of different relative stiffness for opposing said speed responsive device, the initial movement of said speed responsive device being transmitted through the stiffer spring to move said short-circuiting means into short-circuiting engagement with said commutator and compress the lighter spring without substantially compressing said stiff spring, further movement of said speed responsive device compressing said stiff spring and raising said brushes.

1,560,345. RIM CONSTRUCTION FOR DISK WHEELS. JACOB H. FRIEND, Charleston, W. Va. Filed Feb. 5, 1924. Serial No. 690,754. 5 Claims. (Cl. 152—21.)

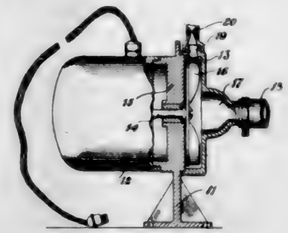


1. In an automobile wheel, a rim section provided with an inclined face, a plate secured to said rim section, a split ring adapted to engage the edges of said plate and having its inner surface inclined to conform to the inclined face of the rim section, and a clamping ring securable to said wheel complemental to said rim section and engaging said split ring.

1,560,346. PLASTIC COMPOSITION AND METHOD OF USING IT. CARL T. FULLER, Nutley, N. J., assignor to General Electric Company, a Corporation of New York. Filed Jan. 20, 1922. Serial No. 530,658. 8 Claims. (Cl. 106—22.)

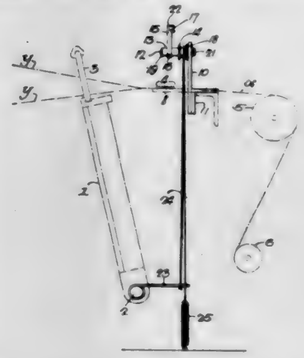
1. A plastic composition comprising an organic compound capable of being cured or hardened without change in color by heating to a critical temperature and having intimately incorporated therein a coloring material which changes color permanently only when heated to said critical temperature at which said compound is cured or hardened.

1,560,347. VACUUM COLLECTOR. LEWIS A. GAMBON, Canton, Ohio. Filed July 27, 1925. Serial No. 46,377. 5 Claims. (Cl. 132—9.)



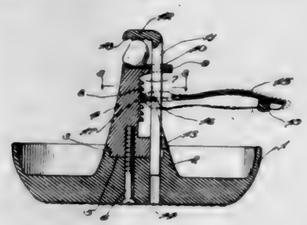
1. A device of the character described including a V-shape trough arranged to be placed around the neck of a person, a tubular channel communicating at one side with the bottom of the trough and a suction tube connected to the central portion of said channel.

1,560,348. SHARPENING DEVICE. CHARLES GEARINGER, Bloomsburg, Pa., assignor to The Magee Carpet Company, Bloomsburg, Pa., a Corporation of Pennsylvania. Filed Feb. 27, 1923. Serial No. 621,604. 5 Claims. (Cl. 139—39.)



1. The combination with a loom having a series of bladed pile wires, of a device automatically movable during the operation of the loom to enter between two blades and to simultaneously engage both of them to sharpen them.

1,560,349. NUTCRACKER. JOHN W. SCHWEITZER, Chicago, Ill. Filed July 14, 1923. Serial No. 651,550. 1 Claim. (Cl. 146—14.)



A nut cracker comprising a dish, a support upstanding from the bottom of the dish formed with a depression, a jaw member resting on said support and having a projection arranged in the depression, a screw se-

curing the jaw to the support, a second jaw having a shank slidably supported by said first jaw, a handle having a pin and slot connection with the second jaw, and a vertical series of teeth on the first jaw coacting with said handle for giving movement to the second jaw relative to the first jaw.

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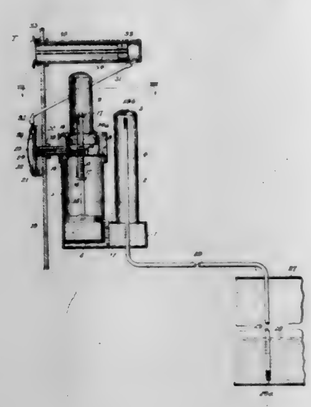
1,560,350. LIQUID-LEVEL INDICATOR. PETER J. SEFERLIS, Ithaca, N. Y. Filed Apr. 3, 1923. Serial No. 629,667. 4 Claims. (Cl. 73—54.)



1. Means for indicating liquid depth, wherein air pressure displacing a liquid causes movement of an indicator arm, comprising a casing having separate chambers containig a low level of liquid, a pipe connected to one chamber at a point above the bottom wall thereof and extending into the other chamber and terminating adjacent the bottom wall of said other chamber whereby the liquid in the first named chamber descends only to a predetermined level, a float in the first named chamber, an indicator arm, operative connections between the float and indicator arm, and a pressure pipe having one end submerged in the liquid to be measured with the other end extending into the other chamber and terminating adacent the upper end thereof above the liquid therein.

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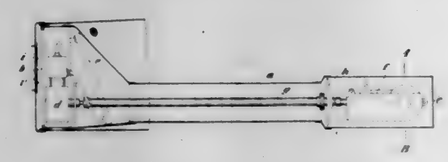
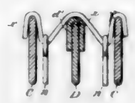
1,560,351. FRAME OF POWER-DRIVEN VEHICLES. ARNOLD SEIDEL, Berlin-Charlottenburg, Germany. Filed Dec. 16, 1924. Serial No. 756,305. 2 Claims. (Cl. 180—57.)



1. In a motor vehicle the combination with a body, of a hollow support extending through the body for the reception of the entire drive of the vehicle including the motor, the transmission elments and the rear axle drive, a fan connected to the drive and arranged within the casing, and an adjustable air admission means at the forward end of the support, substantially as and for the purposes set forth.

1,560,352. SINKER FOR KNITTING MACHINES. HARRY N. SHEPPARD, Newark, N. J., assignor to Scott and Williams, Incorporated, New York, N. Y., a Corporation of Massachusetts. Filed Nov. 13, 1922. Serial No. 600,772. 2 Claims. (Cl. 66—26.)



2. A knitting machine having needles and web-holding sinkers in combination with drop stitch sinkers interspersed in the set of web-holding sinkers and having their edges over which the yarn is laid thickened in comparison with the adjacent sinkers, for the purpose set forth.

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1,560,353. TOOL. EDWARD L. SLAGHT, Jr., and WILLIAM FROST, San Jose, Calif. Filed Mar. 26, 1925. Serial No. 18,479. 3 Claims. (Cl. 81—3.)

1. A tool of the character described, comprising an elongated body portion having a pin engaging finger formed thereon, an element slidably mounted thereon and provided with a finger arranged to cooperate with said first mentioned finger to grasp a pin, means for urging said fingers together, and means for slidably moving one finger relative to the other.

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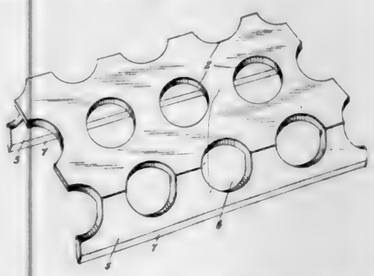
1,560,354. PAVEMENT. HERMAN H. SMITH, Brooklyn, N. Y. Filed May 14, 1924. Serial No. 713,194. 10 Claims. (Cl. 94—8.)



9. A metallic paving insert formed with a body part forming a wearing surface and with a downwardly extending anchoring side, the lower extremity of said anchoring side having a downwardly extending stepped reduced extension constituting a locking lug.

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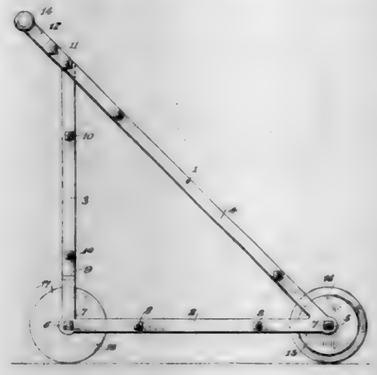
1,560,355. LAWN TRIMMER. EUGENE A. SNYDER and FRED C. ANDRETTA, Great Falls, Mont. Filed Nov. 10, 1924. Serial No. 749,008. 1 Claim. (Cl. 97—227.)

A lawn edge trimmer comprising an upright frame formed of two right triangular members arranged side by side in space relation, the upper portion of one side of each member being extended obliquely rearwardly of the frame, a guide wheel pivotally secured between said members at the forward part thereof, a cutting disk





pivotally secured between said members at the rear part thereof, and hand grips carried upon said oblique portions for propelling the device.

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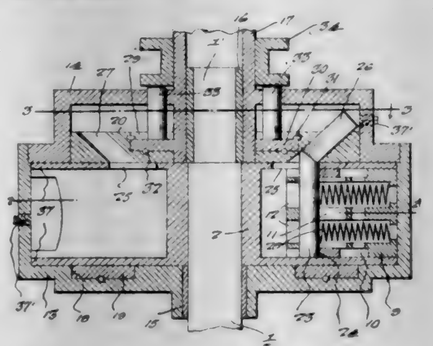
1,560,356. COMBINED HYDRAULIC CLUTCH AND TRANSMISSION. FLOYD G. SPENCER, Friendship, N. Y. Filed Apr. 8, 1924. Serial No. 705,072. 3 Claims. (Cl. 192—58.)



3. In a clutch of the class described, a driving shaft, a rotor keyed upon said shaft for rotation therewith, a housing in which said rotor is confined, a driven shaft upon which said housing is fixedly mounted, said housing and rotor being rotatble with respect to each other, spring projected plungers carried by said rotor and engageable with the peripheral wall of said housing, retracting pins for said plungers, there being a pin for each plunger and the pin being connected with the plunger and provided with an outwardly inclined extension, an operating plate for said pins arranged between the housing and rotor, said plate being provided with inclined bores in which the inclined extensions of said pins are slidably received, and means for moving said plate axially whereby to move said pins radially.

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1,560,357. MUSIC-LEAF TURNER. FREDERICK THEIL, Homestead, Pa. Filed July 17, 1922. Serial No. 575,564. 4 Claims. (Cl. 84—495.)

1. In a music leaf turner, a rack embodying a channel-shaped member provided with a depending portion, a plurality of music turning arms pivotally mounted between the upper and lower flanges of said channel member, spring means for swinging said arms from one end of said member to the opposite end thereof, a release finger engaged with said arms, said finger having its inner end enlarged and formed with teeth to provide a ratchet, a hand-operated actuator carrying a spring-pressed pawl for cooperation with teeth of said

ratchet, a pivot pin passing through said depending part, through said actuator and ratchet of the finger, and a supplemental actuator pivoted intermediate its ends on said pivot pin and engaging the first named actuator to move the latter when the supplemental actuator is operated.

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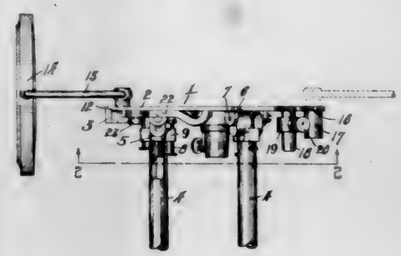
1,560,358. MIRROR STAND. JESSE P. TILSON, Toledo, Ohio. Filed Apr. 20, 1925. Serial No. 24,309. 2 Claims. (Cl. 248—41.)



1. A device of the class described, comprising a top member, pairs of ears on the underside of said member, legs for said member disposed between and pivoted to said ears, lateral extensions on said legs adjacent said member, set screws in said extensions having heads to engage the underside of said member thereby to hold said member in adjusted position and stop lugs on said member against which the heads of said screws are adapted to bear.

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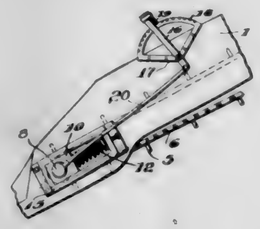
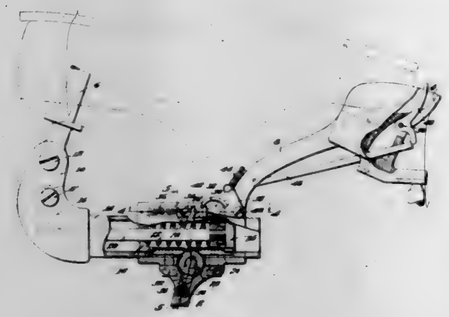
1,560,359. POTATO DIGGER. JOHN Q. TILTON, Mattawamkeag, Me. Filed Feb. 20, 1924, Serial No. 694,039. Renewed Aug. 29, 1925. 7 Claims. (Cl. 55—51.)



1. A potato digger embodying a shovel and an endless driven traveling conveyer arranged to receive the load from the shovel, and a spring-held rearwardly yieldable front idler shaft or roller for said conveyer combined with normally inactive means whereby said roller can be held against rearward movement.

1,560,360. SHOE-SUPPORTING JACK. LAURENCE E. TOPHAM, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Sept. 21, 1918, Serial No. 255,209. Divided and this application filed Mar. 1, 1920, Serial No. 362,365. Renewed June 15, 1922. Serial No. 568,581. 19 Claims. (Cl. 12—127.)



1. A jack for shoe machines having, in combination, a heel support, a toe rest, an actuating member arranged to operate during a continuous movement thereof in one direction to adjust the shoe longitudinally of the jack and to clamp the shoe on the jack, mechanism for stopping the shoe adjusting action and for causing the initiation of the shoe clamping action of said member, and means for tripping said mechanism when the shoe is located in a predetermined position on the jack.

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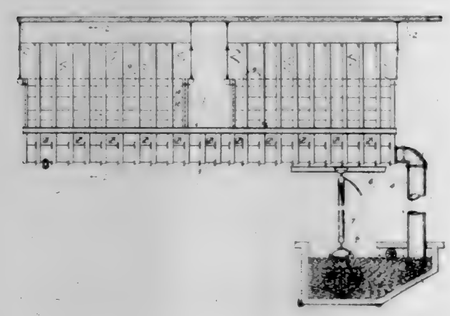
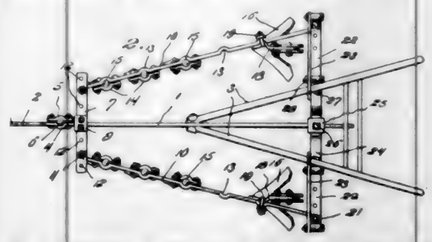
1,560,361. FLUID METHOD AND APPARATUS FOR CONTROLLING AND REMOVING MATERIAL FROM HOPPERS. FRANK B. ALLEN, Cynwyd, Pa., assignor, by mesne assignments, to Frank H. Dunbar. Filed Dec. 31, 1923. Serial No. 683,793. 14 Claims. (Cl. 302—14.)



1. In hopper construction, in combination, a hopper having a bottom opening, means for controlling the passage of material from the hopper through the said opening comprising a plate adjustably inclined beneath the said opening, and a supplemental plate rotatably mounted to cooperate with the top surface of the said inclined plate in controlling the passage of material through the said opening and means including a horizontally disposed trough and water under pressure for removing material passing through the said opening.

1,560,362. CULTIVATING IMPLEMENT. WALTER S. ANDERSON, Cobbville, Ga. Filed Apr. 18, 1924. Serial No. 707,457. 1 Claim. (Cl. 97—198.)



In a cultivator, a side bar having a transversely disposed semi-circular recess formed therein, a standard having a laterally disposed semi-circular hump formed therein and adapted to enter the recess of the bar, said hump being located at the line between the ends of the standards, a clamp bolt having its intermediate portion disposed transversely of the standard and the bar at the hump and recess thereof, the end portions of the bolt being disposed transversely across the edges of the standard and the bar, a clamp plate applied to the bolt and a soil engaging element carried by the standard.

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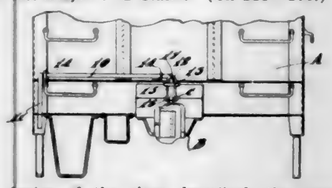
1,560,363. UNCOUPLING DEVICE FOR FREIGHT CARS. REUBEN ARKWRIGHT and ISAK MOELLER, New Glasgow, Nova Scotia, Canada, assignors, by mesne assignments, to Railway Devices Company, St. Louis, Mo., a Corporation of Missouri. Filed May 14, 1920. Serial No. 381,311. 1 Claim. (Cl. 213—170.)



In a device of the class described, the combination with an actuating rod, of an arm carried thereby, said arm being split and spread at its outer end to form a T-shaped link retaining end, a coupling pin, and a link member connecting said arm and pin, said member comprising an elongated loop at its lower end engaging with the pin eye and overlapping hooks at its upper end forming a closed slot surrounding the arm at the rear of the T-shaped end, said loop being separable for engagement of the link with the arm.

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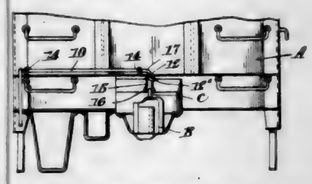
1,560,364. UNCOUPLING DEVICE FOR FREIGHT CARS. REUBEN ARKWRIGHT and ISAK MOELLER, New Glasgow, Nova Scotia, Canada, assignors, by mesne assignments, to Railway Devices Company, St. Louis, Mo., a Corporation of Missouri. Original application filed May 14, 1920. Serial No. 381,311. Divided and this application filed Dec. 14, 1920. Serial No. 430,871. 1 Claim. (Cl. 213—170.)



In a device of the class described, the combination with a coupler provided with a locking pin having an eye, of an operating rod having an outwardly extending arm.



the end of said arm being bent backwardly for forming a link retaining loop, and a single link having at its lower end an elongated loop supported at both sides and at its upper end hooks turned inwardly for engaging the arm, the loop on the arm permitting sliding movement of the link in longitudinal direction but limiting the amount of movement both forwardly and rearwardly.

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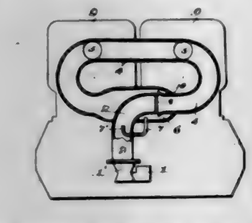
1,560,365. INTAKE MANIFOLD FOR INTERNAL-COMBUSTION ENGINES. GUY M. BALL, Dayton, Ohio. Filed May 17, 1923. Serial No. 639,575. 4 Claims. (Cl. 48—180.)



1. In an internal combustion engine having a carburetor and a plurality of cylinders, an intake manifold having a flared entrance opening and a portion which extends past the cylinder ports in the manifold, said extended portion terminating in an enlarged collector chamber which surrounds said flared entrance opening, and an intake pipe from the said carburetor extending into said manifold, the end of the intake pipe terminating in said enlarged chamber adjacent the flared entrance opening to form an injector.

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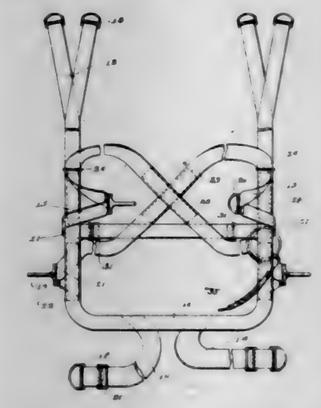
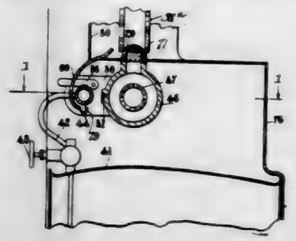
1,560,366. PARACHUTE HARNESS. GUY M. BALL, Dayton, Ohio, assignor to Irving Airchute Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed July 25, 1924. Serial No. 728,113. 11 Claims. (Cl. 244—21.)



1. In a parachute harness, a parachute suspension rigging comprising suspension straps extending from the parachute and passing in front of the aviator and beneath the aviator's seat in the form of a sling, a body harness consisting of a single continuous strap having its two ends connected to the lower portions of the upright portions of the said sling, and a single quick releasable fastening device to connect the parts of said body harness together in front of the aviator to retain him securely within the said body harness.

1,560,367. PRODUCTION OF RADIANT HEAT. BENJAMIN BARR, Isleworth, England. Filed Feb. 5, 1923. Serial No. 617,020. 2 Claims. (Cl. 158—62.)



1. An apparatus for heating heat-radiating tubes, comprising a vaporizing tube, an injector-nozzle communicating with said vaporizing tube, an adjustable rod bearing a valve for controlling the flow of fluid through said nozzle, a burner-body arranged substantially parallel to said vaporizing tube, a Bunsen tube connecting said vaporizing tube and said burner body, a tube mounted in said burner body and forming an extension of said Bunsen tube, said burner body having flame orifices directed towards said vaporizing tube, a baffle plate arranged on the outer side of said vaporizing tube, and perforated nozzles on said burner-body for directing flame against heat-radiating tubes.

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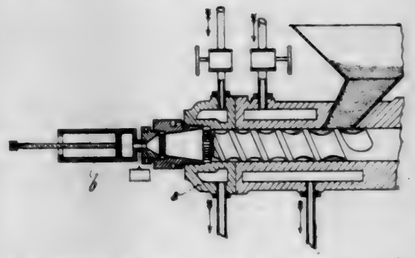
1,560,368. METHOD OF PRODUCING UNITARY FORM PIECES FROM CASEIN ARTIFICIAL HORN. AMANDUS BARTELS, Pferdeweg, and OTTO MIECH, Harburg-on-the-Elbe, Germany. Filed Jan. 12, 1925. Serial No. 2,012. 4 Claims. (Cl. 18—13.)



1. A process for the manufacture of unitary form-pieces from casein artificial horn, comprising extruding a prepared, comparatively firm casein mass and molding it under yielding pressure, hardening the form pieces thus obtained, and then drying them.

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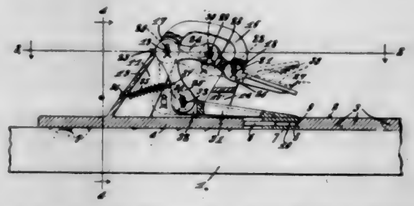
1,560,369. FLOOR CLAMP. CECIL W. BARTO, Port Angeles, Wash. Filed June 2, 1925. Serial No. 34,404. 4 Claims. (Cl. 254—16.)



1. A floor clamp comprising a base plate, an inverted yoke-shaped element carried thereby, a clamping member, a shifting bar therefor, and operating means for

said bar, said means including a bell crank pivotally connected to said element and a shifting lever for the bell crank pivotally connected to said element and to one of the arms of said lever.

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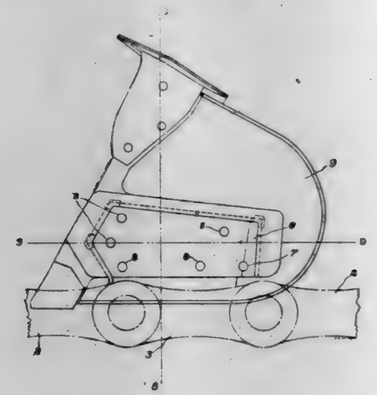
1,560,370. CHAIN BUCKET. HOWARD D. BENNETT, Baltimore, Md. Filed Feb. 2, 1925. Serial No. 6,352. 7 Claims. (Cl. 37—191.)



1. In combination, a chain, a bucket, and means for securing said chain to said bucket consisting of conjugate miter members attached respectively to said chain and said bucket.

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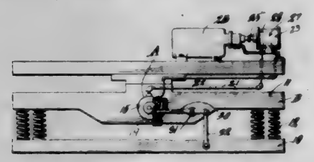
1,560,371. AUTOMATIC BRAKE CONTROL. JOHN R. Benton, Ajo, Ariz., assignor of one-third to Everett W. Marsh, Ajo, Ariz. Filed Jan. 12, 1925. Serial No. 2,014. 9 Claims. (Cl. 303—22.)



1. The combination with a railroad car embodying a sand bolster and a car bolster resiliently supported by the sand bolster, of a device for automatically governing the brake pressure in an air brake system according to the load including an operating lever rockably mounted at a point intermediate its ends upon the car bolster, a link operatively connecting one end of the lever to the sand bolster, a control valve carried by the car bolster embodying a stem, a crank carried by the stem, and means for operatively connecting the inner end of the lever to the crank.

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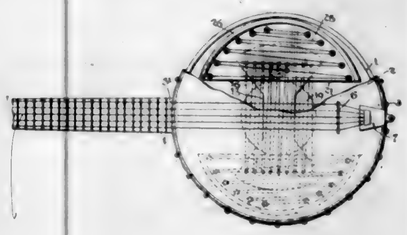
1,560,372. RESONATOR ATTACHMENT FOR BANJOS AND THE LIKE. FRANS R. L. BERGE, Seattle, Wash. Filed June 21, 1924. Serial No. 721,560. 1 Claim. (Cl. 84—270.)

A resonator attachment for the heads of banjos and the like comprising a pair of segmental, pressure exerting plates each having the marginal portion of its upper face provided throughout with an instrument head bearing rib of the same height throughout, a wire strung over and spaced throughout from said upper face of each plate between the rib thereof and further spaced from the head by said rib, a spanner formed with a pair of oppositely extending sector shaped heads each having a segmental outer portion of greater thickness than the inner portion of the head, thereby providing a shoulder intermediate of each head, a wire strung over and spaced throughout from the upper face of the



spanner between said shoulders, said outer portions seating against and spacing the wire on the spanner from the lower face of said plates, and means for varying the pressure between the spanner and said plates.

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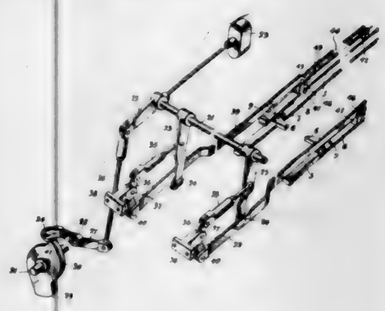
1,560,373. CRATE-ADVANCING MECHANISM. WILLIAM W. BIRNSTOCK, York, Pa., assignor to York Milk Machinery Company, York, Pa., a Corporation of Pennsylvania. Filed Jan. 2, 1923. Serial No. 610,358. 9 Claims. (Cl. 198—221.)



7. In crate-advancing means comprising a reciprocatory member carrying dogs movable relatively to it, and a dog setting element reciprocable with and movable relatively to said member, a pair of actuating elements connected to move in reverse directions relatively to each other to actuate the dog-setting element to respectively set the dogs in operative position when said member is substantially at the commencement of one of its strokes and to set the dogs in inoperative position when said member is substantially at the commencement of its other stroke.

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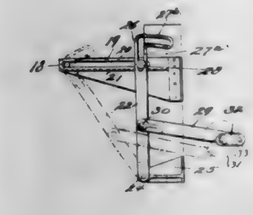
1,560,374. CRATE-FEEDING MECHANISM FOR BOTTLE-WASHING MACHINES. WILLIAM W. BIRNSTOCK, York, Pa., assignor to York Milk Machinery Company, York, Pa., a Corporation of Pennsylvania. Filed Nov. 10, 1923. Serial No. 674,025. 7 Claims. (Cl. 198—24.)

2. Crate-feeding mechanism for machines of the class described comprising a feed table for the crates, a cross-head guided to reciprocate longitudinally thereof, and a rocker mounted to swing to-and-fro and having an operative connection toward its free end with the cross-head whereby the to-and-fro swinging movement



of the rocker toward and from one end of its range of movement will cause advancing and return strokes of the cross-head and to-and-fro movements of the rocker



toward and from the opposite end of its range of movement will take place while the cross-head remains idle at the end of its retracting stroke.

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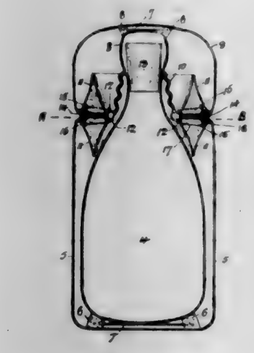
1,560,375. TEMPERATURE-MAINTAINING VESSEL. ARTHUR EDWARD BLACKMAN, Franklin, Australia. Filed Sept. 23, 1924. Serial No. 739,403. 3 Claims. (Cl. 220—9.)



1. In flasks of the kind indicated, an inwardly flanged vacuum container in which a rustless steel highly polished flask is placed, a turned over worm threaded neck to the flask, a flange thereon opposite its container flange, a cap to the flask having a worm and a flange on its lower edge, a vacuum container over the cap, an inwardly turned flange on the cap container opposite that on the cap, annular members of steel foil V-shaped in section in the container and cap container respectively secured to the flanges and filled with glass wool and ruberoid washers between the cap container and the container.

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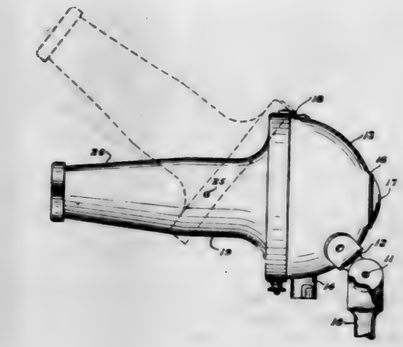
1,560,376. AUTOMOBILE HEADLIGHT. GEORGE BOEHMLER, Rockledge, Pa. Filed Oct. 7, 1922. Serial No. 593,061. 1 Claim. (Cl. 240—484.)

A vehicle headlight comprising a light carrying housing having an open side, a substantially tubular light guiding member having an outwardly flared end and an annular flange about the flared end encompassing the open side of the light carrying housing, said tubular light guiding member being of uniform diameter for a portion of its length outwardly from the flared portion and gradually decreasing in diameter from the outer end of the uniform portion to its outer end, a flat lens carried at the outer end of the tubular portion, a



lens carrying ring mounted in the portion of the tube of the uniform diameter, and a lens carried by said lens carrying ring.

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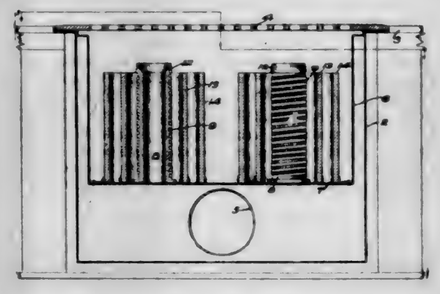
1,560,377. ELECTRIC AIR HEATER. HARRY H. DALEY, San Francisco, Calif. Filed May 5, 1924. Serial No. 711,122. 11 Claims. (Cl. 219—39.)



1. In an electric air heater, a shell opening into the room to be heated, an electric heating unit in said shell, a vertically disposed flue open at the top and bottom surrounding the heating unit and spaced from the unit and the walls of the shell whereby the heat of the unit will induce an upward current of air through the flue and a downward current of air through the space between the flue and the shell, an air supply conduit connecting the shell with the atmosphere external to the room and a damper for preventing the flow of air through said conduit.

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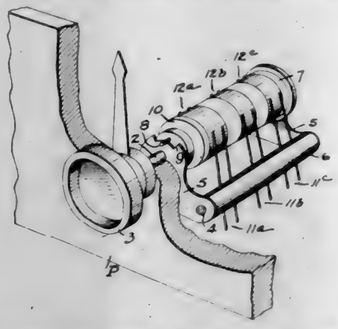
1,560,378. MULTIPLE-CIRCUIT DOUBLE-THROW SWITCH. ERNEST G. DANIELSON, San Francisco, Calif., assignor to E. T. Cunningham, San Francisco, Calif. Filed July 18, 1921. Serial No. 485,697. 1 Claim. (Cl. 200—8.)

In a switch, a rotatable eccentric contact member of cylindrical form, contact fingers arranged to cooperate with said contact member and positioned on opposite sides thereof, and means for holding said member and

fingers on a supporting wall, comprising a pair of bearing plates in which the contact member is rotatable, parallel spacing rods between the bearing plates, said



rods supporting the fingers, and fastening means for each rod adapted to pass through the wall, the plates and engage one end of its respective rod.

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1,560,379. PRIMARY BATTERY. LEOPOLD DARIMONT, Brussels, Belgium. Filed Aug. 23, 1920. Serial No. 405,323. 1 Claim. (Cl. 136—96.)

A primary battery having an exciter mass consisting of an exciter proper, an anti-acid substantially insoluble powder capable of decomposing ferric chloride, and an agglutinating substance for emulsioning the anti-acid powder, said primary battery also including a depolarizer composed of ferric chloride, a chromic compound for increasing the electrical capacity of the depolarizer, and a solution of sodium chloride for increasing the conductivity of the diluted solution of ferric chloride and for regulating the asmotic pressure.

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1,560,380. MANUFACTURE OF CRYSTALLIZED ZINC SULPHIDE. GEORGES DE HÉDOUVILLE, Longwy, and PIERRE PIPEREAUT, Paris, France. Filed Jan. 2, 1924. Serial No. 684,058. 4 Claims. (Cl. 23—135.)

1. A dry process of manufacturing crystallized zinc sulphide, which consists in causing hydrogen sulphide gas to act on solid oxygenated zinc compounds at a temperature from 250° C. to red heat, substantially as set forth.

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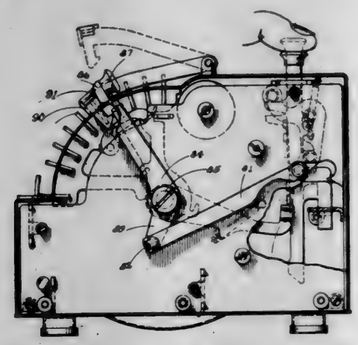
1,560,381. CALCULATING MACHINE. ALTON L. GRAY, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Nov. 12, 1923. Serial No. 674,241. 8 Claims. (Cl. 235—27.)



1. The combination with a calculating machine comprising a plurality of actuators for the different numerical orders and a plurality of clearing means for said machine corresponding individually to said orders, of a device movable to position for securing all of said actuators against unauthorized operation, a lock for retaining said device in securing position and a connection between one of said clearing means and said lock for releasing the latter upon operation of said clearing means.

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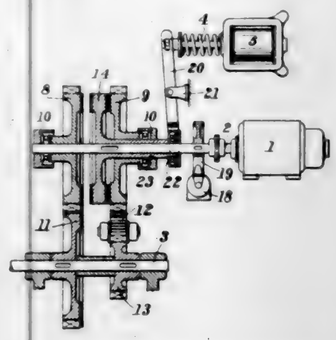
1,560,382. ELECTRIC-MOTOR-CONTROL SYSTEM. ALBERT HENRY JACKSON, Muswell Hill, England. Filed May 8, 1925. Serial No. 28,906. 7 Claims. (Cl. 172—179.)



1. In an apparatus for electric motor control the combination with a master controller of an electromagnetically operated contactor or line switch for the main motor circuit, an auxiliary electric motor adapted to run always in one direction, and operatively connected to switch mechanism for progressively changing the conditions in the main motor circuit and means operatively connected with a member moving simultaneously with the contactor for causing the uni-directional auxiliary motor to drive through friction members which normally stand in reverse, the switch mechanism in either direction according to whether the contactor is open or closed.

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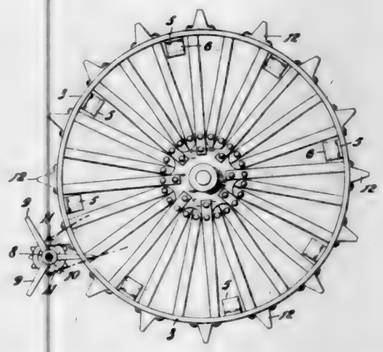
1,560,383. WHEEL FOR TRACTORS AND CERTAIN FARMING IMPLEMENTS. DANIEL JAMES, Essendon, and WILLIAM HENRY KENDELL, Lubeck, Victoria, Australia. Original application filed Oct. 8, 1923, Serial No. 667,105. Divided and this application filed Jan. 3, 1925. Serial No. 318. 2 Claims. (Cl. 280—158.)



1. A tractor wheel having a plurality of annular rim elements arranged in parallel spaced relationship, transverse bars rigidly connecting said rim elements, a shaft mounted in bearings carried by the tractor chassis rearwardly of the wheel, wheels fitted on said shaft, radial arms on each of said wheels operating within the clearance spaces between adjacent rim elements, and means for rotating said shaft.

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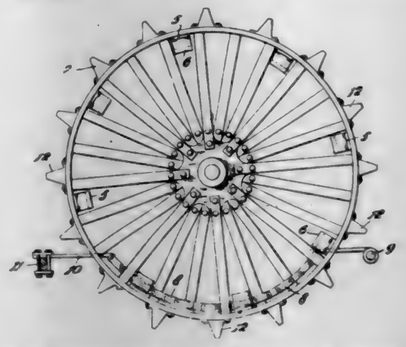
1,560,384. WHEEL FOR TRACTORS AND CERTAIN FARMING IMPLEMENTS. DANIEL JAMES, Essendon, and WILLIAM HENRY KENDELL, Lubeck, Victoria, Australia. Original application filed Oct. 8, 1923, Serial No. 667,105. Divided and this application filed Jan. 3, 1925. Serial No. 319. 2 Claims. (Cl. 280—158.)



1. A tractor wheel having a plurality of annular rim elements arranged in parallel spaced relationship, transverse bars rigidly connecting said rim elements, transverse rods anchored one in advance of and the other rearwardly of the wheel, and cleaning chains secured to said rods and operating interiorly of the wheel perimeter within the clearance spaces between adjacent rim elements.

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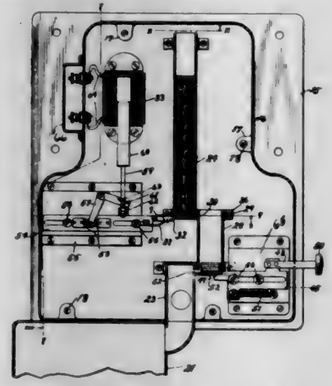
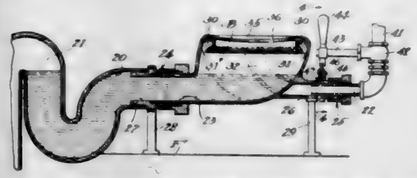
1,560,385. COIN OR SLUG ACTUATED SIGNALING DEVICE. JOHN LANG, Chicago, and FRANK S. PILARSKI, Cicero, Ill. Filed June 30, 1924. Serial No. 723,288. 4 Claims. (Cl. 133—5.)



2. In a device of the class described, the combination of a closed receptacle having two compartments for coins, means for retaining a supply of coins in one compartment, a plunger operable for delivering one of said coins into the other compartment, manually operated means for ejecting said coin from the last mentioned compartment into the signaling apparatus of a telephone, and means for actuating said plunger which is positioned so as to be inaccessible to a person actuating said manually operated means.



1,560,386. CABINET PLUMBING. JAMES F. LANGSTON, Lancaster, Calif., assignor of one-third to Albert Bullock, Los Angeles, Calif. Filed Aug. 3, 1922. Serial No. 579,371. 3 Claims. (Cl. 4—12.)



1. In combination, a tiltable bowl, inlet and outlet pipes therefor located on a common horizontal axis, swivel joints between the bowl and pipes so that the bowl may tilt on the pipe axis between a substantially horizontal and a substantially vertical position; a trap in the outlet pipe, and the rear end of the bowl having a wall that forms with the bottom and back wall, when the bowl is tilted up, a water container that holds water at a level as high as the trap level.

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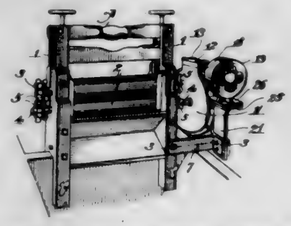
1,560,387. MOTOR DRIVE FOR WRINGERS. HARRY C. LAW, Hastings-on-the-Hudson, N. Y. Filed Nov. 19, 1924. Serial No. 750,858. 1 Claim. (Cl. 74—7.)



An attachment of the character described comprising a bracket adapted at one end to be secured to a wringer, a gear rotatably mounted upon said bracket and arranged to be fixed to the drive shaft of said wringer, a bifurcated extension projecting laterally from said bracket, a vertical post partially received within said bifurcated extension, means associated with said extension and with said post for vertical adjustment of said post, a worm meshing with the gear, a shaft fixed to the worm, and an electric motor motor supported upon said post at the upper end thereof and detachably coupled with said worm shaft.

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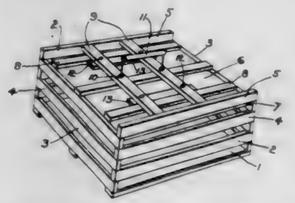
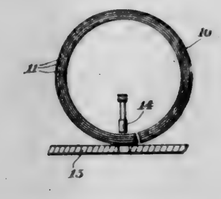
1,560,388. COVER FOR EGG CRATES. OSCAR WILLIAM LEIST, Atchelitz, British Columbia, Canada. Filed Nov. 6, 1924. Serial No. 748,160. 4 Claims. (Cl. 217—60.)



1. The combination with a crate having side walls, a cover for the crate and battens upon said side walls adapted to overlie opposing edges of the cover, of pivotally mounted means upon the cover adapted to bear against the battens when in locked position and to be swung out of engagement with the battens to permit the removal of the cover from the crate.

1,560,389. METHOD OF MAKING WOODEN SPOONS. JOHN LEWIS, Brownville, Me. Filed Dec. 24, 1924. Serial No. 757,905. 5 Claims. (Cl. 144—309.)



1. The within described method of cutting from the inside a single unwound roll of veneer comprising a plurality of plies forming a product with unsplintered edges.

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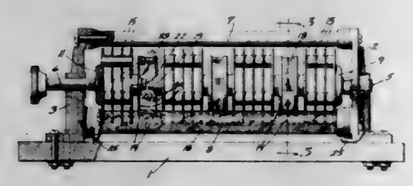
1,560,390. SPARK GAP. JOHN G. H. LIEBEL and EDWIN S. FLARSHEIM, Cincinnati, Ohio. Filed Sept. 24, 1923. Serial No. 664,639. 3 Claims. (Cl. 250—38.)



1. A spark gap comprising a support having opposing centers one thereof axially adjustable, electrode carriers disposed between said centers each carrier having an electrode fixed thereto and opposing an electrode of a second carrier, a yielding disk respectively engaged upon each electrode, and an insulator annulus engaged between and separating the disks of opposing electrodes adapting the opposing electrodes to be compressively adjusted toward each other for regulating the gap therebetween.

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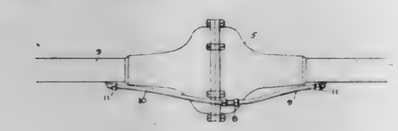
1,560,391. OIL SAVER. JESSE W. LONDELL, Los Gatos, Calif. Filed Aug. 28, 1922. Serial No. 584,680. 1 Claim. (Cl. 184—7.)



A means for causing oil having flowed out of an automobile differential housing into the axle housing to be delivered back to the differential housing, which means includes a pipe located exteriorly of and connected with said housings and inclined from the point of its connection with the axle housing downwardly to the point of its connection with the differential housing.

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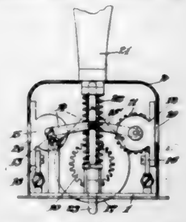
1,560,392. MEASURING APPARATUS FOR BOARDS. HERBERT MAGER, Vienna, Austria. Filed July 22, 1925. Serial No. 45,376. 3 Claims. (Cl. 33—140.)

1. An apparatus for measuring boards, comprising in combination a casing, a measuring device, movable pins arranged in the said casing, one end of the said pins projecting out of the base-plate of the casing, a spring for resiliently maintaining the pins in this position, an oscillating measurement registering mechanism, pivoted rods connecting the latter with the said pins, and a piece-counting mechanism adapted to cooperate with the said pins.



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1,560,393. CHARGING APPARATUS FOR USE WITH ANNEALING OVENS. PAUL ALPHONSE HUBERT MOSSAY, Ipswich, England. Filed Nov. 13, 1924. Serial No. 749,756. 10 Claims. (Cl. 214—26.)

1. A railless apparatus for charging annealing ovens and for like purposes, comprising a carriage provided with ground wheels, a charging arm supported by said carriage and adapted to reciprocate relatively thereto, a charge carrier connected to one end of said loading arm, said charge carrier being adapted to rest on the ground, and means for automatically maintaining the ground wheels of said carriage with their axes radial to the centre of oscillation of said charge carrier when the charging arm is extended relatively to said carriage, substantially as and for the purpose hereinbefore set forth.

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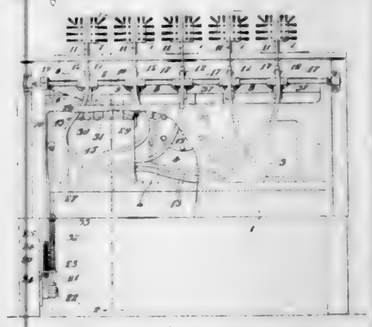
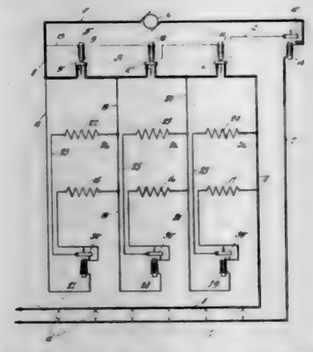
1,560,394. PAN-GREASING MACHINE. WILHELM MOLLER, Philadelphia, Pa., assignor, by mesne assignments, to Easy-Pan Greasing Machine Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 5, 1924. Serial No. 754,073. 11 Claims. (Cl. 91—39.)



1. In a pan greasing machine having a grease pump and greasing brushes; grease conduits connected with the pump and movably mounted on the machine, and means for moving the conduits adjacent the brushes and for operating the pump to feed grease through the conduits onto the brushes.



1,560,395. CONTROLLING MEANS FOR FARM-LIGHTING PLANTS. TRAVIS MONK, Crete, Ill. Filed Apr. 11, 1922. Serial No. 551,742. 5 Claims. (Cl. 171—229.)



1. In an electrical system, the combination with a supply circuit, resistance elements connected in circuit with said supply circuit for controlling the current passing therethrough, relays energized in accordance with a characteristic of the current in said supply circuit for controlling the respective resistance elements, resistors arranged to be connected in shunt, respectively, to the resistance elements, and relays energized in accordance with the current flowing through said resistance elements for controlling said resistors, substantially as described.

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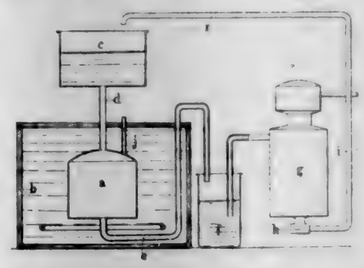
1,560,396. METHOD FOR AUTOMATIC AND RAPID PRODUCTION OF CRYSTALLIZED OR PRESERVED FRUITS. PLACIDE NAVARRE, Paris, France, assignor to Société Fraisse Freres, Cavaillon, Vaucluse, France, and Société P. Navarre & Fils, Paris, France. Filed Oct. 19, 1922. Serial No. 595,598. 3 Claims. (Cl. 99—11.)



3. A process for the rapid manufacture of conserved fruit which comprises bleaching the fruits in a strong solution of sulphur dioxide and which is maintained at the boiling point, then subjecting the bleached fruits to the action of a sugar syrup at a constant temperature and at a constant pressure all the duration of the process and causing the syrup to circulate in a continuous manner on the fruits, the pressure of the syrup being above atmospheric pressure, and then reconcentrating the syrup continuously at a point during the travel of the syrup.

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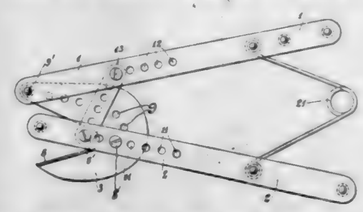
1,560,397. HAND-OPERATED CUTTING AND/OR GRIPPING DEVICE. ALBERT HENRY FRANKS PERL and RICHARD HEMMINGS CARTER, Ladbroke Grove, England. Filed May 29, 1922. Serial No. 564,587. 16 Claims. (Cl. 30—3.)

1. A hand operated device, comprising two operating levers, a link pivotally connecting said levers to cause their operative ends to move apart, and an angle formed link pivotally connected to the operative end of one of the levers and pivotally connected to the other lever remote from the operative end, said angle link having a part to cooperate with the forward portion of one of the levers.



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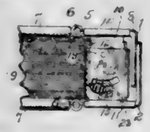
1,560,398. TEMPORARY BINDER. WILLIAM P. PITT, Kansas City, Mo., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Mar. 28, 1921. Serial No. 456,175. 17 Claims. (Cl. 129—13.)



1. In a binder of the kind described, two leaf-embracing members, and an extensible lock connecting said members comprising two members slidable one on the other and respectively attached to said leaf-embracing members, a locking member carried by one of the slidable members and movable to and from a position in which it will lockingly engage the other slidable member, and means cooperating with said locking member to hold the leaf-embracing members from moving outwardly from any point while permitting them to move inwardly, substantially as set forth.

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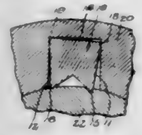
1,560,399. KEY. CHARLES F. PRESTON, Sr., Mamaroneck, N. Y. Filed Jan. 11, 1924. Serial No. 685,646. 1 Claim. (Cl. 287—52.)



The combination with a hub for pulleys and the like, having a longitudinal rectangular groove in its inner face, a shaft engaging key in said groove, said key the widest at its outer edge and tapering toward its inner edge whereby the key may fulcrum on either of its outer corners in accordance with the direction of the pulley relative to the shaft, and said key having a plurality of relatively sharp inner edges to engage the shaft, said sharp edges sub-divided by a plurality of notches into a series of shaft engaging sections.

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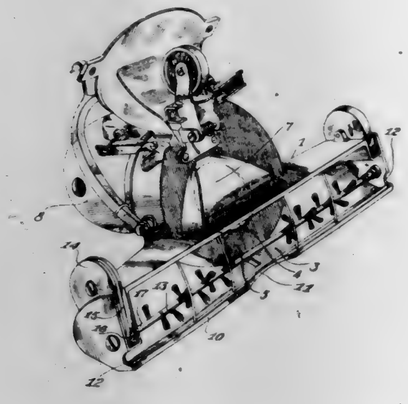
1,560,400. SUCTION CLEANER. JOHN R. VANDER PUTTEN, Akron, Ohio, assignor, by mesne assignments, to Wise-McClung Company, Limited, New Philadelphia, Ohio, a Partnership Association of Ohio. Filed Feb. 24, 1921. Serial No. 447,510. 1 Claim. (Cl. 15—8.)

A suction cleaner casing forming a vacuum chamber having an elongated mouth with a narrow lip surrounding the same for contacting with carpets and the like

and means for drawing cleaning currents from under and through the same; there being a central exhaust orifice leading from the chamber and transverse notches in the lip at the ends and adjacent the front wall of the mouth causing locally intensified air currents to enter



through the notches and to pass over and along the surface of the carpet from the ends toward the middle of the chamber for drawing refuse into the ends of the mouth and sweeping the surface of the carpet within the same.

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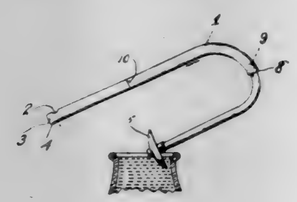
1,560,401. SIPHON CREAM SKIMMER. BRAXTON D. AVIS, Clarksburg, W. Va. Filed Jan. 4, 1924. Serial No. 684,410. 3 Claims. (Cl. 137—20.)



1. A skimmer of the character described comprising a U-shaped tubular member, a ball freely movable by gravity in one portion of said U-shaped member to start siphonic action therein, and the other portion of said U-shaped member being adapted to be inserted in liquid.

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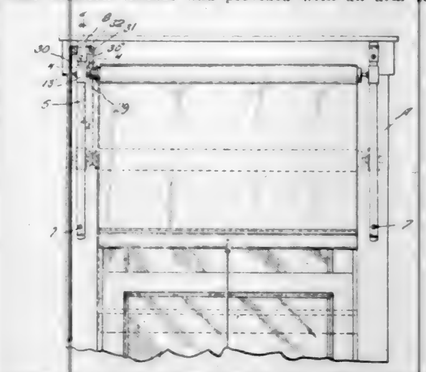
1,560,402. AUTOMATICALLY-ADJUSTABLE SLIDE-ROLLER WINDOW SHADE. BONNIE T. BRITT, Zebulon, N. C. Filed Dec. 29, 1924. Serial No. 758,668. 2 Claims. (Cl. 156—27.)

2. In a structure of the class described, a pair of rack bars adapted to be supported in parallel spaced relation on a frame, journal casings slidable on the bars, gears in the casings for engaging the rack bars, a rod fixed to the gears, a shade roller rotatable on the rod, a drum on the shade roller, a cable adapted to be wound partially about the drum, a friction means between the roller and the rod, whereby the roller may be rotated independently of the rod or therewith, when the cable is pulled to unwind on the drum and rotate the roller, a crank shaft journalled in one of the casings so that its crank normally engages the gear wheel therein to prevent rotation thereof and provided with an arm terminating in an eye through which the cable extends, so that when the cable is pulled, the arm is actuated to release the crank from the gear wheel.



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1,560,403. TRACK-SANDING DEVICE. WALTER C. BROWN, Salt Lake City, Utah. Filed June 24, 1925. Serial No. 39,293. 2 Claims. (Cl. 291—19.)

2. In a track sanding device, the combination with a steam locomotive, including a smoke box and sand dome, of a sand discharge nozzle, means for conveying sand from said dome to said nozzle, a heating coil in said smoke box, means for delivering compressed air to said coil to be heated therein, and means for conveying the said air from said coil to and delivering the same into said nozzle to dry the sand therein and cause the same to be discharged therefrom.

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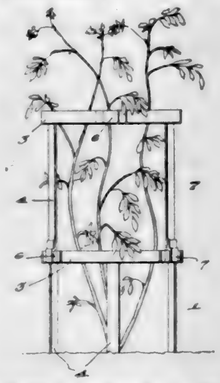
1,560,404. PLANT SUPPORT. JOHN HARRY BROWN, Newport, R. I. Filed Oct. 5, 1923. Serial No. 666,770. 1 Claim. (Cl. 47—47.)



A plant support comprising a lower section formed with a ring member and depending legs, the lower ends of the legs being pointed, sockets formed on the ring member and an upper section formed of a ring member and depending legs, the lower ends of said legs being forked to engage the sockets of the first section.

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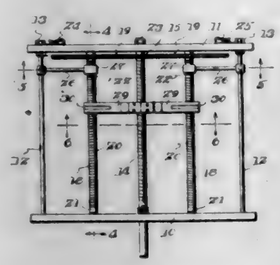
1,560,405. RHEOSTAT. FREDERICK A. CALKINS, McKenzie, N. Dak. Filed Jan. 28, 1924. Serial No. 689,167. 1 Claim. Cl. 201—55.)



A device of the character described comprising front and rear members arranged in space relation, spaced parallel resistance coils journally mounted between said front and rear members, a screw journaled centrally through said front and rear members and located between said resistance coils, intermeshing gears on said coils and screw for effecting simultaneous rotation of all, a slider threaded onto the screw and having its end portions bearing against said coils, rods secured to said front and rear members and located in spaced relation to and outwardly of said coils, and contacts carried by said rods and bearing against the coils.

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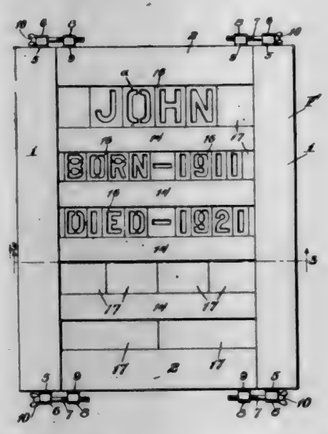
1,560,406. SAND-DUSTING SCREEN. LOUIS H. CARUFEL, Minneapolis, Minn. Filed Mar. 25, 1924. Serial. No. 701,782. 5 Claims. (Cl. 101—128.)




1. A sand blasting screen comprising a frame, said frame consisting of separable side and end members, means carried by the adjacent extremities of the side and end members for connecting said members and to move the same one with respect to the other, bars interposed between and held by opposed members of the frame, stencils arranged between adjacent bars, said bars and the associated members of the frame interfitting when in assembled relation.

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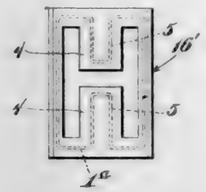
1,560,407. STENCIL. LOUIS H. CARUFEL, Bismarck, N. Dak. Filed Mar. 21, 1925. Serial No. 17,286. 6 Claims. (Cl. 101—127.)



4. In combination with a rubber stencil for a sand blasting screen, a reinforcement embedded within the stencil and extending along the sides thereof.

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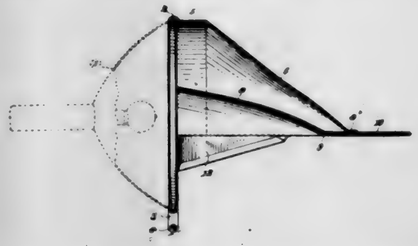
1,560,408. GLARESHIELD. PETER L. CHARLEBOIS, Portland, Oreg. Filed Nov. 6, 1924. Serial No. 748,183. 7 Claims. (Cl. 240—48.4.)



1. In a glare shield of the type described, a clamping ring, a declined transversely curved hood section having its inner edge held in spaced relation to the ring by a trasnversely flat wall and projecting forwardly of said ring with the opposite side edges thereof terminating adjacent the horizontal axis of the ring and a transversely curved forwardly arched declined reflecting wall inclosed in the hood section.

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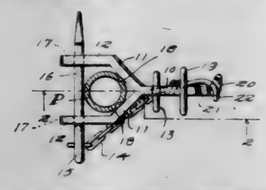
1,560,409. FACE LIFTER. SUSANNA COCROFT, New York, N. Y. Filed Sept. 2, 1924. Serial No. 735,474. 2 Claims. (Cl. 128—76.)

1. A device for the purpose set forth comprising a face muscle lifting and holding element consisting of a flat rectangular coupling strip having its forward portion of greater flexibility than its rear portion, a face adhering member extending lengthwise of, positioned against and projecting from said forward portion, spaced clamping members carried by said forward portion and engaging said adhering member for detachably connecting it lengthwise thereof to said strip, rearwardly extending pulling tapes having their forward ends secured to said rear portion, and a securing strap connected to the rear ends of said pulling tapes.

1,560,410. REFLECTOR SIGNAL. HARRY WARD CONDE and DANA M. PALMER, Ottawa, Ill. Filed Dec. 18, 1924. Serial No. 756,786. 8 Claims. (Cl. 88—1.)

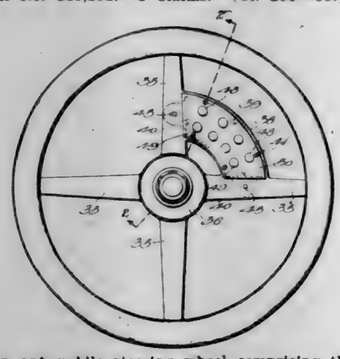
1. A signal comprising a frame having an open side, a reflecting plate supported within the frame, a protecting face plate in direct contact with the reflection plate, and means disposed at said open side to engage and retain both plates in position.

1,560,411. PIPE CLEVIS. WILLIAM H. CONKLIN, Wellfleet, Nebr., assignor of one-half to James Ovens, Wellfleet, Nebr. Filed June 6, 1925. Serial No. 35,423. 2 Claims. (Cl. 294—92.)



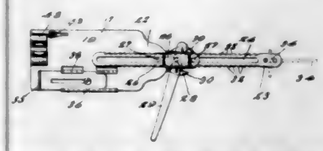
1. A pipe clevis comprising a shank having at one end thereof diverging arms terminating in parallel portions adapted to straddle the pipe, removable means engaging the ends of the parallel portions for preventing escape of the pipe arranged therebetween, means for engaging a hoisting element with the shank intermediate the ends thereof a flexible element engaged with the shank inwardly of the point of engagement with the hoisting element and means for engaging the flexible element with the shank at the outer end thereof comprising a hook at the outer end of the shank for the reception of said flexible element.

1,560,412. AUTOMOBILE SWITCH MOUNTING. JOHN A. CUNNINGHAM, Bethlehem, Pa. Filed May 24, 1923. Serial No. 641,192. 4 Claims. (Cl. 200—59.)



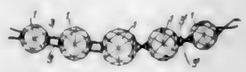
1. An automobile steering wheel comprising the usual hub and spokes and having an integral web connecting two of said spokes, said web having an opening, a switch carrying member having a portion snugly seated in said opening, and means securing said carrying member in said opening for movement bodily with the wheel.

1,560,413. SHADE-ROLLER AND CURTAIN-POLE SUPPORT. BURWELL M. DAVIS, Mount Ulla, N. C. Filed Mar. 1, 1924. Serial No. 696,365. 1 Claim. (Cl. 156—23.)



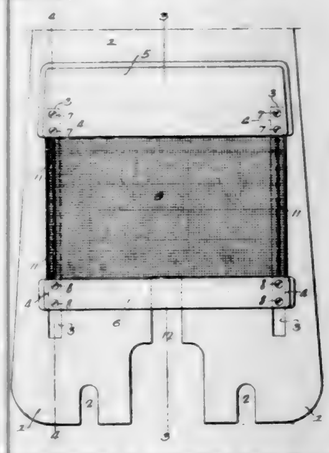
A combined shade roller and curtain pole support comprising frame engaging plates, a longitudinally slotted toothed slide adjustable upon one of said plates, a combined guide and lever support secured to the last mentioned plate and extending through the slot of the slide, a central offset plate having its ends secured to the support and overlapping the slide to hold the latter in position, a lever pivotally mounted between the guide and plate, dogs carried by the lever and engaging the toothed slide to adjust the latter and means connecting the slide and the other plate.

1,560,414. METHOD OF PIERCING, THREADING, AND ENAMELING TRANSPARENT PRECIOUS STONES. EMMANUEL DE HAAN, Paris, France, assignor to Société Boucheron & Radius, Paris, France, a French Corporation. Filed Sept. 11, 1924. Serial No. 737,221. 3 Claims. (Cl. 63—32.)



1. An article of jewelry including a plurality of smoothly cut stones, the bodies of each of which are provided with substantially opposite passageways arranged adjacent the outer edge of the body and parallel to each other and perpendicular of the diameter at which they are provided, and a plurality of links engaged with the adjacent passageways of the adjacent stones for connecting all of the stones together.

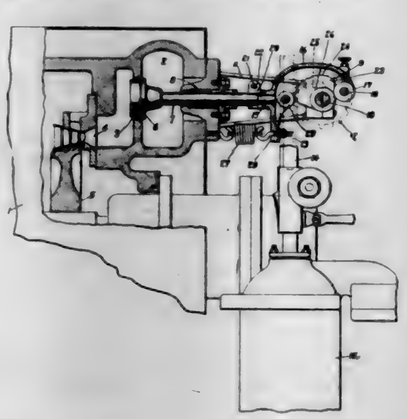
1,560,415. STOCKING FORM. CHARLES E. DENNISON, Philadelphia, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 6, 1923. Serial No. 630,293. 4 Claims. (Cl. 223—17.)



1. The combination in a stocking form of a body portion having longitudinal slots therein; and a sliding frame extending through the slots of the body portion and on each side of said body portion, said frame having a board friction surface on each side, arranged to engage a stocking at its open end.

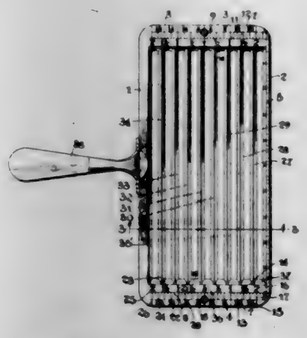


1,560,416. VALVE MECHANISM. EDGAR D. DICKINSON, Beverly, and REGINALD G. STANDERWICK, Marblehead, Mass., assignors to General Electric Company, a Corporation of New York. Filed Feb. 13, 1924. Serial No. 692,601. 4 Claims. (Cl. 137—139.)



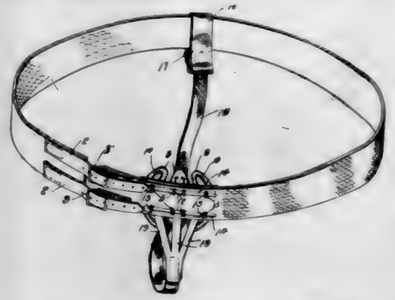
1. In a valve mechanism, the combination of a valve, a stem for the valve, a cam, and a roller carried directly by the stem which roller the cam engages to move the valve, the center of the roller being located to one side of the center of the cam and the point of contact between the cam and the roller being between said centers.

1,560,417. MEASURING DEVICE FOR CUFFS OF TROUSERS. LOUIS DRESCHLER, St. Louis, Mo. Filed Sept. 10, 1923. Serial No. 661,983. 6 Claims. (Cl. 33—174.)



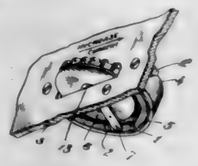
1. A device for the purpose set forth comprising a frame including a pair of side bars and a pair of end bars, each of said end bars being provided with a pair of scales extending oppositely from a medial reference line, and a plurality of combined guide and measuring bars extending from one of the end bars to the other and having the edges thereof alining with certain of the graduation marks of the scales to provide for the measuring of trousers cuffs of various widths.

1,560,418. TRUSS. HOWARD GRAHAM, New Braunfels, Tex. Filed Nov. 17, 1923. Serial No. 675,346. 1 Claim. (Cl. 128—100.)



In a device of the class described, a supporting band, a plurality of relatively narrow closely arranged pads carried by said band, said pads being adapted to simulate the action of the fingers of the human hand, each pad having a resilient wire fastened thereto, said wire having portions arranged at a right angle to its general plane and formed into an upper and a lower eyelet, said supporting band having slots through which said eyelets are passed in an outward direction, and strips removably extending through the eyelets outwardly of the band.

1,560,419. VARIABLE RESISTANCE. ALFRED H. GREBE, Richmond Hill, N. Y., assignor to A. H. Grebe & Co., Inc., Richmond Hill, N. Y., a Corporation of New York. Filed May 25, 1922. Serial No. 563,723. 4 Claims. (Cl. 201—55.)



1. A rheostat comprising a mounting, an adjustment control partially projecting through a slot in said mounting and a resistance element attached to said mounting so as to partially encircle said control.

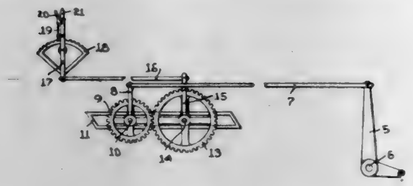
1,560,420. PRODUCTION OF RESIN. FRANK E. GREENWOOD, New Rochelle, N. Y., assignor to Pine Waste Products, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 25, 1920. Serial No. 405,921. 13 Claims. (Cl. 203—6.)

1. The herein disclosed process of extracting rosin from pulp mill black liquor which comprises treating resinous components of the black liquor with a solvent, adding an acid which will liberate resinous elements and enable combination of the same with the solvent, and then separating out the rosin content obtained by said solvent by means of a second solvent immiscible with the first and enabling selective separation of the rosin therefrom.

1,560,421. VALVE-GEAR-OPERATING MECHANISM. RANSOM L. GRIFFIN, Sanford, Fla. Filed Dec. 28, 1923. Serial No. 683,224. 3 Claims. (Cl. 74—39.)

1. In a shift for valve gear, a shaft arm adapted to communicate motion to the valve gear of a locomotive, a rigid member pivotally connected to the arm, a rotatably mounted gear wheel, means for connecting the gear wheel

to the member for reciprocating the said member as the gear wheel partially rotates in different directions, a gear wheel rotatably mounted and meshing with the first mentioned gear wheel, a reciprocating member con-



nected to the second mentioned gear wheel and adapted to partially rotate the same in opposite directions, and means for imparting motion to the last mentioned reciprocating member.

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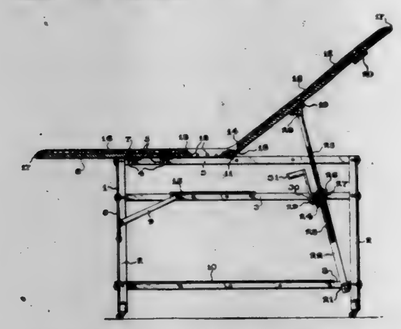
1,560,422. COMMODE. JOHN MORGAN HENDRIX, Statesboro, Ga. Filed Jan. 19, 1925. Serial No. 3,515. 1 Claim. (Cl. 155—31.)



A commode comprising a frame provided with transverse supports connecting the upper part of said frame and longitudinal supports connecting the lower part of said frame, a seat secured to the transverse supports and resting on the frame, a back hinged to the seat, the adjacent hingedly connected parts of the seat and back having an opening conforming to the body of the user, a shelf on the frame immediately below the opening for the support of a pan, a padded covering of a continuous piece engaged over and secured at its margin to the seat and back, means consisting of a forked member pivotally supported on the said longitudinal supports at the lower part of the frame and having a head portion, a jack screw operatively pivoted to the back and passing through the head portion, and a device including intermeshing gears for rendering the jack screw extensible with regard to the forked member.

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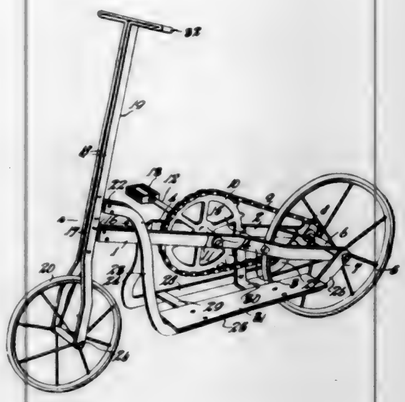
1,560,423. CHILD'S VEHICLE. BEN E. HERVEY, Wilmington, Calif., assignor, by mesne assignments, to Datus M. Hervey, Vallejo, Calif. Filed Mar. 19, 1924. Serial No. 700,359. Renewed Sept. 25, 1925. 2 Claims. (Cl. 208—113.)

1. In a vehicle of the class described, a main frame composed of two bars, the front ends of which are in juxtaposition and the rear ends of which are offset to receive a wheel, a wheel and axle journalled in the rear ends of said bars, a crank shaft journalled in bearing apertures in said bars intermediate the ends of the same, a sprocket wheel on said crank shaft, a sprocket wheel connected to the rear axle, a chain drive between said sprockets, a sub-frame consisting of bars secured to the first mentioned bars and extending below the same, hinge elements carried by said main and sub-frame bars, a steering post with fork, hinge elements carried by said steering post cooperating with the hinge elements of the



frame bars, a wheel mounted in said fork, the crank of said crank shaft lying to one side of the main frame, and a platform support for said supplemental frame in the side opposite the crank.

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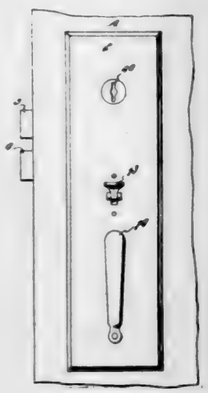
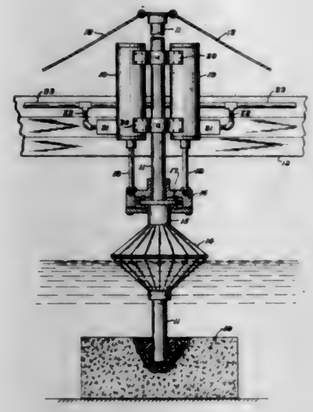
1,560,424. LOCK. ANDREW G. HJERT, Seattle, Wash. Filed May 21, 1923. Serial No. 640,582. 2 Claims. (Cl. 70—91.)



1. A lock of the class described comprising a casing, a spring actuated bolt and a dead bolt therein, projections on the bolts, the projection on the spring bolt lying in front of the projection on the dead bolt, a lever pivoted in the casing and engaging the projection on the spring bolt, an arm on the upper end of the lever, a T-shaped barrel, projections thereon for engaging parts on the dead bolt and one of said projections engaging the arm on the lever to cause the lever to retract the spring bolt, a knob operated member for retracting the spring bolt, a latch operated member for retracting the spring bolt and means for preventing movement of the spring bolt by the latch operated member when desired.



1,560,425. WAVE AND TIDE MOTOR. GEORGE S. HUFF, Cape May Court House, N. J., assignor of one-half to Gottlieb O. Lange, Cape May, N. J. Filed Oct. 7, 1922. Serial No. 593,051. 1 Claim. (Cl. 230—32.)



In a wave motor, the combination of a vertical shaft, having its lower end anchored, a float slidably and rotatably mounted upon said shaft, a flanged head carried by the upper end of said float, a block having operative connection with said flanged head, a pair of cylinders supported from said shaft, pistons movable within said cylinders supported from said shaft, pistons movable within said cylinders and connected to said block for movement upon the rise and fall of said float, and compression chests connected to said cylinders and to an outlet pipe.

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1,560,426. EXPLOSIVE COMPOUND AND PROCESS OF PRODUCING SAME. HAROLD A. LEWIS, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 26, 1925. Serial No. 4,961. 12 Claims. (Cl. 260—142.)

1. A process of producing an explosive compound which comprises condensing a polyhydric alcohol, having not more than 3 hydroxyl groups, with a nitro-chlor aromatic compound and nitrating the product of condensation.

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1,560,427. EXPLOSIVE AND PROCESS OF MAKING SAME. ROBERT C. MORAN, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 26, 1925. Serial No. 4,960. 15 Claims. (Cl. 260—142.)

1. A process of producing an explosive compound which comprises condensing an amino aliphatic alcohol with a nitrochlor aromatic compound and nitrating the resulting product of condensation.

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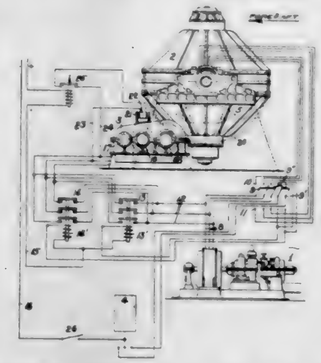
1,560,428. DRIVING MEANS FOR SHIPS' GYROSCOPES. SHIERFIELD G. MYERS, Freeport, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Sept. 11, 1922. Serial No. 587,351. 14 Claims. (Cl. 74—78.)

1. In a gyroscopic stabilizer for ships, the combination with the rotor of the gyroscope, of a multiple speed alternating current induction motor for spinning said rotor at multiple speeds and means whereby the rotor



may be driven continuously at one speed for rolling the ship and at a different speed for stabilizing the ship.

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1,560,429. SASH FASTENER. ROBERT STUART REID, Prince Albert, Saskatchewan, Canada. Filed Sept. 29, 1913. Serial No. 792,476. 3 Claims. (Cl. 292—198.)

3. The combination with a window frame, of a fastener pivotally mounted in the side of the frame and substantially midway of the height thereof and presenting a comparatively long dog extending into the sash channel of the inner frame and a relatively shorter dog extending into the sash channel of the outer frame.

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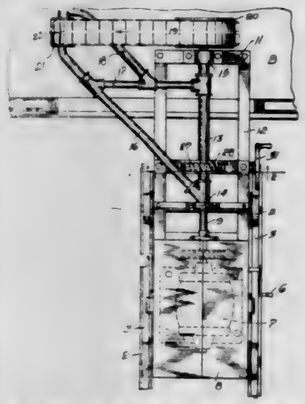
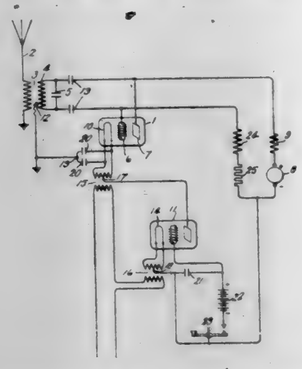
1,560,430. CONVEYER. ROBERT B. ROGERS, Chewelah, Wash. Filed July 21, 1924. Serial No. 727,252. 6 Claims. (Cl. 198—2.)



5. In a loader as described the combination with a conveyer frame including a casing, and a power shaft therein, of bearings for the casing, and means for oscillating said casing to either side of the shaft to reverse the position of the loader.

1,560,431. SIGNALING SYSTEM. AUGUST SCHMIDT, Jr., Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 3, 1923. Serial No. 649,371. 5 Claims. (Cl. 250—17.)



1. The combination in a high frequency signaling system of an electron discharge device, circuit connections for said device whereby it is adapted to produce high frequency oscillations, a second electron discharge device connected in circuit with said first device in such a way that current is supplied to the first device through the second device, and means for varying the resistance of the second device substantially instantaneously from a low value to a much greater value, and simultaneously producing a large increase in the resistance of the first device.

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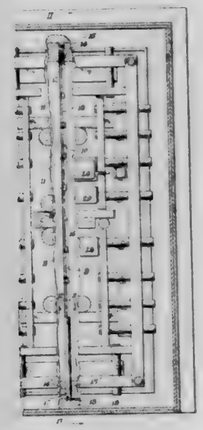
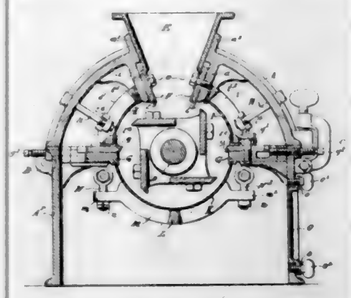
1,560,432. AUXILIARY LOCK. ALEXANDER N. SCOTT, Canton, Ohio, assignor to The Diebold Safe & Lock Company, Canton, Ohio, a Corporation of Ohio. Filed Jan. 31, 1922. Serial No. 532,938. 2 Claims. (Cl. 109—3.)



1. An auxiliary lock for safe doors or the like including a vertical guide-way therein, a bolt-weight in the guide-way, and a chain connected above to the door and extending downward along the body thereof to be directly heated thereby and having a plurality of fusible links therein normally suspending the bolt in retracted position.

1,560,433. GRAIN-CRACKING MACHINE. SIMON SNYDER, Muncy, Pa., assignor to Sprout, Waldron & Co., Muncy, Pa., a Corporation of Pennsylvania. Filed Dec. 31, 1924. Serial No. 759,077. 16 Claims. (Cl. 83—6.)



1. A grain cracking or reducing machine comprising a casing composed of upper and lower members and having a rotary cutter therein and knives or cutters projecting inwardly from opposite sides thereof in cooperative relation to said rotary cutter; the lower casing member having a curved perforated plate therein arranged below the rotary cutter, and the upper casing member having a feed hopper and receiving chambers on opposite sides thereof into which granulated material is thrown by said rotary cutter and caused to pass by gravity into the lower casing member; said receiving chambers having curved perforated plates spaced from the inner walls of the upper casing member and having openings in the bottoms thereof for the passage of granulated material therethrough.

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1,560,434. WATER HEATER. PRUME M. SPANOGLE, Jackson, Mich. Filed July 3, 1923. Serial No. 649,366. 3 Claims. (Cl. 126—351.)

1. The combination with a water heater comprising a heat insulated housing, a boiler suspended therein and spaced from the bottom thereof to form a combustion chamber, a burner in said chamber, an automatic valve for controlling the supply of gas to said burner, a flue communicating with said housing, a plate valve engageable over said flue, at times, an expansible thermostatic element arranged within said boiler, a non-expansible rod connected to one end of said thermostatic element, a cam mounted in the housing and connected to the remaining end of said non-expansible rod, and another non-expansible rod disposed longitudinally of the housing, connected at one end to said cam and at its other end to said plate valve.



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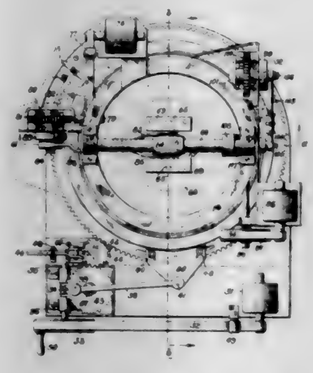
1,560,435. APPARATUS FOR TESTING GYROSCOPIC COMPASSES. ELMER A. SPERRY, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Sept. 19, 1919. Serial No. 324,747. 30 Claims. (Cl. 73—51.)



1. In a testing stand for gyroscopic compasses, a carriage mounted for turning about a vertical axis, a testing stand supported by said carriage, means for imparting an independent oscillatory motion to said stand in planes at right angles to each other, and means for simultaneously oscillating said carriage about said vertical axis.

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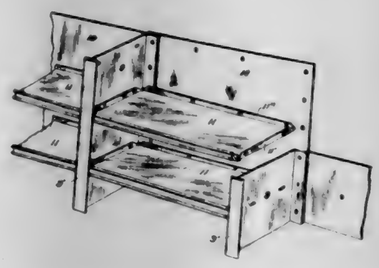
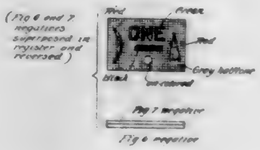
1,560,436. SHEET-METAL SHELF. EDWARD C. STAPLES, Canton, Ohio, assignor to United Alloy Steel Corporation, New York, N. Y., a Corporation of New York. Filed June 2, 1925. Serial No. 34,356. 4 Claims. (Cl. 211—27.)



1. A sheet metal shelf formed with a normal flange on its free edge and a downward forwardly inclined lip flange on the upper edge of the normal flange, and a reinforcing strip secured to the shelf flange and formed with an upward forwardly inclined lip flange on the lower edge thereof.



1,560,437. PROCESS OF PRODUCING COLOR PICTURES. LOREN E. TAYLOR, Los Angeles, Calif., assignor to Famous Players-Lasky Corporation, New York, N. Y., a Corporation of New York. Filed June 19, 1923. Serial No. 646,471. 3 Claims. (Cl. 95—2.)




1. The process of treating an exposed and developed film, that involves etching out from it the exposed portions by submitting it to the action of a solution containing hydrogen peroxide, cupric sulphate and an acid.

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1,560,438. METHOD OF AND MACHINE FOR COLORING MOTION-PICTURE FILMS. LOREN E. TAYLOR, Los Angeles, Calif., assignor to Famous Players-Lasky Corporation, New York, N. Y., a Corporation of New York. Filed July 5, 1923. Serial No. 649,603. 16 Claims. (Cl. 101—149.)

1. A method of coloring films by subjecting the film to be colored to a pressureable contact with a similar film carrying coloring matter, comprising bringing the film together in contact in a substantially rectilinear plane, and exerting pressure against the contacting films at spaced points and on opposite sides thereof.

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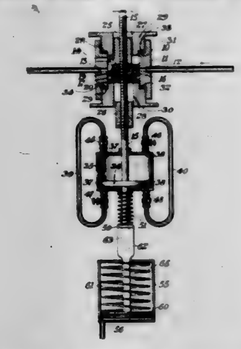
1,560,439. RETARDING DEVICE. ALBERT D. TRENOR, New York, N. Y., assignor to John Hays Hammond, Jr., Gloucester, Mass. Filed Nov. 1, 1917. Serial No. 199,727. Renewed Feb. 23, 1923. 14 Claims. (Cl. 137—139.)

1. A control mechanism comprising a fixed valve casing provided with an inlet port and with an outlet port, a valve arranged to reciprocate in said casing to

control said ports, a valve stem having a lost motion connection with said valve, means including a fluid actuated device having a lost motion connection with



said valve stem for moving said valve stem in one direction, and means to retard the movement of said valve stem in either direction.

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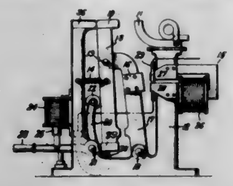
1,560,440. ELECTRIC SWITCH. JOHN F. TRITLE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 28, 1921. Serial No. 511,000. 32 Claims. (Cl. 200—89.)



1. An electric switch comprising a pair of relatively movable switch contacts biased to the open position, means for holding the contacts in the closed position, and means for closing the contacts arranged to first put the contacts under strain to the closed position while holding the contacts out of engagement and then release the contacts to close in accordance with the said strain so as to be held in the closed position by the said holding means.

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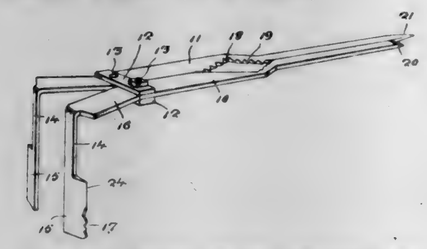
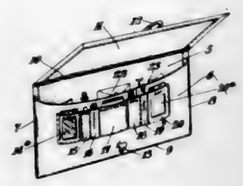
1,560,441. LAMP CLEANER. JAMES EDWARD TROSPER, Jacksonville, Ill. Filed Mar. 12, 1924. Serial No. 698,725. 1 Claim. (Cl. 15—104.02.)



A tool of the character described comprising a pair of similarly constructed levers pivotally connected together and arranged in edge-to-edge relation, each lever being similarly bent at one end to form lateral projections and said levers being also shaped adjacent the projections to space the same apart, each of such projections including a reduced portion and a relatively wide portion formed to provide a knife edge, and teeth formed in each knife edge.

1,560,442. HAND BAG. GERTRUDE S. TROWBRIDGE, Flushing, N. Y. Filed Nov. 20, 1924. Serial No. 750,965. 3 Claims. (Cl. 150—28.)



1. A hand bag for shopping, etc., comprising flexible back and front members connected together at their side and bottom edges to form an envelope with a flexible flap connected to the back member along its top edge and adapted to be bent over and lie in front of and against the front member to close the bag, said back member having a series of pockets on its inside face, and said front member having a series of pockets on its outside face, and means for removably securing said flap to said front member adjacent the bottom part thereof.

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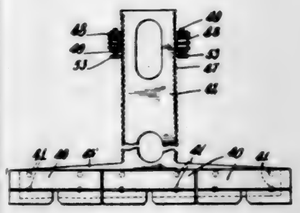
1,560,443. PARAFFIN-PRESS-PLATE-SEPARATING DEVICE. ANDREW VITENKO, New York, N. Y. Filed Mar. 20, 1925. Serial No. 16,941. 6 Claims. (Cl. 18—1.)



6. A machine of the class described comprising a frame having a pair of longitudinal supports for paraffin molds, a carriage supported on said frame to be movable along the said frame, and means on said carriage for separating individual molds, said means including a vertically movable scrubber knife having a vertical arm formed with worm teeth along the side thereof, a worm gear meshing with said teeth, a spur gear operatively connected to the said worm gear, and mutilated drive gears for said worm gear adapted to alternately mesh with the latter to rotate the same in relatively opposite directions.

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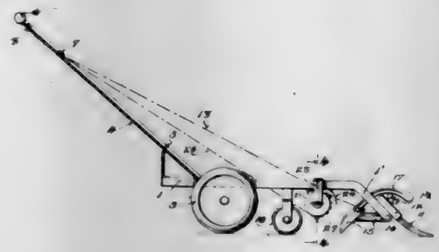
1,560,444. PROCESS FOR PRODUCING COPPER COATINGS ON NONMETALLIC SUBSTANCES. MAX VOLMER, Hamburg, Germany. Filed Mar. 30, 1921. Serial No. 457,043. 4 Claims. (Cl. 91—68.3.)

1. A process for producing a reflecting copper lining in a double-walled vacuum vessel consisting in first depositing a thin, hardly visible covering of silver on the inner surface of the vessel, producing a copper coating on the said covering, heating the vessel whilst evacuating the space in the double wall, and in subjecting the copper coating to the effect of reducing gases whilst the vessel is heated.



1,560,445. SHELLACKING MACHINE. HENRY WAGNER, Milwaukee, Wis. Filed Dec. 5, 1924. Serial No. 754,105. 6 Claims. (Cl. 91—25.)



1. A surface coating machine comprising a portable carriage, a rotary drum adapted to carry the coating and mounted transversely thereof and having a delivery portion, means for rotating said drum to position said delivery portion either uppermost or lowermost, and an elongated brush extending transversely of said carriage.

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1,560,446. PULP PROCESS. JOSEPH H. WALLACE, Stamford, Conn., assignor to Pine Waste Products, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 25, 1920. Serial No. 405,963. 3 Claims. (Cl. 92—2.)

1. In the recovery of valuable products from resinous wood the process which comprises extracting such a wood with volatile solvent as long as extraction of resinous matters is easily accomplished, interrupting the extraction and separating the resultant extract, disintegrating the wood with heated alkaline solution to form pulp, and recovering the residual non-volatile and solid resinous matters from the spent alkaline solution.

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1,560,447. PREPARATION OF WOOD FOR PULP MANUFACTURE. JOSEPH H. WALLACE, Stamford, Conn., assignor to Pine Waste Products, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 25, 1920. Serial No. 405,964. 5 Claims. (Cl. 92—2.)

1. The process of producing long-fibred relatively porous pulp mill chips having materially less resinous matter than that normal to the wood, said resinous matter being distributed substantially uniformly therethrough, which comprises reducing resinous coniferous wood to pulp mill-size chips, subjecting the same to a solvent throughout that period where the action of the solvent is most rapid and the rate of extraction is highest and discontinuing such extractive treatment at or about the point where there is an abrupt reduction in the rate of extraction of matters soluble in said solvent and while there yet remains in said chips a substantial amount of matters soluble in said solvent.

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1,560,448. WOOD-PULP MATERIAL. JOSEPH H. WALLACE, Stamford, Conn., assignor to Pine Waste Products, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 25, 1920. Serial No. 405,965. 7 Claims. (Cl. 92—3.)

5. As a new material, pulp mill chips of coniferous wood having the resinous content thereof reduced but having a substantial residual resinous content distributed to render the texture of said chips substantially uniform.

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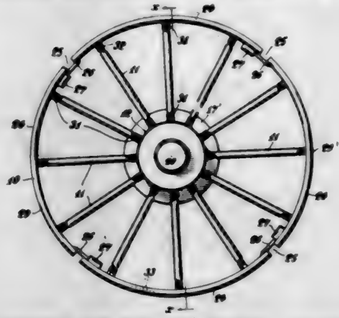
1,560,449. WHEEL. ALFRED WANG, Hoboken, N. J. Filed Apr. 23, 1925. Serial No. 25,211. 6 Claims. (Cl. 152—20.)

2. A collapsible wheel comprising a plurality of felly segments, each segment having a tongue and guide respectively, and ball bearings provided for said tongues and adjacent felly sections, a hub consisting of two sec-



tions, brackets and bolts for pivotally connecting the spokes with the felly and the hub sections respectively.

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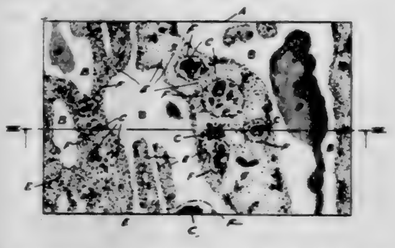
1,560,450. ARTIFICIAL STONE AND PROCESS OF MAKING. RALPH M. WESELY, Los Angeles, Calif., assignor of one-half to George Smith Macgruer and one-half to Robert Morton Simpson, both of San Francisco, Calif. Filed June 15, 1925. Serial No. 37,361. 14 Claims. (Cl. 18—48.8.)



1. Artificial stone consisting of a plastery material at least one surface of which is shaped and striated and formed with sets of undercut voids and additional sets of small voids, the strim constituting the exposed portions of shallow inlays of colored plastery material.

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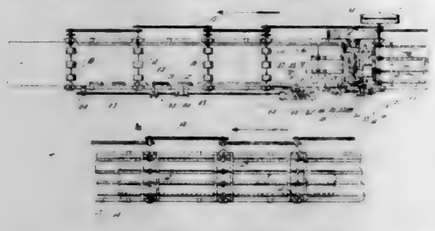
1,560,451. ANCHOR FOR AIRSHIPS. WARREN B. WEYRICK, Akron, Ohio, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 5, 1921. Serial No. 513,095. 12 Claims. (Cl. 189—90.)

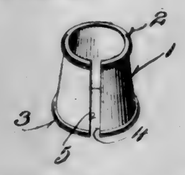
1. An anchor for aircraft comprising a plummet provided with stabilizing means and means for connecting the plummet to an aircraft.

1,560,452. SHEET-TRIMMING MACHINE. GEORGE FREDERICK WIELANDT, Canton, Ohio, assignor to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed June 23, 1923. Serial No. 647,216. 10 Claims. (Cl. 164—49.)



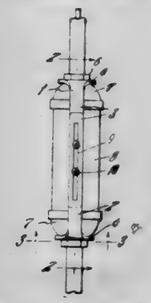
1. A sheet trimming machine including a reciprocating head with shearing edges on opposite sides, shearing dies cooperating with the shearing edges, a stop for detaining one sheet with its rear end in position to be trimmed by one shearing edge and a trip mechanism for controlling the operation of the head arranged to be engaged by a second sheet.

1,560,453. GOLF-TEE MOLD. FRANK H. WIESE, Manitowoc, Wis. Filed Mar. 16, 1925. Serial No. 15,892. 1 Claim. (Cl. 273—33.)



A golf tee mold comprising an annular resilient member having the shape of a truncated cone, said member being formed of sheet material having spaced edges and having rolled upper and lower marginal edges.

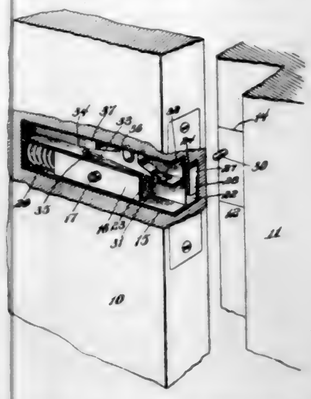
1,560,454. PUMP-CYLINDER PROTECTOR. GUS WIESE, New Hartford, Iowa. Filed June 9, 1925. Serial No. 35,966. 3 Claims. (Cl. 74—108.)



1. A device for the purpose indicated comprising complemental member provided with cylinder cap engaging heads and parallel arms, and means for connecting the arms together at their terminals.

1,560,455. LOCK. JOHN MALBY WILSON, Marion, Ind. Filed Oct. 2, 1924. Serial No. 741,224. 5 Claims. (Cl. 70—29.)

1. The combination with a door, a frame with which the door engages when in closed position, a bolt slidably mounted within the door, means normally maintaining the bolt with one end thereof projected, the frame having a socket receiving the projected end of the bolt when the door is in closed position, of means carried by the door retaining the bolt in withdrawn position,

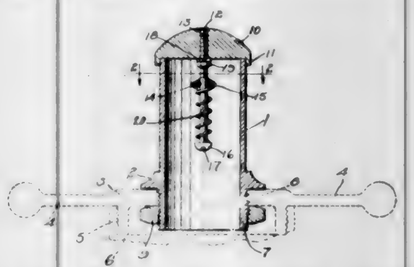


and means carried by the frame releasing the last named means to permit projection of the bolt when the door is fully closed, said last named means limiting the projection of the bolt when released.

1,560,456. METALLIC BILLIARD CUE. ROBERT B. WOLPERT, Minneapolis, Minn. Filed Apr. 13, 1925. Serial No. 22,618. 8 Claims. (Cl. 273—68.)

1. A billiard cue made up of a plurality of cylindrical sections progressively increasing in diameter from the tip toward the butt end and connected by tapered reducing couplings.

1,560,457. SAFETY VALVE. JOSEPH E. WOOD, Chicago, Ill., assignor of one-half to Fred W. Keech, Chicago, Ill., and one-half to Reliable Safety Valve Co., Chicago, Ill., a Corporation of Illinois. Filed May 13, 1922, Serial No. 560,590. Renewed May 4, 1925. 1 Claim. (Cl. 137—53.)

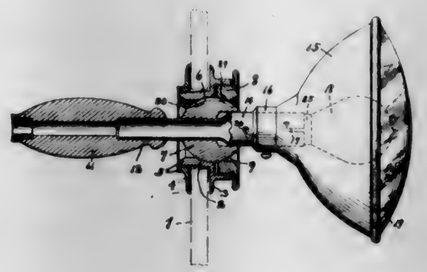


A safety valve for tanks comprising a cylindrical member having a threaded end, a flange disposed adjacent to the threaded portion, a nut adapted to lock said cylinder to a cover, a cap adapted to close the upper end of said cylinder and having a threaded bore therein, said cap being provided with a guiding flange that is adapted to receive the end of said cylinder, a bar extending transversely across said cylinder, and having an opening therein, a screw slidably disposed in said



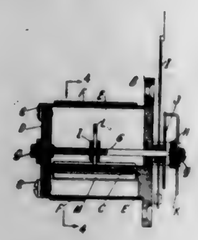
opening and having its threaded end received in said threaded bore in said cap, means for locking said screw to said cap, and a spring mounted on said screw and being disposed between said bar and the head of said screw.

1,560,458. SPOTLIGHT. KARL M. WISE, Birmingham, Mich., assignor, by mesne assignments, to The Clymer Manufacturing Company, Denver, Colo., a Corporation of Colorado. Filed Apr. 7, 1921. Serial No. 459,456. 6 Claims. (Cl. 240—61.)



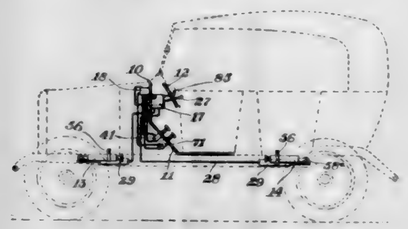
8. A spotlight comprising, a housing adapted to be mounted in a windshield, a lamp supporting member extending through and supported by the housing for substantially universal angular movement with respect to the windshield, a handle carried by one end of said member, a lamp, and means including a stem connecting said lamp and the other end of said member, for supporting said lamp in connection with said member so that the lamp may be oscillated, by movement of said handle, within a limited range about an axis normal to the axis of said member and may be rotated about the axis of said member to increase the range thereof.

1,560,459. ELECTRIC METER. HENRY TOWNSEND WORRALL, Chelmsford, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 2, 1928. Serial No. 616,479. 1 Claim. (Cl. 171—95.)



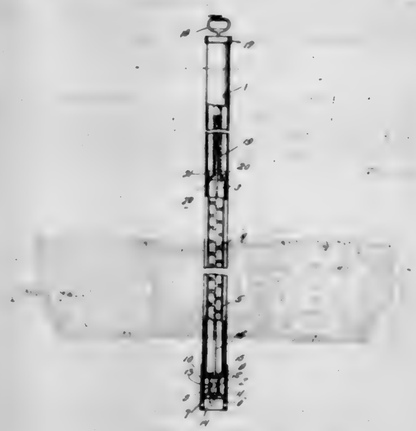
An electric meter comprising an annular coil, a cylinder mounted inside of said coil, a movable iron member, a spindle carrying an indicating needle rotatably mounted coaxially of said coil, an arm fastened to said spindle and located in a plane perpendicular to the axis of said spindle, said arm having an offset portion in the form of an arc concentric with the axis of the spindle, said iron member being mounted on the free end of said arm with one edge close to the inner wall of said cylinder and means forming a chamber in which said iron moves throughout its travel to form a dashpot.

1,560,460. AUTOMOBILE JACK AND BRAKE-OPERATING DEVICE. HARRY ALEXANDER YATES and PERCY ARTHUR STANLEY TODD, Ottawa, Ontario, Canada. Filed Dec. 24, 1924. Serial No. 757,941. 16 Claims. (Cl. 138—9.)



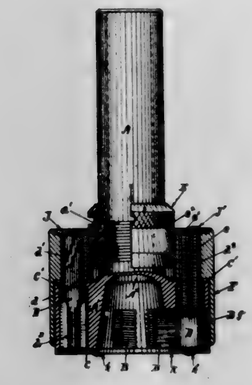
1. Means for jacking automobiles and the like, comprising a jack, a slide valve operable from the driver's seat, a jack operating valve communicating with said jack, a liquid-carrying conduit connecting said valves, means for supplying liquid under pressure to the valves, and rack and pinion means connecting the jack valve with the jack, whereby, on the slide valve being operated, the jack valve is operated to cause the jack to assume a vertical position and to operate the jack, means operable from the driver's seat, for releasing the pressure to cause the jack and slide valve to automatically assume a normal inoperative position.

1,560,461. GASOLINE GAUGE. JAHNEY H. BARNES, Eureka, Kans. Filed Sept. 8, 1924. Serial No. 736,559. 1 Claim. (Cl. 73—120.)



In a gasoline gauge, an elongated cylindrical casing, valve means on one end thereof, a cap on the other end thereof, a glass tube in the casing extending from an intermediate portion thereof to the valve means at one end thereof, said casing provided with an opening extending the approximate length of the tube, an actuating rod associated with the valve means and extending through the casing and through the cap thereof, a handle on the end of the actuating rod, adjacent the cap, a tubular sleeve in the casing extending downwardly from the cap and terminating at its bottom end in a flared portion merging into an upwardly disposed annular flange adapted to rest on the tube.

1,560,462. SELF OPENING AND CLOSING THREADING-DIE HOLDER. RUDOLPH A. BOEHM, Erie, Pa., assignor to Rickert-Shafer Company, Erie, Pa. Filed Sept. 1, 1923. Serial No. 660,555. 7 Claims. (Cl. 10—96.)



2. In a device of the class described, a shank, a head on said shank having a radially movable chaser mounted therein, a spring pressed ring longitudinally slidably mounted on said head, a rotatable shaft mounted in said head and said ring, means on said shaft and said chaser adapted to be co-engaged by reason of a partial rotation of said shaft to retain the chaser in place, co-acting means in said ring and on said shaft adapted to rotate said shaft, a sleeve adjustably secured on said shank, and spring pressed latch mechanism mounted in said ring adapted to engage said sleeve and limit the longitudinal movement of said ring on said head.

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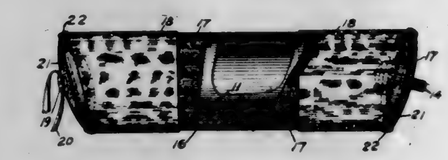
1,560,463. AIR BAG. RICHARD S. BURDETTE, Akron, Ohio, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 26, 1923. Serial No. 615,107. 12 Claims. (Cl. 18—45.)



8. A tubular inflatable container comprising walls reinforced with cord elements extending longitudinally of the container and a strip of cross woven fabric of varying width adapted to reinforce one side of said container.

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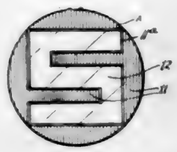
1,560,464. ADVERTISING INSERT FOR MOTOR-VEHICLE TAIL LIGHTS. RAYMOND CAMPBELL, Dallas, Tex. Filed Feb. 2, 1925. Serial No. 6,439. 1 Claim. (Cl. 40—131.)

An advertising insert for vehicle tail lamps, in combination with lamp, said insert comprising a disk, a blue letter occupying the central portion of the disk, said letter having a transparent non-colored outline on both inner and outer margins, the remaining portion of the disk being red colored, and both the letter and the red colored portion of the disk being translucent, the red colored portion of the disk for the purpose of displaying a danger signal, and the letter being used for



advertisements; and an entirely white translucent disk and a completely red translucent disk arranged beneath the lettered disk.

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1,560,465. METHOD OF TREATING RUBBER. CLARENCE M. CARSON, Akron, Ohio., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 7, 1923. Serial No. 617,612. 7 Claims. (Cl. 18—53.)

1. The method of treating rubber which comprises introducing a vulcanization accelerator thereinto in a plurality of separate parts by means of a carrying agent.

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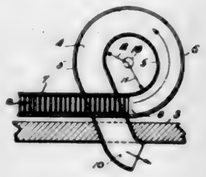
1,560,466. GRAVITY CONVEYER CHUTE. JAMES S. DA COSTA, Merchantville, N. J., assignor to The Lawson Company, Boston, Mass., a Corporation of New Jersey. Filed Oct. 31, 1924. Serial No. 747,000. 2 Claims. (Cl. 193—12.)



1. A spiral conveyer chute comprising spaced side walls arranged to define an inclined convolute guide channel coiled about a vertical axis, one of said side walls gradually approaching said axis as it descends.

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1,560,467. LOOSE-LEAF BINDER. JAMES C. DAWSON, Webster Groves, Mo. Filed Dec. 13, 1923. Serial No. 680,309. 5 Claims. (Cl. 129—24.)

1. In a loose leaf binder, the combination of a pair of rods, each bent to form an arch and a paper-holding prong adjacent thereto, a spring clip in which the arches are mounted to form a toggle, adjacent portions of the arches having mating grooves terminating in shoulders and a rod seated in said grooves and cooperating with the shoulders to hold the paper-holding prongs in alignment.

5. A loose leaf binder, the combination of paper holding devices, including pairs of separable prongs, and a spring cover having oppositely disposed notches and perforations, each pair of the said prongs extending through a notch and perforation.



1,560,468. WOODEN SUCKER-ROD GUIDE. JACK C. DODSON, Mexia, Tex., assignor to Mexia Planing Mill Company, a Copartnership composed of L. J. Ingram, Jack Dodson, and John W. Swann. Original application filed Sept. 11, 1923, Serial No. 662,144. Divided and this application filed June 18, 1924. Serial No. 720,777. 10 Claims. (Cl. 308—4.)

1. A guide for sucker rods, comprising a cylindrical body having a longitudinal extending axial bore therethrough and a longitudinal slot communicating with the bore and opening out through the side of the body.

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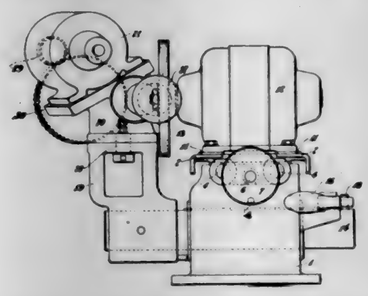
1,560,469. VALVE GRINDER. GEORGE W. FLEMING, Springfield, Mass., assignor to Fleming Machine Company, Springfield, Mass., a Corporation of Massachusetts. Filed June 23, 1922. Serial No. 570,460. 1 Claim. (Cl. 51—106.)



In a machine for grinding the inlet and exhaust valves of an internal combustion engine, the combination with a base piece, a platform movably mounted on the base piece, a motor and a grinding wheel mounted on the movable platform, said motor serving to operate the grinding wheel, means comprising two rods supported in the base, the platform having depending perforated lugs mounted on the rods, a depending threaded lug, a threaded shaft located in said threaded lug for moving the platform with the motor and grinding wheel as a unit, a motor supporting and work holding member reciprocably located in the base-piece below the supporting rods of the movable platform, means including a handle attached to the member and base piece for reciprocating the member in a direction transversely of the direction of movement of the movable platform, a motor mounted on the reciprocable member, a rotatable clutch for receiving the valve stem of a valve, the bevel face of which valve is to be ground; the valve and its stem being rotated by the motor which is mounted on the reciprocable member, the construction being such that the rotatable valve is moved across the face of the grinding wheel.

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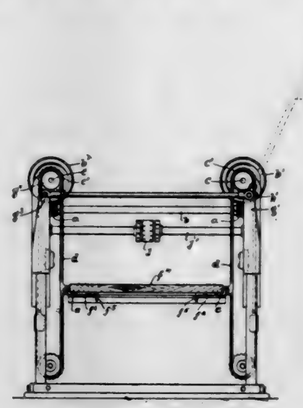
1,560,470. SHEET-FEEDING MACHINE. REUBEN HITCHCOCK, Cleveland, Ohio, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 23, 1925. Serial No. 32,329. 4 Claims. (Cl. 271—62.)



4. In a sheet feeding machine of the class described, the combination with a rectangular supporting frame, of elevating means therefor, and a plurality of supporting members adapted separately to be inserted in said frame, and interlocking means provided upon said members for insuring their alinement, substantially as set forth.

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1,560,471. MILK STRAINER. JOHN F. HORNE, Portland, Me. Filed Jan. 21, 1924. Serial No. 687,420. 7 Claims. (Cl. 210—159.)

1. A clamping device for clamping a straining cloth or the like to the outside of a cylindrical body, consisting of a band surrounding the body having two adjacent free ends, a connecting loop having its two ends connected one to each of the band and a locking ring adapted to slide longitudinally on said loop for drawing together the two sides of said loop.

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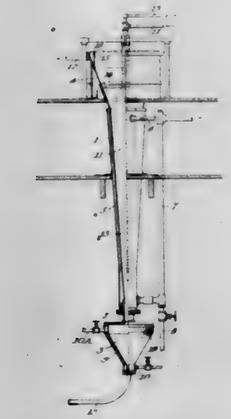
1,560,472. ORNAMENTATION. CARLOS D. HOPPES, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio. Filed Oct. 20, 1924. Serial No. 744,843. 1 Claim. (Cl. 41—26.)

The method of ornamenting a rubber surface which comprises applying fluid rubber to said surface, then, before said fluid rubber has set, and while said fluid rubber is still in condition to blend, squirting onto said surface, in overlapping relation to said first fluid rubber, additional fluid rubber of contrasting appearance adapted to at least in part blend with said first fluid rubber, and finally setting said fluid rubbers by effecting vulcanization thereof.

1,560,473. CONTINUOUS CRYSTALLIZING APPARATUS. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 19, 1924. Serial No. 714,515. 4 Claims. (Cl. 23—273.)



1. Crystallizing apparatus comprising an annular vessel, the inner and outer walls of which diverge upwardly, and means for applying a cooling medium to the inner surface of the inner wall.

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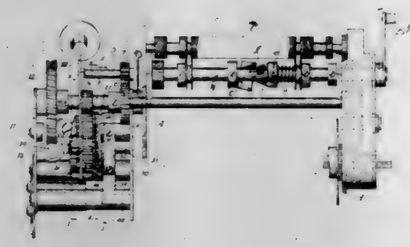
1,560,474. AUTOGRAPHIC REGISTER. LOUIS JENSEN, Chicago, Ill., assignor to United Autographic Register Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 9, 1922. Serial No. 535,338. 11 Claims. (Cl. 282—21.)



1. The combination in an autographic register with feed rollers one of which is tubular, a shaft reciprocable within the tubular roller and having one end extending beyond the end of said roller, an annular starter collar loose on said tubular roller, and a cone for centering said collar that is secured to and reciprocated by said shaft, of a lever designed to reciprocate said shaft.

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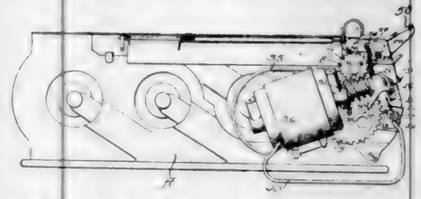
1,560,475. AUTOGRAPHIC REGISTER. LOUIS JENSEN, Chicago, Ill., assignor to United Autographic Register Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 9, 1922. Serial No. 535,339. 14 Claims. (Cl. 282—21.)

1. In an autographic register, the combination with the feed rollers, of a reciprocable shaft within the bore of one of said rollers, that has a screw-threaded end extending beyond a wall of the register, an annular starter mounted upon and normally eccentric to said shaft, a cone-shaped head secured to said reciprocal shaft and operable to engage and center said starter, of an oscillatory device that engages the screw-threaded



end of said shaft and returns it to its original position, and means that include an electric motor for actuating said mechanism.

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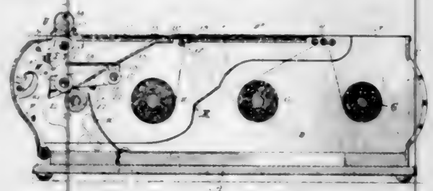
1,560,476. AUTOGRAPHIC REGISTER. LOUIS JENSEN, Chicago, Ill., assignor to United Autographic Register Co., Chicago, Ill., a Corporation of Illinois. Filed May 17, 1923. Serial No. 639,508. 6 Claims. (Cl. 282—16.)



1. In an autographic register a platen across which a record strip and a summary strip are adapted to be moved, feed means including a starter mechanism for moving said record strip, a supplementary strip arranged between said record strip and platen, means for moving said supplementary strip independently of the movement of said record strip, and devices for operatively relating said starter mechanism with the moving means for said supplementary strip.

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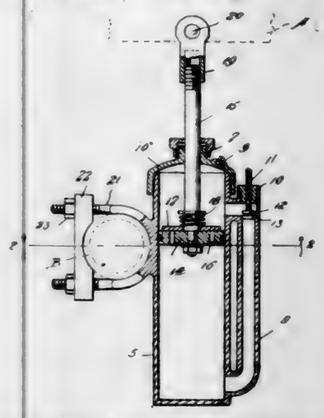
1,560,477. SHOCK ABSORBER. JOHN W. KESSLER, Philadelphia, Pa. Filed June 23, 1923. Serial No. 647,257. 1 Claim. (Cl. 188—88.)



A shock absorber comprising a cylinder provided at its side with a tube portion which communicates with the upper and lower portions of the cylinder, said tube portions having a valve seat, a rod slidably mounted in the cylinder, a piston carried by the rod and housed in the cylinder between the ends of the tube portion, said piston having ports passing transversely therethrough, a valve disc mounted upon the stem and disposed over the ports, a spring carried by the stem and bearing against the disc and serving to hold the same in a closed position over the ports, a plug threaded in the tube portion opposite the valve seat thereof, and a valve adjustably mounted in the plug and adapted to be moved to increase or diminish the area of the passageway through the tube portion.



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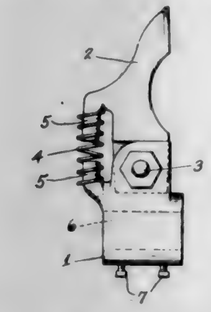
1,560,478. BINDER FINGER. ONESEME LANDRY, New Bedford, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 19, 1924. Serial No. 687,293. 1 Claim. (Cl. 139—345.)



In combination with the protector rod of a loom having a dagger, a body having an opening therein to receive the dagger rod for a connection therewith, a finger pivoted to the upper end of the body, confronting projections on the body and finger, a coil spring having its ends surrounding the projections and tending to resist movement of the finger on its pivot, and said finger having its upper end in contacting engagement with the binder of the loom for the purpose specified.

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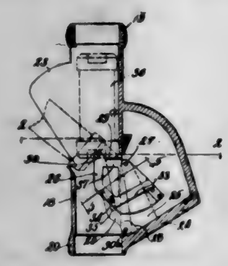
1,560,479. SELECTING APPARATUS FOR CONVEYER SYSTEMS. JAMES G. MACLAREN, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Feb. 21, 1925. Serial No. 10,832. 15 Claims. (Cl. 243—16.)



1. A carrier sorting device for carrier despatch systems comprising a tube for directing carriers, an abutment normally positioned within the tube at one side of the latter, and a combined actuating and locking device for the abutment, said device positively preventing movement of the abutment when engaged by carriers of one class, and positively moving the abutment out of the tube when carriers of another type engage said actuating and locking device.

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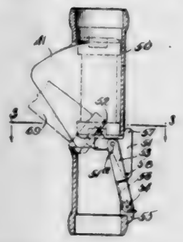
1,560,480. ASSORTING APPARATUS FOR CONVEYER SYSTEMS. JAMES G. MACLAREN, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Feb. 21, 1925. Serial No. 10,833. 14 Claims. (Cl. 243—16.)



3. A sorting device for carrier despatch systems comprising a tube for directing carriers, an abutment normally projecting into the path of carriers moving through the tube, and movable means for pivotally supporting the abutment, the abutment being so shaped that carriers of one configuration engage it at a point further from its fulcrum than carriers of another configuration, and means constraining said abutment to move bodily from out of the tube when engaged by carriers of the first kind.

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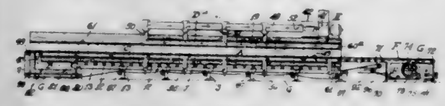
1,560,481. APPARATUS FOR ANNEALING GLASSWARE. VERGIL MULHOLLAND, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed June 1, 1925. Serial No. 33,977. 27 Claims. (Cl. 49—47.)



1. A lehr for annealing glassware, comprising a tunnel, a heating flue and a cooling flue associated with said tunnel, means for causing heating and cooling media to flow through said flues at subatmospheric pressure, and means located at intervals along said flues for controlling the temperatures therein.

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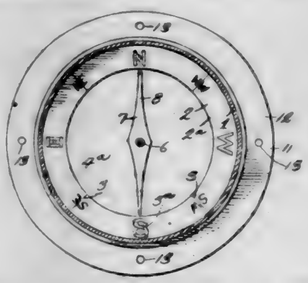
1,560,482. DIRECTION INDICATOR FOR VEHICLES. OLE P. NOISOM, South Bend, Ind. Filed Aug. 22, 1921. Serial No. 494,217. 1 Claim. (Cl. 33—222.)



A vehicle compass comprising a casing, transparent covers at the ends of said casing, an inwardly extending annular horizontally disposed flange within the casing and spaced from the ends thereof, a horizontally disposed magnetic needle disposed within the casing and in registration with the horizontally disposed flange and cooperating with compass scale indicia on the upper and

lower faces of the horizontally disposed flange said scales being in reverse relation, pintles carried by said needle and mounted in bearings in the transparent covers, the ends of said casing being threaded, a retaining ring threaded on one end of the casing, a flanged base threaded on the other end of the casing and forming means interchangeable with the retaining ring for supporting the casing from either of its ends, whereby the scale indicia on the horizontally disposed flange will read from right to left when the flange is on either end of the casing.

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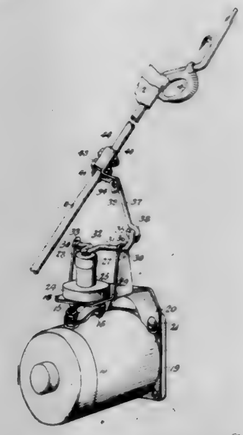
1,560,483. SWITCH-OPERATING DEVICE. ORAN L. OERTEL, Buffalo, N. Y., assignor to Spark Safety Starter Corporation, Buffalo, N. Y., a Corporation. Filed Aug. 3, 1925. Serial No. 47,679. 4 Claims. (Cl. 74—39.)



1. A device for operating a switch from a hand operated rock shaft, comprising a crank shaft having a crank adapted to shift said switch and a rock arm, an actuating arm adapted to be connected with said rock shaft, and a link connecting said rock arm with said actuating arm.

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1,560,484. LINK CARRIER FOR PAPER-MATCH MACHINES. LUCIAN E. PARKER, Wadsworth, Ohio, assignor to The Ohio Match Company, Wadsworth, Ohio, a Corporation of Ohio. Filed Dec. 1, 1924. Serial No. 753,409. 3 Claims. (Cl. 144—65.)

1. A link carrier for paper match machines, having transversely grooved links provided with projections from the side walls of said grooves and extending into the grooves in staggered relation.

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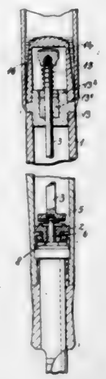
1,560,485. AUTOMATICALLY-FILLING FOUNTAIN PEN. ERNST RICHARD GUSTAV ALBERT RÖSLER, Hamburg, Germany, assignor to the Firm of Simplo Fullfeder-Gesellschaft Voss, Lausen & Dziambor, Hamburg, Germany. Filed Dec. 11, 1924. Serial No. 755,292. 6 Claims. (Cl. 120—47.)

1. An automatically filling fountain pen comprising a barrel, a piston in the barrel provided with a longitudinal passage, a piston rod having stops between which the piston is adapted to slide longitudinally on said piston rod, one stop being constructed to close said passage in the piston and the other stop to clear said



passage when contacting with the piston, and a spring engaging the piston rod and tensioned on the latter being pushed inwardly, so as to automatically move it outwardly again, when the pressure is reduced.

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1,560,486. DEVICE FOR SEATING VALVES. JOHN RUMMINS, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Oct. 8, 1923. Serial No. 667,432. 6 Claims. (Cl. 78—1.)

1. A valve seating tool comprising an elongated body member adapted to receive blows at its upper end, and having a spherical seat at its lower end; and a spherical anvil held in place within said seat and having an exposed surface adapted to engage the upper end of a valve to be seated.

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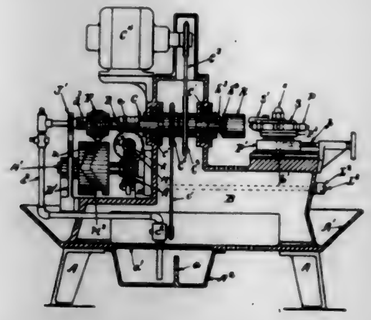
1,560,487. AUTOMATIC SCREW-THREADING MACHINE. ARTHUR A. SHAFER, Erie, Pa., assignor to Rickert-Shafer Company, Erie, Pa., a Corporation of Pennsylvania. Filed June 30, 1923. Serial No. 648,725. 5 Claims. (Cl. 10—105.)

3. In a machine of the class described, a hollow sleeve shaft, means to rotate said shaft, a shaft slidable within said sleeve shaft having a longitudinal opening in one end thereof, a threading die holder, a shank thereon adapted to be secured in said opening, means to cause said shaft to rotate in unison with said sleeve shaft, horizontal slide mechanism rotatably secured on said shaft, cam mechanism adapted to engage said slide mechanism to cause said shaft to move longitudinally in





said sleeve shaft, and gear and shaft mechanism adapted to rotate said cam mechanism in timed relation to the rotation of said sleeve shaft.

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1,560,488. METHOD OF TREATING RUBBER. ELLWOOD B. SPEAR, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 6, 1923. Serial No. 611,175. 13 Claims. (Cl. 18—58.)

1. The process of treating rubber or similar materials which comprises introducing unactivated carbon at least partially saturated with a rubber treating gas.

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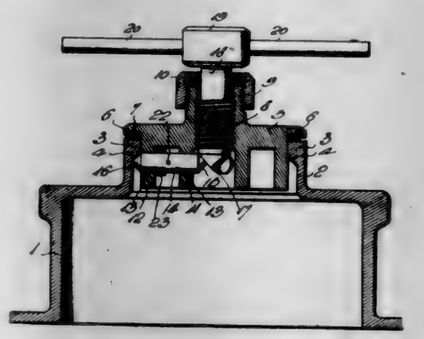
1,560,489. RECEPTACLE CLOSURE. SHERMAN A. YAGER, deceased, late of Pasadena, Calif., by Alice J. Yager, administratrix, Pasadena, Calif. Filed Oct. 3, 1924. Serial No. 741,364. 2 Claims. (Cl. 220—55.)



1. A closure comprising a disk having an axial opening and provided on its inner side with inner and outer continuous flanges which are concentric with said opening, said flanges being formed with radially alined openings, a plurality of pins received slidably in said radially alined openings and having beveled inner and outer ends projecting from said inner and outer flanges, and a screw threaded through said axial opening and having a pointed inner end engaging the beveled inner ends of said pins to project the latter when the screw is threaded inwardly.

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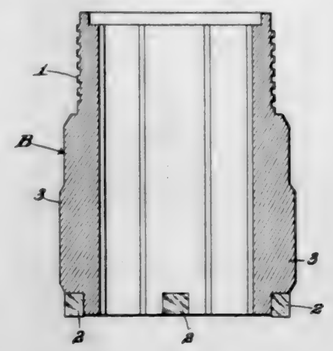
1,560,490. DIAMOND-DRILL BIT. MINAL E. YOUNG, Casper, Wyo. Filed Sept. 4, 1924. Serial No. 735,948. 3 Claims. (Cl. 255—72.)



1. The combination with a drill bit having diamonds projecting beyond its periphery at the working end thereof, of protecting flanges of soft metal carried by the bit and projecting outwardly beyond the diamonds, said flanges being arranged above the diamonds.

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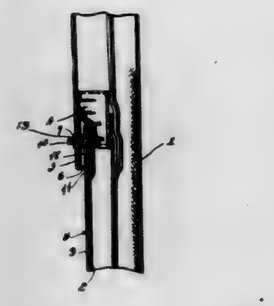
1,560,491. COTTON-PICKER'S SACK. LOUIS H. YOUNGER, Austin, Tex. Filed Jan. 15, 1925. Serial No. 2,646. 1 Claim. (Cl. 150—2.)



In combination, a cotton picker's sack provided with a transversely extending plait, eyelets carried by the plait, a protector for the under side of the sack and provided with folds embracing the side edges thereof, one end of the protector being positioned beneath the plait, eyelets carried by said end of the protector and registering with the eyelets of the plait, a retaining element passing through the eyelets, and retaining elements engaging the folds.

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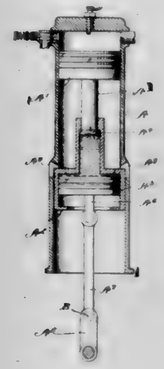
1,560,492. INTERNAL-COMBUSTION ENGINE. ALVAH L. POWELL, Miles City, Mont., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont., a Body Corporate. Filed Feb. 2, 1921. Serial No. 441,976. 5 Claims. (Cl. 138—23.)

1. In an internal combustion engine, a pressure developing means, a piston having major and minor diameters, an intermediate piston having major and minor bores, means for reciprocating the minor diameter of the first mentioned piston in the minor bore of said intermediate piston, a secondary piston slidable in the

major bore of said intermediate piston, fluid means between said secondary piston and the minor diameter of said first mentioned piston, a power shaft, connecting



means between said power shaft and said secondary piston whereby said power shaft is actuated by the pressure of the said fluid means.

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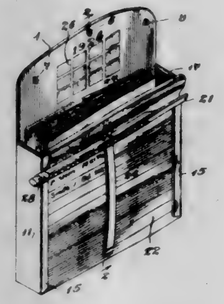
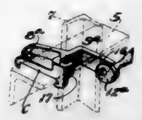
1,560,493. HOLDER. PHILIP STEINBERG, Toledo, Ohio. Filed June 18, 1924. Serial No. 720,839. 1 Claim. (Cl. 120—82.)



A holder formed of a single strip of material and comprising a back plate and a front plate having an integral strip of material connecting the lower ends, with the front plate and back plate being located in parallel relation, said back plate having side flanges which are bent forwardly at right angles to the back plate, the front plate having side flanges bent rearwardly and adapted to lie in close contact with the flanges of the back plate, the outer ends of the flanges of the back plate being bent in parallel relation to the back plate and engaging the front plate along its side edges for locking the two plates in parallel relation, flanges projecting upwardly from the back plate adapted to be bent downwardly and engage over the upper edges of the side flanges of the front plate, the upper edge of the front plate being bent downwardly and outwardly and curved to provide a pencil holder, the front plate being provided with a perforation adjacent its lower end and a strip of material having its upper end maintained in position by the lead pencil holder and its lower end inserted in the perforation of the front plate.

1,560,494. FORM-ALIGNING BRACE. HERAULT A. TRESTER, Milwaukee, Wis., assignor to Metal Forms Corporation, Milwaukee, Wis., a Corporation. Filed Nov. 10, 1920. Serial No. 423,011. 7 Claims. (Cl. 25—131.)



1. A clamp of the character described, including a body portion provided with a pair of jaws adapted to engage intersecting bars, one of said jaws having a hooked formation so that it will interlock with the respective bar, and a movable clamping element permanently carried by the opposite jaw and adapted to engage the other bar to hold the clamp in a tight engagement with the two bars.

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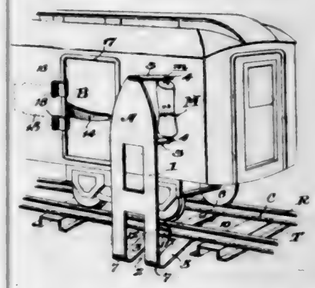
1,560,495. TOY MAIL-BAG-LOADING MECHANISM. HARRY S. BECKER, River Forest, and EARL BOISSELIER and GUY F. SCHUMACHER, Chicago, Ill., assignors to American Flyer Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 8, 1924. Serial No. 754,590. 18 Claims. (Cl. 258—7.)



1. A toy mail bag handling apparatus for toy trains comprising a bag support adapted to be detachably fitted to a track and including spaced apart spring arms having means for engaging the ends of a bag and carried by an upright, a base upon which the upright is mounted, and means carried by the base for engaging with a portion of the track thereby to position the mail bag at the proper location with reference to a moving train.

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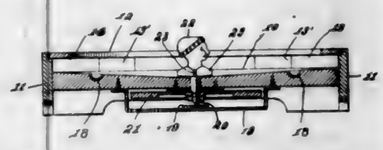
1,560,496. GAME. TORGER A. BAKKETUN, Northwood, Iowa. Filed Apr. 12, 1923. Serial No. 631,641. 1 Claim. (Cl. 273—119.)



A game device comprising a board dished toward its center, and having secured to its edges side members which rest upon a supporting surface to elevate the board and present a box-like appearance, a top secured to the side members and formed with a circular opening of less diameter than the playing surface of the board, thereby defining an overhanging flange, a series of recesses formed in the playing surface, the playing surface being inscribed with various indicia, depending brackets in crossed relation secured to the underside of the board,



a shaft having a bearing in said brackets and passed through the board at its lowest point, a fly wheel mounted on the shaft between the brackets and the underside of the board, a flat head rigid on the upper end of the shaft for turning the same, and a plurality of radial arms formed at the base of the head and resting flat on the board, in combination with a plurality of balls disposed on said playing surface and adapted to be engaged by said arms.

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1,560,497. MUSICAL INSTRUMENT. JOSEPH LE ROY BANKS, Baltimore, Md. Filed July 19, 1922. Serial No. 576,145. 16 Claims. (Cl. 84—93.)

16. A device for playing a harmonica comprising a tracker-bar, means for supporting a music-note sheet for movement across said tracker-bar, and means for supporting a harmonica for adjustment lengthwise of said tracker-bar.

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1,560,498. TIRE FLAP. THOMAS A. BEANEY, Poughkeepsie, N. Y., assignor to Beaney Rubber Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 25, 1924. Serial No. 752,245. 5 Claims. (Cl. 152—20.)

2. A tire flap including a plurality of sections having overlapping ends slidable upon each other and means for guiding the ends in their sliding movements, and having a valve stem receiving opening located substantially midway between the ends of one of the sections.

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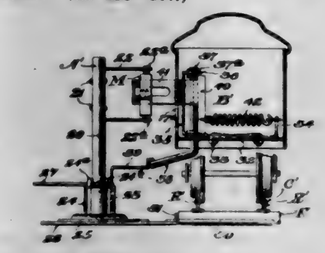
1,560,499. TOY MAIL-BAG-LOADING MECHANISM. HARRY S. BECKER, River Forest, and EARL BOISSELIER and GUY F. SCHUMACHER, Chicago, Ill., assignors to American Flyer Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Original application filed Dec. 8, 1924, Serial No. 754,590. Divided and this application filed Apr. 20, 1925. Serial No. 24,666. 10 Claims. (Cl. 258—107.)



1. A toy mail bay loading mechanism comprising a bag catching device carried by a car and a bag support adapted to be attached to a track, said bag support

comprising a base adapted to engage with the track, and a sleeve rotatably mounted on said base and having a handle, and a post carrying mail bag supporting means fitted into said sleeve.

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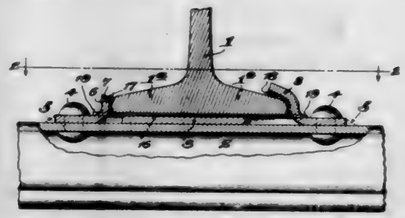
1,560,500. RAIL FASTENER. WILLIAM DALTON, Schenectady, N. Y. Filed Feb. 2, 1925. Serial No. 6,408. 7 Claims. (Cl. 238—107.)



1. Rail fastening means, comprising a plate adapted to be rigidly secured to the tie beneath the rail, and upstanding abutments on said plate to engage the rail flange, the abutment on one side presenting a substantially vertical face to the adjacent edge of said flange, and the abutment on the other side being bent to overlap the adjacent edge of said flange, said overlapping abutment standing at a greater angle to the horizontal than the top surface of said flange whereby the rail is securely held against both lateral and vertical movement but can be removed from the tie by tilting it about the flange edge which lies under said overlapping abutment.

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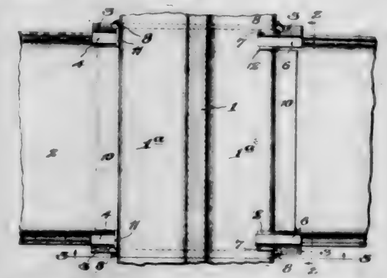
1,560,501. RAIL FASTENER. WILLIAM DALTON, Schenectady, N. Y. Filed Feb. 2, 1925. Serial No. 6,409. 4 Claims. (Cl. 238—344.)



1. Means to removably secure rails to metal ties of inverted U-shape, comprising a plate adapted to be secured to the sides of the tie, one end of said plate extending above the tie and having a vertical face to engage the adjacent edge of the rail flange, and the other end of said plate extending above the tie to engage and overlap the adjacent edge of said flange, the angle of the overlapping portion being steeper than that of the top of the flange, whereby the rail can be removed by tilting it.

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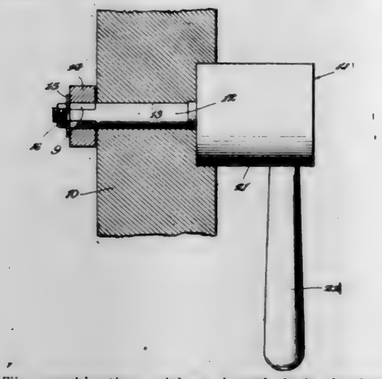
1,560,502. SOUND-REPRODUCING DEVICE. LEE DE FOREST, New York, N. Y. Filed Jan. 15, 1925. Serial No. 2,548. 20 Claims. (Cl. 179—115.)

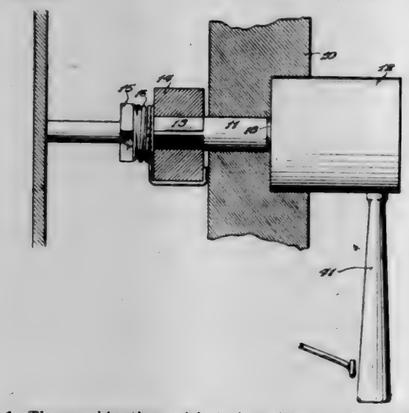
3. A sound reproducing device comprising a fixed membrane and a sound reproducing member attached tangentially to the marginal edge thereof.

1,560,503. LEVER LATCH FOR SAFE LOCKS. WILLIAM FRED DOENGES, San Antonio, Tex. Filed Aug. 23, 1922, Serial No. 583,818. Renewed June 19, 1924. 7 Claims. (Cl. 70—91.)



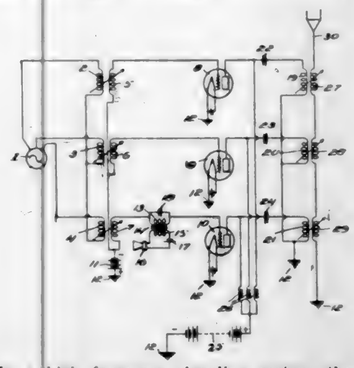
2. The combination with a barrel lock, having an eccentric stud; of a hub in which the barrel lock is mounted, a handle on said hub, guiding means in said hub, a slide provided with a radial lug and mounted in said guiding means fo rtransverse reciprocation in the hub, said slide having engagement with said stud, a revoluble member mounted coaxially with said barrel lock in said hub, said member having a recess corresponding to said radial lug and adapted to engage therewith in one position of said slide, a retaining plug in said guiding means for transverse reciprocation in said hub and antifriction bearings between said revoluble member and said plug on the one hand, and between the hub and the revoluble member on the other hand.

1,560,504. LEVER HANDLE FOR SAFE LOCKS. WILLIAM FRED DOENGES, San Antonio, Tex. Filed July 7, 1923. Serial No. 650,040. 11 Claims. (Cl. 70—91.)



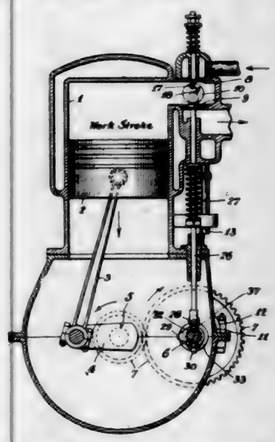
1. The combination with a barrel lock, of a hub in which the barrel lock is mounted, a cam secured to said barrel and adapted to turn therewith operated by a key, said hub having a cylindrical chamber, a revoluble member in said hub, said revoluble member having radially directed notches, a plurality of latches adapted to engage in said notches and guiding means in said chamber for said latches, elements tending yieldingly to hold the latches in said notches, said cam being arranged between and engaging with said latches and adapted to raise the same out of the notches on the turning of said barrel by said key.

1,560,505. METHOD OF CARRIER-FREQUENCY SUPPRESSION. ROBERT D. DUNCAN, Jr., East Orange, N. J., assignor to Wired Radio Inc., New York, N. Y., a Corporation of Delaware. Filed May 19, 1925. Serial No. 31,393. 17 Claims. (Cl. 179—171.)



1. In a high frequency signaling system, the combination of a source of three phase high frequency current, a work circuit, signaling means associated with said source, the said high frequency source, work circuit and signaling means being so associated that both during and intermediate the signaling periods that component of the high frequency current which is unaffected by the signaling means is suppressed from said work circuit.

1,560,506. INTERNAL-COMBUSTION ENGINE. LEONARD H. DYER, New York, N. Y. Filed May 29, 1923. Serial No. 642,231. 10 Claims. (Cl. 123—41.)




1. An engine of the four stroke cycle type, having an exhaust valve, a rotating valve operating shaft, for opening said valve, means for reversing the direction of rotation of the engine and shaft, and means operatable by the direction of rotation of the valve operating shaft for timing the period of valve opening in relation to the point of ignition, said means actuating the exhaust valve on the first exhaust stroke following the change of direction of rotation of the engine.

1,560,507. GRINDER. ALBERT F. FROUSSARD, St. Louis, Mo. Filed Nov. 5, 1923. Serial No. 672,868. 4 Claims. (Cl. 51—206.)

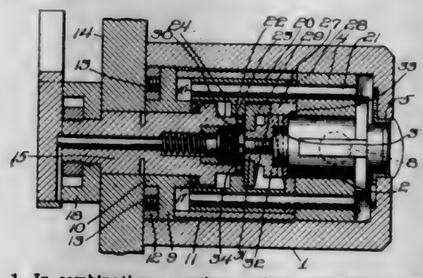
1. In a grinder the combination of a rotating head having a plurality of plane sides in its periphery, and



a plurality of retainers secured to the said sides, the said retainers each consisting of a base plate on the said sides, and side plates extending perpendicularly from the said base plate and connected thereby, there

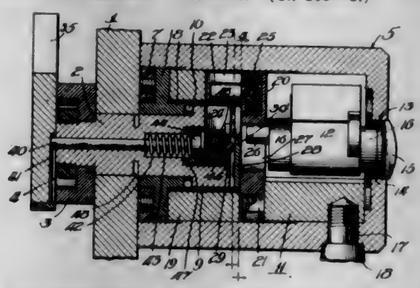
being beveled outer faces at the base of said side plates, the said retainers being arranged contiguously to one another with the said beveled faces forming their common meeting faces.

1,560,508. LOCK FOR HANDLES OF SAFES OR VAULTS, ADAM GABRIEL, Chicago, Ill., assignor to William F. Doenges, San Antonio, Tex. Filed Jan. 28, 1924. Serial No. 688,911. 7 Claims. (Cl. 109—3.)



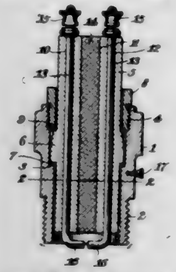
1. In combination, a casing, a shaft extending through a wall of the casing, said wall having an inwardly-directed hub surrounding said shaft, the shaft having at the inner end beyond the hub a noncircular portion, a member housed in said casing and interlocked therewith so as to be held against rotation therein and be free to slide relatively thereto between a working and an idle position in the direction of the length of said shaft, said member having an annular part that surrounds the said hub in all positions of said member and a part fitting upon said noncircular part of the shaft only in the working position of said member, and key-controlled means for moving said member between its said positions.

1,560,509. THERMALLY-CONTROLLED SAFETY HANDLE FOR DOORS. ADAM GABRIEL, Chicago, Ill., and WILLIAM F. DOENGES, San Antonio, Tex.; said Gabriel assignor to said Doenges. Filed Jan. 28, 1924. Serial No. 688,936. 17 Claims. (Cl. 109—3.)



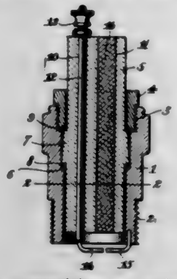
1. In combination, a wall, a bolt-actuating shaft extending through said wall, a bolt actuator associated with the shaft on one side of the wall, a handle member on the shaft on the other side of the wall, and means controlled by the temperature within said handle for bringing about an inoperative relation between the shaft and said actuator.

1,560,510. SPARK PLUG. LOUIS HIRSCH, Mesilla Park, N. Mex. Filed July 26, 1924. Serial No. 728,409. 1 Claim. (Cl. 123—169.)



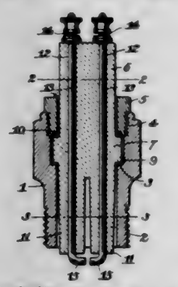
A spark plug, comprising a casing, an insulating core in the casing and of a length greater than the casing and projecting appreciably above the upper end of the casing, said core having three parallel bores, a transparent core secured in the central bore and extending throughout the length of the core, and a pair of electrodes projecting through the other bores and having terminals at their inner ends spaced apart and located in line with the transparent core.

1,560,511. SPARK PLUG. LOUIS HIRSCH, Mesilla Park, N. Mex. Filed July 26, 1924. Serial No. 728,410. 1 Claim. (Cl. 123—169.)



A spark plug, comprising a casing, an insulating core in the casing having a pair of parallel bores extending throughout the length thereof, one bore being appreciably larger than the other, an electrode located in the smaller bore and projecting through the core, terminals on the electrode and on the inner end of the casing, spaced apart and providing an arc in line with the larger bore, and a transparent core extending throughout the length of the first-mentioned core and fitting the larger bore of the latter.

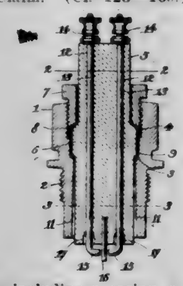
1,560,512. SPARK PLUG. LOUIS HIRSCH, Mesilla Park, N. Mex. Filed July 26, 1924. Serial No. 728,411. 1 Claim. (Cl. 123—169.)



A spark plug including a casing, a core in the casing, a pair of electrodes projecting through the core and parallel to each other, said core at its inner portion com-

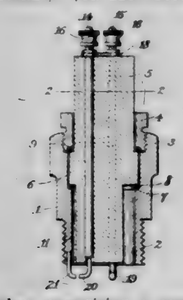
prising a pair of separate members being circular in cross section, and the inner face of the casing being recessed concentrically with the members whereby an annular space is provided in the casing around each electrode carrying member.

1,560,513. SPARK PLUG. LOUIS HIRSCH, Mesilla Park, N. Mex. Filed July 26, 1924. Serial No. 728,412. 1 Claim. (Cl. 123—169.)



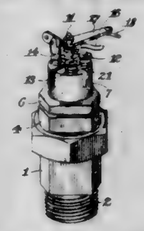
A spark plug, including a casing, a core in the casing, a pair of electrodes in the core, an isolated conductor located at the inner end of the core and spaced from the terminals of the electrodes, said core at its inner end being substantially elliptical in cross section, the shell or casing being substantially circular in cross section and having recesses in its opposite walls whereby the surface of the shell or casing is spaced from the edges of the core.

1,560,514. SPARK PLUG. LOUIS HIRSCH, Mesilla Park, N. Mex. Filed July 26, 1924. Serial No. 728,413. 3 Claims. (Cl. 123—169.)



1. A spark plug, comprising a casing, a core in the casing, three electrodes in the core, terminals on two of the electrodes forming a spark gap, a terminal on the casing spaced from a terminal on the third electrode forming a second spark gap, and said electrodes connected in series.

1,560,515. SPARK PLUG. LOUIS HIRSCH, Mesilla Park, N. Mex. Filed July 26, 1924. Serial No. 728,414. 3 Claims. (Cl. 123—169.)

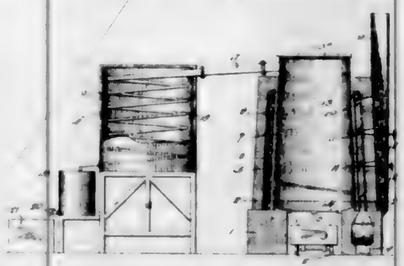


1. A spark plug, comprising a casing, a core in the casing, four electrodes in the core providing two spark gaps at their inner ends, and all of said electrodes connected in series, one of said electrodes movable to open the normal circuit and provide a spark gap between the same and the casing.

1,560,516. ROAD RAIL. HERAULT A. TRESTER, Milwaukee, Wis., assignor to Metal Forms Corporation, Milwaukee, Wis., a Corporation. Filed March 15, 1922. Serial No. 544,025. 10 Claims. (Cl. 25—118.)

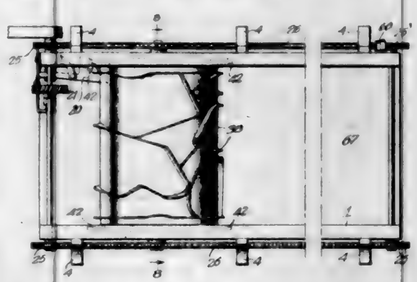
1. A rail form of the character described, including a body portion formed with an upright working face, and a series of transversely disposed hollow arch shaped reinforcements engaging the back of the working face and inclined downwardly and rearwardly therefrom, the front end of the arched reinforcements extending the full height of the upright working face and the inclined tops thereof forming substantially diagonal brace members.

1,560,517. APPARATUS FOR WOOD DISTILLATION. JOHN L. WEAVER, New Orleans, La. Filed Mar. 21, 1921. Serial No. 457,228. 6 Claims. (Cl. 203—6.)



2. In wood distillation apparatus of the kind described, the combination with a distillation retort, of a helical flue, a stack communicating with the flue in different horizontal planes, and dampers controlling communication between the stack and the flue, the dampers being in different horizontal planes.

1,560,518. CLOTH-CUTTING MACHINE. MORRIS DORMAN, Baltimore, Md. Filed May 29, 1925. Serial No. 33,788. 19 Claims. (Cl. 164—28.)



1. In a cloth cutting machine a cylindrical member and a cylindrical shell endwise slidably removably engaged thereover and carrying the cutting members.

Patents Nos. 1,560,519 to 1,561,451.

THE
# OFFICIAL GAZETTE
OF THE
# United States Patent Office.

Vol. 340—No. 2. TUESDAY, NOVEMBER 10, 1925. Price—$5 per year.

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| Labels | 34—No. | 29,445 to No. | 29,478, inclusive. |
| Prints | 10—No. | 8,308 to No. | 8,317, inclusive. |
| Reissues | 9—No. | 16,203 to No. | 16,210, inclusive. |
| Designs | 65—No. | 68,087 to No. | 68,751, inclusive. |
| Patents | 933—No. | 1,560,519 to No. | 1,561,451, inclusive. |
| Total | 1,308 | | |

## Resignation of Assistant Commissioner Fenning.

Mr. Karl Fenning, who in June, 1921, relinquished a successful practice in Cleveland to accept the position of Assistant Commissioner, in response to Commissioner Robertson's urgent desire to secure a competent man for this place, resigned on November 4, 1925. Mr. Fenning has performed the responsible duties of his office with distinction and ability. Many important improvements in the conduct of the Office are due to this energetic and public-spirited official, and it is with regret that his resignation is accepted. Mr. Fenning will enter the Department of Justice to take charge of patent matters for the Government. That department is to be congratulated upon its good fortune in securing so valuable an official for this work.

## ADJUDICATED PATENTS.

(C. C. A. III.) The Miller patent, No. 878,225, for milk-pasteurizing device, claim 5 *Held* invalid. *Creamery Package Mfg. Co.* v. *Miller Pasteurizing Mach. Co.*, 6 F. (2d) 838.

(C. C. A. III.) The Miller patent, No. 945,570, for large-capacity ice-cream freezer, claims 7, 8, 10, 11, 12, 20, and 21 *Held* valid and infringed. *Creamery Package Mfg. Co.* v. *Miller Pasteurizing Mach. Co.*, 6 F. (2d) 838.

(C. C. A. N. Y.) The Kirsch patent, No. 1,240,582, for sectional curtain rod, *Held* invalid for lack of invention. *Kirsch Mfg. Co.* v. *Gould Mercereau Co.*, 6 F. (2d) 793.

## NOTICE TO ATTORNEYS.

**A circular letter reading as follows has been placed in the mail addressed to each attorney on the roster:**

**"Your name appears on the roster of those registered to practice before the United States Patent Office. We are preparing to revise the roster to eliminate the names of those who are dead or who have retired from practice before this Office.**

**"You are reminded that the rules provide that attorneys registered in this Office should keep the Office advised of any change of address. To this end will you please fill out the form below and return this letter immediately.**

**"Your failure to fill out and return this letter will be considered your authorization to remove your name from the roster."**

**Attorneys who have not received this circular and who wish their names to be retained on the roster should immediately write the Commissioner of Patents to that effect and give him their full names and business addresses, together with their registration numbers and the names of any firms of which they are members or with which they are associated.**

## Condition of Applications Under Examination at Close of Business October 30, 1925.

(Total number of applications awaiting action, excluding Trade-Mark Division, 40,227: Trade-Mark Division, 2,089. Oldest new case, Apr. 18, 1925; oldest amended, Apr. 24, 1925. The dates given are 1925.)

| Room No. | Divisions, Examiners, and Subjects of Inventions. | Oldest new application and oldest action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
|---|---|---|---|---|
| 112 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders. | Aug. 6 | Aug. 12 | 563 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | June 18 | May 1 | 500 |
| 331 | 3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | Sept. 1 | Aug. 6 | 520 |
| 234 | 4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists. | July 31 | Aug. 6 | 541 |
| 106* | 5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | June 1 | June 4 | 898 |
| 318 | 6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | July 18 | July 3 | 863 |
| 108 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | Aug. 1 | Aug. 1 | 772 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture | July 29 | Aug. 5 | 1,190 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | July 10 | July 17 | 574 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | July 3 | July 18 | 922 |
| 148* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | Aug. 4 | Aug. 1 | 711 |
| 380 | 12. PIERCE, P. P., Machine Elements | July 13 | July 6 | 683 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | July 1 | Aug. 3 | 623 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | July 1 | Aug. 3 | 780 |
| | | July 23 | July 24 | 720 |
| 329 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | June 15 | June 16 | 920 |
| 242* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | Aug. 7 | Aug. 18 | 360 |
| 307 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | | | |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | June 2 | June 2 | 721 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | July 9 | July 31 | 490 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking. | July 24 | July 22 | 654 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | June 18 | Aug. 17 | 479 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Aug. 13 | Aug. 13 | 349 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | June 8 | July 2 | 382 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Aug. 12 | Aug. 26 | 341 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | July 22 | July 24 | 734 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | May 6 | May 11 | 763 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | Aug. 31 | Aug. 31 | 495 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Aug. 24 | Sept. 4 | 686 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | Apr. 18 | Apr. 24 | 1,199 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | July 7 | July 17 | 914 |
| 312 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | Aug. 27 | Aug. 18 | 683 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | June 26 | July 1 | 594 |
| 152 | 33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Sept. 3 | Aug. 31 | 629 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders. | June 15 | July 7 | 586 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | Aug. 1 | Aug. 19 | 633 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | July 11 | July 29 | 1,055 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | June 16 | June 9 | 912 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells. | June 2 | June 1 | 887 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | July 16 | Aug. 25 | 384 |
| 269 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | July 6 | July 17 | 1,198 |
| 125 | 41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | July 10 | July 24 | 447 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling | May 20 | May 16 | 1,224 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | July 10 | Aug. 3 | 741 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | May 14 | June 2 | 840 |
| 379 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | July 16 | Aug. 1 | 526 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | July 11 | July 7 | 597 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | June 10 | June 13 | 1,200 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications | May 19 | May 15 | 1,592 |
| 239 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification | July 6 | July 9 | 768 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | June 15 | June 20 | 1,078 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | June 19 | June 11 | 1,573 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | Aug. 25 | Aug. 26 | 517 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens. | Aug. 12 | Aug. 14 | 720 |
| 102 | Designs: C. O. MARKHAM (Acting) | Oct. 12 | Oct. 14 | 336 |
| 163 | Trade-Marks, Labels, and Prints: T. L. MEAD, Jr. Trade-Marks | Sept. 31 | Oct. 5 | 1,883 |
| | Labels and Prints | Oct. 3 | Oct. 17 | 206 |

* Refers to room numbers in the annex.



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Commissioner's Decisions.

EX PARTE BERGER.

*Decided March 28, 1924.*

1. ANTICIPATION—PATENT IN WHICH TERMS ARE MISAPPLIED DOES NOT ANTICIPATE CLAIMS FOR DIFFERENT STRUCTURES IN WHICH SAME TERMS ARE CORRECTLY USED.

Where a prior patent shows numbers printed in alternate rows of red and black with the red numbers immediately above the black and the specification refers to the numbers as being "superposed," *Held* that this term, which is misapplied in the patent, can not be used as a verbal anticipation of applicant's claims, which use the same term to cover a plurality of indicating marks of different colors occupying the same space, since structure, not words, is dealt with.

2. SAME—NONANALOGOUS ART—DIFFERENT PROBLEMS.

Claims covering a calibrated chart for a measuring apparatus, having a tabular set of inscriptions printed in one color and a second set superposed thereon and printed in another color, together with corresponding color screens, are not anticipated by a signal for automobile use showing superposed designs of different colors on a transparency, beneath which are two lamps of corresponding colors, the arts not being so close or analogous as to preclude invention in transferring the idea from one art to the other, and the problems being different.

3. SAME—SAME—SAME.

Claims for a measuring apparatus comprising a calibrated chart having superposed inscriptions of opposite colors, together with corresponding color screens, are not anticipated by an advertising device having a red figure superposed on a green figure, with two transparent coverings, one red and the other green, the arts and the problems to be solved being different.

[Note.—This application has resulted in Reissue Patent No. 15,884, May 13, 1924.]

Application for patent.

APPEAL from Examiners in Chief.

MEASURING APPARATUS.

Application filed September 3, 1920, No. 408,091, for reissue of patent granted March 4, 1919, No. 1,295,842.

*Messrs. Cooper, Kerr & Dunham* for the applicant.

FENNING, *Assistant Commissioner:*

This is an appeal from the action of the Examiners in Chief affirming the Primary Examiner in rejecting claims 4 to 7, 9, and 11 to 14 of an application for reissue of Patent No. 1,295,842.

Accident, inadvertence, or mistake and timely filing of the application for reissue are admitted.

The invention of the patent relates specifically to a computing scale in which there is a cylinder which revolves and carries a plurality or series of progressive indications. At diametrically opposite points on the cylinder identical marks are carried, so that through proper viewing means one mark may be seen by a person on one side of the scale and an opposite corresponding or identical mark seen by a person on the other side of the scale. It has become desirable to place a large number of characters indicating weight and price on the cylinder to such an extent that the surface has been practically entirely covered. So that the scale may operate properly, it is desirable that the size and weight of the cylinder be kept as small as possible. Applicant has discovered that he can employ a single space for a plurality of indicating marks by having them superimposed and of different colors. For instance, a green "5" may be superimposed upon a red "3," and the combined mark when viewed through a green screen will read "5," but if viewed through a red screen will read "3."

Six claims have been allowed applicant pointing out in more or less detail his invention as applied to a cylinder of a scale.

The claims here in issue include:

4. In or for a measuring apparatus, a calibrated printed chart having a tabular set of inscriptions printed in one character or color, and superposed on the same a second or separate tabular set of inscriptions printed in a dissimilar character or color and in a predetermined relation to the first set.

6. A measuring apparatus comprising a calibrated chart relatively shiftable in accordance with the quantity measured and viewable by different lights and printed with two superposed systems of inscriptions of opposite colors, in combination with optical screens of corresponding colors adjacent the chart.

11. A measuring apparatus comprising in combination, a chart, an index cooperative with said chart, said chart and index being relatively movable, said chart being provided with a plurality of superimposed differently colored series of progressive indications, and means comprising a color filter for causing one of said series to become predominantly visible with respect to said index.

The references are: Smith, No. 998,414; Rawlings, No. 1,032,024; Lowenstein, No. 1,168,084.

[1] Smith does not relate to scales, but does show a calculating cylinder in which he proposes to have visible two adjacent numbers. He apparently prints his numbers in alternate rows of red and black. The red figure appears immediately above the black figure. His specification refers to the figures as being "superposed." They are not in fact such, since in no instance does his red figure occupy the same space as his black figure, and the figures do not overlie each other or overlap; one is merely printed in the space above the space occupied by the other. We can not take the term "superposed," which is misapplied, of Smith and use it as a verbal anticipation of the present claims, since we are dealing not with words, but with structures. This seems to have been admitted by the tribunals below.

[2] Lowenstein shows a signal specially intended, apparently, for automobile use, in which he shows superimposed or overlapping designs upon a plate or transparency, beneath which are two lamps. One design may be red, the other green, one lamp red, and the other green. Lowenstein thus accomplishes the economy in space applicant accomplishes, but he does not do it in a measuring

or calculating machine, nor had he before him the problem of applicant. I do not believe the art of Lowenstein is so close or analogous to the art of applicant as to preclude invention in transferring the idea from one art to the other.

[3] Rawlings is an advertising device in which a figure in red is superposed on a figure in green, and the device is provided with two transparent coverings, one red, and the other green, so that when the picture is properly placed there will be visible only the green marks or only the red marks. I do not think this art is near enough to applicant's art to be pertinent, nor had Rawlings applicant's problem before him.

It is noted that the claims here involved relate not to a scale, but to a measuring apparatus or to a chart. The title of applicant's patent for which he now asks a reissue is a "Measuring Apparatus," and he apparently is justified in asking for claims of this breadth. Economy of space in an ordinary measuring apparatus may be a matter of material moment.

Claim 4 of the original patent does not relate to a scale, but merely to a printed chart in a measuring apparatus. The present claims are within the scope of that claim, and hence should be allowed.

None of the claims of the original patent in terms calls for a stationary chart and a movable index; nor do they call for an index and chart being relatively movable. Each claim of the patent specifies a movable chart excepting claim 4, which merely specifies a printed chart without indicating that it is movable or that there is relative movement between it and the index. Applicant under these circumstances clearly is entitled to a claim broad enough to include relative movement between the chart and index, irrespective of whether the chart itself is the movable part, under the well known doctrine that there is ordinarily no patentable distinction in moving A and holding B stationary over moving B and holding A stationary. The claims will therefore be allowed.

After the argument on this appeal applicant submitted two additional claims, 16 and 17, drawn toward but somewhat narrower than claim 4 of the patent. These claims relate specifically to a scale. The amendment presenting them, therefore, will be entered and the claims allowed.

The Examiners in Chief are reversed.

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HULL *v.* PARADIS AND MCCOUBREY.

*Decided June 14, 1924.*

EQUITABLE ESTOPPEL—LACHES—COPYING CLAIMS FROM PATENT—CANCELLATION AND RESTORATION OF COPIED CLAIMS.

Where H. filed his application copying claims from P. and McC's. patent within two months after the grant of the patent, substituted differently-worded but commensurate claims to the same subject matter during prosecution of his application in response to rejections on P. and McC. and other patents without attempting to differentiate from P. and McC.'s patent, specifically stating that he made the invention prior to the filing of P. and McC.'s application, and where H. restored the claims of the patent four months after he had canceled them, but more than two years after the grant of P. and McC.'s patent, *Held* that H. was not estopped to make the claims of the patent.

Patent interference No. 48,980.

APPEAL from the Examiners in Chief.

VEHICLE BODIES.

Application of Mathew R. Hull filed January 2, 1920, Serial No. 349,015.

Patent granted to Lubin Paradis and Hammond B. McCoubrey November 11, 1919, No. 1,321,389, on an application filed February 14, 1918, Serial No. 217,454.

*Mr. Frank W. Woerner* and *Mr. Ernest W. Bradford* for Hull.

*Mr. Clyde L. Rogers* and *Messrs. Townshend & Townshend* for Paradis et al.

FENNING, *Assistant Commissioner:*

This is an appeal by the senior party Paradis et al. from the decision of the Examiners in Chief reversing the decision of the Examiner of Interferences.

The senior party brought a motion for judgment on the record on the ground that Hull is estopped from making the claims. This motion was granted by the Examiner of Interferences, who entered judgment awarding priority to the senior party. The Examiners in Chief held Hull not estopped and reversed the decision of the Examiner of Interferences. They found no basis for making an award to either party and specifically refrained from doing so. No appeal lies from their decision; but since they inadvertently set a time limit of appeal the instant appeal will be considered on its merits, especially since neither party objects to such procedure.

Paradis et al. have Patent No. 1,321,389 granted on November 11, 1919. Hull filed on January 2, 1920, his three original claims being copies of claims 2, 6, and 7 of the senior party's patent. The Examiner apparently did not notice that the claims were copied from the Paradis et al. patent, for he rejected them on another reference without mentioning said patent, requiring an affidavit under rule 94, or setting a time limit for reply under *Weber and Woodford*, 264 O. G. 863; 1919 C. D. 65. As the prosecution of the case progressed the Examiner also relied on additional references, including the Paradis et al. patent. Hull then canceled his original claims and substituted his present claims 1 and 2 on May 25, 1922. About four months later, on September 22, 1922, Hull restored his original claims as present claims 4, 5, and 6. The Examiner rejected claim 5 as not supported by Hull's disclosure, and set up the interference with claims 4 and 6 (the patentee's claims 2 and 7) as the issue.

The senior party urges that Hull is estopped from making the claims under the doctrine of *Chapman et al.* v. *Wintroath*, 272 O. G. 913; 1920 C. D. 465; 252 U. S. 126. Hull presented the patentee's claims within two months from the grant of the patent. He has been asserting his right to these claims continuously since that date, with the exception of the period of about four months between May 25, 1922, when he canceled them, and September 23, 1922, when he reinstated them. If he had other commensurate claims to the same subject matter during this period, it is clear that he is not estopped under the *Chapman et al.* v. *Wintroath* doctrine (*Ex parte Hanson*, 26 O. G. 201; 1919 C. D. 33, and *Chapman* v. *Beede*, 323 O. G. 230). I am satisfied that claims 1 and 2 are such claims. While worded slightly different from the issue, they are directed to the same subject matter. When Hull canceled his original claims on May 25, 1922, and presented present claims 1 and 2 as substitutes therefor, he made no attempt to differentiate claim 1 from the senior party's patent, but did specifically state that he made the invention prior to the filing date of the application on which the senior party's patent was granted. He has shown no intention of acknowledging any prior rights in the senior party.

It is obvious that Hull can not have a patent for claims 1 and 2 unless he proves that he made the invention prior to the senior party. These claims do not differ patentably from the invention claimed by Paradis and McCoubrey, and they appear to read directly on the patented device. It is believed that Hull has had claims commensurate with the patent claims continuously since he filed his application, which was within two months after the grant of the patent.

The decision of the Examiners in Chief is affirmed, and the Examiner of Interferences is instructed to set new dates for the taking of testimony.

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PLUMSTEAD *v.* BRADLEY AND MCKEEFE.

*Decided December 2, 1924.*

INTERFERENCE—RULE 128—DISCOVERY OF REFERENCE AFTER JUDGMENT ON THE RECORD.

Where the Primary Examiner discovers a reference after judgment of priority on the record, the question of the applicability of the reference should not be considered inter partes under rule 128, but after the judgment becomes final the Primary Examiner should take the matter up ex parte in the application of the winning party.

[Note.—In this case an order to show cause why judgment on the record should not be entered against P. was issued June 28, 1924. On July 30 judgment on the record was rendered in favor of B. and McK. On August 5 the Examiner recommended that the Law Examiner consider the patentability of the reference under rule 128, and on August 9 the Law Examiner requested jurisdiction for that purpose. Proceedings were suspended and the case was transmitted to him on August 12, and a day for hearing was set. On petition by B. and McK. the actions of the Examiner of Interferences and the Law Examiner suspending the interference and granting a hearing were set aside. The present decision is on a petition by P. for reconsideration.]

Patent interference No. 50,976.

ON PETITION.

COOKING LIQUOR.

Patent granted Joseph E. Plumstead April 1, 1924, No. 1,488,830, on application filed January 18, 1924, No. 687,133; division of application filed April 18, 1923, No. 632,927.

Application of Linn Bradley and Edward P. McKeefe filed April 10, 1924, No. 705,711; division of application filed March 28, 1921, No. 456,187.

*Messrs. Spear, Middleton, Donaldson & Hall* for Plumstead.

*Messrs. Pennie, Davis, Marvin & Edmonds* for Bradley and McKeefe.

FENNING, *Assistant Commissioner:*

Rule 128 provides that after a reference is called to his attention the Law Examiner "may" request the suspension of the interference until the final determination of the pertinence and effect of the reference. If the Law Examiner asks for jurisdiction and sets a hearing, it would certainly be within the jurisdiction of the Commissioner under his supervisory authority to vacate that hearing, there being no mandatory rule requiring the hearing to be had.

If the Law Examiner had refused to set the hearing, because priority had been awarded, no court would issue a mandamus requiring the Office to set a hearing.

It is to be noted in the present case that Plumstead was under an order to show cause, and no good reason is seen why the Primary Examiner or the Law Examiner did not let the question of the reference wait over until after formal judgment was entered against Plumstead and the decision had become final. The Primary Examiner could then have taken the matter up ex parte with Bradley and McKeefe.

Being of the opinion that no hearing should be set for the consideration of a reference after a judgment of priority, I directed that the order of the Law Examiner setting a hearing be vacated. Upon further consideration I am of the opinion that this was the proper action, and the petition of Plumstead filed November 29, 1924, is denied.

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## PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

892,603, Luther & Volck, Making arsenate of lead, suit filed July 6, 1925, D. C., E. D. Pa., Doc. 3393, *California Spray Chemical Co.* v. *J. Lucas & Co.*

908,236, R. C. Frampton, Burner, suit filed Aug. 11, 1925, D. C., E. D. Pa., Doc. 3413, *Pittsburgh Water Heater Co.* v. *The Sands Mfg. Co. et al.*

958,478, W. E. Davey, Process of reenforcing trees, suit filed July 14, 1925, D. C., E. D. Pa., Doc. 3397, *The Davey Tree Expert Co.* v. *J. B. Henkels, jr., (Henkels & McCoy)*.

1,050,441(*a*), R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system; 1,342,885, same, Method of receiving high-frequency oscillations, suits filed Aug. 20, 1925, D. C., N. D. Calif., Doc. E 1539, *Westinghouse Electric & Mfg. Co.* v. *Hesson & Bosserman (Bosser-*

*man Radio Laboratories*), and Doc. E 1540, *Westinghouse Electric & Mfg. Co.* v. *Pape & Payne* (*Kustombilt Radio Mfg. Co.*). Consent decrees sustaining plaintiff as true owner of patents, holding them valid and infringed, and perpetually enjoining defendant (notice dated Aug. 26, 1925), and Doc. E 1538, *Westinghouse Electric & Mfg. Co.* v. *H. T. Ailor* (*Radio Den*).

1,050,441(*b*), R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system, final consent decree sustaining patents and granting injunction (notice dated Aug. 26, 1925), D. C., S. D. N. Y., Doc. E 32/208, *Westinghouse Electric & Mfg. Co. et al.* v. *Haynes-Griffin Radio Service, Inc.*

1,050,728. (See 1,050,441 (*a*) and (*b*).)

1,060,190, 1,072,471, Kellner & Worms, Knitted necktie; 1,072,734, same, Process of knitting bias lace knitted neckties; 1,072,856, same, Process of knitting neckties and scarfs; 1,073,050, same, Bias lace knitted necktie; 1,103,589, same, Knitted fabric, suit filed Aug. 20, 1925, D. C., S. D. N. Y., Doc. E 33/87, *Franklin Knitting Mills, Inc.*, v. *Berkley Knitting Co.*

1,060,498, E. J. Ruckstuhl, Cane-juice separator, suit filed Aug. 13, 1925, D. C., E. D. La., Doc. 18102, *Louise Maurer* v. *H. L. Laws & Co.*

1,072,471. (See 1,060,190.)

1,072,734. (See 1,060,190.)

1,072,856. (See 1,060,190.)

1,073,050. (See 1,060,190.)

1,103,589. (See 1,060,190.)

1,113,149. (See 1,050,441 (*a*) and (*b*).)

1,127,660, J. H. McMichael, Method of and apparatus for transporting and treating concrete, final consent decree sustaining patent and granting injunction, referred to master (notice dated Aug. 21, 1925), D. C., S. D. N. Y., Doc. E 26/325, *Concrete Mixing & Conveying Co.* v. *Ulen Contracting Corp. et al.*

1,204,658, H. C. Gibson, Wheel, suit filed July 11, 1925, D. C., E. D. Pa., Doc. 3395, *H. C. Gibson* v. *Firestone Tire & Rubber Co.*

1,245,449, E. Edelmann, Syringe-hydrometer housing; 1,262,478, F. L. Freas, Hydrometer syringe, suit filed July 23, 1925, D. C., E. D. Pa., Doc. 3403, *E. Edelmann & Co.* v. *A. Hamilton Glass Instrument Co.*

1,262,478. (See 1,245,449.)

1,342,885. (See 1,050,441 (*a*).)

1,404,369, F. C. Chapman, Dehydrator, decree pro confesso holding patent valid and sustaining patent rights of plaintiff, permanent injunction issued against C. E. Jackson (notice dated Aug. 20, 1925), D. C., N. D. Calif., Doc. E 1448, *F. C. Chapman* v. *C. E. Jackson et al.*

1,464,514, C. W. Terry, Battery-testing instrument, final decree for plaintiff for an injunction Aug. 3, 1925, D. C. Mass., Doc. E 1926, *Mann & Briggs Mfg. Co. et al.* v. *Burton Rogers Co.*

1,498,196, L. G. Pacent, Electric plug, suit filed Aug. 25, 1925, D. C., S. D. N. Y., Doc. E 33/130, *Pacent Electric Co., Inc.*, v. *Interocean Radio Corp.*

1,547,003, M. Schwartz, Bushing structure, suit filed Aug. 25, 1925, D. C., N. D. Ohio (W. Div.), Doc. E 585, *American Flange & Mfg. Co. et al.* v. *American Steel Package Co.*

Des. 66,700, J. Novin, Lighting fixture; Des. 67,298, same, Chandelier, final consent decree sustaining patent and granting injunction (notice dated Aug. 21, 1925), D. C., S. D. N. Y., Doc. E 32/394, *The Centre Lighting Fixture Mfg. Co.* v. *Royal Metal Lighting Fixture Co., Inc.*

Des. 67,298. (See Des. 66,700.)

## ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,444,836, H. Horig, Ignition system for internal-combustion engines and the like purposes, decided September 24, 1925, claim 9.

Pat. 1,491,907, O. C. Goeriz, Water-turbine draft tube, decided September 18, 1925, claims 1 to 8, inclusive.

Pat. 1,525,827, D. C. Prince, Production of alternating currents, decided October 3, 1925, claims 1 to 4, inclusive.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 37,662, Soap and certain named toilet preparations, A. T. Wood, Detroit, Mich. Registered January 21, 1902. Decided October 3, 1925.

T. M. 124,508, Certain named foods, California Ripe Olive Co., San Francisco, Calif. Registered February 25, 1919. Decided September 18, 1925.

T. M. 127,467, Candy, The O-H Company, New York, N. Y. Registered November 11, 1919. Decided October 3, 1925.

T. M. 128,267, Certain named foods, Sunical Packing Company, Oroville, Calif. Registered December 30, 1919. Decided September 18, 1925.

T. M. 128,268, Certain named foods, Sunical Packing Company, Oroville, Calif. Registered December 30, 1919. Decided September 18, 1925.

T. M. 128,269, Certain named foods, Sunical Packing Company, Oroville, Calif. Registered December 30, 1919. Decided September 18, 1925.

## TRADE-MARKS CANCELED.

129,616. Certain named toilet preparations. George H. Betts, New York, N. Y. Registered March 9, 1920. Canceled October 15, 1925.

144,201. Leather belts for supporting wearing apparel. Miller & Gleason, Newport News, Va. Registered June 28, 1921. Canceled October 26, 1925.



157,288. Electric signal lamps. Standard Auto Parts Co. of America, Newark, N. J. Registered July 25, 1922. Canceled October 20, 1925.

161,871. Asphalt shingles. Ford Roofing Products Co., Chicago, Ill. Registered November 21, 1922. Canceled October 26, 1925.

191,992. Hair tonic or scalp lotion. Kelly Brothers, New Lexington, Ohio. Registered November 25, 1924. Canceled October 15, 1925.

## Disclaimers.

1,483,379.—*William M. Reed*, Louisville, Ky. AIR FILTERING AND CLEANING DEVICE. Patent dated February 12, 1924. Disclaimer filed October 9, 1925, by the assignee, *Reed Air Filter Company*.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

"10. An air filtering and cleaning device comprising a casing open at front and back; a filter unit including a frame and a fibrous filling mass removably mounted in said casing; and a series of screens removably mounted on said casing spaced from and overlying said unit on the intake side of said frame."

1,058,210.—*Allie Ray Welch and Fred Stimson Welch*, Pontiac, Mich. METHOD OF FINISHING CASTINGS. Patent dated April 8, 1913. Disclaimer filed October 19, 1925, by the assignee, *American Plug Company*.

Hereby enters this disclaimer to restrict and limit the terms of the specification and claims.

And your petitioner hereby disclaims from the process covered by said patent, any process which embodies as a step the forming of an undercut shoulder to extend over the edge of the disk to hold it in position after it has been spread on the shoulder, such as shown and described by United States Letters Patent to H. R. Towne, No. 879,694, granted February 18, 1908, and limits the process to closing a hole in a casting by enlarging the outer end of the hole so as to form a shoulder between said outer end and the inner end, the enlarged end of the hole being cylindrical and of no greater diameter immediately adjacent the shoulder than at any point more remote therefrom, placing a concaved disk having a substantially cylindrical edge on said shoulder and flattening said disk so as to force its edge against the cylindrical wall of said enlarged portion of the hole with sufficient pressure to firmly hold the disk in position by reason of the fit of the disk in said hole.

And your petitioner hereby limits and confines the claims of said Letters Patent to a process as described therein in which the enlarged portion of the hole is of minimum diameter adjacent the shoulder and the disk is held in position by its pressure and fit against the wall of the enlarged portion of the hole adjacent the shoulder.

1,472,014.—*Stephen J. Clulee*, Attleboro, Mass. TEMPLE-BAR CONSTRUCTION. Patent dated October 23, 1923. Disclaimer filed October 15, 1925, by the assignee, *Bay State Optical Co.*

The word "flexible" as used throughout the claims, and specifically claims 2, 3, 4, 7, 8, 9, and 10, is liable to too broad an interpretation, and, so interpreted, to cover elements not intended to be covered by this term, the liability to such possible interpretation not being intended or foreseen and thus being accidental, and it is hereby stated that the said term "flexible" as thus used means nonsolid and self-adjusting and having an ease of flexing of the order of that of a coiled member; and the term "flexed" as used in claim 7 implies flexibility as above defined, and any broader meaning or interpretation of such terms is hereby disclaimed.

Further to clarify the term "flexible," not only in its intrinsic meaning, but with relation to the "main body portion," and to restrict the latter term and disclaim possible unduly broad interpretation thereof, it is hereby stated that by the term "main body portion" as used throughout the claims is meant a member large in circumference and relatively nonflexible as a whole, as compared with the flexible metallic extension, and of a circumference substantially equal to or larger than the entire extension, metallic and nonmetallic, and a broader interpretation or meaning of the said term is hereby disclaimed.

1,527,118.—*Stephen J. Clulee*, Attleboro, Mass. EYEGLASS CONSTRUCTION. Patent dated February 17, 1925. Disclaimer filed October 15, 1925, by the assignee, *Bay State Optical Co.*

The word "flexible" as used throughout the claims, and specifically claims 1, 2, 5, 6, 9, 12, 13, 14, 15, 16, 17, 19, 20, 23, 25, and 26, is liable to too broad an interpretation, and, so interpreted, to cover elements not intended to be covered by this term, the liability to such possible interpretation not being intended or foreseen and thus being accidental, it is hereby stated that the said term "flexible" as thus used means nonsolid and self-fitting and having an ease of flexing of the order of that of a coiled member, and any broader meaning or interpretation of such term is hereby disclaimed.

Further to clarify the term "flexible," not only in its intrinsic meaning, but with relation to the "main body portion," and to restrict the latter term and disclaim possible unduly broad interpretation thereof, it is hereby stated that by the term "main body portion" as used throughout the claims, and specifically claims 12, 13, 14, 15, 16, 17, 19, 20, 24, 25, 26, 27, 28, 29, and 30, is meant a member large in circumference and relatively nonflexible as a whole, as compared with the flexible metallic extension, and of a circumference substantially equal to or larger than the entire extension, metallic and nonmetallic, and a broader interpretation or meaning of the said term is hereby disclaimed.

## Adhesion of Australia to International Convention for the Protection of Industrial Property.

The following communication, referred to this Office by the Secretary of Commerce, is published for the information of those concerned:

DEPARTMENT OF STATE, *Washington, Oct. 8, 1925.*

The honorable the SECRETARY OF COMMERCE.

SIR: I have the honor to enclose for the information of the Commissioner of Patents a translation of a note from the chargé d'affaires ad interim of Switzerland, notifying the Government of the United States that the Commonwealth of Australia has adhered to the Convention signed at Washington on June 2, 1911, amending the International Convention for the Protection of Industrial Property, signed at Paris on March 20, 1883, and revised at Brussels on December 14, 1900, and that the Commonwealth of Australia wishes to be considered as a contracting country in the Union for the Protection of Industrial Property to which it had, as a colony, adhered as early as August 5, 1907.

The attention of the Commissioner of Patents is invited to the statement of the chargé d'affaires, that as a consequence of the adherence of the Commonwealth of Australia all the contracting countries are now governed by the one text of the Convention revised at Washington in 1911, and that, therefore, the situation due to that Commonwealth remaining heretofore bound only by the Paris Convention of 1883, as revised at Brussels in 1900, has come to an end.

I have the honor to be, sir, your obedient servant.

For the Secretary of State:
J. BUTLER WRIGHT,
*Assistant Secretary.*

Enclosure: From chargé d'affaires ad interim of Switzerland, September 25, 1925.

LEGATION OF SWITZERLAND,
*Washington, D. C., Sept. 25, 1925.*

MR. SECRETARY OF STATE.

By notes of July 30, and August 20, last, the legation of His Britannic Majesty informed the Swiss Federal Council that the Government of the Australian Federation (Commonwealth of Australia) gives its adhesion to the Convention signed in Washington on June 2, 1911,

which Convention amends the Union Convention of Paris of March 20, 1883, for the protection of industrial property, revised at Brussels on December 14, 1900, and wishes to be considered as a contracting country in the Industrial Union to which it had, as a colony, adhered as early as August 5, 1907.

In accordance with article 13 of the Union Convention, the Australian Government asks to be placed in the third class with regard to the contribution to the expenses of the International Bureau.

I have the honor to bring the foregoing communication to Your Excellency's knowledge. It affords pleasure to the Federal Council to note in this connection that as a consequence of the adhesion under consideration all the contracting countries are now governed by the one text of the Union Convention revised at Washington in 1911, and thereby the régime which was still alive on account of the Australian Federation, remaining heretofore bound by the Convention of Paris of 1883, as revised at Brussels in 1900, alone, has finally come to an end.

Be pleased to accept, Mr. Secretary of State, et cetera.

GIRARDET,
*Chargé d'Affaires ad interim of Switzerland.*

His Excellency Mr. FRANK B. KELLOGG, Secretary of State, Washington, D. C.

## Adhesion of Turkey to International Convention for the Protection of Industrial Property.

The following communication, referred to this Office by the Secretary of Commerce, is published for the information of those concerned:

DEPARTMENT OF STATE,
*Washington, Sept. 29, 1925.*

The honorable the SECRETARY OF COMMERCE.

SIR: I have the honor to enclose for the information of the Commissioner of Patents a translation of a note from the chargé d'affaires ad interim of Switzerland, concerning the adherence of the Turkish Government to the International Convention for the Protection of Industrial Property, signed at Paris on March 20, 1883, and revised at Washington on June 2, 1911, and to the arrangement relating to the international registration of trade-marks, signed at Madrid on April 14, 1891, revised in Brussels on December 14, 1900, and in Washington on June 2, 1911.

I have the honor to be, sir, your obedient servant.

For the Secretary of State:
J. BUTLER WRIGHT,
*Assistant Secretary.*

Enclosure: From chargé d'affaires ad interim of Switzerland, September 25, 1925.

LEGATION OF SWITZERLAND,
*Washington, Sept. 25, 1925.*

MR. SECRETARY OF STATE:

By notes of August 6 and 22 last and of the 1st instant, the Legation of Turkey informed the Swiss Federal Council that under the provisions of the Commercial Convention annexed to the Lausanne Peace Treaty, the Turkish Government adheres to the International Convention of Paris of March 20, 1883, revised in Washington on June 2, 1911, for the protection of industrial property, and also to the arrangement relative to the international registration of trade-marks, signed at Madrid on April 14, 1891, revised in Brussels on December 14, 1900, and in Washington on June 2, 1911. With respect to its contribution to the expenses of the International Bureau, the Turkish Government expressed a wish to be put in the fourth class.

In accordance with article 16, paragraph 3, of the Union Convention, the said adhesions will take effect one month after the sending of this notice, that is to say, on and after the 10th of October, 1925.

I have the honor to be, your excellency, et cetera.

GIRARDET,
*Chargé d'Affaires ad interim of Switzerland.*

His Excellency Mr. FRANK B. KELLOGG, Secretary of State, Washington, D. C.

## Notice of Publication.

U. S. PATENT OFFICE, *Washington, Oct. 19, 1925.*

*Home Art Masters, Inc., its assigns or legal representatives, take notice:*

An application was filed in this Office by the Library Bureau, of Cambridge, Mass., for cancellation of trade-mark registration No. 97,675, issued June 16, 1914, to Louise Brigham, of 546 East Eighty-ninth Street, New York, N. Y. The assignment records of this Office show a transfer of title of this registration to the Home Art Masters, Inc., a corporation of New York. Since the Office has been unable to obtain the post-office address of the Home Art Masters, Inc., the proceeding can not be instituted. Therefore notice is hereby given that unless said Home Art Masters, Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

## Interference Notices.

U. S. PATENT OFFICE, *Washington, Oct. 20, 1925.*

*Harry Leigh Curran, his assigns or legal representatives, take notice:*

An interference has been declared by this Office between applications for patents filed by Louis Carrol Howard, of 612 West One hundred and eighty-fourth Street, New York, N. Y., and Harry Leigh Curran, of 244 West Seventy-sixth Street, New York, N. Y. Counsel for Curran states that the present whereabouts of Curran is unknown to him. Notice is hereby given that unless said Curran, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Oct. 17, 1925.*

*International Shade Co., its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of the Incandescent Supply Company, 468 West Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered June 24, 1918, No. 92,222, to the International Shade Co., 46 Harrison Avenue, Springfield, Mass., and a notice of such declaration sent by registered mail to said International Shade Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said International Shade Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Oct. 15, 1925.*

*Arondack Spring Company, its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of David J. Fitzgerald, jr., 32 Glen Street, Glens Falls, N. Y., for registration of a trade-mark and trade-mark registered October 9, 1906, No. 56,581, to Arondack Spring Company, Saratoga Springs, N. Y., and a notice of such declaration sent by registered mail to said Arondack Spring Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Arondack Spring Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

# TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 10, 1925.

[VOL. 340. No. 2.]

**The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.**

**Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.**

**As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.**

Ser. No. 166,896. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL EGG PRODUCTS COMPANY, Los Angeles, Calif. Filed July 14, 1922.

WHIPP-ITT

*Particular description of goods.*—Powder for Making Marshmallows.

*Claims use* since June 14, 1924.

Ser. No. 181,653. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SOCIÉTÉ FRANÇAISE TUBOGOLNIK, Levallois-Perret, France. Filed June 7, 1923.

1860
T.P.A.P.M.
СПЕТЕРБУРГЪ.

*Particular description of goods.*—Rubber Bulbs, Rubber Water Bottles, Rubber Syringes, Rubber Air Cushions, Rubber Tubs, Rubber Tubing, Rubber Gloves, and Dental Rubber, All of the Foregoing Articles Being for Surgical, Dental, or Invalid Use.

*Claims use* since January, 1888.

Ser. No. 183,260. (CLASS 15. OILS AND GREASES.) DORN OIL COMPANY, Cleveland, Ohio. Filed July 16, 1923.

Rapid

*Particular description of goods.*—Gasoline and Kerosene.

*Claims use* since Jan. 1, 1923.

Ser. No. 183,363. (CLASS 15. OILS AND GREASES.) CENTRAL COMMERCIAL COMPANY, Chicago, Ill. Filed July 18, 1923.

STASO

*Particular description of goods.*—Oils and Greases—Namely, Gasoline, Naphtha, Kerosene, Fuel Oil, Flux Oil, Transmission Oil, Motor Oil, Engine Oil, Harvester Oil, Tractor Oil, Lubricating Grease, and Thread-Cutting Oil.

*Claims use* since Jan. 23, 1923.

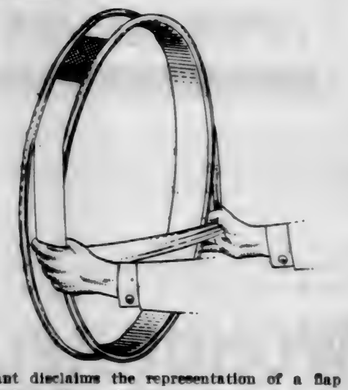
Ser. No. 183,455. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCARAMELLI & COMPANY, INC., doing business as Serto Packing Co., New York, N. Y. Filed July 19, 1923.

SERTO

*Particular description of goods.*—Food Products—Namely, Canned Fruits, Canned Vegetables, Canned Fish, Tomato Sauce, and Olive Oil.

*Claims use* since 1914.

Ser. No. 193,118. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) NORTH EASTERN RUBBER CO., Elisabeth, N. J. Filed Mar. 1, 1924.



Applicant disclaims the representation of a flap and rim apart from the mark as shown.

*Particular description of goods.*—Flaps for Automobile Rims.

*Claims use* since January, 1922.

Ser. No. 194,478. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) A. R. PURDY COMPANY, INC., New York, N. Y. Filed Mar. 26, 1924.

PLANET

*Particular description of goods.*—Annealed Cutter Blanks, Alloy Steels, Tool and Drill Steels, Annealed Punch and Die Steels, Spring and Machinery Steels, Coppered Bessemer Rods; Pick, Wedge, and Hammer Steels; Sheet Steel for all Uses, Music Wire for Springs, Oil-Tempered Spring Wire, Cold-Rolled Steel, High-Speed Steel, Forgings, and Drill Rods.
*Claims use* since January, 1911.

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Ser. No. 197,163. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NEW JERSEY MOTORS, INC., Keyport, N. J. Filed May 16, 1924.

NJM

*Particular description of goods.*—Internal-Combustion Engines and Parts Thereof.
*Claims use* since August, 1921.

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Ser. No. 200,123. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. B. SCULLY SYRUP CO., Chicago, Ill. Filed July 16, 1924.

LUSHUS FRUIT PRESERVES

No claim is made to the words "Lushus Fruit Preserves" apart from the mark as shown in the drawing.
*Particular description of goods.*—Fruit Preserves.
*Claims use* since May 28, 1924.

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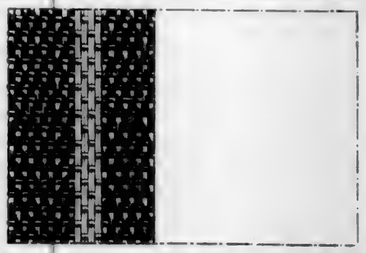
Ser. No. 201,586. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSIE B. SAMPLE, Eudora, Ark. Filed Aug. 18, 1924.

WONDERFUL

*Particular description of goods.*—Hairdressing Such as Pressing Oil or a Hair Grower.
*Claims use* since Jan. 23, 1918.

Ser. No. 201,635. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WESTERLY TEXTILE COMPANY, Westerly, R. I. Filed Aug. 19, 1924.



The representation of the goods apart from the mark shown by the drawing is disclaimed. The mark consists of woven threads of white or silver artificial silk of a stripe comprising the trade-mark.
*Particular description of goods.*—Draperies and Dress Goods.
*Claims use* since about Feb. 1, 1924.

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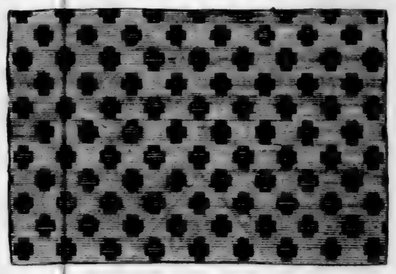
Ser. No. 202,257. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LEWIS MANUFACTURING COMPANY, Walpole, Mass., assignor, by mesne assignments, to First National Bank of Boston, Boston, Mass., a Corporation of Massachusetts, and Olaf Olsen, Milton, Mass., trustees. Filed Sept. 5, 1924.



*Particular description of goods.*—Absorbent Gauze, Absorbent Cotton, Absorbent Waste Cotton, Sterilized Gauze, Bandages, Bandage Rolls, and Adhesive Plasters.
*Claims use* since about Mar. 15, 1920.

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Ser. No. 202,609. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Sept. 15, 1924. Under section 5b of the act of 1905 as amended in 1920.

BRUNSWICK

*Particular description of goods.*—Bowling-Alley Pin Setters and Supplies and Equipment Therefor.
*Claims use* since Aug. 1, 1924.

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Ser. No. 203,003. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Sept. 24, 1924.

APOTHESINE

Trade-mark consists of the word "Apothesine."
*Particular description of goods.*—Anæsthetics.
*Claims use* since July 1, 1917.



Ser. No. 203,332. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEFA PIETRA SANTA GRISI, Mexico, Mexico. Filed Oct. 2, 1924.

José Grisi

The name "Jose Grisi" is disclaimed except in the manner shown. It is a facsimile signature of Jose Grisi (deceased), the originator of the product to which the trade-mark is applied.
*Particular description of goods.*—Medicinal Plaster for the Treatment of Wounds, Sores, and the Like Conditions.
*Claims use* since 1874.

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Ser. No. 203,840. (CLASS 37. PAPER AND STATIONERY.) HERBERT O. ROSS, St. Louis, Mo. Filed Oct. 13, 1924.

Handifax

*Particular description of goods.*—Card Systems, Indexing Systems, Record Systems, and Filing Systems and Materials and Equipment Therefor—Namely, Indicators, Individual and Class Distinguishers, Tabs, Cards, and Holders, or Containers, to Which Cards or Record Sections are to be Attached.
*Claims use* since Sept. 1, 1924.

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Ser. No. 203,981. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOUTHERN LABORATORIES, INC., West Point, Va. Filed Oct. 16, 1924.

VITAKOL

*Particular description of goods.*—Preparation for External Application in Relieving Fatigue and Soreness and for Use in Bathing.
*Claims use* since Apr. 15, 1924.

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Ser. No. 205,223. (CLASS 39. CLOTHING.) NU-WAY SHOE CO., New York, N. Y. Filed Nov. 13, 1924.

Nu-Way

*Particular description of goods.*—Shoes Made of Leather, Rubber, Fabric, and Combinations of the Same and Also of Various Compositions in Part and as a Whole.
*Claims use* since August, 1919.

Ser. No. 206,242. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KWIK-KUT KNIFE COMPANY, St. Louis, Mo. Filed Dec. 4, 1924.

KWIK-KUT

*Particular description of goods.*—Pocket, Desk, or Sewing-Basket Knife.
*Claims use* since Oct. 20, 1921.

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Ser. No. 206,828. (CLASS 32. FURNITURE AND UPHOLSTERY.) M. S. CROW, INC., Shanghai, China; Chicago, Ill.; and Santa Barbara, Calif. Filed Dec. 17, 1924.

*Particular description of goods.*—Shensi Chests and Lacquered Chairs and Tables for Household Use.
*Claims use* since June 1, 1921.

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Ser. No. 206,905. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KLEINBERGER & COMP. AKTIENGESELLSCHAFT, Duisburg, Germany. Filed Feb. 6, 1925.

Autodoktor

*Particular description of goods.*—Liquid Automobile Polishes.
*Claims use* since July 9, 1924

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Ser. No. 207,025. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MORNANITE LABORATORIES, Brooklyn, N. Y. Filed Dec. 20, 1924.

THE
MORNANITE
DENTIFRICES

No claim is made to the exclusive use of the word "Dentifrices" apart from the mark shown in the drawing.
*Particular description of goods.*—Dentifrices.
*Claims use* since Dec. 8, 1924.

Ser. No. 207,240. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 26, 1924.

RELIANCE

*Particular description of goods.*—Inner Tubes for Pneumatic Vehicle Tires, said Inner Tubes being Composed Wholly or in Part of Rubber.
*Claims use* since Jan. 20, 1924.

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Ser. No. 207,412. (CLASS 39. CLOTHING.) JACOB KOHN, doing business as Standard Textile Company, Memphis, Tenn. Filed Dec. 29, 1924.

*Particular description of goods.*—Work Shirts (Men's).
*Claims use* since Sept. 1, 1924.

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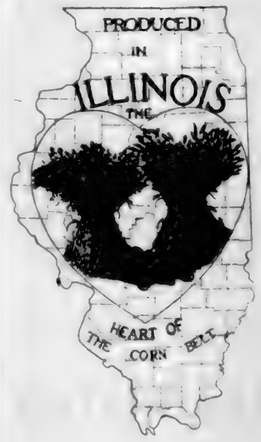
Ser. No. 207,513. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PARAGON PAINT & VARNISH CORPORATION, Long Island City, N. Y. Filed Dec. 31, 1924.

Applicant disclaims exclusive right to the use of the words "Paragon Paint & Varnish Corp." apart from the mark as shown.
*Particular description of goods.*—Ready-Mixed Paints and Varnishes.
*Claims use* since July 1, 1924.

Ser. No. 207,680. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ILLINOIS CROP IMPROVEMENT ASSOCIATION, Urbana, Ill. Filed Jan. 5, 1925.




No exclusive claim is made to the map apart from the mark shown nor to the words "Produced in Illinois."
*Particular description of goods.*—Field Seeds.
*Claims use* since Aug. 1, 1921.

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Ser. No. 207,696. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SWIFT AND COMPANY, Chicago, Ill. Filed Jan. 5, 1925.

No claim is made to the exclusive right to use the words "Limpiador, Domestico" apart from the mark shown.
*Particular description of goods.*—Scouring Powder.
*Claims use* since Aug. 1, 1920.



Ser. No. 207,788. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. W. JOSLYN, Racine, Wis. Filed Jan. 7, 1925.

*Particular description of goods.*—Toilet Preparations—Namely, Creams, Toilet Powders, Talcums, Rouge, Lip Sticks, Eyebrow Pencils, Tooth Paste, and Perfumes.
*Claims use* since June, 1924.

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Ser. No. 208,629. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. E. ZUMBUHM & Co., Chicago, Ill. Filed Jan. 24, 1925.

The descriptive words "Little Swiss" do not form a part of the mark sought to be registered apart from the mark shown in the drawing.
*Particular description of goods.*—Imported Swiss Gruyère Cheese.
*Claims use* since Sept. 27, 1924.

Ser. No. 208,889. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMBOY MILK PRODUCTS CO., Amboy, Ill. Filed Jan. 31, 1925.

THE
"AM BOY"

*Particular description of goods.*—Evaporated Milk.
*Claims use* since Jan. 12, 1925.

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Ser. No. 208,956. (CLASS 39. CLOTHING.) BURGESS-JOHNSON-WEBB CORPORATION, doing business as Marva Garment Company, Kansas City, Mo. Filed Feb. 2, 1925.

MARVA

*Particular description of goods.*—Women's Dresses.
*Claims use* since Dec. 19, 1924.

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Ser. No. 209,521. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) P. B. YATES MACHINE COMPANY, Beloit, Wis. Filed Feb. 12, 1925.

YATES STEEL

The words "Yates" and "Steel" are disclaimed apart from the mark as shown.
*Particular description of goods.*—Knives for Woodworking.
*Claims use* since Jan. 24, 1925.

Ser. No. 210,296. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE FIBERLOID CORPORATION, Indian Orchard, Springfield, Mass. Filed Feb. 28, 1925.

**Diana**

*Particular description of goods.*—Mirrors.
*Claims use* since Feb. 18, 1925.

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Ser. No. 210,544. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) FORHAN COMPANY, New York, N. Y. Filed Mar. 5, 1925.

Forhan's Tooth Brush

R. J. Forhan D.D.S.

Applicant disclaims the exclusive right to the use of the words "Tooth Brush" apart from the mark shown. The name "R. J. Forhan, D. D. S." is a facsimile signature of the president of the applicant corporation.
*Particular description of goods.*—Toothbrushes.
*Claims use* since Jan. 20, 1925.

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Ser. No. 210,941. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOLO A.-G., (WOLO LTD.), Zurich, Switzerland. Filed Mar. 12, 1925.

"CORYZOL"

*Particular description of goods.*—Remedy for Acute Catarrh of the Nose and Throat.
*Claims use* since 1909.

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Ser. No. 210,944. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOLO A.-G., (WOLO LTD.), Zurich, Switzerland. Filed Mar. 12, 1925.

Lacpinin-Balsam

The word "Balsam" is disclaimed apart from the mark on the drawing.
*Particular description of goods.*—Bath Preparation of Green Pine Needles for Application in the Following Instances: Physical and Mental Overwork, Neurasthenia, Assimilation Diseases Such as Gout, Rheumatism, and Heart Diseases, and Also an Essence for Use in Cosmetics and Perfumery.
*Claims use* since 1909.

Ser. No. 211,357. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., Louisville, Ky. Filed Mar. 20, 1925.

GRAND SLAM

*Particular description of goods.*—Sporting Goods—Namely, Golf Clubs, Both Wooden and Iron; Golf Balls, and Baseball Bats.
*Claims use* since June, 1924.

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Ser. No. 211,492. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RICH TOOL COMPANY, Chicago, Ill. Filed Mar. 23, 1925.

The words "Tungsten Valves" and the representation of a valve are not claimed apart from the mark shown.
*Particular description of goods.*—Poppet Valves for Internal-Combustion Engines.
*Claims use* since Jan. 15, 1914.

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Ser. No. 211,508. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WELDON MANUFACTURING COMPANY, Grand Rapids, Mich. Filed Mar. 23, 1925.

**WELDON**

*Particular description of goods.*—Portable Fire Extinguishers.
*Claims use* since 1907.



Ser. No. 212,342. (CLASS 39. CLOTHING.) DAVID MELNICK, doing business as Rosalyn Manufacturing Co., Sidney, N. Y. Filed Apr. 7, 1925.

The word "Brand" which appears on the drawing is disclaimed apart from the mark as shown.
*Particular description of goods.*—Ladies' and Misses' Silk and Cotton Underwear, Consisting of Chemise, Step-ins, Bloomers, Vests, Nightgowns, Pyjamas, Princess Slips, Kimonos, and Bath Robes.
*Claims use* since 1920.

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Ser. No. 212,667. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENDIX & FIBER, INC., New York, N. Y. Filed Apr. 14, 1925.

**HONEY CREPE**

The word "Crêpe" is disclaimed apart from the mark shown.
*Particular description of goods.*—Silk Piece Goods.
*Claims use* since Mar. 28, 1925.

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Ser. No. 212,774. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AMERICAN BLOWER COMPANY, Detroit, Mich. Filed Apr. 16, 1925.

"Sirocco"
TRADE MARK

The exclusive right to the words "Trade Mark" is disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Coal, Gas, and Oil Burning Stoves, Furnaces, and Heaters for Heating and Mechanical Draft Forges; Steam Boilers, Steam Engines, Steam Traps, Separators, Furnace Draft Apparatus, Ventilating Fans, Ventilating Apparatus; Heating, Ventilating, and Drying Systems; and Interchangers and Economizers for Effecting Transfer of Heat.
*Claims use* since prior to 1880.

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Ser. No. 212,823. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WALTER D. MOLBY, doing business as Molby Mfg. Co., Baldwin City, Kans. Filed Apr. 16, 1925.

Cheerio!

*Particular description of goods.*—Merry-Go-Rounds, Swings, Teeters, and Other Amusement Devices.
*Claims use* since Dec. 15, 1924.

Ser. No. 213,050. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed Apr. 20, 1925.

The lining of trade-mark drawing indicates the colors red, green, and blue. "Creamery Butter" is disclaimed except as a part of the mark shown.
*Particular description of goods.*—Creamery Butter.
*Claims use* since Jan. 1, 1901, on "Brookfield," and the combination of word "Brookfield" and design since June 1, 1902.

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Ser. No. 213,534. (CLASS 37. PAPER AND STATIONERY.) TREIBER-CAHILL MFG. CO., Syracuse, N. Y. Filed Apr. 29, 1925.

PINCH-ON

T-C

The words "Pinch-On" are disclaimed except as shown.
*Particular description of goods.*—Paper Fasteners.
*Claims use* since on or about Apr. 1, 1921.

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Ser. No. 213,733. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PENDERGAST CANDY COMPANY, Minneapolis, Minn. Filed May 2, 1925.

Applicant disclaims the words "It's A Choi Sweet."
*Particular description of goods.*—Candy Bars.
*Claims use* since Feb. 1, 1925.

Ser. No. 213,815. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TRIPLEX MANUFACTURING CORPORATION, Montpelier, Ind. Filed May 4, 1925.

Triplex NON-STOP

The word "Non-Stop" appearing in the mark is disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Machines for Projecting Pictures.
*Claims use* since Nov. 15, 1922.

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Ser. No. 214,193. (CLASS 39. CLOTHING.) WALLACE, SCOTT & CO., LIMITED, Cathcart, Glasgow, Scotland. Filed May 11, 1925.

No claim is made to the exclusive use of the surname "Dexter" apart from the mark shown in the drawing.
*Particular description of goods.*—Rainproof Coats, Hats, and Caps for Men, Women, and Children; Capes, Jackets, Breeches, and Leggings.
*Claims use* since January, 1910.

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Ser. No. 214,290. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) VALENTINE & COMPANY, New York, N. Y. Filed May 13, 1925.

Nitro-VALSPAR
NITROLOX

*Particular description of goods.*—First Coating or Surfacing for Metal.
*Claims use* since Apr. 30, 1925.

Ser. No. 214,307. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALLIED INDUSTRIAL PRODUCTS CO., Chicago, Ill. Filed May 14, 1925.

SERAMIC OIL REMOVER

No claim is made to the words "Oil Remover" apart from the mark shown.
*Particular description of goods.*—Liquid Used for Two Purposes—First, for Preparing Sheet Metal for Pickling; Secondly, for Neutralising Acid After Pickling.
*Claims use* since Apr. 1, 1925.

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Ser. No. 214,486. (CLASS 39. CLOTHING.) B. KUPPENHEIMER & CO. INC., Chicago, Ill. Filed May 18, 1925.

CURVETTE SHOULDER

*Particular description of goods.*—Men's and Boys' Coats, Vests, Trousers, and Overcoats.
*Claims use* since Apr. 14, 1925.

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Ser. No. 214,876. (CLASS 39. CLOTHING.) LANSDELL & WILLSON, LIMITED, London, England. Filed May 25, 1925.

"GLENFELL"

"GLENFELL" SPORT WEAR

Applicant makes no claim to the use of the words "Sport Wear" except in the particular combination shown and together with the other parts of the mark.
*Particular description of goods.*—Ladies' Coats, Cloaks, Wraps, Capes, Mantles, Coats and Skirts, Suits, Dress and Coat Outfits; Coat, Skirt, and Jumper Outfits; and Ladies' Dresses, Skirts, and Jumpers.
*Claims use* since 1922.

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Ser. No. 215,128. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BEST MFG. CO., Newark, N. J. Filed June 1, 1925.

BEST MF'G CO. BEST NEWARK, N.J., U.S.A.

No claim is made herein to the name of the applicant nor to the word "Best," nor "Newark, N. J., U. S. A.," apart from the mark shown in the drawing.
*Particular description of goods.*—Head Phones and Loud Speakers.
*Claims use* since on or about Sept. 18, 1922.



Ser. No. 215,372. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) KASE-QUINBY RUBBER CO., INC., New York, N. Y. Filed June 5, 1925.

Meet-chur-Nede TRAVELING CASE

The words "Traveling Case" are disclaimed apart from the mark shown.
*Particular description of goods.*—Traveling Cases.
*Claims use* since May 4, 1925.

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Ser. No. 215,400. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE BUOYANT UPHOLSTERY COMPANY LIMITED, Sandiacre, England. Filed June 6, 1925.

*Particular description of goods.*—Chairs, Settees, Couches, Seats, Ottomans, Sideboards, Cabinets, Tables, Bedsteads, Beds, Wardrobes, Dressing Tables, Washstands, Pedestals, Set of Drawers, Dressers, Writing Desks, Stools, Footstools, Cupboards, Whatnots, Bookcases, Hassocks, and Towel Horses.
*Claims use* since Dec. 17, 1921.

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Ser. No. 215,502. (CLASS 17. TOBACCO PRODUCTS.) W. A. BROWN TOBACCO COMPANY, INCORPORATED, Martinsville, Va. Filed June 9, 1925.

LOG CABIN

*Particular description of goods.*—Plug, Cut-Plug, Chewing, and Smoking Tobacco.
*Claims use* since about 1855.

Ser. No. 215,599. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ST. LOUIS MERAMEC CANOE COMPANY, Valley Park, Mo. Filed June 10, 1925.

*Particular description of goods.*—Boats, Canoes, Paddles, Oars, Boat and Canoe Covers, Boat and Canoe Canopies, Boat and Canoe Floor Racks, and Paddle Racks.
*Claims use* since Dec. 15, 1924.

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Ser. No. 215,758. (CLASS 37. PAPER AND STATIONERY.) STANDARD PAPER MANUFACTURING CO., Richmond, Va. Filed June 13, 1925.

TWO-TEXT

*Particular description of goods.*—White or Colored Bond Writing Paper Coated on One Side in White or Colors.
*Claims use* since Jan. 1, 1924.

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Ser. No. 216,071. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. NOVA SAL LABORATORIES INC., Brooklyn, N. Y. Filed June 19, 1925.

NEM LAX

*Particular description of goods.*—Laxative Medicine.
*Claims use* since Jan. 16, 1924.

Ser. No. 216,134. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANK W. BARBER, Stockton, Calif. Filed June 22, 1925.

The exclusive use of the surname "Barber's" and of the remaining words "Antiseptic Shampoo Soap" are disclaimed except in the particular association and arrangement shown in the drawing. The lining of drawing is for shading only.

*Particular description of goods.*—Shampoo Soap Both in Solid and Liquid Form.

*Claims use* since June 1, 1925.

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Ser. No. 216,175. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GRAY MANUFACTURING COMPANY, Spokane, Wash. Filed June 22, 1925.

GRA-CO

*Particular description of goods.*—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups and Extracts for Making the Same.

*Claims use* since July 1, 1914.

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Ser. No. 216,227. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE SEAMLESS RUBBER COMPANY, INC., New Haven, Conn. Filed June 22, 1925.

The drawing is lined to indicate the color "red."

*Particular description of goods.*—Atomizers. Genuine Seamless Nipples, Hard-Rubber Pile Pipes, Rubber Colon Tubes, Tissue Finger Cots, Ear and Ulcer Syringes, and Infant Syringes.

*Claims use* since Aug. 14, 1924.

Ser. No. 216,242. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEST INDIES FRUIT IMPORTING COMPANY, Chicago, Ill. Filed June 22, 1925.

STAR of CUBA

*Particular description of goods.*—Fresh Pineapples.

*Claims use* since Apr. 1, 1925.

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Ser. No. 216,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEST INDIES FRUIT IMPORTING COMPANY, Chicago, Ill. Filed June 22, 1925.

The word "Cuba" does not form a part of the mark sought to be registered apart from the mark shown in the drawing.

*Particular description of goods.*—Fresh Pineapples.

*Claims use* since Apr. 1, 1925.

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Ser. No. 216,300. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SUN SOAP PRODUCTS, INCORPORATED, Staten Island, New York, N. Y. Filed June 23, 1925.

The lining on the drawing is merely for the purpose of shading, as color is not an essential element of the trade-mark herein claimed.

*Particular description of goods.*—Soap Powders.

*Claims use* since about June 9, 1925.



Ser. No. 216,418. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed June 25, 1925.

MAYSKO

*Particular description of goods.*—Women's Knitted Underwear.

*Claims use* since September, 1909.

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Ser. No. 216,537. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH F. HERISA, doing business as Germoform Chemical Co. Not Inc., Chicago, Ill. Filed June 27, 1925.

*Particular description of goods.*—Antiseptic and Prophylactic for Treatment of Leucorrhea, Vaginal or Uterine Catarrh, Ulcerations, and Diseases of the Female Organs.

*Claims use* since June, 1905.

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Ser. No. 216,538. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH F. HERISA, doing business as Germoform Chemical Co. Not Inc., Chicago, Ill. Filed June 27, 1925.

GERM-O-FORM

*Particular description of goods.*—Antiseptic and Prophylactic for Treatment of Leucorrhea, Vaginal or Uterine Catarrh, Ulcerations, and Diseases of the Female Organs.

*Claims use since* June, 1925.

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Ser. No. 216,570. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TILLMAN & BENDEL, INC., San Francisco, Calif. Filed June 27, 1925.

BLUE LAKES

*Particular description of goods.*—Canned String Beans.

*Claims use* since 1900.

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Ser. No. 216,620. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAR-O-VEL COMPANY, Oklahoma City, Okla. Filed June 29, 1925.

Mar-O-Vel

The trade-mark consists of the three-syllabled word "Mar-O-Vel," each syllable beginning with a capital letter, and the three syllables are divided by hyphens placed midway between the top and bottom of the letters. The letters are plain and in writing instead of printing, the "M" having a flourish or scroll before the letter and near its top.

*Particular description of goods.*—Medicine for Stomach, Liver, and Kidney Trouble.

*Claims use* since about Aug. 1, 1921.

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Ser. No. 216,672. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE FOREST DEPARTMENT OF THE FEDERATED MALAY STATES GOVERNMENT, Kuala Lumpur, Federated Malay States. Filed June 30, 1925.

No claim is made to the printed matter shown apart from the mark shown in the drawing.

*Particular description of goods.*—Resin Produced from the Chengal or Penak Tree of the Malay Peninsula.

*Claims use* since Oct. 18, 1924.

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Ser. No. 216,675. (CLASS 15. OILS AND GREASES.) GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa. Filed June 30, 1925.

"Gulfoil" in an orange disk, the word "Oil" being disclaimed apart from the other features of the trade-mark.

*Particular description of goods.*—Domestic Lubricant.

*Claims use* since November, 1924.

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Ser. No. 216,765. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BELTONA LIMITED, Hoddesdon, England. Filed July 2, 1925.

"BELTONA"

*Particular description of goods.*—Liniment for Treatment of the Various Diseases, Rheumatic Ailments, Rheumatism, Lumbago, Sciatica, Gout, Toothache, Chilblains, Insect Bites, Tonsillitis, Sore Throat, Colitis, Sprains, and Neuralgia.

*Claims use* since Feb. 1, 1925.

Ser. No. 216,808. (CLASS 12. CONSTRUCTION MATERIALS.) WEST LUMBER COMPANY, Atlanta, Ga. Filed July 2, 1925.

WEST BEST

*Particular description of goods.*—Composition Roofing, Lumber, and Shingles.
*Claims use* since July 23, 1921.

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Ser. No. 216,976. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAHLO & SOLOMON INC., New York, N. Y. Filed July 7, 1925.

LUSTRASERGE

Trade-mark consists of the word "Lustraserge."
*Particular description of goods.*—Artificial Rayon Silk Fabrics.
*Claims use* since June 8, 1925.

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Ser. No. 216,977. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAHLO & SOLOMON INC., New York, N. Y. Filed July 7, 1925.

LUSTRAPACA

Trade-mark consists of the word "Lustrapaca."
*Particular description of goods.*—Artificial Rayon Silk Fabrics.
*Claims use* since June 8, 1925.

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Ser. No. 216,983. (CLASS 39. CLOTHING.) N & W OVERALL COMPANY, INC., Lynchburg, Va. Filed July 7, 1925.

FH

*Particular description of goods.*—Overalls and Coats.
*Claims use* since June 27, 1925.

Ser. No. 217,017. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIUS FRAISSE AND CO., doing business as Laboratoires Fraisse, Paris, France. Filed July 8, 1925.

The wording in the drawing is disclaimed apart from the mark shown.
*Particular description of goods.*—Preparation Administered in Ampul Form for the Treatment of Arteriosclerosis.
*Claims use* since Mar. 13, 1922.

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Ser. No. 217,018. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIUS FRAISSE AND CO., doing business as Laboratoires Fraisse, Paris, France. Filed July 8, 1925.

The words "Quinine-Iodo-Bismuthate" and "Fraisse" being disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Preparation for the Treatment of Syphilis to be Administered Internally.
*Claims use* since Sept. 28, 1922.



Ser. No. 217,019. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIUS FRAISSE AND CO., doing business as Laboratoires Fraisse, Paris, France. Filed July 8, 1925.

The words "Fraisse's Neurosthenic Ampoules" are disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Preparation in Ampul Form for Neurasthenia.
*Claims use* since Sept. 1, 1908.

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Ser. No. 217,020. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIUS FRAISSE AND CO., doing business as Laboratoires Fraisse, Paris, France. Filed July 8, 1925.

The words "Fraisse's Ferruginous Ampoules" are disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Preparation Administered in Ampul Form for the Treatment of Anæmia.
*Claims use* since Sept. 1, 1914.

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Ser. No. 217,202. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BLAW-KNOX COMPANY, Blawnox, Pa. Filed July 11, 1925.

INUNDATOR

*Particular description of goods.*—Machines for Measuring Fine Aggregates for Concrete.
*Claims use* since May 26, 1925.

Ser. No. 217,222. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEWIS W. GIBSON, doing business as Gibson Mfg. Co., Philadelphia, Pa. Filed July 11, 1925.

Exit

*Particular description of goods.*—Cleaning Compound for Fabric and Leather.
*Claims use* since on or about May 15, 1924.

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Ser. No. 217,240. (CLASS 39. CLOTHING.) ADMIRABLE CLOTHES, INC., New York, N. Y. Filed July 13, 1925.

No claim is made to the words "Guaranteed," "Serge," "Tailored on Fifth Ave." and "By Admirable Clothes Inc." apart from the mark shown on the drawing.
*Particular description of goods.*—Men's Suits, Topcoats, Vests, and Pants.
*Claims use* since July, 1924.

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Ser. No. 217,298. (CLASS 39. CLOTHING.) SCHNEIDER & HOFFENBERG, New York, N. Y. Filed July 13, 1925.

No claim is made to the words "Double Life" apart from the mark shown in the drawing.
*Particular description of goods.*—Boys' Suits.
*Claims use* since June, 1923.

Ser. No. 217,306. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTURO TAMEZ, San Antonio, Tex. Filed July 13, 1925.

No claim is made to the wording appearing on the drawing apart from the mark shown.

*Particular description of goods.*—Hair Pomade.

*Claims use* since Feb. 20, 1921.

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Ser. No. 217,313. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WEST LUMBER COMPANY, Atlanta, Ga. Filed July 13, 1925.

The lining shown in the drawing is for shading only.

*Particular description of goods.*—Raw Linseed Oil, Boiled Linseed Oil, Turpentine, Black Roof and Metal Paint, and Asphaltum Paint.

*Claims use* since July 23, 1921.

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Ser. No. 217,335. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE DELAWARE, LACKAWANNA & WESTERN COAL COMPANY, Hoboken, N. J., and New York, N. Y. Filed July 14, 1925.

No claim is made to the following words "Scranton Anthracite" and "The Standard" apart from the mark shown in the drawing.

*Particular description of goods.*—Anthracite Coal.

*Claims use* since Sept. 1, 1915.

Ser. No. 217,345. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERNATIONAL POSTAL SUPPLY CO., Brooklyn, N. Y. Filed July 14, 1925.

The word "Trade-Mark" is hereby disclaimed, likewise the word "Meter," apart from the mark shown in the drawing. The lining shown indicates the colors black and yellow.

*Particular description of goods.*—Mail-Marking and Envelope Sealers.

*Claims use* since May 28, 1925.

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Ser. No. 217,346. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) INTERNATIONAL POSTAL SUPPLY CO., Brooklyn, N. Y. Filed July 14, 1925.

The lining shown on the drawing indicates the colors black and yellow. The word "Trade-Mark" is hereby disclaimed, likewise the word "Meter," apart from the mark shown in the drawing.

*Particular description of goods.*—Postage-Metering Machines.

*Claims use* since about May 28, 1925.

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Ser. No. 217,371. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) EARLE S. STRONG, doing business as Marlebe Mfg. Co., Buffalo, N. Y. Filed July 14, 1925.

No claim is made for the word "Gum".

*Particular description of goods.*—Medicated Chewing Gum.

*Claims use* since July 6, 1925.



Ser. No. 217,410. (CLASS 37. PAPER AND STATIONERY.) CHARLES R. MYERS, Sebastopol, Calif. Filed July 15, 1925.

*Particular description of goods.*—Printed Stationery—namely, Wedding Invitations, Wedding Announcements, Party and Commercial Invitations and Announcements, Business Cards, Sympathy Cards, Greeting Cards, Birth Announcements, Betrothal Announcements; Club, Social and Fraternal Announcements and Invitations; Visiting Cards, At Home and Reception Cards, and All Other Forms of Completely-Printed and Business Stationery.

*Claims use* since May 1, 1925.

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Ser. No. 217,448. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT O. BRICKER, doing business as Asepasan Co., Chester, Pa. Filed July 16, 1925.

*Particular description of goods.*—Antiseptic.

*Claims use* since July 13, 1925.

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Ser. No. 217,586. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. SCHANZENBACH AND COMPANY, INC., New York, N. Y. Filed July 18, 1925.

"SIS-OZON"

*Particular description of goods.*—Powdered Egyptian Henna Leaves, White Henna, Whole Egyptian Henna Leaves, German Camomile Flowers, Sage Leaves, Lemon Essence, Hair Rinse, Peroxide Hair Bleach, Methyl Violet Bluing, Mineral Oil for the Hair, Witch-Hazel, Ammonia, Bay Rum, Hair Tonics, Toilet Waters, and Face Powders.

*Claims use* since June 10, 1925.

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Ser. No. 217,594. (CLASS 39. CLOTHING.) WIMMELBACHER & RICE, New York, N. Y. Filed July 18, 1925.

InterPlex
SUEDE FABRIC

No claim is made to the exclusive use of the words "Suede Fabric" apart from the mark shown in the drawing.

*Particular description of goods.*—Fabric Gloves.

*Claims use* since April 1, 1925.

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Ser. No. 217,600. (CLASS 39. CLOTHING.) THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La. Filed July 20, 1925.

INDEPENDENCE

*Particular description of goods.*—Overalls, Jackets, Pants, Vests, Work Shirts, Suits, Coats, Jumpers, Unionalls, Coveralls, and Play Suits for Men or Children.

*Claims use* since on or about Oct. 1, 1924.

Ser. No. 217,673. (CLASS 39. CLOTHING.) H. JAECKEL & SONS, INC., New York, N. Y. Filed July 21, 1925.

*Particular description of goods.*—Fur Garments—viz, Fur Capes, Fur Wraps, Fur Scarfs, Fur Muffs, and Men's, Women's, and Childrens' Fur Coats and Hats.

*Claims use* since about Apr. 5, 1925.

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Ser. No. 217,834. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PIERRE REGNIER, Moulangis par Crecy-en-Brie, France. Filed July 24, 1925.

Le JABIRU

*Particular description of goods.*—Table Board Game Played with Pieces.

*Claims use* since Feb. 6, 1925.

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Ser. No. 217,870. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOUIS FAJOLO, doing business as Milan Cleanser Company, Cleveland, Ohio. Filed July 25, 1925.

LA BRILLANTE"

*Particular description of goods.*—Washing Fluid.

*Claims use* since January, 1925.

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Ser. No. 217,879. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE HONEYWELL HEATING SPECIALTIES CO., Wabash, Ind. Filed July 25, 1925.

MASTERSTAT

*Particular description of goods.*—Thermostatic Device for Controlling the Temperature and Pressure of Steam and Hot-water Bottles.

*Claims use* since April, 1925.

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Ser. No. 217,968. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD VARNISH WORKS, New York, N. Y. Filed July 27, 1925.

No claim is made to the exclusive use of the words "Standard Varnish Works," "Standard," "New York,"

"Chicago," "London," "Paris," "San Francisco," "Grand Rapids," "Melbourne," "For Buildings Outside and Inside," "Paint," and "Pearl Gray" apart from the mark shown on the drawing.

*Particular description of goods.*—Ready-Mixed Paints.
*Claims use* since July 3, 1925.

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Ser. No. 217,969. (CLASS 15. OILS AND GREASES.) "SUPERTEST" LIMITED, London, Ontario, Canada. Filed July 27, 1925.

"SUPERTEST"

*Particular description of goods.*—Gasoline, Kerosene, and Lubricating Oils and Greases.
*Claims use* since 1923.

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Ser. No. 217,970. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION FOOD PRODUCTS CO., doing business as Farmaiola Products Co., New York, N. Y. Filed July 27, 1925.

FARMAIOLA

Trade-mark consists in the word "Farmaiola".
*Particular description of goods.*—Tomato Sauce.
*Claims use* since June 30, 1925.

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Ser. No. 218,027. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SULLIVAN COMPANY, Memphis, Tenn. Filed July 28, 1925.

*Particular description of goods.*—Aluminum Paint.
*Claims use* since Mar. 4, 1925.

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Ser. No. 218,075. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FEDERICO MENNELLA, New York, N. Y. Filed July 29, 1925.

MONTEVERGINE

*Particular description of goods.*—Canned Vegetables.
*Claims use* since October, 1924.

Ser. No. 218,156. (CLASS 12. CONSTRUCTION MATERIALS.) THE BALDWIN-TARVIN COMPANY, Cincinnati, Ohio. Filed July 31, 1925.

LASTPHALT

*Particular description of goods.*—Mulsified Asphalt for Waterproofing and Protective Purposes.
*Claims use* since July 13, 1925.

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Ser. No. 218,197. (CLASS 38. PRINTS AND PUBLICATIONS.) NEW FICTION PUBLISHING CORPORATION, New York, N. Y. Filed July 31, 1925.

WIT OF THE WORLD

*Particular description of goods.*—Monthly Publication.
*Claims use* since July 10, 1925.

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Ser. No. 218,203. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WILLIS J. PEELLE, doing business as Real Seal Co., Chicago, Ill. Filed July 31, 1925.

REAL SEAL

*Particular description of goods.*—Jar Caps or Closures.
*Claims use* since May 29, 1924.

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Ser. No. 218,255. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLDEN STATE MILK PRODUCTS COMPANY, San Francisco, Calif. Filed Aug. 1, 1925.

BANQUET

*Particular description of goods.*—Cheese of All Varieties.
*Claims use* since Aug. 2, 1911.

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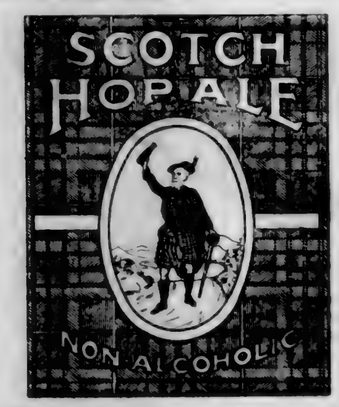
Ser. No. 218,319. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FRANK NOGUES, Los Angeles, Calif. Filed Aug. 3, 1925.

*Particular description of goods.*—Varnish and Mixed Paint.
*Claims use* since July, 1924.



Ser. No. 218,394. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ARTEMAS W. DEANE, Los Angeles, Calif. Filed Aug. 5, 1925.




No claim is made herein to the words "Scotch Hop Ale, Non-Alcoholic" except in the combination set forth.
The drawing is lined for red, green, blue, and brown.
*Particular description of goods.*—Maltless, Nonalcoholic Beverage.
*Claims use* since Apr. 2, 1902.

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Ser. No. 218,429. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) RHODES BROS. INCORPORATED, Tacoma, Wash. Filed Aug. 5, 1925.

TOOTH-RITE

No claim is made to the word "Tooth" apart from the mark shown in the drawing.
*Particular description of goods.*—Toothbrushes.
*Claims use* since Oct. 18, 1924.

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Ser. No. 218,437. (CLASS 39. CLOTHING.) TRAYLANCE MFG. & IMPORTING CO., INC., New York, N. Y. Filed Aug. 5, 1925.

"Traylance"

*Particular description of goods.*—Ladies' Underwear of Knitted Fabric and Scarfs.
*Claims use* since Jan. 23, 1925.

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Ser. No. 218,441. (CLASS 39. CLOTHING.) GEORGE W. WOODRUFF, doing business as Woodruff Manufacturing Company, Winder, Ga. Filed Aug. 5, 1925.

STONE MOUNTAIN
Shirts AND OVERALLS

Applicant disclaims the words "Shirts and Overalls" apart from the mark shown in the drawing.
*Particular description of goods.*—Work Shirts and Overalls.
*Claims use* since January, 1925.

Ser. No. 218,442. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN POULTRY CORPORATION, Los Angeles, Calif. Filed Aug. 6, 1925.

*Particular description of goods.*—Dressed Poultry and Eggs.
*Claims use* since about January, 1915.

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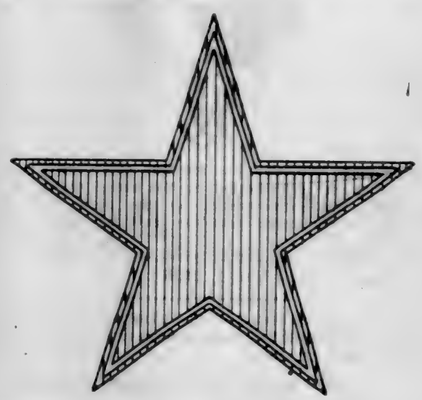
Ser. No. 218,593. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WILLIAM P. BERNAGOZZI, New York, N. Y. Filed Aug. 10, 1925.



The lining in drawing indicates red color.
*Particular description of goods.*—Mineral Water.
*Claims use* since January, 1913.

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Ser. No. 218,655. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PACIFIC PISTON RING CO., Los Angeles, Calif. Filed Aug. 10, 1925.

PACIFIC

*Particular description of goods.*—Piston Rings.
*Claims use* since August, 1922.

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Ser. No. 218,656. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PACIFIC PISTON RING CO., Los Angeles, Calif. Filed Aug. 10, 1925.

OIL-VENT

*Particular description of goods.*—Piston Rings.
*Claims use* since December, 1924.

Ser. No. 218,692. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE FEDERAL GAUGE CO., Chicago, Ill. Filed Aug. 14, 1925.

Trade-mark comprises the green color of the fabric covering of the wire in combination with the black color of a narrow ring of fabric surrounding one end of the conductor wire, as shown in the drawing.

*Particular description of goods.*—Lead Wires for Electrical Connections to Mercury-Tube Switches.

*Claims use* since January, 1922.

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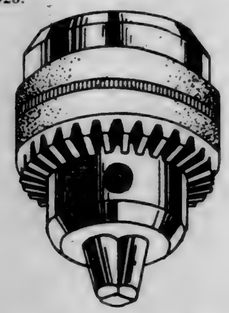
Ser. No. 218,716. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE OBERLIN MANUFACTURING COMPANY, Oberlin, Ohio. Filed Aug. 11, 1925.



The mark consists of a red line encircling the body of the chuck, as indicated by the lining shown in the drawing, the representation of the goods not being claimed herein apart from the mark as shown in the drawing.

*Particular description of goods.*—Drill Chucks.

*Claims use* since Mar. 1, 1925.

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Ser. No. 218,723. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALEX STEWART, Santa Cruz, Calif. Filed Aug. 11, 1925.

THE HOME OF "COLUMBIA BELLE"

No claim is made to the exclusive use of the word "Columbia" nor to the representation of the hen apart from the mark as shown in the drawing.

*Particular description of goods.*—Chicken Breeding Stock, Chicks, and Hatching Eggs.

*Claims use* since Oct. 7, 1922.

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Ser. No. 218,755. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER T. HALL & CO., Ottumwa, Iowa. Filed Aug. 12, 1925.

Cargo of Sweets

No claim is made to the word "Sweets" apart from the mark as shown.

*Particular description of goods.*—Candy.

*Claims use* since May 15, 1925.

Ser. No. 218,759. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JACKSON COUNTY CREAMERY, Medford, Oreg. Filed Aug. 12, 1925.

Merry SKO

The lines of the trade-mark drawing indicate shading only.

*Particular description of goods.*—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

*Claims use* since Jan. 1, 1925.

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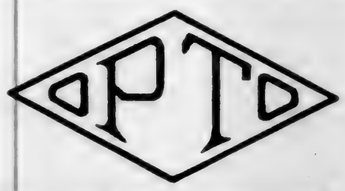
Ser. No. 218,805. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FEDERAL PRODUCTS CORPORATION, Providence, R. I. Filed Aug. 13, 1925.




*Particular description of goods.*—Lens-Measuring Gauges.

*Claims use* since Aug. 1, 1925.

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Ser. No. 218,815. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JELL-X-CELL CO., Los Angeles, Calif. Filed Aug. 13, 1925.

Jell-X-cell

*Particular description of goods.*—Gelatin Dessert Compound.

*Claims use* since Apr. 1, 1925.

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Ser. No. 218,869. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NOVA SAL LABORATORIES INC., Brooklyn, N. Y. Filed Aug. 14, 1925.

NOVA SAL

*Particular description of goods.*—Preparation for the Relief of Pain.

*Claims use* since Jan. 16, 1924.



Ser. No. 218,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY SOODSMA & COMPANY, Paterson, N. J. Filed Aug. 14, 1925.

FALL-LEAF

*Particular description of goods.*—Canned Fruits, Canned Vegetables, Canned Fish, Canned Sirup for Food Purposes, Rice, Spices, Oatmeal, Fruit Preserves, Vinegar, Olives, Peanut Butter, Tomato Catchup, Chili Sauce, Pickles, Alimentary Paste Products, Canned Shrimp, and Canned Sauerkraut.

*Claims use* since Mar. 1, 1919.

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Ser. No. 218,950. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BURROW MANUFACTURING COMPANY, Spokane, Wash. Filed Aug. 17, 1925.

No claim is made to the word "Burrow" apart from the other features of the mark as shown in the drawing.

*Particular description of goods.*—Tire Boots for Automobile Tires.

*Claims use* since June 1, 1924.

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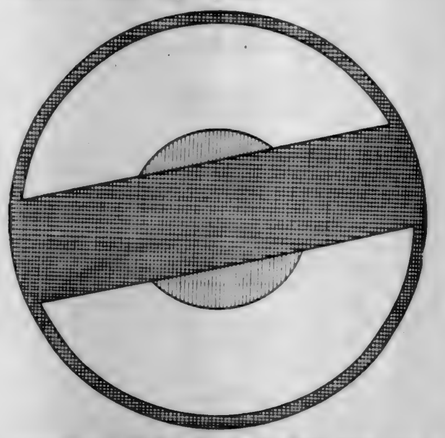
Ser. No. 218,953. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DAVIS PAINT COMPANY, Kansas City, Mo. Filed Aug. 17, 1925.



Trade-mark consists of a black outer circle and diametrical bar and a red circular spot back of the bar at the center.

*Particular description of goods.*—Ready-Mixed Paint.

*Claims use* since about Apr. 1, 1925.

Ser. No. 219,062. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE CROWN CORK AND SEAL COMPANY OF BALTIMORE CITY, Baltimore, Md. Filed Aug. 19, 1925.

*Particular description of goods.*—Composition Cork Sheets and Blocks, Coverings for Textile Rolls, and Sealing Disks for Closures.

*Claims use* since March, 1924.

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Ser. No. 219,064. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SANFORD JOHNSON DALZELL, doing business as Dalpo Products Company, Baltimore, Md. Filed Aug. 19, 1925.

DALPO

*Particular description of goods.*—Tire Enamel, Floor Oil, and Aluminum Bronze.

*Claims use* since Jan. 15, 1925.

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Ser. No. 219,090. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. A. SCARBOROUGH, doing business as Red Horse Mfg. Co., Clarksville, Ark. Filed Aug. 19, 1925.

Red Horse

The color of the mark is red, as indicated by the shading on the drawing.

*Particular description of goods.*—Ointment for Skin Diseases.

*Claims use* since about Jan. 1, 1924.

Ser. No. 219,145. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JULIUS SCHMID, INC., New York, N. Y. Filed Aug. 20, 1925.

The portrait of the trade-mark is fanciful.
*Particular description of goods.*—Pacifiers.
*Claims use* since Sept. 28, 1922.

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Ser. No. 219,168. (CLASS 37. PAPER AND STATIONERY.) CONTINENTAL PAPER & BAG MILLS CORPORATION, New York, N. Y. Filed Aug. 21, 1925.

**HOSPI-UTILITY**

*Particular description of goods.*—Prophylactic Tissue Paper.
*Claims use* since Aug. 7, 1925.

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Ser. No. 219,196. (CLASS 38. PRINTS AND PUBLICATIONS.) OLD COLONY ENVELOPE COMPANY, Westfield, Mass. Filed Aug. 21, 1925.

**Ensemble**

*Particular description of goods.*—Greeting and Announcement Cards.
*Claims use* since July 7, 1925.

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Ser. No. 219,208. (CLASS 39. CLOTHING.) C. B. SHANE CO., Chicago, Ill. Filed Aug. 21, 1925.

**London Dew**

No claim is made to the word "London" apart from the mark shown.
*Particular description of goods.*—Overcoats and Topcoats.
*Claims use* since on or about Aug. 12, 1925.

Ser. No. 219,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORTUNE PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 22, 1925.

**A FORTUNE CHOCOLATE DOLLAR**

1¢ 1¢



**FOR A PENNY**

No claim is made to the representation of the figure "1" and the cent mark (1¢) appearing adjacent thereto, nor to the words "For a Penny," nor to the word "Chocolate" apart from the mark as shown.
*Particular description of goods.*—Candy.
*Claims use* since on or about June, 1925.

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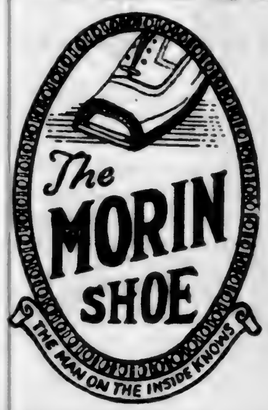
Ser. No. 219,295. (CLASS 39. CLOTHING.) CHARLES A. MORIN, Boston, Mass. Filed Aug. 24, 1925.





Applicant disclaims exclusive right to the words "The Morin Shoe" and also to the pictorial representation of the shoe except in the particular connection and association in which it appears with the rest of trade-mark as presented on drawing.
*Particular description of goods.*—Leather Shoes.
*Claims use* since July 13, 1925.

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Ser. No. 219,345. (CLASS 32. FURNITURE AND UPHOLSTERY.) OKLAHOMA FURNITURE MANUFACTURING CO., Oklahoma City, Okla. Filed Aug. 25, 1925.

**QUALITY-BILT**

*Particular description of goods.*—Furniture—Namely, Living-Room Suites, Consisting of Upholstered Davenports, Upholstered Chairs, and Upholstered Rockers, and Breakfast-Room Suites, Consisting of Tables and Chairs, and Mattresses and Springs.
*Claims use* since Aug. 11, 1925.



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Ser. No. 219,351. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROYAL FLUSH CHEMICAL CO., Ilion, N. Y. Filed Aug. 26, 1925.

**ROYAL FLUSH**

The words "Royal Flush" are lined to indicate a yellow color.
*Particular description of goods.*—Hair Tonics.
*Claims use* since Sept. 17, 1924.

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Ser. No. 219,359. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ELMER C. VON GLAHN, Corcoran, Calif. Filed Aug. 25, 1925.

**MailPlane**

*Particular description of goods.*—Children's Wheeled Play Vehicles.
*Claims use* since June 27, 1925.

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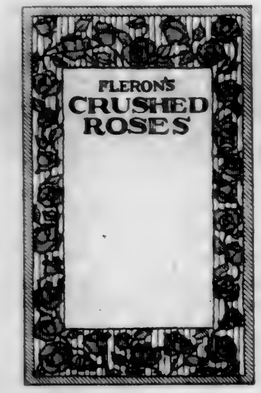
Ser. No. 219,382. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) COUCH BROS. MANUFACTURING CO., doing business as Atlanta Tent & Awning Company, East Point, Ga. Filed Aug 26, 1925.

**STYLE-BILT**

*Particular description of goods.*—Awnings.
*Claims use* since on or about Oct. 1, 1924.

Ser. No. 219,387. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. M. FLERON & SON, INC., Trenton, N. J. Filed Aug. 26, 1925.





No claim is made to the words "Flerons" and "Crushed Roses" apart from the mark shown. The roses are lined to indicate the color red, and the leaves are lined to indicate green color.
*Particular description of goods.*—Hair Tonic.
*Claims use* since January, 1922.

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Ser. No. 219,390. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) G. & E. TRADING CORP., New York, N. Y. Filed Aug. 26, 1925.

**UNIVERSAL**

*Particular description of goods.*—Malt Extracts and Malt and Hop Extracts.
*Claims use* since 1918.

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Ser. No. 219,392. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) AARON GOLDSTEIN, doing business as American Specialty Co., New York, N. Y. Filed Aug. 26, 1925.

**EXCELS ALL OTHERS**
**EXCELITY**
BRAND

No claim is made to the words "Excels All Others" and "Brand" apart from the mark shown on the drawing.
*Particular description of goods.*—Malt Extracts and Malt and Hop Extracts.
*Claims use* since 1918.

Ser. No. 219,395. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN F. JUSTIN, doing business as Berkley Laboratories, Weehawken, N. J. Filed Aug. 26, 1925.

ENSO

*Particular description of goods.*—Medicinal Preparation Used as a Blood-Pressure Reducer.
*Claims use* since April, 1923.

Ser. No. 219,399. (CLASS 39. CLOTHING.) MAURICE LOWIN, doing business as Morwin Hosiery Co., New York, N. Y. Filed Aug. 26, 1925.

MORWIN

*Particular description of goods.*—Hosiery.
*Claims use* since Dec. 19, 1923.

Ser. No. 219,400. (CLASS 39. CLOTHING.) PAUL LOWIN, doing business as Durite Hosiery Co., New York, N. Y. Filed Aug. 26, 1925.

Durite

*Particular description of goods.*—Hosiery.
*Claims use* since June 8, 1924.

Ser. No. 219,406. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PACIFIC BROTHERHOOD INVESTMENT COMPANY, Seattle, Wash. Filed Aug. 26, 1925.

Getting Ahead
for People Who Build for the Future

No claim is made to the words "For People Who Build for the Future" apart from the other features of the mark shown in the drawing. In the drawing the words "Getting Ahead" are shown as outlined in orange.
*Particular description of goods.*—Monthly Magazine.
*Claims use* since Aug. 1, 1924.

Ser. No. 219,407. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PONCE DE LEON ORANGE MILL CO., Des Moines, Iowa. Filed Aug. 26, 1925.

Onli

*Particular description of goods.*—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
*Claims use* since Feb. 1, 1925.

Ser. No. 219,414. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL TINSKY, New York, N. Y. Filed Aug. 26, 1925.

PREVENTOMIN

*Particular description of goods.*—Antiseptic Preparation Bottled in Tubes and is a Semisolid Pharmaceutical Preparation for External Use as an Antiseptic Preparation for the Prevention of Venereal Diseases.
*Claims use* since July 1, 1925.

Ser. No. 219,422. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE GLOBE BOTTLING & SALES COMPANY, Baltimore, Md. Filed Aug. 27, 1925.

STAG
XX

*Particular description of goods.*—Malt Beverage, Nonalcoholic.
*Claims use* since May 4, 1925.

Ser. No. 219,429. (CLASS 39. CLOTHING.) THE WILLIAM HENGERER COMPANY, Buffalo, N. Y. Filed Aug. 27, 1925.

Prudence

SIXTEEN TWENTY

*Particular description of goods.*—Hosiery.
*Claims use* since December, 1923.



Ser. No. 219,432. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HUBER-SWEET MFG. CO., Highland Park, Ill. Filed Aug. 27, 1925.

HYKER TOYS

The word "Toys" is disclaimed apart from the mark shown.
*Particular description of goods.*—Mechanical Toys.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,458. (CLASS 39. CLOTHING.) SIEGEL BROTHERS & BURNSTINE, New York, N. Y. Filed Aug. 27, 1925.

KIKI MAID KOATS

No claim is made to the exclusive use of the word "Koats" apart from the mark shown on the drawing.
*Particular description of goods.*—Junior Misses' Coats.
*Claims use* since July 1, 1925.

Ser. No. 219,466. (CLASS 38. PRINTS AND PUBLICATIONS.) WINSTON, INC., Chicago, Ill. Filed Aug. 27, 1925.

Electric Light and Power
The Electric Service Companies Magazine

"Electric Light and Power—The Electric Service Companies' Magazine."
*Particular description of goods.*—Monthly Magazine.
*Claims use* since October, 1924, and the main title, "Electric Light and Power," since January, 1923.

Ser. No. 219,473. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHRESOMALES & CONONGES, New York, N. Y. Filed Aug. 28, 1925.

Kres
FAMOUS

*Particular description of goods.*—Nonalcoholic, Maltless Pineapple Beverage Sold as a Soft Drink.
*Claims use* since June 1, 1924.

Ser. No. 219,474. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Aug. 28, 1925.

GRAD

*Particular description of goods.*—Underwear of Knitted and Textile Fabric.
*Claims use* since July 31, 1925.

Ser. No. 219,486. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KARAVAN COFFEE COMPANY, Toledo, Ohio. Filed Aug. 28, 1925.

RED BAG
BLEND

No claim is made to the word "Blend" apart from the trade-mark as shown, and no claim is made to the use of a red-colored bag.
*Particular description of goods.*—Coffee.
*Claims use* since 1920.

Ser. No. 219,493. (CLASS 38. PRINTS AND PUBLICATIONS.) RAYON PUBLISHING CORPORATION, New York, N. Y. Filed Aug. 28, 1925.

RAYON

*Particular description of goods.*—Weekly Publication.
*Claims use* since Aug. 20, 1925.

Ser. No. 219,504. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TRIMONT MANUFACTURING COMPANY INCORPORATED, Boston, Mass. Filed Aug. 28, 1925.

ROXBY

*Particular description of goods.*—Pipe Wrenches, Monkey Wrenches, Chain Wrenches, Pipe Cutters, and Pipe Vises.
*Claims use* since Jan. 15, 1925.

Ser. No. 219,511. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) AMALGAMATED PAINT COMPANY, New York, N. Y. Filed Aug. 29, 1925.

LIQUID BEAUTY

*Particular description of goods.*—Flat Wall Paint.
*Claims use* since June 1, 1925.

Ser. No. 219,527. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOSEPH A. BUTTNY, doing business as Capitol Chemical Company, Chicago, Ill. Filed Aug. 29, 1925.

*Particular description of goods.*—Cleaning Fluid Used as a Dry Cleaner.
*Claims use* since Apr. 15, 1923.

Ser. No. 219,529. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CURTIS PUBLISHING COMPANY, Philadelphia, Pa. Filed Aug. 29, 1925.

The Country Gentleman

Trade-mark consists of the words "The Country Gentleman."
*Particular description of goods.*—Agricultural Journal Issued Monthly.
*Claims use* since January, 1853, in business of its predecessors, while in present application since Aug. 6, 1925.

Ser. No. 219,535. (CLASS 39. CLOTHING.) ISIDORE GROSSMAN, doing business as Grossman Clothing Co., New York, N. Y. Filed Aug. 29, 1925.

G. G. & Co.
DEEPTONE BLUE

No claim is made to the words "Deep Tone Blue" apart from the mark shown in the drawing.
*Particular description of goods.*—Men's Outer Suits.
*Claims use* since about Sept. 15, 1924.

Ser. No. 219,549. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MURRAY'S SUPERIOR PRODUCTS CO., Chicago, Ill. Filed Aug. 29, 1925.

MURRAY'S SUPERIOR HAIR DRESSING POMADE

No claim is made to the exclusive use of the words "Murray's" and "Superior Hair Dressing Pomade" apart from the mark as shown in the drawing.
*Particular description of goods.*—Hairdressing, Hair Pomade, and Scalp Treatment.
*Claims use* since Aug. 8, 1924.

Ser. No. 219,550. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ONEIDA COMMUNITY LIMITED, Oneida, N. Y. Filed Aug. 29, 1925.

HAMPTON COURT

*Particular description of goods.*—Silver-Plated Flatware, Tableware, Cutlery, and Hollow Ware.
*Claims use* since July 15, 1925.

Ser. No. 219,606. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) RAVEN RED ASH COAL CO., INC., Red Ash, Va. Filed Aug. 31, 1925.

RAVEN

*Particular description of goods.*—Coal.
*Claims use* since Feb. 10, 1907.

Ser. No. 219,611. (CLASS 39. CLOTHING.) STIX, BAER & FULLER CO., St. Louis, Mo. Filed Aug. 31, 1925.

ROYSTON

*Particular description of goods.*—Men's and Boys' Wearing Apparel—Namely, Suits, Topcoats, Overcoats, Felt and Straw Hats, Caps; Kid, Leather, Silk, Wool, and Cotton Gloves; Hosiery; Shoes and Overshoes, Leather, Rubber, Fabric, and Combinations Thereof; Dress, Negligee, and Work Shirts; Neckties, Scarfs, and Cravats; Robes and Smoking Jackets, Pyjamas; and Underwear—Namely, Drawers, Shirts, and Union Suits of Both Textile and Knit Material.
*Claims use* since Mar. 31, 1925.

Ser. No. 219,635. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS, INCORPORATED, New York, N. Y. Filed Sept. 1, 1925.

Automotive Daily News

*Particular description of goods.*—Monthly Magazine.
*Claims use* since Aug. 27, 1925.



Ser. No. 219,660. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. A. BOCHMANN & CO., INC., Philadelphia, Pa. Filed Sept. 2, 1925.

BEVELEINE

*Particular description of goods.*—Worsted and Woolen Dress Goods Manufactured in the Piece.
*Claims use* since Aug. 21, 1926.

Ser. No. 219,663. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FOSTER LABORATORY, Newark, N. J. Filed Sept. 2, 1925.

TERP HERON

*Particular description of goods.*—Cough Expectorant.
*Claims use* since Nov. 1, 1924.

Ser. No. 219,701. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) UNIT VENTILATION CO. INC., College Point, N. Y. Filed Sept. 2, 1925.

UVECO

*Particular description of goods.*—Ventilating Units, Comprising a Cabinet Containing a Radiator and Air-Circulating Devices.
*Claims use* since June 15, 1925.

Ser. No. 219,702. (CLASS 38. PRINTS AND PUBLICATIONS.) UNITED TRADE PUBLISHING COMPANY, Chicago, Ill. Filed Sept. 2, 1925.

AMERICAN OIL REVIEW
Including the
Distributing Station Buyers' Guide

*Particular description of goods.*—Monthly Magazine.
*Claims use* since Jan. 1, 1925.

Ser. No. 219,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARMSTRONG PACKING COMPANY, Dallas, Tex. Filed Sept. 3, 1925.

Cooklite

*Particular description of goods.*—Cottonseed-Oil Shortening.
*Claims use* since Aug. 4, 1925.



Ser. No. 219,731. (CLASS 39. CLOTHING.) LOUIS W. DUSSING, doing business as The Tydee Company, Dumont, N. J. Filed Sept. 3, 1925.

Tydee

*Particular description of goods.*—Ladies' House or Dust Caps.
*Claims use* since Apr. 21, 1924.

Ser. No. 219,756. (CLASS 7. CORDAGE.) NATIONAL NET & TWINE CO., INC., East Haddam, Conn. Filed Sept. 3, 1925.

Tanglefin

*Particular description of goods.*—Linen Netting, Sea-Island-Cotton Gill Netting, and Cotton Netting (all Used for Fishing), and All Kinds of Twine Used for Fishing.
*Claims use* since 1911.

Ser. No. 219,784. (CLASS 33. GLASSWARE.) SMALLEY, KIVLAN & ONTHANK, Boston, Mass. Filed Sept. 3, 1925.

VICTORY

*Particular description of goods.*—Glass Fruit Jars.
*Claims use* since 1917.

Ser. No. 219,822. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) J. H. EPSTEIN A. G., Niederrad Frankfort, Germany. Filed Sept. 4, 1925.

JE

*Particular description of goods*—Colored Leather—viz, Calf's, Cheverel, Sealion, Kid, Crocodile, and Lizard Skins.
*Claims use* since about Feb. 13, 1925.

Ser. No. 219,836. (CLASS 38. PRINTS AND PUBLICATIONS.) S. L. ORWALL, doing business as Mutual Benefit Health & Accident Association, Chicago, Ill. Filed Sept. 4, 1925.

*Particular description of goods.*—Magazine Published Weekly.
*Claims use* since Jan. 1, 1925.

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Ser. No. 219,843. (CLASS 38. PRINTS AND PUBLICATIONS.) THE READY REFERENCE PUBLISHING CO. INC., New York, N. Y. Filed Sept. 4, 1925.

"THE GREEN BOOK"

*Particular description of goods.*—Semiannual Publications.
*Claims use* since July 1, 1925.

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Ser. No. 219,846. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) SOL H. RUBENSTEIN, doing business as Bar Merchandise Company, New York, N. Y. Filed Sept. 4, 1925.

The representation of two women forming a feature of the trade-mark is the fanciful creation of the artist. No claim is made to the exclusive use of the words "Hair Net, Invisible Sanitary" apart from the mark shown in the drawing.
*Particular description of goods.*—Hair Nets.
*Claims use* since Nov. 10, 1924.

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Ser. No. 219,980. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL ASSOCIATION OF INVENTORS, Seattle, Wash. Filed Sept. 8, 1925.

THE INVENTOR

*Particular description of goods.*—Monthly Publication.
*Claims use* since July 1, 1925.

Ser. No. 220,002. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) VINCENT B. VAN TILBURG, doing business as Van Tilburg Oil & Supply Co., Minneapolis, Minn. Filed Sept. 8, 1925.

Van-Kleen

*Particular description of goods.*—Washing Powder.
*Claims use* since Aug. 31, 1925.

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Ser. No. 220,019. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ISAAC EDWARD EMERSON, Baltimore, Md. Filed Sept. 9, 1925.

EMERSON'S
PHOSPHO-APERIENT

No claim is made to the exclusive use of the words "Emerson's" or "Aperient" except as associated with the other features of the mark.
*Particular description of goods.*—Laxative and Cathartic for the Treatment of Liver, Intestinal, and Stomach Disorders, Seasickness, Acidosis, and Helping to Maintain the Normal Alkalinity of the Blood; Gout, Rheumatism, and Constipation, High Blood Pressure, and Obesity.
*Claims use* since May 1, 1900.

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Ser. No. 220,023. (CLASS 39. CLOTHING.) HANSLEY MILLS, New York, N. Y. Filed Sept. 9, 1925.

Timesquare
Wonder Suit
KNOWN THE WORLD OVER

No claim is made to the words "Wonder Suit" and "Known the World Over."
*Particular description of goods.*—Men's Dress, Negligee, and Work Shirts; Men's Undershirts and Underwear Made of Knitted and Textile Fabric.
*Claims use* since Jan. 1, 1925.

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Ser. No. 220,027. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOHNSON & JOHNSON, New Brunswick, N. J. Filed Sept. 9, 1925.

ELASTIKON

*Particular description of goods.*—Adhesive Plasters.
*Claims use* since August, 1925.



Ser. No. 220,048. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNION FRANCAISE DE PARFUMERIE ET DE MAROQUINERIE, Nice, France. Filed Sept. 9, 1925.

*Brin de rêve*

*Particular description of goods.*—Perfumes, Viscous Liquid, and Gaseous; Articles of Perfumery, Facial and Hair Lotions, and Beauty, Toilet, Skin, and Nail Preparations.
*Claims use* since July 13, 1920.

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Ser. No. 220,049. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNION FRANCAISE DE PARFUMERIE ET DE MAROQUINERIE, Nice, France. Filed Sept. 9, 1925.

*Divine chanson*

*Particular description of goods.*—Perfumes, Viscous, Liquid, and Gaseous: Articles of Perfumery, Facial and Hair Lotions, and Beauty, Toilet, Skin, and Nail Preparations.
*Claims use* since July 13, 1920.

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Ser. No. 220,050. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNION FRANCAISE DE PARFUMERIE ET DE MAROQUINERIE, Nice, France. Filed Sept. 9, 1925.

*Le cœur de Mimi*

*Particular description of goods.*—Perfumes, Viscous, Liquid, and Gaseous; Articles of Perfumery, Facial and Hair Lotions, and Beauty, Toilet, Skin, and Nail Preparations.
*Claims use* since July 13, 1920.

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Ser. No. 220,051. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNION FRANCAISE DE PARFUMERIE ET DE MAROQUINERIE, Nice, France. Filed Sept. 9, 1925.

*Le jardin en fête*

*Particular description of goods.*—Perfumes, Viscous, Liquid, and Gaseous: Articles of Perfumery, Facial and Hair Lotions, and Beauty, Toilet, Skin, and Nail Preparations.
*Claims use* since July 13, 1920.

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Ser. No. 220,052. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNION FRANCAISE DE PARFUMERIE ET DE MAROQUINERIE, Nice, France. Filed Sept. 9, 1925.

*Tout l'Azur*

*Particular description of goods.*—Perfumes, Viscous, Liquid, and Gaseous: Articles of Perfumery, Facial and Hair Lotions, and Beauty, Toilet, Skin, and Nail Preparations.
*Claims use* since July 13, 1920.

Ser. No. 220,055. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. ZUARO & SON, Brooklyn, N. Y. Filed Sept. 9, 1925.

No claim is made to the words "Brand" and "Macaroni" apart from the mark shown on the drawing.
*Particular description of goods.*—Loose-Packed and Canned Macaroni.
*Claims use* since July 1, 1925.

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Ser. No. 220,067. (CLASS 39. CLOTHING.) GATELY CLOTHING COMPANY, Chicago, Ill. Filed Sept. 10, 1925.

No claim is herein made to "Guaranteed," "Sun Proof," "Blue Serge Suit," "15 Ounce All Wool," and "Blue" apart from the mark as shown in the drawing.
*Particular description of goods.*—Men's Suits.
*Claims use* since about Oct. 1, 1924.

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Ser. No. 220,090. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AGATHA SCOWEN, doing business as Nest-O-Line Company, New York, N. Y. Filed Sept. 10, 1925.

Applicant disclaims the words "Dandruff Remedy" apart from the mark shown in the drawing. The portrait shown is fanciful.
*Particular description of goods.*—Dandruff Remedy.
*Claims use* since Aug. 1, 1924.

Ser. No. 220,102. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AMERICAN FLYER MFG. CO., Chicago, Ill. Filed Sept. 11, 1925.

NEW YORK EXPRESS

The words "New York" do not form a part of the mark sought to be registered apart from the mark shown in the drawing.

*Particular description of goods.*—Miniature Railroads.
*Claims use* since July 19, 1922.

Ser. No. 220,125. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREEZNO COMPANY, Douglas, Wyo. Filed Sept. 11, 1925.

*Particular description of goods.*—Antifreezing Compound for Radiators.
*Claims use* since Aug. 15, 1925.

Ser. No. 220,137. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PURITY COSMETIC CO., Bemidji, Minn. Filed Sept. 10, 1925.

*Particular description of goods.*—Face Cream.
*Claims use* since June, 1925.

Ser. No. 220,138. (CLASS 15. OILS AND GREASES.) QUAKER OIL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Sept. 11, 1925.

VALLEY FORGE

Trade-mark consists of the words or title "Valley Forge."

*Particular description of goods.*—Lubricating Oils and Greases.
*Claims use* since about Aug. 24, 1925.

Ser. No. 220,141. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) REISS-PREMIER PIPE CO., New York, N. Y. Filed Sept. 11, 1925.

*Particular description of goods.*—Pipes, Cigar and Cigarette Holders, and Hookahs.
*Claims use* since Nov. 1, 1924.

Ser. No. 220,147. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WILLIAM JOHN SHRADER, Chicago, Ill. Filed Sept. 11, 1925.

*Particular description of goods.*—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirups for Making the Same.
*Claims use* since June, 1924.

Ser. No. 220,172. (CLASS 17. TOBACCO PRODUCTS.) BATUK CIGARS INCORPORATED, Philadelphia, Pa. Filed Sept. 12, 1925.

YUNGFELLO

*Particular description of goods.*—Cigars.
*Claims use* since on or about June 1, 1924.

Ser. No. 220,181. (CLASS 6. CHEMICALS MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EFFIE M. DAVIS, Syracuse, N. Y. Filed Sept. 12, 1925.

Nettete

*Particular description of goods.*—Deodorant and Preventive of Perspiration.
*Claims use* since Apr. 9, 1925.



Ser. No. 220,182. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DILL COMPANY, Norristown, Pa. Filed Sept. 12, 1925.

Epsotabs

Trade-mark consists in the word "Epsotabs."

*Particular description of goods.*—Laxative Medicine.
*Claims use* since Aug. 17, 1925.

Ser. No. 220,206. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE C. G. SPRING AND BUMPER COMPANY, Detroit, Mich. Filed Sept. 12, 1925.

BODYGARD

*Particular description of goods.*—Bumpers.
*Claims use* since about Aug. 27, 1925.

Ser. No. 220,207. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) UNITED STATES FASTENER COMPANY, Boston, Mass. Filed Sept. 12, 1925.

U.S.F.

C O.

*Particular description of goods.*—Snap Fasteners.
*Claims use* since Jan. 1, 1908.

Ser. No. 220,218. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PIETRO CURRERI, New York, N. Y. Filed Sept. 14, 1925.

Guerriero

*Particular description of goods.*—Olive Oil.
*Claims use* since Apr. 8, 1924.

Ser. No. 220,223. (CLASS 38. PRINTS AND PUBLICATIONS.) FAMOUS FEATURES SYNDICATE, INC., New York, N. Y. Filed Sept. 14, 1925.

Film Folk

*Particular description of goods.*—Newspaper Feature Articles.
*Claims use* since July 20, 1925.

Ser. No. 220,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRABSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Sept. 14, 1925.

KLEANROL

*Particular description of goods.*—Soldering Fluxes.
*Claims use* since about Mar. 28, 1925.

Ser. No. 220,242. (CLASS 42, KNITTED, NETTED, AND TEXTILE FABRICS.) MANVILLE JENCKES COMPANY, Pawtucket, R. I. Filed Sept. 14, 1925.

The trade-mark consists of the representation of an Indian on horseback pursuing a buffalo, as shown in the accompanying drawing.

*Particular description of goods.*—Dry Goods—Namely, Sheetings and Drillings.
*Claims use* since December, 1904.

Ser. No. 220,243. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MANVILLE JENCKES COMPANY, Pawtucket, R. I. Filed Sept. 14, 1925.

The trade-mark consists of the representation of a landscape in which appears a sheep in the foreground and a collie dog in the background watching the sheep.

*Particular description of goods.*—Dry goods—Namely, Sheetings and Drillings.
*Claims use* since Mar. 25, 1904.

Ser. No. 220,254. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ROESSLER & HASSLACHER CHEMICAL COMPANY, New York, N. Y. Filed Sept. 14, 1925.

TENSILAC

*Particular description of goods.*—Chemicals Used in the Vulcanization of Rubber, Commonly Known as Rubber Accelerators.
*Claims use* since Sept. 1, 1924.

Ser. No. 220,258. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VIRGINIA STORBY, doing business as Craig Chemical Company, Joplin, Mo. Filed Sept. 14, 1925.

MERACQUIN

*Particular description of goods.*—Medicinal Preparation for the Treatment of Syphilis and Kindred Diseases.
*Claims use* since May 1, 1925.

Ser. 220,260. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE SWEDISH PRODUCE CO., Chicago, Ill. Filed Sept. 14, 1925.

Brus

*Particular description of goods.*—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
*Claims use* since Sept. 1, 1922.

Ser. No. 220,261. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TILLY'S LABORATORY, Newark, N. J. Filed Sept. 14, 1925.

CAB

*Particular description of goods.*—Medicinal Preparation Used in the Treatment of Coughs, Asthma, Bronchitis, Whooping Cough, and Bronchial Catarrh.
*Claims use* since June 5, 1925.

Ser. No. 220,269. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE W. ZIEBOLD, doing business as Waterloo Milling Company, Waterloo, Ill. Filed Sept. 14, 1925.

*Particular description of goods.*—Wheat Flour.
*Claims use* since Aug. 17, 1922.

Ser. No. 220,282. (CLASS 39. CLOTHING.) AMERICAN RETAILERS ASSOCIATION, INC., New York, N. Y. Filed Sept. 15, 1925.

FRANCHETTE

*Particular description of goods.*—Ladies' Suits, Coats, Dresses, Knickerbockers, Waists, Blouses, Shirts, Hats, and Hosiery.
*Claims use* since Aug. 18, 1925.

Ser. No. 220,287. (CLASS 2. RECEPTACLES.) ALBERT C. FRITZ, doing business as Crown Vault Company, Evergreen Park, Ill. Filed Sept. 15, 1925.

*Particular description of goods.*—Burial Vault.
*Claims use* since June 1, 1925.



Ser. No. 220,338. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AVRI DRUG & CHEMICAL COMPANY, Jersey City, N. J. Filed Sept. 17, 1925.

BUG-CIDE

*Particular description of goods.*—Insecticide.
*Claims use* since Jan. 1, 1916.

Ser. No. 220,339. (CLASS 39. CLOTHING.) LAURA FRIEDLANDER, New York, N. Y., and Seabreeze, Daytona Beach, Fla. Filed Sept. 17, 1925.

F·R Laura May

*Particular description of goods.*—Gowns.
*Claims use* since Nov. 1, 1924.

Ser. No. 220,343. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INDUSTRIAL WATER TREATMENT CO., Newark, N. J. Filed Sept. 17, 1925.

RC

*Particular description of goods.*—Compound for Cleaning Automobile Radiators.
*Claims use* since Sept. 15, 1925.

Ser. No. 220,345. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LA VERNE BEAUTY PRODUCTS, Rochester, N. Y. Filed Sept. 17, 1925.

*Particular description of goods.*—Toilet Cream.
*Claims use* since Mar. 10, 1925.

Ser. No. 220,346. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWIN F. LELAND, doing business as The Leland Remedy Co., Minneota, Minn. Filed Sept. 17, 1925.

ChicketS

*Particular description of goods.*—A Medicinal Preparation for the Treatment of Poultry Affected With Roup, Colds, Catarrh, Diphtheria, and Other Diseases and as a Preventive of Contagious Diseases.
*Claims use* since Apr. 15, 1925.

Ser. No. 220,351. (CLASS 33. GLASSWARE.) J. E. MARSDEN GLASS WORKS, INC., Ambler, Pa. Filed Sept. 17, 1925.

No claim is made to the descriptive word "Glass" apart from the mark shown in the drawing.
*Particular description of goods.*—Household Glassware, Glass Trays for General Use, Glass Trays for Supporting Batteries, Electric-Lighting Fixtures Made of Glass, Meter Window Plates, Automobile Lenses, and Window Glass.
*Claims use* since July 28, 1925.

Ser. No. 220,367. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) A. G. SPALDING & BROS., New York, N. Y. Filed Sept. 17, 1925.

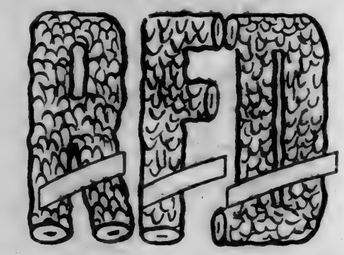
*Particular description of goods.*—Adhesive Tape, Knee and Ankle Braces.
*Claims use* since about Jan. 1, 1900.

Ser. No. 220,391. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Sept. 18, 1925.

Zelio

*Particular description of goods.*—Rodenticides.
*Claims use* since Mar. 7, 1925.

Ser. No. 220,396. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Sept. 18, 1925.



*Particular description of goods.*—Men's Overalls.
*Claims use* since Aug. 15, 1925.

Ser. No. 220,413. (CLASS 17. TOBACCO PRODUCTS.) MILTIADES MELACHRINO, INC., New York, N. Y. Filed Sept. 18, 1925.

MILTIADES

*Particular description of goods.*—Cigarettes.
*Claims use* since March, 1925.

Ser. No. 220,414. (CLASS 39. CLOTHING.) MITCHELL & FRANK KNITTING MILLS, INC., Buffalo, N. Y. Filed Sept. 18, 1925.

JIFFY CHANGE

*Particular description of goods.*—Bathing Suits.
*Claims use* since Sept. 14, 1925.

Ser. No. 220,420. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. T. PIVER, INC., Wilmington, Del., and New York, N. Y. Filed Sept. 18, 1925.

BASANÉE

*Particular description of goods.*—Rouges and Face Powders.
*Claims use* since Sept. 1, 1925.

Ser. No. 220,431. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester England. Filed Sept. 18, 1925.

K-MAS

*Particular description of goods.*—Table Napkins, Tablecloths Sheets, and Pillowcases.
*Claims use* since Aug. 8, 1925.

Ser. No. 220,445. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHERAMY, INC., New York, N. Y. Filed Sept. 19, 1925.

ENCHANTED APRIL

*Particular description of goods.*—Perfumes, Toilet Waters, Face Powder, Dusting Powder, Talcum Powder, Lotion for Face and Skin, Eau de Vegetal, Brilliantine, Face Creams, Rouge, Lip Sticks, Bath Salts, Sachet, and Compacts.
*Claims use* since Sept. 10, 1925.

Ser. No. 220,449. (CLASS 39. CLOTHING.) COHN & HOLT, New York, N. Y. Filed Sept. 19, 1925.

CO=HO

*Particular description of goods.*—Women's Dresses.
*Claims use* since Sept. 1, 1925.

Ser. No. 220,456. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) SEYMOUR M. HERMANN, New York, N. Y. Filed Sept. 19, 1925.

INGRESENE

*Particular description of goods.*—Composition to Assist in Dyeing Operations.
*Claims use* since June 1, 1925.

Ser. No. 220,475. (CLASS 39. CLOTHING.) CHARLES SAAD, Wheeling, W. Va. Filed Sept. 19, 1925.

BIG JEFF

*Particular description of goods.*—Overalls.
*Claims use* since June, 1923.



Ser. No. 220,476. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE SAFETY EQUIPMENT SERVICE COMPANY, Cleveland, Ohio. Filed Sept. 19, 1925.

Drednaut

*Particular description of goods.*—Spectacles and Goggles.
*Claims use* since June 15, 1925.

Ser. No. 220,477. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE SAFETY EQUIPMENT SERVICE COMPANY, Cleveland, Ohio. Filed Sept. 19, 1925.

Super-Drednaut

*Particular description of goods.*—Spectacles and Goggles.
*Claims use* since Sept. 16, 1925.

Ser. No. 220,491. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BI-CAR-GUM CO., INC., New York, N. Y. Filed Sept. 21, 1925.

BI-CAR-GUM

Applicant disclaims exclusive right to use of the word "Gum" apart from the mark shown.
*Particular description of goods.*—Chewing Gum for the Relief of Acid or Sour Stomach.
*Claims use* since Sept. 1, 1925.

Ser. No. 220,492. (CLASS 39. CLOTHING.) BOSTON KNITTING MILLS, INC., Somerville, Mass. Filed Sept. 21, 1925.

VEE

*Particular description of goods.*—Infant's Band.
*Claims use* since June 1, 1919.

Ser. No. 220,525. (CLASS 42. KNITTED NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Sept. 21, 1925.

GRODONA

*Particular description of goods.*—Piece Goods Made of Wool, Silk, and Cotton.
*Claims use* since Aug. 5, 1925.

Ser. No. 220,527. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Sept. 21, 1925.

*Jardin de Printemps*

*Particular description of goods.*—Piece Goods Made of Wool, Silk, and Cotton.
*Claims use* since Sept. 3, 1925.

Ser. No. 220,528. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Sept. 21, 1925.

CROISSONA

*Particular description of goods.*—Piece Goods Made of Wool, Silk, and Cotton.
*Claims use* since Aug. 5, 1925.

Ser. No. 220,535. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDREW PAUL HOUTMANN, doing business as Millville Pharmacy and Houtmann Bros., Woonsocket, R. I. Filed Sept. 21, 1925.

VERUM

*Particular description of goods.*—Cough Sirups.
*Claims use* since Jan. 10, 1924.

Ser. No. 220,539. (CLASS 39. CLOTHING.) JANTZEN KNITTING MILLS, Portland, Ore. Filed Sept. 21, 1925.

WEB-FOOT

*Particular description of goods.*—Bathing Suits and Men's, Women's, and Children's Woolen Outing Coats.
*Claims use* since Aug. 31, 1925.

Ser. No. 220,548. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN KNOBEL & SON, Freeport, Ill. Filed Sept. 21, 1925.

K&S

*Particular description of goods.*—Wheat Flour, Pancake Flour, Buckwheat and Wheat Flour, Pure Buckwheat Flour, Graham Flour, Corn Meal, Pancake Sirup, and Evaporated Milk.
*Claims use* since 1922.

Ser. No. 220,564. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NEW ERA OPTICAL CO., Chicago, Ill. Filed Sept. 21, 1925.

BIVOTEX

*Particular description of goods.*—Ophthalmic Lenses.
*Claims use* since 1922.

Ser. No. 220,571. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WM. B. PORTER, doing business as The Ungol Company, McKeesport, Pa. Filed Sept. 21, 1925.

Ungol

*Particular description of goods.*—Ointment for Skin Diseases.
*Claims use* since about July 10, 1925.

Ser. No. 220,579. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIDNEY M. SIMON, doing business as Beach-Simon Co., Los Angeles, Calif. Filed Sept. 21, 1925.

SASSY JANE

*Particular description of goods.*—Canned Fruit, Canned Vegetables, Canned Fish, Canned Olives, Bulk Olives, and Bottled Olives.
*Claims use* since Aug. 1, 1925.

Ser. No. 220,642. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CRESCENT BELT FASTENER COMPANY, New York, N. Y. Filed Sept. 23, 1925.

J14

*Particular description of goods.*—Rivets, Including Plain, Solid, Slotted, Pronged, Bifurcated, or Tubular.
*Claims use* since September, 1924.

Ser. No. 220,644. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CRESCENT BELT FASTENER COMPANY, New York, N. Y. Filed Sept. 23, 1925.

L9

*Particular description of goods.*—Rivets, Including Plain, Solid, Slotted, Pronged, Bifurcated, or Tubular.
*Claims use* since September, 1924.

Ser. No. 220,645. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CRESCENT BELT FASTENER COMPANY, New York, N. Y. Filed Sept. 23, 1925.

S6

*Particular description of goods.*—Rivets, Including Plain, Slotted, Solid, Pronged, Bifurcated, or Tubular.
*Claims use* since September, 1924.

Ser. No. 220,661. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y. Filed Sept. 23, 1925.

NIRVANA BATH SALTS

The color lining or drawing indicates pink for the background and yellow or gold for the frame and red for the lettering. No claim is made to the exclusive use of the words "Bath Salts" apart from the mark as shown.
*Particular description of goods.*—Bath Salts.
*Claims use* since Jan. 1, 1925.

Ser. No. 220,687. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE SOUGELAS & Co., New York, N. Y. Filed Sept. 23, 1925.

BURNOL

*Particular description of goods.*—Salves and Ointments for the Treatment of Burns.
*Claims use* since July 1, 1925.

Ser. No. 220,695. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CARL ZEISS, Jena, Germany. Filed Sept. 23, 1925.

Telita

*Particular description of goods.*—Telescopes and Field Glasses.
*Claims use* since 1924.



Ser. No. 220,697. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CARL ZEISS, Jena, Germany. Filed Sept. 23, 1925.

Galan

*Particular description of goods.*—Telescopes and Field Glasses.
*Claims use* since 1924.

Ser. No. 220,717. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HILLSIDE COTTON MILLS, La Grange, Ga. Filed Sept. 24, 1925.

Val-tex

*Particular description of goods.*—Rugs Made of Textile Material.
*Claims use* since Mar. 1, 1925.

Ser. No. 220,815. (CLASS 38. PRINTS AND PUBLICATIONS.) WIDDER BROS., New York, N. Y. Filed Sept. 25, 1925.

CREPES
OF THE BETTER KIND

*Particular description of goods.*—Color Card Issued Semiannually on Silks.
*Claims use* since Oct. 1, 1923.

Ser. No. 220,839. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England. Filed Sept. 26, 1925.

MIRAKULA

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Apr. 5, 1925.

Ser. No. 220,840. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GEORGE W. COOKE CO., INC., Brooklyn, N. Y. Filed Sept. 26, 1925.

W
G C
C

*Particular description of goods.*—Faucets.
*Claims use* since Oct. 20, 1924.

Ser. No. 220,857. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE FRED J. MEYERS MANUFACTURING CO., Hamilton, Ohio. Filed Sept. 26, 1925.

MEYCO

*Particular description of goods.*—Grilles.
*Claims use* since Jan. 1, 1925.

Ser. No. 220,877. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DRESCH LABORATORIES CO., Toledo, Ohio. Filed Sept. 26, 1925.

TISSUE-BLEND

*Particular description of goods.*—Gum Coating for Dentures.
*Claims use* since Apr. 1, 1925.

Ser. No. 220,883. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) BOHN ALUMINUM & BRASS CORPORATION, Detroit, Mich. Filed Sept. 28, 1925.

BOHNALITE

*Particular description of goods.*—Castings.
*Claims use* since November, 1922.

Ser. No. 220,904. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KOHLER COMPANY, Kohler, Wis. Filed Sept. 28, 1925.

K-K

*Particular description of goods.*—Pottery Consisting of Lavatories, Closet Bowls, Closet Tanks, Urinals, and Hoppers.
*Claims use* since Sept. 1, 1925.

Ser. No. 220,941. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) N. DIAMOND, Wildwood Crest, N. J. Filed Sept. 29, 1925.

DIASALVE

No claim is made to the word "Salve" apart from the mark shown.
*Particular description of goods.*—Ointment for the Treatment of Skin Diseases, Psoriasis, Piles, and Burns.
*Claims use* since Sept. 25, 1925.

Ser. No. 220,945. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOWARD F. FISH, Westville, N. J. Filed Sept. 29, 1925.

*Particular description of goods.*—Liniment.
*Claims use* since on or about Sept. 1, 1923.

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Ser. No. 220,946. (CLASS 33. GLASSWARE.) GILL BROTHERS COMPANY, Steubenville, Ohio. Filed Sept. 29, 1925.

*Particular description of goods.*—Glass Lamp Chimneys, Glass Reflectors, and Glass Lantern Globes.
*Claims use* since May 22, 1901.

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Ser. No. 220,952. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL JAQUET, Neuilly-sur-Seine, France. Filed Sept. 29, 1925.

**ANANYA**

*Particular description of goods*—Perfumes.
*Claims use* since Apr. 1, 1924.

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Ser. No. 220,953. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL JAQUET, Neuilly-sur-Seine, France. Filed Sept. 29, 1925.

**MADHVA**

*Particular description of goods.*—Perfumes.
*Claims use* since July 1, 1923.

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Ser. No. 220,954. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL JAQUET, Neuilly-sur-Seine, France. Filed Sept. 29, 1925.

**RAHNA**

*Particular description of goods.*—Perfumes.
*Claims use* since May 11, 1924.

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Ser. No. 220,955. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL JAQUET, Neuilly-sur-Seine, France. Filed Sept. 29, 1925.

**TAMYA**

*Particular description of goods.*—Perfumes.
*Claims use* since Apr. 25, 1924.

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Ser. No. 220,956. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL JAQUET, Neuilly-sur-Seine, France. Filed Sept. 29, 1925.

**TAWAO**

*Particular description of goods.*—Perfumes.
*Claims use* since Apr. 25, 1924.

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Ser. No. 220,957. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL JAQUET, Neuilly-sur-Seine, France. Filed Sept. 29, 1925.

**DAMOYA**

*Particular description of goods.*—Perfumes.
*Claims use* since Apr. 25, 1924.

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Ser. No. 220,963. (CLASS 10. FERTILIZERS.) FREDERIC M. LAWRENCE, Philadelphia, Pa. Filed Sept. 29, 1925.

**ADCO**

*Particular description of goods.*—Fertilizing Material.
*Claims use* since Nov. 1, 1924.

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Ser. No. 220,979. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed Sept. 29, 1925.

*Thermopyre*

*Particular description of goods.*—Pyrometers.
*Claims use* since July 1, 1925.

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Ser. No. 220,985. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WITZELL BROS., Baltimore, Md. Filed Sept. 29, 1925.

**FADE-O**

*Particular description of goods.*—Deodorant Cream.
*Claims use* since April, 1925.



Ser. No. 221,116. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. HALFF & BRO., San Antonio, Tex. Filed Oct. 2, 1925.

*Particular description of goods.*—Bleached Woven Cotton Cloth Commonly Called Bleached Domestics.
*Claims use* since May 15, 1925.

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Ser. No. 221,140. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) SMOKERS PRODUCTS, INC., Newark, N. J. Filed Oct. 2, 1925.

**ONE-UP**

*Particular description of goods.*—Tobacco Cases or Pouches.
*Claims use* since July 1, 1925.

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Ser. No. 221,208. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS INC., Saylesville, R. I. Filed Oct. 3, 1925.

**SAYLAMA**

Trade-mark consists of the word "Saylama".
*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since Sept. 16, 1925.

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Ser. No. 221,215. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STEHLI SILKS CORPORATION, New York, N. Y. Filed Oct. 3, 1925.

*Tea for Two Crêpe*

The word "Crêpe" is disclaimed apart from the mark shown in drawing.
*Particular description of goods.*—Silk Piece Goods.
*Claims use* since July 1, 1925.

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Ser. No. 221,253. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Oct. 5, 1925.

*Krepac*

*Particular description of goods.*—Piece Goods Made of Cotton, Silk, and Wool.
*Claims use* since Aug. 10, 1925.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

NOVEMBER 10, 1925.

205,428. LEATHER SHOES. THE MENZIES SHOE COMPANY, Fond du Lac, Wis.
Filed April 20, 1925. Serial No. 213,024. PUBLISHED AUGUST 18, 1925.

205,429. STRANDED SHUNT CABLES FOR BRUSHES. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed April 21, 1925. Serial No. 213,097. PUBLISHED AUGUST 18, 1925.

205,430. INDOOR RADIO ANTENNAE. ROMEYN B. SCRIBNER, doing business as R. B. Scribner Co., New York, N. Y.
Filed April 22, 1925. Serial No. 213,149. PUBLISHED AUGUST 25, 1925.

205,431. MEDICINE FOR RESTORATION OF SEXUAL FUNCTIONS. DANIEL S. O'BRIEN, M. D., Beloit, Kans.
Filed May 5, 1925. Serial No. 213,854. PUBLISHED AUGUST 4, 1925.

205,432. HERB PREPARATION FOR TUBERCULOSIS, STOMACH DISORDERS, AND RHEUMATISM. MRS. J. E. WARD, Omaha, Nebr.
Filed May 7, 1925. Serial No. 214,001. PUBLISHED AUGUST 4, 1925.

205,433. RADIO LOUD SPEAKERS. THE CROSLEY RADIO CORPORATION, Cincinnati, Ohio.
Filed May 8, 1925. Serial No. 214,015. PUBLISHED AUGUST 25, 1925.

205,434. LADIES' AND MISSES' HATS. STANDARD HAT COMPANY, San Francisco, Calif.
Filed May 12, 1925. Serial No. 214,219. PUBLISHED AUGUST 18, 1925.

205,435. ELECTRICALLY-HEATED SADIRONS. LANDERS, FRARY & CLARK, New Britain, Conn.
Filed May 15, 1925. Serial No. 214,370. PUBLISHED AUGUST 4, 1925.

205,436. SALVE FOR THE TREATMENT OF SKIN DISEASE, SYPHILIS, RHEUMATISM, SORE THROAT, CANCER, BOILS, INFLUENZA, SWELLING PAINS, CHICKEN POX, MUMPS, AND DYSENTERY. MARY SLATER, Cleveland, Ohio.
Filed May 18, 1925. Serial No. 214,507. PUBLISHED AUGUST 4, 1925.

205,437. RAW FURS. FAVORITE FUR DYEING AND DRESSING CO., INC., Brooklyn, N. Y.
Filed May 19, 1925. Serial No. 214,540. PUBLISHED AUGUST 4, 1925.

205,438. RADIO RECEIVING SETS. HOLLYWOOD-YALE CORPORATION, Los Angeles, Calif.
Filed May 19, 1925. Serial No. 214,549. PUBLISHED AUGUST 25, 1925.

205,439. PERFUME, TOILET WATER, COLD CREAM, BATH SALTS, SHAMPOO, FACE POWDER, AND TALCUM POWDER. THE BABBITT CO., INC., Philadelphia, Pa.
Filed May 21, 1925. Serial No. 214,639. PUBLISHED AUGUST 4, 1925.

205,440. NAPHTHA IN BLOCK FORM USED AS AN AIR-PURIFIER AGENT AND VERMIN EXTERMINATOR. NEW IDEA AIR PURIFIER CO. INC., Jamaica, N. Y.
Filed May 21, 1925. Serial No. 214,674. PUBLISHED AUGUST 4, 1925.

205,441. REMEDY FOR SKIN DISEASES, SUCH AS ECZEMA, SALT RHEUM, RING WORM, POISON IVY, ETC. SARA E. L. BRICKER WILSON, Montreal, Quebec, Canada.
Filed May 21, 1925. Serial No. 214,700. PUBLISHED AUGUST 4, 1925.

205,442. RADIO RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF. RICHARDSON RADIO, INCORPORATED, New York, N. Y.
Filed May 22, 1925. Serial No. 214,748. PUBLISHED AUGUST 11, 1925.

205,443. RADIO KITS FOR COMPLETE RADIO RECEIVING SETS, RECEIVING SETS, AND RADIO PARTS — NAMELY, CONDENSERS, TRANSFORMERS, VARIOMETERS, AND HEAD PHONES. MAYERS, HERZBERG, CORPORATION, doing business as Eureka Specialty Co., New York, N. Y.
Filed May 25, 1925. Serial No. 214,880. PUBLISHED AUGUST 11, 1925.

205,444. MEN'S HATS. NATHAN S. SHERWIN, Fall River, Mass.
Filed May 28, 1925. Serial No. 215,027. PUBLISHED AUGUST 18, 1925.

205,445. CHEMICAL COMPOSITION AS A REMEDY FOR KILLING DANDRUFF GERMS, STOPPING FALLING HAIR, AND PREVENTING BALDNESS. JONATHAN E. NELSON, Fort Worth, Tex.
Filed June 29, 1925. Serial No. 216,630. PUBLISHED AUGUST 18, 1925.

205,446. BLOOD TONIC. ANDREW F. LIPPI, Philadelphia, Pa.
Filed June 29, 1925. Serial No. 216,590. PUBLISHED AUGUST 18, 1925.

205,447. HAIR TONIC. ATLANTA BARBERS SUPPLY COMPANY, Atlanta, Ga.
Filed June 29, 1925. Serial No. 216,577. PUBLISHED AUGUST 18, 1925.

205,448. BATTERY ACID. L. E. SOUDER & SONS MFG. CO., Bridgeton, N. J.
Filed June 27, 1925. Serial No. 216,567. PUBLISHED AUGUST 18, 1925.

205,449. VAGINAL SUPPOSITORIES. EDWARD GORODESS, doing business at The Gray Chemical Company, New York, N. Y.
Filed June 27, 1925. Serial No. 216,532. PUBLISHED AUGUST 18, 1925.

205,450. LAXATIVES. EDWARD GORODESS, doing business as The Gray Chemical Company, New York, N. Y.
Filed June 27, 1925. Serial No. 216,531. PUBLISHED AUGUST 18, 1925.

205,451. INSECTICIDES. COOPERS CREEK CHEMICAL COMPANY, West Conshohocken, Pa.
Filed June 27, 1925. Serial No. 216,508. PUBLISHED AUGUST 18, 1925.

205,452. HAIRDRESSING FOR COMBING BACK AND KEEPING THE HAIR IN PLACE. BAUER MFG. CO., San Francisco, Calif.
Filed June 27, 1925. Serial No. 216,496. PUBLISHED AUGUST 18, 1925.





205,453. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, CANVAS, OR TEXTILE MATERIAL OR PARTLY OF RUBBER. JAMES M. DALY, Lynn, Mass.
Filed March 14, 1924. Serial No. 193,760. PUBLISHED OCTOBER 7, 1924.

205,454. MEDICINAL COMPOUND IN POWDERED FORM FOR USE AS A REMINERALIZATION OR TONIC PRODUCT. THE DAVIS-JOHNSON CO., Chicago, Ill.
Filed October 13, 1923. Serial No. 186,951. PUBLISHED DECEMBER 16, 1924.

205,455. MEDICINAL COMPOUND IN POWDERED FORM FOR USE AS A REMINERALIZATION OR TONIC PRODUCT. THE DAVIS-JOHNSON CO., Chicago, Ill.
Filed October 13, 1923. Serial No. 186,949. PUBLISHED DECEMBER 30, 1924.

205,456. WIRELESS APPARATUS—NAMELY, VACUUM-TUBE SOCKETS, VACUUM-TUBE RHEOSTATS, CONTACT POINTS, SWITCH STOPS, SWITCH LEVERS, BINDING POSTS, AND HEAD SETS. PITTSBURGH RADIO AND APPLIANCE COMPANY, INC., Pittsburgh, Pa.
Filed July 25, 1923. Serial No. 183,667. PUBLISHED AUGUST 11, 1925.

205,457. WOMEN'S COMBINATION GARMENTS CONSISTING OF A BLOUSE, KNICKERBOCKERS, AND A SLASHED SKIRT. MIKE WEINBERG DRESS COMPANY, New York, N. Y.
Filed April 16, 1923. Serial No. 179,248. PUBLISHED AUGUST 25, 1925.

205,458. MEN'S, WOMEN'S, BOYS', AND GIRLS' LEATHER AND FABRIC SHOES. HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo.
Filed March 5, 1923. Serial No. 176,988. PUBLISHED AUGUST 18, 1925.

205,459. BREAKFAST CEREALS. J. MOS RUTHRAUFF, Tucson, Ariz.
Filed March 3, 1923. Serial No. 176,918. PUBLISHED AUGUST 18, 1925.

205,460. SHOES AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, LEATHER AND FABRIC, LEATHER AND RUBBER, AND RUBBER AND FABRIC. A. J. BATES COMPANY, Webster, Mass.
Filed June 6, 1921. Serial No. 148,704. PUBLISHED JANUARY 24, 1922.

205,461. COTTON GLOVES, JERSEY GLOVES, AND LEATHER-PALM COMBINATION GLOVES. WELLS-LAMONT MFG. CO., Minneapolis, Minn.
Filed June 19, 1925. Serial No. 216,081. PUBLISHED AUGUST 25, 1925.

205,462. LINGERIE AND BRASSIÈRES. ALYBAR SILKS, INC., Rome, N. Y.
Filed June 22, 1925. Serial No. 216,133. PUBLISHED AUGUST 25, 1925.

205,463. MEDICINE FOR USE IN THE TREATMENT OF COUGHS, COLDS, AND PNEUMONIA. JAMES G. HOUCK, Lima, Ohio.
Filed June 22, 1925. Serial No. 216,180. PUBLISHED AUGUST 4, 1925.

205,464. STRAW AND FELT HATS FOR MEN, WOMEN, AND CHILDREN. THE MALLORY HAT COMPANY, Danbury, Conn.
Filed June 23, 1925. Serial No. 216,277. PUBLISHED AUGUST 25, 1925.

205,465. LADIES' HATS. RAINBO INC., Chicago, Ill.
Filed June, 23, 1925. Serial No. 216,289. PUBLISHED AUGUST 25, 1925.

205,466. VACUUM TUBES FOR RADIO APPARATUS. STEWART-WARNER SPEEDOMETER CORPORATION, Chicago, Ill.
Filed June 26, 1925. Serial No. 216,486. PUBLISHED AUGUST 25, 1925.

205,467. ELECTRIC GENERATORS. ROTH BROTHERS & COMPANY, Chicago, Ill.
Filed June 29, 1925. Serial No. 216,648. PUBLISHED AUGUST 25, 1925.

205,468. PORTABLE ELECTRIC LAMPS. THE GEBIST MANUFACTURING COMPANY, New Haven, Conn.
Filed July 3, 1925. Serial No. 216,830. PUBLISHED AUGUST 25, 1925.

205,469. ELECTRIC SEARCHLIGHTS. AMERICAN FIRE EQUIPMENT CO., Boston, Mass.
Filed July 6, 1925. Serial No. 216,865. PUBLISHED AUGUST 25, 1925.

205,470. RADIO RECEIVING SETS AND PARTS THEREOF. THERMIODYNE RESEARCH LABORATORIES, New York, N. Y.
Filed July 6, 1925. Serial No. 216,950. PUBLISHED AUGUST 25, 1925.

205,471. ELECTRIC VACUUM CLEANERS. EUREKA SALES COMPANY, Indianapolis, Ind.
Filed July 7, 1925. Serial No. 216,969. PUBLISHED AUGUST 25, 1925.

205,472. THREE-ELEMENT VACUUM RADIOTUBES. C-T RADIO CORPORATION, New York, N. Y.
Filed July 11, 1925. Serial No. 217,206. PUBLISHED AUGUST 25, 1925.

205,473. RADIO RECEIVING SETS AND PARTS—NAMELY, CONDENSERS, VARIOMETERS, HEAD PHONES, AND SWITCHES. RELIANCE RADIO SUPPLY COMPANY, New York, N. Y.
Filed October 13, 1924. Serial No. 203,836. PUBLISHED AUGUST 25, 1925.

205,474. SHOES MADE OF LEATHER, RUBBER, CANVAS, OR ANY COMBINATION OF SAME. HOFHEIMER BROTHERS COMPANY, Norfolk, Va.
Filed September 27, 1924. Serial No. 208,125. PUBLISHED AUGUST 18, 1925.

205,475. LEATHER BOOTS AND SHOES. THOMAS H. LOGAN CO., Hudson, Mass.
Filed July 22, 1924. Serial No. 200,363. PUBLISHED AUGUST 25, 1925.

205,476. HORNS FOR LOUD-SPEAKING RECEIVERS AND FOR THE BASES WHICH SUPPORT SAID HORNS IN CONNECTION WITH RADIO DEVICES. WINKLER-REICHMANN COMPANY, now Reichmann Company, Chicago, Ill.
Filed May 31, 1924. Serial No. 198,551. PUBLISHED JULY 21, 1925.

205,477. SHOES FOR MEN, WOMEN, AND CHILDREN, MADE OF FABRIC AND IMITATION LEATHER IN WHOLE OR COMBINED WITH LEATHER, HAVING EITHER FABRIC, IMITATION LEATHER, RUBBER, OR LEATHER SOLES, AND WITH OR WITHOUT HEELS. THE FAIR DRY GOODS COMPANY, Eagle Pass, Tex.
Filed June 5, 1924. Serial No. 198,128. PUBLISHED AUGUST 25, 1925.

205,478. SPRAYS, INSECTICIDES, DISINFECTANTS, AND DEODORANTS. HERCULES CHEMICAL CO. INC., Philadelphia, Pa.
Filed May 24, 1924. Serial No. 197,541. PUBLISHED DECEMBER 9, 1924.

205,479. HATS FOR WOMEN. CHICAGO BARGAIN HOUSE, Chicago, Ill.
Filed May 19, 1924. Serial No. 197,256. PUBLISHED NOVEMBER 25, 1924.

205,480. GLOVES AND MITTENS OF LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y.
Filed March 27, 1924. Serial No. 194,521. PUBLISHED NOVEMBER 11, 1924.

205,481. GLOVES AND MITTENS OF LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y.
Filed March 27, 1924. Serial No. 194,518. PUBLISHED NOVEMBER 11, 1924.

205,482. FACE LOTION. CHARLES WOLL. Elizabeth, N. J.
Filed July 9, 1925. Serial No. 217,126. PUBLISHED AUGUST 25, 1925.

205,483. SUPPOSITORIES USED IN THE TREATMENT OF DIABETES. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y.
Filed July 10, 1925. Serial No. 217,140. PUBLISHED AUGUST 25, 1925.

205,484. SUGAR. ALBERT LEO, Chicago, Ill.
Filed July 10, 1925. Ser. No. 217,164. PUBLISHED AUGUST 25, 1925.

205,485. HAIR PREPARATIONS—NAMELY, HAIR GROWER AND PRESSING OIL. HELEN WOODFORK, St. Louis, Mo.
Filed July 9, 1925. Serial No. 217,125. PUBLISHED AUGUST 25, 1925.

205,486. PREPARATION FOR TREATMENT OF THE HAIR. OSEE HARLO, Detroit, Mich.
Filed July 9, 1925. Serial No. 217,093. PUBLISHED AUGUST 25, 1925.

205,487. ANALGESIC AND ANTISEPTIC DENTAL PREPARATION. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 7, 1925. Ser. No. 216,987. PUBLISHED AUGUST 25, 1925.

205,488. RAT VIRUS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 7, 1925. Serial No. 216,986. PUBLISHED AUGUST 25, 1925.

205,489. ROUGES. VIVI, INC., New York, N. Y.
Filed July 6, 1925. Serial No. 216,951. PUBLISHED AUGUST 25, 1925.

205,490. ASTRINGENT AND ANTISEPTIC SOLUTION FOR HALITOSIS FOR USE IN THE MOUTH, NOSE, AND THROAT. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed July 6, 1925. Serial No. 216,914. PUBLISHED AUGUST 25, 1925.

205,491. PREPARATION FOR THE TREATMENT OF TUBERCULOSIS. SISABO DRUG COMPANY, INC., Dover, Del.
Filed July 2, 1925. Serial. No. 216,798. PUBLISHED AUGUST 25, 1925.

205,492. PREVENTIVE OINTMENT AGAINST VENEREAL DISEASES. MARY LEMMERT, doing business as Protect-em Chemical Company, Detroit, Mich.
Filed July 2, 1925. Serial No. 216,787. PUBLISHED AUGUST 25, 1925.

205,493. MALT SIRUP FOR FOOD PURPOSES. KOFFMAN & BLUMENAU, Bay City, Mich.
Filed June 27, 1925. Serial No. 216,547. PUBLISHED AUGUST 25, 1925.

205,494. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,406. PUBLISHED AUGUST 25, 1925.

205,495. MUFFLERS AND SCARFS OF WOVEN MATERIAL MADE OF WOOL, WORSTED, SILK, COTTON, RAYON, CAMEL'S HAIR, ALPACA, OR ANY COMBINATIONS OF SUCH MATERIALS. N. P. & J. TRABULSI, New York, N. Y.
Filed June 23, 1925. Serial No. 216,303. PUBLISHED AUGUST 25, 1925.

205,496. PETROLEUM JELLY AND CATARRHAL JELLY. BENZ TOILET PRODUCTS, INC., Syracuse, N. Y.
Filed June 22, 1925. Serial No. 216,138. PUBLISHED AUGUST 25, 1925.

205,497. HAND CREAM. MELANIE F. JAEGER, doing business as Physicians' Supplies Company. New York, N. Y.
Filed June 20, 1925. Serial No. 216,102. PUBLISHED AUGUST 25, 1925.

205,498. MINERAL SUBSTANCE EMPLOYED IN THE TREATMENT OF RHEUMATISM, GOITER, MALARIA, BRIGHT'S DISEASE, NERVOUSNESS, WEAK STOMACH, FEMALE COMPLAINTS, AND TORPID LIVER. ALBERT T. EMERY, Kansas City, Mo.
Filed June 20, 1925. Serial No. 216,092. PUBLISHED AUGUST 25, 1925.

205,499. RAMIE FIBER THAT HAS BEEN DEGUMMED, CLEANED, AND OPENED. FIBRE DEVELOPMENT COMPANY, Whitinsville, Mass.
Filed June 10, 1925. Serial No. 215,560. PUBLISHED AUGUST 25, 1925.

205,500. PREPARATIONS FOR THE TREATMENT OF HEADACHE, DROWSINESS, BAD TASTE IN THE MOUTH, TORPID LIVER, CONSTIPATION, BILIOUSNESS, NAUSEA, FLATULENCE, BELCHING OF WIND, SOUR STOMACH, DISTRESS AFTER EATING, AND POOR APPETITE. DR. KILMER & Co., Binghamton, N. Y.
Filed June 9, 1925. Serial No. 215,519. PUBLISHED AUGUST 18, 1925.

205,501. CHEMICAL SOLUTION APPLIED OR DESIGNED TO BE APPLIED TO INTERNAL-COMBUSTION ENGINES AS A DETONATION COUNTERACTANT. AMERICAN KATALITE CORPORATION, New York and Brooklyn, N. Y.
Filed June, 8, 1925. Serial No. 215,432. PUBLISHED AUGUST 25, 1925.

205,502. CERTAIN TOILET ARTICLES. BARNÄNGENS TECKN. FABRIKERS A. B., Stockholm, Sweden.
Filed December 1, 1922. Serial No. 172,721. PUBLISHED AUGUST 11, 1925.

205,503. ELECTRICALLY-OPERATED TILTING REFLECTORS FOR LIGHT-PROJECTING DEVICES. THE FEDERAL MANUFACTURING COMPANY, Columbus, Ohio, assignor to Leo R. Yeager, Columbus, Ohio.
Filed September 7, 1923. Serial No. 185,458. PUBLISHED AUGUST 25, 1925.

205,504. PASTES, POWDERS, AND LIQUIDS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR, AND PERFUMERY. SOCIÉTÉ ANONYME DES ETABLISSEMENTS ROUZAUD "A LA MARQUISE DE SÉVIGNE" CHOCOLAT DE ROYAT, Royat-les-Bains, France.
Filed June 14, 1924. Serial No. 198,591. PUBLISHED MARCH 31, 1925.

205,505. CERTAIN TOILET ARTICLES. LES PARFUMS DE ROSINE, New York, N. Y.
Filed July 21, 1924. Serial No. 200,826. PUBLISHED AUGUST 11, 1925.

205,506. WATER SOFTENER. WALTER H. HILL, doing business as Craxit Chemical Co., Peoria, Ill.
Filed August 11, 1924. Serial No. 201,238. PUBLISHED AUGUST 11, 1925.

205,507. GERMICIDE OR ANTISEPTIC. ABBOTT LABORATORIES, Chicago, Ill.
Filed November 13, 1924. Serial No. 205,188. PUBLISHED AUGUST 11, 1925.

205,508. SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THE SAME AND ALSO OF VARIOUS COMPOSITIONS IN PART AND AS A WHOLE. NU-WAY SHOE CO., New York, N. Y.
Filed November 13, 1924. Serial No. 205,224. PUBLISHED AUGUST 25, 1925.

205,509. TOILET ARTICLE IN THE FORM OF A POWDER AND USED TO RELIEVE WRINKLES, SUNBURN, FRECKLES, AND PIMPLES. THE WRINKLE-INE CHEMICAL COMPANY, Denver, Colo.
Filed December 12, 1924. Serial No. 206,649. PUBLISHED AUGUST 4, 1925.

205,510. HÆMOSTATIC. FLINT, EATON & COMPANY, Decatur, Ill.
Filed January 15, 1925. Serial No. 208,131. PUBLISHED AUGUST 4, 1925.



205,511. PERFUMES, TOILET WATERS, FACE LOTIONS, FACE CREAMS, FACE AND TOILET POWDERS, ROUGES, AND LIP STICK AND BATH SALTS. STORRER LABORATORIES, INC., New York, N. Y.
Filed February 28, 1925. Serial No. 210,320. PUBLISHED AUGUST 18, 1925.

205,512. MEN'S AND YOUNG MEN'S SUITS AND OUTER COATS IN ONE, TWO, THREE, AND FOUR PIECE GARMENTS; OVERCOATS, TOPCOATS, SACK COATS, WAISTCOATS, KNICKERS, AND BREECHES. FRUHAUF BROS & CO., New York, N. Y.
Filed March 17, 1925. Serial No. 211,162. PUBLISHED AUGUST 25, 1925.

205,513. GLOVES OF LEATHER, RUBBER, AND FABRIC, OF LEATHER AND RUBBER, OF LEATHER AND FABRIC, AND OF RUBBER AND FABRIC. C. D. OSBORN CO., Chicago, Ill.
Filed March 26, 1925. Serial No. 211,695. PUBLISHED AUGUST 18, 1925.

205,514. GLOVES OF LEATHER, RUBBER, AND FABRIC, OF LEATHER AND RUBBER, OF LEATHER AND FABRIC, AND OF RUBBER AND FABRIC. C. D. OSBORN CO., Chicago, Ill.
Filed March 26, 1925. Serial No. 211,696. PUBLISHED AUGUST 18, 1925.

205,515. GLOVES OF LEATHER, RUBBER, AND FABRIC, OF LEATHER AND RUBBER, OF LEATHER AND FABRIC, AND OF RUBBER AND FABRIC. C. D. OSBORN CO., Chicago, Ill.
Filed March 26, 1925. Serial No. 211,697. PUBLISHED AUGUST 18, 1925.

205,516. STORAGE-BATTERY SOLUTION. G. J. AGE & Co., Muscatine, Iowa.
Filed May 7, 1925. Serial No. 213,945. PUBLISHED AUGUST 18, 1925.

205,517. LIQUID MEDICAL PREPARATION FOR THE RELIEF OF INDIGESTION. ROYAL PRESCRIPTIONS COMPANY, INC., Oneonta, N. Y.
Filed May 21, 1925. Serial No. 214,689. PUBLISHED AUGUST 18, 1925.

205,518. HAIRDRESSING CREAM. ISIDOR POSNER, New York, N. Y.
Filed June 1, 1925. Serial No. 215,178. PUBLISHED AUGUST 25, 1925.

205,519. PREPARATION FOR EXTERMINATING RATS. CARPENTER'S ANTIRATUM COMPANY, Washington, D. C.
Filed June 10, 1925. Serial No. 215,551. PUBLISHED AUGUST 11, 1925.

205,520. CHEMICAL MATERIALS FOR USE AS CATALYST. MINE SAFETY APPLIANCES COMPANY, Pittsburgh, Pa.
Filed June 10, 1925. Serial No. 215,581. PUBLISHED AUGUST 18, 1925.

205,521. MIXTURES OF OXYGEN AND CARBON DIOXIDE FOR TREATING ASPHYXIA FROM CARBON MONOXIDE, ALCOHOLIC INTOXICATION, DIETHERIZATION, MORPHINE NARCOSIS FOR PREVENTION OF RESPIRATORY FAILURE AND FOR AIDING IN RESUSCITATION AFTER RESPIRATORY FAILURE DUE TO ANY CAUSE. MINE SAFETY APPLIANCES COMPANY, Pittsburgh, Pa.
Filed June 10, 1925. Serial No. 215,580. PUBLISHED AUGUST 18, 1925.

205,522. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, TALCUM POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, AND SACHETS. PARIS LABORATORIES, New York, N. Y.
Filed June 26, 1925. Serial No. 216,473. PUBLISHED AUGUST 18, 1925.

205,523. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, AND SACHETS. VIVI, INC., New York, N. Y.
Filed June 26, 1925. Serial No. 216,489. PUBLISHED AUGUST 18, 1925.

205,524. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, AND SACHETS. VIVI, INC., New York, N. Y.
Filed June 26, 1925. Serial No. 216,490. PUBLISHED AUGUST 18, 1925.

205,525. INSECTICIDES AND FUNGICIDES. NEW YORK INSECTICIDE CO., Medina, N. Y.
Filed June 26, 1925. Serial No. 216,471. PUBLISHED AUGUST 11, 1925.

205,526. DRY SURGICAL DRESSING AND ANTISEPTIC HEALING POWDER. H. K. MULFORD COMPANY, Philadelphia, Pa.
Filed June 26, 1925. Serial No. 216,470. PUBLISHED AUGUST 11, 1925.

205,527. LYE. WM. SCHIELD MFG. CO., St. Louis, Mo.
Filed June 25, 1925. Serial No. 216,432. PUBLISHED AUGUST 11, 1925.

205,528. NONFREEZING SOLUTION FOR AUTOMOBILE RADIATORS. POLAR PRODUCTS COMPANY, Eau Claire, Wis.
Filed June 25, 1925. Serial No. 216,429. PUBLISHED AUGUST 11, 1925.

205,529. OVERALLS. EMMET A. JONES, Atlanta, Ga.
Filed June 24, 1925. Serial No. 216,344. PUBLISHED AUGUST 25, 1925.

205,530. MUFFLERS AND SCARFS OF WOVEN MATERIAL MADE OF WOOL, WORSTED, SILK, COTTON, RAYON, CAMEL'S HAIR, ALPACA, OR ANY COMBINATIONS OF SUCH MATERIALS. N. P. & J. TRABULSI, New York, N. Y.
Filed June 23, 1925. Serial No. 216,302. PUBLISHED AUGUST 25, 1925.

205,531. FACE POWDERS, FACE CREAMS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, TALCUM POWDERS, AND SACHETS. THE ELCAYA COMPANY, INC., Long Island City, N. Y.
Filed June 22, 1925. Serial No. 216,165. PUBLISHED AUGUST 18, 1925.

205,532. TOILET PREPARATIONS. LENTHERIC, INC., New York, N. Y.
Filed June 16, 1925. Serial No. 215,862. PUBLISHED AUGUST 11, 1925.

205,533. PREPARATIONS FOR TREATING THE HAIR. GERTRUDE BERNSTEIN, doing business as Williamsburg Barber Supply Co., Brooklyn, N. Y.
Filed June 16, 1925. Serial No. 215,844. PUBLISHED AUGUST 11, 1925.

205,534. ASTRINGENT. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed June 15, 1925. Serial No. 215,800. PUBLISHED AUGUST 11, 1925.

205,535. LIQUID AND CREAM ROUGE. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed June 15, 1925. Serial No. 215,799. PUBLISHED AUGUST 11, 1925.

205,536. SKIN CREAM. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed June 15, 1925. Serial No. 215,797. PUBLISHED AUGUST 11, 1925.

205,537. ASTRINGENT. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed June 15, 1925. Serial No. 215,796. PUBLISHED AUGUST 11, 1925.

205,538. PREPARATION TO DESTROY THE CARBON FORMED IN INTERNAL-COMBUSTION ENGINES. EMBRY BROTHERS, INC., Melrose, Mass.
Filed June 15, 1925. Serial No. 215,779. PUBLISHED AUGUST 11, 1925.

205,539. TEXTILE STARCH. CLINTON CORN SYRUP REFINING COMPANY, Clinton, Iowa.
Filed June 15, 1925. Serial No. 215,770. PUBLISHED AUGUST 11, 1925.

205,540. PREPARATION FOR THE TREATMENT OF COLDS, CATARRH, AND ASTHMA. C. S. LONG, Portland, Oreg.
Filed June 13, 1925. Serial No. 215,749. PUBLISHED AUGUST 18, 1925.

205,541. CHOCOLATE-COATED CONCENTRATES OF ACIDOPHILUS BACILLI IN AGAR CUBES. H. K. MULFORD COMPANY, Philadelphia, Pa.
Filed June 10, 1925. Serial No. 215,587. PUBLISHED AUGUST 11, 1925.

205,542. ELECTRIC STARTING APPARATUS FOR INTERNAL-COMBUSTION ENGINES, ELECTRIC LIGHTING APPARATUS, ELECTRIC IGNITION APPARATUS, ELECTRIC SIGNAL HORNS, AND ELECTRIC MOTORS FOR GENERAL USE. NORTH EAST ELECTRIC COMPANY, Rochester, N. Y.
Filed April 17, 1925. Serial No. 212,864. PUBLISHED AUGUST 4, 1925.

205,543. SHAPED HEEL INSERT MADE OF RUBBER OR OTHER SUITABLE MATERIAL AND ADAPTED TO BE PLACED IN SAID SHOE AT THE HEEL PORTION THEREOF TO PREVENT SILK STOCKINGS FROM WEARING BY COMING IN CONTACT WITH AND RUBBING AGAINST THE LEATHER OF THE SHOE. GOTHAM SILK HOSIERY CO. INC., New York, N. Y.
Filed April 13, 1925. Serial No. 212,605. PUBLISHED AUGUST 18, 1925.

205,544. CHEMICAL COMPOUND, WHICH, WHEN ADDED TO CERTAIN PETROLEUM OR OTHER HYDROCARBON PRODUCTS, SUCH AS GASOLINE, PRODUCES A MOTOR FUEL PARTICULARLY DESIGNED AND ADAPTED FOR USE IN INTERNAL-COMBUSTION ENGINES OF MOTOR VEHICLES TO INCREASE MILEAGE, POWER, AND ACCELERATION, TO REMOVE AND PREVENT CARBON DEPOSITING, TO LUBRICATE CYLINDER WALLS, AND TO ELIMINATE DETONATION AND KNOCKS. KLEENER MANUFACTURING CO., Germantown, Philadelphia, Pa.
Filed April 8, 1925. Serial No. 212,384. PUBLISHED AUGUST 4, 1925.

205,545. TRANSMISSION, BRAKE, AND FRICTION LININGS. WORLD BESTOS CORPORATION, New York, N. Y.
Filed April 7, 1925. Serial No. 212,358. PUBLISHED JULY 14, 1925.

205,546. BRASSIÈRES AND GIRDLES. V. B. BRASSIERE CO., New York, N. Y.
Filed April 1, 1925. Serial No. 212,052. PUBLISHED AUGUST 25, 1925.

205,547. MEDICINES FOR CERTAIN NAMED PURPOSES. HAYUNGA'S PHARMACY AND DUNDAS DRUG COMPANY, New York, N. Y.
Filed April 1, 1925. Serial No. 212,000. PUBLISHED AUGUST 4, 1925.

205,548. LEATHER SOLES, TAPS, AND SLIP SOLES. PENN LEATHER COMPANY, Philadelphia, Pa.
Filed March 27, 1925. Serial No. 211,757. PUBLISHED AUGUST 25, 1925.

205,549. STORAGE-BATTERY PLATES AND PARTS THEREOF. HARRISON SMITH COMPANY, Oklahoma City, Okla.
Filed March 27, 1925. Serial No. 211,745. PUBLISHED AUGUST 25, 1925.

205,550. PERFUMES AND HYGIENIC PRODUCTS—NAMELY, BATH SALTS, ASTRINGENTS, COLD CREAMS, COMPACTS, FACE PACKS, TOILET POWDERS, REFILLS, SHAMPOOS, TALCUM POWDERS, EYEDROPS, TOILET WATERS, SMELLING SALTS, AROMATIC VINEGARS, SKIN CREAMS, FACE POWDERS, ROUGES, SKIN BLEACHES, LIP STICKS, EYEBROW PENCILS, BEAUTY CLAY, VANISHING CREAMS, SACHETS, FACIAL PAINTS, AND HAIR, FACE, AND HAND AND FOOT LOTIONS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed March 26, 1925. Serial No. 211,673. PUBLISHED AUGUST 4, 1925.

205,551. RADIO RECEIVING SETS AND ACCESSORIES—NAMELY, DIALS, SOCKETS, CRYSTALS, CRYSTAL RECTIFIERS, TRANSFORMERS, AND JACKS. RAYMOND B. YALE, doing business as Yale Radio Electric Company, Los Angeles, Calif.
Filed March 21, 1925. Serial No. 211,436. PUBLISHED AUGUST 25, 1925.

205,552. SAFETY CUT-OFF FOR ELECTRICAL APPARATUS. E. MEYER-BOCHSLER, Zurich, Switzerland.
Filed March 18, 1925. Serial No. 211,219. PUBLISHED AUGUST 4, 1925.

205,553. CONDENSERS AND SOCKETS FOR VACUUM TUBES FOR RADIO APPARATUS AND PARTS THEREOF. NELSON TOOL COMPANY INC., New York, N. Y.
Filed March 13, 1925. Serial No. 210,975. PUBLISHED AUGUST 25, 1925.

205,554. RADIO RECEIVING SETS, LOUD SPEAKERS AND UNITS, TRANSFORMERS, TUNING UNITS, PLUGS, VARIABLE CONDENSERS, JACKS, DIALS, AND SOCKETS. ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill.
Filed March 2, 1925. Serial No. 210,372. PUBLISHED MAY 26, 1925.

205,555. LINIMENTS. THE PENETRENE CORPORATION, Cleveland, Ohio.
Filed February 27, 1925. Serial No. 210,252. PUBLISHED AUGUST 4, 1925.

205,556. INCLOSED ELECTRIC-LIGHTING UNITS. FULLERTON ELECTRIC CO. INC., New York, N. Y.
Filed February 24, 1925. Serial No. 210,055. PUBLISHED JUNE 9, 1925.

205,557. RADIO APPARATUS—NAMELY, RADIO RECEIVING SETS COMPLETELY ASSEMBLED, RADIO KITS CONSISTING OF A BOX OR OTHER CONTAINER CONTAINING THE UNASSEMBLED PARTS OF A RADIO RECEIVING SET, RADIOTRANSFORMERS, RADIOCONDENSERS, RADIORHEOSTATS, RADIOPOTENTIOMETERS, RADIOCOILS, RADIODIALS, RADIOPANELS, RADIOJACKS, RADIO TUBE SOCKETS, RADIOCABLES, RADIO BINDING POSTS, LOUD SPEAKERS, SWITCHES, PLUGS, AND TERMINALS. MARATHON RADIO CORPORATION, San Francisco, Calif.
Filed January 5, 1925. Serial No. 207,665. PUBLISHED AUGUST 25, 1925.

205,558. MICROPHONES, ELECTRICALLY-OPERATED LOUD SPEAKERS, ELECTROSTATIC-SOUND REPRODUCERS, IONIZED AIR-GAP SOUND RECEIVERS, TELEPHONE TRANSMITTERS AND RECEIVERS, GLOW DISCHARGE TUBES, ELECTRICALLY-OPERATED MACHINES FOR PHOTOGRAPHICALLY RECORDING SOUND ON TRANSPARENT FILMS, ELECTRICALLY-OPERATED MACHINES FOR REPRODUCING SOUND PHOTOGRAPHICALLY RECORDED ON TRANSPARENT FILMS, PHOTOELECTRIC CELLS, AND THERMIONIC AMPLIFIERS. TRI-ERGON A.-G., Zurich, Switzerland.
Filed December 29, 1924. Serial No. 207,417. PUBLISHED AUGUST 18, 1925.



205,559. LADIES' HATS. SADIE PERLYSKY, Hartford, Conn.
Filed January 29, 1925. Serial No. 208,822. PUBLISHED AUGUST 18, 1925.

205,560. RADIO SETS, RADIO APPARATUS—NAMELY, RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF, TRANSFORMERS, AMPLIFYING HORNS, CONDENSERS, HEAD SETS, AND PARTS THEREOF. AMERICAN INTERSTATE RADIO SERVICE, New York, N. Y.
Filed December 16, 1924. Serial No. 206,760. PUBLISHED APRIL 7, 1925.

205,561. RADIO RECEIVING SETS AND PARTS THEREOF. ADAMS MORGAN COMPANY, INC., Upper Montclair, N. J.
Filed December 15, 1924. Serial No. 206,711. PUBLISHED MARCH 10, 1925.

205,562. CANDY. THE SWEETS COMPANY OF AMERICA, INC., New York, N. Y.
Filed December 4, 1924. Serial No. 206,262. PUBLISHED APRIL 28, 1925.

205,563. MEDICINES FOR HEADACHES, MEGRIMS, HAY FEVER, INFLUENZA, ARTERIOSCLEROSIS, TUBERCULOSIS, CHLOROSIS, SEASICKNESS, DIPHTHERIA, AND WHOOPING COUGH, DOG'S DISTEMPER, AND CHILBLAINS, CREAM FOR COLD IN THE HEAD, DIETETIC ALIMENTS, LOTIONS FOR THE HAIR, HAIR OIL, AND DENTIFRICES OF ALL KINDS. INTERNATIONALE LABORATORIEN ARLESHEIM A. G., Arlesheim, Switzerland.
Filed November 25, 1924. Serial No. 205,880. PUBLISHED JULY 21, 1925.

205,564. MEDICINES—NAMELY, UNGUENT FOR THE RELIEF OF PAIN, LOTION FOR THE RELIEF OF PAIN, BODY MASSAGE LOTION, REFRESHING LOTION, SUNBURN MEDICINE, MEDICINE FOR ASTHMA, RHEUMATISM, THROAT AFFECTIONS, HEADACHE, TOOTHACHE, FEVER, WOUNDS, AND POISON IVY. PIETRO MARISCA, Los Angeles, Calif.
Filed November 24, 1924. Serial No. 205,769. PUBLISHED FEBRUARY 24, 1925.

205,565. MEN'S UNLINED DRESS GLOVES MADE OF LEATHER, OF FABRIC, OF RUBBER, AND OF COMBINATIONS OF THE SAME. O. C. HANSEN MANUFACTURING CO., Milwaukee, Wis.
Filed March 23, 1925. Serial No. 211,469. PUBLISHED AUGUST 8, 1925.

205,566. LADIES' HATS. LICHTENSTEIN & LIBERMAN, INC., New York, N. Y.
Filed June 19, 1925. Serial No. 216,057. PUBLISHED AUGUST 25, 1925.

205,567. BOOTS AND SHOES MADE OF LEATHER, FABRIC, AND OF RUBBER AND OF COMBINATIONS OF THOSE MATERIALS. GOLDIE SHOE CO., Los Angeles, Calif.
Filed May 29, 1925. Serial No. 215,065. PUBLISHED AUGUST 18, 1925.

205,568. AMPLIFIER AND DETECTOR RADIOTUBES. W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y.
Filed June 3, 1925. Serial No. 215,248. PUBLISHED AUGUST 18, 1925.

205,569. RADIO RECEIVING SETS. AIR-OLA RADIO CO., Huntington, W. Va.
Filed June 5, 1925. Serial No. 215,327. PUBLISHED AUGUST 25, 1925.

205,570. FLUSH ELECTRIC SWITCHES. THE BRYANT ELECTRIC COMPANY, Bridgeport, Conn.
Filed June 9, 1925. Serial No. 215,503. PUBLISHED AUGUST 25, 1925.

205,571. MEDICINE FOR CERTAIN NAMED DISEASES. DR. KILMER & CO., Binghamton, N. Y.
Filed June 9, 1925. Serial No. 215,522. PUBLISHED AUGUST 4, 1925.

205,572. PREPARATIONS FOR THE TREATMENT OF COUGHS, COLDS, HOARSENESS, TICKLING IN THE THROAT, SPASMODIC CROUP, CANKERED THROAT, CATARRHAL IRRITATION, TIGHTNESS ACROSS THE CHEST, AND IRRITATED CONDITIONS OF THROAT AND CHEST. DR. KILMER & CO., Binghamton, N. Y.
Filed June 9, 1925. Serial No. 215,523. PUBLISHED AUGUST 4, 1925.

205,573. PREPARATION FOR THE TREATMENT OF THE ORDINARY CURABLE AILMENTS OF THE KIDNEYS, LIVER, BLADDER, AND URINARY ORGANS DUE TO ATONIC CONDITIONS. DR. KILMER & CO., Binghamton, N. Y.
Filed June 9, 1925. Serial No. 215,524. PUBLISHED AUGUST 4, 1925.

205,574. ELECTRIC BATTERIES. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed June 9, 1925. Serial No. 215,526. PUBLISHED AUGUST 25, 1925.

205,575. PORTABLE ELECTRIC DRILLS AND PARTS THEREOF, PORTABLE ELECTRIC VALVE GRINDERS; PORTABLE ELECTRIC SCREW, BOLT, AND NUT DRIVERS; ELECTRIC AIR PUMPS AND AIR COMPRESSORS, PORTABLE ELECTRIC AUGERS AND POST GRINDERS, ELECTRIC BENCH AND FLOOR GRINDERS, ELECTRIC AERIAL GRINDERS, AND PORTABLE ELECTRIC TAPPERS AND STUD SETTERS. THE BLACK & DECKER MANUFACTURING CO., Towson, Heights, Md.
Filed June 10, 1925. Serial No. 215,548. PUBLISHED AUGUST 4, 1925.

205,576. PORTABLE ELECTRIC DRILLS AND PARTS THEREOF, PORTABLE ELECTRIC VALVE GRINDERS; PORTABLE ELECTRIC SCREW, BOLT, AND NUT DRIVERS; ELECTRIC AIR PUMPS AND AIR COMPRESSORS, PORTABLE ELECTRIC AUGERS AND POST GRINDERS, ELECTRIC BENCH AND FLOOR GRINDERS, ELECTRIC AERIAL GRINDERS, AND PORTABLE ELECTRIC TAPPERS AND STUD SETTERS. THE BLACK & DECKER MANUFACTURING CO., Towson Heights, Md.
Filed June 10, 1925. Serial No. 215,549. PUBLISHED AUGUST 4, 1925.

205,577. SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS. GUNNERSON SHOE CO., Los Angeles, Calif.
Filed June 10, 1925. Serial No. 215,567. PUBLISHED AUGUST 25, 1925.

205,578. FACE POWDER, TALCUM POWDER, LIP AND CHEEK ROUGE, PERFUMES, TOILET WATER, AND VEGETAL. JAMES W. MORRISSON, doing business as Jarnac et Cie., Chicago, Ill.
Filed June 11, 1925. Serial No. 215,645. PUBLISHED AUGUST 4, 1925.

205,579. TRANSFORMERS USED IN RADIO RECEIVING SETS. RADIO INDUSTRIES CORPORATION, New York, N. Y.
Filed June 12, 1925. Serial No. 215,705. PUBLISHED AUGUST 18, 1925.

205,580. WOMEN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF BOTH. SOL URBAN, Cincinnati, Ohio.
Filed June 12, 1925. Serial No. 215,719. PUBLISHED AUGUST 18, 1925.

205,581. VARIABLE CONDENSERS FOR RADIO APPARATUS. THE FEIT AND KIMMEL CO., Bluffton, Ohio.
Filed June 13, 1925. Serial No. 215,740. PUBLISHED AUGUST 25, 1925.

205,582. MALTLESS POWDER PREPARATION FOR MAKING SOFT DRINKS. JAMES MULLIGAN, Newark, N. J.
Filed June 13, 1925. Serial No. 215,751. PUBLISHED AUGUST 18, 1925.

205,583. RADIO APPARATUS, AND MORE PARTICULARLY FOR VERNIER INDICATORS FOR RECEIVING DEVICES. WALNART ELECTRIC MFG. CO., Chicago, Ill.
Filed June 13, 1925. Serial No. 215,763. PUBLISHED AUGUST 25, 1925.

205,584. CHILDREN'S SHOES MADE OF LEATHER. HAGERSTOWN SHOE & LEGGING CO., Hagerstown, Md.
Filed June 15, 1925. Serial No. 215,786. PUBLISHED AUGUST 18, 1925.

205,585. CORSETS AND BRASSIÈRES. FRANCO CORSET COMPANY, INC., New York, N. Y.
Filed June 17, 1925. Serial No. 215,908. PUBLISHED AUGUST 18, 1925.

205,586. CORSETS, BRASSIÈRES, GIRDLES, AND HOSE SUPPORTERS. TREO COMPANY, INC., Jamaica, N. Y.
Filed June 17, 1925. Serial No. 215,952. PUBLISHED AUGUST 18, 1925.

205,587. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,404. PUBLISHED AUGUST 25, 1925.

205,588. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,403. PUBLISHED AUGUST 25, 1925.

205,589. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,402. PUBLISHED AUGUST 25, 1925.

205,590. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,401. PUBLISHED AUGUST 25, 1925.

205,591. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,400. PUBLISHED AUGUST 25, 1925.

205,592. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,399. PUBLISHED AUGUST 25, 1925.

205,593. JUTE FIBER THAT HAS BEEN DEGUMMED, CLEANED, AND OPENED. FIBRE DEVELOPMENT COMPANY, Whitinsville, Mass.
Filed June 10, 1925. Serial No. 215,564. PUBLISHED AUGUST 25, 1925.

205,594. HEMP FIBER THAT HAS BEEN DEGUMMED, CLEANED, AND OPENED. FIBRE DEVELOPMENT COMPANY, Whitinsville, Mass.
Filed June 10, 1925. Serial No. 215,563. PUBLISHED AUGUST 25, 1925.

205,595. COCONUT-TREE-BARK FIBER THAT HAS BEEN DEGUMMED, CLEANED, AND OPENED. FIBRE DEVELOPMENT COMPANY, Whitinsville, Mass.
Filed June 10, 1925. Serial No. 215,562. PUBLISHED AUGUST 25, 1925.

205,600. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,407. PUBLISHED AUGUST 25, 1925.

205,601. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,405. PUBLISHED AUGUST 25, 1925.

205,602. COAL. THE KEARNS COAL COMPANY, Cincinnati, Ohio.
Filed June 30, 1925. Serial No. 216,680. PUBLISHED AUGUST 25, 1925.

205,603. SELF-HARDENING PLASTIC COMPOSITION TO BE USED IN BUILDING OPERATIONS. LAWRENCE M. MOORE, Los Angeles, Calif.
Filed June 29, 1925. Serial No. 216,625. PUBLISHED AUGUST 25, 1925.

205,604. WOOD AND COAL STOVES, HEATERS, AND FURNACES. MONTAG STOVE WORKS, Portland, Oreg.
Filed June 29, 1925. Serial No. 216,624. PUBLISHED AUGUST 25, 1925.

205,605. LIVE CANARIES. FRED W. KAEMPFER, doing business at Kaempfer's, Chicago, Ill.
Filed June 27, 1925. Serial No. 216,545. PUBLISHED AUGUST 25, 1925.

205,606. PASTRY SPICE. KNICKERBOCKER MILLS CO., New York, N. Y.
Filed June 30, 1925. Serial No. 216,681. PUBLISHED AUGUST 25, 1925.

205,607. MALT EXTRACT FOR FOOD PURPOSES. JOHN GAUBAS, doing business at Lithuanian Products Co., Chicago, Ill.
Filed July 8, 1925. Serial No. 217,022. PUBLISHED AUGUST 25, 1925.

205,608. CANDLESTICKS; LAMP STANDS, BASES, AND UPRIGHTS; LAMP SHADES, PENDANTS, AND PULLS; AUTOMOBILE TROUBLE-LIGHT COVERS, PORTHOLE LIGHTS, STEAM-RADIATOR-VALVE HANDLES. BAKELITE CORPORATION, New York, N. Y.
Filed July 3, 1925. Serial No. 216,815. PUBLISHED AUGUST 25, 1925.

205,609. BRAKES AND PARTS THEREOF AND OPERATING CONNECTIONS THEREFOR. BENDIX BRAKE COMPANY, Chicago, Ill.
Filed July 1, 1925. Serial No. 216,709. PUBLISHED AUGUST 25, 1925.

205,610. COAL. COAL RIVER COLLIERIES, Huntington, W. Va.
Filed July 1, 1925. Serial No. 216,712. PUBLISHED AUGUST 25, 1925.

205,611. GRAY-HAIR COLOR RESTORER. BENJAMIN T. GALE, doing business as Coloratone Gray Hair Restorer Co., St. Paul, Minn.
Filed July 10, 1925. Serial No. 217,145. PUBLISHED AUGUST 25, 1925.



205,615. NONPOISONOUS LIQUID USED TO DESTROY FLIES, ROACHES, MOSQUITOES, MOTHS, BEDBUGS, ANTS, FLEAS. JAMES FLOYD MCMULLIN, doing business as Fairfax Laboratories, Kansas City, Kans.
Filed April 30, 1925. Serial No. 213,589. PUBLISHED AUGUST 25, 1925.

205,616. CHROME VELVET OOZE SPLITS CONSISTING OF THIN PIECES OF LEATHER FOR LINING SHOES. WRIGHT & WRIGHT, INC., Peabody, Mass.
Filed April 30, 1925. Serial No. 213,608. PUBLISHED AUGUST 25, 1925.

205,617. EFFECTIVE ANALGESIC FOR LOCAL TREATMENT IN INFLUENZA, BRONCHITIS, ASTHMA, CROUP, RHEUMATIC AND NEURALGIC PAINS, AND CATARRHAL CONGESTION. COPELAND & COMPANY, Estelline, Tex.
Filed May 1, 1925. Serial No. 213,616. PUBLISHED AUGUST 18, 1925.

205,618. FILLED COMPACT CASES, REFILLS FOR COMPACT CASES, AND TOILET POWDERS, SUCH AS POWDER SACHET AND DUSTING POWDERS, COLOGNE, COLOGNE WATERS AND EXTRACTS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed May 1, 1925. Serial No. 213,632. PUBLISHED AUGUST 11, 1925.

205,619. PLASTIC MODELING MATERIALS. J. A. BAUER POTTERY CO., INC., Los Angeles, Calif.
Filed May 2, 1925. Serial No. 213,683. PUBLISHED AUGUST 25, 1925.

205,620. COATS FOR MEN AND CHILDREN, PANTS, VESTS, AND OVERCOATS. TRIVERS CLOTHES STORES CORPORATION, New York, N. Y.
Filed May 7, 1925. Serial No. 214,000. PUBLISHED SEPTEMBER 1, 1925.

205,621. WOOD PRESERVATIVES (A LIQUID CHEMICAL). W. P. FULLER & CO., San Francisco, Calif.
Filed May 9, 1925. Serial No. 214,071. PUBLISHED AUGUST 25, 1925.

205,622. PREPARATION FOR SORE THROAT, COUGHS AND COLDS IN THE THROAT, TONSILLITIS, HOARSENESS, SORE MOUTH, APHTHA, THRUSH, CONSISTING OF A LIQUID FOR INTERNAL USE OR FOR GARGLE. HANCE BROTHERS & WHITE, INCORPORATED, Philadelphia, Pa.
Filed May 9, 1925. Serial No. 214,074. PUBLISHED AUGUST 18, 1925.

205,623. PARTING POWDER. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed May 9, 1925. Serial No. 214,082. PUBLISHED AUGUST 25, 1925.

205,624. PREPARATION TO BE USED AS AN ANTISEPTIC, DEODORANT, SHAMPOO, OR IN THE TREATMENT OF EMBALMERS' SORE HANDS OR ECZEMA. THE UNDERTAKERS' SUPPLY COMPANY, Chicago, Ill.

205,627. HAIR TONIC. EMILY GARNER, New York, N. Y.
Filed May 23, 1925. Serial No. 214,791. PUBLISHED AUGUST 18, 1925.

205,628. SKIN LOTION. JOHN J. OWEN, doing business as Owen Chemical Co., Wheeling, W. Va.
Filed May 25, 1925. Serial No. 214,885. PUBLISHED AUGUST 25, 1925.

205,629. PILE REMEDY. WENNER & MACARY, Butte, Mont.
Filed May 25, 1925. Serial No. 214,904. PUBLISHED AUGUST 25, 1925.

205,630. LAUNDRY STARCH. THE J. C. HUBINGER BROS. COMPANY, Keokuk, Iowa.
Filed May 26, 1925. Serial No. 214,916. PUBLISHED AUGUST 25, 1925.

205,631. LADIES' AND MISSES' COATS, SUITS, DRESSES, AND SWEATERS. JOS. ENGEL CO., New York, N. Y.
Filed May 27, 1925. Serial No. 214,951. PUBLISHED AUGUST 11, 1925.

205,632. WEEKLY MAGAZINE. GUENTHER PUBLISHING COMPANY, New York, N. Y.
Filed June 1, 1925. Serial No. 215,149. PUBLISHED JULY 28, 1925.

205,633. CANNED EVAPORATED MILK. THE VAN CAMP PACKING COMPANY, doing business as My Own Company, Indianapolis, Ind.
Filed June 9, 1925. Serial No. 215,541. PUBLISHED AUGUST 25, 1925.

205,634. COATING FOR CONFECTIONS, MORE PARTICULARLY ICE CREAM, AND A THINNER FOR SUCH COATING. LILLYE G. ZUCKERMAN, doing business as Frozen Lolly Co., Detroit, Mich.
Filed June 6, 1925. Serial No. 215,430. PUBLISHED AUGUST 25, 1925.

205,635. WAX FIGURES. SCOUT YOUNGER, Milwaukee, Wis.
Filed June 5, 1925. Serial No. 215,390. PUBLISHED AUGUST 25, 1925.

205,636. MOLASSES, TABLE SIRUP, AND SORGHUM. ALEXANDER MOLASSES COMPANY, Cincinnati, Ohio.
Filed May 29, 1925. Serial No. 215,038. PUBLISHED AUGUST 25, 1925.

205,637. SUGAR. IMPERIAL SUGAR COMPANY, Sugar Land, Tex.
Filed May 26, 1925. Serial No. 214,917. PUBLISHED AUGUST 25, 1925.

205,638. PARTING POWDER. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed May 9, 1925. Serial No. 214,081. PUBLISHED AUGUST 25, 1925.

205,639. BUILDING PAPER. THE BARBER ASPHALT COMPANY, Philadelphia, Pa.
Filed May 9, 1925. Serial No. 214,049. PUBLISHED

205,583. RADIO APPARATUS, AND MORE PARTICULARLY FOR VERNIER INDICATORS FOR RECEIVING DEVICES. WALNART ELECTRIC MFG. CO., Chicago, Ill.
Filed June 13, 1925. Serial No. 215,763. PUBLISHED AUGUST 25, 1925.

205,584. CHILDREN'S SHOES MADE OF LEATHER. HAGERSTOWN SHOE & LEGGING CO., Hagerstown, Md.
Filed June 15, 1925. Serial No. 215,786. PUBLISHED AUGUST 18, 1925.

205,585. CORSETS AND BRASSIÈRES. FRANCO CORSET COMPANY, INC., New York, N. Y.
Filed June 17, 1925. Serial No. 215,908. PUBLISHED AUGUST 18, 1925.

205,586. CORSETS, BRASSIÈRES, GIRDLES, AND HOSE SUPPORTERS. TRIO COMPANY, INC., Jamaica, N. Y.
Filed June 17, 1925. Serial No. 215,952. PUBLISHED AUGUST 18, 1925.

205,587. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,404. PUBLISHED AUGUST 25, 1925.

205,588. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,403. PUBLISHED AUGUST 25, 1925.

205,589. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,402. PUBLISHED AUGUST 25, 1925.

205,590. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,401. PUBLISHED AUGUST 25, 1925.

205,591. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,400. PUBLISHED AUGUST 25, 1925.

205,592. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,399. PUBLISHED AUGUST 25, 1925.

205,593. JUTE FIBER THAT HAS BEEN DEGUMMED, CLEANED, AND OPENED. FIBRE DEVELOPMENT COMPANY, Whitinsville, Mass.
Filed June 10, 1925. Serial No. 215,564. PUBLISHED AUGUST 25, 1925.

205,594. HEMP FIBER THAT HAS BEEN DEGUMMED, CLEANED, AND OPENED. FIBRE DEVELOPMENT COMPANY, Whitinsville, Mass.
Filed June 10, 1925. Serial No. 215,563. PUBLISHED AUGUST 25, 1925.

205,595. COCONUT-TREE-BARK FIBER THAT HAS BEEN DEGUMMED, CLEANED, AND OPENED. FIBRE DEVELOPMENT COMPANY, Whitinsville, Mass.
Filed June 10, 1925. Serial No. 215,562. PUBLISHED AUGUST 25, 1925.

205,596. FLAX FIBER THAT HAS BEEN DEGUMMED, CLEANED, AND OPENED. FIBRE DEVELOPMENT COMPANY, Whitinsville, Mass.
Filed June 10, 1925. Serial No. 215,561. PUBLISHED AUGUST 25, 1925.

205,597. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,410. PUBLISHED AUGUST 25, 1925.

205,598. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,409. PUBLISHED AUGUST 25, 1925.

205,599. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,408. PUBLISHED AUGUST 25, 1925.

205,600. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,407. PUBLISHED AUGUST 25, 1925.

205,601. COTTON WASTE. KILBURN MILL, New Bedford, Mass.
Filed June 25, 1925. Serial No. 216,405. PUBLISHED AUGUST 25, 1925.

205,602. COAL. THE KEARNS COAL COMPANY, Cincinnati, Ohio.
Filed June 30, 1925. Serial No. 216,680. PUBLISHED AUGUST 25, 1925.

205,603. SELF-HARDENING PLASTIC COMPOSITION TO BE USED IN BUILDING OPERATIONS. LAWRENCE M. MOORE, Los Angeles, Calif.
Filed June 29, 1925. Serial No. 216,625. PUBLISHED AUGUST 25, 1925.

205,604. WOOD AND COAL STOVES, HEATERS, AND FURNACES. MONTAG STOVE WORKS, Portland, Oreg.
Filed June 29, 1925. Serial No. 216,624. PUBLISHED AUGUST 25, 1925.

205,605. LIVE CANARIES. FRED W. KAEMPFER, doing business at Kaempfer's, Chicago, Ill.
Filed June 27, 1925. Serial No. 216,545. PUBLISHED AUGUST 25, 1925.

205,606. PASTRY SPICE. KNICKERBOCKER MILLS CO., New York, N. Y.
Filed June 30, 1925. Serial No. 216,681. PUBLISHED AUGUST 25, 1925.

205,607. MALT EXTRACT FOR FOOD PURPOSES. JOHN GAUBAS, doing business at Lithuanian Products Co., Chicago, Ill.
Filed July 8, 1925. Serial No. 217,022. PUBLISHED AUGUST 25, 1925.

205,608. CANDLESTICKS; LAMP STANDS, BASES, AND UPRIGHTS; LAMP SHADES, PENDANTS, AND PULLS; AUTOMOBILE TROUBLE-LIGHT COVERS, PORTHOLE LIGHTS, STEAM-RADIATOR-VALVE HANDLES. BAKELITE CORPORATION, New York, N. Y.
Filed July 3, 1925. Serial No. 216,815. PUBLISHED AUGUST 25, 1925.

205,609. BRAKES AND PARTS THEREOF AND OPERATING CONNECTIONS THEREFOR. BENDIX BRAKE COMPANY, Chicago, Ill.
Filed July 1, 1925. Serial No. 216,709. PUBLISHED AUGUST 25, 1925.

205,610. COAL. COAL RIVER COLLIERIES, Huntington, W. Va.
Filed July 1, 1925. Serial No. 216,712. PUBLISHED AUGUST 25, 1925.

205,611. GRAY-HAIR COLOR RESTORER. BENJAMIN T. GALE, doing business as Coloratone Gray Hair Restorer Co., St. Paul, Minn.
Filed July 10, 1925. Serial No. 217,145. PUBLISHED AUGUST 25, 1925.

205,612. PHARMACEUTICAL PREPARATION (A REMEDY FOR DOGS WITH RUNNING FITS). O. G. EDWARDS, doing business as Southside Pharmacy, Spring Hope, N. C.
Filed July 10, 1925. Serial No. 217,141. PUBLISHED AUGUST 25, 1925.

205,613. CERTAIN NAMED CHEMICAL COMPOUNDS. NIAGARA ALKALI COMPANY, Niagara Falls, N. Y.
Filed June 2, 1925. Serial No. 215,216. PUBLISHED AUGUST 25, 1925.

205,614. PREPARATION FOR HEADACHES, NEURALGIA, RHEUMATISM, COLD, AND GRIPPE. ANDREW LEWIS PENDLETON, doing business as Standard Drug Co., Elizabeth City, N. C.
Filed April 27, 1925. Serial No. 218,401. PUBLISHED AUGUST 25, 1925.



205,615. NONPOISONOUS LIQUID USED TO DESTROY FLIES, ROACHES, MOSQUITOES, MOTHS, BEDBUGS, ANTS, FLEAS. JAMES FLOYD MCMULLIN, doing business as Fairfax Laboratories, Kansas City, Kans.
Filed April 30, 1925. Serial No. 213,589. PUBLISHED AUGUST 25, 1925.

205,616. CHROME VELVET OOZE SPLITS CONSISTING OF THIN PIECES OF LEATHER FOR LINING SHOES. WRIGHT & WRIGHT, INC., Peabody, Mass.
Filed April 30, 1925. Serial No. 213,608. PUBLISHED AUGUST 25, 1925.

205,617. EFFECTIVE ANALGESIC FOR LOCAL TREATMENT IN INFLUENZA, BRONCHITIS, ASTHMA, CROUP, RHEUMATIC AND NEURALGIC PAINS, AND CATARRHAL CONGESTION. COPELAND & COMPANY, Estelline, Tex.
Filed May 1, 1925. Serial No. 213,616. PUBLISHED AUGUST 18, 1925.

205,618. FILLED COMPACT CASES, REFILLS FOR COMPACT CASES, AND TOILET POWDERS, SUCH AS POWDER SACHET AND DUSTING POWDERS, COLOGNE, COLOGNE WATERS AND EXTRACTS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed May 1, 1925. Serial No. 213,632. PUBLISHED AUGUST 11, 1925.

205,619. PLASTIC MODELING MATERIALS. J. A. BAUER POTTERY CO., INC., Los Angeles, Calif.
Filed May 2, 1925. Serial No. 213,683. PUBLISHED AUGUST 25, 1925.

205,620. COATS FOR MEN AND CHILDREN, PANTS, VESTS, AND OVERCOATS. TRIVERS CLOTHES STORES CORPORATION, New York, N. Y.
Filed May 7, 1925. Serial No. 214,000. PUBLISHED SEPTEMBER 1, 1925.

205,621. WOOD PRESERVATIVES (A LIQUID CHEMICAL). W. P. FULLER & CO., San Francisco, Calif.
Filed May 9, 1925. Serial No. 214,071. PUBLISHED AUGUST 25, 1925.

205,622. PREPARATION FOR SORE THROAT, COUGHS AND COLDS IN THE THROAT, TONSILLITIS, HOARSENESS, SORE MOUTH, APHTHA, THRUSH, CONSISTING OF A LIQUID FOR INTERNAL USE OR FOR GARGLE. HANCE BROTHERS & WHITE, INCORPORATED, Philadelphia, Pa.
Filed May 9, 1925. Serial No. 214,074. PUBLISHED AUGUST 18, 1925.

205,623. PARTING POWDER. KRASBEY & MATTISON COMPANY, Ambler, Pa.
Filed May 9, 1925. Serial No. 214,082. PUBLISHED AUGUST 25, 1925.

205,624. PREPARATION TO BE USED AS AN ANTISEPTIC, DEODORANT, SHAMPOO, OR IN THE TREATMENT OF EMBALMERS' SORE HANDS OR ECZEMA. THE UNDERTAKERS' SUPPLY COMPANY, Chicago, Ill.
Filed May 18, 1925. Serial No. 214,520. PUBLISHED AUGUST 11, 1925.

205,625. CHEMICAL SOLUTION WHICH IS APPLIED TO THE WATER SECTIONS OF TANK HEATERS AND LAUNDRY STOVES TO PREVENT RUSTING OF THE METAL AND DISCOLORATION OF THE WATER. RICHARDSON & BOYNTON CO., New York, N. Y.
Filed May 20, 1925. Serial No. 214,617. PUBLISHED AUGUST 18, 1925.

205,626. MEDICINAL TEA IN DRY FORM FOR THE RELIEF OF DROPSY, RHEUMATISM, DISORDERS OF STOMACH AND KIDNEYS, AND GOUT. PAUL WOLLNER, Chicago, Ill.
Filed May 22, 1925. Serial No. 214,765. PUBLISHED AUGUST 11, 1925.

205,627. HAIR TONIC. EMILY GARNER, New York, N. Y.
Filed May 23, 1925. Serial No. 214,791. PUBLISHED AUGUST 18, 1925.

205,628. SKIN LOTION. JOHN J. OWEN, doing business as Owen Chemical Co., Wheeling, W. Va.
Filed May 25, 1925. Serial No. 214,885. PUBLISHED AUGUST 25, 1925.

205,629. PILE REMEDY. WENNER & MACARY, Butte, Mont.
Filed May 25, 1925. Serial No. 214,904. PUBLISHED AUGUST 25, 1925.

205,630. LAUNDRY STARCH. THE J. C. HUBINGER BROS. COMPANY, Keokuk, Iowa.
Filed May 26, 1925. Serial No. 214,916. PUBLISHED AUGUST 25, 1925.

205,631. LADIES' AND MISSES' COATS, SUITS, DRESSES, AND SWEATERS. JOS. ENGEL CO., New York, N. Y.
Filed May 27, 1925. Serial No. 214,951. PUBLISHED AUGUST 11, 1925.

205,632. WEEKLY MAGAZINE. GUENTHER PUBLISHING COMPANY, New York, N. Y.
Filed June 1, 1925. Serial No. 215,149. PUBLISHED JULY 28, 1925.

205,633. CANNED EVAPORATED MILK. THE VAN CAMP PACKING COMPANY, doing business as My Own Company, Indianapolis, Ind.
Filed June 9, 1925. Serial No. 215,541. PUBLISHED AUGUST 25, 1925.

205,634. COATING FOR CONFECTIONS, MORE PARTICULARLY ICE CREAM, AND A THINNER FOR SUCH COATING. LILLIE G. ZUCKERMAN, doing business as Frozen Lolly Co., Detroit, Mich.
Filed June 6, 1925. Serial No. 215,430. PUBLISHED AUGUST 25, 1925.

205,635. WAX FIGURES. SCOUT YOUNGER, Milwaukee, Wis.
Filed June 5, 1925. Serial No. 215,390. PUBLISHED AUGUST 25, 1925.

205,636. MOLASSES, TABLE SIRUP, AND SORGHUM. ALEXANDER MOLASSES COMPANY, Cincinnati, Ohio.
Filed May 29, 1925. Serial No. 215,088. PUBLISHED AUGUST 25, 1925.

205,637. SUGAR. IMPERIAL SUGAR COMPANY, Sugar Land, Tex.
Filed May 26, 1925. Serial No. 214,917. PUBLISHED AUGUST 25, 1925.

205,638. PARTING POWDER. KRASBEY & MATTISON COMPANY, Ambler, Pa.
Filed May 9, 1925. Serial No. 214,081. PUBLISHED AUGUST 25, 1925.

205,639. BUILDING PAPER. THE BARBER ASPHALT COMPANY, Philadelphia, Pa.
Filed May 9, 1925. Serial No. 214,049. PUBLISHED AUGUST 25, 1925.

205,640. ROOF COATING, A COAL-TAR PREPARATION; ELASTIC CEMENT, LIQUID CEMENT, AND PITCH USED FOR PAVING, ROOFING, AND WATERPROOFING. NEW HAVEN GAS LIGHT COMPANY, New Haven, Conn.
Filed May 2, 1925. Serial No. 213,725. PUBLISHED AUGUST 25, 1925.

205,641. CANDIED FRUIT. FLOMART, INC., Santa Cruz, Calif.
Filed March 19, 1925. Serial No. 211,259. PUBLISHED AUGUST 25, 1925.

205,642. WOUND DRESSING. LEHN & FINK, INC., New York, N. Y.
Filed March 3, 1925. Serial No. 210,469. PUBLISHED AUGUST 25, 1925.

205,643. ROOF FLASHING. F. A. WARREN, Atlanta, Ga.
Filed February 19, 1925. Serial No. 209,885. PUBLISHED AUGUST 25, 1925.

205,644. COLOGNE. L. & G. LENGYEL, Brooklyn, N. Y.
Filed February 7, 1925. Serial No. 209,226. PUBLISHED AUGUST 25, 1925.

205,645. CERTAIN NAMED MEDICINAL PRODUCTS. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y.
Filed January 23, 1925. Serial No. 208,514. PUBLISHED AUGUST 25, 1925.

205,646. FUR DYE. MEISEL GALLAND COMPANY, Brooklyn, N. Y.
Filed January 10, 1925. Serial No. 207,945. PUBLISHED AUGUST 25, 1925.

205,647. FUR DYE. MEISEL GALLAND COMPANY, Brooklyn, N. Y.
Filed January 10, 1925. Serial No. 207,942. PUBLISHED AUGUST 25, 1925.

205,648. REMEDY FOR THE TREATMENT OF OBESITY. EDWARD COLFAX ALEXANDER, San Francisco, Calif.
Filed December 8, 1924. Serial No. 206,388. PUBLISHED AUGUST 25, 1925.

205,649. FRESH AND CURED PORK, BEEF, VEAL, AND MUTTON, AND SALTED PORK, CANNED VEGETABLES, AND CANNED FRUITS. JULIUS SOSTMANN & SONS, INC., Philadelphia, Pa.
Filed October 13, 1924. Serial No. 203,844. PUBLISHED AUGUST 25, 1925.

205,650. GARMENT HANGERS. STAR-SERVICE HANGER CO., Detroit, Mich.
Filed July 14, 1924. Serial No. 200,016. PUBLISHED AUGUST 25, 1925.

205,651. COFFEE AND BUTTER. THE CLEVELAND RETAIL GROCERS ASSOCIATION, Cleveland, Ohio.
Filed May 21, 1924. Serial No. 197,361. PUBLISHED AUGUST 25, 1925.

205,652. ROOFING COMPRISING FELT SHEETS SATURATED WITH A SOFT BITUMINOUS COMPOUND AND COATED WITH A HARDER BITUMINOUS MATERIAL AND HAVING A SUPERFICIAL LAYER OF CRUSHED MINERAL MATTER PARTLY EMBEDDED IN SAID COATING. THE PARAFFINE COMPANIES, INC., San Francisco, Calif.
Filed February 25, 1924. Serial No. 192,786. PUBLISHED AUGUST 25, 1925.

205,653. MEN'S AND BOYS' LEATHER AND FABRIC SHOES. HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo.
Filed March 5, 1923. Serial No. 176,972. PUBLISHED AUGUST 18, 1925.

205,654. OILS FOR LUBRICATING YARNS USED IN THE KNITTING ART FOR EMULSIONIZING YARNS OR THE FINISHED PRODUCTS. O. F. ZUBN COMPANY, INCORPORATED, Philadelphia, Pa.
Filed October 3, 1923. Serial No. 186,536. PUBLISHED FEBRUARY 19, 1924.

205,655. INJECTION FOR GONORRHEA AND GLEET, CHOLERA AND DIARRHEA PREPARATION, WHITE-PINE COUGH SIRUP, COMPOUND EXTRACT SARSAPARILLA WITH IODIDE OF POTASSIUM, BLOOD AND SKIN TONIC, CHILL TONIC, KIDNEY AND LIVER PREPARATION, VEGETABLE COMPOUND, HEALING OIL AND ANTISEPTIC, ANTISEPTIC, LINIMENT, AND NERVE AND BONE LINIMENT. THE GOYER COMPANY, Greenville, Miss.
Filed April 4, 1924. Serial No. 194,995. PUBLISHED AUGUST 25, 1925.

205,656. TOILET ARTICLES — NAMELY, FACE CREAMS, FACE POWDERS, TOILET POWDERS, TALCUM POWDERS, RICE POWDERS, BATH SALTS, SMELLING SALTS, SKIN BLEACHES, TOOTH WASHES, TOOTH POWDERS, TOOTH PASTE, ROUGES (LIQUID, POWDER, AND COMPACT), EYEBROW PENCILS, NAIL POLISHES (POWDER AND LIQUID), AND PREPARATIONS FOR SCENTING THE BREATH AND BATH. LES PARFUMS DE ROSINE, New York, N. Y.
Filed August 12, 1924. Serial No. 201,296. PUBLISHED AUGUST 25, 1925.

205,657. DRESSES. CITY STORES COMPANY, New York, N. Y.
Filed September 9, 1924. Serial No. 202,882. PUBLISHED SEPTEMBER 1, 1925.

205,658. INSECTICIDES AND FUNGICIDES. PENINSULAR CHEMICAL CO., Orlando, Fla.
Filed October 31, 1924. Serial No. 204,668. PUBLISHED JANUARY 6, 1925.

205,659. JELLIES, JAMS, FRUIT BUTTERS, FRUIT AND BERRY PRESERVES, AND PICKLES. SQUIRE DINGEE COMPANY, Chicago, Ill.
Filed November 24, 1924. Serial No. 205,793. PUBLISHED AUGUST 25, 1925.

205,660. CERTAIN PRODUCTS FOR THE TEXTILE INDUSTRY. O. F. ZUBN COMPANY, INCORPORATED, doing business as Quaker City Chemical Company, Philadelphia, Pa.
Filed October 4, 1924. Serial No. 206,761. PUBLISHED MARCH 31, 1925.

205,661. BOYS' OUTER SUITS. ISIDOR D. ABRAHAMS, doing business as Culver Tailoring Co., Cincinnati, Ohio.
Filed January 9, 1925. Serial No. 207,841. PUBLISHED SEPTEMBER 1, 1925.

205,662. FUR DYE. MEISEL GALLAND COMPANY, Brooklyn, N. Y.
Filed January 10, 1925. Serial No. 207,944. PUBLISHED AUGUST 25, 1925.

205,663. CRAVATS AND NECKTIES. WILLIAM M. QUINN, Boston, Mass.
Filed January 22, 1925. Serial No. 208,483. PUBLISHED JULY 28, 1925.

205,664. PREPARATION FOR THE TREATMENT OF THE HAIR AND SCALP. DAVID MASON, Roxbury, Mass.
Filed April 17, 1925. Serial No. 212,874. PUBLISHED AUGUST 25, 1925.

205,665. COMPOUNDING INGREDIENT AND RUBBER SOFTENER. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio.
Filed February 17, 1925. Serial No. 209,751. PUBLISHED AUGUST 18, 1925.

205,666. HERB EXTRACTS FOR MEDICINAL BEVERAGES, INCLUDING BEVERAGES SPECIFICALLY FOR NOURISHING THE STOMACH AND ENRICHING THE BLOOD, STOMACH BITTERS AND CORDIALS, AROMATIC VEGETABLE CONSTITUENTS FOR USE IN PREPARING MEDICINAL BEVERAGES, PURGATIVE BEVERAGES, AND THOSE HAVING AN OPPOSITE EFFECT. BOOS BRAUN, Hamburg, Germany, assignor to Egon Braun Aktiengesellschaft, Hamburg, Germany, a Corporation of Germany.
Filed February 27, 1925. Serial No. 210,221. PUBLISHED AUGUST 18, 1925.

205,667. FILLED COMPACT CASES, REFILLS FOR COMPACT CASES, POWDER SACHET, TOILET, DUSTING POWDERS, COLOGNE, COLOGNE WATERS, AND EXTRACTS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed April 9, 1925. Serial No. 212,430. PUBLISHED AUGUST 11, 1925.

205,668. TREATMENT FOR EPILEPSY. THE REINSCHILD CHEMICAL CO., New York, N. Y.
Filed April 1, 1925. Serial No. 212,089. PUBLISHED AUGUST 18, 1925.



205,669. RUBBER AND RUBBERIZED APRON AND SANITARY BABY PANTS. KASS-QUINSY RUBBER CO., INC., New York, N. Y.
Filed April 9, 1925. Serial No. 212,441. PUBLISHED SEPTEMBER 1, 1925.

205,670. INSECTICIDES. PARAGON CHEMICAL COMPANY, Los Angeles, Calif.
Filed April 20, 1925. Serial No. 213,038. PUBLISHED AUGUST 11, 1925.

205,671. HAIRDRESSING. H. L. ALLAN, doing business as The Sleekbac Company, Atlanta, Ga.
Filed April 25, 1925. Serial No. 213,273. PUBLISHED AUGUST 25, 1925.

205,672. SHEET METAL AND TIN PLATE, AND MORE PARTICULARLY TIN PLATE. CHARCOAL IRON PRODUCTS COMPANY, Washington, Pa.
Filed November 15, 1922. Serial No. 172,030. PUBLISHED AUGUST 18, 1925.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)].

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

205,673. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BROOKLYN ALCOHOL CORPORATION, Brooklyn, N. Y. Filed Aug. 30, 1924. Serial No. 202,045.

KANT-FREEZE

*Particular description of goods.*—Denatured Alcohol.
*Claims use* since about Oct. 1, 1922.

205,674. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VOSS & STERN, New York, N. Y. Filed Mar. 7, 1922. Serial No. 160,311.

LA VOGUE VOILE

*Particular description of goods.*—Cotton Voile in the Piece.
*Claims use* since Feb. 14, 1921.

205,675. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD BISCUIT COMPANY, Des Moines, Iowa. Filed June 22, 1922. Serial No. 165,893.

Butter-Flakes

*Particular description of goods.*—Crackers.
*Claims use* since Apr. 1, 1922.

205,676. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) TUCKER DUCK & RUBBER CO., Fort Smith, Ark. Filed Dec. 4, 1923. Serial No. 189,210.

KANTSKRATCH

*Particular description of goods.*—Mops.
*Claims use* since July, 1919.

205,677. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERS PACKING COMPANY, Riverside, Calif. Filed Apr. 21, 1924. Serial No. 195,852.

ALBERS

*Particular description of goods.*—Olives, Olive Spread, Minced Olives, Figs, Marmalade.
*Claims use* since 1916.

205,678. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Sept. 5, 1924. Serial No. 202,252.

BAMBUSHAFT

*Particular description of goods.*—Golf Clubs.
*Claims use* since Feb. 29, 1924.

205,679. (CLASS 37. PAPER AND STATIONERY.) NICHOLAS MICUCCI, doing business as Dual Ryter Co., Jersey City, N. J. Filed Sept. 16, 1924. Serial No. 202,671.

DUAL-RYTER

*Particular description of goods.*—Combination Fountain Pen and Pencils.
*Claims use* since Sept. 18, 1924.

205,680. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Oct. 4, 1924. Serial No. 203,416.

DR. JAMES

*Particular description of goods.*—Boots and Shoes of Leather.
*Claims use* since Aug. 1, 1924.

205,681. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y. Filed Oct. 27, 1924. Serial No. 204,460.

SALVE NOIR

*Particular description of goods.*—Ointments for Whitening and Clarifying the Skin.
*Claims use* since January, 1922.

205,682. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS W. YOUNG & Co., Philadelphia, Pa. Filed Nov. 8, 1924. Serial No. 205,045.

YOUNG'S SHAMPOO

*Particular description of goods.*—Shampoo Preparation.
*Claims use* since Oct. 6, 1924.

205,683. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD N. HARRIS, Fort Wayne, Ind. Filed Nov. 26, 1924. Serial No. 205,871.

MALIC

*Particular description of goods.*—Medicinal Preparation for the Relief of Coughs, Colds, Chest Colds, Hoarseness, and Irritation of Throat and Lungs.
*Claims use* since Oct. 1, 1924.

205,684. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DR. A. W. DEANE, Los Angeles, Calif. Filed Feb. 9, 1925. Serial No. 209,281.

SCOTCH HOP ALE

*Particular description of goods.*—Maltless Nonalcoholic Beverages.
*Claims use* since 1902.

205,685. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WATSON PIPE & SUPPLY CO., Torrance, Calif. Filed Apr. 25, 1925. Serial No. 213,330.

WATSON PIPE

*Particular description of goods.*—A Perforated Iron Pipe for Use in Oil Wells.
*Claims use* since about Oct. 1, 1924.

205,686. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THORNBURGH-UNIVERSAL GASKET MFG. CORP., Chicago, Ill. Filed May 4, 1925. Serial No. 213,811.

UNIVERSAL GASKETS

*Particular description of goods.*—Gaskets.
*Claims use* since Jan. 1, 1920.

205,687. (CLASS 10. FERTILIZERS.) NORSK HYDRO-ELEKTRISK KVAELSTOFAKTIESELSKAB, Oslo and Nottenden, Norway. Filed May 18, 1925. Serial No. 214,496.

NORGESALPETER

*Particular description of goods.*—Fertilizer.
*Claims use* since 1909.

205,688. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN E. MCBRADY, doing business as J. E. McBrady & Co., Chicago, Ill. Filed June 25, 1925. Serial No. 216,419.

BEAUTY CAKE

*Particular description of goods.*—A Preparation Used to Soften and Beautify the Skin.
*Claims use* since 1907.

205,689. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed June 27, 1925. Serial No. 216,527.

Pinehurst

*Particular description of goods.*—Piece Goods—Namely, Printed Voiles.
*Claims use* since Apr. 1, 1919.

205,690. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY GOLDMAN, doing business as Smile Remedy Company, St. Louis, Mo. Filed July 2, 1925. Serial No. 216,777.

PRID SALVE

*Particular description of goods.*—Salve for the Treatment of Boils.
*Claims use* for not less than one year.



205,691. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PFEIFFER CHEMICAL COMPANY, New York, N. Y. Filed July 14, 1925. Serial No. 217,360.

HOBSON'S

*Particular description of goods.*—A Medicinal Preparation in Paste Form for Killing Rats, Gophers, Mice, and Roaches; a Medicinal Preparation in Tablet Form for Treatment of Headache, Neuralgia, and Rheumatic Pains; Cold Cream; Hair Dye, and Camphor Ice for Treatment of Sunburn, Chapped Lips, Chapped Hands, and Chapped Face.
*Claims use* since Aug. 30, 1924.

205,692. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PFEIFFER CHEMICAL COMPANY, New York, N. Y. Filed July 14, 1925. Serial No. 217,361.

DR. HOBSON'S

*Particular description of goods.*—A Medicinal Preparation for the Treatment of Bronchitis, Bruises, Burns, Canker, Curbs, Complexions, Corns, Chilblains, Eczema, Fever Blisters, Frosted Feet, Itch, Insect Stings, Inflammation, Insect Bites, Inflammation of the Gums, Lumbago, Lameness, Muscular Rheumatism, Neuralgia, Quinsy, Ringworm, Sore Lips, Sore Mouth, Sore Throat, Sciatica, Stiff Joints, Sore Muscles, Sore Tongue, Splints, Scalds, Sprains, Salt Rheum, Skin Infections, Tetter, Toothache, Tonsillitis, Teething Pains, Weak and Sore Eyes, Wounds, Wry Neck, Scalp, and Hair; a Tonic in Tablet Form for Treatment of Biliousness, Bronchial Irritation, Constipation, Colds, Coughs, Dyspepsia, Foul Breath, Headaches, Hoarseness, Indigestion, Heartburn, Neuralgia, Worms, and Torpidity of the Liver; a Tonic in Liquid Form for Treatment of Bronchitis, Biliousness, Constipation, Coughs, Colds, Colic, Cholera Morbus, Cramps, Dyspepsia, Digestive Disturbances, Dysentery, Diarrhea, Eczema, Gout, General Debility, Headaches, Hoarseness, Indigestion, Laryngitis, Lumbago, Malaria, Malarial Chills, Neuralgia, Nervous Irritability, Pains, Rheumatism, Skin Diseases, Skin Disorders, Teething Pains, Whooping Cough, Worms, and Sleeplessness; a Tonic in Powdered Form for Treatment of Constipation, Headaches, Insect Bites, Teething Pains, and Worms; a Compound in Liquid Form for Treatment of Bronchitis, Coughs, Bronchial Irritation; an Antiseptic Ointment for Treatment of Asthma, Burns, Bruises, Cuts, Chapped Hands, Colds, Croup, Corns, Hay Fever, Insect Bites, Headache, Neuralgia, Nasal Catarrh, Piles, Rheumatism, Sunburn, Sprains, Skin Infections, Sores, Scalds, Sore Eyes, Wounds, Whooping Cough, and Bronchial Irritation; Salts for the Treatment of Auto-Intoxication, Biliousness, Congestion of the Liver, Bowels, and Hepatic Glands, Colic, Constipation, Diarrhea, Dizziness, Gastric and Hepatic Disorders, Gout, Hyperacidity, Headache, Indigestion, Rheumatism, and Summer Complaints; Pomades for the Hair, Hair Tonics, Hairdressing, Cold Cream, Bath Salts, Toilet Water, Toothache, Tooth Powder, and Tooth Paste; a Medicinal Preparation in Powdered Form for Treatment of Animals for Barbed-wire Cuts, Collar Galls, Neck Sores, Sores; a Medicinal Preparation in Liquid Form for Treatment of Animals for Fever, Distemper, and Spavin; a Medicinal Preparation in Salve Form for Treatment of Animals for Bruises, Curbs, Cuts, Flesh Wounds, Splint, Spavin, Sores, and Scratches.
*Claims use* since Aug. 30, 1924.

## TRADE-MARK REGISTRATIONS RENEWED

44,818. FLOUR MADE FROM WHEAT. Registered July 25, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Renewed July 25, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

44,899. FLEXIBLE FOLDING RULES. Registered July 25, 1905. THE CHAPIN-STEPHENS CO., Pine Meadow, Conn., a Joint-Stock Company. Renewed July 25, 1925.

44,970. LEAF TOBACCO. Registered August 1, 1905. W. T. Grant & Co., Louisville, Ky. Renewed August 1, 1925, to The Tobacco Rehandling Co., Ltd., Liverpool, England, and Louisville, Ky., a Corporation of Great Britain, assignee.

44,973. CIGARS. Registered August 1, 1905. SANCHEZ & HAYA CO., Tampa, Fla., a Corporation of Florida. Renewed August 1, 1925.

45,040. LYE AND POTASH. Registered August 1, 1905. CHAMPION CHEMICAL WORKS, INC., Chicago, Ill., a Corporation of Illinois. Renewed August 1, 1925.

45,041. POWDERED LYE. Registered August 1, 1905. CHAMPION CHEMICAL WORKS, INC., Chicago, Ill., a Corporation of Illinois. Renewed August 1, 1925.

45,179. FLOUR MADE FROM WHEAT. Registered August 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Renewed August 8, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

45,180. FLOUR MADE FROM WHEAT. Registered August 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Renewed August 8, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

45,181. FLOUR MADE FROM WHEAT. Registered August 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS CO., LTD. Renewed August 8, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

45,182. FLOUR MADE FROM WHEAT. Registered August 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Renewed August 8, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

45,226. CIGARS. Registered August 8, 1905. CHARLES E. MILLER, McSherrystown, Pa. Renewed August 8, 1925.

45,350. BUTTER CHOCOLATE AND OTHER CANDY CONFECTIONS. Registered August 15, 1905. CHARLES REPETTI, New York, N. Y. Renewed August 15, 1925, to Repetti, Inc., Long Island City, N. Y., a Corporation of New York, assignee.

45,390. WATCHES AND WATCH PARTS. Registered August 15, 1905. THE HAMPDEN WATCH CO. Renewed August 15, 1925, to The Dueber-Hampden Watch Company, Canton, Ohio, a Corporation of Ohio, assignee.

45,484. LAMP CHIMNEYS. Registered August 22, 1905. GILL BROTHERS COMPANY, Steubenville, Ohio, a Corporation of West Virginia. Renewed August 22, 1925.

45,499. WHEAT FLOUR. Registered August 22, 1905. THE HUNGARIAN MILLING & ELEVATOR COMPANY. Renewed August 22, 1925, to The Colorado Milling & Elevator Co., Denver, Colo., a Corporation of Colorado, successor.

THE DRUG PRODUCTS CO. INC., Long Island City, N. Y.

Filed January 23, 1925. Serial No. 208,514. PUBLISHED AUGUST 25, 1925.

205,646. FUR DYE. MEISEL GALLAND COMPANY, Brooklyn, N. Y.

Filed January 10, 1925. Serial No. 207,945. PUBLISHED AUGUST 25, 1925.

205,647. FUR DYE. MEISEL GALLAND COMPANY, Brooklyn, N. Y.

Filed January 10, 1925. Serial No. 207,942. PUBLISHED AUGUST 25, 1925.

205,648. REMEDY FOR THE TREATMENT OF OBESITY. EDWARD COLEFAX ALEXANDER, San Francisco, Calif.

Filed December 8, 1924. Serial No. 206,388. PUBLISHED AUGUST 25, 1925.

205,649. FRESH AND CURED PORK, BEEF, VEAL, AND MUTTON, AND SALTED PORK, CANNED VEGETABLES, AND CANNED FRUITS. JULIUS SOSTMANN & SONS, INC., Philadelphia, Pa.

Filed October 13, 1924. Serial No. 203,844. PUBLISHED AUGUST 25, 1925.

205,650. GARMENT HANGERS. STAR-SERVICE HANGER CO., Detroit, Mich.

Filed July 14, 1924. Serial No. 200,016. PUBLISHED AUGUST 25, 1925.

205,651. COFFEE AND BUTTER. THE CLEVELAND RETAIL GROCERS ASSOCIATION, Cleveland, Ohio.

Filed May 21, 1924. Serial No. 197,361. PUBLISHED AUGUST 25, 1925.

205,652. ROOFING COMPRISING FELT SHEETS SATURATED WITH A SOFT BITUMINOUS COMPOUND AND COATED WITH A HARDER BITUMINOUS MATERIAL AND HAVING A SUPERFICIAL LAYER OF CRUSHED MINERAL MATTER PARTLY EMBEDDED IN SAID COATING. THE PARAFFINE COMPANIES, INC., San Francisco, Calif.

Filed February 25, 1924. Serial No. 192,786. PUBLISHED AUGUST 25, 1925.

205,653. MEN'S AND BOYS' LEATHER AND FABRIC SHOES. HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo.

Filed March 5, 1923. Serial No. 176,972. PUBLISHED AUGUST 18, 1925.

205,654. OILS FOR LUBRICATING YARNS USED IN [illegible] KNITTING ART FOR EMULSIONIZING [illegible] THE FINISHED PRODUCTS. O. F. [illegible] INCORPORATED, Philadelphia, Pa.

[illegible]023. Serial No. 186,536. PUB-[illegible]1924.

[illegible]ONORRHEA AND GLEET, [illegible]HEA PREPARATION, [illegible]P, COMPOUND EX-[illegible]H IODIDE OF PO-[illegible] TONIC, CHILL [illegible] PREPARATION, [illegible]NG OIL AND [illegible]MENT, AND [illegible] GOYER COM-[illegible]BLISHED

PARFUMS DE ROSINE, New York, N. Y.

Filed August 12, 1924. Serial No. 201,296. PUBLISHED AUGUST 25, 1925.

205,657. DRESSES. CITY STORES COMPANY, New York, N. Y.

Filed September 9, 1924. Serial No. 202,382. PUBLISHED SEPTEMBER 1, 1925.

205,658. INSECTICIDES AND FUNGICIDES. PENINSULAR CHEMICAL CO., Orlando, Fla.

Filed October 31, 1924. Serial No. 204,668. PUBLISHED JANUARY 6, 1925.

205,659. JELLIES, JAMS, FRUIT BUTTERS, FRUIT AND BERRY PRESERVES, AND PICKLES. SQUIRE DINGEE COMPANY, Chicago, Ill.

Filed November 24, 1924. Serial No. 205,793. PUBLISHED AUGUST 25, 1925.

205,660. CERTAIN PRODUCTS FOR THE TEXTILE INDUSTRY. O. F. ZURN COMPANY, INCORPORATED, doing business as Quaker City Chemical Company, Philadelphia, Pa.

Filed October 4, 1924. Serial No. 206,761. PUBLISHED MARCH 31, 1925.

205,661. BOYS' OUTER SUITS. ISIDOR D. ABRAHAMS, doing business as Culver Tailoring Co., Cincinnati, Ohio.

Filed January 9, 1925. Serial No. 207,841. PUBLISHED SEPTEMBER 1, 1925.

205,662. FUR DYE. MEISEL GALLAND COMPANY, Brooklyn, N. Y.

Filed January 10, 1925. Serial No. 207,944. PUBLISHED AUGUST 25, 1925.

205,663. CRAVATS AND NECKTIES. WILLIAM M. QUINN, Boston, Mass.

Filed January 22, 1925. Serial No. 208,483. PUBLISHED JULY 28, 1925.

205,664. PREPARATION FOR THE TREATMENT OF THE HAIR AND SCALP. DAVID MASON, Roxbury, Mass.

Filed April 17, 1925. Serial No. 212,874. PUBLISHED AUGUST 25, 1925.

205,665. COMPOUNDING INGREDIENT AND RUBBER SOFTENER. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio.

Filed February 17, 1925. Serial No. 209,751. PUBLISHED AUGUST 18, 1925.

205,666. HERB EXTRACTS FOR MEDICINAL BEVERAGES, INCLUDING BEVERAGES SPECIFICALLY FOR NOURISHING THE STOMACH AND ENRICHING THE BLOOD, STOMACH BITTERS AND CORDIALS, AROMATIC VEGETABLE CONSTITUENTS FOR USE IN PREPARING MEDICINAL BEVERAGES, PURGATIVE BEVERAGES, AND THOSE HAVING AN OPPOSITE EFFECT. EGON BRAUN, Hamburg, Germany, assignor to Egon Braun Aktiengesellschaft, Hamburg, Germany, a Corporation of Germany.

Filed February 27, 1925. Serial No. 210,221. PUBLISHED AUGUST 18, 1925.

205,667. FILLED COMPACT CASES, REFILLS FOR COMPACT CASES, POWDER SACHET, TOILET, DUSTING POWDERS, COLOGNE, COLOGNE WATERS, AND EXTRACTS. FRANKLIN SIMON & CO., INC., New York, N. Y.

Filed April 9, 1925. Serial No. 212,430. PUBLISHED AUGUST 11, 1925.

205,668. TREATMENT FOR EPILEPSY. THE REINSCHILD CHEMICAL CO., New York, N. Y.

Filed April 1, 1925. Serial No. 212,039. PUBLISHED AUGUST 18, 1925.

[illegible] April 20, 1925. Serial No. 213,038. PUBLISHED AUGUST 11, 1925.

Filed November 15, 1922. Serial No. 172,056. PUBLISHED AUGUST 18, 1925.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)].

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

205,673. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BROOKLYN ALCOHOL CORPORATION, Brooklyn, N. Y. Filed Aug. 30, 1924. Serial No. 202,045.

KANT-FREEZE

*Particular description of goods.*—Denatured Alcohol.
*Claims use* since about Oct. 1, 1922.

205,674. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VOSS & STERN, New York, N. Y. Filed Mar. 7, 1922. Serial No. 160,311.

LA VOGUE VOILE

*Particular description of goods.*—Cotton Voile in the Piece.
*Claims use* since Feb. 14, 1921.

205,675. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD BISCUIT COMPANY, Des Moines, Iowa. Filed June 22, 1922. Serial No. 165,893.

Butter-Flakes

*Particular description of goods.*—Crackers.
*Claims use* since Apr. 1, 1922.

205,676. (CLASS 20. BROOMS, BRUSHES, AND DUSTERS.) TUCKER DUCK & RUBBER CO., Fort Smith, Ark. Filed Dec. 4, 1923. Serial No. 189,210.

KANTSKRATCH

*Particular description of goods.*—Mops.
*Claims use* since July, 1919.

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ALBERS

*Particular description of goods.*—Olives, Olive Spread, Minced Olives, Figs, Marmalade.
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*Particular description of goods.*—Golf Clubs.
*Claims use* since Feb. 29, 1924.

205,679. (CLASS 37. PAPER AND STATIONERY.) NICHOLAS MICUCCI, doing business as Dual Ryter Co., Jersey City, N. J. Filed Sept. 16, 1924. Serial No. 202,671.

DUAL-RYTER

*Particular description of goods.*—Combination Fountain Pen and Pencils.
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205,680. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Oct. 4, 1924. Serial No. 203,416.

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*Particular description of goods.*—Boots and Shoes of Leather.
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SALVE NOIR

*Particular description of goods.*—Ointments for Whitening and Clarifying the Skin.
*Claims use* since January, 1922.

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205,682. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS W. YOUNG & Co., Philadelphia, Pa. Filed Nov. 8, 1924. Serial No. 205,045.

YOUNG'S SHAMPOO

*Particular description of goods.*—Shampoo Preparation.
*Claims use* since Oct. 6, 1924.

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205,683. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD N. HARBER, Fort Wayne, Ind. Filed Nov. 26, 1924. Serial No. 205,871.

MALIC

*Particular description of goods.*—Medicinal Preparation for the Relief of Coughs, Colds, Chest Colds, Hoarseness, and Irritation of Throat and Lungs.
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205,684. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DR. A. W. DEANE, Los Angeles, Calif. Filed Feb. 9, 1925. Serial No. 209,281.

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*Particular description of goods.*—Maltless Nonalcoholic Beverages.
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205,686. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THORNBURGH-UNIVERSAL GASKET MFG. CORP., Chicago, Ill. Filed May 4, 1925. Serial No. 213,811.

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*Particular description of goods.*—Gaskets.
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NORGESALPETER

*Particular description of goods.*—Fertilizer.
*Claims use* since 1909.

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BEAUTY CAKE

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Pinehurst

*Particular description of goods.*—Piece Goods—Namely, Printed Voiles.
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205,690. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY GOLDMAN, doing business as Smile Remedy Company, St. Louis, Mo. Filed July 2, 1925. Serial No. 216,777.

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*Particular description of goods.*—Salve for the Treatment of Boils.
*Claims use* for not less than one year.



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*Particular description of goods.*—A Medicinal Preparation in Paste Form for Killing Rats, Gophers, Mice, and Roaches; a Medicinal Preparation in Tablet Form for Treatment of Headache, Neuralgia, and Rheumatic Pains; Cold Cream; Hair Dye, and Camphor Ice for Treatment of Sunburn, Chapped Lips, Chapped Hands, and Chapped Face.
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205,692. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PFEIFFER CHEMICAL COMPANY, New York, N. Y. Filed July 14, 1925. Serial No. 217,361.

DR. HOBSON'S

*Particular description of goods.*—A Medicinal Preparation for the Treatment of Bronchitis, Bruises, Burns, Canker, Curbs, Complexions, Corns, Chilblains, Eczema, Fever Blisters, Frosted Feet, Itch, Insect Stings, Inflammation, Insect Bites, Inflammation of the Gums, Lumbago, Lameness, Muscular Rheumatism, Neuralgia, Quinsy, Ringworm, Sore Lips, Sore Mouth, Sore Throat, Sciatica, Stiff Joints, Sore Muscles, Sore Tongue, Splints, Scalds, Sprains, Salt Rheum, Skin Infections, Tetter, Toothache, Tonsilitis, Teething Pains, Weak and Sore Eyes, Wounds, Wry Neck, Scalp, and Hair; a Tonic in Tablet Form for Treatment of Biliousness, Bronchial Irritation, Constipation, Colds, Coughs, Dyspepsia, Foul Breath, Headaches, Hoarseness, Indigestion, Heartburn, Neuralgia, Worms, and Torpidity of the Liver; a Tonic in Liquid Form for Treatment of Bronchitis, Biliousness, Constipation, Coughs, Colds, Colic, Cholera Morbus, Cramps, Dyspepsia, Digestive Disturbances, Dysentery, Diarrhea, Eczema, Gout, General Debility, Headaches, Hoarseness, Indigestion, Laryngitis, Lumbago, Malaria, Malarial Chills, Neuralgia, Nervous Irritability, Pains, Rheumatism, Skin Diseases, Skin Disorders, Teething Pains, Whooping Cough, Worms, and Sleeplessness; a Tonic in Powdered Form for Treatment of Constipation, Headaches, Insect Bites, Teething Pains, and Worms; a Compound in Liquid Form for Treatment of Bronchitis, Coughs, Bronchial Irritation; an Antiseptic Ointment for Treatment of Asthma, Burns, Bruises, Cuts, Chapped Hands, Colds, Croup, Corns, Hay Fever, Insect Bites, Headache, Neuralgia, Nasal Catarrh, Piles, Rheumatism, Sunburn, Sprains, Skin Infections, Sores, Scalds, Sore Eyes, Wounds, Whooping Cough, and Bronchial Irritation; Salts for the Treatment of Auto-Intoxication, Biliousness, Congestion of the Liver, Bowels, and Hepatic Glands, Colic, Constipation, Diarrhea, Dizziness, Gastric and Hepatic Disorders, Gout, Hyperacidity, Headache, Indigestion, Rheumatism, and Summer Complaints; Pomades for the Hair, Hair Tonics, Hairdressing, Cold Cream, Bath Salts, Toilet Water, Toothache, Tooth Powder, and Tooth Paste; a Medicinal Preparation in Powdered Form for Treatment of Animals for Barbed-wire Cuts, Collar Galls, Neck Sores, Sores; a Medicinal Preparation in Liquid Form for Treatment of Animals for Fever, Distemper, and Spavin; a Medicinal Preparation in Salve Form for Treatment of Animals for Bruises, Curbs, Cuts, Flesh Wounds, Splint, Spavin, Sores, and Scratches.
*Claims use* since Aug. 30, 1924.

## TRADE-MARK REGISTRATIONS RENEWED

44,818. FLOUR MADE FROM WHEAT. Registered July 25, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Renewed July 25, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

44,899. FLEXIBLE FOLDING RULES. Registered July 25, 1905. THE CHAPIN-STEPHENS CO., Pine Meadow, Conn., a Joint-Stock Company. Renewed July 25, 1925.

44,970. LEAF TOBACCO. Registered August 1, 1905. W. T. Grant & Co., Louisville, Ky. Renewed August 1, 1925, to The Tobacco Rehandling Co., Ltd., Liverpool, England, and Louisville, Ky., a Corporation of Great Britain, assignee.

44,973. CIGARS. Registered August 1, 1905. SANCHEZ & HAYA CO., Tampa, Fla., a Corporation of Florida. Renewed August 1, 1925.

45,040. LYE AND POTASH. Registered August 1, 1905. CHAMPION CHEMICAL WORKS, INC., Chicago, Ill., a Corporation of Illinois. Renewed August 1, 1925.

45,041. POWDERED LYE. Registered August 1, 1905. CHAMPION CHEMICAL WORKS, INC., Chicago, Ill., a Corporation of Illinois. Renewed August 1, 1925.

45,179. FLOUR MADE FROM WHEAT. Registered August 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Renewed August 8, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

45,180. FLOUR MADE FROM WHEAT. Registered August 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Renewed August 8, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

45,181. FLOUR MADE FROM WHEAT. Registered August 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS CO., LTD. Renewed August 8, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

45,182. FLOUR MADE FROM WHEAT. Registered August 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Renewed August 8, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

45,226. CIGARS. Registered August 8, 1905. CHARLES E. MILLER, McSherrystown, Pa. Renewed August 8, 1925.

45,350. BUTTER CHOCOLATE AND OTHER CANDY CONFECTIONS. Registered August 15, 1905. CHARLES REPETTI, New York, N. Y. Renewed August 15, 1925, to Repetti, Inc., Long Island City, N. Y., a Corporation of New York, assignee.

45,399. WATCHES AND WATCH PARTS. Registered August 15, 1905. THE HAMPDEN WATCH CO. Renewed August 15, 1925, to The Dueber-Hampden Watch Company, Canton, Ohio, a Corporation of Ohio, assignee.

45,484. LAMP CHIMNEYS. Registered August 22, 1905. GILL BROTHERS COMPANY, Steubenville, Ohio, a Corporation of West Virginia. Renewed August 22, 1925.

45,499. WHEAT FLOUR. Registered August 22, 1905. THE HUNGARIAN MILLING & ELEVATOR COMPANY. Renewed August 22, 1925, to The Colorado Milling & Elevator Co., Denver, Colo., a Corporation of Colorado, successor.

45,501. WRITING PAPER. Registered August 22, 1905. THE WHITAKER PAPER COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed August 22, 1925.

45,562. FLOUR. Registered August 22, 1905. THE GALESVILLE MILLING COMPANY. Renewed August 22, 1925, to Crawford-Reitmann Mill Co., Galesville, Wis., a Corporation of Wisconsin, successor.

45,624. GLASS CHIMNEYS, LANTERN GLOBES, AND REFLECTORS. Registered August 22, 1905. GILL BROTHERS COMPANY, Steubenville, Ohio, a Corporation of West Virginia. Renewed August 22, 1925.

45,625. GLASS CHIMNEYS, LANTERN GLOBES, AND REFLECTORS. Registered August 22, 1905. GILL BROTHERS COMPANY, Steubenville, Ohio, a Corporation of West Virginia. Renewed August 22, 1925.

45,627. GLASS CHIMNEYS, LANTERN GLOBES, AND REFLECTORS. Registered August 22, 1905. GILL BROTHERS COMPANY, Steubenville, Ohio, a Corporation of West Virginia. Renewed August 22, 1925.

45,705. AN ANTISEPTIC, GERMICIDE, AND HEALING AGENT. Registered August 29, 1905. HENRY HEIL CHEMICAL CO., St. Louis, Mo., a Corporation of Missouri. Renewed August 29, 1925.

45,744. FLOUR MADE FROM WHEAT. Registered August 29, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Renewed August 29, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

45,791. A SALVE OR PASTE. Registered August 29, 1905. THE ELI LILLY & COMPANY. Renewed August 29, 1925, to Eli Lilly and Company, Indianapolis, Ind., a Corporation of Indiana, assignee.

45,882. CANNED CORN, BEANS, AND SUCCOTASH. Registered August 29, 1905. HARTLEY C. BAXTER, Brunswick, Me. Renewed August 29, 1925.

45,927. FLOUR MADE FROM WHEAT. Registered August 29, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Renewed August 29, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

45,989. STARCH, DEXTRINE, AND GUMS MADE FROM STARCH. Registered September 5, 1905. W. L. MACOMBER & Co., Boston, Mass. Renewed September 5, 1925.

46,041. CORN PLANTERS, COTTON PLANTERS, AND BEET DRILLS. Registered September 5, 1905. MOLINE PLOW CO. Renewed September 5, 1925, to Moline Implement Company, Moline, Ill., a Corporation of Illinois, assignee.

46,202. CIGARS. Registered September 12, 1905. WM. SCHLIEP, Mount Pleasant, Iowa. Renewed September 12, 1925.

46,256. CANDIES AND CHOCOLATES. Registered September 12, 1905. EUGENE W. DUNSTAN. Renewed September 12, 1925, to The E. W. Dunstan Co., New York, N. Y., a Corporation of New York, successor.

46,263. HATS AND CAPS. Registered September 12, 1905. JOHN B. STETSON COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed September 12, 1925.

46,306. LAWN MOWERS AND THEIR COMPONENT PARTS. Registered September 12, 1905. COLDWELL LAWN MOWER CO., Newburgh, N. Y., a Corporation of New York. Renewed September 12, 1925.

46,307. LAWN MOWERS AND THEIR COMPONENT PARTS. Registered September 12, 1905. COLDWELL LAWN MOWER CO., Newburgh, N. Y., a Corporation of New York. Renewed September 12, 1925.

46,368. WATER PREPARED FOR DRINKING PURPOSES. Registered September 12, 1905. THE CITY ICE DELIVERY CO. Renewed September 12, 1925, to The City Ice & Fuel Company, Cleveland, Ohio, a Corporation of Ohio, successor.

46,436. A LIQUID CATHARTIC. Registered September 19, 1905. THE ELI LILLY & COMPANY. Renewed September 19, 1925, to Eli Lilly and Company, Indianapolis, Ind., a Corporation of Indiana, assignee.

46,486. A PREPARATION FOR DISGUISING THE BITTER OR DISAGREEABLE TASTE OF MEDICINES. Registered September 19, 1905. THE ELI LILLY & COMPANY. Renewed September 19, 1925, to Eli Lilly and Company, Indianapolis, Ind., a Corporation of Indiana, assignee.

46,518. PLOWS, CULTIVATORS, AND HARROWS. Registered September 26, 1905. MOLINE PLOW CO. Renewed September 26, 1925, to Moline Implement Company, Moline, Ill., a Corporation of Illinois, assignee.

46,519. PLOWS AND CULTIVATORS. Registered September 26, 1905. MOLINE PLOW CO. Renewed September 26, 1925, to Moline Implement Company, Moline, Ill., a Corporation of Illinois, assignee.

46,546. CANNED FRUITS AND CANNED VEGETABLES. Registered September 26, 1905. HARTLEY C. BAXTER, Brunswick, Me. Renewed September 26, 1925.

46,575. LIQUID HYDROCARBON FUELS FOR AUTOMOBILES. Registered September 26, 1905. THE ENERGINE COMPANY. Renewed September 26, 1925, to The Energine Refining & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio, successor.

46,644. A REMEDY FOR KIDNEY, BLADDER, AND RHEUMATIC TROUBLES. Registered September 26, 1905. ERNEST W. HALL. Renewed September 26, 1925, to Ernest B. Hall, doing business as Ernest W. Hall, St. Louis, Mo., successor.

46,998. SURFACE AND JET CONDENSERS. Registered October 17, 1905. WHEELER CONDENSER & ENGINEERING CO., New York, N. Y. Renewed October 17, 1925, to Wheeler Condenser & Engineering Co., Carteret, N. J., a Corporation of New Jersey.

47,145. PRINTING FILMS. Registered October 31, 1905. BENJAMIN DAY. Renewed October 31, 1925, to Ben Day, Inc., New York, N. Y., a Corporation of New Jersey, assignee.

47,236. FLOUR MADE FROM WHEAT. Registered October 31, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Renewed October 31, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

47,280. REMEDIES FOR COUGHS, COLDS, LUNG AND BRONCHIAL AFFECTIONS. Registered October 31, 1905. PINEULE MEDICINE CO., Chicago, Ill. Renewed October 31, 1925, to E. C. De Witt & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

47,296. WASHBOARDS. Registered October 31, 1905. THE AMERICAN WASHBOARD COMPANY, Cleveland, Ohio. Renewed October 31, 1925, to National Washboard Company, Chicago, Ill., a Corporation of West Virginia, assignee.

47,301. WASHBOARDS. Registered October 31, 1905. THE AMERICAN WASHBOARD COMPANY, Cleveland, Ohio. Renewed October 31, 1925, to National Washboard Company, Chicago, Ill., a Corporation of West Virginia, assignee.

47,393. HOOKS AND EYES. Registered October 31, 1905. THE DE LONG HOOK & EYE COMPANY. Renewed October 31, 1925, to The De Long Hook & Eye Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

47,398. WHISKY. Registered October 31, 1905. TOM MOORE DISTILLERY, (INC.), Bardstown, Ky., a Corporation of Kentucky. Renewed October 31, 1925.

47,530. FLOUR MADE FROM WHEAT. Registered November 7, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Renewed November 7, 1925, to Pillsbury Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.



47,756. HOOKS AND EYES. Registered November 21, 1905. THE DE LONG HOOK & EYE COMPANY. Renewed November 21, 1925, to The De Long Hook & Eye Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

47,883. CORSETS. Registered November 28, 1905. KOPS BROS. Renewed November 28, 1925, to Kops Bros. Inc., New York, N. Y., a Corporation of New York, assignee.

47,965. A REMEDY FOR ASTHMA AND ASTHMATIC DISEASES. Registered November 28, 1905. WM. R. WARNER & Co., Vergennes, Vt. Renewed November 28, 1925.

48,093. GUANO. Registered December 12, 1905. TENNESSEE CHEMICAL COMPANY, Davidson County, Tenn. Renewed December 12, 1925, to Tennessee Chemical Company, Nashville, Tenn., a Corporation of Delaware, assignee.

48,107. CORSETS, CORSET WAISTS, AND CORSET STEELS. Registered December 12, 1905. KOPS BROS. Renewed December 12, 1925, to Kops Bros. Inc., New York, N. Y., a Corporation of New York, assignee.

48,188. MEDICINES FOR THE REGULATION OF THE LIVER AND PURIFICATION OF THE BLOOD. Registered December 12, 1905. THE A. H. LEWIS MEDICINE CO., St. Louis, Mo., a Corporation of Missouri. Renewed December 12, 1925.

48,270. FLAVORING EXTRACTS. Registered December 19, 1905. THE CITIZENS' WHOLESALE SUPPLY CO., Columbus, Ohio, a Corporation of Ohio. Renewed December 19, 1925.

48,401. VARNISH STAINS. Registered December 26, 1905. THE GLIDDEN VARNISH COMPANY. Renewed December 26, 1925, to The Glidden Company, Cleveland, Ohio, a Corporation of Ohio, assignee.

48,454. WEIGHING MACHINES AND PARTS THEREOF. Registered January 2, 1906. E. AND T. FAIRBANKS AND COMPANY, St. Johnsbury, Vt., a Corporation of Vermont. Renewed January 2, 1926.

48,483. GUITARS AND MANDOLINS. Registered January 2, 1906. LYON & HEALY. Renewed January 2, 1926, to Lyon & Healy, Inc., Chicago, Ill., a Corporation of Illinois, assignee.

48,863. BEEF JUICE. Registered January 16, 1906. THE BOVININE COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed January 16, 1926.

48,899. MEDICINAL PREPARATIONS. Registered January 16, 1906. WILLIAM R. WARNER & Co., Philadelphia, Pa. Renewed January 16, 1926, to William R. Warner & Co., Inc., New York, N. Y., a Corporation of Delaware, assignee.

48,932. COFFEE. Registered January 16, 1906. MEYER BROTHERS COFFEE AND SPICE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed January 16, 1926.

48,943. LAGER BEER AND BOTTLED BEER. Registered January 16, 1906. TERRE HAUTE BREWING CO., Terre Haute, Ind., a Corporation of Indiana. Renewed January 16, 1926.

48,949. JACKS. Registered January 16, 1906. THE DUFF MANUFACTURING COMPANY, Allegheny, Pa. Renewed January 16, 1926, to The Duff Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania.

48,993. DRESS SHIELDS. Registered January 16, 1906. I. B. KLEINERT RUBBER CO., New York, N. Y., a Corporation of New York. Renewed January 16, 1926.

48,995. JUTE BAGGING. Registered January 16, 1906. LUDLOW MANUFACTURING ASSOCIATES, Boston, Mass., a Voluntary Association. Renewed January 16, 1926.

48,996. JUTE BAGGING. Registered January 16, 1906. LUDLOW MANUFACTURING ASSOCIATES, Boston, Mass., a Voluntary Association. Renewed January 16, 1926.

48,998. JUTE BAGGING. Registered January 16, 1906. LUDLOW MANUFACTURING ASSOCIATES, Boston, Mass., a Voluntary Association. Renewed January 16, 1926.

49,001. COFFEE. Registered January 16, 1906. MEYER BROTHERS COFFEE AND SPICE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed January 16, 1926.

49,002. COFFEE. Registered January 16, 1906. MEYER BROTHERS COFFEE AND SPICE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed January 16, 1926.

49,004. KNIT UNDERWEAR. Registered January 16, 1906. NORTHWESTERN KNITTING COMPANY. Renewed January 16, 1926, to The Munsingwear Corporation, Minneapolis, Minn., a Corporation of Minnesota, assignee.

49,228. WEEKLY NEWSPAPER. Registered January 30, 1906. THE BILLBOARD PUBLISHING COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed January 30, 1926.

49,240. SUITINGS FOR MEN AND BOYS. Registered January 30, 1906. THOMAS OAKES & Co., Bloomfield, N. J. Renewed January 30, 1926.

49,350. WHEAT FLOUR. Registered January 30, 1906. S. HAMILL COMPANY, Keokuk, Iowa, a Corporation of Iowa. Renewed January 30, 1926.

49,354. STEAM VALVES AND WATER VALVES. Registered January 30, 1906. THE FAIRBANKS CO., New York, N. Y., a Corporation of New Jersey. Renewed January 30, 1926.

49,356. STOVES AND RANGES. Registered January 30, 1906. THE GEM CITY STOVE CO., Dayton, Ohio, a Corporation of Ohio. Renewed January 30, 1926.

49,516. FLEXIBLE TUBING. Registered February 6, 1906. CHICAGO TUBING & BRAIDING CO., Chicago, Ill., a Corporation of Illinois. Renewed February 6, 1926.

49,565. ANTISEPTIC LIQUID. Registered February 13, 1906. HUDSON & CO. INC., New York, N. Y., a Corporation of New Jersey. Renewed February 13, 1926.

49,817. TONICS, NERVINE, AND SEDATIVES. Registered February 20, 1906. THE DR. MILES MEDICAL CO., Elkhart, Ind., a Corporation of Indiana. Renewed February 20, 1926.

49,830. KNITTED HOSIERY, UNDERSHIRTS, AND DRAWERS. Registered February 20, 1906. JOHN WYCKOFF METTLER. Renewed February 20, 1926, to Interwoven Stocking Company, New Brunswick, N. J., a Corporation of New Jersey, assignee.

49,886. PORTLAND CEMENT. Registered February 20, 1906. THE HELDERBERG CEMENT CO., Howes Cave, N. Y. Renewed February 20, 1926, to The Helderberg Cement Co., Howes Cave and Albany, N. Y., a Corporation of New York.

# LABELS

## REGISTERED NOVEMBER 10, 1925.

29,445.—*Title:* FRACY PARIS—FRANCE. For Face Powder. R. F. ARNOLD & CO., New York, N. Y. Published September 1, 1925.

29,446.—*Title:* BLACK CRUSADER. For Oranges. AZUSA CITRUS ASSOCIATION, Azusa, Calif. Published July 1, 1925.

29,447.—*Title:* WORLD'S WONDER HAIR RESTORER. For a Scalp and Hair Tonic. BECWHE LABORATORIES, INC., Chicago, Ill. Published September 8, 1925.

29,448.—*Title:* ACE NAIL POLISH. For Nail Polish. ARIBERTO E. CIARLANTE, New York, N. Y. Published September 4, 1925.

29,449.—*Title:* CLAIREMONT AIR-TITE EGGS. For Eggs. CLAIREMONT STERILIZED EGG CO., Chicago, Ill. Published September 18, 1925.

29,450.—*Title:* PEEK-O-SCOPE. For an Optical Toy. LEONARD JEAN EDICK, Gloversville, N. Y. Published August 22, 1925.

29,451.—*Title:* MARY WAYNE. For Candy. HEIT-MILLER-LAU CO., Fort Wayne, Ind. Published September 16, 1925.

29,452.—*Title:* LOCKENBOHL CONFECTIONS GOOD TO THE LAST GRAIN EAT IT ALL. For Confections. DENA LOCKE, doing business as Lockenbohl Candy Company, Cincinnati, Ohio. Published July 1, 1925.

29,453.—*Title:* WINSONIA. For Hosiery. JOHN E. LUDDY, doing business as The Windsor Company, Windsor, Conn. Published August 14, 1925.

29,454.—*Title:* HOLLYWOOD DRY. For Ginger Ale. WILLIAM G. LUTZ, doing business as Hollywood Beverage Co., Los Angeles, Calif. Published September 1, 1925.

29,455.—*Title:* MALTOAT THE PERFECTED MILK MODIFIER FOR INFANTS AND CONVALESCENTS. For Maltoat, the Perfected Milk Modifier. MALTOAT PRODUCTS COMPANY, Racine, Wis. Published September 16, 1925.

29,456.—*Title:* C M GRAPE SODA. For Grape Soda. CHAS. W. MEISEZAHL, doing business as Chas. Meisezahl Mfg. Co., New York, N. Y. Published June 1, 1925.

29,457.—*Title:* DELICIOUS BRAND ICE CREAM. For Ice Cream. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published September 10, 1925.

29,458.—*Title:* LUXURY BRAND BUTTER. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published September 10, 1925.

29,459.—*Title:* COLONIAL BRAND ICE CREAM. For Ice Cream. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published September 10, 1925.

29,460.—*Title:* RED CIRCLE DATES AND BRAZILS. For Candy. THE MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published September 11, 1925.

29,461.—*Title:* RED CIRCLE BITTER SWEET CHOCOLATES. For Candy. THE MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published September 11, 1925.

29,462.—*Title:* MRS. GRAF'S REVIEW CHOCOLATES. For Candy. THE MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published September 14, 1925.

29,463.—*Title:* THE MINUTE CHEMICAL PATCH. For Chemical Patches. THE MINUTE CHEMICAL PATCH COMPANY, INC., Cleveland, Ohio. Published August 12, 1925.

29,464.—*Title:* FO-MO. For a Dandruff Remover. THOMAS H. NELL, Long Beach, Calif. Published August 25, 1925.

29,465.—*Title:* PENCO SMOKING & CHEWING TOBACCO. For Tobacco. PENN TOBACCO COMPANY, Wilkes-Barre, Pa. Published September 9, 1925.

29,466.—*Title:* PENNS STRIPPED SMOKING AND CHEWING TOBACCO. For Tobacco. PENN TOBACCO COMPANY, Wilkes-Barre, Pa. Published September 9, 1925.

29,467.—*Title:* STERLING FINEST QUALITY STRIPPED MILD SMOKING TOBACCO. For Tobacco. PENN TOBACCO COMPANY, Wilkes-Barre, Pa. Published September 9, 1925.

29,468.—*Title:* DUCO SMOKING AND CHEWING TOBACCO. For Tobacco. PENN TOBACCO COMPANY, Wilkes-Barre, Pa. Published September 9, 1925.

29,469.—*Title:* PENNS SPECIAL SMOKING AND CHEWING TOBACCO. For Tobacco. PENN TOBACCO COMPANY, Wilkes-Barre, Pa. Published September 9, 1925.

29,470.—*Title:* RED GLOBE. For Oranges. RIVERSIDE HEIGHTS ORANGE GROWERS ASSOCIATION, Riverside, Calif. Published August 1, 1925.

29,471.—*Title:* BLUE GLOBE. For Oranges. RIVERSIDE HEIGHTS ORANGE GROWERS ASSOCIATION, Riverside, Calif. Published August 1, 1925.

29,472.—*Title:* PLANET. For Oranges. SANTIAGO ORANGE GROWERS ASSOCIATION, Orange, Calif. Published May 1, 1925.

29,473.—*Title:* E EASY Z. For Auto and Furniture Polish. J. GEORGE SCHNEIDER, York, Pa. Published August 4, 1925.

29,474.—*Title:* FLIERS HOSIERY. For Hosiery. SHRIRO BROTHERS, INC., New York, N. Y. Published August 15, 1925.

29,475.—*Title:* LITTLE TOTS APPLE GAME. For a Game. STOLL & EDWARDS CO. INC., New York, N. Y. Published August 12, 1925.

29,476.—*Title:* OUR OWN SCRAP-BOOK. For a Scrapbook. STOLL & EDWARDS CO. INC., New York, N. Y. Published June 25, 1925.

29,477.—*Title:* INVISIBLE TRUSS KUMFORT KUSHION PAD. For Trusses. THE UNITED STATES TRUSS CO., Cincinnati, Ohio. Published May 6, 1925.

29,478.—*Title:* MODERN MIDDIE BLOUSE. For Middie Blouses. NATHAN WEISS, Brooklyn, N. Y. Published July 1, 1925.



# PRINTS

## REGISTERED NOVEMBER 10, 1925.

8,308.—*Title:* NEW ERA MIXER. For Mixing Machines. AMERICAN OVEN & MACHINE CO., Chicago, Ill. Published August 15, 1925.

8,309.—*Title:* A HEALTH RECORD TO BRAG ABOUT! THAT OF SENATOR ARTHUR CAPPER. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published September 17, 1925.

8,310.—*Title:* GOOD — (WINGFOOT) — YEAR GOOD WEAR MADE WITH SUPERTWIST. FOR Vehicle Tires Composed Wholly or in Part of Rubber. GOODYEAR TIRE & RUBBER COMPANY, INC., Akron, Ohio. Published April 5, 1925.

8,311.—*Title:* J-T MEMOMETER. For Memometers. J-T MEMOMETER MANUFACTURING COMPANY, Sherman, Tex. Published August 23, 1925.

8,312.—*Title:* SKIN-HEALTH FACE POWDER. For Face Powder. ALFRED J. KRANK, doing business as A. J. Krank Manufacturing Company, St. Paul, Minn. Published August 31, 1925.

8,313.—*Title:* POST'S BRAN FLAKES AS AN OUNCE OF PREVENTION. For Bran Flakes. POSTUM CEREAL COMPANY, INC., New York, N. Y. Published May 9, 1925.

8,314.—*Title:* FLIT. For Insecticide. STANDARD OIL COMPANY (N J), Bayonne, N. J. Published February 18, 1925.

8,315.—*Title:* ST. CLAIR SUPER ANTHRACITE COAL. For Coal. THE ST. CLAIR COAL COMPANY, Scranton, Pa. Published August 10, 1925.

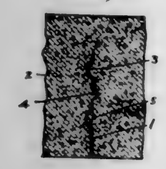
8,316.—*Title:* KARESS COMPLEXION SPECIALTIES. For Complexion Specialties. WOODWORTH, INC., New York, N. Y. Published June 17, 1925.

8,317.—*Title:* TUBAN TYRE. For Tires and Tubes. JACK R. YOUNG, Marysville, Calif. Published September 5, 1924.

# REISSUES

## NOVEMBER 10, 1925.

16,202. ROADWAY JOINT. BERNARD BRIODY, Youngstown, Ohio, assignor to Truscon Steel Company, a Corporation of Michigan. Filed Aug. 29, 1925. Serial No. 53,419. Original No. 1,537,063, dated May 12, 1925, Serial No. 312,164, filed July 21, 1919. 5 Claims. (Cl. 94—18.)



1. In a roadway, a body of concrete constituting the pavement of the roadway, and a strip of metal embedded in the concrete and corrugated longitudinally, whose length is the width of the pavement and whose upper edge is below the surface of the roadway, the tongues of concrete formed by the corrugations on the adjacent road sections serving to keep said sections in alinement.

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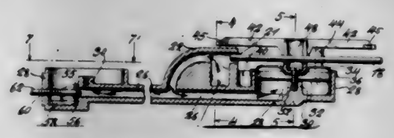
16,203. GASOLINE CAMP STOVE. LOUIS B. GOLDBERG, NATHAN GOLDBERG, JACOB M. GOLDBERG, and WILLIAM GOLDBERG, Denver, Colo. Filed Aug. 7, 1925. Serial No. 48,908. Original No. 1,517,355, dated Dec. 2, 1924, Serial No. 509,396, filed Oct. 21, 1921. 9 Claims. (Cl. 158—65.)



4. In a camp stove, a manifold, an upwardly opening burner connected therewith, a vaporizing cup between the manifold and the burner, a guard plate on the burner said guard plate having a central depression adapted to serve as a fuel cup, and a fuel conduit leading across said cups to said manifold.

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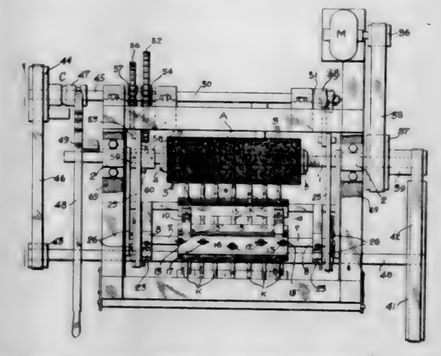
16,204. POLISHING MACHINE. FRANK RAMSTETTER and WILLIAM J. BRITT, St. Louis, Mo., assignors to Simmons Hardware Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 16, 1922. Serial No. 594,954. Original No. 1,356,737, dated Oct. 26, 1920, Serial No. 266,630, filed Dec. 13, 1918. 20 Claims. (Cl. 51—91.)

1. In a knife polishing machine, a rotary polishing roll, a yielding knife holder whereby the knives are yieldingly held with their blades engaging the periphery of said rotary polishing roll, means whereby one of said parts is moved toward and away from the other to engage different portions of each knife blade with said polishing roll, and adjustable means for varying the frictional contact between said polishing roll and the knife blades, said adjustable means including bearings wherein said



roll is rotatably mounted, adjusting screws for moving said bearings and operating means whereby said screws are adjusted simultaneously.

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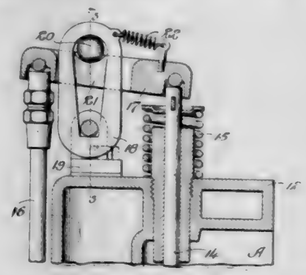
16,205. VALVE-OPERATING MECHANISM. DORSEY F. ASBURY, Broomes Island, Md. Filed Feb. 11, 1925. Serial No. 8,574. Original No. 1,481,951, dated Jan. 29, 1924, Serial No. 374,997, filed Apr. 19, 1920. 21 Claims. (Cl. 123—90.)



17. In a valve operating mechanism, a rocker arm and a support therefor one of which is provided with a trough of V-shaped cross section, and a member between said rocker arm and said support rolling in said trough.

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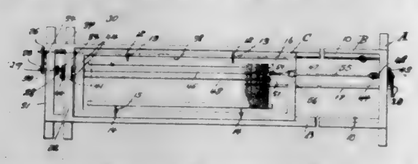
16,206. HEDDLE-SPACER-INSERTING MACHINE. FRED E. BEARDEN, Spartanburg, S. C., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Filed Aug. 22, 1921. Serial No. 494,385. Original No. 1,339,313, dated May 4, 1920, Serial No. 307,046, filed June 27, 1919. 18 Claims. (Cl. 28—46.)

1. A machine for inserting a helically-coiled wire between the cords of a harness comprising means to support the harness, a helical screw or worm, a feed member for a helically coiled wire, means active upon the helically coiled wire for opening the coils successively, and means

for spreading the supporting cords of the heddle eyes of the harness and positioning the same relative to the



first named means for the automatic placing of the eye supporting cords successively thereby in the helices of the coiled wire.

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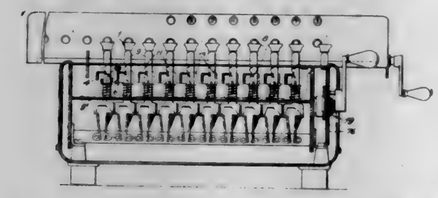
16,207. KEYBOARD-CLEARING MEANS FOR CALCULATING MACHINES. EDGAR E. PHINNEY, Saugus, Mass., assignor to Monroe Calculating Machine Company, Orange, N. J., a Corporation of New York. Filed Sept. 21, 1925. Serial No. 57,802. Original No. 1,432,616, dated Oct. 17, 1922, Serial No. 364,042, filed Mar. 8, 1920. 4 Claims. (Cl. 235—60.)



3. In a key-set calculating machine, an operating shaft, spring-retracted numeral keys, means for retaining said keys in depressed position, means for releasing the keys from said retaining means including a cam on said operating shaft and an adjustable lever, and means for adjusting said lever longitudinally of said shaft, into or out of contacting position with said cam, including a depressible key having a cam wall engaging said lever.

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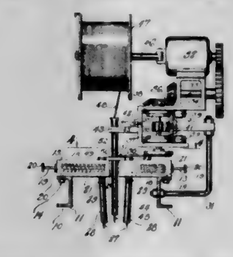
16,208. WEAVING MACHINE. ALFRED WILD, Milwaukee, Wis., assignor to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 1, 1922. Serial No. 604,428. Original No. 1,386,826, dated Aug. 9, 1921, Serial No. 339,147, filed Nov. 19, 1919. 17 Claims. (Cl. 139—12.)



1. A weaving machine comprising means for supporting a templet body having a plurality of spaced warp members all fixed at one of their ends thereto, a plurality of carrying members for said warp members and in which the other ends of the warp members engage, there being a carrying member for each warp member, and means for interweaving a weft between said warp members by inserting said weft from those ends of the warp members engaged in said carrying members.

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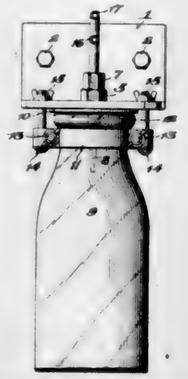
16,209. PURIFIER FOR GASOLINE SYSTEMS. ORA H. JUSTUS, Parkersburg, W. Va. Filed Aug. 8, 1925. Serial No. 49,152. Original No. 1,464,822, dated Aug. 14, 1923, Serial No. 435,909, filed Jan. 8, 1921. 8 Claims. (Cl. 210—165.)



3. In a gasoline system, a bracket formed for connection to the dash of an automobile, a receptacle having a bead adjacent its mouth, a gasket interposed between the receptacle mouth and the bracket, a clamp arranged about the receptacle mouth and engaged with and beneath the bead, an inlet and an outlet in the bracket, and a series of independent means to connect the clamp to the bracket to thereby draw the receptacle against the gasket.

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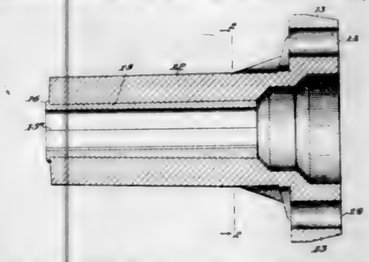
16,210. DRILL HEAD. ALFRED E. WILLIAMS, Copper Hill, Ariz. Filed May 18, 1925. Serial No. 31,239. Original No. 1,498,598, dated June 24, 1924, Serial No. 695,874, filed Feb. 28, 1924. 5 Claims. (Cl. 308—237.)

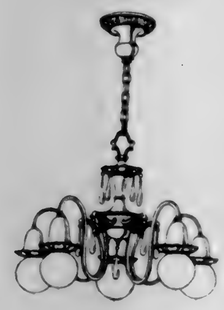


4. A front drill head, for a stope hammer machine, provided with an opening therethrough, combined with a steel bushing fitting tightly in said opening and having a slightly protruding end which is upset to form a bead to hold the bushing in place, but which bead may be cut away to enable the bushing to be driven out of the head when desired, the contacting portions of one of said parts being slightly tapered so that said bushing may be driven tightly in said head and may be readily driven out when said bead is removed.

# DESIGNS

## NOVEMBER 10, 1925.

68,687. CHANDELIER. HARRY AGLOW, New York, N. Y., assignor to Artcraft Metal Stamping Corporation, a Corporation of New York. Filed Sept. 18, 1925. Serial No. 14,812. Term of patent 3½ years.



The ornamental design for a chandelier, substantially as shown.

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68,688. CUP. THOMAS B. ANDERSON, Coshocton, Ohio. Filed July 17, 1925. Serial No. 14,124. Term of patent 3½ years.

The ornamental design for a cup as shown.

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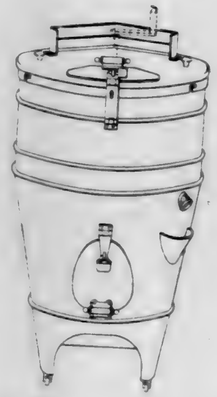
68,689. RING. ALFRED E. BEAURDOARD, Central Falls, R. I. Filed Aug. 28, 1924. Serial No. 10,569. Term of patent 14 years.

The ornamental design for a ring, as shown.

68,690. CASING FOR A DISPENSING CABINET. MARCUS BLOOM, Charlotte, N. C. Filed Nov. 17, 1923. Serial No. 7,797. Term of patent 14 years.



The ornamental design for a casing for a dispensing cabinet as shown.

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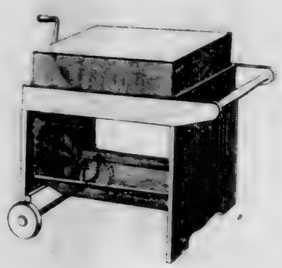
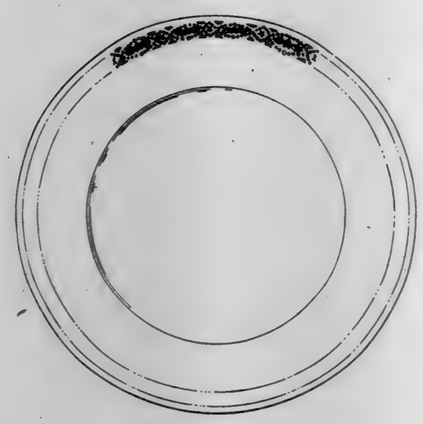
68,691. PHONOGRAPH CABINET OR SIMILAR ARTICLE. HARRY L. BRADLEY, Milwaukee, Wis., assignor of one-half to Lynde Bradley, Milwaukee, Wis. Filed June 1, 1925. Serial No. 13,615. Term of patent 7 years.



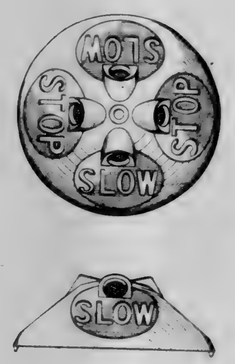
The ornamental design for a phonograph cabinet or similar article, as shown.

68,692. CHINA PLATE OR SIMILAR ARTICLE. EUGENE A. DE LAN, New Castle, Pa., assignor to Shenango Pottery Co., New Castle, Pa., a Corporation of Pennsylvania. Filed Sept. 17, 1925. Serial No. 14,801. Term of patent 7 years.



The ornamental design for a china plate or similar article, as shown.

68,693. TRAFFIC SIGNAL. GEORGE L. ESTES, Oklahoma City, Okla. Filed July 3, 1925. Serial No. 13,989. Term of patent 14 years.




The ornamental design for a traffic signal, as shown.

68,694. URN OR SIMILAR ARTICLE. EDWARD A. FARR, Meriden, Conn., assignor to Manning, Bowman & Company, Meriden, Conn., a Corporation of Connecticut. Filed Sept. 1, 1925. Serial No. 14,678. Term of patent 7 years.

The ornamental design for an urn or similar article substantially as shown.

68,695. COFFEEPOT OR SIMILAR ARTICLE. EDWARD A. FARR, Meriden, Conn., assignor to Manning, Bowman & Company, Meriden, Conn., a Corporation of Connecticut. Filed Sept. 1, 1925. Serial No. 14,679. Term of patent 7 years.

The ornamental design for a coffeepot or similar article substantially as shown.



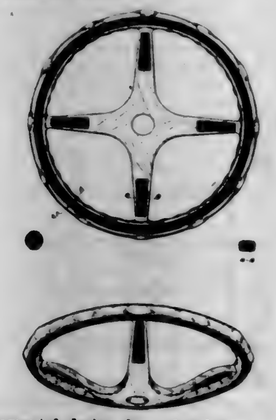
68,696. COVER PAPER. WILLIAM S. FOWLER, Holyoke, Mass., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed July 31, 1925. Serial No. 14,294. Term of patent 14 years.

The ornamental design for cover paper as shown.

68,697. BUTTON. SAMUEL FRANKLIN GAMMON, Jacksonville, Fla., assignor to The International Association of Civitan Clubs, Birmingham, Ala., a Corporation of Alabama. Filed Mar. 16, 1925. Serial No. 12,739½. Term of patent 14 years.

The ornamental design for a button, as shown.

68,698. HANDWHEEL. HARVE D. GEYER, Dayton, Ohio, assignor, by mesne assignments, to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 10, 1922. Serial No. 1,669. Term of patent 7 years.



The ornamental design for a handwheel as shown.

68,699. BOX OR SIMILAR CONTAINER. ARTHUR T. GOLLNIK, New York, N. Y. Filed Aug. 17, 1925. Serial No. 14,504. Term of patent 7 years.

The ornamental design for a box or similar container, as shown.

68,700. DOLL OR SIMILAR ARTICLE. MAX GOODMAN, New York, N. Y. Filed Sept. 28, 1925. Serial No. 14,930. Term of patent 14 years.

The ornamental design for a doll or similar article as shown.

68,701. RADIATOR. AUSTIN H. HART, Greenwich, Conn., assignor, by mesne assignments, to Rome Radiation Company, Inc., a Corporation of New York. Filed May 23, 1924. Serial No. 9,692. Term of patent 14 years.

The ornamental design for a radiator, as shown.

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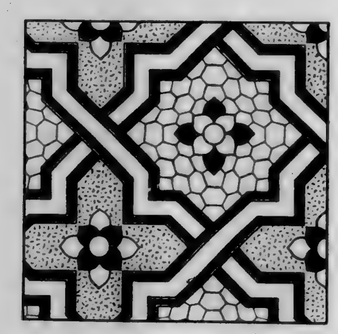
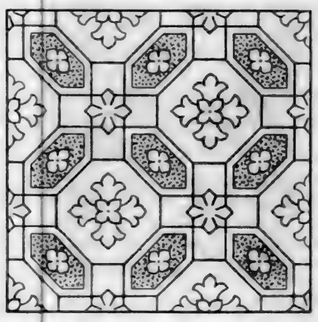
68,702. LINOLEUM OR SIMILAR ARTICLE. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 4, 1924. Serial No. 10,366. Term of patent 7 years.



The ornamental design for linoleum, or similar article as shown.

68,703. LINOLEUM OR SIMILAR ARTICLE. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 4, 1924. Serial No. 10,367. Term of patent 7 years.



The ornamental design for linoleum or similar article as shown.

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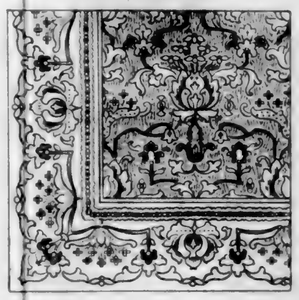
68,704. LINOLEUM OR SIMILAR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 26, 1924. Serial No. 11,484. Term of patent 7 years.



The ornamental design for linoleum or similar floor covering substantially as shown.

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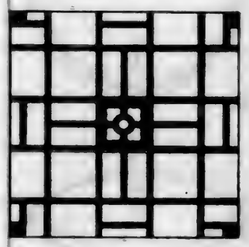
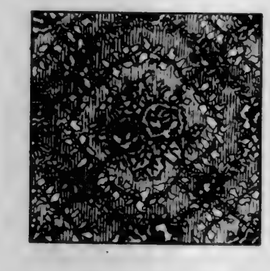
68,705. LINOLEUM OR SIMILAR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 17, 1924. Serial No. 11,726. Term of patent 7 years.



The ornamental design for linoleum or similar floor covering, as shown.



68,706. LINOLEUM OR SIMILAR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 17, 1924. Serial No. 11,727. Term of patent 7 years.



The ornamental design for linoleum or similar floor covering, as shown.

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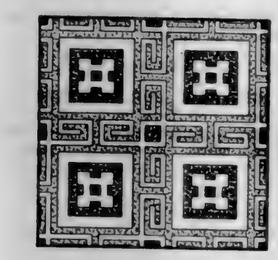
68,707. LINOLEUM OR SIMILAR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1925. Serial No. 12,124. Term of patent 7 years.



The ornamental design for linoleum or similar floor covering, as shown.

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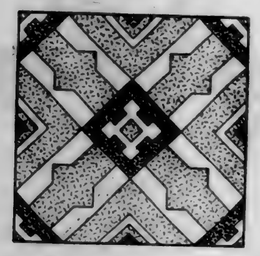
68,708. LINOLEUM OR SIMILAR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1925. Serial No. 12,125. Term of patent 7 years.



The ornamental design for linoleum or similar floor covering, as shown.

68,709. LINOLEUM OR SIMILAR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1925. Serial No. 12,126. Term of patent 7 years.

The ornamental design for linoleum or similar floor covering, as shown.

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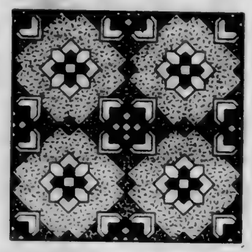
68,710. LINOLEUM OR SIMILAR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1925. Serial No. 12,127. Term of patent 7 years.



The ornamental design for linoleum or similar floor covering, as shown.

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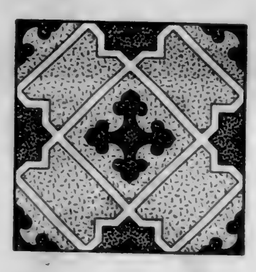
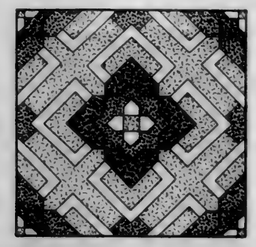
68,711. LINOLEUM OR SIMILAR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1925. Serial No. 12,128. Term of patent 7 years.



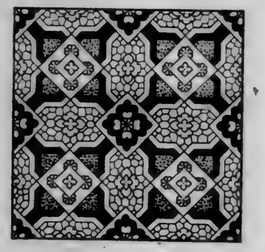
The ornamental design for linoleum or similar floor covering, as shown.

68,712. LINOLEUM OR SIMILAR FLOOR COVERING. HARRY S. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1925. Serial No. 12,119. Term of patent 7 years.



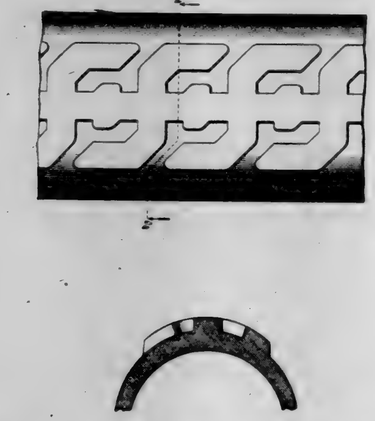
The ornamental design for linoleum or similar floor covering as shown.

68,713. LINOLEUM OR SIMILAR FLOOR COVERING. HARRY S. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1925. Serial No. 12,122. Term of patent 7 years.



The ornamental design for linoleum or similar floor covering, as shown.

68,714. RESILIENT TIRE. ROBERT IREDELL, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 15, 1922. Serial No. 2,260. Term of patent 14 years.

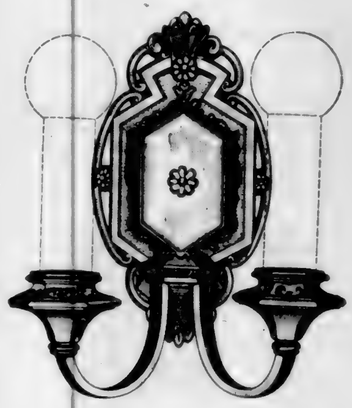


The ornamental design for a resilient tire, as shown.

68,715. COMBINED TOOTHPICK SERVER AND NAPKIN HOLDER. DELBERT W. JEWELL, Kalamazoo, Mich. Filed July 13, 1925. Serial No. 14,073. Term of patent 3½ years.

The ornamental design for a combined toothpick server and napkin holder, as shown.

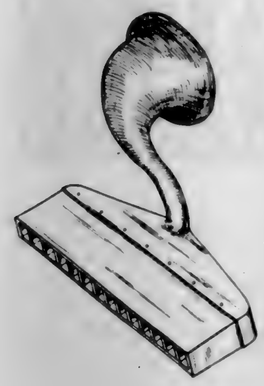
68,716. BRACKET BACK FOR LIGHTING FIXTURES. MICHAEL JONICK, New York, N. Y., assignor to Jonick Sirken Co., Inc., a Corporation of New York. Filed July 10, 1925. Serial No. 14,045. Term of patent 3½ years.



The ornamental design for a bracket back for lighting fixtures as shown.



68,717. HARMONICA. HENRY KATZ, New York, N. Y., assignor to The Ferdinand Strauss Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 26, 1925. Serial No. 14,593. Term of patent 7 years.



The ornamental design for a harmonica as shown.

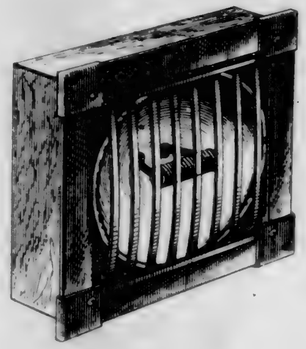
68,718. DISPLAY RACK. MAURICE S. KELLER, New York, N. Y. Filed July 27, 1925. Serial No. 14,231. Term of patent 3½ years.

The ornamental design for a display rack as shown.

68,719. FISH LURE. MICHAEL F. KIRWAN, O'Neill, Nebr. Filed Aug. 28, 1923. Serial No. 7,115. Term of patent 7 years.

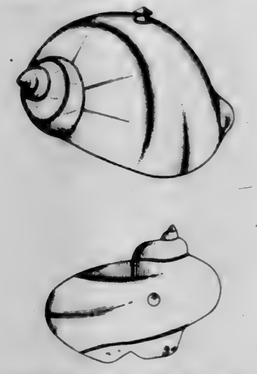
The ornamental design for a fish lure, as shown.

68,720. ELECTRIC WALL HEATER. RICHARD G. LEDIG, Philadelphia, Pa., assignor to A Mecky Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 10, 1925. Serial No. 14,747. Term of patent 7 years.



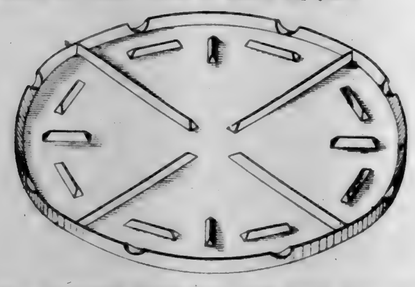
The ornamental design for an electric wall heater, as shown.

68,721. LAMP SHADE. GEORGE A. LIPPINCOTT, Philadelphia, Pa. Filed May 2, 1925. Serial No. 13,307. Term of patent 3½ years.



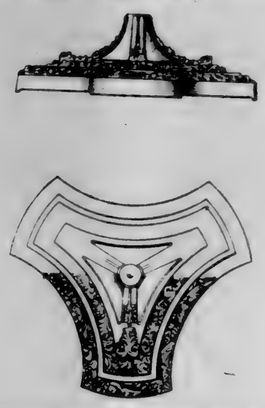
The ornamental design for a lamp shade, as shown.

68,722. HEAT GUARD STOVE PLATE. FRANK H. LONGACRE, Kansas City, Mo. Filed Aug. 24, 1922. Serial No. 3,544. Term of patent 3½ years.



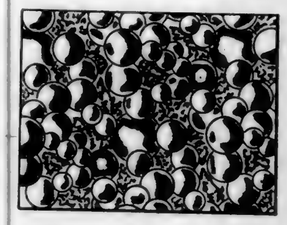
The ornamental design for a heat guard stove plate, as shown.

68,723. LAMP BASE. JACOB MANDEL, Chicago, Ill., assignor to Wellington-Stone Company, Inc., Chicago, Ill., a Corporation of Illinois. Filed June 5, 1925. Serial No. 13,064. Term of patent 3½ years.



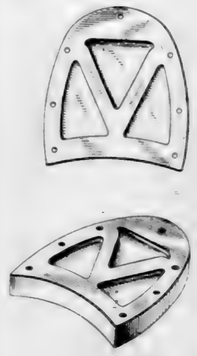
The ornamental design for a lamp base as shown.

68,724. COVER PAPER. RICHARD L. MARWEDE, New York, N. Y., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed July 31, 1925. Serial No. 14,283. Term of patent 14 years.



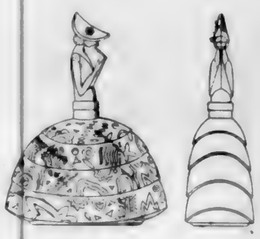
The ornamental design for cover paper as shown.

68,725. RUBBER HEEL. ELIJAH MCCOY, Detroit, Mich., assignor of one-half to George W. Jones, Detroit, Mich., and one-half to C. J. Broner, Detroit, Mich. Filed Feb. 19, 1923. Serial No. 5,211. Term of patent 3½ years.



The ornamental design for a rubber heel, as shown.

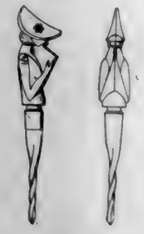
68,726. BOTTLE. ALBERT MOSHEIM, East Orange, N. J. Filed Aug. 20, 1925. Serial No. 14,539. Term of patent 14 years.



The ornamental design for a bottle, as shown.

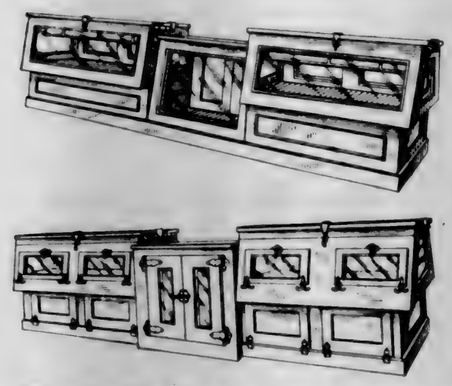


68,727. BOTTLE STOPPER. ALBERT MOSHEIM, East Orange, N. J. Filed Aug. 20, 1925. Serial No. 14,540. Term of patent 14 years.



The ornamental design for a bottle stopper, as shown.

68,728. FREEZER DISPLAY CASE. JERE J. MURPHY, Naugatuck, Conn., assignor to The Lasher Company, Naugatuck, Conn., a Corporation of Connecticut. Filed Aug. 26, 1925. Serial No. 14,598. Term of patent 14 years.



The ornamental design for a freezer display case as shown.

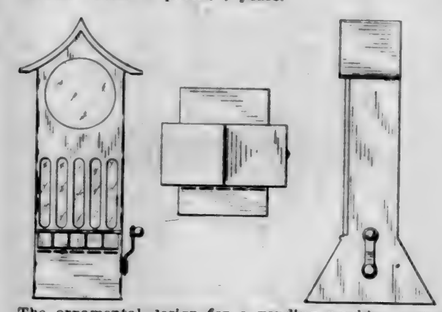
68,729. BOOTH. WILMA M. PAIGE, Joplin, Mo. Filed June 5, 1925. Serial No. 13,682. Term of patent 14 years.

The ornamental design for a booth substantially as shown.

68,730. BOOTH. WILMA M. PAIGE, Joplin, Mo. Filed July 20, 1925. Serial No. 14,141. Term of patent 14 years.

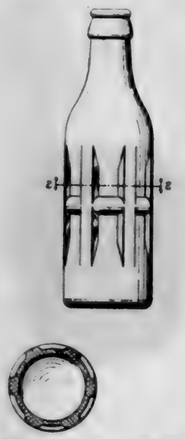
The ornamental design for a booth as shown.

68,731. VENDING-MACHINE CASING. JOHN C. QUINTIN, Alhambra, Calif., assignor to Harry Woollen, Los Angeles, Calif. Filed Mar. 28, 1925. Serial No. 12,932. Term of patent 7 years.



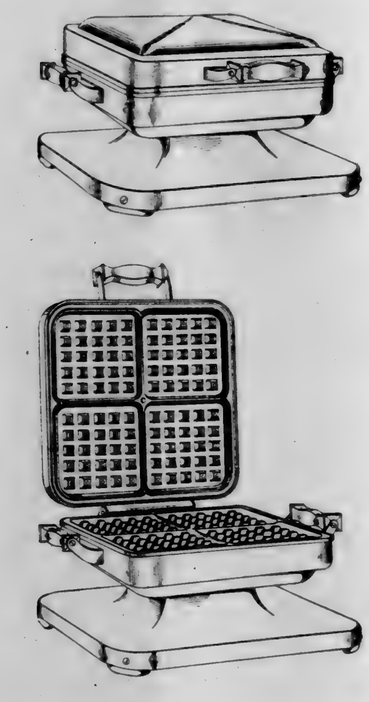
The ornamental design for a vending machine casing, as shown.

68,732. BOTTLE. CHAPMAN J. ROOT, Terre Haute, Ind. Filed May 1, 1925. Serial No. 13,282. Term of patent 14 years.



The ornamental design for a bottle as shown.

68,733. WAFFLE IRON OR SIMILAR ARTICLE. EDWIN A. RUTENBER, Milwaukee, Wis., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 12, 1925. Serial No. 14,768. Term of patent 14 years.

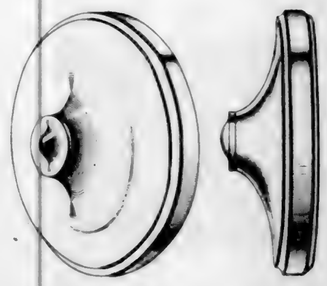


The ornamental design for a waffle iron or similar article as shown.

68,734. RADIO DIAL. SAUMEL RUTTENBERG and MEYER NATHAN LEIBOWITZ, Brooklyn, N. Y. Filed Sept. 11, 1925. Serial No. 14,760. Term of patent 7 years.

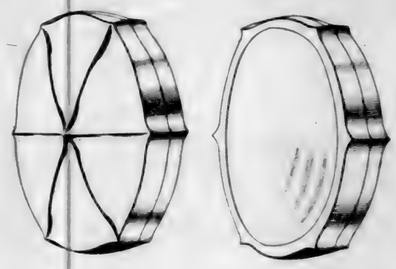
The ornamental design for a radio dial, as shown.

68,735. VEHICLE HEADLIGHT HOUSING. WALTER D'ARCY RYAN, Schenectady, N. Y. Filed July 9, 1924. Serial No. 10,092. Term of patent 14 years.



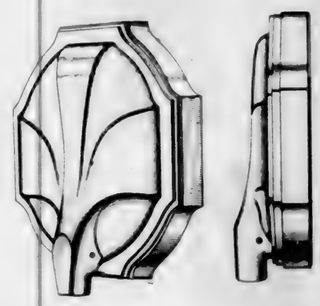
The ornamental design for a vehicle headlight housing as shown.

68,736. VEHICLE HEADLIGHT HOUSING. WALTER D'ARCY RYAN, Schenectady, N. Y. Filed July 9, 1924. Serial No. 10,093. Term of patent 14 years.



The ornamental design for a vehicle headlight housing as shown.

68,737. VEHICLE HEADLIGHT HOUSING. WALTER D'ARCY RYAN, Schenectady, N. Y. Filed July 9, 1924. Serial No. 10,095. Term of patent 14 years.



The ornamental design for a vehicle headlight housing as shown.



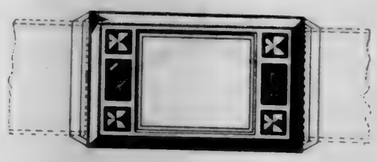
68,738. STOVE. ELMER A. SATTLER, Belleville, Ill. Filed July 29, 1925. Serial No. 14,257. Term of patent 7 years.

The ornamental design for a stove, as shown.

68,739. STOVE. ELMER A. SATTLER, Belleville., Ill. Filed July 29, 1925. Serial No. 14,258. Term of patent 14 years.

The ornamental design for a stove, as shown.

68,740. WRIST-WATCH CASE. HARRY W. SCHWETTMAN, Cincinnati, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 26, 1924. Serial No. 9,706. Term of patent 3½ years.



The ornamental design for a wrist watch case, as shown.

68,741. ELECTRIC CHANDELIER. ALFRED P. SEIBELL, Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Company, Orange, N. J., a Corporation of New Jersey. Filed Aug. 8, 1925. Serial No. 14,345. Term of patent 3½ years.

The ornamental design for an electric chandelier, as shown.

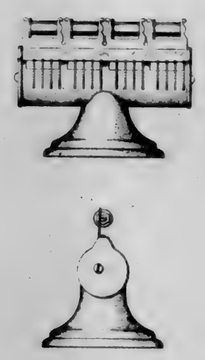
68,742. TOY ANIMAL. ALBERT SÉROR, New York, N. Y. Filed Sept. 24, 1925. Serial No. 14,895. Term of patent 3½ years.

The ornamental design for a toy animal, as shown.

68,743. DEFLECTOR FOR HEADLIGHTS. MELVIN ROBERT SMITH, Danbury, Conn., assignor to D-Flecto Light Company, Danbury, Conn. Filed July 16, 1925. Serial No. 14,111. Term of patent 7 years.

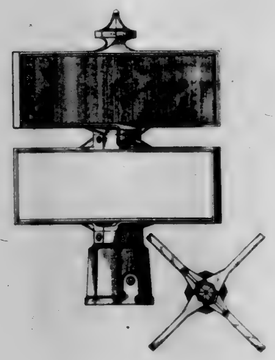
The ornamental design for a deflector for headlights, as shown.

68,744. RECORDER FOR CARD GAMES. ERNEST C. STYBERG, Racine, Wis. Filed Feb. 16, 1925. Serial No. 12,389. Term of patent 3½ years.



The ornamental design for a recorder for card games, as shown.

68,745. STREET SIGN. RAY A. THOMPSON, Chicago, Ill. Filed May 18, 1925. Serial No. 13,471. Term of patent 14 years.

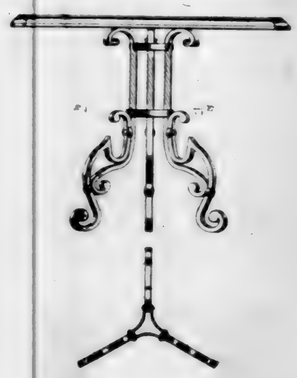


The ornamental design for a street sign as shown.

68,746. DISPLAY STAND OR SIMILAR ARTICLE. GEORGE R. WAALER, Chicago, Ill., assignor to Crystal Fixture Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 5, 1925. Serial No. 14,716. Term of patent 7 years.

The ornamental design for a display stand or similar article, as shown.

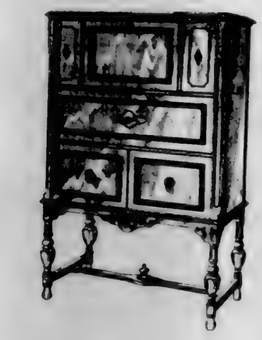
68,747. DISPLAY BENCH OR SIMILAR ARTICLE. GEORGE R. WAALER, Chicago, Ill., assignor to Crystal Fixture Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 5, 1925. Serial No. 14,717. Term of patent 7 years.



The ornamental design for a display bench or similar article, as shown.



68,748. RADIOCABINET. JOSEPH WOLFF, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc., a Corporation of New York. Filed July 6, 1925. Serial No. 14,006. Term of patent 7 years.

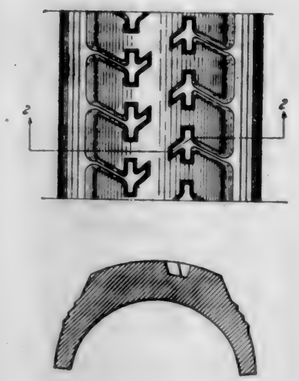


The ornamental design for a radiocabinet, substantially as shown.

68,749. CABINET FOR SOUND-PRODUCING DEVICES. JOSEPH WOLFF, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc., a Corporation of New York. Filed Aug. 10, 1925. Serial No. 14,372. Term of patent 7 years.

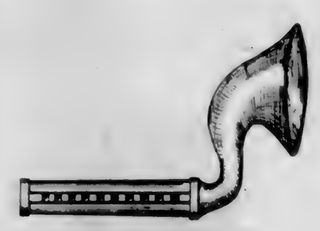
The ornamental design for a cabinet for sound producing devices, substantially as shown.

68,750. RESILIENT TIRE. PAUL WORTH, Akron, Ohio, assignor to The India Tire and Rubber Company, Mogadore, Ohio, a Corporation of Ohio. Filed July 9, 1923. Serial No. 6,730. Term of patent 14 years.



The ornamental design for a resilient tire, as shown.

68,751. HARMONICA. HENRY KATZ, New York, N. Y., assignor to The Ferdinand Strauss Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 26, 1925. Serial No. 14,594. Term of patent 7 years.

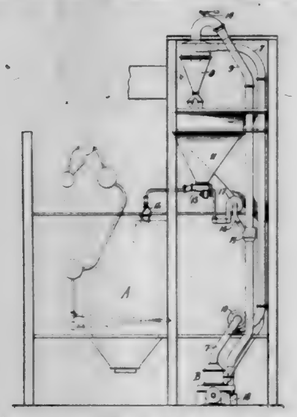


The ornamental design for a harmonica as shown.

# PATENTS

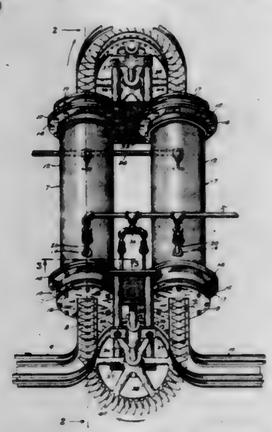
## GRANTED NOVEMBER 10, 1925.

1,560,519. HANDLING AND FEEDING OF PULVERIZED COAL. ARTHUR V. ADAMSON, Hempstead, N. Y., assignor to Combustion Engineering Corporation, a Corporation of New York. Filed Nov. 19, 1924. Serial No. 750,731. 3 Claims. (Cl. 302—22.)



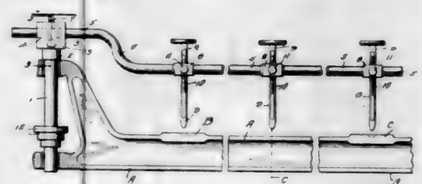
1. The combination in a fuel supply system, with a closed circulation of carrying air, a mill, a separator, a pipe from mill to the separator, a return pipe, a feeder, a conduit for conveying excess air in the system to the feeder, and a condensate collector for such conduit.

1,560,520. EXHAUST BOX. AMOS IVAN ADDISON, Long Beach, Calif., assignor to The Curtis Corporation, Wilmington, Del., a Corporation of Delaware. Filed Nov. 9, 1922. Serial No. 599,775. 4 Claims. (Cl. 126—272.)



1. An exhaust box comprising the combination of a pair of separate tunnel like heating chambers disposed parallel and adjacent to one another, an endless flexible conveyer rove through said chambers to form a closed loop so as to travel therethrough in series, and driving means geared outside of said chambers to said conveyer and disposed adjacent thereto.

1,560,521. DEVICE FOR GAUGING AUTOMOBILE AXLES. THORNWELL H. ANDREWS, Charlotte, N. C. Filed July 30, 1924. Serial No. 729,194. 5 Claims. (Cl. 33—180.)



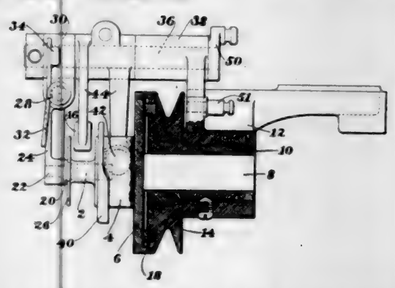
1. A device for testing axles, consisting of a king-pin adapted to be inserted in the swivel bearings of the axle, the king-pin having an enlarged head, a rod adjustably mounted in the head of the king-pin and extending longitudinally of the axle, and a plurality of depth gauges, adjustably mounted on the said rod.

1,560,522. HOIST. EDWIN J. ARMSTRONG, Erie, Pa., assignor, by direct and mesne assignments, to Erie Steam Shovel Company, Erie, Pa., a Corporation of Pennsylvania. Filed Sept. 4, 1923. Serial No. 660,775. 9 Claims. (Cl. 74—107.)



1. In a hoist, the combination of a drum; a motor driving the drum; a speed sensitive control mechanism controlling the motor; a clutch through which the drum is driven from the motor; and means operable by the same motion of an operator setting the clutch and varying the control mechanism.

1,560,523. BOBBIN-WINDING MACHINE. FRED ASHWORTH, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 19, 1919. Serial No. 291,268. 14 Claims. (Cl. 242—22.)



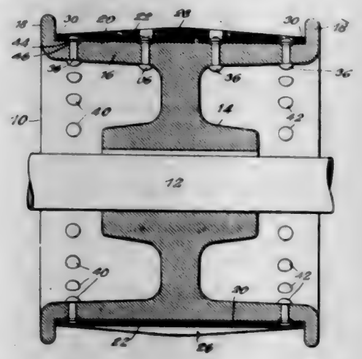
1. A bobbin winding machine having, in combination, a rotary driving member, a rotary driven member movable





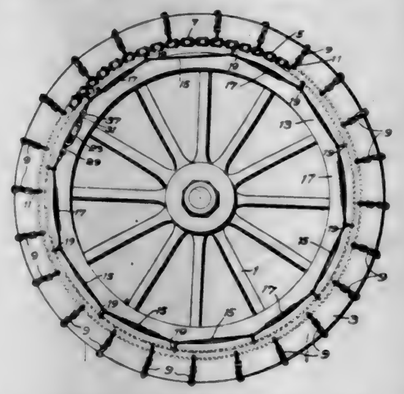
axially into and out of driving contact with the driving member, a bobbin supporting spindle connected with the driven member, a cam secured to the driven member to rotate therewith, an abutment arranged to engage the cam and cause the cam by its rotation to move the driven member axially out of contact with the driving member and movable into and out of the path of the cam, and means controlled from the thread wound on the bobbin for controlling the position of the abutment.

1,560,524. PULLEY. EDWARD S. AVERY, East Hampton, N. Y. Filed July 9, 1924. Serial No. 724,958. 8 Claims. (Cl. 64—45.)



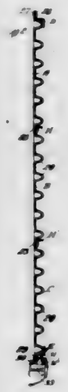
1. A metallic pulley having an outer coating of metal differing from the body portion of the pulley and a layer of resilient material vulcanized directly to the outer coating of the pulley.

1,560,525. TENSIONING DEVICE FOR TIRE CHAINS. CHARLES S. BARRELL, Boston, Mass. Filed Mar. 25, 1921. Serial No. 455,608. 5 Claims. (Cl. 152—14.)



3. A tensioning device for tire chains having side chains and cross chains, comprising a flexible member adapted for location within one of the side chains, elements adapted for connecting the flexible member at intervals with the side chain and for causing said member to assume a polygonal form, said flexible member including coil springs, and means for tensioning said coil springs, said connecting eelments and coil springs being distributer with a frequency such that all of the cross chains may be drawn into snug relation with the tread of the tire.

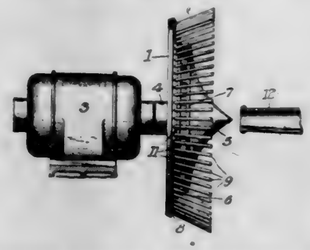
1,560,526. METAL DOOR. ALLAN S. BARROWS, Chicago, Ill. Filed May 8, 1919, Serial No. 295,603. Renewed July 22, 1921. Serial No. 486,808. 37 Claims. (Cl. 189—46.)



1. A door of the character described, comprising sheet metal and commercially rolled shapes, the sheet metal having portions thereof extending outwardly from the inner plane of the door along the edges of the door, said shapes being secured to the sheet metal along the edges and each of said shapes including a section at right angles to the plane of the door also extending outwardly from said inner plane and a section parallel thereto, said shapes being rigidly united to said outwardly extending portions of the sheet metal, the door having multiple-ply flat marginal portions, one ply of each of which is constituted by the section of the corresponding shape which extends parallel to said plane of the door.

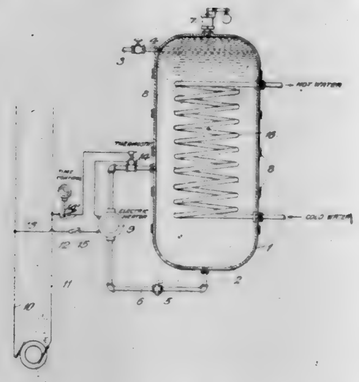
18. In combination with a railway car having a door opening, door supporting means arranged under said door opening, and a sheet metal door provided at its lower edge with a hollow box-like structure, the bottom of which bears on said door supporting means.

1,560,527. SPRAYING APPARATUS. EDWIN M. BASSLER, Milwaukee, Wis. Filed Dec. 8, 1921. Serial No. 520,801. 12 Claims. (Cl. 299—63.)



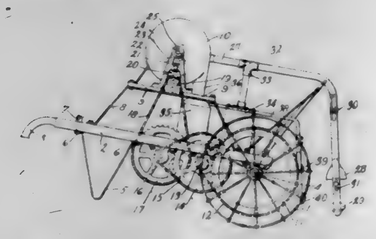
1. In spraying apparatus, the combination of a rotatable disk, spaced pins which project from a face of said disk at a distance from its axis of rotation, means for rotating said disk, means for discharging liquid upon the face of said disk from which the pins project, the centrifugal action of the disk when rotated operating to project the liquid discharged upon said disk outwardly across the face thereof and to deliver it in the form of a thin sheet or film to the pins which project from said disk, which will subject said sheet or film of liquid to a beating and centrifugal action and will project it outwardly in the form of spray.

1,560,528. HOT-WATER HEATING SYSTEM. FRANK GEORGE BAUM, San Francisco, Calif. Filed Apr. 25, 1924. Serial No. 708,890. 4 Claims. (Cl. 219—38.)



1. A water heating system comprising a relatively strong closed tank for containing a heat storage liquid, a heating element associated with said tank including a conductor for a heat-generating medium in communication therewith, two automatic devices for controlling the passage of said medium in said conductor, one being time-controlled and the other being responsive to the temperature of said liquid in the tank, and a water coil heater within the tank and communicating with inlet and outlet conduits external of the tank.

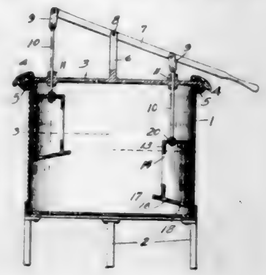
1,560,529. COMBINATION BUG COLLECTOR AND SPRAYING APPARATUS. FRANK B. BETTS, Jr., Dayton, Ohio. Filed May 10, 1922. Serial No. 559,789. 2 Claims. (Cl. 43—140.)



1. An implement of the character described, including in combination with a wheeled carriage, a suction device mounted on said carriage and operably connected therewith, a connection extended from said device, adapted to receive the insects sucked therethrough, and having a plurality of intakes connected thereto arranged in different planes, angularly disposed and adjustable vertically as a unit and also relatively one to another to adapt the same to the size of plants to be operated on, and adapted to be advanced with the travel of said carriage along a row of plants in close proximity to the plants to subject the same to the suction of said device.

1,560,530. WASHING MACHINE. WILLIAM F. BLAKE and ETHEL R. BLAKE, Toledo, Ohio. Filed Jan. 20, 1923. Serial No. 613,845. 4 Claims. (Cl. 259—112.)

3. A washing machine plunger forming a receiver for clothes and water and having an opening in one wall for admitting clothes and water to the interior of said plunger and having its opposite wall curved to conform to the curvature of the wall of a tub, the lower

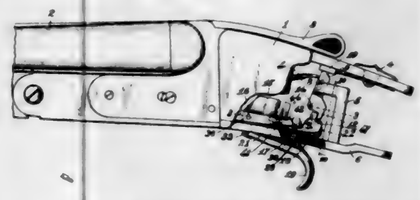


margin of said opening being sufficiently above the bottom of said plunger to form a pocket in the lower portion of the plunger.

1,560,531. AUTOMATIC SWITCH. WILLIAM G. BLAUVELT, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 24, 1924. Serial No. 715,709. 3 Claims. (Cl. 179—27.5.)

1. In an automatic switch, a terminal bank comprising a plurality of projecting contact lugs arranged in rows forming channels therebetween, and a plurality of brush sets for engaging said terminal lugs and having their tips positioned for travel in said channels, a pair of said channels being individual to each said brush set.

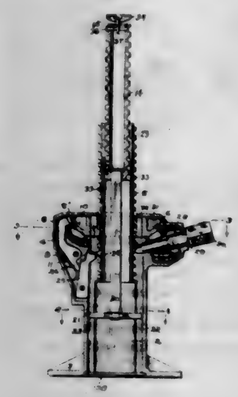
1,560,532. GUN. JAMES C. BROYLES, Birmingham, Ala.; Mrs. Celeste V. Broyles, administratrix of James C. Broyles, deceased. Filed June 9, 1924. Serial No. 718,867. 4 Claims. (Cl. 42—42.)



1. In a multiple barrel gun, the combination of actuating sears, a trigger, means actuated thereby for operating one of the sears, a slide shiftable to position for operating the other sear and adapted to be actuated by said trigger for effecting operation of said other sear, means for retaining the slide out of the operative position during operation of the first sear, means for shifting the slide to the sear-operating position, a safety lever adapted to be moved to and from a position preventing movement of the trigger, and a projection on the lever adapted to engage and restore said slide to its inoperative position.

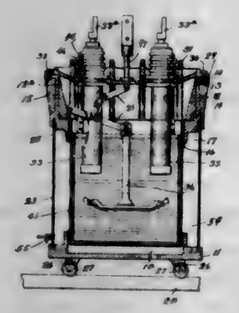


1,560,533. VEHICLE JACK. JOHN H. BURKHOLDER and JOHN A. CHATER, Ashland, Ohio, assignors to Elite Manufacturing Company, a Partnership or Firm composed of John H. Burkholder, P. E. Countryman, and E. L. Kilhefner, Ashland, Ohio. Filed June 23, 1924. Serial No. 721,786. 9 Claims. (Cl. 254—102.)



2. A vehicle jack, comprising a standard, a tubular main screw engaged with said standard having an inner lift screw, a rotatable gear mounted upon said standard and slidably splined to said main screw, a stopping device pivoted upon said standard adapted to engage the teeth of said gear, said device having a depending finger, a pivoted presser bar engaging said finger, and means carried by said lift screw adapted to actuate said presser bar to tilt said device into engaging position with the teeth of said gear upon the maximum upward movement of both screws.

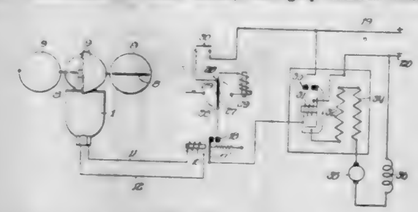
1,560,534. ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed Aug. 18, 1920. Serial No. 404,412. 33 Claims. (Cl. 200—150.)



6. An electric switch having the combination of an enclosing casing, a fluid receptacle disposed within the casing, and means connecting said casing and oil receptacle yieldingly.

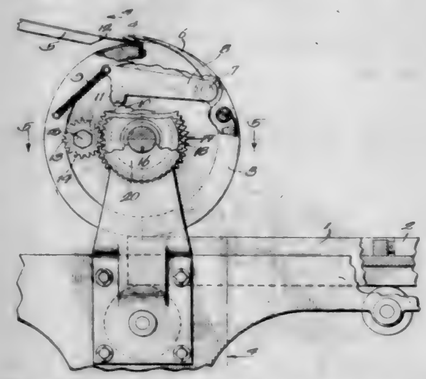
1,560,535. ANEMOMETER. CARL O. BURTON, Duluth, Minn. Filed Mar. 27, 1922. Serial No. 546,982. 1 Claim. (Cl. 188—155.)

Traveling crane control means, including, in combination, an anemometer device, an electric generator connected to be driven by said anemometer device, the motive mechanism of said crane, rail grip control mech-



anism, and a unitary relay responsive to the voltage developed by said generator for governing said rail grip control mechanism and said motive mechanism.

1,560,536. PRINTING PRESS. ALFRED C. CHRISTOPHERSON, Chicago, Ill., assignor to Hacker Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 24, 1925. Serial No. 11,194. 3 Claims. (Cl. 101—409.)

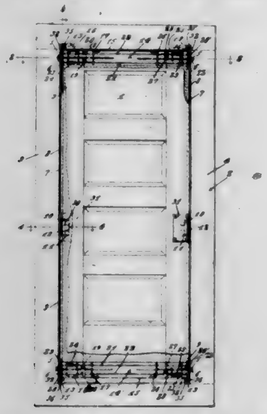


1. In a printing press, the combination with two complemental printing members of which one is a rotatable sheet receiving cylinder turning more than a revolution in its operating cycle; of sheet grippers carried by the cylinder and having means for applying them to sheets fed to the cylinder; mechanism for releasing the grippers and inclusive of complemental members, one of these members being carried by the cylinder and coupled with the grippers and the second member being mounted to turn about the axis of the cylinder to be adjustable in functioning position with respect to its complemental member and the cylinder; and gearing having a portion upon the cylinder and eccentric to the cylinder axis and a complemental portion coaxial with the cylinder and coupled with the second aforesaid gripper releasing member, said gearing being constructed to place the latter member in functioning position at the beginning and ending of the operating cycle of the cylinder.

1,560,537. COMBINED LATCH AND HINGE. JOSEPH S. COLE, Muncie, Ind. Filed Dec. 1, 1922. Serial No. 604,447. 2 Claims. (Cl. 16—147.)

1. The combination with a supporting structure having an opening provided with a closure; of a hanger for said closure including a pair of longitudinally extending spring projected rods to enter sockets in the wall of said opening, means to retract said rods to release the closure, and transversely arranged spring projecting locking bars carried by said closure, metal strips arranged on said structure opposite the ends of said locking bars, said strips being bulged outwardly and inclining

gradually upward from their ends toward their centers, said centers being designed to bindingly engage with said



bars when the closure is closed, and hold the closure against lateral movement, and means for releasing said locking bars.

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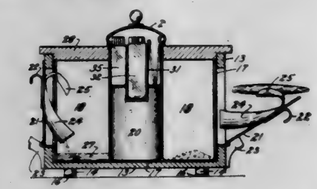
1,560,538. SMOKER'S ARTICLE. LEO E. COOKE, Denver, Colo. Filed May 9, 1924. Serial No. 712,017. 3 Claims. (Cl. 131—51.)



1. A smoker's article comprising a housing; a container placed within said housing; a door hinged on said housing and a cigar holder and ash tray secured to said door and arranged to deposit their contents into said container as said door is closed.

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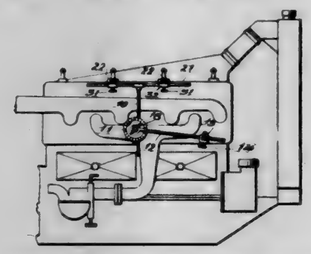
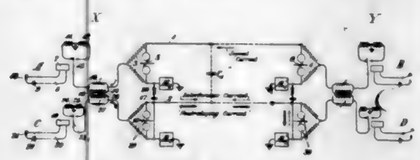
1,560,539. IDENTIFYING MEANS FOR MOTOR VEHICLES. WILLIAM D. COOPER, St. Paul, Minn., assignor of forty-nine two-hundredths to Henry Weiler and forty-nine two-hundredths to Robert C. Sweet, both of St. Paul, Minn. Filed Nov. 19, 1923. Serial No. 675,501. 7 Claims. (Cl. 33—174.)



1. A device of the class described comprising, an element adapted to be mounted in a predetermined position on a motor vehicle, and a plurality of graduated members carried by said element and arranged to be manipulated to measure the coordinates of identifying marks on the vehicle.

1,560,540. MEANS FOR PREVENTING ELECTRICAL INTERFERENCE. SAMUEL I. CORY, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 1, 1922. Serial No. 533,370. 10 Claims. (Cl. 178—69.)




1. In a system for reducing receiving-end cross-fire in telegraph circuits, the method which consists in transmitting over any circuit of a system a signaling impulse adapted, by the admittance of the system, to create an interfering impulse in the other circuits of the system, and simultaneously inducing in the other circuits of the system, by means of the transmission of the said signaling impulse over the said first mentioned circuit, neutralizing impulses to substantially neutralize the effect of the interfering impulse upon the distant receiving apparatus of the said other circuits.

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1,560,541. FILM-DYEING APPARATUS. JOHN G. CAPSTAFF, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 5, 1924. Serial No. 697,142. 11 Claims. (Cl. 8—19.)

5. Apparatus for the purpose described comprising two separated driving means for engaging and feeding strip material, and means for actuating said driving means to feed the material at the same speed, one of said driving means being mounted on a movable carrier, and the other of said driving means being disconnectible from said actuating means without disconnection of the first driving means, whereby stress is exerted between the strip material and said first driving means to move the latter and its carrier.

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1,560,542. CELLULOSE ACETATE COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed July 28, 1924. Serial No. 728,729. 8 Claims. (Cl. 106—40.)

2. A composition of matter comprising a solution of colloidized acetone-soluble cellulose acetate containing cresyl p-toluene sulfonate.

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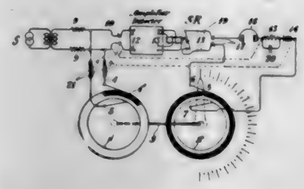
1,560,543. TESTING CIRCUITS FOR ECHO SUPPRESSORS. GEORGE CRISSON, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 25, 1923. Serial No. 670,740. 12 Claims. (Cl. 179—175.)

5. A system for testing the make time of a translating arrangement including a relay operating in response to



electric current, said system comprising means for applying current to said relay during successive intervals of pre-assigned duration, a signaling circuit controlled by said translating arrangement, means to produce sig-



nals in said circuit corresponding to successive applications of current, and means to vary the time of the production of the signals with respect to the instant at which the current is applied until a signal is produced at the instant the translating arrangement operates.

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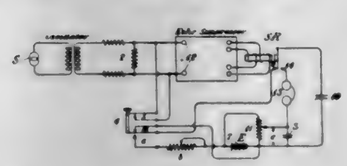
1,560,544. TESTING CIRCUITS FOR ECHO SUPPRESSORS. GEORGE CRISSON, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 25, 1923. Serial No. 670,741. 9 Claims. (Cl. 179—175.)



1. The method of testing the operating time of a translating arrangement including a relay responsive to electric current, which consists in applying current to the input terminals of the translating arrangement for a period of time, and gradually building up a potential during the time that it takes for the translating arrangement to respond to the conditions of current and no current at its input.

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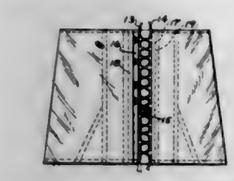
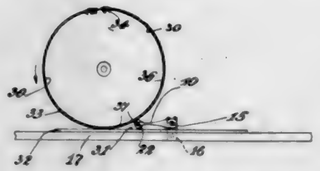
1,560,545. CORSET. KATHERINE E. CUNNINGHAM, Chicago, Ill., assignor to The H. W. Gossard Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 22, 1924. Serial No. 745,045. 3 Claims. (Cl. 2—39.)



1. A corset comprising a body having reinforcing members along separated adjustable laced edges, spaced closed lacing eyelets provided with a base rigidly secured to each of said members projecting toward the other member and with the axes of the eyelets substantially parallel to the reinforcing members, each eyelet comprising a plurality of adjacent coaxial loops of wire rounded in cross section having the ends thereof spaced and shaped for attachment to one of said reinforcing members, the rear of the eyelet extending inwardly not beyond the inner surface of said body.

1,560,546. SLITTER AND PERFORATOR FOR CYLINDER AND KELLY PRESSES. JOHN A. DAVIDSON, Brooklyn, N. Y. Filed Dec. 26, 1924. Serial No. 758,041. 5 Claims. (Cl. 101—250.)



1. The combination with a cylinder printing press, including a rotary cylinder and a movable bed, a perforator or slitter mounted with its cutting edge in close relation to the printing surface and cooperating therewith in its cutting operation.

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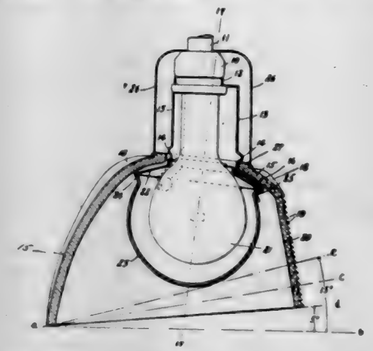
1,560,547. LIGHTING FIXTURE. LEROY C. DOANE, Cleveland, Ohio, assignor, by mesne assignments to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed July 26, 1921. Serial No. 487,734. 6 Claims. (Cl. 240—127.)



1. In a lighting fixture for incandescent electric lamps, a reflector, an inclosing bowl and a holder comprising means for attachment to a suitable support and rotation thereon, a plurality of supporting members having means therein for engaging said reflector, and means on each of said supporting member for engaging said inclosing bowl below said reflector, said supporting members varying in length between the attachment means and the reflector engaging means so that the rotation of the holder produces a change in the inclination of the axis of the reflector without affecting the other parts of the fixture.

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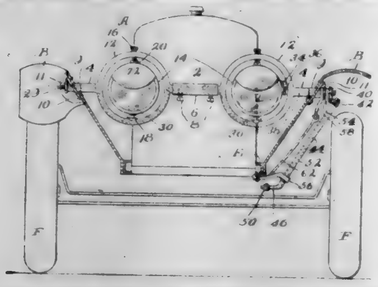
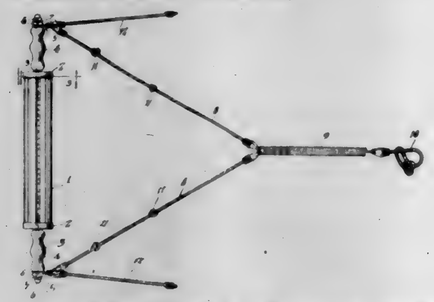
1,560,548. DIRIGIBLE HEADLIGHT. JOHN M. DORTON, Bonner Springs, Kans. Filed July 27, 1923. Serial No. 654,158. 2 Claims. (Cl. 240—61.)

1. In a dirigible headlight for motor vehicles, a rockable frame extending across the forward portion of the motor vehicle, bearings fixed to opposite sides of the motor vehicle and in which said frame is mounted, manually controlled means for rocking said frame in a vertical plane, a pair of headlights mounted to rock in a vertical plane with said frame and also independently thereof in a horizontal plane, a rack fixed to one of said headlights to rock the same in said horizontal plane, means connecting the headlights so that they will rock together in a horizontal plane, a gear intermeshing with said rack, a shaft journalled in the rockable frame and having said gear fixedly mounted thereon,

a second gear fixed to said shaft, and mechanism controlled by the steering mechanism of the car for actuating said second gear and through the intermediacy of the intervening parts above-mentioned effect the rocking of the headlights in a horizontal plane.

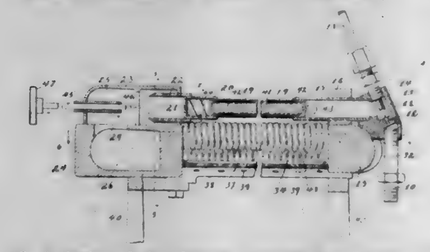


1,560,549. MASSAGE EXERCISER. WILLIAM DUNCAN, Los Angeles, Calif. Filed Sept. 19, 1921. Serial No. 501,582. 3 Claims. (Cl. 128—57.)



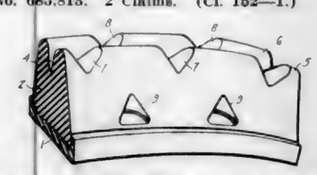
1. In a massage exerciser, a freely rotatable longitudinally grooved massage roller constructed to engage the side of one's body or limb and project at each side beyond the same, a tension member having means for attachment to a support, flexible cables connected to the opposite ends of the roller so as to pass on opposite sides of said body or limb and connected with the tension member, whereby the user of the device may move the roller to and fro while the tension member operates to press the same against the body or limb being massaged.

1,560,550. HYDROCARBON BURNER. WILLIAM H. DUNKERLEY, Paterson, N. J. Filed Nov. 16, 1923. Serial No. 675,038. 3 Claims. (Cl. 158—65.)



3. A device of the character described comprising primary burner tubes side by side and each consisting of a helix, a secondary mixing chamber with which one end of said tubes communicate, a primary mixing chamber above said secondary mixing chamber, a Y shaped member connecting the other ends of said tubes, a vaporizing tube communicating with said primary mixing chamber and extended above said tubes, and a valve controlled oil-supply for said vaporizing tube.

1,560,551. CUSHION TIRE. ERNST EGER, Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Jan. 12, 1924. Serial No. 685,813. 2 Claims. (Cl. 152—1.)

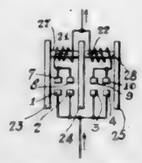


1. A cushion tire provided in the center of its periphery with an annular channel dividing it into two tread portions, each of said tread portions being notched in staggered relation to the other, the side walls of the tire having cavities remote from the tread portions and between radii extending to adjacent notches in each of the tread portions, said cavities being triangular in side elevation an diminishing in cross-section inwardly of the tire.

1,560,552. SOUND-REPRODUCING INSTRUMENT. LEE W. ESTERBROOK, Washington, D. C. Filed June 17, 1924. Serial No. 720,635. 5 Claims. (Cl. 181—32.)

1. A diaphragm for sound reproducing or recording instruments comprising a small sheet of resilient material and members consisting of flexible strips of varying length arranged at equal distances each from its nearest neighbor on one face of the diaphragm and closely attached thereto.

1,560,553. ELECTRIC SWITCH. CLARENCE T. EVANS, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed May 26, 1921. Serial No. 472,642. 1 Claim. (Cl. 200—147.)



The combination with an electric switch having a plurality of sets of cooperating contacts affording parallel conducting paths, of a blow out device comprising a plurality of coils respectively subjected to the current traversing said parallel paths and further comprising end pole pieces to be traversed by the flux of both of said windings when said sets of contacts are closed, and an intermediate pole piece adapted to concentrate the flux of either of said windings in the region of its controlling contacts upon opening of the other of said contacts.

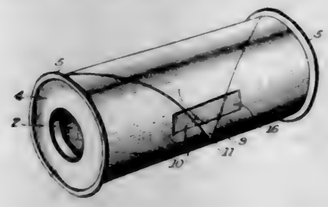
1,560,554. PROCESS OF TREATING CELLULOSE-ACETATE REACTION MIXTURES. EDWARD S. FARROW, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 4, 1924. Serial No. 730,119. 5 Claims. (Cl. 260—102.)

1. The process of separating and subdividing cellulose acetate from a reaction mixture of high viscosity, which



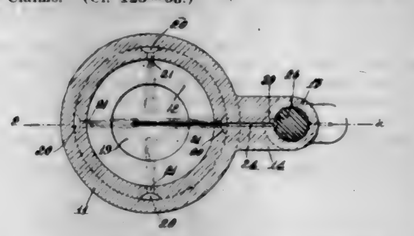
comprises forcing blades through said mixture and gradually adding liquid water during said forcing of said blades until cellulose acetate is precipitated in subdivided form.

1,560,555. PACKAGE OF SENSITIZED MATERIAL. EDWARD P. FLYNN, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 15, 1923. Serial No. 625,241. 2 Claims. (Cl. 206—59.)



1. A package of sensitized material comprising a rolled band, the outer end portion of which is tapered, all of said tapered portion being reinforced by a double thickness formed by folding the material back on itself, and a sticker sheet lying across said tapered portion, the ends of the sticker sheet being secured to the next inner convolution of the band and constituting the sole sealing means for the package, the extreme end of the tapered portion extending beyond the sticker sheet and constituting a manipulating tab.

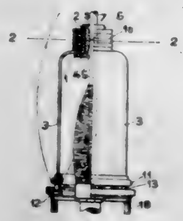
1,560,556. FUEL INJECTION AND MIXING MEANS FOR INTERNAL-COMBUSTION ENGINES. EUGENE A. FORD, Newton, Mass., assignor to R. E. D. Engine Company, Inc., New York, N. Y., a Corporation of New York. Filed July 3, 1920. Serial No. 393,927. 8 Claims. (Cl. 123—32.)



1. A fuel injection means for a high compression internal combustion engine, comprising the combination with the cylinder and piston of such an engine, of an auxiliary chamber, a transfer passage between said auxiliary chamber and the combustion space of said cylinder, and an auxiliary piston working in the auxiliary chamber closely fitting the same and adapted at one end to cross the entrance from said chamber of the transfer passage, the auxiliary chamber having an enlarged portion between said passage and its head and the piston having a zone carrying a multiplicity of intersecting grooves arranged to establish communication between said enlarged portion and the transfer passage when the auxiliary piston nears the head of the auxiliary chamber.

1,560,557. SPINNING MACHINE. WILLY FREUND, Chemnitz, Germany. Filed Mar. 6, 1925. Serial No. 13,546. 12 Claims. (Cl. 118—62.)

1. In a spinning apparatus of the character described, the combination with a spindle and with a cap connected slidably to said spindle, of a plurality of rotatable supporting elements for said cap, and a stationary cage holding and controlling said supporting elements so



that the yarn is subjected, during each revolution of the spindle, to a succession of instantaneous retardations.

1,560,558. PROCESS FOR PREVENTION OF DECAY OF CITROUS FRUITS. HARRY R. FULTON and JOHN J. BOWMAN, Washington, D. C. Filed Sept. 11, 1925. Serial No. 55,861. 1 Claim (Cl. 99—1.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

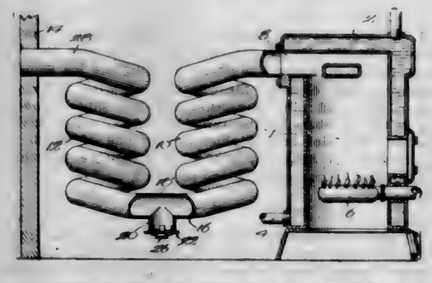
A method for the prevention of decay of fresh citrous fruits consisting in the treatment of such fruits with an aqueous solution comprising lithium carbonate, at a temperature below 120° F.

1,560,559. PROCESS FOR PRESERVATION OF FRESH FRUITS AND VEGETABLES. HARRY R. FULTON and JOHN J. BOWMAN, Washington, D. C. Filed Sept. 14, 1925. Serial No. 56,415. 2 Claims. (Cl. 99—1.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. An improved process for preparing fresh fruits and vegetables for market which comprises the application to the surface of such articles of an aqueous solution containing the sodium oxide radical and the boric acid radical in the proportion of one to three and of such a strength as to effectively retard the growth and development of the organisms that cause stem-end rot, blue-mold rot, and other forms of decay.

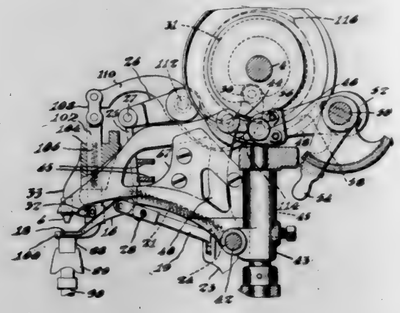
2. An improved process for preparing fresh fruits and vegetables for market which comprises the application to the surface of articles of a solution containing approximately 5 parts by weight of borax and 0.43 parts by weight of sulphuric acid in 100 parts by weight of water, to effectively retard the growth or development of the organisms causing stem-end rot, blue-mold rot, or other forms of decay.

1,560,560. HEATING ATTACHMENT. IRWIN A. GARDNER, Chicago, Ill. Filed Apr. 10, 1925. Serial No. 22,101. 5 Claims. (Cl. 126—99.)



1. A heating attachment for furnaces consisting of a double coil of pipe for conveying the flue gases from the furnace to the chimney, said coil being formed in two connecting sections having parallel axes.

1,560,561. EYELETING MACHINE. JOHN WILLIAM GODDARD, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 15, 1922. Serial No. 561,116. Renewed Feb. 16, 1924. 19 Claims. (Cl. 218—14.1.)



1. An eyeleting machine comprising an eyelet-inserting tool and a clenching tool arranged in permanent coaxial relation to each other, said clenching tool having a clenching shoulder formed to pass through a lacing-hole in one layer of an article of work so as to clench an eyelet between two layers of said article, and work-positioning mechanism arranged to force the work onto said clenching tool far enough to place said shoulder between two of the layers before the eyelet is inserted.

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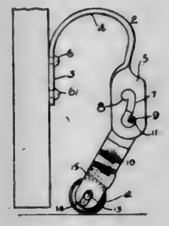
1,560,562. DOOR HOLDER. JOHN FRENCH GOLDING, New York, N. Y. Filed Dec. 27, 1921. Serial No. 525,216. 16 Claims. (Cl. 292—338.)



1. A door holder having in combination a spring member adapted to be attached to a door and the like so as to extend away therefrom, a swingable leg member having a foot element for engagement with the floor, and a slot and pin connection between said members, one of the members having the slot and the other having the pin, said slot having shoulders by one of which the leg member is held down and by the other of which the leg may be suspended above the floor.

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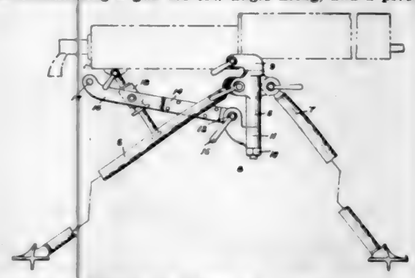
1,560,563. COMBINATION MOUNT FOR MACHINE GUNS. WALTER T. GORTON, U. S. Army. Filed Aug. 20, 1925. Serial No. 51,463. 5 Claims. (Cl. 89—40.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

4. A mount for machine guns embodying a central head, supporting legs pivotally secured thereto, a stem rotatable in said head, a yoke on one end of the stem for trunnioning a gun for low angle firing, and a pivoted



cradle on the other end of the stem provided with means for supporting the rear end of the gun.

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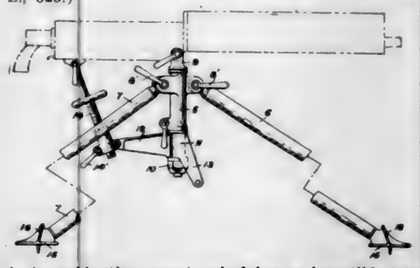
1,560,564. COMBINATION MOUNT FOR MACHINE GUNS. WALTER T. GORTON, U. S. Army. Filed Aug. 20, 1925. Serial No. 51,465. 6 Claims. (Cl. 89—40.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



4. A combination mount embodying an invertible tripod having its legs adjustably attached at one end of the tripod head, and means on either end of the tripod head, for trunnioning a gun.

6. A leg for invertible tripods and the like having its feet formed by shoes approximately perpendicular to each other, one portion of each shoe adapted to enter the ground when the other shoe rests upon the ground.

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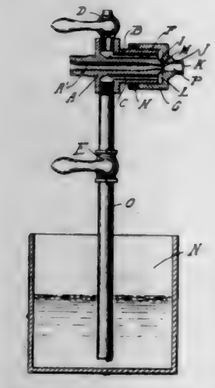
1,560,565. WIRE SPOKE FOR WHEELS. JAMES H. GRAHAM, Torrington, Conn. Filed May 24, 1922. Serial No. 563,402. 5 Claims. (Cl. 301—104.)

2. A wire spoke for vehicle wheels having a relatively short central cylindrical section of small diameter, and relatively long end section, of larger diameter.



1,560,566. OIL BURNER. ALBERT EDWARD GRANT, New York, N. Y., assignor, by mesne assignments, to Grant Oil Burner Corporation, Wilmington, Del., a Corporation of Delaware. Filed Oct. 15, 1923. Serial No. 668,568. 4 Claims. (Cl. 158—74.)



1. An oil burner of the character described comprising a body portion having an unobstructed central steam passage extending entirely therethrough and an oil and an air passage located diametrically opposite to each other at an equal distance from said steam passage, means for controlling the flow of air through said air passage and a cap adjustable on said body portion adapted to close communication between said steam passage and said air and oil passages.

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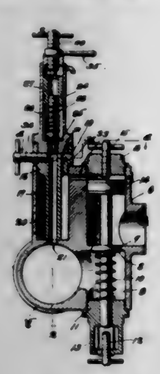
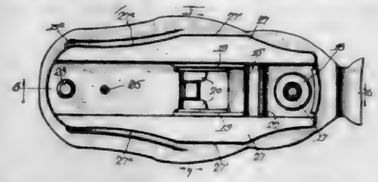
1,560,567. WATER-RELIEF VALVE. JORDAN W. GRANT, Portsmouth, Va. Filed July 7, 1925. Serial No. 42,049. 3 Claims. (Cl. 137—53.)



2. In a device of the character described, a body portion including a lateral valve housing and a vertical valve housing, said lateral valve housing having a lateral outlet opening, a valve for normally preventing the passage of liquid through the outlet opening, a slidable piston in the vertical valve housing, a valve including a valve stem movable in the second mentioned valve housing, a coiled spring on the valve stem and engaging the piston for restricting movement of the valve and valve stem, means for regulating the movement of the last mentioned valve, and said last mentioned valve adapted to be operated to admit fluid to the lateral valve housing to unseat the valve operating therein.

1,560,568. MANUFACTURE OF CARPENTERS' PLANES. GEORGE D. HAINES, Chicago, Ill., assignor to Vaughan & Bushnell Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 14, 1924. Serial No. 725,837. 15 Claims. (Cl. 76—101.)



1. That improvement in the manufacture of plane-bodies comprising a substantially flat sole or bottom, side flanges and attaching lugs, which consists in forging a bar of metal into a blank shaped to form the sole of the plane with integral attaching lugs on one face thereof and laterally extending portions, then bending only the laterally extending portions at an angle to the sole to extend upwardly therefrom to form the plane-sides, and then finishing the blank to form the plane-body.

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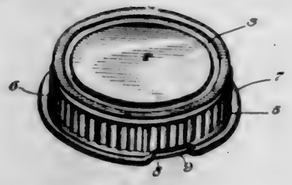
1,560,569. METAL CAP OR CLOSURE. CHARLES HAMMER, Hollis Court Boulevard, Queens County, N. Y. Filed Feb. 2, 1925. Serial No. 6,196. 4 Claims. (Cl. 215—44.)



1. A metal closure for glass containers, comprising a top having a depending skirt provided with a beaded or curled lower edge flattened or pressed upwardly and inwardly to form a relatively long inwardly extending locking lug having its inner face inclined to the top of the cap.

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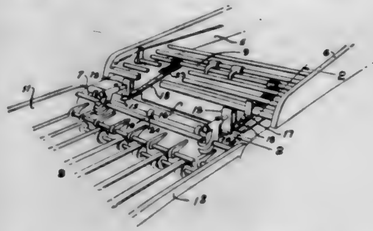
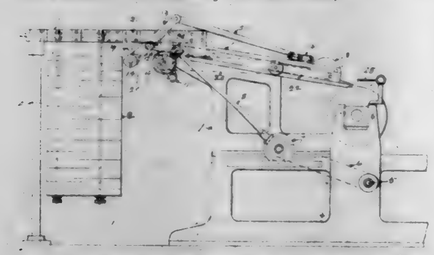
1,560,570. ATTACHMENT FOR PRINTING PRESSES. WILLIAM C. HAMMERSMITH, Denver, Colo. Filed Oct. 27, 1924. Serial No. 746,081. 4 Claims. (Cl. 271—53.)



1. In a printing press, in combination, a rotating cylinder provided with gripping devices, means for feeding sheets of paper to said cylinder, means for guiding the paper into position to be engaged by the grippers, said guide means comprising a tongue adapted to support a sheet of paper, a stop mechanism operatively associated with said tongue for stopping a sheet of paper in proper position to be engaged by the grippers, and a resilient tongue secured at one end to a fixed support and located above the first-mentioned tongue, said resilient tongue being adapted and adjusted to exert a yielding pressure

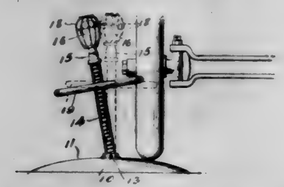
on the upper side of a sheet of paper as it is fed toward said stops for the purpose of holding it against the supporting tongue.

1,560,571. SHEET-FEEDING MACHINE. JAMES G. HARDIE, Canton, N. Y. Filed Mar. 21, 1922. Serial No. 545,551. 12 Claims. (Cl. 271—46.)



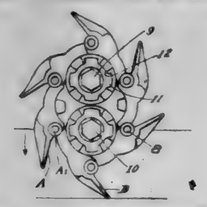
2. In a sheet-feeding machine, means adapted to advance a sheet to a predetermined position, a reciprocating member adapted to advance said sheet and deposit it upon a slower-moving means, which is adapted to place said sheet against stops.

1,560,572. TRAFFIC SIGNAL. PHILIP R. HATTON, Lebanon, N. H., assignor to The Lebanon Machine Co. Inc., Lebanon, N. H. Filed Sept. 11, 1923. Serial No. 662,070. 4 Claims. (Cl. 40—145.)



1. In a device of the character described, a base, a light element, an oscillatable mounting therefor, extending upwardly from the base, and an encircling member carried by the mounting spaced a distance above the base lying below the light and projecting a distance therebeyond horizontally, for the purposes described, said encircling member comprising an annular rim, a hub part adjustable vertically on the mounting, and connecting parts between rim and hub.

1,560,573. EARTH-SPADING DEVICE. CHRISTIAN F. HEINSS, Sr., Fort Madison, Iowa. Filed Jan. 9, 1925. Serial No. 1,469. 6 Claims. (Cl. 97—212.)

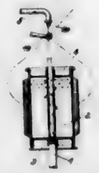


3. In a device of the character described, the combination of a pair of interspaced disks, the upper being formed as a sprocket and driven, and the lower having a curved periphery, and a chain passing over said disks, said chain being formed of links having means for engagement with the upper or sprocket disk, and a curved bearing face, and said links having spades thereon, said links being of a length approaching the length of the diameter of the lower disk.

1,560,574. PROCESS FOR EXTRACTION OF COPPER FROM THE MATTE. ALBERT H. HENDERSON, Baltimore, Md. Filed May 9, 1921, Serial No. 467,987. Renewed Apr. 21, 1925. 20 Claims. (Cl. 75—18.)

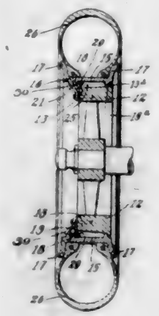
1. A method of treating copper matte to render the copper easily extractable comprising the step of subjecting the matte to the action of an alkali carbonate, fluxing agents and a hypo-chlorite of alkali, at a raised temperature.

1,560,575. APPARATUS FOR TREATING ARTIFICIAL THREADS WOUND ON BOBBINS. WILHELM HOHMANN, Delitzsch, near Halle, Germany, assignor to Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Filed Dec. 1, 1924. Serial No. 753,252. 16 Claims. (Cl. 117—2.)



1. Apparatus for treating artificial thread, comprising a hollow perforated cylinder defining a bobbin, a spindle, means for detachably securing the bobbin to the spindle and for centering it thereon, means for rotating the spindle and means for feeding a liquid into the interior of the bobbin.

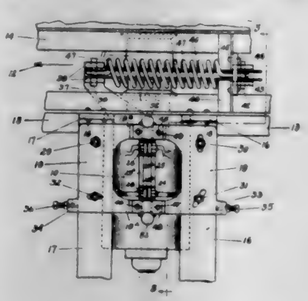
1,560,576. DEMOUNTABLE RIM FOR VEHICLE WHEELS. GEORGE HOMIAK, Newmarket, N. H. Filed May 27, 1925. Serial No. 33,131. 1 Claim. (Cl. 301—35.)



For use with a vehicle wheel whose felly has a bevelled peripheral face and an external stop bead at the inner edge thereof; a two-part demountable rim comprising an inner ring embracing the periphery of the felly and provided with an external tire-confining flange, said ring having at its inner edge an internal stop bead adapted to bear on the stop bead of the felly, and at its outer edge an inwardly projecting locking bead and a locking tongue projecting inward from the bead, the inner ring being spaced from the peripheral face of the felly to form an annular recess; and a flexible resilient non-continuous outer ring, provided with an external tire-confining flange, an external locking groove adapted to receive the locking bead, a slot adapted to receive the locking tongue, and an inner side face formed to enter said recess and bear on the outer edge of the peripheral face of the felly, the inner ring being normally circular and adapted to be distorted to engage its slot with the locking tongue, and to thereafter enter said recess to engage its locking groove with the locking bead and seat its side face on the felly.

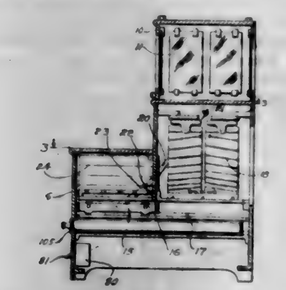


1,560,577. GENERATOR MOUNTING FOR RAILWAY CARS. GEORGE E. HULSE, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Feb. 27, 1924. Serial No. 695,401. 16 Claims. (Cl. 105—102.)



2. In a generator suspension for railway cars, in combination, supporting means mounted beneath the car, a shaft journaled in said supporting means, a generator, and a supporter lug connected to said generator and through which said shaft passes, said lug having a loose fit on said shaft at its central portion and being clamped securely about the same adjacent its ends.

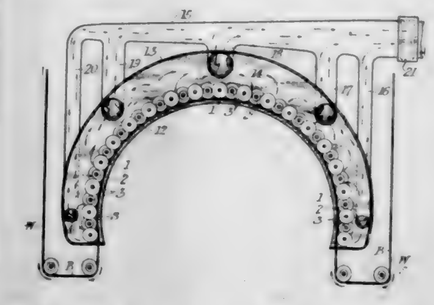
1,560,578. BREAD TOASTER. FREDERICK E. HUMMEL and JOHN J. NORTH, Chicago, Ill. Filed Feb. 4, 1924. Serial No. 690,580. 16 Claims. (Cl. 219—19.)



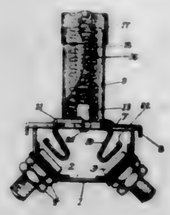
2. A bread toasting machine comprising a casing, a horizontally movable carriage slidable within said casing, a carriage operating lever having connection with the carriage, a manually operated lever associated with said first named lever and having means for swinging the carriage operating lever to operating position, and means whereby to hold the carriage operating lever in a set position.

1,560,579. SUCTION CONVEYER FOR SHEET MATERIAL. JOHN G. JONES, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 28, 1923. Serial No. 676,635. 6 Claims. (Cl. 271—2.3.)

1. In a conveyer for sheet material, the combination with a plurality of intermeshed conveyer rollers, some rollers being of greater diameter than others, and arranged with their peripheries lying close to each other whereby interstices are left between the rollers, said rollers forming one wall of a suction chamber associated with the rollers, and means for drawing air through the interstices between the rollers to hold material being conveyed against the rollers.

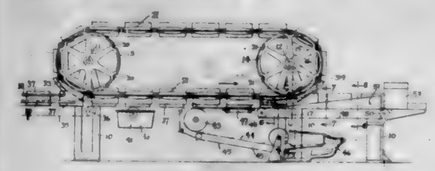


1,560,580. ELECTRIC STARTING-MOTOR SWITCH. HAROLD L. JOYCE, South Orange, N. J., assignor to Tiffany Manufacturing Co., Newark, N. J. Filed Feb. 14, 1925. Serial No. 9,162. 5 Claims. (Cl. 200—159.)



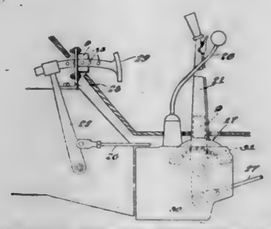
4. In a switch of the class described, including a box, cover, stem, cap and return spring within the stem; a pair of contacts positioned within the box so their faces are oppositely inclined to each other, a spring contact member and a guide member carried on the end of the plunger, the contact member being insulated, said contact member having its ends formed in reverse curves so as to insure a wiping and full area engagement with said box contacts.

1,560,581. BOOK-COVERING MACHINE. CHARLES A. JUENGST, Croton Falls, N. Y., assignor to American Assembling Machine Company, Memphis, Tenn., a Corporation of Delaware. Filed Mar. 14, 1924. Serial No. 699,164. 19 Claims. (Cl. 11—3.)



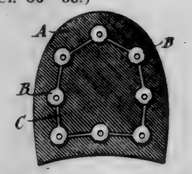
1. In a book covering machine, a looped endless book conveyor having a continuous advancing movement in a vertical plane, means for feeding books in upright position in parallelism with the conveyor and at the beginning of the lower run thereof, and means for holding and releasing the books at the end of the lower run whereby the latter travel only in a substantially horizontal, straight-line path through the machine.

1,560,582. SAFETY BRAKE LOCK AND BRAKE-LOCKING DEVICE FOR AUTOMOBILES AND TRUCKS. FRANK H. KAGARISE, Sharpsville, Pa. Filed Dec. 17, 1923. Serial No. 681,170. 2 Claims. (Cl. 70—128.)



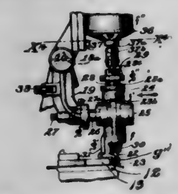
1. A lock for a movable brake lever comprising in combination a casing adapted to be mounted on an automobile, a bolt slidably mounted in said casing, said bolt having an annular collar adjacent one end and a flared shoulder adjacent its other end, a spring surrounding said bolt and bearing at one end against said collar and at its other against the casing, spring actuated opposing dogs mounted in said casing, the opposing faces of said dogs longitudinally grooved to enclose the body portion of said bolt, and having beveled transverse notches across said grooves adapted to receive and hold said flared shoulder, said dogs adapted to be engaged and spread apart by a key.

1,560,583. RUBBER HEEL. WILLIAM J. KENT, Brooklyn, N. Y. Filed July 27, 1923. Serial No. 654,175. 1 Claim. (Cl. 36—35.)



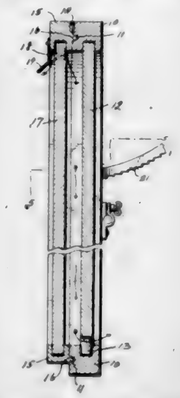

A rubber heel comprising a block of resilient rubber having nail holes, and washers embedded within it coincident with such holes and at a sufficient distance from the opposite faces of the block to afford a substantial intervening cushion, and relatively slender tie-portions connecting said washers, the washers and tie-portions being a single punching from a sheet of metal of uniform thickness, and the tie-portions being strong enough to connect the washers and hold them in spaced relation until placed in the mould, while so pliable as not to materially affect the pliability or cushioning action of the rubber heel.

1,560,584. APPARATUS FOR SPLICING MOTION-PICTURE FILMS. ROY HENRY KLAFFKI, Los Angeles, Calif. Filed Oct. 17, 1921. Serial No. 508,397. 4 Claims. (Cl. 154—42.)



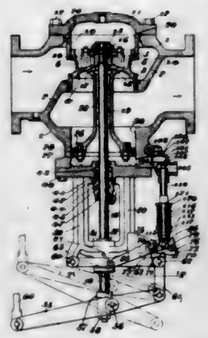
1. Film splicing apparatus comprising means for supporting a film comprising a photographic film per se and its base, rotatable means for removing the photographic film from its base, and means for operating said rotatable means; said rotatable means comprising a tool having an edge adapted for superficial contact with the film base and being mounted for rotation about an axis perpendicular to the plane in which the film is supported and movable in a plane parallel to said plane of film support.

1,560,585. WINDSHIELD. WILLIAM A. KLINGBERG, Afton, Okla. Filed Mar. 15, 1924. Serial No. 699,522. 2 Claims. (Cl. 296—94.)



1. In combination with a windshield embodying the usual main frame, a frame supported thereby, a second frame pivoted to the first named frame and shiftable from a position paralleling the first-named frame to a position at an angle to said frame, and means for maintaining the last named frame in a desired angular relation to the first named frame, glasses for said frames the glass of the outer frame having openings adjacent the upper end thereof, the glass of the lower frame having openings adjacent the lower edge thereof.

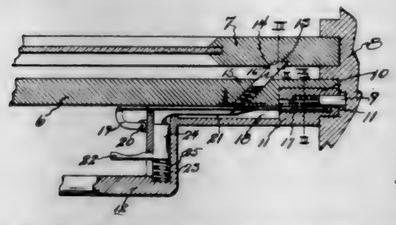
1,560,586. COMBINED CONTROL AND TRIP VALVE. PAUL W. KNAUF, Cynwyd, Pa., assignor to Schutte and Koerting Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 17, 1922. Serial No. 582,393. 11 Claims. (Cl. 137—139.)



2. In a combined control and trip valve structure, the combination of a valve, a casing therefor having an opening leading from the outlet side thereof underneath the said valve, a valve for controlling the passage of steam through said opening, a trip device, and means intermediate the said trip device and the second named valve for operating the latter, said means having connection with said trip device and adapted to be positively actuated thereby.

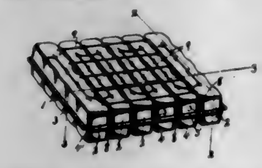


1,560,587. COMBINATION COACH-WINDOW LOCK AND HANDLE. CLARKE R. LAKE, Peoria, Ill. Filed Dec. 13, 1924. Serial No. 755,656. 6 Claims. (Cl. 292—33.)



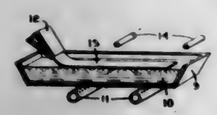
6. In a coach double window, a lifting handle mounted on the inner window frame and means including a slidably mounted trigger carried by and operable from said handle for selectively causing the windows to be coupled for raising or lowering together, substantially as set forth.

1,560,588. SPRING CUSHION. WILLIAM LEWIS, Utica, N. Y. Filed Feb. 21, 1924. Serial No. 694,285. 3 Claims. (Cl. 5—353.)



1. In a spring cushion, a row of coiled springs arranged in parallel spaced relation, opposed fabric strips extending across opposite ends of the springs and portions thereof folded between the springs and stitched together, and additional fabric strips extending across the outer faces of the first-named strips and adjacent ends of the springs and stitched together at opposite sides of the row.

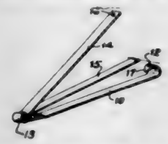
1,560,589. METHOD OF DRYING MATERIAL. BERNARD R. ANDREWS, Braintree, and STANLEY P. LOVELL, Brockton, Mass. Filed May 25, 1922. Serial No. 563,481. 6 Claims. (Cl. 34—24.)



5. The steps in the method of drying material which carries a volatile liquid, which consist in passing an air current over the material at a rate to cause normally by said evaporation a reduction in the temperature of the material to a point below that of the air current and below the dew-point of the surrounding atmosphere, and subjecting said material to the action of radiant heat in sufficient quantities to maintain the material at a temperature above said dew-point.

1,560,590. HAIR CURLER. JOSEPH M. LOZANO, Philadelphia, Pa., assignor to West Electric Hair Curler Co., Philadelphia, Pa. Filed May 27, 1924. Serial No. 716,159. 2 Claims. (Cl. 132—41.)

1. A hair curler having a base member, a plurality of relatively narrower arms formed integral and hinged to said base member, one of said arms being shorter than the other said arms and means for locking the longer of said arms to said base member and an upward bend in said

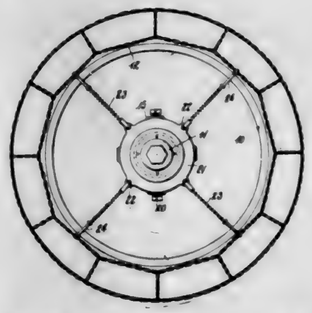


base member adjacent to the hinged end thereof, to retain said integrally formed arms spaced from said base member.

1,560,591. PROCESS FOR MAKING PAPER PULP. BERTRAM T. MCBAIN, JOHN E. ALEXANDER, and GOSTA GENBERG, Port Edwards, Wis., assignors to Nekoosa-Edwards Paper Company, Port Edwards, Wis., a Corporation of Wisconsin. Filed Sept. 2, 1922. Serial No. 586,037. 7 Claims. (Cl. 92—11.)

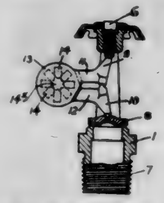
1. The process of making a light colored paper from resinous wood, which comprises treating the wood by the usual sulphate process and then treating the resulting pulp with sulphite acid.

1,560,592. DEVICE FOR TAKING UP SLACK IN ANTI-SKID CHAINS. JOHN A. MCBRADY, St. Paul, Minn. Filed Sept. 10, 1924. Serial No. 736,932. 3 Claims. (Cl. 152—14.)



2. A device for taking up slack in antiskid chains comprising a centrally apertured housing adapted to encircle the hub of an automobile wheel, means for holding the said housing stationary with respect to the wheel hub, a ring loosely connected to one face of the said housing so as to be movable both radially and circumferentially of the wheel hub, and tensionable connecting-devices carried by the said ring for attachment to the anti-skid chain.

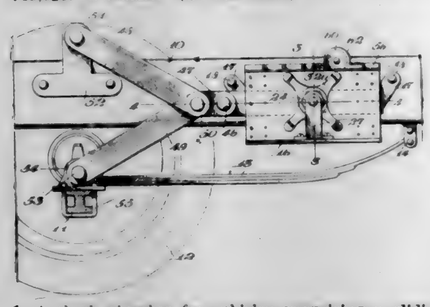
1,560,593. SPRINKLER HEAD. JOSEPH A. MCELROY, New York, N. Y. Filed Feb. 28, 1922. Serial No. 539,821. 7 Claims. (Cl. 169—39.)



1. The herein described tension device for sprinkler heads, the same comprising a pair of levers each having one arm provided with an enlarged portion, each enlarged portion having a plurality of depressions radi-

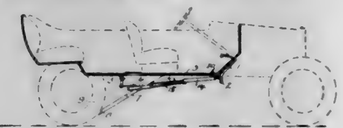
ating from a common center, and a solder fusible at a predetermined temperature, filling said depressions and normally holding said enlarged portions together.

1,560,594. SHOCK ABSORBER. DANIEL FRANCIS MCMAHON, Cicero, Ill. Filed Oct. 24, 1924. Serial No. 745,625. 2 Claims. (Cl. 188—129.)



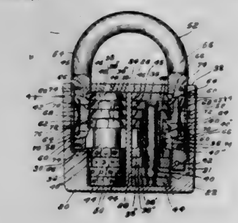
1. A shock absorber for vehicles comprising a sliding plate, friction plates maintained in engagement with the sliding plate to resist movement thereof, a pair of rods adapted to connect the sliding plate with the chassis and an axle of said vehicle, and a roller mounted to engage one edge of the sliding plate.

1,560,595. SANDER FOR AUTOMOBILES. JOSEPH MALANCA, Tacoma, Wash. Filed Oct. 20, 1924. Serial No. 744,660. 2 Claims. (Cl. 291—34.)



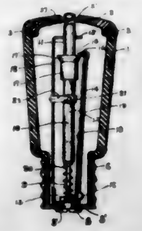
1. In an automobile sander, the combination of a sand box; sand pipes leading therefrom to the automobile wheels; a slide valve interposed between said sand box and said pipes whereby the flow of sand is controlled; a brake applying apparatus including a brake rod; a sleeve mounted on said brake rod and connected to said slide valve; a lug on the brake rod; and a hook on the sleeve and adapted to be brought into releasable engagement with said lug, whereby the sleeve and valve are actuated by the motion of the brake rod when the hook is in such engagement.

1,560,596. LOCK. LEONARDO MARRA, Providence, R. I. Filed Oct. 20, 1924. Serial No. 744,708. 2 Claims. (Cl. 70—113.)



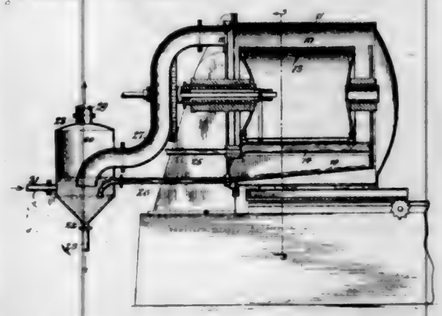
1. A permutation padlock, comprising a lock casing having two compartments, each having a shackle arm receiving aperture and an aperture in the side thereof, a series of rotatable tumbler members contained within each compartment having shaft portions contained respectively within the hollow shaft portions of other tumbler members, enlarged locking portions radially notched grouped on one end of said shafts substantially contiguously to the enlarged locking portions of the other tumbler members and rotating dials therefor having permutation characters thereon grouped on the opposite end of said shafts substantially contiguously to the dials of the other tumbler members, said dials being visible and rotatably operable through the side apertures in the casing to align said radial notches to form channels and a shackle member having two arms, each arm having a notched rack mounted on springs in a channel therein whereby said shackle may be inserted within said lock when the locking portions of said tumbler members are in any position to retain the shackle to the lock and whereby on rotation of said dials to the predetermined setting, the radial notches of each series of tumbler members may be aligned to form a channel to permit withdrawal of said shackle arms.

1,560,597. AUTOMATIC CUT-OUT. ERNEST MEIER-JOHAN, Cincinnati, Ohio. Filed Apr. 18, 1922. Serial No. 555,205. 17 Claims. (Cl. 200—116.)



1. In an automatic cut out, a porcelain housing having a hole through one end, a porcelain cap having a hole therethrough mounted upon the other end, a screw extending therein and having a reduced stem, a fibre pin having a socket adapted to receive said stem and slidably mounted in the hole in said cap, a U-shaped bracket mounted on said screw and insulated therefrom, a holding nut on said screw insulated from said U-shaped bracket, a spring finger forming part of said bracket, and having a lip, a collar fixed on said fibre pin and having a tapered shelf adapted to engage said U-shaped bracket, a tapered conducting collar fixed on said fibre pin, an arm on said bracket and a beveled lug on said arm adapted to engage said tapered collar.

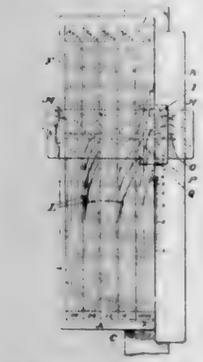
1,560,598. VACUUM DRYING APPARATUS. HENRY D. MILES, Buffalo, N. Y., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y., a Corporation of New York. Filed Dec. 31, 1924. Serial No. 759,203. 5 Claims. (Cl. 159—17.)



1. A vacuum drying apparatus comprising means for desiccating the liquid, means for supplying the liquid to be desiccated, and means for producing a vacuum in the apparatus having a conduit leading from said desiccating means into said liquid supplying means.

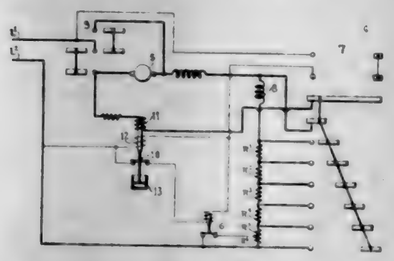


1,560,599. SLIDE RULE. CHARLES C. MOLER, Hagerstown, Md. Filed July 18, 1925. Serial No. 44,599. 3 Claims. (Cl. 235—70.)



2. A slide rule comprising a slide having on one face thereof a scale and on the reverse face a scale a second slide frictionally engaging the first mentioned slide, and having on one face thereof a scale adjacent the first scale on the first mentioned slide, and a second scale on the second mentioned slide adjacent a pointer on a third slide, said second slide frictionally engaging the third mentioned slide, the latter slide having on its reverse face a plurality of scales an indicator embracing the three slides and having a hair line on each face of the rule, and a second indicator slidable on the first indicator, and having a hair line at right angles to the hair line of the first indicator.

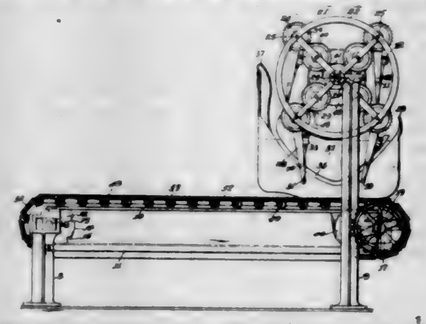
1,560,600. CONTROLLER FOR ELECTRIC MOTORS. NIELS L. MORTENSEN, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 17, 1924. Serial No. 707,031. 5 Claims. (Cl. 172—179.)



2. The combination with an electric motor having accelerating resistance and control means providing for establishment jointly of power and dynamic circuits for the motor, of associated means providing for commutation of said resistance differently with respect to the power and dynamic circuits of the motor, said means including means to include selectable values of said resistance in the field circuit of the motor, and means to limit temporarily the value of such field weakening resistance that may be so included in circuit.

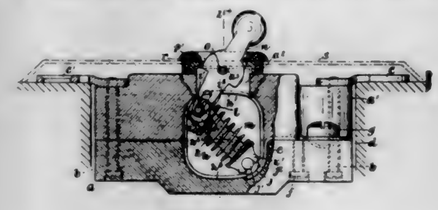
1,560,601. CLAY-PRODUCT-CUTTING MACHINE. MAX MUELLER, St. Louis, Mo. Filed Sept. 27, 1923. Serial No. 665,106. 4 Claims. (Cl. 25—110.)

1. A clay products cutting machine comprising an endless conveying table, a cutting drum provided with a plurality of meshing gears in operative relation with said table, and a means for simultaneously operating



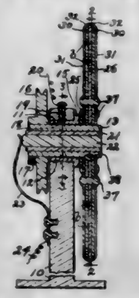
said drum in proper unison with the movement of said table.

1,560,602. CIRCUIT-CONTROLLING MEANS. CHARLES A. NELSON, Brooklyn, N. Y. Original application filed Jan. 27, 1922, Serial No. 532,235. Divided and this application filed June 23, 1924. Serial No. 721,867. 2 Claims. (Cl. 200—67.)



1. A circuit-controlling device comprising, in combination, two coacting members one of which is a circuit-controlling member and one of which has a runway and the other a convex surface in contact with the runway and one of which members is also spring-held against the other and spring-urged lengthwise of the runway, said runway having a concave rise rising suddenly relatively to the remainder of the runway but curved to a greater radius than said convex surface in contact therewith.

1,560,603. ELECTRIC HEATER. FRED G. NIECE, Cleveland, Ohio, assignor to Arthur Morgan Smith, Cleveland Heights Village, Ohio. Filed Oct. 10, 1923. Serial No. 667,599. 8 Claims. (Cl. 219—34.)



7. A rotary electric heater which comprises a tubular shaft adapted to be electrically connected to one terminal of a source of electrical energy and having a slot, means for supporting the shaft, means for rotating the

shaft, an insulating tube arranged internally of and extending endwise of the shaft and having a slot which registers with the slot in the shaft, a current-conducting member surrounded by said insulating tube and adapted to be electrically connected to the other terminal of the aforesaid source of electrical energy, an insulating and heat-transmitting disks extending circumferentially of and rotatable with the shaft, a heat-developing conductor comprising a resistance wire which extends circumferentially of the shaft and is confined by said disks, and an insulating block engaging the aforesaid slot in the shaft, the aforesaid wire being electrically connected at one end portion thereof to the shaft, and the other end portion of said wire extending through said block and into the slot in the aforesaid insulating tube and being electrically connected to the aforesaid current-conducting member surrounded by said tube.

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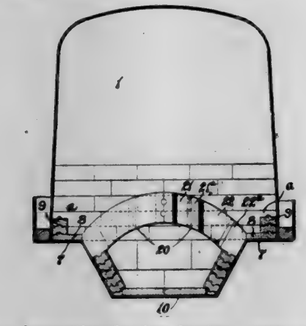
1,560,604. LOCOMOTIVE-FIRE-BOX STRUCTURE. LE GRAND PARISH, Mountain View, N. J., assignor to American Arch Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 14, 1921. Serial No. 452,182. 8 Claims. (Cl. 110—87.)



1. In a locomotive fire box having a pan, a lining for the bottom of the pan, side linings for the pan resting upon and securing the bottom lining, an arch resting upon the side linings, and fire box floor linings positioned by the ends of the arch.

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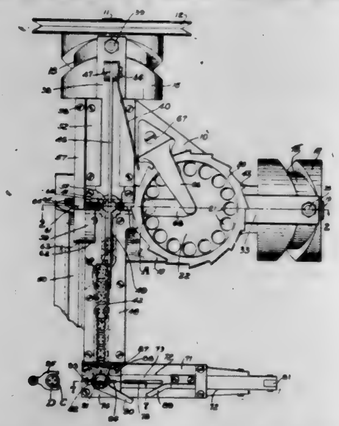
1,560,605. BUTTON-FEEDING MECHANISM. SAMUEL D. POLSEN, Bridgeport, Conn. Filed Mar. 12, 1924. Serial No. 698,694. 17 Claims. (Cl. 112—113.)



17. In a machine for sorting articles each having faces of different configuration, a container for said articles, means for removing the articles one by one from the container either face up, an article sorting station, means for advancing each article removed from the container to said sorting station, means cooperating at the sorting station for carrying articles having corresponding face up in the same direction away from the sorting station and for carrying articles having opposite face up in a direction different from that in which articles having corresponding face up are carried, and means for turning said last mentioned articles over in the machine.

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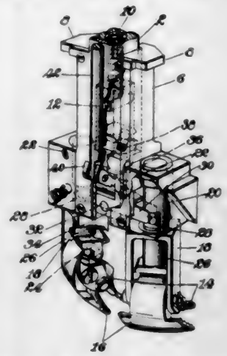
1,560,606. GRIPPER. CHARLES F. PYM, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Aug. 15, 1917, Serial No. 186,314. Divided and this application filed July 25, 1922. Serial No. 577,377. 13 Claims. (Cl. 12—11.1.)



3. A toe gripper having, in combination, a gripper casing, a plurality of pairs of gripper jaws carried by said casing and relatively movable to conform to different shapes of toes, a gripper bar, and means comprising a latch for connecting said gripper bar to the jaws in any position of the jaws to close them and to operate them to pull an upper, said latch being movable after the upper has been pulled to disconnect the bar from the jaws to cause the jaws to release the upper.

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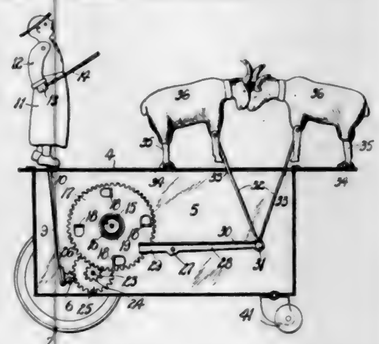
1,560,607. FIGURE WHEELED TOY. ROCCO RICATTI, St. Louis, Mo. Filed Feb. 2, 1925. Serial No. 6,186. 3 Claims. (Cl. 46—45.)



1. A toy comprising a carriage, a spring motor, a train of gears and wheels for driving said carriage, a lever pivoted intermediate its ends carried by said carriage, projections formed on one side of one of said gears and adapted to contact with one end of said lever whereby said lever is intermittently rocked and the opposite end of said lever suddenly raised and lowered, a top for said carriage, a plurality of animals pivotally secured at their hind legs to said top, and a lever mechanism secured to said animals and the pivoted lever for suddenly raising and lowering the fore part of said animals during the operation of said motor.



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1,560,608. ROOF. ROBERT R. RICHARDSON, Glendale, Ohio, assignor to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed Dec. 3, 1924. Serial No. 753,589. 3 Claims. (Cl. 108—9.)

1. A roof formed of composition shingles of substantially uniform thickness laid in courses, said shingles having greater length in one direction than the other, and the courses formed by rows of shingles set lengthwise of the slope of the roof, alternating with rows set crosswise of the slope of the roof, with the lower edges of the rows set lengthwise, co-inciding with the lower edges of the rows set crosswise, and the rows set crosswise overlapping the upper ends of the rows set lengthwise.

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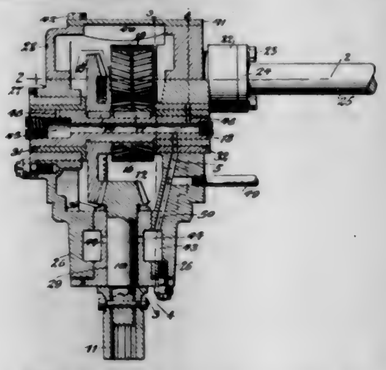
1,560,609. DRIVING MECHANISM. EARL H. SHERBONDY, Cleveland, Ohio, assignor to Charles A. Criqui, Buffalo, N. Y. Filed Feb. 7, 1924. Serial No. 691,084. 2 Claims. (Cl. 74—7.)



1. A driving mechanism comprising a driving shaft, an intermediate counter shaft arranged at right angles to said driving shaft, intermeshing gear wheels mounted respectively on said driving and counter shafts, a plurality of driven shafts arranged parallel with said counter shaft, a driving gear wheel mounted on said counter shaft, driven gear wheels arranged respectively on said driven shafts and meshing with said driving gear wheel, and a housing enclosing said gear wheels and provided with bearings in which said shafts are journaled, and said housing being divided on a plane extending through the axis of said counter shaft.

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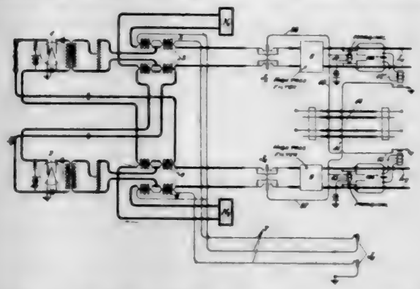
1,560,610. SUPERVISORY CIRCUITS. HUGH F. SHOFFSTALL, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 12, 1921. Serial No. 514,695. 7 Claims. (Cl. 179—171.)

1. The combination with a repeater circuit comprising supervisory windings on the output transformers of the repeater, and monitoring jacks associated with said windings; of a supervisory circuit comprising switching means for connecting said supervisory circuit with said jacks, an operator's talking set, a talking key, and an inequality ratio repeating coil associated with said talking set, said coil being operatively connected with said talking set by the operation of said key.



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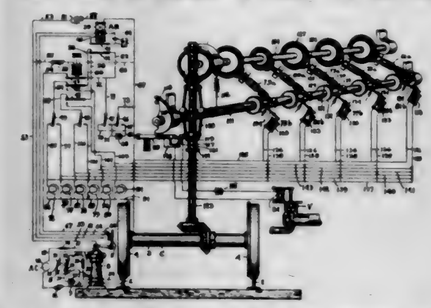
1,560,611. SPEED-CONTROL SYSTEM FOR VEHICLES. PAUL J. SIMMEN, Eden, N. Y. Filed Apr. 21, 1921. Serial No. 463,328. 18 Claims. (Cl. 246—182.)



12. In a system of speed control for vehicles, speed control mechanism including an operating shaft, unit gear connections driven thereby, certain of said gear connections being geared to said shaft at different ratio from the other connections and means responsive to particular circuit conditions in the vehicle for selecting and establishing the operation of a particular gear connection.

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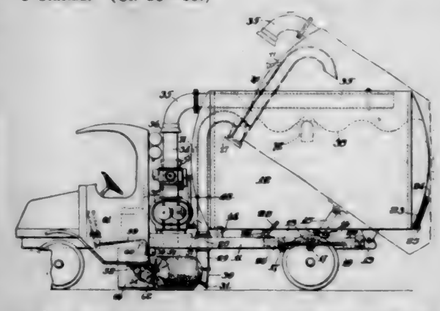
1,560,612. MEANS FOR STREET CLEANING. MIRABEAU SIMS, Philadelphia, Pa., assignor to J. A. Horner, Bath, Pa. Filed Jan. 6, 1920. Serial No. 349,790. 4 Claims. (Cl. 15—19.)



3. In street cleaning apparatus, the combination of a vehicle, a tank supported thereon, a suction nozzle and

means connecting the same with the tank, an exhauster connected with the tank, said exhauster comprising a rotor, an internal combustion engine for driving said rotor, and means for communicating the heat from the engine exhaust to the path of travel from nozzle to tank, as and for the purpose described.

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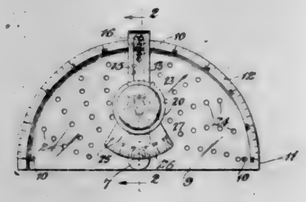
1,560,613. VERNIER DIAL. MARCOS SINGER, Yonkers, N. Y. Filed Dec. 20, 1924. Serial No. 757,110. 6 Claims. (Cl. 74—7.)



3. In a vernier dial, a main dial plate adapted to be fixed to a panel and provided with an off-set flange having calibrations thereon, an arm fixed at one of its ends to a part to be adjusted and having its other end slidably engaged with said flange and provided with an index spur moving over the calibrations thereon, a vernier dial plate adjustable longitudinally along said arm and rotatable with respect thereto, and means for imparting a further adjustment to said arm upon said first named dial in the rotation of said vernier dial plate.

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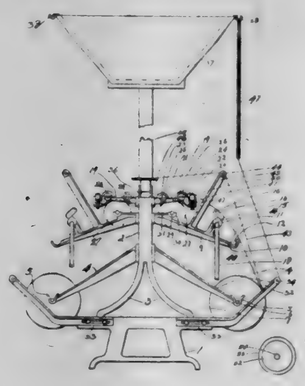
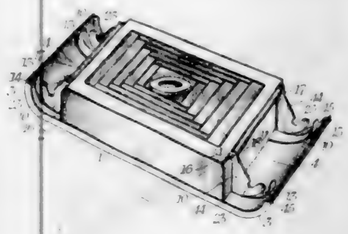
1,560,614. MACHINE AND PROCESS FOR RECLAIMING SILK. CHARLES A. SNYDER, Philadelphia, Pa. Filed July 2, 1923. Serial No. 648,941. 3 Claims. (Cl. 28—17.)



1. A silk reclaiming machine comprising in combination a frame; an unraveling drum; a shaft upon which said drum is mounted; open bearings carried by the frame in which said shaft is journalled; a tray mounted upon the frame; an absorbent strip located in said tray and projected beyond the edge of the same; a steam chest one surface of which is adapted to iron a thread drawn thereover; a winding drum; means to revolve said drum by friction; a guide interposed between the steam chest and said winding drum; a second winding drum; and means for revolving the last named drum by friction.

1,560,615. SPOOL HOLDER FOR CAMERAS. CHARLES F. SPEIDEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 3, 1924. Serial No. 710,860. 6 Claims. (Cl. 242—71.)



1. In a photographic roll holder, the combination with spaced spool supporting members including hooks having slots to receive the ends of a film spool, of spring members adapted to press upon the flanges of a spool to hold the ends of the film spool in the hooks.

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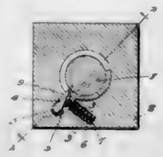
1,560,616. NUT LOCK. ROSWELL G. STALLARD, Centralia, Wash. Filed Mar. 18, 1925. Serial No. 16,490. 1 Claim. (Cl. 151—25.)



In combination with a threaded bolt and a nut thereon having a substantially V-shaped recess in its outer side disposed radially, with its enlarged end in communication with the bolt opening, and having a socket leading from a side of the recess and opening through the outer side of the nut, opposite longitudinal walls of the socket projecting inward to overhang the open side of the socket, of a coiled spring in the said socket, and a dog having its outer end seated against the outer small end of the said recess and pivoted therein, said dog engaging the spring and having its sides forwardly converged and its extremity rearwardly beveled to form a wedge-shaped point having opposite edges to bite into the walls of adjacent threads of the bolt.

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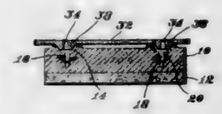
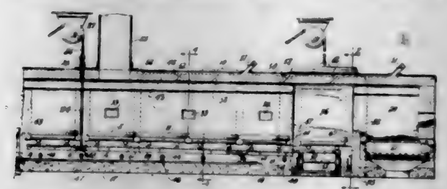
1,560,617. METHOD OF AND MEANS FOR ATTACHING ELASTIC HEELS TO BOOTS OR SHOES. SAMUEL STANICK, Marlboro, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 24, 1921. Serial No. 480,056. 16 Claims. (Cl. 1—36.)



1. A method of attaching elastic heels containing washers, consisting in first forcing the washers into predetermined, fixed, relative positions, and then driving heel attaching fastenings through the holes of the washers thus positioned.



1,560,618. BRICK-TREATING APPARATUS. ENOCH P. STEVENS, Chicago, Ill.; Mary Ann Stevens executrix of said Enoch P. Stevens, deceased. Filed Oct. 26, 1922. Serial No. 596,027. 9 Claims. (Cl. 25—142.)



1. Apparatus of the character described comprising a heating tunnel for loaded cars with means for maintaining a flow of heating medium therethrough; and a discharge and cooling chamber for the cars opening laterally from said tunnel at its hotter end.

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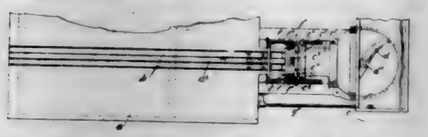
1,560,619. MACHINE FOR CUTTING BUTTER AND THE LIKE. RICHARD F. STEWART, Briarcliff Manor, N. Y. Filed Nov. 4, 1924. Serial No. 747,834. 9 Claims. (Cl. 31—14.)



2. In a machine for cutting material of the nature described, a hopper to receive the material in bulk, a discharge chute leading from the hopper, an arm adapted to move into the mouth of the chute and a revolving paddle to oscillate the arm into and away from the mouth of the chute.

6. In a machine of the character described, devices for discharging, cutting and conveying material in a straight line, including a discharge chute, a vertically reciprocating cutter mounted in proximity to the chute, conveyor means onto which the material is discharged for cutting and means engaged by the discharged material to initiate operation of the cutting and conveying devices.

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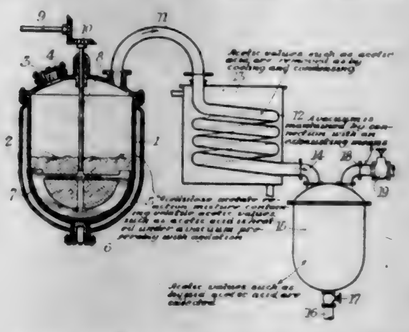
1,560,620. PROCESS OF MANUFACTURING CELLULOSE ACETATE. ALBERT F. SULZER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 28, 1925. Serial No. 5,396. 6 Claims. (Cl. 260—102.)



1. In the process of manufacturing cellulose acetate, the steps of heating, under a vacuum, a cellulose acetate reaction mixture containing volatile acetic values to evolve vapors of said values at a temperature below the one at which the cellulose acetate is degraded, and removing and liquefying said vapors.

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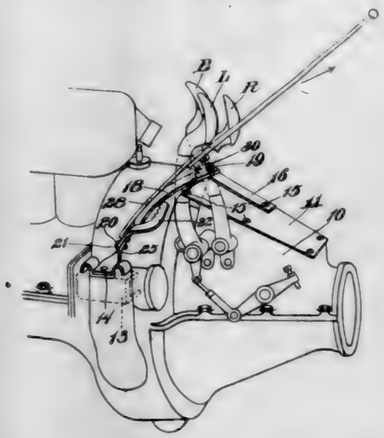
1,560,621. TRANSMISSION-PEDAL CONTROL. JOHN J. SWANSON, Elgin, Nebr. Filed July 30, 1925. Serial No. 47,059. 5 Claims. (Cl. 74—81.)



1. In combination with a transmission including a pedal oscillatable in a vertical plane, the oscillation of the pedal to one extreme of its movement being variable, a spring tending to return the pedal from the last named position, a latch pivotally supported from the transmission housing to swing in a horizontal plane, said latch having a pedal engaging face provided with notches for the reception of the pedal, said pedal engaging face being spirally disposed to the pivot of the latch, means likewise supported from the transmission casing oscillatable in a substantially vertical plane at right angles to the plane of movement of the pedal for shifting said latch into pedal engaging position and a spring operatively engaged with the latch for moving the latch to position where the pedal is released.

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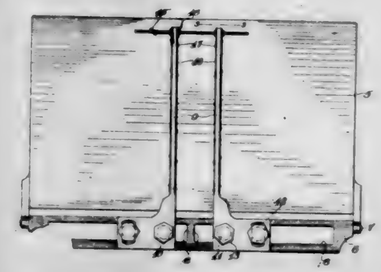
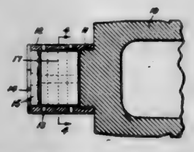
1,560,622. PERFORATING AND SCORING ATTACHMENT FOR PRINTING PRESSES. MORRIS TEPPER, Chicago, Ill. Filed Dec. 11, 1924. Serial No. 755,271. 6 Claims. (Cl. 164—98.)



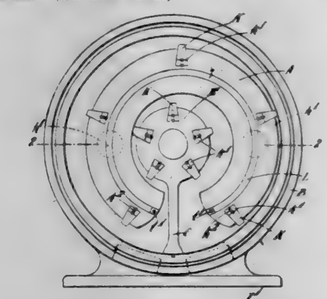
1. A scoring and perforating appliance for platen presses comprising a bar carried by the gripper carriage, and a scoring or perforating blade attachable to either side of such bar.

1,560,623. CARTRIDGE FOR PROJECTILES. HAROLD G. TOWNER, New Haven, Conn. Filed June 30, 1924. Serial No. 723,291. 4 Claims. (Cl. 102—12.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



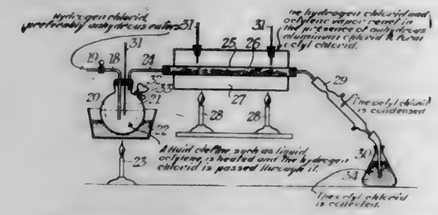
1. A cartridge for projectiles including a perforated shell and a plurality of powder rings within the shell.

1,560,624. PUMP, ENGINE, AND THE LIKE. CROMWELL HAMFORD VARLEY, Chilworth Hill, near Guildford, England. Filed Nov. 6, 1923. Serial No. 673,071. 9 Claims. (Cl. 103—131.)



1. An engine or pump of the kind set forth comprising a displacer, means for imparting a paracyclic movement to said displacer, a hollow casing surrounding said displacer and forming a working face for the exterior face thereof, a central web on said casing which constitutes a working face for the rear side of said displacer, and a cover plate detachably connected to the casing which forms a working face for the front of said displacer.

1,560,625. PROCESS OF MAKING ALKYL CHLORIDES. WILLIAM R. WEBB, Rochester, N. Y., assignor, by mesne assignments, to Carbide & Carbon Chemicals Corporation, a Corporation of New York. Filed July 18, 1924. Serial No. 726,861. 10 Claims. (Cl. 260—166.)

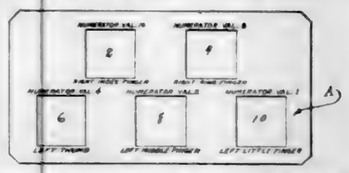



1. The process which comprises the step of reacting upon an olefin with hydrogen chloride in the presence of aluminum chloride until an alkyl chloride is produced.

1,560,626. PROCESS FOR THE MANUFACTURE OF HIGH-PERCENTAGE, NONDECOMPOSABLE, DURABLE SOAP. ADOLF WELTER, Krefeld-Pzeinhafen, Germany. Filed Jan. 8, 1923. Serial No. 611,500. 3 Claims. (Cl. 87—5.)

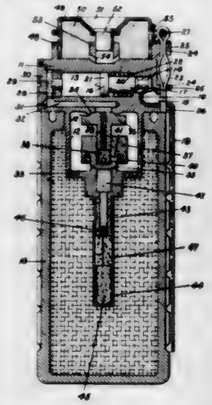
1. A process for the manufacture without the addition of water of non-decomposable soap of high fatty acid content, by mixing at the temperature of the approximate melting point of the fatty acids, a measured quantity of water free alkaline carbonate with commercial fatty acids, said measured quantity being approximately double the quantity required for the complete saponification of said fatty acid, and said excess of alkaline carbonate being approximately the quantity necessary for the absorption by said excess of all the carbon dioxide resulting from said saponification whereby a soap is formed containing a substantial excess of the bicarbonate of said alkali and approximately no stronger alkaline impurities than said bicarbonate of soda.

1,560,627. PRIMARY CLASSIFICATION PLATE. MARCEL J. WIABT, Ogden, Utah. Filed Mar. 30, 1923. Serial No. 628,932. 2 Claims. (Cl. 35—12.)



1. A finger print apparatus comprising a card having finger print impressions thereon and arranged in horizontal rows and a plate adapted to be positioned upon the card and having openings adapted to be moved into register with the finger print impressions upon the card.

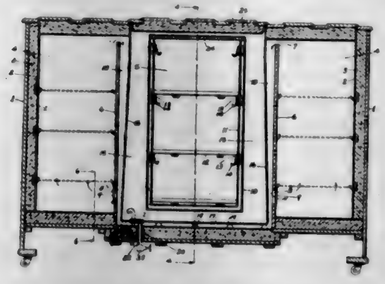
1,560,628. GRENADE. SAMUEL WILEY, Metuchen, N. J. Filed July 21, 1924. Serial No. 727,332. 15 Claims. (Cl. 102—29.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A combination hand and rifle grenade including a body, a bouchon for closing said body, a striker in the bouchon, a lever for holding the strike in cocked position, a pin for locking said lever, a breech cap carried by the bouchon, a propellant powder within the cap and a bracket secured to the cap for receiving the locking pin whereby the same is extracted from the lever when the propellent charge is exploded.

1,560,629. REFRIGERATOR. WILLIAM P. WILLSON, Arlington, Vt., assignor to William E. Kidder, Kalamazoo, Mich. Filed Aug. 20, 1923. Serial No. 658,474. 2 Claims. (Cl. 62—68.)

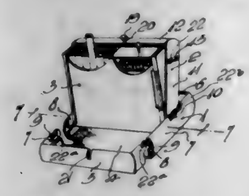
2. A refrigerator comprising a casing, a provision chamber at each end of said casing, a refrigerating chamber disposed centrally within said casing, and a U-shaped refrigerant chamber comprising side and bottom walls disposed in spaced relation to the side and bottom walls of said refrigerating chamber, said provision chambers each being provided with an inner wall disposed



in spaced relation to the side walls of said refrigerant chamber providing unobstructed air passages, there being circulating openings in the top and bottom of said provision chamber inner walls, such inner walls being otherwise imperforate.



1,560,630. COLLAPSIBLE CASE. ARTHUR H. WOLFE, Philadelphia, Pa., assignor of one-half to Durward A. Wolfe, Grand Rapids, Mich. Filed Oct. 16, 1924. Serial No. 744,011. 3 Claims. (Cl. 206—38.)



1. A device of the class described comprising a casing having an open upper side, said casing being provided with tracks throughout the length of two of its opposed side walls, a sheath within the casing having an open side normally disposed downwardly, said sheath having shoes engaging the aforesaid tracks and mounting the sheath pivotally and slidably in the casing, so that it may be moved out of said casing, inverted and reinserted into the casing in an inverted condition, a member movably mounted in said sheath, and means for projecting said movable member from the open side of said sheath when the latter is inverted and reinserted into the casing.

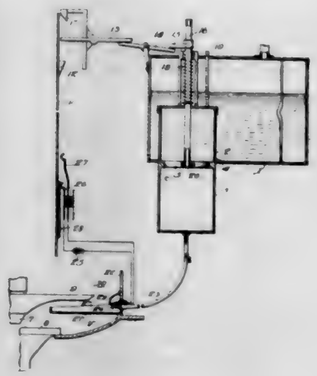
1,560,631. MOCCASIN. DONALD B. ABBOTT, Yarmouth, Me. Substitute for application Serial No. 686,286, filed Jan. 15, 1924. This application filed June 17, 1925. Serial No. 37,873. 4 Claims. (Cl. 36—47.)

1. A moccasin, the vamp portion of which on its under side has a curved seam extending longitudinally of the vamp from its rear edge toward the ball portion of the vamp and another curved seam in front of that first mentioned which extends crosswise of the vamp.

1,560,632. MOCCASIN. DONALD B. ABBOTT, Yarmouth, Me. Substitute in part for abandoned application Serial No. 686,286, filed Jan. 15, 1924. This application filed June 17, 1925. Serial No. 37,874. 4 Claims. (Cl. 36—47.)

1. A moccasin vamp having in its underside a seam of general L-shape extending from the rear edge of the vamp to a point near the ball portion of the vamp.

1,560,633. IGNITING DEVICE FOR FURNACES. ADOLPHUS M. ALLEN, Minneapolis, Minn. Filed Oct. 8, 1921. Serial No. 506,437. 3 Claims. (Cl. 175—115.)



1. An igniter for a furnace comprising a supply receptacle for readily inflammable liquid fuel, a metering chamber in constant communication therewith through a relatively small orifice, a receiving chamber below the metering chamber with a relatively large orifice affording communication between said chambers, and a valve controlling it, an open trough or pan in the furnace connected with the receiving chamber and electrical igniting means associated with the pan, together with means for simultaneously energizing the electrical igniter and opening the valve for releasing a charge of liquid fuel from the metering chamber.

1,560,634. STITCHED BUTTONHOLE. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Dec. 15, 1923. Serial No. 680,832. 8 Claims. (Cl. 112—264.)

1. A stitched buttonhole comprising a fabric having an overseam including upper thread means formed into four laterally spaced rows of loops passing through to the under face of the fabric, and a pair of under threads

extending along the margins of the overseam and formed into loops each of which passes through a loop of upper

thread in each of the two adjacent rows and embraces a loop of upper thread in each of the two remote rows.

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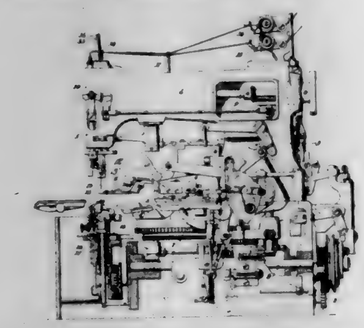
1,560,635. BUTTONHOLE-SEWING MACHINE. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Dec. 15, 1923. Serial No. 680,833. 6 Claims. (Cl. 112—157.)



1. Overseaming stitch-forming mechanism for sewing machines comprising, in combination, upper-thread mechanism having a plurality of jogging needles fixed relatively to one another, and under-thread mechanism comprising a pair of threaded loopers each of which seizes thread-loops from both of said needles.

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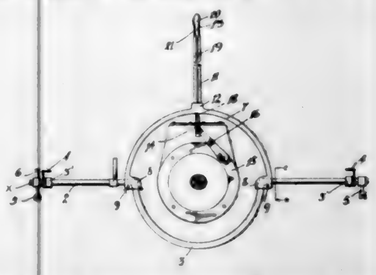
1,560,636. CENTER EMERGENCY BRAKE AND CONTROL LEVER FOR MOTOR VEHICLES. GROVER CLEAVLAND ALLEN, Joplin, Mo., assignor of one-fourth to Menzo Platner and one-fourth to Russell L. Rice, both of Joplin, Mo. Filed Sept. 29, 1924. Serial No. 740,633. 2 Claims. (Cl. 74—39.)

1. The combination with a motor vehicle having an emergency brake shaft, said emergency brake shaft having a portion intermediate its length formed substantially semi-annular and having substantially straight aligned portions at the opposite end, of a semi-annular member, sockets at each end of said semi-annular member arranged each to receive portions of said brake shaft including a portion of the semi-annular part and a portion of the straight part of the brake shaft, bolts projected through said sockets beyond that portion of the sockets occupied by the brake shaft, and a hand lever



carried by said semi-annular member whereby actuation of the hand lever may cause positive movement of the brake shaft.

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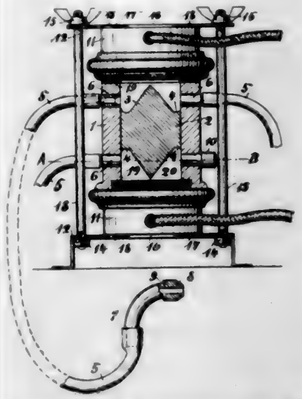
1,560,637. SOUND DISTRIBUTOR. CARL ANDERSEN and AAGE CHRISTIAN SYLVEST, Copenhagen, Denmark. Filed Aug. 13, 1924. Serial No. 731,824. 3 Claims. (Cl. 179—146.)



1. In an apparatus for reinforcing and distributing the sound from two telephones each having a diaphragm, a distributing cone facing each diaphragm, a hollow body in which said cone is arranged and fixed in front of the diaphragm of each telephone.

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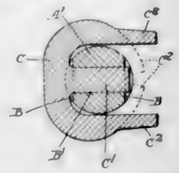
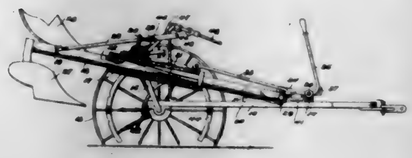
1,560,638. COMBINED COTTER PIN AND WASHER. MILES S. ANDERSON, Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 9, 1924. Serial No. 731,238. 5 Claims. (Cl. 74—8.)



4. A unit washer and cotter pin comprising a washer body, a pin projecting from said body, flexible, relatively non-resilient securing arms terminating the opposite ends of said washer body and adapted to be bent inwardly toward the outer end of the pin, said arms being substantially longer than said pin.



1,560,639. REVERSIBLE WHEELED PLOW. MARTIN L. ANDREWS, Millerton, Pa., assignor of one-half to Luell J. Roberts, Sabinsville, Pa. Filed July 1, 1920. Serial No. 393,247. 8 Claims. (Cl. 97—26.)



1. In a plow of the class described, a wheeled frame, a rotatable and vertically movable plow beam, right and left hand plows secured to said beam, and connections including a sleeve through which the beam extends with a sliding fit, between said beam and frame, whereby the beam may be rotated as it moves downwardly to bring either plow into operative position.

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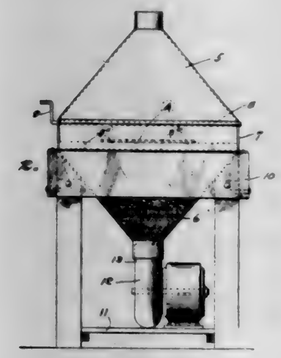
1,560,640. COOLING MACHINE. ALBERT H. ANTZ, San Francisco, Calif., assignor to Sierra Art & Engraving Co., San Francisco, Calif., a Corporation of California. Filed Nov. 13, 1924. Serial No. 749,719. 2 Claims. (Cl. 62—11.)



2. In a cooling machine, a chamber whose internal diameter respectively reduces in two directions from its center, means for supporting a plate in said chamber at the large part thereof, and means for causing an induced air current to flow through said chamber and to be brought into impingement first against one side of the supported plate and then against the other side thereof.

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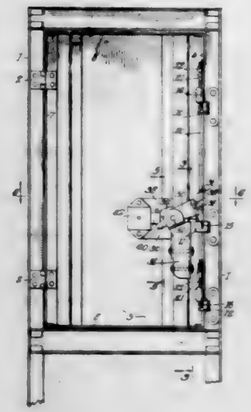
1,560,641. DOOR-LOCKING MECHANISM. JAMES E. BALES, Aurora, Ill., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill., a Corporation of Illinois. Filed June 25, 1921. Serial No. 480,282. 14 Claims. (Cl. 70—29.)

1. Door locking mechanism having a latch for locking the door, a handle on the front of the door for lifting the latch, a spring urged bolt for locking the latch in acting position, key-operated means accessible by key from the front of the door for retracting the bolt, means for preventing the bolt from locking prematurely including a dog for holding the bolt retracted, and means operated by the door frame as the door is closing for moving the dog to release the bolt.



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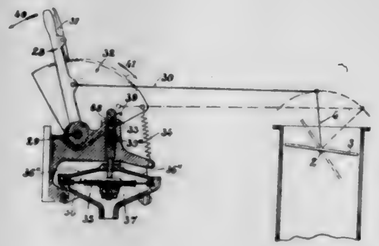
1,560,642. CONTROL OF CARBURETORS. MARIUS JEAN-BAPTISTE BARBAROU, Paris, France. Original application filed Feb. 23, 1924, Serial No. 694,805. Divided and this application filed June 10, 1925. Serial No. 36,237. 1 Claim. (Cl. 123—75.)



A control gear for the carburetor of an internal combustion engine comprising in combination a control member operated by the operator and operatively connected to the carburetor throttle, a pivoting sector, means for removably locking said control member in position upon said sector, an elastic membrane subjected on one face to a predetermined constant pressure and on the other face to the surrounding atmospheric pressure, means for operatively connecting said sector to said elastic membrane and yielding means for constantly urging said sector towards its position corresponding to the highest atmospheric pressure.

1,560,643. MICROPHONE BUTTON. WALTER H. BARBER, Melrose, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed Dec. 15, 1921. Serial No. 522,500. 5 Claims. (Cl. 179—122.)

1. A microphone button comprising two electrodes, granular carbon located between said electrodes, and an unstretched rubber diaphragm, one of said electrodes being clamped to said diaphragm.

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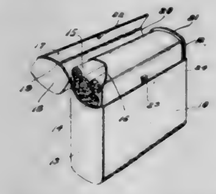
1,560,644. CIGARETTE CASING. ELI J. BEAUPRE, North Attleboro, Mass. Filed Dec. 5, 1923. Serial No. 678,608. 3 Claims. (Cl. 206—41.)



1. A sheet metal casing for cigarettes comprising a body member of a strip of sheet metal folded into U-shape in cross section forming front, bottom and back walls substantially the length of a cigarette, walls at the end of said body, and a cover hinged to said body and having a portion of one of the end walls attached thereto to expose the end of a cigarette when open.

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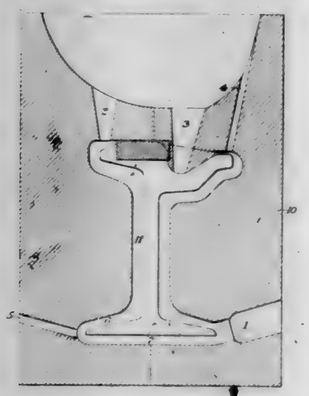
1,560,645. MOLD FOR THERMITE WELDING AND THE LIKE. EDWARD F. BEGTRUP, Jersey City, N. J., assignor to Metal & Thermit Corporation, Chrome, N. J., a Corporation of New Jersey. Filed Nov. 2, 1923. Serial No. 672,316. 3 Claims. (Cl. 22—204.)



2. A mold for welding irregular sections, involving a pocket or recess in the mold cavity, said mold having a heating gate, connecting with the interior at the bottom thereof, and a vent opening connecting the pocket or recess with the exterior of the mold.

1,560,646. POWER-TRANSMITTING CHAIN. WARREN J. BELCHER, Hartford, Conn., assignor to The Whitney Mfg. Co., Hartford, Conn., a Corporation of Connecticut. Filed June 14, 1923. Serial No. 645,224. 5 Claims. (Cl. 74—32.)

1. In a chain, in combination, a longitudinally slotted, hollow pivot of more than semi-circular extent, two series of toothed links pivoted thereon with links in each series the reverse of other links in the same series, and means whereby the slot is maintained facing transversely to the line of pull.

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1,560,647. POWER-TRANSMITTING CHAIN. WARREN J. BELCHER, Hartford, Conn., assignor to The Whitney Mfg. Company, Hartford, Conn., a Corporation of Connecticut. Continuation of application Serial No. 563,532, filed May 25, 1922. This application filed May 15, 1925. Serial No. 30,640. 20 Claims. (Cl. 74—32.)

1. A chain link containing an interrupted circular slot and a sprocket-engaging tooth, the interruption facing toward said tooth.

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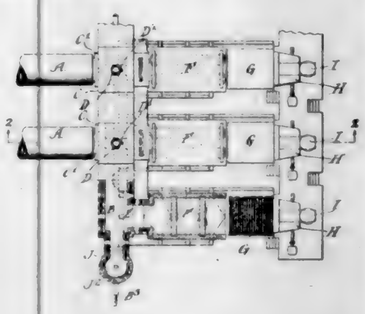
1,560,648. WASTE-HEAT PLANT AND METHOD OF OPERATING THE SAME. JOHN E. BELL, Brooklyn, N. Y. Filed Dec. 23, 1922. Serial No. 608,680. 8 Claims. (Cl. 122—7.)



5. In a plant comprising one or more industrial furnaces each having a housing chamber into which the gases from the furnaces pass, a common flue for receiving the gases from said chambers and a plurality of waste heat boilers connected to said flue, and having draft fans for maintaining a proper draft, the combination therewith of a draft stack connected to the common flue of a height adapted to maintain a suction in the flue and furnaces equal to that normally existing therein and a capacity which will enable it to carry off excess gases in the flue when one or more but not all of the boilers and fans are not in use and a series of stacks connected one to each housing chamber through which the gases from the connected furnaces can be diverted at will.



1,560,649. PROCESS OF RECOVERING SODIUM-ACID SULPHITE FROM THE WASTE LIQUORS OF THE SODIUM-ACID-SULPHITE PULP PROCESS. JAMES BEVERIDGE, Richmond, Va., assignor to James Brookes Beveridge, Richmond, Va. Filed Dec. 12, 1924. Serial No. 755,435. 6 Claims. (Cl. 23—46.)

2. The process of treating the waste liquors from the sodium acid sulphite wood pulp process, which comprises the draining of the waste liquor from the pulp, neutralizing a portion thereof by the addition of a suitable alkali thereto, evaporating the solution thus formed, mixing a portion of unneutralized waste liquor with the concentrated product produced by evaporation, carbonizing the solution thus formed, leaching the carbonized product to remove the soluble contents thereof, and thereafter treating the solution thus produced to effect the formation of sodium acid sulphite.

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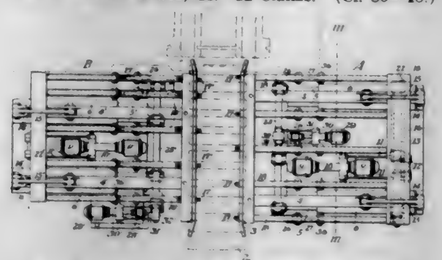
1,560,650. MANIPULATOR. FLORENCE C. BIGGERT, JR., Crafton, and LANE JOHNSON, Ingram, Pa., assignors to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 24, 1923. Serial No. 641,148. 12 Claims. (Cl. 80—48.)



1. In a manipulator, in combination with ingot feeding means, means movable transversely of and above said feeding means for engaging the ingots and shifting the same laterally on said feeding means, supporting means for said ingot engaging means supported wholly outside the area beneath said feeding means and at approximately the level of the latter and independently thereof and for straight-line movement, means for actuating said supporting means, and ingot turning means mounted for movement for independently of said first mentioned means in one direction, substantially as described.

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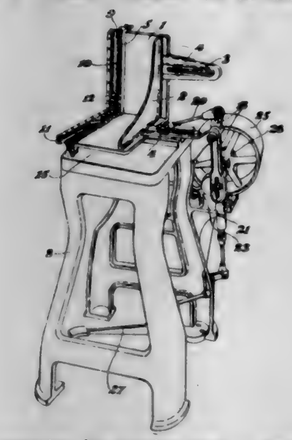
1,560,651. APPARATUS FOR USE IN COVERING CARDBOARD AND LIKE BOXES. EDWIN LESLIE BISHOP, Birmingham, England. Filed Oct. 3, 1924. Serial No. 741,489. 7 Claims. (Cl. 93—54.)



1. In apparatus for covering boxes, a box carrier, a relatively fixed wiper element, a finger carrier, fingers carried by said finger carrier, means to move said finger carrier toward and from the box carrier longitudinally with respect thereto so that the fingers pass over the wiper element and partly over the box carrier, and means to impart relative reciprocating lateral movement to the said carriers to cause the fingers to move to and from the sides of the box carrier.

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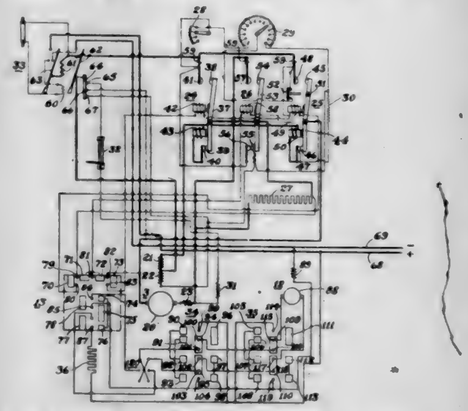
1,560,652. CONTROL SYSTEM. HAROLD L. BLOOD, North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed May 24, 1923. Serial No. 641,164. 21 Claims. (Cl. 172—240.)



1. In a control system for a machine tool, the combination with a reciprocating member and a feed motor for feeding and traversing the tool on the machine, of means for operating said motor to effect traversing operation of the tool on the machine in either direction, means for operating the motor as a torque motor during the feeding movements of the tool in accordance with the operation of said reciprocating member, and means for stopping the motor mechanically before the end of each stroke of the reciprocating member.

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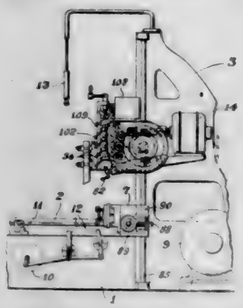
1,560,653. MACHINE TOOL. HAROLD L. BLOOD, North Plainfield, and ROSWELL H. RAUSCH, CHARLES W. JENSEN, and HARRY LITTLE, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed July 9, 1923. Serial No. 650,421. 54 Claims. (Cl. 90—49.)



50. A tool operating mechanism for planers or the like comprising in combination, a pair of uprights, a cross rail thereon, an electric motor, means for moving the rail on the uprights from the motor, means for clamping the rail to the uprights, a tool support, means including clutch means for feeding and traversing the support from the motor, a switch for controlling the continuous opera-

tion of the motor for moving the rail and traversing the tool support, means preventing such operation of the switch when the motor is connected to the tool support for feeding, and means operative to disconnect the feeding connection to the motor and to render the switch so operative when either unclamping the rail from the uprights or engaging the clutch means for traversing the tool support.

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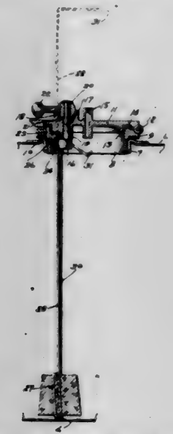
1,560,654. CLOSURE CAP AND LOCK FOR FILLER NECKS AND THE LIKE. MARTIN H. BREDE, Minneapolis, Minn. Filed June 28, 1923. Serial No. 648,259. 1 Claim. (Cl. 220—55.)



The combination with a filler cap having a sleeve-like body, and a cover hinged to said body, of a clamp-acting latch for holding the cover closed including a fixed internal latch member on said body, a shaft, said cover having a bore extending therethrough and in which the shaft is turnably mounted, the outer end of said bore being expanded to form a spherical seat in the top of the cover, said shaft having on its outer end a handle-equipped spherical head mounted in said seat, and an eccentric latch member on the inner end of the shaft arranged to be moved into and out of engagement with the fixed latch member by the turning movement of the shaft, one of said latch members being provided with a cam-acting surface.

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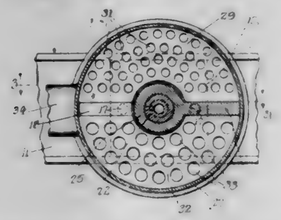
1,560,655. SHOCK ABSORBER. HERBERT M. BREWSTER, Chicago, Ill. Filed May 4, 1925. Serial No. 27,625. 6 Claims. (Cl. 267—8.)



1. A shock-absorber comprising in combination, an apertured block designed for application to the frame of a vehicle, a disc apertured in register therewith, a dowel-pin connection means between said disc and block to prevent turning of the disc relative to the block, an abutment rigid with and outstanding from said disc, a bolt holding said disc to said block, a shell member having a hub oscillatory on that part of the bolt outwardly beyond said disc, an abutment on and movable with said shell member, resilient cushions between opposite faces of said shell abutment and said disc abutment, said cushions being of different compressive capacities, and means to connect said shell member to an axle of the vehicle to turn such member when said frame and axle change relative positions.

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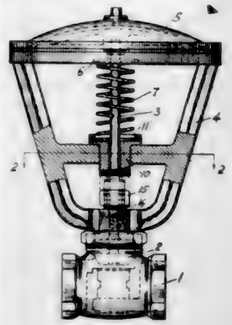
1,560,656. DIAPHRAGM VALVE. ROY W. BROWN, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 22, 1923. Serial No. 664,275. 1 Claim. (Cl. 137—139.)



A diaphragm valve construction comprising a valve casing, a diaphragm, a supporting spider for the diaphragm, a cross-bar on the spider intermediate said casing, and said diaphragm, said cross-bar having an aperture therein, a valve stem extending through the spider and said aperture, a spring surrounding the valve stem between said diaphragm and said cross-bar, a plug threaded in said aperture forming a seat for said spring and adapted to adjust the same, said cross-bar being split into said aperture to provide a clamp for securing said plug in an adjusted position.

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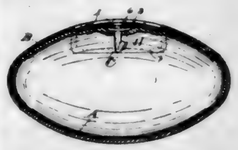
1,560,657. FOOTBALL. FRANK A. BUECHNER, Battle Creek, Mich. Filed July 11, 1925. Serial No. 42,966. 7 Claims. (Cl. 273—65.)



1. In an article of the class set forth, the combination with a casing having an opening capable of closure along contiguous edges, an inner closure flap attached to said casing adapted to cover said contiguous edges, an inflatable ball adapted to be received in said casing, said closure flap having a valve-stem hole with marginal slits, said ball having an internally-extending valve stem with an outer-extending neck portion having an end rim, said neck and rim adapted to pass through said valve-stem hole and marginal slits, with said end rim seating on said closure flap, and said casing adapted to be closed over said valve neck rim.

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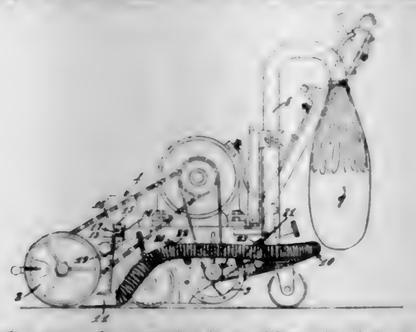
1,560,658. ATTACHMENT FOR FLOOR SURFACERS. WILLIAM S. BULL, Greentown, Ind. Filed Mar. 26, 1924. Serial No. 702,079. 3 Claims. (Cl. 51—176.)

1. The combination with a floor surfacing machine having a fan housing and an edge sanding roll; of a flexible pipe having a dust pan at one end to be positioned adjacent said roll, the other end of said pipe being detachably engaged with the fan housing, said pipe





having means for mounting it on either side of the machine to adapt it for connection with either end of the roller when at either end of the main drum.

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1,560,659. CLEANSING AND POLISHING COMPOUND. ETTA M. BURKET, Bangor, Me. Filed Mar. 7, 1925. Serial No. 13,913. 1 Claim. (Cl. 51—280.)

A cleansing and polishing compound comprising rouge, precipitated chalk, floated pumice, water, and whiting in the proportions specified.

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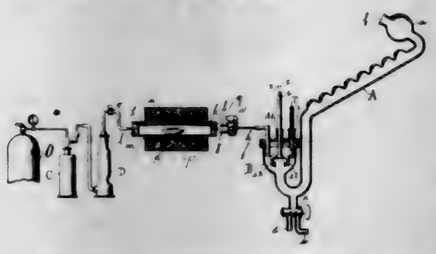
1,560,660. GAS ANALYZING METHOD AND APPARATUS. JOHN R. CAIN, Washington, D. C., dedicated to the People of the United States of America. Filed June 3, 1919. Serial No. 301,484. Renewed Apr. 1, 1925. 26 Claims. (Cl. 23—232.)



1. The method of determining the quantity of a material in a mixture which consists in determining the resistance of an electrolyte adapted to react with said material to produce a precipitate, introducing said mixture into the electrolyte and effecting a change in resistance thereof by reaction therewith, and determining the quantity of said material by said change in resistance.

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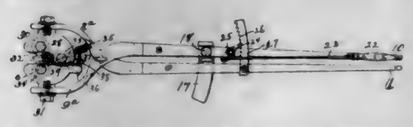
1,560,661. PUMP-ROD AND CASING HANDLING DEVICE. FRANK WILLIAM CARLSON, Oilfields, Calif. Filed June 8, 1925. Serial No. 35,815. 8 Claims. (Cl. 294—102.)



1. A device of the character described comprising a pair of members and means for moving them toward and from each other and a plurality of rollers mounted for rotation with respect to said members and mounted upon axes which are inclined with respect to each other.

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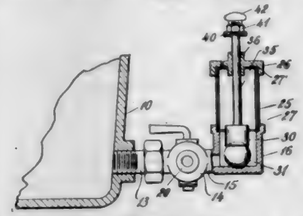
1,560,662. VISCOMETER. RICHARD G. CASEY, Melbourne, Victoria, Australia, assignor to Anthony G. M. Mitchell, Melbourne, Australia. Filed Nov. 13, 1923. Serial No. 674,438. 19 Claims. (Cl. 265—11.)



1. A device for testing the viscosity of liquids comprising a closed transparent receptacle, a conduit for conducting liquid thereto and a pair of separable elements in said receptacle having interfitting surfaces adapted to receive between them a film of liquid to be tested, and means extending through and to a position outside said receptacle for lifting one of said elements.

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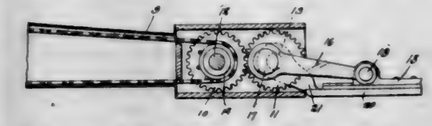
1,560,663. MOWING MACHINE. WILLIAM CASTANIE, Port Arthur, Tex. Filed Dec. 10, 1921. Serial No. 521,511. 1 Claim. (Cl. 56—264.)



In a device of the character described, a gear housing, a shaft extending through the gear housing, a gear mounted on the shaft, a sprocket on the shaft to move therewith, a shaft extending from one wall of the housing, a gear on the last mentioned shaft and meshing with the gear of the first mentioned shaft, a guard bar mounted to swing on the last mentioned shaft, a movable cutting member operating over the guard bar, a pin eccentrically mounted on the last mentioned gear, an operating rod connecting the pin and movable cutting member to transmit movement thereto, and a chain operating over the sprocket to transmit rotary movement to the gears and movable cutting member.

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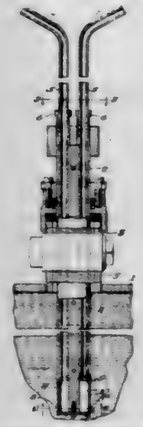
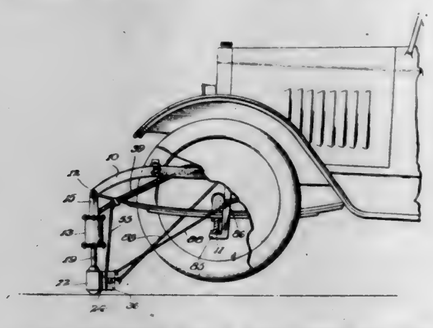
1,560,664. ROD METER. JOHN A. COLE, Chicago, Ill. Filed Dec. 20, 1923. Serial No. 681,898. 4 Claims. (Cl. 73—167.)



1. A rod meter having a sheath having its lower portion provided with up and down stream orifices, a parti-

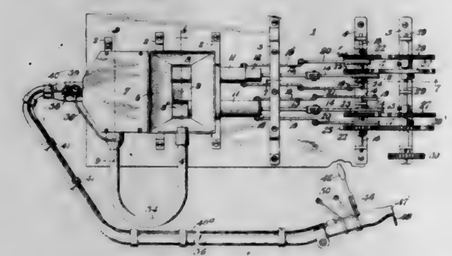
tion in the lower portion of said sheath dividing said lower portion into separate chambers communicating with said orifices, tubes insertable into said sheath, and stop devices for preventing the downward movement of said tubes below predetermined points.

1,560,665. AUXILIARY TURNING DEVICE FOR MOTOR VEHICLES. HAROLD H. COLLINS, Cincinnati, Ohio. Filed June 20, 1923. Serial No. 646,709. 5 Claims. (Cl. 180—1.)



1. The combination with a motor vehicle, of a traction unit pivotally connected with the forward end portion of the vehicle frame to swing downwardly to vertical position therebeneath and including traction wheels, means for shifting said wheels into engagement with the ground and elevating the forward end portion of the vehicle, means for turning said wheels, and means associated with the traction unit and movable to extend between the frame and the front axle of the vehicle rigidly coupling the frame therewith.

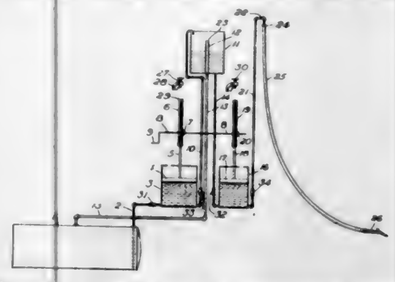
1,560,666. PLASTERING MACHINE. GEORGE J. CONRAD, Baltimore, Md. Filed May 11, 1925. Serial No. 29,595. 3 Claims. (Cl. 72—130.)



1. In a plastering machine, the combination of a hopper, a sealed chamber, a valved passage to permit plastic material to pass from the hopper to the sealed chamber and to prevent return of the plastic material from the sealed chamber, means to confine a quantity of plastic material in said passage, and means to push the thus confined plastic material from said passage into said sealed chamber, said sealed chamber having an outlet, and a feeding tube for receiving the plastic material from said outlet and conveying it to a point of delivery or application of the plastic material.

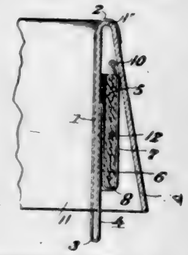
1,560,667. APPARATUS FOR MEASURING AND DISPENSING LIQUIDS. RAYMOND CROWDER, Raleigh, N. C. Filed July 31, 1923. Serial No. 654,927. 5 Claims. (Cl. 221—99.)

1. In a liquid measuring and dispensing apparatus the combination of a liquid supply: a measuring tank provided with an overflow pipe; a pump of a capacity sufficient to fill said tank until it overflows through said pipe; a drain pipe leading from said overflow pipe back to



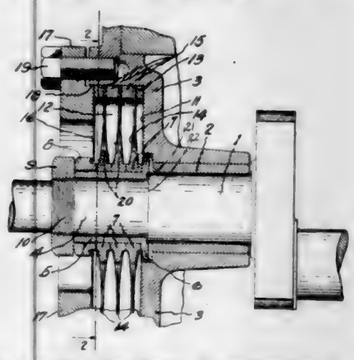
said supply; a second pump of a predetermined capacity; a pipe leading from said measuring tank to said second pump; and a pipe leading from said last named pump to the point of delivery.

1,560,668. RETAINER. ELDAD S. DELAMAR, Durham, N. C. Substitute for application Serial No. 89,976, filed Apr. 18, 1916. This application filed June 18, 1924. Serial No. 720,874. 5 Claims. (Cl. 2—156.)



1. A necktie retainer to be fitted to a collar to hold a necktie in place thereon during the knotting of the same and to be subsequently removed which retainer has a portion arranged to be received over the upper edge of the collar to aid in the holding action.

1,560,669. PACKING FOR SHAFTS. JAMES H. DENNEDY, Detroit, Mich. Filed Aug. 29, 1921. Serial No. 496,289. 7 Claims. (Cl. 286—11.)



1. In a packing for shafts, in combination, a casing having a recess, a shaft extending through the said recess, a series of centrally apertured spring metal discs arranged in pairs and fitting within the said recess, a series of metal rings fitting within the recess and spacing

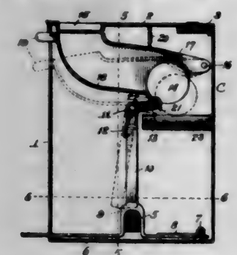


the pairs of discs at the periphery, a clamp member having an annular shoulder adapted to fit in the recess, means for drawing the shoulder into the recess to bind the rings and discs between the shoulder and bottom of the recess, a sleeve secured to the shaft within the recess and having an annular shoulder, a series of annular rib members seating on the said sleeve extending between and spreading each pair of discs at the center, a nut threaded on the sleeve adapted to bind the rib members between the annular shoulder of the sleeve and the said nut and a lock nut threaded on the shaft and adapted to bindingly engage the nut on the sleeve.

1,560,670. STRAIGHTENING AND STRETCHING MACHINE. GEORGE DE VRIES, Chicago, Ill., assignor to Mid-States Gummed Paper Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 5, 1922. Serial No. 579,943. 13 Claims. (Cl. 91—18.)

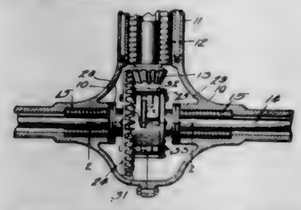
1. In a straightening and stretching machine for coated material, the combination of a breaker bar and a guide roller with means for varying the relation of said bar and roller whereby the angle of the bend produced in material drawn over said bar and roller may be varied.

1,560,671. COIN-CONTROLLED MECHANISM. AUGUST C. DITTRICH, Chicago, Ill. Filed May 14, 1920. Serial No. 381,249. 6 Claims. (Cl. 194—61.)



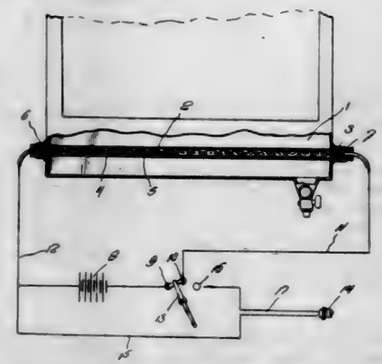
6. In a mechanism of the character described, a box carrying a lever provided with a brake extending outside the box, said box also carrying a lever provided with a coin receiving tube, and connections between the coin receiving tube and the first named lever such that when there is no coin in the tube the first named lever cannot be actuated upon the actuation of the second named lever, but when there is a coin in the tube such actuation can be caused.

1,560,672. DIFFERENTIAL. EGBERT O. DOAK, Canistota, S. Dak. Filed Sept. 17, 1924. Serial No. 738,124. 10 Claims. (Cl. 74—7.)



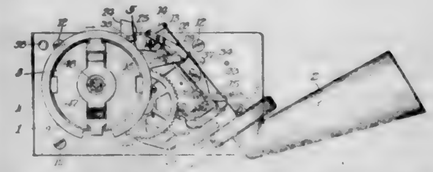
1. In a differential, driven elements and a driving element, the latter carrying two series, oppositely disposed, of power transmitting links movable alternately to positions for rotating the driven element in either direction, and means controlled by the retarding resistance to rotation of the driven elements, for simultaneously moving one series of links to operative, and the other series to inoperative position, said means including a single plate frictionally engaged between the driven elements, and projections carried by the plate engaged with the links the power transmitting links being arranged to resist disengagement from the driven element when in engagement therewith.

1,560,673. ELECTRIC HEATER FOR AUTOMOBILE RADIATORS. TIMOTHY DOLAN, Manchester, N. H. Filed June 15, 1925. Serial No. 37,286. 1 Claim. (Cl. 219—38.)



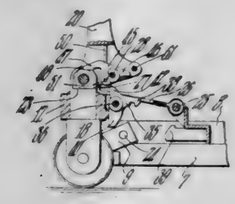
In combination with an automobile radiator, of an electric heater therefor comprising a tube extending longitudinally in the bottom header of the radiator, the ends of said tube extending through the respective sides of the radiator, and being threaded, bushings of insulated material fitted in the respective ends of the tube, a heating wire extending longitudinally through the tube and through the bushings, beads of insulated material strung on said wire for spacing the same from the inner wall of the tube, insulated closures for the respective ends of the tube, said closures being threaded on the threaded end of the tube, and means for energizing the heating wire.

1,560,674. PHONOGRAPH. EDWIN F. DRIVER, Chicago, Ill. Filed Nov. 30, 1923. Serial No. 677,735. 3 Claims. (Cl. 274—22.)



1. A phonograph comprising a support, a record holder rotatably mounted on said support, means for driving said holder, a pivoted stylus carrying arm adapted to rock laterally of said holder to permit the stylus to travel across the record in one direction and being movable toward and away from said holder for shifting the stylus into and out of engagement with the record, said arm being normally urged toward said holder, a control arm pivotally mounted on said support and adapted to coact with said stylus carrying arm for retracting the latter, said control arm being actuated by said driving means, and a restoring element slidably mounted on said support and arranged to coact with said stylus carrying arm for shifting it laterally across said holder in the opposite direction, said restoring element being actuated by said control arm.

1,560,675. ELEVATING TRUCK. JAMES M. EATON, Holyoke, Mass., assignor to Edward N. White, J. Lewis Wyckoff, and James M. Eaton, all of Holyoke, Mass., trustees, doing business as Cowan Truck Company. Filed Aug. 10, 1922. Serial No. 580,909. 6 Claims. (Cl. 254—10.)



1. In an elevating truck, in combination, an elevating platform, steering and supporting wheels therefor, carrying portions for said wheels, a steering handle pivoted for vertical swinging movement, means for elevating said platform by vertical swinging movement of said handle comprising a detachable connection between the handle and the platform, separate means unconnected with the handle for locking the platform in raised position, and a dog pivoted to said handle and adapted to be rocked relatively to said handle to engage and release said locking means when said handle is swung into or is in upright position.

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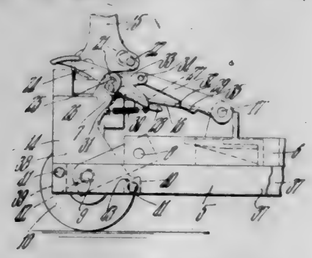
1,560,676. ELEVATING TRUCK. JAMES M. EATON, Holyoke, Mass., assignor to Edward N. White, J. Lewis Wyckoff, and James M. Eaton, all of Holyoke, Mass., trustees, doing business as Cowan Truck Company. Filed Aug. 10, 1922. Serial No. 580,910. 5 Claims. (Cl. 254—10.)



1. In an elevating truck, in combination, an elevating platform, steering and supporting wheels therefor, a steering handle pivoted for vertical swinging movement, means for elevating said platform by vertical swinging movement of said handle comprising a detachable connection between the handle and the platform, and separate means for locking the platform in raised position comprising toggle mechanism arranged to fold into toggle locking position when said platform is raised, and means for releasing said locking means comprising a pivoted treadle which is free of engagement with said toggle mechanism to actuate said detachable connection except when said platform is in raised locked position.

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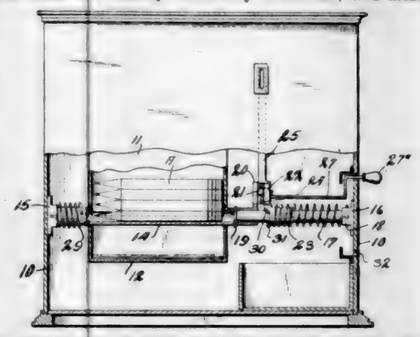
1,560,677. VENDING MACHINE. CHARLES E. ELKINS and THOMAS B. SMITH, Waco, Tex. Filed Oct. 23, 1924. Serial No. 745,438. 6 Claims. (Cl. 194—85.)

1. A coin controlled mechanism including an oscillatable member, an arm mounted upon said member, an oscillatable arm approximately confronting the first named arm, means for manually oscillating the second named arm, a coin chute, means carried by said first-named arm for receiving the coin from the chute, said coin acting as means for interlocking the two arms with each other for unitary oscillatory movement, and means



for causing the separation of the two arms when they have reached a predetermined point to thereby permit the dropping of the coin.

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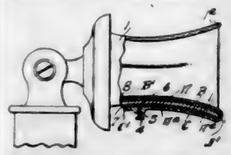
1,560,678. SANITARY ATTACHMENT FOR TELEPHONE MOUTHPIECES. CHARLES O. ELLERT, Brooklyn, N. Y. Filed July 5, 1922. Serial No. 572,954. 6 Claims. (Cl. 179—185.)



1. A sanitary attachment for telephone mouthpieces, comprising a member formed from a single piece of material or element, and having a main body portion, a resilient jaw member in engagement with said main body portion, said resilient jaw member being adapted to enlgage with a disinfectant holding means, and a screw actuated means engaging said main body portion and said mouthpiece in a manner whereby said body portion is detachably locked against displacement upon the periphery of said telephone mouthpiece.

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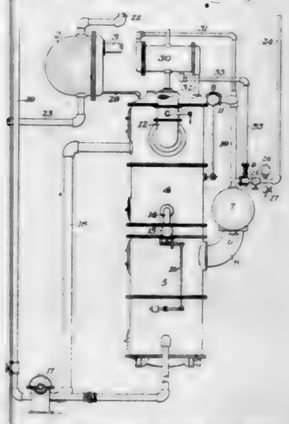
1,560,679. WATER HEATING AND CIRCULATING SYSTEM. WILLIAM S. ELLIOTT, Pittsburgh, Pa. Filed July 2, 1921, Serial No. 482,279. Renewed Mar. 18, 1924. 26 Claims. (Cl. 137—79.)



25. The combination in a hot water heating and circulating system, of a steam-heated water heater, a condenser, an ejector connected to the condenser, an auxiliary condenser, and a connection between the auxiliary condenser and the discharge of the ejector, substantially as described.



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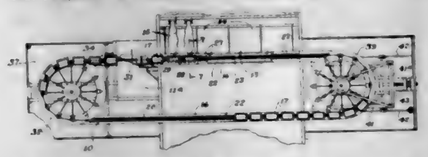
1,560,680. STABLE CLEANER. JOSEPH SANTOS FERNANDES, Hartford, Conn. Filed Aug. 19, 1924. Serial No. 732,993. 8 Claims. (Cl. 198—149.)



2. In a stable cleaner, a stable having a trench, cars operated in said trench, flanges on said trench covering the spaces between the opposed sides of the trench and cars, a cover at one end of a car for bridging the space between said end and the adjacent car and provided with spring actuated means tending to open said cover, and said flanges cooperating with said cover to hold the same closed.

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1,560,681. GREASE CONTAINER. ARTHUR COOK FISHER, North St. Paul, Minn. Filed Nov. 4, 1921. Serial No. 512,838. 3 Claims. (Cl. 206—56.)

1. A container comprising a plurality of sections yieldably secured together to form a tubular body portion, said sections being spirally wound and means for securing the ends of said sections to the body thereof across only a portion of the width thereof.

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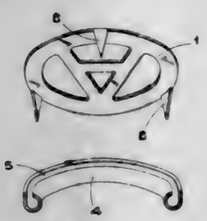
1,560,682. IDENTIFICATION DEVICE OR DISK TO BE ATTACHED TO HAND BAGS OR OTHER GOODS OF LEATHER OR LIKE MATERIAL. WILLIAM EDWARD FINEGAN FITZGERALD and THOMAS BOTTOM, Birmingham, England. Filed Feb. 10, 1925. Serial No. 8,252. 1 Claim. (Cl. 40—25.)



An identification device comprising a disk-shaped plate having prongs adapted to penetrate and project through a part of an article, for attachment thereto, and a ring-shaped securing member of trough-shaped section having a vertical outer wall and a substantially semicircular inner wall forming a continuation of the said outer wall and adapted to receive the projecting parts of said prongs and to bend the points thereof inwardly and into substantially semicircular form.

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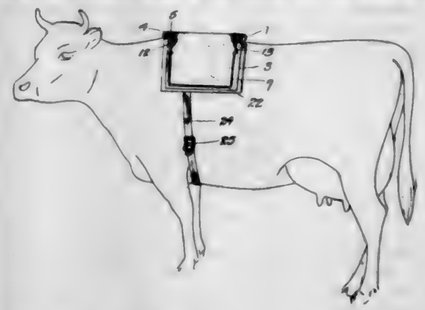
1,560,683. INSECT SHIELD FOR ANIMALS. JOEL Y. FOLEY, Linden, Mo. Filed May 15, 1924. Serial No. 713,448. 3 Claims. (Cl. 43—115.)

3. A device of the class described, comprising a center bar, two independently movable shields hinged to the center bar and located on opposite sides thereof, spring loops on opposite sides of the center bar for holding fly



paper upon the shields and a girth for securing the center bar to the animal.

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1,560,684. RADIO HORN. HUGO GERNSBACK, New York, N. Y. Filed Oct. 27, 1922. Serial No. 597,372. 1 Claim. (Cl. 181—27.)

An amplifying horn for radio receiving sets comprising a substantially semi-spherical body having its outlet end disposed in a vertical plane and having its upper half struck on a greater arc than its lower half, an outwardly directed flange formed on the edge thereof, an inwardly extending lip of arcuate form in cross section disposed in the lower portion of the body forming in connection therewith a volute passageway, the lip having formed directly therein a telephone receiver concavity for permitting the receiver to be disposed in a vertical plane for communication with the volute passageway, and a hollow base formed on the lower surface of the body to space the body from a support, the base having an opening therein communicating with said concavity, as and for the purpose specified.

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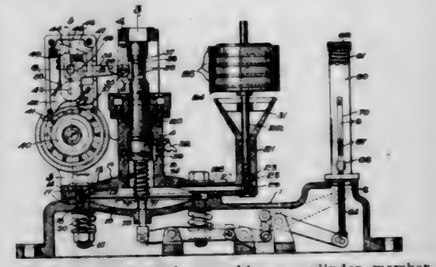
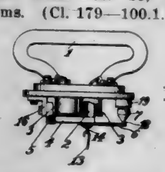
1,560,685. IMPACT-TESTING APPARATUS. GEORGE H. GILMAN, Boston, Mass. Filed Aug. 23, 1920. Serial No. 405,501. 42 Claims. (Cl. 265—13.)



1. In an impact testing machine, a cylinder member, a plunger in said cylinder member, a diaphragm, a base, means clamping said diaphragm to said base and supporting said cylinder member, a fluid body interposed between said plunger and diaphragm, and means responsive to motion of said diaphragm for registering a measure of the impact imparted to said plunger.

1,560,686. RECORDING PHONOGRAPH. RUDOLF HASE, Berlin, Germany, assignor, by mesne assignments, to Naamlooze Vennootschap Finanzieele Maatschapij "Driebergen," Amsterdam, Netherlands, a Company of The Netherlands. Filed Feb. 18, 1921. Serial No. 446,201. 6 Claims. (Cl. 179—100.1.)

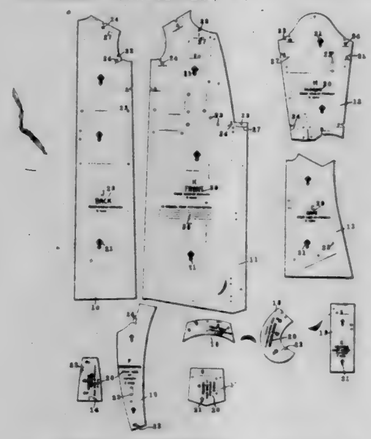


1. In sound recording apparatus the combination with a magnet core of windings to carry speaking current, a bar armature adjacent the poles of said magnet, a resilient tongue rigidly secured to said armature and forming a prolongation thereof, supports, one bearing upon said armature and one upon said resilient tongue-sustaining said armature against the attraction of said magnet, an inscribing lever mechanism and a connection between said lever mechanism and said armature.

1,560,687. UMBILICAL LIGATURE. ARTHUR H. HAUBER, Chicago, Ill. Filed Oct. 2, 1924. Serial No. 741,102. 1 Claim. (Cl. 128—346.)

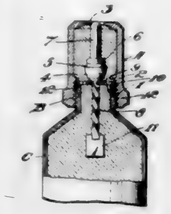
An umbilical ligature formed of a single piece of spring wire bent to provide two clamping sections tending to separate at their free ends, the end portion of one of said sections being bent up, rearwardly and then downwardly to form a loop handle at substantially right-angles to the plane of said sections, the end portion of the companion section being bent downwardly, then forwardly lengthwise the section, then upwardly and then laterally away from the loop of the other section in hook form, said hook in the closed condition of the ligature taking over the other section through said loop handle.

1,560,688. PATTERN AND PATTERN SET. MAX HERZBERG, New York, N. Y., assignor to Excella Pattern Company, Inc., New York, N. Y., a Corporation of New York. Filed July 18, 1924. Serial No. 726,695. 16 Claims. (Cl. 33—13.)



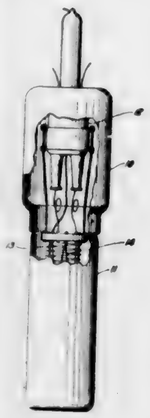
1. A pattern set, including a plurality of separate pattern sections having cut edges to be followed in cutting a finished garment portion and being provided with printed indicia at points adjacent which the garment portions are to be matched, the indicia upon different sections being of a similar character and referring to that section which is to be placed adjacent the same.

1,560,689. COMBINED OUTLET NOZZLE AND MEASURING VALVE. WILLIAM HOLT, Paterson, and RAYMOND B. HOLT, Bloomfield, N. J. Filed Apr. 4, 1924. Serial No. 704,122. 9 Claims. (Cl. 221—60.)



1. A device of the character described including a casing having an opening, a valve in said casing movable by material flowing through the casing to said opening to control said opening, and means for causing relative movement of said valve and the material toward said opening to permit a predetermined amount of said material to flow through said opening.

1,560,690. ELECTRON-DISCHARGE DEVICE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 21, 1923. Serial No. 633,654. 1 Claim. (Cl. 250—27.)



An electron discharge device comprising a metallic cup-shaped anode, a cup-shaped glass member joined to said metallic member to form therewith a vacuum tight enclosing vessel, said glass member having a portion fused to the exterior of said andoe at a point removed from its endge, the diameter of said glass member being increased adjacent the edge of said anode whereby said edge is out of contact with said glass member, and an electrode supported by said glass member.



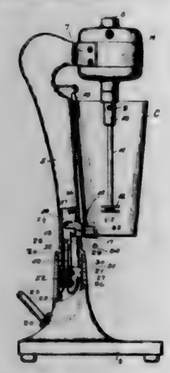
1,560,691. ELECTRON-DISCHARGE DEVICE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 28, 1923. Serial No. 641,808. 4 Claims. (Cl. 250—27.)

6. In an electron discharge device, an insulating member, a supporting member comprising a single length of wire wound to form a resilient portion, a portion adapted to be supported by said insulating member, and a guide portion.

1,560,692. ELECTRON-DISCHARGE DEVICE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 13, 1923. Serial No. 645,053. 4 Claims. (Cl. 250—27.)

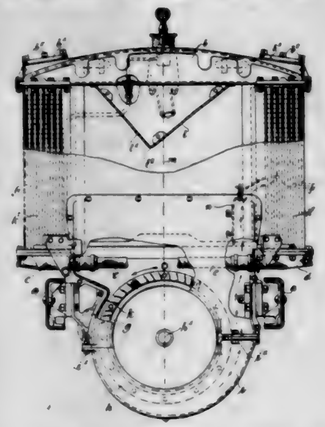
1. In an electron discharge device, a flattened cylindrical anode comprising a pair of plates, the main portions being parallel and their ends bent substantially at right angles to the main portions, the end portions of each plate being of unequal length and connected to dissimilar portions of the other plate, and a projection from each plate in alignment with the longer end and terminating in a semi-circular member, said members being joined together to form a collar.

1,560,693. DRINK MIXER. STANLEY J. JEMBRZYCKI, Chicago, Ill., assignor, by mesne assignments, to The Gilchrist Company, Newark, N. J., a Corporation of New Jersey. Filed Dec. 7, 1922. Serial No. 605,837. 16 Claims. (Cl. 259—135.)



1. In a drink mixer of the class described, the combination of a supporting standard, a motor supported at the upper end of said standard, a spindle connected with the motor armature and extending vertically downwardly in front of said standard, a mixing button at the end of said spindle, a lever structure pivoted at its inner end inside of said standard below said button and terminating in front of said standard in a shelf for receiving a container, a clip at the upper end of said standard for receiving the entrance edge of a container, an abutment on said lever structure, and circuit controlling springs inside of said standard in the path of said abutment to be controlled to close the motor circuit when a container is placed on said shelf.

1,560,694. COOLING SYSTEM. LYMAN C. JOSEPHS, Jr., and LEVERETTE H. CUTTEN, Allentown, Pa., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed July 7, 1922. Serial No. 573,339. 3 Claims. (Cl. 257—26.)



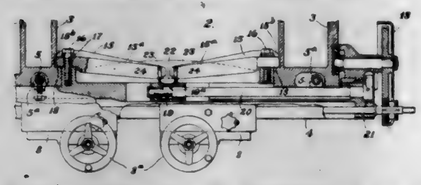
1. In a cooling system for motor vehicles in combination with a tank, radiator sections disposed vertically and connected with said tank adjacent opposite ends thereof, a multi-bladed fan mounted on the flywheel and disposed generally below and between the two sections, and means to deflect the air from the fan in substantially equal volumes over said two sections.

1,560,695. ELECTRIC WATER HEATER. WILLIAM KIGER, St. Louis, Mo. Filed Jan. 24, 1925. Serial No. 4,458. 1 Claim. (Cl. 219—41.)

An electric water heater comprising in combination, a ring like base, a metallic receptacle, upwardly converging arms secured at their lower ends to said ring and at their upper ends to the upper portion of the

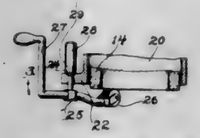
receptacle for securing the latter centrally above the ring, an electric heating unit disposed in the receptacle, and insulated therefrom, a cover detachably secured on the open upper end of the receptacle, a tubular member extending upwardly therefrom, an electric plug supported on the upper portion of the tubular member and connected to said heating element, and a handle associated with the upper end of the tubular member.

1,560,696. CLAMPING MECHANISM FOR PLANER RAILS. CARROLL KNOWLES, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 13, 1920. Serial No. 403,380. 8 Claims. (Cl. 90—37.)



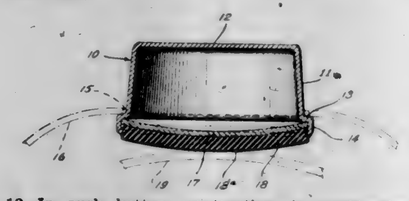
5. In a machine tool, the combination of two uprights, a cutter-supporting rail mounted for vertical sliding movement on the uprights, a clamping member mounted on the rail adjacent each upright, a rotary cam on the rail for operating the clamping members, and an equalizing member between the cam and the said clamping members whereby the clamping action of the cam is distributed equally to the clamping members against their respective uprights.

1,560,697. DRESSING ATTACHMENT FOR VERTICAL-SURFACE GRINDERS. CARROLL KNOWLES, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 24, 1922. Serial No. 596,664. 4 Claims. (Cl. 125—11.)



4. A dressing tool for grinding wheels comprising, a surfacing member adapted to engage and dress the work engaging surface of a wheel, a handle on said tool at the end of the tool opposite the surfacing member and offset therefrom, a second handle thereon positioned at an intermediate point of said tool, and means on said second handle adapted to engage supplementary means adjacent the wheel to suspend said tool whereby it may be moved about in all directions in contact with the wheel.

1,560,698. PUSH BUTTON AND ART OF MAKING THE SAME. KNUD KNUDSEN, Danbury, Conn. Filed Apr. 2, 1923. Serial No. 629,403. 21 Claims. (Cl. 200—172.)

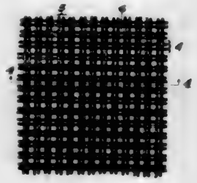


12. In push button construction, in combination, a sheet metal member formed to provide a substantially cylindrically shaped main body portion closed at one end adapted to be received within the opening of a switch casing for manual operation of a switch member therein, said member being formed to provide a laterally and circumferentially extending flange adjacent the open end of said main body portion for limiting the movement of said main body portion within said opening, a convex metallic disk member mounted upon said flange, a non-conductive convex disk member superimposed upon said metallic disk member, and means integrally formed with said flange for locking both said metallic and said non-conductive members in position.

1,560,699. WELDING MACHINE. ANDREW A. KRAMER and ALVAH M. GRIFFIN, Kansas City, Mo. Filed Nov. 9, 1923. Serial No. 673,746. 3 Claims. (Cl. 219—8.)

1. A welding machine comprising a main carriage, a second carriage movable across the first carriage, a drive mechanism and means for rendering the drive mechanism effective for either the first or second carriage.

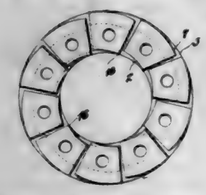
1,560,700. TIRE AND TIRE FABRIC. HENRY LANGER, Middletown, Conn., assignor of one-half to The I. E. Palmer Company, Middletown, Conn., a Corporation of Connecticut. Filed Mar. 6, 1923. Serial No. 623,189. 2 Claims. (Cl. 139—426.)



1. A woven fabric for vehicle tires comprising warp threads and weft threads substantially equal in strength and in number in any given square section of the fabric, said warp and weft threads being interwoven at right angles to each other in units of one or more threads, each warp or weft unit passing alternately over and under a like plurality of units of the thread at right angles thereto and with successive parallel units arranged to produce a diagonal or twill weave, each unit of warp or weft being spaced from the next adjacent like units to provide a multiplicity of interstices throughout the entire fabric permitting the passage of the rubber or rubber compound in forming the tire and thereby to bind the material on the opposite sides of the fabric at said multiplicity of points to produce a unified structure, said fabric being adapted to stretch uniformly in the direction of its twill, diagonally or on the bias as regards its warp and weft units, without wrinkling and whereby it may conform more readily to the circular form of the tire when applied thereto with its said line of twill extending circumferentially of the tire.

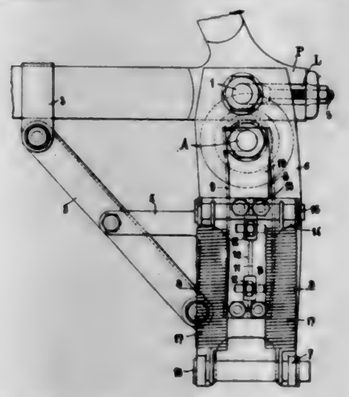


1,560,701. SLIP COLLAR FOR ROTARIES. LE ROY LAYTON, Philadelphia, Pa., assignor to Tioga Steel and Iron Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 27, 1922. Serial No. 539,554. 5 Claims. (Cl. 24—263.)



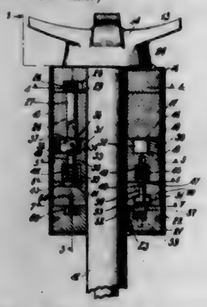
1. A multisection slip collar having slip sections mounted for independent rocking movement to present a portion of their pipe-gripping edges inwardly of their normal positions for pipe gripping purposes.

1,560,702. SPRING DEVICE FOR BICYCLES. CHARLES ALPHONSE LE CAMUS, Billancourt, France. Filed Feb. 1, 1924. Serial No. 689,989. 10 Claims. (Cl. 208—101.)



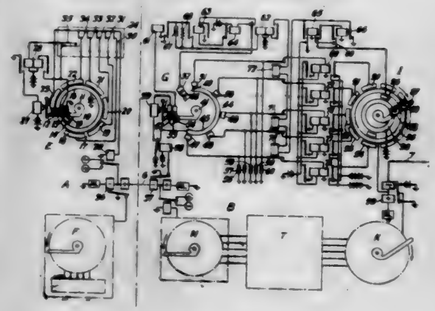
1. In spring devices for bicycles, a plate to be fixed to the fork prong, means in this plate to carry the axle of the wheel, and springs to permit adjustability of said means in said plate, in accordance with shocks due to the unevenness of the road, to absorb the same.

1,560,703. MOTION AND DIRECTION INDICATOR FOR MOTOR VEHICLES. CHARLES H. LIDDELL, Raymond, Wash. Filed Mar. 26, 1924. Serial No. 702,042. 6 Claims. (Cl. 116—36.)



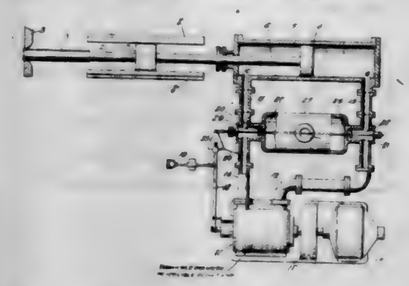
1. An operating mechanism for vehicle motion and direction indicators comprising an oscillatory disc, connected to said indicator; means whereby said disc may be moved to set said indicator; a second disc connected to the steering mechanism of the vehicle; and means for connecting said discs, whereby said second disc may move said first disc, and return said indicator to non-indicating position.

1,560,704. PRINTING TELEGRAPHY. GEORGE A. LOCKE, Maspeth, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 1, 1922. Serial No. 533,277. 7 Claims. (Cl. 178—71.)



1. In combination, a line, a distributing mechanism for distributing selecting units to said line, and electromagnetic means operatively energized operated in response to said selecting units and retained energized until the receipt of selecting units differing in character from those that caused initial operation thereof.

1,560,705. MEANS FOR CONTROLLING FLUID-OPERATED RECIPROCATING MACHINERY. WALDEMAR F. MAYER, Philadelphia, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed June 27, 1919. Serial No. 307,163. 7 Claims. (Cl. 60—52.)

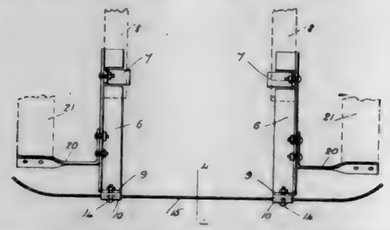


1. The combination with a member to be driven, including a piston and its cylinder, of a variable and reversible flow fluid delivery pump, fluid connections between the pump and both ends of the cylinder, and means including a reservoir having valved communications for controlling the variations in fluid volume on the low pressure side.

1,560,706. BUMPER FOR MOTOR CARS. WYETH C. MAZE, Wichita, Kans. Filed Feb. 10, 1925. Serial No. 8,255. 2 Claims. (Cl. 293—55.)

1. A bumper for a motor car comprising two stiff beams angle-shaped in cross-section and provided at one

end with means for securing them to a car frame, said means having end plates at their other ends arranged



crosswise of them, and horizontal spring bumper bars secured to the said end plates.

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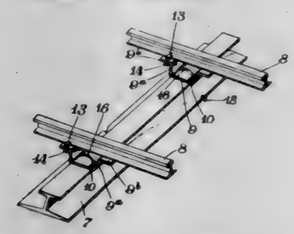
1,560,707. RAILROAD TIE. OLIVER P. MEGAHAN, New Castle, Pa., assignor of one-half to William H. Lewis, Pittsburgh, Pa. Filed June 29, 1925. Serial No. 40,170. 7 Claims. (Cl. 238—66.)



1. A chair for a railroad tie consisting of a pair of opposingly inclined resilient members and a resilient buffer member interposed between said inclined members.

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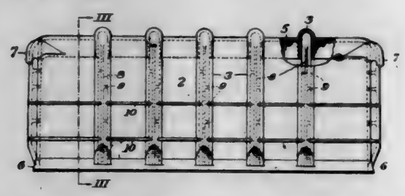
1,560,708. ANNEALING BOX. FRÉDERICK E. MESTA, West Homestead, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 13, 1925. Serial No. 2,142. 7 Claims. (Cl. 263—49.)



3. In an annealing box, a supporting wall having portions thereof swelled to form reinforcements, ribs extending lengthwise throughout a portion at least of some of said swells, and staggered means for tying opposite sides of said ribs to the walls on both sides of the swell, substantially as described.

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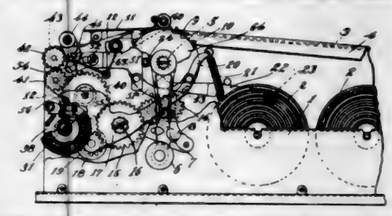
1,560,709. MANIFOLDING MACHINE. ALBERT W. METZNER, Dayton, Ohio, assignor to John Q. Sherman, Dayton, Ohio. Filed Feb. 18, 1924. Serial No. 693,485. 11 Claims. (Cl. 282—16.)

1. In a manifolding machine, the combination with a main paper feed adapted to feed a plurality of webs of paper, one of which is to be retained in the machine as a record, a rewind mechanism operated from the main feed to rewind the said retained web, a complementary feeding mechanism adapted to engage and feed said retained web after it has left the main feed, and means operated from the main feed, to inhibit operation



of the rewind mechanism and complementary feeding mechanism during a portion of each cycle of operation of the main feeding mechanism.

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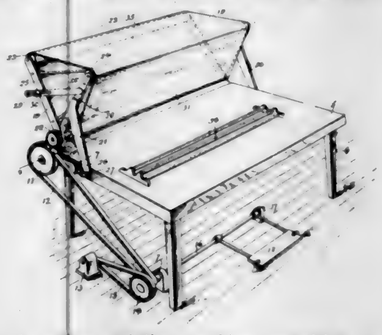
1,560,710. PATTERN-PRINTING MACHINE. HANS HENRY MEYER, New York, N. Y., assignor of one-half to Morris Katz, New York, N. Y. Filed Dec. 2, 1924. Serial No. 753,494. 3 Claims. (Cl. 101—122.)



1. A pattern printing machine comprising a table having a bed, means for moving a sheet of material to be printed upon over said bed, and printing mechanism for printing upon the moving sheet of material, said printing mechanism including an endless perforate pattern stencil, and a collapsible support for removably supporting said stencil.

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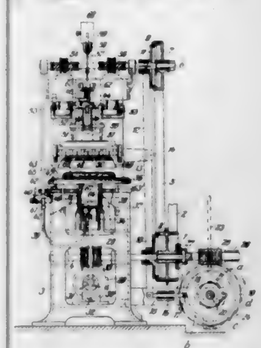
1,560,711. DOUGH-DIVIDING MACHINE. WILHELM AUGUST HEINRICH MOHR, Halle-on-the-Saale, Germany, assignor to Herm. Bertram Hallesche Dampfbackofenfabrik Hallesche Misch- und Knetmaschinenfabrik, Halle, Germany. Filed Feb. 24, 1922. Serial No. 538,952. 12 Claims. (Cl. 107—20.)



1. In a dough operating machine, the combination, with a pair of pressure members adapted to hold a batch



of dough between the same, and dough dividing means, of a crank mechanism, a pneumatic cylinder and plunger connected respectively to one of said plates and the crank mechanism, and means to operate the crank mechanism.

10. In a dough operating machine, the combination, with a pair of pressure members adapted to hold a batch of dough between the same, and dough dividing means, of a crank mechanism, a pneumatic cylinder and plunger connected respectively to one of said plates and the crank mechanism, means to operate the crank mechanism, and an automatically operated cam disk controlling the operation of said crank mechanism operating means.

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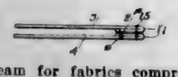
1,560,712. SEAM FOR GARMENTS. ROBERT C. NAYLOR, Dayton, Ohio, assignor to The Gem Shirt Company, Dayton, Ohio, a Corporation of Ohio. Filed July 21, 1921. Serial No., 486,559. 1 Claim. (Cl. 112—262.)



A waterproof seam for fabrics comprising a pair of fabric members and a narrow strip of waterproof material, the waterproof material being interposed between the fabric members at one edge of each, said fabric member edges and one edge of the waterproof strip being alined, a row of stitching extending through the fabric members and the waterproof strip at said alined edges, folds in said fabric members alined with the remaining edge of the waterproof strip, and a second row of stitching extending through the folds and the waterproof strip.

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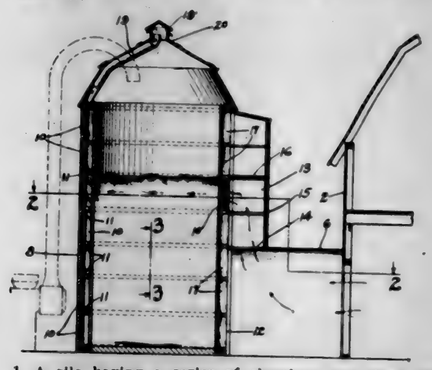
1,560,713. SILO. ERNEST NELSON, Barron, Wis. Filed Dec. 18, 1924. Serial No. 756,743. 8 Claims. (Cl. 20—1.4.)



1. A silo having a series of chambers one above the other in its walls, and means for compelling currents of air to flow around the silo through any selected chamber of said series.

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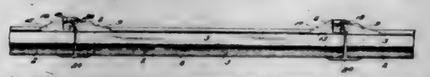
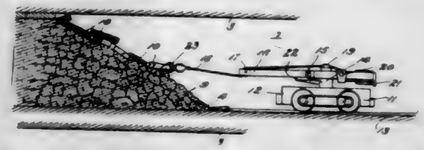
1,560,714. SECTIONAL TRACKWAY. NORTON A. NEWDICK, Columbus, Ohio, assignor to The Coloder Company, Columbus, Ohio, a Corporation of Delaware. Filed Feb. 23, 1922. Serial No. 538,700. 9 Claims. (Cl. 238—10.)

9. In a track-way, co-operating track sections, each comprising a tread portion and supporting means at the opposite edges of the tread portions, and means for movably connecting the sections at one of said supporting edge portions.

1,560,715. METHOD OF HANDLING SLATE. NORTON A. NEWDICK, Columbus, Ohio, assignor to The Coloder Company, Columbus, Ohio, a Corporation of Delaware. Filed Sept. 6, 1923. Serial No. 661,303. 4 Claims. (Cl. 262—1.)



1. The method of mining coal which consists in disrupting the natural coal vein along a working face, to produce the free pile of gatherable coal, in removing from the roof of the mine over said coal pile, the clinging stratum of draw slate which adheres to the mine roof following the disrupting of the coal vein, permitting said slate to drop down and deposit itself on the coal pile in relatively large slabs or pieces, and in removing the slate from the coal pile in the same condition as it falls, without preliminary reduction or breakage thereof on the coal pile.

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1,560,716. CONVEYER. NORTON A. NEWDICK, Columbus, Ohio, assignor to The Coloder Company, Columbus, Ohio, a Corporation of Delaware. Filed Sept. 6, 1923. Serial No. 661,305. 2 Claims. (Cl. 198—175.)

1. In a conveyer, a chain formed to comprise a plurality of links, pivotal connections between the adjoining ends of said links permitting the chain to flex in a single plane, a pair of complemental brackets carried by a pair of adjoining pivotal connections between said links, and a material conveying flight rigidly connected with said brackets.

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1,560,717. EYEGLASSES. ALANSON C. NOBLE, Chicago, Ill. Filed Feb. 21, 1923. Serial No. 620,325. 2 Claims. (Cl. 88—48.)

2. Eye glasses comprising lenses, a nose bar, standards and abutments on said standards in combination with pads secured on said abutments, means to yieldingly force said pads against the nose of a wearer of said eye glasses, said pads comprising faces of yielding rubber positioned to come in contact with the skin of the wearer and provided with contour lines corresponding with the face of the wearer of said eye glasses, and having an area sufficient to prevent indentations in the skin in contact therewith, and to form bases adapted to support said eye glasses.

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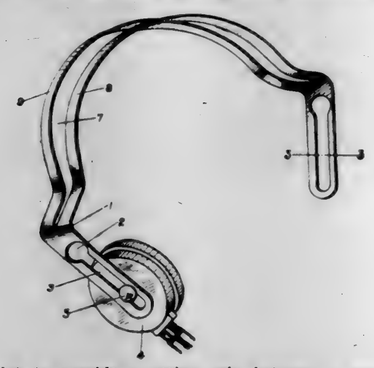
1,560,718. RECEIVER HEADBAND. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed Apr. 12, 1922. Serial No. 551,874. 1 Claim. (Cl. 179—156.)

In a device of the class described, a single piece head band having its ends bent inwardly and being split from a point near one bent end to the other bent end and the split portion being spread for the purpose described, said ends having means consisting of, a hole and an elongated

slot of less width than the diameter of the hole, leading from the hole, the material being bowed transversely of



the slot to provide a spring grip between a receiver back and a stud having an enlarged head fastened to the back of the receiver.

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1,560,719. METHOD OF FORMING A CLOSED SPIRAL CHAMBER FROM SHEET METAL. JOHN OTTO OLSON, St. Paul, Minn., assignor to Spiral Radiator Company, St. Paul, Minn., a Corporation. Filed May 7, 1924. Serial No. 711,600. 5 Claims. (Cl. 113—116.)

1. The method of forming closed spiral chambers from sheet metal, which consists in cutting two sheets of the proper size to form the outer and inner walls of the chamber, placing said sheets in proper relative position one on the other, forming the same concurrently into spiral members, taking apart said spiral members, shaping the opposite edges of the outer member inwardly, shaping the opposite edges of the inner member outwardly, placing the shaped spiral members together, and securing the edges of the two members to make a tight joint.

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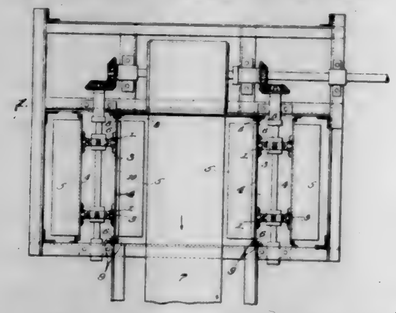
1,560,720. TRAY ELEVATOR. SAMUEL OLSON, Chicago, Ill., assignor to Samuel Olson & Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 27, 1920. Serial No. 426,775. 2 Claims. (Cl. 198—163.)



1. An elevator comprising a pair of vertically traveling belts running parallel to each other and each including transversely disposed members with extending end portions extending in the plane of said members, vertical guideways engaging said end portions to steady the belts in their travel, parts on each belt projecting laterally from said plane of the transverse members toward the other belt and in horizontal registration with each other for supporting loads, and spacing blocks secured to the faces of the belts adjacent said horizontal projecting parts for the purpose indicated.

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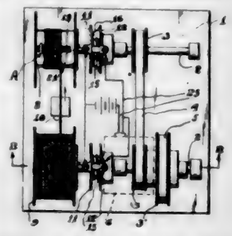
1,560,721. AUTOMATIC REEL-STOPPING DEVICE FOR RECORD-O-PHONES. HUGH P. O'REILLY, Washington, D. C., assignor to Record-O-Phone Company, a Corporation of Delaware. Filed Nov. 14, 1924. Serial No. 750,016. 7 Claims. (Cl. 242—54.)



1. In a device of the character described in combination, a reel, means for revolving the said reel when the said reel has wire thereon, and means for stopping the revolution of the said reel when the said wire is almost unwound from the said reel, the said means including a movable disk, a stationary disk, a spring pressed lever for moving the said movable disk towards the said stationary disk, a spring for normally keeping the said disks apart and means on the said disks for making and breaking an electric current.

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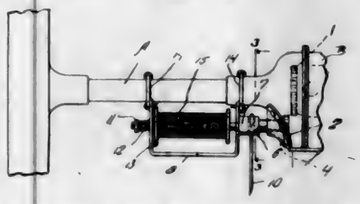
1,560,722. AUTOMOBILE EXTRACTOR. RUDOLF M. PETERSON, HENRY W. SEARS, and EDGAR D. PETERSON, Kanorado, Kans. Filed Feb. 2, 1925. Serial No. 6,290. 3 Claims. (Cl. 254—166.)



1. In a structure of the class described, a gear adapted to be fixedly mounted upon a driven axle section of a vehicle, a supporting frame, means for mounting said frame upon an axle housing of the vehicle, a shaft rotatably and slidably mounted upon said frame, spring means in association with the frame and shaft for sliding the shaft in a predetermined direction, a cable drum fixedly mounted on said shaft, manually operated cam coacting means in association with the frame and shaft for sliding the shaft in an opposite direction, the inner end of said shaft being adapted to extend through and into the differential gearing casing, and a pinion on the inner end of said shaft adapted to be moved into mesh with said gear.

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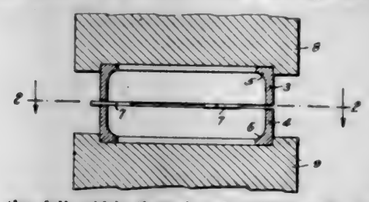
1,560,723. PRODUCTION OF BALL RACES AND SIMILAR ARTICLES. GEORGE H. PHELPS, Warehouse Point, Conn., assignor to Thomas E. Murray, sr., Brooklyn, N. Y. Filed Sept. 9, 1920. Serial No. 409,198. 8 Claims. (Cl. 219—10.)

5. The method of forming a ball race which consists in forming two rings constituting component parts of the race, placing said rings with their inner edges toward each other and with metal inserts between them, said inserts arranged at intervals around said edges and cover-



ing the full width thereof and welding said rings together through said inserts, and removing projecting portions of said inserts.

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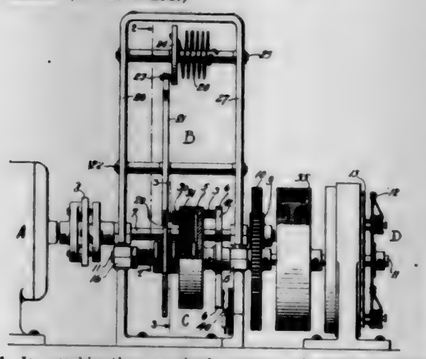
1,560,724. REGULATING SYSTEM. LOUIS M. POTTS, Highwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 26, 1922. Serial No. 596,941. 7 Claims. (Cl. 172—293.)



1. In combination, a single source of motive power, means having a natural period of oscillation operated by power derived from said source of motive power, an element driven mechanically by power communicated thereto from said source of motive power, and means controlled jointly by said source of motive power and said first recited means for controlling the speed of the driven element.

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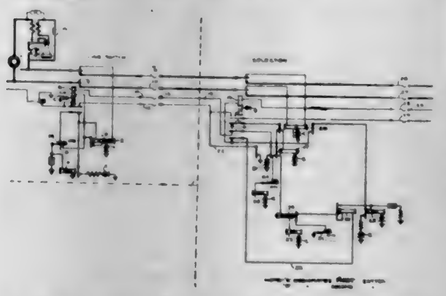
1,560,725. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 25, 1922. Serial No. 531,571. 16 Claims. (Cl. 179—18.)



1. In an automatic telephone system, an incoming circuit, a plurality of outgoing circuits, an automatic switch for extending said incoming circuit to any of said outgoing circuits, a motor magnet for operating said automatic switch, a plurality of separate batteries with connections therefor, means including said motor magnet, one of said batteries and one of said connections for operating said automatic switch, and means including both of said batteries and their connections for disabling said motor magnet.

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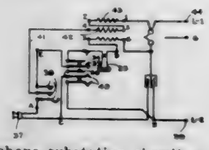
1,560,726. TELEPHONE SUBSTATION CIRCUIT. WINFRED T. POWELL, Rochester, New York, assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed July 24, 1923. Serial No. 653,466. 12 Claims. (Cl. 179—81.)



1. In a telephone substation circuit, a telephone transmitter, a receiver, a signal, a three-plate condenser, an impulse transmitter having impulse springs, a telephone line including two conductors, a signaling bridge across said conductors including said signal and two of said condenser plates, a second bridge across said line conductors including said telephone transmitter and said impulse springs, a third bridge including said receiver connected across said first and said second bridges, and a circuit including said impulse springs, said third plate and one of said first mentioned plates of said condenser.

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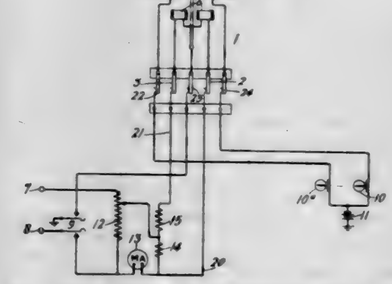
1,560,727. TESTING SYSTEM. HAROLD M. PRUDEN, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 23, 1923. Serial No. 614,375. 3 Claims. (Cl. 175—183.)



1. In a testing system, in combination with a relay to be tested having an armature adapted to vibrate between two stationary contacts in response to alternating current, a source of alternating current for causing the operation of said armature, a second source of current, a circuit including said armature, said second current source, an indicating lamp and one of said stationary contacts, and another circuit including the same said armature and second current source, another indicating lamp and said other stationary contact.

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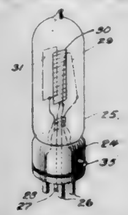
1,560,728. VACUUM-TUBE SOCKET. JOHN W. RADU, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 11, 1920. Serial No. 423,244. 1 Claim. (Cl. 173—328.)

A vacuum tube socket comprising a base of insulating material a tubular socket member arising therefrom, a

plurality of tubular members mounted in said base, a plurality of flat spring contact members, each of said contact members having one end projecting across one end of said socket member and the other end projecting beyond the edge of the base, a bolt extending through



each of said contact members and being threaded into one end of a tubular member to attach said contact member thereto, and a second bolt threaded in the opposite end of each of said tubular members to provide means for attaching an electrical conductor thereto.

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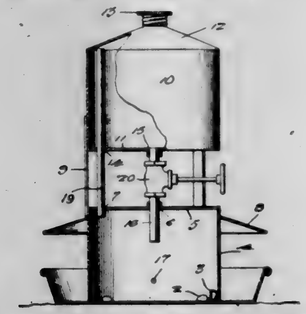
1,560,729. POULTRY DRINKING FOUNTAIN. CLARENCE W. RANDALL, Elk, Wash. Filed Feb. 24, 1925. Serial No. 11,306. 3 Claims (Cl. 119—77.)



1. In combination, a drinking pan having on its bottom a circular series of spacing elements embodying spring fingers, a cylindrical tank, provided with a bottom open end for resting on the bottom of the pan so that the spring fingers engage the interior thereof, said tank provided with a plurality of openings in its side disposed between the top and bottom of the pan, a supply tank mounted above the first mentioned tank, a pipe communicating the two tanks, and a valve in said pipe.

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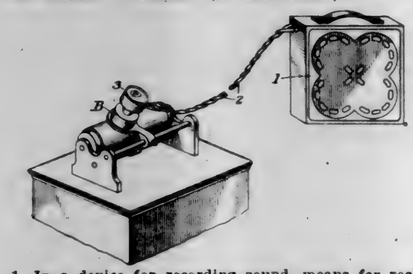
1,560,730. SOUND RECORDATION. MARSHALL H. RENO, Pittsburgh, Pa.; Ralph M. Reno and Annie W. Reno, executors of said Reno, assignors to Annie W. Reno, Pittsburgh, Pa. Filed Jan. 30, 1922. Serial No. 532,657. 4 Claims. (Cl. 179—100.1.)



1. In a device for recording sound, means for recording sound waves, means detachably connected to said recording means for mechanically transmitting sound waves thereto, means carried by said transmitting means for modulating the transmission of the sound waves, an electrical receiving instrument carried by said transmitting means in cooperative relation therewith, and means for electrically energizing said receiving instrument, substantially as described.

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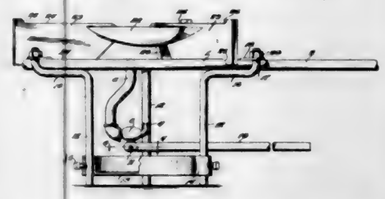
1,560,731. OIL BURNER. JOSHUA C. REYNOLDS, Owensboro, Ky., assignor to Woodford F. Axton and Edwin D. Axton, both of Louisville, Ky. Filed June 16, 1924. Serial No. 720,312. 4 Claim. (Cl. 158—79.)



1. A burner comprising a volute coil connected with a source of supply, a jet spout arranged below and in communication with the coil, supporting legs below the coil having their upper portions extending laterally outward whereby to bear against the under side of the coil and having their upper terminals upturned to abut the outermost turn of the coil, clamp plates mounted upon said upturned terminals and engaging over the outermost turn of the coil, and securing devices mounted upon said terminals and bearing upon said clamp plates.

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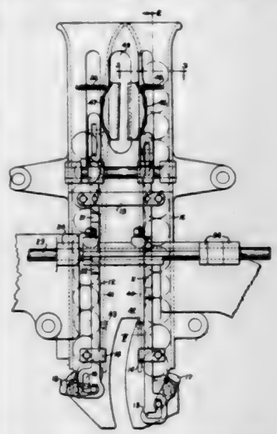
1,560,732. DEVICE TO PREVENT VIBRATION OF BOBBINS. OSCAR W. RICHARDSON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 1, 1924. Serial No. 703,545. 11 Claims. (Cl. 139—245.)



1. In a weft replenishing mechanism for looms, a compartment to hold reserve bobbins as they await movement toward transfer position, a pivotally mounted wall forming one side of the compartment and extending adjacent the reserve bobbins, and means under control of the replenishing mechanism to move said wall about the pivot therefor to vary the width of the compartment.

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1,560,733. AIR-PUMP GUN. ERNEST S. ROE, Plymouth, Mich. Filed May 2, 1925. Serial No. 27,391. 19 Claims. (Cl. 124—11.)

1. In a gun, the combination of a stationary frame, a power spring, a plunger engaging one extremity of



the spring, and means for compressing the spring including a lever having a rolling fulcrum on the frame, a

member carried by the lever and engaging the plunger stem, and means for rocking the lever.

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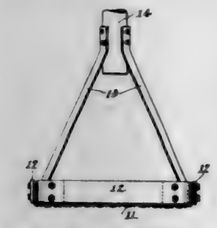
1,560,734. APPARATUS FOR LAYING CONCRETE. ROSS H. ROOK, Los Angeles, Calif., assignor of one-half to Leroy W. Reese, Los Angeles, Calif. Filed May 29, 1922. Serial No. 564,444. 3 Claims. (Cl. 94—48.)



1. A tamper of the kind described, that comprises a hollow horizontal frame, a vertically extending handle connected to the frame, a screen forming the bottom of the tamper extending across the bottom of the frame and having its edges bent up on the outside of the frame, and cleats outside the screen edges and secured to the frame to hold the screen edge between the cleats and the frame.

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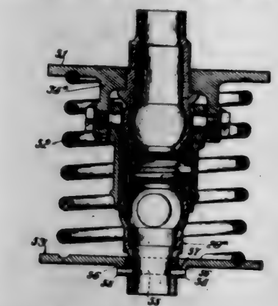
1,560,735. FLEXIBLE METALLIC PIPE CONNECTION. EDWARD A. RUSSELL, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed May 25, 1921. Serial No. 472,470. 24 Claims. (Cl. 285—92.)



1. A flexible pipe connection comprising a pair of conduit members, one of which is formed with a ball adapted to project into the other member, a gasket arranged to bear against the inner end of the ball and freely slidable on said other member to maintain sealing contact with said members when the surface of the gasket against the ball wears and a connecting element having a direct pivotal non-swiveling connection with one of said members and rotatable on the other.

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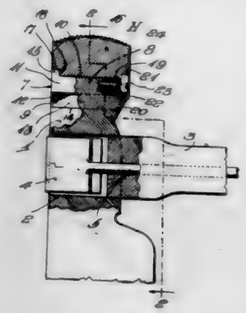
1,560,736. RENEWABLE-HEAD TOOL. JESS G. SALAZAR, Atwater, Calif. Filed Feb. 7, 1924. Serial No. 691,255. 3 Claims. (Cl. 145—29.)

1. A nail driving tool comprising a handle-carried body extending laterally from the handle axis and having a rib on its outer end parallel with said axis, said rib having a relatively wide outer portion and a comparatively narrow central neck portion connecting said outer portion with the body, said outer portion having a flat outer side and parallel edges at right angles thereto, the front end of said flat outer side being formed with a transverse ridge extending throughout its width and flush with the front end of said rib; a removable head having a T-shaped slot opening through its front and rear sides and snugly receiving said rib, the front end of said slot being enlarged laterally to receive said ridge;



the aforesaid rib being formed with a longitudinal bore which is provided at its rear end with a countersink which opens through the outer side of said relatively wide outer portion of the rib, the rear end of said head being formed with a notch registering with said countersink, and a screw threaded into said bore and having an enlarged head received jointly in said countersink and notch, said ridge forming the sole means for preventing forward sliding of the tool head, said screw head forming the sole means for preventing rearward sliding of said tool head.

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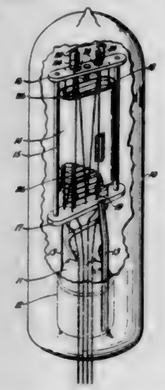
1,560,737. ELECTRON-DISCHARGE DEVICE. PAUL SCHWERIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 22, 1923. Serial No. 640,660. 10 Claims. (Cl. 250—27.)



1. In an electron discharge device, a block of insulating material, a tubular member carried thereby, a filament supporting member passing through said member, a guide for said member carried by said eyelet, and means supported from said eyelet for maintaining said filament supporting member under tension.

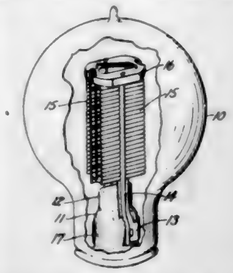
1,560,738. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 20, 1923. Serial No. 669,667. 22 Claims. (Cl. 197—130.)

1. A typewriting machine arranged to facilitate the passing of a succession of worksheets through the machine in the same sequence again and again, having, in combination, a traveling carriage, a revoluble platen journaled therein, a work-sheet hopper above the platen for storing the work-sheets preparatory to typing in the order in which they are to be typed, means for guiding the work-sheets from the hopper to the platen at the front thereof, and an accumulating receptacle on the carriage at the rear of the platen in which the work-sheets are automatically accumulated in the same order in which they were arranged in the hopper, wherefore they may be placed again in the hopper and typed in the same order without rearrangement.

1,560,739. DEVICE FOR SEPARATING THE INNER AND OUTER PARTS OF DOUBLE COLLARS FOR SHIRTS. FRANK ELPHINSTONE STARR, Sydney, New South Wales, Australia, assignor to Meakers Limited, London, England, and Arthur Robert Marks, London, England. Filed June 30, 1924. Serial No. 723,318. 2 Claims. (Cl. 68—11.)

1. A device for separating the inner and outer portions of shirt-collars of the folded or double kind consisting of a structure comprising a frame having a longitudinal opening intervening between two parallel side walls; a rigid member positioned centrally within said opening and parallel with the walls thereof, said member extending from one end of said frame towards, but stopping short of, the other end thereof, whereby a divided inverted U-slot obtains between the said two members and constitutes a closed space for the traverse of the folds and top of the collar with the rigid member interposed in separating relation between the folds; and a handle at an end of said frame.

1,560,740. ELECTRON-DISCHARGE DEVICE. JOHN L. STELLING, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 12, 1923. Serial No. 650,999. 2 Claims. (Cl. 250—27.)



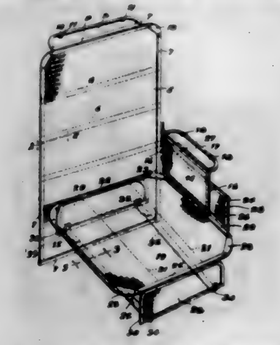

1. In an electron discharge device, a glass support, a collar surrounding said support, the surface of the support in contact with the collar being roughened and an electrode supported by said collar.

1,560,741. COFFEEPOT. WILBUR TOPPING and ANDREW W. NELSON, Terre Haute, Ind., assignors to Columbian Enameling & Stamping Co., Terre Haute, Ind., a Corporation of Indiana. Filed July 11, 1925. Serial No. 42,881. 5 Claims. (Cl. 53—8.)

1. A drip coffee pot comprising a receptacle for coffee and a coffee holding member super-incumbent thereon, a filter cup adjacent the bottom of said coffee chamber having horizontal perforations but having an imperforated top, the coffee being positioned over and around said filter cup and a water spreading plate positioned on top of said coffee chamber, said water spreading plate being provided with an air vent in the center thereof so as to permit the water over said plate to readily fall by gravity over the coffee in the coffee chamber.

1,560,742. AUTOMOBILE SEAT COVER. RICHARD J. TRUMBULL, Chicago, Ill. Filed Sept. 1, 1923. Serial No. 660,511. 1 Claim. (Cl. 155—182.)

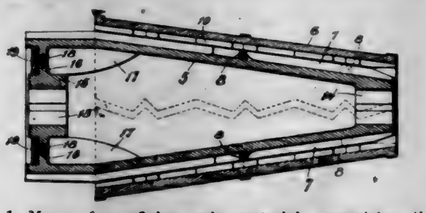
The combination of a back protective panel for seats the lower portion of the back being adapted to extend below the seat in the rear, a side wing extending forwardly therefrom intermediate the ends thereof, a seat cushion protective panel independent of said back panel having an upstanding side panel secured thereto along a side edge thereof, and movable therewith, said side



panel and side wing adapted to be disposed in sliding relation with each other the side panel being disposed between the side wing and the side of the seat.

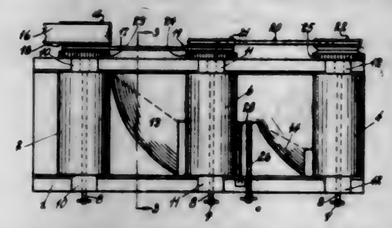


1,560,743. MEANS FOR REFINING PAPER STOCK. LESHER W. VAN BUSKIRK, High Bridge, N. J., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Oct. 1, 1923. Serial No. 665,982. 4 Claims. (Cl. 92—27.)



1. Means for refining pulp material, comprising the combination with mated alloy steel plug and liner elements of the integral construction type, of provisions for establishing high frequency swells in the passage of the stock and including bridging members between alternate blades of the plug, and means on the liner and co-operating with said bridging members for diverting the stock from one element to the other.

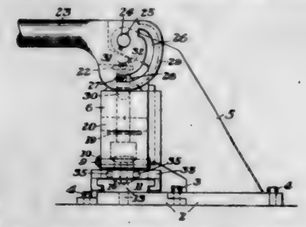
1,560,744. METHOD OF FORMING PADDING. ROBERT O. WALDMAN, Berkeley, Calif. Filed June 11, 1923. Serial No. 644,820. 4 Claims. (Cl. 154—29.)



1. The method of forming a seat padding strip which consists in combing a layer of fibers lengthwise in said strip, placing an adhesive upon said combed fibers, and folding said strip upon the adhesive.

1,560,745. COMBINATION PUNCH AND PRESS. JOHN S. WALKER, Pittsburgh, Pa. Filed Dec. 11, 1923. Serial No. 679,868. 5 Claims. (Cl. 153—21.)

1. In a metal working apparatus, a standard, a vertically movable plunger slidably mounted upon said standard, an upper die on the lower end of said plunger, a cooperating lower die, an operating lever pivoted to said standard and having eccentric grooves in one end thereof, an anti-friction ball seated in the upper end of the plunger and engaging in one of said grooves, a vertically movable punch plunger slidably mounted in said first mentioned plunger, an anti-friction ball seated in the upper end of said punch plunger and engaging an-

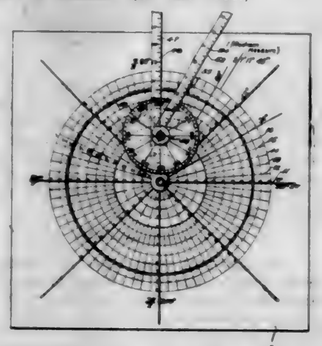


other of said grooves, whereby when said lever is swung in one direction said plungers are depressed, a pin carried by the upper end of said plunger and working in a cam slot in said lever, and a spring tending to raise said punch plunger, whereby when said lever is swung in the opposite direction said plungers are raised, substantially as described.

1,560,746. EGG TURNER FOR INCUBATORS. WILLIAM H. WALTER, Denver, Colo. Filed Feb. 19, 1925. Serial No. 10,268. 3 Claims. (Cl. 119—44.)

1. In an incubator, in combination, a housing, an egg supporting tray slidably secured thereto, a rack slidably secured to the tray, said rack having spaced parallel bars adapted to receive between them a row of eggs, a shaft rotatably mounted in the housing, said shaft having one end extending to the outside of the housing, means secured to the end of the shaft for rotating the same, upwardly extending projections on the rack and means comprising angularly related arms secured to the shaft, said arms being adapted to engage the projections to slide the rack when the shaft is rotated.

1,560,747. VECTOR CALCULATOR. MENDEL P. WEINBACH, Columbia, Mo. Filed Dec. 23, 1924. Serial No. 757,750. 4 Claims. (Cl. 235—161.)



1. A vector calculator comprising a plate having a plurality of concentrically arranged circles spaced equal

distances apart, a graduated arm pivoted to the plate at the axis of said circles, a graduated disk slidably mounted upon the measuring arm, and a second graduated arm pivotally mounted to the disk at the axis thereof.

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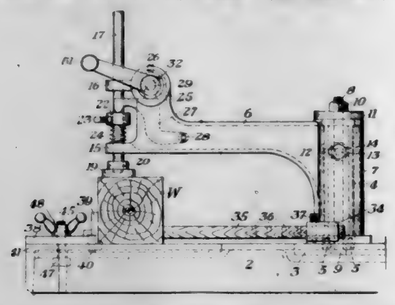
1,560,748. WORK CLAMP FOR WOODWORKING MACHINES. CLINTON G. WILDERSON, Leetonia, Ohio, assignor to The Crescent Machine Company, Leetonia, Ohio, a Corporation of Ohio. Filed May 29, 1924. Serial No. 716,629. 11 Claims. (Cl. 144—290.)



1. A work clamp, comprising a support, a vertical stem slidably mounted in said support, a clamping foot carried by the lower end of said stem, a coil spring surrounding said stem and engaging at its lower end a fixed portion of the support and at its upper end a collar adjustably mounted on said stem, and means engagable with said collar for moving said foot to and positively holding it in clamping engagement with the work, substantially as described.

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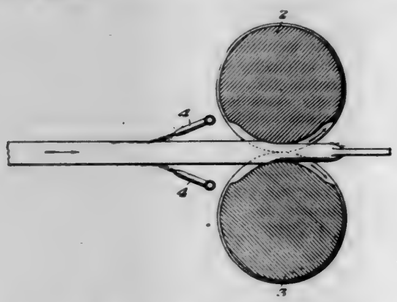
1,560,749. DIE ROLLING. WILLIAM P. WITHEROW, Pittsburgh, Pa., assignor to Witherow Steel Company, Neville Island, Pa., a Corporation of Pennsylvania. Filed Aug. 1, 1923. Serial No. 655,061. 6 Claims. (Cl. 80—60.)



1. In the method of die rolling blanks of a desired length from leaders, the steps consisting in passing a leader through the die rolls and directing a cooling fluid thereagainst, and thereafter passing other leaders through said die rolls and varying the amount of cooling fluid directed thereagainst to produce blanks varying in length from those produced from the first mentioned leader, substantially as described.

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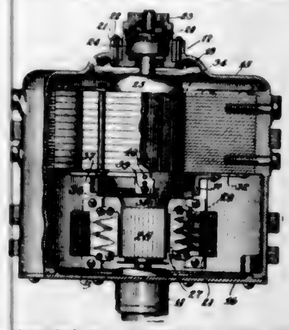
1,560,750. GENERATOR FOR USE IN SPEED-INDICATOR SYSTEMS. FRANK W. WOOD, Montclair, N. J., assignor to Chas. Cory & Son, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 21, 1921. Serial No. 438,930. 1 Claim. (Cl. 171—227.)

A generator comprising an armature and its shaft, a permanent field magnet, and means for shunting the poles of the field magnet to vary the flux density across the armature, said means comprising a holder including a substantially semi-circular threaded member surrounding the shaft of the armature and attached to the field magnet and a threaded lug, a complementally threaded annular shunt member rotatable therein, and means carried by said lug for securing the shunt member in any adjusted position.



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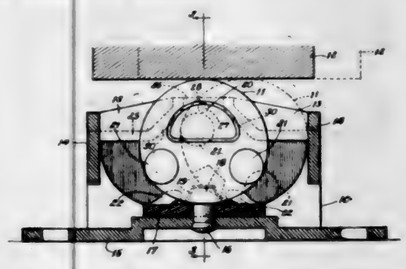
1,560,751. ROLLER SIDE BEARING FOR CARS. GEORGE A. WOODMAN, Chicago, Ill., assignor of one-half to Vincent J. Burry, one-fourth to Otto S. Flath, and one-fourth to Osborne E. Quinton, all of Chicago, Ill. Filed June 2, 1923. Serial No. 642,920. 7 Claims. (Cl. 308—226.)



1. In a side bearing for cars, the combination with a roller having lugs projecting from its ends and a recess in an arcuate surface thereof, of a cage comprising a single tooth engaging the recess in the roller, and stops adapted to engage the lugs of the roller to prevent rectilinear motion of the roller toward the tooth without accompanying rotation of the roller.

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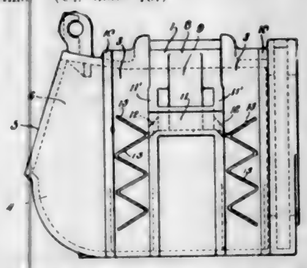
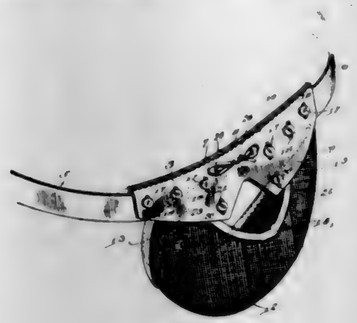
1,560,752. JOURNAL BOX. GEORGE A. WOODMAN, Chicago, Ill. Filed May 31, 1924. Serial No. 716,847. 4 Claims. (Cl. 308—79.)



1. A journal box comprising a stop for the bearing formed by a recess in the side of said box, and a wall closing said recess to form an oil pocket.



1,560,753. SUSPENSORY. WILLAMETTE JOAQUIN YOUNG, Miami, Fla. Filed Feb. 29, 1924. Serial No. 695,984. 1 Claim. (Cl. 128—161.)



A suspensory, including a supporting member made up of a front piece, and a back piece permanently secured together along their upper edges, a sack constructed of comparatively inexpensive fabric and being designed to be discarded and renewed when soiled and having tabs, each tab having a binding formed with a button hole, buttons secured to the front face of the back piece, and cooperable with said buttonholes whereby the sack is detachably secured to the supporting member, the front piece having button-holes cooperable with the buttons of the back piece to hold the front piece up against the back piece and overlying the tabs, the sack and the supporting member having complementary recesses defining the front opening of the suspensory, the recess of the supporting member defining points thereon and fastening devices on the front face of the back piece for holding the points together.

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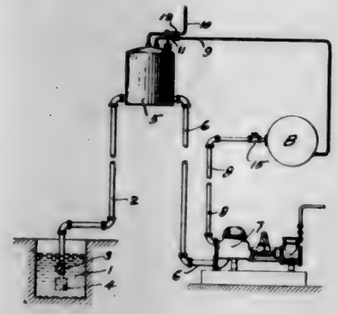
1,560,754. DEAERATING APPARATUS. BENJAMIN BROIDO, New York, N. Y., assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed July 28, 1920. Serial No. 399,621. 5 Claims. (Cl. 122—451.)



1. In apparatus of the class described, the combination of a source of water, a closed tank at a considerable elevation above the source, a pump, a pipe from the source to the tank, a pipe from the tank to the pump, a delivery pipe from the pump, a check-valve in the first pipe, a valved pipe from a source of water under pressure to the tank, a valved pipe from an elevated point of the tank to the atmosphere, and automatic means to operate the two valves in unison in response to the water level in the tank.

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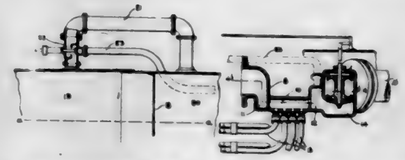
1,560,755. BOILER WITH SUPERHEATER. BENJAMIN BROIDO, New York, N. Y., assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 2, 1920. Serial No. 427,861. 6 Claims. (Cl. 122—479.)



1. In apparatus of the class described, the combination of a boiler; means dividing the space above the water level into two parts to the first of which more of the steam is delivered upon its generation than to the second; means to put these two parts into direct communication; a superheater; a pipe connecting the second of said parts of the space with the inlet of the superheater; a valved pipe leading from the outlet of the superheater; and a pipe connecting the first part of the space with the outlet end of the superheater.

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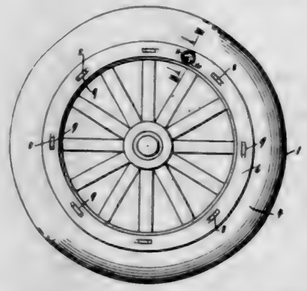
1,560,756. LOCKING RING FOR SEPARABLE RIMS. THOMAS D. BRYAN, Linden, Calif. Filed Aug. 8, 1922. Serial No. 580,461. 1 Claim. (Cl. 152—21.)



Locking means for an annular element separably disposed on a felloe, comprising a ring, slanting means associated with the felloe adapted to engage the ring and means for imparting rotary motion to the ring relative to the felloe, comprising a transverse pin rotatable in the felloe having a cam thereon engaging a slot in the ring and a nut threadedly engaging the pin adapted to bear on the margin defining the slot for holding the cam in its active position.

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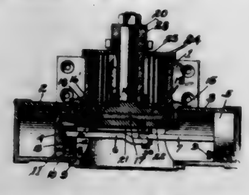
1,560,757. DOOR CHECK AND CLOSER. ALDEN J. BUSH, Columbus, Ohio. Filed Oct. 6, 1924. Serial No. 741,796. 5 Claims. (Cl. 16—70.)



1. In a structure of the character described, the combination of a movable closure with a braking device for same, the combination of an oscillating member controlled by said closure, with a connector mounted on said oscillating member capable of having a limited movement relatively to said member, pneumatic means for retarding

the movement of said connector to cause it to have a relative movement to said oscillating member, a stop device for preventing the retardation of said connector during the movement of the movable device in one direction, while permitting a retardation during the movement of the movable device in the opposite direction.

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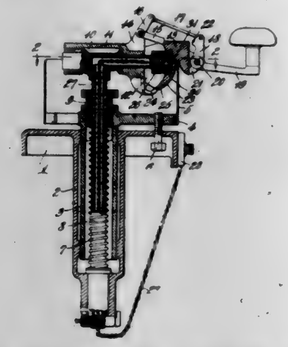
1,560,758. ELECTRICAL HEATING MEANS FOR COLLAR SHAPERS. EMIL J. CARROLL, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a Corporation of Ohio. Filed Nov. 10, 1919. Serial No. 336,938. 5 Claims. (Cl. 68—9.)



3. A collar shaper, comprising a collar mold member, a support, an ironing member movable with said support to traverse the mold member, and also movable relative to said support toward and away from the mold member, and heating means for said ironing member, comprising a primary coil carried by and stationary with respect to said support and connected to a source of current, and a movably mounted secondary member movable with said ironing member.

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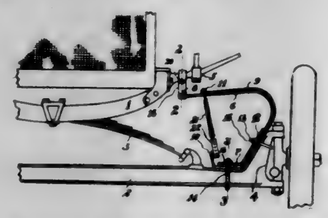
1,560,759. SPRING SUSPENSION FOR FORD CARS AND TRUCKS. PAUL DAVID CHAMBERLAIN, Fairbank, Ontario, Canada. Filed Nov. 28, 1924. Serial No. 752,820. 5 Claims. (Cl. 267—28.)



1. In a device of the class described, the combination with the frame and the axle of the chassis, of a pair of contiguously arranged leaf-springs, means for rigidly connecting one of their ends to said axle, means for connecting the other end of the lowermost leaf to the frame, and a coil spring for exerting downward pressure upon the free end of the uppermost spring.

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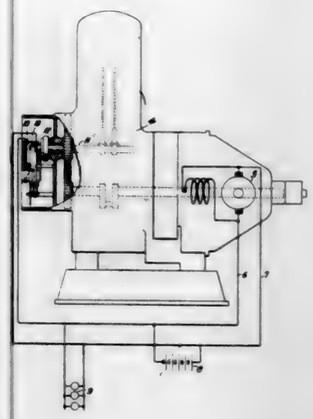
1,560,760. ENGINE-CONTROL MEANS. MERLE PEABODY CHAPLIN, White Plains, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 26, 1922. Serial No. 596,938. 5 Claims. (Cl. 290—41.)

1. A prime mover, a dynamo electric machine driven thereby, a timer for the prime mover, means actuated by the shaft of the prime mover for imparting an advance or retard movement to said timer and an electro-



magnet for controlling the extent of movement of said timer, said electro magnet being controlled by the voltage generated.

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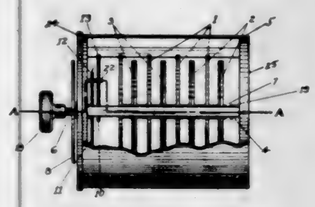
1,560,761. VARIABLE CONDENSER. LOUIS COHEN, Washington, D. C. Filed June 5, 1922. Serial No. 565,920. 5 Claims. (Cl. 250—412.)



1. A variable condenser comprising a plurality of fixed plates, and a plurality of movable plates, said movable plates being mounted on an interiorly screw-threaded sleeve and engaging a threaded shaft, the rotation of said shaft being adapted to reciprocate vertically said movable plates, and thereby effect various desired degrees of separation between said movable and fixed plates of said variable condenser, said stationary plates being provided at their peripheries with spacing and supporting members.

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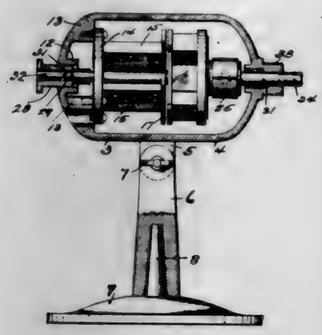
1,560,762. ELECTRIC MOTOR. GEORGE B. COLEMAN, San Francisco, Calif., assignor to Majik Electric Appliance Company, San Francisco, Calif., a Corporation of California. Filed July 2, 1921. Serial No. 482,096. 3 Claims. (Cl. 172—36.)

1. In a dynamo electric machine, a magnetic core structure comprising a plurality of laminations and a



support for the laminations having an aperture through which the laminations extend, the extended portions of



the laminations being upset so that the edges of the laminations firmly engage the inner surface of the aperture and surfaces adjacent thereto.

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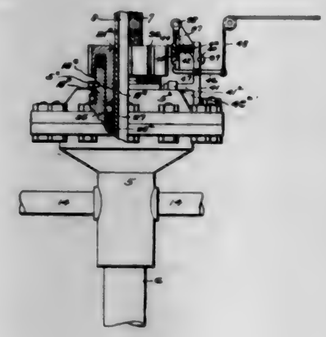
1,560,763. PACKING HEAD AND BLOW-OUT PREVENTER FOR ROTARY-TYPE WELL-DRILLING APPARATUS. FRANK M. COLLINS, Oilfields, Calif. Filed Jan. 27, 1925. Serial No. 5,083. 8 Claims. (Cl. 166—14.)



1. The combination with a swivel rotative head adapted to have a kelly passed therethrough, of a fixed body in which said swivel is mounted for rotation, a packing element engaged externally of the kelly, a packing gland having threaded engagement with the swivel and normally rotating therewith and means for holding said gland against rotation.

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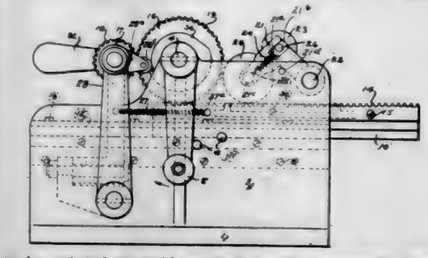
1,560,764. PRINTING MACHINE. JOHN G. COLLISON, WALTER N. FRANK, and HARRY M. FILBERT, Dayton, Ohio, assignors, by mesne assignments, to The Groian Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 30, 1922. Serial No. 548,201. 10 Claims. (Cl. 101—36.)

1. In combination, a type bed carrying type, means for inking said type, means for passing said type bed beneath a yielding impression roller, a support containing a member to be printed, means for holding said member



to be printed on said support, means constantly urging said holding means against the member to be printed, and a handle to operate said holding means.

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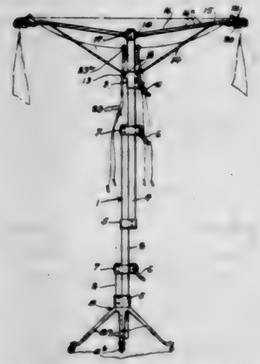
1,560,765. PAPER-HANGING DEVICE. JOHN COYLE, Everson, Pa., assignor of one-half to Abraham Cohen, Connellsville, Pa. Filed Feb. 20, 1925. Serial No. 10,630. 5 Claims. (Cl. 216—4.)



1. In a device for hanging wall paper, a standard, paper receiving and supporting rolls positioned at opposite sides of the standard, and means for supporting the rollers and for detachably securing the same to the standard independently of each other.

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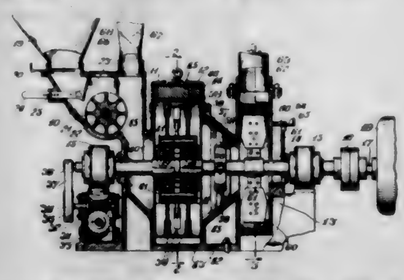
1,560,766. REVERSIBLE MILL. JOE CRITES, Evanston, Ill., assignor to Raymond Brothers Impact Pulverizer Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 6, 1924. Serial No. 697,893. 19 Claims. (Cl. 83—11.)



1. A pulverising mill of the impact type which is reversible without adjustment or replacement of any of the rotary parts, comprising a chamber, a shaft therein, and means operative by the shaft rotating in either di-

rection for positively feeding to the chamber the material to be pulverized, for pulverizing the material, and for delivering the material from the chamber.

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1,560,767. VANITY CASE. CECILE E. CROSWHITE, Kansas City, Mo. Filed May 22, 1925. Serial No. 32,038. 1 Claim. (Cl. 132—83.)

In a vanity case, two boxes hinged to each other, one being adapted to form a cover for the other, a mirror mounted in one of the boxes against the bottom thereof, and a plate disposed parallel with and against the mirror and having an observation opening registering with said mirror, and having at one edge two U-shaped arms adapted to receive between them and to hold releasably a comb, said plate being attached to the box in which it is located.

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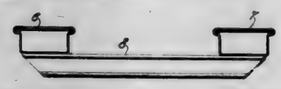
1,560,768. TELEPHONE SET. ALFRED S. CURTIS, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 24, 1920. Serial No. 433,008. 16 Claims. (Cl. 179—103.)



2. A unitary structure comprising transmitting and receiving members, and a support therefor, said support having a frequency of fundamental mode of vibration exceeding approximately 1000 cycles per second.

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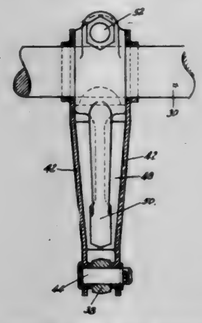
1,560,769. BRAKE-APPLYING CONNECTION. ADIEL Y. DODGE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed July 16, 1925. Serial No. 43,956. 12 Claims. (Cl. 74—5.)



1. A vehicle having brakes and operating connections including a rockshaft and an operating lever, and comprising, in combination therewith, an arm secured to and projecting from the rockshaft, a channel-shaped operating member having side parts pivotally mounted and arranged on opposite sides of the arm and having a part connecting the side parts and engageable with the arm to operate it, the side parts of the channel-shaped member embracing the arm between them, and a tension element connecting the operating member and the operating lever.

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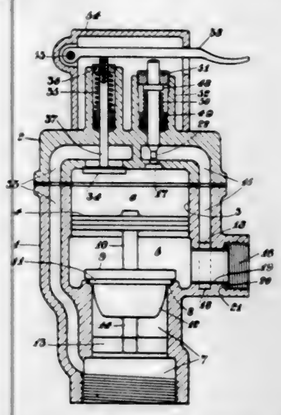
1,560,770. ADJUSTABLE SELF-CLOSING VALVE. JOHAN GUNNAR EVERSTAM, Sundsvall, Sweden. Filed Dec. 15, 1924. Serial No. 755,917. 7 Claims. (Cl. 137—139.)



1. A flush valve having a casing member, an inlet to said casing, an outlet from said casing, a valve body controlling the direct flow of fluid from the inlet to the outlet, two chambers in said casing, a movable partition separating said chambers and connected with said valve body, one of said chambers being in direct communication with said inlet, a passage for the supply of liquid from said inlet to the other of said chambers, a constriction in said passage, a needle valve adjustable from the outside of said casing for controlling said constriction, said needle valve being movable into said constriction, a spring tending to retract said needle valve from said constriction, a stop for said needle valve, and a normally closed valve controlled passage for the discharge of fluid from said second chamber to the outlet.

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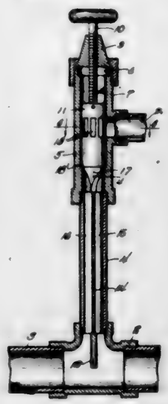
1,560,771. COMBINATION VALVE. JOHN FEICHTER, Chicago, Ill. Filed June 25, 1924. Serial No. 722,233. 16 Claims. (Cl. 251—75.)



1. In a valve of the type described adapted to be interposed in a pipe connection between a heat supply



line and a radiator comprising a casing, a valve gate movable in said casing and adapted to be in operable position when moved between the connecting points of said pipe connection, and means for establishing an independent two-way circulation of the heating fluid through said radiator and said valve gate.

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1,560,772. PACKING MATERIAL FOR UPHOLSTERY. DEL ROY F. FOWLER, Melrose Park, Pa. Filed Oct. 14, 1924. Serial No. 743,515. 2 Claims. (Cl. 154—54.)

1. A packing for use in stuffing upholstery consisting of a strip of paper in combination with a strip of fibrous batting folded around the paper strip and with one edge folded over the other and a layer of glue directly securing the outer edge of the folded bat to the underlying bat layer and permeating both bat layers.

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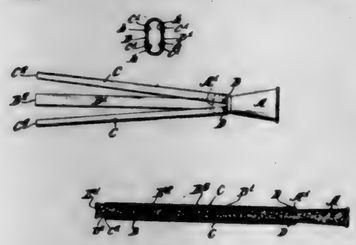
1,560,773. TOOL FOR FILLING UPHOLSTERY POCKETS. DEL ROY F. FOWLER, Melrose Park, Pa. Filed Apr. 28, 1925. Serial No. 26,394. 2 Claims. (Cl. 226—44.)



1. A tool for filling upholstery pockets comprising a tubular base, non-overlapping trough shaped sections pivotally attached to said base at one end so as to swing towards or away from each other and tongue sections attached to the base and extending below and between the edges of the trough shaped sections to form with said trough shaped sections an enclosure for the bat of stuffing material when the trough shaped sections are moved together.

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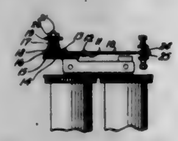
1,560,774. RELAY. JOHN S. GARVIN, Bogota, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1923. Serial No. 682,889. 9 Claims. (Cl. 200—90.)



1. In an electromagnetic device, a mounting plate, an armature having a knife edge pivot, a flexible conducting hinge for said armature secured thereto and to said mounting plate, and an armature adjusting spring co-operating with said mounting plate and said armature.

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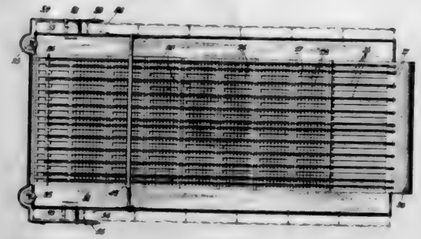
1,560,775. AERIAL LANDING AND LAUNCHING APPARATUS. RICHARD GIBBONS, Brooklyn, N. Y., assignor to Mary A. Kenney, Brooklyn, N. Y. Filed Jan. 30, 1924. Serial No. 689,444. 12 Claims. (Cl. 244—2.)



1. An apparatus for landing or launching aerial vehicles comprising a table-like platform honeycombed to permit air to pass substantially uniformly through different areas thereof, and air blowers acting upon the space beneath said platform to withdraw air from upper side of the platform to the lower.

5. An apparatus for landing or launching aerial vehicles comprising a platform providing a runway adapted to receive a vehicle, a barrier member disposed adjacent the far end of the runway, and normally held out of vehicle obstructing position, together with means actuated by the movement of the vehicle past a predetermined point on said runway for permitting said barrier member to move into vehicle obstructing position.

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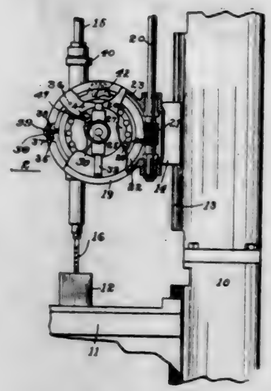
1,560,776. CLUTCH FOR POWER FEED. ALBERT J. GIFFORD, Shrewsbury, and BENJAMIN S. T. BISHOP, Worcester, Mass., assignors to Leland-Gifford Company, a Corporation of Massachusetts. Filed Oct. 30, 1922. Serial No. 597,717. 9 Claims. (Cl. 77—33.)

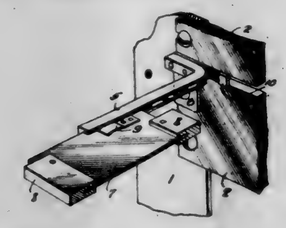


1. In a roller clutch having a spider for operating the rollers to set and release the clutch, the combination with the spider, rollers, clutch members and driving and driven elements, of yielding means for turning the driven element backwardly, a pin having an angular edge, a lever having a similar edge for co-operating with the pin, one of the last named elements being mounted to move with the driven element and the other with the spider, and yielding means for holding said two annular edges in contact at one side of the apex thereof but permitting them to be forced by each other upon the application of sufficient force.

1,560,777. ATTACHABLE INDICATOR FOR FUSES. JOHN B. GLOWACKI, Chicago, Ill. Filed Mar. 9, 1922. Serial No. 542,254. 5 Claims. (Cl. 200—121.)

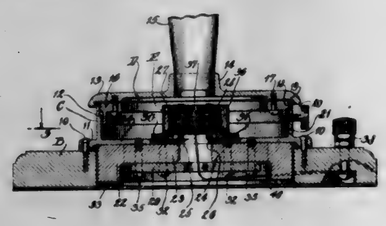
1. A fuse cartridge, a cylindrical tubular boss thereon, a tubular member seated on said boss, a dome-shaped closure at the end of said tubular member and having a perforation therein, a flange on said boss against which said tubular member abuts, and a shoulder on said boss, the portion of said boss at one side of said shoulder contacting with said tubular member and the portion of said boss on the other side of said shoulder being spaced away from said tubular member, said boss having openings into the interior of said tubular member and into the interior of said cartridge.

1,560,778. ANTIINDUCTION DEVICE. FREDERICK M. GODDARD, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1921. Serial No. 502,427. 5 Claims. (Cl. 175—298.)



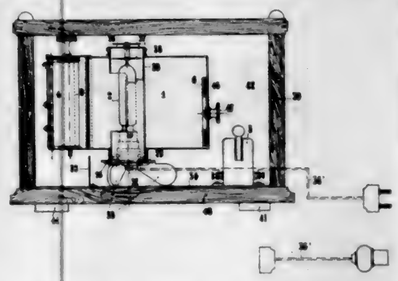
1. An apparatus rack comprising standards, apparatus mounting plates secured to said standards, rows of apparatus mounted on said plates, channels mounted on said standards between said plates, and shields arranged to slide in said channels so as to be interposed between adjacent rows of said apparatus.

1,560,779. RADIO LOUD-SPEAKING RECEIVER. PAUL S. GRIMASON, South Orange, N. J., assignor to Charles Cory & Son, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 6, 1922. Serial No. 586,456. 7 Claims. (Cl. 179—115.)



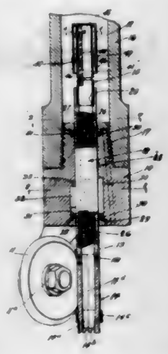
2. In a radio loud speaking receiver, a support, a weighting magnet member carried thereby and arranged thereon to provide a low center of gravity for the receiver, an electromagnet carried by said member, the said member providing magnet poles for the electromagnet, and a diaphragm associated with said electromagnet.

1,560,780. APPARATUS FOR EXAMINING KEENNESS OF VISION AND THE CHROMATIC OR COLOR SENSE. EMILE GUÉRIN, Paris, France. Filed Sept. 18, 1923. Serial No. 663,473. 5 Claims. (Cl. 88—20.)



1. Apparatus for testing the visual acuity and chromatic sense comprising, a luminous source consisting of a box movable around an electric lamp serving as a pivot and taking up two positions at 180°, according as to whether it is a question of proceeding to examine the visual acuity or the keenness of the chromatic sense, and an optometric translucent ribbon wound on a system of rollers located at one end of the said box.

1,560,781. DEVICE FOR TAKING CORE SAMPLES IN ROTARY DRILLING. HARDY H. HAIR, Newport Beach, and CHASE E. SUTTON, Los Angeles, Calif. Filed Apr. 11, 1923. Serial No. 631,287. 8 Claims. (Cl. 255—71.)

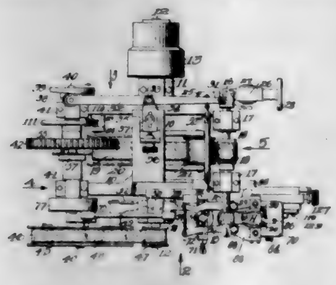


1. In combination with a rotary drilling bit, a core taking barrel centrally mounted in the bit, the barrel including a section that extends vertically through the bit from its lower surface to its upper surface, and means for holding the barrel in place including nuts threaded on the barrel and bearing on the upper and lower surface of the bit.

1,560,782. HEEL-SHAPING MACHINE. WALTER H. HALL, Winchendon, Mass., assignor to Goodspeed Machine Company, a Corporation of Massachusetts. Filed Oct. 23, 1922. Serial No. 596,194. 12 Claims. (Cl. 12—46.)

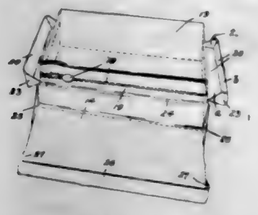
1. A heel seat shaping machine comprising a cutter shaft, a cutter thereon, means to rotate said shaft and cutter, a heel clamping device, means to reciprocate said clamping device, and means to reciprocate said





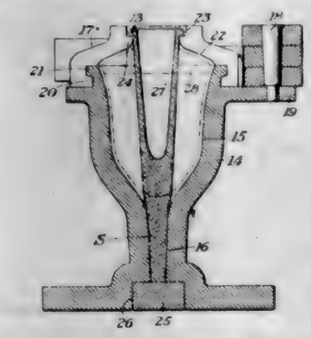
cutter shaft transversely to the path of movement of said clamping device and heel.

1,560,783. TRAVELING-CASE COVER. ABRAHAM HALPIN, New York, N. Y. Filed Oct. 24, 1924. Serial No. 745,546. 6 Claims. (Cl. 150—52.)



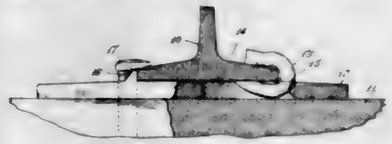
1. The herein described traveling case cover comprising a main body portion to receive the main body of the traveling case, a pair of end flaps of trough formation hingedly connected to the end portions of the main body of the cover and adapted to overlie the end corners of the traveling case lid, and a top panel hingedly connected to the main body along that portion thereof remote from the hinge line of the case lid and having at its free edge a self-holding locking flange having snug slidable holding fit against the bottom of the structure whereby the entire cover is held in place.

1,560,784. MANUFACTURE OF GLASSWARE. DE WITT C. HAMILTON, Sapulpa, Okla., assignor to The Bartlett-Collins Glass Company, Sapulpa, Okla., a Corporation of Oklahoma. Filed July 16, 1924. Serial No. 726,307. 4 Claims. (Cl. 49—80.)



1. The method of making a stemmed article of glassware, comprising placing a charge of molten glass in the cavity of a blank forming mold, inserting a plunger into said cavity to form the bowl portion of the blank having an integral stem depending therefrom, withdrawing the plunger, removing the blank from the forming mold and placing it in a one-pice blowing mold, and blowing the bowl portion of the blank into the desired form, substantially as described.

1,560,785. RAIL ANCHOR. PERRY H. HAMILTON, Mount Washington, Md., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed July 19, 1924. Serial No. 726,995. 3 Claims. (Cl. 238—304.)

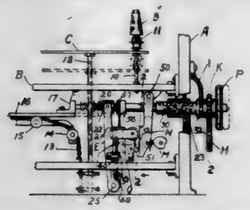


1. A rail anchor comprising a clip formed from a metal bar bent upon itself to provide spaced portions adapted to be driven into gripping engagement with the upper and lower surfaces of the base flange of a rail at one side of the rail, and a plate interposed between the rail and the cross tie and provided with a slot extending transversely of the rail for the reception of the lower end portion of the clip, the arrangement being such that the clip has a substantially snug fit in the slot longitudinally of the rail and that the outer face of the slot is adapted by engagement with the outer face of the clip to hold the clip in its operative gripping position on said flange.

1,560,786. BASKET-MOUNTING STONE-SETTING TOOL. EMBRIK HANSON, Appleton, Minn. Filed Aug. 18, 1924. Serial No. 731,745. 1 Claim. (Cl. 77—58.)

A jeweler's tool comprising a cylindrical member having a longitudinal slot extending for the major portion thereof, said cylindrical member having a longitudinal slot in the lower portion thereof disposed at substantially right angles to the aforementioned slot, a cutter blade removably supported in the first mentioned slot, means for limiting the longitudinal movement of the blade in said slot, a sleeve fitting over the lower portion of the cylindrical member, said sleeve having registering openings provided therein, one of the openings being threaded, a fastening screw extending through one pair of registering openings and through the longitudinal slot provided in the lower portion of the cylindrical member and the blade in the latter, and adjusting screws carried by the sleeve and adapted for cooperation with the opposite side edges of the cutter blade for adjusting the cutting edge of the blade laterally with respect to the cylindrical member.

1,560,787. LIFTER MOTION FOR CAP-SPINNING FRAMES. JOSEPH HEAPS, Methuen, Mass., assignor to George M. Arragg, Lawrence, Mass. Filed Apr. 1, 1922. Serial No. 548,729. 2 Claims. (Cl. 242—43.7.)



1. In a Scaife builder motion for spinning frames: the combination with a motion screw having a shoulder beyond which its threads extend; of a long lever; a motion nut through which the motion screw threads pass, carried by the free end of said long lever; a monkey slidable on said long lever; a revoluble member loose on the threads of said motion screw and revoluble therewith, only when engaged by the shoulder; and a connecting member which at all times extends between said monkey and said revoluble member and which moves the monkey when the revoluble member revolves.

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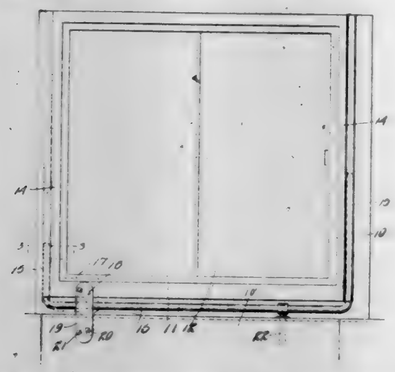
1,560,788. CONNECTING MEANS FOR TWO-PART AUTOMOBILE DOORS. MATTHEW R. HULL, Connersville, Ind., assignor to Rex Manufacturing Company, Connersville, Ind., a Corporation of Indiana. Filed Mar. 29, 1924. Serial No. 702,956. 5 Claims. (Cl. 296—45.)



5. In a demountable door, a permanent lower section, a demountable upper section having sockets adjacent opposite sides, a connector having a resilient body with ends adapted to fit in said sockets said ends normally lying in diverging planes intersecting in said body and means for securing the upper section to the lower section whereby the free or closing side of the upper section is biased toward closing position, substantially as set forth.

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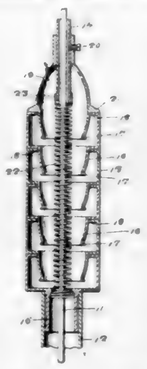
1,560,789. HOSE HOLDER. LEE H. JOHNSON, Luverne, Minn., and HERBERT E. RUPP, Mansfield, Ohio, assignors, by mesne assignments, to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Filed Mar. 25, 1922. Serial No. 546,858. 10 Claims. (Cl. 299—77.)

1. In a hose holder, a standard including a series of cup-shaped members, and means connecting said members to permit their relative tensioned movement, said cup-shaped members being each formed with an upper inwardly extending plane flange, and with an intermediate inwardly extending plane flange, the cup-shaped members being arranged in superimposed relation with the intermediate flange of one resting directly on the upper flange of the immediately underlying member, the cooperation of such flanges supporting the members in normal position.



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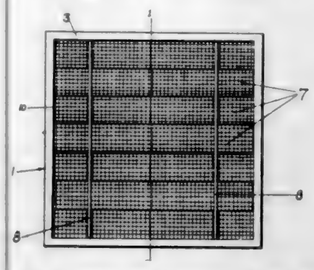
1,560,790. AIR FILTER. ANDERS JORDAHL, New York, N. Y. Filed May 10, 1924. Serial No. 712,280. 4 Claims. (Cl. 183—44.)



1. An air filter comprising a frame; a screen-like plate in said frame; a plurality of mats in said frame and against said plates; and a plurality of bars in said frame for securing said mats in place.

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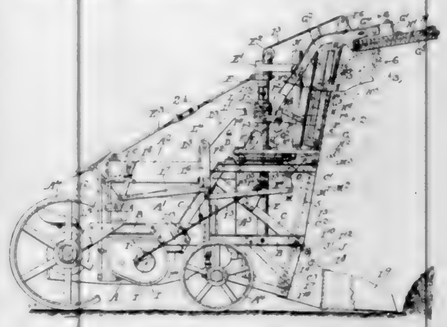
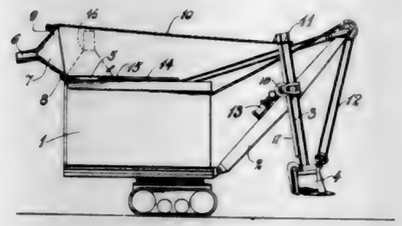
1,560,791. SHOVEL. WILLIAM C. ANTHONY, Streator, Ill., assignor to Anthony Company, Streator, Ill., a Corporation of Illinois. Filed Nov. 10, 1924. Serial No. 748,806. 19 Claims. (Cl. 37—126.)



1. In combination in a hoisting shovel, a shovel frame, a bucket adapted to move thereinlong, means for moving the bucket and means for swinging the frame laterally.



1,560,792. PORTABLE ENGINE. SVANTE R. W. M. BAGER, South Milwaukee, and MITCHELL L. FYKSE, Milwaukee, Wis., assignors to Bucyrus Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 26, 1922. Serial No. 584,592. 10 Claims. (Cl. 214—1.)



1. In a portable engine, the combination of a boiler; a smoke box above said boiler; a smoke conveyor; a hinge connecting said smoke-conveyor to one side of said smoke-box; power-actuated means for raising and lowering said smoke-conveyor about said hinge, said power-actuated means including a flexible member; and a pivoted strut for changing the direction of pull in said flexible member.

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1,560,793. HEADLIGHT LENS. JOHN M. DUNLEA, Los Angeles, Calif. Filed Aug. 13, 1923. Serial No. 657,056. 2 Claims. (Cl. 240—48.4.)

1. A headlight lens having a front plane surface, a rear surface comprising two groups of horizontal prisms, the lower group being disposed with their bases downwardly and having progressive refractive power downwardly, the upper group being disposed with their bases upwardly and having progressive refractive power upwardly and vertically disposed cylindrical prisms on said rear surface.

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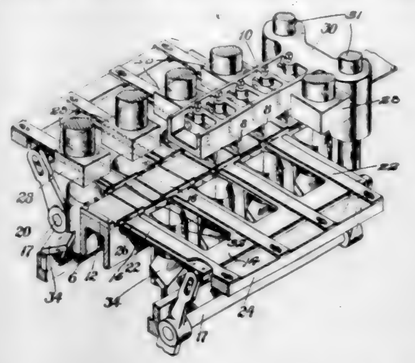
1,560,794. MACHINE AND METHOD APPLICABLE TO THE CUTTING OF SHEET MATERIAL. FREDERICK M. FURBER, Beachmont, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 10, 1919, Serial No. 281,848. Renewed Nov. 15, 1922. Serial No. 601,179. 46 Claims. (Cl. 164—17.)

1. In a cutting machine, a support for a pile of sheet material, means for cutting the sheets of material on the support to form sections from the sheet material, and means for feeding sections from the bottom of the pile between successive operations of said cutting means on material at the top of the same pile.

14. That improvement in methods of cutting blanks from sheet material which comprises cutting each sheet of material into sections or blanks in such manner as to leave the sections or blanks in the same plane as the original sheet, and simultaneously utilizing a sheet, cut or sectioned in the manner described during a preceding operation, as a cutting bed for a succeeding sheet undergoing cutting operations of the same character.



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1,560,795. METHOD OF MAKING MOLDED ARTICLES. FREDERICK M. FURBER, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 27, 1919. Serial No. 326,782. 15 Claims. (Cl. 12—146.)



1. That improvement in methods of making soles which comprises positioning a molded sole in operative relation to a cutting die, flattening said sole and cutting it partly through, superposing a molded sole upon said first sole, flattening the second sole and performing a second cutting operation in such manner as to complete cutting through the first sole and to cut the second sole partly through whereby the partially cut sole serves as a support for the sole subsequently to be cut, flattening and cutting each sole in turn so that each sole is cut peripherally to a predetermined size and contour.

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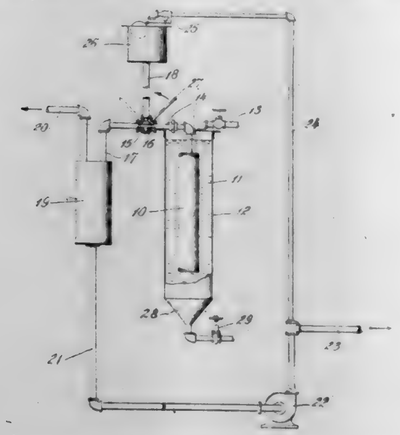
1,560,796. THICKENING PROCESS. ALBERT LEGRAND GENTER, Salt Lake City, Utah, assignor of one-half to General Engineering Company, Salt Lake City, Utah, a Corporation of Utah. Filed Jan. 2, 1924. Serial No. 683,890. 21 Claims. (Cl. 210—182.)

1. A continuous filtering and thickening process for hot liquid mixtures or liquid mixtures containing dissolved or absorbed gases and the like, wherein the mixture to be filtered and the filtrate are continuously in contact with opposite sides of a filter medium which comprises applying a reduced pressure to the filtrate side of the filter medium for a limited time only, that is, until the formation of a vapor or liberation of gas within the filtrate begins to appreciably reduce the space occupied by the liquid portion of the filtrate, and then applying a liquid countercurrent to the same side of the filter medium so as to reduce by consequent vapor condensa-

tion or gas reabsorption the vapor or gas space previously formed, and to exert a cleansing action on the other



side of the filter medium, said liquid countercurrent being applied in such manner that no air or the like enters the filtrate.

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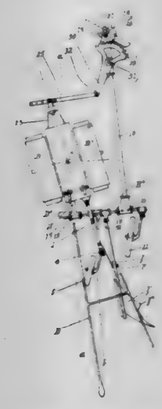
1,560,797. COMBINATION ANTISIDE DRAFT PLOW HITCH AND TRACTOR GUIDE. PAUL HANSMANN and HERMAN STRACK, Long Prairie, Minn., assignors, by mesne assignments, to said Paul Hansmann. Filed Dec. 21, 1920, Serial No. 432,241. Renewed Apr. 7, 1925. 12 Claims. (Cl. 97—49.)



1. In a plow hitch and tractor guide, the combination with a tractor, said tractor including oppositely disposed wheels mounted so as to be bodily revoluble about a central pivot point in a horizontal plane to steer the tractor; of a lever pivotally connected to the rear of the tractor and extending outwardly and forwardly along side of and a distance in advance of the tractor, a ground wheel support for said lever mounted at the forward end thereof so as to be revoluble bodily about a vertical axis in the plane of its axis of rotation, the plane of said ground wheel parallel with the planes of said tractor wheels when the tractor is traveling in a straight course, said ground wheel being positioned a distance outwardly away from the tractor, a plow positioned a distance to the rear of said lever and having pivotal connection with the latter at a position to enable the plow to cut a furrow adjacent the trail of said ground wheel, a caster wheel support for the rear of said lever, and mechanism operatively connected with the mounting of said bodily revoluble tractor wheels and of said ground wheel for communicating a revolving motion from one mounting to the other when either is bodily revolved.

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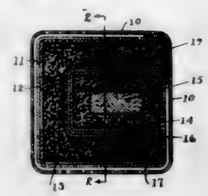
1,560,798. DRY-CELL BATTERY. JOHN HARRIS, Cleveland, Ohio, assignor to Charles M. Fulkerson, Cleveland, Ohio. Filed May 19, 1924. Serial No. 714,310. 1 Claim. (Cl. 136—38.)



In a single-cell dry battery, the combination of a cathode, an anode surrounding said cathode and consisting of a sheet of active material arranged in general spiral form, and a depolarizing mixture in which said cathode is embedded arranged in spiral form between the convolutions of the anode whereby the opposite sides of a portion of the anode are presented to said mixture and a continuous current path is provided between the cathode and all active surfaces of the anode.

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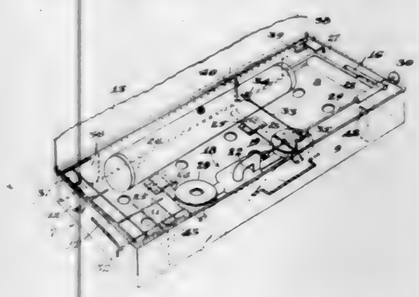
1,560,799. FOLDING STOVE. JOHN HIGHAM, Los Angeles, Calif., assignor to Arthur C. Higham, Los Angeles, Calif. Filed Nov. 4, 1924. Serial No. 747,793. 7 Claims. (Cl. 126—38.)



1. In a camp stove, a box-like housing, a fuel reservoir slidably carried by said housing and adapted to be positioned either interiorly or exteriorly thereof, a burner arranged in said housing connected to said reservoir, and a fuel feed conduit fixedly connected to said reservoir and burner.

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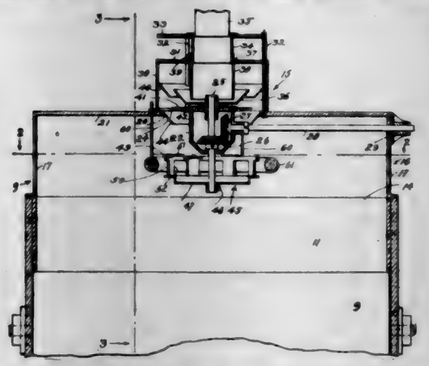
1,560,800. FEEDING AND DISTRIBUTING APPARATUS FOR ROLLER MILLS. ALBERT HOBERECHT, Los Angeles, Calif., assignor of one-half to Edward McKain, Los Angeles, Calif. Filed Sept. 13, 1922. Serial No. 587,918. Renewed Feb. 4, 1925. 9 Claims. (Cl. 83—44.)

1. In a feeding and distributing mechanism for roller mills, a rectangular housing having an opening therein,



two of the oppositely disposed walls of said housing being adjustable, a casing mounted over said opening, a stock



delivery spout connected with said casing, and a rotary grain distributing member disposed within said rectangular housing and below said delivery spout.

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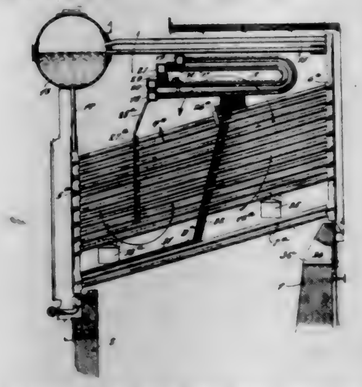
1,560,801. STEAM BOILER. DAVID S. JACOBUS, Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Sept. 19, 1919. Serial No. 324,817. 6 Claims. (Cl. 122—297.)



1. A boiler of the water tube type, comprising a bank of horizontally inclined tubes connected at their ends to water compartments, a steam and water drum above the bank connected to the end compartments, a lower group of tubes comprising a plurality of rows spaced apart from the main bank to give a chamber therebetween, the lower group of tubes being exposed to the furnace chamber beneath for substantially their entire length, a horizontally inclined roof baffle extending from the lower ends of the tubes above the lower group for a portion of the length of the tubes, a transverse baffle extending from the inner portion of said roof baffle forwardly and upwardly at an inclination to the vertical across the tubes of the main bank, the boiler having a down pass at the opposite side of said forwardly inclined transverse baffle.

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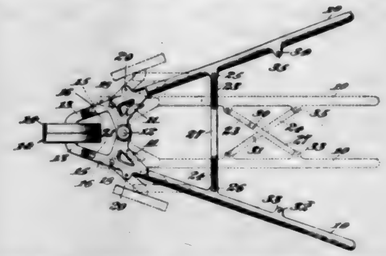
1,560,802. CONVERTIBLE VEHICLE. CLAS J. JULSTEDT, Bethlehem, Pa., assignor to Bethlehem Steel Company, a Corporation of Pennsylvania. Filed Oct. 23, 1923. Serial No. 670,263. 13 Claims. (Cl. 280—52.)

13. In a convertible vehicle, the combination of a pair of handle members pivotally connected together at one end, spacing means for obtaining two fixed relative positions of the handle members, swivel members pivotally connected to the handle members and having laterally-extending journal portions, wheels carried by the journal



portions, and means for fastening each swivel member in two positions with respect to its handle member spaced apart 180° minus the angle of movement of each handle member between the two positions thereof.

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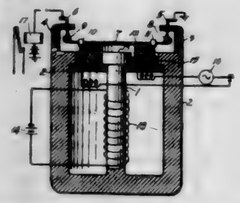
1,560,803. RELAY. DANIEL D. MILLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 6, 1924. Serial No. 736,381. 18 Claims. (Cl. 175—320.)



1. An electromagnet structure having a coil rigidly positioned in the polar field thereof, a second coil loosely positioned in the polar field thereof, and means comprising an alternating current source for energizing said first coil to cause said second coil to vibrate.

17. A relay comprising a closed magnetic core, an energizing winding interlinked with said core, a closed secondary winding interlinked with said core and contacts operated by said secondary winding.

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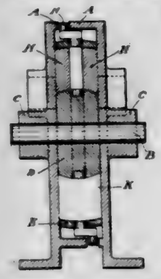
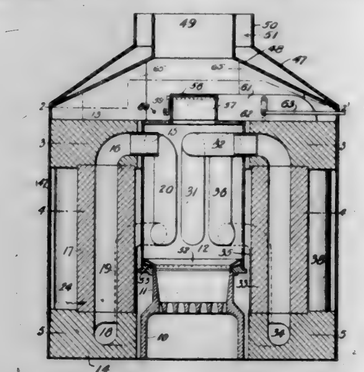
1,560,804. ROTARY PUMP OR MOTOR. GUSTAF FREDRIK KONRAD ROSÉN, Kalmar, Sweden. Filed July 12, 1923. Serial No. 651,116. 3 Claims. (Cl. 103—141.)



1. In a rotary pump or motor, the combination with an outer housing, of a rotor comprising a hub, an annular peripheral part and a central disk-shaped part connecting the hub and the annular part together, said peripheral part having an inner spherical surface and extending throughout the width of the interior of said housing, and working vanes carried by said rotor within said peripheral part and turnable about radially disposed

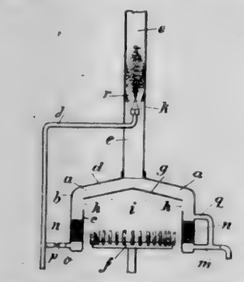
axes, the outer ends of said vanes being formed so as to correspond to the inner spherical surface of said peripheral part.

1,560,805. HEATING FURNACE. BROR MAX SCHAUMAN, Atlantic Highlands, N. J., assignor of one-fifth to Granden V. Johnson, one-fifth to Otto Gautschy, and one-fifth to Harry N. Johnson, all of Highlands, N. J., one-fifth to William Koch, of Long Branch, N. J., and one-fifth to Bror Max Schauman, Atlantic Highlands, N. J., an Association. Filed May 28, 1921, Serial No. 473,505. Renewed Feb. 5, 1925. 12 Claims. (Cl. 126—99.)



1. In a heating furnace, a combustion chamber, a heat exchanging body having a circuitous smoke passage therein connected with the combustion chamber, means for passing the medium to be heated about said heat exchanging body, and connections between different sections of the body reentrant into the combustion chamber.

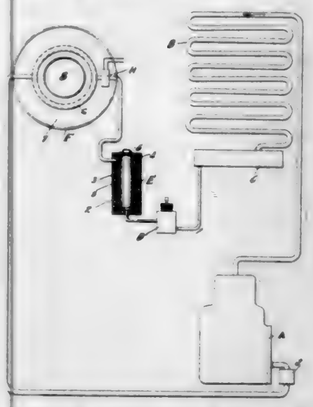
1,560,806. METHOD OF AND APPARATUS FOR HEATING WATER. ALBERT SCHÜCKHER, Vienna, Austria. Filed Nov. 13, 1922. Serial No. 600,734. 7 Claims. (Cl. 126—359.)



1. The method of heating water, which comprises causing hot combustion gases to flow upward through a mixing chamber having an elongated vertical portion of relatively small cross-section and discharging the water to be heated into said vertical portion of the mixing chamber in an upwardly directed spray, permitting the water to fall in counter-current to the combustion gases through said vertical portion of the mixing chamber, and collecting and drawing off the heating water, whereby heat of the combustion gases is transferred directly to the water and water vapor is condensed out of partially cooled gases by the water spray and the suction of the spray aids in the movement of the gases.

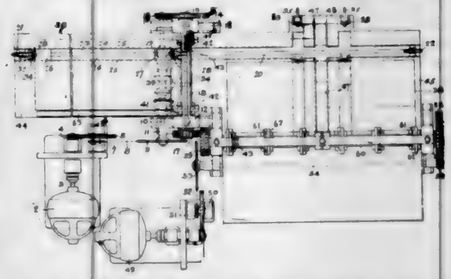
3. Apparatus for heating water, comprising means providing a combustion chamber, a lower mixing chamber extending about the sides of the combustion chamber and inward over the top thereof, said chambers being in communication through the side wall of the combustion chamber for the passage of combustion gases and the mixing chamber being extended downward to provide a hot water chamber, and a vertical passage of relatively great length and small cross-section extending upward from the lower mixing chamber and serving as a flue for the escape of the combustion gases and as an upper mixing chamber, an upwardly directed spray nozzle mounted within said passage, and a water connection for supplying water to said nozzle.

1,560,807. REFRIGERATOR SYSTEM. HAZOR J. SMITH, Springfield, Mass., assignor, by mesne assignments, of one-fourth to Willard Reid, Springfield, Mass., one-fourth to Alfred Buckley, jr., Providence R. I., and one-fourth to John W. Scott, Philadelphia, Pa. Filed June 5, 1920. Serial No. 386,884. Renewed Mar. 31, 1925. 2 Claims. (Cl. 62—4.)



1. In a household refrigerating machine of the type described, the combination of a compressor, a condenser, an automatic expansion valve, a brine tank, a brine cooling expansion drum within said tank, a freezing container interposed in the expansion line behind the expansion valve and ahead of the expansion drum, and means for controlling the operation of the compressor by the temperature of the brine tank regardless of whether the freezing container is in use or not.

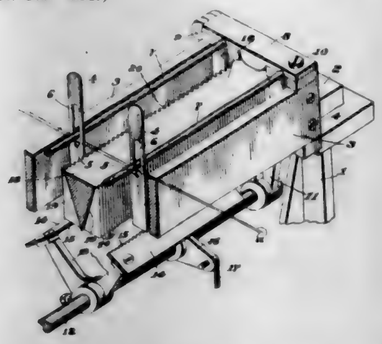
1,560,808. SHEARING MACHINE FOR METAL SHEETS. LAWRENCE C. STEELE, Pittsburgh, Pa. Filed Oct. 11, 1922. Serial No. 593,800. 8 Claims. (Cl. 164—62.)



1. In a machine for shearing sheets, plates, etc., the combination with a suitable frame, of an endless chain, means for advancing said chain and reversing same, clamping devices carried by said chain for clamping the opposite ends of the sheet to said chain, and cutters in the path of said sheet.

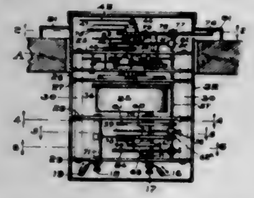


1,560,809. WARP-STOP MECHANISM FOR LOOMS. MELVIN L. STONE, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 21, 1925. Serial No. 44,988. 7 Claims. (Cl. 139—351.)



1. In a warp stop mechanism for looms, the combination of a series of drop wires normally supported by the warp threads during weaving, a drop wire indicating bar having a vertically inclined surface and outwardly extending portions to direct lateral movement of the drop wires, and a feeler adapted to engage an abnormally positioned drop wire on the occurrence of a warp fault and move it into contact with said vertically inclined surface to tilt the drop wire, and locate the warp fault.

1,560,810. TIME SWITCH. SELDEN L. STONE and ROY C. BRAENDLEIN, Indianapolis, Ind. Filed May 8, 1922. Serial No. 559,140. 7 Claims. (Cl. 200—35.)



1. In combination with a clock mechanism, means for indicating time, a contact finger mounted on support driven by the clock mechanism, a rotable cam for oscillating the contact finger, and means for changing the relative position of the cam and contact finger for varying the time of opening and closing a circuit, substantially as set forth.

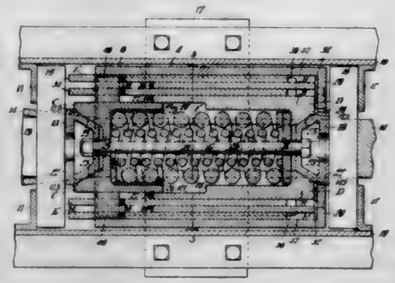
1,560,811. CONCRETE-CULVERT MOLD. THOMAS DE LA MARE, Tooele City, Utah. Filed Aug. 4, 1924. Serial No. 730,026. 8 Claims. (Cl. 25—131.5.)

1. A top mold for a culvert comprising inner and outer spaced walls to form a concrete receiving space between them, said walls being formed of detachably connected sections, the inner wall including three longitudinally extending inserts with uprights connected with the side edges thereof, the outer wall including transversely arranged sections connected at their lower ends by plates positioned on opposite faces thereof and bolted thereto.

1,560,812. HEADLIGHT ATTACHMENT. HARRY F. HANSEN, Washington, D. C. Filed Nov. 6, 1923. Serial No. 673,106. 3 Claims. (Cl. 240—48.4.)

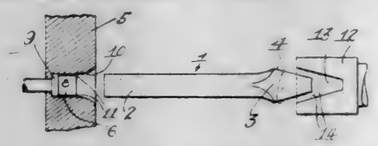
1. An attachment for vehicle headlights, comprising a pair of structurally-separate light-obstructing members, each in the form of a dihedral angle embodying a vertical wing and a horizontal wing and adapted to be removably positioned in the upper and lower portions of the reflector of a headlight in inverted relation, with their horizontal wings parallel and spaced apart to provide between them a diametral chamber into which the secure of light projects and the back and sides of which are formed by the wall of the reflector, the horizontal wings of the upper and lower members having light-reflecting and light-absorbing outer surfaces, respectively, substantially as described.

1,560,813. FRICTION SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed May 28, 1924. Serial No. 716,313. 5 Claims. (Cl. 213—33.)



1. In a friction shock absorbing mechanism, the combination with relatively movable front and rear followers; of a group of relatively movable, interrelated friction plates interposed between said followers, the corresponding ends of certain of said plates being normally spaced from one of said followers; a floating friction shell having a longitudinally disposed wall coacting with one side of said group of plates, said shell having one end normally slightly spaced from the other follower; front and rear friction wedge systems, disposed at the opposite side of said group of plates and coacting respectively with said followers, each system including a friction wedge shoe, said shoes having coacting friction surfaces; and a spring resistance interposed between said systems.

1,560,814. METHOD AND MEANS FOR FERRULING WOODEN SPOKES. CHARLES GILBERT HAWLEY, Chicago, Ill., assignor to Baker Wheel and Rim Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 27, 1920. Serial No. 406,289. 10 Claims. (Cl. 29—88.2.)



4. An apparatus for operating upon wooden spokes having mitered butt ends, comprising in combination means for holding a ferrule, means for receiving and engaging the mitered butt end of a spoke, and means for producing a relative endwise movement between said ferrule holding means and said butt end receiving and engaging means, said two last mentioned means acting during said relative movement to compress the mitered butt end to size and to tightly secure a ferrule around the other end of the spoke.

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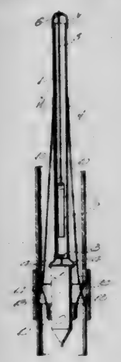
1,560,815. WELL TORPEDO. WILLIS A. HILL, Tulsa, Okla. Filed Mar. 9, 1925. Serial No. 14,196. 9 Claims. (Cl. 102—4.)



1. A device of the class described comprising a body provided with a line for lowering it into a well casing, self-projecting casing-engaging means for supporting said body in the well casing, and means for holding said supporting means against operation while lowering the device into the well casing, said holding means having a casing-engaging trip operative to release said holding means when an upward pull is exerted on the aforesaid line.

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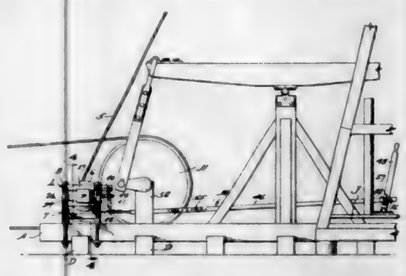
1,560,816. SAND-REEL, PEDESTAL AND CONTROL MECHANISM. THOMAS W. HOLLEY, Ranger, Tex. Filed Feb. 10, 1921. Serial No. 444,030. 3 Claims. (Cl. 308—59.)

1. A pedestal for sand reel comprising in combination, a pair of base bars arranged in parallel spaced apart relation and each having a longitudinally and a vertically disposed flange, said horizontal flanges provided with perforations adjacent their ends and said vertical flanges each provided with a series of perforations arranged longitudinally of the flange, a clamp bar for each base bar, said clamp bars provided with perforations aligned with said perforations in the horizontal flanges of said base bars, adjustable take up devices accommodated in the said aligned perforations of said clamp bars and base bars for clamping the base bars to the main sill of the ring, a bearing block, a frame receiving and guiding said bearing block and permitting movement thereof longitudinally of the frame, and means securing said frame to said base bars in adjusted position longitudinally



thereof, said means including elements passing through selected perforations in said vertical flanges of said base bars.

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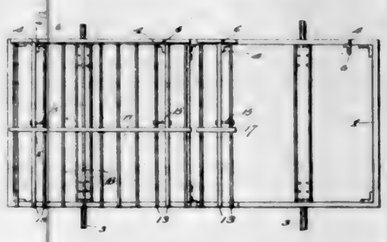
1,560,817. WOOD-DRYING APPARATUS. JOHN F. HOPE, Kansas City, Mo. Filed May 26, 1925. Serial No. 32,932. 7 Claims. (Cl. 105—160.5.)



2. The combination of a movable support, a set of standards rising from the rear part of the support and provided at their rear edges with spaced notches, and a series of superposed rectangular skeleton racks upon the movable support, each rack having parallel bars fitting at opposite sides of the standards, and its rear side adapted to fit in horizontally alined notches of the standards, and being slidable upwardly and back-and-forth on the standards and tiltable downwardly and rearwardly when slid back, to rest upon the underlying rack.

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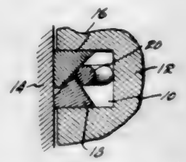
1,560,818. PISTON PACKING. WALLACE MATER HOULDSWORTH, Royal Oak, Mich. Filed May 19, 1924. Serial No. 714,281. 8 Claims. (Cl. 74—109.)



1. In piston packing, a piston having a groove for packing, a pair of expansible co-operating packing rings in said groove, said rings having conical meeting faces and conical inner faces, which conical inner faces form a groove on the inner periphery of the combined packing, said ring sections being of such cross-sectional area that when initially installed in the packing groove a slight annular gap exists between the conical meeting faces thereof, the ring sections adapted to wear within a limited period of use to close such gap.



1,560,819. SELF-BINDER KNOTTER. ELBERT ANSON HUFFMAN, Poncha Springs, Colo., assignor of one-half to Harry J. Beck, Salida, Colo. Filed Apr. 2, 1925. Serial No. 20,262. 2 Claims. (Cl. 289—11.)

1. In a knotter for self-binders of the type in which twine is looped around fingers of the knotter, and the twine ends then gripped by the fingers and drawn through the loop; a pair of fingers pivoted together and having longitudinal serrated-twine-gripping ribs on their inner sides, each of said fingers having edge portions projecting laterally from its rib, the inner sides of said laterally projecting edge portions of one finger being spaced from the corresponding portions of the other finger when said fingers are closed upon the twine ends, whereby to provide grooves in opposite sides of the knotter to receive said twine ends when the latter are pulled by the fingers through the twine loop around said fingers.

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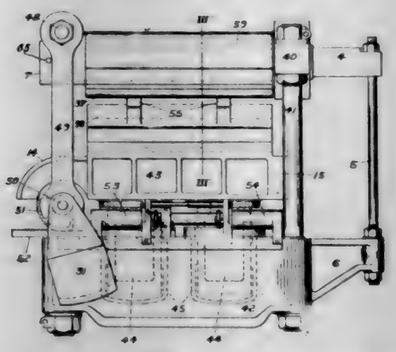
1,560,820. APPARATUS FOR WELDING METAL. PERCY E. HUNTER, Pittsburgh, Pa., assignor to Pittsburgh Annealing Box Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 2, 1923. Serial No. 629,257. 15 Claims. (Cl. 78—82.)



12. A welding machine consisting of a base provided with lifting mechanism, a cross-head thereon provided with a welding die, a superimposed anvil provided with a coacting die, means supporting one end of the anvil upwardly above the welding die, a pair of arms having an inner supporting and pivoting bolt journalled on the base and an outer cross bolt for engaging the other end of the anvil, a counterweight and a toothed segment secured on said bolt, a toothed rack bar engaging the segment, and fluid-actuated means for moving the rack bar back and forth.

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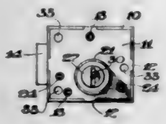
1,560,821. LOCK. EDWARD N. JACOBI, Milwaukee, Wis., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis., a Corporation of Delaware. Filed Oct. 9, 1920. Serial No. 415,741. 5 Claims. (Cl. 70—91.)



1. In a lock, a lock bolt, a rotatably mounted knob for moving the lock bolt, and a key-controlled lock barrel within the knob having a projection on its end eccentric thereto for blocking the movements of the lock bolt.

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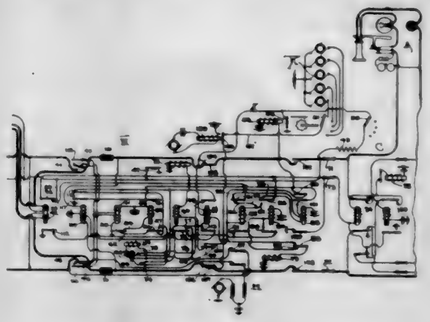
1,560,822. AUTOMATIC TELEPHONE SYSTEM. EMIL JACOBSEN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 11, 1918. Serial No. 216,452. 19 Claims. (Cl. 179—27.)



1. In a telephone system, a plurality of generators, each supplying current of different frequency, a party line, a plurality of stations on said party line each having a signal responsive to current from one of said generators, a switch for connecting with said party line, another switch individual to said first switch but having a separate wiper shaft, means for operating said other switch in response to one of the digits of the called number to select one of said generators, and for thereafter operating said first switch in response to a plurality of digits of said called number to connect said first switch with said party line and to apply the selected generator thereto for signaling one of the stations thereon.

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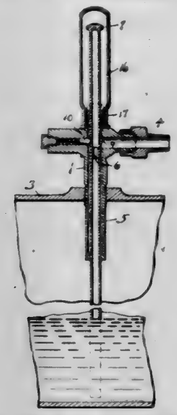
1,560,823. CONTROL DEVICE FOR LIQUID RECEPTACLES. LOUIS JARNICHEN, Detroit, Mich. Filed Sept. 21, 1923. Serial No. 664,186. 2 Claims. (Cl. 158—46.5.)

1. In combination with a receptacle, a tubular suction connection attached thereto in vertical position, a suction tube slidable in said connection and having an aperture intermediate its ends communicating with the interior of the connection, said connection forming a sliding joint at its lower end around said tube, a cap closing

the upper end of said connection, spring pressed means for holding the tube in its normal position and adapted



to extend across the path of said tube when that is entirely withdrawn, and a key controlled device to withdraw the pin from said path.

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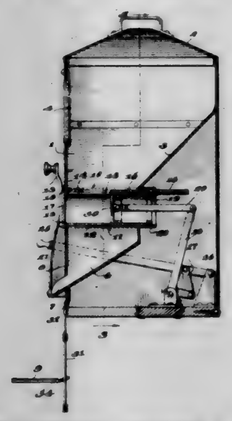
1,560,824. COMPUTING BIN. ISAAC S. KARRAZ and DOUGLAS V. BRIDWELL, Brinkley, Ark.; said Bridwell assignor to said Karraz. Filed Oct. 19, 1923. Serial No. 669,597. 8 Claims. (Cl. 221—107.)



1. Dispensing apparatus comprising a bin having a pair of openings in the front wall, a hopper situated within the bin, a chute in continuation thereof having a spout extending through the lowermost opening, a cylinder fixed within the bin having a pair of openings around which the hopper and chute are respectively joined, a measuring cylinder inserted through the other front wall opening and having bearing in said fixed cylinder, a disk forming part of said measuring cylinder having a rabbeted edge fitting said opening to prevent the escape of material, a handle fitted exteriorly of said disk in a position in alignment with an opening in the measuring cylinder thereby serving to indicate whether said opening is in a filling or discharging position in respect to either the hopper or chute, means carried by the measuring cylinder engaging the fixed cylinder preventing the withdrawal of the former, a plunger reciprocable in the measuring cylinder, a leaf carried by said plunger occupying the opening therein and causing the plunger to turn with the measuring cylinder and preventing material from falling thereinto in back of the plunger, and means for reciprocating the plunger including a lever, connecting means between the lever and plunger including a swivel connection, a marker carried by the lever, and a scale traversable by the marker.

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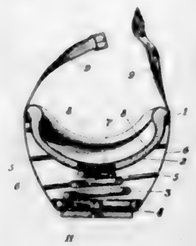
1,560,825. PROTECTIVE DEVICE FOR KNEES, ETC. LUDWIG KELTIČKA, Schles-Ostrau, Czechoslovakia. Filed Mar. 23, 1923. Serial No. 627,069. 3 Claims. (Cl. 2—24.)



1. A resilient protective device for the knee comprising an outer elastic covering, a support for the knee, a removable bottom plate, and a pair of spiral springs of conical convolutions within said body and between said support and said bottom plate, said springs being telescoped one within the other and each forming substantially a frusto-conical helix.

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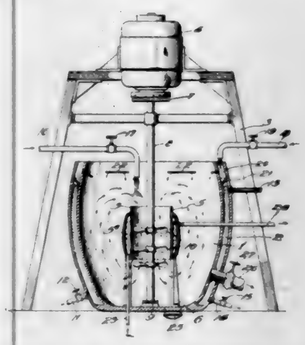
1,560,826. APPARATUS FOR MAKING BITUMINOUS EMULSION. LESTER KIRSCHBRAUN, Chicago, Ill. Filed Apr. 24, 1924. Serial No. 708,649. 3 Claims. (Cl. 259—7.)



1. In an apparatus for forming emulsions, the combination with an enlarged mixing chamber, of an open ended smaller conduit therein, agitating elements, hollow jackets around the chamber and conduit adapted to contain heating or cooling mediums, a closed annular trough within the outer jacket, inlet means communicating with said trough for introducing ingredients to be emulsified and communications between the trough and enlarged chamber, and withdrawing means for the finished emulsion.

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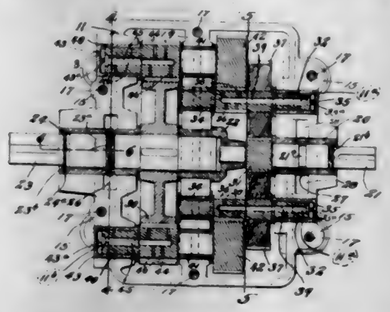
1,560,827. TRANSMISSION. GUSTAV KOMAREK, Chicago, Ill. Filed Mar. 14, 1922. Serial No. 543,709. 7 Claims. (Cl. 74—7.)

1. In a speed transmission, the combination of a closed housing substantially elliptical in cross section and having a plurality of oil compartments formed therein, a pair of axially aligned main shafts journaled in said housing, one of said shafts being provided with a gear and the other with a pinion, counter shafts journaled in said housing, a train of reduction gearing carried by said counter shafts and in driving engagement with said gear and said pinion, bearings for said counter shafts arranged in the end walls of said housing and having their outer ends closed, said counter shafts being pro-



vided with suitable passageways through which the oil is forced by means of said reduction gearings to said closed bearings, each of said closed bearings being provided with a discharge opening and the end walls of said housing being provided immediately below said discharge opening with inwardly disposed channels by means of which the oil is returned to the oil compartments.

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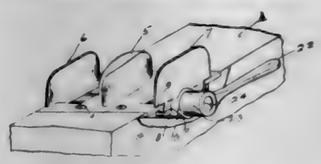
1,560,828. CLAMP FOR SLIDING WINDOWS. ANTON J. KOPP, San Francisco, Calif. Filed Aug. 13, 1924. Serial No. 731,753. 2 Claims. (Cl. 292—256.)



1. A clamp for sliding closures comprising a jaw plate to be attached to a member along which said closures are slidable, a fixed upright jaw carried by the body plate on opposite sides of which closures are adapted to engage, movable jaws slidable on opposite sides of and towards and away from the fixed jaw, said plate having recesses therein in which portions of the jaws are slidably engaged, laterally extending arcuate flanges on the lower portions of the jaws, having angularly directed upper ends, and track members on the under side of the plate slidably supporting said angular upper ends, ribs on the upper sides of said arcuate flanges, a rotatable member supported in the lower portions of the jaws and having right and left hand screw threads thereon engaging the said ribs, said member having its ends projecting outwardly beyond the outside of said movable jaws, an annular rib on said rotatable member separating said right and left hand screw threads, said plate having a depression in which said annular ribs engage and a handle attached to one end of said rotatable member.

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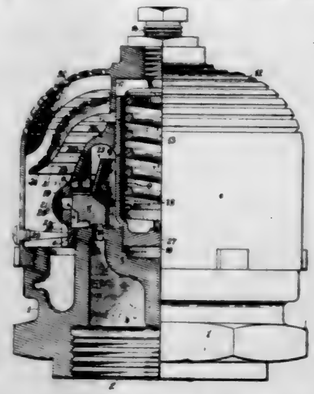
1,560,829. SAFETY VALVE. CHARLES F. KRAUT, Bridgeport, Conn. Filed Feb. 2, 1924. Serial No. 690,159. 6 Claims. (Cl. 137—53.)

3. In a safety valve of the character described, comprising a base having steam ports, a valve disc therefor, a valve seating member having a base, a valve spring having its lower end in ball contact with the base of



the valve seating member, said valve seating member having a circumferentially arranged valve disc guide in ball contact with the disc valve.

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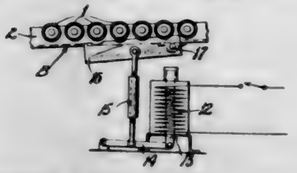
1,560,830. AUTOMATIC CONTROL FOR ROLLER CONVEYER SYSTEM. ALEXANDER S. LANGSDORF, St. Louis, Mo., assignor to Alvey Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 17, 1925. Serial No. 3,013. 3 Claims. (Cl. 193—35.)



1. A conveyer system comprising a main rollerway, a branch rollerway adapted to deliver articles to said main rollerway, a brake member adapted and arranged to be pressed against rollers of said branch rollerway adjacent to the main rollerway to prevent rotation thereof, electrical means for operating said brake and means controlled by an article on said main rollerway for actuating said brake operating means.

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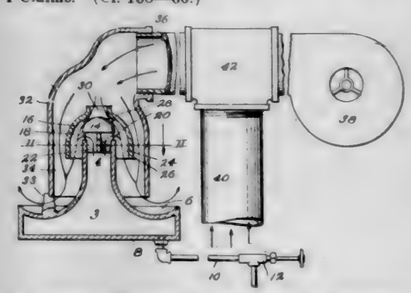
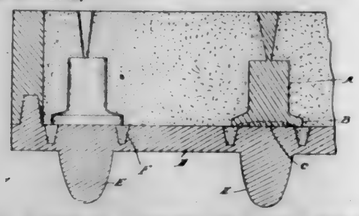
1,560,831. OIL BURNER. ROBERT E. LAUCK, Kansas City, Mo. Filed Nov. 6, 1924. Serial No. 748,167. 4 Claims. (Cl. 158—66.)



4. A burner consisting of a retort terminating at its upper end in a reduced neck, a deflector at the upper end of said neck, a dome extending over said deflector and provided with an air port, a hood extending over said dome, a primary air tube connected to said hood to supply the same with air, a blower connected to said

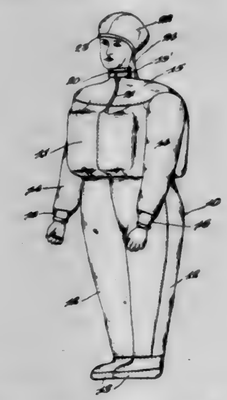
primary air tube, and a supplemental air tube connected to the primary air tube between the discharge end of the tube and the blower.

1,560,832. APPARATUS FOR FORMING VALVE TAPPETS AND THE LIKE. HARRY S. LEE, Plymouth, Mich., assignor to Merrill M. Wilcox, Saginaw, Mich. Filed Nov. 27, 1922. Serial No. 603,632. 4 Claims. (Cl. 22—174.)



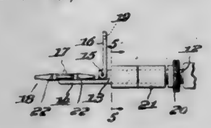
1. In a mold, an apparatus for forming disk-shaped tappets and the like having differentially hardened surfaces, comprising a flat chill plate forming one face of the mold cavity, said chill plate having a projection thereon, said projection greatest in depth opposite that portion of said tappet disk to which is imparted the greatest depth of chill, and of less depth opposite that part of said disk to which is imparted a lesser depth of chill.

1,560,833. LIFE-SAVING SUIT AND SUPPORT THEREFOR. PIERRE LEVESQUE, Chicago, Ill. Filed May 22, 1925. Serial No. 32,158. 5 Claims. (Cl. 9—20.)



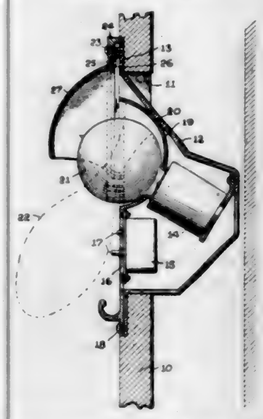
1. In combination, a garment of impervious elastic material and a supporting stand for suspending the same in upright position, comprising a frame, arm members movably mounted upon the frame, and means on said arm members engaging within a portion of the garment for holding the same distended.

1,560,834. TOOL HOLDER AND TOOL OR IMPLEMENT THEREFOR. GEORGE A. MCMENIMEN, Somerville, Mass. Filed Aug. 29, 1924. Serial No. 734,883. 4 Claims. (Cl. 7—16.)



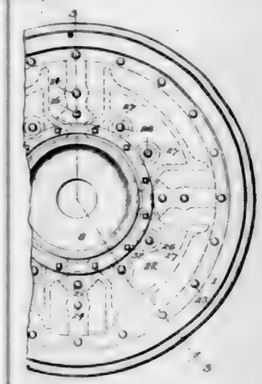
1. In a device of the class described, a shank having a threaded portion, a smooth portion, and a reduced end, said end having a pivot thereon to receive an implement; means coacting with said reduced end to retain an implement on said pivot, means to normally partially house said reduced end and said first means, and means to lock said second means in housing position.

1,560,835. BERTH-LIGHT CONSTRUCTION. EDWARD S. M. MACNAB, Montreal, Quebec, Canada, assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed May 13, 1920. Serial No. 380,971. 5 Claims. (Cl. 240—7.4.)



1. In the construction of berth lights and the like, in combination, a wall, an electric bulb formed to throw a maximum intensity of light in a predetermined direction and a lesser intensity of light in a direction substantially at right angles to said predetermined direction and mounted adjacent said wall, an inclined reflector adapted to reflect the light of maximum intensity from said bulb downwardly and outwardly with respect to said wall and a translucent diffusing member mounted to diffuse the light of lesser intensity from said bulb extending in an upwardly inclined direction from said bulb and out of the path of said downward light.

1,560,836. WHEEL. EDWIN C. MADDEN, New York, N. Y. Filed Jan. 4, 1924. Serial No. 684,390. 6 Claims. (Cl. 295—11.)

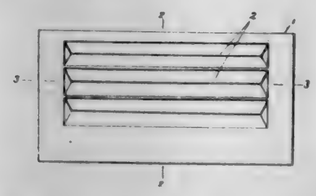


1. In a wheel in which transmission of vibrations is prevented and the tread of the wheel is cushioned, the combination of an inner wheel member provided with



a series of radially disposed U-shaped channels; an outer wheel member provided with a series of inwardly extending radial abutments, said latter members passing into the U-shaped members aforesaid and being free of contact with the walls thereof; and a plurality of cushioning elements positioned between the inner and outer elements, each of said elements comprising an arcuate section and inwardly extending elements which substantially fill the space between the side walls of the adjacent abutments while leaving a space between the inner end of the abutment and the bottom of the channel.

1,560,837. PALETTE. MICHAEL S. MASTRUKOFF, New York, N. Y. Filed Jan. 6, 1925. Serial No. 801. 1 Claim. (Cl. 41—5.)

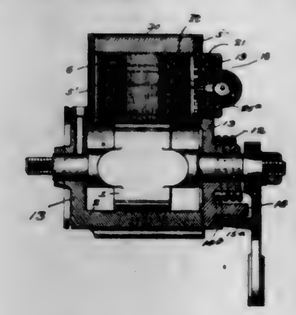


A palette of a substantially elongated rectangular form and provided with a plurality of parallel grooves extending lengthwise through said palette and terminating near its ends, each of said grooves forming a long and narrow trough from one end of said palette to the other and adapted to contain a coloring liquid.

1,560,838. COATING FOR METAL MOLDS. DANIEL H. MELOCHE, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Jan. 10, 1925. Serial No. 1,581. 3 Claims. (Cl. 22—180.)

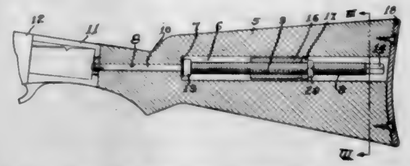
1. A wash for giving a protective coating to metal molds, comprising water containing a small quantity of "C" grade sodium silicate in solution and a relatively large quantity of a refractory powder in suspension.

1,560,839. MAGNETO. JOHN LEWIS MILTON, Louisville, Ky. Filed Jan. 12, 1921. Serial No. 436,740. 14 Claims. (Cl. 123—149.)



1. The combination of an electric generator provided with a stator and a rotor, and a mechanism for oscillating said rotor, in which a torsion spring constructed with free ends is supported by said stator, and the free ends engage a lug fixed on the stator; also, a lug on said oscillating mechanism so as to return said rotor to a predetermined position when moved away from same and released.

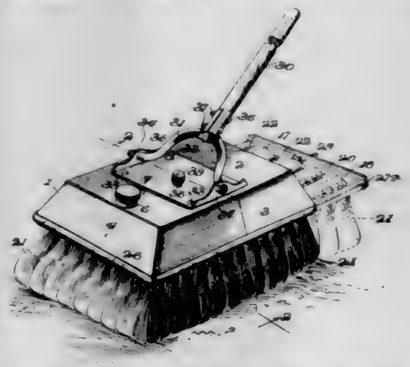
1,560,840. GUN. WILLIAM J. MOLLOY, Chicago, Ill. Filed Feb. 21, 1925. Serial No. 10,757. 5 Claims. (Cl. 42—71.)



1. A gun, of the character described, having a stock and a weighted body adjustable longitudinally of the stock while in said stock.

5. A gun, of the character described, having a barrel part provided with a tang projecting from the rear end thereof; a stock part having a longitudinal bore in line with said tang; a rod concentric with said bore and screwed into said tang to hold the parts together; a weight mounted on said rod and movable axially of said rod to adjustably balance the gun, and a butt plate covering said bore.

1,560,841. RESERVOIR MOP. LOIS H. NEARN, Tracy City, Tenn. Filed Nov. 1, 1924. Serial No. 747,345. 12 Claims. (Cl. 15—31.)



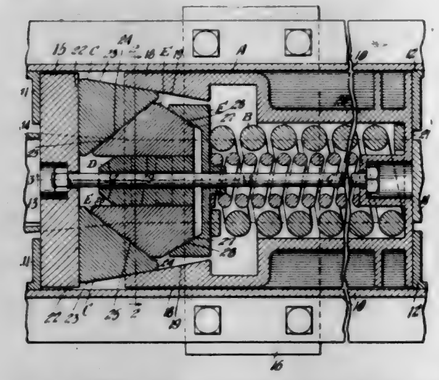
1. A device of the character described comprising a liquid reservoir, depending flanges carried thereby, a removable mop carrying tray supported by the flanges, a discharge orifice in the reservoir, means for controlling the same, and a distributor plate interposed between the discharge orifice and the mop tray whereby to distribute the liquid from the reservoir uniformly over the mop tray.

1,560,842. FROZEN CONFECTION AND METHOD OF MAKING THE SAME. WILLIAM L. NETTLESHIP, South Tacoma, Wash. Filed June 4, 1924. Serial No. 717,808. 6 Claims. (Cl. 99—16.)

1. The herein described method of producing a confection which consists in placing a flexible strip of material upon the bottom of a tray, covering the material with a partially frozen material to be formed into a confection, drawing one end of the flexible strip over the partially frozen material to roll said material into spiral form.

4. A frozen confection comprising a spirally wrapped layer of ice cream.

1,560,843. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Nov. 13, 1922. Serial No. 600,562. 5 Claims. (Cl. 213—26.)



1. In a friction shock absorbing mechanism, the combination with a friction shell having inwardly converged friction surfaces; of a spring resistance; an outer follower; a plurality of friction members cooperable with the shell, follower and each other, to produce a differential action of one character during a portion of the compression stroke; and means, operable during the balance of the compression stroke, for producing a differential action of a different character.

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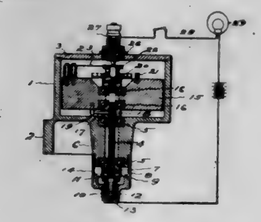
1,560,844. MEANS FOR OPERATING AUTOMOBILE SPEED SIGNALS. ALFRED W. OLDS, Windsor, Conn. Filed July 31, 1922. Serial No. 578,839. 3 Claims. (Cl. 200—52.)



1. Means for operating an automobile speed signal comprising a rotatory spindle adapted to be driven from the vehicle, a weighted member rotatably mounted on and adapted to be driven forwardly by the spindle but free to rotate ahead of the spindle due to its momentum when the rotation of the spindle is retarded, a spring connecting the weighted member and the spindle and tensioned to rotate the weighted member backward after it has run ahead of the spindle and its excess momentum has been exhausted, a fixed circuit terminal, a circuit contact, and means on the end of the spindle adapted to press said contact into engagement with said terminal when the weighted member due to its momentum rotates faster than the spindle.

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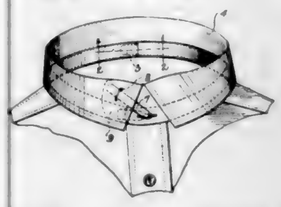
1,560,845. ALLOY. MELVIN E. PAGE, Muskegon, Mich. Filed Apr. 22, 1925. Serial No. 25,123. 2 Claims. (Cl. 75—1.)

1. An alloy composed of the following metals in substantially the following proportions: aluminum 93.20 per cent; gold 4.55 per cent; copper 2.25 per cent.

1,560,846. COLLAR-ATTACHING MEANS. JAMES J. PARIS, Chicago, Ill. Filed Mar. 24, 1924. Serial No. 701,280. 1 Claim. (Cl. 2—139.)



The combination with a shirt neckband, of a collar having an aperture in one of its flaps, and a securing tape sewed to the inside of said neckband and formed tubular intermediate its length and flattened at its ends, said tubular portion adapted to engage through the front collar button holes of said neckband and then through the front button holes of the collar, the free flattened end of said tape adapted to engage said collar flap aperture.

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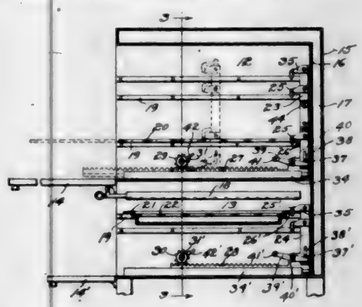
1,560,947. OVEN-RACK-HANDLING DEVICE. WILLIAM PARKE, New York, N. Y. Filed Feb. 5, 1925. Serial No. 7,052. 16 Claims. (Cl. 126—339.)



1. In a stove comprising an oven having a door opening, heating means for said oven, a door in said door opening, and a food support movable laterally within and from said oven, the combination of: food support moving means comprising a substantially vertical arm, movable by a rotatable element, for advancing or retracting said food support at will and independently of the movements of said door.

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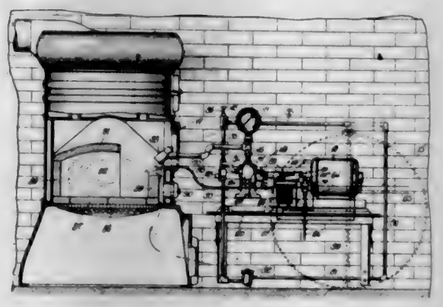
1,560,848. NUTMEG GRATER. NORRIS H. PAYSON, Newport News, Va. Filed Feb. 21, 1925. Serial No. 10,909. 6 Claims. (Cl. 146—177.)

1. A blank for a nutmeg grater comprising a flat metal plate, arms integral with said plate and extending from one edge and in the plane of said plate; said plate and its arms adapted to be bent to form a housing for a grating mechanism.



1,560,849. OIL-BURNING SYSTEM AND APPARATUS. CARL F. PEARSON, Chicago, Ill. Filed Nov. 13, 1923. Serial No. 674,473. 3 Claims. (Cl. 158—36.3.)



1. An oil burning system including an oil supply tank; an oil burner; a pilot burner; an oil supply pump between said tank and oil burner; an air pump connected to said oil pump; means for conveying oil from said tank to said oil burner thru said pumps; an electromagnetically controlled valve between said pumps for controlling the flow of oil to the burner; said electromagnetic means also controlling the supply of fuel to said pilot burner; and an oil return pipe between said pumps to return any excessive supply of oil to said tank.

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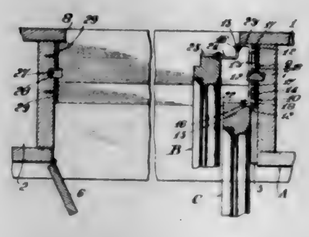
1,560,850. WINDOW FRAME AND SASH THEREFOR. ISADORE J. POLACK, Chicago, Ill. Filed Feb. 4, 1924. Serial No. 690,424. 5 Claims. (Cl. 20—50.)



1. In a window, a frame, upper and lower sashes slidably mounted therein and pivotally mounted at one side to permit of the swinging thereof to open position, the other sides of said sashes being bevelled to permit close fitting of the sashes in the frame and to overcome binding thereof when the sashes are swung to open and closed positions, a set of superposed hinges secured to the non-bevelled side of each sash and providing pivots for the sashes, one set of the hinges provided with a pair of oppositely disposed L-shaped flanges, and means fixed to the frame and overlapping said flanges for slidably securing the hinges to the frame.

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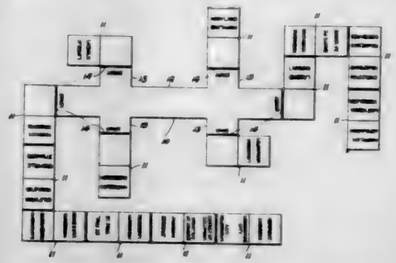
1,560,851. GAME APPARATUS. HAROLD M. PORTER, Hagerstown, Md., assignor to The Porter Chemical Company, a Corporation of Maryland. Filed Apr. 7, 1921. Serial No. 459,351. 10 Claims. (Cl. 273—137.)

1. A game apparatus comprising a starter game piece having a plurality of blank starting faces, and a series of game pieces each bearing one or more terms adapted to be matched with a game piece bearing a different, but geographically related term, some of the game pieces



of each series each having a blank face adapted to be matched with one of the blank starting faces of said starter game piece.

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1,560,852. POCKET CASE. ISAAC F. POTTER, Johnstown, N. Y. Filed May 7, 1925. Serial No. 28,679. 1 Claim. (Cl. 40—16.)

An improvement in a pocket case of the type comprising a flat sheath open at one end, an article-holding strap passing slidably through the other end of the sheath and foldable around an end of one side wall of said sheath onto the outer side of said wall, and fastening means for releasably securing said strap against said side wall; said improvement comprising a strip of material extending longitudinally of the aforesaid side wall from said one end thereof to a point spaced from its other end to provide a name card pocket, said strip being secured at its side edges and its inner end against the outer side of said side wall but being free at its outer end to permit insertion of a name card into the pocket between the strip and side wall, said strip having a longitudinal name-displaying slot of less width than the aforesaid strap to be entirely covered by said strap when the latter is folded onto and secured against said side wall, the fold of the strap then extending across and closing the open end of the card pocket to retain the name card in said pocket.

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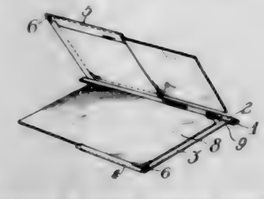
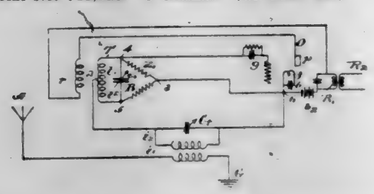
1,560,853. INDEXING SYSTEM. FRANK D. POWELL, Chicago, Ill., assignor, by mesne assignments, to Acme Card System Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 30, 1922. Serial No. 597,714. 8 Claims. (Cl. 129—10.7.)



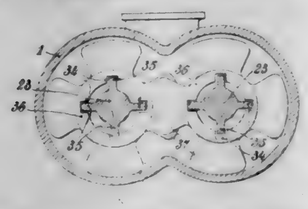
4. Card holders for visible indexing systems comprising support members, card-carriers hinged thereto and having card-supporting pockets extending partially across the lower edges of the cards.

1,560,854. RADIO RECEIVING APPARATUS. JACKSON H. PRESSLEY, Oceanport, N. J. Filed Oct. 16, 1924. Serial No. 743,929. 6 Claims. (Cl. 250—20.)



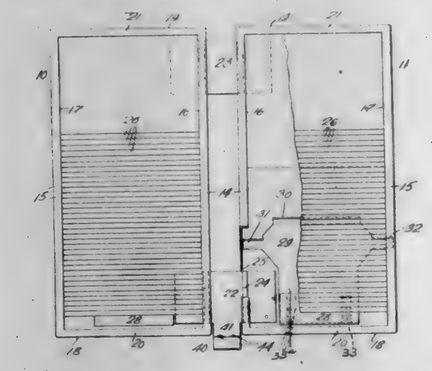
1. A circuit system comprising, in combination, an input circuit, an output circuit, a three element vacuum tube having a plate, a grid and a filament, a mesh circuit having a conjugate pair of neutral points, said input circuit being connected across said pair of conjugate points, said grid and filament being connected across nonconjugate points of said mesh, and said plate being electrically coupled to said mesh circuit and to said output circuit.

1,560,855. RETORT FOR THE CARBONIZATION OF SOLID FUELS. AUGUSTIN LÉON JEAN QUENEAU, Frejus, France, assignor to Edmund Heisch, Paris, France. Filed Nov. 27, 1923. Serial No. 677,248. 3 Claims. (Cl. 202—9.)



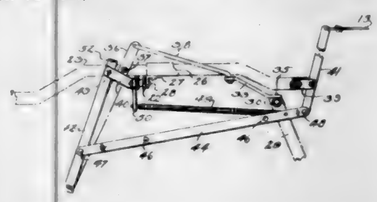
1. A retort comprising a casing, a rotary conveyor mounted therein, said conveyor constituted by a number of aligned noncircular shaft sections and rings encircling the shaft sections, and having non-circular openings loosely receiving the non-circular sections, some at least of said rings being provided with conveyor blades and at least some of said rings serving to couple said shaft sections.

1,560,856. PORTABLE INDEX BOOK OR DEVICE. JAMES H. RAND, Jr., Tonawanda, N. Y. Filed Oct. 8, 1923. Serial No. 667,132. 9 Claims. (Cl. 129—34.)



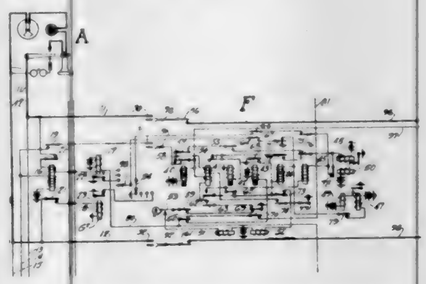
4. In a card index book, a plurality of one-piece metal leaves each having a body portion and integral sides provided with inwardly extending flanges adapted to contact with the flanges of the others of said leaves when the book is closed, the inner sides of said body and side portions being adapted to receive cards or index devices and providing protective covers for said cards, means connecting said leaves so that they may be moved relatively to one another to and from open and closed positions, a handle on said left-connecting means adapted to be grasped to permit the index book to be moved on a supporting surface, and means on said handle adapted to receive and display a data slip or other indicating device.

1,560,857. FOOT CONTROL DEVICE FOR TRACTOR CLUTCHES. EDMUND J. RICHARDSON, Moville, Iowa. Filed Aug. 14, 1925. Serial No. 50,193. 5 Claims. (Cl. 74—81.)



1. A foot actuated control device to be used in connection with an implement having longitudinal and spaced forward and rear transverse frame bars, comprising a bracket secured to the forward transverse bar, a forward vertically arranged lever fulcrumed on said bracket, a second bracket on the rear transverse bar, a depending foot lever swingingly fulcrumed on said second bracket, a link connecting the lower end of the forward lever and the foot lever, and a spring secured under tension between the lower end of the forward lever and the rear transverse frame.

1,560,858. AUTOMATIC TELEPHONE SYSTEM. RODNEY G. RICHARDSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., A Corporation of Illinois. Filed Nov. 23, 1920. Serial No. 426,011. 40 Claims. (Cl. 179—18.)

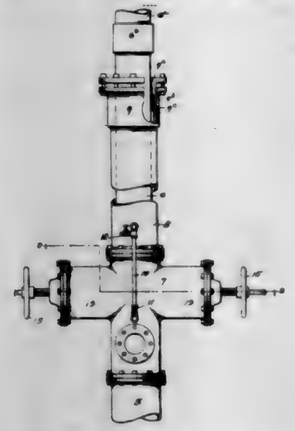



1. In a switching device for automatic telephone systems, the combination with a contact member adjustable and movable in only two directions, of two devices for controlling the adjustment of said member in said two directions, respectively, and means for operating said devices simultaneously.

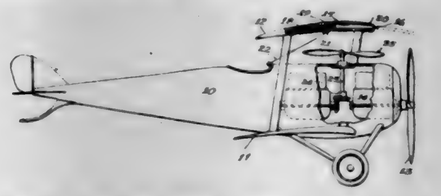
1,560,859. OIL-WELL CONSTRUCTION. FRED RICHMOND, Oilfields, Calif. Filed Dec. 15, 1924. Serial No. 755,953. 6 Claims. (Cl. 166—14.)

1. The combination with a casing and a drill element movable therein, of a shut off device adapted to make a tight joint between the casing and the exterior of the tubing, a chamber of such size as to house a tubing coupling, located above the cut off device and a packing head carried by said casing.



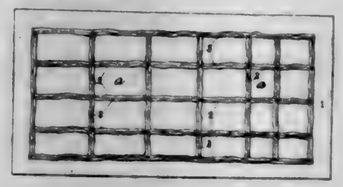


1,560,860. AIRPLANE. FREDERICK RIES, Compton, Calif. Filed Jan. 29, 1925. Serial No. 5,439. 8 Claims. (Cl. 244—12.)



1. The combination with an airplane main wing provided in its forward portion with a pocket that extends practically the entire length of said wing; of an auxiliary wing normally contained within said pocket and compression springs arranged in the rear portion of said pocket and bearing against the rear edge of said auxiliary wing.

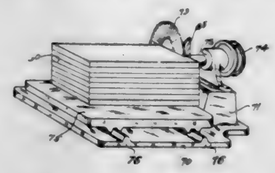
1,560,861. PRODUCTION OF PAPER AND CARDBOARD BLANKS AND SHEETS IN IMITATION OF HANDMADE PAPER AND CARDBOARD BLANKS AND SHEETS. CHARLES RIVAGE, Paris, France, assignor to United States Envelope & Co., Springfield, Mass. Filed Aug. 30, 1923. Serial No. 660,237. 9 Claims. (Cl. 93—1.)



3. The herein described improvement in the production of deckle-edged sheets or blanks from manufactured paper or cardboard stock, which consists in subjecting said stock, in predetermined areas thereof, to a pressure sufficient to permanently compress it in said areas to less than normal thickness.

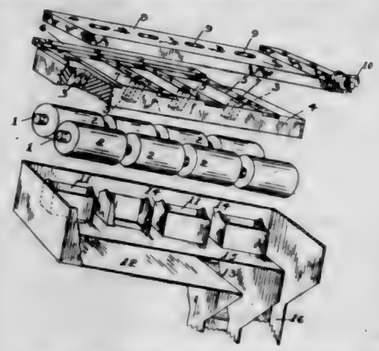


1,560,862. METHOD OF MAKING VARIEGATED RUBBER. FRED THOMAS ROBERTS, Cleveland, Ohio. Filed Sept. 13, 1920. Serial No. 409,846. 14 Claims. (Cl. 18—61.)



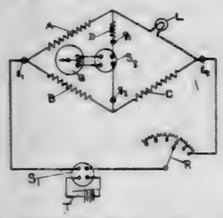
1. The method of making variegated rubber which comprises placing layers of different colors upon a member, causing a chamber to be formed about said member and layers, exhausting the air from the chamber, thereafter pressing the layers together and slicing the block so formed across the layers to form a sheet having portions of such layers as striations therein.

1,560,863. BEAN-SORTING MACHINE. ALPHONSO ROCHELEAU, Saginaw, Mich., assignor of one-half to Asa E. Walcott, Saginaw, Mich. Filed Apr. 5, 1922. Serial No. 549,838. 5 Claims. (Cl. 130—18.)



5. A bean sorting machine characterized by pairs of sorting rolls each comprising a plurality of short roll sections spaced apart lengthwise, and means for feeding material onto an end of each of said pairs of roll sections, for the purposes set forth.

1,560,864. OPTICAL PYROMETER OR SIMILAR INSTRUMENT. FRANCIS HAROLD SCHOFIELD, Teddington, England. Filed July 15, 1922. Serial No. 575,215. 5 Claims. (Cl. 88—14.)



1. An optical pyrometer making use of the variation in the intensity of radiation of an electric lamp due to changes in the current passing through the filament, comprising: a source of electric power variable at will arranged in the main circuit, a Wheatstone bridge, an electric incandescent filament lamp located in one arm of the bridge, three resistances constituting the two ratio

arms and the fourth arm of the bridge, a galvanometer connected to fixed points of the bridge, said resistances being such that for some particular current in the lamp the bridge is in balance while for other currents an out of balance deflection will be caused in the galvanometer, and a resistance associated with the galvanometer and fixing its sensitivity so that the limits of the out of balance deflections correspond to the whole length of the galvanometer scale.

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1,560,865. GRINDING MILL. JAMES BERNARD SEDBERRY, Utica, N. Y. Filed Nov. 28, 1923, Serial No. 677,481. Renewed Apr. 10, 1925. 1 Claim. (Cl. 83—11.)

In a grinding mill of the character described, a grinding element including a generally octagonal grinding head having its alternate surfaces provided with a plurality of cutting edges at and between the ends thereof.

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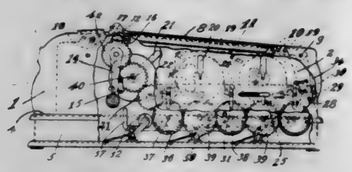
1,560,866. PRINTING AND MANIFOLDING MACHINE. JOHN Q. SHERMAN, Dayton, Ohio. Filed Feb. 19, 1924. Serial No. 693,873. 10 Claims. (Cl. 101—113.)



1. In a device of the character described, a common paper feeding mechanism for a plurality of webs of paper, a printing mechanism driven in synchronism therewith, means for maintaining an engagement of the printing mechanism with webs of paper, and means for enforcedly releasing the said engagement so as to permit of adjustment of the webs of paper with relation to the feed.

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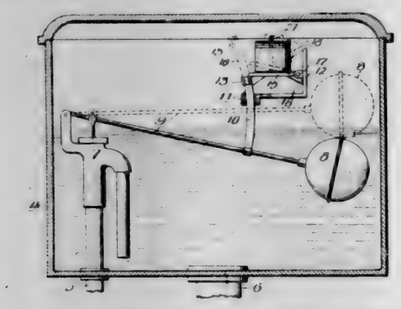
1,560,867. CONTROL FOR FLOAT VALVES. THOMAS SHETKA, St. Paul, Minn. Filed May 25, 1925. Serial No. 32,636. 6 Claims. (Cl. 137—104.)



5. The combination with a storage tank for liquid having an inlet pipe and a valve on said pipe adapted normally to maintain water at a predetermined level in said tank, said valve being provided with a float, an arm projecting above said float and operatively connected therewith, a member extending adjacent to said arm and pivotally supported at one end in said tank, the free end of said member being adapted to engage said arm when the float is in a depressed position and means adapted to exert downward pressure on said member sufficient to maintain said member in substantially horizontal position whereby said float is maintained in depressed position upon emptying of the tank until the water has risen therein substantially to said predetermined level.

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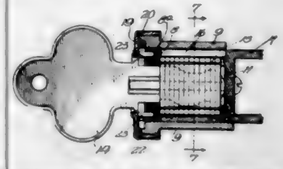
1,560,868. LOCK. LYLE B. SHINN, Chicago, Ill., assignor to Chicago Cabinet Lock Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 3, 1923. Serial No. 678,085. 4 Claims. (Cl. 70—46.)



1. The combination with a lock comprising a casing having a bearing surface adjacent its front end, a cylinder in and rotatable relatively to the casing and provided with a key-slot, and tumblers for securing the cylinder and casing against relative movement, of a pair of members for closing the slot having meeting edges in front of the slot and provided with means by which they may be spread apart by the insertion of a key between them, and leaf springs for shifting the members to close the slot, said springs being secured to rotate with said members respectively and slidable on said bearing surface.

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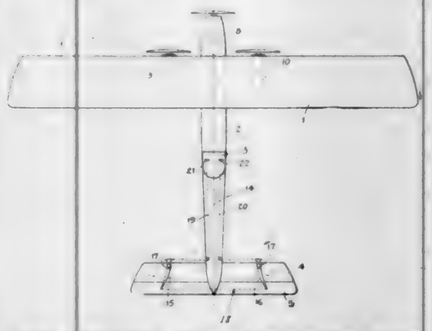
1,560,869. FLYING MACHINE. IGOR I. SIKORSKY, New York, N. Y. Filed Mar. 9, 1923. Serial No. 623,854. 7 Claims. (Cl. 244—29.)



1. The combination with a flying machine having a number of propellers arranged at opposite sides of the machine center line, of means providing surfaces to counteract the turning effort of unbalanced thrust of said propellers, said surfaces being located within air streams normally created by said propellers and each of said surfaces exerting a turning effort on the machine which opposes the turning effort of the propeller or propellers which create the air stream within which the respective surface is located.

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1,560,870. WALKING BEAM FOR OIL WELLS AND THE LIKE. GUY P. SLATER, Tulsa, Okla. Filed Aug. 7, 1924. Serial No. 730,742. 2 Claims. (Cl. 74—5.)

1. A walking beam for well drilling and pumping comprising side channel plates, a top plate and a bottom plate above and below the flanges secured thereto, I-beams extending transversely of the top plate on each side of the trunnion of the walking beam, truss rods supported on the I-beams and having their ends connected together between the I-beams, the top and bottom of the walking beam having diagonally disposed apertures through which the truss rods extend, and means on the outer ends of the truss rods for anchoring the same to the lower plate of the walking beam.



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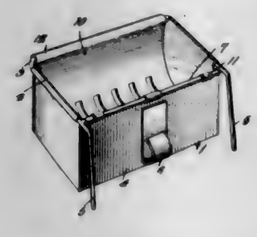
1,560,871. SOAP BOX OR HOLDER. DON L. SMITH, South Bend, Wash. Filed Sept. 11, 1924. Serial No. 737,137. 1 Claim. (Cl. 45—28.)



A soap holder comprising a substantially rectangular water tight container having its opposed ends rolled at their upper edges to form beads, a heavy wire inserted in said beads and extending around the front and rear edges of said container, arms depending from said wire at the rear thereof and cooperating with the rear wall of the container to form clamps for supporting the container on a support, and a soap holder U-shaped in cross section and hingedly connected along one side edge with the wire in the rear of the container and having a hook-shaped lip at its front end to engage the wire at the front end of the container, said soap holder having transversely arranged slots to permit water to pass therethrough.

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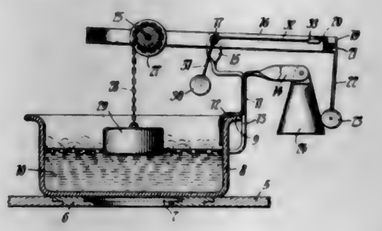
1,560,872. MILK BELL. ERNST STAHL, New York, N. Y. Filed Mar. 26, 1925. Serial No. 18,358. 3 Claims. (Cl. 116—110.)



3. An audible signal for vessels in which water may be boiled to indicate the boiling thereof, said signal comprising a support having arms to engage the wall of the vessel, arms on the upper part of said support, a bell carried by one of said arms, a tilting frame pivoted in the other pair of arms, a bell striker having an arm pivoted in the outer end of said frame, means to normally retain said arm in a raised position, means, including a float at the other end of said frame, said float resting on the surface of water in the vessel, and permitting the frame to tilt upon change in the surface of the water, to displace said striker, and means to retract said frame immediately contact is made between the striker and bell.

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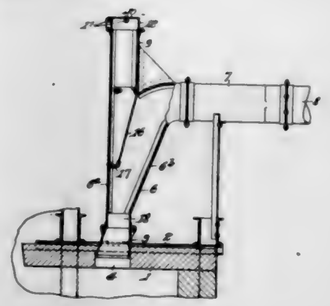
1,560,873. APPARATUS FOR FEEDING POWDERED COAL. WILLIAM J. STOOP, Wheeling, W. Va. Filed Dec. 5, 1923. Serial No. 678,774. 3 Claims. (Cl. 110—104.)



1. In apparatus for feeding powdered coal to furnaces and boiler fire-boxes, the combination with an overlying arch having alined feed passages therein, of a plurality of nozzles of inverted frusto-pyramidal form in communication with said passages, dividers located in intermediate overlying relation to said nozzles, a casing having its lower end embracing the upper ends of said nozzles, a fuel supply pipe opening into said casing, controllable means for introducing air through the top of the casing, and baffle means whereby the admitted air is delivered for mixing with the coal at a point intermediate the level of said supply opening and the level of said dividers.

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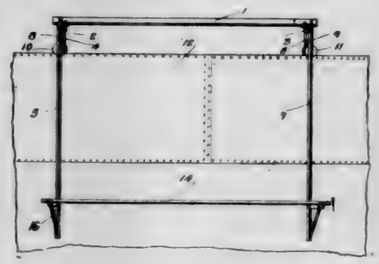
1,560,874. TANK SCAFFOLD. JAY ALBERT STOUGH, Tulsa, Okla. Filed Oct. 6, 1924. Serial No. 741,920. 1 Claim. (Cl. 304—17.)



A scaffold adapted to be supported on a tank of circular cross section, comprising paired end bars for straddling the wall of the tank, a radial bracket connecting the bars of each pair, a top rail connecting the brackets, a hanger in each pair of end bars, grooved wheels carried in said hangers on radial axes and adapted for movably supporting the scaffold from the rim of the tank, radial platform brackets on the end bars, and platforms carried by the platform brackets.

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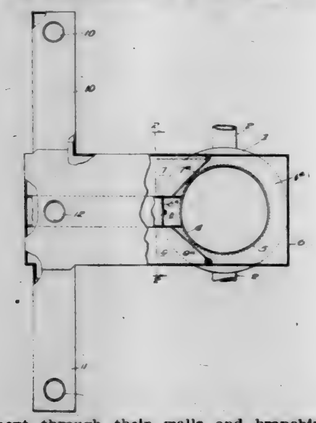
1,560,875. PIPING SYSTEM FOR HOT-AIR FURNACES. JOSEF SUBERT, Oak Park, Ill. Filed Mar. 11, 1921. Serial No. 451,493. 7 Claims. (Cl. 126—99.)

1. In a heating system a heating source and a plurality of distributing conduits connected for delivery of heated air from the source to separated points of final discharge respectively, said conduits extending in substantially horizontal direction from the heating source

parallel and contiguous with each other for a limited distance to permit conduction of heat from one conduit



to the next through their walls and branching apart for connection with their respective discharge outlets.

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1,560,876. WINDOW-FRAME CONSTRUCTION. JOSEPH SYLVAN, Cicero, Ill. Filed May 5, 1922. Serial No. 558,596. 6 Claims. (Cl. 98—31.)

1. In combination with a frame for window sash, said frame including upright side and mullion members and a top lintel member, one of said members being constructed to permit the passage of air therethrough and having an inlet opening and an outlet opening at a right angle thereto, means in said member between said openings for warming the air as it passes through said member, and a window sash hinged to one of said upright members to swing in a horizontal plane and adapted to close off said inlet opening from and to open the same to the outside atmosphere.

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1,560,877. STUFFED TOY. EMMA R. H. TAGGART, Liberty, Mo. Filed Mar. 30, 1923. Serial No. 628,804. 1 Claim. (Cl. 46—40.)

A stuffed toy, comprising an envelope consisting of two flexible body members conforming in outline to a toy shape, secured together at their edges, the envelope having lines of stitching passing through the two toy body members extending inwardly from the edge of the envelope to form pockets simulating the joints of the body, filling material in the pockets, and stiffening wires in the toy body stitched to the body members, said stiffening wires comprising straight intermediate portions and right-angularly bent eye portions.

1,560,878. SYSTEM FOR REPAIRING RAILROAD CARS. JOHN J. TATUM, Baltimore, Md. Filed Dec. 31, 1923. Serial No. 683,827. 4 Claims. (Cl. 104—26.)

1. A system for performing a series of operations on cars which consists in providing trackage space for the cars, a space adjacent to the cars divided into spots or zones of different colors designating the particular character of operations in each spot or zone, placing a bulletin board in each zone as the same color as its zone, indicating on said board repairs to be done in said zone, and then placing the necessary material in each zone.

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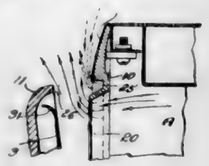
1,560,879. STOVE DOOR AND FRAME CONSTRUCTION. ALBERT H. TINNERMAN, Cleveland, Ohio. Filed Dec. 6, 1923. Serial No. 678,870. 6 Claims. (Cl. 126—190.)



1. In a stove construction, the combination of a front frame member having exposed surfaces of enamel, said frame having an upper and a lower oven door opening formed therein, doors mounted on said frame for closing the openings and grooves and flanges formed on the frame said flanges extending outwardly from said openings, a portion of the door seating into the groove and overlying the flanges when the doors are closed whereby when the doors are opened hot escaping gases from the oven may be guided away from the exposed surfaces of the frame.

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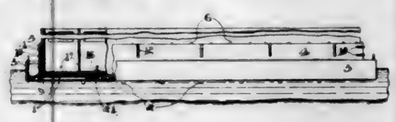
1,560,880. METHOD OF CONSTRUCTING CONCRETE CRIBS. JESSE H. TROMANHAUSER, Toronto, Ontario, Canada. Filed Nov. 14, 1924. Serial No. 749,837. 14 Claims. (Cl. 61—81.)



1. The method of constructing a concrete crib which consists in providing a pontoon bottom with removable side walls; building a floatable crib with concrete walls on said pontoon bottom within the pontoon walls and while the pontoon is afloat; disconnecting and stripping the pontoon sides; and finally stripping the pontoon bottom from below the crib.

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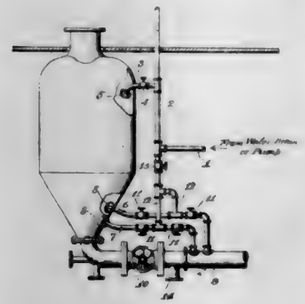
1,560,881. QUICK-COOK SULPHITE PROCESS. PHILLIP C. ULMEN, River Rouge, and HERMAN H. BECKER and RUSSELL T. MANN, Detroit, Mich. Filed Apr. 14, 1924. Serial No. 706,542. 1 Claim. (Cl. 92—7.)

The method of discharging quick-cook sulphite digesters consisting in straining off the spent liquor and simultaneously injecting cold water to thus quickly reduce the temperature and pressure within the digester, and then,





after the temperature and pressure have been thus reduced, washing out the cooked chips.

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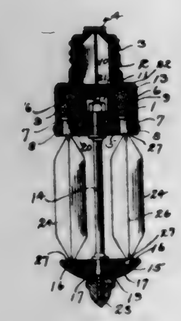
1,560,882. INCANDESCENT LAMP. JOHN S. VAN HORNE, Franklin, Ohio. Filed July 25, 1922. Serial No. 577,453. 4 Claims. (Cl. 240—1.)



1. A cluster lamp comprising a plug member having an enlarged head, a second head located in parallel spaced relation with the first head, a rod fixedly connecting the heads one with the other, a plurality of contacts carried upon the adjacent faces of the said heads, the contacts of one of the heads being yieldingly mounted, and a plurality of independent lamp units located intermediate the heads and having terminal abutting engagement at their opposite ends upon the contacts carried by the reseptcive heads.

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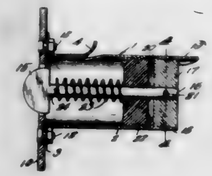
1,560,883. ELECTRIC SWITCH. ALBERT VOLLAND, Burlington, Kans., assignor of one-half to William C. Volland, Burlington, Kans. Filed Jan. 26, 1923. Serial No. 615,063. 1 Claim. (Cl. 200—54.)

A switch of the class described comprising a cylindrical metal casing open at both ends with an instruck annular rib near one end on its inner face and at its other end with a laterally extending apertured attaching flange for connection with a support, said casing having an apertured tongue struck out of one side wall thereof designed to receive a current conducting wire, an insulating disk mounted in said casing and held engaged therein by said rib, a rod mounted to reciprocate in the insulating disk of said casing, and having a head at one end projecting beyond one end of the casing, an insulating disk carried by the other end of said rod, a metal shell encasing said disk and having a wire attaching lug and an inturned flange at its inner end



adapted to abut the outer end of the casing to close the circuit, a coiled spring mounted on the rod within the casing and adapted to normally project the head carried by the rod and to close the circuit, said head being designed to engage a cooperating member for holding the circuit open.

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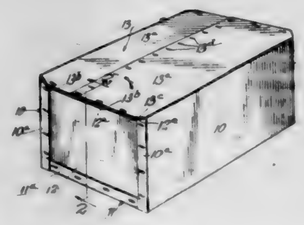
1,560,884. BOX. HARRISON B. WALTER, Chicago, Ill., assignor to Chicago Mill and Lumber Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 12, 1922. Serial No. 551,854. 3 Claims. (Cl. 229—23.)



1. A box of fibre, paper-board or the like having sides, bottom, ends and a top closure, the ends having top flap extensions adapted to be folded into the plane of the top of the box, and the top closure having extensions adapted to seat upon and to be secured to the flap extensions of said ends.

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1,560,885. METHOD OF MAKING ALLOYS. RICHARD WALTER, Dusseldorf, Germany. Filed June 29, 1920. Serial No. 392,895. 4 Claims. (Cl. 75—1.)

1. The hereinbefore described process of making alloys of silicon and heavy metals, which consists in mixing the components in proper proportion for the formation of a single homogeneous silicide, in then heating the mixture to a temperature at which exothermic reaction in initiated, and in then using this reaction to melt down the charge.

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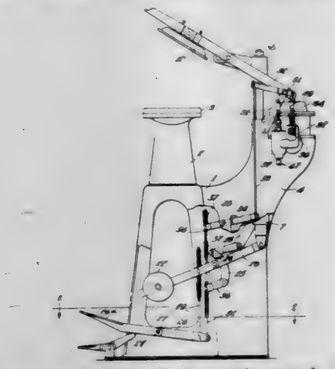
1,560,886. GARMENT PRESS. CHARLES E. WAREAM, Cincinnati, Ohio, assignor, by mesne assignments, of one-half to Metropolitan Trust Company, trustee, New York, N. Y., a Corporation of New York. Filed Feb. 16, 1920, Serial No. 359,127. Renewed July 31, 1923. 21 Claims. (Cl. 68—9.)

2. A pressing machine, comprising a garment support, a lever swinging in a vertical plane and carrying a

co-operating pressing head, a support for said lever, operator operated means for moving said lever support



vertically during pressing operation, and means for swinging said lever on its support.

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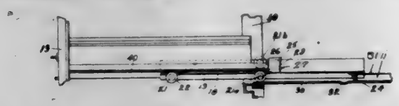
1,560,887. SUSPENSION. WILLIAM W. WATSON, Jamestown, N. Y. Filed Sept. 11, 1922. Serial No. 587,403. 3 Claims. (Cl. 45—77.)



1. In a cabinet having side rails provided with upper and lower flanges, a suspension mounted upon said rails, a drawer supported by said suspension, a pair of rollers on said suspension, other rollers on said suspension certain of which bearing normally against the lower faces of said upper flanges while a portion of said suspension extends above and out of contact with said flanges, depressions in the lower flanges of said side rails which said first named pair of rollers enters when the drawer is closed, whereby the extending part of said suspension will rest upon said upper flanges.

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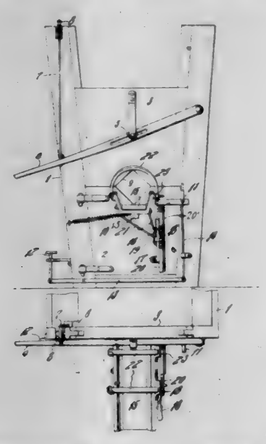
1,560,888. CHUTE. ROY WATT, Healy, Kans. Filed Nov. 21, 1924. Serial No. 751,357. 3 Claims. (Cl. 119—98.)



1. An apparatus of the class described comprising a stall, a hinged lower door and a vertically movable upper door at one end thereof, the abutting ends of the doors having recesses therein for forming an opening to receive the neck of an animal when the doors are closed, a trough hinged to the lower door under the opening for receiving the head of the animal, means for adjusting the trough and means for holding the head of the animal in the trough.

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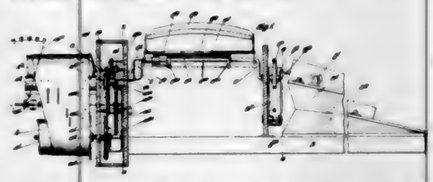
1,560,889. PNEUMATIC PIANO PLAYER. JOHN WEABHAM, Westminster, London, England, assignor to Vickers Limited, Westminster, London, England, a British Company. Filed July 6, 1922. Serial No. 573,124. 10 Claims. (Cl. 84—70.)



1. In a pneumatic piano player, the combination with a pumping device, of a crank for actuating said device and a plate on said crank upon which plate the operator's hand rests in actuating the crank.

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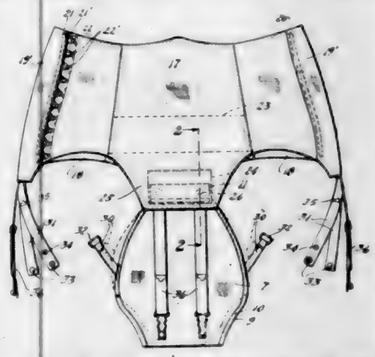
1,560,890. CATAMENIAL BANDAGE AND SUPPORT. ELIZABETH C. WHITLOCK, Chicago, Ill. Filed June 8, 1923. Serial No. 644,095. 1 Claim. (Cl. 128—289.)



A device of the class described comprising in combination a supporting waist and a sanitary shield thereon, said shield including an inner layer of Japanese oil silk, an outer layer of silk, edge bands of silk stitched over said layers to bind them together, and said supporting waist including a tapered portion with a fixed attaching band at its front, longitudinal elastic strips in its back portion, a broad elastic band directly and releasably attached to its rear, elastic straps depending from the sides of said waist and having means for adjusting them for length, said shield having means on its ends for releasably attaching it to means on said bands, and separate elastic straps extending from the side edges of said shield for releasably engaging means on said first straps for drawing up the side edges of said shield and supporting it in sack formation.

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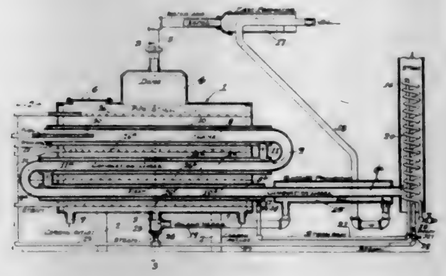
1,560,891. CRACKING STILL FOR MINERAL OILS. WILLIAM L. BAGWILL, Long Beach, Calif. Filed Dec. 27, 1923. Serial No. 682,865. 13 Claims. (Cl. 196—115.)

9. A still for cracking oil having in combination a shell forming a still body of substantially ovate cross section with flat sides and the apex at the bottom, and



continuous combustion passages extending through the body lengthwise from end to end and the uppermost passage of the largest diameter, the other passages



progressively diminishing in diameter, said passages being mounted in the still so that the oil between the passage and the lateral walls of the still is substantially the same thickness for each successive passage.

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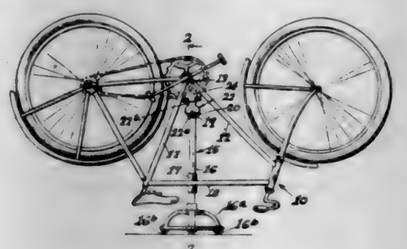
1,560,892. BICYCLE SUPPORT. JAMES I. BODINE, Seal Beach, Calif. Filed Feb. 11, 1924. Serial No. 692,052. 5 Claims. (Cl. 208—91.)



1. A bicycle supporter comprising a standard, a horizontally disposed cylindrical element mounted upon said standard, and a member adapted to support a bicycle by its frame in inverted position rotatably mounted upon said cylindrical element.

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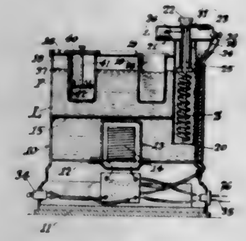
1,560,893. WAX AND COMPOUND ANNEALER. HARRY A. BONOFF, Los Angeles, Calif. Filed Nov. 20, 1924. Serial No. 751,095. 4 Claims. (Cl. 219—19.)



4. A device for annealing wax, waxy substances and compositions for dental purposes comprising a liquid container, a heating element for said container, automatically operated means for regulating the heating of a liquid in said container, a cover for said container, apertures formed in said cover, and cups suspended through said apertures into the liquid in said container, one of said cups being adapted to hold a liquid to be heated and the other cups being adapted to hold preparations to be heated.

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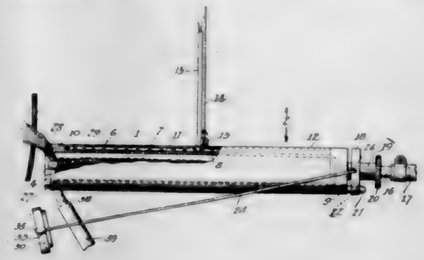
1,560,894. APPARATUS FOR PERMANENT WAVING AND CURLING HAIR. BENJAMIN BLUM, ALEXANDER COLE, and EDWARD COULSON, Los Angeles, Calif. Filed Apr. 17, 1924. Serial No. 707,115. 7 Claims. (Cl. 132—36.)



1. An apparatus for permanent waving and curling of hair, comprising in combination a receptacle having an open end in which hair may be inserted for curling, a notch at one side of the end of the receptacle, a cap adapted to close the receptacle, an upstanding annular gasket on the cap adapted to engage the end of the receptacle on the inside and to form a substantially gastight joint at the notch and means to introduce a heating medium into the receptacle.

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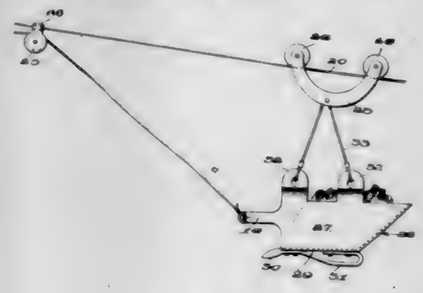
1,560,895. EXCAVATING BUCKET. FRANCIS TRENHOLM CROWE, Denver, Colo. Filed Mar. 9, 1925. Serial No. 14,174. 6 Claims. (Cl. 37—115.)



1. Apparatus of the character described comprising a cableway, a bucket which is capable of traveling along the cableway, means by which the bucket is suspended, and other means to which the suspension of the bucket is transferable to cause tilting of the bucket.

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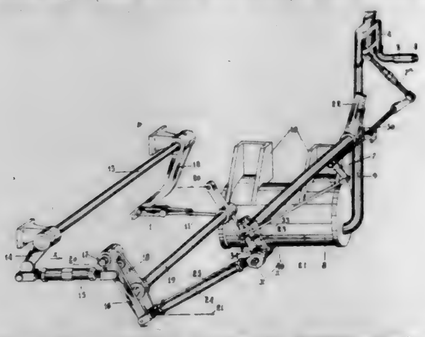
1,560,896. MOTOR BRAKE. ALBERT DEWANDRE, Liege, Belgium. Filed Aug. 26, 1924. Serial No. 734,299. 3 Claims. (Cl. 188—152.)

1. In a brake system for motors, the combination, with a suction pipe, a distributor therein, and rodding for the brakes, of a brake motor connected with the rodding to actuate the same and adapted to be placed in alternative communication with said pipe and with the atmosphere by the distributor; a controlling lever for operating said distributor; a pair of arms articulated together, one arm being positively connected to said lever and the

other arm having a lost-motion connection therewith; connecting means between one arm and the brake rod-



ding; and a connection between the distributor and one arm to operate the former consequent upon a variation in the relative positions of the two arms.

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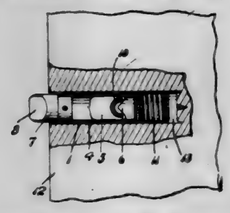
1,560,897. DOOR LATCH. LUCIEN A. DEXTER, Grand Rapids, Mich. Filed Sept. 15, 1924. Serial No. 737,689. 4 Claims. (Cl. 292—169.)



1. In a latch construction, an elongated housing of sheet metal open at its outer end and formed with openings in opposed sides thereof, said openings being of circular form and having stop members projecting thereinto at one side, a latch bolt slidably mounted within the housing, spring means located between the inner end of the bolt and the inner end of the housing tending to move the bolt outwardly, said bolt having openings in opposite sides thereof with triangular shaped projections extending thereinto at their inner ends, an operating bar passing transversely through the openings in the housing and latch bolt, said bar having an intermediate section of substantially semicircular form and adapted to be manually turned about its longitudinal axis to move the latch bolt inwardly on rotation of the bar in either direction, substantially as described.

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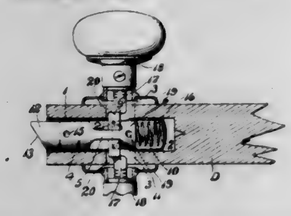
1,560,898. LATCH. LUCIEN A. DEXTER, Grand Rapids, Mich. Filed July 8, 1925. Serial No. 42,280. 5 Claims. (Cl. 292—169.)



1. A latch comprising, a tubular housing having a closed end, a latch bolt slidably mounted in the housing provided with an opening therethrough, said bolt at the inner end of said opening being formed with a forwardly projecting portion, and at its inner end having a reduced extension projecting toward the closed end of the housing, a spring disposed between the closed end of the housing and the end of the latch bolt around said extension, and an operating member passing transversely through the housing and latch bolt formed with means to engage said forwardly projecting portion of the latch bolt and thereby move the bolt inwardly until said extension engages against the closed end of the housing.

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1,560,899. FLYING MACHINE. CLAUDIUS DORNIER, Friedrichshafen-on-the-Bodensee, Germany, assignor to Dornier Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Mar. 8, 1924. Serial No. 697,862. 1 Claim. (Cl. 244—15.)

A flying machine comprising in combination a hull, a bearing plane, a traction propeller at the bow end of the hull, two pressure propellers at the rear edge of said bearing plane and two lifting screws arranged below said bearing plane, the diameter of said lifting screws being materially larger than the diameter of said pressure propellers.

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1,560,900. PROCESS OF TREATING WASTE SODIUM MONOSULPHITE LIQUORS. VIGGO DREWSEN, Larchmont, N. Y., assignor to West Virginia Pulp and Paper Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 18, 1923. Serial No. 669,282. Renewed Apr. 4, 1925. 10 Claims. (Cl. 23—48.)

1. The process of treating the waste sodium monosulphite cooking liquor produced in the digestion of vegetable fibrous material, which comprises concentrating the waste liquor until it contains only about fifty per cent of water, thoroughly incorporating therewith nitre cake and between about ten to thirty per cent of hydrated lime to combine with and fix the organically combined sulphur and minimize its elimination, incinerating and melting the mixture to form sodium carbonate and calcium sulphide, leaching the sodium salts out of the melted material, treating the leached residue to form sulphur dioxide and combining the same with the sodium salts to form sodium monosulphite for the cooking liquor.

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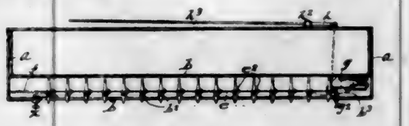
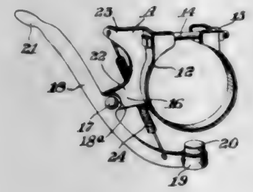
1,560,901. COOLING SYSTEM. CHARLES E. DURYEA, Philadelphia, Pa., assignor to Reo Motor Car Company, Lansing, Mich., a Corporation of Michigan. Filed Jan. 13, 1919. Serial No. 270,850. 9 Claims. (Cl. 257—132.)



1. In an apparatus of the kind described, the combination of a fan, adapted to be driven by the engine at a speed proportional to that of the engine, a radiator, said fan being adapted to propel a current of air over the cooling surface of said radiator, a damper arrangement adapted to control the area of passage for the cooling air, a pivoted vane located in the current of air produced by said fan upon the same side of said damper as said fan, said vane being connected with said damper so that it shall actuate the same to vary the area of passage for the cooling air.



1,560,902. DRAIN PLUG FOR RADIATORS. CHARLES ECKERT and EDWARD HAND RUTLEDGE, Shaunavon, Canada. Filed Jan. 31, 1925. Serial No. 6,139. 1 Claim. (Cl. 251—10.)



A drain plug for automobile radiators and the like comprising, in combination, a radiator drainage opening in the water pipe, a bracket member provided with an adjustable pipe engaging portion on one side, upper and lower spaced arms formed on the other side of said bracket, a plug-carrying lever arm centrally and pivotally mounted on the lower bracket arm, means formed on one end of the lever arm adapted for carrying a plug, a handle formed on the other end of said arm, a plug in the lever arm, and a coil spring connecting the lever arm and the upper bracket arm whereby the plug is normally held in engaging position with the drainage opening in the water pipe.

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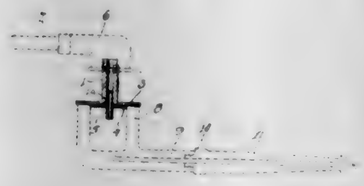
1,560,903. DEVICE FOR CLEANING SMOKING PIPES. FREDERICK EICHE, Lincoln, Nebr. Filed Nov. 24, 1924. Serial No. 751,984. 2 Claims. (Cl. 131—13.)



1. As an article of manufacture, a tube having an integral lateral flange at one end thereof, an auxiliary tube of smaller dimension carried by said first named tube and arranged to project on the opposite side of said flange, and an annular centering flange carried by said first named flange and surrounding said auxiliary tube, said auxiliary tube being adapted to enter the bore in the mouth piece of a pipe.

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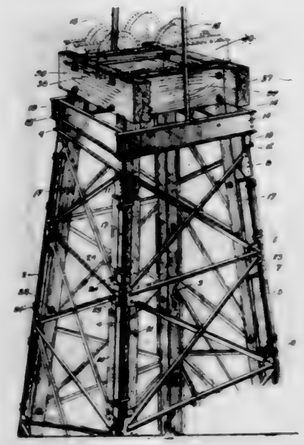
1,560,904. DENTAL DEVICE. JEFFERSON ELLARD, Texhoma, Okla. Filed Sept. 23, 1924. Serial No. 739,383. 4 Claims. (Cl. 32—16.)

1. A device of the character described comprising a pair of plates hingedly connected together, a lug projecting inwardly from one plate, a screw having one end mounted for rotation in the lug, a nut carried by the screw, and links pivotally connecting the nut with the inner free end of the plate.

1,560,905. DERRICK. WALKER S. ESTES, Tulsa, Okla. Filed Jan. 22, 1924. Serial No. 687,684. 12 Claims. (Cl. 20—0.5.)



1. The combination with a steel derrick, of removable wooden load carrying reenforcing members for the legs of the derrick, having longitudinal movement independent of the derrick under load and means for removably securing the re-enforcing members to the legs of the derrick whereby the steel derrick can be left standing after the drilling operation to serve as a pumping derrick.

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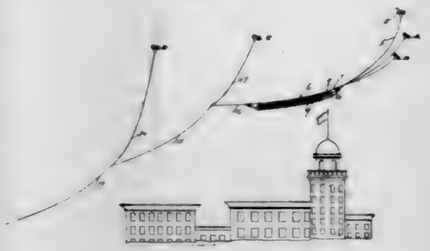
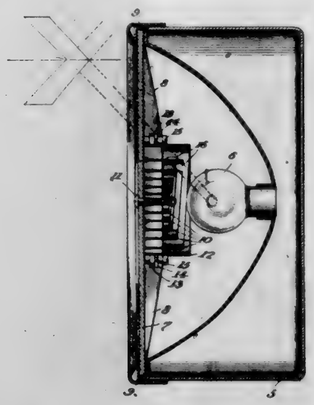
1,560,906. METHOD OF AND APPARATUS FOR AERIAL ADVERTISING. EDGAR G. FINLAY, Los Angeles, Calif. Filed Dec. 4, 1924. Serial No. 753,838. 6 Claims. (Cl. 40—127.)



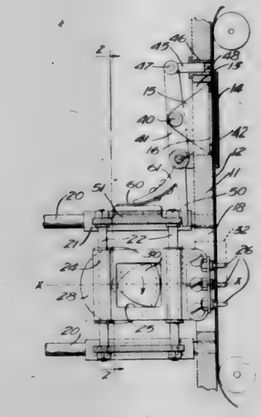
1. The method of displaying aerial advertising matter which consists in flying to a suitable elevation a kite to which a line is attached, attaching to the end of the line a comparatively long flexible display device, paying out the line on the display device to elevate one end thereof by the consequent increase in the elevation of the kite, then flying another kite and attaching the line of the said kite to the other end of the elongated display device, then attaching another line to the ends of the last named lines and paying out the last named line until the display device is in substantially horizontal position between the lines of the two kites.

1,560,907. AUTOMOBILE HEADLAMP. MELVIN A. FLAUTT, Waynesboro, Pa. Filed Oct. 11, 1924. Serial No. 742,971. 7 Claims. (Cl. 240—48.4.)



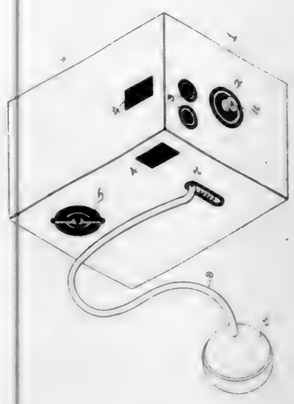
1. A light shield for head lamps, comprising a series of walls formed by a coiled strip, the convolutions of which are spaced apart, the inner portion of said strip and the inner convolutions formed thereby being narrower than the outer portion and outer convolution, forming a central lamp-receiving recess, and means for mounting the same on a head lamp.

1,560,908. INTERMITTENT MOVEMENT. FRANK E. GARBUTT and RALPH G. FEAR, Los Angeles, Calif., assignors to Famous Players-Lasky Corporation, a Corporation of New York. Filed Mar. 10, 1923. Serial No. 624,280. 12 Claims. (Cl. 88—18.4.)



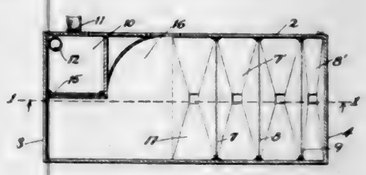
1. In an intermittent movement, the combination of: a forwardly movable member; an engagement element adapted to intermittently engage and advance said movable member; a clamp for holding said movable member immovable during the intermission between the intermittent advance of said movable member by said engagement element, a pivoted member adapted to be moved by unsecured contact of said engagement element therewith; stop pins pivotally disposed on said pivoted member, said stop pins being adapted to engage perforations in said movable member; and means for withdrawing said stop pins from said perforations.

1,560,909. TOY CAMERA. HARRY R. GILL, Ashland, Ohio, assignor to The Eagle Rubber Company, Ashland, Ohio, a Corporation of Ohio. Filed Oct. 24, 1924. Serial No. 745,577. 4 Claims. (Cl. 272—27.)



1. In a device of the character described, the combination of a box decorated to simulate a camera, said box having an opening in its front wall where the lens of a camera is normally located and another opening in a side wall; and a flexible tube provided with a bulb on one end, its other end being passed through such last mentioned opening and projecting through such first opening.

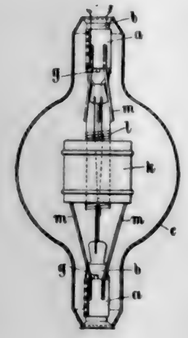
1,560,910. APPARATUS FOR PURIFYING TALC AND THE LIKE. GEORGE F. HANNAM, Los Angeles, Calif., assignor of two-thirds to Amos D. Kenworthy and one-third to George E. Frost, jr., both of Portland, Oreg. Filed June 9, 1922. Serial No. 567,062. 2 Claims. (Cl. 83—54.)



1. In an apparatus for the treatment of pulverized talc bearing material, a horizontal housing provided with a plurality of substantially vertical chambers whose walls are formed of screen material, means comprising a blower and a suction fan for establishing a circulation of air from one end of the housing to the other through the screens, said housing having an initial compartment provided with an adjustable gate or valve and in which the impurities fall and from which the pure particles of talc are carried in the moving stream of air.



1,560,911. VACUUM TUBE. CHARLES FREDERIC MARCHANT HAYES and LESLIE GRINSTEAD, London, England, assignors to The Mullard Radio Valve Company Limited, a British Company. Filed Feb. 10, 1925. Serial No. 8,222. 12 Claims. (Cl. 250—27.)



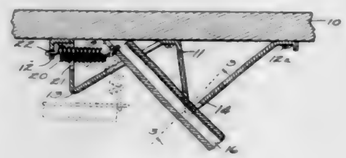
1. In a vacuum tube having an envelope and electrodes therein, the combination of a band loosely encircling a stem on said envelope and supporting one of the electrodes, and a wedge inserted between said band and said foot.

1,560,912. LEG-LOCKING STRUCTURE. ERNEST S. JOHNSON, Webster City, Iowa. Filed Dec. 9, 1922. Serial No. 605,986. 2 Claims. (Cl. 45—11.)

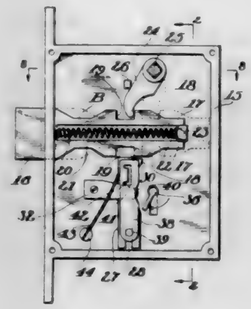
1. A leg locking structure for supports or the like including a supporting element, an inclined leg, a pivotal connection for securing the leg to the under side of said supporting element, a receiving member on the under side of the supporting element having a tapered opening therein, said leg being designed to have its upper end project into said tapered opening in said receiving element whereby it will be held in position by the pivotal connection and said receiving member, the structure being such that the greater the pressure upon the supporting element the tighter the leg will lock in position as specified.

1,560,913. LEG-LOCKING DEVICE. ERNEST S. JOHNSON, Webster City, Iowa. Filed Dec. 9, 1922. Serial No. 605,987. 5 Claims. (Cl. 45—11.)

5. A leg lock structure comprising a supporting plate or the like, a member rigidly secured to the under side thereof, and having parts spaced away therefrom, said member having elongated openings therein, a plurality of movable legs arranged to have their upper ends when in a certain position to be received in said openings and rest against the underside of said plate, a loose and pivotal connection for securing the upper ends of said legs to said member, said connection tending to draw the legs into said member, brace means for engaging said legs intermediate of their ends for preventing lateral movement thereof when in operative position, said legs being capable of being swung to position substantially parallel with said support and a clip for retaining each leg in inoperative position.



1,560,914. DOOR LOCK. PRESSLEY A. C. MOORE, Los Angeles, Calif. Filed Oct. 19, 1923. Serial No. 669,536. 3 Claims. (Cl. 70—29.)

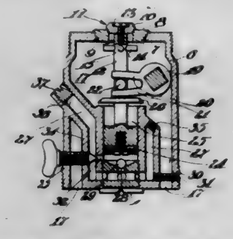


1. A combined lock and latch, comprising a latch bolt, manually operable means for moving the bolt to latching or non-latching position, and means for locking the latch bolt in latching position, comprising a bolt movable to engage or disengage the latch bolt, means formed on the bolt adapted to be engaged by a key for moving the bolt to either of said positions, a pivoted arm having a pin and slot connection with the bolt for maintaining the latter in either of said positions, said arm being urged to a predetermined position and arranged so as to be adapted to be engaged by a key for movement to a position in which the pin and slot connection will allow movement of said bolt, and a stationary plate positioned between the bolt and arm and adapted to offer resistance to any key head not recessed for passing said plate.

1,560,915. ADJUSTABLE SELF-CLOSING VALVE. ELIAS B. ROSE, Los Angeles, Calif., assignor of one-fourth to William J. Hollenbeck, one-twentieth to Genevieve R. Hollenbeck, and one-twentieth to Harry Helmeche, all of Los Angeles, Calif., and one-twentieth to Frank H. Martin, Los Angeles, Calif. Filed Jan. 15, 1924. Serial No. 686,249. 8 Claims. (Cl. 137—93.)

2. An adjustable self-closing valve comprising an outer tube having one end providing a valve seat and the other end open, a valve closure adapted to seat upon said seat, a tank disposed within said tube, a piston chamber disposed within said tank, a piston reciprocable in said

piston chamber and connected to the valve closure, means for lifting the piston and valve closure, a check valve



adapted to admit fluid from the tank to the piston chamber, and means permitting fluid to be expelled from the piston chamber into the tank.

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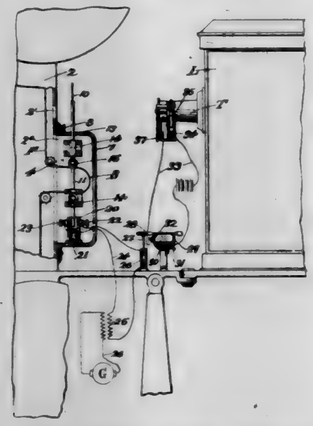
1,560,916. FIRE-PREVENTING DEVICE FOR MOTION-PICTURE-PROJECTION MACHINES. GEORGE J. SCHAFFER, Los Angeles, Calif. Filed June 29, 1922. Serial No. 571,607. 2 Claims. (Cl. 88—17.)



1. In a motion picture projecting apparatus having a light aperture adjacent which a motion picture film is designed to pass, means for intercepting a beam of light passing through the light aperture, said means including a vertically slidable rod, a presser member carried by said rod adapted to rest upon the upper portion of a bight continuously formed during the advance of the picture film, and a plate carried by said rod, said presser member, rod and plate being adapted to fall in the event of the breaking of the film, causing the destruction of said bight whereby said plate may cover said light aperture.

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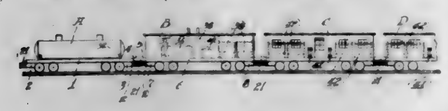
1,560,917. HOUSING UNIT FOR RAILWAY WORKERS. WARREN B. STUBBS, St. Louis, Mo. Filed Jan. 29, 1920. Serial No. 355,006. 5 Claims. (Cl. 105—1.)



3. A connecting element for a pair of coupled together cars comprising a single slidably mounted longitudinally arranged tubular member having its ends extend into portions of said cars, equalizing means mounted on said member for tending to hold said member in neutral position relative to its longitudinal movement between the cars and supply pipe passageways located in said member.

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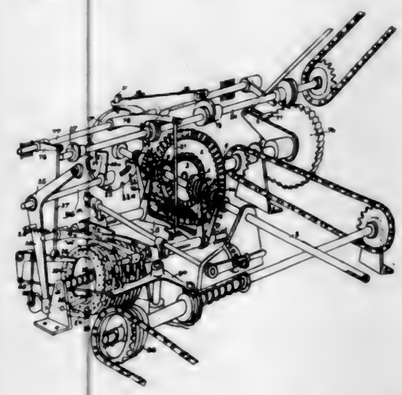
1,560,918. AUTOMATIC FEEDING OF METAL SHEETS AND THE LIKE. RUDOLF STÜBGEN, Erfurt, Germany. Filed Dec. 22, 1923. Serial No. 682,295. 15 Claims. (Cl. 164—117.)



1. Feeding mechanism for stamping and printing presses and the like comprising a main shaft, means for imparting to this shaft a step by step motion, a feed shaft, means associated with said two shafts for varying the angle of rotation of said feed shaft at each step motion of said main shaft and means for automatically controlling said varying means.

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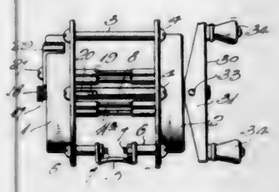
1,560,919. FISHING-LINE REEL. ALBERT A. UNRUH, Portland, Oreg., assignor of one-half to David O. Fisher, Portland, Oreg. Filed Oct. 23, 1924. Serial No. 745,435. 2 Claims. (Cl. 242—84.0.)



1. A fishing reel comprising a supporting structure including opposed end plates having central bearing openings, a hand-rotated shaft passing through said openings, a reel rotatable on said shaft, and having cup-shaped end members whose cupped sides are closed by said end plates, a ratchet wheel secured on the shaft within one of said end members, a releasable dog also within said one end member and co-operable with said ratchet wheel to hold the shaft against retrograde movement, a line-winding spiral spring around the shaft within the other end member of the reel, a direct connection between the outer end of said spring and said other end member, and a ratchet connection between the inner end of the spring and the shaft, said ratchet connection permitting free spinning of the reel on the shaft in line-winding direction when the line-winding power of the spring is expended.



1,560,920. CHAIR. MAX VIEK, New York, N. Y. Filed June 30, 1925. Serial No. 40,473. 6 Claims. (Cl. 155—142.)

6. A chair for bass violin players having a highly elevated collapsible seat whose front edge is horizontally slanting and horizontally movable collapsible lateral foot stools of different elevations.

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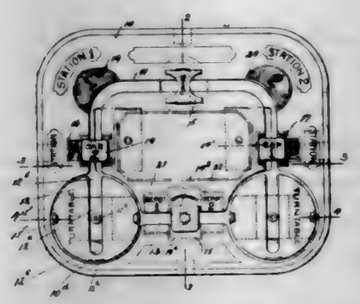
1,560,921. PUZZLE GAME. BRUNO VON BÜLTZINGSLÖWEN, New York, N. Y. Filed Feb. 25, 1925. Serial No. 11,472. 4 Claims. (Cl. 273—132.)



1. A puzzle game comprising a platform having a fixed main track, a fixed branch track and at least two movable tracks of which each one is capable of being brought into range alternately with the main track and branch track, at least three members capable of moving through said tracks and an obstruction at the main track preventing the passage of one of said members.

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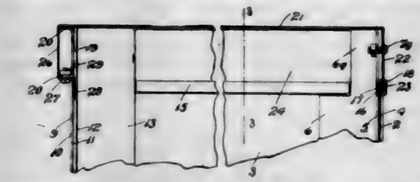
1,560,922. METAL CUPBOARD CONSTRUCTION. PETER M. WEGE, Grand Rapids, Mich., assignor to Metal Office Furniture Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 4, 1924. Serial No. 729,883. 2 Claims. (Cl. 45—71.)

1. In a cabinet of the class described, a back and two spaced apart vertical sides formed of sheet metal, means for connecting the back and sides including two vertical angle members located at the junction of said back and sides, said angle members extending above the upper edges of the back and sides, two additional angle members positioned vertically at the front edges of said sides and likewise extending above the upper edges of the sides, two channel members attached one to each of the front angle members at the upper ends thereof, said channel



members extending inwardly toward each other, a bottom to the cabinet, and a top of sheet metal connected to said channel members and to the upwardly projecting ends of the rear angle members, said top having depending back and side flanges, and means carried by said back and sides into which the lower portions of said flanges seat, substantially as described.

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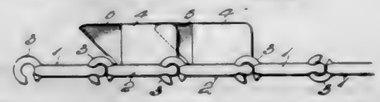
1,560,923. SPROCKET-CHAIN LINK. HARRY H. WEST, Kingston, Pa. Filed Dec. 22, 1924. Serial No. 757,572. 2 Claims. (Cl. 66—19.)



1. An improvement in a sprocket-guided pattern chain or analogous chain of a type including a pair of one-piece links each having parallel sprocket-straddling side bars and parallel sprocket-tooth-engaging end bars, one link having one of its side bars of less thickness than one of its end bars at its point of juncture with the latter, a hook on the adjacent end bar of the other link engageable with and disengageable from one said end bar only when the two links are angled to permit lateral passage of said one side bar past the hook bill, and lugs projecting from the sides of the links remote from their sprocket-engaging sides; said improvement consisting in disposing the aforesaid hook bill at the sprocket-engaging side of the chain, whereby angling of the links to connect or disconnect them will not move said lugs into such relation with each other as to interfere with relative lateral shifting of the two links.

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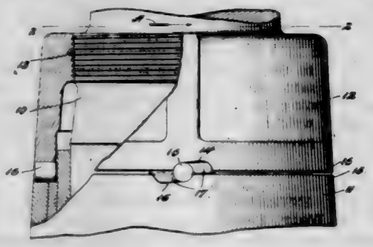
1,560,924. LOCKING DEVICE FOR MANTLE NUTS. WILLIAM S. WESTON, Columbia, S. C. Filed Apr. 6, 1923. Serial No. 630,352. 3 Claims. (Cl. 85—10.)



1. In a device of the class described, in combination, a shaft, a mantle member fixed thereon, a nut member threaded on the shaft, said members having their adjacent edges notched, and a pin in registering notches of

said members, said pin being of such thickness as to prevent contacting of the adjacent edges of said members whereby it transmits the thrust of the mantle to the nut without permitting said nut to become jammed against the mantle.

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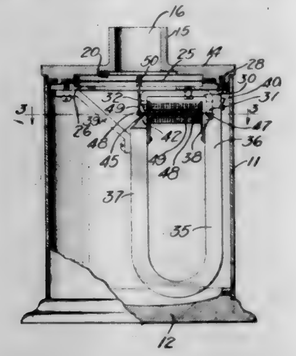
1,560,925. LOUD SPEAKER. DELMAR A. WHITSON, Los Angeles, Calif., assignor, by mesne assignments, to Stentorphone Company, Los Angeles, Calif., a Corporation of California. Filed Aug. 30, 1922. Serial No. 585,159. 7 Claims. (Cl. 179—108.)



1. In a loud speaker, the combination of: a pair of depending magnets placed in substantially the same vertical plane and with the positive pole of each magnet adjacent to the negative pole of the other magnet, a positive pole of one of said magnets being directly in contact with a negative pole of the other of said magnets; an armature having one end secured to one of said magnets and the other end thereof extending between the negative pole of one of said magnets and the positive pole of the other of said magnets; an exciting coil surrounding said armature for creating a flow of magnetic flux therein having a density corresponding to the strength of current flowing through said coil; a diaphragm; a shell surrounding said magnets; link means for imparting the movement of said armature to said diaphragm; and means for supporting said diaphragm horizontally at the top of said shell.

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1,560,926. METHOD OF PRODUCING AN ALLOTROPIC FORM OF SULPHUR. HENRY H. WILKINSON, Brooklyn, N. Y., assignor to Union Sulphur Company, a Corporation of New Jersey. Filed Dec. 20, 1923. Serial No. 681,822. 7 Claims. (Cl. 23—227.)

1. A process for the production of an allotropic form of sulphur consisting in heating sulphur under a practical vacuum in a still until the sulphr has liqefied and gives off vapors, transferring said vapors still under vacuum and assisted by a current on non-oxidizing gas substantially inert to the sulphur, into a vacuum receiver, then condensing said vapors still under vacuum, the finished product forming finely divided, deep yellow, highly purified, light weight, allotropic sulphur of substantially equal sized particles, and free from sulphur dioxide.

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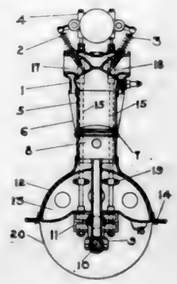
1,560,927. INTERNAL-COMBUSTION ENGINE. AUSTIN M. WOLF, Plainfield, N. J., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed July 18, 1917, Serial No. 181,202. Renewed June 8, 1923. 14 Claims. (Cl. 123—195.)

1. In an internal combustion engine, the combination of a cylinder head and cylinder, a crank shaft, bearings for the crank shaft, stress rods connecting said head and bearings in fixed relation and supporting said head and cylinder, and a crank case secured to said bearings,



having a stiff arched upper portion, having a cylindrical opening therein, in which the lower end of said cylinder is mounted with a sliding fit.

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1,560,928. SCOOTER SLED. JOSEPH WOLPERT, New Brunswick, N. J. Filed Mar. 9, 1925. Serial No. 14,157. 1 Claim. (Cl. 280—16.)

A sled comprising a platform, a single rear runner rigidly secured beneath the platform along the longitudinal center thereof, a single front runner disposed in a line with the rear runner, a steering head including a platform engaging disk, spaced ears depending from the disk to receive the front runner, a standard extending upwardly from the disk through the platform, a tubular member extending through and rotatable in the platform and receiving the standard, a flanged bearing sleeve engaging the upper face of the platform and receiving the tubular member, means extending through the bearing sleeve, tubular member and standard to rigidly connect the same and a handle for the tubular member.

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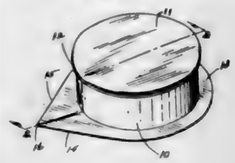
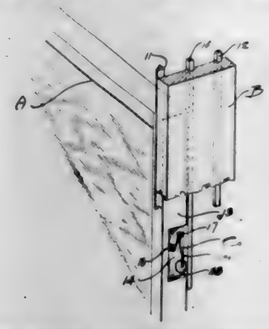
1,560,929. KITCHEN UTENSIL. ROBERT G. WOODS, Newton, Iowa. Filed Feb. 2, 1925. Serial No. 6,814. 2 Claims. (Cl. 15—236.)



1. In a pot and pan scraper, a circular wall portion, a cap portion over said wall portion, and an outward and downwardly extending peripheral flange portion from said wall portion, said flange having a point on its periphery and so designed that the edges of said flange leading from said point extend for considerable distances in straight lines substantially at right angles to each other, said flange being beveled on its lower face.



1,560,930. AUTOMATIC WINDOW ADJUSTER. EDWARD A. WRIGHT, Wichita, Kans. Filed Jan. 3, 1922. Serial No. 526,681. 4 Claims. (Cl. 292—77.)



1. A sash retainer comprising a resilient wire element bent to provide a pair of arms extending at acute angles to each other, said arms having an attaching loop at their juncture point, one of said arms having its free end looped to provide a slot substantially concentric with the attaching loop, and a roller element mounted for rotation upon the free end of the second arm.

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1,560,931. CONCRETE PIPE JOINT, MEANS AND METHOD OF FORMING THE SAME. PHIL EASTERDAY, Portland, Oreg., assignor to Concrete Pipe Company, Portland, Oreg., a Corporation of Oregon. Filed Apr. 17, 1923. Serial No. 632,764. 21 Claims. (Cl. 25—127.)

8. The process of forming a concrete pipe, consisting in laying pipe sections in end-to-end relation, filling the joint between said sections with plastic cement material, securing a mold containing an annular channel about said pipe to cover said joint, introducing a stream of plastic cement material into said channel under pressure, and causing said stream to flow about said channel in a unitary circular direction to completely fill the channel.

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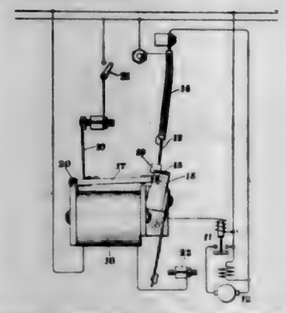
1,560,932. THERMAL RESPONSIVE CIRCUIT CONTROLLER. JOHN EATON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 27, 1923. Serial No. 659,426. 18 Claims. (Cl. 175—294.)



5. A thermal responsive circuit controller comprising a switch member biased to the open position, a thermostatic latch arranged to hold the switch member in the closed position, and arranged to flex when heated and release the switch member to move to the open position, and electroresponsive means energized responsively to the cooling of the said thermostat for returning the said switch member to the closed position.

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1,560,933. GALVANIZING FLUX. UMEJIRO EMURA, Tokyo, Japan, assignor to Teiji Yamanouchi, Tokyo, Japan. Filed May 26, 1922. Serial No. 563,964. 3 Claims. (Cl. 91—70.)

1. A galvanizing flux comprising ammonium chloride, a strontium bearing material, sulphur, a bismuth bearing material, and alkali metal compounds, substantially as set forth.

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1,560,934. ALTERNATING-ELECTRIC-CURRENT PROTECTIVE APPARATUS. ALAN STEWART FITZ GERALD, Finchley, England, assignor to General Electric Company, a Corporation of New York. Filed July 18, 1923. Serial No. 652,276. 15 Claims. (Cl. 175—294.)



1. A protective arrangement for parallel alternating electric current circuits comprising biasing transformers associated with the individual circuits and having their windings so connected and arranged that current in the secondary winding of the biasing transformer of one circuit is restrained by current proportional to the current in another circuit.

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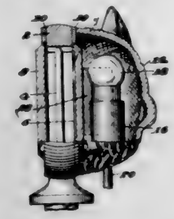
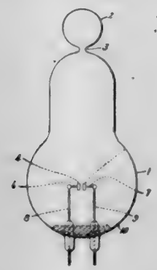
1,560,935. ATTACHMENT FOR TEMPERATURE-INDICATING DEVICES. IRVING FLORMAN, New York, N. Y. Filed Jan. 30, 1925. Serial No. 5,822. 2 Claims. (Cl. 240—8.28.)



1. In combination with a temperature indicating device for an automobile radiator, a casing adapted to fit against the front face of said indicating device, the said casing being provided with an opening in each side thereof, ribs within said casing adjacent the sides of said opening, the said ribs being undercut to provide a guideway, transparent windows for covering said openings and adapted to fit within said guideways, means within the casing for projecting rays of light through said windows and for illuminating the said indicating device, and means for securing said casing to said device.

**1,560,936. MERCURY-VAPOR DEVICE.** JONATHAN FORCE, Livingston, N. J., assignor to General Electric Company, a Corporation of New York. Filed July 11, 1922. Serial No. 574,239. 4 Claims. (Cl. 176—16.)



4. An electric lamp comprising the combination of a sealed glass bulb, a refractory body therein constructed to operate at incandescence, a quantity of mercury and means for producing on the inner surface of said bulb a layer of oxygenous material so thin as to be without appreciable effect on the transparency of said bulb but effective to prevent a deposit of mercury thereon.

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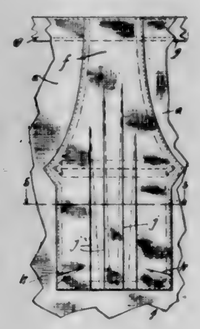
**1,560,937. POCKET FOR APRONS OR OTHER GARMENTS.** ADDIE JENKINS, Portland, Oreg., assignor to C. L. Du Bois, Portland, Oreg. Filed Apr. 27, 1922. Serial No. 556,936. 5 Claims. (Cl. 2—247.)



1. An apron-like garment provided with a tying band and formed with an elongate slit constituting the mouth of a pocket, and a lining secured to the material of the garment and extending above and below the elongate slit, the upper end of the lining being secured substantially in line with the tying band and materially above the elongate slit, said lining being formed with vertical plaits or folds extending materially above and below the elongate slit, whereby to provide a pocket having an article receiving portion above and below the entrance to the pocket with the wall of the pocket of extra fullness both above and below the pocket entrance.

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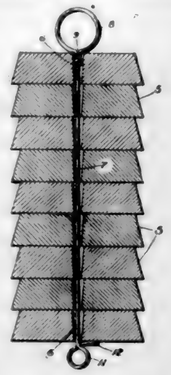
**1,560,938. INGOT CARRIER.** JOHN T. LUND, Seattle, Wash. Filed Mar. 8, 1924. Serial No. 697,778. 1 Claim. (Cl. 206—65.)

The combination with a plurality of ingots respectively provided with centrally disposed apertures, of a rod extending through said apertures, said rod being formed at one end with a ring shaped loop, and a coiled neck portion extending into the adjacent aperture, the



other end of the rod being bent to provide a stop to prevent the accidental displacement of the ingots from the rod.

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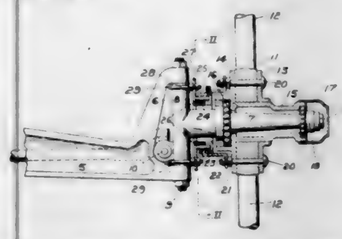
**1,560,939. SAFETY APPLIANCE FOR VEHICLE WHEELS.** BURTON MCPHILLIAMY, Vandergrift, Pa. Filed Nov. 13, 1923. Serial No. 674,508. 4 Claims. (Cl. 301—122.)



1. The combination with a wheel hub and spindle assembly, of a centrally apertured member secured to the hub, a bushing passed through the aperture of said member and secured to a part of the spindle assembly, means extending into the aperture of said member providing an anti-friction bearing between said member and bushing, and means on the bushing for limiting the lateral movement of said apertured member relatively thereto.

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**1,560,940. GOLF ACCESSORY.** WILLIAM A. F. MACCALLUM, Philadelphia, Pa. Filed Oct. 31, 1924. Serial No. 746,949. 7 Claims. (Cl. 273—35.)

1. A device of the character stated comprising a base having an elevated open-top, forward portion and a rear portion, a member symbolic of a golf ball pivotally mounted in the opening at the base front said member being formed of strips of relatively yielding material glued together and a spring connecting the bottom of said member and the base rear for normally maintaining said member in a vertical postion with the major portion thereof projected above said elevated base part.



**1,560,941. ORNAMENTED SURFACE AND METHOD OF FORMING THE SAME.** HERMAN C. MILLER, Canton, Ohio, assignor to The United Metal Products Company, Canton, Ohio, a Corporation of Ohio. Filed July 13, 1925. Serial No. 43,214. 7 Claims. (Cl. 41—24.)

1. The ornamenting process which consists in applying a plastic coating to a surface to be ornamented, forming ribs and valleys in said coating, hardening the coating and cutting away the high points of the ribs.

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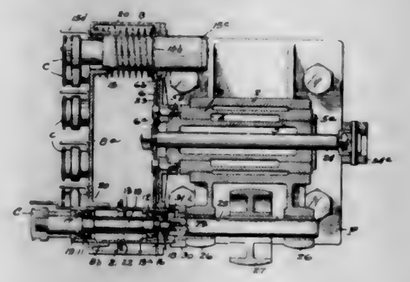
**1,560,942. SHOE-SOLE-TRIMMING MACHINE.** SAMUEL PLAWKER, San Francisco, Calif. Filed Mar. 3, 1922. Serial No. 540,734. Renewed May 2, 1925. 24 Claims. (Cl. 12—84.)



1. In a sole trimming machine, a main bearing, a turret head shaft, a turret head on said shaft, a set of cutter shafts in said head and extending at one end therethrough, a drive shaft spaced laterally from the axis of the turret: all the shafts being parallel, and means within the head for concurrently shifting all the cutter shafts axially in the head while maintaining their parallelism so that any one of them may be operatively connected to the drive shaft.

24. In a sole trimming machine, a main shaft, a cutter, a cutter drive shaft, transmission means connecting the shafts, and means for raising and lowering the drive shaft to present the driven cutter at a convenient position according to the height of the individual working at the machine; said raising and lowering means including a bearing, for the drive shaft, oscillating on the main shaft.

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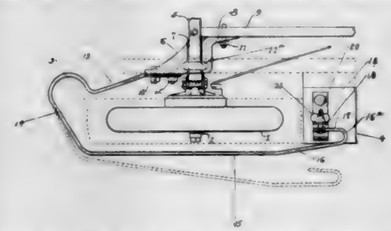
**1,560,943. FENDER.** JAMES H. SAGER, Rochester, N. Y., assignor to J. H. Sager Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 7, 1924. Serial No. 742,239. 6 Claims. (Cl. 293—57.)

1. In combination with a vehicle frame having a longitudinally extending bar and a rear transversely extending bar projecting beyond said longitudinally extending bar, a wheel supporting said frame, a mud guard above the wheel, a step connected at one end of the mud guard, a bracket formed with a socket in its upper face receiving the projecting end of the transversely extending bar, a U-shaped bolt passing above said projecting end of the transversely extending bar and through said bracket, and a mud guard fender extending rearwardly from the bracket, outwardly through the vertical



plane of the mud guard, and forwardly across the outer face of the edge of the mud guard, and secured to said step.

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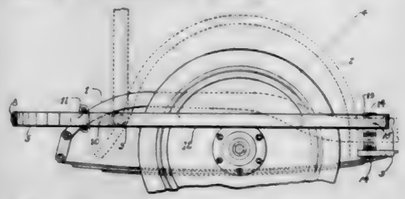
**1,560,944. MUD-GUARD FENDER FOR MOTOR VEHICLES.** JAMES H. SAGER, Rochester, N. Y., assignor to J. H. Sager Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 7, 1924. Serial No. 742,240. 2 Claims. (Cl. 293—57.)



1. The combination with a vehicle frame, a wheel supporting said frame, a mud guard associated with said wheel, and a step secured at one end to the mud guard, of a bracket secured to said step, and a fender for the mud guard secured to said bracket having a portion extending to one side of the bracket to protect the latter against blows, said fender also extending across the outer edge of the mud guard and the outer face of the wheel and being secured to the frame at the opposite end of the mud guard.

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**1,560,945. CLIMBING FIGURE TOY.** GEORGE R. SECREST, McRae, Mont., assignor of one-half to Hubert Nicholls, McRae, Mont. Filed June 19, 1924. Serial No. 721,079. 4 Claims. (Cl. 46—37.)

1. A toy of the class described including a hollow pole, a pulley rotatably mounted in the upper end of the pole,

a weight on one end of the cable, a figure movable exterior of the pole and connected with the other end of the cable, a receptacle carried by the figure, said receptacle being pivotally mounted, a hopper positioned on the upper end of the pole and provided with a depending spout having a valve associated therewith, means on the receptacle for engaging the valve to open the same in order that material may flow from the hopper into the receptacle to overcome said weight and to cause said figure to move downwardly, and means at the bottom of the pole for tripping the receptacle to empty the same in order that the weight may again lift the figure all in the manner and for the purpose specified.

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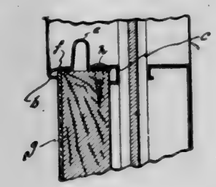
1,560,946. DOOR PULL HANDLE. EMORY GLENN SIMPSON, Highland Park, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 15, 1923. Serial No. 2,595. 5 Claims. (Cl. 16—110.)



1. A piece of automobile door hardware, comprising a garnish moulding provided with a slot, and a pull-to fixture comprising a separate member having a base secured to the under side of the garnish moulding and having a pull-to rib passing through the slot in the garnish moulding.

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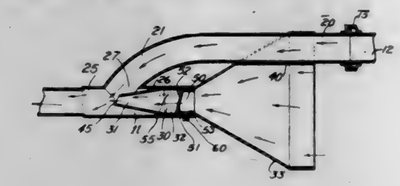
1,560,947. EXHAUST MUFFLER FOR INTERNAL-COMBUSTION ENGINES. DOROTHY M. SKELTON, Los Angeles, Calif., assignor to Willis A. Skelton, Los Angeles, Calif. Filed Apr. 28, 1921. Serial No. 465,146. 3 Claims. (Cl. 137—160.)



1. In a muffler, the combination of: a discharge pipe; a delivery pipe to deliver exhaust gases from the motor into said discharge pipe; a nozzle in said discharge pipe through which a flow of air is interspersed between the impulses of exhaust gases by the passage of said exhaust gases across the mouth of said nozzle; a check valve located centrally within said nozzle for preventing a reverse flow therethrough; and a collector to direct a flow of air through said nozzle, said delivery pipe extending through a sleeve in said collector.

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1,560,948. HEADLIGHT. RALPH L. SMOTHERS, Salina, Colo., assignor of one-half to Ralph L. Chrisman, Salina, Colo. Filed Mar. 22, 1924. Serial No. 701,107. 2 Claims. (Cl. 240—45.6.)

1. The combination with a headlight, of a shutter adjustable to a position in which it covers the lower portion of the normally unobstructed front of the headlight, a shade adjustable to a position in which it slants downwardly over the upper portion of said front, and mechanism for moving the shutter and the shade in unison to their said adjusted positions.

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1,560,949. AZODYESTUFF. RICHARD STÜSSER, Köln-Deutz, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Apr. 15, 1924. Serial No. 706,755. 2 Claims. (Cl. 260—77.)

1. The herein described new azodystuffs, which are after being dried and pulverized in the shape of their alkali metal salts yellowish to black powders soluble in water and in concentrated sulfuric acid generally with from yellow to violet coloration, yielding upon reduction with stannous chloride and hydrochloric acid 4.4'-diaminodiphenylurea-3.3'-dicarboxylic acid and aromatic amines; dyeing cotton generally from yellow to violet to green shades, which when aftertreated with metal salts yield shades very fast to light and to washing, substantially as described.

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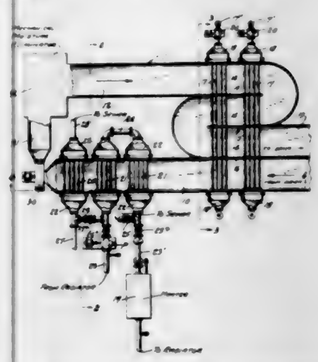
1,560,950. AIR-TREATING APPARATUS FOR DRIERS. WILLIAM FRED THIELE, Wisconsin Rapids, Wis. Filed Sept. 9, 1922. Serial No. 587,251. 15 Claims. (Cl. 34—18.)



1. An air drying system for driers comprising a feed duct, a separate discharge duct, and heat transfer means thermally related to the said ducts for receiving heat from the air in the discharge duct and communicating this heat to air in the feed duct.

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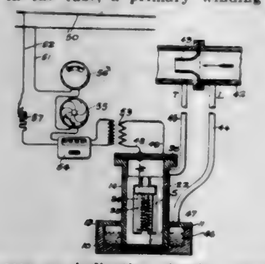
1,560,951. FLOW METER AND THE LIKE. LOUIS W. THOMPSON and JACOB W. MCNAIRY, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Apr. 17, 1923. Serial No. 632,759. 18 Claims. (Cl. 177—351.)

17. In an instrument of the character described, the combination of a tube having a conducting liquid therein, the level of which may be raised and lowered in the tube, a transformer core which provides a closed magnetic circuit in the tube, a primary winding inside the tube on the core, an indicating circuit connected to the primary winding, and a source of potential in said indicating circuit.



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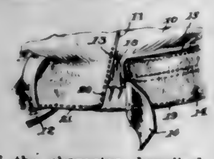
1,560,952. ADJUSTABLE CAP. ISIDOR K. TRAU, Louisville, Ky. Filed Apr. 24, 1922. Serial No. 556,200. 2 Claims. (Cl. 2—197.)



1. A cap of the character described, having a body provided with slits extending upward from its bottom edge, the bottom edge portion of said body in front of said slits depending below the bottom edge portion of the body at the rear, a band having its middle portion stitched at its upper edge to the bottom edge of the rear portion of said body, a visor stitched to the bottom edge of the front portion of the body, said band having its ends extending forwardly over said slits, adjustable connecting means for the forward ends of said band, and a lining having its bottom edge stitched at the rear to the bottom edge of the band and at the front to the bottom edge of he body, said lining being further stitched to the material at the front edge of each slit in a line extending substantially parallel with said front edge, said lining extending continuous from front to back across the slits within the cap.

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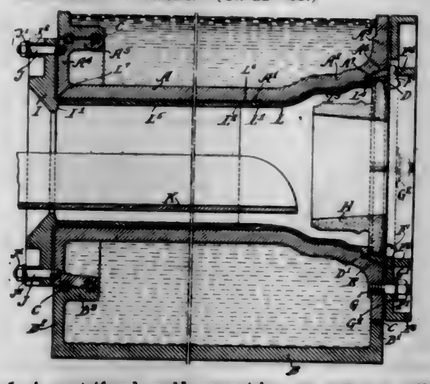
1,560,953. CENTRIFUGAL MOLD. JOHN H. UHRIG, Beverly, N. J., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed Feb. 21, 1923. Serial No. 620,330. 7 Claims. (Cl. 22—65.)



1. A centrifugal mold comprising an outer metallic tubular member with comparatively thick walls and an inner thin walled metallic tubular member the external diameter of which is less than the inner diameter of the outer member when both members are cold and so proportioned that the inner member will contact with the outer member when said inner member is expended by the heat of a charge of molten metal.

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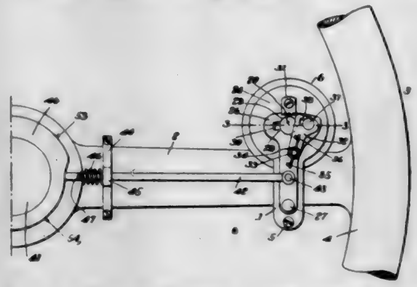
1,560,954. AUTOMATIC RELEASE SWITCH. WARREN A. UPRIGHT, Highland, and JAMES F. SHERRILL, San Bernardino, Calif. Filed Nov. 4, 1924. Serial No. 747,742. 4 Claims. (Cl. 200—59.)



1. In a switch as disclosed, a push button plunger, a pair of contacts, means whereby said contacts are brought into engagement by said plunger when depressed, a latch for engaging said plunger and holding it depressed with said contacts in engagement, an arm, automatic means for swinging said arm in one direction to disengage said latch from said plunger and to cause the arm to engage the plunger and to hold it depressed and to hold said contacts in engagement, and means for swinging said arm in the other direction to release said plunger to allow it to return to its initial position and said contacts to separate and open the switch.

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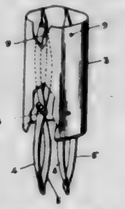
1,560,955. PEN AND PENCIL HOLDER. WILLIAM W. WALTERS, Rochester, N. Y. Filed Feb. 6, 1925. Serial No. 7,283. 4 Claims. (Cl. 24—11.)



1. In a pencil and pen holder, the combination of a casing, a sleeve adapted to telescope into said casing, a pair of spring fingers mounted transversely within said sleeve forming a partition within said sleeve, said pair of spring fingers being locked together and bulging out in either direction to form yielding friction members that decrease the space of the sections formed by the partitions.

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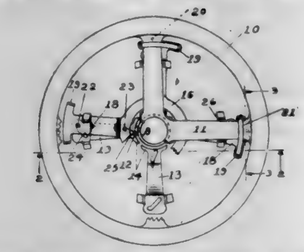
1,560,956. SIGNAL SWITCH DEVICE FOR STEERING WHEELS. BLISS B. WELLS, Saginaw, Mich., assignor of one-half to Herbert C. Remer, Saginaw, Mich. Filed Sept. 27, 1921. Serial No. 503,512. 4 Claims. (Cl. 200—59.)

1. In a motor vehicle, a steering wheel, a make-and-break switch, a switch-operating mechanism comprising a switch operating lever, a plurality of longitudinally movable, radially disposed bars carried by the arms of said steering wheel, the inner ends of said bars formed to comprise together an expansible ring surrounding the hub of said steering wheel and said switch-operating lever, a spider capable of limited rotation on said wheel,

arms on said spider, lugs on the outer ends of said arms, and means operatively connecting the arms of said spider with the respective longitudinally movable bars, whereby limited rotary movement of any spider arm produces



simultaneous advancement or retraction of all of said longitudinally movable bars to actuate said switch-operating lever regardless of the rotated position of the steering wheel.

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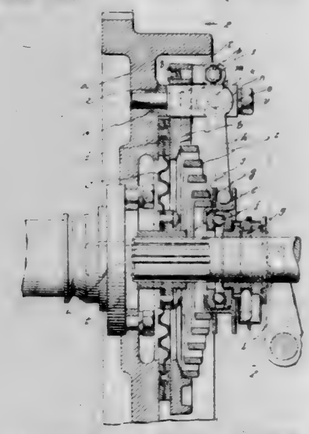
1,560,957. CLUTCH. ERNEST E. WEMP, Detroit, Mich. Filed Dec. 24, 1923. Serial No. 682,446. 15 Claims. (Cl. 192—68.)



4. In a clutch, the combination of driving and driven members provided with faces arranged to engage and including a thrust ring, studs supported on the thrust ring, posts having a fixed relation, levers for multiplying the pressure fulcrumed on said posts and having lost motion connections with said studs, and a clutch spring thrusting between the power ends of the levers and the thrust ring whereby in declutching the indirect and multiplied pressure is first relieved and then the direct pressure of the spring, and in engaging the clutch the converse action takes place.

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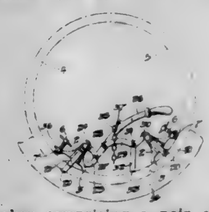
1,560,958. RIM BREAKER. WALTER JAMES WILKINSON, Caulfield, and BERNARD ANDREW HAMILL, East Melbourne, Australia. Filed May 8, 1925. Serial No. 28,877. 6 Claims. (Cl. 157—1.)



1. A rim breaker comprising a pair of rim gripping elements, each comprising a body member, a pair of claws pivoted at their inner ends to said body member and adapted at their outer ends to engage opposite sides of the wheel rim, a clamping screw carried by said body member and adapted to clamp the rim between said body member and the outer ends of said pivoted claws, screw adjustment means associated with said claws whereby the pivoted inner ends of the latter may be moved towards or from the wheel rim, a hand lever pivotally connected with one of said gripping elements, and a link pivotally connected between said hand lever and the other rim gripping element.

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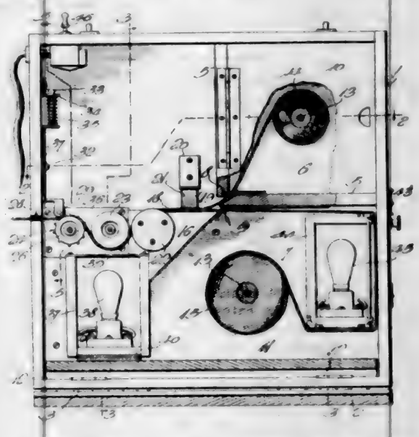
1,560,959. PHOTOGRAPHIC-PRINTING DEVICE. THOMAS CARROLL WILLSON, Philadelphia, Pa. Filed May 23, 1924. Serial No. 715,412. 5 Claims. (Cl. 95—75.)



1. A photographic printer comprising a hollow casing provided on the inside with merging partitions dividing it into compartments, strip guiding means mounted in said casing and extending from the point where said partitions merge to one end of said casing, the partition structure at said point being provided with passages leading from two of said compartments, said passages merging into the adjacent inner end of said guiding means, the last mentioned compartments being adapted to receive a supply of developed negative and sensitized photographic strips, and a light mounted in one of said compartments other than the last mentioned to shine upon said strips as they pass along said guiding means.

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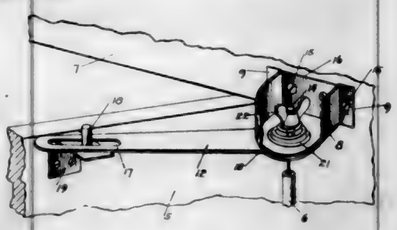
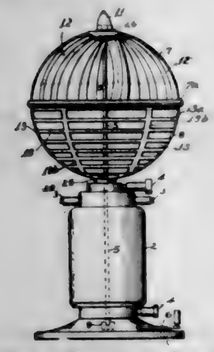
1,560,960. DOORSTOP. FREDERICK YOST, Golden, Colo. Filed Aug. 4, 1924. Serial No. 729,942. 6 Claims. (Cl. 292—275.)



1. A door-stop comprising a support fixed upon the door frame, an arm having a hub-portion pivoted on the support, a spring holding the hub-portion in sliding contact with the support, and means to pivotally connect the outer end of the arm with a door hinged in the frame.



1,560,961. ELECTRIC FAN. SOCRATES A. XIPPAS, Pittsburgh Pa. Filed Aug. 14, 1924. Serial No. 731,991. 13 Claims. (Cl. 230—1.)



1. An electric fan or blower, comprising a motor shaft, and a disc mounted axially and obliquely thereon for rotation having wings or impellers, bent at right angles to each other.

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1,560,962. CABINET IRONING BOARD. CHARLEY D. AGEE, Dallas, Tex. Filed Oct. 17, 1922. Serial No. 595,043. 7 Claims. (Cl. 68—10.)

1. In an ironing board cabinet, a casing having a horizontal support at the front, an ironing board movably mounted therein, a sliding door, a flexible looped connection secured at one end to the casing above said support and at its opposite end to the door, and bearings upon the inner end of the board and the upper portion of the casing for the oppositely looped portions of said connection, whereby the board and door are operated conjointly.

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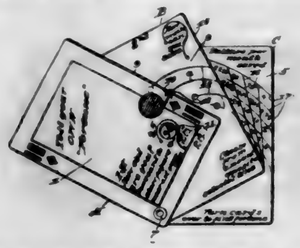
1,560,963. CALCULATOR. CARL W. ANT, Spokane, Wash. Filed Nov. 26, 1924. Serial No. 752,487. 2 Claims. (Cl. 235—185.)

1. A calculator comprising an outer selector card, an intermediate indicating card, an outer periodic card, said cards being movably united for selective adjustment of the cards with respect to each other, said selector card having an age number disclosing opening and a periodic index device on its obverse face, said indicating card having a series of age indicative numbers arranged for disclosive registry through said opening and also a series of continuity lines on its obverse face for registry with said index device, said periodic card having on its obverse face a series of columnar arranged periodic numbers adapted for registry with said continuity lines in transverse relation to the columnar division of said numbers, whereby the selected age may be brought into selected registry with a series of periodic numbers, and



the reverse face of said indicating card having totalizing amounts for registry with the reverse side of said periodic card thereby totaling the aggregate amount of the selected transverse periodic numbers on the obverse face of said periodic card.

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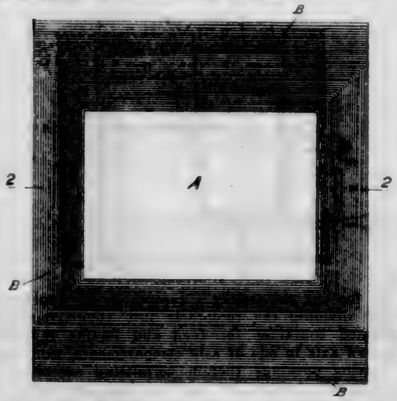
1,560,964. SCREEN FOR MOTION PICTURES. SAMUEL BARDY, Philadelphia, Pa., assignor, by mesne assignments, to Bardy Projector Co., Philadelphia, Pa., a Corporation of Delaware. Filed Apr. 14, 1922. Serial No. 552,476. 3 Claims. (Cl. 88—24.)



1. A screen of the character described having an exhibiting surface, and a glossy reflecting border surrounding said surface, the surface of the border being at a sufficiently great angle to the exhibting surface to deflect the rays of light directed on the border away from the eyes of the observer.

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1,560,965. PROCESS OF SPINNING ARTIFICIAL SILK AND OTHER FILAMENTS FROM CELLULOSE MATERIALS. HARRY P. BASSETT, Cynthiana, Ky., and THOMAS F. BANIGAN, Philadelphia, Pa., assignors to Meigs, Bassett & Slaughter, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 17, 1923. Serial No. 639,655. 2 Claims. (Cl. 18—54.)

1. The process of spinning acetyl nitro cellulose which comprises delivering a solution of acetyl nitro cellulose in acetone from a spinneret through a shallow body of acetone and water, and then delivering the thread formed through a body of air of appreciable depth.

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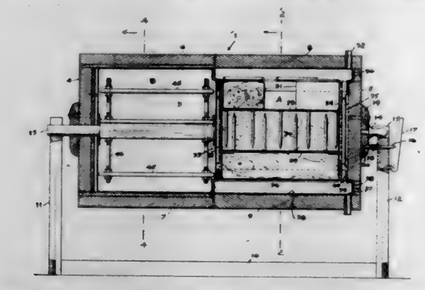
1,560,966. ICE BOX. LAUREN M. BOWLUS, San Luis Obispo, Calif. Filed Aug. 23, 1923. Serial No. 658,891. 3 Claims. (Cl. 62—31.)

3. An ice box comprising a receptacle, a partition dividing the receptacle into two compartments, an ice

chamber in one of said compartments, said compartment having openings in opposite sides thereof, closures for said openings, a support on which said receptacle is reversibly mounted, which support includes a stationary



member extending into the other compartment, said other compartment having an opening therein, a closure for said opening and a plurality of horizontal shelves fixed to said member and relative to which said receptacle is movable.

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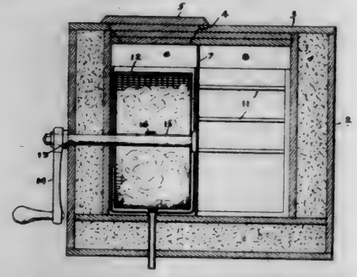
1,560,967. ICE BOX. LAUREN M. BOWLUS, San Luis Obispo, Calif. Filed Aug. 27, 1923. Serial No. 659,562. 6 Claims. (Cl. 62—31.)



1. An ice box comprising a receptacle, an imperforate partition dividing the receptacle into compartments, a foraminated container for food and liquids revolvable on its own axis in one of said compartments, said receptacle having openings therein permitting access to its compartments, closures for said openings and means for moving the revolvable container into different positions with respect to one of said openings to provide for the storing and removing of food and liquids relative to said container.

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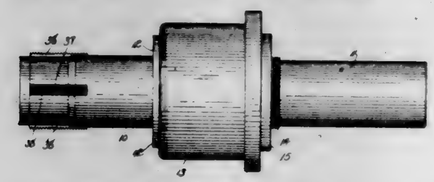
1,560,968. COLLAPSING TAP. ALBERT F. BREITENSTEIN, New Haven, Conn., assignor to The Geometric Tool Co., New Haven, Conn. Filed Feb. 9, 1924. Serial No. 691,584. 2 Claims. (Cl. 10—145.)



1. In a collapsing tap, the combination with the body, chasers, plunger and collapsing-spring thereof; of a ring having sliding movement upon the said body and formed with a transverse slot, a segmental detent located in the said transverse slot and having movement therein in a plane transverse to the axis of the tap, an operating-sleeve having sliding movement upon the said ring and co-acting with the said detent to force the same into its retired position in the said slot, and a detent-abutment ring having an annular flange entering the said sleeve into position to co-act with the said detent when in its operating position for holding the cutters in their projected positions and against the power of the said spring.

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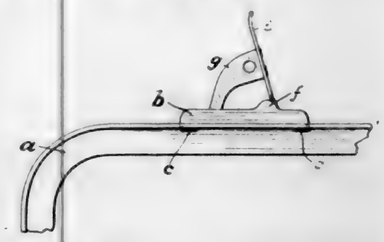
1,560,969. BAG FASTENER. JOSEPH BREZIN, Philadelphia, Pa., assignor, by direct and mesne assignments, to National Metal Stamping Company, a Corporation of Pennsylvania. Filed Oct. 24, 1923. Serial No 670,411. 6 Claims. (Cl. 292—228.)



1. A bag fastener comprising a casing having openings therethrough, a locking bolt extending through one of the openings in the casing and a pivotal member also extending into the casing, a retainer plate in the casing, there being a pivotal connection between the bolt and retainer plate, and a spring plate interlocked at both ends with the retainer plate and engaging the pivotal member of the bolts intermediate its ends for retaining the parts in their assembled relation.

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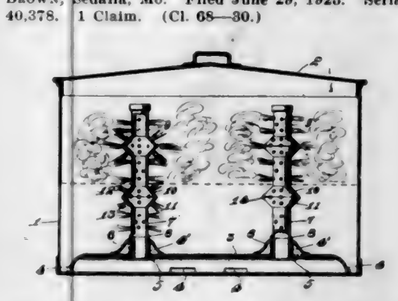
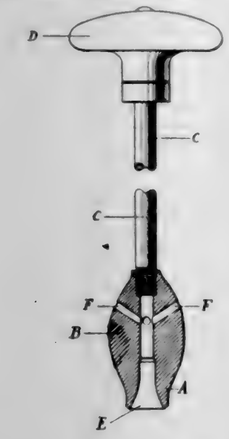
1,560,970. WASH BOILER PERCOLATOR. CLYDE M. BROWN, Sedalia, Mo. Filed June 29, 1925. Serial No. 40,378. 1 Claim. (Cl. 68—30.)



The combination with a boiler having clothes therein to be washed and a fluid for washing said clothes also therein, of a means for circulating the fluid around the clothes in all directions for cleaning said clothes, said means comprising a hollow base resting on the bottom of the boiler and having notches providing fluid inlets therethrough, the top of the base having openings therethrough, a sleeve received in each of the openings having its lower end flanged outwardly to contact with the inner face of the top of the base, the outer edge of each sleeve being rounded downwardly and outwardly for contacting engagement with the top of the base, a perforated pipe having an outer closed end received in each of the sleeves, each of said pipes having an outstanding flange to rest on the sleeve and each of said pipes having spaced outwardly bulged portions defining walls which are arranged at opposite angles to each other, and which walls are perforated, as are the apexes of said bulged portions.



1,560,971. INSTRUMENT FOR DISHORNING CALVES BY CAUTERIZATION. FLORENCIO MARTINEZ BULA, La Plata, Argentina. Filed May 2, 1923. Serial No. 636,257. 2 Claims. (Cl. 128—303.)



1. In a cauterizing instrument a metal member having a bore extending longitudinally therethrough and having branch channels extending from the bore through said member, one end of said bore being flared and the intermediate portion of said member having a greater diameter than either of the ends.

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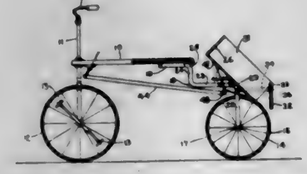
1,560,972. THREE-WHEEL DUMP CART. ANDROV H. CARLSON, Bridgeport, Conn. Filed June 12, 1924. Serial No. 719,531. 2 Claims. (Cl. 298—19.)



1. In a dump cart of the character described, a frame, a cart body pivotally mounted thereon, a tail gate pivoted to said cart body, a link pivoted to the frame and to the tail gate, means consisting of a tension member on said body, a control lever, a connecting bar between the control lever and tension member for swinging the cart body on its pivot to tilt said body and thus swing the tail gate on its pivot away from the cart body, and means consisting of said connecting bar when moved against the resiliency of said tension member beyond a dead center position of said control lever and a fixed part upon said dump cart limiting movement of said connecting bar beyond said dead center position for locking the cart body in normal, untilted position.

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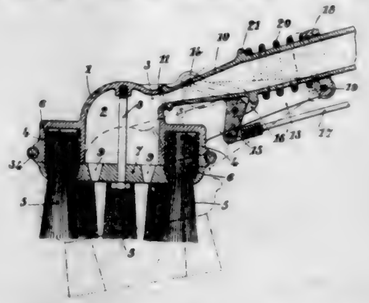
1,560,973. FOUNTAIN BRUSH. JULES JEAN CHÉRON, Paris, France. Filed Nov. 21, 1922. Serial No. 602,438. 3 Claims. (Cl. 15—128.)

1. A fountain brush comprising a hollow head, a hollow handle through which water may be supplied and adapted to communicate with the hollow head, brushing elements secured to the hollow head, a ring member slidably mounted on the handle and upon which the hollow head is pivotally mounted, a spring acting on said ring member, for pressing the hollow head against the discharge end of the handle, an operating rod and a bell



crank lever which is pivoted on the handle and pivotally connected to the operating rod and hollow head.

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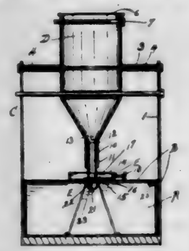
1,560,974. BALL-COUPON DISTRIBUTOR. ERNEST E. CLAYS, Salt Lake City, Utah. Filed Apr. 6, 1925. Serial No. 21,155. 2 Claims. (Cl. 273—144.)



2. In a device of the class described the combination of ball coupons marked to indicate the different values; a container adapted for lateral rotation to mix said coupons; a normally depending neck portion having a sight opening means to open and close the said neck whereby a single coupon will fall from the said neck, a box beneath said neck having a glazed cover, with a hole in the said cover in alinement with the bore of said neck.

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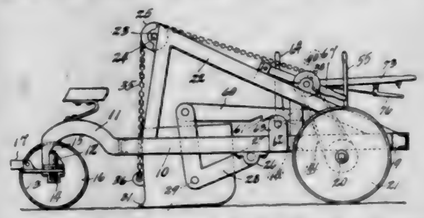
1,560,975. EXCAVATING AND SCRAPING MACHINE. MICHAEL COLLINS, Joplin, Mo. Filed Apr. 11, 1925. Serial No. 22,342. 12 Claims. (Cl. 37—132.)



1. In an excavating and scraping machine, a wheeled supporting frame, a transverse shaft journaled on said frame and provided with retaining notches, a pan disposed in advance of said shaft, bell-crank levers arranged on opposite sides of the pan, each lever having an arm extending rearwardly from the pan and fixed to said shaft and an arm extending upwardly alongside the pan, the pan being eccentrically pivoted to each lever at the angle of intersection of the arms thereof, means coupled to the pan for raising and lowering the pan and the levers and tilting the pan upwardly and rearwardly above

the horizontal when elevated to a predetermined position, retaining lugs at the rear of the pan adapted when so elevated and tilted to engage the retaining notches in the transverse shaft, a transverse latch bar of angular form in cross-section eccentrically journaled on the frame in rear of the pan, means for holding said bar from rotation and releasing it for rotation, and latch dogs pivoted at one end to the upwardly extending arms of the bell-crank levers and notched at their free ends for engagement with said latch bar.

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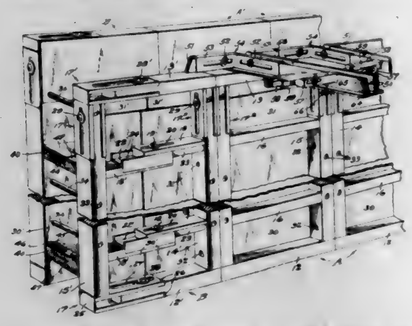
1,560,976. ADJUSTABLE BUILDING FORM FOR CONCRETE CONSTRUCTION. WILLIAM R. C. COOK, Seattle, Wash. Filed Mar. 19, 1925. Serial No. 16,664. 9 Claims. (Cl. 25—131.)



1. In a concrete building form, a form member including a rectangular frame with two-part side and end elements, one part of each such element being provided with two parallel arms of channel shapes in transverse section to receive therein the complementary part of the respective element, and coupling means for adjustably connecting the parts of each element.

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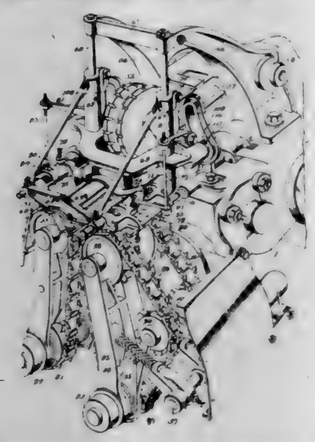
1,560,977. MACHINE FOR DEBUTTING CORN. RALPH COVER, Westminster, Md., assignor to The United Machinery Company, Westminster, Md., a Corporation of Maryland. Filed Sept. 20, 1918. Serial No. 254,989. 49 Claims. (Cl. 146—84.)



49. In apparatus of the character described, the combination with butt-severing means, of a pair of horizontally alined-frusto-conical fluted alinement rolls revolubly mounted with their smaller ends adjacent, said rolls being movable axially to vary the distance between said ends, a pivotally mounted shifting lever for each roll, a cam lever pivoted adjacent each shifting lever, each said cam lever having a cam slot and being provided with a projection arranged to engage the shifting lever upon outward movement of said cam lever, spring means tending to move each shifting lever inward when its cooperating cam lever moves inward, a supporting member pivoted on a fixed horizontal axis parallel to that of said alinement rolls and up to the rear or feeding-in side thereof, a concave fluted lifting roll revoluble upon a horizontal axle carried by said supporting member, said axle being parallel with the axis of said alinement rolls and substantially vertically above the same, said concave roll being arranged to rest upon an ear passing over said alinement rolls on its way to said butt-severing means, a pair of spaced vertical guides arranged closely adjacent said axle, a carriage having tubular portions embracing said guides for vertical sliding movement thereon, links each pivoted at one end on said axle and at the other on one of said tubular portions at a point overhanging said axle, a downwardly concave guide plate horizontally mounted on said carriage at a level somewhat higher than the upper peripheries of said alinement rolls and extending forward from a point adjacent said rolls, said plate having a narrow portion extending rearwardly and lying within the concave periphery of said lifting roll between it and said alinement rolls, two pairs of depending wings pivoted to said carriage adjacent to but on opposite sides of said guide plate, the wings on each side being spaced apart, springs tending to swing the opposed wings inward toward each other and up toward said guide plate, an abutment lug on each wing, stop means adapted to engage the wing lugs when the carriage is in its lowermost position and thereby to limit the inward swing of the wings, wing spreaders each pivoted adjacent a pair of said wing lugs and operable to engage the same to spread the wings, arms fixed to the opposite ends of the lifting roll axle and extending forward therefrom, and connected to said wing spreaders to actuate the same when the carriage rises, cam rollers mounted on said carriage and respectively cooperating with the cam slots in said cam levers to move the same outward when the carriage rises and thereby to move said alinement rolls farther apart, means for feeding ears of corn endwise and point first to said alinement rolls, chain conveyor means arranged to transfer an alined ear of corn sidewise from said wings into engagement with said butt-severing means, and means for driving the ear-feeding means, said rolls, and said conveyor means.

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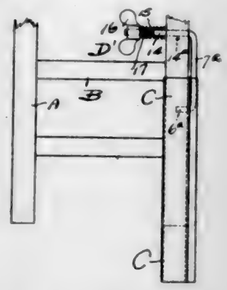
1,560,978. LADDER. CHARLES W. CRUMP, Altoona, Pa. Filed Jan. 4, 1922. Serial No. 527,038. 1 Claim. (Cl. 228—63.)



An extension foot for ladders comprising in combination with a locking hook adapted to be carried by the ladder rail to swing parallel to the outer face thereof, a metal body of channel shaped cross section comprising a bottom wall, side walls and inturned flanges adapted to fit over a ladder rail, said bottom wall being formed with offset parallel stiffening ribs adapted to limit the pivotal movement of the locking hook, and adjustment openings formed in the portion of the said body of the foot lying between the ribs, and said openings being adapted to be engaged by said locking hook.



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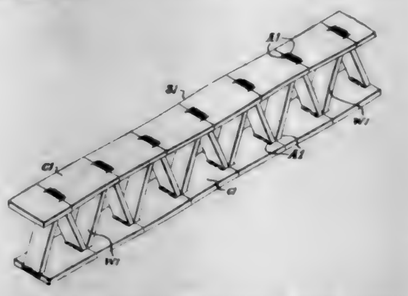
1,560,979. TRUSSED STRUCTURE. GEORGE HIVES DAWSON and HURXTHAL FIELD FREASE, Boston, Mass. Filed July 17, 1924. Serial No. 726,489. 5 Claims. (Cl. 189—37.)



1. A trussed structure formed from a single continuous strip, including chord members and web members, there being junction angles between the chord and web members and means fastening the chord and web members to each other at the junction angles, some of the chord members having a different cross-sectional area than the web members.

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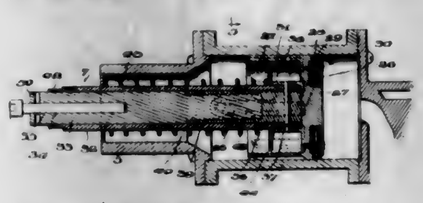
1,560,980. AUTOMATIC SLACK ADJUSTER FOR AIR BRAKES. WILLIAM S. DE CAMP, Chillicothe, Ohio. Filed Apr. 10, 1925. Serial No. 22,203. 9 Claims. (Cl. 188—203.)



1. An air brake system comprising a cylinder, brake shoes, articulated connections, a plunger, a common pivot joining the plunger to said articulated connections; in combination, a piston in the cylinder carrying the plunger, and means operatively associated with the cylinder and piston for progressively advancing said common pivot in respect to the plunger upon application stroke of the piston to compensate for wear of the brake shoes.

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1,560,981. MANUFACTURE OF INCANDESCENT LAMPS. ANTONIUS DE GRAAFF and DIRK LELY, Jr., Eindhoven, Netherlands, assignors, by mesne assignments, to General Electric Company, a Corporation of New York. Filed Nov. 17, 1920. Serial No. 424,671. 3 Claims. (Cl. 176—2.)

2. A step in the process of the manufacture of devices comprising an envelope having a filament adapted to be heated which consists in placing within the envelope a non-hygroscopic substance adapted to be decomposed upon being heated to a given temperature to form a hydroscopic material, exhausting said envelope after the substance is introduced and while maintaining the temperature of the envelope below the point at which the substance decomposes, thereafter sealing off the envelope and then heating the envelope to a temperature sufficiently high to cause the substance to decompose to form a hygroscopic material within the sealed envelope.

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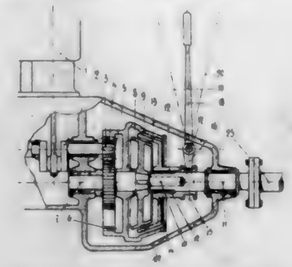
1,560,982. SPEED REDUCER AND REVERSE GEAR FOR INTERNAL-COMBUSTION ENGINES. GUIDO FORNACA, Turin, Italy. Filed Sept. 25, 1924. Serial No. 739,887. 3 Claims. (Cl. 74—59.)



1. The combination with a crank shaft, of a driven shaft, an internally toothed gear loose on the latter, a pinion fixed on the crank shaft in mesh with the internally toothed gear, a pinion fixed on the driven shaft in mesh with the pinion on the crank shaft, a conical clutch-member fixed on the driven shaft, a conical clutch member forming an integral extension of the internally toothed gear and surrounding the clutch member fixed on the driven shaft, a counter shaft arranged axially of the driven shaft, and an intermediate clutch member keyed to and movable axially on the counter shaft and having a conical portion interposed between the aforesaid clutch members adapted to be moved alternately into frictional engagement with the latter.

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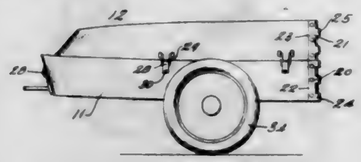
1,560,983. TRAILER BOAT. BENJAMIN H. GIBBS and CHARLES V. STEWART, Phoenix, Ariz. Filed May 12, 1924. Serial No. 712,668. 2 Claims. (Cl. 115—1.)



1. A combined trailer and boat comprising a boat shaped body composed of a pair of sections, partitions mounted within the extremities of the said sections, hinge means secured to the upper extremities of the partitions to permit folding of the sections, securing means secured to the said sections and retaining same at open position, an extension rack formed in one of the sections to receive the swinging section, strips mounted upon the engaging edges of the sections, means for fastening the sections in the folded position, an axle transversely mounted upon the lower portion of one of the sections, and a pair of wheels rotatably mounted upon the extremities of the said axle.

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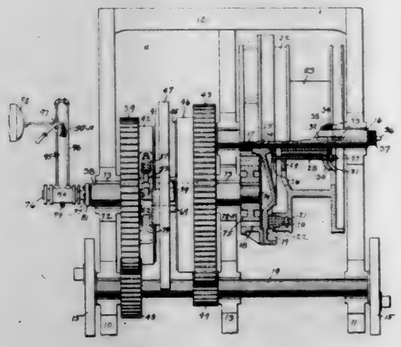
1,560,984. LOGGING ENGINE. SIDNEY B. GORDUTT, Portland, Oreg., assignor to Willamette Iron and Steel Works, Portland, Oreg. Filed Dec. 20, 1923. Serial No. 681,692. 6 Claims. (Cl. 254—187.)

1. In a logging engine, the combination of a driving shaft; a main drum shaft; a drum on said drum shaft; an internal gear driving said drum; an intermediate shaft; a pinion on said intermediate shaft meshing with said internal gear; a pair of unequal gears rotatably mounted on said intermediate shaft; pinions on said drive shaft meshing with said unequal gears; friction flanges formed on both of said unequal gears; friction bands around said flanges; a driver secured on said intermediate

shaft between said unequal gears supporting the ends of said bands; and means for actuating both of said bands



in a manner that one of said bands can remain partially applied while the other band is commencing its application.

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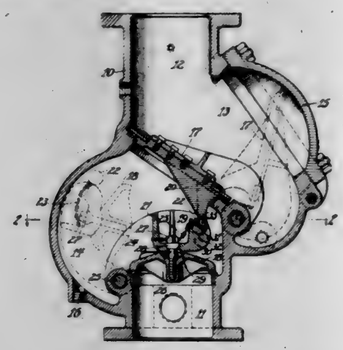
1,560,985. DRY-PIPE VALVE. ALLAN J. GROSS, Chicago, Ill. Filed Aug. 5, 1921. Serial No. 489,965. 5 Claims. (Cl. 169—21.)



1. In a valve the combination of a casing, a pair of valves pivotally arranged within the casing, means cooperating with said valves when said valves are arranged in closed relation whereby one valve cooperates to maintain the other upon its seat, said means including an element secured to one of said valves adapted to be arranged upon a seat provided upon said valve to support said element and allow it to be engaged by the other valve, said element being movable upon the initial opening of said valves to destroy cooperation between said valves in the event of their return to seating position.

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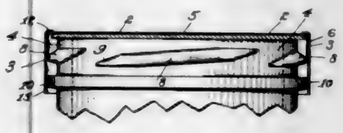
1,560,986. BAND-LUG CLOSURE. CHARLES HAMMER, Queens, N. Y., assignor to American Metal Cap Company, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 18, 1922. Serial No. 530,082. 28 Claims. (Cl. 215—44.)

1. A combined rotatable and reuseable metal cap and sealing band, said cap comprising a top having a depending flange or skirt provided with inwardly extending locking projections, said skirt having its lower edge terminating an appreciable distance above the line of contact of said band with the neck of the receptacle to be closed and said sealing band extending an appreciable distance below said flange with its lower portion in position to be bent inwardly to directly engage under a



shoulder of the receptacle, said sealing band and cap so cooperating that the sealing band forms the first locking means for the cap without the rotation thereof while the projections of the cap form the second locking means on the removal of the band.

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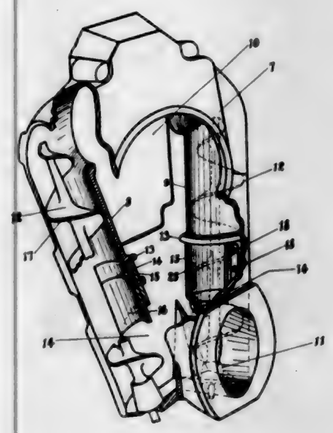
1,560,987. REGULATING MEANS FOR CONVEYERS. WILLIAM T. HANNA, Cincinnati, Ohio. Filed Dec. 1, 1924. Serial No. 753,240. 6 Claims. (Cl. 198—15.)



1. In a feed regulating device for conveyers the combination with an upright conveyer tube having a feed opening in the wall thereof and a conveyer screw extending revolubly through the tube and adapted to receive a substance to be moved, which substance passes through the feed opening in the tube, of a slidable plate mounted on the tube for adjustment over the feed opening therein, whereby the substance to be conveyed may be retained between the conveyer screw and the walls of the tube, and may be permitted to drop from the screw through the feed opening accordingly as the slidable plate is lowered and raised for decreasing and increasing the feed opening in the tube.

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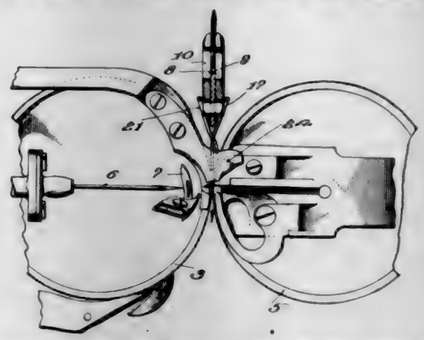
1,560,988. OVERSEAMING MACHINE. JESSE J. HEAP, Nyack, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed May 4, 1922. Serial No. 558,363. 10 Claims. (Cl. 112—20.)

1. The combination of over-seaming mechanism, means for supporting and feeding fabric sections placed side by side in a vertical position, and means for turning over the edge portions of the fabric sections on to the face of one of the fabric sections prior to the stitching of



the same whereby said over-turned edge portions are surrounded and secured by the over-seaming stitches.

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1,560,989. PORTABLE IRONING MACHINE. MEAD HEDGLON, Syracuse, N. Y. Filed Sept. 25, 1924. Serial No. 739,938. 1 Claim. (Cl. 68—9.)

The combination with a frame, and a padded press roll operatively mounted in said frame, of a longitudinally fluted concave heated shoe supported by said frame below said roll, the flutes of said shoe increasing in breadth and depth in the direction of travel of the articles while the latter are being ironed, the weight of the roll tending to press the padding and the articles deeper into the said flutes as they are moved over the shoe, and means for heating the shoe throughout.

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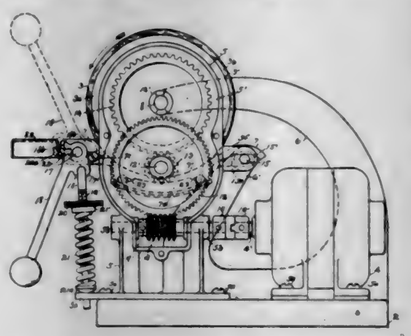
1,560,990. PORTABLE IRONING MACHINE. MEAD HEDGLON, Syracuse, N. Y. Filed Jan. 23, 1925. Serial No. 4,262. 15 Claims. (Cl. 68—9.)



1. In an ironing machine, the combination with a padded ironing roll, and means for driving said roll, of a heated trough-like shoe mounted horizontally below said roll adapted for horizontal movements in different directions by means of horizontal slots formed adjacent its rear edge, tension devices supporting the forward side of said shoe, and an eccentric mechanism adapted to cooperate with said tension devices for moving said shoe upwardly and downwardly relatively to the roll.

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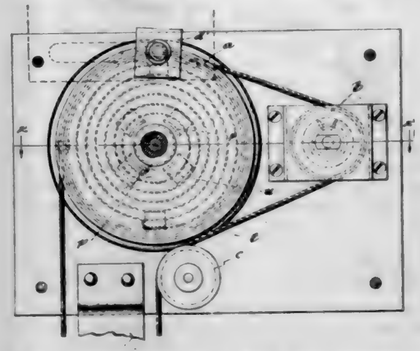
1,560,991. WINDOW-REGULATOR DRUM. ERNEST E. HEINTS, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 5, 1923. Serial No. 672,792. 6 Claims. (Cl. 185—45.)



1. In a window regulator, a cable drum comprising a member formed of relatively thin sheet metal folded upon itself at one side to form a flange, and having a continuous thread rolled in its periphery.

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1,560,992. THERMOSTATIC CONTROL. RICHARD KONRAD HERTEL, Los Angeles, Calif. Filed Nov. 26, 1923. Serial No. 677,193. 4 Claims. (Cl. 236—103.)

1. A cantilever movement comprising a plurality of plies forming a beam, means securing said plies together against longitudinal movement at one end, a thermally expansible member secured to one of said plies so as to apply stresses longitudinally thereof, the other of said plies being held against longitudinal movement.

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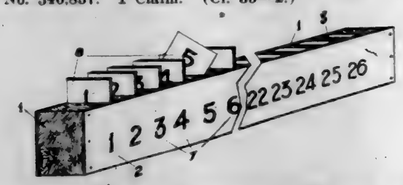
1,560,993. PACKING FOR X-RAY FILMS. WILHELM HOHMANN, Delitzsch, near Halle-on-the-Saale, Germany, assignor to Actien-Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Feb. 2, 1924. Serial No. 690,290. 7 Claims. (Cl. 250—34.)

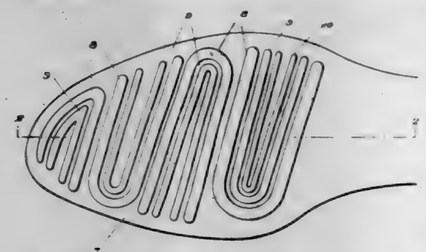
1. A packing of the class described, comprising a frame of pliable material, a sensitive film disposed within the confines of the frame, covers of thin flexible material impervious to visible light rays and moisture extending across the frame on both sides thereof and enclosing the film and a strip of thin, flexible, opaque material extending around the edges of the frame and adhesively attached to the marginal portions of the said covers.

1,560,994. EDUCATIONAL DEVICE. FREDERICK D. JONES, Alhambra, Calif. Filed Mar. 25, 1922. Serial No. 546,837. 1 Claim. (Cl. 35—2.)



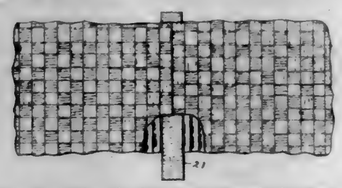

In combination with educational drill cards bearing letters printed thereon, an oblong, rectangular body, of wood, and provided with relatively narrow transverse saw cuts therein spaced to leave standing partitions separating the same, adapted to form receptacles to receive said cards; said body being provided with sides of suitable material to close the ends of said saw-cuts, and having printed thereon opposite each of said receptacles letters corresponding to the letters on said cards normally contained within said receptacles; and numerals printed on said sides to indicate the number of each of said printed cards normally contained in each receptacle.

1,560,995. SOLE. LOUIS KAPLAN, New York, N. Y. Filed June 11, 1924. Serial No. 719,357. 4 Claims. (Cl. 36—59.)



1. A sole having sets of U-shaped ribs on its tread surface with the ribs of each set located one within the other, said ribs being arranged with their ends and bends presented toward opposite sides of the sole, and the sets of ribs being in reversed positions so that the bends of the ribs of some of the sets are at one side while the bends of the ribs of the other sets are at the opposite side.

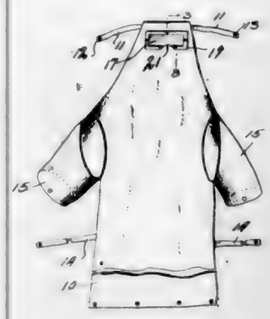
1,560,996. AIRCRAFT CONSTRUCTION. LEWIS M. KELLOGG, Los Angeles, Calif. Filed Mar. 19, 1925. Serial No. 16,739. 4 Claims. (Cl. 244—3.)



1. An air craft of the type named, having a body member composed of a plurality of tubular members formed of the woven ply wood and brace elements disposed so as to stiffen and support the tubular members.

1,560,997. MEDICAL AND SURGICAL APRON. JAMES F. KELLY, Monessen, Pa. Filed Jan. 8, 1925. Serial No. 1,225. 1 Claim. (Cl. 2—48.)

An article of the character described comprising a backless apron of textile fabric, the apron below its upper end being formed with sleeve sections through which the arms of the wearer may be disposed, the apron above the upper ends of these sleeve sections being gradually reduced in width and being formed to fit over the



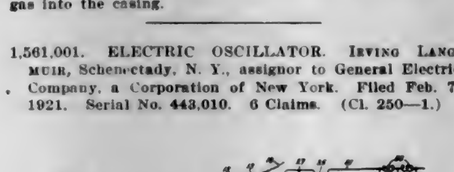
forehead and having a band at its upper end whereby it may be held upon the head, the apron immediately in front of that portion extending over the eyes of the wearer being formed with an observation opening, and a glass pane covering said opening.

1,560,998. HIGH-TENSION SWITCH MECHANISM. CARL G. KOPPITZ, Greensburg, Pa., assignor to Railway and Industrial Engineering Company, Greensburg, Pa., a Corporation of Pennsylvania. Filed July 24, 1924. Serial No. 728,021. 10 Claims. (Cl. 200—48.)

1. In switch mechanism, the combination of a switch blade comprising a portion supported for angular movement in a plane through the jaws and a portion including the contact end revoluble about the axis of the blade, and means for operating the switch, said means being operative to effect an angular movement of the blade as a whole and a rotary movement of the revoluble portion at the end of the closing movement and at the beginning of the opening movement, respectively.

1,560,999. TILE-FORMING MACHINE. JOHN KORIZON, Atlanta, Ga. Filed July 21, 1924. Serial No. 727,871. 7 Claims. (Cl. 25—21.)

1. In a tile molding machine, a platen, a knocker mechanism beneath said platen and operative to strike a series of blows on the under side thereof, a roller for transversing the platen above the same, and means for



actuating said knocker mechanism and cause the roller to traverse said platen.

1,561,000. GASEOUS-LIQUID CONTACT APPARATUS. PAUL M. KUHN, Baltimore, Md., assignor to The Bartlett Hayward Company, Baltimore, Md., a Corporation of Maryland. Filed Jan. 10, 1924. Serial No. 685,391. 22 Claims. (Cl. 183—26.)



1. In an apparatus of the character specified, the combination of a suitable casing; a pan-like receptacle mounted therein with its edge in spaced relation to the casing; a baffle extending inwardly from the wall of the casing above and in spaced relation to the pan; means for withdrawing liquid from the pan and throwing it outwardly above the baffle; means for returning a portion of the liquid so thrown directly to the pan without traveling over the baffle; and means for introducing a gas into the casing.

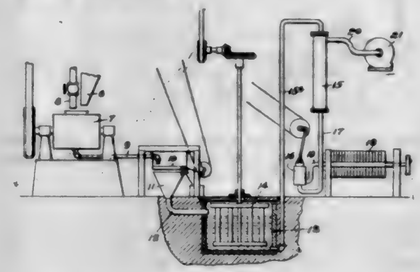
1,561,001. ELECTRIC OSCILLATOR. IRVING LANGMUIR, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 7, 1921. Serial No. 443,010. 6 Claims. (Cl. 250—1.)



1. In combination, an electron discharge device comprising a sealed container, a cathode of substantially rectilinear form, means for heating said cathode independently of a discharge in said device, a surrounding substantially cylindrical anode, and a filling of helium gas having a pressure of about 5 to 75 microns of mercury, and a condenser connected in shunt with said device.



1,561,002. METHOD OF PRODUCING CLAY BODIES AND APPARATUS USED. GROVER W. LAPP, Le Roy, N. Y., assignor to Lapp Insulator Company, Inc., a Corporation of New York. Original application filed Aug. 27, 1919, Serial No. 320,163. Divided and this application filed June 9, 1922. Serial No. 567,027. 24 Claims. (Cl. 25—156.)



1. That step in the art of preparing clay for use in producing ceramic ware, which consists in subjecting a moving mass of clay in plastic state to a mixing action in which portions of the mass are moved across the longitudinal axis thereof.

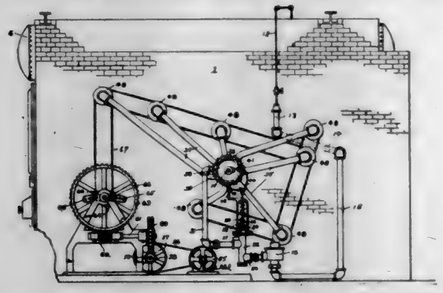
1,561,003. RAILWAY SCREW. EMILE LELOUP, Seraing-sur-Meuse, Belgium. Filed Aug. 17, 1922. Serial No. 582,479. 2 Claims. (Cl. 85—45.)

1. A screw including a threaded shank, a conical head carried by said shank and right and left hand screw threads formed on said head, the respective threads being adapted to cooperate with different types of wrenches to facilitate application and removal of the screw.

1,561,004. FLUE-CLEANING APPARATUS FOR BOILERS. JOHN T. LEMON, Columbus, Ohio. Filed Sept. 1, 1920. Serial No. 407,384. 11 Claims. (Cl. 122—392.)

1. In a flue cleaning apparatus for boilers, a plurality of blower units mounted for rotation in connection with the setting of a boiler, said units being capable of receiving steam under pressure and to direct such steam into engagement with the exterior surfaces of said water tubes, a source of steam supply, pipe connections governed by steam controlled valve means leading from said steam supply and in communication with said blower

units to supply the latter successively at regulated intervals with steam under pressure, sheave wheels con-



nected with said blower units, and a cable construction cooperative with said wheels for effecting simultaneously the rotation of said blower units.

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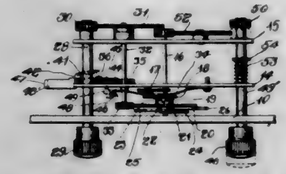
1,561,005. RADIO TIME SWITCH. ISRAEL LEVENSTEIN, Brooklyn, N. Y. Filed Apr. 28, 1924. Serial No. 709,619. 3 Claims. (Cl. (200—35.)



1. In a switch of the class described, a fixed contact, a pivoted switch lever spring urged into engagement with the fixed contact, a spring latch mechanism including a spring latch bar and a swinging latch finger yielding to movement in one direction and resisting movement in the other direction and engaging under tension of the mechanism with the lever to hold it away from the fixed contact and moving when released from tension to free the lever and permit it to close on the contact, and clock work controlled means engaging he latch mechanism to hold it normally under tension, said means being arranged to release the latch bar at a predetermined time.

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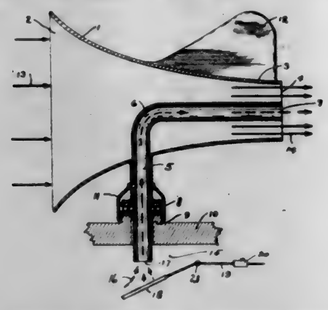
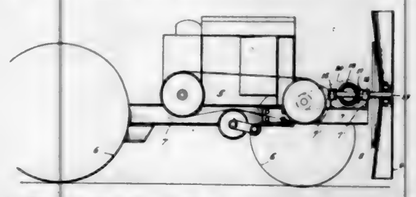
1,561,006. VENTILATOR. MAXWELL MCNUTT, San Francisco, Calif. Filed Mar. 3, 1923. Serial No. 622,555. 12 Claims. (Cl. 98—3.)



1. A ventilator comprising a converging member having a discharge throat and adapted to receive air flow in its large end, a tube having its outlet flush with the outlet of the said throat, said tube passing through the wall of said member and having an inlet adapted to receive air from a space to be ventilated.

1,561,007. SNOW REMOVER. WALLACE F. MACGREGOR, Racine, Wis., assignor to J. I. Case Threshing Machine Company, Racine, Wis., a Corporation. Filed Apr. 20, 1925. Serial No. 24,315. 3 Claims. (Cl. 37—43.)



1. The combination, with a vehicle, of a snow impeller comprising a detachable frame, a rotatable snow remover embodying a disk, an open-ended trough-shaped impeller thereon embodying a cutting-edge, and means connected to said frame for rotating said snow remover to impel snow laterally therefrom.

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1,561,008. HOOD CLAMP AND THE LIKE. WILLIAMS G. MILLIGAN, Akron, Ohio. Filed Nov. 7, 1924. Serial No. 748,361. 3 Claims. (Cl. 292—60.)

1. The combination with an automobile hood having a bead on its lower edge, of a clamp for securing said hood in place by engagement with said beaded edge, said clamp comprising a metallic member formed with an eye and a hook-like, bead-engaging portion, said portion being covered with a layer of noise-deadening material, the material being so formed as to engage through said eye whereby it is held in place on said metallic member.

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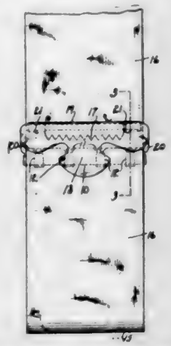
1,561,009. BUCKLE. ROSWELL A. MOORE, Waterbury, Conn., assignor to Waterbury Buckle Co., Waterbury, Conn., a Corporation. Filed Feb. 25, 1925. Serial No. 11,437. 2 Claims. (Cl. 24—184.)



1. A buckle, comprising a frame having a body-portion and a pintle bar, with a space between them, the upper edge of the said body-portion formed with spaced notches,



and the lower edge formed with corresponding, aligned, web-gripping fingers, which are bent upward, alongside the said body-portion, and turned into the said notches, for deflecting localized portions of the webbing thereinto, and beyond one face of the body-portion, and a lever pivotally mounted on the said pintle bar, in position to deflect the running-reach of the webbing over the upper edge of the body-portion of the frame, and against the surface of the webbing passing over the upper edge of the body-portion.

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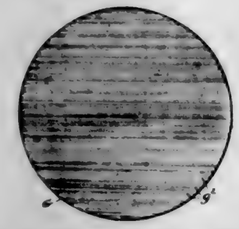
1,561,010. HEADLIGHT. CHARLES H. MUCKENHIRN, Detroit, Mich. Filed Aug. 4, 1921. Serial No. 489,705. 2 Claims. (Cl. 240—48.4.)



1. A front for lights comprising a thin film-like body having a surface at one side thereof formed of parallel scratches functioning as light refracting lines.

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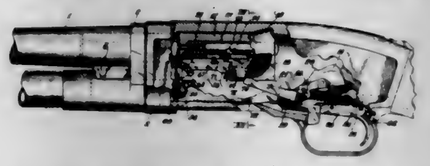
1,561,011. FIREARM. CHARLES A. NELSON, Utica, N. Y., assignor to Savage Arms Corporation, Utica, N. Y., a Corporation of Delaware. Filed Mar. 25, 1920. Serial No. 368,501. 28 Claims. (Cl. 42—17.)



1. A take-down, repeating firearm, comprising in combination; a breech-bolt, an action bar removably engaged with the breech-bolt, a cartridge magazine and a member serving the double function of locking the action bar to the breech-bolt and controlling the delivery of cartridges from the magazine.

3. A repeating firearm comprising a receiver, a magazine adapted to feed cartridges rearwardly into the receiver through its forward end, the receiver being open at the bottom to allow the charge and discharge of the magazine therethrough, a breech-bolt, a carrier pivoted in the receiver to the rear of said opening and normally closing the same, a cartridge cut-off to hold the cartridges in the magazine when the breech-bolt is open, and a movable cartridge stop on and depending from the breech-bolt, the said carrier being adapted to engage the cartridge stop to displace the same out of cartridge stopping position when the carrier is moved inwardly and the breech-bolt is closed.

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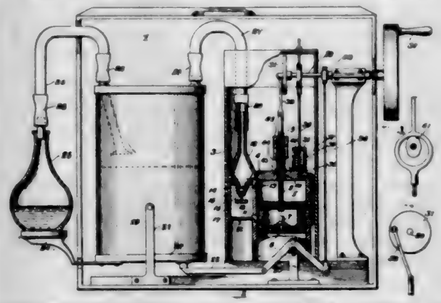
1,561,012. REFRIGERATING MACHINE. MARCELINO LUQUE NESTAL, New York, N. Y. Filed Dec. 11, 1924. Serial No. 755,267. 2 Claims. (Cl. 62—153.)

1. A refrigerating machine, comprising a case-like receptacle, a base arranged therein, a vacuum pump carried by the base, an operating shaft for the pump extending through and beyond one wall of the case, a container base arranged in the case, a lever connection extending from the container base, means operated by the shaft for operating the lever, a container on the container base, a bracket secured to the container base and extending through and beyond one wall of the receptacle to provide for the reception of a material receptacle, a



pipe connection between the air pump and container, and a pipe connection leading from the container for cooperation with a material receptacle.

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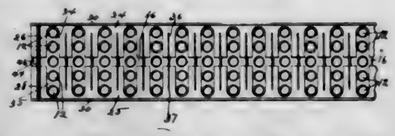
1,561,013. COOLING RADIATOR. WILLIAM A. ODENDAHL, Denver, Colo. Filed Dec. 17, 1923. Serial No. 681,159. 4 Claims. (Cl. 257—129.)



1. In a radiator having upper and lower tanks and open-ended tubes connecting and communicating between said tanks, the combination therewith of banks or series of fins for the front and rear of said radiator, said fins being notched to admit said tubes and substantially meeting on the median line of the bank of tubes, end bars notched on their inner margins to receive said fins, said fins being notched on their outer margins to receive said end bars, said end bars being arranged transversely of said fins and removable and replaceable in series therewith relative to said tubes, and means for detachably connecting said end bars.

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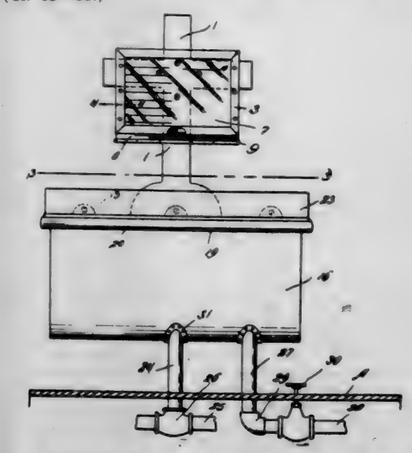
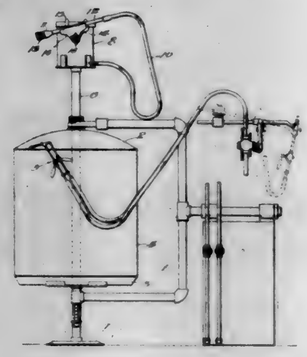
1,561,014. CARD HOLDER AND UMBRELLA RECEPTACLE. AMBROSE E. O'ROURKE, Millbrook, N. Y. Filed May 6, 1924. Serial No. 711,416. 2 Claims. (Cl. 45—33.)



1. A device of the class described comprising an umbrella receptacle having a lateral marginal flange extend-

ing around the top thereof, said receptacle being substantially rectangular in design, a supporting strip, a bracket on said supporting strip and adapted to support the flange formed on the rear wall of the receptacle, the ends of said strip being slotted, a supporting frame including front and side members, said side members having their free ends adapted to be received in the slots in said strips and supported thereby, the upper edges of said frame adapted to support the flanges formed on the front and end walls of the receptacle, and an outlet pipe extending from said receptacle.

1,561,015. FLUX BRUSH. WILLIAM A. PAINTER, Detroit, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a Corporation of Maine. Filed Oct. 20, 1924. Serial No. 744,698. 8 Claims. (Cl. 113—95.)

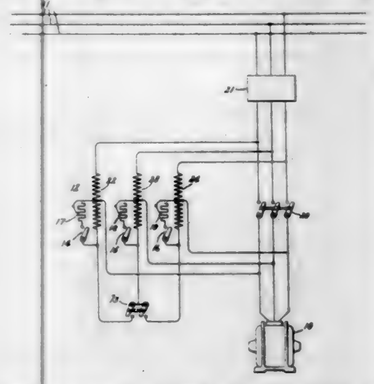


1. The combination with a soldering stand for a radiator core and tank assembly, of a flux container supported above said stand, a fountain brush, a flexible tube connecting the brush with the container for supplying flux by gravity to the brush while wiping flux on the parts of the radiator to be soldered, and means for holding the brush when not in use in a position to check the flux flow thereto.

1,561,016. SCRAPER. HARRY A. PALLADY, Seattle, Wash., assignor to Pal-Weld Manufacturing Company, Seattle, Wash. Filed Dec. 4, 1924. Serial No. 753,826. 1 Claim. (Cl. 145—97.)

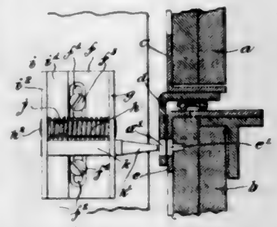
A scraper for scraping the inner walls of a cylinder embodying a head block, a handle on said block, a scraper knife projecting from said block, and two guard members held rigidly in said block and having bearing surfaces extending both forwardly and to the rear of the line of the scraping edge so as to govern the angle of the front face of the knife to the work and disposed on opposite sides of said knife and arranged to bear upon the cylinder wall on both sides of the plane of said knife whereby said knife may engage said cylinder only when said guard members rest squarely against said cylinder wall.

1,561,017. METHOD OF STARTING ALTERNATING-CURRENT MOTORS. WILLIAM E. PAUL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 23, 1922. Serial No. 563,154. 7 Claims. (Cl. 172—274.)



2. The method of starting an alternating current motor from a source of supply, which comprises interposing an auto-transformer between the source of supply and the motor, then loading the transformer while connected in the motor circuit to reduce the impedance of the transformer when the transformer is subsequently caused to act as a reactor, then causing the transformer to act as a loaded reactance in the motor circuit and then connecting the motor directly to the source of supply without opening the motor circuit during the starting of the motor.

1,561,018. LOCK FOR ELEVATOR DOORS. CHARLES W. PEELLE, New York, N. Y., assignor to The Peelle Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 12, 1924. Serial No. 755,442. 6 Claims. (Cl. 292—177.)

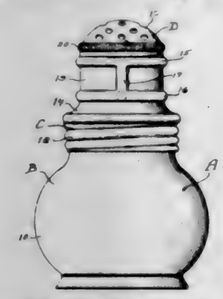


1. A lock for elevator doors consisting of a base plate permanently secured to the building wall adjacent an elevator door, a plate slidably mounted upon said base plate, a bolt carried by said plate, and adapted to enter a socket formed in an elevator door, means acting to normally retract said bolt from the path of movement of the door, and means whereby said last named means may be made inoperative, said slide carrying the bolt having a flange adapted to prevent access to the means securing the lock to the building wall structure when said bolt engages a door, whereby removal of said lock is prevented except by the release of the means acting upon the retracting mechanism.

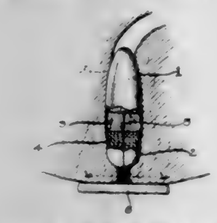
1,561,019. CONDIMENT HOLDER. EMIL R. PETERSON, Orin, Wash., assignor of one-half to Gunnard Stone, Island Park, Idaho. Filed May 12, 1924. Serial No. 712,765. 5 Claims. (Cl. 65—57.)

1. A condiment holder comprising a container, a cover portion detachably connected to said container and including an annular sleeve being open at its upper end, and an agitator rotatably and reciprocably mounted in said sleeve and joined thereto by said mounting, including a perforated cap and a depending portion extending into the container for engagement with the contents thereof whereby the material within the container may be readily broken up.



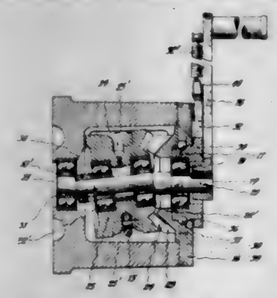


1,561,020. RECTAL TAMPON. EDMUND M. POND, Rutland, Vt., assignor to Arthur H. Smith and Esme Smith, Rutland, Vt. Filed July 25, 1922. Serial No. 577,291. 4 Claims. (Cl. 128—270.)



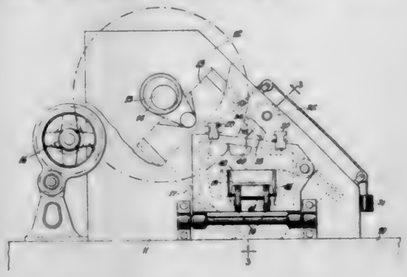
1. As an article of manufacture a tampon adapted for medication of the rectal regions, which tampon comprises a shell of soluble material, a body of medicated material supported by said shell and occupying the entire lower portion thereof when it is in operative position and a body of fibrous material supported in said shell above said medication together with a protective pad of dry absorbent material connected to the tampon proper at a distance which locates it outside the anus when the tampon is in operative position.

1,561,021. CHAIN HOIST. ALFRED ARTHUR QUICK, Thornbury, Victoria, Australia. Filed Sept. 12, 1922. Serial No. 587,800. 8 Claims. (Cl. 254—169.)



1. In a chain hoist embodying an angularly disposed nutating or oscillating load chain wheel furnished with bevel gear teeth intermeshing with a ring of external bevel teeth, an axle passing axially through the ring of teeth and having an angularly disposed central portion passing axially through the nutating load chain wheel, ball bearings on the angularly disposed portion of the axle carrying the said load chain wheel, ball bearings for the co-axial end portions of the said axle, and means on one end of the axle for imparting rotation thereto, a reduced portion on the axle between one of the co-axial end portions and the central portion, and a locking ring and filling piece for retaining the ball bearings for the nutating or oscillating load chain wheel correctly in position on the angularly disposed portion of the axle.

1,561,022. SHEARING APPARATUS. CHARLES RAPP, New York, N. Y. Filed Mar. 20, 1925. Serial No. 16,879. 6 Claims. (Cl. 164—49.)



1. In shearing apparatus provided with a set of shaped movable blades and a set of cooperating shaped stationary blades; means to effect a relative movement between a portion of the blades of the movable set of blades; and means to effect a relative movement between a portion of the said stationary set of blades.

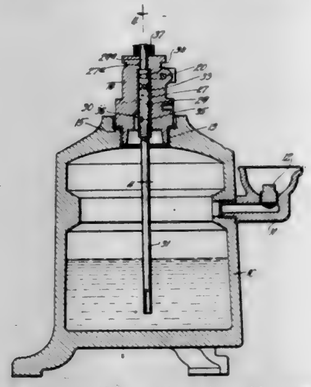
1,561,023. RAILROAD-CROSSING SIGNAL. HENRY B. RAYNES, Buffalo, W. Va. Filed Mar. 10, 1924. Serial No. 698,164. 4 Claims. (Cl. 246—293.)

2. The combination with a semaphore stand and its blade; of railroad track, and track supported means for repeatedly oscillating said blade including a rock shaft having operative connection to said blade and having a rock arm at one end, a rod having a pin and slot connection to said rock arm and supported adjacent a track rail, a plurality of levers each pivotally connected to said rail and projecting thereabove for engagement by the wheels of a train, said levers each being connected intermediate its ends to the rod, and spring means normally holding said rod in position to elevate the wheel engaged ends of the levers.

1,561,024. CARBURETED-AIR-GAS APPARATUS FOR BLOWPIPES. ZERNE O. RARRICK, Toledo, Ohio, assignor to The Ransome & Randolph Company, Toledo, Ohio, a Corporation of Ohio. Filed July 22, 1921. Serial No. 486,687. 9 Claims. (Cl. 48—144.)

1. A carbureted air gas apparatus for blowpipes comprising a stationary receptacle for liquid fuel, a passage through which uncarbureted air is introduced into the liquid fuel below the level thereof, said passage comprising two parallel portions, an annular chamber around said parallel portions, means for conducting a portion

of the carbureted air from above the level of liquid fuel directly to said annular chamber to sustain a flame



which heats the parallel portions in said passage, and means for conducting carbureted air gas from the top of said receptacle.

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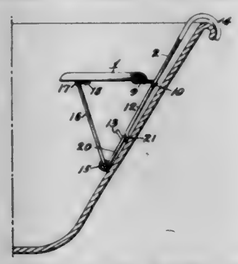
1,561,025. COLLAPSIBLE HANGING SEAT. LEROY REIMER, Brooklyn, N. Y., assignor of one-half to John M. Lehman, Brooklyn, N. Y. Filed July 25, 1924. Serial No. 728,106. 4 Claims. (Cl. 155—36.5.)



1. In a device of the character described, the combination with a seat of a hanger support therefor, including a pair of spaced members hooked at their outer ends for suspending the device and pivotally connected with the seat, securing devices on the members, an adjustable brace pivotally secured to the seat, and a second brace pivotally secured to the first brace, both of said braces being provided with means for detachably connecting either of them to the securing devices on the supporting members.

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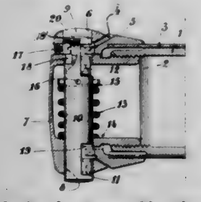
1,561,026. LOCKING DEVICE FOR REMOVABLE WHEELS. LOUIS ROUANET, Ivry-Port, France, assignor to The Compagnie d'Applications Mecaniques, Paris, France. Filed Apr. 11, 1922. Serial No. 551,681. 3 Claims. (Cl. 301—9.)



1. A locking device for removable wheels comprising in combination an inner permanent hub, an outer removable hub, a central nut screwed into the inner hub and securing the outer hub on the inner hub, a rod adapted to slide in a direction at right angles to the axis of the hubs in diametrically opposite holes provided in the nut, a spring controlling said rod, a set of teeth provided on the outer hub and teeth on said rod adapted to engage with said set of teeth at two diametrically opposite points.

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1,561,027. CASKET HANDLE. EDWARD R. SARGENT, New Haven, and MICHAEL J. KELLY, Wallingford, Conn., assignors to Sargent & Company, New Haven, Conn. Filed Aug. 17, 1923. Serial No. 657,954. 13 Claims. (Cl. 16—112.)

1. In a casket handle, an escutcheon plate having an opening, and an arm swingably connected thereto, said arm having side tongues projecting through said opening and adapted to bear upon the lower edge thereof and an upper lip between said tongues adapted to be inserted in said opening and thereafter bent to engage an edge of the opening to prevent the removal of the arm therefrom.

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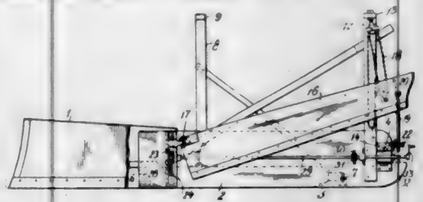
1,561,028. SNOWPLOW. DON A. SARGENT, Bangor, Me., assignor to Northern Trailer Company, Bangor, Me., a Corporation of Maine. Filed Apr. 12, 1924. Serial No. 706,011. 2 Claims. (Cl. 37—44.)



1. A snow plow comprising the combination of a nose, a wing pivotally mounted behind the nose, means for raising and lowering the pivot point and holding it in fixed position, and means operable from the rear of the plow for operating the raising and lowering means.

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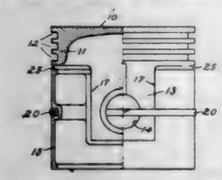
1,561,029. GRAIN DOOR FOR FREIGHT CARS. JOSEPH A. SCHMITZ, Chicago, and ADYN E. SCHUYLER, Evanston, Ill. Filed July 13, 1923. Serial No. 651,236. 7 Claims. (Cl. 20—30.)

1. A car closure comprising horizontal door sections, a lower destructible closure member, and an exterior bar member, said bar member being secured to an upper door section and equipped at its lower end with a strap member anchored to the car floor inside said closure.



1,561,030. PISTON. CHARLES R. SHORT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 29, 1923. Serial No. 660,047. 5 Claims. (Cl. 74—108.)



1. A piston for an internal combustion engine comprising, a head portion having a packing ring groove therein and two diametrically opposed projections integral therewith serving as wrist pin bosses, and a skirt portion having recesses therein within which said projections lie, and a ring encircling the skirt portion and embedded in grooves in said skirt and said projections whereby said skirt and head portions are secured together.

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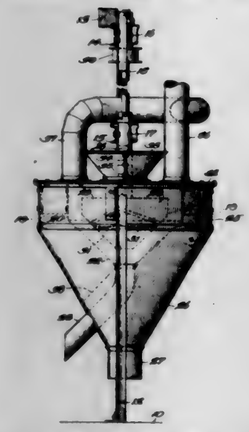
1,561,031. SCREENING AND SEPARATING MACHINE. JOSEPH T. SIMPSON, Chicago, Ill. Filed Dec. 10, 1923. Serial No. 679,539. 3 Claims. (Cl. 83—40.)



1. In a machine of the class described, a fan and means for driving it, a fan chamber having its lower portion consisting of a conical screen, a conical casing surrounding the fan chamber, and removed a short distance therefrom, discharge spouts for the chamber and the casing at the apexes thereof, and an exhaust pipe connected to the upper part of the annular space between chamber and casing.

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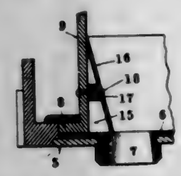
1,561,032. AIR EXHAUST FOR FILLING MACHINES. CHESLEY T. SMALL, St. Louis, Mo. Filed Sept. 27, 1920, Serial No. 413,188. Renewed Apr. 22, 1925. 2 Claims. (Cl. 226—72.)



1. In a device of the class described, the combination with a rotary member having a discharge aperture, of a supply chamber arranged above said rotary member for feeding material to a receptacle through the discharge aperture, agitating means in said supply chamber, an air conduit extending along the wall of said supply chamber and opening below said agitating means, and an open bottom conduit communicating with and extending laterally from said first named conduit.

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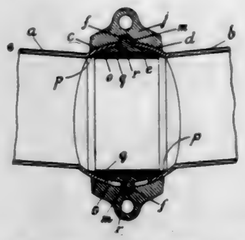
1,561,033. PIPE JOINT. REGINALD WILLIAM SPENCER, South Kirkby, near Pontefract, England. Filed July 23, 1925. Serial No. 45,520. 10 Claims. (Cl. 285—92.)



1. Means for connecting two pipes together comprising an outer member and an inner member having concentrically adjacent interior and exterior spherical surfaces, spherical ends to the pipes located in opposed relation to one another between said spherical surfaces, a flange and groove engagement between the outer member and the inner member located between the meeting ends of the pipes, means associated with the inner member for resiliently effecting a fluid tight joint within the pipe ends.

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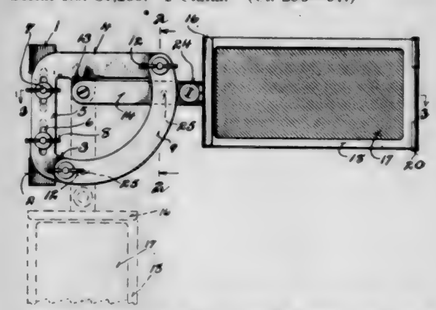
1,561,034. ADJUSTABLE ANTIGLARE SHIELD. GUSTAV R. SPERL, Milwaukee, Wis. Filed May 14, 1925. Serial No. 30,259. 1 Claim. (Cl. 296—97.)



An anti-glare device for automobiles comprising an attaching clip, a bracket adjustably secured to said clip and having an arcuate portion, an arm pivoted to said bracket and adapted to swing over said arcuate portion, a second arcuate member positioned in front of said arm and clamping said arm against said first arcuate portion, and springs for urging said arcuate portions towards each other, said arm having a manipulating handle and an anti-glare shield carried by the outer end of said arm.

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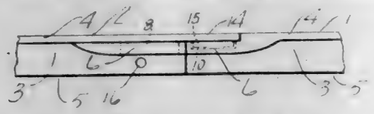
1,561,035. RAIL JOINT. JOSEPH ELIAS STEWARD, Prince George, British Columbia, Canada. Filed Mar. 14, 1923, Serial No. 625,021. Renewed Oct. 29, 1924. 3 Claims. (Cl. 238—235.)

1. A rail joint for two abutting rails, comprising thickened webs at the ends of the rails, the extremity of one rail being fashioned wedge-like with a central key upstanding thereon, the rail being cut away to a flat surface below the ball of the rail and back of the said

wedge portion and diagonally at the ball of the rail, and a key slot being formed in the said flat surface;



and the extremity of the other rail being formed to exactly meet the formations at the end of the first mentioned rail and so as to fit thereto complementarily.

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1,561,036. APPARATUS FOR CHARGING LIQUIDS WITH CARBON-DIOXIDE GAS. GEORGE FRANCIS SUGDEN, Manchester, England. Filed Dec. 17, 1924. Serial No. 756,501. 4 Claims. (Cl. 226—28.)

1. In a charging apparatus, a valve provided with a stationary plug and a casing pivoted thereon, and having inlet and charging ports for compressed gas, a receiving chamber secured to the valve casing at one end and provided with packing at its other end, and a support for a bottle pivoted to the said chamber and provided with means for holding the bottle neck in engagement with the said packing.

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1,561,037. SPRING-AXLE CONSTRUCTION. JESSE D. TUCKER, Sacramento, Calif., assignor to Tucker Brothers Manufacturing Company, Sacramento, Calif. Filed Oct. 29, 1923. Serial No. 671,402. 3 Claims. (Cl. 280—124.)

1. A spring axle structure comprising vertically spaced spring elements, pivoted spindle supports connected with the free ends of the spring elements, steering connections between the supports, and means whereby when the flexing of the spring elements move the spindle supports apart, the steering connections will not move such spindle supports on their pivotal points.

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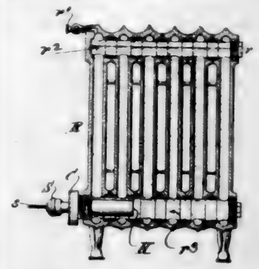
1,561,038. HEATING MEANS. GEORGE WADE, Newark, N. J. Filed May 25, 1925. Serial No. 32,597. 1 Claim. (Cl. 219—38.)

In combination with a sealed radiator containing a liquid heat vehicle, a one piece heating chamber positioned therein and formed with a head protuberant therefrom, a cap fitting the said head of the heating chamber and constituting a seat for a removable electric socket, said electric socket, an electric heating coil incorporated with said electric socket and frictionally engaging said



cap, and means for connecting said socket and heating element with an electric circuit, substantially in the manner and for the purpose set forth.

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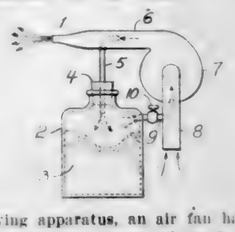
1,561,039. SPRAYING APPARATUS. EDWARD WALKER, Grantwood, N. J. Filed Nov. 11, 1924. Serial No. 749,185. 2 Claims. (Cl. 43—148.)



1. In a spraying apparatus, an air fan having a casing, a duct into which a current of air is injected by said fan, means for deviating a part of said current from said duct into a container to create a pressure therein and to agitate a substance within said container, a suction conduit connected to the center of said fan casing and in alignment with the axis of the fan rotor, and means for establishing communication between said container and said conduit so that the substance in said container may be conveyed to said conduit under the influence of the suction in the latter to cause the passage of said substance into the center of the fan rotor and from thence outwardly into said duct.

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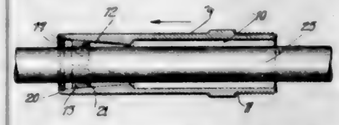
1,561,040. FEED COLLET OR PUSHER. EARL H. WHEELER, Windsor, Vt., assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 13, 1923. Serial No. 657,246. 5 Claims. (Cl. 29—62.)



1. A feed collet comprising a hollow body having an inner lengthwise tapered bore, an annular split gripping ring located in said bore and having the outer surface tapered to conform to the taper of said bore, said ring when shifted lengthwise within said bore expanding or contracting to conform to the size of said bore.

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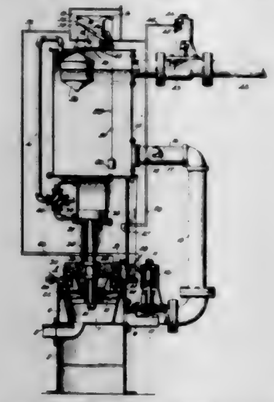
1,561,041. HEAT TREATMENT OF GEARS OR THE LIKE. JOHN W. WHITE, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 1, 1920. Serial No. 427,600. 10 Claims. (Cl. 266—6.)

1. The process of treating toothed gears by the application of a quenching fluid thereto comprising the confining of the gear in a fixed clamping structure adapted to prevent warping and exposing only the toothed por-



tions of the gear, and causing a definite and predetermined quantity of fluid to flow over the exposed portions.

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1,561,042. PROCESS FOR RECOVERING DIATOMACEOUS EARTH FROM WASTE MATERIAL. RICHARD C. WILLIAMS, Baltimore, Md. Filed July 15, 1925. Serial No. 43,871. 3 Claims. (Cl. 25—156.)

1. That step in the process of preparing plastic material for molding from mud-cake which consists in treating the mud-cake before molding to prevent disruptive fermentation in the molded article.

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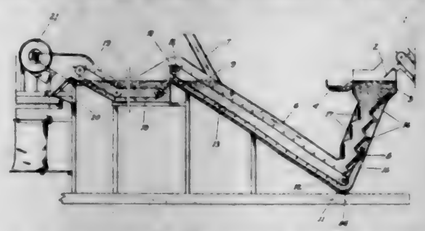
1,561,043. POTATO CLEANER AND STERILIZER. ROSCOE C. ZUCKERMAN, Stockton, Calif. Filed Oct. 8, 1924. Serial No. 742,384. 10 Claims. (Cl. 146—199.)



1. An apparatus for the purpose described including an inclined and enclosed conduit, scrubbing elements therein, a second enclosed conduit connected therewith at the reverse inclination, and a conveyor in the second conduit discharging from the upper end thereof.

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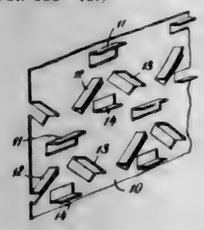
1,561,044. BAFFLE TOWER. CLIVE M. ALEXANDER, Tulsa, Okla. Filed Feb. 20, 1925. Serial No. 10,523. 9 Claims. (Cl. 183—75.)



1. An improved baffle for promoting gas and liquid contact, comprising a series of sheets or plates supported in spaced substantially parallel relation with a plurality of projections trapezoidal in configuration arranged in the spaces between the sheets or plates with the shorter parallel trapezoidal faces of the projections disposed toward one face of the baffle, said projections being formed of flanges integral with the sheets or plates.

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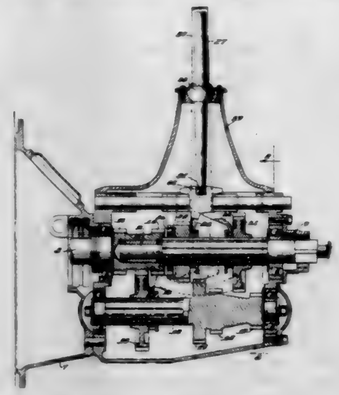
1,561,045. CHANGE-SPEED TRANSMISSION. CARL L. ANDERSON, Rockford, Ill., assignor, by direct and mesne assignments, to Mechanics Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Aug. 15, 1921. Serial No. 492,390. 10 Claims. (Cl. 74—58.)



3. In a change speed transmission, the combination of a driving shaft having a pair of fixed axially spaced gears, a driven shaft, a counter shaft, means operable between said shafts for effecting changes in speed including a gear splined on the counter-shaft between said driving gears movable into mesh with said gears respectively for certain speeds and held out of mesh during neutral and the direct speed.

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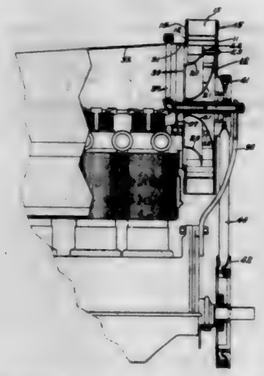
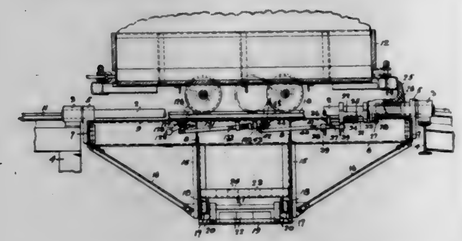
1,561,046. EXHAUST FAN. HORACE W. ASIRE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 11, 1923. Serial No. 638,402. 6 Claims. (Cl. 230—11.)



1. A centrifugal fan of the class described comprising a side plate; a driving pulley carried by said side plate; a second side plate spaced apart from said first mentioned plate and having an opening through which air may enter the fan; a series of impelling blades arranged between said side plates; a deflecting cone having an edge lying substantially in the plane of the opening afore-

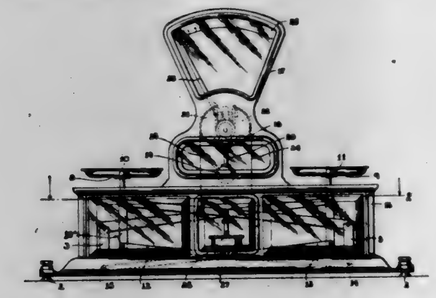
said and adapted to divide the air entering the fan into two streams; a plurality of spacers arranged between the outer edge of said deflecting cone and first mentioned side plate and fastening bolts for securing said cone in engagement with said spacers and to said first mentioned side plate.

1,561,047. CAR DUMP. VERNOR T. BARKLEY, Pittsburgh, Pa. Filed Apr. 10, 1922. Serial No. 551,158. 26 Claims. (Cl. 214—52.)



1. Car-dumping apparatus comprising a support rotatably movable by gravity, car tracks carried by said support and unsymmetrical with respect to axis of rotation of said support, means for locking said support in car-receiving position, means for releasing said locking means, means operable after the release of said locking means for engaging said car to hold it upon said support, and automatically operable gravity actuated means for rocking said support from its car-dumping position back to its car receiving position.

1,561,048. WEIGHING SCALE. HARRY S. BERGEN, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Feb. 25, 1920. Serial No. 361,157. 5 Claims. (Cl. 265—62.)



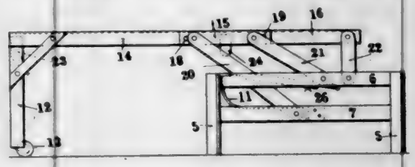
1. In a scale, in combination, a pair of oppositely-extending levers lying substantially side by side, each of said levers being fulcrumed at one end and provided at its other end with load pivots, force-transmitting means connected to each of said levers intermediate its fulcrum and load pivots whereby a load on one lever may be counterbalanced by an equal load on the other lever, and means connected to and connecting said force-transmitting means to offset an excess of load on one of said levers.

1,561,049. PUMP. JOHN H. STAYTON BONNER and MARTIN TOWNSEND CHAMBERLIN, Wichita Falls, Tex. Filed Apr. 3, 1925. Serial No. 20,475. 3 Claims. (Cl. 103—220.)

1. In an oil well pump having a working barrel provided with a standing valve, a casing enclosing the working barrel, said casing having a section dividing the casing into an upper inlet chamber and a lower sand trap chamber, a tube mounted on the section and communicating at its lower end with the sand trap chamber, the upper end of the tube being closed, a stand pipe

extending up into the tube and communicating with the upper part of the tube at its upper end, and a cylinder connected to the working barrel and communicating with the lower end of the stand pipe at its lower end.

1,561,050. FOLDING BED. JOHN J. BRAZNELL, St. Louis, Mo., assignor to American Bed Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 9, 1924. Serial No. 731,174. 4 Claims. (Cl. 5—23.)



1. In a device of the class described, the combination with a pair of end frames, of a spring frame comprising three sections, the outer section being provided at its outer side with supporting legs and pivoted at its inner side to the intermediate section, the inner section being pivotally connected to the end frame and to the intermediate section, whereby it is reversed when in folded position, and a pair of links at each end connecting the intermediate section to the end frame, said links being so proportioned and positioned as to hold the intermediate section in horizontal position when extended and approximately vertical position when folded.

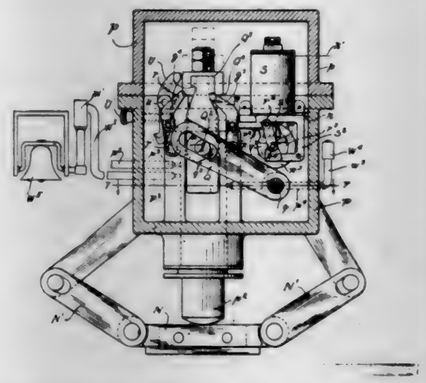
4. In a device of the class described, the combination with a pair of end frames, of a partial receptacle bottom carried between said frames, and a sectional spring frame having link connection to said end frames, one section of said spring frame when in folded position aligning with said partial receptacle bottom to complete the same.

1,561,051. AUTOMATIC TRAIN CONTROL. ANDREW J. BROOKINS, Chicago, Ill. Filed May 22, 1922. Serial No. 562,594. 22 Claims. (Cl. 246—49.)

10. A movably mounted arm having a head provided with recesses, on the free end thereof, a movably mounted plunger and a connection between said plunger and said arm, in combination with pawls arranged to be selectively engageable with said recesses, an electromagnet, a polarized armature to said magnet arranged to

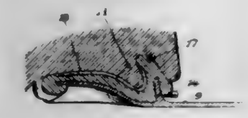


control said pawls, said free end of said arm arranged to mechanically force said pawls from said engagement,



and electroresponsive means, arranged to co-act with said magnet, to lock said polarized armature in neutral position when said magnet is not energized.

1,561,052. METHOD OF MAKING DENTAL IMPRESSIONS. ARTHUR H. BROWN, Denver, Colo. Filed Jan. 8, 1923. Serial No. 611,398. 9 Claims. (Cl. 32—6.)



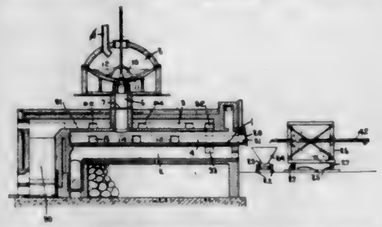
1. In the manufacture of artificial dentures, the method of producing an impression of the surface of a maxilla or mandible to be fitted by the denture, consisting in making a snap impression of the surface, making a cast of said impression, forming a base over the cast, producing a second impression of the surface with the base in place thereon whereby to obtain a depression of a depth corresponding with the thickness of the base after the latter is removed, making a third impression of the surface in a plastic substance confined in the depression, and connecting the depression with a source of fluid under pressure.

1,561,053. METHOD OF AND COMPOSITION FOR CLEANING METALS. BRUCE K. BROWN and EMIL G. SCHMIDT, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed Jan. 28, 1925. Serial No. 5,371. 9 Claims. (Cl. 148—8.)

8. A composition of matter for cleaning and preserving iron surfaces, comprises an admixture of mesityl oxide, acetone, phosphoric acid, and water.

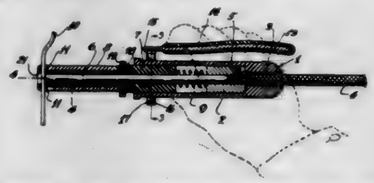
1,561,054. MECHANICAL FURNACE. OTTO H. BUSE, Shaker Heights, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 5, 1922. Serial No. 573,026. 10 Claims. (Cl. 214—18.)

1. In mechanism of the character described, the combination of a furnace chamber having a substantially horizontal floor and a door at the level of said floor, a carriage movable in front of said furnace in a plane parallel with the plane of said door, driven rollers mounted on said carriage, a tool engaged between said rollers, said rollers being mounted to position said tool at right



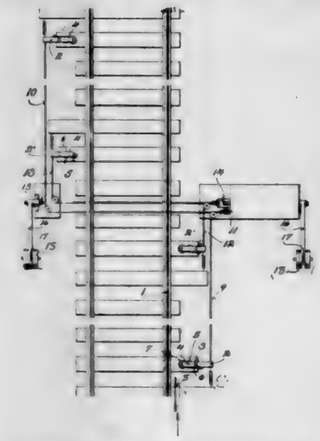
angles to the plane of said door, and said rollers being also adapted to actuate said tool into and out of said furnace.

1,561,055. ELECTROWELDING GRIP. RICHARD J. CALLAHAN, Newark, N. J. Filed Nov. 8, 1924. Serial No. 748,534. 7 Claims. (Cl. 219—8.)



2. A device of the character described embodying a handle, relatively fixed and movable gripping members mounted on the handle and with one of which a current feed wire is adapted to be electrically connected, automatic means normally maintaining said gripping members in non-gripping relation, and manually operable means also mounted on the handle for shifting the movable member relatively to the fixed member to grip a strip of welding metal between said members and simultaneously establish electrical connection between said strip and the current feed wire.

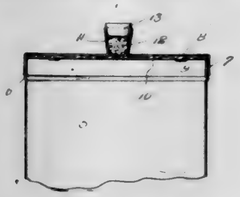
1,561,056. RAILROAD GATE. WILLIAM J. H. CHARLTON, Wabeno, Wis. Filed Apr. 27, 1925. Serial No. 26,119. 4 Claims. (Cl. 246—125.)



1. In a railroad crossing the combination of railroad tracks, a lever mounted adjacent said tracks and adapted to be moved by a passing train, a plunger connected with said lever, a switch operated by said plunger, an electric

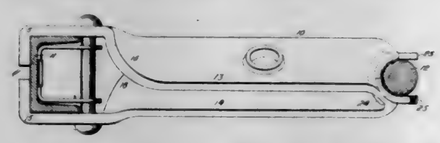
motor controlled by said switch, mechanism driven from said electric motor, a gate, a clutch adapted to connect said gate with said driven mechanism, a second lever mounted adjacent said tracks and spaced from said first lever a material distance, and a slide connecting said clutch and said second lever.

1,561,057. TOBACCO CAN. EMERY B. COLSON and HOSEA CLINTON GREEN, Hutchinson, Kans. Filed Nov. 21, 1923. Serial No. 676,107. 1 Claim. (Cl. 131—30.)



In a tobacco can, a cover having an absorbent sheet secured against and covering substantially the entire under surface thereof, said cover having a top wall provided with a neck through which a portion of the absorbent sheet is exposed, a compressible moisture retaining element within the neck upon the exposed portion of the absorbent sheet, a removable closure for the neck positioned above said moisture retaining element, the means for securing the absorbent sheet against the under surface of the cover comprising a plurality of marginal downwardly directed tongues struck from the top of the cover and projecting through and clinched against the under surface of the absorbent sheet.

1,561,058. RAILWAY BRAKE BEAM. SETH A. CRONE, East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a Corporation of New York. Filed Feb. 12, 1925. Serial No. 8,620. 14 Claims. (Cl. 188—231.)



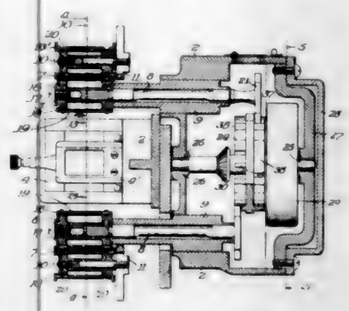
1. A breake-beam strut comprising a folded forged metal bar having sides to receive between them a brake-lever, means at the free ends of said side for engagement with a compression member, a fold or bend at its forward end to receive a tension member and a forged metal insert applied to said fold and having forwardly projecting arms to extend above and below, and retain the tension member.

1,561,059. VALVE LOCK. GOTFRED DANKO, Chicago, Ill. Filed May 6, 1925. Serial No. 28,487. 4 Claims. (Cl. 251—166.)

1. In a valve lock cooperating with a valve casing and a valve-plug therewithin, a plate fitted upon said valve-plug, an extension upon said plate, a lever pivoted in said extension, said lever normally engaging the valve casing to hold the valve closed, and means cooperating with said plate and said lever for preventing bending of said lever on its pivot point in attempting to operate the valve-plug without first releasing the engagment of said lever with the valve casing.

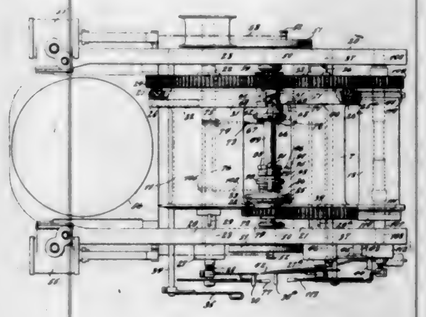
4. In a valve casing and a valve-plug cooperating therewith, said casing having a notch, the combination of a plate upon said valve-plug, an extension upon said plate, a lever pivoted within said extension, said lever normally engaging the valve casing to hold the valve closed, another extension upon said plate, a flange upon said last named extension, said flange abutting said lever for preventing bending of said lever on its pivot point in attempting to operate said valve-plug without first releasing the engagement of said lever with the valve casing, and an extensible sheath upon said lever fitting within said notch.

1,561,060. MOTION-PICTURE APPARATUS. RALPH PULLEAM DE VAULT, Chicago, Ill., assignor to Harley L. Clarke, Chicago, Ill. Filed July 18, 1922. Serial No. 575,794. 8 Claims. (Cl. 74—31.)



3. In a device of the character described, a roller comprising a spindle, a non-metallic drum carried thereby, and a metallic casing encompassing said drum and spaced from the medial portion thereof.

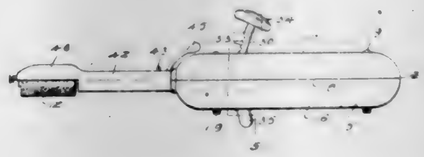
1,561,061. HOISTING AND CONVEYING DEVICE. JOSEPH H. DICKINSON, Montclair, N. J., assignor to Lidgerwood Manufacturing Company, New York, N. Y., a Corporation of New York. Filed Jan. 3, 1921. Serial No. 434,517. 2 Claims. (Cl. 254—185.)



1. In a hoisting engine, a first drum shaft, a second drum shaft, drums on said shafts, a drum-driving gear on each shaft, said gears being connected to be driven in opposite directions, a second drum-driving gear on said second shaft, a power shaft, a gear loose on said power shaft and meshing with the drum-driving gear on said first shaft, means for connecting said loose gear to the power shaft, a second gear loose on the power shaft and meshing with the second drum-driving gear on said second shaft, and means for connecting said second loose gear to the power shaft.

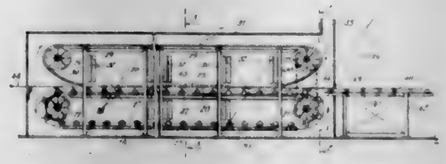


1,561,062. ROTARY TOOTHBRUSH. SMITH W. DOUGLAS, Eudora, Ark. Filed Mar. 13, 1923. Serial No. 624,754. 3 Claims. (Cl. 74—14.)



1. A motive apparatus having a casing in sections separable on a plane extending substantially longitudinally thereof, an operating shaft journaled in said casing, split bearings comprising flanges carried by both sections, transverse shafts journaled in said flanges, intermeshing gear wheels on said shafts and on the first mentioned shaft, a depressible operating member engaging one of said gear wheels, and a spring within the casing to return the operating member to normal position having one end fastened to one of the sections and the other end fastened to said operating member.

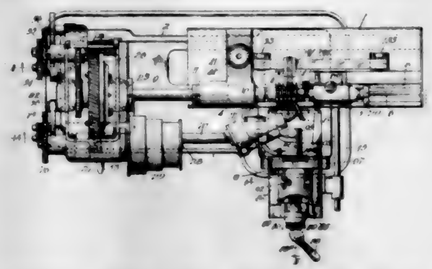
1,561,063. METHOD AND APPARATUS FOR MAKING PLYWOOD. MATTHEW ELDRIDGE DUNLAP, Madison, Wis. Filed Feb. 8, 1924. Serial No. 691,391. 29 Claims. (Cl. 144—279.)



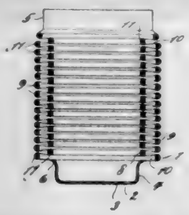
1. A machine for pressing layers of wood or the like into panels comprising cooperating platens adapted to receive the layers of wood between them, and means for magnetically urging the platens toward each other to exert gluing pressure upon the layers.

1,561,064. HOB-GRINDING MACHINE. JOHN EDGAR, Rockford, Ill., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Filed June 28, 1916. Serial No. 106,389. 32 Claims. (Cl. 51—225.)

1. A hob-grinding machine having in combination, a grinding wheel, a rotatably-mounted spindle for supporting a hob, means for causing relative movement between the wheel and the hob longitudinally of the hob, a drive wheel concentric with the spindle for rotating the same, and adjustable means connecting the spindle and drive wheel to permit of relative rotation between the same including an intermediate member, said intermediate member being adjustable with respect to both spindle and driving wheel and rigidly secured to each in the adjusted position.

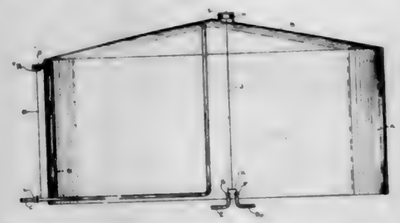


1,561,065. EXPANSIBLE COLLAPSIBLE ELEMENT. LEWIS W. EGGLESTON, Buffalo, N. Y., assignor to American Radiator Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 8, 1923. Serial No. 656,446. 10 Claims. (Cl. 137—157.)



8. An expansible-collapsible element for pressure and thermostatic purposes, comprising a tubular metallic shell having circumferential corrugations formed of inward and outward bends connected by intermediate transverse wall portions, and means located in certain of said bends to prevent collapse thereof in a direction longitudinally of the shell, said means comprising a resilient split-ring held by its resilience in engagement with the inner face of the bend.

1,561,066. HYDRAULIC OIL-DELIVERING SYSTEM. FREDERICK G. FARR, New York, N. Y. Filed Feb. 9, 1922. Serial No. 535,425. 5 Claims. (Cl. 221—67.)

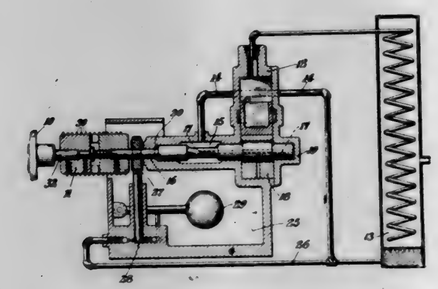


1. In a hydraulic oil storage system, the combination with a storage tank, an oil conduit for filling and emptying said tank, water inlet and outlet connections, and mechanism for automatically controlling said inlet and outlet connections by the inflow or outflow through said oil conduit to permit the displacement of water by the oil and of the oil by the water, of means operated by an abnormal change in the water level for closing said oil inlet and outlet conduit.

1,561,067. PHOTOTELEGRAPHIC TRANSMITTING PLATE. MARVIN FERBEE, New York, N. Y., and JOSEPH WISSMAR, Cleveland, Ohio, assignors to Pacific and Atlantic Photos, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 31, 1925. Serial No. 5,954. 4 Claims. (Cl. 95—5.6.)

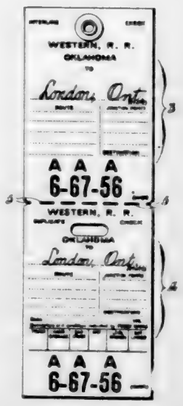
1. A phototelegraphic transmission plate made of metal, said metal plate having thereon a broken tone reproduction of the picture to be electrically transmitted, the said broken tone reproduction comprising a series of parallel lines of varying thickness, the said lines being composed of hard insulating material, that portion of the copper plate intermediate the said lines of insulating material being free from the said insulating material.

1,561,068. ROTARY FLUID-PRESSURE APPARATUS. BERNARD M. FINE, East Orange, N. J. Filed Mar. 18, 1920. Serial No. 367,026. 11 Claims. (Cl. 286—19.)



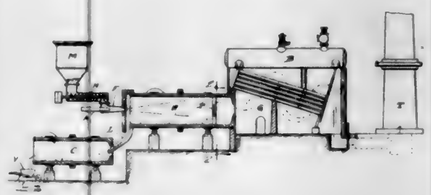
1. In rotary fluid pressure apparatus: sealing medium, a power shaft axially movable by said medium, a bearing cooperating with said shaft adapted to receive the sealing medium and sealing thereby the contained portion of the shaft, and means to supply said medium under pressure to said bearing.

1,561,069. CHECK. WILLIAM J. FITTALL, Lanham, Md. Filed Aug. 21, 1924. Serial No. 733,299. 8 Claims. (Cl. 283—20.)




1. A baggage check comprising initially integral but separable sections having thereon identical sequences of digit groups and also identical symbols prominently displayed in association with corresponding groups, such groups and their associated symbols being arranged laterally with reference to the sequence of groups.

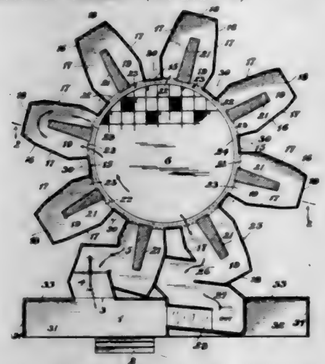
1,561,070. PROCESS OF AND APPARATUS FOR PRODUCING CEMENT. TSUNEICHI FUJIYAMA, Tokyo, Japan. Filed May 25, 1920. Serial No. 384,114. 2 Claims. (Cl. 222—7.)



2. An apparatus for effecting combustion of finely pulverized fuels whereby a high temperature is obtained and a cement clinker is formed from the resulting ashy content of said fuel and a mineral, comprising a cooling chamber, a rotating combustion chamber open at both ends and having a baffle near one end thereof, a fuel feed associated with a mineral supplying hopper for mixing said fuel and mineral, and means for forcibly injecting said mixture into the combustion chamber whereby the heat units are caused to pass out beyond said baffle for heating purposes while the solid products are caused to pass in a direction opposite to that of the course of the gases into said cooling chamber.

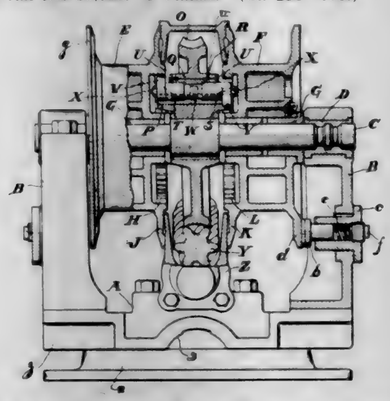


1,561,071. AMUSEMENT DEVICE. FREDERICK R. GLASS, New York, N. Y. Filed Feb. 11, 1925. Serial No. 8,378. 10 Claims. (Cl. 272—2.)



1. A device of the class described comprising a rotary table, an enclosing wall therefor, a plurality of chambers extending from said table, each of said chambers having a continuous passage way extending from said table and leading back upon it.

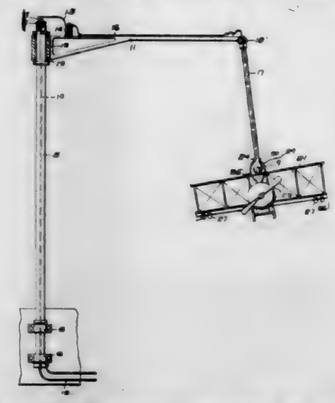
1,561,072. HOIST. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 16, 1925. Serial No. 30,756. 9 Claims. (Cl. 254—185.)



1. A hoist comprising a pair of drums each provided with a ratchet ring having teeth extending in opposite directions, a driver between the drums, a pawl mounted on said driver having teeth for selectively engaging with the ratchet rings, said pawl comprising a central bearing portion and oppositely extending teeth adjacent the ratchet rings, and means to receive the thrust at the heel of the pawl teeth.

1,561,073. ADVERTISING DEVICE. WILLIAM HANSON, Niagara, N. Dak. Filed July 18, 1924. Serial No. 726,733. 1 Claim. (Cl. 272—31.)

A device of the character described comprising a tubular supporting standard, an insulating block on the upper end thereof, a vertical contact point carried by said block and having its upper end projecting thereabove, a conductor leading through the standard and connected to the contact point and constituting one of the leads of an electric circuit, a second conductor constituting the other lead of said electric circuit, and electrically connected to said standard, an arm mounted to swing in a horizontal plane about said standard, a conductor extending along said arm, a contact spring to which said conductor is connected, said spring extending horizontally along said arm and having a free end which overlies and bears resiliently upon said upstanding point, a tubular member hingedly connected to the outer end of said arm, through which the last named conductor extends, an aeroplane hung from the lower end of said tubular member and a motor for driving said aeroplane, said motor being supplied with current through the circuit completed from the contact point, spring and the conductor extending along said arm and through the tubular member, the return circuit being through the material of the tubular member and the material of the arm and the standard to the second named conductor.



1,561,074. BUMPER. EDWARD J. HARVEY, Racine, Wis. Filed Mar. 24, 1924. Serial No. 701,436. 5 Claims. (Cl. 293—55.)

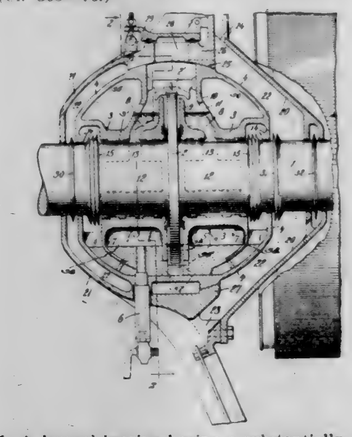
1. A bumper, comprising brackets, spaced rear rods connected to the brackets and projecting outwardly therefrom, resilient front rods having return bend end portions which are connected to the ends of the rear rods and are spaced forwardly of said rear rods, and spacing clips connecting the front rods together in spaced relation.

1,561,075. PROCESS OF FORMING DUSTLESS CRAYONS. JOHN A. HAUFF, Valparaiso, Ind., assignor to Lewis E. Myers and Company, Valparaiso, Ind., a Corporation of Indiana. Filed Apr. 7, 1923. Serial No. 630,597. 12 Claims. (Cl. 18—47.5.)

1. The process of producing dustless crayons, which consists in combining hydrated silicate of alumina and magnesia, in adding a binder thereto, in thoroughly mixing these ingredients, in applying moisture to form a thin putty-like mixture, in allowing the same to season, in moulding the material into the desired shape, and in subjecting the moulded product to spontaneous air dry-

ing so that the resulting physical properties of the product make it available for direct marking in a dry state and when moistened with water to the desired degree it becomes available as a water color and also serves as a painting medium in plastic form.

1,561,076. JOURNAL BEARING AND HOUSING. EDWARD HEITMAN, Jersey City, and JOHN F. TRUDEAU, Bayonne, N. J., assignors to Electro Dynamic Company, Bayonne, N. J., a Corporation of New Jersey. Filed Aug. 23, 1921. Serial No. 494,620. 8 Claims. (Cl. 308—76.)

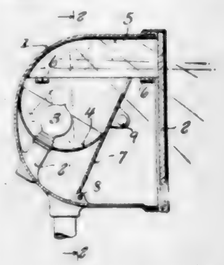


1. A journal bearing having a substantially cylindrical longitudinal inner wall extending therethrough for supporting the journal, an outer shell spaced from said cylindrical inner wall, a main oil reservoir between the inner wall and the outer shell, an auxiliary reservoir formed between the upper part of said inner wall and the outer shell adapted to distribute oil by gravity to the bearing surfaces, means for lifting from the main to the auxiliary reservoir an amount of oil in excess of that distributed to the bearing surfaces, and means for causing the excess oil to flow over the exterior surface of the inner wall so as to carry away the heat developed at the journal surfaces.

1,561,077. TOY. FRANK HIRSCH, New York, N. Y. Filed Nov. 6, 1924. Serial No. 748,005. 22 Claims. (Cl. 46—37.)

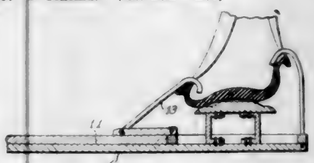
1. A toy vacuum cleaner including traction means, a housing member supported on said means and simulating a cleaning head, a handle member secured to said housing and a magnet in the housing having its poles disposed in operative position to pick up paramagnetic material from a surface over which the housing is moved by the handle member.

1,561,078. HEADLIGHT. OSCAR R. HOCKS, Janesville, Wis. Filed Feb. 9, 1924. Serial No. 691,623. 1 Claim. (Cl. 240—41.)



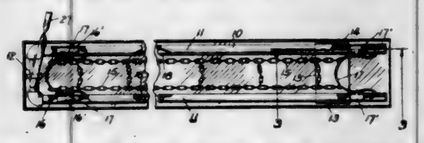
A headlight comprising a bell shaped hood, a baffle extending upwardly and forwardly from the bottom portion of said hood and ending a spaced distance from the upper portion of said hood, a lamp secured within said hood rearwardly of said baffle plate and projecting upwardly and forwardly, and a deflector mounted within said hood above said baffle plate and having a cylindrical forward portion whose elements approximately parallel the axis of said hood, said cylindrical forward portion gradually merging into a downwardly curved substantially spherical rear portion.

1,561,079. TIRE SPREADER. GEORGE WALLIS HUMFREY, Flint, Mich. Filed Nov. 3, 1924. Serial No. 747,570. 8 Claims. (Cl. 152—27.)



7. In combination, a lever, a frame pivotally mounted on the lever, a block carried by the lever movable through the frame, hooks carried by the frame for engaging one side of the tire, and a second lever pivotally mounted on the frame and provided with hooks for engaging another side of the tire, the hooks adapted to spread the tire upon the levers being drawn together.

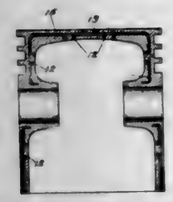
1,561,080. ANTISKID-CHAIN CARRIER AND APPLIER FOR MOTOR VEHICLES. JOHN T. JINKENS, Broomfield, Colo., assignor, by direct and mesne assignments, to C. S. Molhohn and Fred Harvey, both of Broomfield, Colo., and Kensma Company, Longmont, Colo., a Corporation of Colorado. Filed Feb. 23, 1923. Serial No. 620,692. 5 Claims. (Cl. 152—14.)



2. An anti-skid chain applying device comprising a pair of hollow rods supported upon one side of a vehicle, heads slidable in the rods, resilient U-shaped elements carried by the heads and adapted to engage a tire shoe, an anti-skid chain carried by the U-shaped elements, and means for moving the hollow rods longitudinally.

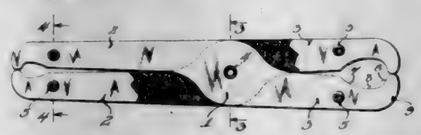


1,561,081. PISTON. WILLIAM E. JOHN, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 15, 1922. Serial No. 553,106. 5 Claims. (Cl. 74—108.)



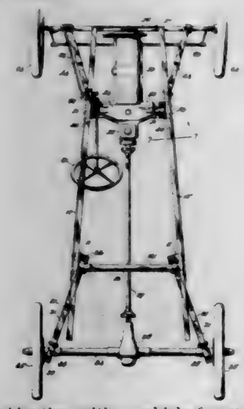
1. A cast metal piston having embedded within its head a continuous insert of metal extending throughout said head and of higher heat conductivity than said cast metal.

1,561,082. PLIERS. OSCAR HENRY JUNG, Milwaukee, Wis. Filed Aug. 9, 1924. Serial No. 731,145. 1 Claim. (Cl. 81—3.)



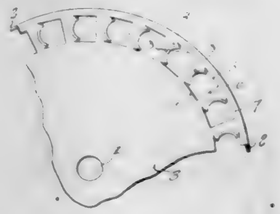
A pair of pliers having jaws provided with manipulating portions, each of said jaws comprising a plurality of distinct and separate sheets of insulating material, the sheets of one jaw alternating with the sheets of another jaw, a pivot pin passing through the overlapping portion of said sheets, and securing means passing through the sheets of each jaw adjacent its ends.

1,561,083. VEHICLE FRAME. CHARLES F. KETTERING, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 24, 1921. Serial No. 472,225. 4 Claims. (Cl. 280—106.5.)



1. In combination with a vehicle frame comprising two longitudinally extending side members, two spring brackets secured one to each of said side members upon the inner side thereof; two springs fixedly secured at one end one to each of the brackets aforesaid, and which springs extend from said brackets across said side members and diverge from one another; and a cross member extending between said side members and diverge from one another; and a cross member extending between said side members, and the two ends of which are fastened one to each of said brackets.

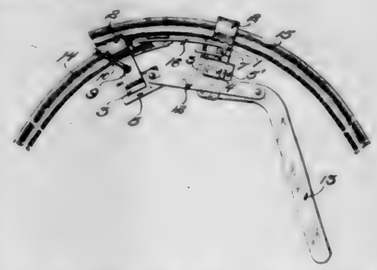
1,561,084. TURBINE-ENGINE ROTOR AND METHOD OF MAKING THE SAME. JOSEPH KOENIG, Manitowoc, Wis. Filed Apr. 14, 1924. Serial No. 706,502. 3 Claims. (Cl. 29—156.4.)



1. The method of forming turbine rotors comprising forming a circular disk from sheet metal, cutting a plurality of tongues from adjacent the marginal portions of said disk by means of slits defining the three free edges of said tongues, whereby an unbroken marginal ring is left integrally joined to the main body of said disk, bending said tongues out of the plane of such disk, and curving such tongues.

3. A turbine rotor formed from an integral disk of metal having a plurality of tongues spaced inwardly from the marginal edge and joined to the body of said disk by a portion extending laterally of said disk, all of said tongues extending outwardly from the same side of said disk, and an integral continuous peripheral ring surrounding said tongues.

1,561,085. RIM SPREADER. MICHAEL KOHL, North Milwaukee, Wis. Filed Sept. 17, 1923. Serial No. 663,175. 2 Claims. (Cl. 157—1.)

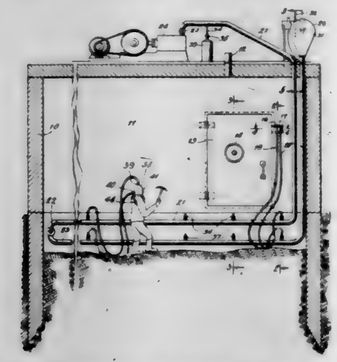


1. In a rim spreading device, the combination of pairs of jaws adapted to engage opposite sides of a rim, spindles having reversely threaded ends screwed into said jaws, cranks for rotating said spindle, a plate associated with each pair of jaws, said plates being folded and cut away to receive said jaws, means carried by each of said plates for locking the plates to one of each of said jaws, a toggle link element pivoted to each of said plates and pivoted to each other intermediate the ends of one of said elements, said last mentioned element having a manipulating extension projecting outwardly at an angle to the remaining portion of said element.

1,561,086. APPARATUS FOR SUPPLYING AIR TO WORKMEN. VICTOR K. KORJIBSKI, Brooklyn, N. Y. Filed Mar. 24, 1923. Serial No. 627,254. 6 Claims. (Cl. 128—143.)

1. An apparatus for supplying air to workmen when working within a compartment, comprising a helmet hav-

ing intake and discharge passages, an air supply and discharge element comprising means for supplying air under pressure and involving air supply and discharge pipes haivng a plurality of nozzles spaced longitudinally thereof, said pipes being coupled together and provided with a valve for controlling the communication there-



between and for regulating pressure in the discharge pipe, flexible tubings mounted in connection with the intake and discharge passages of the helmet and adapted to be detachably connected with the nozzles of said supply and discharge pipes and the free end of said discharge pipe opening to atmosphere.

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1,561,087. POURING FRAME FOR CASTING MOLDS. WILLIAM J. KORTEN, Jr., St. Louis, Mo., assignor to Carondelet Foundry Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 23, 1924. Serial No. 694,602. 5 Claims. (Cl. 22—112.)

1. A casting frame for molds comprising four duplicate and interchangeable plates each of which has a number of longitudinal slots near one end, a flange extending at right angles from the opposite end of each plate and having a number of slots therein spaced equally with the first named slots, each of said plates having a number of openings therethrough, and means passing through said slots for securing the plates together.

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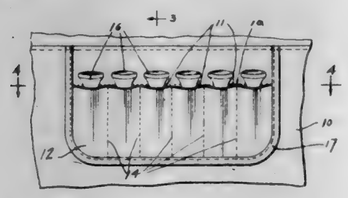
1,561,088. TEE HOLDER FOR GARMENTS. RALPH E. LADUE, Brooklyn, N. Y., assignor to John David, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1925. Serial No. 51,926. 3 Claims. (Cl. 2—250.)



1. In a tee holder for garments and golf accessories, the combination of a flexible front member, a flexible rear member engaging the same to form a plurality of pockets therebetween to receive a plurality of tees, and a substantially flat supporting member for said tee holder arranged to retain the same taut transversely of said pockets, said rear member extending above the openings of said pockets and being secured to said supporting member immediately adjacent to the openings of said pockets whereby the heads of said tees are brought into direct frictional abutment wth said rear member, the latter being retained substantially straight along the line along which it is secured to said supporting member.

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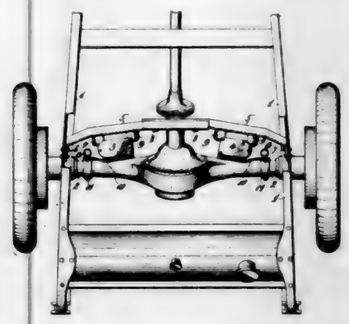
1,561,089. MEANS FOR ATTACHING SHOCK ABSORBERS TO MOTOR OR OTHER VEHICLES. JAMES S. LANG, Watertown, Mass. Filed Apr. 21, 1923. Serial No. 633,778. 2 Claims. (Cl. 267—8.)



1. The combination with the frame and axle of a vehicle, of a shock absorber having an external rocker arm, means connecting the rocker arm to the axle of the vehicle, an attaching member for the shock absorber to which it is secured, said member being formed and arranged whereby it will extend between and be attached to the frame at separate points so located that the locus of force exerted by the shock absorber during the functioning thereof will lie substantially within a plane passing through said points, and means for attaching said member to the frame at said respective points.

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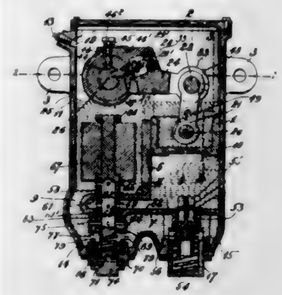
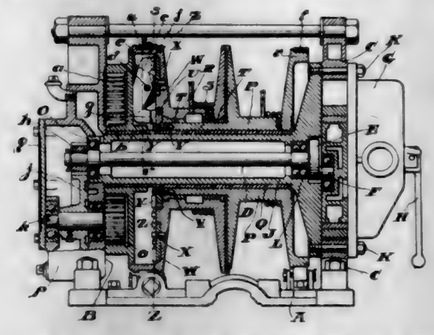
1,561,090. SHOCK ABSORBER. JAMES S. LANG, Watertown, Mass. Filed Dec. 31, 1923. Serial No. 683,603. 18 Claims. (Cl. 188—88.)



1. In a fluid check shock absorber, a casing, a rock shaft mounted thereon, a rocker arm with hub embracing said shaft, means for keying the hub to the shaft comprising a member having a conical head, and a tightening plug threaded to turn in said hub and bear when tightened against said member, said plug having a hollow end into which the conical head of said member fits.



1,561,091. DOUBLE-DRUM HOIST. EARL B. LEAR, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 30, 1925. Serial No. 40,482. 2 Claims. (Cl. 254—185.)



1. In a double drum hoist, the combination of a main driving shaft, two drums mounted side by side and rotatable relatively to the driving shaft, a reversible motor, a main driver connected to be rotated by the driving shaft at one end of the drums, drum drivers mounted at one end of the drums, and a double ended rocking pawl carried by the main driver on an axis transverse to the longitudinal axis of the hoist and automatically adjustable into engagement with one drum driver or the other in accordance with the direction of rotation of the main driver.

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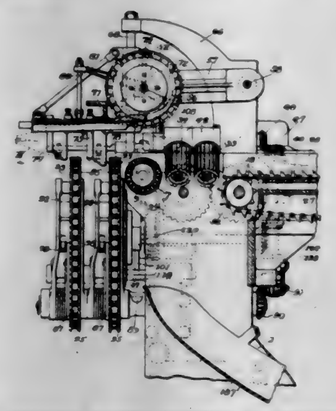
1,461,092. MACHINE FOR DEBUTTING CORN. WILLIAM HAMMOND LEISTER, Westminster, Md., assignor to The United Machinery Company, Westminster, Md., a Corporation of Maryland. Filed July 18, 1918, Serial No. 304,728. Renewed June 16, 1919. 41 Claims. (Cl. 146—84.)



1. A debutting machine including in combination cutting devices, alining means for positioning the article for debutting and devices operated upon by the article for varying the capacity of the alining means to correspond to the size of the article debutted.

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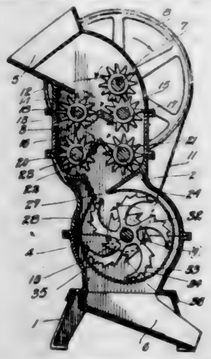
1,561,093. FEED MILL. LORREN B. MCCARGAR, Kansas City, Mo. Filed Apr. 14, 1924. Serial No. 706,344. 4 Claims. (Cl. 83—6.)

1. In a mill, a casing comprising upper and lower chambers, a cylindrical screen in the lower chamber, having a receiving opening at its upper portion, a plurality of arms rotatable within the screen and adapted for forcing material therethrough, cutting means in the upper chamber, and a partition separating the upper and lower chambers having a throat at one side of the



arm axis and inclined to deliver material into the screen tangentially to the arms and in the direction of the arms rotation.

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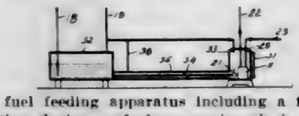
1,561,094. FUEL-FEEDING APPARATUS. JOHN AMBROSE MALONE, Brooklyn, N. Y. Filed Aug. 25, 1924. Serial No. 733,889. 1 Claim. (Cl. 158—36.)



In a fuel feeding apparatus including a fuel tank, a carburetion device, a fuel consuming device, a conduit for conveying liquid fuel by gravity from the tank to the carburetion device, and a second conduit for conveying a fuel and air mixture from the carburetion device to the consuming device, the combination of a chamber adjacent said fuel tank and enclosing the carburetion device and the liquid fuel conduit to collect liquid fuel leaking therefrom, said chamber having a portion extending upwardly above the highest elevation of liquid in the tank to prevent the escape of liquid from said chamber, and an air inlet for admitting air to the carburetion device from the exterior of said chamber.

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1,561,095. CEMENT. WILLIAM W. MARLETT, Glendale, Calif. Filed Sept. 12, 1924. Serial No. 737,422. 2 Claims. (Cl. 87—17.)

1. A cement composed of resin, coal tar pitch, linseed oil, vulcanized rubber, and a sufficient quantity of gasoline to bring the mixture to the consistency of heavy molasses.

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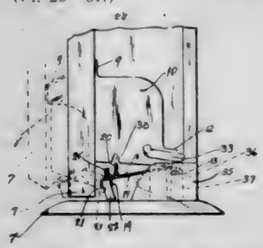
1,561,096. WEATHER STRIP. FRANK MAROVICH, Detroit, Mich. Filed Apr. 28, 1924. Serial No. 709,400. 2 Claims. (Cl. 20—67.)



1. A weather strip comprising a housing, the lower edge of said housing being angularly turned and doubled

upon itself; a plate extending longitudinally of said housing and having one edge angularly turned and interlocking with said angularly turned edge of said housing, to provide a hinged connection, said plate being buckled intermediate its edges, the buckled portion projecting upwardly, the free edge of said plate being angularly turned; an engagement strip; and means cooperating with said angularly turned free edge of said plate for retaining said engagement strip mounted thereon, said buckled portion of said plate providing a reinforcement therefor; a rockably mounted rod projected into said housing and having an angularly turned end; an abutment block adapted for engaging said angularly turned end of said rod for rocking the same; an arm secured to the opposite end of said rod; and a coiled spring positioned between the end of said arm and said plate for effecting a downward movement of said plate, relatively to said housing upon the rocking of said rod.

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1,561,097. PACKING CONTAINER. ALFONS MAUSER, Cologne-Marienburg, Germany. Filed June 9, 1924. Serial No. 719,014. 2 Claims. (Cl. 220—73.)

1. A container comprising a substantially cylindrical wall and dished ends, said ends comprising a substantially cylindrical flange bent back outwards so as to form a double flange, the outer part of said double flange forming a prolongation of the cylindrical wall of the container and the edge of the outer part of said flange being united to the edge of said cylindrical wall by an external welded seam, and an abutment arranged behind the welded seam to support said seam.

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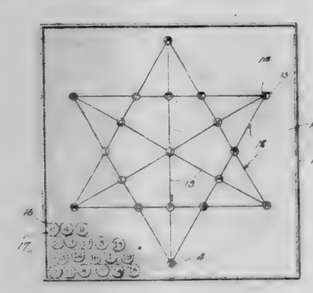
1,561,098. PUZZLE. CORNELIUS J. MEEHAN, Baltimore, Md. Filed Apr. 22, 1925. Serial No. 24,958. 1 Claim. (Cl. 273—132.)



In a puzzle of the class described, a board having the representation of a six pointed star formed by a plurality of interlaced equilateral triangles and provided with diagonals between the points of the star intersecting at a common point constituting the center of the star, such representation having station spots indicated at each point of the star, the center of the star and each intersection of the triangles with each other and with the diagonals whereby five station points are formed on each line, and a series of pieces consecutively numbered and equal in number to the station spots, said station spots having key indicia shown thereon.

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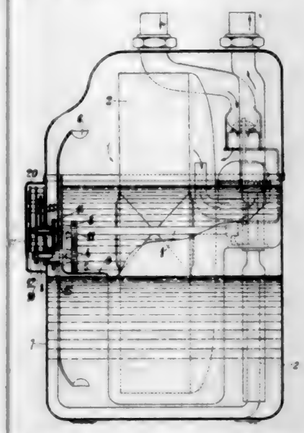
1,561,099. MECHANISM OF GAS METERS. LAURENT MILLET, Montrouge, Seine, France, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d' Usines à Gaz, Montrouge, France, a French Company. Filed Apr. 9, 1924. Serial No. 705,386. 1 Claim. (Cl. 73—1.)



In a gas meter of the liquid type, a casing, a rotary measuring drum in the same, a bearing passing through the casing and secured to said casing in a fluid-tight manner, a shaft mounted in this bearing, means for transmitting rotary motion of the measuring drum to said shaft, an indicating mechanism arranged exteriorly of the casing, means for transmitting rotary motion of the shaft to the indicating mechanism, an elevating apparatus journalled on the bearing within the casing, and means for transmitting rotary motion of the measuring drum to the said elevating apparatus.

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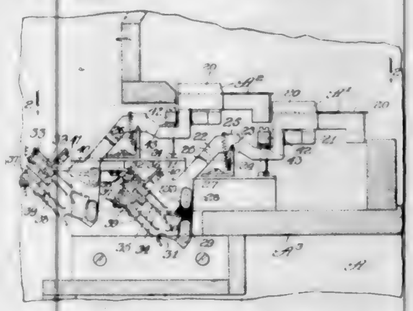
1,561,100. KEY MANUAL FOR ELECTRIC MUSICAL INSTRUMENTS. BERTIE E. MILLS, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Original application filed June 14, 1922, Serial No. 568,248. Divided and this application filed Mar. 31, 1924. Serial No. 703,177. 6 Claims. (Cl. 84—326.)



4. A console for controlling the playing of stringed instruments, comprising two parallel horizontal metallic bars, each carrying a plurality of circuit jacks, one contact member of each circuit jack being mounted directly on the corresponding metallic bar and the other contact member being separated from the companion contact member by an insulating strip, whereby each of said metallic bars serves as a common conductor for the attached contact members of the jacks, a fulcrum-bar extending parallel with said first-mentioned bars, a plurality of key-levers fulcrumed on said fulcrum-bar,



each of said key-levers being equipped at one end with a pair of contact members adapted to close the circuits through one of the jacks mounted on each of said metallic bars, and a key mounted upon the other end of each key-lever.

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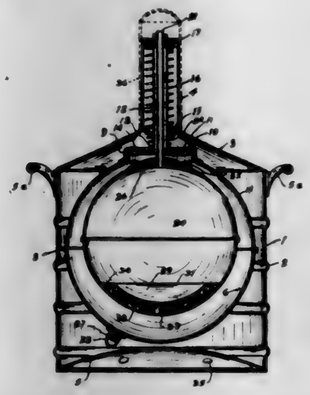
1,561,101. LIQUID-OXYGEN CONTAINER. CHESTER MOTT and WILLIAM H. MARSHALL, Denver, Colo., assignors, by mesne assignments, to Purox Company, Denver, Colo., a Corporation of Colorado. Filed Jan. 28, 1924. Serial No. 688,972. 3 Claims. (Cl. 220—10.)



1. A vessel for storing and shipping liquefied gases comprising, in combination, an inner container having a long, narrow neck rigidly attached thereto, an outer container surrounding said inner container, said outer container having an opening, a flexible diaphragm secured in said opening, said diaphragm having an opening, a tubular member extending through said diaphragm and rigidly secured thereto, the neck of the inner container extending through the tubular member, a ferrule spacing the tubular member from the neck, said ferrule being connected to said member and neck by an airtight joint, a casing surrounding said containers, said casing having a cylindrical neck portion for the reception of the tubular members secured to the outer containers, a universal joint between said cylindrical neck and the tubular member, resilient means for supporting said universal joint, and resilient means opposed to said resilient supporting means.

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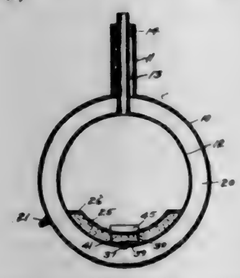
1,561,102. VACUUM CONTAINER. CHESTER MOTT, Denver, Colo., assignor, by mesne assignments, to Purox Company, Denver, Colo., a Corporation of Colorado. Filed Apr. 30, 1924. Serial No. 710,011. 10 Claims. (Cl. 220—9.)



1. A vacuum producing device comprising: walls forming an evacuating chamber; gas absorbent material whose absorbing capacity varies with temperature, said gas absorbent material being situated in said evacuating chamber; means for connecting said evacuating chamber with the space to be evacuated when the temperature of said material is such as to give it a high adsorptive value; and means for closing the connection between said evacuating chamber and the space to be evacuated when said adsorption value is reduced by a change in temperature.

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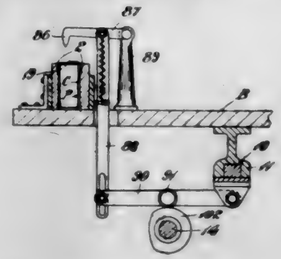
1,561,103. MACHINE FOR CLOSING CARTONS. ANDREW FRANCIS NEY, East Kew, Australia. Original application filed June 20, 1923, Serial No. 648,549. Divided and this application filed Sept. 22, 1924. Serial No. 739,226. 4 Claims. (Cl. 93—6.)



1. In machines for closing cartons provided with flaps, one formed with a slit and another with a peak, an intermittingly traveling carrier provided with carton receiving pockets formed with flared mouths, means to fold the flaps with the peaked one overlying the slit, a pivoted arm formed with a downwardly bent finger above the flaps and means to reciprocate said arm in contact with the flaps whereby the peak of one flap is inserted in the slit of the other flap.

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1,561,104. NAIL. FRED OLDFIELD, Portsmouth, N. H., assignor to Morley Button Manufacturing Company, Portsmouth, N. H., a Corporation of Maine. Filed Nov. 12, 1924. Serial No. 749,418. 5 Claims. (Cl. 85—28.)

1. A nail comprising, in combination, a shank, a disk in which said shank is mounted, and a metallic casing enclosing said disk and having portions penetrating the latter for a substantial distance in an annulus spaced materially from the periphery of the disk.

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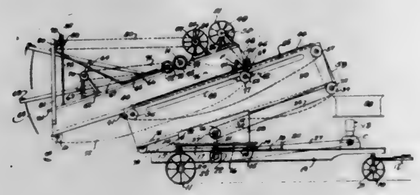
1,561,105. MANURE LOADER. WILLIAM OTTO, Algoma, Wis. Filed May 25, 1922. Serial No. 563,497. 5 Claims. (Cl. 198—10.)

1. A machine of the character described comprising a wheeled truck, a turn table supported thereon, a rearwardly inclined stationary conveyor constructed and arranged upon the turn table, an extensibly slidable conveyor constructed and arranged upon the stationary conveyor, a tilting section on said slidable conveyor, means for adjusting the section, and loading mechanism on said section.

3. A machine of the character described comprising a wheeled truck, a turn table supported thereon, a rearwardly inclined stationary conveyor constructed and arranged upon the turn table, an extensibly slidable conveyor constructed and arranged upon the stationary means for adjusting the section, slotted guides on the



section, bearings on said section, a cranked shaft journaled in the bearings, fork arms connected with the cranks of the shaft and having crossheads slidable in the slotted guides, tine forks on the outer ends of the fork arms and means for simultaneously driving the conveyors and operating the cranked shaft.

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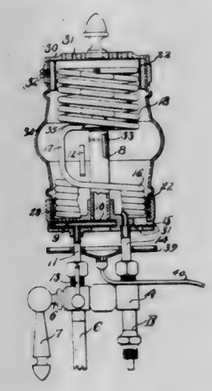
1,561,106. DENTIST'S WATER HEATER. CHARLES E. PARKHURST, Somerville, Mass. Filed May 20, 1922. Serial No. 562,491. 5 Claims. (Cl. 122—250.)



2. A water-heater comprising a casing having air openings at its upper and lower ends and a central enlargement, a water coil disposed in said casing below said enlargement, a second water coil substantially filling the space above said enlargement but providing longitudinal openings therethrough, means for catching and carrying away the water of condensation which drips from said coils, and a burner arranged in said casing to direct the flame downwardly into the space provided by said enlargement between the coils and not into direct initial contact therewith.

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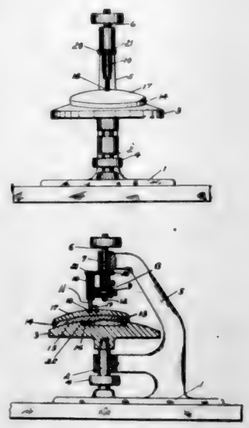
1,561,107. LENS-GRINDING MACHINE. HAROLD K. PARSONS, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 1, 1921. Serial No. 481,812. 2 Claims. (Cl. 51—133.)

1. A machine for grinding multifocal lenses comprising a tool provided with a central recess on its surfacing face, a spindle concentrically mounted for rotation above the tool, a sun gear secured adjacent the lower end of the spindle, an adjustable bracket arm secured to the lower end of the spindle, the length of said bracket arm being less than the radius of the recess in the tool, a work



holder mounted for rotation in the bracket arm, and a pinion secured to the work holder shaft and meshing with the sun gear.

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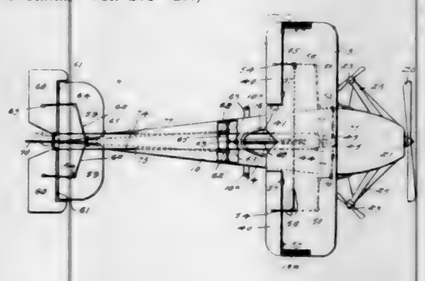
1,561,108. AEROPLANE. CLAUDIUS M. PETTY, Wilkesboro, N. C. Filed Jan. 12, 1923. Serial No. 612,269. 1 Claim. (Cl. 244—29.)



An airship having a fuselage, a plane carried thereby, an aileron associated with said plane, a substantially tubular bearing arranged longitudinally within the fuselage and at an inclination, said bearing being open intermediate its ends, a rock shaft journaled in said bearing against movement longitudinally of the bearing, means to actuate said aileron through rocking movement of said shaft, an auxiliary plane, a control element for said plane movable on an axis at substantially a right angle to the rock shaft, a lever by means of which said shaft is rocked extending therefrom through the opening of the bearing, means connecting said lever to said shaft for movement independently thereof on an axis substantially parallel to the axis of the control means, and a rod connection between said lever and control means.

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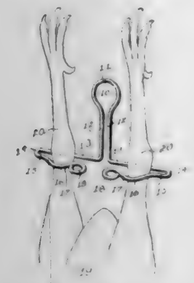
1,561,109. FOWL-DISPLAY HANGER. JOHN W. PLATT and ARTHUR E. KRAMER, Waterville, Conn. Filed Feb. 21, 1925. Serial No. 10,829. 5 Claims. (Cl. 17—44.)

1. In a poultry display hanger, an upper loop adapted to be hung upon a wall-hook or other support in a meat market, a vertical section connected to said loop and a



pair of lower laterally extending loops directly connected to said vertical section for supporting the legs of a fowl



in spaced-apart position, said lower loops being oppositely disposed and having their centre lines in alinement

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1,561,110. SHADE HOLDER. THEODORE REMINGER, Tiffin, Ohio. Filed Mar. 10, 1924. Serial No. 698,294. 2 Claims. (Cl. 156—24.)

1. A holder of the class described including a body provided with an upwardly turned bottom flange and a downwardly turned upper flange, a curtain bracket including a plate and an arm, said arm provided with a slot, the ends of said plate being slidable in the ways formed by the flanges on the body, a rod rotatably mounted on the body and adapted to extend through the slot of the arm of the bracket, and teeth extending from the rod and adapted to be brought in registry with the slot of the arm in order that the bracket may be moved longitudinally of the body or to be disposed out of alinement therewith for holding the bracket in a fixed adjusted position.

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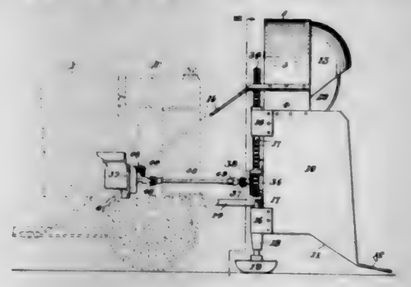
1,561,111. SNOWPLOW. LEON W. RITTENHOUSE, Rochester, N. Y. Filed Apr. 17, 1924. Serial No. 707,175. 1 Claim. (Cl. 37—43.)



The combination with a tractor and its motive power unit, of a snow gathering, bladed wheel carried by and located forwardly of the tractor, a gear connected to said wheel to rotate therewith, a pinion meshing with the gear, a casing carried by the tractor, a stub shaft journaled in the casing and projecting therefrom, a sprocket wheel on the projecting portion of the stub shaft, a sprocket wheel on the front end of the crank shaft of the motive power unit for the tractor, a chain connection for said sprocket wheels, a gear on the stub shaft within the casing, a clutch controlled connection between the stub shaft and the gear within the casing, and a drive connection between the last mentioned gear and the pinion.

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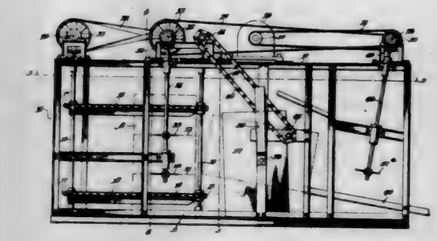
1,561,112. METHOD OF AND MEANS FOR SCORING ICE. ROBERT H. ROARK, Waco, Tex., assignor to Perfection Ice Scoring Machine Company, Waco, Tex., a Corporation of Texas. Filed Aug. 24, 1922, Serial No. 584,075. Renewed Sept. 28, 1925. 7 Claims. (Cl. 125—13.)



1. The herein described method which consists in moving a block of ice in one direction and simultaneously scoring the sides thereof, tilting the block to an inclined position through an arc of substantially 90°, and while in the inclined position causing the block to move by gravity in the same direction and simultaneously causing the scoring of the block in a direction transverse to the first scoring.

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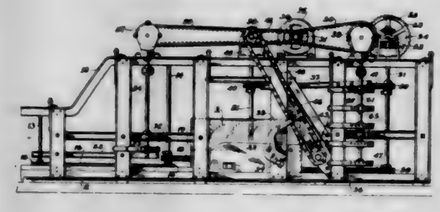
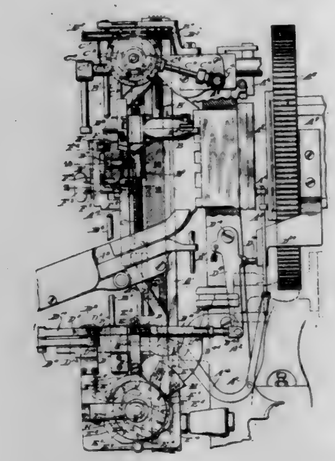
1,561,113. METHOD OF AND MEANS FOR SCORING ICE. ROBERT H. ROARK, Waco, Tex., assignor to Perfection Ice Scoring Machine Company, Waco, Tex., a Corporation of Texas. Filed Feb. 9, 1924. Serial No. 691,751. 19 Claims. (Cl. 125—13.)



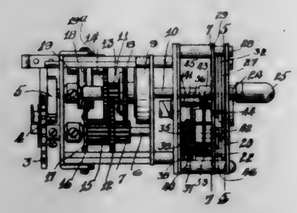
1. The herein described method which consists in moving a block of ice and simultaneously scoring the sides thereof in one direction, tilting the block in a vertical plane through an arc of substantially 90°, and subsequently moving the block and simultaneously scoring the sides thereof in a direction transverse to the first scoring, without changing the course of direction of movement of said block.

1,561,114. TYPOGRAPHICAL MACHINE. JOHN R. ROGERS, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Mar. 20, 1924. Serial No. 700,467. 40 Claims. (Cl. 199—59.)



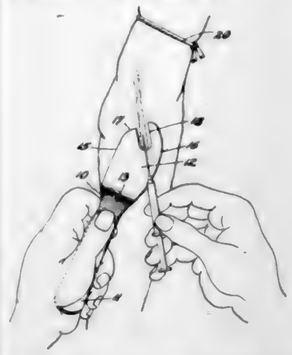
1. In a typographical machine, the combination of slug producing mechanism adjustable to vary the length of the slugs, and automatic means for effecting such adjustment at every other slug producing operation.

1,561,115. IMPULSE TRANSMITTER. JOHN J. RUDDICK, West Newton, Mass., assignor to General Street Signal Corporation, Rochester, N. Y., a Corporation of New York. Filed Dec. 22, 1920. Serial No. 432,544. 12 Claims. (Cl. 177—378.)



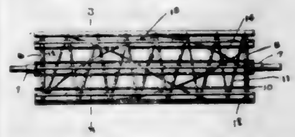
1. The combination with an impulse transmitting mechanism and a motor for operating the same, of a signal arranged to indicate the operation of the impulse transmitting mechanism and having connection with the impulse transmitting mechanism to be set away from normal position upon the operation of the impulse transmitting mechanism, and a motor for effecting the movement of the signal toward its normal position, including means controlled by the impulse transmitting mechanism for effecting the movement of the second mentioned motor to effect the movement of the signal toward its normal position.

1,561,116. VEIN STABILIZER. JOHN C. SILLIMAN, Palo Alto, Calif. Filed Apr. 1, 1925. Serial No. 19,926. 8 Claims. (Cl. 128—214.)



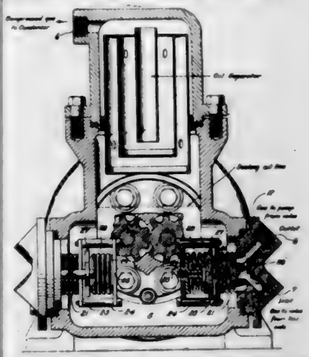
1. A venous stabilizer for use in vein puncture, including a handle and a substantially flat blade portion having a notch therein, said blade portion being adapted to be pressed over a distended vein to close on end thereof with the vein projecting through said notch.

1,561,117. PAPER-CYLINDER MOLD. JOHN R. SINCLAIR, Holyoke, Mass. Filed Apr. 9, 1921. Serial No. 460,130. 1 Claim. (Cl. 92—48.)



A paper cylinder mold consisting of end spiders having circular rims and hubs, trunnions mounted in the hubs, a flat helix having end coils parallel to each other, united to the rims in parallel relation thereto and holding the spiders in spaced relation, said helix having external notches therein, flat bars in said notches flush with the external edge of the helix, a series of rods mounted on the turns of the helix and on the rims and end coils, and a helix extending in an opposite direction to and secured on the first helix.

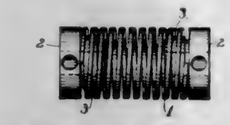
1,561,118. PRESSURE TEMPERATURE VALVE. HAZOR JUDSON SMITH, Springfield, Mass., assignor, by mesne assignments, of one-fourth to Willard Reid, Springfield, Mass; one-fourth to Alfred Buckley, jr., Providence, R. I.; and one-fourth to John W. Scott, Philadelphia, Pa. Filed Feb. 5, 1921, Serial No. 442,894. Renewed Mar. 31, 1925. 10 Claims. (Cl. 236—92.)



6. A device of the character described, including an expansible body having an inlet and outlet, a valve having a seat within said body and a sealed expansible chamber operatively connected to said valve to actuate the valve.

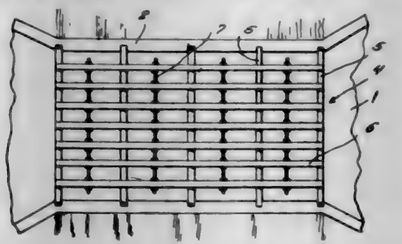


1,561,119. FLEXIBLE COUPLING. HAZOR JUDSON SMITH, Springfield, Mass., assignor, by mesne assignments, of one-fourth to Willard Reid, Springfield, Mass.; one-fourth to Alfred Buckley, jr., Providence, R. I.; and one-fourth to John W. Scott, Philadelphia, Pa. Filed May 23, 1922, Serial No. 563,105. Renewed Mar. 31, 1925. 3 Claims. (Cl. 64—96.)



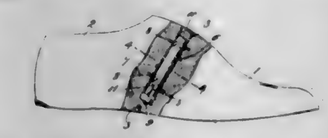
1. A flexible coupling in combination, a coiled spring wound opposite to the direction of the applied torque, shanks adapted to screw into each end of the spring provided with a collar against which the ends of the spring compress axially whereby tension is given to the spring to prevent its being unscrewed before radial compression takes place due to the application of the torque.

1,561,120. CROSSING GRATE FOR GUTTERS. LEON SMITH, Hammondsport, N. Y. Filed June 26, 1925. Serial No. 39,783. 1 Claim. (Cl. 94—30.)



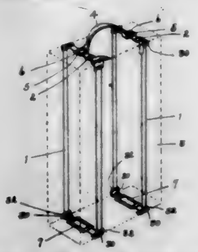
In a structure of the class described, a concrete trough, the side walls of which are provided at their upper ends with ledges, an open work grate resting upon said ledges, said grate comprising longitudinal transversely spaced stringers having bolt holes at their opposite ends, there being bolts embedded in said trough walls, and said bolts extending through said holes to anchor said stringers in place, and a plurality of longitudinally spaced cross bars fastened to said stringers, together with tie rods connecting said bars together.

1,561,121. LAST. EDMUND S. SPINNEY, Abington, Mass., assignor to Jeremiah Fitzpatrick, Brockton, Mass., and Charles H. Fitzpatrick, North Abington, Mass. Filed Nov. 17, 1922. Serial No. 601,540. 3 Claims. (Cl. 12—135.)



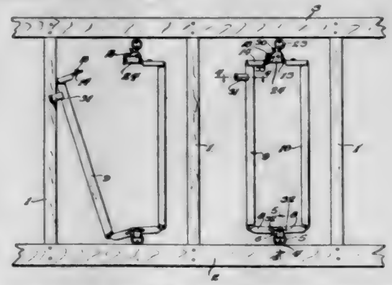
1. A last comprising a fore-part section and a heel-part section having a boring therein along the line of cut between said sections when in aligned position, interlocking bars slidable on one another contained within said boring and secured respectively to said last sections whereby said sections will be maintained by the bars in aligned position and be movable into and out of aligned position, said bars being so arranged that the line on which they slide is at an angle with relation to the line of cut between the sections whereby the sections will move relatively toward one another when moved into aligned position and outwardly away from one another when moved out of aligned position, and means for securing the bars to said sections.

1,561,122. LUGGAGE CARRIER. SARAH M. STAHL, Utica, N. Y. Filed Jan. 23, 1925. Serial No. 4,329. 2 Claims. (Cl. 190—38.)



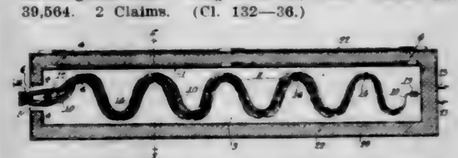
2. In a luggage carrier, a harness comprising adjustable straps, a handle mounted on said harness, members having rollers swiveled thereto, elongated slots formed in said members, bolts projecting through said elongated slots, whereby to hold said members in given relation to each other and accommodate the same to the size of the luggage, and corner pieces slidingly mounted on said harness to aid in protecting said luggage.

1,561,123. STANCHION. FRED STAUFFER, Mount Vernon, Mo. Filed May 9, 1925. Serial No. 29,119. 2 Claims. (Cl. 119—147.)



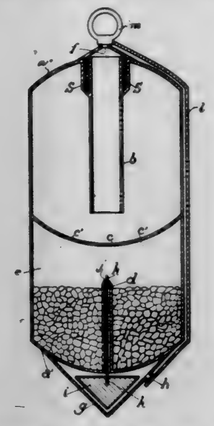
1. A stanchion comprising a relatively stationary member, a relatively movable member, a spring tongue at the upper end of the stationary member adapted to project under the extremity of the movable member, an upstanding tongue on the movable member at the upper extremity thereof, and a latch carried by the stationary member and having a hooked free extremity to engage under said tongue.

1,561,124. MARCEL WAVER. BENJAMIN F. STEWART, Birmingham, Ala. Filed June 25, 1925. Serial No. 39,564. 2 Claims. (Cl. 132—36.)



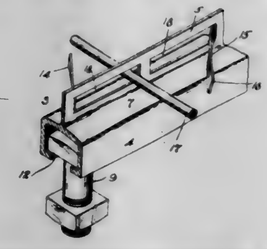
1. A permanent Marcel waver comprising a metal casing composed of a top and bottom section hingedly connected along one side edge, a serpentine metal strip removably mounted in said casing, clips carried by said casing for securing the ends of said strip in operative position, and means for heating the casing.

1,561,125. SELF-IGNITING MARINE TORCH. HERMANN THEM, Dinglingen, Germany. Filed Mar. 6, 1925. Serial No. 13,662. 3 Claims. (Cl. 9—83.)



1. In a self-igniting marine torch, the combination of a casing, a body of ballast for weighting said casing, and means for producing a dropwise supply of water to said casing, said means comprising a narrow upward tube opening into said casing and a needle extending into said tube and connected to said body of ballast.

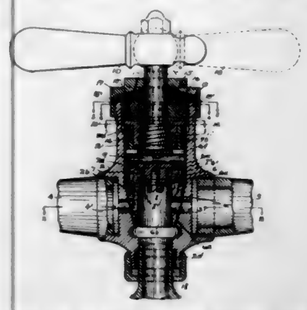
1,561,126. CONCRETE-REENFORCING MEMBER. JOHN C. TIMM, Youngstown, Ohio. Filed July 5, 1921. Serial No. 482,301. 1 Claim. (Cl. 72—105.)



A combined reenforcing and protecting metallic insert for concrete structures comprising a face portion adapted to be exposed as a part of the outer surface of such structure, a web member with a T-shaped head adapted to be imbedded in said concrete forming substantially an I-beam with said face portion and elongated integral anchoring members inclined downwardly and outwardly from said web member to maintain said reenforcing member in immovable relation to the adjacent concrete, said anchoring members leaving elongated openings in said web members.

1,561,127. WATER-MIXING VALVE. ORVIS W. VALLIER, Watertown, N. Y., assignor to J. B. Wise Incorporated, Watertown, N. Y., a Corporation of New York. Filed Apr. 6, 1925. Serial No. 21,066. 7 Claims. (Cl. 251—154.)

7. In a mixing valve for dispensing water at different temperatures, the combination with a hollow body formed with a valve chamber and with a threaded portion beyond said chamber and having cold and hot water inlet ducts communicating with said chamber, of a valve rotatable in said chamber and having radial ports adapted to respectively control the flow of the cold and hot water into said chamber, a stem for rotating said valve said stem passing axially through said threaded portion, means for reciprocating said stem when the latter is rotating the valve and for stopping the rotary movements of the stem immediately the valve is closed, a disc adjustably supported in said threaded portion adapted to control the operative seating of the valve, a cap for closing the open end of said threaded portion, a packing member partially filling the hollow side of said cap concentric to and in contact with the stem and also over-



lying the open end of said threaded portion, said packing adapted to be compressed by said cap against said stem and also against said threaded portion for preventing leakage in case the water wells upwardly in said portion, and means interposed between said disc and said packing for preventing the packing from disturbing the adjustment of the valve in case the packing rotates with the cap.

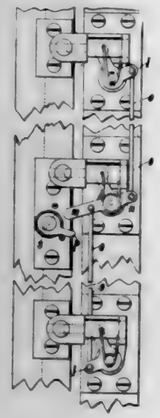
1,561,128. EAR-ORNAMENT SUPPORT AND METHOD OF FORMING SAME. ANTHONY E. WALLER, Edgewood, R. I. Filed Aug. 25, 1923. Serial No. 659,355. 2 Claims. (Cl. 29—160.6.)

1. A one-piece sheet metal ear-ornament support formed of a narrow elongated strip cut and formed from sheet stock with a concave convex enlargement intermediate its ends presenting a broad gem-supporting face, an integral pierced ear below said enlargement and set in a plane at a right angle to that of said enlargement and to which a pendant may be attached, a rearwardly-extending hook-shaped arm below said ear, and a loop-shaped portion circular in cross-section extending upwardly and rearwardly from the upper edge of said enlargement and adapted to pierce the ear of the wearer, the free end of said loop portion being engaged by the hook of said arm when in closed or operative position, and an ornament supporting pin extending from said enlargement.

2. An improved method of forming an ear ornament support, which consists in cutting a narrow elongated strip from sheet stock having a hook at one end, an enlarged disk-shaped portion intermediate its end and a laterally-extending ear thereon, piercing said ear, relatively twisting the strip about the longitudinal axis thereof to set said ear in a plane at a right angle to that of said enlargement, swaging said enlargement into cocavo convex shape and the opposite ear-engaging portion of the strip circular in cross section, and bending both the hook and the opposite ear engaging end portion back for engagement with each other.



1,561,129. DOOR LATCH. CHARLES TORRES WEYMANN, Paris, France. Filed Sept. 14, 1923. Serial No. 662,784. 5 Claims. (Cl. 292—36.)

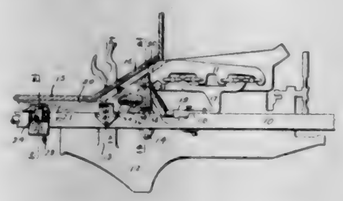


1. In a system for locking hinged vehicle doors, a door member and a door frame member, catches mounted on one of said members and including cylindrical bores having their axes perpendicular to the plane of the door, cylindro-conical bolts mounted on the other member and adapted to enter said bores, and means for locking the bolts in the cylindrical bores.

1,561,130. ANÆSTHETIC. HERMANN WIELAND, Konigsberg, Germany, assignor to the Firm C. H. Boehringer Sohn, Chemische Fabrik, Nieder-Ingelheim-on-the-Rhine, Germany, a Society of Germany. Original application filed Mar. 22, 1923, Serial No. 626,974. Divided and this application filed Jan. 27, 1925. Serial No. 5,125. 2 Claims. (Cl. 167—7.)

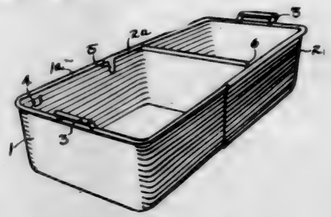
2. A composition of matter suitable for use as an anæsthetic, containing in major proportion acetylene irresponsive to physiological toxic tests, and a cyclic fragrant alcohol.

1,561,131. ATTACHMENT FOR CARBURETORS. WILTON M. WILKIE and WILLIAM WESTEDT, New Hampton, Iowa. Filed Feb. 7, 1924. Serial No. 691,324. 1 Claim. (Cl. 183—12.)



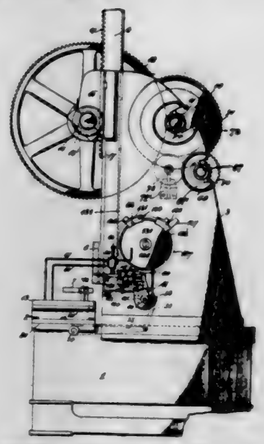
An attachment for carburetors comprising a main body portion formed rectangular in cross section having an enlarged portion at one end and a downwardly extending tank at its opposite end, a tube extending from the exterior of said body portion to the bottom of said tank and terminating near the bottom thereof, a screen at the upper end of said tank, a screen between the main body portion and the enlarged body portion, a pipe leading from the upper portion of the enlarged body portion and adapted to be attached to the intake of a carburetor.

1,561,132. COMBINATION PAN. CORA B. WISE, Dallas, Tex. Filed June 4, 1923. Serial No. 643,194. 2 Claims. (Cl. 141—11.)



1. The combination with a dish pan and a drainer telescopically connected thereto, a lug projecting inwardly from said dish pan, a resilient finger carried by said drainer, said finger adapted to engage said lug for retaining said drainer in one position and contact with a wall of the dish pan for limiting the outward movement of said drainer.

1,561,133. METAL-FINISHING MACHINE. DANIEL C. WOODWARD, Boston, Mass., assignor to Walworth Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 31, 1922. Serial No. 585,536. 24 Claims. (Cl. 90—33.)



24. In a machine of the type specified, the combination comprising a movable work table, a tool-carrying ram, mechanism for positioning the table, a work-holding clamp, mechanism for operating the clamp to occupy engaging or disengaging positions, a power-driven mechanism for operating the tool-carrying ram in reverse directions, mechanism for controlling said power-driven mechanism and consisting in part of a starting lever adapted and arranged to occupy normally a locked position, mechanism assisting in the retention and control of said lever and permitting of the release thereof only after said clamp-controlling mechanism has been rendered active to move the clamp into an engaging position, and means operated by said ram during the operation thereof assisting in the control of said various mechanisms to position said table, to move said clamp into a disengaging position, to control said lever including the restoration of said lever to its normal position and its retention in such position.

1,561,134. FOLDING SOLDERING IRON. ARTHUR A. WOOLMAN. Deer Lodge, Mont. Filed Oct. 7, 1924. Serial No. 742,169. 1 Claim. (Cl. 113—105.)

A soldering iron including a shank formed in two elongated sections having their inner ends provided with

lateral extensions, means for pivoting the terminals of the lateral extensions together, a soldering head on the end of one section, a handle on the end of the other section, and a sleeve slidable and rotatable on the section

having the handle and provided with a bayonet slot for receiving the lateral extensions when the sections are in alinement so that a portion of the sleeve is extended over the section having the soldering head thereon thereby holding the two sections extended in alinement with each other.

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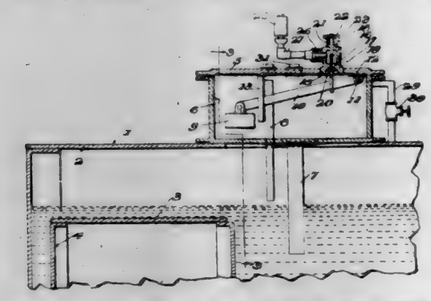
1,561,135. LOW-WATER ALARM FOR BOILERS. WILLIAM MACALLASTER BARBOUR, Roanoke, Va. Filed Apr. 16, 1924. Serial No. 707,011. 1 Claim. (Cl. 137—102.)



The combination with a boiler, of a casing superimposed on the boiler, said casing having an outlet adapted for connection with a whistle, a downwardly opening valve controlling said outlet and spring-pressed toward closed position, a float, means adapted to be actuated on downward movement of said float to move said valve from closed position, a pipe establishing communication between the water chamber of the boiler and the interior of said casing, said pipe terminating at its upper end at a considerable distance above the level of the bottom of the casing and terminating at its lower end slightly above the level of the crown sheet of the boiler, a second pipe opening at its upper end through the bottom of the casing and depending within the water chamber to terminate at its lower end below the level of the crown sheet of the boiler, and a valved by-pass conduit connecting the upper part of said casing with the upper part of said boiler.

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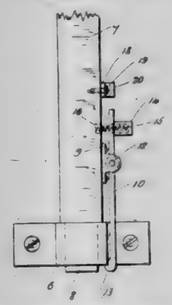
1,561,136. AUTO TRUCK STAKE HOLDER. JAMES BELL, West Medway, Mass. Filed Jan. 22, 1925. Serial No. 3,990. 1 Claim. (Cl. 296—43.)



The combination with a stake socket, and a stake slidable therein; of a catch lever pivotally supported by the stake and having a lug on its lower end for engaging with the stake socket, said lever having also a cup projecting laterally from its upper end portion on the opposite side thereof from the stake, a locking spring inclosed in the said cup and having a projecting end portion which bears on the stake, and a retaining plate pivoted to the stake above the upper end of the lever and having an offset portion for holding the lever when its lug is disengaged from the stake socket.

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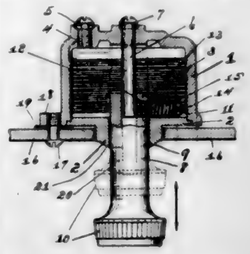
1,561,137. RHEOSTAT. FRANK H. BURNS, Hoosick Falls, N. Y., assignor to Hoosick Falls Radio Parts Manufacturing Company, Inc., Hoosick Falls, N. Y., a Corporation of New York. Filed May 20, 1922. Serial No. 562,541. 6 Claims. (Cl. 201—56.)



1. A rheostat having a hollow cylindrical body, an exposed coil spiral surface within and secured to the inner cylindrical surface of said hollow body, and a contact member rotatively and longitudinally movable with respect to the axis of said body and in contact with the exposed spiral surface of the coil.

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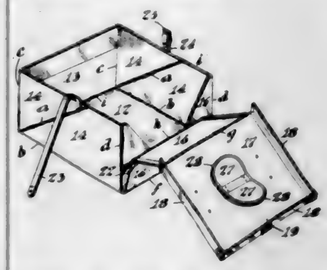
1,561,138. COLLAPSIBLE BOX. OLGA L. CHARTERS, Los Angeles, Calif. Filed Sept. 3, 1924. Serial No. 735,720. 3 Claims. (Cl. 206—8.)



1. A collapsible box having one of its walls formed to provide an open space when the box is set up to receptacle condition, said box having a cover and a foldable section connecting it with the bottom of the box, said foldable section being formed to extend over said open space when the box is set up and closed.

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1,561,139. ROAD CONSTRUCTION. RAYMOND W. COBURN, Weston, Mass. Filed July 29, 1925. Serial No. 46,888. 6 Claims. (Cl. 94—23.)

1. The method of road construction which consists in preparing a suitable subgrade, depositing thereon crushed stone and dry mortar, and placing bituminous material on the same before said mortar has set.

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1,561,140. TOOTHBRUSH. ALOYSIUS J. COLEMAN, Chicago, Ill. Filed Sept. 13, 1923. Serial No. 662,437. 4 Claims. (Cl. 15—135.)

1. A tooth brush structure comprising a hollow brush head having ducts establishing communication between the bristles and the interior of said head and one end



open for the reception of a handle, a tubular handle having one end slidably received within said head, the

free end of said handle being provided with a socket, and a compressible bulb having a rigid nozzle frictionally and detachably secured in the handle socket.

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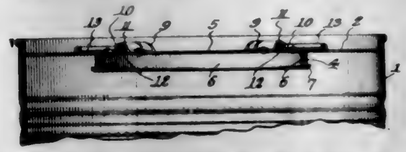
1,561,141. SHIPPING CAN. JAMES M. COUGHLIN, Kingston, Pa. Filed Feb. 24, 1925. Serial No. 11,245. 1 Claim. (Cl. 220—24.)

The combination with a container having a head opening and a continuous flange extending inwardly from the edge of the opening, of a closure insertible edgewise through the opening and including an annular flange of substantially the same diameter as the opening for frictional engagement with the inner surface of the head flange, an annular channel upon the closure flange, and elastic sealing material in the channel for the reception of the free edge portion of the head flange, a handle upon the closure, and means movably mounted on the closure for engaging the head.

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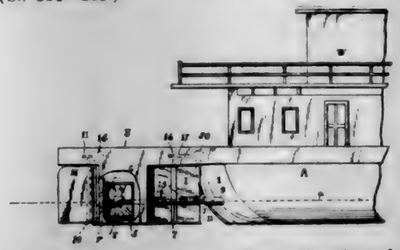
1,561,142. VESSEL. PHILIP C. ELSEY, Pittsburgh, Pa. Filed July 1, 1925. Serial No. 40,786. 17 Claims. (Cl. 114—163.)



1. In a power-driven vessel, the combination of propelling means, rudder-mechanism for flanking positioned in advance of said propelling means, and laterally extending flank passages for the escape of the forwardly driven water after its impingement against said rudder-mechanism.

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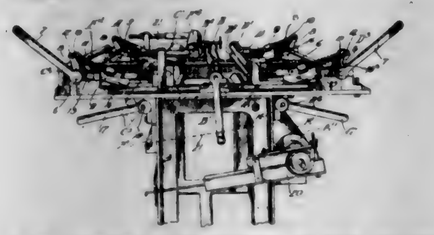
1,561,143. TUBE-FORMING MACHINE. HERBERT A. FABER, Cincinnati, Ohio, assignor to The Formica Insulation Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 7, 1921. Serial No. 443,137. 6 Claims. (Cl. 93—81.)



1. In a machine of the character set forth, the combination of a mandrel, carriages mounted on opposite sides thereof, pressure-rolls mounted on said carriages, carriage shifting mechanisms, and means for adjusting the fulcrums from which said carriage shifting mechanisms operate.

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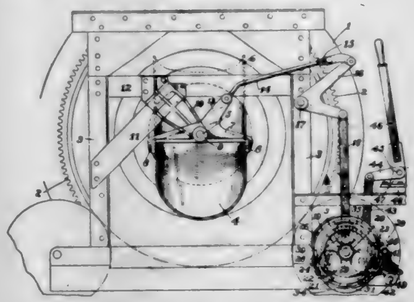
1,561,144. DISCHARGE MECHANISM FOR CONCRETE PAVERS. CHARLES E. FOOTE, Nunda, N. Y., assignor to The Foote Company, Inc., Nunda, N. Y., a Corporation of New York. Filed Jan. 24, 1925. Serial No. 4,525. 12 Claims. (Cl. 193—10.)



1. A discharge mechanism for concrete pavers comprising a chute movable from a charging to discharging position, a planetary gear, a crank arm, said crank arm connected to said chute and to a portion of said planetary gear, and means for operating the said planetary gear to thereby operate the chute.

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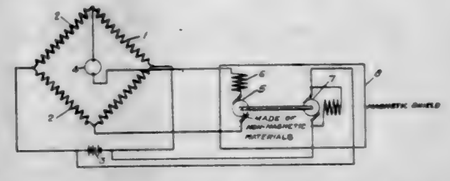
1,561,145. ELECTRICAL DEVICE. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 24, 1917. Serial No. 198,278. Renewed Aug. 13, 1921. Serial No. 492,158. 13 Claims. (Cl. 179—171.)




1. The combination with an electric circuit, of means connected to the circuit for permitting only currents having certain characteristics differing from the characteristics of the main currents to traverse the same and means responsive to the said currents for supplying energy to the circuit in accordance therewith.

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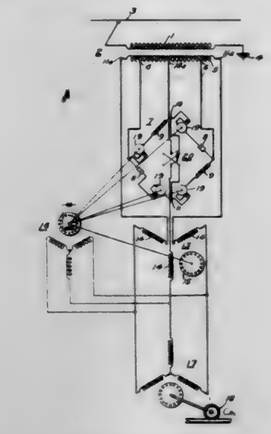
1,561,146. BALANCED ELECTROSTATIC PHASE CONVERTER. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 5, 1921. Serial No. 442,765. 8 Claims. (Cl. 172—246.)

2. The combination with a single-phase system, and a polyphase system, of a static network comprising fixed reactances interconnecting said systems for interchange of energy, and means for opposing the flow of unbalancing polyphase component currents through said static network, whereby the polyphase currents flowing therethrough are substantially balanced under all conditions, and means for reversing the static network connections.

6. The combination with a single-phase system and a polyphase system, of a static network interconnecting said systems for interchange of power, said static net-

work including reactance elements and means associated with said elements for supplying the ohmic resistance



losses thereof, and a series balancer for automatically equalizing the polyphase currents flowing between said static network and said polyphase system.

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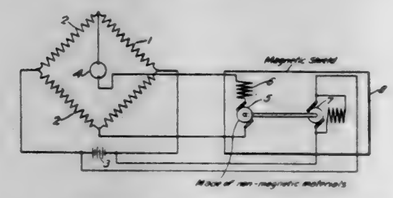
1,561,147. ELECTRICAL MEASURING DEVICE. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Original application filed Oct. 24, 1917, Serial No. 492,158. Divided and this application filed July 24, 1925. Serial No. 45,743. 3 Claims. (Cl. 171—95.)




1. In a measuring system, the combination with a null-reading instrument, of independently-actuated means connected in series with the instrument for supplying energy to the instrument circuit in proportion to the energy dissipated in the instrument.

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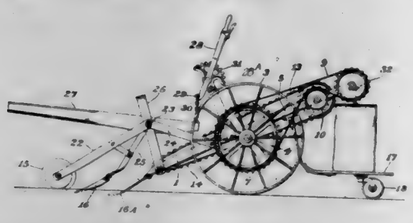
1,561,148. POTATO DIGGER. TOBIAS FOX, Toronto, Ontario, Canada. Filed Apr. 30, 1925. Serial No. 27,027. 2 Claims. (Cl. 55—137.)



1. The combination, in a potato digging machine, of an inclined tiltable elevator frame having a digging blade at its lower forward end, an upright yoke on the forward end of the frame, a pair of inverted V-shaped bars connected at their ends to the frame and midway of their lengths to the yokes, a concave gauging roller and cutting disc mounted on the free ends of the bars, downward inclined arms mounted on the yoke and bars, a jointer mounted on the lower end of the arms between the disc and digging blade and means to tilt the frame.

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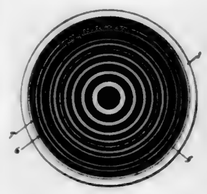
1,561,149. LIGHT-PROJECTING LENS. HAROLD L. GAGE, Salem, Oreg., assignor of one-third to Frederick Franklin Burya, Woodburn, Oreg. Filed Feb. 9, 1923. Serial No. 618,009. 3 Claims. (Cl. 240—48.4.)



1. A lamp comprising a case, an illuminating device within the case, a reflector, and a zone plate attached to the case and provided with alternating opaque and transparent light diffraction zones, the relative widths of which increase and diminish substantially in accordance with a specified law, as described.

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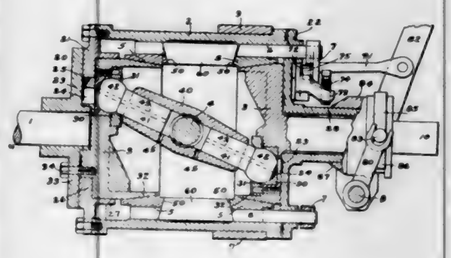
1,561,150. REVERSING GEAR. RALPH GERBER, Raymond, Wash., assignor to American Manufacturing & Sales Co., Raymond, Wash., a Corporation of Washington. Filed June 11, 1924. Serial No. 719,311. 10 Claims. (Cl. 74—14.)



1. A reversing gear comprising two axially separated cranks rotatable about a common axis, a shaft positioned to perpendicularly bisect the axis extensions between said cranks, a sleeve mounted to slide and rock upon said shaft and having guide sockets extending at right angles to the axis of said shaft and in opposite directions, plungers slidable in said sockets, said plungers and the cranks having ball-and-socket connections, and the plungers each having an axial bore whereby they may act as pumps for the circulation of oil to the bearing surfaces.

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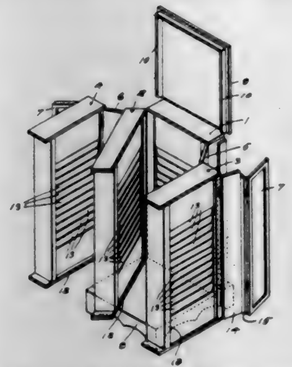
1,561,151. SHEET-MUSIC CABINET. OTIS W. GHARRING, Kingman, Ariz. Filed May 8, 1923. Serial No. 637,561. 6 Claims. (Cl. 45—2.)

1. A cabinet having a back section, a series of hingedly connected leaves having an end leaf of each series hingedly connected to each side wall of the back section, and cabinet sections carried by alternate leaves



of said series and in staggered relation relatively to the two series.

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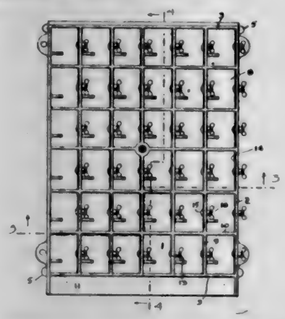
1,561,152. IMPACT AMALGAMATOR. WILLIAM W. GIBSON, Alameda, Calif. Filed Apr. 2, 1923. Serial No. 629,493. 2 Claims. (Cl. 83—68.)



1. An amalgamator comprising a receptacle adapted to be moved to agitate the pulp, a plurality of partitions extending across the receptacle, a plurality of partitions extending substantially at right angles to and joined with the first named partitions, said partitions defining a plurality of compartments each of which has an opening in one wall thereof providing for intercommunication with the several compartments and an upright amalgamator plate mounted against one wall of each compartment to one side of the openings, which amalgamator plates extend to the bottoms of said compartments.

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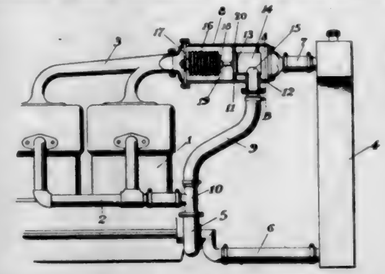
1,561,153. ENGINE-COOLING SYSTEM. JEAN V. GIESLER, Knoxville, Tenn., assignor to The Fulton Company, Knoxville, Tenn., a Corporation of Maine. Filed Aug. 19, 1916. Serial No. 115,865. 3 Claims. (Cl. 123—174.)

1. In a cooling system for an internal combustion engine, in combination with the engine jacket or jackets, a radiator, a conduit leading from the outlet of said jacket or jackets to the inlet of said radiator, a circulating pump, a conduit leading from the outlet of said radiator to the inlet of said pump, a conduit leading from the outlet of said pump to said first-named conduit, connections from the outlet of said pump to the inlet of said jacket or jackets, valve mechanism for respectively controlling the flow of cooling medium through said last-named conduit and said jacket or jackets, and thermosensitive means for actuating said valve mechanism to permit circulation of said cooling medium through said jacket or jackets only when said medium has attained a predetermined temperature, said thermosensitive means comprising an expansible and collapsible vessel normally contracted against an elastic force and charged with a



thermosensitive fluid at a pressure below that to which it is normally subjected exteriorly to that upon leakage of said vessel it will expand and move said valve mechanism to a position permitting circulation of the cooling medium through said jacket or jackets.

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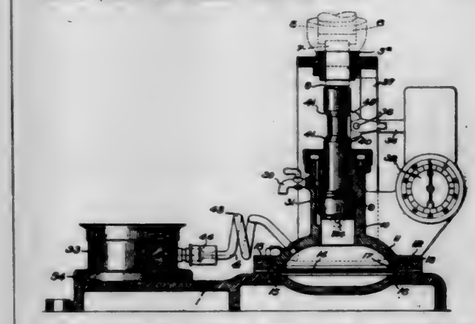
1,561,154. IMPACT-TESTING APPARATUS. GEORGE H. GILMAN, Boston, Mass. Filed Aug. 31, 1920. Serial No. 407,185. 66 Claims. (Cl. 265—47.)



1. In a device for testing impact tools, a movable impact receiving member, means resisting such movement comprising a body of liquid under initial pressure contained in a substantially closed chamber with a resilient wall of relatively large area, a counter, an impact register, means responsive to movement of said member for operating said counter, and fluid operated means responsive to the degree of the force of the impact for operating said register.

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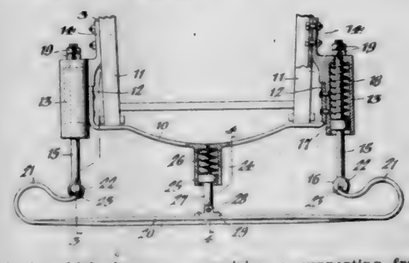
1,561,155. VEHICLE BUMPER. MORRIS GOLDSTEIN, Buffalo, N. Y. Filed Apr. 7, 1925. Serial No. 21,296. 5 Claims. (Cl. 293—55.)



1. A vehicle bumper, comprising a supporting frame adapted for attachment to the vehicle, an impact bar

disposed forwardly of said frame, and terminating at its ends in resilient portions, and yieldable members mounted on and extending forwardly from said frame and pivotally connected at their front ends to the resilient portions of the impact bar.

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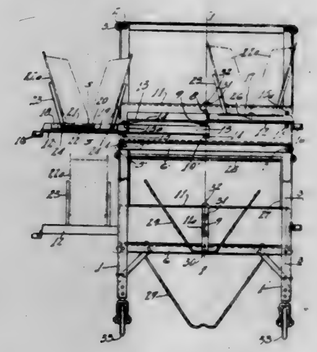
1,561,156. PORTABLE BOOKRACK. EDWARD D. GREEDY, Cedar Rapids, Iowa, assignor to Le Febure Ledger Company, Cedar Rapids, Iowa, a Corporation of Iowa. Filed Apr. 10, 1923. Serial No. 631,227. 5 Claims. (Cl. 45—56.)



1. In a portable book rack, the combination of a frame; rollers arranged centrally of the frame; shelves movably mounted between said rollers; bars at the end of the frame preventing the removal of the rollers; a folding shelf at the end of the frame; a brace for the folding shelf; and a hook on one of the bars on which the brace may rest when the shelf is raised to a horizontal position.

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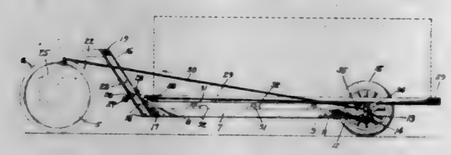
1,561,157. TRAILER UNLOADING MECHANISM. EDWARD R. GREER, Minneapolis, Minn., assignor to W. O. Winston, jr., Minneapolis, Minn. Filed Jan. 10, 1925. Serial No. 1,653. 10 Claims. (Cl. 214—65.)



1. The combination with forward draft wheels, of a trailer having a draft connection therewith, and means having peripheral connections with said wheels and adapted to apply a backward movement to the load to discharge it from the trailer upon the forward movement of said wheels.

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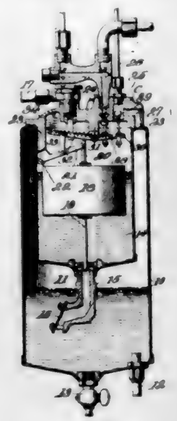
1,561,158. SEMISOLID STOCK FOOD AND PROCESS FOR MAKING THE SAME. WILLIAM P. M. GRELCK, St. Paul, Minn. Filed Sept. 27, 1923. Serial No. 665,226. 12 Claims. (Cl. 99—11.)

1. The process of preparing a grain food which consists in adding water to the starchy part of a quantity of whole grain and heating the same to render the said constituents soluble,, then adding a quantity of malt grain and steeping to produce maltose, subsequently converting the maltose into lactic acid, and adding a quantity of grain.

10. A food product containing ground grain, wort formed from malted grain, and a preservative quantity of lactic acid.

1,561,159. LIQUID-LEVEL-MAINTAINING DEVICE. JAMES HURST, San Francisco, Calif. Filed Aug. 12, 1921. Serial No. 491,711. 8 Claims. (Cl. 103—236.)



1. A liquid level maintaining device comprising a float chamber, an actuator of approximately the same weight as the liquid to be delivered to said chamber, said actuator being positioned to be partially or wholly submerged in said liquid, valve mechanism connected to said actuator and controlling the supply of liquid entering the chamber, and counterbalancing means within the chamber, and connected with the valve mechanism whereby operation of said valve mechanism is governed by the effective weight of the actuator.

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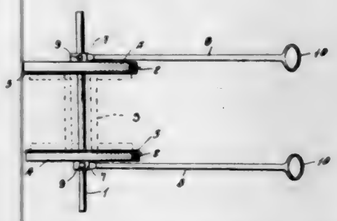
1,561,160. WIRE-REEL TRUCK. GEORGE INGENTHRON, Hermosa, S. Dak. Filed Mar. 19, 1925. Serial No. 16,744. 4 Claims. (Cl. 242—94.)



1. A wire reel truck comprising an axle, wheels mounted upon the axle for rotation with respect thereto and for adjustment with respect to each other, and handle bars adjustably secured to the axle outwardly beyond the wheels.

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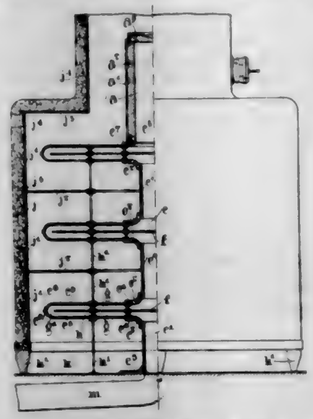
1,561,161. AIR OR OTHER GASEOUS FLUID HEATING FURNACE. ALEXANDER CONSTANTINE IONIDES, Jr., London, England. Filed Mar. 19, 1923. Serial No. 626,190. 5 Claims. (Cl. 126—116.)

1. An air or other gaseous fluid heating furnace having in combination a plurality of hollow flat chambers having opposite apertures in their two larger sides, a partition in each of said chambers between said apertures terminating shortly before reaching the perimeter of said larger sides, conduits connecting the apertures of the series of chambers with one another to form a column-like structure of alternating conduits and chambers, a combustion chamber connected to the upper aperture of the top flat chamber, an outlet flue connected to the lower aperture of the bottom flat chamber, a casing surrounding said column with space around the perimeter of said chambers, and centrally apertured baffle plates in said casing between said chambers leaving spaces around said conduits.





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1,561,162. SOCKET TERMINAL. LOUIS E. ISELE, Glenridge, N. J., assignor to Beaver Machine & Tool Company, Newark, N. J., a Corporation of New Jersey. Filed Feb. 4, 1922. Serial No. 534,017. 3 Claims. (Cl. 173—332.)

1. A socket terminal comprising a fixed leaf, lugs at the sides thereof, adjacent the ends and terminating in inturned fingers, substantially parallel to the body of the fixed leaf, a resilient member maintained in position by the said lugs and fingers, and a movable leaf pivotally connected centrally to the said resilient member.

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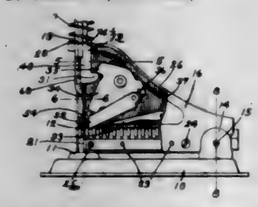
1,561,163. STAPLE BINDER. BERTHOLD JAHN and ERNEST EMIL KAHL, New Britain, Conn., assignors, by mesne assignments, to Gertrude H. Heyn, Compo Cove, Westport, Conn. Filed May 9, 1921. Serial No. 467,936. 17 Claims. (Cl. 1—2.3)



1. A staple binder comprising a base, a member pivoted thereto comprising a casing composed of a pair of opposed sheet metal side plates, a filler piece positioned between the lower portions of the side plates, a die at one end of said filler piece, the upper portion of said filler piece being reduced in width so as to serve as guide for a staple strip, feed devices in said casing, a plunger reciprocating in said casing and provided with a cutting edge for cooperation with said die and means for operating said feed devices, a spring seated upon said casing tending to elevate said plunger, and said plates comprising flat border portions and centrally indented portions arranged to provide flanges along the lateral edges of said plunger and flanges adjacent the filler piece for holding a staple strip thereon.

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1,561,164. METHOD OF PRESERVING WOOD. JOSEPH HIDY JAMES, Pittsburgh, Pa., assignor to Clarence P. Byrnes, trustee, Sewickley, Pa. Filed Dec. 19, 1921. Serial No. 523,600. 10 Claims. (Cl. 99—12.)

5. The process of preserving wood, comprising impregnating the wood with a liquid mixture containing alcohols, aldehydes and aldehyde fatty acids, derived by the partial oxidation of petroleum hydrocarbons.

9. As a new article of manufacture, a wood preservative containing alcohols, aldehydes and aldehyde fatty acids derived by the partial oxidation of petroleum hydrocarbons.

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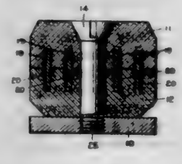
1,561,165. TELEPHONE JACK. LESTER L. JONES, Oradell, N. J. Filed July 18 1925. Serial No. 44,463. 6 Claims. (Cl. 179—96.)



1. A telephone jack structure comprising a bracket having means for attaching the same to a panel, a pair of mating insulating blocks arranged in superposed relation on said bracket, a plurality of jack spring blades mounted between and arranged transversely of said blocks with the planes of the blades lying normal to the plane of said bracket, the said insulating blocks being provided with pairs of mating notches and each of said jack blades having a portion receivable with a dovetailing interengagement by a pair of such notches for securing such blade to and between the insulating blocks, the said bracket and the lower of said blocks being provided with mating elements for positioning the blocks on the bracket, and a securing member joining the blocks together and attaching the same to the bracket.

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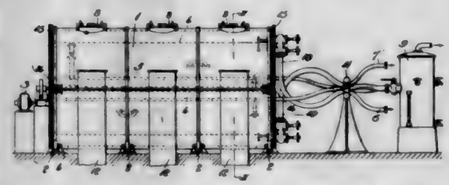
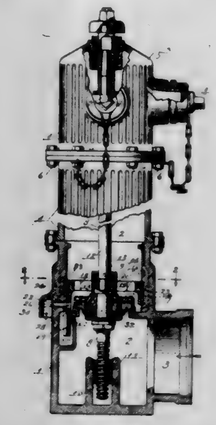
1,561,166. DRYING APPARATUS. AUGUSTINUS EDVARD JONSSON, Lidingo Villastad, Sweden. Filed Apr. 22, 1925. Serial No. 25,039. 2 Claims. (Cl. 34—5.)



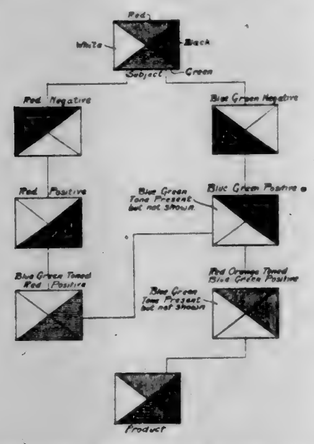
1. Drying apparatus with stirring means, in which the goods is dried under a great vacuum by means of heating surfaces, situated in the apparatus, characterized thereby, that the apparatus is movably mounted upon bearings and connected with a vacuum pump by flexible conduits for the purpose of permitting an oscillating movement of the apparatus one or more turns for stirring the goods without the necessity of using stuffing-boxes or the like.

1,561,167. HYDRANT. HERBERT O. JOYNT, Traverse City, Mich., assignor to Traverse City Iron Works, Traverse City, Mich., a Corporation of Michigan. Filed Mar. 18, 1925. Serial No. 16,369. 4 Claims. (Cl. 137—13.)



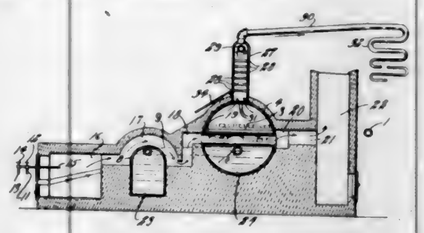
2. In a hydrant: a body having a vertically-extending water passage, a spillway through its side wall, a lateral chamber having a closed bottom below the spillway, a valve seat and a vertically extending guideway; a valve above the valve seat, vertically movable out of and into seating position thereon; a valve carried in connection with the first-mentioned valve, extending below the same and into said chamber and having a guided movement in the guideway, the second mentioned valve having a vent therethrough and being movable with the first mentioned valve to a position wherein said vent registers with the spillway in the first mentioned valve's closed position.

1,561,168. COLOR PHOTOGRAPHY. WILLIAM V. D. KELLEY, Jersey City, and DOMINICK TRONOLONE, Fort Lee, N. J., asignors to Kelley Color Laboratory, Inc., Palisade, N. J., a Corporation of New Jersey. Filed Feb. 5, 1924. Serial No. 690,722. 12 Claims. (Cl. 95—2.)



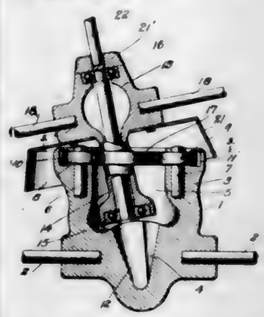

1. A photographic process which consists in forming a latent image in a colloid layer, developing in neutral or acid diamidophenol toning with an iron salt and after clearing with a bath of ammonium bromide and potassium bichromate in water solution forming an image toned with an uranium salt in the same colloid layer in registry therewith.

1,561,169. HYDROCARBON DISTILLATION. HENRY G. W. KITTREDGE, Toledo, Ohio, assignor to Caroline A. Kittredge, Toledo, Ohio. Filed Aug. 13, 1919. Serial No. 317,129. 4 Claims. (Cl. 196—131.)



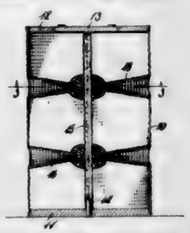
2. A still installation embodying a housing, a furnace, a first reservoir having an arched top for exposure to heating action from the furnace and a lower portion adapted to receive a precipitate in a portion thereof shielded by the housing from said furnace heating action, and a second fire tube reservoir mounted by the housing to receive the heating action from over the top of the first reservoir.

1,561,170. CARROUSEL. JAMES F. KLINE, Amarillo, Tex. Filed July 5, 1924. Serial No. 724,228. 5 Claims. (Cl. 272—50.)



1. A carrousel comprising a base having a recessed member, a spindle mounted in the member to rock back and forth in a definite plane, a hub rotatably mounted on the spindle, passenger-carrying means on the hub, a cam on the hub, and rollers carried by the base, bearing against the cam on the hub.

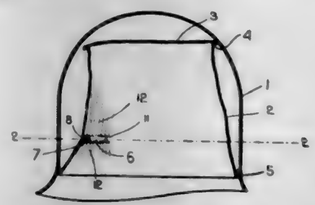
1,561,171. INSECT TRAP. ANNA HELEN KNIPKER, Clarksburg, Mo. Filed Sept. 9, 1922. Serial No. 587,239. 2 Claims. (Cl. 43—118.)



1. An insect trap comprising a base provided with a centrally disposed vertically extending pin, an outer tubular screen secured at its lower end to the peripheral portion of the base, a top secured to and closing the upper end of the screen and provided with an opening giving access to the interior of the screen, a door hinged to the top for closing said opening, an inner tubular screen arranged with its lower end resting on the base and telescoping said pin and its upper end positioned to be engaged and closed by said door, said inner tubular screen being of considerably smaller diameter than the said opening in the said top so as to readily pass therethrough when being engaged or disengaged with the said pin and a series of conical screens extending horizontally between the outer and inner tubular screens, each of said conical screens having its larger end secured about an entrance opening formed in the outer screen and its smaller end closely approaching the inner screen but spaced therefrom.

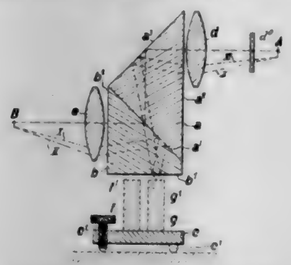


1,561,172. HAT LINING. DANIEL KOCH, Boston, Mass. Filed Feb. 20, 1924. Serial No. 693,999. 1 Claim. (Cl. 2—190.)



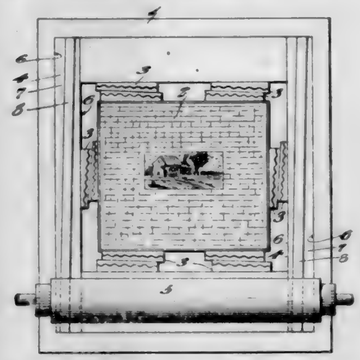
The combination with a hat, of a lining therefor having a side portion and top portion, the lower edge of the side portion being secured to the hat, the side portion at the rear of the hat having a fold therein which extends across the latter only, the remainder of the side portion having no fold therein, and an elastic tape or cord located in the fold and normally having a length less than that of the fold, the ends of the cord being secured to the lining on the exterior thereof at the ends of the fold, whereby the fold is gathered in the direction of its length and a short elastic rib is formed on the wall of the lining at the rear of the hat which fits around the rear of the head, the lining at the front and sides of the hat being full and non-elastic, whereby when the hat is worn the engagement of the elastic rib with the back of the head will cause the front and sides of the hat to fit against the head of the wearer.

1,561,173. METHOD AND DEVICE FOR EXAMINING END GAUGES. WILHELM KÖSTERS, Berlin, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 29, 1921. Serial No. 496,703. 3 Claims. (Cl. 88—14.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



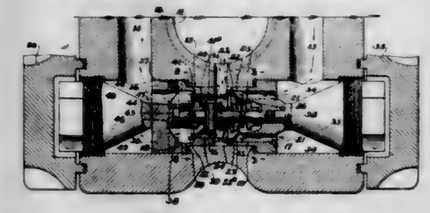
1. In a device for examining end-gauges a support, adapted to receive the end-gauges to be examined, a prism system containing a reflecting surface pervious to light and substantially parallel to an end-surface of the end-gauge to be examined, a second reflecting surface pervious to light and inclined to the first-named reflecting surface, a source of light, a collective lens system disposed between the said prism system and the said source of light at a distance from the latter substantially equal to the focal length of the lens system, the rays, emanating from the source of light, thus being transmitted to the first-named reflecting surface under conditions suitable to cause the rays to interfere with each other after having been reflected at this said end-surface on the one hand and the reflecting surface on the other hand, and a second collective lens system adapted to receive the rays leaving the prism system.

1,561,174. PRINTER'S BEARER STRIP. JOHN KYLE, Philadelphia, Pa. Filed July 16, 1925. Serial No. 43,961. 4 Claims. (Cl. 101—348.)



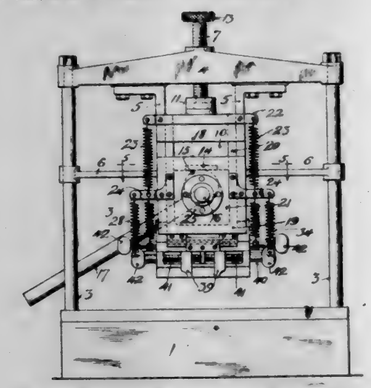
1. A printer's bearer strip of the character stated, comprising an elongated body portion having substantially parallel longitudinal sides and an upper surface of a lesser height than the height of the printing surface, and an elongated bearer strip on said upper surface, disposed at an angle to said parallel sides.

1,561,175. COMPRESSOR-VALVE ASSEMBLY. OTTO A. LABUS, Wisconsin Rapids, Wis. Filed July 3, 1924. Serial No. 724,070. 11 Claims. (Cl. 230—34.)



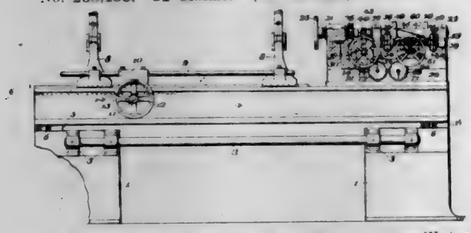
1. In a device of the character described, the combination of a block having a bore with an inlet port at one end and a discharge port at the other end, a cylinder in constant communication with the central part of the bore, an inlet valve cage and an outlet valve cage in opposite ends of said bore, each having an annular series of ports terminating at their discharge ends in a common annular chamber, with the adjacent end of the cage inside and outside of the chamber forming a conical valve seat, a correspondingly shaped valve coacting with said seat, and means normally holding each valve in engagement with its seat and covering the annular chamber, the means holding the inlet valve being responsive to suction in the cylinder to permit said valve to open, and the means holding the outlet valve being similarly responsive to pressure in the cylinder.

1,561,176. EMBOSSING MACHINE. HENRY E. LICHTENSTEIN, Hempstead, N. Y. Filed Aug. 30, 1924. Serial No. 735,188. 9 Claims. (Cl. 101—27.)



1. An embossing press comprising a base, a frame for supporting an impression head over said base, an impression head comprising an upper member and a screw for adjustably supporting said upper member different distances from the base, a lower head member adapted to carry the embossing type, springs tending to move said head members toward each other, and a cam for forcing the head members apart.

1,561,177. BALANCING MACHINE. JACOB LUNDGREN, Philadelphia, Pa., assignor to Carlson-Wenstrom Co., a Corporation of Delaware. Filed June 4, 1918. Serial No. 238,138. 11 Claims. (Cl. 73—51.)

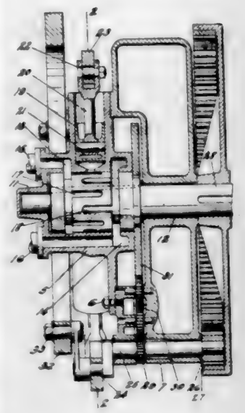


1. A balancing machine, comprising an oscillatory member, a support or attachment for a body to be tested carried by said member, balancing weights also carried by said member, and means to revolve a body upon said support and said weights in synchronism, said weights being simultaneously adjustable in opposite directions circumferentially of their axis of rotation.

1,561,178. GOLF GAME. EDWARD ROY MCGRANN, McKeesport, Pa., assignor of one-fourth to Harry C. Herpel, McKeesport, Pa., and one-fourth to Curt B. Mueller, West Park, Ohio. Filed Oct. 15, 1921. Serial No. 507,916. 16 Claims. (Cl. 273—87.)

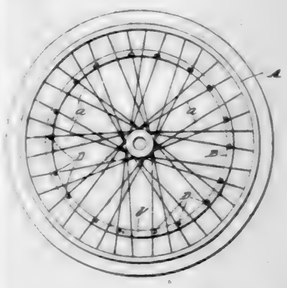
1. A golf game stancer comprising a support fashioned with a spherically surfaced base and a handle at its top, in combination with a golf club carrier turnably and slidably, mounted upon said support whereby adjustment may be selectively effected to suit the preferred tilt of said support upon its base.

1,561,179. PARALLEL-CRANK PUMP OR MOTOR. WALDEMAR F. MAYER, Philadelphia, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Nov. 12, 1919. Serial No. 337,423. 1 Claim. (Cl. 121—117.)



A multiple cylinder motor having a plurality of radially arranged cylinders, a ring about all of said cylinders and having direct and equidistant connection with the pistons of the respective cylinders, a plurality of equally spaced cranks operated by said ring, a power gear, and equally spaced driving pinions operated by said cranks and engaging said power gear and a balance ring carried by the first mentioned ring and movable in opposition thereto.

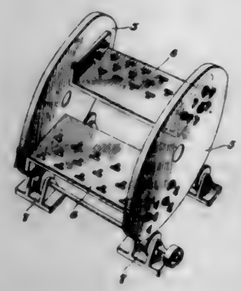
1,561,180. ATTACHING MEANS FOR USE ON WIRE-SPOKE WHEELS. JOSEPH F. MERKEL, Rochester, N. Y., assignor, by mesne assignments, to The G. R. S. Products, Inc., Colonie, N. Y., a Corporation of New York. Filed Jan. 19, 1922. Serial No. 530,323. 4 Claims. (Cl. 74—28.)



1. In a motorcycle, the combination of a driving wheel having spokes, a driven member, and means for securing said driven member to said spokes, including sheet metal strips bent around and clamped to said spokes, and means connecting the ends of said strips and securing said ends to said driven member.



1,561,181. MEANS FOR GRINDING DREDGE BUCKETS AND THE LIKE. WALTER S. MORGAN, High Bridge, N. J., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Aug. 3, 1922. Serial No. 579,404. 2 Claims. (Cl. 51—236.)



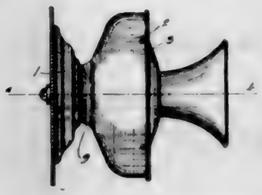
1. In a means for grinding dredge buckets and the like, a rotatable work holder, means for supporting a plurality of dredge buckets therein with the eyes of one alined with the eyes of the others and concentric with the axis of the holder, said holder being formed for the passage of lapping tools through such alined eyes.

1,561,182. DISPENSING PUMP. WILLIAM MORLOK, Philadelphia, Pa., assignor to L. A. Prouty Company, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 26, 1924. Serial No. 688,674. 13 Claims. (Cl. 221—80.)

1. In a device of the character stated, a pump superstructure, a cup, a spout slidably mounted in the superstructure with an end projecting into the cup and capable of being withdrawn therefrom, and means working in the cup to force the contents through the spout or out of the cup when said spout is withdrawn.



1,561,183. TRANSMITTER SUPPORT FOR TELEPHONE TRANSMITTERS. HERBERT F. OBERGFELL, River Forest, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 19, 1921. Serial No. 523,491. 14 Claims. (Cl. 179—147.)

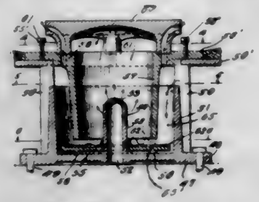


1. A transmitter support comprising a bracket and a microphone shell, and a hinged joint connecting the two including a pin acting as a bearing therefor which pin is located wholly within the said shell.

1,561,184. AUTOMOBILE BUMPER. CHRISTOPHER OFFENHAUSER, Philadelphia, Pa. Filed Feb. 7, 1925. Serial No. 7,716. 9 Claims. (Cl. 293—55.)

1. An automobile bumper having its contact portion consisting of a plurality of inflated tubes, holders for said tubes, and a spring bar connected with said holders.

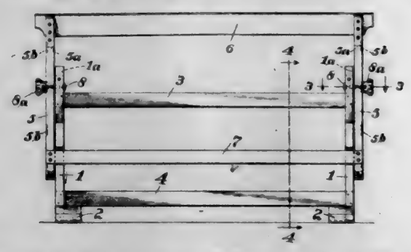
1,561,185. OIL BURNER. JOHN C. QUINN, Staten Island, N. Y., assignor to Quinn Oil Burner Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 7, 1922. Serial No. 599,534. 12 Claims. (Cl. 158—80.)



1. In a device of the character described, the combination with a base plate, an upstanding cylindrical wall upon its upper surface cast integrally therewith, supporting standards rising above the cylindrical wall, and a vaporizing plate adapted to rest upon the base plate, of a cone adapted to rest upon the supporting standards and to depend therefrom, a flanged rim on the cone having air openings therein a baffle plate adapted to rest upon the cone and to spread the flame outwardly, and legs on said baffle plate adapted to fit over said openings having passages therethrough to correspond with the openings in the flanged rim whereby a portion of the air may be diverted to the periphery of the baffle plate.

1,561,186. HURDLE. WILLIAM F. REACH, Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed July 8, 1925. Serial No. 42,258. 4 Claims. (Cl. 272—59.)

1. A hurdle comprising a pair of supporting standards and a frame comprising uprights and connecting top and bottom cross bars, said uprights being juxtaposed to the outer faces of the standards and having vertical slots,

pivot pins carried by the standards near their upper ends and engaging the slots, means for holding the uprights at any one of a plurality of predetermined elevations

relative to said pivots, the bottom cross bar being connected to the edges of the uprights on one side thereof, and overlapping the corresponding edges of the standards.

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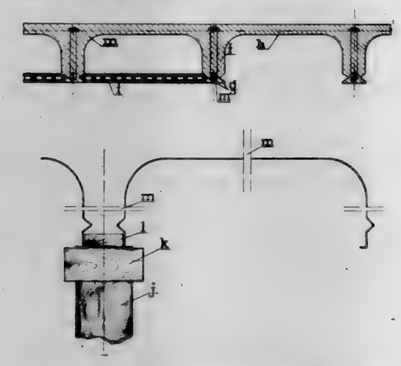
1,561,187. MEANS FOR THE CONSTRUCTION OF REENFORCED-CEMENT FLOORS. RAMÓN RIOS, Madrid, Spain. Filed Nov. 22, 1922. Serial No. 602,558. 2 Claims. (Cl. 25—131.5.)



1. A mould formed of flexible material for reenforced concrete floor construction, means formed thereon for providing a recess or locking groove for supporting ceiling members in the said floor construction.

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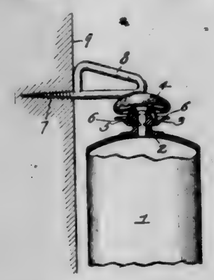
1,561,188. COLLAPSIBLE TUBE. JOHN SAXE, Cartago, Costa Rica, Central America, assignor of one-half to Henry Gerry Purdy, San Jose, Costa Rica, Central America. Filed July 2, 1925. Serial No. 41,024. 1 Claim. (Cl. 221—60.)



As a new article of manufacture, a closure cap having snap fastener engagement with the nozzle of a collapsible tube, a holder integral with and extending substantially right angularly from the axis of said cap, said holder being provided with means for securing it to a fixed support, and bracing means integral with and extending laterally from said holder, said bracing means being centrally arranged relatively to the cap and adapted to coact with the fixed support to resist the pressure applied in forcing the tube nozzle into said cap.

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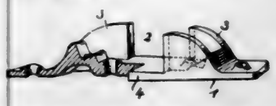
1,561,189. DEVICE FOR FASTENING AND LEVELING RAILWAY RAILS. EUGÈNE SAUTREAU, Nancy, France. Filed Aug. 23, 1924. Serial No. 733,821. 3 Claims. (Cl. 238—266.)



1. A device for fastening and leveling railway rails of the Vignoles type, comprising a chair having jaws between which the rail is supported in an elevated position, wedges of hard-wood arranged at opposite sides of the chair as supports for the rail, and means for clamping the rail to the wedges.

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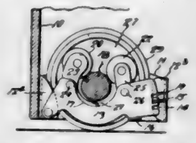
1,561,190. SHAFT-DRIVING MECHANISM. MARTIN E. SEELY, Cleveland, Ohio. Filed Dec. 6, 1922. Serial No. 605,208. 7 Claims. (Cl. 74—26.)



1. In a device of the kind described the combination with a frame, of a flanged driving roller arranged therein, a driven shaft adapted to have an end arranged within the flanged roller, a member connected to the frame and plates connected to said member and carrying friction rollers contacting with the flanged roller and with the driven shaft.

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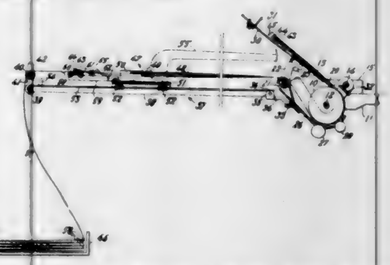
1,561,191. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 14, 1923. Serial No. 662,640. 18 Claims. (Cl. 197—126.)



1. In a typewriting machine, a platen, means for feeding a work-web to and around the platen, and means for bending the web alternately to one side and then to the other side of its normal plane of travel to the platen whereby to eliminate cross-folds in the web.

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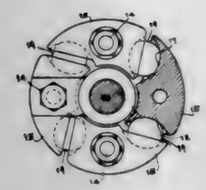
1,561,192. FLEXIBLE COUPLING. CLARENCE WINFRED SPICER and GURDON LUCIUS TARBOX, Plainfield, N. J., assignors to Spicer Manufacturing Corporation, a Corporation of Virginia. Filed July 16, 1924. Serial No. 726,359. 5 Claims. (Cl. 64—96.)

1. A flexible shaft coupling comprising two hub members carrying a plurality of radial projections with



polygonal faces carrying studs or bolts at right angles thereto, members having recesses adapted to fit the polygonal faces of the projections adapted to be carried



by the studs, said members also provided with bowl shaped cavities, balls of rubber or similar material disposed in said cavities and operating to flexibly connect the two parts of the coupling.

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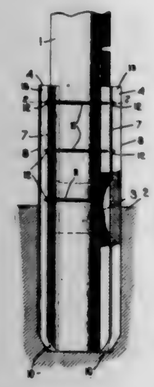
1,561,193. REENFORCEMENT FOR POLES. GEORGE B. SPRING, Newton Highlands, Mass. Filed June 5, 1925. Serial No. 35,054. 1 Claim. (Cl. 20—100.)



A reenforcement for wooden poles comprising two reenforcing members adapted to be set into the earth at opposite sides of a pole, each member having a concave face to fit the pole and ribs extending longitudinally of said face, said ribs becoming embedded into the pole and affording an interlocking connection between the pole and the members, each member having at each edge a longitudinally-extending wing provided with apertures and also having on its exterior face a longitudinally-extending anchoring rib, the portion of the exterior face between each wing and the rib being convexly curved in a transverse direction and tie rods extending through the apertures of the wing and by which the members are clamped to the pole.

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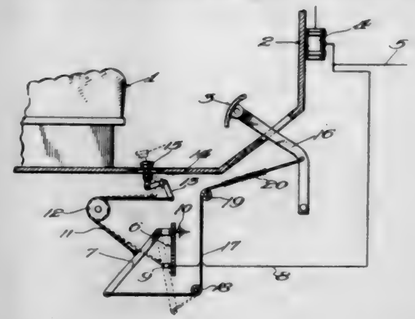
1,561,194. ANTITHEFT DEVICE FOR AUTOMOBILES. ARTHUR STIMSON, Chicago, Ill., assignor of one-half to J. A. Risher, Chicago, Ill. Filed Apr. 2, 1925. Serial No. 20,283. 3 Claims. (Cl. 123—146.5.)

1. The combination with the high tension side of an automobile ignition circuit and the brake lever thereof, of a grounding switch, means normally holding the same in open circuit position but releasable at the will of the driver, and a connection from the high tension side of the ignition circuit to the grounding switch, an operative connection from the grounding switch to the brake lever



tending to close said switch when the lever is operated to set the brake, and a yieldable element in said connection, substantially as described.

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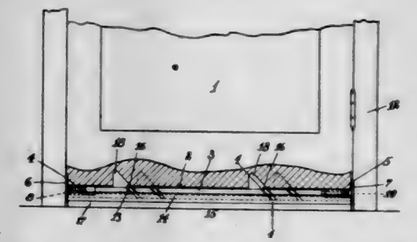
1,561,195. WEATHER STOP. ANTON SZYMKOWIAK, San Francisco, Calif. Filed Dec. 7, 1922. Serial No. 605,467. 2 Claims. (Cl. 20—68.)



1. In combination with a door and a door frame, tubes mounted on said door, a bar mounted in said tubes, a spring positioned against one end of said bar, a bolt projecting from one end of said bar and adapted to engage said frame whereby said bar is reciprocated, a weather stop mounted below said bar, a plurality of inclined cam arms formed on said stop, said bar having a plurality of inclined slots therein for the reception of said cam arms whereby said weather stop is raised and lowered.

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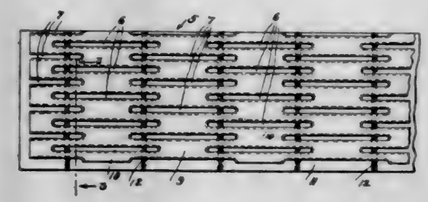
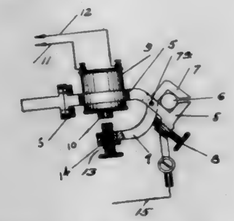
1,561,196. BUILDING LATH. JOHN A. WALLER, Los Angeles, Calif., assignor to Walter J. Lumbleau, Los Angeles, Calif. Filed Sept. 13, 1921. Serial No. 500,440. 3 Claims. (Cl. 72—116.)



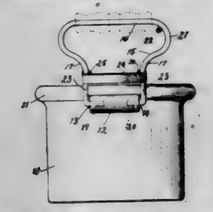
1. A plaster wall board comprising a thin flexible slab of wood, said board provided with a plurality of slots running with the grain, and said slots arranged in staggered and overlapping relation, whereby the board is readily capable of expansion and contraction.

1,561,197. MAGNETIC CARBON HOLDER. WILLIAM WENDERHOLD, New York, N. Y., assignor, by mesne assignments, to Edwin J. Banzhaf, New York, N. Y. Filed Oct. 29, 1917. Serial No. 199,167. 1 Claim (Cl. 176—119.)



The combination of arms pivoted relatively to each other at a point intermediate their ends, jaws on one end of said arms adapted to clamp and hold an electrode therebetween, an adjustable member carried by one of said jaws for bearing against the free arm of the other of said jaw members, and a magnet positioned to further close and clamp the jaw members when energized, by acting on the end of the free arm to thereby retain a constant pressure on the electrode member clamped between said jaws.

1,561,198. JAR AND BAIL THEREFOR. RICHARD P. WHITE, Chicago, Ill. Filed Aug. 23, 1923. Serial No. 658,937. 1 Claim. (Cl. 215—100.)

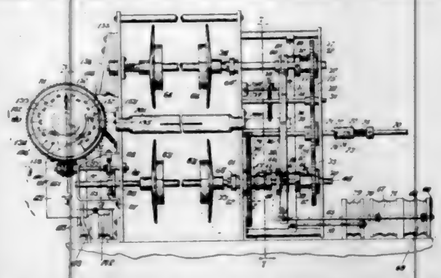


In combination, a jar of frangible material, a plurality of lugs on said jar, each lug being provided with a recess at each end thereof, a carrying bail for each lug, each of said bails comprising a handle, and side portions of relatively light wire having inturned bent ends for engaging in said recesses, and a tie member for engaging said side portions for holding said ends in said recesses, said handle adapted to extend upwardly in substantially a vertical plane with the adjacent parts of said side portions, whereby when said jar is lifted by said bails the weight of the same will be supported by the tensile strength of said side portions without tending to produce a bending action therein above the tie members, thus permitting the use of relatively light wire in the formation of said bail without impairing its normal supporting function.

1,561,199. AUTOMATIC PLAYER PIANO. RUSSELL I. WILCOX, Chicago, Ill., assignor, by mesne assignments, to Western Electric Piano Company, Chicago, Ill., a Corporation of Illinois. Filed July 5, 1923. Serial No. 649,395. 26 Claims. (Cl. 84—132.)

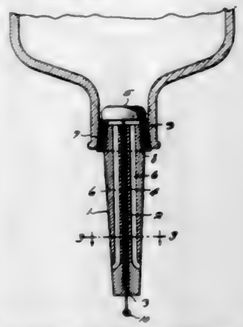
1. In an automatic player piano, a pair of drums, means for rotating said drums in opposite directions to wind the music strip in one direction or the other, and a selecting device for controlling the operation of said drums, said selecting device consisting of a movable element operatively associated with one of said drums, a valve movably supported on said movable element and a co-operating movable element adapted to be manually set.

25. In an automatic player piano, a pair of drums, driving means, means for joining said driving means to said drums for rotating them in opposite directions to wind the music strip in one direction or the other, selector mechanism comprising a rotating element operatively associated with one of said drums, a manually



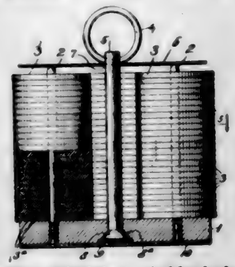
set element adapted to cooperate therewith, means for clutching said manually set element to said rotatable element, and pneumatic means governed by the operation of the piano for controlling said clutching means.

1,561,200. FILLING DEVICE. EARL H. WISEMAN, Cleveland, Ohio, assignor to Raleigh E. Tresise, Cleveland, Ohio. Filed June 11, 1921. Serial No. 476,898. 3 Claims. (Cl. 226—39.)



2. A battery filling device comprising a body portion having a liquid conducting bore and a vent bore extending longitudinally therethrough, said liquid conducting bore being located adjacent to but projecting beyond said vent bore at one end of said body portion, and a valve adapted to close said bores and having a valve stem projecting through said liquid conducting bore and extending beyond the end of said bore opposite said valve.

1,561,201. CHIP AND CHIP HOLDER. FRANK E. WOCHL, Whitestone, and EDWARD A. JOHNSON, Brooklyn, N. Y., assignors to Apex Specialties Corporation, a Corporation of New York. Filed Sept. 8, 1923. Serial No. 661,565. 8 Claims. (Cl. 273—148.)

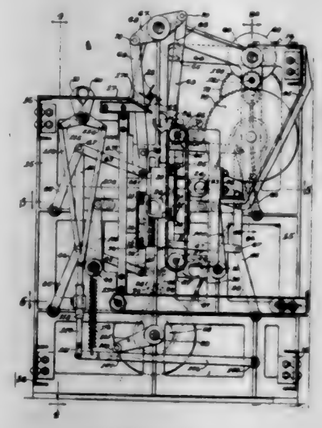


2. A chip-holder embodying a holder-body comprising a base member and a plurality of stacking-posts of similar



length; a carrying handle connected to said holder-body; a cover plate adapted to seat on the top of said posts; and means connected with the handle for locking said plate on its said seat.

1,561,202. MACHINE FOR FORMING CANDY. FRED E. ZAISS, Beverly Hills, Calif. Filed Sept. 28, 1923. Serial No. 665,255. 31 Claims. (Cl. 107—4.)



2. In a machine of the character described, the combination of a gang of devices for cutting a length of candy into pieces, each device comprising a pair of oppositely reciprocable cutters having edges extending longitudinally of the path of reciprocation of the cutters and adapted to roll the candy between them, and mechanism for operating the cutters in a path longitudinally of said edges.

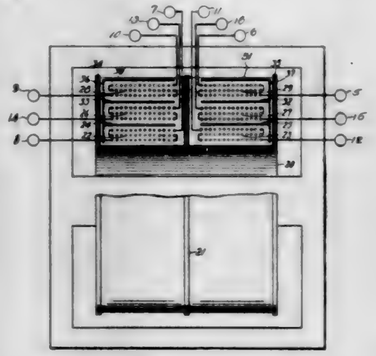
5. In a machine of the character described, the combination of a gang of devices for cutting a length of candy into pieces, each device comprising a pair of relatively reciprocable cutters movable to and from one another to gradually constrict the candy, mechanism for reciprocating the cutters, and mechanism for shifting the cutters together during the operation of the cutters.

30. In a machine of the character described, the combination of a gang of devices for cutting a length into pieces, each device comprising a pair of coacting cutters, cutter heads in which the sets of cutters are mounted, both of said heads being vertically and transversely reciprocable, mechanism for vertically reciprocating the heads in opposite directions, mechanism for shifting the heads transversely to and from one another while being vertically reciprocated, and intermittently operated carrier mechanism for holding lengths in position to be acted upon by the cutters.

1,561,203. ROLLING PIN. CLARA ANDERSON, Hayward, Calif. Filed Nov. 28, 1924. Serial No. 752,589. 2 Claims. (Cl. 107—50.)

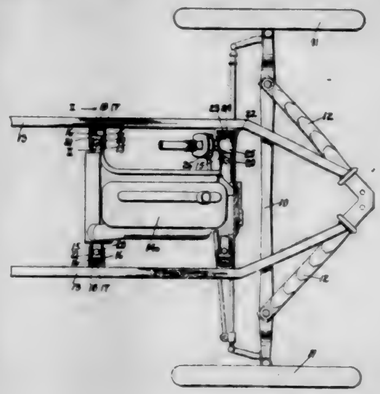
1. A hollow rolling pin comprising two sections of which the outer section is hollow and has a tapered outer surface and the inner section has a cylindrical outer surface to slide in the cylindrical inner surface of the outer section.

1,561,204. TRANSFORMER. ROLAND F. BEERS, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 26, 1923. Serial No. 653,870. 4 Claims. (Cl. 175—356.)



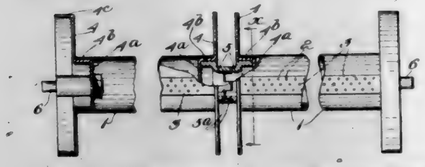
1. A transformer comprising a winding of a plurality of layers, a second winding interposed between the layers of said first winding, said first winding being wound in a plurality of sections located on different parts of the transformer core, the portions of said first winding in the plurality of sections exterior to the second winding being alternately connected with the portions of the first winding on the interior of the second winding to form the said first winding.

1,561,205. ENGINE SUPPORT. EDWARD H. BELDEN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 7, 1920. Serial No. 371,812. 2 Claims. (Cl. 180—64.)



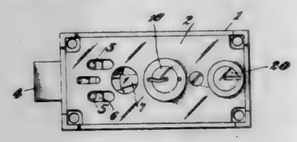
1. In combination, a frame having channel shaped side members the flanges of which project outwardly, an engine base provided with ears, and a plurality of sheet metal box-like brackets having side, base, and end portions, the end portions being at substantially right angles with respect to each other and inclined to the base portions, said brackets being adapted to be secured to the inner face of said side members and supporting said engine base in a plane below said frame.

1,561,206. YARN SPOOL. WALTER BIXBY, Boston, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 10, 1923. Serial No. 661,805. 4 Claims. (Cl. 242—123.)



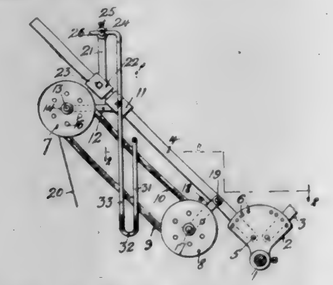
1. A yarn spool embracing a tubular barrel, opposite end heads comprising interiorly cupped disks, formed with annular shoulders adapted to fit inside the ends of the barrel and be secured thereto, the cupped interior portions of the disks being provided with axial projecting journals, one of which is provided with spaced teeth adapted to interlock with a similar journal in another spool substantially as described.

1,561,207. CHANGEABLE-COMBINATION KEY LOCK. EDGAR M. BENHAM, Norwood, Ohio, assignor to The Mosler Lock Company, Covington, Ky., a Corporation of Ohio. Filed Jan. 21, 1925. Serial No. 3,718. 9 Claims. (Cl. 70—72.)



1. In a lock of the character described, the combination with a first tumbler and a second tumbler adjacent thereto, of a bolt bar, and a plate carried on the bolt bar in alignment with the second tumbler and in overlapping relation with said first tumbler.

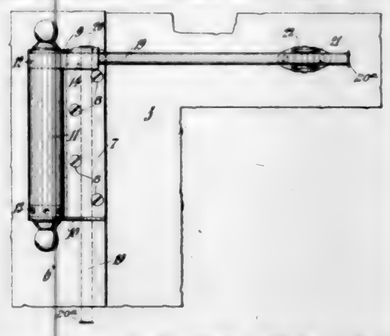
1,561,208. GUIDE FOR YARN. ISIDOR S. BLEENDES, Brooklyn, N. Y. Filed Mar. 5, 1925. Serial No. 13,301. 6 Claims. (Cl. 242—157.)



1. A guard for guiding a skein of yarn while being unwound on a pair of reels, comprising guiding members adapted to straddle the runs of the skein of yarn between the supporting reels, a cross member connecting said guiding members above the yarn, said guiding members being free or disconnected below the yarn, and means for supporting the guiding means.

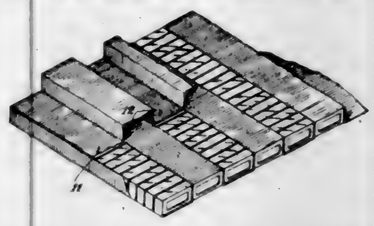
1,561,209. DOOR CLOSER. EMIL BOMMER, Brooklyn, N. Y. Filed July 1, 1924. Serial No. 723,598. 6 Claims. (Cl. 16—80.)

1. In combination, a spring held member mounted upon a door jamb for movement in a horizontal plane and having a laterally projecting arm formed with a longitudinal channel having a seat at the inner end thereof, a rod provided with an enlarged head on one end and adapted for engagement upon said seat when said rod is disposed in a horizontal position, a roller mounted on the door face with which said rod is engaged when in



horizontal position under tension whereby in the swinging movement of the door, said spring held member is rotated and resists said swinging movement of the door, said rod adapted to be moved from said horizontal position to a vertical position and the enlarged head on the end of the rod engaging the upper side of said channel arm to sustain the rod in such vertical position.

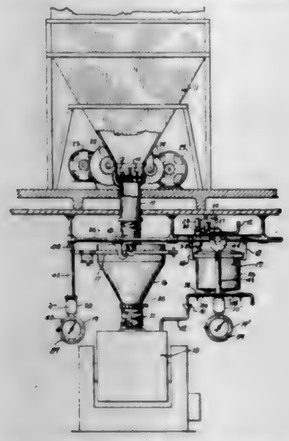
1,561,210. METHOD OF PACKING ENAMEL BRICK. JOHN FRANCIS BOOKAEM, Greenwich, Conn., assignor to American Enameled Brick & Tile Company, New York, N. Y., a Corporation of New York. Filed June 9, 1922. Serial No. 567,067. 1 Claim. (Cl. 206—46.)



The method of packing brick in cars for transport which consists in arranging the brick in superimposed horizontal courses within the car with a plurality of transverse rows of bricks in each course, and interposing between said transverse rows of bricks as the courses are successively arranged in position, a continuous sheet of cushioning material approximately of the same length and width as the interior of the car and having portions extending alternately above and beneath the transverse rows of bricks and between the opposed ends of the bricks in adjacent rows to bond said transverse rows of bricks together and prevent relative shifting movement of the individual brick or contact of the horizontally or vertically adjacent brick with each other.

1,561,211. ELECTRICALLY-OPERATED AUTOMATIC WEIGHING MACHINE. EDWARD CHARLES BREMER and WALTER JOHN SCHAEFER, Saginaw, Mich., assignors to Baker-Perkins Company, Inc., White Plains, N. Y. Filed July 8, 1924. Serial No. 724,885. 11 Claims. (Cl. 249—61.)

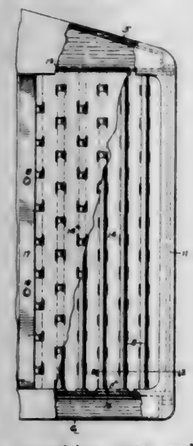
1. In a weighing machine, a balance arm, a container for the material to be weighed attached to one end of said arm, a rod attached to the other end of said arm, a fixed spring member attached to the free end of the rod, electrically operated means for controlling the supply of material to said container, an electrical circuit, connections to said electrical circuit for said electrically operated means, a mercury cut-out comprising a pair of tubes each containing a column of mercury and a pair of electrically connected pins insulatedly mounted



on said rod, means including said mercury cut-out for breaking said connections, a base of insulating material for said tubes, and means for adjusting the position of said base and said tubes so that the pins break contact with the mercury contained in said tubes when the balance arm is in any desired position.

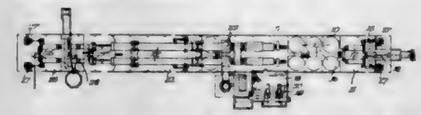


1,561,212. RADIATOR. DEMPSEY C. BRITTON, Connersville, Ind. Filed July 16, 1924. Serial No. 726,284. 3 Claims. (Cl. 257—129.)



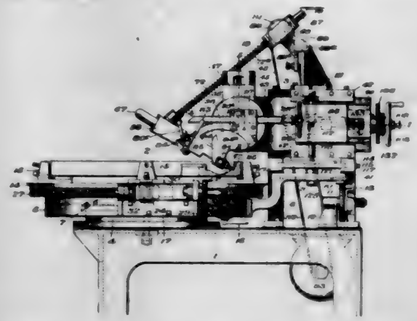
1. A radiator comprising upper and lower headers, means for drawing said headers forcibly toward each other, a plurality of rows of tubes extending across said headers from side to side of the radiator, means for establishing fluid tight joints between said tubes and said headers under the action of said drawing means, plates extending across the radiator from side to side, means carried by the confronting faces of said headers for engaging the upper and lower edges of said plates respectively and cut out elements carried by said plates having semicircular recesses in their ends, said recessed ends bearing against and engaging said tubes, as and for the purposes set forth.

1,561,213. STRAIGHT-LINE CEMENT PLANT. JOHN C. BUCKBEE, Chicago, Ill. Filed Mar. 23, 1923. Serial No. 627,050. 1 Claim. (Cl. 222—3.)



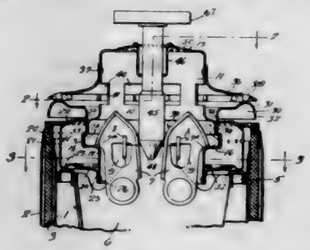
A straight-line cement plant of the class described, comprising a raw mill department, a power station, a kiln department, and a finishing department sequentially arranged and in a direct line with each other, whereby the material introduced in its raw state passes from the raw mill to the finishing department in a direct line.

1,561,214. ENGRAVING MACHINE. ALBERT A. BUSH, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 19, 1922. Serial No. 582,990. 25 Claims. (Cl. 90—13.)



1. A machine for engraving annular objects comprising in combination, an oscillatable support for the object, a movable tool fulcrumed to cut transversely of the object, means operable to move the tool to cut in an arcuate path, means operable to move the fulcrum of the tool to vary the radius of the arc of the cut, means operable to move the tool to cut in a straight path, and means common to each of said other means operable to actuate selectively either of said other means.

1,561,215. AIR-CONTROLLING MEMBER FOR OIL BURNERS. LEE S. CHADWICK, Shaker Heights, Ohio, assignor to The Cleveland Metal Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 29, 1922. Serial No. 571,671. 6 Claims. (Cl. 158—94.)



1. In an air controlling member of the character set forth, the combination of a tubular central element having a circumferential enlargement spaced upwardly a suitable distance from its lower end, a flange surrounding said element above said enlargement, the flange having an annular horizontal portion which joins at its

inner edge a sleeve that fits about and is secured to said enlargement and which joins at its outer edge an upwardly bulged portion that terminates at its outer edge in a substantially vertical depending lip, a top surrounding and secured to the central element above and in properly spaced relation to the flange, and a body surrounding the lower portion of said element and comprising a cylindrical wall spaced outwardly from the aforesaid enlargement and joining at its lower edge a bottom wall that is secured to the lower end of the central element, said bottom wall being provided with air openings.

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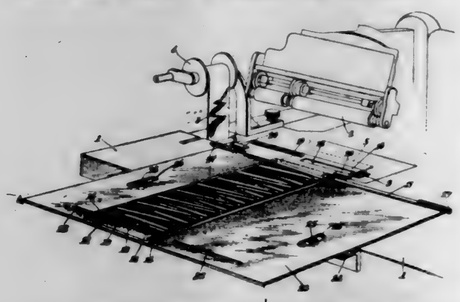
1,561,216. ADDRESSOGRAPH ATTACHMENT. EDWARD COLEMAN, Tenafly, N. J. Filed Sept. 12, 1924. Serial No. 737,264. 12 Claims. (Cl. 101—47.)



1. An addressograph attachment comprising a holder for the sheet to be printed, and means adapted to control the motion of said holder to move the same in step by step fashion past the printing mechanism of an addressograph while moving said holder laterally of the printing mechanism between successive stations in its forward travel past the printing mechanism.

5. An addressograph attachment comprising a guard member adapted to overlie the printing plate of an addressograph and being laterally shiftable with regard thereto, said guard member being shaped to expose different parts of the printing plate to the sheet to be printed in different lateral positions thereof, together with means for feeding a sheet to be printed forwardly in step by step fashion past said printing plate.

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1,561,217. APPARATUS FOR CONSTRUCTING WALLS OF CONCRETE. JAMES R. COMPTON, Kewanna, Ind. Filed Mar. 24, 1925. Serial No. 17,996. 6 Claims. (Cl. 25—131.)

1. An apparatus of the kind described, comprising mold plates spaced apart, tie bolts to retain said plates at position and which said tie bolts are capable of being removed from the concrete material deposited between said plates, cross pins adapted to be disposed in the holes formed by the said tie bolts, longitudinal track bars to rest on the projecting portions of the cross pins and to support a mold plate at each side of the concrete structure, latches to secure the said track bars, and clamping means to hold the mold plates against the wall structure.

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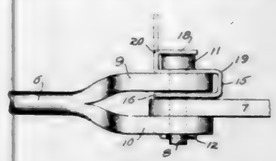
1,561,218. SAFETY LOCK. GEORGE T. COOKE, New York, N. Y. Filed Mar. 24, 1925. Serial No. 17,889. 1 Claim. (Cl. 85—5.)

In a device of the character described, a member forked at one end, another member extending intermediate the forked ends of the first-mentioned member, said members having registering apertures, a headed pin extending through said apertures for holding said members together, and a sheet metal safety locking device bent to embrace one forked end and extending between the



forked end and the intermediate member and also extending under the head portion of said pin, a portion of said sheet metal device being bent over the outside of said head to hold the same in place.

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1,561,219. COATING FOR NITROCELLULOSE POWDER GRAINS. TENNEY L. DAVIS, Somerville, Mass. Filed Apr. 28, 1922. Serial No. 557,172. 4 Claims. (Cl. 52—5.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. A nitrocellulose powder grain, and a coating on said powder grain containing, as one of its elements, urea containing only two alkyl groups symmetrically substituted in the molecule.

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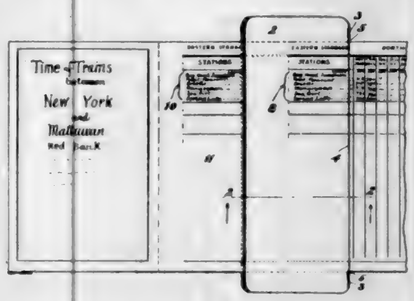
1,561,220. STATION FINDER FOR TIME TABLES. LEO ENGEL, Asbury Park, N. J. Filed Mar. 14, 1925. Serial No. 15,481. 6 Claims. (Cl. 40—65.)




1. An article of the class described comprising a sheet having a pair of reversible flaps separated by a single fold line, a slit on said fold line through which a time table is adapted to be inserted, a list of stations on one of said flaps corresponding to a list of stations appearing on one face of the time table, and a list of stations on the other flap corresponding to a list of stations appearing on the other face of the time table.

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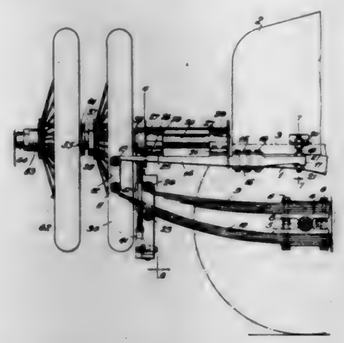
1,561,221. VEHICLE CONSTRUCTION. THOMAS J. FAY, Brooklyn, N. Y. Filed Sept. 15, 1923. Serial No. 662,857. 15 Claims. (Cl. 267—9.)

1. In a construction for vehicles having a body part and a running gear part which are adapted to approach and separate relatively to one another as the vehicle travels over a roadway, a stabilizer comprising a pair of inertia elements mounted upon one of said parts for movement relative thereto and to one another and a connection between one of the elements and the other of the parts for effecting a movement of the connected element upon a relative movement between the said parts, said elements having between them a yieldable connec-





tion for causing a yielding dragging action of the element that is unconnected to said parts upon the other element.

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1,561,222. COMPOSITE GEAR. LOUIS T. FREDERICK, Valparaiso, Ind., assignor to Fibroc Insulation Company, Valparaiso, Ind., a Corporation of Indiana. Filed June 18, 1924. Serial No. 720,776. 7 Claims. (Cl. 74—28.)

5. The method of producing gear blanks consisting in building up a rim section of layers of woven fabric impregnated with a condensation product binder, the layers being parallel to the plane of the gear and occupying the entire rim, assembling with the rim portion entirely inside the inner diameter thereof a web portion composed of small pieces of the fabric impregnated with such binder, and subjecting all of the aforesaid constituents simultaneously to the action of heat and pressure to harden and consolidate the constituents and produce a structure in which the rim and the web are united into a single unitary structure.

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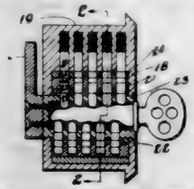
1,561,223. MASTER-KEYED LOCK. JULES A. FREMON, Leeper, Mo. Filed Nov. 10, 1921. Serial No. 514,245. 20 Claims. (Cl. 70—93.)

1. In a pin tumbler lock, a plug, a plurality of annular members surrounding said plug, a pinway through said members, pin tumblers in said pinway, and tumbler section reservoirs in different ones of said members.

20. In a master keyed pin tumbler lock, a plug a member in which said plug is rotatable, and pin tumblers in



said plug and member, only some of which pins are operable by a master key and all of which pins are operable by a service key.

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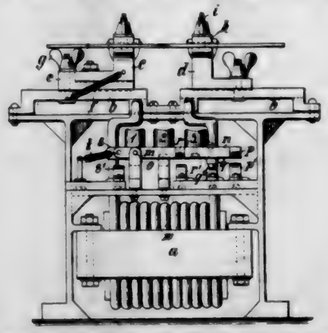
1,561,224. ELECTRICAL SOLDERING DEVICE. RICHARD FRITSCHE, Lippstadt, Germany. Filed Oct. 8, 1924. Serial No. 742,311. 3 Claims. (Cl. 219—13.)



3. An electric soldering device for wires, saw blades, steel bands and the like, comprising a transformer having a two part primary coil and a secondary coil, a centrally pivoted lever, contacts, and electrical connections, whereby when the said lever is moved in one direction it bears against predetermined contacts to close a circuit through the primary coil with the parts thereof in series, and when the said pivoted lever is moved in the opposite direction it bears against contacts to close a circuit through the primary coil with the parts thereof in parallel, and a second lever pivoted adjacent one end thereof and adapted to bear against contacts to close an electric circuit through one part only of the said primary coil.

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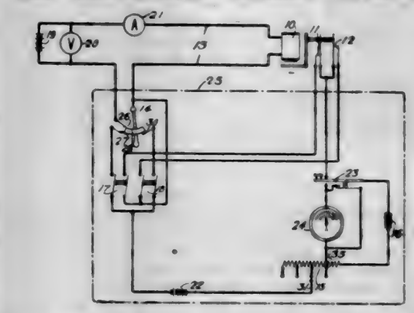
1,561,225. METHOD AND MEANS FOR MEASURING TIME. JACOB R. FRY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 11, 1924. Serial No. 698,472. 24 Claims. (Cl. 175—183.)



1. A method of measuring time intervals which consists in initiating the charging of a condenser at the

beginning of the energization of a relay and terminating the charging of the condenser at the operation of the relay, and measuring the charge accumulated by the condenser.

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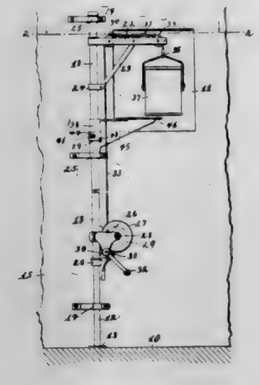
1,561,226. HOISTING APPARATUS. WALTER F. GEOGHEGAN, Great Neck, N. Y., assignor to Gillis & Geoghegan, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 19, 1924. Serial No. 687,168. 6 Claims. (Cl. 212—29.)



1. An ash-hoist comprising a vertically disposed member, a crane arm mounted thereon for swinging movement, a swinging platform supported from said member and movable independently of said crane arm, and resilient means cooperable with said platform whereby said platform and crane arm move in unison.

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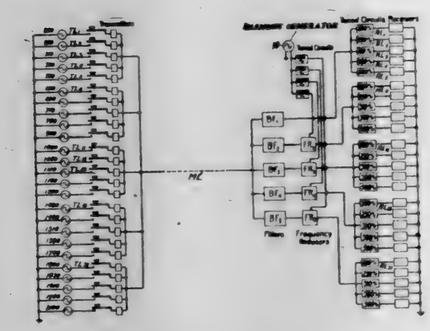
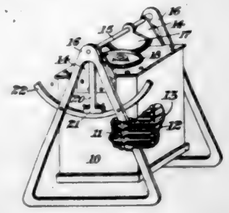
1,561,227. CARRIER-CURRENT SIGNALING SYSTEM. ELMER V. GRIGGS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. a Corporation of New York. Filed Mar. 31, 1923. Serial No. 628,987. 5 Claims. (Cl. 178—51.)



1. The method of receiving signals in a multiplex carrier signaling system, which comprises separating the incoming signal oscillations of different carrier frequencies into groups, separating the signal oscillations of one group and impressing them upon signal receivers, reducing the frequency of the signal oscillations of each of the other groups, and separating such signal oscillations of reduced frequency and impressing them upon signal receivers.

1,561,228. CAPACITY COMPENSATING DEVICE. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Feb. 16, 1921. Serial No. 445,498. 23 Claims. (Cl. 250—40.)



1. In a wireless apparatus, an antenna operatively mounted upon a movable body, a circuit including said antenna, and means for automatically compensating for variations in capacity of said antenna circuit due to movement of said body.

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1,561,229. PROCESS OF MAKING GIMP. HARRY J. HAON, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 1, 1921. Serial No. 457,716. 2 Claims. (Cl. 154—2.)

1. The process of making gimp which comprises, applying to substantially one entire side of a relatively wide web of material and adhesive capable of adhering to itself merely under pressure when dry, drying the adhesive, cutting the web longitudinally into a plurality of relatively narrow strips, longitudinally folding the adhesive-coated side of one said strip onto itself, and applying pressure to the fold to cause said adhesive to unite the fold and the body of the strip, to provide a strip of gimp from such strip of material, initially joining the end of a second said strip to the end of said one strip by said adhesive, and folding and pressing the second strip into gimp, substantially continuously with the first pressing and folding, and simultaneously pressing the joint of the strips.

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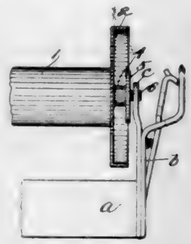
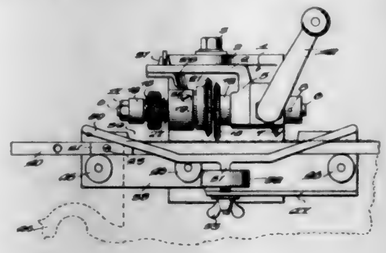
1,561,230. YARN SPOOL. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 5, 1923. Serial No. 666,837. 8 Claims. (Cl. 242—123.)



1. A yarn spool embracing in its construction, a yarn-receiving barrel, an end head secured thereto, an axially movable journal concentrically mounted in the spool and provided near its projecting end with a lateral projection arranged outside of the head to be accessible for retracting the journal from its external bearing, substantially as described.



1,561,231. SAW-SHARPENING MACHINE. ALBERT J. HATZ, Prescott, Ariz. Filed Mar. 6, 1925. Serial No. 13,477. 9 Claims. (Cl. 76—37.)



1. In a saw filing machine, means for holding a saw to be sharpened and fed longitudinally of itself, a rotatable shaft extending in the general longitudinal direction of the saw, a rotary cutter fixedly secured to said shaft, a rotary member adapted to be rotated by said shaft, and means to reciprocate said rotary member longitudinally of said shaft.

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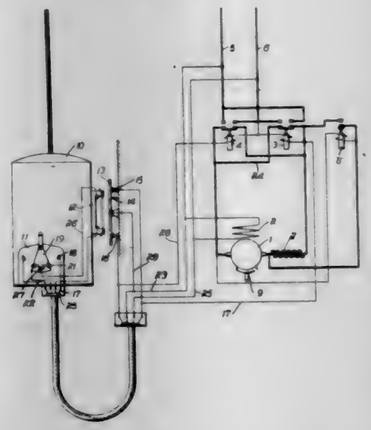
1,561,232. ELEVATOR-CONTROL SYSTEM. RAY P. HIGBEE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 11, 1922. Serial No. 551,483. 27 Claims. (Cl. 187—29.)



14. The combination with an elevator car and a hoisting motor therefor, of a car switch on the car, an electromagnet on said car energized when the car switch is in its "off" position and a reversing-switch in the hatchway, at each floor, controlled by said electromagnet for controlling the car to effect accurate landings whether the car overtravels or undertravels with respect to any landing.

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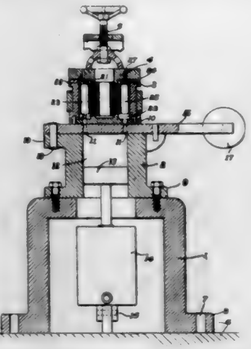
1,561,233. METHOD OF DIE CASTING. SAMUEL C. HOBY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 13, 1923. Serial No. 651,222. 4 Claims. (Cl. 22—216.)

1. The method of casting metal bodies which comprises placing a laminated structure in a mold, placing a metal insert in a recess of said structure and charging said mold with molten metal under pressure to envelop



said insert and to form a casting integral with said laminated structure.

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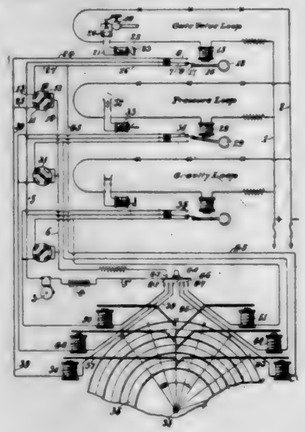
1,561,234. AUTOMATIC SUPERVISORY SIGNALING SYSTEM. RICHARD M. HOPKINS, Rutherford, N. J., assignor to American District Telegraph Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 17, 1918. Serial No. 254,415. 2 Claims. (Cl. 177—311.)



1. In a supervisory signaling system a normally closed supervisory circuit, an alarm circuit including an alarm, a recorder circuit including a recorder magnet and said alarm, means in said supervisory circuit responsive to a change in the condition of said circuit for closing said alarm circuit, and means common to both said recorder circuit and said alarm circuit for opening said alarm circuit and closing said recorder circuit.

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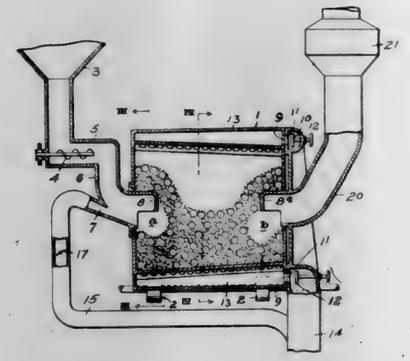
1,561,235. METHOD OF AND APPARATUS FOR PULVERIZING MATERIAL. JOHN M. HOPWOOD, Dormont, Pa., assignor, by mesne assignments, to The Bonnot Company, Canton, Ohio, a Corporation of Ohio. Filed Aug. 27, 1923. Serial No. 659,537. 9 Claims. (Cl. 83—9.)

1. A pulverizing mill of the drum and ball type having an axial opening in one head, a hood arranged above said

opening and projecting into the drum, means for delivering material to be reduced and air commingled into



the drum through such opening and below and into the hood, whereby the air may be utilized for moving material to be reduced into the drum.

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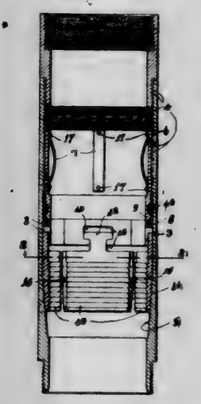
1,561,236. RELEASABLE COMBINATION SOCKET. ELIJAH H. HUNT, Montebello, Calif. Filed Dec. 2, 1922. Serial No. 604,571. 9 Claims. (Cl. 294—102.)



1. In a combination socket, a body member, a threaded sleeve turnably engaged with the body member, and jaw members having mens to engage with the threaded sleeve.

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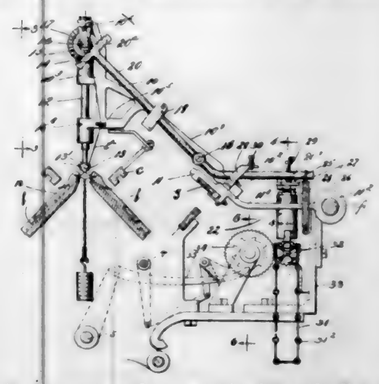
1,561,237. JACQUARD-CONTROLLED YARN CARRIER FOR KNITTING MACHINES. ADOLF HUNZIKER and SAM HIRSCH, Brooklyn, N. Y., assignors to Dubied Machinery Company, a Corporation of New York. Filed Jan. 16, 1925. Serial No. 2,826. 12 Claims. (Cl. 66—12.)

1. The combination with a knitting machine, of a yarn carrier having a plurality of yarn guide openings selectively movable to a leading position relative to a given feeding movement of said carrier and jacquard controlled means movable longitudinally of the machine and



capable of moving said yarn carrier into a leading position during said feeding movement of said carrier.

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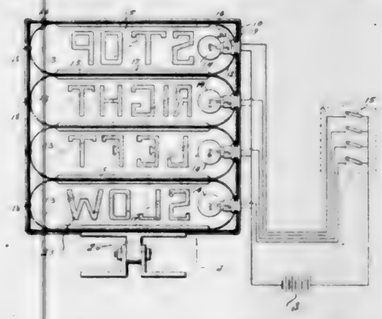
1,561,238. VEHICLE SIGNAL. FRANK M. IAMS, Wheeling, W. Va. Filed Mar. 14, 1923. Serial No. 625,107. 2 Claims. (Cl. 177—329.)




1. In a signal, a rectangular frame, a plurality of housings mounted in said frame having opposed parallel side walls and curved end walls, means engaging with one of said end walls and the adjacent wall of the frame for securing said end of the housing in position, an illuminated element support securing the opposite end of the housing in position upon the frame, and lens plates abutting the opposite ends of said housings.

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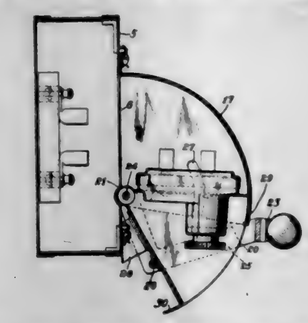
1,561,239. SWITCH. OLIVER S. JENNINGS, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 8, 1920. Serial No. 408,881. 1 Claim. (Cl. 200—114.)

A switch mechanism comprising a housing having an opening therein, a terminal contact member within the housing, a switch block pivotally attached to the housing and movable to open and to closed positions, a switch member carried by the block to engage the terminal contact member when the block is in closed position and to be disengaged when the block is in open position, a removable fuse carried by the block and connected to the switch member, a shield covering the said block and permitting movement of the block to open position and having an opening therein through which the fuse is accessible, a cover movable with the block to close the opening in the shield when the block is in closed position and to be moved to open position to expose the block



when the latter is moved to open position and an operating handle pivoted for rotation about the axis of rota-



tion of the switch block and straddling the exterior of the shield and attached to the said cover at a point remote from the said axis.

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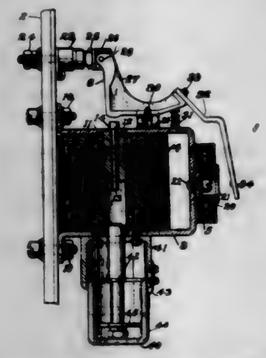
1,561,240. CONTROL APPARATUS. HOWARD H. JOHNSTON, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 7, 1920. Serial No. 394,488. 8 Claims. (Cl. 200—94.)



8. Control apparatus comprising, in combination, a movable contact member, resilient means disposed to bias the contact member to its closed position, a plurality of coils adapted to be energized, means disposed for operation by one of the coils to move the contact arm to its open position and means independent of said contact-member operating means cooperative with the other coil to retain the contact member in its open position.

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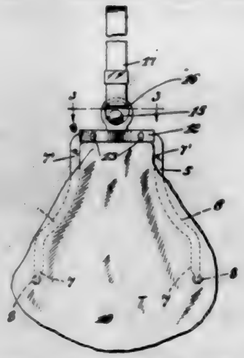
1,561,241. BAG OR RECEPTACLE. DAVID KARRON, Brooklyn, N. Y. Filed July 5, 1924. Serial No. 724,528. 1 Claim. (Cl. 150—29.)

A bag or receptacle of the class described, comprising two frame members each formed from a single channel sheet metal strip, said strip being bent to provide spaced legs and the corresponding legs of said frame members being pivotally connected to each other at their extremities, and each of said frame members having an intermediate portion angularly bent to extend laterally in a plane at right angles to the plane of said legs, a head plate for each of said frame members adapted to be engaged upon the edge of the angularly bent intermediate portion of said frame member and having flanges disposed against the outer sides of said angularly bent portion, fastening means extending through said flanges and the frame member, the opposed edges of said head plates also having angular flanges thereon for abutting contact



with each other when the bag is closed, and complementary clasp elements fixed to said head plates adjacent to the latter flanges thereof.

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1,561,242. WEARING-APPAREL CASE. JOSEPH M. KAYE, Chicago, Ill., assignor to Eiseman Kaye Company, Chicago, Ill., a Corporation of Illinois. Filed May 20, 1926. Serial No. 31,550. 3 Claims. (Cl. 150—53.)

1. An elongated member of flexible material adapted to be folded with its free ends overlapping in flatwise relation to form a flat case, or to be rolled upon itself to form a circular case, and withdrawable and transferable means carried by the case and adapted to cooperate with fixed means on the case to secure the same in flat or rolled condition.

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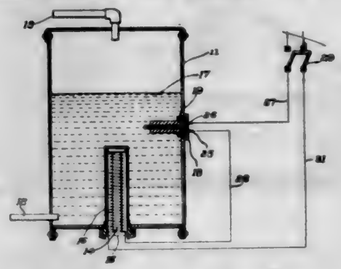
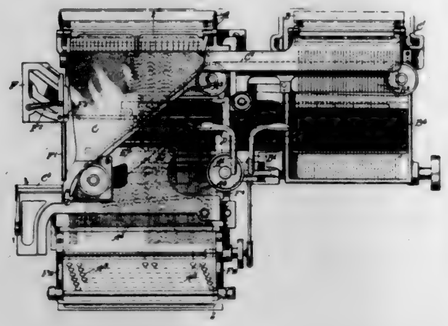
1,561,243. CONTROL FOR HEATING SYSTEMS. ALVIN D. KEENE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 5, 1924. Serial No. 684,528. 5 Claims. (Cl. 219—20.)



1. In an electric water heating system, the combination with a fluid container, and an electric heating element associated therewith, of a circuit-controlling means located in said container and comprising a pair of spaced terminals, and a porous member therebetween that is electrical-conducting when submerged in water.

1,561,244. TYPOGRAPHICAL MACHINE. DAVID S. KENNEDY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Aug. 16, 1923. Serial No. 657,656. 30 Claims. (Cl. 199—19.)



1. In a typographical machine, the combination of a main magazine provided with escapements, an auxiliary magazine arranged at the side thereof and also provided with escapements, a set of actuating reeds adjustable into and out of operative relation to the escapements of the main magazine, a second set of actuating devices arranged in constant operative relation to the escapements of the auxiliary magazine, and a series of transverse rocking bails for connecting the corresponding actuating reeds of the two sets, the said bails being constantly connected at one end to the actuating reeds of the auxiliary magazine, and arranged at the opposite end to be directly engaged with and disengaged from the actuating reeds of the main magazine as said reeds are adjusted out of and into operative relation to their corresponding escapements, respectively.

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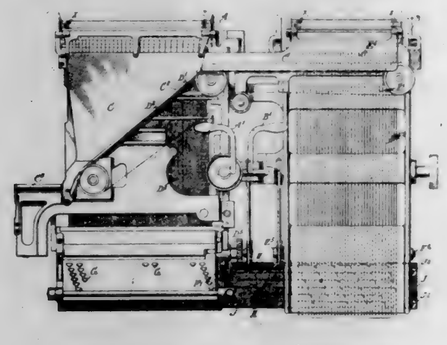
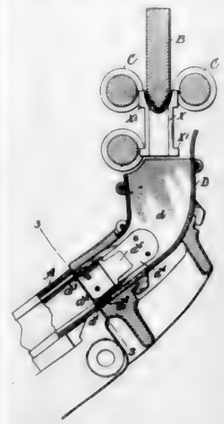
1,561,245. TYPOGRAPHICAL MACHINE. DAVID S. KENNEDY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Aug. 18, 1923. Serial No. 658,033. 17 Claims. (Cl. 199—19.)



1. In a typographical machine, the combination of two magazines arranged side by side, or in tandem, and each provided with escapements, two sets of escapement actuating devices, one for each magazine, two corresponding independent sets of power driven elements for operating said devices, a keyboard, and means for shifting the control of the appropriate finger keys of said keyboard to either set of power driven elements, as required.

1,561,246. TYPOGRAPHICAL DISTRIBUTING MACHINE. DAVID S. KENNEDY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Sept. 24, 1923. Serial No. 664,869. 8 Claims. (Cl. 199—33.)



1. In a typographical machine, the combination of a distributor, a magazine formed with a series of matrix channels, and intermediate magazine entrance for conducting matrices from the distributor to the magazine and provided with a series of partitions dividing it into matrix channels, and means whereby said partitions are anchored at their lower ends against lateral displacement.

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1,561,247. METALLIC COMPOSITION. EDWIN F. KINGSBURY, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 7, 1923. Serial No. 661,519. 2 Claims. (Cl. 75—1.)

1. A contact alloy comprising the following metals in the following proportions by weight, gold—approximately 72%, silver—approximately 26.2%, and the remainder base metal.

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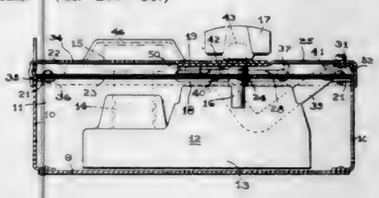
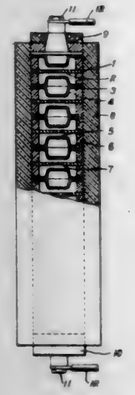
1,561,248. SWITCH MECHANISM. HUBERT K. KRANTZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 7, 1922. Serial No. 527,782. 10 Claims. (Cl. 200—50.)



1. Switch mechanism comprising a housing, a cover therefor having a transverse hinge slidable longitudinally of the housing and a slot adjacent the hinged end thereof, and a switch device within the housing having an operating handle extending through the slot and adapted to engage the cover and prevent opening movement thereof when the switch is in closed position, the said cover being adapted to move longitudinally of the housing during the opening movement thereof and to prevent closing movement of the switch when the cover is in open position.



1,561,249. SPARK-GAP LIGHTNING ARRESTER. SAMUEL B. KRAUT, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 7, 1922. Serial No. 550,277. 3 Claims. (Cl. 175—30.)



1. In a lightning-arrester, a discharge gap device comprising a flat sheet-metal electrode, two tubular insulating spacers one on each side of said flat electrode, two sheet-metal electrodes enclosing the open sides of said spacers, and having dished portions projecting towards said flat electrode to constitute discharge gaps on both sides thereof, said spacers and electrodes constituting separated chambers one on each side of said flat electrode.

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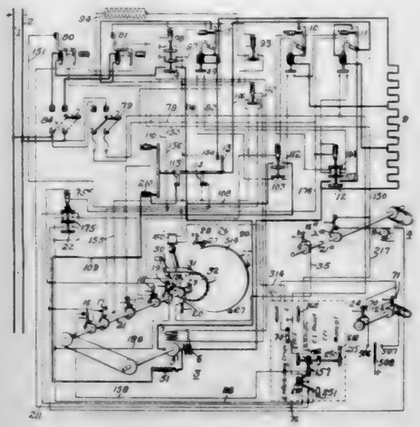
1,561,250. CEILING-CLEANING APPARATUS. FREDERICK KUNZE, Bronx, N. Y. Filed Apr. 22, 1924. Serial No. 708,120. Renewed Oct. 8, 1925. 3 Claims. (Cl. 15—50.)

1. A ceiling cleaning apparatus comprising a platform having a pair of spaced tubular uprights, a frame having extensions movable in said uprights, rack and gear means for raising and lowering said frame, a tank mounted in said frame, a pair of cylindrical brushes journaled in the frame, the peripheries of the brushes extending above the edges of the frame and tank, and means for rotating said brushes.

1,561,251. CONTROL SYSTEM. EDWIN S. LAMMERS, Jr., Elyria, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 12, 1919. Serial No. 296,392. 7 Claims. (Cl. 172—239.)



1. The combination with a machine and a controlling device therefor having two operative positions, of means for controlling said machine when said device occupies one of said positions, means for preventing the control of said machine under predetermined conditions and means for rendering said preventing means ineffective upon the operation of said device to said other position.

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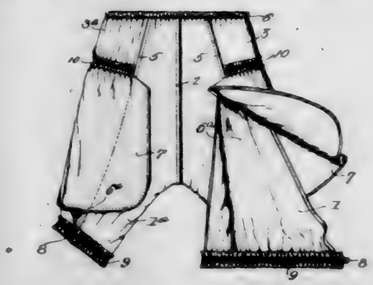
1,561,252. WOMAN'S UNDERGARMENT. BERNARD LASTER, Philadelphia, Pa. Filed Aug. 21, 1925. Serial No. 51,595. 5 Claims. (Cl. 2—224.)



1. In a woman's bifurcated undergarment, the combination of two combined body and leg sections joined by a central seam, each of the said sections having a slit in the rear extending from the bottom to a point near the waist, releasable means for connecting the two edges of each of the slits at the bottoms thereof, and flaps attached respectively at the outer sides of the said slits and overlapping the rear parts of the respective leg portions.

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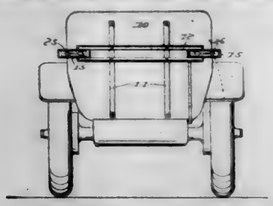
1,561,253. DIRECTION INDICATOR. ALBERTO LAZZARI, New York, N. Y. Filed Oct. 15, 1921. Serial No. 507,905. 2 Claims. (Cl. 177—329.)

1. A device for the purpose indicated comprising a transverse frame having uprights terminally attachable

to a vehicle body on the rear end, signal boxes carried at the remote ends of the frame, and brackets on the



frame for supporting said boxes and angularly adjustable to horizontally position said boxes.

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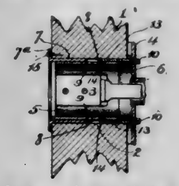
1,561,254. MOUNTING MEANS FOR LOCKS. CHARLES LEDIN, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Feb. 13, 1925. Serial No. 8,963. 6 Claims. (Cl. 70—46.)



1. Mounting devices for cylinder locks, comprising relatively adjustable tubes or shells to enter a bore in a door, one of said tubes or shells having projecting portions to pass through holes in a member of a rim-lock casing, said tube or shell also having a laterally projecting member to engage a face of the door.

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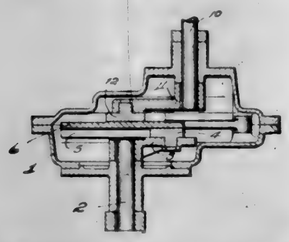
1,561,255. WASHING MACHINE. IRVIN D. LENGEL, Reading, Pa., assignor to Knoll Manufacturing Company, Reading, Pa., a Corporation of Pennsylvania. Filed Feb. 21, 1925. Serial No. 10,773. 3 Claims. (Cl. 74—14.)



1. A mechanical movement consisting of a power shaft and a secondary shaft, a crank on the end of the power shaft and adapted to be rotated thereby, a block attached to the end of the crank, and a cross-head in which said block moves with a slidable movement, a like block also slidably located on the opposite side of the cross-head, a crank carried by the secondary shaft and attached to the last named block, and a pair of positioning links pivotally mounted at one end and at their opposite ends to opposite points of the cross head, whereby he rotation of the power shaft will cause the secondary shaft to move with an oscillatory movement.

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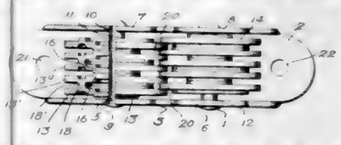
1,561,256. BLADE SHARPENER. EDWARD ASHLEY LILLY, Philadelphia, Pa. Filed Jan. 17, 1923. Serial No. 613,142. 4 Claims. (Cl. 76—87.)

1. A blade sharpener embracing a base having side walls forming bearings, a pair of spaced apart shafts mounted in said side walls and a series of independent disks mounted up on said shafts, the disks of one



shaft overlapping the disks of another shaft, each of said disks having a projecting hub on one side and an annular flange on the other side.

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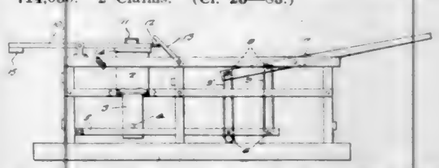
1,561,257. MOLDING APPARATUS. LEON LIVERMONT, New Eagle, Pa. Filed May 17, 1924. Serial No. 714,050. 2 Claims. (Cl. 25—83.)



1. Apparatus for molding bricks comprising a frame, a mold body mounted thereon, a plunger mounted for movement in the mold body and having its stem projecting through the bottom of the body, a cross shaft passing through the stem of the plunger, levers fulcrumed on the bottom of the frame and having their upper edges engaging the cross shaft, a manually operable lever fulcrumed on the top of the frame, and a pair of links operatively connecting the manually operable lever with the first mentioned levers and longitudinally spaced in respect to the levers.

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1,561,258. PROCESS FOR TESTING SPARK STATIONS. SIEGMUND LOEWE, Berlin, Germany. Filed July 27, 1921. Serial No. 487,821. 8 Claims. (Cl. 250—36.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat L., 1313.)

1. The process of testing the purity of the tone of a radio sending system, which consists in connecting a direct-current instrument to a part of the system undergoing periodical electrical changes and observing whether the direct-current instrument gives a constant reading.

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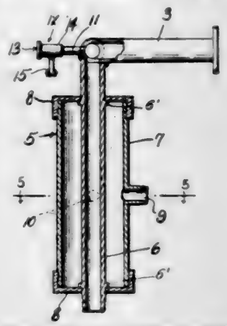
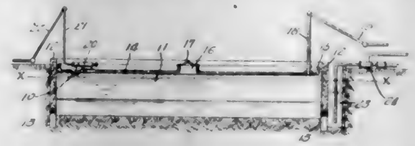
1,561,259. INTAKE-MANIFOLD HEATER. EDWARD M. MCDERMOTT, East Orange, N. J. Filed Mar. 17, 1922. Serial No. 544,531. 1 Claim. (Cl. 257—341.)



The combination with an intake manifold having a pipe disposed angularly thereto, of a heater drum surrounding the pipe and having inlet and outlet ports therein, caps screwed on the ends of said drum and having openings through which said pipe extends, and means on the pipe engaged by said caps to prevent longitudinal movement of the drum.



1,561,260. METHOD AND APPARATUS FOR STORING OIL. ELLIS MALLERY, Los Angeles, Calif. Filed May 8, 1923. Serial No. 637,454. 4 Claims. (Cl. 137—21.)



2. In an oil storage reservoir, the combination of: walls forming an enclosure, the greater portion of said enclosure being below ground water level; walls forming a well in open communication with the soil, said well having open communication with the lower part of said enclosure; and means for rapidly conveying water from said well.

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1,561,261. LUBRICATING COMPOUND AND ITS MANUFACTURE. ALFRED GEORGE MARSHALL, Purley, England. Filed July 17, 1923. Serial No. 652,182. 4 Claims. (Cl. 87—9.)

1. The process of manufacturing a lubricating compound which comprises heating and mixing together castor oil and a mineral oil until solution takes place, allowing the solution to cool until a separation into layers is complete, drawing off the lower layer and adding to the latter such further quantity of castor oil as will on cooling to 0° C. prevent a further separation taking place.

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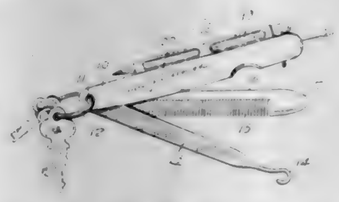
1,561,262. COMBINATION POCKET IMPLEMENT. ELSIE A. MARTIN, née Blackstun, St. Louis, Mo. Filed Feb. 17, 1921. Serial No. 445,834. 1 Claim. (Cl. 7—1.)



A combination pocket implement comprising a handle composed of an integral sheet of material folded to channel formation with abutting flanges forming a partial closure at one end, an eyelet inserted through the end opposite the abutting flanges and upset upon opposite exterior surfaces of the channel, and a plurality of instruments pivoted upon the eyelet and foldable entirely within the channel.

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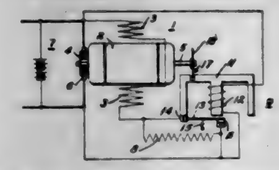
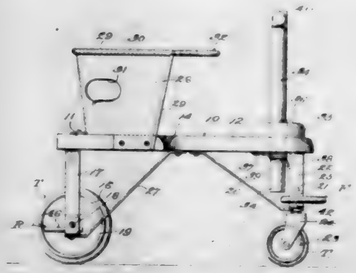
1,561,263. VOLTAGE REGULATOR. HAROLD A. MAXFIELD, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 23, 1921. Serial No. 502,604. 20 Claims. (Cl. 171—229.)



2. In a voltage regulator, the combination with a magnetizable core, an energizing coil and contact members controlled thereby, of means for automatically and intermittently varying the flux density of said core.



1,561,264. CHILD'S VEHICLE. EMIL M. MAYER, Newport, Ky., assignor to Newport Manufacturing Company, Newport, Ky., a Corporation of Kentucky. Filed Sept. 12, 1924. Serial No. 737,307. 4 Claims. (Cl. 155—22.)



1. In a child's vehicle, a body formed with an enlarged rear seat portion and a reduced forward portion, wheeled supporting frames for said body, a seat back and side forming member secured on and extending upwardly from the seat portion of said body, and a confining member mounted on and supported solely from said seat forming member and extending forwardly from the upper forward ends thereof and thereacross above the reduced forward portion of the body.

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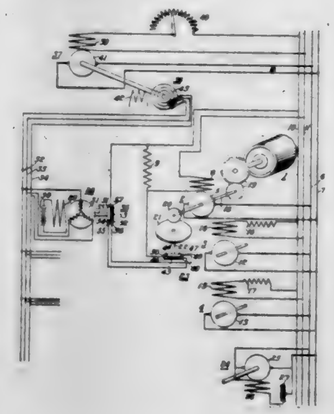
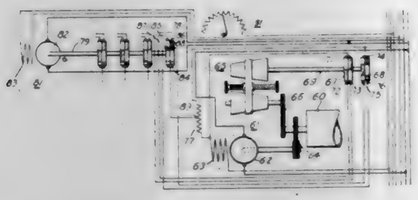
1,561,265. SPEED-REGULATOR SYSTEM. WILLIAM E. MENZIES, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 12, 1920. Serial No. 350,734. 7 Claims. (Cl. 172—293.)



1. In a regulator system, the combination comprising a plurality of rolls, a motor for operating each of said rolls, each of said motors having a resistor in circuit therewith, a commutator device operated by each of said motors, and a second commutator device associated with each motor, said commutator devices controlling a shunt circuit for said resistor, and means for varying the time intervals during which said resistor is included in said circuit to maintain a constant speed ratio between the motors.

1,561,266. SPEED-REGULATOR SYSTEM. WILLIAM E. MENZIES, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 20, 1922. Serial No. 530,708. 14 Claims. (Cl. 172—293.)



1. In a regulator system, the combination with a motor comprising an armature and a field-magnet winding, a resistor divided into sections by a plurality of taps and located in the circuit of said field-magnet winding, and a commutator device operated by said motor, of a second motor, and a commutator device operated thereby, said commutator devices each having a plurality of brushes co-operating therewith and respectively connected to said taps and to opposite sides of said resistor.

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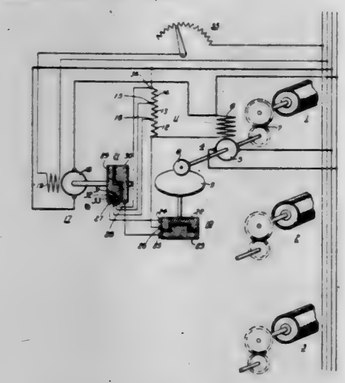
1,561,267. SPEED-REGULATOR SYSTEM. WILLIAM E. MENZIES, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 20, 1922. Serial No. 530,709. 8 Claims. (Cl. 172—293.)



1. In a regulator system, the combination with a motor comprising an armature and a field-magnet winding, a resistor divided into sections by a plurality of taps and located in the circuit of said field-magnet winding, and a commutator device operated by said motor, of a second motor, and a commutator device operated thereby, one of said commutator devices having a plurality of brushes co-operating therewith respectively connected to said taps and to opposite terminals of said resistor.

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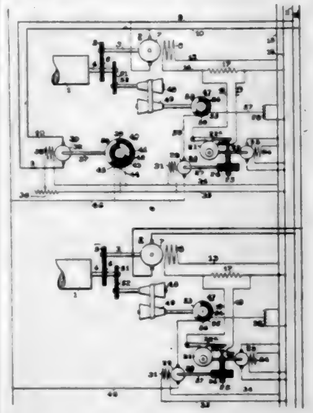
1,561,268. REGULATOR SYSTEM. WILLIAM E. MENZIES, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 14, 1923. Serial No. 645,276. 9 Claims. (Cl. 172—293.)

1. In a regulator system, the combination comprising a motor having a field winding, a resistor in circuit with said field winding, means for intermittently short-circuiting said resistor, said means comprising cam-operated contact members, electroresponsive means for varying the position of one of said contact members, and means for



intermittently actuating said electroresponsive means in accordance with the speed variations of said motor.

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1,561,269. CONNECTING-ROD ADAPTER FOR INTERNAL-COMBUSTION ENGINES. CARLTON E. MILLER, Atherton, Calif. Filed May 23, 1925. Serial No. 32,277. 4 Claims. (Cl. 74—47.)

2. A connecting rod adapter for internal combustion engines comprising means introduced in the bearing of the connecting rod for lengthening the same with respect to the crank shaft and piston.

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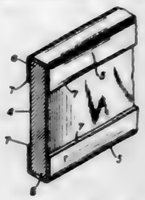
1,561,270. BUS BAR. DOUGLAS F. MINER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 17, 1920. Serial No. 410,896. 7 Claims. (Cl. 173—13.)



1. A conductor having a non-circular cross-section and means for compensating the skin effect thereof comprising inductive means disposed adjacent the points in the conductor normally carrying more current than other points thereof.

2. A conductor having a non-circular cross-section and magnetic means disposed adjacent the point in the conductor normally carrying more current than other points thereof for compensating the skin effect thereof.

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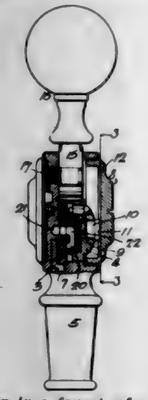
1,561,271. FAUCET FOR SODA FOUNTAINS. WILLIAM MORLOK, Philadelphia, Pa., assignor to I. Fischman & Sons, a Copartnership, Philadelphia, Pa. Filed Jan. 19, 1925. Serial No. 3,376. 6 Claims. (Cl. 225—25.)

1. The combination in a faucet, of a casing having a valve seat at one side of the center of the casing; a valve mounted on the seat; and an adjustable cap enclosing the valve, said cap being concentrically mounted on the casing and arranged eccentrically in relation to the valve seat so that the cap is not affected by the movement of the valve.



6. The combination in a faucet, of a cylindrical casing having an internal screw thread at one end; a cap having an external screw thread adapted to the threads of the casing and having an internal flange, the casing having a valve seat at one side of the center of rotation of the cap; a rotating valve mounted on the seat and having a recess at its back; an adjustable pin mounted in the recess and having an elongated head bearing against the cap within the flange, the valve having a series of gear teeth in its periphery; an operating lever meshing with the gear teeth; and means for limiting the movement of the lever, the seat having two ports and the valve having a single port arranged to be moved in alignment with either of the ports of the valve seat, on turning the valve.

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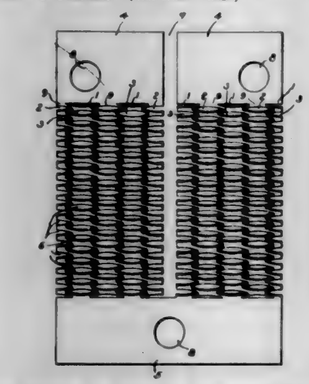
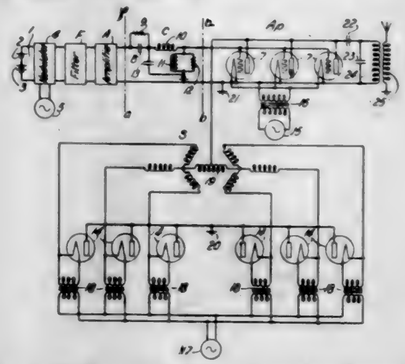
1,561,272. METHOD OF MAKING EXPANDED-METAL RESISTORS. HARRY C. NAGEL, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed Mar. 7, 1919, Serial No. 281,154, Patent No. 1,396,871, dated Nov. 15, 1921. Divided and this application filed June 3, 1921. Serial No. 474,839. 5 Claims. (Cl. 164—6.5.)



1. The method of making expanded-metal resistors which comprises slitting an interior portion of a plane metal sheet between two uncut end portions, simultaneously expanding said slitted portion, then actuating said sheet in the plane thereof and repeating said operation, and finally cutting through one of said end portions and said interior portion.



1,561,273. RADIO SYSTEM. HAROLD W. NICHOLS, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 24, 1924. Serial No. 751,728. 11 Claims. (Cl. 250—17.)



1. A radio transmitting system, comprising means for producing a carrier wave modulated in accordance with speech currents while suppressing the component of carrier frequency, and means for raising said wave to high power comprising an amplifier supplied with energy having an appreciable ripple component.

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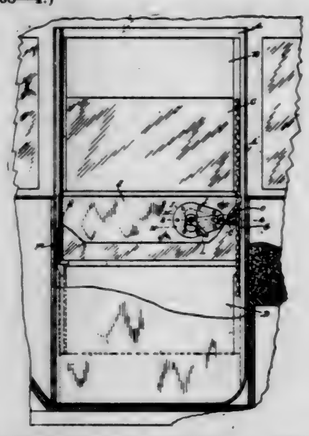
1,561,274. WINDOW-CONTROL MECHANISM. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed May 22, 1922. Serial No. 562,872. 6 Claims. (Cl. 268—4.)



1. In a window control mechanism, a sliding window member, a rack bar carried thereby and extending in the direction of travel thereof, a pair of co-pivotal control arms having corresponding ends engaging said rack and adapted for a limited bodily movement to or from the rack, means yieldably urging said arms bodily toward the rack, a common means for rocking said arms and for alternately withdrawing the same bodily from the rack.

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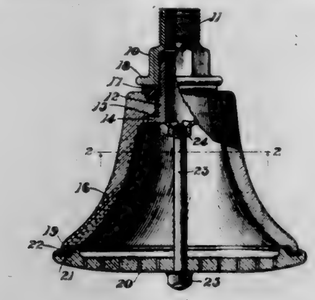
1,561,275. SHOWER HEAD. JOHN C. PAGE, Oakland, Calif, assignor to Standard Brass Casting Co., Oakland, Calif., a Corporation of California. Filed Jan. 16, 1924. Serial No. 686,555. 3 Claims. (Cl. 299—141.)

1. In a shower head the combination with a pipe fitting formed with a flange, a clamping nut adapted to be

threaded on to said fitting, a porcelain member forming the bell or funnel of a shower head clamped in place between said nut and flange, a spider on said clamping nut formed with a wrench engaging boss, a perforated disk removably fitted to the base of the porcelain member, a bolt extending through the disk and connected to the



boss for clamping the disk in position, said boss also serving when the disk is removed as a means to receive a wrench for turning the clamping nut, whereby when the nut is removed from the pipe fitting the porcelain member may be instantly separated from the parts which connected it in place.

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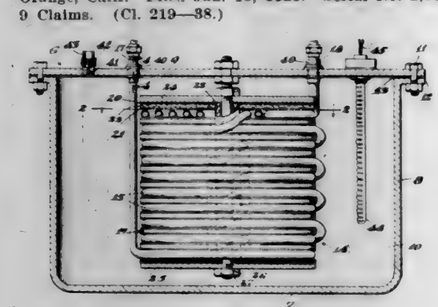
1,561,276. FLUID HEATER. CHARLES C. PANKRATZ, Orange, Calif. Filed Jan. 13, 1925. Serial No. 2,140. 9 Claims. (Cl. 219—38.)



3. In a fluid heater of the character described, a conduit for a fluid, a housing in which said conduit is arranged in a space of less than atmospheric pressure, said conduit constituting an electrical conductor and resistance element and having terminal portions extending through and insulated from the walls of said housing.

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1,561,277. AUTOMATIC CONTROLLING MECHANISM FOR WATER HEATERS. HENRY J. PHILBIN, Buffalo, N. Y. Filed Nov. 3, 1922. Serial No. 598,756. 6 Claims. (Cl. 236—25.)

1. A controlling mechanism comprising a cylinder having a water inlet at its front end and a transfer port in its side, a receiver having a valved outlet and communicating with the rear end of said cylinder and adapted to communicate with the front end of said cylinder through said transfer port, a piston arranged in said cylinder and adapted during its forward movement to uncover more or less of said transfer port, a by-pass valve arranged on said piston and adapted to be opened by a differential in water pressure on the front and rear side of said piston to permit water to pass from said cylinder into said receiver, means for yieldingly holding said piston in its forward position, means for transmitting motion from said piston to a heat controlling element, and means for varying the capacity of said transfer

port comprising a shutter slidable circumferentially across said transfer port on the exterior of said cylinder, and means for shifting said shutter.

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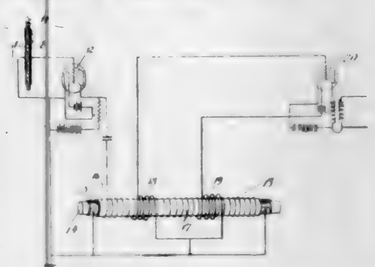
1,561,278. WAVE SIGNALING SYSTEM. MICHAEL I. PUPIN, Norfolk, Conn., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 4, 1918, Serial No. 215,294. Renewed Jan. 26, 1921. Serial No. 440,225. 6 Claims. (Cl. 179—171.)



4. The combination with an input circuit carrying received currents of a predetermined frequency and other currents differing in frequency, of a helix having one terminal connected to one terminal of said input circuit, a condenser element connected to the other terminal of said input circuit and constituting, with said helix, a conductor having distributed inductance and capacity, whereby there are one or more half-waves of the predetermined frequency within the full length of the helix, a pair of coupling means in operative relation to said conductor and spaced by substantially an odd multiple of one-half wave-length of the predetermined frequency, and an output circuit operatively associated with said pair of coupling means.

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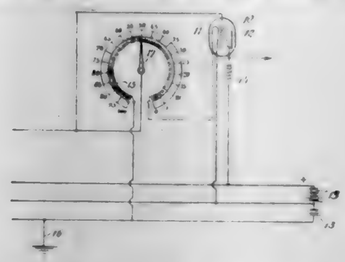
1,561,279. EQUALIZING VACUUM-TUBE AMPLIFIER. MICHAEL I. PUPIN, Norfolk, Conn., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 23, 1918. Serial No. 268,044. 2 Claims. (Cl. 179—171.)

1. The method of measuring the amplifying power of a three-electrode vacuum tube which consists in deriving two periodic electromotive forces of opposite



phase from a common source of periodic energy, applying a measured adjustable fraction of one of said electromotive forces between the grid and cathode, applying



the other of said electromotive forces between the anode and cathode, detecting the presence of periodic current in the anode-cathode circuit, and adjusting said fraction until said current is nil.

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1,561,280. ROTARY BRUSH. RUDOLPH R. RADINER, Cleveland, Ohio. Filed Apr. 14, 1924. Serial No. 706,833. 4 Claims. (Cl. 15—181.)

1. A rotary brush comprising a set of bristle carriers clamped together, each carrier consisting of a metal ring having a set of radial tongues at its periphery, a fibre carrying member clamped between the tongues, and a set of axially directed integral spacing fingers formed at the inner edge of the ring and adapted to contact with similarly formed fingers on the next adjacent bristle carrier.

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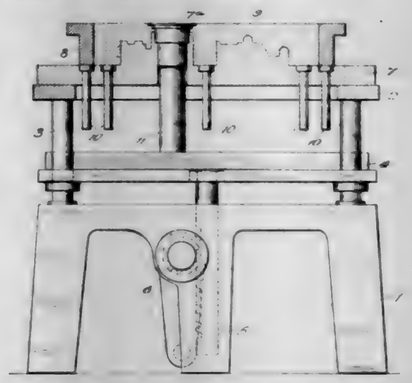
1,561,281. MOLD EJECTOR DEVICE. HERMAN RAU, Hamilton Beach, and CHARLES E. CHAPPLE, Brooklyn, N. Y., assignors to Doehler Die-Casting Co., a Corporation of New York. Filed Oct. 16, 1923. Serial No. 668,807. 5 Claims. (Cl. 22—48.)



8. A mold ejector device comprising an ejector plate and operating means therefor, a pattern supported above the ejector plate having a plurality of countersunk holes therethrough and having an upwardly removable overhanging part for casting an undercut supported in one of the said holes, a relatively long ejector pin in the hole underneath the said removable part of the pattern, and a plurality of shorter ejector pins provided with heads and supported by their heads in the countersunk holes.

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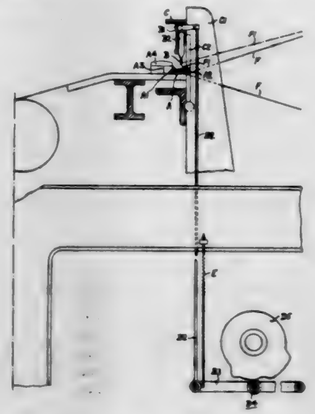
1,561,282. LOOM FOR WEAVING PILE FABRICS. RONALD LEIGHTON SANDEMAN, Bearsden, Scotland. Filed Mar. 11, 1925. Serial No. 14,792. 4 Claims. (Cl. 139—38.)



3. In looms for making pile fabrics, a sley, and loop or tuft-forming mechanism comprising a set of detent elements in combination with a set of coacting presenting elements carried by and bodily movable with the sley during the period in which the pile loops are being formed, and means including a cam for imparting to said presenting elements movements of partial rotation independent of their bodily movements to cause said presenting elements each to engage, retain and release its particular thread and place it on a detent element.

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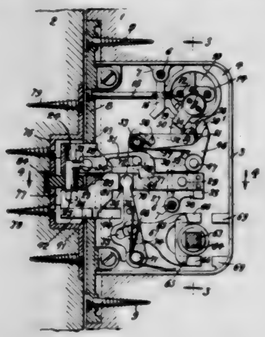
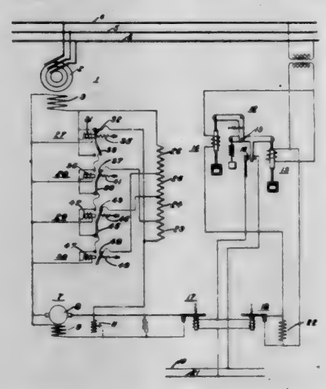
1,561,283. MORTISE LOCK. SAMUEL SEGAL, New York, N. Y., assignor to Segal Metal Products Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Apr. 7, 1921. Serial No. 459,257. 33 Claims. (Cl 70—46.)



1. In a door lock, a keeper, a latch bolt mounted on the door and provided with a slot and an opening therein and adapted to enter said keeper and a locking bolt mounted in said opening and extending across said slot when in locked position.

1,561,284. REGULATOR SYSTEM. HOLLIS K. SELS, Pittsburgh, and THEODORE SIMMONS, Homewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 555,356. 8 Claims. (Cl. 171—229.)



1. In a regulator system, the combination with a dynamo-electric machine, an exciter therefor, and a regulator adapted to control the operation of said machine substantially within the range of stable operation of said exciter, of means whereby said regulator may accurately control the excitation of said machine beyond said range of stable operation of said exciter, said means comprising a plurality of resistor sections in circuit with said exciter, and a plurality of electroresponsive means for controlling the circuit to said sections.

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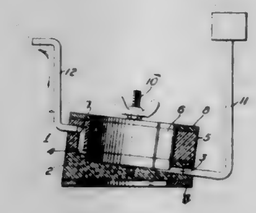
1,561,285. APPARATUS FOR TESTING THE RATE OF LIQUID ABSORPTION BY FABRICS OR THE LIKE. FRED A. SESLER, Providence, R. I., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 20, 1920. Serial No. 352,895. 6 Claims. (Cl. 273—51.)



1. A device for testing the liquid absorption of fibrous sheet material comprising a substantially cylindrical receptacle having a beveled base and an opening in one end thereof, means for clamping fibrous sheet material across the opening of said receptacle, means for admitting fluid into the enclosed portion thereof and means for indicating the effective level of the liquid.

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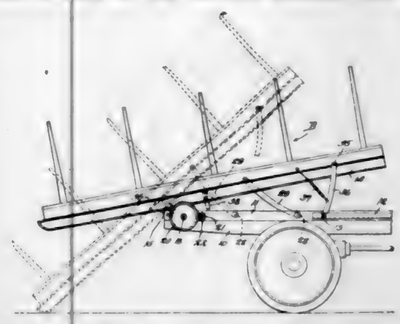
1,561,286. DUMPING TRUCK. CECIL A. SNYDER, Hampstead, Md., assignor of one-half to Lewis C. Caltrider, Reisterstown, Md. Filed July 11, 1925. Serial No. 42,863. 6 Claims. (Cl. 298—14.)

1. In a dump truck, a chassis, a body supported on said chassis and movable longitudinally thereof, means to move said body rearwardly of the chassis, a pair of arms actuated by said rearward movement for effecting partial checking of said rearward movement and assisting primary tilting of the body and a second pair of arms controlled by the action of the body moving means to effect further tilting of said body.



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1,561,287. METHOD AND APPARATUS FOR DIE CASTING. MARC STERN, Brooklyn, N. Y., assignor to Doehler Die-Casting Co., a Corporation of New York. Filed Oct. 20, 1923. Serial No. 669,719. 8 Claims. (Cl. 22—200.)

1. The method of die-casting consisting in forming a core of readily disintegratable material, applying thereto a protective coating of metal, casting metal under pressure about the coated core, and then disintegrating and removing the core.

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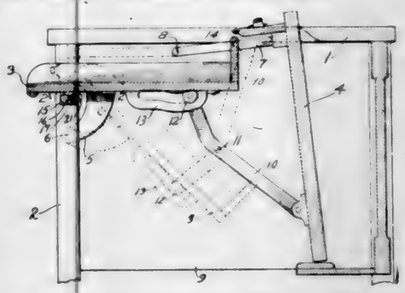
1,561,288. DESK STRUCTURE. JENS VAALER, Chicago, Ill., assignor to The Clemetsen Company, Chicago, Ill., a Corporation of Illinois. Filed June 30, 1924. Serial No. 723,090. 13 Claims. (Cl. 45—52.)



1. A desk of the character described comprising a body provided with a front rail, a table movably mounted in said body, and table-restraining means mounted on the rail and cooperating with a portion of the table contiguous to said rail to limit relative movement of the table and the body.

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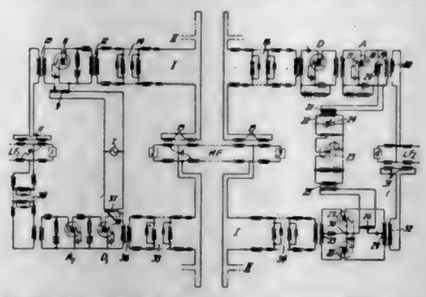
1,561,289. SIGNALING BY HIGH-FREQUENCY WAVES. HARALD J. VENNES, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 29, 1919. Serial No. 327,073. 14 Claims. (Cl. 179—15.)

8. A method of signaling between stations which comprises generating a high frequency wave at one station, modulating said wave in accordance with signals, transmitting both the modulated and unmodulated components of said signal modulated wave to a second station, selecting the unmodulated high frequency component of said signal modulated wave at said second station, controlling said selected unmodulated high frequency wave component in accordance with signals for transmission to the generating station, and transmitting such controlled wave to the generating station.



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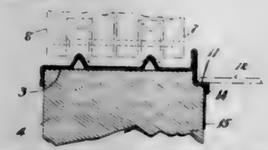
1,561,290. COVER PLATE FOR DISPLAY CASES. CHARLES E. WICKE, Mount Vernon, N. Y., assignor to A. C. Wicke Manufacturing Company, New York, N. Y., a Corporation of New York. Original application filed May 15, 1924, Serial No. 713,393. Divided and this application filed Apr. 6, 1925. Serial No. 21,157. 4 Claims. (Cl. 211—7.)



1. A combined cover plate and track for display cases, comprising an elongated strip of metal having a flat body portion, two downwardly extending flanges engaging the sides of said body portion and integral therewith, two longitudinal corrugations pressed outwardly from said flat body portion in a direction opposite to said flanges, and another longitudinal corrugation extending outwardly from adjacent the edge of said flat body portion in the same direction as said first mentioned corrugations, said first-mentioned corrugations adapted to serve as tracks and said last-mentioned corrugation adapted to serve as a stop.

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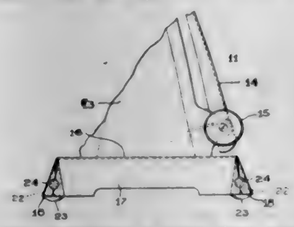
1,561,291. TOASTER BASE AND FOOT. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 6, 1923. Serial No. 630,269. 7 Claims. (Cl. 53—5.)



1. A base comprising a metal sheet having integral depending flanges, the end portions of said flanges being angularly disposed relatively thereto and having integral laterally-extending arcuate portions and means operatively engaging said arcuate portions for holding said flanges in proper operative position.



1,561,292. AUTOMATIC TELEPHONE SYSTEM. FRITZ ALDENDORFF, Berlin-Wilmersdorf, Germany, assignor of one-fourth to Paul Kolisch, New York, N. Y. Filed Aug. 16, 1921. Serial No. 492,828. 33 Claims. (Cl. 179—18.)

1. In a telephone system, calling lines, talking conductors to which the said lines are adapted to be extended, transitorily-engaged two-way call-advancing devices, means for simultaneously advancing a plurality of calls from a plurality of said lines through said call-advancing devices to a plurality of said conductors, and connecting devices for interconnecting talking conductors to which calls have been advanced and the lines from which the calls have proceeded.

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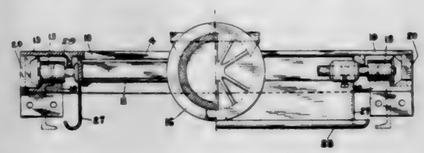
1,561,293. ASH-HOPPER CONSTRUCTION. FRANK B. ALLEN, Cleveland, Ohio, assignor, by mesne assignments, to Frank H. Dunbar. Filed Mar. 21, 1921. Serial No. 454,322. 14 Claims. (Cl. 110—171.)



9. A horizontally movable door, for a hopper having a bottom opening, provided with means for collecting liquid passing through the said opening and discharging the same at one end of the door.

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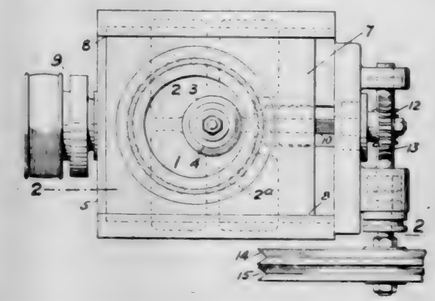
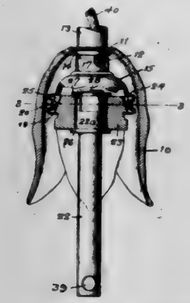
1,561,294. ROLLING MACHINE FOR PISTON RINGS. AMANDUS W. ALMQUIST, West Orange, N. J., assignor to Twin Piston Ring Corporation, Newark, N. J., a Corporation of New Jersey. Filed Nov. 2, 1923. Serial No. 672,372. 3 Claims. (Cl. 29—1.)



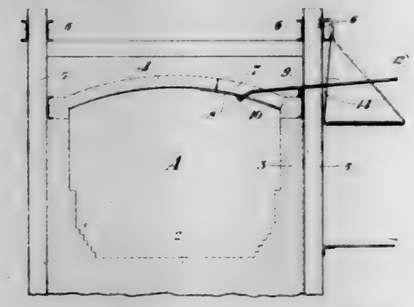
1. A rolling machine for piston rings comprising in combination a horizontal slide, a revoluble annulus mounted horizontally on the slide and adapted to receive a piston ring overlying the slide, a roller die revolubly mounted in the annulus for co-operation with the inner wall thereof and having a portion of its periphery roughened and of cam form to roll portions of the piston ring opposite to its split with different degrees of pressure, means for rotating the die, and a weight for holding the slide and annulus with a constant pressure.

1,561,295. TOOL FOR MANIPULATING SOCKET CAPS. CARL ERIC ANDERSON, Stratford, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 22, 1923. Serial No. 614,190. 3 Claims. (Cl. 81—3.)



3. In a tool of the character described, a head adapted to enter a socket cap and marginally recessed to engage latching elements on the cap, said head being slotted in a plane normal to its axis, a gripping member pivoted in said slot, together with a tool stem rotatable with respect to said head, but having an operative engagement with said gripping member to displace the latter in the plane of the slot on rotation of the stem with respect to the tool head.

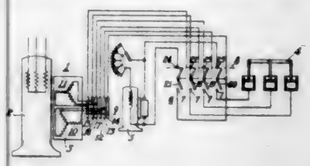
1,561,296. APPARATUS FOR REPAIRING FURNACE ROOFS. JAMES M. ANDREW, Farrell, and RALPH T. HADLEY, Sharon, Pa. Original application filed Sept. 17, 1923, Serial No. 663,153. Divided and this application filed Mar. 28, 1925. Serial No. 18,985. 2 Claims. (Cl. 25—131.5.)



1. A repair tool for supporting bricks and the like when repairing holes in self-supporting roof structures such as the roofs of open-hearth furnaces, comprising an elongated plate for supporting the bricks, said plate being curved longitudinally and a supporting lever pivotally secured to the under side of said plate, said lever being bent at right angles adjacent its pivoted end so as to project outwardly from under said plate and being of such length that it will extend without the structure being repaired.

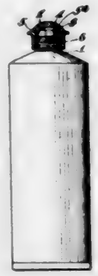
1,561,297. ALTERNATING-CURRENT ELECTRIC MOTOR. WILLIAM EDWARD MILTON AYRES, Hale, England, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 23, 1920. Serial No. 418,969. 6 Claims. (Cl. 172—274.)

1. A system comprising a synchronous motor having its secondary element provided with a multiple-part winding, a direct current exciter, and means for effecting a series arrangement of the winding parts for separate



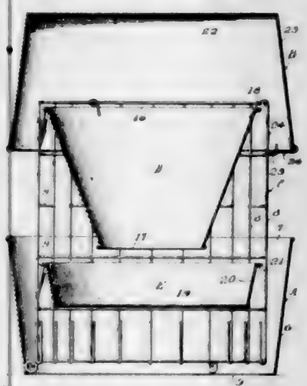
excitation during synchronous operation and a parallel arrangement of all said parts during induction operation

1,561,298. CLOSURE FOR COLLAPSIBLE TUBES. FREDERIC E. BALDWIN, Philadelphia, Pa. Filed June 6, 1925. Serial No. 35,353. 4 Claims. (Cl. 221—60.)



1. A closure for collapsible tubes having a threaded neck and a nozzle above the neck, and a cap adapted to engage the threaded neck, the cap being provided with a cavity adapted to encircle the nozzle and to engage the same with a rotary sliding motion, and the contacting parts between said nozzle and cap being tapered at different angles.

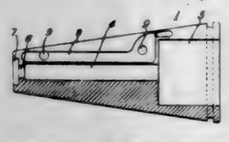
1,561,299. POULTRY FEEDER. VICTOR OWEN BANKS, Ortega, Fla. Filed June 13, 1925. Serial No. 36,866. 10 Claims. (Cl. 119—52.)



1. In a poultry feeder, the combination with the main receptacle, of a guard frame disposed therein, a vertically adjustable feed hopper disposed within said frame, a hopper pan disposed within said frame below the hopper, and cooperating means between the guard and the hopper for maintaining said hopper in any one of a plurality of vertically adjusted positions.

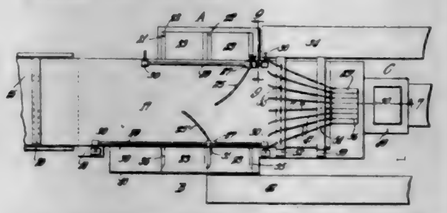


1,561,300. PROCESS OF AND APPARATUS FOR MOLDING. ARTHUR J. BASTIAN, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 9, 1919. Serial No. 302,637. 3 Claims. (Cl. 18—42.)



1. A mold comprising a frusto-conical inner mold including a plurality of splits having radial engaging faces and provided with recesses at each end connected by a central opening, a member adapted to seat in one of said recesses to close one end of the inner mold, a member provided with an opening adjacent its center and a plurality of openings adjacent its periphery adapted to fit within the other recess, a plurality of pins adapted to be disposed within the openings adjacent the periphery of the end member and a body provided with a tapered bore adapted to receive the inner mold.

1,561,301. APPARATUS FOR PACKING CONFECTIONS AND THE LIKE. ALONZO LINTON BAUSMAN, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a Corporation of Massachusetts. Filed Oct. 19, 1923. Serial No. 669,542. 4 Claims. (Cl. 226—14.)



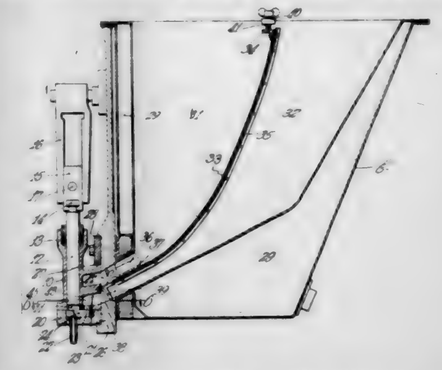
1. In combination, conveying means for confections and the like, supporting means adjacent thereto for plaques on which the candies are to be placed, deflecting means to divert confections on the conveying means toward said supporting means and assist the operator in arranging the confections on said plaques, said supporting and deflecting means being mounted for relative movement in a direction substantially parallel to that of the travel of said conveying means.

4. In combination, conveying means for confections and the like, a plurality of magazines each adapted to contain a stack of plaques, means for supporting said magazines for sliding movement in a direction substantially parallel to the path of travel of said conveying means, means for deflecting confections or the like to the uppermost plaques of the stacks in said magazines, and a delivery conveyer adjacent said magazines and to which the loaded plaques in the latter may be transferred.

1,561,302. DEPOSITOR. ALONZO LINTON BAUSMAN, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a Corporation of Massachusetts. Filed Oct. 19, 1923. Serial No. 669,543. 4 Claims. (Cl. 107—1.)

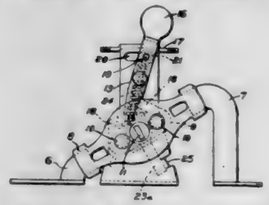
1. The combination in a depositor with the receptacle for the material to be deposited, of a flexible partition wall therefor, an abutment provided in connection with the receptacle to receive the lower end of said wall, abutments on the sides of said receptacle against which the side edges of said wall are adapted to engage, and means for applying pressure to the upper edge of said wall to cause it to engage said abutments.

4. The combination in a depositor with the receptacle for material to be deposited, said receptacle provided with an open upper end and a discharge passage in its front wall, an angle iron abutment on each side wall extending in an arc of a circle from a position adjacent said upper end to a position adjacent said passage and intermediate the upper and lower walls thereof, a thin metal partition plate extending transversely across the



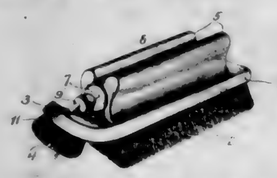
receptacle, an abutment adjacent said passage to receive the lower end of said plate, and an abutment near said upper end of the receptacle for the upper end of the plate, said plate adapted to be engaged with its lower abutment, flexed to engage said curved abutments and held in flexed position by the upper abutment.

1,561,303. TUMBLER SWITCH. HAROLD G. BAXTER, Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed Jan. 8, 1921, Serial No. 435,829. Divided and this application filed Nov. 15, 1924. Serial No. 750,122. 6 Claims. (Cl. 200—67.)



1. In a snap switch, a frame, a switch member pivoted thereto, an operating lever, and a rod and spring connecting said lever and said member, said member having two projections and said lever having a projection with a lost-motion connection with the projections on said switch member.

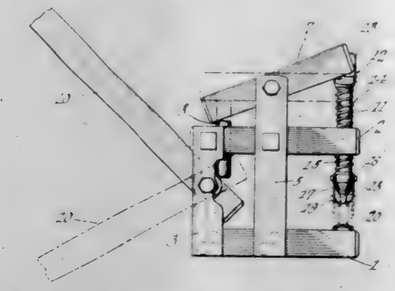
1,561,304. BRUSH. HENRY BEATTIE BELL-IRVING, Vancouver, British Columbia, Canada. Filed Nov. 12, 1924. Serial No. 749,469. 2 Claims. (Cl. 15—135.)



1. A brush including a back member having an integral upward and forward extensions at one end, an applicator carried by said extension, ribs formed on said back and constituting a combined handle and holder adapted to receive a receptacle between said ribs, and

a conduit passing through said extension and adapted to discharge into the applicator carried thereby, the inlet end of said conduit being adapted for connection with the receptacle.

1,561,305. RIVETING TOOL. HARRY LAVON BISHOP, Arcadia, Fla. Filed Mar. 7, 1925. Serial No. 13,881. 4 Claims. (Cl. 218—1.)

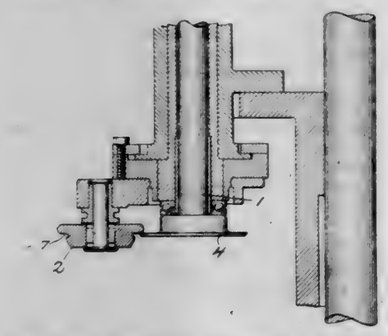


4. In a tool of the class described a supporting structure, plungers mounted to reciprocate in said structure, a beam fulcrumed intermediate its ends and supported at its end by one of said plungers, the other of said plungers having a detachable bifurcated head engaged with said beam and provided with a coiled spring to normally move the beam upward and retract the plunger, spring fingers carried by said last mentioned plunger for holding the rivets to be riveted, and a lever engaging the other plunger whereby the lowering of the lever will operate to elevate one end of the beam and lower the other thereby forcing the spring pressed plunger downward into operating position.

1,561,306. NONMAGNETIC STEEL WIRE. PORTER H. BRACE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1921. Serial No. 463,149. 3 Claims. (Cl. 75—1.)

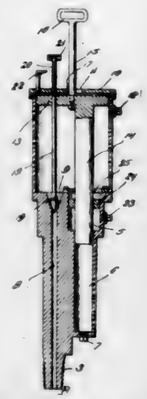
1. A substantially non-magnetic ferrous alloy comprising 10 to 18 per cent manganese, 2 to 8 per cent of chromium and 5 to 10 per cent of nickel.

1,561,307. SEAMING MECHANISM. JULIUS BRENZINGER, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Filed Aug. 17, 1922. Serial No. 582,378. 2 Claims. (Cl. 113—24.)



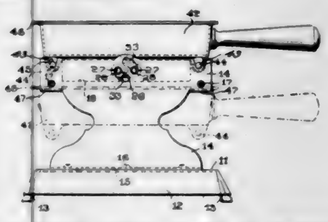
1. Seaming mechanism comprising a chuck having a head to enter the depressed portion of a container cover and a circumferential flange, of greater diameter than the container to be seamed and in a plane above the latter, against the underside of which the circumferential portion of the cover bears, and a coacting seaming roller having a seaming surface and having an upper surface above the seaming surface engaging the lower surface of the flange.

1,561,308. VACUUM-FEED LUBRICATING DEVICE. PERRY O. BROWN, St. Vincent, Minn., assignor of one-half to G. V. Backstrom, St. Vincent, Minn. Filed May 23, 1925. Serial No. 32,430. 3 Claims. (Cl. 184—39.)



1. In a lubricating device of the class described, a lubricant cup, a suction chamber in communication with said cup, a plunger located in the cup and embodying a head, slidable in the latter, and a stem extending into said suction chamber, whereby the production of suction in said chamber will serve to move the plunger in the cup to eject the lubricant therefrom.

1,561,309. COMBINED TOASTER AND TABLE STOVE. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 11, 1923. Serial No. 667,870. 5 Claims. (Cl. 219—19.)



2. In an electric cooking utensil, in combination, a frame, a single flat, open heating unit pivotally mounted in said frame and adapted to be swung to either a vertical or a horizontal position, and a combined material-supporting and heating-element-locking means removably mounted on said frame for holding said heating element in a substantially vertical position.

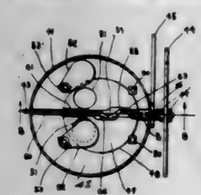
1,561,310. PACKING RING. RUDOLF D. CORKE, Yonkers, N. Y. Filed Mar. 26, 1923. Serial No. 627,612. 1 Claim. (Cl. 288—3.)

A packing ring comprising an outer ring member formed of a plurality of segments arranged in end to end abutting relation and provided with circumferentially disposed grooves on their peripheries, an inner ring member formed of a plurality of segments formed for overlapping end to end engagement, the segments of said inner ring member comprising graphite blocks impregnated with molten metal and machined into the desired form, and straight wire binding members disposed in the

grooves of said outer ring member for binding all of said ring members in assembled relation whereby to impart radial as well as circumferential pressure to the interior of said ring when assembled.

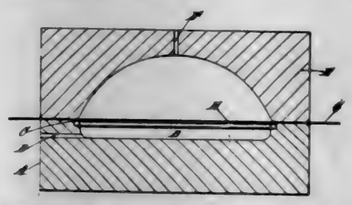


1,561,311. DRAFT-REGULATING DEVICE. JAMES W. CRAIG, Providence, R. I. Filed Dec. 21, 1922. Serial No. 608,225. 2 Claims. (Cl. 126—292.)



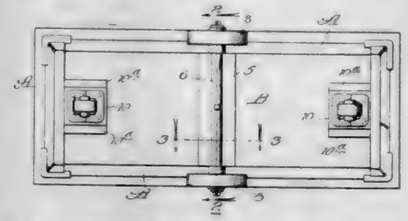
1. In a draft regulating device for furnaces, a damper comprising an inner plate member, a rod rotatable in and supporting said inner plate member, cooperating means carried by said rod and inner plate member engageable in one longitudinal position of said rod for holding said rod and inner plate member against relative rotation, an outer plate member having its external circumference of suitable size to fit within the pipe and provided with an opening for receiving said inner plate member, and means for securing said inner plate member within the opening formed in said outer plate member whereby said inner plate member may be secured to outer plate members of different sizes while so positioning the cooperating means carried by said rod and inner plate member as to hold the rod and inner plate member against relative rotation.

1,561,312. APPARATUS FOR FORMING OR SHAPING ARTICLES FROM SHEET MATERIAL. ARTHUR EDWARD CUTLER and PHILIP ALLAN MARSDEN, Newcastle, Australia. Filed Feb. 20, 1925. Serial No. 10,524. 1 Claim. (Cl. 113—44.)



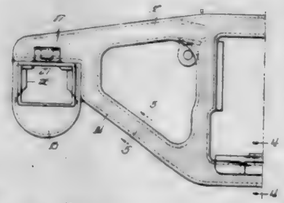
An apparatus for shaping articles from sheet material comprising a die member, a block having a pressure chamber, said die member and block adapted to yieldingly secure the sheet material between them, means for admitting fluid pressure to said chamber to act directly on one side of the sheet material, said block having a groove at the edge adjacent the pressure chamber, and a closed flexible tubular gasket fitting in said groove and adapted to be subjected to the action of a fluid pressure and to have its contour altered by said pressure to maintain a sealing action against the sheet material and prevent leakage of the fluid pressure.

1,561,313. TRUCK UNDERFRAME CONSTRUCTION. CHARLES H. DODGE, Chicago, Ill. Filed July 20, 1925. Serial No. 44,780. 2 Claims. (Cl. 280—50.)



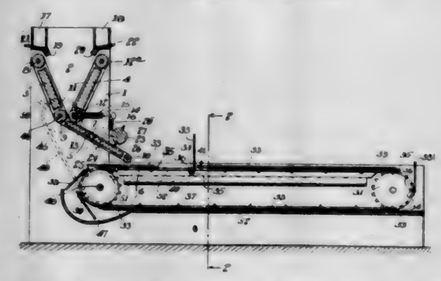
1. In combination with the sheet-metal bottom of a truck of the character described, a boltless underconstruction comprising a reinforcing plate welded to the exterior of said bottom to extend across its central portion, and a cylindrical tubular axle-bearing welded to said plate to extend lengthwise thereof.

1,561,314. SIDE FRAME FOR TRUCKS. HARRY E. DOERR, St. Louis, Mo., assignor to Scullin Steel Co., St. Louis, Mo., a Corporation of Missouri. Filed Mar. 27, 1924. Serial No. 702,191. 5 Claims. (Cl. 105—219.)



1. Truck side frame construction comprising a pressed steel side frame and a pressed steel journal box formed integrally with the side frame.

1,561,315. BAKING MACHINE. BLAS ENCISO, Los Angeles, Calif., assignor of one-half to Miguel M. Aguilar, Los Angeles, Calif. Filed Jan. 10, 1925. Serial No. 1,694. 3 Claims. (Cl. 107—57.)



3. In a machine as disclosed, a dough hopper, a delivery table leading from the hopper, means for rolling the dough as it passes from the hopper over said table, means for cutting the rolled dough on the table in suitable cake lengths, a baking conveyor onto which the cut dough is delivered, said baking conveyor including a pair

of endless chains, sprockets over which said chains extend, a plurality of plates pivotally mounted on said chains, means for swinging said plates upwardly to turn the cakes thereon over onto the next forward plates, and means for swinging the plates down from vertical position into normal horizontal position, and means for heating said plates to bake the cakes thereon on both sides.

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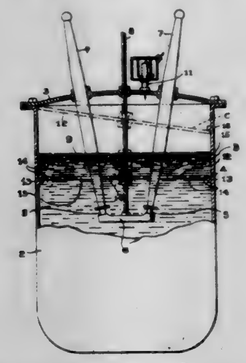
1,561,316. CIRCUIT INTERRUPTER. OTTO H. ESCHHOLZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 6, 1923. Serial No. 630,267. 5 Claims. (Cl. 200—150.)



1. In a circuit interrupter, the combination with a closed tank, a fluid in said tank, relatively movable contact members immersed in said fluid, and venting means for said tank, of a diaphragm having uniform movement axially of said tank for a limited distance and means for causing an irregular movement of said diaphragm beyond a predetermined point.

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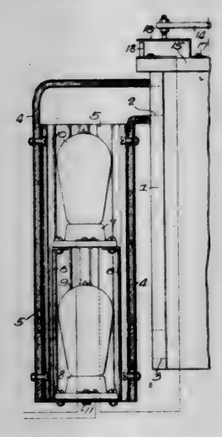
1,561,317. HEATING DEVICE FOR INCUBATORS. WILLIS ESHELMAN, Lampeter, Pa. Filed July 10, 1923. Serial No. 650,664. 9 Claims. (Cl. 219—19.)



7. The combination with an incubator of a vertically extending casing connected to deliver heated air thereto; a sleeve mounted in the casing and spaced away from the walls thereof; a frame removably mounted in said sleeve; and at least one heating element carried by said frame.

1,561,318. AIRCRAFT. CURTIS K. FORNEY, Oakland, Calif. Filed Jan. 16, 1924. Serial No. 686,531. 2 Claims. (Cl. 244—14.)

1. An aeroplane comprising a fuselage, a lateral upper wing, lower wing sections disposed in spaced parallel relation to the upper wing at the outer ends thereof, inclined elevator wing sections which unite with the top wing at points directly above the inner ends of the lower wing sections, said inclined wings extending downwardly and inwardly at an angle of 45 degrees to a point substantially in the same plane as the lower wing sections, a propulsion propeller, and auxiliary propellers adapted to direct a blast of air inwardly against said elevating planes to elevate the aeroplane.

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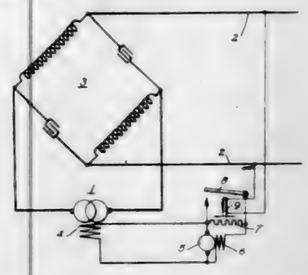
1,561,319. SINGLE-PHASE DISTRIBUTING METHOD AND SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 13, 1922. Serial No. 552,243. 10 Claims. (Cl. 171—119.)



2. A method of regulating a transmission line supplied from an alternating-current source through a static network of the type tending to effect a constant-voltage constant-current transformation, said method consisting in the step of regulating the voltage of said source to maintain a substantially constant voltage on said line.

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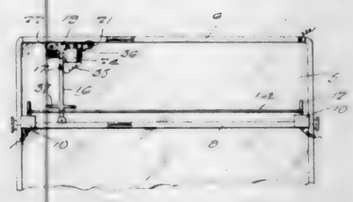
1,561,320. WINDSHIELD WIPER. CHARLES GLIDRIC and MALVIN BATES, Memphis, Tenn. Filed June 20, 1925. Serial No. 38,491. 2 Claims. (Cl. 15—253.)



1. A windshield cleaner including a pair of racks mounted on the windshield in spaced parallel relation and insulated therefrom, a switch at each end of the lower rack, each switch having a pair of fixed terminals and a movable arm, one terminal of each switch being electrically connected with one rack and the other terminal electrically connected with the other rack, a connecting rod between the arms of the switches, a carriage, pinions on the carriage travelable on the racks, a motor on the carriage operatively associated with one of the pinions for driving the carriage, the lower portion of the carriage being insulated from the upper portion of the carriage, the lower portion of the carriage being electrically connected with one pole of the motor and the upper portion being electrically connected with the other pole thereof.



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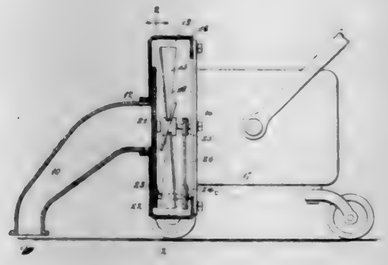
1,561,321. VACUUM CLEANER. MILTON GOODMAN, New York, N. Y. Filed Apr. 25, 1924. Serial No. 709,010. 3 Claims. (Cl. 15—16.)



1. In a vacuum cleaner including a suction nozzle, a chamber communicating with the nozzle and having means therein for creating a suction draft through the nozzle, and mechanism co-operating with the point of communication between the nozzle and chamber, said mechanism being positively driven by the suction draft-creating means for periodically and completely cutting off communication between the nozzle and said chamber, whereby to subject the surface being cleaned to a succession of suction impulses.

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1,561,322. MANUFACTURE OF FUEL BRIQUETTES. THOMAS AUGUSTUS GOSKAR, Burnham-on-Sea, England. Filed June 26, 1925. Serial No. 39,747. 4 Claims. (Cl. 44—28.)

1. A process for the manufacture of fuel briquettes which consists in forming a binding medium from caking coal reduced to an impalpable powder or a finely comminuted state such as to pass 150–200 (or finer) mesh, mixed with only enough liquid such for example as water or/and tar or other suitable liquid hydrocarbons to thereby form a smooth homogeneous paste, mixing a suitable proportion of this binding medium with a base material or materials of a non-caking character, such as anthracite or dry steam coal or coke breeze, e. g. in the proportions of 30%–10% of binding medium to 70%–90% of the base material or materials, pressing or moulding this mixture into briquettes, removing the latter from the press or moulds, and then subjecting the briquettes after removal from the press or moulds to heat treatment for the purposes described.

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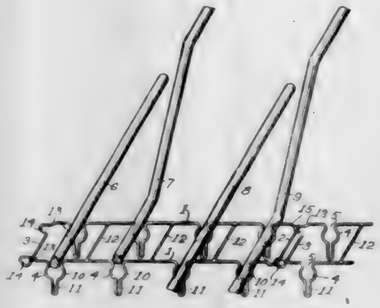
1,561,323. BAR SPACER. JOHN D. GREGG, St. Louis, Mo., assignor, by direct and mesne assignments, to Reinforced Concrete Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 24, 1924. Serial No. 708,628. 5 Claims. (Cl. 72—122.)

1. A bar spacer comprising an open frame of resilient material and having side bars and end bars connecting the side bars, said side bars being bent to provide depending substantially U-shaped supporting members each having the upper portions of its side arms bowed away from each other and providing the upper portions of the supporting



members with rod receiving seats having constricted inlets at their upper ends through which rods may be forced into the seats.

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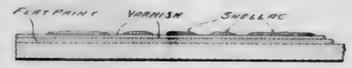
1,561,324. DECORATED SURFACE AND METHOD OF PRODUCING SAME. GEORGES L. GUÉNOT and GUÉNOT MAURICE, Los Angeles, Calif. Filed July 12, 1923. Serial No. 651,084. 3 Claims. (Cl. 91—68.)




3. The herein described method of decorating surfaces which consists in applying to a surface, a coat of copal varnish that has been cut with turpentine and then applying to the varnished surface before the same is dry, shellac that has been cut with alcohol.

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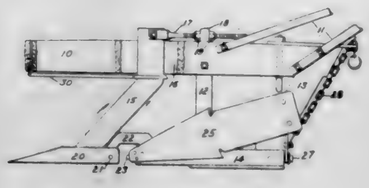
1,561,325. PLOW. PHILIP B. HACKLEY, Berkeley, Calif. Filed Apr. 18, 1923. Serial No. 632,862. 3 Claims. (Cl. 97—33.)



1. A plow including a share, a sub-frame at the rear of the share and a yoke forming a rigid and pivotal connection between said sub-frame and share and a mold board pivotally connected at its front end to the yoke and at its rear end to the sub-frame for movement beneath the said sub-frame whereby the mold board may be disposed at either side thereof.

1,561,326. ROCK DRILL. LUCIUS A. HARRISON, Hesperus, Colo. Filed Oct. 24, 1924. Serial No. 745,647. 3 Claims. (Cl. 255—63.)

1. A drill bit of the class described including a shank having a pair of spaced and opposed outer blades and a pair of spaced inner blades disposed transversely of and connecting the end portions of the outer blades.

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1,561,327. BAILER. SAM L. HEDRICK, Wewoka, Okla., assignor, by direct and mesne assignments, to International Patent Corporation of America. Filed Jan. 23, 1925. Serial No. 4,316. 2 Claims. (Cl. 166—19.)

1. A bailer of the class described comprising a barrel having a valve seat in its lower end, a bail at its upper end, a double jar link straddling the bail, a cable engaging member connected with the upper end of the link, a valve for engaging the seat, a valve stem, a socket member carried by the lower end of the link and receiving the upper end of the stem, a spring dog for connecting the socket member with the stem and means for holding the dog in an inactive position.

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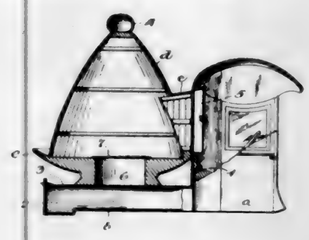
1,561,328. VEHICLE BODY. LIONEL MANUEL HENDLER, Baltimore, Md. Filed Jan. 11, 1924. Serial No. 685,653. 2 Claims. (Cl. 296—21.)

1. A vehicle body comprising a cab, a lower flat compartment extending rearwardly from the cab and having a door at its rear end, and an upper compartment supported on the lower compartment and extending thereover substantially from end to end of the latter, the



wall of said upper compartment constituting a top and side walls for the body, said upper compartment being closed to the rear and sides and having an entrance opening at the front communicating with the cab.

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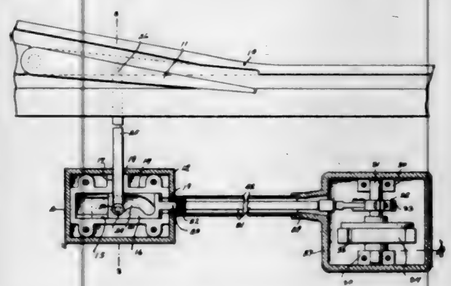
1,561,329. SWITCH-OPERATING MECHANISM. DAVID MARION JENNINGS, Waco, Tex. Filed Jan. 5, 1924. Serial No. 684,610. Renewed Apr. 9, 1925. 2 Claims. (Cl. 246—158.)



1. In a device of the type described and in combination with a railway switch embodying a shiftable point, a guide arranged adjacent the switch, a longitudinally shiftable block mounted in the guide and having a longitudinally disposed arcuately curved slot, car operated means for shifting said block, a roller operating in the groove of said block and held against movement longitudinally of the block, a link connecting said roller and the point of said switch, the car operated means including an eccentric having a strap, a link connecting the strap and block, and means for partially rotating said eccentric.

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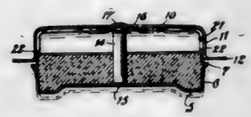
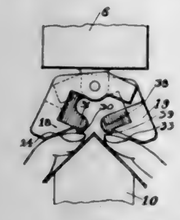
1,561,330. BOX CLOSURE. ARTHUR HENRY KELLER, Pleasantville, N. J. Filed Aug. 18, 1924. Serial No. 732,853. 6 Claims. (Cl. 220—43.)



1. In a box closure, a cover for the box, a strap member carried by the cover and adapted to engage the edge of the open side of the box whereby upon flexing of the cover the strap owing to its engagement with the box, forces the box from the cover.



1,561,331. BOX-MAKING MACHINE. OWEN W. KENNEDY, Boylston, Mass. Filed Feb. 26, 1923. Serial No. 621,280. 18 Claims. (Cl. 192—137.)



1. In a machine of the class described, cooperating pressing elements, one of which comprises a member turnable about a pivotal axis and provided with work engaging portions on opposite sides of said axis whereby said member is capable of exerting pressure only upon engagement of its work engaging portions with the other of said elements, or with work supported between said elements.

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1,561,332. PUNCTURE-CLOSING COMPOSITION. THOMAS E. LAW, Mesa, Ariz. Filed Feb. 24, 1925. Serial No. 11,383. 2 Claims. (Cl. 134—17.5.)

1. A puncture closing composition for pneumatic tires consisting of ground asbestos, pulverized slippery elm bark, and water in such proportions as to permit introduction into the tire.

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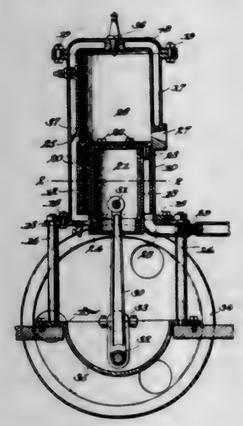
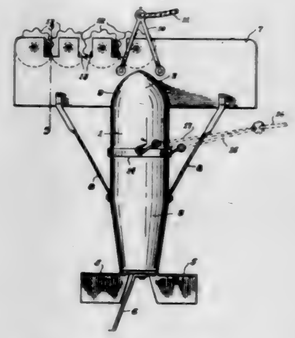
1,561,333. TWO-CYCLE INTERNAL-COMBUSTION ENGINE. GEORGE LAWSON and RICHARD C. LENT, Jr., Brooklyn, N. Y. Filed May 11, 1923. Serial No. 638,298. 1 Claim. (Cl. 123—74.)



In an explosive engine, an open base, and an inner cylinder open at both ends and provided with an annular flange at its lower end, a plurality of stanchions rising from said base and connected with said flange for supporting the same, an outer cylinder provided with a flange at its lower end and bolted to the flange of said inner cylinder, a pair of spaced pistons movable simultaneously within said inner and outer cylinders in the same direction, the space between said cylinders constituting a compression chamber, means for removably securing said pistons together, and a removable head secured to the top of said outer cylinder whereby the removal of said head will permit withdrawal of said pistons through the top of said outer cylinder.

1,561,334. MINE-RELEASING DEVICE. HARRY J. LEIBLE, Philadelphia, Pa. Filed Oct. 8, 1924. Serial No. 741,499. 1 Claim. (Cl. 114—240.)



In a mine releasing device, a cylindrical body, tail fins thereon, a bow fin, a towing cable, connected to the bow fin, and a plurality of rotary cutters carried at the forward edge of the bow fin, said cutters having serrated perimeters; the cutting perimeters with one cutter overlapping the cutting perimeter of the cutter next thereto, said bow fin being recessed beneath the overlapping portion of the cutters, a strap about said body, and a guiding cable connected to said strap.

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1,561,335. AIRPLANE FRAMEWORK AND METHOD OF MAKING THE SAME. WILLIAM A. LORENZ, Hartford, Conn. Filed Apr. 20, 1921. Serial No. 462,796. 3 Claims. (Cl. 18—55.)

1. The method of forming a structural piece from vulcanized fiber which consists in shaping the piece to approximate form while the stock is in a soft state, slitting the edges of said piece parallel to the plane of its sides, turning the parted edges outwardly to form flanges and holding the piece thus shaped under pressure until it has hardened and set.

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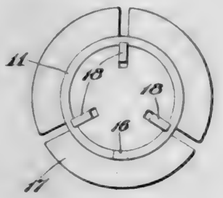
1,561,336. METHOD OF PRODUCING PISTON RINGS. JOHN F. MCGLENN, Harvey, N. Dak. Filed Nov. 25, 1924. Serial No. 752,180. 2 Claims. (Cl. 29—156.6.)



1. The method of producing piston rings consisting in providing a solid ring of greater exterior diameter and

less interior diameter than the ring finally to be produced, splitting the ring and removing material in forming the split of such quantity that when the ends of the split are drawn together the external diameter of the ring is still greater than the external diameter of the ring to be produced, securing such ends together by a securing element lying wholly within the surfaces of the ring thus produced and finishing the exterior surface of the ring to the diameter of the ring to be produced with the ends so secured and removing the securing means by the finishing of the interior surface of the ring.

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1,561,337. QUICK-RELEASE SAFETY HOOK. THOMAS FRANCIS MADIGAN, Beness, via Leeton, New South Wales, Australia. Filed Aug. 30, 1924. Serial No. 735,103. 3 Claims. (Cl. 24—242.)

1. A quick release safety hook comprising two complementary hook-shaped body members and two U shaped springs which embrace and flexibly clamp such body members together.

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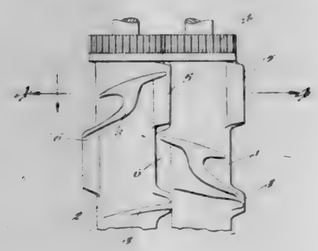
1,561,338. SNAPPING ROLL. JOHN E. MALMBERG, Lee, Ill. Filed Oct. 10, 1924. Serial No. 742,862. 1 Claim. (Cl. 130—5.)



The combination with a plurality of snapping rolls arranged in parallel relation and spaced from each other, of cams arranged upon opposed sides of said rolls and extending longitudinally thereof but out of transverse axial alignment relative to the other and the cams on the adjacent rolls being disposed in longitudinal alignment at the passing point of said cams.

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1,561,339. STAND. EMILIO A. MARAFFI, New York, N. Y., assignor to Electrolite Products Co., a Copartnership, Brooklyn, N. Y. Filed May 4, 1925. Serial No. 27,922. 12 Claims. (Cl. 131—51.)

1. A pedestaled receptacle comprising superposed receptacles, the upper receptacle having an opening in its lower end, a standard upon the upper end of which, the lower receptacle seats and means slidably mounted on the

standard and connected with the upper receptacle for supporting the same from the standard for vertical movement.

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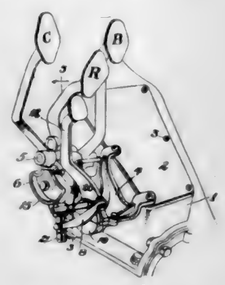
1,561,340. NEUTRAL DEVICE. CHARLES F. MARSTON, Brooklyn, N. Y. Filed Dec. 10, 1924. Serial No. 755,008. 6 Claims. (Cl. 74—81.)




1. The combination with a clutch pedal, a cam on the clutch pedal, a heel pedal having a fixed member thereon, a dog on the heel pedal adapted to engage the member on the cam and hold the clutch pedal in neutral position, and a pressure roller engaging the face of the cam and adapted to move the clutch pedal from neutral into high speed position when the dog is released from its holding position by the operation of the heel pedal.

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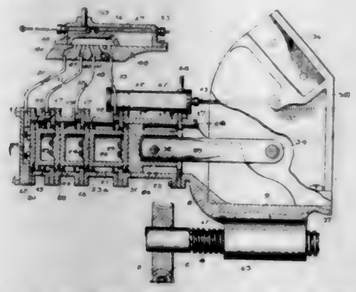
1,561,341. TAPERING MECHANISM. FREDERICK E. MARTIN, San Francisco, Calif., assignor to Martin Air Dog Company, San Francisco, Calif., a Corporation of California. Filed Nov. 19, 1923. Serial No. 675,706. 29 Claims. (Cl. 143—118.)

4. In mechanism for tapering a log on saw mill carriages, a head block having flanges, a slide movably supported on the head block, a knee movably supported on the slide and having guiding cooperation with the head block, operating means to impart taper adjustment to the knee on the slide and having a maximum limit of travel divided into a series of limited successive steps, each of which defines a taper adjusted position of the knee, and means for actuating the operating means throughout any desired number of such steps successively, said latter



means forming a cushion at each successive step actuation of the operating means to resist the thrust of a log against the knee.



12. In a saw mill carriage, a head block, a knee movable thereon for taper purposes, a cylinder, a series of pistons operating in the cylinder, said pistons being aligned in the cylinder and operating in the same direction and adapted in operation to impart respectively predetermined taper movements to the knee, and means independent of the pistons for returning the knee and the actuated piston to normal positions.

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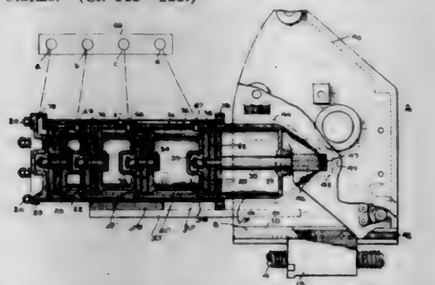
1,561,342. TAPERING MECHANISM. FREDERICK E. MARTIN, Berkeley, Calif., assignor to Martin Air Dog Company, San Francisco, Calif., a Corporation of California. Filed May 29, 1924. Serial No. 716,744. 25 Claims. (Cl. 143—118.)



1. In a saw mill carriage, a head block, a knee movable thereon for taper purposes, a cylinder carried by and movable with the knee above the head block, a series of pistons operating in the cylinder, said pistons being aligned in the cylinder and operating in the same direction to impart respectively predetermined taper movements to the knee, and means for selectively operating said pistons.

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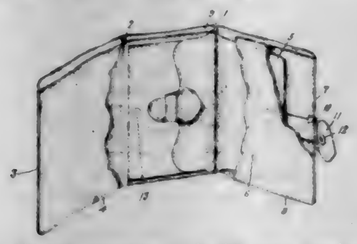
1,561,343. BILL FOLD. ALEXANDER HUGO MICHAELS, Brooklyn, N. Y. Filed Jan. 5, 1923. Serial No. 610,779. 9 Claims. (Cl. 150—38.)



1. A bill-fold comprising a flexible outer member, and a flexible inner member which is shorter than the outer member, said inner member being attached to the outer member along one end and along substantially one-third only of one side adjacent the end which is attached.

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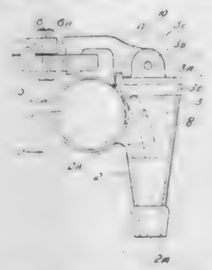
1,561,344. PULSATOR FOR MILKING MACHINES. SAMUEL MILLAR, Dunedin, New Zealand. Filed Aug. 29, 1924. Serial No. 734,982. 3 Claims. (Cl. 31—61.)



1. In a pulsator for milking machines, a milk pipe, a tapered housing having communication with the milk pipe, a plug mounted for rotation in the housing and formed with a peripheral recess adapted in one position of the plug to establish communication between the interior of the housing and the milk pipe, a rod mounted adjacent and moving longitudinally of the milk pipe, and means connecting said plug and rod wholly beyond the housing and milk pipe for rotating the plug in the housing to control the communication between the milk pipe and the housing.

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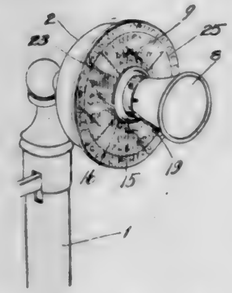
1,561,345. TELEPHONE ATTACHMENT. VOLNEY T. MILLER, Kansas City, Mo., assignor to American Telephone Advertising Company, Kansas City, Kans., a Corporation of Kansas. Filed Mar. 27, 1922, Serial No. 547,174. Renewed Apr. 10, 1925. 6 Claims. (Cl. 179—178.)



1. In combination with the sound box of a telephone transmitter, a stop pin carried thereby, a disk having a rim overlapping the edge of the sound box and provided with a notch engaged by the stop, the disk having a central opening co-axial with the opening in the sound box, and means for clamping the disk about the edge of the opening in the sound box, said means also serving as a support for the mouthpiece of the telephone transmitter.

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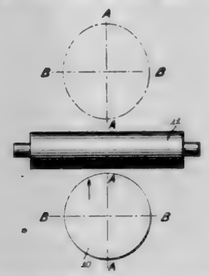
1,561,346. MANUFACTURE OF ROLLED METAL DISKS. FOSTER MILLIKEN, Lawrence, N. Y. Filed Dec. 4, 1920. Serial No. 428,331. 3 Claims. (Cl. 80—16.)

2. The herein described method of producing a rolled metal disk of uniform thickness throughout which consists passing a cast circular disk between a pair of rollers for subjecting the disk to the rolling action of said

rolls to reduce the disk and elongate it in one direction, then giving a quarter turn to the disk and again pass it



between said rollers for again subjecting the disk to rolling action of said rolls to elongate the disk in another direction.

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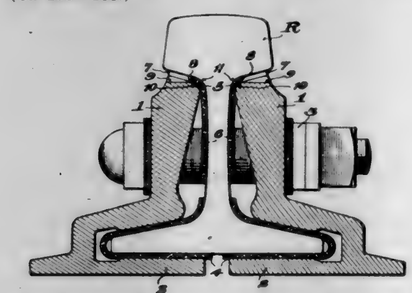
1,561,347. INSULATED RAIL JOINT. ERNEST MUEHLECK, Brooklyn, N. Y., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed May 4, 1925. Serial No. 27,924. 7 Claims. (Cl. 238—155.)



5. An insulated rail joint including a joint bar having a clearance recess in the central part of its head and a head unit of insulation having a cut away portion over said recess.

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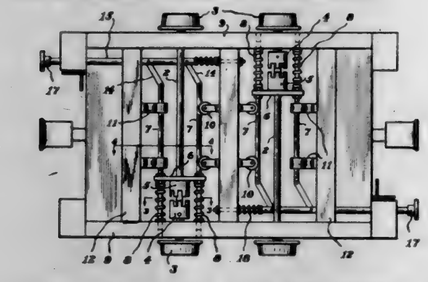
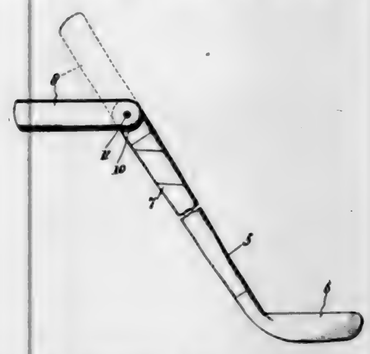
1,561,348. SAFETY BRAKE FOR MINES. RICHARD L. MUGFORD, Minersville, Pa. Filed Feb. 12, 1924. Serial No. 692,339. 2 Claims. (Cl. 188—111.)



1. The combination with a car body including a rotatable axle and supporting wheels thereon, of a clutch section keyed to the axle, a movable clutch section slidable on the axle for braking engagement with the first named clutch section, a pair of operating rods connected to said movable clutch section, a plate connecting said movable section section to said operating rods for moving the braking clutch section and holding it against rotation, a contact operated rod, links connecting said contact operated rods to said first named operating rod, and a bumper, on said contact operated rod.

1,561,349. GOLF CLUB. CLARENCE B. MURPHY and JAMES T. SWANN, Tampa, Fla. Filed June 23, 1923. Serial No. 647,316. 1 Claim. (Cl. 273—80.)



A golf club comprising a shaft, a club head on the lower end of the shaft extending at an angle laterally therefrom, a separate handle for the upper end of the shaft, and a pivot connecting said handle to the shaft and with its axis lying in a plane at right angles to the plane of said club head, said pivot maintaining said handle for adjustment into coaxial relation with the shaft and permitting said handle to be swung at an angle to the shaft and in the plane of said club head, said handle being adapted to swing from said shaft in a direction opposite from said club head, whereby said handle may form a pivotal support in one hand upon which the shaft may be swung by the other hand in use of the club.

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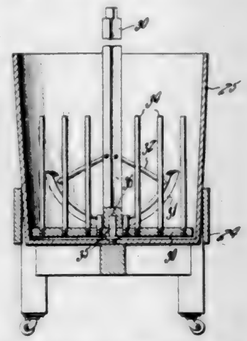
1,561,350. CANDY-MIXING MACHINE. PETER NICHOLAS, Medicine Hat, Alberta Canada. Filed June 14, 1924. Serial No. 720,052. 3 Claims. (Cl. 259—108.)



2. In a device of the character described, a receptacle provided centrally of its bottom with an upstanding bearing member, and agitating means including a member formed of arms arranged in intersecting relation and journally engaged with said bearing member, upstanding rods carried by said arms, an elongated shank member journaled centrally of said arms and carrying arcuate shoes arranged in intersecting relation about said arms.

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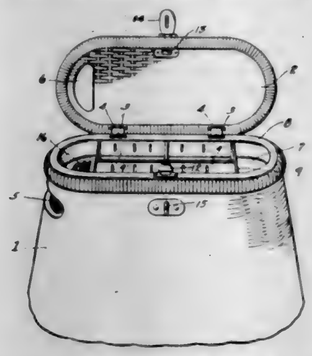
1,561,351. FISH BASKET. FREDERICK J. NIELSEN, Seattle, Wash. Filed Feb. 18, 1924. Serial No. 693,502. 2 Claims. (Cl. 43—31.)

1. In combination, with a fish basket having a hingedly mounted cover and an opening therein for the reception of fish, a detachable tray disposed within said basket beneath the cover with an opening therethrough in registration with the cover opening, said tray having a



peripheral flange to seat upon the edge of the basket and provided with slots adapted to detachably receive the hinge of said cover.

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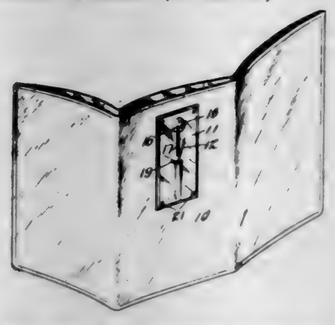
1,561,352. BILL-FOLD PROTECTOR. DANIEL M. PARKINSON, Dayton, Ohio. Filed Oct. 20, 1924. Serial No. 744,757. 3 Claims. (Cl. 150—47.)



1. An attachment for pocketbooks comprising a body having a recess in its rear face, a passage extending from said recess to the front face of said body said body having a slot in its front face joining said recess, a slide in said recess, a piercing element carried by said slide and extending through said passage, and a manipulating element carried by said slide and extending through said slot, substantially as set forth.

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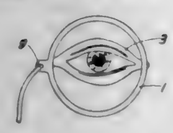
1,561,353. INFLATABLE TOY EYE. ARTHUR PEEL, London, England. Filed Dec. 14, 1923. Serial No. 680,706. 6 Claims. (Cl. 46—40.)



1. In a toy eye, a pupil formed of extensible material, means for distending said pupil, and means for supporting the pupil in position to overlie the human eye.

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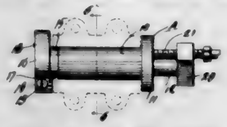
1,561,354. MAIN-BEARING-CAP FACER. HOMER O. PENCE, Spring Valley, Wis. Filed June 16, 1924. Serial No. 720,440. 3 Claims. (Cl. 82—4.)

1. A bearing cap facer comprising a hollow cylindrical body for receiving the bearing cap to be re-faced, a stop flange formed on one end of the body, a head rotatably carried by the other end of the body, a re-



facing knife carried by the head, means for adjusting the head relative to the end of the cap to be re-faced, and means for rotating said head.

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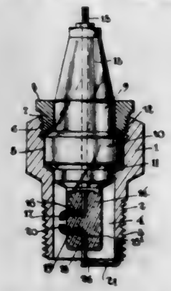
1,561,355. SPARK PLUG. WILLIAM R. POLSON and WILLIAM GRANT, Bruneau, Idaho. Filed June 20, 1924. Serial No. 721,287. 1 Claim. (Cl. 123—169.)



A spark plug comprising, a shell, a body of insulation therein having the lower portion formed to provide an elongated cylindrical body of relatively small diameter and wholly within said shell, an electrode within said body formed into an upper and a lower portion, the lower end of the upper portion being bent at right angles to extend through and beyond the side of said elongated body and the upper end of the lower portion being bent at right angles to extend through and beyond the side of the body parallel with the first mentioned bent portion, the outer ends of said bent portion being in spaced relation to provide sparking points, and a ground electrode spaced from the lower end of said lower portion to provide a second sparking point.

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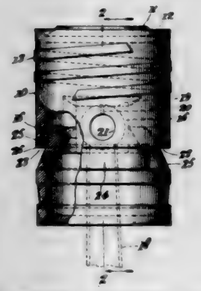
1,561,356. PISTON FOR INTERNAL-COMBUSTION ENGINES. CARL GUST PETTS, Milbank, S. Dak. Filed Apr. 21, 1924. Serial No. 707,963. 1 Claim. (Cl. 74—108.)



A piston for internal combustion engines comprising a cylindrical hollow body provided in opposite sides and intermediate its ends with a pair of inwardly projecting wrist pin bearings, said piston also having a pair of diametrically opposed and circumferentially elongated slots, said slots inclining downwardly through the opposite walls of the piston and extending entirely through the walls, the upper ends of the slots terminating substantially in the transverse plane of the pis-

ton in which the axis of the wrist pin bearing lies, the piston further provided on its inner side with upstanding flanges extending across the upper sides of the wrist pin bearings at their inner ends and merging into the inner walls of the piston to provide between the same and the flange pockets, to trap oil flowing downwardly against the inner walls of the piston and adjacent the wrist pin bearings, said bearings also having channels therethrough leading from said pockets for lubricating the surface of said wrist pin bearings, the lower walls of said downwardly inclined slots of said piston extending upwardly therein to catch oil flowing downwardly over the inner sides of the piston between said flanges for conducting the oil to the exterior of the piston below the wrist pin bearings, said piston also having an external annular groove leading into the lower ends of said slots for distributing oil passing downwardly through the slots.

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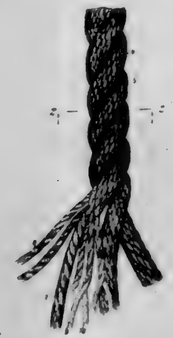
1,561,357. CORDAGE STRUCTURE. FELIX RIESENBERG, Tuckahoe, N. Y. Filed Apr. 24, 1923. Serial No. 634,328. 1 Claim. (Cl. 117—52.)



A rope comprising a plurality of strands twisted together in one and the same direction, each strand comprising a core of elements twisted together in a twist opposite to the twist of said strands, and a covering for each core, said covering comprising elements twisted together in a twist similar to the twist of the elements of said core, the elements of each core constituted of fibers twisted together in a twist opposite to the twist of the elements of the core, the elements of the covering constituted of yarns twisted together in a twist opposite to the twist of the elements of said covering, and said yarns constituted of fibers twisted together in a twist opposite to the twist of said yarns.

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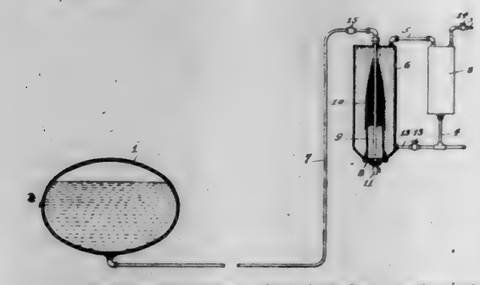
1,561,358. AUXILIARY FUEL TANK FOR AUTOMOBILES. CHARLES L. SARNELLE, Brooklyn, N. Y. Filed Apr. 10, 1923. Serial No. 631,137. 4 Claims. (Cl. 158—46.5.)



1. A fuel supply system which includes a main tank, a vacuum tank, and an auxiliary tank, a conduit leading from the main tank to the bottom of the auxiliary tank, a conduit leading from the top of the auxiliary tank to the top of the vacuum tank, a conduit leading from the top of the vacuum tank to a source of suction, a conduit leading from the bottom of the vacuum tank to an engine, and a conduit leading from the bottom of the auxiliary tank to the conduit which leads from the bottom of the vacuum tank.

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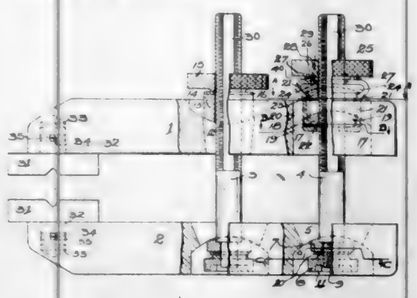
1,561,359. PARALLEL CLAMP. LEO W. SCHLEICHER, Detroit, Mich. Filed Jan. 29, 1925. Serial No. 5,615. 6 Claims. (Cl. 144—300.)



1. Parallel clamps comprising an upper and a lower clamping bar, slots through said upper clamping bar having wider and narrower portions, a curved surface at the end of each wider slotted portion contiguous to its narrower slotted portion, blocks having a curved side corresponding to the curved surface of said wider slotted portions and adapted to bear thereon, adjusting screws passing through said blocks and mounted in the lower clamping bar, and a nut on each of said adjusting screws.

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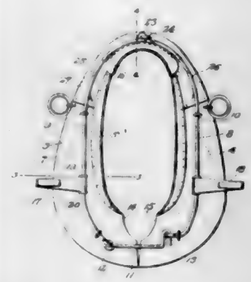
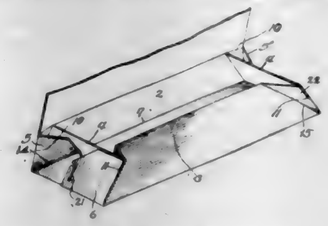
1,561,360. HORSE COLLAR AND HAME. GEORGE SCHREINER, New Orleans, La. Filed May 14, 1925. Serial No. 30,349. 3 Claims. (Cl. 54—18.)



2. A combined horse collar and hames comprising collar members adapted to open at their lower ends and having their upper ends terminating short of the top part of the collar, a tubular flexible piece engaged about the upper ends of said collar members for flexibly joining the same together, a flexible strip secured over said piece and terminating short at one side thereof, a flexible yoke piece secured to said first mentioned piece and having one edge extending up over the side of the piece and forming a trough with said strip, hame rods secured to said collar members and having their upper ends lying in said trough, the upper ends of said members being hinged together, and means for releasably connecting the lower ends of said hame members.



1,561,361. BOX OR CARTON. HENRY F. SCHURMANN, Wilmette, Ill., assignor to W. A. Schurmann & Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 6, 1922. Serial No. 605,146. 1 Claim. (Cl. 229—41.)



A collapsible box or carton formed from an integral folded blank and comprising bottom, front and back walls, rectangular end sections on said bottom extending the full width thereof, said sections being uncreased, the said end sections thereby retaining a relatively rigid character to brace the end structure of the box, a flap on each end of said front and back walls, each front flap being adapted to overlap the corresponding rear flap outside of said end sections, means for fastening said overlapping flaps to the adjacent end section near the center thereof, an oblique crease in each of said rear flaps, the front flaps being uncreased, and an oblique crease at each end of said front wall, whereby when said box is folded the front wall will be folded inwardly to form a triangular portion at each end lying between the adjacent end section and the bottom, the remainder of said end sections being in contact with the bottom.

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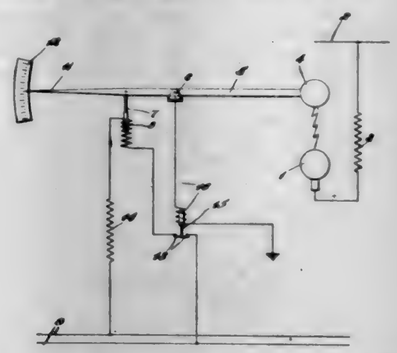
1,561,362. CREST VOLTMETER. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1920. Serial No. 430,562. 11 Claims. (Cl. 171—95.)



8. A measuring instrument comprising variable space-gap terminal means, means for giving an indication in accordance with the length of said gap and means responsive to the voltage across the gap for increasing the length of the gap until said voltage attains a peak break-down value.

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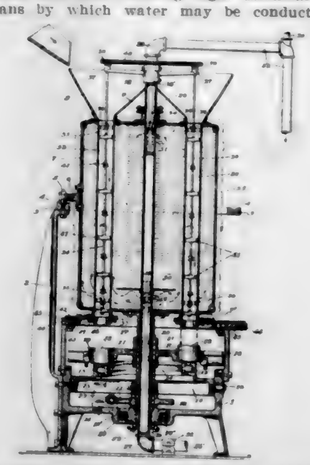
1,561,363. COOKER. ALICE MAUD SMITH, Portland, Me. Filed Oct. 24, 1924. Serial No. 745,707. 6 Claims. (Cl. 99—2.)

3. In a cooker, a cylindrical vessel with perforate heads, the axis of said vessel being vertically disposed, tubes closely fitting said perforations in said heads and extending through said vessel from head to head thereof, means surmounting said vessel whereby a storage space for food may be had, said space to be in direct communication with the open ends of said tubes, shafts located within and on the axes of said tubes, paddles, at spaced intervals, on said shafts, with blades having inclined faces and their entering edges downwardly disposed, means by which water may be conducted into



said vessel and around said tubes, means whereby said water may be conducted out of said vessel, means for rotating said vessel on its axis, means for rotating said shafts and valves beneath and in alignment with said tubes.

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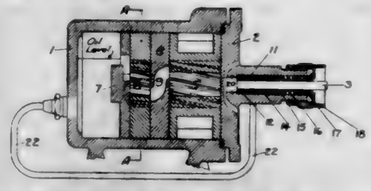
1,561,364. COMPRESSOR GLAND. HAZOR JUDSON SMITH, Springfield, Mass., assignor, by mesne assignments, of one-fourth to Willard Reid, Springfield, Mass.; one-fourth to Alfred Buckley, jr., Providence, R. I.; and one-fourth to John W. Scott, Philadelphia, Pa. Filed Nov. 18, 1922. Serial No. 601,800. 1 Claim. (Cl. 230—30.)



In a multiple stage compressor of the type described, a plurality of pairs of meshing gears, each pair of gears from low to high having less volumetric capacity than the preceding pair, mounted on two parallel shafts, one of which is the drive shaft to which the gears are radially fixed, a gland, said drive shaft provided with an oiling lantern adjacent the inner end of said gland and fed with oil at high pressure, a shoulder on the drive shaft at the inner end of said gland, a ring on the shaft within the stuffing box of the gland and resting against the shoulder on the drive shaft so as to overlap said shoulder, a mass of packing surrounding the shaft, a spring actuated aligning ring pressing against the packing and forcing said first mentioned ring into overlapping relation against said shoulder of the drive shaft, an adjustable gland block, and means maintaining a high pressure acting to press the shoulder of the drive shaft against said first mentioned ring.

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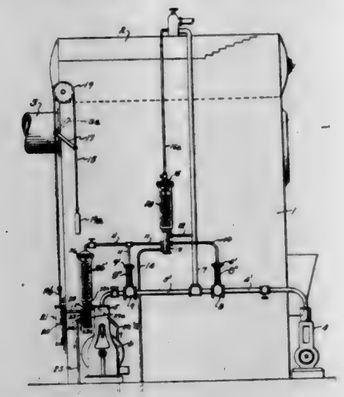
1,561,365. PRESSURE REGULATOR. JOSEPH M. SMITH, Detroit, Mich. Filed July 2, 1923, Serial No. 649,176. Renewed Sept. 16, 1925. 12 Claims. (Cl. 236—85.)

1. In a boiler pressure regulator, the combination with an appliance influencing the furnace temperature of a

boiler, of a hydraulic motor controlling said appliance, valves respectively controlling the delivery and exhaust of water from said motor, a steam pressure line sub-



jecting one of said valves to a controlling pressure, and means for admitting or exhausting steam to and from said pressure line according as the boiler pressure varies.

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1,561,366. FUSE. WALTER O. SNELLING, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed Mar. 2, 1925. Serial No. 12,795. 25 Claims. (Cl. 102—8.)

1. Fuse comprising a powder core, and a waterproofing cover for said core including a substance tending to vulcanize with increasing temperature.

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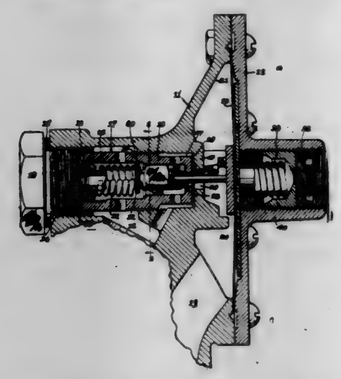
1,561,367. VALVE. CHARLES C. SPREEN, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, a Corporation of Michigan. Filed Aug. 4, 1924. Serial No. 729,940. 1 Claim. (Cl. 50—23.)



An expansion valve comprising: a casing provided with an interior wall separating the space interiorly of said casing into an inlet chamber and an outlet chamber and pierced by an aperture adapted to afford communication between said chambers, one of said chambers comprising an elongated tubular recess alined with said aperture; a valve unit comprising a frame carrying the entire unit, of substantially even cross section throughout, removably positioned within said recess with its forward end abutting said wall and overlying said aperture, and provided with a bore communicating with said aperture and terminating in a valve seat, a valve head reciprocably mounted in said frame and arranged to close said valve seat and removable through the rear end of said frame, an adjustable abutment mounted in the said rear end of said frame, and a spring tensioned between said valve head and said abutment with its tension adjustable by adjustment of the position of said abutment; and a plug closing the outer end of said recess removable to permit bodily removal of said unit.

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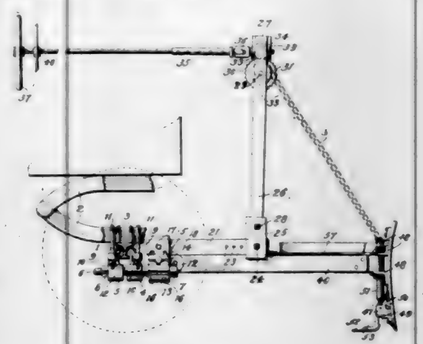
1,561,368. MOTOR-VEHICLE ATTACHMENT. RALEIGH H. STALEY, Springfield, Ill., assignor to The Baker Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Jan. 3, 1921. Serial No. 434,542. 16 Claims. (Cl. 37—42.)



1. In combination with a motor vehicle, a longitudinally extending bar connected to the vehicle, a vertical frame carried by the bar, a hoisting drum carried by the frame, and means for operating the drum.

8. In combination with a motor vehicle, a sub axle detachably connected to the vehicle axle, castings carried by the sub axle and transversely adjustable thereon, bars pivotally connected to the castings for vertical swinging movement, and a scraper connected to the bars.

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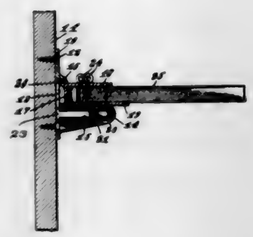
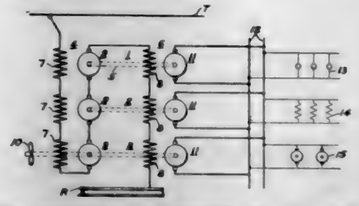
1,561,369. CLOTHES DRIER. JOHN J. STEVENSON, Muskegon, Mich. Filed Jan. 16, 1925. Serial No. 2,803. 2 Claims. (Cl. 68—34.)



1. A device of the character described comprising, a base member having an opening therethrough, a forwardly and downwardly directed lip at the top edge of said opening, longitudinally slotted spaced arms extending from said base one on each side of said opening and having the slots therein merging with said opening, rack bars, a holder for said bars, a lug at the rear of said holder adapted to engage under said lip, spaced depending ears carried by said holder, and a rod having a head upon each end, carried by said ears and engageable in said slots, the heads of said rods bearing against the outer faces of said arms.



1,561,370. MOTOR-GENERATOR SET. NORMAN W. STORER, Pittsburgh, and RALPH E. FERRIS, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 14, 1923. Serial No. 645,240. 6 Claims. (Cl. 171—224.)



1. The combination of plurality of motor-generators, each motor-generator comprising a motor and a dynamo-electric machine mechanically coupled thereto, the armatures and field windings of said motors and the field windings of said dynamo-electric machines being connected in series relation across a source of supply, and the armatures of said dynamo electric machines being connected in parallel circuit relation to secure equal load distribution between the individual motors.

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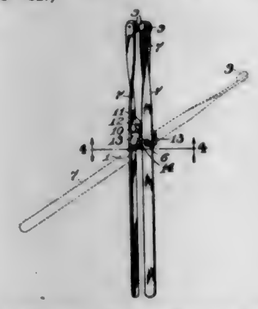
1,561,371. ADJUSTABLE STAND. CECIL H. STRUPE, Indianapolis, Ind., assignor to Leedy Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Jan. 22, 1923. Serial No. 614,186. 6 Claims. (Cl. 248—41.)



1. In a stand the combination with a pivot block having a plurality of substantially vertical sides and a plurality of legs pivotally secured to said sides, of a plurality of stops on said block for limiting the movement of said legs on said pivots toward a horizontal position, said stops being vertically adjustable on said block to vary the angular position of the legs.

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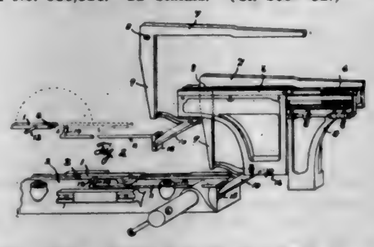
1,561,372. SAFETY ATTACHMENT FOR LINOTYPES AND INTERTYPES. HERMAN T. SUNDSTROM, Houston, Tex., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Sept. 5, 1922. Serial No. 586,314. 11 Claims. (Cl. 199—52.)



1. In a device of the character described, the combination with a channel along which matrices travel to the molding disc of an assembling elevator provided to carry said matrices into alignment with said channel, a locking mechanism adapted to contact against the matrices while in said elevator, and stop them before they enter said channel, and a first elevator filling piece which, when in active position, operates to hold said mechanism in locked position.

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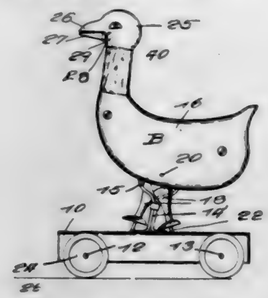
1,561,373. TOY ANIMAL. CLIFFORD I. SWEET, Sterling, Ill. Filed May 16, 1923. Serial No. 639,370. 3 Claims. (Cl. 46—45.)



1. A toy of the character described comprising a body having the form of an animal, a head separate from the body and provided with a pivoted member, legs pivoted to the body, a platform upon which the body is supported, wheels and axles for the platform operatively connected to the legs to oscillate them, a rod extending downward from the head and into the body, operative connections betwen said rod and one of said legs whereby an oscillation of the leg will cause the vertical movement of the head, and means operatively connecting the body and the pivoted member on the head whereby to cause an oscillation of the pivoted member as the head is raised and lowered.

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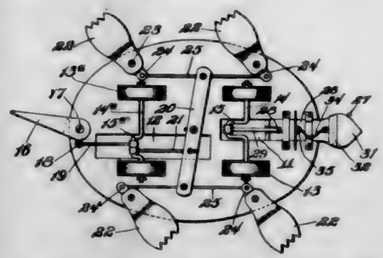
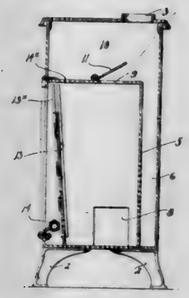
1,561,374. ANIMAL TOY. CLIFFORD I. SWEET, Highland Park, Ill. Filed Nov. 15, 1924. Serial No. 750,086. 2 Claims. (Cl. 46—45.)



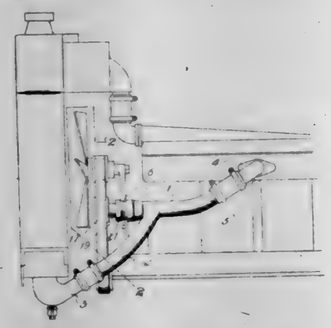
1. An animal toy of the character described comprising a body, shafts mounted upon the under face of the body at the forward and rear ends thereof and carrying wheels, the shafts being cranked a longitudinally reciprocatable head at the forward end of the body having a neck slidably mounted upon the body, a connecting rod connecting the forward cranked shaft with said neck, legs pivoted upon the sides of the body for movement in an approximately horizontal plane, a tail pivoted upon the rear end of the body for lateral oscillation, a lever pivoted upon the under face of the body, connecting rods connecting the ends of said lever with the inner extremities of the legs, and a connecting rod connecting the cranked rear shaft to the tail at one side of the pivotal point of the tail.

1,561,375. GAS HEATING STOVE. CORNELIUS L. TAYLOR, Huntington, W. Va. Filed Nov. 28, 1924. Serial No. 752,766. 3 Claims. (Cl. 126—86.)



1. A gas heating stove having an outer casing with means for the discharge of products of combustion therefrom, an inner chamber located within the outer casing and spaced from the back wall, end walls and top wall thereof and having wall openings adjacent to its bottom and also having a damper controlled opening in its top wall, a slab of refractory material forming the front of the lower portion of said chamber and exposed at the front of the casing and having its upper end spaced below the top wall of the chamber, and burner means in front of the lower portion of said slab.

1,561,376. WATER-CIRCULATING DEVICE. HERBERT F. THOMAS, Seattle, Wash., assignor to H. B. Jameson. Filed Sept. 20, 1922. Serial No. 589,432. 1 Claim. (Cl. 123—175.)



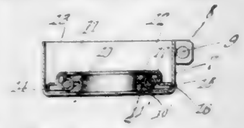
The combination with an internal combustion engine including a water circulating pipe, of a pipe fitting arranged in the water circulating pipe of a cooling system and having laterally disposed branches, one of such branches having one end threaded, a plug threaded in the latter and provided with a longitudinal bore, a shaft extending through the bore and provided with a water impelling blade at one end, a drive element fixed to the opposite end of the shaft and adapted to be driven from the engine, one end of the plug being reduced and formed with a many sided projection intermediate the ends of the plug, a horizontal bar supported from the engine and provided with a many sided notch in one end thereof which receives the projection, and a nut threaded on the reduced end of the plug and engaging the bar.

1,561,377. RAILWAY-TRACK GAUGE. WARD G. TRAVIS, Canton, Kans. Filed June 1, 1925. Serial No. 34,138. 1 Claim. (Cl. 254—44.)

A railway track gauge, comprising a stock member terminating at one end in a hook adapted to engage the tread or ball of a track rail, a stop formed on said stock at a point slightly removed from the other end thereof against which is adapted to abut the tread or ball of another track rail, a sleve slidably fitted on the stock and having a stop for cooperation with the hook, means carried by the sleeve for locking the same in an adjusted position upon the stock, a lever pivotally connected

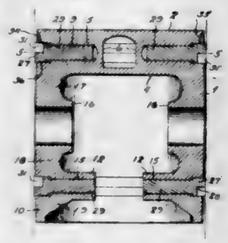
to the stock at the free end remote from the hook, and a nose formed on the lever and being curved downwardly and inwardly to engage the web of a track rail below the tread or ball thereof, whereby on the outward swinging of the lever the ball or tread of said rail will be forced against the stop integral with the stock.

1,561,378. OIL RETAINER. WILLIAM L. TRAUTNER and GEORGE H. TRAUTNER, St. Paul, Minn. Filed Sept. 18, 1924. Serial No. 738,515. 1 Claim. (Cl. 286—7.)



In a device of the character described, a housing, a retainer cap positioned within the housing, a grooved washer positioned within the housing and adapted to move within the retainer cap, a coiled spring positioned within the groove of the washer, a finger stamped from the retainer cap and having its side edges disposed longitudinally with the side faces of the washer, and said finger being disposed between the convolutions of the coiled spring.

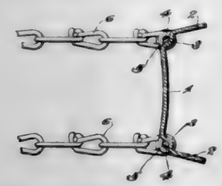
1,561,379. PISTON AND PISTON RING. WILFRED G. UNGER, Hagerstown, Md. Filed Aug. 9, 1924. Serial No. 731,220. 11 Claims. (Cl. 74—108.)



1. In a piston and ring structure, a body having a cylindrical intermediate portion and tapered end portions, the ends portions being formed to provide grooves, and rings seating within said grooves, the tapering of the end portions permitting automatic correction of misalinement.

1,561,380. MUD SHOE. HARRY L. VAN BRUNT, Hurst, Ill., assignor of one-half to Victor H. Burkhart, Hurst, Ill. Filed May 3, 1924. Serial No. 710,865. 4 Claims. (Cl. 152—14.)

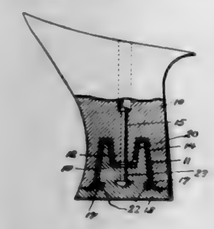
1. A mud shoe comprising a plate having its ends formed in radially extending flanges and further having an ear formed at the juncture of each flange with the body of the plate, a bolt mounted in each ear and means



having connection with similar ends of the bolts adapted to embrace a wheel felly and swingingly connect the felly to the other ends of the bolts.



1,561,381. DETACHABLE HEEL TREAD FOR SHOES. ROBERT A. WADE, Jersey City, N. J. Filed July 19, 1924. Serial No. 727,007. Renewed Sept. 12, 1925. 2 Claims. (Cl. 36—36.)

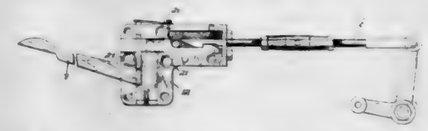


1. A heel structure comprising a heel body having an irregular-shaped socket therein, yieldable tongues located within the socket and conforming to the shape of the walls of the latter, inwardly offset extremities at the free ends of the tongues, a tread for the heel and a plug carried by the tread and conforming to the shape of the tongues, said plug having recesses to receive the offset ends of the tongues and hold the tread secured to the body, the shape of the plug coacting with the tongues to hold the tread against turning with respect to the body.

1,561,382. CONTAINER. GEORGE WALTERS, Ardenode, Alberta, Canada. Filed Apr. 11, 1923. Serial No. 631,410. 2 Claims. (Cl. 221—60.)

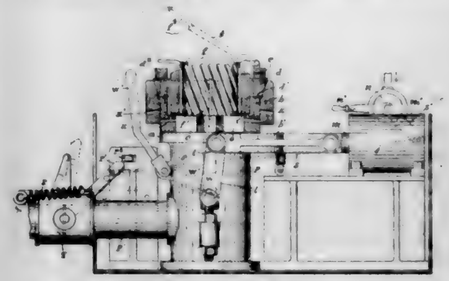
1. A tube holding device comprising a holding member having a tube-neck-receiving opening in one end and oppositely disposed slots extending longitudinally thereof, a flared portion formed on the opposite end, a removable cap associated with said flared portion and forming a closure therefor; a cover member adapted to receive the holder member, and means for effecting the releasable connection of the cover member to the holder member.

1,561,383. SAFETY APPLIANCE. JOSEPH R. WARNER, Syracuse, N. Y., and JOHN C. FOX, Mansfield, Ohio, assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 29, 1920. Serial No. 420,387. 6 Claims. (Cl. 192—131.)



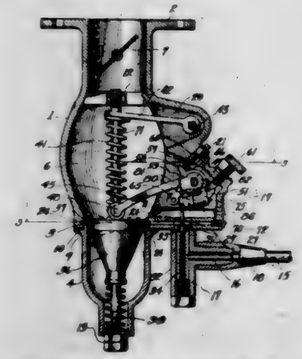
1. A control mechanism comprising a pair of operating levers, a latch bar for actuating a clutch member, a plurality of lock members associated with said latch bar and means for actuating said lock members.

1,561,384. QUENCHING APPARATUS AND PROCESS. JAY G. WEISS, Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 29, 1921. Serial No. 465,522. 17 Claims. (Cl. 148—2.)



1. In a process for hardening steel sleeves, heating the sleeve to the desired temperature, clamping the heated sleeves by pressure from clamping-sections upon numerous points upon the periphery of the sleeve, supplying a current of cooling fluid to the said sleeve and forcing the current longitudinally within the sleeve.

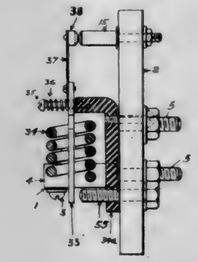
1,561,385. CARBURETOR. LEONARD A. WESTBO, county of Pierce, Wash. Filed June 9, 1921. Serial No. 476,181. 4 Claims. (Cl. 261—50.)



1. In a carburetor comprising in combination, a mixing chamber, an air inlet, a valve for controlling the flow of air through said inlet in accordance with the degree of vacuum produced in the mixing chamber, a valve movable to control the flow of fuel oil to the mixing chamber, a supporting shaft, a lever pivotally mounted on

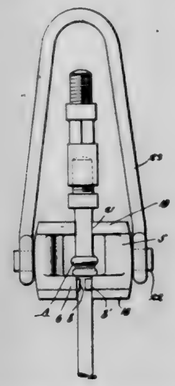
said shaft between its ends and having one end engaging and movable in accordance with the air-inlet valve, an adjustment piece pivotally mounted on the said shaft, a plate pivotally supported from said piece and engaged by the other end of said lever to be rocked thereby to actuate the fuel valve and an adjustment means for the adjustment piece whereby the effective movement of the plate may be varied.

1,561,386. ELECTRIC-CIRCUIT PROTECTOR. HAROLD E. WHITE, Montclair, N. J. Filed June 14, 1921. Serial No. 477,424. 13 Claims. (Cl. 200—88.)



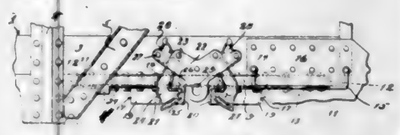
8. In an electric-circuit protector, the combination with an electromagnet having a movable core member associated therewith, of a member, adapted to lose its magnetism at a predtermined temperature, and to cooperate with the core member for normally holding the core member in an inoperative position, and means whereby current from the electric circuit of said electromagnet so heats said holding member that it loses its magnetism and permits the core to be moved to an operative position.

1,561,387. SAFETY SUCKER-ROD ELEVATOR AND WRENCH COMBINED. WILL N. WHITE and ROY OVERFIELD, Independence, Kans. Filed June 25, 1923. Serial No. 647,678. 2 Claims. (Cl. 294—91.)



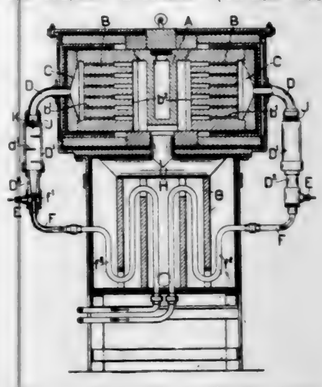
1. In a device of the character described, a body portion having a cut out portion formed in one wall, a plate removably secured to the body portion, a plate secured to the upper end of the body portion, movable jaws supported within the body portion, means forming a part of the body portion and adapted to engage the jaws to restrict inward movement of the jaws, and a locking member adapted to engage one of the jaws to lock the jaws against movement.

1,561,388. CAR-DOOR LOCK. WILLIAM E. WINE, Toledo, Ohio. Filed Dec. 20, 1924. Serial No. 757,129. 8 Claims. (Cl. 105—308.)



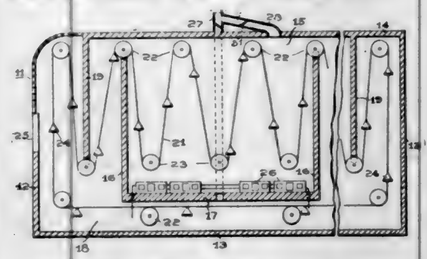
1. The combination with a gondola car, of a drop door therefor, securing means for said door comprising a plurality of hook engaging members and a plurality of hooks, and a unitary bracket for said hooks, said bracket having a portion interposed between said hooks, said portion being adapted to serve as supporting means for a door engaging member.

1,561,389. REFLEX OVEN. GEORG WOLLERS, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Feb. 7, 1924. Serial No. 691,326. 2 Claims. (Cl. 158—108.)



1. In a furnace for gaseous combustion known as surface combustion having a heat radiating burner consisting of refractory material and provided with a plurality of channels opening at the heat radiating surface thereof and a conduit for supplying a gas mixture to said burner, the combination with means for preheating the gas mixture before entering said burner of a mixing chamber arranged in said conduit and containing baffle means for whirling the constituents of the gas mixture.

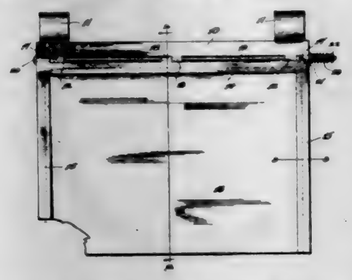
1,561,390. CONTINUOUS-CONVEYER BAKE OVEN. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 27, 1923. Serial No. 671,172. 6 Claims. (Cl. 34—12.)



1. In an oven, the combination with a plurality of walls enclosing a baking chamber, a return chamber located outside of said baking chamber, one of said walls having an opening therein for access into said return chamber and a heating means in said baking chamber, of means for causing air to flow into said return chamber through said opening.

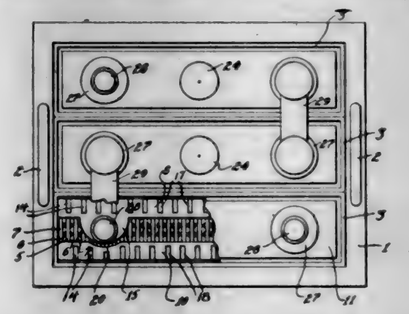


1,561,391. GLARE SCREEN. JOHN A. WRIGHT, Maquoketa, Iowa. Filed Jan. 17, 1923. Serial No. 613,202. 1 Claim. (Cl. 296—97.)



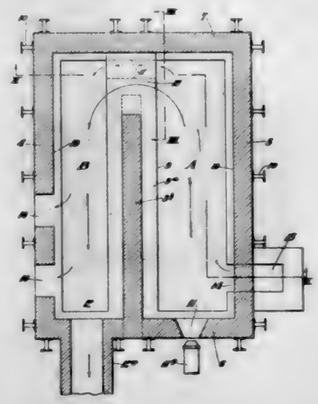
In a device of the character described, the combination of a screen comprising a frame provided at its ends with a pair of upstanding hinge lugs, a unitary hanger comprising an oblong bar provided at its upper edge with spaced suspension clamps and at its lower edge with a pair of depending hinge lugs fitting between and mating with the lugs of the frame whereby the bar is limited against endwise movement relative to the frame, the end edges of the bar and frame lying flush with each other, a hinge rod extending through said lugs swingingly connecting the frame with the bar and provided at one end with a head to contact corresponding end edges of the bar and frame, and spring pressed means upon the opposite end of the rod to contact the opposite corresponding end edges of the frame and bar.

1,561,392. SECONDARY BATTERY. HOWARD L. YOUNG and FREDERICK W. PLUMB, Shreveport, La. Filed Apr. 11, 1921. Serial No. 460,548. 1 Claim. (Cl. 136—170.)



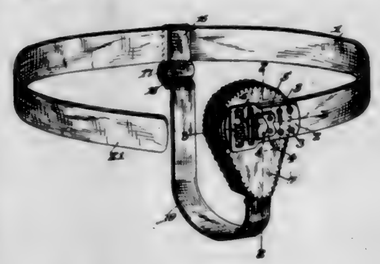
A battery cell comprising a jar, positive and negative plates snugly fitted in said jar and each having a projection at its upper end and at its outer vertical edge, nonconducting means interposing between the positive and negative plates, positive and negative straps arranged above the major portions of the plates and having kerfs in their outer edges receiving the said projections of the plates; each of said straps also having on its inner edge near one of its ends a lateral offset bearing an upstanding post and also having in its inner edge near its opposite end a recess opposite the lateral projection of the other strap, a lower cover superimposed on the said straps and receiving said posts, an upper cover receiving the said posts and spaced above the lower cover, and sealing material interposed between the said covers and also between the walls of the jar.

1,561,393. MELTING FURNACE. WILLIAM A. YUNG, Pittsburgh, Pa. Filed Apr. 15, 1925. Serial No. 23,289. 7 Claims. (Cl. 263—39.)



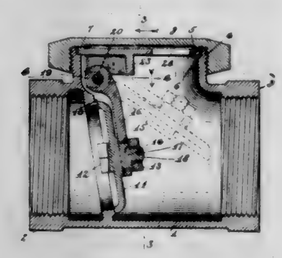
7. In a glass melting furnace comprising a rectangular body portion composed of a bottom wall, side walls, front and back end walls and roof, a dividing wall extending longitudinally of said furnace from end to end and bottom to roof forming two chambers, openings through said dividing wall adjacent one end for the passage of glass and the products of combustion from one chamber to the other, said side walls being offset outwardly intermediate their upper and lower edges and said dividing wall being materially thicker from its bottom upwardly to a point intermediate the bottom and roof of said furnace to thereby form relatively narrow flow paths for the molten glass and relatively wider flow paths for the products of combustion above the glass, and means for cooling the thicker portion of said dividing wall.

1,561,394. TRUSS. JOHN F. ZINK, Allegany, N. Y. Filed Oct. 8, 1924. Serial No. 742,414. 4 Claims. (Cl. 128—112.)



1. A truss comprising a waist band, a flexible laminated pad having its outer face secured against the inner face of one terminal portion of said band and having its laminations formed throughout of like material, said pad depending from said terminal portion, a flexible plate having its inner portion secured to and its outer portion free of the outer face of said terminal portion, a buckle carried by said free outer portion and coacting with the other terminal portion of the band to secure it in position, a breeching strap having its forward terminal portion anchored between a pair of laminations of said pad at the lower end thereof, and means for adjustably connecting the rear end of said strap to the rear of the band.

**1,561,395. CHECK VALVE.** EDWARD THAYER ADAMS, Binghamton, N. Y., assignor to The Fairbanks Co., New York, N. Y., a Corporation of New Jersey. Filed Sept. 2, 1924. Serial No. 735,447. 1 Claim. (Cl. 251—123.)



In a check valve, a casing having an externally threaded tubular enlargement extending substantially radially of the casing, a supporting or suspending ring mounted in said enlargement, and a cap having a threaded portion screwed onto said enlargement and an annular finished surface fitting against said ring near the outer edge thereof whereby a fluid-tight connection is presented and the ring is held against warping, said ring comprising an annular structure with a plurality of arms presenting a central spider structure, a depending wall extending from one of said arms, and apertured ears extending from said wall, said apertured ears being designed to receive a pintle pin.

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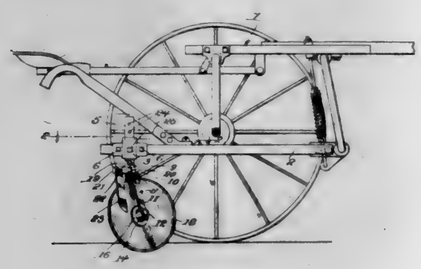
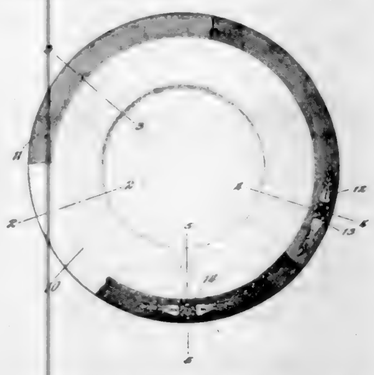
**1,561,396. COTTON CHOPPER.** WILLIAM M. BARNES, Holland, Mo. Filed Nov. 11, 1924. Serial No. 749,280. 1 Claim. (Cl. 97—11.)



In combination with a straddle row type of cultivators, of a means for converting the same into a cotton chopper, comprising removable and adjustable socket carrying brackets on the beams of the cultivator, rolling disks, supporting shanks therefor having lower rounded portion providing bearings for the rolling disk shafts, a bracket secured on each shank having a shouldered portion terminating in a downwardly rounded arm providing a bearing for the second end of the disk shaft, a plate resting on the angle portion of each bracket, each of said plates having an offset end to engage with the shank and with the connected portion of the bracket, a single element securing the plate to the said portion of the bracket and to the shank, said plate having an angled outer end, a scraper blade for the rolling disk rigidly secured thereon, and means for vertically sustaining the shanks in the sockets of the brackets on the cultivator beams.

**1,561,397. ORNAMENTAL GLASSWARE AND METHOD OF MAKING THE SAME.** JACOB BASS, New York, N. Y., assignor to E. & J. Bass, Inc., a Corporation of New York. Filed May 2, 1925. Serial No. 27,467. 7 Claims. (Cl. 41—34.)



4. The method of mounting glass jewels, or the like, on an article of glassware, which comprises, electro-plating a layer of metal into the glass, soldering a metallic object having a jewel recess, onto the layer of metal, electro-plating the object and layer to conceal the solder, and fastening the jewel into the recess.

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**1,561,398. COUPLER FOR TOY CARS.** HARRY S. BECKER, Chicago, Ill., assignor to American Flyer Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 30, 1925. Serial No. 19,428. 6 Claims. (Cl. 213—175.)

1. A coupler for toy cars comprising a latch unit having an elongated relatively narrow keeper slot arranged parallel to the direction of coupling, keeper means for automatically closing the entrance end of the slot, a pin unit, and a flat coupling pin adapted to enter said keeper slot edgewise.

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**1,561,399. SAFETY BELT FOR INFANTS.** ANNA L. BEGG, Seattle, Wash. Filed Nov. 8, 1923. Serial No. 673,479. 1 Claim. (Cl. 128—134.)

A device of the class described, comprising a relatively wide belt portion having ends adapted to secure it about the body, shoulder straps secured to the belt and attached to the belt at the front and back each with its end portions extended downwardly from the belt and joined together with one end portion extended considerably to provide tie straps at each side and a cross tie strap joining the shoulder straps in spaced relation across the back with its ends extended substantially at opposite sides.



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**1,561,400. DEVICE FOR PREVENTING THUMB SUCKING.** ANNA L. BEGG, Seattle, Wash. Filed Nov. 8, 1923. Serial No. 673,480. 1 Claim. (Cl. 128—133.)

A device of the class described, comprising a sleeve applicable to the arm with its upper end portions at the front and back extended to form elongated straps adapted to be secured together about the body, a lining for the sleeve stitched thereto about the lower end of the sleeve and longitudinally of the sleeve forming a plurality of pockets open at their upper ends and stiffening ribs located removably in said pockets.

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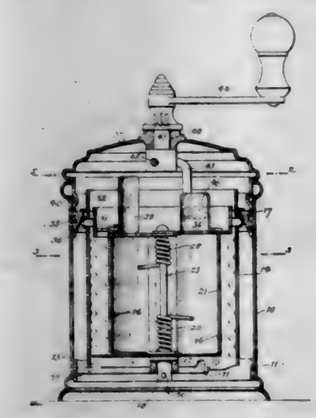
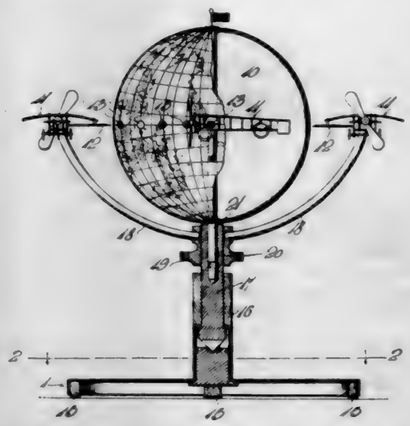
**1,561,401. GRATER.** MELCHIORRE BEMBINA, Palermo, Italy, assignor of one-half to Domenico Guido Vernaci, New York, N. Y. Filed Dec. 30, 1924. Serial No. 758,922. 11 Claims. (Cl. 146—61.)



1. In a grater, a casing, a grater member removably disposed in the casing, a container member disposed within the casing and having means for advancing material against the grater member, and means to move one member relatively to the other member.

**1,561,402. EDUCATIONAL GAME.** ARTHUR E. BERNWALL, Janesville, Wis. Filed June 18, 1925. Serial No. 38,046. 8 Claims. (Cl. 273—141.)



1. In a device symbolizing the world flyers, a terrestrial globe, miniature aircraft at the periphery thereof, and means mounting the aircraft for movement about the globe.

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**1,561,403. DRAPERY STRETCHING AND CUTTING DEVICE.** ALBERT W. BOTCHER, San Francisco, Calif. Filed Nov. 22, 1924. Serial No. 751,634. 1 Claim. (Cl. 164—79.)

In a device of the character described adapted to be attached to a table, a pair of channel members adapted to engage the opposite sides of a table, a cross piece extending between said channel members, supports mounted on said channel members, a rod extending between said supports, a plurality of holding elements pivotally supported on said rod, said holding elements having a plurality of fabric engaging points, and a second rod extending between said supports for the purpose of retaining said holding elements in inoperative position.

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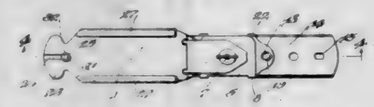
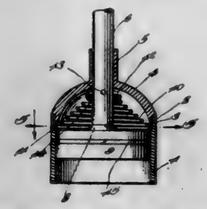
**1,561,404. BLADE HOLDER.** CARL M. BRENDEN, Laurel, Mont. Filed Sept. 29, 1924. Serial No. 740,666. 3 Claims. (Cl. 30—25.)



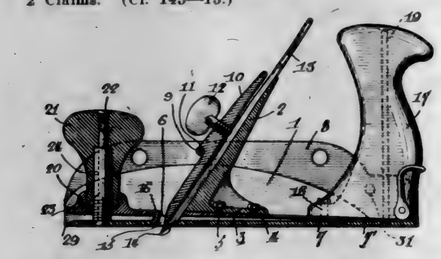
1. A blade holder including opposed handle members, blade holders pivotally connected to one end of said handles, means for moving said holders in clamping position, means for clamping a razor blade at either end of said holders and means whereby said handle members may be moved to dispose the blade between said handle members or extend the same from one end of the handles.

1,561,405. PLUNGER. JOHN H. BRYANT, Chicago, Ill. Filed Feb. 27, 1925. Serial No. 12,146. 3 Claims. (Cl. 68—5.)



1. A plunger including a cylinder having an annular groove therein adjacent one end, a piston mounted for movement in the cylinder, a rod having connection with the piston, a conical shaped spring member having one end seated within the groove and encircling the rod, a stop pin carried by the rod and a washer between the stop pin and the other end of the spring.

1,561,406. PLANE. JOSEPH CAISSE, Montreal, Quebec, Canada. Filed Dec. 26, 1924. Serial No. 758,290. 2 Claims. (Cl. 145—15.)

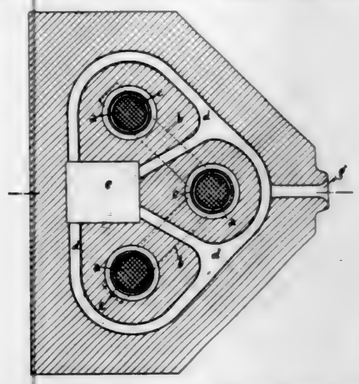


1. A plane comprising a body, means for securing a plane iron to said body, a sole disposed beneath said body, a pivotal connection between the body and the sole at one end thereof, a knob secured to said body at the opposite end, a hollow screw secured in said knob and threaded through the bottom of the body, and a pin extending from said sole through said screw and into said knob, whereby rotation of the knob varies the distance between the bottom of the sole and the plane iron securing means.

1,561,407. EXPANDING PLUNGER FOR OIL WELLS. CHARLES CARD, Breckenridge, Tex. Filed Apr. 9, 1924. Serial No. 705,288. 1 Claim. (Cl. 103—225.)

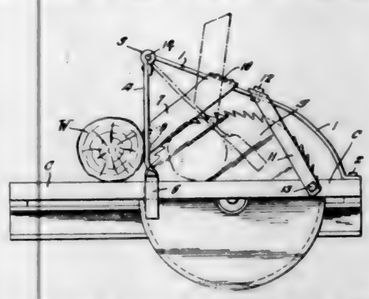
A well plunger having a member fixed thereon presenting a flaring formation and adapted to be expanded at its flaring portion and a sliding loosely fitting expanding sleeve on said plunger above said member, that end of the sleeve opposed to the flaring end of said member being bevelled to effect a wedging action and an expansion of the sleeve in the operation of the plunger in the working barrel of the well.

1,561,408. INDUCTION ELECTRIC FURNACE. RENÉ LOUIS CHARTIER, Paris, France, assignor to Compagnie Francaise des Metaux, Paris, France. Filed Aug. 21, 1923. Serial No. 658,616. 4 Claims. (Cl. 204—64.)



1. In a three-phase induction electric furnace comprising closed channels filled with molten metal which act as the secondary wires of induction transformers, and in which the channels form a circuit around each core of a primary, an arrangement wherein the portions of these circuits which are at the interior of the furnace are common to two contiguous circuits and have the same section as the portions of the circuits which are turned near the exterior of the furnace.

1,561,409. AUTOMATIC GUARD FOR CIRCULAR SAWS. JOSEPH C. CHLADEK, Mount Horeb, Wis., assignor of one-third to Roy A. Beat and one-third to John Beat, both of Mount Horeb, Wis. Filed Feb. 7, 1925. Serial No. 7,689. 6 Claims. (Cl. 143—159.)



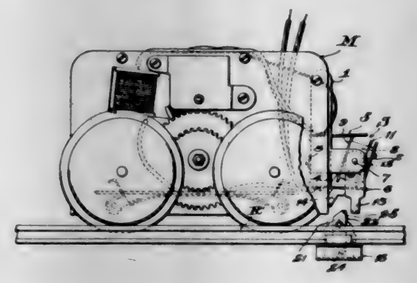
1. An automatic guard for circular saws, comprising a curved guard member adapted to be fastened to the saw frame and extending over the top of the exposed portion of the circular saw, a depending front guard member pivotally mounted to the forward end of said top guard member, said depending guard member having upset end portions bent at right angles to the main depending portions, and side guard strips attached to the depending end portions and connected to each other over the top of the top guard member, whereby to function both as guard elements and as weight elements to automatically return the front guard member to its normal guard position.



1,561,410. BRAKE ATTACHMENT. CHARLES H. COLE, Pueblo, Colo. Filed Feb. 13, 1925. Serial No. 8,998. 2 Claims. (Cl. 254—149.)

1. A brake attachment of the character described comprising a brake staff, fixed and rotatable pulleys arranged upon the lower end portion of the brake staff, a brake rod attachment including a pulley thereon, and a cable wound upon the pulleys and secured to one of the staff pulleys and brake rod whereby the brakes may be applied.

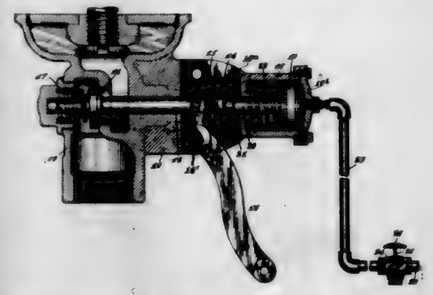
1,561,411. MOTOR AND HEADLIGHT CONTROL MECHANISM FOR TOY ELECTRIC LOCOMOTIVES. FRANK S. CULVER, Chicago, Ill., assignor to American Flyer Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 16, 1925. Serial No. 9,667. 13 Claims. (Cl. 104—149.)



5. A motor and headlight control mechanism for toy locomotives including in combination with the motor and a pair of headlights located at opposite ends of the locomotive, of a switch device electrically connected with the motor and with both headlights, and means located on the track for shifting said switch device thereby to simultaneously reverse the current to the motor and automatically illuminate and extinguish the headlights in accordance with the direction of travel of the locomotive, said switch device comprising a frame, a series of headlight control terminal elements carried by said frame and a series of motor control terminal elements also carried by said frame, and a shiftable switch device pivoted in said frame.

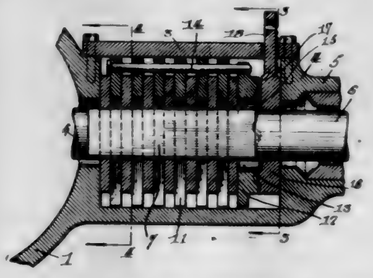
1,561,412. WHISTLE-OPERATING MECHANISM. GLENN L. DAVIS and FRANK W. LAMPTON, Springfield, Mo. Filed Dec. 3, 1924. Serial No. 753,696. 1 Claim. (Cl. 137—139.)

A valve operating mechanism, comprising, in connection with a valve body having a valve stem projecting therefrom and provided with a slot adjacent its outer end, a pair of relatively broad parallel spaced webs formed upon and extending from said body, one on each side of said slotted stem end, a cylinder mounted upon and connecting the outer ends of said webs, a piston in said cylinder, a stem carried by said piston and abutting, at its free end, said valve stem end, means for conveying power to said cylinder, a manually controlled lever having one end pivotally mounted between said webs, and



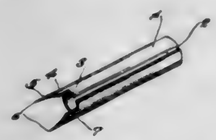
an extension carried upon said pivoted end and extending into and having free movement in the slot in said stem.

1,561,413. MULTIPLE-DISK BRAKE. ADÉLARD DESCARRIES, Montreal, Quebec, Canada. Filed Dec. 12, 1924. Serial No. 755,567. 5 Claims. (Cl. 188—172.)



5. A multiple disc brake comprising in combination with a shaft having a squared portion, a plurality of disks mounted on said squared portion to rotate therewith, yokes alternating with said disks and free from the shaft, a plate loosely surrounding said squared portion and having a corrugated face, a collar surrounding the round portion of the shaft and having a corrugated face, a pin passed through said plate and yokes, said pin lying outside the periphery of the disks, a housing enclosing said shaft and parts surrounding the shaft, said housing having a removable cover with a slot formed therein, an arm extending from said collar and passing through said slot, and a link attached exteriorly to said slot, and a link attached exteriorly to said arm for turning the collar relatively to the shaft.

1,561,414. NAIL SOCKET. JOHN L. DILLMAN, Lemont, Ill. Filed June 28, 1924. Serial No. 723,066. 1 Claim. (Cl. 248—37.)



A device of the character described including a split socket having one end thereof provided with oppositely disposed cut-away portions to form opposed shanks, the outer ends of said shanks being tapered to form penetrat-

ing prongs, the said edges formed on the sides of said shanks providing shoulders whereby to prevent rocking or tilting movement of the socket when the shanks are driven into the object.

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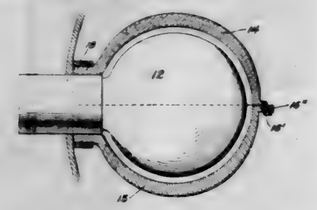
1,561,415. GLARE ELIMINATOR. LOUIS DRESNER, Bronx, N. Y. Filed Mar. 27, 1925. Serial No. 18,882. 2 Claims. (Cl. 240—48.6.)



1. A lamp attachment comprising a pair of separable shell sections, one of said sections being transparent and the other of said sections being apaque, co-acting means on one end of said members for hingedly connecting the same, neck portions formed on the other end of said sections, and clamping means encircling said neck portions for holding said sections in globular formation.

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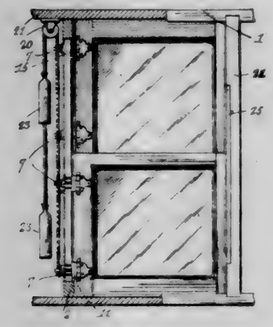
1,561,416. HINGED WINDOW. GEORGE DREW, Montreal, Quebec, Canada, assignor of one-half to Wilfrid S. Chandler, Montreal, Canada. Filed Apr. 25, 1925. Serial No. 25,933. 2 Claims. (Cl. 20—50.)



1. A window comprising a frame having a slotted pulley style, cord holders slidably mounted at the outer side of said style, hinges slidably mounted at the inner side of the style, attaching members extending from the hinges through the slots of the style and to the cord holders, sashes secured to said hinges, said cord holders each having a groove in its face, and pins extending from said hinges and received in said grooves.

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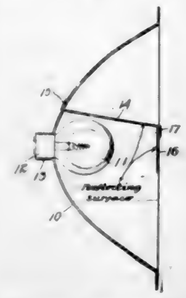
1,561,417. DEFLECTOR FOR AUTOMOBILE HEADLIGHTS. JOSEPH DROLL, Fostoria, Ohio. Filed Sept. 27, 1922. Serial No. 590,940. 2 Claims. (Cl. 240—48.2.)

1. In a headlight a parabolic reflector, a lamp supported by the reflector in the focal center thereof, an opaque partition arranged in the reflector above the lamp, said partition being of a shape to conform to the contour of the reflector and having a depending portion extending across its front, the ends of said depending portion being extended around the sides of the reflector to provide supports, said partition also being provided at its rear with a portion extending through the reflector for securing the same thereto, the underside of said partition and the inner side of the depending portion thereof



being polished to reflect the rays of light in a horizontal plane and downwardly upon the roadbed, substantially as set forth.

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1,561,418. TOOL FOR STRAIGHTENING TUBES. OSWALD DUDA, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a Corporation of Texas. Filed Jan. 26, 1924. Serial No. 688,829. 2 Claims. (Cl. 153—81.)

1. In combination in a tool for straightening tubes, a body having a screw threaded socket at its upper end, a member screwed into said socket for imparting rotary movement to the body, pockets in the body, rollers in said pockets exposed therethrough to bear on the tube to be straightened, a mandrel within the body on which the rollers bear, means for holding the mandrel against lengthwise movement relative to the body, said mandrel, body and member having aligned passage ways for flushing fluid at the axial center of the tool, said passage ways delivering the said flushing fluid at the lower end of the body, substantially as described.

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1,561,419. DRILL JAR. EDWARD J. DUNIGAN, Muskogee, Okla. Filed June 25, 1925. Serial No. 39,573. 3 Claims. (Cl. 255—27.)

1. A jar of the class specified comprising two duplicate link members each having a body with inwardly projecting reins with centrally disposed longitudinal slots extending partway of the length thereof and terminating in inner transversely straight shoulders from which seats on opposite sides of the slots extend towards the body and terminate in outward curved concave extremities, the reins having their inner ends shaped as heads with rounded free ends and having tongues



centrally disposed therein and of less width than the heads to form flanges which are slidable in the said

seats, the tongues terminating inwardly a distance from the free rounded ends of the heads, the heads being wider than the remaining portions of the reins.

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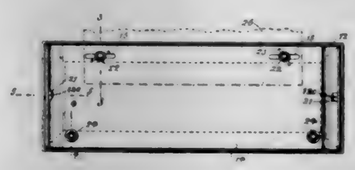
1,561,420. FRAME FOR LICENSE PLATES. FRED DEXTER ELLIOTT, Saulte Ste. Marie, Mich. Filed Jan. 10, 1925. Serial No. 1,672. 3 Claims. (Cl. 40—152.)



1. A frame for license plates and other purposes including a frame element having a front portion to conceal an area of the license plate at the four sides thereof and having a rearwardly directed flange at the outer edge of said front portion, and a back plate in said frame, said back plate extending behind said front of the frame element and having bolt holes and bolts in said holes in the area of the back plate covered by the front of the frame element, said bolts adapted to secure between the front of the back plate and the rear of the front of the frame element a plate to be framed; together with bolts extending transversely through the frame flange at the ends of the frame, and flanges on the back plate through which said last-mentioned bolts also pass for securing the ends of the back plate to the ends of the frame element.

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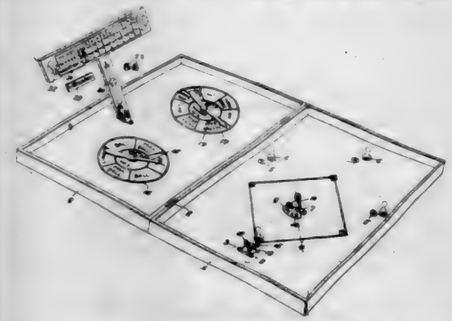
1,561,421. GAME. TORLIEF G. ERICKSON, Providence, R. I. Filed Mar. 18, 1925. Serial No. 16,502. 2 Claims. (Cl. 273—93.)

1. A game board having a field inscribed with a diamond, pivotally supported finger carrying playing pieces on the center of the diamond and to the rear of the home base, dials having figures thereon over which the fingers of the playing pieces are arranged when the said playing pieces are turned, two cylindrical dials divided into segments each bearing inscriptions relative



to the plays made respectively by the batter and by the fielders of a baseball game and a pivoted spinner on each of the last mentioned dials.

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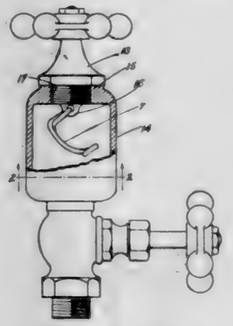
1,561,422. COVER-CAP LOCK. HARRY J. ERNST, Cincinnati, Ohio, assignor to The D. T. Williams Valve Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 28, 1925. Serial No. 12,433. 1 Claim. (Cl. 220—24.)



A cap anchor comprising a rod bent at its middle portion to form a ring, the free ends each being bent adjacent the ring at right angles to the plane of said ring to form parallel arms, said arms being curved and having formed at their ends oppositely disposed hooks parallel to the plane of the ring portion.

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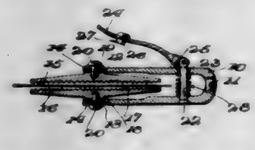
1,561,423. CHECK PROTECTOR. JOHN EVANS, Melville Station, Newport County, R. I. Filed July 9, 1925. Serial No. 42,574. 6 Claims. (Cl. 101—19.)



1. A check protector including a pair of elongated impression members having serrated opposing faces and having their opposite ends provided with outstanding bosses centrally between the ends thereof, a U-shaped supporting frame having the ends of its extensions provided at their inner sides with recesses to receive said bosses, threaded fasteners projecting through the extensions of the frame and engaging the bossed portions

of the impression members to hold the same rotatably in position whereby they may be shifted from longitudinal to a transverse position with respect to the frame, and hand actuated means for shifting the extensions of the frame toward one another.

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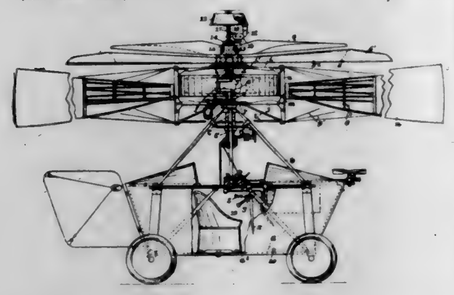
1,561,424. HELICOPTER. GEORGE EXEL, Clifton, N. J. Filed Nov. 6, 1924. Serial No. 748,088. 10 Claims. (Cl. 244—19.)



1. In a helicopter, the combination of two rotary means respectively including the active and reactive elements of a motor and each also including an aerofoil driven from the corresponding element and having its axis of rotation upright, gearing connecting said elements and including an intermediate gear member, a carrier supported by and with respect to which each of said means is rotary, and means, movable independently of the carrier and in which said member is journaled, to oppose shifting of said member from one to another position of rotation.

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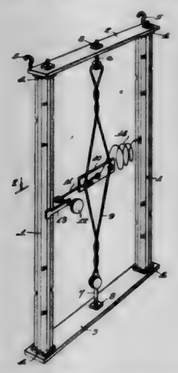
1,561,425. THERMOSTATIC SWITCH. HUGO ROBERTS FERNANDEZ, Habana, Cuba. Filed Oct. 7, 1924. Serial No. 742,214. 3 Claims. (Cl. 200—137.)



1. A thermostatic switch, comprising a thermostatic expansible frame, a double run twisted flexible member secured in the frame, a circuit breaker carried by the flexible member and to which turning movement is imparted by the flexible member, means connecting the circuit breaker with a fixed contact, and said circuit breaker adapted to engage a second contact.

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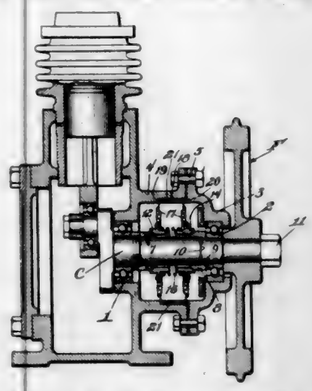
1,561,426. STUFFING BOX. PHILIP FISCHBACHER, Chicago, Ill. Filed Mar. 18, 1924. Serial No. 700,123. 3 Claims. (Cl. 286—11.)

1. In combination with a box, a cap associated therewith, bearings carried by the cap and the opposed wall of the box, a shaft rotatably engaged with the bearings, cones mounted upon the shaft within the box for rotation therewith and spaced apart, cups freely surrounding the shaft between the cones, a tension spring interposed between and bearing upon the cups to maintain the same in contact with the cones, corrugated spring metal



washers secured to the cups and bridging the space betwen the cups and the peripheral wall of the box, and a spacer interposed between the peripheral portions of the washers, the bearing cap being provided with means to effect an air-tight contact between the peripheral portions of the washers and the spacer when the cap is in applied position.

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1,561,427. METHOD AND MEANS FOR MARKING CASTINGS. CARL T. FORSBERG, Mountain View, N. J. Filed Oct. 23, 1922. Serial No. 596,433. 7 Claims. (Cl. 22—203.)

1. The method of marking castings, which consists of embedding characters formed of sheet metal in said casting, so that the edge of said sheet metal appears on the surface of said casting, and the faces of said sheet metal are embedded in said casting.

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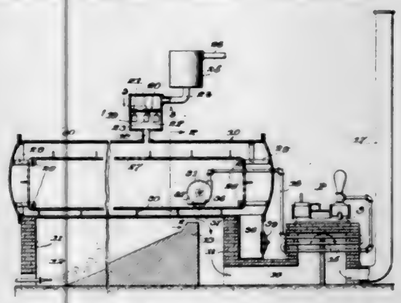
1,561,428. APPARATUS FOR DISTILLATION. WILLIAM M. FRASER, Bristow, Okla. Filed June 11, 1923. Serial No. 644,746. 2 Claims. (Cl. 196—122.)



1. Apparatus for heating liquids comprising the combination, with a closed vessel, for heating liquid, means for feeding liquid into said vessel, of agitator means located in said vessel, and a fluid motor located within said vessel and connected to said liquid-feeding means for operation by the latter and arranged to be driven by liquid fed through said liquid-feeding means.

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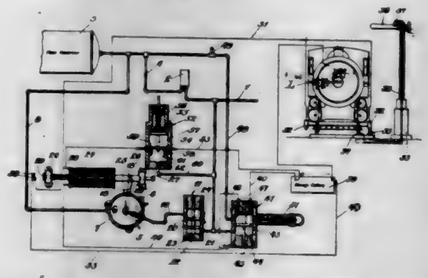
1,561,429. AUTOMATIC TRAIN-CONTROL DEVICE. EARL JACOB GILDERSLEEVE, Maybrook, N. Y., assignor of one-fourth to Alfred H. Bawden, jr., Park Ridge, N. J. Filed Nov. 22, 1921. Serial No. 516,994. 7 Claims. (Cl. 246—183.)



4. A train stopping device including a train line control valve communicating with and governing an exhaust from the train line pipe, a three-way valve for controlling the operation of the first-mentioned valve, having communication with a main air reservoir and the first-mentioned valve and normally admitting main reservoir air to said valve, a solenoid having a movable core connected with the three-way valve, normally held in one position, and adapted to move the three-way valve to permit the exhaust of air in the first-mentioned valve and allow the operation thereof to open the exhaust from the train line when the solenoid is energized, a main circuit connecting the solenoid and adapted to be closed for energizing said solenoid under predetermined conditions, an auxiliary circuit through the solenoid, a pair of contacts in said auxiliary circuit adapted to be closed by the core upon its initial movement by the solenoid after the solenoid is energized for closing the auxiliary circuit, and a timed circuit breaker for maintaining the solenoid energized for a predetermined length of time.

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1,561,430. FOOTWEAR. ALFRED A. GLIDDEN and FRANK D. BEAN, Watertown, Mass., assignors to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Sept. 2, 1924. Serial No. 735,373. 6 Claims. (Cl. 36—5.)

1. An article of footwear of the class described having a plurality of pairs of separable metallic fasteners secured to the inner face of the upper somewhat back from the edges, and a narrow strip of resilient rubber incorporated in each of said edges.

2. A front opening article of footwear of the arctic type, having a plurality of pairs of interengaging fasteners secured to the inner face of the upper sufficiently back from the edges to cause the inter-engaging portions of the fasteners to lie approximately flush with the edges, whereby when the cooperating fasteners are engaged the edges will be held in abutting position and the fasteners concealed.

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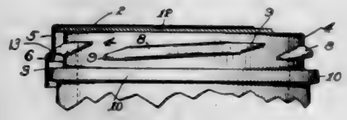
1,561,431. BAND-LUG CLOSURE. CHARLES HAMMER, Queens, N. Y., assignor to American Metal Cap Company, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 19, 1922. Serial No. 530,267. 8 Claims. (Cl. 215—44.)



1. A combined rotatable and reusable metal cap and sealing band, said cap comprising a top having a depending skirt provided with a strengthened, curled or beaded lower edge, and inwardly extending locking projections, said sealing band extending below said skirt and having its top and bottom portions bent inwardly, the former to directly engage the strengthened edge of the cap and the latter to engage under the shoulder of the container, the sealing band and cap so cooperating that the sealing band forms the first locking means for the cap without the rotation thereof while the projections of the cap form the second locking means on the removal of the band.

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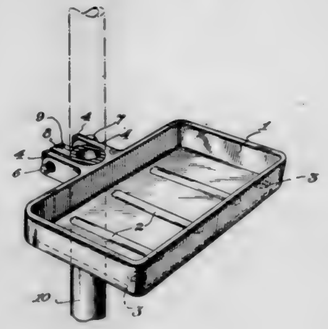
1,561,432. SOAP DISH. OTTO G. HITCHCOCK, Erie, Pa., assignor to Hays Manufacturing Company, Erie, Pa., a Corporation of Pennsylvania. Filed May 21, 1925. Serial No. 31,760. 2 Claims. (Cl. 45—24.)



1. A soap dish adapted to be clamped to a pipe, comprising a pair of lugs adapted to embrace said pipe, a clamping block disposed between said lugs and adapted to engage said pipe, and a headed screw-bolt in threaded engagement with said block and passing freely through apertures in said lugs.

1,561,433. YARN TUBE FOR LOOMS. JAMES H. JOHNSON, Amsterdam, N. Y. Filed Mar. 9, 1925. Serial No. 14,043. 4 Claims. (Cl. 139—10.)

2. A yarn tube for a tube frame, made of resilient material and having a longitudinal slit dividing the forward wall thereof, said slit adapted to permit a yarn to be forced therethrough but preventing the free passage thereof.

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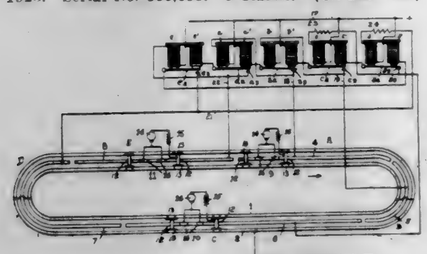
1,561,434. TRAIN-CONTROL SYSTEM. NORRIS J. JONES, Jr., Pittsburgh, Pa.; Lottie Jones executrix of said Norris J. Jones, jr., deceased. Filed Oct. 5, 1923. Serial No. 666,695. 6 Claims. (Cl. 246—32.)



1. In a safety electric railway system, a sectional conductor dividing the railway system into blocks, each section of the conductor being electrically continuous, means including for each block only one switch having only one pair of contacts, whereby a car on any block prevents a car on the next block in the rear thereof from receiving motor-operating current, and whereby the said second car prevents a car in the next block in the rear thereof from receiving motor-operating current.

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1,561,435. ONE-MAN GASOLINE SAFETY RAIL CAR. PHILIP J. MITTEN, Philadelphia, Pa., assignor to Mitten-Traylor Incorporated, a Corporation of Delaware. Filed Jan. 18, 1923. Serial No. 613,393. 6 Claims. (Cl. 105—62.)

1. A railway car comprising a body frame, a body, a motor supported by said frame beneath the forward end of said body, front and rear axles including wheels yieldably supporting the body frame, a transmission supported by said frame intermediate of said axles, means operatively connecting said motor with said transmission, and drive means independently connecting said transmission with each axle.

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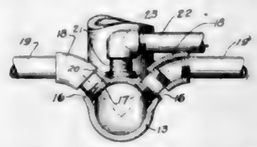
1,561,436. PLUMBING CONNECTION. MICHAEL J. SMITH, Morristown, N. J., assignor to Iron Closet Bend Company, Morristown, N. J., a Corporation of New Jersey. Filed Mar. 14, 1925. Serial No. 15,432. 1 Claim. (Cl. 285—203.)

A soil pipe fitting adapted to discharge a flow from a closet bowl into a pipe, said fitting comprising a substantially horizontal portion and a plurality of connections at said portion, to one of which a drainpipe can be connected and a vent pipe to the other, said connections being formed with their axes lying in substantially the same plane on opposite sides of the fitting,



and intersecting at a point below the upper portion of the fitting but inclined at an angle to the horizontal so that said connections lie above the normal level of flow in said horizontal portion of the fitting, and the inclination of said connections insuring that a discharge from one of them will not enter the other connection.

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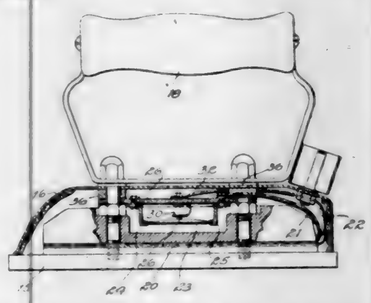
1,561,437. ELECTRIC HEATER. JOHN A. SPENCER, Revere, Mass., assignor to Spencer Thermostat Company, Cambridge, Mass., a Corporation of Massachusetts. Original application filed Apr. 8, 1921, Serial No. 459,773. Divided and this application filed Mar. 12, 1923. Serial No. 624,597. 5 Claims. (Cl. 219—25.)



1. In an electrical heating device, the combination with relatively movable contact members mounted therein, of a snap acting composite thermostatic member mounted in a heated portion of the device and constituting the sole actuating means for effecting relative movement of the contact members, whereby the contact members are actuated relatively to interrupt quickly the circuit of the device.

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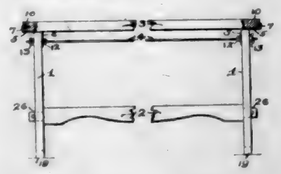
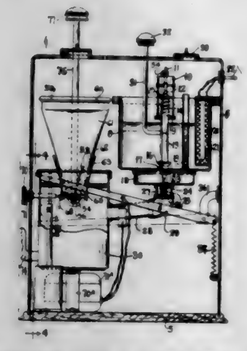
1,561,438. CHILD'S TABLE. ROSS WINSHIP, Valparaiso, Ind. Filed Aug. 5, 1922. Serial No. 579,898. 8 Claims. (Cl. 45—109.)



1. In a tilting top table, a table top, a pair of standards thereunder, means for supporting the table top on the standards, cooperating means between the lower face of the table top and the upper edge of the standards for limiting the angular position of the parts to each other, means for pivoting the parts to each other, and means for locking them in different positions.



1,561,439. MACHINE FOR MAKING AND DISPENSING LATHER. FRANK ACKERMANN, MORRIS LANGHAUS, and HERMAN GOULD, New York, N. Y.; said Langhaus assignor to said Ackermann and said Gould. Filed Aug. 29, 1924. Serial No. 734,855. 12 Claims. (Cl. 259—24.)



2. In combination with a lather making machine, a powder container, a source of water supply, a mixing chamber, an agitator journaled in the bottom of said chamber, a motor for driving said agitator, and means for feeding the powder and water to said chamber, said means being adapted to close the circuit to start the motor for driving the agitator.

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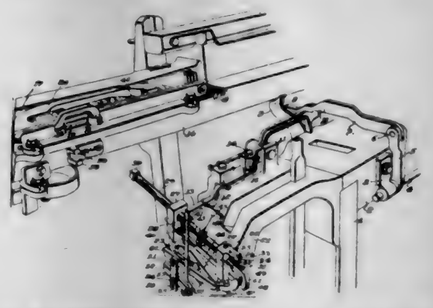
1,561,440. FEELER MECHANISM FOR LOOMS. JOHN C. BROOKS, Paterson, N. J., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 18, 1925. Serial No. 31,000. 12 Claims. (Cl. 139—274.)



1. In a feeler mechanism for looms, the combination of a feeler having a magnetic tip that causes the feeler to be moved rearwardly on detection of substantial exhaustion of filling in the shuttle and by such movement to be lowered to initiate replenishment of filling as the feeler is moved frontwardly on the next detecting beat, and means actuated by such frontward movement of the feeler for effecting replenishment of filling.

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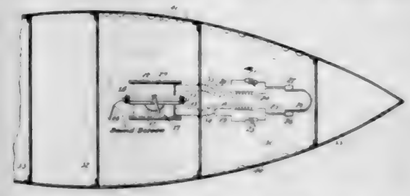
1,561,441. APPARATUS FOR DIRECTIVE SIGNALING. REGINALD A. FESSENDEN, Newton, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Original application filed Dec. 26, 1918, Serial No. 268,231. Divided and this application filed May 28, 1920. Serial No. 384,993. 3 Claims. (Cl. 181—0.5.)

2. In apparatus of the character described, the combination of a plurality of receptors of wave energy disposed about a common center, a detecting device, and means for bringing the received energy into phase at the detecting device comprising connections from the detecting device to the several receptors having time difference of energy traverse equal to the difference in



time of arrival at the receptors to which they are connected, of wave energy passing in a certain direction across the center of receptors, substantially as described.

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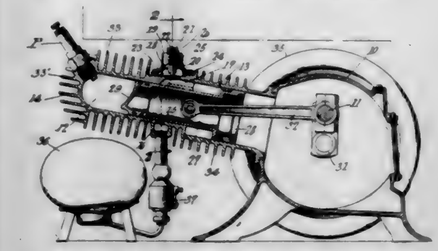
1,561,442. INTERNAL-COMBUSTION ENGINE. HERBERT O. EWING, Middleport, Ohio. Filed Feb. 27, 1922. Serial No. 539,676. 9 Claims. (Cl. 60—32.)



7. In a two cycle internal combustion engine, the combination of a power cylinder having a piston connected to the crank shaft and a vacuum cylinder having a piston also connected to the crank shaft, said piston having substantially zero clearance with the top of the vacuum cylinder, an intake port for said power cylinder thru which a fresh charge is aspirated, an exhaust port from the power cylinder to the vacuum cylinder thru which all of the spent gases are drawn into the vacuum cylinder for subsequent exhaust to the atmosphere, said two ports being controlled by the power piston, and being so arranged that they are opened approximately at the end of the power stroke, the exhaust port opening before and closing after the opening and closing of the intake port.

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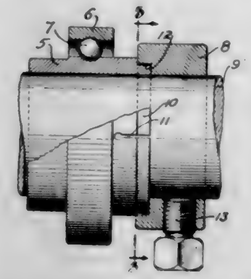
1,561,443. LOCKING MEANS FOR ANTIFRICTION BEARING RINGS. RAYMOND R. SEARLES, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a Corporation of Connecticut. Filed July 28, 1923. Serial No. 654,334. 3 Claims. (Cl. 308—189.)



1. In combination, an anti-friction bearing having inner and outer race-members and anti-friction elements

therebetween, a shaft passing through said inner race-member, and a member adapted to be secured to said shaft adjacent the inner race-member and having a flange overlying a part of said inner race-member, said flange and part having contiguous concentric surfaces which are eccentric to said shaft whereby the inner race-member is prevented from turning on said shaft.

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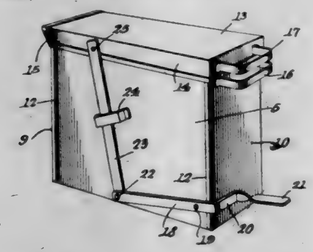
1,561,444. RECEPTACLE. GOODWIN B. SMITH, Philadelphia, Pa., assignor to Smith Vending Machine Corp., New York, N. Y., a Corporation of Delaware. Filed Mar. 13, 1924. Serial No. 698,995. 1 Claim. (Cl. 220—94.)



A device of the character described, comprising a receptacle, a lid permanently hinged near its rear end to the top of the receptacle, said lid having telescoping action with the top of the receptacle, a loop handle rigidly attached to the forward end of the receptacle near its upper end, a second loop handle rigidly attached to the forward end of the lid and arranged in close relation to the first named loop handle, the arrangement of the loop handles being such that the hand may be passed through them to grasp both, a lever pivotally mounted upon the side of the receptacle and projecting forwardly therebeyond and carrying a treadle, and a link pivotally connected with the rear end of the lever and with the lid.

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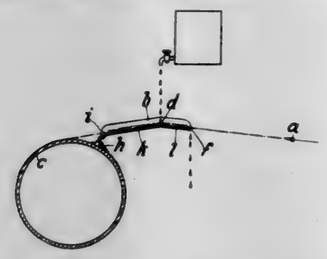
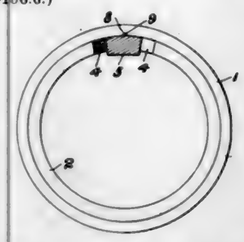
1,561,445. GUTTER OR CHANNEL FOR TREATING ARTIFICIAL THREADS OR YARNS, PARTICULARLY IMITATION-SILK YARNS, WITH ACIDS OR AN ACID CONTAINING LIQUOR. EMIL ELSAESSER, Barmen-Langerfeld, and WALDEMAR ZUR LÖWEN, Barmen-Rittershausen, Germany, assignors, by mesne assignments, to American Bemberg Corporation, a Corporation of Delaware. Filed Oct. 29, 1923. Serial No. 671,565. 2 Claims. (Cl. 18—8.)



1. A gutter or channel for treating artificial threads in particular imitation silk threads or yarns, with an acid or an acidiferous liquor, said gutter or channel having a bend between its ends and located at such a point as to form two sloping end portions for compelling the liquor admitted at the highest part of the gutter to flow off in both directions towards its lower ends, one of which sloping portions is about half the length of the other one, substantially as set forth.

1,561,446. METHOD OF PATTERN OR RING FORMING FOR PISTON RINGS. CHARLES E. JOHNSON, Muskegon, Mich., assignor to The Piston Ring Company, Muskegon, Mich., a Corporation of Michigan. Filed June 14, 1922. Serial No. 568,280. 4 Claims. (Cl. 29—156.6.)



1. The herein described method of changing a continuous circular ring to out-of-round form which consists in placing the ring around a circular die parted at one side and then spreading the die at the parting in the side thereof to change the circular ring to an out-of-round form.

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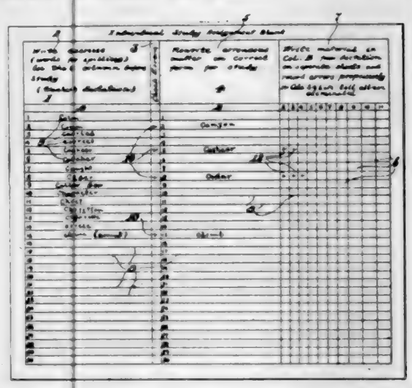
1,561,447. EDUCATIONAL DEVICE. SHERWIN CODY, Tompkinsville, N. Y. Filed Dec. 12, 1922. Serial No. 606,508. 6 Claims. (Cl. 283—46.)



1. In a teaching device, a sheet employed as an individual assignment for study having areas defined thereon which are adapted to receive a school exercise with a progressive record of tests upon the exercise, comprising an area in which an exercise may be written by a pupil and corresponding areas in progressively designated columns in which errors made on successive tests upon the original exercise may be recorded, and having associated therewith instructions for concentrating study upon the subject of errors checked in the successive columns after each test as so many successive assignments for study.

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1,561,448. RETARDING CHUTE. LOUIS H. SIMON, Seattle, Wash. Filed Oct. 1, 1924. Serial No. 740,930. 1 Claim. (Cl. 193—27.)

In a retarding chute a plurality of detachable sections which, when in place, form a zig-zag line, the intermediate sections having rings at their ends the planes of which are substantially at right angles to each other, each of the said sections being made up of a plurality of straight sections, clamping and holding means at one end of each of the said sections, sockets for engaging the said clamping and holding means at the opposite ends of the said sections to receive the said clamping and holding means of the succeeding section, other sections forming the end sections also made of short straight sections and equipped with the said clamping and holding means, the planes of the ends of the said end sections forming substantially 45° angles, a hopper with converging sides attached to the top of the said chute

for receiving and guiding material into the said chute, handles on the sides of the said chute, and another of the said end sections having rollers projecting upward from it to engage a flange on the lower end of the said chute thereby forming a revolving, deflecting member at the end of the said chute.

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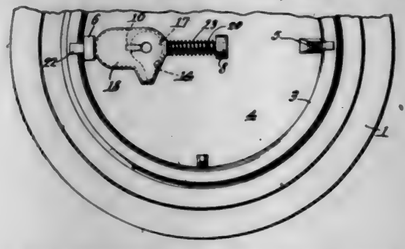
1,561,449. LOCK FOR METER-BOX COVERS. CHARLES JOHN ARMSTRONG, Austin, Tex. Filed May 19, 1925. Serial No. 31,348. 4 Claims. (Cl. 70—14.)



2. The combination with a cover having a keyhole and a centering boss adjacent the keyhole, of a tumbler mounted for rotation on the boss and having a key receiving slot normally registering with the keyhole, a spring pressed bolt connected to the cover, said bolt including a housing in which the tumbler is concealed, said housing having an extension, there being a wing upon the tumbler for wiping engagement with one wall of the extension, and cooperating means upon the housing and tumbler for holding said tumbler against free rotation within the housing.

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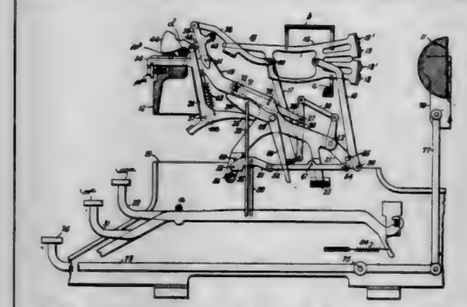
1,561,450. TYPEWRITING MACHINE. GEORGE GOULD GOING, Middletown, Conn., assignor, by mesne assignments, to Remington-Noiseless Typewriter Corporation, a Corporation of New York. Filed Sept. 28, 1923. Serial No. 665,290. 96 Claims. (Cl. 197—25.)

1. In a typewriting machine, the combination of a platen, a front stroke end-thrust type-bar carrying a plurality of transversely arranged types fixed on an end thereof, a plurality of independently operable printing keys, and means controlled thereby for effecting an individually selective actuation of said type-bar to print



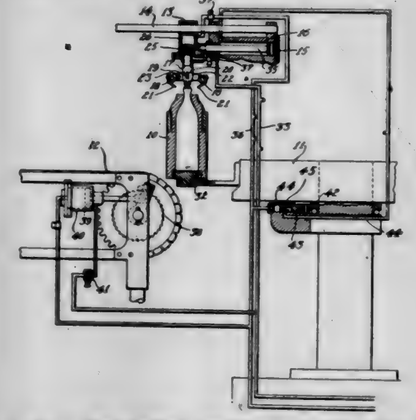
from one or another type thereon depending on which of said keys is independently actuated and for effecting a printing movement of the type bar in a general endwise direction and causing different types to travel through different oppositely disposed curved paths in the same plane to a position where the effective types reach a line of substantial coincidence in front of the



printing point before the platen is reached, said line of coincidence obtaining for a substantial portion of the final part of each path of advance of the active type towards the platen, the construction and arrangement of said controlling means being such that both of said printing keys is actuated by substantially a uniform touch.

---

1,561,451. TAKE-OUT DEVICE FOR BOTTLE-BLOWING MACHINES. JAMES W. LYNCH, Alexandria, Ind., assignor to Lynch Glass Machinery Company, Anderson, Ind., a Corporation of Indiana. Filed Mar. 2, 1922. Serial No. 540,538. 30 Claims. (Cl. 198—22.)



1. In a glass working machine, a movable table and series of molds carried thereby, means for opening said molds at a predetermined point in their movement, a conveyor adjacent said point, and a take-out device for transferring glass ware from said molds at said point to said conveyor, said take-out device comprising a laterally movable carrier, a vertically movable yoke mounted thereon, and arms carrying grippers at their outer ends pivotally connected to said carrier intermediate their ends and to said yoke at their ends remote from the grippers, said pivotal connections having limited freedom of movement whereby raising said yoke first swings and then elevates said grippers, and continuously acting means for restraining said grippers against lifting movement until the gripping action is completed.

Patents Nos. 1,561,452 to 1,562,429.

THE

# OFFICIAL GAZETTE

OF THE

# United States Patent Office.

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| T. M. Renewals | 79 | | |
| Labels | 42—No. | 29,479 to No. | 29,520, inclusive. |
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| Reissues | 3—No. | 16,211 to No. | 16,213, inclusive. |
| Designs | 91—No. | 68,752 to No. | 68,842, inclusive. |
| Patents | 978—No. | 1,561,452 to No. | 1,562,429, inclusive. |
| Total | 1,559 | | |

## ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,363,814, E. C. Raney, Automatically-reclosing circuit breaker, decided October 28, 1925, claims 10, 11, 12, 17, and 19.

Pat. 1,506,054, H. M. Friendly, Telephone system, decided October 10, 1925, claim 59.

Pat. 1,518,682, W. R. G. Baker, Signaling system, decided October 5, 1925, claims 2 and 4.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 31,210, Relishes, Saville Packing Company, New York, N. Y. Registered February 1, 1898. Decided October 8, 1925.

T. M. 40,440, Certain named beverages, W. A. Megrath, New York, N. Y. Registered May 26, 1903. Decided October 10, 1925.

T. M. 142,801, All varieties of cured fish, salt fish, and canned fish and shrimp, J. S. Twombly, Boston, Mass. Registered May 17, 1921. Decided October 6, 1925.

## NOTICE TO ATTORNEYS.

**A circular letter reading as follows has been placed in the mail addressed to each attorney on the roster:**

**"Your name appears on the roster of those registered to practice before the United States Patent Office. We are preparing to revise the roster to eliminate the names of those who are dead or who have retired from practice before this Office.**

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**Attorneys who have not received this circular and who wish their names to be retained on the roster should immediately write the Commissioner of Patents to that effect and give him their full names and business addresses, together with their registration numbers and the names of any firms of which they are members or with which they are associated.**

## Condition of Applications Under Examination at Close of Business November 6, 1925.

| Room No. | (Total number of applications awaiting action, excluding Trade-Mark Division, 39,825; Trade-Mark Division, 3,106. Oldest new case, Apr. 22, 1925; oldest amended, Apr. 27, 1925. The dates given are 1925.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS. | Oldest new application and oldest action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
|---|---|---|---|---|
| 112 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders. | Aug. 17 | Aug. 26 | 560 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | June 18 | May 7 | 506 |
| 331 | 3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | Sept. 8 | Aug. 6 | 518 |
| 234 | 4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling, Pushing and Pulling Implements, Traversing Hoists. | Aug. 6 | Aug. 12 | 519 |
| 108* | 5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | June 6 | June 6 | 884 |
| 318 | 6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | July 25 | July 20 | 868 |
| 106 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | Aug. 10 | Aug. 11 | 787 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture | Aug. 6 | Aug. 12 | 1,189 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | July 22 | July 20 | 598 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | July 7 | July 31 | 924 |
| 148* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | Aug. 8 | Aug. 4 | 684 |
| 380 | 12. PIERCE, P. P., Machine Elements | July 14 | July 15 | 666 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | July 7 | Aug. 13 | 592 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | July 3 | Aug. 8 | 767 |
| 329 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | Aug. 3 | Aug. 3 | 701 |
| 242* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | June 27 | July 13 | 890 |
| 307 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | Aug. 10 | Sept. 1 | 354 |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | June 15 | June 4 | 743 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | July 9 | Sept. 21 | 500 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking. | Aug. 11 | Aug. 1 | 647 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | June 27 | Aug. 17 | 475 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Aug. 22 | Aug. 26 | 347 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology, Time-Controlling Mechanism. | June 8 | July 2 | 382 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Aug. 29 | Sept. 3 | 343 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | July 22 | July 24 | 732 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | May 11 | May 27 | 778 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | Sept. 9 | Sept. 12 | 482 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Sept. 11 | Sept. 10 | 686 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | Apr. 22 | Apr. 27 | 1,214 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | July 27 | Aug. 1 | 909 |
| 312 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | Aug. 31 | Aug. 24 | 664 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | July 6 | July 8 | 583 |
| 152 | 33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Sept. 8 | Sept. 8 | 614 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders. | June 24 | July 7 | 591 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | Aug. 1 | Sept. 8 | 607 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | July 17 | Aug. 6 | 1,016 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | June 16 | June 16 | 883 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells. | June 13 | June 11 | 899 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | July 16 | Aug. 24 | 374 |
| 269 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | July 14 | July 20 | 1,196 |
| 125 | 41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | July 10 | July 24 | 436 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling | May 20 | May 28 | 1,248 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | July 24 | Aug. 14 | 731 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | May 18 | June 2 | 820 |
| 379 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | Aug. 1 | Aug. 3 | 612 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | July 28 | July 23 | 597 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | June 15 | June 25 | 1,256 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications | May 26 | May 26 | 1,671 |
| 239 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification. | July 15 | July 18 | 748 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | June 26 | July 6 | 1,000 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | June 30 | June 27 | 1,653 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | Sept. 2 | Sept. 4 | 605 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens. | Aug. 24 | Aug. 24 | 676 |
| 102 | DESIGNS: C. O. MARKHAM (Acting) | Oct. 14 | Oct. 14 | 333 |
| 163 | TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR. {Trade-Marks | Oct. 7 | Oct. 23 | 1,911 |
| | {Labels and Prints | Oct. 9 | Oct. 30 | 195 |

* Refers to room numbers in the annex.



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Commissioner's Decisions.

EX PARTE SHORT.

*Decided April 22, 1924.*

INVENTION—SUBSTITUTION OF EQUIVALENTS.

When cork has been used for a clutch-disk facing and a cork compound has been produced and described as a substitute for cork, there is no room for invention in merely using it for one of the purposes, that of facing a clutch disk, for which cork has heretofore been used.

[Note.—This application has resulted in Patent No. 1,524,217, January 27, 1925.]

Application for patent.

APPEAL from Examiners in Chief.

CLUTCH DISK FOR MOTOR-VEHICLE CLUTCHES.

Application filed May 28, 1917, No. 171,493.

*Mr. Le Roi J. Williams* and *Mr. Lloyd Blackmore* for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiners in Chief, affirming that of the Primary Examiner denying patentability to claims 1, 3, and 4.

Claim 1 will serve for illustrative purposes:

1. As an article of manufacture, a metallic clutch disc having a facing of friction material in thin sheet form, said friction material comprising granulated cork mixed with a liquid binding material which sets and hardens, and with a liquid material having non-setting and non-hardening qualities; the mixture being compressed and permitted to harden under pressure to thereby increase the density of the resulting product.

The references are: Smith et al., No. 913,572, February 23, 1909; Loomis, No. 1,172,146, February 15, 1916; Kwis, No. 1,164,531, December 14, 1915; Bubinger, No. 1,151,759, August 31, 1915.

The claims are directed to an article of manufacture of the character of a clutch disk made up of a thin sheet of friction material comprising corrugated cork mixed with a binding material and compressed and retained in such compressed state until the binder properly sets.

Appellant states many advantages in the cork compound when used for the purpose of a clutch surface and his assertions are not to be disputed. The prior art illustrates friction clutches made up of clutch disks and the patent to Bubinger discloses one member of a clutch coupler which consists of a metal disk faced with cork. That cork has been widely used for clutch faces is not denied. The patent to Smith et al. discloses a compound made up of ground cork with a suitable binder of the general character employed by appellant. None of the claims here on appeal defines from the cork compound recited in the patent to Smith et al. It is clear enough this patent does not specify the use of this cork compound for the purpose adopted by appellant. The question here to be determined is whether with the suggestion of Bubinger that cork may be used for facing clutch disks, it would be obvious the cork compound described by Smith et al. could be used for a like purpose. These patentees, Smith et al., state their product is a substitute for cork, and although they do not name a clutch element, yet they name many of the uses to which cork has been put and state their cork compound can be substituted. The claims being broadly drawn, they in effect are for using the cork compound of Smith et al. in place of the cork facing shown on the clutch disks of Bubinger.

It must be held there was no inventive concept in making such a substitution. It may well be appellant's cork compound is superior, for the purposes described, to that of Smith et al.; but the appealed claims do not make any distinction over the cork compound of the reference. When cork has been used for a clutch-disk facing and a cork compound has been produced and described as a substitute for cork, it would appear there was no room for any invention in merely using it for one of the purposes, that of facing a clutch disk, for which cork was heretofore used.

The decision of the Examiners in Chief is affirmed.

---

SPRAGUE *v.* HOWE *v.* WORK.

*Decided May 7, 1924.*

1. INTERFERENCE—APPLICATIONS OR PATENTS OF COMMON OWNERSHIP—ELECTION UNDER RULE 94.

It is highly desirable that a common assignee be required to elect, under rule 94, the application which will be retained in interference.

2. SAME—SAME—SAME—SHOWING.

The showing of reasons why an election should not be required is sufficient where an affidavit is made by the assignee's attorney that one of the assignors is not an employee of the assignee and not under its supervision and permanently resides in a foreign country; that the inventive work was done a number of years ago in another foreign country; that drawings, descriptions, etc., were submitted to engineers and others; and that deponent has sought information from these persons, but some of the papers could not be located and the remainder could not be obtained without compulsion.

3. SAME—SAME—SAME—SAME—RIGHT TO MAKE CLAIMS CONTESTED.

Under the foregoing circumstances it is especially true that the showing is sufficient where the opposing party is contesting the right of one of the assignors to make the claims.

ON PETITION.

AUTOMATIC TRAIN CONTROL.

*Messrs. Dorsey & Cole* for Sprague and for Work.

*Mr. Neil D. Preston* for Howe.

KINNAN, *First Assistant Commissioner:*

This is a petition by the party Howe requesting a review and reversal, under my supervisory authority, of the ruling by the Law Examiner that

the Sprague Safety Control and Signal Corporation may retain in this interference the applications of both Sprague and Work.

Howe contends that the Sprague Corporation, as the common assignee of the Sprague and Work applications, should be required to elect, under rule 94, which of said applications it will retain in the interference and that the other application should be eliminated from such proceeding. The second paragraph of rule 4 reads:

> Parties owning applications or patents which contain conflicting claims will be required before an interference is declared to show cause why these claims shall not be eliminated from all but one of the applications or patents of common ownership.

The showing made by the Sprague Corporation consists of the affidavit of one Sidney F. Parham, who testifies that he is an employee of the firm of Dorsey and Cole, attorneys for the Sprague Corporation; that he has had direct and immediate charge of the Work application since its acquisition by the Sprague Corporation in October, 1922, and of the various interferences in which it has been involved since that time; that he has conducted all the investigations that have been made as to the testimony which might be produced in connection with proof of the Work dates in the instant interference; that said Work is not in the employ or under the supervision of the Sprague Corporation and is a permanent resident of Paris, France; that the inventive work of the party Work began in the year 1912 and continued for several years thereafter in the Canal Zone, Panama; that during this period certain drawings and descriptions relative to the invention were submitted to engineers and others connected with the Panama Canal Commission, which papers it has been impossible, up to the present time, to locate; that said Work in the year 1913 also submitted certain plans, specifications, and information to the chief engineers of a certain railroad company; that deponent has sought information from these engineers, but that they have refused to investigate the files of the railroad company until and unless they are compelled to do so by order of a competent court; and that by reason of these facts deponent and the senior counsel for the Sprague Corporation are unable to determine with any degree of certainty the extent to which they can produce evidence to establish the early dates of conception, drawings, disclosure, and reduction to practice of the party Work.

[1, 2, 3] It is highly desirable that common assignees be required to elect under rule 94. This simplifies the proceedings and reduces the expenses to the parties involved. However, where the common assignee is unable to determine which of the assignors is the prior inventor injustice might result from a forced election. Rule 94 contemplates this situation and provides for a showing of reasons why an election should not be required. It is believed the showing made in the instant case is sufficient. Especially is this true in view of the fact that the party Howe is contesting the right of the party Work to make the claims. If it be finally determined that Work can not make the claims, and this is a matter ancillary to the question of priority, an election of the Work application would result in an award of priority to Howe, although Sprague might be the prior inventor. On the other hand, Work may be the prior inventor, and if his application were eliminated the award might go to one who is not the first inventor.

Howe contends that in any event election should be required before the taking of testimony, and that the Sprague Corporation should be given additional time to obtain the necessary information from the engineers of the railroad company mentioned in Parham's affidavit. Parham swore that said engineers refused to give the desired information, and counsel for the Sprague Corporation point out that the engineers for the railroad company can not be compelled to give the information before the taking of testimony.

It is believed the showing made by the common assignee brings the matter within the exception contemplated by the rule and that the conclusion of the Law Examiner is sound.

The petition is denied.

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### EX PARTE GOLDMAN.

*Decided December 17, 1924.*

1. NOLAN ACT OF MARCH 4, 1921—SECTION 2—LIMITS TO PERIOD OF EXTENSION.

   Citizens of other countries are not entitled under section 2 of the Nolan Act of March 3, 1921, to extension periods longer than those granted by their respective governments to citizens of the United States, and no extensions can be granted beyond March 3, 1922.

2. SAME—SAME—PAYMENT OF FINAL FEE.

   Where it could not be ascertained until after March 3, 1922, that Poland had granted to citizens of the United States privileges reciprocal to those extended under the Nolan Act, it was not possible at any time to accept a final fee from a Polish citizen under this act.

ON PETITION.

APPARATUS FOR STIRRING, AGITATING, OR MIXING LIQUIDS.

*Mr. Frank S. Appleman* for the petitioner.

KINNAN, *First Assistant Commissioner:*

Petitioner requests that the above case be reviewed by the Commissioner, the application having been abandoned for nonpayment of the final fee June 26, 1920, and that if the fee be accepted an informal call be made on the attorney for the deposit of the fee.

The petition admits that the applicant, through his attorney, interviewed the Assistant Commissioner on or about August 27, 1924, and was informed that for reasons substantially the same as those urged by the examiner the fee could not be applied. These reasons are still held to prevent receiving or applying the final fee.

[1] Applicant now urges that under section 2 of the Nolan Act an extension beyond March 3, 1922, could take place if only the respective country does not grant a shorter term. This interpretation is plainly contradictory to the language of the statute itself which says that "the time now fixed by law for the payment of any fee * * * is hereby extended until the expiration of one year from the passage of this act," etc. The proviso quoted by the petitioner simply prohibits an extension for the full period from August 1, 1914, to March 3, 1922, to citizens of those countries which did not grant an equally long period to citizens of the United States.

[2] Applicant argues that if the last day for paying the final Government fee was March 3, 1922, no reason appears for the publication of the Commissioner's order of June 30, 1923. The obvious reply to this is that in all cases under section 1 of the Nolan Act, and in the vast majority of cases under section 2 of the act, applications filed on or before September 3, 1921, and amendments filed on or before March 3, 1922, were received and held in abeyance until it could be ascertained whether the Polish Government extended reciprocal privileges to citizens of the United States during the year following March 3, 1922. There was no statutory prohibition, as in the case of applications awaiting payment of the final fee. If the fee had been received on or before March 3, 1922, a patent must issue within three months; but no patent could issue because this Office had not received satisfactory information that Poland was granting reciprocal privileges. It was, of course, through no fault of this Office that the necessary information was not forthcoming as soon as that received from many other countries. If the fee had been held until the Polish laws were recognized and then applied as of March 3, 1922, the three months period within which the patent must have issued under section 4885 would have long since passed, and the fee would have had to be returned in any case.

There is no authority in any event for accepting a fee paid in 1924 as if paid Mar. 3, 1922, even if the proviso that the patent must issue within three months after payment of the final fee be disregarded.

The final fee was returned on request of the applicant June 2, 1922. The delay until February 26, 1924, before again tendering the fee itself constitutes fatal laches.

The petition that the Commissioner call for payment of the final fee is denied.

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### EX PARTE HOLT.

*Decided September 30, 1925.*

TRADE-MARKS — ACT OF 1920 — ENTIRE SENTENCES AND COMBINATIONS OF WORDS—"WE CATER TO THE PARTICULAR TRADE."

The act of March 19, 1920, does not give applicant the right to appropriate entire sentences and combinations of words from the English language which do not have the characteristics of trade-marks, technical or otherwise.

Application for registration of trade-mark for Turkish towels, jacquard towels, etc., filed September 12, 1923, Serial No. 185,706.

ON PETITION.

*Mr. John W. Steward* for applicant.

FENNING, *Assistant Commissioner:*

Applicant petitions from the refusal of the Examiner of Trade-Marks to register, under the act of 1920, the phrase "We Cater to the Particular Trade."

The ground of rejection is that the clause is not a trade-mark, since it does not distinguish applicant's goods, and no one has the right to monopolize as a trade-mark a mark which others may apply with equal truth and have an equal right to employ for the same purpose.

The mark at issue is a mere statement that the parties cater to the particular trade they desire for customers, and it is not apparent how these words can be considered together as falling within the accepted definition of a trade-mark as given by the Supreme Court in the case of *Elgin National Watch Co.* v. *Illinois Watch Case Co.*, 94 O. G. 755; 1901 C. D. 273; 179 U. S. 665, 673, as follows:

> A distinctive mark of authenticity, through which the products of particular manufacturers or the vendible commodities of particular merchants may be distinguished from those of others. It may consist in any symbol or in any form of words, but as its office is to point out distinctively the origin or ownership of the articles to which it is affixed, it follows that no sign or form of words can be appropriated as a valid trade-mark, which from the nature of the fact conveyed by its primary meaning, others may employ with equal truth, and with equal right, for the same purpose.

The Patent Office has refused to register such words as "If Not Right — Write — Will Make Right," for sawmills and the like, in the case of *Ex parte Sumner Iron Works*, 147 O. G. 237, 1909 C. D. 171, and "Good Candy—Nothing Else," for candy, in the case of *Ex parte Chocolate Products Co.*, 142 Ms. D. 335. These two cases were cited with approval by the Court of Appeals of the District of Columbia in the case of *The Dolly Varden Chocolate Company*, 333 O. G. 525, in which the court affirmed the action of the Commissioner in refusing to register the words "When Words Fail—Send" as a trade-mark for Dolly Varden candy.

The act of March 19, 1920, clearly does not intend to give applicant the right to appropriate entire sentences and combinations of words from the English language and thereby prevent others from using those words to which they are inherently entitled, which words, furthermore, do not have the characteristics of trade-marks, technical or otherwise.

The decision of the Examiner of Trade-Marks is affirmed.

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## ADJUDICATED PATENTS.

(C. C. A. III.) The Appleton and Crawford patents, Nos. 950,502 and 1,016,925, consisting, respectively, of devices for attaching switch box to wall and for putting together sectional part of box, *Held* invalid for want of invention. *Chicago Fuse Mfg. Co.* v. *Roach-Appleton Mfg. Co.*, 6 F. (2d) 827.

(C. C. A. N. Y.) The Hammond patent, No. 1,283,164, for windshield for automobiles, *Held* valid and infringed. *Hammond* v. *Benzer Corporation*, 6 F. (2d) 760.

(D. C. N. Y.) The Belais patent, No. 1,330,231, for white-gold alloy, claim 3 *Held* invalid for want of invention. *David Belais, Inc.*, v. *Goldsmith Bros. Smelting & Refining Co.*, 6 F. (2d) 930.

(C. C. A. N. Y.) The Nessler patent, No. 1,400,370, for hair-waving apparatus, *Held* valid and not anticipated. *Nestle Patent Holding Co.* v. *Gem Permanent Wave Co.*, 6 F. (2d) 1013.

## PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

809,582, H. Robinson, Machine for peeling vegetables; 942,932, same, Vegetable-paring machine, appeal filed Aug. 15, 1925, C. C. A. (7th Cir.), Doc. 3645, *D. Dangler et al.* v. *Imperial Machine Co. et al.*

855,970, W. B. Pearson, Side-curtain support, suit filed Mar. 11, 1924, D. C. Ind., Doc. 19, *C. C. Blackburn et al.* v. *Studebaker Corp. of America.*

904,665, 969,933, L. G. Wood, Journal box, appeal filed Aug. 21, 1925, C. C. A. (7th Cir.), Doc 3646, *L. G. Wood et al.* v. *McCord & Co.*

937,029, B. G. Strong, Means of hypodermic medication, suit filed Sept. 4, 1925, D. C. Wis. (W. Div.), Doc. E 86, *Cook Laboratories, Inc.* v. *Dunne & Hauser (Mid-West Dental Supply Co.).*

942,932. (See 809,582.)

945,488, W. B. Pulver, Check-controlled vending machine, suit filed Sept. 1, 1925, D. C., W. D. N. Y., Doc. E 860, *W. B. Pulver* v. *Pulver Co., Inc.*

969,933. (See 904,665.)

980,431, G. D. Parker, Box-making machine, suit filed Dec. 30, 1912, D. C., N. D. Calif., Doc. 15,632, *G. D. Parker* v. *Automatic Machine Co.* Patent held valid, defendant perpetually enjoined (notice dated Aug. 28, 1925).

982,217, M. Maginn, Flexible car wheel, decree of district court affirmed Aug. 21, 1925, C. C. A. (7th Cir.), Doc. 3494, *M. Maginn* v. *Diamond T. Motor Car Co.*

984,297, W. H. Pratt, Electric meter, suit filed Sept. 1, 1925, D. C. Del., Doc. E 581, *General Electric Co.* v. *Sewickley Electric Mfg. Co.*

1,060,923. (See 1,416,553.)

1,067,445, F. W. A. Shultz, Bow, suit filed July 16, 1925, D. C., E. D. N. Y., Doc. 2200, *Tie Patent & Mfg. Corp.* v. *A. Pomerantz.*

1,177,688, C. D'Iorio, Coat, decree entered Sept. 8, 1925, holding patent invalid and dismissing bill, D. C., S. D. Ohio (W. Div.), Doc. E 326, *C. D'Iorio et al.* v. *The Burkhardt Bros. Co.*

1,231,276. (See 1,416,553.)

1,236,548, Davis & Johnson, Apparatus for treating milk, suit filed Jan. 23, 1925, D. C. Ind, Doc. 20, *G. B. Davis* v. *B. J. Pepper.*

1,249,153, C. C. McLean, Log-loading boom; 1,279,746, A. Opsal, same, suit filed Sept. 4, 1925, D. C. Oreg., Doc. E 8774, *C. C. McLean* v. *Pacific Spruce Corp. et al.*

1,262,860. (See 1,263,138.)

1,263,138, 1,262,860, S. B. Smith, Incubator, consent decree Sept. 3, 1925, D. C., E. D. Wash. (N. Div.), Doc. 1284, *The Buckeye Incubator Co. et al.* v. *J. Moorehead.* Same, consent decree Sept. 4, 1925, D. C., E. D. Wash. (N. Div.), Doc. 1286, *The Buckeye Incubator Co. et al.* v. *E. R. Wells.* Same, suit filed Sept. 5, 1925, D. C., S. D. Ohio (W. Div.), Doc. E 397, *The Buckeye Incubator Co. et al.* v. *A. E. Grimes (Ohio Hatchery).*

1,279,746. (See 1,249,153.)

1,307,734, A. V. Gullborg, Lubricating means, suit filed Aug. 31, 1925, D. C., S. D. Ohio (E. Div.), Doc. 404, *The Bassick Mfg. Co.* v. *Griscold-Sohl Co.*

1,327,877, C. H. Parmelee, Radiator shield, suit filed Aug. 25, 1925, D. C. Oreg., Doc. E 8773, *R. M. Mackinlay* v. *K. Drlica.*

1,343,654. (See 1,416,553.)

1,353,914, C. H. Keyes, Brake shoe, suit filed Sept. 11, 1925, D. C. Colo., Doc. 7961, *W. Q. Howell et al.* v. *The Standard Steel Stamping Co. et al.*

1,411,391, J. D. Tucker, Spoke tightener, suit filed Sept. 5, 1925, D. C. Kans. (1st Div.), Doc. 766-N, *Tucker Mfg. Co.* v. *R. H. Curby (Curby Auto Supply Co.).*

1,416,553, C. M. Garland, Apparatus for blowing soot from tubes of boilers, economizers, etc.; 1,465,387, F. Bowers, Boiler cleaner; 1,231,276, F. McIlvane, same; 1,343,654, Beebee & Bowers, same; 1,060,923, J. Magee, Water-tube blower, appeal filed Aug. 28, 1925, C. C. A., 8th Cir. (St. Louis), Doc. 7158, *Diamond Power Specialty Corp.* v. *Bayer Co.*, and Doc. 7159, *Bayer Co.* v. *Diamond Power Specialty Corp.*

1,417,416, C. W. Schoppe, Automobile accessory, suit filed Aug. 26, 1925, D. C., N. D. Calif. (San Francisco), Doc. E 1545, *C. W. Schoppe* v. *A. Coney et al.*

1,430,117, Ross & Rhoads, Store-front construction; 1,430,757, same, window-front construction, appeal filed Aug. 14, 1925, C. C. A., 8th Cir. (St. Louis), Doc. 7132, *Security Metal Products Co. et al.* v. *Kawneer Co.*

1,430,757. (See 1,430,117.)

1,465,387. (See 1,416,553.)

1,505,592, F. W. Epperson, Frozen confectionery, suit filed July 22, 1925, D. C., E. D. N. Y., Doc. 2202, *The Popsicle Corp.* v. *R. Bayer.*

1,515,676, W. F. Grupe, Metallized product; 1,515,722, W. J. Boyd, Transfer metallized medium, suit filed Sept. 14, 1925, D. C., S. D. N. Y., Doc. E 33/268, *Peerless Roll Leaf Co., Inc.*, v. *P. Coughlin et al.*

1,515,722. (See 1,515,676.)

1,519,977, K. B. Harvey, Auto table, suit filed July 8, 1925, D. C., E. D. N. Y., Doc. 2199, *Auto Table Co., Inc., et al.* v. *J. Sieven et al. (Sieven Bros.).*

1,528,425, C. J. Holslay, Metallic-arc cutting and welding apparatus; Re. 16,012, same, Method of electric-arc welding, cutting, and repairing, suit filed July 20, 1925, D. C., E. D. N. Y., Doc. 2204, *Electric Arc Cutting & Welding Co.* v. *E. C. Maxwell Co., Inc.*



1,537,169, H. O. Hem, Check-link mechanism for weighing scales, suit filed Aug. 29, 1925, D. C., E. D. Mich. (S. Div.), Doc. 1132, *Toledo Scale Co.* v. *Barnes Scale Co.*

1,551,069, S. Stanczyk, Automatic blowtorch, suit filed Sept. 10, 1925, D. C. Mass., Doc. E 2472, *D. A. Lenk* v. *Hunt Lasher Co.*

Re. 16,012. (See 1,528,425.)

Des. 57,423, P. I. Ansorge, Lighting-fixture part, suit filed July 1, 1925, D. C., E. D. N. Y., Doc. 2195, *Empire Lighting Fixture Co., Inc.*, v. *S. Kuslansky.*

Des. 67,621, G. Shaib, Knitted blouse, suit filed July 2, 1925, D. C., E. D. N. Y., Doc. 2196, *Star Knitting Mills, Inc.*, v. *M. Dorfman.*

## Disclaimers.

1,110,448.—*Fred F. Main*, Chicago, Ill. TYPEWRITING ATTACHMENT FOR ADDING MACHINES. Patent dated September 15, 1914. Disclaimer filed October 21, 1925, by the assignee, *John T. Underwood.*

Hereby enters his disclaimer to claims numbered 1, 2, 3, 4, 5, 6, 10, 11, 13, 14, 16, 18, 19, and 20, the right to said claims having been established by William S. Gubelmann in interference proceedings Nos. 43,555 and 43,670.

1,208,287.—*Samuel E. Carlin*, Chicago, Ill. CALCULATING MACHINE. Patent dated December 12, 1916. Disclaimer filed October 29, 1925, by the assignee, by mesne assignments, *John T. Underwood.*

Hereby enters his disclaimer to claims numbered 40, 72, and 73, the right to said claims having been established by William S. Gubelmann in interference proceeding No. 43,554.

1,208,288.—*Samuel E. Carlin*, Chicago, Ill. CALCULATING MACHINE. Patent dated December 12, 1916. Disclaimer filed October 29, 1925, by the assignee, by mesne assignments, *John T. Underwood.*

Hereby enters his disclaimer to claims numbered 5, 6, 7, 8, 21, and 23, the right to said claims having been established by William S. Gubelmann in interference proceeding No. 43,578.

## Notice of Publication.

U. S. PATENT OFFICE, *Washington, Oct. 19, 1925.*

*Home Art Masters, Inc., its assigns or legal representatives, take notice:*

An application was filed in this Office by the Library Bureau, of Cambridge, Mass., for cancellation of trade-mark registration No. 97,675, issued June 16, 1914, to Louise Brigham, of 546 East Eighty-ninth Street, New York, N. Y. The assignment records of this Office show a transfer of title of this registration to the Home Art Masters, Inc., a corporation of New York. Since the Office has been unable to obtain the post-office address of the Home Art Masters, Inc., the proceeding can not be instituted. Therefore notice is hereby given that unless said Home Art Masters, Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

## Interference Notices.

U. S. PATENT OFFICE, *Washington, Oct. 21, 1925.*

*Wallace M. Fewel, his assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of the Ivanhoe Fruit Association, Ivanhoe, Calif., for registration of a trade-mark and trade-mark registered July 22, 1924, No. 186,742, to Wallace M. Fewel, Centerville, Calif., and a notice of such declaration sent by registered mail to said Fewel at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Fewel, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Oct. 22, 1925.*

*Harry Leigh Curran, his assigns or legal representatives, take notice:*

An interference has been declared by this Office between applications for patents filed by Louis Carrol Howard, of 612 West One hundred and eighty-fourth Street, New York, N. Y., and Harry Leigh Curran, of 244 West Seventy-sixth Street, New York, N. Y. Counsel for Curran states that the present whereabouts of Curran is unknown to him. Notice is hereby given that unless said Curran, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Oct. 27, 1925.*

*International Shade Co., its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of the Incandescent Supply Company, 468 West Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered June 24, 1913, No. 92,222, to the International Shade Co., 46 Harrison Avenue, Springfield, Mass., and a notice of such declaration sent by registered mail to said International Shade Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said International Shade Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

## Changes in Classification.

Order No. 2,935, October 31, 1925, provides:

In *class 1, Nailing and Stapling* (Division 11), establish the following subclasses and definitions, the patents contained therein having been taken for the most part from class 1, Nailing and Stapling, subclasses 46, Implements, Nail driving, Magazine, and 50, Implements, Staple setting:

**Implements**
Nail driving
Magazine
46.1 Pneumatic.
49.4 **Belt-hook inserters.**

46.1. IMPLEMENTS, NAIL DRIVING, MAGAZINE, PNEUMATIC. Nail-driving implements of the magazine type in which the driver is operated by pneumatic means.

49.4. BELT-HOOK INSERTERS. Devices for inserting along the ends of a belt belt hooks to receive the connecting member for the ends of the belt.

In *class 23, Chemistry* (Division 6), in subclass 20, Compounds, Rare-element-compound recovery, Treatment, in the third line of the definition cancel the word "earth;" in subclass 111, Compounds, Salts, Silicon, Base exchange, add to the second note following the definition the following: *and comoination processes and apparatus for treating water and regenerating the base exchange material;* in subclass 113, Compounds, Salts, Silicon, Base exchange, Wet methods, Precipitate, add to the definition the following: *This subclass contains processes forming jellies as well as gelatinous precipitates with a free liquid phase;* in subclass 132, Compounds, Salts, Sulphur, Sulphites, Bisulphites, Towers, change the last word of the title to read *Tower;* in subclass 133, Compounds, Salts, Sulphur, Sulphites, Bisulphites, Tanks, change the last word of the title to read *Tank;* in subclass 224, Nonmetals, Sulphur, add to the definition the following note: *Note.—Colloidal sulphur and sulphur sols made*

*by chemical reaction are found in this class, while those made by physical means are found in class 252, Substance Preparation, subclass 6, Colloids and suspensoids;* and in subclass 291, Apparatus, Chamber elements, insert after the word "process" in the second line of the definition the following: *and other minor parts and components of such chambers as are classified above.*

In *class 28, Textiles* (Division 21), change the titles of subclasses 59, Finishing thread, With liquid treatment; 60, Finishing thread, With liquid treatment, Silk type; and 61, Finishing thread, With liquid treatment, Heating or drying, to read:

**Finishing thread**
59 With fluid treatment
60 Silk type
61 Heating or drying;

abolish the definition of subclass 59, and establish in lieu thereof the following definition:

59. FINISHING THREAD, WITH FLUID TREATMENT. The finishing treatment includes the application of gas or liquid.

**Search Classes—**
8—BLEACHING AND DYEING, appropriate subclasses.
91—COATING, appropriate subclasses;

and in the definition of subclass 61 change the last word in the third line, "liquid," to *fluid.*

In *class 122, Liquid Heaters and Vaporizers* (Division 46), subclass 412, Feed heaters, add to the definition the following note:

Note.—For power plants combined with feed-water heaters see class 60, POWER PLANTS, subclasses 4, Combined with heater, Heating water, By furnace gases and steam; 5, Combined with heater, Heating water, By steam; 64, Exhaust treatment; 66, Exhaust treatment, Reexpansion, Tapping; 67, Exhaust treatment, Reexpansion, Tapping, Turbine; 94, Exhaust treatment, Fluid mingling, Liquid; and 95, Exhaust treatment, Cooling. For Chemical treatment with heating see class 210, LIQUID SEPARATION OR PURIFICATION, subclass 34, Water purification, Chemical treatment, Chemical feeders, Steam or condensed steam. For condensers with feed heaters see class 257, HEAT EXCHANGE, subclass 31, Condensers, Surface, Feed-heater type. For structures of feed heaters per se see the structural subclasses in class 257, HEAT EXCHANGE. For feed heaters in which the steam and water come into contact see structural subclasses in class 261, GAS AND LIQUID CONTACT APPARATUS;

and in subclass 441, Feed heaters, Steam, add to the definition the following note:

Note.—See note to this class, subclass 412.

In class *171, Electricity, Generation* (Division 26), abolish the following subclass, the patents formerly contained therein having been placed for the most part in class 171, Electricity, Generation, subclass 97, Systems of distribution, and also in subclasses 327, Electromechanical, nonmagnetic; 328, Electromechanical, nonmagnetic, Friction; and 329, Electromechanical, nonmagnetic, Electrostatic induction, established in this order:

23 **Friction generators.**

In *class 171, Electricity, Generation* (Division 26), establish the following subclasses, the patents contained therein having been taken for the most part from class 171, Electricity, Generation, subclass 23, Friction generators, abolished in this order:

327 **Electromechanical, nonmagnetic**
328 Friction.
329 Electrostatic induction.

In *class 180, Motor Vehicles* (Division 10), establish the following subclass and definition, the patents contained therein having been taken from class 180, Motor Vehicles, subclasses 69, Power, Hoods, and 90, Bodies, Dashboards.

Power
Hoods
69.01 Water deflectors.

69.01. POWER, HOODS, WATER DEFLECTORS. Devices forming a part of the hood or adapted for use with a conventional hood for deflecting water from the engine compartment of a motor vehicle.

*In class 187, Elevators* (Division 47), abolish the following subclass with its definition, the patents formerly contained therein having been placed in class 214, Material or Article Handling, subclass 46.5, Roadway vehicle loading or unloading, With external cooperating means, Vehicle unloading, Vertically-movable track section, established in this order:

**Portable**
9.5 Wagon-dump type.

In *class 214, Material or Article Handling* (Division 4), establish the following subclass and definition, the patents contained therein having been taken for the most part from class 187, Elevators, subclass 9.5, Portable, Wagon-dump type, abolished in this order:

**Roadway vehicle loading or unloading**
With external cooperating means
Vehicle unloading
46.5 Vertically-movable track section.

46.5. ROADWAY VEHICLE LOADING OR UNLOADING, WITH EXTERNAL COOPERATING MEANS, VEHICLE UNLOADING, VERTICALLY-MOVABLE TRACK SECTION. A vertically movable track or support upon which the wheels of one end of a vehicle can be run and which is designed by vertical movement to elevate one end of the vehicle to facilitate dumping thereof.

In *class 83, Mills* (Division 25), abolish the following subclasses, the patents formerly contained therein having been placed for the most part in class 209, Classifying, Separating, and Assorting Solids, established in this order:

**Amalgamators**
65 Electric,
66 Lead,
67 Mercury,
68 Plate,
69 Vacuum,
70 Vapor,
92 **Assorters, miscellaneous automatic.**
74 **Chip graders.**
**Chop graders**
50 Bran dusters, beaters,
51 Bran dusters, brushes,
49 Electric purifiers,
40 Gravity,
39 Rotary bolts,
38 Shaking bolts,
**Ore and coal**
Separators
54 Dry,
58 Jiggers
79 Piston movement,
80 Sieve movement,
71 Magnetic,
59 Washers
81 Agitators and conveyers,
82 Classifying and separating tanks,
83 Endless apron,
84 Processes
85 Buoyant,
86 Rotary drums, horizontal axis,
87 Rotary pans and stirrers, vertical axis,
88 Shaking tables,
89 Stationary troughs and tables,
56 Sifters and screens
60 Household.

In *class 130, Threshing* (Division 25), abolish the following subclasses, the patents formerly contained therein having been placed for the most part in class 209, Classifying, Separating, and Assorting Solids, established in this order:

12 **Fans and regulators.**
32 **Fruit and vegetable separators.**
**Grain separators**
17 Gravity,
18 Oat, seed, and garlic,
16 Rotary screens,
19 Screens and riddles,
15 Shaking screens.

Establish, in Division 25, class 209, Classifying, Separating, and Assorting Solids, with the subclasses indicated in the new loose leaf now being published for insertion in the Manual of Classification, the patents contained therein having been taken for the most part from class 83, Mills, subclasses 38–40, 49–51, 54, 56, 58–60, 65–71, 74, 79–89, 92, abolished in this order, and class 130, Threshing, subclasses 12, 15–19, 32, abolished in this order.

Lists of subclasses with definitions may be seen in the Classification Division, Room 165.

# TRADE-MARKS

## OFFICIAL GAZETTE, NOVEMBER 17, 1925.

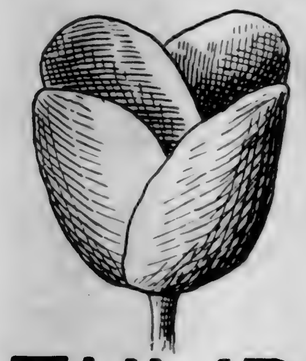
[VOL. 340. No. 3.]

**The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.**

**Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.**

**As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.**

Ser. No. 149,888. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUGENE S. COCHRAN, Washington, D. C. Filed July 1, 1921.



TULIP

*Particular description of goods.*—Pineapples in Their Natural State, Coffee, and Fresh Vegetables and Fruits—to wit, Sweet Potatoes, Irish Potatoes, Yams, Tomatoes, Lima Beans, Peas, Carrots, Cabbages, Lettuce, Spinach, Corn, Radishes, Beets, Onions, Eggplants, Peppers, Melons, Bananas, Alligator Pears, Pumpkins, Squashes, Turnips, Cucumbers, Rhubarb, and Mint; Honey, Salad Dressing, and also Cooked Canned Poultry, Beef, Lamb, Pork, and Game.

*Claims use* since about Apr. 25, 1921.

Ser. No. 173,728. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. SCHILLING & Co., San Francisco, Calif. Filed Dec. 22, 1922.

WINGS OF 'THE MORNING

*Particular description of goods.*—Coffee, Ground or Pulverized.

*Claims use* since Oct. 3, 1922.

Ser. No. 180,675. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WEIMARFARBE, GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Weimar, Germany. Filed May 15, 1923.

*Particular description of goods.*—Artists' Oil Colors.

*Claims use* since April, 1922.

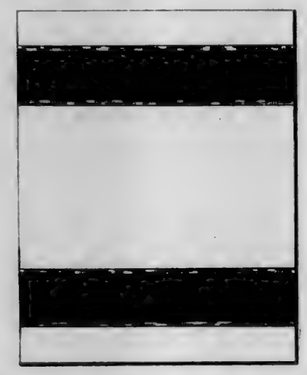
Ser. No. 184,949. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY WEINSTEIN, doing business as Purafect Products Co., Brooklyn, N. Y. Filed Aug. 24, 1923.

The words "Purity, Fragrance, Refinement" are disclaimed apart from the mark shown.

*Particular description of goods.*—Preparation for Perfuming, Softening, and Disinfecting Water, Put Up in Liquid, Powder, Tablet, or Cream Form, Cold Cream, Lip Salve, Rouge, Face Powder, Hand Creams and Lotions, Face Creams and Lotions, Skin Bleaches; Remedies for Sunburn, Freckles, and Liver Spots; Talcum Powder, Foot Remedies in Powder, Liquid, or Soap Form; Toilet Waters, Tooth Powder, Tooth Paste, Mouth Washes, Hair Tonic, Liquid Shampoo, Depilatories, Deodorant, Antiseptics, Perfumery, Glycerin Lotions, and Face Enamel.

*Claims use* since about May 15, 1923.

Ser. No. 198,202. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TONE BROTHERS, Des Moines, Iowa. Filed June 6, 1924.



The mark consists of parallel black bands or stripes with narrower gold stripes at the edges thereof, as shown in the specimens. The drawing is conventionally lined for the color gold.

*Particular description of goods.*—Coffee, Tea, Spices, Food-Flavoring Extracts; Flavoring Seeds—namely, Mustard, Celery, Cardamom, Coriander, Carhway, Anise, Fennel, Dill, Cumin, and Poppy Seed.

*Claims use* since 1918.

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Ser. No. 198,553. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed June 14, 1924.

**Old Faithful**

*Particular description of goods*—Paper-Wrapped Pencils, Crayons, Chalk Crayons, Pressed Crayons, Wax Crayons, Pastel Crayons, and Pencils.

*Claims use* since 1914.

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Ser. No. 198,937. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. P. CHEMICAL & DRUG CO., INC., New York, N. Y. Filed June 21, 1924.

The letters "C. P." are disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Pharmaceutical Preparations for Human Use and Veterinary Purposes to Be Employed for Treatment of Gonorrhea, Vulvovaginitis, Blenorrhea, Constipation, Atonic and Spastic Obstipation, Ingestional Stasis, Hypersecretion, Hyperacidity, Hyperæsthesia of the Stomach Lining, Gastric and Duodenal Ulcer, Neurasthenia, Hysteria, Nervous Insomnia, Palpitation of the Heart, Alcoholism, Gout, Rheumatism, Neuritis, Neuralgia, Inflammation of Different Organs Such as Nose, Pharynx, Larynx, etc., to Be Administered by Injections, Rinsing, or by Means of Tampons, Brushes, etc.

*Claims use* since September, 1922.

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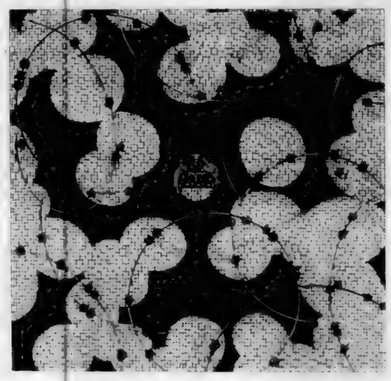
Ser. No. 199,084. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER & GALLET, Paris, France. Filed June 24, 1924.



The drawing is lined to indicate the colors gold, green, and black.

*Particular description of goods.*—Toilet Preparations—Namely, Pastes and Powders for Beautifying and Preserving the Skin, Hair, and Teeth—and Perfumery.

*Claims use* since February, 1923.

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Ser. No. 199,085. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER & GALLET, Paris, France. Filed June 24, 1924.

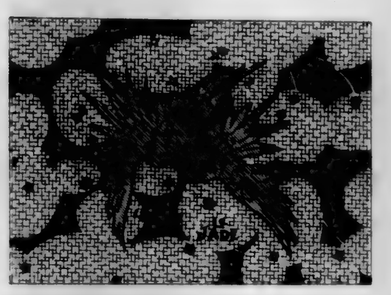
The drawing is lined to indicate the colors gold, green, and black.

*Particular description of goods.*—Toilet Preparations—Namely, Pastes and Powders for Beautifying and Preserving the Skin, Hair, and Teeth—and Perfumery.

*Claims use* since February, 1923.



Ser. No. 199,086. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER & GALLET, Paris, France. Filed June 24, 1924.



The drawing is lined to indicate the colors gold, green, and black.

*Particular description of goods.*—Toilet Preparations—Namely, Pastes and Powders for Preserving and Beautifying the Skin, Hair, and Teeth—and Perfumery.

*Claims use* since February, 1923.

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Ser. No. 199,294. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924. Under ten-year proviso.

ORIGINAL ROCKFORD

No exclusive claim is made to the word "Original" apart from the mark as shown. The mark consists in the words "Original Rockfords."

*Particular description of goods.*—Hosiery.

*Claims use* since 1914.

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Ser. No. 199,295. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.

THE OLD ORIGINAL ROCKFORD SOCK

Trade-mark consists of the words "The Old Original Rockford Sock." No claim is made to the word "Sock" apart from the mark shown.

*Particular description of goods.*—Hosiery.

*Claims use* since 1914.

Ser. No. 200,013. (CLASS 39. CLOTHING.) SAWYER SHOE CO., INC., New York, N. Y. Filed July 14, 1924.

*Particular description of goods.*—Leather, Rubber, and Fabric Shoes for Men, Boys, and Youths.

*Claims use* since 1922.

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Ser. No. 200,517. (CLASS 39. CLOTHING.) NATIONAL DEPARTMENT STORES INC., New York, N. Y. Filed July 25, 1924.

NADSCO

*Particular description of goods.*—Suits and Coats for Men and Boys; Dresses and Coats for Women, Children's Coats, Skirts and Waists; Underwear, Textile and Knitted for Men, Women, and Children; Fur Garments—viz., Cloaks, Stoles, Chokers, and Neck Pieces; Kimonos, Children's Dresses; Hosiery for Men, Women, and Children; Corsets and Neckties; Skin and Fabric Gloves; Hats for Men, Women, and Children; Men's and Boys' Clothing in One, Two, Three, and Four Piece Garments; and Overcoats; Shoes for Men, Women, and Children Made from Leather or Fabric, or Combinations Thereof; and Sweaters.

*Claims use* since Apr. 10, 1924.

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Ser. No. 200,961. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMIL RATH, doing business as Vial & Uhlmann, Frankfort-on-the-Main, Germany. Filed Aug. 4, 1924.

Bismolan

*Particular description of goods.*—Medicinal and Hemorrhoidal Preparations.

*Claims use* since June 10, 1903.

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Ser. No. 201,319. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ATLAS ASBESTOS COMPANY, North Wales, Pa. Filed Aug. 13, 1924.

BODYGARD

*Particular description of goods.*—Ford Transmission Lining.

*Claims use* since July 1, 1924.

Ser. No. 202,366. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZONITE PRODUCTS COMPANY, New York, N. Y. Filed Sept. 8, 1924.

*Particular description of goods.*—Antiseptic, Germ Destroyer, Disinfectant, Deodorant, and Bleach.
*Claims use* since July 25, 1924.

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Ser. No. 202,563. (CLASS 39. CLOTHING.) NOBILITY GLOVES, INC., New York, N. Y. Filed Sept. 12, 1924.

Nobility

*Particular description of goods.*—Gloves of Leather and Like Material.
*Claims use* since Apr. 22, 1924.

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Ser. No. 203,304. (CLASS 33. GLASSWARE.) BIG BILL BOTTLING COMPANY, Winston-Salem, N. C. Filed Oct. 2, 1924.

BIG BILL

*Particular description of goods.*—Glass Bottles.
*Claims use* since Sept. 15, 1924.

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Ser. No. 203,738. (CLASS 33. GLASSWARE.) THE MILLER COMPANY, Meriden, Conn., and New York, N. Y. Filed Oct. 11, 1924.

IVADINE

*Particular description of goods.*—Glass Globes and Reflectors for Artificial Light.
*Claims use* since July 1, 1920.

Ser. No. 204,295. (CLASS 32. FURNITURE AND UPHOLSTERY.) L. BAMBERGER & COMPANY, Newark, N. J. Filed Oct. 23, 1924.

Charm Shop

*Particular description of goods.*—Household Furniture—Namely, Tables, Chairs, Desks, Telephone Stands, Stools, Chests, Frames, Mirrors, Cabinets, and Aquarium Stands.
*Claims use* since about Sept. 1, 1924.

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Ser. No. 204,739. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VICTOR VIVAUDOU, New York, N. Y. Filed Nov. 1, 1924.

Pleasant Memories

*Particular description of goods.*—Face Powders, Face Creams, Perfumes, Toilet Waters, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Talcum Powders, Rouges, Nail Polishes, Face Packs, Deodorizing Preparations, and Sachet Powders.
*Claims use* since Oct. 14, 1924.

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Ser. No. 204,899. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRIED, MENDELSON & COMPANY, New York, N. Y. Filed Nov. 6, 1924.

VELV-O-ROY

*Particular description of goods.*—Silk, Cotton, and Silk and Cotton Mixture Piece Goods.
*Claims use* since Sept. 10, 1924.

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Ser. No. 204,918. (CLASS 39. CLOTHING.) THE MALINE MILLS COMPANY, Winston-Salem, N. C. Filed Nov. 6, 1924.

Nu-kut

*Particular description of goods.*—Knit Underwear.
*Claims use* since Oct. 27, 1924.



Ser. No. 204,982. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE UNITED STATES MATCH CORPORATION, Chicago, Ill. Filed Nov. 7, 1924.

American Family Matches

The word "Matches" is disclaimed apart from the mark shown.
*Particular description of goods.*—Matches.
*Claims use* since June 6, 1924.

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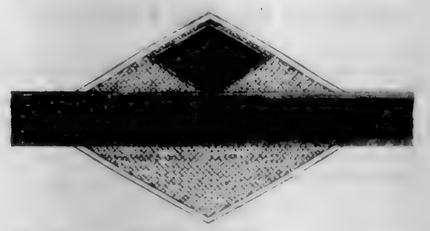
Ser. No. 205,251. (CLASS 15. OILS AND GREASES.) HENRY C. THOMPSON, Hartford, Conn., assignor to The Thompson Specialties, Inc., Springfield, Mass., a Corporation of Massachusetts. Filed Nov. 13, 1924.



The colors consist of the colors blue and yellow, as shown in the color lines therein.
*Particular description of goods.*—Oils and Greases—Namely, Gear Greases, Cup Greases, and Penetrating Oils.
*Claims use* since Oct. 31, 1924.

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Ser. No. 206,495. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIMON ROSENTHAL, doing business as Wholesale Brokerage Co., New York, N. Y. Filed Dec. 9, 1924.

S.R.

*Particular description of goods.*—Epsom Salts, Castor Oil, Spirits of Camphor, Tincture of Iodine, Tincture of Opium, Quinine, Borax, Sodium Bicarbonate, Tincture of U. S. P. Double-Strength Ginger, Senna Leaves, Licorice, and Sulphur.
*Claims use* since Nov. 22, 1924.

Ser. No. 206,939. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WILLIAM RALPH CALHOUN, doing business as Red Chief Rubber Company, Fort Worth, Tex. Filed Dec. 19, 1924.

RED CHIEF

*Particular description of goods.*—Inner Tubes for Tires.
*Claims use* since September, 1922.

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Ser. No. 208,044. (CLASS 15. OILS AND GREASES.) CORNING OIL COMPANY, INC., New York, N. Y. Filed Jan. 13, 1925.

ACORN ING BRAND

*Particular description of goods.*—Lubricating Oils and Greases.
*Claims use* since Jan. 1, 1894.

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Ser. No. 208,250. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. G. MICKE, Lodi, Calif. Filed Jan. 17, 1925.

RACE TRACK

*Particular description of goods.*—Fresh Grapes.
*Claims use* since Sept. 1, 1912.

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Ser. No. 208,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARMONY CREAMERY COMPANY, Pittsburgh, Pa. Filed Jan. 26, 1925.

"From the cow to you in glass"

No claim is made for the use of the printed matter appearing upon the illustration of the car except in conjunction with the remaining features of the mark.
*Particular description of goods.*—Milk, Buttermilk, and Cream.
*Claims use* since Dec. 4, 1924.

Ser. No. 208,655. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARMONY CREAMERY COMPANY, Pittsburgh, Pa. Filed Jan. 26, 1925.

No claim is made for the use of the printed matter appearing upon the illustration of the car except in conjunction with the remaining features of the mark.

*Particular description of goods.*—Milk, Buttermilk, and Cream.

*Claims use* since Dec. 4, 1924.

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Ser. No. 208,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HACO GESELLSCHAFT A.-G. BERN, Gumligen, Switzerland. Filed Jan. 29, 1925.

TEX TON

*Particular description of goods.*—Condiments, Sauces, Bouillon Cubes, and Soup Tablets All Containing Chemically-Decomposed Vegetable Albumen.

*Claims use* since July 7, 1923.

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Ser. No. 210,125. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEEN, ROBINSON & COMPANY LIMITED, London, England. Filed Feb. 25, 1925.

The exclusive use of all of the wording upon drawing is disclaimed with the exception of the facsimile signature "Matts. Robinson" and applicant's name apart from the mark shown on drawing.

*Particular description of goods.*—Barley.

*Claims use* since 1862.

Ser. No. 210,368. (CLASS 39. CLOTHING.) DURABLE RUBBER CORPORATION, Detroit, Mich. Filed Mar. 2, 1925.

FIT-FAST

*Particular description of goods.*—Shoe Heels.

*Claims use* since Feb. 1, 1925.

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Ser. No. 210,738. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN M. MASSLON, doing business as Cit-Rhu Mfg. Co., McKees Rocks, Pa. Filed Mar. 9, 1925.

**Masslon's Cit-Rhu Compound**

No claim is made to the words "Masslon's Compound" apart from the mark shown on the drawing.

*Particular description of goods.*—Effervescent Compound for Rheumatism, Kidney, Liver, and Bladder Trouble, Constipation, Headache, Dyspepsia, Stomach and Intestinal Trouble, Piles, and Skin Diseases.

*Claims use* since 1922.

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Ser. No. 210,847. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KNICKERBOCKER CHOCOLATE CO., New York, N. Y. Filed Mar. 11, 1925.

*Particular description of goods.*—Sweet Milk Chocolate Cut in Fancy Shapes and Figures.

*Claims use* since Nov. 10, 1924.

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Ser. No. 210,943. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) WOLO A.-G. (WOLO LTD.), Zurich, Switzerland. Filed Mar. 12, 1925.

„EMPYROL"

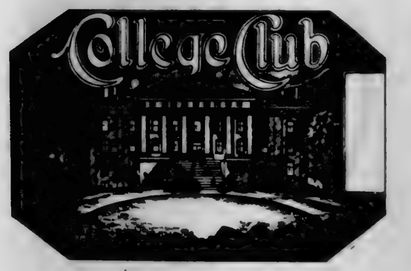
*Particular description of goods.*—Pharmaceutical Preparation Used for Preparing Tar Baths for the Treatment of Chronic Skin Diseases and Rheumatic Diseases.

*Claims use* since 1909.



Ser. No. 211,171. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEXINGTON COFFEE COMPANY, Lexington, Ky. Filed Mar. 17, 1925.

College Club




*Particular description of goods.*—Coffee.

*Claims use* since Jan. 17, 1925.

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Ser. No. 211,193. (CLASS 39. CLOTHING.) NATHAN WILSON, New York, N. Y. Filed Mar. 17, 1925.

Ritzy Miss

*Particular description of goods.*—Women's Outer Garments—Namely, Waists, Overblouses, Capes, Sweaters, Skirts, Dresses, Suits, and Coats.

*Claims use* since Mar. 2, 1925.

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Ser. No. 211,722. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH W. STEVENS, New York, N. Y. Filed Mar. 26, 1925.

MERCOFUM

*Particular description of goods.*—Substance for Use in the Treatment of Syphilis.

*Claims use* since December, 1924.

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Ser. No. 211,723. (CLASS 33. GLASSWARE.) L. W. TIFFANY, Winsted, Conn. Filed Mar. 26, 1925.

Get-Ezy

*Particular description of goods.*—Glass Pin Trays or Holders.

*Claims use* since Oct. 1, 1924.

Ser. No. 211,951. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SEATTLE PAINT COMPANY, Seattle, Wash. Filed Mar. 31, 1925.

LIGHTNIN

*Particular description of goods.*—Ready-Mixed Paints, Paint Enamels, Stains, Varnishes, and Lacquers.

*Claims use* since Sept. 15, 1924.

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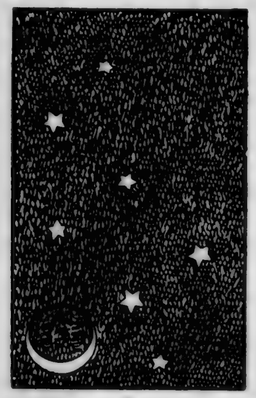
Ser. No. 212,432. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 9, 1925.



*Particular description of goods.*—Perfumes and Hygienic Products—Namely, Bath Salts, Compacts, Refills, Cold Creams, Face Packs, Shampoos, Skin Creams, Sachets; Toilet Powders, Such as Face, Sachet, Talcum, and Toilet Dusting Powders; Eyedrops, Toilet Waters, Toilet Extracts, Cologne, Cologne Water, Smelling Salts, Aromatic Vinegars, Rouges, Skin Bleaches, Lip Sticks, Vanishing Creams, Beauty Clay, Facial Paints, Eyebrow Pencils, and Hair, Face, Hand, and Foot Lotions.

*Claims use* since Mar. 10, 1924.

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Ser. No. 212,909. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOOTHILL GROVES, Yorba Linda, Calif. Filed Apr. 18, 1925.

Friendly

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Fresh Oranges, Lemons, and Grapefruit.

*Claims use* since January, 1925.

Ser. No. 213,012. (CLASS 38. PRINTS AND PUBLICATIONS.) DOUBLEDAY, PAGE & CO., Garden City, N. Y. Filed April 20, 1925.

**RADIO BROADCAST**

*Particular description of goods.*—Magazine Issued Monthly.
*Claims use* since Apr. 15, 1922.

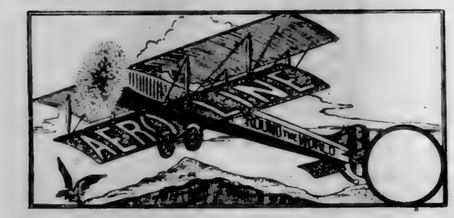
Ser. No. 213,042. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ATTILIO PIERINI, doing business as Great Northern Fur Dyeing and Dressing Company, Springfield Gardens, N. Y. Filed Apr. 20, 1925.

NORTHERN BEVRE

TRADE MARK

No claim is made to the word "Bevre" apart from the mark as shown.
*Particular description of goods.*—Raw and Dressed Skins and Pelts Treated to Resemble Beaver.
*Claims use* since on or about Jan. 1, 1924.

Ser. No. 213,123. (CLASS 39. CLOTHING.) ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Apr. 22, 1925.




*Particular description of goods.*—Rubber and Leather Shoes.
*Claims use* since about Apr. 1, 1925.

Ser. No. 213,510. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEINE & CO., New York, N. Y. Filed Apr. 29, 1925.

**VIODORON**

*Particular description of goods.*—Essential Oils Suitable for Perfumery Purposes.
*Claims use* since Dec. 26, 1924.

Ser. No. 213,517. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. A. MARTOCCIO COMPANY, Minneapolis, Minn. Filed Apr. 29, 1925.

**BIG TIME**

**FOR A DIME**

The words "For a Dime" are disclaimed except in association with the words "Big Time."
*Particular description of goods.*—Candy Bars.
*Claims use* since Nov. 15, 1924.

Ser. No. 213,809. (CLASS 12. CONSTRUCTION MATERIALS.) TEXAS PORTLAND CEMENT CO., Dallas, Tex. Filed May 4, 1925.

**LONE STAR**

*Particular description of goods.*—Portland Cement.
*Claims use* since Feb. 17, 1925.

Ser. No. 214,229. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARMAND COMPANY, Des Moines, Iowa. Filed May 13, 1925.

*Eau de Cologne Cleansing Cream*

Applicant disclaims the exclusive use of the words "Eau de Cologne Cleansing Cream" apart from the entire mark.
*Particular description of goods.*—Cleansing Cream.
*Claims use* since April, 1925.

Ser. No. 214,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PACKING CORPORATION, San Francisco, Calif. Filed May 15, 1925.

**TROPIC BIRD**

Trade-mark consists of the words "Tropic Birds."
*Particular description of goods.*—Dried Fruits.
*Claims use* since 1900.



Ser. No. 214,433. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) NEW-YORK HAMBURGER GUMMI-WAAREN COMPAGNIE, Hamburg, Germany. Filed May 16, 1925.

NYH

*Particular description of goods.*—Combs, Hairpins, Hair Buckles, and Hair Clasps, All Other Than Precious-Metal Ware.
*Claims use* since Mar. 26, 1924.

Ser. No. 214,552. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOWARD E. JONES & CO., Baltimore, Md. Filed May 19, 1925.

*Wonderful*

*Particular description of goods.*—Canned Vegetables.
*Claims use* since Feb. 4, 1925.

Ser. No. 214,637. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACTINIUM DEVELOPMENTS LIMITED, London, England. Filed May 21, 1925.

**ETHERIUM**

*Particular description of goods.*—Preparation for the Prevention or Removal of Scale from Boilers and for Similar Anticorrosive Purposes.
*Claims use* since about Dec. 5, 1924.

Ser. No. 214,648. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COOK-TAYLOR CO., INC., Fall River, Mass. Filed May 21, 1925.

C C

*Particular description of goods.*—Band-Tying Tools and Weights for Textile Machines.
*Claims use* since May, 1921.

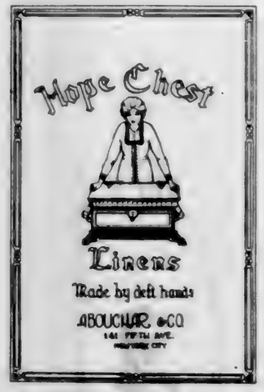


Ser. No. 214,753. (CLASS 39. CLOTHING.) THE SILVERITE CO., Boston, Mass. Filed May 22, 1925.

**AEROWALK**

Trade-mark consists of the word "Aerowalk."
*Particular description of goods.*—Heel Cushions.
*Claims use* since Dec. 1, 1924.

Ser. No. 214,836. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ABOUCHAR & CO., New York, N. Y. Filed May 25, 1925.




No claim is made to the words "Linens," "Made by Deft Hands," and "Abouchar & Co., 141 Fifth Ave., New York City" apart from the mark as shown in the drawing. The portrait appearing on the drawing is fanciful.
*Particular description of goods.*—Linen Piece Goods.
*Claims use* since February, 1925.

Ser. No. 214,976. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) S. L. PRODUCTS COMPANY, Philadelphia, Pa. Filed May 27, 1925.

**Link**

*Particular description of goods.*—Compounds for Polishing and Protecting Surfaces, Possessing Incidentally the Properties of a Cleaner.
*Claims use* since March, 1924.

Ser. No. 215,045. (CLASS 39. CLOTHING.) MARCUS BRDIM'S SONS, New York, N. Y. Filed May 29, 1925.

**Suede-Tex**

Applicant disclaims the word "Suede" apart from the trade-mark as shown in the drawing.
*Particular description of goods.*—Wearing Apparel—Namely, Men's, Women's, Boys', Girls', and Children's Dress, Negligee, and Work Shirts, and Blouses.
*Claims use* since Dec. 3, 1924.

Ser. No. 215,058. (CLASS 39. CLOTHING.) DESMOND CLOTHING COMPANY, Los Angeles, Calif. Filed May 29, 1925.

PREPSTYLE

*Particular description of goods.*—Men's Wearing Apparel—Namely, Men's and Boys' Suits, Consisting of Coat, Vest, and Trousers, Knickers, Overcoats, Everyday Shirts, Ties, Collars, Sweaters, Men's and Boys' Hats, Men's and Boys' Caps, and Leather Shoes.
*Claims use* since Aug. 1, 1924.

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Ser. No. 215,133. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIDNEY CAPLAN, doing business as Sid's Remedy Co., Chicago, Ill. Filed June 1, 1925.

The picture is that of applicant.
*Particular description of goods.*—Remedy Used in the Treatment of Rheumatism.
*Claims use* since January, 1924.

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Ser. No. 215,157. (CLASS 39. CLOTHING.) E. S. LEVY & COMPANY, Galveston, Tex. Filed June 1, 1925.

Applicant disclaims exclusive right to the use of the word "Levy's" except in the particular arrangement and association in which it appears in the mark shown in the drawing.
*Particular description of goods.*—Leather Shoes.
*Claims use* since Feb. 25, 1925.

Ser. No. 215,204. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LEO. FRANKENFELD, Hoboken, N. J. Filed June 2, 1925.

MINUTE

*Particular description of goods.*—Exercising Apparatus Comprising a Floor Board on Which the User Stands and to Which Exercising Devices are Attached.
*Claims use* since May 23, 1925.

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Ser. No. 215,220. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. A. RANSING SONS, doing business as Lancaster Vinegar Co., Lancaster, Pa. Filed June 2, 1925.

HEALTH'S SAKE

*Particular description of goods.*—Sauerkraut.
*Claims use* since Apr. 29, 1925.

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Ser. No. 215,297. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) N. FLUEGELMAN & CO., INC., New York, N. Y. Filed June 4, 1925.

RAYOLA

*Particular description of goods.*—Fabric of Silk and Cotton for Slips, Linings, Lingerie, Draperies, Fancywork, Dresses, Hats, Sport Shirts, Bed Coverings, and Table Covers.
*Claims use* since July 3, 1924.

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Ser. No. 215,469. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MID-CENTRAL FISH COMPANY, Kansas City, Mo. Filed June 8, 1925.

Bespakt

*Particular description of goods.*—Catchup, Pickles, Pickled Onions, Canned Fish, Fresh Fish, Smoked Fish, Salted Fish, Olives, Canned Fruits, and Canned Vegetables.
*Claims use* since about Jan. 1, 1919.

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Ser. No. 215,766. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SAFETY AIR BRAKE COMPANY, Philadelphia, Pa. Filed June 13, 1925.

SAFETY AIR BRAKE CO.

The name of the company is disclaimed except in the form shown.
*Particular description of goods.*—Air Brakes and Parts Thereof for Motor-Driven Vehicles.
*Claims use* since about May 7, 1923.



Ser. No. 215,871. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALBERTA MILLER, doing business as Wizard Products Co., Elizabethtown, Ky. Filed June 16, 1925.

MIST

THE SUPER-CLEANER

No claim is made to the words "The Super-Cleaner" apart from the trade-mark shown on the drawing.
*Particular description of goods.*—Cleaning Compound in the Form of a Granular Powder used in Water and Adapted for General Cleaning Purposes.
*Claims use* since Nov. 1, 1924.

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Ser. No. 215,931. (CLASS 39. CLOTHING.) HOOD RUBBER COMPANY, Watertown, Mass. Filed June 17, 1925.

EXCEL

*Particular description of goods.*—Rubber Heels, Rubber Soles, Rubber Boots, Rubber Shoes, Rubber Overshoes, and Rubber-Sole Canvas Shoes.
*Claims use* since Feb. 1, 1924.

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Ser. No. 216,447. (CLASS 37. PAPER AND STATIONERY.) THE APPLETON COATED PAPER COMPANY, Appleton, Wis. Filed June 26, 1925.

White PORCELAIN ENAMEL Shelf Paper

The words "White" and "Enamel Shelf Paper" appearing on the drawing are hereby disclaimed apart from the mark shown.
*Particular description of goods.*—White Shelf Paper Surface Coated One Side With China Clay and Calendered to Give it a Glossy Finish.
*Claims use* since Nov. 1, 1924.

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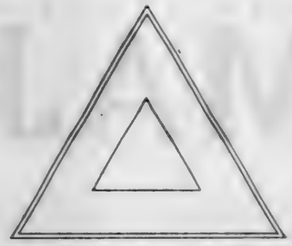
Ser. No. 216,464. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE S. JACKSON, doing business as Jackson Pharmacal Co., Rockford, Ill. Filed June 26, 1925.

*Particular description of goods.*—Laxative.
*Claims use* since Jan. 1, 1925.

Ser. No. 216,497. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENDIX & FIBER, INC., New York, N. Y. Filed June 27, 1925.



LUX

*Particular description of goods.*—Silk Piece Goods Woven and Knitted, Printed Piece Goods, All Silk or Mixtures of Silk and Artificial Silk, Artificial Silk, and Cotton, Silk and Wool, or Artificial Silk and Wool, and Printed All-Silk Piece Goods.
*Claims use* since May 1, 1925.

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Ser. No. 216,841. (CLASS 32. FURNITURE AND UPHOLSTERY.) LOUISVILLE BEDDING COMPANY, Louisville, Ky. Filed July 3, 1925.

SOLID COMFORT

*Particular description of goods.*—Mattresses and Pillows.
*Claims use* since about Jan. 2, 1920.

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Ser. No. 216,922. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) METTLER FRUIT CO., Shafter, Calif. Filed July 6, 1925.

POLAR

*Particular description of goods.*—Fresh Deciduous Fruits and Fresh Grapes.
*Claims use* since Jan. 10, 1925.

Ser. No. 216,930. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DAVID R. KNAPP, Philadelphia, Pa. Filed July 7, 1925.

MAJ

*Particular description of goods.*—Nonsaponaceous Cleaning Compound in Powder Form to be Mixed With Water by the User.
*Claims use* since Apr. 20, 1925.

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Ser. No. 217,006. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWIN R. BUDD, Cleveland, Ohio. Filed July 8, 1925.

Budd's

The surname "Budd's" appearing on the drawing is disclaimed apart from the mark as shown.
*Particular description of goods.*—Preparation for the Treatment of Asthma, Hay Fever, and Catarrh.
*Claims use* since June 21, 1920.

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Ser. No. 217,062. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. E. BARKER & CO. OF CALIF., Los Angeles, Calif. Filed July 9, 1925.

UNITY

*Particular description of goods.*—Fresh Vegetables.
*Claims use* since May 20, 1925.

Ser. No. 217,132. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARBONELL Y CIA., Cordoba, Spain. Filed July 10, 1925.

Aceite Puro de Oliva Selecto

"Mezquita"

No rights are asserted to the exclusive use of the words "Aceite Puro de Oliva Selecto" apart from the mark as shown in the drawing.
*Particular description of goods.*—Olive Oils.
*Claims use* since May 22, 1924.

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Ser. No. 217,191. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) E. S. TWINING & COMPANY, New York, N. Y. Filed July 10, 1925.

FLIGHTEX FABRIC

No claim is made to the exclusive use of the word "Fabric" apart from the mark shown on the drawing.
*Particular description of goods.*—Cotton, Linen, or Silk Textile Fabrics in the Piece Treated With Rubber or Other Proofing Material.
*Claims use* since June 17, 1925.

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Ser. No. 217,208. (CLASS 15. OILS AND GREASES.) WILLIAM FREDERICK CARVELL, Wilmington, Del. Filed July 11, 1925.

OLD TIME GASOLINE

No claim is made to "Gasoline" apart from the mark as shown.
*Particular description of goods.*—Gasoline.
*Claims use* since June 27, 1925.



Ser. No. 217,229. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NEVER LEAK RUBBER PAINT COMPANY, Shreveport, La. Filed July 11, 1925.

The lining on the drawing is intended to indicate shading only, the phrase "Never Leak Rubber Auto Top Paint" and the words "Never Leak" underneath the same not being claimed apart from the other features of the mark.
*Particular description of goods.*—Paint For Use Especially on Automobile Tops.
*Claims use* since May 15, 1924.

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Ser. No. 217,367. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SHELBY GUM CO., Shelby, Ohio. Filed July 14, 1925.

A BUBBLE IN EVERY BLOW

*Particular description of goods.*—Chewing Gum.
*Claims use* since Aug. 25, 1924.

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Ser. No. 217,386. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROSS M. BARNES, doing business as Barnes FacEase Co., Galveston, Tex., and Tulsa, Okla. Filed July 15, 1925.

*Particular description of goods.*—Face Lotion.
*Claims use* since Jan. 1, 1924.

Ser. No. 217,514. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HERBERT SACHS HIRSCH, Brooklyn, N. Y. Filed July 17, 1925.

SHIRTCHEK

No claim is made to the exclusive right to "Shirt" apart from the remainder of the mark as shown.
*Particular description of goods.*—Devices Adapted to be Sewed on the Inside of Trouser Waistbands to Engage With a Shirt.
*Claims use* since Apr. 22, 1925.

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Ser. No. 217,581. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE REPUBLIC TOOL PRODUCTS CO., Dayton, Ohio. Filed July 18, 1925.

Republic

Trade-mark consists of the word "Republic."
*Particular description of goods.*—Mechanical Toys—Namely, Self-Propelled Wheel Toys and Pull Toys.
*Claims use* since April, 1922.

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Ser. No. 217,593. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WEISS & DOWNS, New York, N. Y. Filed July 18, 1925.

BOROTART

*Particular description of goods.*—Medicines Made From Boric Acid and an Organic Acid, Such as Tartaric Acid, for Example.
*Claims use* since about June 25, 1925.

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Ser. No. 217,608. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed July 20, 1925.

Majesteen

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since July 1, 1925.

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Ser. No. 217,609. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed July 20, 1925.

Majestyne

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since July 1, 1925.

Ser. No. 217,711. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) INDIA ALKALI WORKS, Boston, Mass. Filed July 22, 1925.

Savogran

*Particular description of goods.*—Preparations for Removing Paint and Varnish, Removing Wax from Floors, and Like Uses.
*Claims use* since 1895.

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Ser. No. 217,804. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. THEA GRAU, doing business as Mme. Thea, New York, N. Y. Filed July 23, 1925.

Mme. Thea

*Particular description of goods.*—Cleansing Cream, Face Lotion, Astringent Cream, Facial Paste, and Nutrient Cream.
*Claims use* since March, 1914.

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Ser. No. 217,837. (CLASS 20. LINOLEUM AND OILED CLOTH.) W. & J. SLOANE MANUFACTURING COMPANY, Trenton, N. J. Filed July 24, 1925.

*Particular description of goods.*—Linoleums.
*Claims use* since July 1, 1925.

Ser. No. 217,916. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES CARL BALLANTYNE, Lamoni, Iowa. Filed July 27, 1925.

FLU-NIP

Trade-mark consists of the word "Flu-Nip."
*Particular description of goods.*—Salves Used in All Forms of Congestion and Inflammation Affecting the Respiratory Organs and for General Healing Purposes.
*Claims use* since Feb. 1, 1924.

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Ser. No. 217,926. (CLASS 12. CONSTRUCTION MATERIALS.) THE FLINT-ROCK STUCCO COMPANY, Ingomar and Dayton, Ohio. Filed July 27, 1925.

ARCHITEX FINISH

No claim is made to the word "Finish" apart from the mark shown.
*Particular description of goods.*—Stucco and Plaster.
*Claims use* since May 20, 1925.

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Ser. No. 218,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. B. FOSTER PACKING CO., INC., Biloxi, Miss. Filed July 28, 1925.

RIVIERA

*Particular description of goods.*—Canned Shrimp and Canned Oysters.
*Claims use* since 1918.

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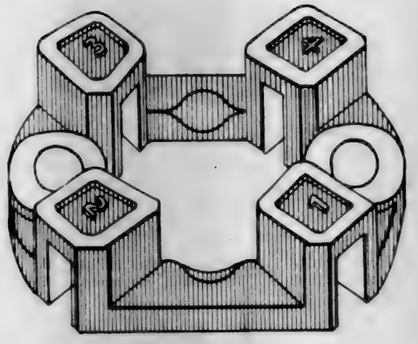
Ser. No. 218,014. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SIDNEY A. MEAD, Oakland, Calif. Filed July 28, 1925.

"You'll Smile Too"

*Particular description of goods.*—Automobile Polish.
*Claims use* since June 1, 1924.



Ser. No. 218,017. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE OSTER MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 28, 1925.



The trade-mark consists in coloring a distinctive part of the diestock with the color red, as indicated on the drawing, no claim being made to the showing of the goods represented in the drawing apart from the mark as displayed thereon.
*Particular description of goods.*—Diestocks.
*Claims use* since May 7, 1925.

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Ser. No. 218,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALLEN AND LOWRY, Big Spring, Tex. Filed July 29, 1925.

ACL

*Particular description of goods.*—Liniment for the Treatment of Rheumatism.
*Claims use* since July 10, 1925.

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Ser. No. 218,047. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WILLIAM BOARDMAN & SONS CO., Hartford, Conn. Filed July 29, 1925.

PUTNAM

The trade-mark consists of the surname and portrait of the revolutionary hero General Israel Putnam.
*Particular description of goods.*—Coffee, Flavoring Extracts for Foods, and Spices.
*Claims use* since Sept. 23, 1905.

Ser. No. 218,052. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COMMONWEALTH STEEL COMPANY, St. Louis, Mo. Filed July 29, 1925.

CSCO

*Particular description of goods.*—Locomotive Beds, Cradles, Ash Pans, End Sills, Pilot Beams, Pilots, Pilot Racks and Brackets, Buffer Pockets, Boiler Saddles, Driving-Wheel Centers, Trucks and Truck Parts, Such as Frames, Pedestals, Spring Seats, and Caps.
*Claims use* since 1902.

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Ser. No. 218,072. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK MALCHOW, doing business as The Aljo Manufacturing Co., New York, N. Y. Filed July 29, 1925.

ALJO

*Particular description of goods.*—Dyes and Colors.
*Claims use* since Aug. 1, 1917.

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Ser. No. 218,107. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM A. DONNELLY, Philadelphia, Pa. Filed July 30, 1925.

MEATS

The word "Meats" is disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Hams, Bacon, Dried Beef; Fresh Meats—Namely, Dressed Beef, Mutton, Pork, Veal, and Lamb; Lard, Dressed Poultry, Butter, and Eggs.
*Claims use* since June 2, 1923.

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Ser. No. 218,121. (CLASS 38. PRINTS AND PUBLICATIONS.) THE HIND & HARRISON PLUSH COMPANY, Clark Mills and New York, N. Y. Filed July 30, 1925.

Hudson Seal

*Particular description of goods.*—Labels and Tags for Articles of Manufacture Made from Hudson-Seal Textiles.
*Claims use* since Jan. 1, 1925.

Ser. No. 218,342. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWANSON BROTHERS, Chicago, Ill. Filed Aug. 3, 1925.

No exclusive claim for the words "Roasted Coffee" is made apart from the mark as shown. The drawing is lined for red and blue.

*Particular description of goods.*—Coffee.
*Claims use* since Jan. 2, 1924.

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Ser. No. 218,435. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEE STEVENS AND PEARSON BROS., El Centro, Calif. Filed Aug. 5, 1925.

**BOULDER DAM**

*Particular description of goods.*—Fresh Lettuce, Asparagus, and Cantaloupes.
*Claims use* since Jan. 1, 1925.

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Ser. No. 218,586. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH BURNETT COMPANY, Boston, Mass. Filed Aug. 8, 1925. Under section 5b of the act of 1905 as amended in 1920.

**BURNETT'S**

*Particular description of goods.*—Spice.
*Claims use* since Jan. 27, 1920.

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Ser. No. 218,542. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. C. DOHERTY, Acampo, Calif. Filed Aug. 8, 1925.

**CHEROKEE**

*Particular description of goods.*—Fresh Grapes, Fresh Cherries, and Fresh Plums.
*Claims use* since Mar. 16, 1925.

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Ser. No. 218,572. (CLASS 38. PRINTS AND PUBLICATIONS.) RUSSELL PALMER, New York, N. Y. Filed Aug. 8, 1925.

**COMMERCIAL AVIATION**

*Particular description of goods.*—Annual Publication.
*Claims use* since June 16, 1925.

Ser. No. 218,577. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SEABOARD CRYSTAL COMPANY, New York, N. Y. Filed Aug. 8, 1925.

**SEACO**

*Particular description of goods.*—Cleansing Compound for General Household Purposes for Cleansing Furniture, Woodwork, Walls, Floors, Tile, Marble, Carpet, Cooking Utensils, and for Automobiles and Fabrics.
*Claims use* since about June 1, 1925.

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Ser. No. 218,614. (CLASS 2. RECEPTACLES.) ERHARD & SÖHNE A. G., Gmund, Germany. Filed Aug. 10, 1925.

*Particular description of goods.*—Trinket Boxes, Sweet Boxes, Biscuit Boxes, Tea Caddies, Jewel Boxes, Handkerchief Boxes, Glove Boxes, Stationery Boxes, Playing-Card Boxes, Card Trays, Cigarette Boxes, Cigar Boxes, Stamp Boxes, Watch Stands, and String Boxes Not Made of Precious Metal.
*Claims use* since February, 1923.

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Ser. No. 218,615. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) ERHARD & SÖHNE A. G., Gmund, Germany. Filed Aug. 10, 1925.

*Particular description of goods.*—Cigarette Boxes and Cigar Boxes for Smokers, Ash Trays, Pipe Racks, Tobacco Jars, Match Stands, and Smokers' Sets, Made of Metal and Adapted to be Placed upon Tables and the Like.
*Claims use* since February, 1923.



Ser. No. 218,705. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KONA COFFEE COMPANY, Honolulu, Territory of Hawaii. Filed Aug. 11, 1925.

The lining for color is disclaimed. Trade-mark "Pali."
*Particular description of goods.*—Coffee Roasted, Coffee Ground, and Green Coffee.
*Claims use* since Aug. 1, 1925.

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Ser. No. 218,726. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALTON MERCANTILE COMPANY, Enid, Okla. Filed Aug. 12, 1925.

**Old Thirty "30"**

*Particular description of goods.*—Coffee.
*Claims use* since 1910.

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Ser. No. 218,796. (CLASS 37. PAPER AND STATIONERY.) THE CLEVELAND LINER & MANUFACTURING CO., Cleveland, Ohio. Filed Aug. 13, 1925.

**LINERETTE**

*Particular description of goods.*—Paper Impregnated and Coated with Materials of Nonsticking Qualities for Handling Uncured Rubber.
*Claims use* since about Mar. 1, 1925.

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Ser. No. 218,867. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORTON COMPANY, Worcester, Mass. Filed Aug. 14, 1925.

**19**

*Particular description of goods.*—Aluminous Abrasive Grains, Abrasive Stones, Grinding Wheels, and Crystalline Alumina.
*Claims use* since Feb. 2, 1925.

Ser. No. 218,868. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORTON COMPANY, Worcester, Mass. Filed Aug. 14, 1925.

**19 Alundum**

*Particular description of goods.*—Aluminous Abrasive Grains, Abrasive Stones, Grinding Wheels, and Crystalline Alumina.
*Claims use* since Feb. 2, 1925.

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Ser. No. 218,910. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN D. FORRESTER, Kansas City, Mo. Filed Aug. 15, 1925.

**AMASCO**

*Particular description of goods.*—Asphalt, Mixtures of Asphalt and Stone, Mixtures of Asphalt and Stone and Either of the Following: Hydraulic Cement, Hydrated Lime, Pulverized Slate, Burnt Pulverized Shale, or Burnt Pulverized Clay.
*Claims use* since June 27, 1925.

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Ser. No. 218,941. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. N. ADAM & CO., Buffalo, N. Y. Filed Aug. 17, 1925.

**SANG-LOO**

*Particular description of goods.*—Silk Piece Goods.
*Claims use* since July 17, 1925.

Ser. No. 218,988. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL FISH CO. LTD., Halifax, Nova Scotia, Canada. Filed Aug. 17, 1925.

National Sea Seald Fish

No claim is made to the exclusive use of the word "Fish" apart from the mark as shown.

*Particular description of goods.*—Fresh and Cured Fish.

*Claims use* since Jan. 26, 1925.

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Ser. No. 219,015. (CLASS 39. CLOTHING.) SIMON COLLIER LIMITED, Northampton, England. Filed Aug. 17, 1925.

THE SELBORNE SHOE

No claim is made for the use of the word "Shoes" apart from the mark shown on the drawing.

*Particular description of goods.*—Boots and Shoes Made of Leather, of Leather and Rubber, and of Fabric.

*Claims use* since Jan. 22, 1912.

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Ser. No. 219,018. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. M. E. WHITLOCK, Marlboro, Mass. Filed Aug. 17, 1925.

ACREBRIDGE FARM

*Particular description of goods.*—Farm Products—Namely, Fresh Apples; Poultry—Namely, Single-Comb White Leghorn Breeding Stock and Live Broilers; Eggs for Table Use; Hatching Eggs—Namely, Single-Comb White Leghorn Hatching Eggs; Baby Chicks—Namely, Single-Comb White Leghorn Baby Chicks, and Vinegar.

*Claims use* since September, 1922, on apples; March, 1924, on Leghorn breeding stock and Leghorn hatching eggs; since May, 1924, on Leghorn baby chicks; and since June, 1924, on eggs for table use, vinegar, and broilers.

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Ser. No. 219,022. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE ALLEN SOAP COMPANY, Chicago, Ill. Filed Aug. 18, 1925.

K. A. K.

*Particular description of goods.*—Semisolid Cleaner for Personal and Household Use.

*Claims use* since July 30, 1925.

Ser. No. 219,025. (CLASS 37. PAPER AND STATIONERY.) BENNETT PRINTING COMPANY, Paris, Tex. Filed Aug. 18, 1925.

FOUR STATES PARCHMENT
BENNETT'S QUALITY

No rights are claimed to the words "Bennett's Quality Parchment" except in association with the other features of the mark. Also no claim is made to the exclusive use of the representation of a map forming a part of the mark except in association with the other features.

*Particular description of goods.*—Writing and Printing Paper and Bank-Check Paper.

*Claims use* since July 1, 1925.

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Ser. No. 219,086. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RICHARD A. PREO, Brooklyn, N. Y. Filed Aug. 19, 1925.

PREOLITE

Trade-mark consists of the word "Preolite."

*Particular description of goods.*—Cleaning Compound for Polished Surfaces.

*Claims use* since July 31, 1925.

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Ser. No. 219,098. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THOS. E. WILSON & CO., Chicago, Ill. Filed Aug. 19, 1925.

Walter E. Meanwell
HIDDEN LACE

The name forming part of drawing is a facsimile of the signature of Walter E. Meanwell. No claim is made to the name except in the exact form shown. No claim is made to the words "Hidden Lace" apart from the other features of the mark.

*Particular description of goods.*—Basket Balls.

*Claims use* since Apr. 2, 1925.



Ser. No. 219,099. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THOS. E. WILSON & CO., Chicago, Ill. Filed Aug. 19, 1925.

Knut K Rockne
DOUBLE LACED

The name forming part of trade-mark drawing is a facsimile of the signature of Knute K. Rockne. No claim is made to the name except in the exact form shown. No claim is made to the words "Double Laced" apart from the other features of the mark.

*Particular description of goods.*—Footballs.

*Claims use* since Apr. 2, 1925.

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Ser. No. 219,107. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERTHA MARGARET BEATTY, doing business as Big "6" Poultry Supply, Warren, Ohio. Filed Aug. 20, 1925.

BIG "6"

*Particular description of goods.*—Remedy for the Treatment of the Diseases of Poultry.

*Claims use* since Feb. 1, 1925.

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Ser. No. 219,112. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WM. H. DAVIS, Media, Pa. Filed Aug. 20, 1925.

FLINTO

*Particular description of goods.*—Mechanic Hand Soap.

*Claims use* since July 1, 1925.

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Ser. No. 219,115. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALLAN J. FIELD, doing business as A. J. Field Paint Company, Newark, N. J. Filed Aug. 20, 1925.

Outershield

*Particular description of goods.*—Mixed Paint, Paint Enamels, Pigments in Oil (Paste), and Varnishes.

*Claims use* since Nov. 22, 1923.

Ser. No. 219,116. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALLAN J. FIELD, doing business as A. J. Field Paint Company, Newark, N. J. Filed Aug. 20, 1925.

Innershield

*Particular description of goods.*—Mixed Paint, Paint Enamels, Pigments in Oil (Paste), and Varnishes.

*Claims use* since Dec. 13, 1923.

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Ser. No. 219,117. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALLAN J. FIELD, doing business as A. J. Field Paint Company, Newark, N. J. Filed Aug. 20, 1925.

Field

The use of the word "Field" apart from the other features of the mark is disclaimed as the exclusive trade-mark right of applicant.

*Particular description of goods.*—Mixed Paints, Paint Enamels, Pigments in Oil (Paste), and Varnishes.

*Claims use* since Dec. 13, 1923.

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Ser. No. 219,139. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POTTER CONFECTIONERY CO., Cambridge, Mass. Filed Aug. 20, 1925.

U-KID

*Particular description of goods.*—Candy.

*Claims use* since July 24, 1925.

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Ser. No. 219,206. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CARL E. SCHMIDT AND COMPANY, INC., Detroit, Mich. Filed Aug. 21, 1925.

CESCALF

*Particular description of goods.*—Leather.

*Claims use* since July 30, 1925.

Ser. No. 219,220. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BONEY & HARPER MILLING COMPANY, INC., Wilmington, N. C. Filed Aug. 22, 1925.

No claim is made to the name "Harpers" apart from the mark as shown.

*Particular description of goods.*—Table Meal, Choice Grits, and Hominy Feed.

*Claims use* since February, 1925.

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Ser. No. 219,248. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KUMMER, UPMANN & COMPANY, New York, N. Y. Filed Aug. 22, 1925.

LA MODA

*Particular description of goods.*—Piece Goods Made of All Kinds of Material, as Cotton, Silk, Wool, and Mixtures Thereof.

*Claims use* since March, 1924.

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Ser. No. 219,274. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) COKAL STOKER CORPORATION, Chicago, Ill. Filed Aug. 24, 1925.

COMBUSTIKATOR

*Particular description of goods.*—Coal Furnaces.

*Claims use* since June 18, 1925.

Ser. No. 219,286. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROSLYN E. KINTZ, Terre Haute, Ind. Filed Aug. 24, 1925.

AKR NON-DI PRODUCTS

The word "Products" appearing in the drawing is disclaimed apart from the mark shown.

*Particular description of goods.*—Nail White, Nail Cleaner, Hair Restorer, and Facial Make-Up Cream.

*Claims use* since July 20, 1925.

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Ser. No. 219,306. (CLASS 39. CLOTHING.) RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed Aug. 24, 1925.

NEXT

*Particular description of goods.*—Men's and Boys' Wearing Apparel—Namely, Overalls, Pants, Mackinaws, and Coats; Dress, Negligee, and Work Shirts; Athletic Underwear of Textile Fabric, Pyjamas, and Nightgowns.

*Claims use* since Aug. 18, 1925.

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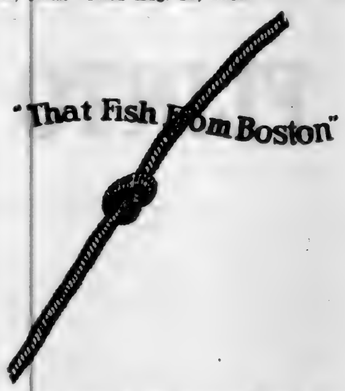
Ser. No. 219,321. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY STATE FISHING COMPANY, Boston, Mass. Filed Aug. 25, 1925.




No claim is made to the notation "That Fish From Boston" except in association with the other features of the mark.

*Particular description of goods.*—Haddock Fillets, Toasted Fillets, Fulton Fillets, Cod Fillets, Sole Fillets, Finnan Haddie, Salt Codfish, Salt Haddock, Fish Flakes, and Toasted Fish Flakes in Bulk, Wrapped, Canned, and Put up in Glass Jars; Clam Chowder (Canned) and Clams Fresh and Canned.

*Claims use* since July 6, 1925.



Ser. No. 219,325. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) CLOVER LEATHER GOODS CO., INC., New York, N. Y. Filed Aug. 25, 1925.

"Redi-Coin"

Trade-mark consists of the word "Redi-Coin."

*Particular description of goods.*—Hand Receptacles.

*Claims use* since Aug. 3, 1925.

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Ser. No. 219,349. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES M. RAYMOND, doing business as Pearls Of The Pacific Company, San Francisco, Calif. Filed Aug. 25, 1925.

Applicant disclaims the right to the exclusive use of the word "Pacific" apart from the mark shown on the drawing.

*Particular description of goods.*—Preserved Fruits, Jams and Jellies, Dried Fruits, Nuts in Their Natural State, Fresh Fruits, Canned and Fresh Vegetables.

*Claims use* since July 20, 1925.

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Ser. No. 219,376. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GEO. B. CARPENTER & Co., Chicago, Ill. Filed Aug. 26, 1925.

No claim is made to any of the words "The Carpenter," "Spring," or "Shade" apart from the mark as shown.

*Particular description of goods.*—Awnings.

*Claims use* since 1912.

Ser. No. 219,419. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE H. DOWNS, doing business as Vio-Scent Sweets Co., Newark, N. J. Filed Aug. 27, 1925.

Vio-Scent

*Particular description of goods.*—Candy.

*Claims use* since Aug. 1, 1925.

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Ser. No. 219,467. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEORGE ABRASH, New York, N. Y. Filed Aug. 28, 1925.

"LOVLEA"

*Particular description of goods.*—Silk Piece Goods—Namely, Broad Silks, Crêpe de Chine, Georgette, and Pongee—and Silk Ribbons.

*Claims use* since Aug. 5, 1925.

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Ser. No. 219,469. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) BARRETT BLUE BLAZE BURNER CO., INC., Keyport, N. J. Filed Aug. 28, 1925.

THERMOMATIC

*Particular description of goods.*—Oil Burners.

*Claims use* since June 1, 1925.

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Ser. No. 219,518. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. ARON & COMPANY, INC., New York, N. Y. Filed Aug. 29, 1925.

ARONCO

HORSEHEAD

*Particular description of goods.*—Coffee.

*Claims use* since July 1, 1920.

Ser. No. 219,562. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) VIER-SLOS CHEMICAL CO., Chicago, Ill. Filed Aug. 29, 1925.

VIER-SLOS

*Particular description of goods.*—Paint and Varnish Remover.
*Claims use* since Aug. 1, 1925.

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Ser. No. 219,592. (CLASS 12. CONSTRUCTION MATERIALS.) W. H. LOOMIS TALC CORPORATION, Gouverneur, N. Y. Filed Aug. 31, 1925.

LOOMITE

*Particular description of goods.*—Special Talc Used Primarily in Waterproofing and Strengthening Concrete.
*Claims use* since July 15, 1925.

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Ser. No. 219,620. (CLASS 32. FURNITURE AND UPHOLSTERY.) E. C. ESSINGER, Chicago, Ill. Filed Sept. 1, 1925.

EC
ESSINGER
EC
SPLĀ-TRĀ

The name "Essinger" is not claimed apart from the other features of the mark.
*Particular description of goods.*—Display or Show Case for Merchandise.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,675. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MITCHELL & DILLON COAL COMPANY, Chicago, Ill. Filed Sept. 2, 1925.

EMDEE BLOCK

The word "Block" is disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Coal.
*Claims use* since 1912.

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Ser. No. 219,792. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. WEDEKIND & CO., Louisville, Ky. Filed Sept. 3, 1925.

H. W.

*Particular description of goods.*—Evaporated Fruits—Namely, Peaches; Canned Fish—Namely, Salmon; Canned Vegetables—Namely, Corn; Canned Fruits—Namely, Pears.
*Claims use* since Aug. 20, 1924.

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Ser. No. 219,794. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE ABROSHADE COMPANY, Waukesha, Wis. Filed Sept. 4. 1925.

Verticolor

*Particular description of goods.*—Porch Shades.
*Claims use* since November, 1924.

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Ser. No. 219,799. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM A. BENSON, St. Louis, Mo. Filed Sept. 4. 1925.

*Particular description of goods.*—Liquid Preparation for Impure Blood, Scrofula, Old Sores, Skin Eruptions, Irritation of the Skin, Weak Eyes Caused by Bad Blood, Loss of Appetite, Nervousness, Syphilitic, and a Liquid Preparation or Liniment for Rheumatism, Sprains, Lame Back, Stiff Joints, Pains, Headache, Cramps, and Pains in the Stomach; General Blood Remedy, and a Liquid Preparation for the Treatment of Coughs and Colds in the Head.
*Claims use* since May 1, 1919.



Ser. No. 219,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUARTE-MONROVIA CITRUS ASSOCIATION, Duarte, Calif. Filed Sept. 4, 1925.

VIOLET

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
*Claims use* since January, 1896.

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Ser. No. 219,868. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. P. BABCOCK COMPANY, New York, N. Y. Filed Sept. 5, 1925.

BABCOCKS
SUPERFUMES

No claim is made to the word "Babcock's" apart from the mark as shown.
*Particular description of goods.*—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Talcum Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Sachet, and Incense.
*Claims use* since Aug. 1, 1925.

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Ser. No. 219,905. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OCONOMOWOC CANNING CO., Oconomowoc, Wis. Filed Sept. 5, 1925.

MISS WISCONSIN

The representation of the goods does not form a part of the registration sought apart from the mark shown in the drawing, nor does the geographical name "Wisconsin."
*Particular description of goods.*—Canned Vegetables—Namely, Canned Peas.
*Claims use* since Feb. 1, 1925.

Ser. No. 219,984. (CLASS 39. CLOTHING.) H. NEWMAN CO., New York, N. Y. Filed Sept. 9, 1925.

Exclusive right to the use of the descriptive phrase "Adjustable to All sizes" is hereby disclaimed, also to the pictorial representation of the cap and to the word "Cap" except in the connection and association in which they appear with the rest of the trade-mark as shown on the drawing.
*Particular description of goods.*—Caps for Men, Women, and Children.
*Claims use* since July, 1923.

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Ser. No. 219,986. (CLASS 38. PRINTS AND PUBLICATIONS.) NORTHERN PACIFIC RAILWAY COMPANY, St. Paul, Minn. Filed Sept. 8, 1925.

NORTHERN PACIFIC

*Particular description of goods.*—Booklets, Circulars, and Pamphlets.
*Claims use* since 1893.

Ser. No. 220,000. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LETHA B. TYNDALL, St. Louis, Mo. Filed Sept. 8, 1925.

*Particular description of goods.*—Hair Pomade, Face Powder, Face Cream, and Talcum Powder.
*Claims use* since Dec. 1, 1923.

Ser. No. 220,020. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. FILIPPONE & Co., Passaic, N. J. Filed Sept. 9, 1925.

PUCCINI

The trade-mark comprises the name "Puccini." The portrait is that of the Italian composer Giacomo Puccini (deceased).
*Particular description of goods.*—Olive Oil.
*Claims use* since Aug. 10, 1925.

Ser. No. 220,025. (CLASS 12. CONSTRUCTION MATERIALS.) CHAS. E. HOLLEY, doing business as Holley Realty Company, Bessemer, Ala. Filed Sept. 9, 1925.

LIMO-BRICK

No claim is made to the word "Brick" apart from the mark as shown.
*Particular description of goods.*—Bricks.
*Claims use* since Nov. 15, 1924.

Ser. No. 220,089. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CLEVE T. SHAFFER, San Francisco, Calif. Filed Sept. 9, 1925.

"QUOITENNIS"

*Particular description of goods.*—Net Game Similar to Tennis.
*Claims use* since Aug. 15, 1925.

Ser. No. 220,040. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SPRAY PAINT COMPANY, Chicago, Ill. Filed Sept. 9, 1925.

BASICOLOR

*Particular description of goods.*—Prepared Liquid Paints.
*Claims use* since Aug. 27, 1925.

Ser. No. 220,060. (CLASS 39. CLOTHING.) PERLEY E. BARBOUR, doing business as Barbour Welting Company, Montello Station, Brockton, Mass. Filed Sept. 10, 1925.

FEATHERWELT

Applicant disclaims any right to the exclusive use of the word "Welt" apart from the combination shown in drawing.
*Particular description of goods.*—Welting for Fine Shoes.
*Claims use* since Sept. 1, 1925.

Ser. No. 220,092. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) A-B STOVE COMPANY, Battle Creek, Mich. Filed Sept. 10, 1925.

UNIFIED

*Particular description of goods.*—Gas Ranges.
*Claims use* since Aug. 20, 1925.



Ser. No. 220,160. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) YBRY, INC., New York, N. Y. Filed Sept. 11, 1925.

Applicant disclaims any right to the words "Femmes De Paris" appearing on the drawing, as the same constitute unregistrable matter.
*Particular description of goods.*—Perfumes, Toilet Water, Face and Talcum Powders, Bath Salts, Rouge, and Lip Sticks.
*Claims use* since Aug. 15, 1925.

Ser. No. 220,192. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL B. KNUDSEN, doing business as American Casul Company, Philadelphia, Pa. Filed Sept 12, 1925.

Casul

*Particular description of goods.*—Remedy for Boils.
*Claims use* since Apr. 10, 1925.

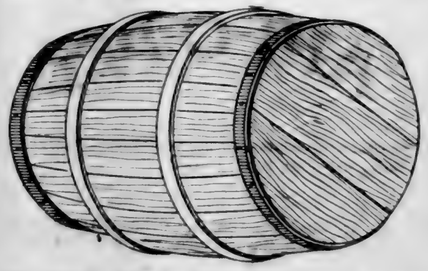
Ser. No. 220,211. (CLASS 39. CLOTHING.) GREAT SIX OVERALLS, INC., Winona, Minn. Filed Sept. 14, 1925.

STEELBILT

*Particular description of goods.*—Overalls and One-Piece Work Suits.
*Claims use* since Aug. 17, 1925.



Ser. No. 220,224. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. B. FORD COMPANY, Wyandotte, Mich. Filed Sept. 14, 1925.

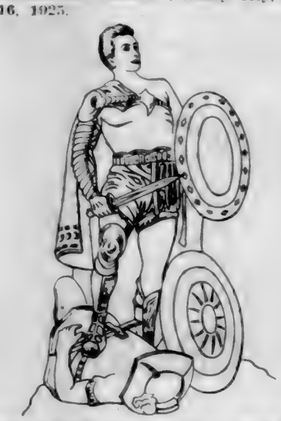


No claim is made to the representation of a barrel apart from the colored hoop shown thereon, as herein set forth.
*Particular description of goods.*—Concentrated Ash and Tanners' Alkali for Use in the Textile and Tanning Industries.
*Claims use* since Jan. 1, 1906.

Ser. No. 220,290. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNIE M. LOSEE, Glens Falls, N. Y. Filed Sept. 15, 1925.

*Particular description of goods.*—Liniment.
*Claims use* since Aug. 1, 1910.

Ser. No. 220,327. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STERLING REMEDY COMPANY, Jersey City, N. J. Filed Sept. 16, 1925.



*Particular description of goods.*—Medicine for Tobacco Habit and Chronic Constipation.
*Claims use* since Jan. 10, 1894.

Ser. No. 220,347. (CLASS 39. CLOTHING.) LEONARD & BARROWS, Middleboro and Boston, Mass. Filed Sept. 17, 1925.

AID-O-PED

*Particular description of goods.*—Leather Shoes.
*Claims use* since Sept. 1, 1925.

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Ser. No. 220,356. (CLASS 15. OILS AND GREASES.) PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex. Filed Sept. 17, 1925.

PANTHER

*Particular description of goods.*—Lubricating Oils and Greases—Namely, Motor Oils, Diesel-Engine Oils, Steam-Cylinder Oils, No. 1 Neat's-Foot Oil, Engine Oils, Graphite Greases, Cup Greases, and Gear Greases.
*Claims use* since Oct. 1, 1922.

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Ser. No. 220,438. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILSON-WESTERN SPORTING GOODS CO., Chicago, Ill. Filed Sept. 18, 1925.

CREST

*Particular description of goods.*—Golf Clubs and Golf Balls.
*Claims use* since Aug. 24, 1925.

Ser. No. 220,446. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHERAMY, INC., New York, N. Y. Filed Sept. 19, 1925.

ENCHANTED APRIL

*Particular description of goods.*—Toilet Soaps and Shaving Creams.
*Claims use* since Sept. 10, 1925.

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Ser. No. 220,448. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHERAMY, INC., New York, N. Y. Filed Sept. 19, 1925.

LIDO-VENICE

The word "Venice" is hereby disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Perfumes, Toilet Water, Face Powder, Talcum Powder, Dusting Powder, Lotion for the Skin and Hair, Eau de Vegetate, Brilliantine, Bandoline, Face Creams, Rouge, Lip Sticks, Bath Salts, Sachet, and Compacts.
*Claims use* since Sept. 10, 1925.

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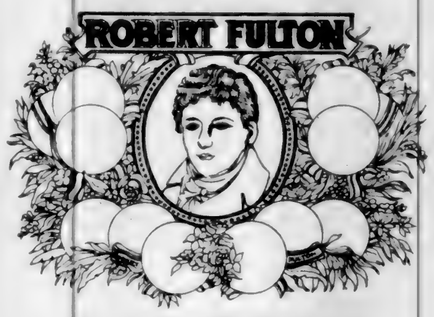
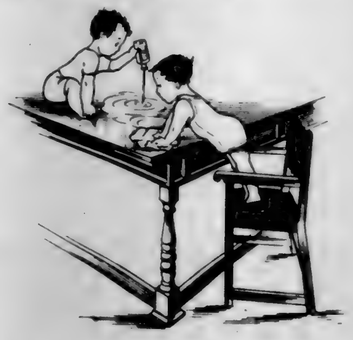
Ser. No. 220,454. (CLASS 17. TOBACCO PRODUCTS.) HARRY L. HAINES, doing business as H. L. Haines & Company, Red Lion, Pa. Filed Sept. 19, 1925.




The name and portrait is that of "Robert Fulton," American engineer and inventor (deceased). No claim is made to the name "Robert Fulton" except in the association shown.
*Particular description of goods.*—Cigars.
*Claims use* since May, 1913.



Ser. No. 220,483. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SUNGLOW COMPANY, New York, N. Y. Filed Sept. 19, 1925.



ERYDESCENT

*Particular description of goods.*—Furniture Polish.
*Claims use* since Jan. 15, 1925.

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Ser. No. 220,512. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. F. EESLEY MILLING CO., Plainwell, Mich. Filed Sept. 21, 1925.

SUNLITE

*Particular description of goods.*—Corn Meal, Buckwheat Flour, Pancake Flour, Buckwheat Compound, Graham Flour, and Wheat Flour and Self-Rising Flour.
*Claims use* since 1920.

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Ser. No. 220,521. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GLESSNER COMPANY, Findlay, Ohio. Filed Sept. 21, 1925.

DR DRAKE'S GLESSCO

No claim is made to the name "Dr. Drake's" apart from the mark shown in the drawing.
*Particular description of goods.*—Cough and Croup Remedy.
*Claims use* since Oct. 1, 1889.

Ser. No. 220,548. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LITTLE CROW MILLING COMPANY, Warsaw, Ind. Filed Sept. 21, 1925.

LITTLE CROW

*Particular description of goods.*—Buckwheat and Wheat Flour, Pancake Flour, and Wheat Flour.
*Claims use* since May, 1903.

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Ser. No. 220,576. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE RUSSELL MANUFACTURING COMPANY, Middletown, Conn. Filed Sept. 21, 1925.

JIFFY

*Particular description of goods.*—Transmission Bands for Automobiles.
*Claims use* since Aug. 15, 1925.

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Ser. No. 220,595. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) C. GOODWIN BRADLEY INCORPORATED, Syracuse, N. Y. Filed Sept. 22, 1925.

BRAD-CUPS

*Particular description of goods.*—Spring Oilers Which Have Been Attached to Vehicles.
*Claims use* since June, 1925.

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Ser. No. 220,605. (CLASS 39. CLOTHING.) FOUR SQUARE UNDERWEAR CO., Olney, Ill. Filed Sept. 22, 1925.

FOUR SQUARE

*Particular description of goods.*—Men's Underwear and Night Wear—Namely, Union Suits, Drawers, Nightshirts, and Pyjamas Made of Woven Textiles.
*Claims use* since Aug. 1, 1924.

Ser. No. 220,609. (CLASS 39. CLOTHING.) GEORGE W. HELLER, INC., New York, N. Y. Filed Sept. 22, 1925.

Sil-o-et

*Particular description of goods.*—Vests.
*Claims use* since Aug. 10, 1925.

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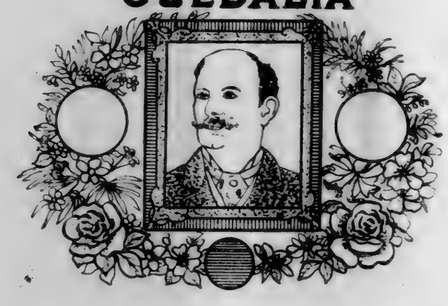
Ser. No. 220,654. (CLASS 17. TOBACCO PRODUCTS.) ANTONIO GUTIERREZ, New York, N. Y. Filed Sept. 28, 1925.

LA FLOR DE GUEDALIA



The portrait is that of Aaron Guedalia (deceased). No claim is made to the name "Guedalia" except in the association shown.
*Particular description of goods.*—Cigars, Cigarettes, and Smoking Tobacco.
*Claims use* since July 1, 1924.

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Ser. No. 220,662. (CLASS 39. CLOTHING.) LORD & TAYLOR, New York, N. Y. Filed Sept. 23, 1925.

"Elente"

*Particular description of goods.*—Corsets.
*Claims use* since 1911.

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Ser. No. 220,700. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALBERT BRUCKNER'S SONS, Jersey City, N. J. Filed Sept. 24, 1925.

Dollypop

*Particular description of goods.*—Dolls.
*Claims use* since Aug. 28, 1925.

Ser. No. 220,705. (CLASS 39. CLOTHING.) ALBERT M. CREIGHTON, Lynn, Mass. Filed Sept. 24, 1925.

ARCH LIFE

*Particular description of goods.*—Shoes.
*Claims use* since Sept. 18, 1925.

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Ser. No. 220,712. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DR. FENTON'S VIGOR-TONE CO. INC., Cedar Rapids, Iowa. Filed Sept. 24, 1925.

VIGOR-TONE

*Particular description of goods.*—Ration-Balancing Preparation for Livestock Feed.
*Claims use* since Sept. 1, 1922.

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Ser. No. 220,720. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KARLSRUHER PARFUMERIE- UND TOILETTESEIFEN-FABRIK F. WOLFF & SOHN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Karlsruhe, Germany. Filed Sept. 24, 1925.

No claim is made to the exclusive right to the use of the words "F. Wolff & Sohn Karlsruhe Baden" apart from the mark shown.
*Particular description of goods.*—Toilet Soap and Shaving Powder.
*Claims use* since November, 1924.

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Ser. No. 220,722. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KARLSRUHER PARFUMERIE- UND TOILETTESEIFEN-FABRIK F. WOLFF & SOHN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Karlsruhe, Germany. Filed Sept. 24, 1925.

Filoflora

*Particular description of goods.*—Toilet Soap and Shaving Powder.
*Claims use* since December, 1913.



Ser. No. 220,723. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KARLSRUHER PARFUMERIE- UND TOILETTESEIFEN-FABRIK F. WOLFF & SOHN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Karlsruhe, Germany. Filed Sept. 24, 1925.

Klarybella

*Particular description of goods.*—Toilet Soap and Shaving Powder.
*Claims use* since May, 1925.

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Ser. No. 220,725. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KARLSRUHER PARFUMERIE- UND TOILETTESEIFEN-FABRIK F. WOLFF & SOHN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Karlsruhe, Germany. Filed Sept. 24, 1925.

KALLISTO GRANDIFLORA

*Particular description of goods.*—Toilet Soap and Shaving Powder.
*Claims use* since November, 1914.

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Ser. No. 220,726. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KARLSRUHER PARFUMERIE- UND TOILETTESEIFEN-FABRIK F. WOLFF & SOHN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Karlsruhe, Germany. Filed Sept. 24, 1925.

ELATA

*Particular description of goods.*—Toilet Soap and Shaving Powder.
*Claims use* since June, 1915.

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Ser. No. 220,728. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KARLSRUHER PARFUMERIE- UND TOILETTESEIFEN-FABRIK F. WOLFF & SOHN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Karlsruhe, Germany. Filed Sept. 24, 1925.

FIDELITAS

*Particular description of goods.*—Toilet Soap and Shaving Powder.
*Claims use* since February, 1914.

Ser. No. 220,731. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANK R. MARONDE, Chicago, Ill. Filed Sept. 24, 1925.

Ran-Zan

*Particular description of goods.*—Laundry Soap.
*Claims use* since Aug. 5, 1925.

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Ser. No. 220,744. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STOCKLAND ROAD MACHINERY CO., Minneapolis, Minn. Filed Sept. 24, 1925.

GRADEFIER

*Particular description of goods.*—Road-Grading Machines.
*Claims use* since June 25, 1925.

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Ser. No. 220,745. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STOCKLAND ROAD MACHINERY CO., Minneapolis, Minn. Filed Sept. 24, 1925.

GREYHOUND

*Particular description of goods.*—Road-Grading Machines.
*Claims use* since Oct. 16, 1924.

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Ser. No. 220,748. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. F. VOSS COMPANY, INC., Brooklyn, N. Y. Filed Sept. 24, 1925.

Tickle Palate

*Particular description of goods.*—Chili Sauce, Worcestershire Sauce, Tomato Catchup, and Mayonnaise Dressing.
*Claims use* since Nov. 1, 1915.

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Ser. No. 220,768. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ARTHUR O. EDWARDS, Minneapolis, Minn. Filed Sept. 25, 1925.

MERREMAKER

*Particular description of goods.*—Teeters, Slides, and Whirligigs.
*Claims use* since June 12, 1920.

Ser. No. 220,772. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GORHAM MFG. COMPANY, Providence, R. I. Filed Sept. 25, 1925.

*Particular description of goods.*—Silver Polish in Cream Form or Impregnated Cloth.
*Claims use* since Jan. 1, 1919.

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Ser. No. 220,793. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE OHIO BRASS COMPANY, Mansfield, Ohio. Filed Sept. 25, 1925.

**FLEXITITE DISC**

No claim is made for the exclusive use of the word "Disc" apart from the mark as shown.
*Particular description of goods.*—Valves Used for Controlling the Flow of Materials Through Conduits.
*Claims use* since Sept. 15, 1925.

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Ser. No. 220,838. (CLASS 39. CLOTHING.) PERLEY E. BARBOUR, doing business as Barbour Welting Company, Montello Station, Brockton, Mass. Filed Sept. 26, 1925.

**STREAMLINE**

Trade-mark consists of the word "Streamline."
*Particular description of goods.*—Welting for Boots and Shoes.
*Claims use* since Sept. 10, 1925.

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Ser. No. 220,873. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RED STAR YEAST AND PRODUCTS COMPANY, doing business as Milwaukee Vinegar Co., Milwaukee, Wis. Filed Sept. 26, 1925.

Aleda

*Particular description of goods.*—Vinegar.
*Claims use* since Aug. 22, 1903.

Ser. No. 220,881. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUTO TRUCK INDUSTRIAL APPLIANCES, INC., New York, N. Y. Filed Sept. 28, 1925.

ATIA

*Particular description of goods.*—Auto Truck Apparatus—Namely, Ash and Garbage Collecting Machines and Catch-Basin-Cleaning Machines.
*Claims use* since May 1, 1925.

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Ser. No. 220,943. (CLASS 39. CLOTHING.) DURABLE PETTICOAT CO., New York, N. Y. Filed Sept. 29, 1925.

WILLO ☆ SHEEN

*Particular description of goods.*—Silk Bloomers and Princess Slips.
*Claims use* since Mar. 1, 1925.

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Ser. No. 220,976. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) F. L. SMIDTH & CO., New York, N. Y. Filed Sept. 29, 1925.

**DRAGPEB**

*Particular description of goods.*—Linings for Tube Mills.
*Claims use* since Sept. 1, 1925.

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Ser. No. 221,006. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GOOD ROADS MACHINERY COMPANY, INC., Kennett Square, Pa. Filed Sept. 30, 1925.

**GOOD ROADS**

*Particular description of goods.*—Rock Crushers, Elevators, Conveyers, Screens, Graders, Drags, Rollers, and Snowplows.
*Claims use* since on or about Nov. 1, 1896.

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Ser. No. 221,014. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) E. I. HORSMAN CO. INC., New York, N. Y. Filed Sept. 30, 1925.

**PATTY-CAKE**

*Particular description of goods.*—Dolls.
*Claims use* since February, 1918.



Ser. No. 221,035. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) STROMBECK-BECKER MANUFACTURING COMPANY, Moline, Ill. Filed Sept. 30, 1925.

**DIAMOBLOX**

*Particular description of goods.*—Toy Blocks.
*Claims use* since Mar. 14, 1925.

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Ser. No. 221,049. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN M. CLAYTON, doing business as Red Seal Auto Top Dressing Co., Haverhill, Mass. Filed Oct. 1, 1925.

**RED SEAL**

*Particular description of goods.*—Auto Top Dressing.
*Claims use* since Sept. 1, 1925.

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Ser. No. 221,057. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES H. HALL, Chicago, Ill. Filed Oct. 1, 1925.

*Particular description of goods.*—Preparation for the Treatment of Eczema, Varicose Veins, Ulcerated Legs, and Skin Troubles.
*Claims use* since Mar. 4, 1922.

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Ser. No. 221,070. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY & COMPANY, Indianapolis, Ind. Filed Oct. 1, 1925.

**PARA-THOR-MONE**

*Particular description of goods.*—Medicine or Pharmaceutical Preparation.
*Claims use* since Sept. 1, 1925.

Ser. No. 221,072. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HARDY F. NEAL, doing business as Neal Manufacturing Company, Inc., New York, N. Y. Filed Oct. 1, 1925.

BATEMS

*Particular description of goods.*—Self-Operating Baseball Games.
*Claims use* since July 17, 1925.

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Ser. No. 221,127. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEAN MARTINAT, doing business as Les Parfumes des Courtisanes, New York, N. Y. Filed Oct. 2, 1925.

*Particular description of goods.*—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.
*Claims use* since July 30, 1925.

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Ser. No. 221,144. (CLASS 45. BEVERAGES, NONALCOHOLIC.) TASHMOO SPRINGS WATER CO., Vineyard Haven, Mass. Filed Oct. 2, 1925.

TASHMOO

Trade-mark consists of the word "Tashmoo."
*Particular description of goods.*—Mineral-Spring Water Carbonated and Noncarbonated, and Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—viz, Ginger Ale, Root Beer, Sarsaparilla, and Fruit Flavors.
*Claims use* since June, 1923.

Ser. No. 221,150. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNITED DRUG COMPANY, Boston, Mass. Filed Oct. 2, 1925.

*Particular description of goods.*—Perfume, Face Powder, Face-Powder Compacts, Toilet Water, Rouge, Body-Dusting Powder, Beauty Cream, and Cleansing Cream.
*Claims use* since July 17, 1925.

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Ser. No. 221,157. (CLASS 12. CONSTRUCTION MATERIALS.) ARTISTI-KOTE COMPANY, Upper Darby, Philadelphia, Pa. Filed Oct. 3, 1925.

ARTISTI-KOTE

*Particular description of goods.*—Stucco.
*Claims use* since on or about May 1, 1925.

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Ser. No. 221,174. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE EXCHANGE ORANGE PRODUCTS COMPANY, San Dimas, Calif. Filed Oct. 3, 1925.

CAL-ADE

*Particular description of goods.*—Nonalcoholic Beverages—Namely, an Orange Drink.
*Claims use* since April 1, 1925.

Ser. No. 221,178. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEMINGWAY & COMPANY, INC., Bound Brook, N. J. Filed Oct. 3, 1925. Under ten-year proviso.

LONDON PURPLE

*Particular description of goods.*—Poison for the Potato Bug, Cotton Worm, and Canker Worm, and Insecticides and Fungicides Generally.
*Claims use* since April, 1878.

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Ser. No. 221,189. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Oct. 3, 1925.

LUBROLINE

*Particular description of goods.*—Antiseptic Nasal Emollient.
*Claims use* since 1910.

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Ser. No. 221,190. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Oct. 3, 1925.

ASEPTESIA

*Particular description of goods.*—Aromatic Milk of Magnesia—Mulford.
*Claims use* since 1910.

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Ser. No. 221,191. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Oct. 3, 1925.

PHENALOS

*Particular description of goods.*—Laxative Tablet.
*Claims use* since 1910.



Ser. No. 221,192. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Oct. 3, 1925.

UTROS

*Particular description of goods.*—Antispasmodic and Nerve Sedative.
*Claims use* since 1907.

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Ser. No. 221,199. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORMONT DRUG & CHEMICAL CO., INC., Long Island City, N. Y. Filed Oct. 3, 1925.

DENTA-KLOR

*Particular description of goods.*—Antiseptic Dentifrice.
*Claims use* since Aug. 27, 1925.

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Ser. No. 221,201. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORMONT DRUG & CHEMICAL CO., INC., Long Island City, N. Y. Filed Oct. 3, 1925.

Ormozin

ZINC STEARATE
BORIC ACID
TALCUM

No claim is made to the exclusive use of the words "Zinc Stearate" "Boric Acid," and "Talcum" apart from the mark as shown.
*Particular description of goods.*—Toilet Powder.
*Claims use* since Jan. 2, 1925.

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Ser. No. 221,210. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. R. SQUIBB & SONS, New York, N. Y. Filed Oct. 3, 1925.

Ipral

*Particular description of goods.*—Hypnotic.
*Claims use* since June 29, 1925.

Ser. No. 221,218. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y. Filed Oct. 3, 1925.

SAPONOIL

*Particular description of goods.*—Oil Used in the Treatment of Woolen Fabrics.
*Claims use* since Oct. 2, 1917.

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Ser. No. 221,258. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HIDALGO MEDICINE COMPANY, INC., Los Angeles, Calif. Filed Oct. 5, 1925.

The portrait is that of Hidalgo (deceased), a Mexican patriot.
*Particular description of goods.*—Preparation for the Blood.
*Claims use* since July 5, 1925.

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Ser. No. 221,276. (CLASS 12. CONSTRUCTION MATERIALS.) PACIFIC LIME & PLASTER CO., San Francisco, Calif. Filed Oct. 5, 1925.

*Particular description of goods.*—Hydrated Lime.
*Claims use* since July 15, 1925.

Ser. No. 221,300. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BOLDUC BROS., Boston, Mass. Filed Oct. 6, 1925.

HEROPAD

*Particular description of goods.*—Polish for Windshields, Painted Surfaces, Metals, and Kindred Uses.
*Claims use* since Feb. 21, 1925.

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Ser. No. 221,319. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES T. S. HOFFNER, doing business as O-Che-Co Chemical Co., Glenside, Pa. Filed Oct. 6, 1925.

OCHECO

*Particular description of goods.*—Face Powders, Face Creams, Talcum Powders, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Sachets, and Bluing Tablets.
*Claims use* since May 28, 1923.

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Ser. No. 221,322. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) I. & G. SOAP WORKS, Brooklyn, N. Y. Filed Oct. 6, 1925.

I. & G.

*Particular description of goods.*—Powdered Soap.
*Claims use* since Aug. 1, 1925.

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Ser. No. 221,327. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ LABORATORIES, INC. New York, N. Y. Filed Oct. 6, 1925.

OXANTASE

*Particular description of goods.*—Dietetic Preparation for Diabetic Patients.
*Claims use* since Oct. 3, 1925.

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Ser. No. 221,333. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOLON PALMER, New York, N. Y. Filed Oct. 6, 1925.

VIO FLEUR

*Particular description of goods.*—Perfumes.
*Claims use* since Sept. 4, 1925.

Ser. No. 221,350. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) JEAN FAURANT, Paris, France. Filed Oct. 7, 1925.

RYO

*Particular description of goods.*—Cigarette Paper.
*Claims use* since Apr. 1, 1925.

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Ser. No. 221,360. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES E. FIDLER, Kankakee, Ill. Filed Oct. 7, 1925.

Flee-Fly

*Particular description of goods.*—Insecticides.
*Claims use* since June 1, 1925.

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Ser. No. 221,376. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. PARKER PRAY, INC., New York, N. Y. Filed Oct. 7, 1925.

Opaline

*Particular description of goods.*—Nail Polish.
*Claims use* since Oct. 2, 1925.

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Ser. No. 221,377. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH H. QUINTERO, Paris, France. Filed Oct. 7, 1925.

N'EST-CE PAS?

*Particular description of goods.*—Perfume, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Lotion for the Skin and Hair, Brilliantine, Rouges, and Dentifrices.
*Claims use* since Sept. 16, 1925.



Ser. No. 221,391. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) RICHARD DABNEY THACKSTON, doing business as Farmville Lithia Springs Company, Farmville, Va. Filed Oct. 7, 1925. Under ten-year proviso.

*Particular description of goods.*—Lithia Water.
*Claims use* since 1877.

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Ser. No. 221,394. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WARREN TOOL AND FORGE CO., Warren, Ohio. Filed Oct. 7, 1925.

HACK-DEVIL

*Particular description of goods.*—Adzes.
*Claims use* since March, 1922.

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Ser. No. 221,395. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WARREN TOOL AND FORGE CO., Warren, Ohio. Filed Oct. 7, 1925.

SLUG DEVIL

*Particular description of goods.*—Mauls.
*Claims use* since August, 1923.

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Ser. No. 221,396. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WARREN TOOL AND FORGE CO., Warren, Ohio. Filed Oct. 7, 1925.

CUT DEVIL

*Particular description of goods.*—Chisels.
*Claims use* since January, 1924.

Ser. No. 221,399. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CHARLES W. WHITTLESEY CO., New Haven, Conn. Filed Oct. 7, 1925.

Northland

*Particular description of goods.*—Cod-Liver Oil.
*Claims use* since Oct. 4, 1924.

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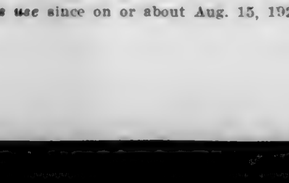
Ser. No. 221,406. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALIFORNIA BLEACHING WATER CO., San Francisco, Calif. Filed Oct. 8, 1925.

C & G



*Particular description of goods.*—Bleaching Water.
*Claims use* since Aug. 8, 1920.

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Ser. No. 221,487. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEINE & CO., New York, N. Y. Filed Oct. 9, 1925.

Jasmiel

*Particular description of goods.*—Essential Oils Suitable for Perfumery Purposes.
*Claims use* since Sept. 18, 1925.

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Ser. No. 221,566. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE QUERRIPIN CO., North Augusta, S. C. Filed Oct. 10, 1925.

Querrpin

*Particular description of goods.*—Medicine for Tuberculosis.
*Claims use* since on or about Aug. 15, 1925.

Ser. No. 221,597. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. ERASTE CHAMPAGNE, Lafayette, La. Filed Oct. 12, 1925.

E. L. C.

*Particular description of goods.*—Ointment for the Treatment of Piles.
*Claims use* since Sept. 7, 1925.

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Ser. No. 221,657. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. H. B. LABORATORIES, Lubbock, Tex. Filed Oct. 13, 1925.

*Particular description of goods.*—Preparation for Use in the Treatment of the Scalp and in the Treatment of Eczema, Barber's Itch, Tetter, Poison Ivy, and Other Skin Troubles.
*Claims use* since July 26, 1925.

Ser. No. 221,676. (CLASS 43. THREAD AND YARN.) THE UNION THREAD COMPANY, Cincinnati, Ohio. Filed Oct. 13, 1925.

AL-N-CO

*Particular description of goods.*—Thread.
*Claims use* since on or about Aug. 1, 1924.

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Ser. No. 221,726. (CLASS 17. TOBACCO PRODUCTS.) VICTOR TALKING MACHINE COMPANY, Camden, N. J. Filed Oct. 14, 1925.

*Particular description of goods.*—Cigars, Cigarettes, Smoking Tobacco, and Cigarettes Made From Cigar Tobacco.
*Claims use* since Autumn of 1904.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

NOVEMBER 17, 1925.

205,693. OUTER SKIRTS AND DRESSES FOR WOMEN AND CHILDREN. AARON & SHERMAN, Chicago, Ill.
Filed October 22, 1921. Serial No. 154,424. PUBLISHED AUGUST 18, 1925.

205,694. CALKING ROOFING CEMENT AND JOINT CEMENT AND CONCRETE HARDENER. THE ARGUS MANUFACTURING CO., Cleveland, Ohio.
Filed April 11, 1923. Serial No. 178,948. PUBLISHED AUGUST 18, 1925.

205,695. BREECHES AND TROUSERS FOR MEN AND BOYS. KRANZ MERCANTILE CO. INC., New York, N. Y.
Filed April 27, 1923. Serial No. 179,800. PUBLISHED AUGUST 11, 1925.

205,696. ROMPERS. ARTHUR W. MCMAHON, Kew Gardens, N. Y.
Filed June 1, 1923. Serial No. 181,449. PUBLISHED SEPTEMBER 1, 1925.

205,697. CIGARS. LUBETSKY BROS. CO., Grand Rapids, Mich.
Filed June 25, 1923. Serial No. 182,425. PUBLISHED SEPTEMBER 1, 1925.

205,698. WOMEN'S UNDERWEAR—TO WIT, GOWNS, CHEMISES, CORSET COVERS, COMBINATIONS, PRINCESS SLIPS, DRAWERS, AND VESTS MADE OF TEXTILE FABRIC. THE J. L. HUDSON CO., Detroit, Mich.
Filed July 3, 1923. Serial No. 182,752. PUBLISHED SEPTEMBER 1, 1925.

205,699. SOPORIFIC MEDICINE. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed January 3, 1924. Serial No. 190,397. PUBLISHED MARCH 25, 1924.

205,700. CERTAIN WIRE FABRICS AND PRODUCTS. AMERICAN WIRE FABRICS CORPORATION, Chicago, Ill.
Filed March 12, 1924. Serial No. 193,648. PUBLISHED SEPTEMBER 1, 1925.

205,701. DRESS SHIELDS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed March 21, 1924. Serial No. 194,173. PUBLISHED JANUARY 20, 1925.

205,702. COTTON PIECE GOODS. MINOT, HOOPER & CO., New York, N. Y.
Filed March 25, 1924. Serial No. 194,406. PUBLISHED SEPTEMBER 1, 1925.

205,703. BOTTLED FRUIT JUICES. PORT-O INC., Portland, Oreg.
Filed April 10, 1924. Serial No. 195,300. PUBLISHED SEPTEMBER 1, 1925.

205,704. CANDY. H. L. HILDRETH COMPANY, Boston, Mass.
Filed April 23, 1924. Serial No. 196,020. PUBLISHED AUGUST 25, 1925.

205,705. BOTTLED FRUIT JUICES. PORT-O INC., Portland, Oreg.
Filed April 10, 1924. Serial No. 195,301. PUBLISHED SEPTEMBER 1, 1925.

205,706. CERTAIN CLOTH TOWELS, BATH MATS, AND TEXTILE BATHROOM RUGS. HOBLFELD MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 8, 1924. Serial No. 196,743. PUBLISHED SEPTEMBER 1, 1925.

205,707. ALUMINUM AND ALUMINUM ALLOYS. VEREINIGTE ALUMINUM-WERKE A.-G., Lautawerk, Germany.
Filed May 23, 1924. Serial No. 197,520. PUBLISHED AUGUST 4, 1925.

205,708. KNITTED HOSIERY, AND UNDERWEAR OF COTTON, WOOL, SILK, OR MIXTURES OF THE SAME. THE GOLDEN RULE, St. Paul, Minn.
Filed May 29, 1924. Serial No. 197,808. PUBLISHED SEPTEMBER 1, 1925.

205,709. TOYS, PARTICULARLY KNOCKDOWN TOYS MADE FROM PAPERBOARD OR SIMILAR MATERIAL, HAVING PICTURES PRINTED ON THE VARIOUS PIECES TO SIMULATE OBJECTS AND PROVIDED WITH A ROUNDABOUT PORTION MOUNTED ON A WOODEN SHAFT. THE PARAFFINE COMPANIES, INC., San Francisco, Calif.
Filed June 4, 1924. Serial No. 198,085. PUBLISHED SEPTEMBER 1, 1925.

205,710. CHILDREN'S VESTS, CAPS, WAISTCOATS, SWEATERS, GOLF COATS, TOPCOATS, SCARFS, SACK COATS, REEFERS, KNICKERS; MEN'S VESTS, WAISTCOATS, SWEATERS, GOLF COATS, SACK COATS, TOPCOATS, SCARFS, KNICKERS, AND CAPS; WOMEN'S VESTS, WAISTCOATS, SWEATERS, GOLF COATS, TOPCOATS, SCARFS, AND KNICKERS. DUMAN TEXTILE MILLS INC., Brooklyn, N. Y.
Filed June 26, 1924. Serial No. 199,155. PUBLISHED SEPTEMBER 1, 1925.

205,711. WOODEN GARAGE DOORS, FRENCH DOORS, AND ORDINARY HOUSE DOORS AND CUT STOCK FOR THE SAME. CENTRAL DOOR AND LUMBER COMPANY, Portland, Oreg.
Filed June 7, 1924. Serial No. 198,223. PUBLISHED NOVEMBER 11, 1924.

205,712. WOOLEN PIECE GOODS. STRONG, HEWAT & CO. INC., New York, N. Y.
Filed July 15, 1924. Serial No. 200,060. PUBLISHED SEPTEMBER 1, 1925.

205,713. MOVING PICTURES. UNIVERSAL PICTURES CORPORATION, New York, N. Y.
Filed April 29, 1925. Serial No. 218,536. PUBLISHED SEPTEMBER 1, 1925.

205,714. MECHANICS' SOAP. THE SUPREME SOAP MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed April 29, 1925. Serial No. 213,532. PUBLISHED AUGUST 18, 1925.

205,715. OPHTHALMIC LENSES. C V LENS CO., INC., Rochester, N. Y.
Filed April 29, 1925. Serial No. 213,490. PUBLISHED SEPTEMBER 1, 1925.

205,716. SMOKING TOBACCO AND CIGARETTES. HATCH MANSFIELD & CO., LIMITED, doing business as Cestrada Cigarette Co., London, England.
Filed April 24, 1925. Serial No. 213,239. PUBLISHED SEPTEMBER 1, 1925.

205,717. CIGARETTES. HATCH MANSFIELD & CO., LIMITED, doing business as Cestrada Cigarette Co., London, England.
Filed April 24, 1925. Serial No. 213,238. PUBLISHED SEPTEMBER 1, 1925.

205,718. PERFUMERY ATOMIZERS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed April 22, 1925. Serial No. 213,129. PUBLISHED SEPTEMBER 1, 1925.

205,719. CALCULATING MACHINES. MARCHANT CALCULATING MACHINE COMPANY, Oakland, Calif.
Filed April 18, 1925. Serial No. 212,941. PUBLISHED SEPTEMBER 1, 1925.

205,720. CERTAIN FABRIC. ROBERT DELAUNAY, Paris, France.
Filed April 18, 1925. Serial No. 212,899. PUBLISHED SEPTEMBER 1, 1925.

205,721. LADIES' GARMENTS—NAMELY, COATS, WRAPS, SUITS, DRESSES, COSTUMES, FROCKS, UNDERWEAR CONSISTING OF KNITTED OR TEXTILE FABRIC, LINGERIE, AND HATS. PRINCESS NINA ZIZIANOFF, doing business as Princess Z., New York, N. Y.
Filed April 14, 1925. Serial No. 212,708. PUBLISHED JUNE 23, 1925.

205,722. MEN'S, WOMEN'S, AND CHILDREN'S SPORT SHIRTS. NEW ERA SHIRT COMPANY, St. Louis, Mo.
Filed April 13, 1925. Serial No. 212,630. PUBLISHED SEPTEMBER 1, 1925.

205,723. SENSITIZED PHOTOGRAPHIC FILM. ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y.
Filed April 13, 1925. Serial No. 212,585. PUBLISHED SEPTEMBER 1, 1925.

205,724. CERTAIN LABORATORY, MEASURING, AND SCIENTIFIC APPLIANCES. BAKELITE CORPORATION, New York, N. Y.
Filed April 11, 1925. Serial No. 212,526. PUBLISHED SEPTEMBER 1, 1925.

205,725. SILK AND COTTON PIECE GOODS AND MIXTURES OF THE SAME. NATHAN H. RICH & BRO., New York, N. Y.
Filed April 6, 1925. Serial No. 212,295. PUBLISHED AUGUST 18, 1925.

205,726. SANITARY COTTON POINTS. THE OHIO CHEMICAL & MANUFACTURING COMPANY, Cleveland, Ohio.
Filed April 4, 1925. Serial No. 212,195. PUBLISHED SEPTEMBER 1, 1925.

205,727. FELTS FOR PAPER MACHINERY. V. ASTEN & CO., Eupen, Belgium.
Filed April 4, 1925. Serial No. 212,171. PUBLISHED AUGUST 18, 1925.

205,728. THREAD. THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C.
Filed April 2, 1925. Serial No. 212,078. PUBLISHED SEPTEMBER 1, 1925.

205,729. THREAD. THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C.
Filed April 2, 1925. Serial No. 212,064. PUBLISHED SEPTEMBER 1, 1925.

205,730. CHIFFON IN THE PIECE. GARFINKEL & RITTER, New York, N. Y.
Filed March 26, 1925. Serial No. 211,676. PUBLISHED SEPTEMBER 1, 1925.

205,731. BRAIDS, SHOE LACES, AND HATBANDS. HUGHES FAWCETT, New York, N. Y.
Filed March 26, 1925. Serial No. 211,670. PUBLISHED AUGUST 25, 1925.

205,732. TOILET LOTIONS, FACE AND SKIN CREAMS, PERFUMES, FACE POWDERS, RUBBING ALCOHOLS, OINTMENTS FOR THE ALLEVIATION OF SUNBURNS, SACHETS, MUSCLE OILS, ROUGE, LIP PENCILS, LIP SALVE, EYEBROW PENCILS, LIP PASTE, EYEBROW MUCILAGE, HAIR TONIC, HAIR OINTMENTS, HAIR POMADE, SHAMPOO POWDERS, BATH SALTS, DEPILATORY AND HAIR ERADICATORS. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed March 25, 1925. Serial No. 211,598. PUBLISHED SEPTEMBER 1, 1925.

205,733. CERTAIN TOILET PREPARATIONS. LES PARFUMS DE ROSINE, New York, N. Y.
Filed July 21, 1924. Serial No. 200,327. PUBLISHED AUGUST 25, 1925.

205,734. DRESSES. CITY STORES COMPANY, New York, N. Y.
Filed September 9, 1924. Serial No. 202,383. PUBLISHED SEPTEMBER 1, 1925.

205,735. OIL BURNERS. PEXOL OIL BURNER COMPANY, Philadelphia, Pa.
Filed September 20, 1924. Serial No. 202,823. PUBLISHED AUGUST 18, 1925.

205,736. TRANSFERS COMPRISING A PAPER BASE HAVING A MARKING IN FUSIBLE MARKING COMPOSITION THEREON. KAUMAGRAPH CO., New York, N. Y.
Filed September 24, 1924. Serial No. 202,995. PUBLISHED AUGUST 18, 1925.

205,737. SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THE SAME, AND ALSO OF VARIOUS COMPOSITIONS IN PART AND AS A WHOLE. NU-WAY SHOE CO., New York, N. Y.
Filed November 13, 1924. Serial No. 205,221. PUBLISHED AUGUST 25, 1925.

205,738. MUFFLERS, TIES, CRAVATS, LADIES' VESTEES, COLLARS AND CUFFS, GARTERS, HOSE SUPPORTERS, ARM BANDS, BABIES' RUBBER PANTS, BELTS FOR PERSONAL WEAR, SUSPENDERS, LEATHER GLOVES, CANVAS GLOVES, SUÈDE GLOVES, LEATHER-PALM CANVAS GLOVES, WOOL GLOVES, HOSIERY, BOYS' BLOUSES, WORK AND DRESS SHIRTS, KNITTED UNDERWEAR, NIGHTSHIRTS, PYJAMAS, MEN'S, WOMEN'S, AND CHILDREN'S SWEATERS AND CAPS; CHILDREN'S SUITS. LEFF BROS. DRY GOODS & NOTION CO., Houston, Tex.
Filed December 8, 1924. Serial No. 206,418. PUBLISHED SEPTEMBER 1, 1925.

205,739. TOILET AND SHAVING SOAPS (IN SOLID, POWDERED, AND LIQUID FORM). THE PALMOLIVE COMPANY, Chicago, Ill.
Filed December 22, 1924. Serial No. 207,094. PUBLISHED AUGUST 18, 1925.

205,740. INSTRUMENTS, APPARATUS, AND IMPLEMENTS FOR SPECIFIED PURPOSES, AND ARTIFICIAL LIMBS. AKTIEBOLAGET STILLE-WERNER, Stockholm, Sweden.
Filed December 29, 1924. Serial No. 207,336. PUBLISHED SEPTEMBER 1, 1925.

205,741. FRINGES OF SILK, ARTIFICIAL SILK, LINEN, COTTON, OR OTHER FIBER. MENDELSOHN & SILVER, New York, N. Y.
Filed January 2, 1925. Serial No. 207,587. PUBLISHED JULY 28, 1925.

205,742. CERTAIN HEAVY COARSE MATERIAL SOMEWHAT RESEMBLING BURLAP. A. J. KEACH & CO., New York, N. Y.
Filed January 13, 1925. Serial No. 208,052. PUBLISHED SEPTEMBER 1, 1925.

205,743. FISHING RODS, FISHING REELS, WHISTLES AND CALLS FOR ANIMALS AND BIRDS, ROLLER SKATES, ICE SKATES WITH STRAPS AND WITHOUT STRAPS AND SCABBARDS THEREFOR, SKATES WITH SHOES ATTACHED SOLD AS A UNIT, AND SKATE KEYS. UNION HARDWARE COMPANY, Torrington, Conn.
Filed January 29, 1925. Serial No. 208,833. PUBLISHED SEPTEMBER 1, 1925.

205,744. CERTAIN GLASS LIGHT REFLECTORS. JONATHAN C. STIMSON, doing business as Stimson Reflector Company, St. Louis, Mo.
Filed February 5, 1925. Serial No. 209,146. PUBLISHED SEPTEMBER 1, 1925.



205,745. HAIRDRESSING. LEONCIO MATOS, New York, N. Y.
Filed February 11, 1925. Serial No. 209,421. PUBLISHED AUGUST 4, 1925.

205,746. HOSIERY. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo.
Filed February 16, 1925. Serial No. 209,672. PUBLISHED SEPTEMBER 1, 1925.

205,747. FULL-FASHIONED HOSIERY FOR LADIES. RUBSEKS, Detroit, Mich.
Filed February 21, 1925. Serial No. 210,012. PUBLISHED SEPTEMBER 1, 1925.

205,748. FROCKS. WOMAN'S WORLD MAGAZINE CO., INC., Chicago, Ill.
Filed February 26, 1925. Serial No. 210,207. PUBLISHED SEPTEMBER 1, 1925.

205,749. BUTTONS NOT OF PRECIOUS METAL. HOBE BUTTON CO. INC., New York, N. Y.
Filed March 16, 1925. Serial No. 211,101. PUBLISHED JUNE 2, 1925.

205,750. SILK PIECE GOODS. THE CORTICELLI SILK COMPANY, Florence, Mass.
Filed March 20, 1925. Serial No. 211,331. PUBLISHED SEPTEMBER 1, 1925.

205,751. OVERCOATS. SAMPECK CLOTHES, INC., New York, N. Y.
Filed March 20, 1925. Serial No. 211,377. PUBLISHED SEPTEMBER 1, 1925.

205,752. MEN'S DRESS SHIRTS. HARRY CHANDLER, Greensboro, N. C.
Filed March 24, 1925. Serial No. 211,517. PUBLISHED SEPTEMBER 1, 1925.

205,753. CANDY. GREEN BROS. CO., Springfield, Mass.
Filed July 23, 1925. Serial No. 217,769. PUBLISHED SEPTEMBER 1, 1925.

205,754. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. CORONA CITROUS ASSOCIATION, Corona, Calif.
Filed July 23, 1925. Serial No. 217,760. PUBLISHED SEPTEMBER 1, 1925.

205,755. CANDY. AMERICAN CARAMEL COMPANY, York, Pa.
Filed July 21, 1925. Serial No. 217,657. PUBLISHED SEPTEMBER 1, 1925.

205,756. FRESH SWEET POTATOES. PITTSBURG STORAGE COMPANY, Pittsburg, Tex.
Filed July 18, 1925. Serial No. 217,579. PUBLISHED SEPTEMBER 1, 1925.

205,757. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. GLENDORA CITRUS ASSOCIATION, Glendora, Calif.
Filed July 18, 1925. Serial No. 217,555. PUBLISHED SEPTEMBER 1, 1925.

205,758. FRESH TOMATOES. GOULDS FRUIT & VEGETABLE GROWERS ASS'N, INC., Goulds, Fla.
Filed July 16, 1925. Serial No. 217,458. PUBLISHED SEPTEMBER 1, 1925.

205,759. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. ORANGE MUTUAL CITRUS ASSOCIATION, Orange, Calif.
Filed July 15, 1925. Serial No. 217,417. PUBLISHED SEPTEMBER 1, 1925.

205,760. CANDIED FRUITS, CANDY, PREPARED CHOCOLATE, PREPARED COCOA. FRED. B. MARQUARD, Los Angeles, Calif.
Filed July 15, 1925. Serial No. 217,408. PUBLISHED SEPTEMBER 1, 1925.

205,761. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. CENTRAL LEMON ASSOCIATION, Villa Park, Calif.
Filed July 6, 1925. Serial No. 216,878. PUBLISHED SEPTEMBER 1, 1925.

205,762. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. LEFFINGWELL RANCHO LEMON ASSOCIATION, Whittier, Calif.
Filed June 22, 1925. Serial No. 216,190. PUBLISHED SEPTEMBER 1, 1925.

205,763. CANNED FRUITS—NAMELY, CANNED APPLES; CANNED BERRIES—NAMELY, CANNED BLACKBERRIES; CANNED VEGETABLES—NAMELY, CANNED RHUBARB. FASSETT & COMPANY, Tacoma, Wash.
Filed June 22, 1925. Serial No. 216,166. PUBLISHED SEPTEMBER 1, 1925.

205,764. FRESH GRAPES. JOACHIM P. CIRESE, doing business as Cirese Bros. & Co., Chicago, Ill.
Filed June 22, 1925. Serial No. 216,148. PUBLISHED SEPTEMBER 1, 1925.

205,765. APRONS. STERN APRON MANUFACTURING COMPANY, Elizabethtown, Pa.
Filed June 10, 1925. Serial No. 215,597. PUBLISHED AUGUST 4, 1925.

205,766. BEARINGS. MILWAUKEE DIE CASTING CO., Milwaukee, Wis.
Filed June 4, 1925. Serial No. 215,306. PUBLISHED AUGUST 4, 1925.

205,767. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. COVINA CITRUS ASSOCIATION, Covina, Calif.
Filed May 22, 1925. Serial No. 214,711. PUBLISHED SEPTEMBER 1, 1925.

205,768. CANDY. QUAKER CITY CHOCOLATE & CONFECTIONERY COMPANY, Philadelphia, Pa.
Filed May 6, 1925. Serial No. 213,915. PUBLISHED SEPTEMBER 1, 1925.

205,769. OVERALLS. J. E. J. SLIP OVA-ALLS COMPANY, Dunmore, Pa.
Filed April 24, 1925. Serial No. 213,240. PUBLISHED SEPTEMBER 1, 1925.

205,770. CHILDREN'S DRESSES, NIGHTGOWNS, AND BAPTISMAL SETS. JOSEPH F. ROSENAU, doing business as Nannette Mfg. Co., Philadelphia, Pa.
Filed April 21, 1925. Serial No. 213,096. PUBLISHED JULY 21, 1925.

205,771. EGGS. SWIFT AND COMPANY, Chicago, Ill.
Filed April 20, 1925. Serial No. 213,049. PUBLISHED AUGUST 4, 1925.

205,772. FRESH GRAPEFRUIT, FRESH TANGERINES. HARRY W. FORBES, doing business as Forbes Farms, Los Angeles and Thermal, Calif.
Filed April 6, 1925. Serial No. 212,246. PUBLISHED SEPTEMBER 1, 1925.

205,773. BLANK BOOKS—NAMELY, CHECK REGISTERS. GUSTAV C. KUNKEL, Buffalo, N. Y.
Filed February 9, 1925. Serial No. 209,302. PUBLISHED JULY 28, 1925.

205,774. MALT EXTRACTS FOR FOOD PURPOSES. FRANK PETRANEK, doing business as Magnet Malt Extract Co., Berwyn, Ill.
Filed July 8, 1925. Serial No. 217,047. PUBLISHED SEPTEMBER 1, 1925.

205,775. FOOD-FLAVORING EXTRACTS. PIERRE BON SEIGNEUR, doing business as Bondex Food Products Co., Baltimore, Md.
Filed June 5, 1925. Serial No. 215,330. PUBLISHED SEPTEMBER 1, 1925.

205,776. CHOCOLATE CANDY, COCOA, AND MUSTARD. D. GHIRARDELLI CO., San Francisco, Calif.
Filed May 21, 1925. Serial No. 214,658. PUBLISHED SEPTEMBER 1, 1925.

205,777. ICE CREAM. CHAPIN-SACKS CORPORATION, Washington, D. C.
Filed March 12, 1925. Serial No. 210,882. PUBLISHED SEPTEMBER 1, 1925.

205,778. EGGS, BABY CHICKS, LIVE POULTRY, AND DRESSED POULTRY. ROYAL W. DIMOND, doing business as Sunnyacres Poultry Farm, Pascoag, R. I.
Filed March 9, 1925. Serial No. 210,716. PUBLISHED SEPTEMBER 1, 1925.

205,779. HAIR TONIC, ROUGES, TOILET WATER, WRINKLE ERADICATORS, FACE CREAM AND COLD CREAM, NAIL POLISH, EYEBROW TINT AND EYEBROW PENCILS, FACE AND HAIR LOTION, PERFUMERY PASTILS, FACE POWDER, TOOTH PASTE, BATH SALTS, HAIR COLORING, EAU DE COLOGNE, DEPILATORY, PETROLATUM, POMADE FOR THE SKIN, TOILET VINEGAR, GLYCERIN, TALCUM POWDER, EAU DE QUININE, SKIN WHITENER, EYE TONIC, BRILLIANTINE, AND HAIR OIL. WARIS & CIE., Paris, France.
Filed February 7, 1925. Serial No. 209,258. PUBLISHED JUNE 23, 1925.

205,780. BUTTER, BUTTERMILK, HAMS, BACON, AND DRESSED POULTRY. WITT'S MARKET HOUSE, Minneapolis, Minn.
Filed January 16, 1925. Serial No. 208,211. PUBLISHED SEPTEMBER 1, 1925.

205,781. ICINGS FOR CAKES OR FOR USE IN CANDY. HACKER BROTHERS, doing business as Instant Icing Company, Indianapolis, Ind.
Filed January 9, 1925. Serial No. 207,868. PUBLISHED SEPTEMBER 1, 1925.

205,782. OLIVE OIL. HOOHHEISER & WEISBERG INC., New York, N. Y.
Filed March 6, 1924. Serial No. 193,335. PUBLISHED SEPTEMBER 1, 1925.

205,783. BLOCK PUZZLES. CLARENCE M. LEVETT, New York, N. Y.
Filed June 10, 1925. Serial No. 215,578. PUBLISHED SEPTEMBER 1, 1925.

205,784. OBSTETRIC EXTRACTORS. CHRISTIAN KIELLAND, Oslo, Norway.
Filed June 11, 1925. Serial No. 215,635. PUBLISHED SEPTEMBER 1, 1925.

205,785. HAND DRILLS, VISES, WRENCHES, HAMMERS, AND JACKS. WALKER-TURNER CO., INC., New York, N. Y.
Filed June 12, 1925. Serial No. 215,720. PUBLISHED AUGUST 18, 1925.

205,786. PHONOGRAPH AND RADIO CABINETS, CONSOLE CABINETS, CONSOLES, KITCHEN CABINETS, WALL CABINETS, TABLES FOR HOUSEHOLD USE, AND WRITING DESKS. THE PIERSON COMPANY, Rockford, Ill.
Filed June 11, 1925. Serial No. 215,653. PUBLISHED AUGUST 18, 1925.

205,787. MEN'S, YOUTHS', AND BOYS' OVERALLS; DRESS, NEGLIGEE, AND WORK SHIRTS; CHILDREN'S PLAY SUITS, AND ONE-PIECE WORK GARMENTS KNOWN AS GARAGE SUITS. STUART, KEITH & CO. INC., Baltimore, Md.
Filed June 13, 1925. Serial No. 215,761. PUBLISHED SEPTEMBER 1, 1925.

205,788. SKIN-CLEANSING CREAM. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed June 15, 1925. Serial No. 215,798. PUBLISHED SEPTEMBER 1, 1925.

205,789. PARLOR BOARD GAME PLAYED WITH PIECES. DALY-FETHERSTON CORP., New York, N. Y.
Filed June 16, 1925. Serial No. 215,848. PUBLISHED SEPTEMBER 1, 1925.

205,790. TIRE-VALVE INSIDES, TIRE-VALVE CAPS, TIRE-VALVE BODIES. WEIN SALES CORPORATION, Brooklyn, N. Y.
Filed June 17, 1925. Serial No. 215,955. PUBLISHED SEPTEMBER 1, 1925.

205,791. SEWING NEEDLES. H. BOKER & CO., INC., New York, N. Y.
Filed June 18, 1925. Serial No. 215,965. PUBLISHED AUGUST 25, 1925.

205,792. LADIES' AND YOUNG WOMEN'S DRESSES. ISAAC ADLER, New York, N. Y.
Filed June 19, 1925. Serial No. 216,006. PUBLISHED SEPTEMBER 1, 1925.

205,793. INSECTICIDE. DAMPENE CHEMICAL COMPANY, Kenner, La.
Filed July 14, 1925. Serial No. 217,333. PUBLISHED SEPTEMBER 1, 1925.

205,794. COTTON, SILK, AND ARTIFICIAL-SILK PIECE GOODS. LESTER R. WALLS CO. INCORPORATED, New York, N. Y.
Filed July 11, 1925. Serial No. 217,235. PUBLISHED SEPTEMBER 1, 1925.

205,795. A SURGICAL DRESSING FOR WOUNDS, BURNS, SCALDS, AND AS AN APPLICATION FOR ALL IRRITATED SURFACES, NONPOISONOUS. THE FOSTER-DACK CO., Chicago, Ill.
Filed July 11, 1925. Serial No. 217,217. PUBLISHED SEPTEMBER 1, 1925.

205,796. HAIR TONIC. JOSEPH CARROZZA, Philadelphia, Pa.
Filed July 11, 1925. Serial No. 217,207. PUBLISHED SEPTEMBER 1, 1925.

205,797. CORN CURES. BURGIT CHEMISCH PHARMAZEUTISCHE ERZEUGNISSE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany.
Filed July 11, 1925. Serial No. 217,205. PUBLISHED SEPTEMBER 1, 1925.

205,798. COSMETICS—NAMELY, FACE CREAMS, FACE POWDERS, ROUGES, LIP STICKS, EYEBROW PENCILS, COMPACTS, AND PERFUMERIES. STIX, BAER & FULLER CO., St. Louis, Mo.
Filed July 10, 1925. Serial No. 217,189. PUBLISHED SEPTEMBER 1, 1925.

205,799. SUGAR. ALBERT LEO, Chicago, Ill.
Filed July 10, 1925. Serial No. 217,165. PUBLISHED AUGUST 25, 1925.

205,800. HAIRDRESSING PREPARATIONS. ALFRED J. KRANK, doing business as A. J. Krank Manufacturing Company, St. Paul, Minn.
Filed July 10, 1925. Serial No. 217,158. PUBLISHED SEPTEMBER 1, 1925.

205,801. LAXATIVE. FLORIA CHEMICAL CO. INC., New York, N. Y.
Filed July 8, 1925. Serial No. 217,016. PUBLISHED SEPTEMBER 1, 1925.

205,802. REFRIGERATORS AND ICE-MAKING MACHINES. FREDERICK BERRY ROCKWELL, Buffalo, N. Y., and Stamford, Conn.
Filed July 7, 1925. Serial No. 216,993. PUBLISHED SEPTEMBER 1, 1925.

205,803. STOPPERS OR CORKS FOR BOTTLES, JUGS, AND JARS. CONSOLIDATED CORK CORPORATION, Brooklyn, N. Y.
Filed July 7, 1925. Serial No. 216,966. PUBLISHED AUGUST 25, 1925.

205,804. NONALCOHOLIC, MALTLESS COMPOUND SIRUP FOR SOFT DRINKS. HURTY-PECK & CO., Indianapolis, Ind.
Filed July 6, 1925. Serial No. 216,910. PUBLISHED SEPTEMBER 1, 1925.

205,805. SMOKING AND CHEWING TOBACCO. F. & M. HERBS CO., INC., Hudson, N. Y.
Filed July 3, 1925. Serial No. 216,834. PUBLISHED SEPTEMBER 1, 1925.

205,806. LADIES' AND MISSES' SILK DRESSES AND SILK UNDERWEAR. HARTFORD SILK WAIST COMPANY, Hartford, Conn.
Filed July 3, 1925. Serial No. 216,833. PUBLISHED SEPTEMBER 1, 1925.



205,807. CASH BOXES, INSTRUMENT CASES, VANITY BOXES, SAFETY-RAZOR BOXES, ROUGE AND PASTE BOXES, AND WASTE-PAPER BASKETS. BAKELITE CORPORATION, New York, N. Y.
Filed July 3, 1925. Serial No. 216,816. PUBLISHED SEPTEMBER 1, 1925.

205,808. PREPARATION FOR REMOVING RUST. LUBRICANT LABORATORIES, INC., Boston, Mass.
Filed July 1, 1925. Serial No. 216,737. PUBLISHED SEPTEMBER 1, 1925.

205,809. BASEBALL BATS. HILLERICH & BRADSBY CO., Louisville, Ky.
Filed July 1, 1925. Serial No. 216,724. PUBLISHED AUGUST 18, 1925.

205,810. HOSIERY. THE BEEBE-HOWES CO., New York, N. Y.
Filed June 30, 1925. Serial No. 216,666. PUBLISHED SEPTEMBER 1, 1925.

205,811. BUTTONS FOR WEARING APPAREL, EXCEPT BUTTONS OF PRECIOUS METAL. DR. THOMAS & CO., G. M. B. H., Barmen, Germany.
Filed June 29, 1925. Serial No. 216,648. PUBLISHED SEPTEMBER 1, 1925.

205,812. NAINSOOK ATHLETIC UNDERWEAR IN ONE AND TWO PIECE GARMENTS FOR MEN, WOMEN, AND CHILDREN. NAVICLOTH UNDERWEAR CORPORATION, Grand Rapids, Mich.
Filed June 29, 1925. Serial No. 216,622. PUBLISHED SEPTEMBER 1, 1925.

205,813. COTTON PIECE GOODS—VIZ, LAWNS. BEH, VAN BERGEN & CO., INC., New York, N. Y.
Filed July 22, 1925. Serial No. 217,694. PUBLISHED SEPTEMBER 1, 1925.

205,814. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. Y.
Filed July 20, 1925. Serial No. 217,616. PUBLISHED SEPTEMBER 1, 1925.

205,815. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed July 20, 1925. Serial No. 217,615. PUBLISHED SEPTEMBER 1, 1925.

205,816. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed July 20, 1925. Serial No. 217,614. PUBLISHED SEPTEMBER 1, 1925.

205,817. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed July 20, 1925. Serial No. 217,613. PUBLISHED SEPTEMBER 1, 1925.

205,818. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed July 20, 1925. Serial No. 217,612. PUBLISHED SEPTEMBER 1, 1925.

205,819. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed July 20, 1925. Serial No. 217,611. PUBLISHED SEPTEMBER 1, 1925.

205,820. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed July 20, 1925. Serial No. 217,610. PUBLISHED SEPTEMBER 1, 1925.

205,821. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed July 20, 1925. Serial No. 217,607. PUBLISHED SEPTEMBER 1, 1925.

205,822. GARBAGE AND WASTE CANS. MASTER METAL PRODUCTS, INC., Buffalo, N. Y.
Filed July 17, 1925. Serial No. 217,522. PUBLISHED SEPTEMBER 1, 1925.

205,823. [WITHDRAWN.]

205,824. PISTOL GRIPS AND BUTT PLATES. BAKELITE CORPORATION, New York, N. Y.
Filed July 17, 1925. Serial No. 217,490. PUBLISHED SEPTEMBER 1, 1925.

205,825. DEODORANT CREAM. JEAN VALLÉE & CIE., INC., La Porte, Ind.
Filed July 16, 1925. Serial No. 217,487. PUBLISHED SEPTEMBER 1, 1925.

205,826. SALVE FOR THE TREATMENT OF OPEN SORES, BOILS, ULCERS, ECZEMA, OLD SORES, FRESH CUTS, BURNS, SCALDS, BUNIONS, AND CAKED BREASTS. JENNIE FLETEMEYER, Jonesburg, Mo.
Filed July 16, 1925. Serial No. 217,456. PUBLISHED SEPTEMBER 1, 1925.

205,827. WOOLEN DRESS GOODS, ESPECIALLY WORSTEDS IN THE PIECE. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y.
Filed July 16, 1925. Serial No. 217,440. PUBLISHED SEPTEMBER 1, 1925.

205,828. HAIRDRESSING. BYRON O. WILKINS, doing business as Lavender Toilet Co., Luxora and Jonesboro, Ark.
Filed July 15, 1925. Serial No. 217,437. PUBLISHED SEPTEMBER 1, 1925.

205,829. SALVE FOR BOILS, CARBUNCLES, PIMPLES, PILES, ECZEMA, AND SKIN ERUPTIONS. JULIA LEONARD, doing business as Mrs. Leonard, Cambridge, Mass.
Filed July 15, 1925. Serial No. 217,405. PUBLISHED SEPTEMBER 1, 1925.

205,830. PERFUME. B. ALTMAN & CO., New York, N. Y.
Filed July 15, 1925. Serial No. 217,382. PUBLISHED SEPTEMBER 1, 1925.

205,831. LAXATIVE. ARTHUR RICHARDS, doing business as Richards Chemical Company, Glenolden, Pa.
Filed July 14, 1925. Serial No. 217,365. PUBLISHED SEPTEMBER 1, 1925.

205,832. COTTON, SILK, AND ARTIFICIAL-SILK PIECE GOODS AND COMBINATIONS OF THE SAME. M. LOWENSTEIN & SONS INC., New York, N. Y.
Filed July 14, 1925. Serial No. 217,351. PUBLISHED SEPTEMBER 1, 1925.

205,833. HAIR CURLER. KALMAN THAU, doing business as Laura Hair Novelty Company, New York, N. Y.
Filed May 29, 1925. Serial No. 215,109. PUBLISHED SEPTEMBER 1, 1925.

205,834. ARTIFICIAL-SILK UNDERWEAR AND OUTER WEAR IN ONE, TWO, AND THREE PIECE GARMENTS—VIZ, VESTS, STEP-INS, BLOOMERS, CHEMISE, PRINCESS SLIPS, PETTICOATS, NIGHTGOWNS, DRESSES, SWEATERS, AND BATHING SUITS. KITTY WEAR CO. INC., Union Hill, N. J.
Filed June 1, 1925. Serial No. 215,152. PUBLISHED SEPTEMBER 1, 1925.

205,835. HAIR-PROTECTING PADS USED IN THE ART OF PERMANENT HAIR WAVING. THE PERMANENT WAVE MACHINE & SUPPLY CORPORATION, New York, N. Y.
Filed June 1, 1925. Serial No. 215,174. PUBLISHED JULY 28, 1925.

205,836. LADIES' AND MISSES' DRESSES, COATS, SUITS, AND WRAPS OF VARIOUS MATERIALS AND FURS. STEIN AND BLAINE, New York, N. Y.
Filed June 2, 1925. Serial No. 215,221. PUBLISHED SEPTEMBER 1, 1925.

205,837. KNITTED OUTER WEAR, ATHLETIC SHIRTS, SWEATERS, KNITTED COATS FOR MEN, WOMEN, AND CHILDREN. WOOLY-WEST KNITTING MILLS, Portland, Oreg.
Filed June 8, 1925. Serial No. 215,496. PUBLISHED SEPTEMBER 1, 1925.

205,838. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. KIA-ORA, LIMITED, Prahran, Victoria, Australia, and London, England.
Filed June 9, 1925. Serial No. 215,517. PUBLISHED SEPTEMBER 1, 1925.

205,839. HOSIERY. MARIETTA KNITTING COMPANY, Marietta, Ga.
Filed June 6, 1925. Serial No. 215,414. PUBLISHED SEPTEMBER 1, 1925.

205,840. MEN'S AND YOUNG MEN'S SUITS. L. & M. SYSTEM CLOTHES, INC., New York, N. Y.
Filed June 6, 1925. Serial No. 215,412. PUBLISHED SEPTEMBER 1, 1925.

205,841. WOMEN'S UNDERWEAR OF TEXTILE FABRIC. POWIS BROWN COMPANY, INC., New York, N. Y.
Filed June 5, 1925. Serial No. 215,381. PUBLISHED SEPTEMBER 1, 1925.

205,842. KNEELING PADS. HENRY D. HIGINBOTHAM, New York, N. Y.
Filed June 4, 1925. Serial No. 215,301. PUBLISHED SEPTEMBER 1, 1925.

205,843. LADIES' AND MISSES' OUTER APPAREL—NAMELY, COATS, CAPES, JACKETS, SUITS, ENSEMBLE COSTUMES, DRESSES, DRESS SKIRTS, AND DRESS WAISTS. THE PRINTZ BIEDERMAN CO., Cleveland, Ohio.
Filed June 20, 1925. Serial No. 216,118. PUBLISHED SEPTEMBER 1, 1925.

205,844. MALT EXTRACT FOR FOOD PURPOSES. CASH WHOLESALE GROCERS, also doing business as Samuel Kunin & Sons, Chicago, Ill.
Filed June 22, 1925. Serial No. 216,147. PUBLISHED AUGUST 11, 1925.

205,845. GINGER ALE. LOUIS GOLDSTEIN, Chicago, Ill., also doing business as Windsor Ale Company, Chicago, Ill., and New York, N. Y.
Filed June 22, 1925. Serial No. 216,173. PUBLISHED SEPTEMBER 1, 1925.

205,846. BLEACHING FLUID. JASON J. KITTESS, Los Angeles, Calif.
Filed June 22, 1925. Serial No. 216,187. PUBLISHED AUGUST 25, 1925.

205,847. SALVE FOR BUNIONS. FREDRIK V. E. OLSEN, doing business as Fev-O Laboratories, Milwaukee, Wis.
Filed June 22, 1925. Serial No. 216,207. PUBLISHED AUGUST 25, 1925.

205,848. WIRE FENCE. PAGE STEEL & WIRE COMPANY, Adrian, Mich., and Bridgeport, Conn.
Filed June 23, 1925. Serial No. 216,284. PUBLISHED SEPTEMBER 1, 1925.

205,849. WOOLEN PIECE GOODS. STRONG, HEWAT & CO., INC., New York, N. Y.
Filed June 23, 1925. Serial No. 216,298. PUBLISHED SEPTEMBER 1, 1925.

205,850. CHAINS MADE OF IRON AND STEEL. THE CARROLL CHAIN COMPANY, Columbus, Ohio.
Filed June 24, 1925. Serial No. 216,321. PUBLISHED SEPTEMBER 1, 1925.

205,851. LYE. WM. SCHIELD MFG. CO., St. Louis, Mo.
Filed June 25, 1925. Serial No. 216,433. PUBLISHED SEPTEMBER 1, 1925.

205,852. LYE. WM. SCHIELD MFG. CO., St. Louis, Mo.
Filed June 25, 1925. Serial No. 216,434. PUBLISHED SEPTEMBER 1, 1925.

205,853. WOMEN'S HOSIERY. SOCIETY MAID HOSIERY COMPANY, INC., New York, N. Y.
Filed June 25, 1925. Serial No. 216,439. PUBLISHED SEPTEMBER 1, 1925.

205,854. SCREW ANCHORS. U. S. EXPANSION BOLT CO., New York, N. Y.
Filed June 25, 1925. Serial No. 216,443. PUBLISHED SEPTEMBER 1, 1925.

205,855. CELLULOID AND WIRE HAIRPINS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 27, 1925. Serial No. 216,520. PUBLISHED SEPTEMBER 1, 1925.

205,856. COTTON, LINEN, AND SILK HANDKERCHIEFS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 27, 1925. Serial No. 216,524. PUBLISHED SEPTEMBER 1, 1925.

205,857. HOSIERY. THE BEEBE-HOWES CO., New York, N. Y.
Filed June 20, 1925. Serial No. 216,579. PUBLISHED SEPTEMBER 1, 1925.

205,858. EYEBROW SHAPER. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed June 29, 1925. Serial No. 216,611. PUBLISHED SEPTEMBER 1, 1925.

205,859. EYE LOTION. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed June 29, 1925. Serial No. 216,612. PUBLISHED SEPTEMBER 1, 1925.

205,860. SKIN LOTION. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed June 29, 1925. Serial No. 216,613. PUBLISHED SEPTEMBER 1, 1925.

205,861. SKIN LOTION. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed June 29, 1925. Serial No. 216,614. PUBLISHED SEPTEMBER 1, 1925.

205,862. NAINSOOK ATHLETIC UNDERWEAR IN ONE AND TWO PIECE GARMENTS FOR MEN, WOMEN, AND CHILDREN. NAVICLOTH UNDERWEAR CORPORATION, Grand Rapids, Mich.
Filed June 29, 1925. Serial No. 216,621. PUBLISHED SEPTEMBER 1, 1925.

205,863. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed April 30, 1925. Serial No. 213,558. PUBLISHED JULY 28, 1925.

205,864. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed April 30, 1925. Serial No. 213,559. PUBLISHED JULY 28, 1925.

205,865. DRESSES, GOWNS, MISSES' AND WOMEN'S SUITS AND COATS. MARION STEHLIK, New York, N. Y.
Filed May 1, 1925. Serial No. 213,673. PUBLISHED SEPTEMBER 1, 1925.

205,866. PREPARED FISH BAIT. JOHN W. DAVIS, Dunlap, Kans.
Filed May 4, 1925. Serial No. 213,773. PUBLISHED SEPTEMBER 1, 1925.

205,867. PROTECTIVE DEVICES AND ARTICLES FOR AUTOMOBILES—VIZ. FORD AND STANDARD CAR TOP-COVERING OUTFITS, SEAT COVERS, FORD AND STANDARD CAR BACK CURTAINS, SLIP COVERS, FORD AND STANDARD CAR WINTER INCLOSURES, BAGS FOR AUTOMOBILE INNER TUBES, FORD AND CHEVROLET SIDE CURTAINS, ANTIDRAFT SHIELDS TO BE ATTACHED TO THE FRONT OF THE TOP OF THE CAR AND WIND SHIELD, ETC. PROTECTION PRODUCTS CO., Chicago, Ill.
Filed May 4, 1925. Serial No. 213,802. PUBLISHED AUGUST 18, 1925.

205,868. COUGH DROPS AND TABLETS FOR INDIGESTION, HEADACHE, CONSTIPATION, AND BILIOUSNESS. LIFE SAVERS, INC., Port Chester, N. Y.
Filed May 6, 1925. Serial No. 213,907. PUBLISHED SEPTEMBER 1, 1925.

205,869. REENFORCED BINDINGS. SYLVESTER H. LAURY, Carlisle, Pa.
Filed May 8, 1925. Serial No. 214,022. PUBLISHED AUGUST 25, 1925.

205,870. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed May 11, 1925. Serial No. 214,134. PUBLISHED JULY 28, 1925.



205,871. CERTAIN CURTAINS AND DRAPERIES. F. E. BERG, Chicago, Ill.
Filed May 14, 1925. Serial No. 214,310. PUBLISHED SEPTEMBER 1, 1925.

205,872. COMPOSITION FOR USE IN THE TREATMENT OF PYORRHEA AND TO HARDEN THE GUMS. FRANK LALLY, St. Louis, Mo.
Filed May 15, 1925. Serial No. 214,369. PUBLISHED AUGUST 25, 1925.

205,873. MALT EXTRACT. LIFE SAVERS, INC., Port Chester, N. Y.
Filed April 30, 1925. Serial No. 214,451. PUBLISHED SEPTEMBER 1, 1925.

205,874. PREPARATION FOR USE ON THE HUMAN DEAD FOR PREVENTING RAZOR BURNS, PROTECTING THE SKIN AGAINST DEHYDRATION, AND AS A BASIS FOR PRODUCING A SOFT VELVETY APPEARANCE. THE UNDERTAKERS' SUPPLY COMPANY, Chicago, Ill.
Filed May 18, 1925. Serial No. 214,519. PUBLISHED AUGUST 11, 1925.

205,875. DIAMOND RINGS. WEXLER BROTHERS, Chicago, Ill.
Filed May 18, 1925. Serial No. 214,523. PUBLISHED AUGUST 25, 1925.

205,876. CALCULATING MACHINES. H. W. EGLI S. A., Zurich, Switzerland.
Filed May 21, 1925. Serial No. 214,651. PUBLISHED SEPTEMBER 1, 1925.

205,877. BRAIDS, ELASTIC CORDS, LOOP ELASTICS, TAPES, SHOE LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, ELASTIC BRAIDS, AND GALLOONS, ALL OF WHICH ARE MADE OF LINEN, COTTON, SILK, OR WORSTED. BUDLONG MANUFACTURING COMPANY, Auburn, R. I.
Filed May 22, 1925. Serial No. 214,706. PUBLISHED AUGUST 25, 1925.

205,878. PNEUMATIC-TIRE CASINGS AND TUBES. THE INTERNATIONAL RUBBER COMPANY OF AMERICA, Anderson, Ind.
Filed May 25, 1925. Serial No. 214,870. PUBLISHED AUGUST 25, 1925.

205,879. HOSIERY. KLEIN-NORTON CO., Los Angeles, Calif.
Filed May 25, 1925. Serial No. 214,872. PUBLISHED SEPTEMBER 1, 1925.

205,880. CELERY DRINK, A NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. H. KIRSCH & CO., Brooklyn, N. Y.
Filed May 28, 1925. Serial No. 215,013. PUBLISHED SEPTEMBER 1, 1925.

205,881. A KNITTED COMBINATION SPORT GARMENT WHICH CAN BE USED AS EITHER COAT, SHIRT, OR SWEATER, ALL FOR MEN, WOMEN, AND CHILDREN. COLUMBIA KNITTING MILLS, Portland, Oreg.
Filed May 29, 1925. Serial No. 215,055. PUBLISHED SEPTEMBER 1, 1925.

205,882. KNITTED OUTER SHIRTS, COATS, AND SWEATERS. GOTHAM KNITTING MILLS, New York, N. Y.
Filed May 29, 1925. Serial No. 215,066. PUBLISHED SEPTEMBER 1, 1925.

205,883. CHOCOLATES AND BONBONS. AMMON E. CRAMER, doing business as Barbara Fritchie Chocolate Shop, Frederick, Md.
Filed September 13, 1923. Serial No. 185,746. PUBLISHED DECEMBER 2, 1924.

205,884. CHOCOLATE CANDIES, MINT CANDIES, CHOCOLATE-COVERED CREAM CHERRIES, CHOCOLATE-COVERED CREAM PEPPERMINTS, ORANGE AND LEMON CANDIES. POWELL'S, New York, N. Y.
Filed August 18, 1924. Serial No. 201,576. PUBLISHED SEPTEMBER 1, 1925.

205,885. CHOCOLATE-COVERED RAISINS AND CANDY. D. B. ERMINGER, Chicago, Ill.
Filed January 28, 1924. Serial No. 191,374. PUBLISHED MARCH 11, 1924.

205,886. CANNED TOMATOES. TILLMAN & BENDEL, INC., San Francisco, Calif.
Filed February 21, 1925. Serial No. 210,024. PUBLISHED JUNE 2, 1925.

205,887. CANNED SARDINES. JOHNSON'S BAY CANNING COMPANY, Lubec, Me.
Filed December 26, 1924. Serial No. 207,245. PUBLISHED FEBRUARY 10, 1925.

205,888. CAKE. GENERAL BAKING COMPANY, New York, N. Y.
Filed December 19, 1924. Serial No. 206,955. PUBLISHED SEPTEMBER 1, 1925.

205,889. CANDY—NAMELY, MOLASSES CANDY AND PECAN PRALINES. VAN ANTWERP'S DRUG CORPORATION, INC., Mobile, Ala.
Filed December 17, 1924. Serial No. 206,866. PUBLISHED SEPTEMBER 1, 1925.

205,890. CANNED VEGETABLES. TWIN PEAKS CANNING CO., Salt Lake City, Utah.
Filed October 6, 1924. Serial No. 203,495. PUBLISHED DECEMBER 30, 1924.

205,891. WALL PAPER. THE ROBERT GRIFFIN COMPANY, Jersey City, N. J.
Filed July 17, 1925. Serial No. 217,511. PUBLISHED SEPTEMBER 1, 1925.

205,892. LEGAL FORMS. J. B. CURRY & SONS, Mount Vernon, Ala.
Filed July 17, 1925. Serial No. 217,505. PUBLISHED SEPTEMBER 15, 1925.

205,893. WRITING PAPER AND MAILING ENVELOPES. Z. & W. M. CRANE, INC., Dalton, Mass.
Filed July 16, 1925. Serial No. 217,452. PUBLISHED SEPTEMBER 1, 1925.

205,894. WAX, WRITING, AND PRINTING PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed July 10, 1925. Serial No. 217,155. PUBLISHED SEPTEMBER 1, 1925.

205,895. RAISIN-TRAY PAPER. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif.
Filed July 10, 1925. Serial No. 217,135. PUBLISHED SEPTEMBER 1, 1925.

205,896. DIARIES. THE STANDARD DIARY COMPANY, Cambridge, Mass.
Filed July 8, 1925. Serial No. 217,053. PUBLISHED SEPTEMBER 1, 1925.

205,897. PIECE GOODS MADE OF SILK, WOOL, AND COTTON. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed July 1, 1925. Serial No. 216,720. PUBLISHED SEPTEMBER 8, 1925.

205,898. BILL FOLDS, CHECK BOOKS, AND TOURISTS' PORTFOLIOS. THE NATIONAL PLEASURE TOURS INC., New York, N. Y.
Filed June 20, 1925. Serial No. 216,112. PUBLISHED SEPTEMBER 8, 1925.

205,899. TOILET PAPER. STEVENS & THOMPSON PAPER CO., New York, N. Y.
Filed June 17, 1925. Serial No. 215,949. PUBLISHED SEPTEMBER 1, 1925.

205,900. WRITING PAPER AND MAILING ENVELOPES. STRATHMORE PAPER COMPANY, Mittineague, Mass.
Filed June 15, 1925. Serial No. 215,830. PUBLISHED SEPTEMBER 8, 1925.

205,901. LOOSE-LEAF BINDERS. EDWARD ABERLE, Nutley, N. J.
Filed July 6, 1925. Serial No. 216,861. PUBLISHED SEPTEMBER 8, 1925.

205,902. BRISTOL BOARD. STRATHMORE PAPER COMPANY, Mittineague, Mass.
Filed June 15, 1925. Serial No. 215,829. PUBLISHED SEPTEMBER 1, 1925.

205,903. YOUTHS' AND BOYS' OVERALLS, DRESS, NEGLIGEE, AND WORK SHIRTS; CHILDREN'S PLAY SUITS, AND ONE-PIECE WORK GARMENTS KNOWN AS GARAGE SUITS. STUART, KEITH & CO. INC., Baltimore, Md.
Filed June 13, 1925. Serial No. 215,762. PUBLISHED SEPTEMBER 8, 1925.

205,904. BOND PAPER. NEENAH PAPER CO., Neenah, Wis.
Filed June 11, 1925. Serial No. 215,648. PUBLISHED SEPTEMBER 1, 1925.

205,905. TEXTILE BINDING STRIPS OR RIBBONS. FREYDBERG BROS., INC., New York, N. Y.
Filed June 6, 1925. Serial No. 215,408. PUBLISHED SEPTEMBER 8, 1925.

205,906. HIDES, SKINS, AND PIECES OF FUR. B. POMERANZ & SON., New York, N. Y.
Filed June 17, 1925. Serial No. 215,944. PUBLISHED AUGUST 25, 1925.

205,907. CANDY. GORDON-RAINALTER COMPANY, Omaha, Nebr.
Filed June 17, 1925. Serial No. 215,911. PUBLISHED SEPTEMBER 1, 1925.

205,908. CANNED FISH. T. SLADE GORTON & CO., New York, N. Y.
Filed June 16, 1925. Serial No. 215,855. PUBLISHED SEPTEMBER 8, 1925.

205,909. CANNED SALMON. HETTA PACKING COMPANY, Sulzer, Alaska.
Filed June 15, 1925. Serial No. 215,788. PUBLISHED AUGUST 11, 1925.

205,910. SEED AND TABLE POTATOES IN THEIR NATURAL STATE. LEONARD, CROSSET & RILEY, Moorehead, Minn.
Filed June 12, 1925. Serial No. 215,696. PUBLISHED SEPTEMBER 1, 1925.

205,911. MEN'S AND CHILDREN'S SUITS. THE COMER MANUFACTURING CO., Dayton, Ohio.
Filed May 22, 1925. Serial No. 214,710. PUBLISHED AUGUST 18, 1925.

205,912. CANDY. ELBER CHOCOLATE CO., INC., Brooklyn, N. Y.
Filed May 19, 1925. Serial No. 214,538. PUBLISHED SEPTEMBER 1, 1925.

205,913. CANNED SARDINES. AFRICAN & EASTERN TRADING CO. INCORPORATED, New York, N. Y.
Filed May 7, 1925. Serial No. 213,944. PUBLISHED SEPTEMBER 1, 1925.

205,914. TAFFY AND BONBONS. AUGUST RUHR, Jersey City, N. J.
Filed April 23, 1925. Serial No. 213,194. PUBLISHED SEPTEMBER 1, 1925.

205,915. CANDIED POP CORN. CARL R. OSBORN, Colorado Springs, Colo.
Filed April 23, 1925. Serial No. 213,188. PUBLISHED SEPTEMBER 1, 1925.

205,916. HAMS, BACON, SAUSAGES, LARD, AND LARD SUBSTITUTE—NAMELY, PURE VEGETABLE SHORTENING. T. L. LAY PACKING COMPANY, INC., Knoxville, Tenn.
Filed March 26, 1925. Serial No. 211,687. PUBLISHED SEPTEMBER 1, 1925.

205,917. HAMS, CALI HAMS, BACON, LAMB, BEEF, PORK, VEAL, MEAT LOAF, COOKED AND UNCOOKED SAUSAGES, AND LARD. EDWARD T. DANAHY CO., INC., Buffalo, N. Y.
Filed March 3, 1925. Serial No. 210,448. PUBLISHED MAY 5, 1925.

205,918. TWINE, ROPE, STRING, AND CORDAGE. SCHERMERHORN BROS. CO., Chicago, Ill.
Filed July 23, 1925. Serial No. 217,800. PUBLISHED SEPTEMBER 8, 1925.

205,919. TOILET PAPER, PAPER NAPKINS, PAPER TOWELS. BLAKE, MOFFITT & TOWNE, San Francisco, Calif.
Filed April 20, 1925. Serial No. 212,992. PUBLISHED SEPTEMBER 1, 1925.

205,920. SEWING THREADS. INSULATING MATERIALS COMPANY, Detroit, Mich.
Filed May 15, 1925. Serial No. 214,362. PUBLISHED SEPTEMBER 8, 1925.

205,921. CIGARETTE PAPERS. GLATRON, BASCHET ET CIE., Paris, France.
Filed May 15, 1925. Serial No. 214,356. PUBLISHED SEPTEMBER 8, 1925.

205,922. ADHESIVE PREPARATION MADE TO FACILITATE THE COUNTING OF CURRENCY, LISTING CHECKS, AND DOING GENERAL FILING WORK. TELLERS' DELIGHT COMPANY, Lafayette, La.
Filed May 11, 1925. Serial No. 214,189. PUBLISHED SEPTEMBER 8, 1925.

205,923. LADIES' HAND BAGS. CHIC BAG CO., New York, N. Y.
Filed May 5, 1925. Serial No. 213,831. PUBLISHED SEPTEMBER 8, 1925.

205,924. FOUNTAIN PENS, PENCILS, PEN BARRELS, INKSTANDS, LETTER TRAYS, PAPER WEIGHTS, LOOSE-LEAF BINDERS, RULES, RUBBER-STAMP HANDLES, CALENDAR STANDS, LETTER OPENERS, PAPER CUTTERS, PENHOLDERS, AND PEN TRAYS. BAKELITE CORPORATION, New York, N. Y.
Filed April 11, 1925. Serial No. 212,525. PUBLISHED SEPTEMBER 1, 1925.

205,925. PAPER NAPKINS. THE PAPER NOVELTY COMPANY, Green Bay, Wis.
Filed April 2, 1925. Serial No. 212,100. PUBLISHED SEPTEMBER 1, 1925.

205,926. PAPER NAPKINS. THE PAPER NOVELTY COMPANY, Green Bay, Wis.
Filed April 2, 1925. Serial No. 212,099. PUBLISHED SEPTEMBER 1, 1925.

205,927. THREAD. THE ELMORE COMPANY, doing business as The Elmore Thread Company, Spindale, N. C.
Filed April 2, 1925. Serial No. 212,065. PUBLISHED SEPTEMBER 8, 1925.

205,928. COTTON PIECE GOODS. RICHARD HAWORTH AND COMPANY, LIMITED, Manchester, England.
Filed March 30, 1925. Serial No. 211,847. PUBLISHED SEPTEMBER 8, 1925.

205,929. WRAPPERS. L. A. LIBBS CO., INC., New York, N. Y., and Newark, N. J.
Filed March 26, 1925. Serial No. 211,689. PUBLISHED SEPTEMBER 15, 1925.

205,930. ARTICLES OF STATIONERY HARDWARE—NAMELY, PAPER CLIPS, LETTER CLIPS, FILE SIGNALS, AND INDEX TABS. THE H. C. COOK COMPANY, Ansonia, Conn.
Filed March 26, 1925. Serial No. 211,667. PUBLISHED SEPTEMBER 1, 1925.

205,931. ARTICLES OF STATIONERY HARDWARE—NAMELY, PAPER CLIPS, LETTER CLIPS, FILE SIGNALS, AND INDEX TABS. THE H. C. COOK COMPANY, Ansonia, Conn.
Filed March 26, 1925. Serial No. 211,666. PUBLISHED SEPTEMBER 1, 1925.

205,932. ACCOUNT FORMS, BOOKKEEPING BLANKS, COUNTER CHECK BOOKS, ORDER BOOKS, RESTAURANT FORMS, AND OTHER MANIFOLDING FORMS AND BOOKS. THE APPLEFORD COUNTER CHECK BOOK CO., LIMITED, Hamilton, Ontario, Canada.
Filed March 19, 1925. Serial No. 211,247. PUBLISHED SEPTEMBER 8, 1925.



205,933. LOOSE-LEAF BINDERS, LOOSE-LEAF-BINDER SHEETS, LOOSE-LEAF RECORDS, PARTIALLY PRINTED FORMS, INSTRUCTION BLANKS, BLANK BOOKS, AND BOOKS AND SHEETS OF A BLANK NATURE USED FOR KEEPING HOUSEHOLD AND PERSONAL INVENTORY, INSURANCE RECORDS, AND EXPENSE ACCOUNTS. AUGUST ROSENBERG, doing business as August Rosenberg Agency, New York, N. Y.
Filed February 26, 1925. Serial No. 210,193. PUBLISHED SEPTEMBER 8, 1925.

205,934. CANDIES. JOSEPH S. AUERBACH, doing business as D. Auerbach & Sons, New York, N. Y.
Filed February 16, 1925. Serial No. 209,609. PUBLISHED MAY 5, 1925.

205,935. WHITE AND COLORED SULPHITE PAPERS TO BE USED FOR WRAPPING, WAX, CRÊPE, BAG, DOCUMENT, ENVELOPE, TAG, COATING, AND PRINTING PAPER FOR TYPEWRITER COPY-SHEETS, PAPER FOR DRINKING CUPS, FRUIT WRAPS, TWISTING PAPER USED IN THE MANUFACTURE OF PAPER TWINES, IMITATION-REED FURNITURE, RUGS AND CARPETS, AND CONVERTING PAPER TO BE USED IN THE MANUFACTURE OF WAX WRAPPERS. PORT HURON SULPHITE & PAPER CO., Port Huron, Mich.
Filed January 8, 1925. Serial No. 207,825. PUBLISHED SEPTEMBER 15, 1925.

205,936. ENAMELED BOOK PAPER. SEAMAN PAPER COMPANY, Chicago, Ill.
Filed December 4, 1924. Serial No. 206,259. PUBLISHED AUGUST 25, 1925.

205,937. LACES AND HAIR NETS. FRENCH MERCHANDISE COMPANY, INC., New York, N. Y.
Filed July 28, 1924. Serial No. 200,618. PUBLISHED SEPTEMBER 8, 1925.

205,938. CANDY. GEORGE C. MILLER & CO., INC., Boston, Mass.
Filed July 26, 1924. Serial No. 200,571. PUBLISHED SEPTEMBER 1, 1925.

205,939. SUGAR-CURED HAMS, SUGAR-CURED BACON, SUGAR-CURED SHOULDERS, SUGAR-CURED CALA, AND SAUSAGE. CHARLES A. FREUND, doing business as C. A. Freund Packing Co., Cincinnati, Ohio.
Filed February 20, 1924. Serial No. 192,569. PUBLISHED SEPTEMBER 1, 1925.

205,940. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. HIGHLAND EXCHANGE ASSOCIATION, Highland, Calif.
Filed July 23, 1925. Serial No. 217,781. PUBLISHED SEPTEMBER 1, 1925.

205,941. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. HIGHLAND FRUIT GROWERS ASSOCIATION, Highland, Calif.
Filed July 23, 1925. Serial No. 217,777. PUBLISHED SEPTEMBER 1, 1925.

205,942. CANDY AND CANDY BARS. PETER SISCO CO., Chicago, Ill.
Filed July 22, 1925. Serial No. 217,738. PUBLISHED SEPTEMBER 1, 1925.

205,943. COFFEE. CUPP GROCERY COMPANY, Johnstown, Pa.
Filed July 21, 1925. Serial No. 217,670. PUBLISHED SEPTEMBER 1, 1925.

205,944. CANDY. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa.
Filed July 20, 1925. Serial No. 217,650. PUBLISHED SEPTEMBER 1, 1925.

205,945. FRESH CITROUS FRUITS: ORANGES, LEMONS, GRAPEFRUIT. THE IRVINE CITRUS ASSOCIATION, Tustin, Calif.
Filed July 18, 1925. Serial No. 217,562. PUBLISHED SEPTEMBER 1, 1925.

205,946. FRESH GRAPES. A. A. BEZZERIDES, Minkler, Calif.
Filed July 17, 1925. Serial No. 217,497. PUBLISHED SEPTEMBER 1, 1925.

205,947. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. WALNUT FRUIT GROWERS ASSOCIATION, Walnut, Calif.
Filed July 15, 1925. Serial No. 217,435. PUBLISHED SEPTEMBER 1, 1925.

205,948. COFFEE. CURTIS W. MERRILL COMPANY, INC., Syracuse, N. Y.
Filed July 15, 1925. Serial No. 217,409. PUBLISHED SEPTEMBER 1, 1925.

205,949. CANDY. VAN ENGERS, INC., Chicago, Ill.
Filed July 14, 1925. Serial No. 217,375. PUBLISHED SEPTEMBER 1, 1925.

205,950. CHEWING GUM. THE SHELBY GUM CO., Shelby, Ohio.
Filed July 14, 1925. Serial No. 217,368. PUBLISHED SEPTEMBER 1, 1925.

205,951. FRESH CITROUS FRUITS—NAMELY, LEMONS, ORANGES, GRAPEFRUIT. CENTRAL LEMON ASSOCIATION, Villa Park, Calif.
Filed July 6, 1925. Serial No. 216,881. PUBLISHED SEPTEMBER 1, 1925.

205,952. FRESH CITROUS FRUITS—NAMELY, LEMONS, ORANGES, GRAPEFRUIT. CENTRAL LEMON ASSOCIATION, Villa Park, Calif.
Filed July 6, 1925. Serial No. 216,880. PUBLISHED SEPTEMBER 1, 1925.

205,953. HAM, BACON, BOILED HAM, BAKED HAM, COTTAGE HAMS, WIENERS; KNOCKS, MORE COMMONLY KNOWN AS KNOCKWURST, A FORM OF WIENERS; BOLOGNA, MINCED HAM, PRESSED HAM, HAM LOAF, MEAT LOAF, LIVER PUDDINGS, HEADCHEESE, BLOOD PUDDING, LEONA SAUSAGE, POLISH SAUSAGE, AND FANCY ROLL COMPOSED OF BEEF AND PORK IN PARAFFINED MUSLIN SACKS. THE STARK PROVISION CO., Canton, Ohio.
Filed June 29, 1925. Serial No. 216,645. PUBLISHED SEPTEMBER 1, 1925.

205,954. CANDY. J. VINIKOW, doing business as Parisian Chocolate Co., Seattle, Wash.
Filed June 27, 1925. Serial No. 216,572. PUBLISHED SEPTEMBER 1, 1925.

205,955. FRESH GRAPES. PINKHAM HOLDINGS CO., Los Angeles, Calif.
Filed June 22, 1925. Serial No. 216,210. PUBLISHED SEPTEMBER 1, 1925.

205,956. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. COVINA CITRUS ASSOCIATION, Covina, Calif.
Filed June 22, 1925. Serial No. 216,152. PUBLISHED SEPTEMBER 1, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

205,957. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. Aron & Company, Inc., New York, N. Y. Filed Aug. 29, 1925. Serial No. 219,514.

DUDLEY

*Particular description of goods.*—Coffee.
*Claims use* since July 1, 1920.

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205,958. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) Raymond T. Cloyes, doing business as Cloyes Gear works, Cleveland, Ohio. Filed Aug. 26, 1925. Serial No. 219,380.

"CLOYES"

*Particular description of goods.*—Engine Timing Gears.
*Claims use* since June, 1921.

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205,959. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) The Morris Manufacturing Co., El Reno, Okla. Filed Aug. 19, 1925. Serial No. 219,081.

SAFETY HATCH

*Particular description of goods.*—Incubators.
*Claims use* since 1910.

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205,960. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Beatrice Creamery Company, Chicago, Ill. Filed July 10, 1925. Serial No. 217,130.

Richelieu

*Particular description of goods.*—Butter.
*Claims use* since Oct. 24, 1902.

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205,961. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. A. Rex, Los Angeles, Calif. Filed July 8, 1925. Serial No. 217,050.

palermo

*Particular description of goods.*—Canned Fish—Namely, Tuna.
*Claims use* since Sept. 30, 1924.



205,962. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. B. Johnson, Birmingham, Ala. Filed June 2, 1925. Serial No. 215,210.

MRS. JACK'S
SOUTHERN BEATEN BISCUIT

*Particular description of goods.*—Biscuits.
*Claims use* since Jan. 1, 1915.

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205,963. (CLASS 12. CONSTRUCTION MATERIALS.) American Asphalt Roof Corporation, Kansas City, Mo. Filed Apr. 27, 1925. Serial No. 213,851.

Greenstone

*Particular description of goods.*—Roofing in Sheets, Rolls, and Shingles of Asphalt Composition.
*Claims use* since Sept. 1, 1920.

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205,964. (CLASS 12. CONSTRUCTION MATERIALS.) American Asphalt Roof Corporation, Kansas, City, Mo. Filed Apr. 27, 1925. Serial No. 213,849.

SILVERSTONE

*Particular description of goods.*—Roofing in Sheets, Rolls, and Shingles of Asphalt Composition.
*Claims use* since Sept. 1, 1920.

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205,965. (CLASS 37. PAPER AND STATIONERY.) The Fox Paper Company, Lockland, Ohio. Filed Apr. 15, 1925. Serial No. 212,722.

*Particular description of goods.*—Unbleached and Bleached Sulphate Wrapping Paper.
*Claims use* since Jan. 1, 1910.

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205,966. (CLASS 12. CONSTRUCTION MATERIALS.) Armstrong Cork & Insulation Company, Pittsburgh, Pa. Filed Apr. 10, 1925. Serial No. 212,471.

Armstrong's

*Particular description of goods.*—Mastic Finish for Heat-Insulating Material.
*Claims use* since July 28, 1923.



205,967. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Don B. Whelan, doing business as The Whelan Chemical Company, Lincoln, Nebr. Filed Mar. 19, 1925. Serial No. 211,313.

*Particular description of goods.*—Insecticides.
*Claims use* since January, 1920.

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205,968. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Van Antwerp's Drug Corporation, Inc., Mobile, Ala. Filed Dec. 17, 1924. Serial No. 206,868.

Candies of Good Taste

*Particular description of goods.*—Candy.
*Claims use* since May, 1924.

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205,969. (CLASS 39. CLOTHING.) The Wolf Company, New York, N. Y. Filed Sept. 9, 1924. Serial No. 202,429.

SEMIMADE

*Particular description of goods.*—Women's, Misses', and Children's Underwear of Textile Fabric, Dresses, Blouses, Over and Under Skirts, Nightdresses, Pyjamas, Bloomers, Vests, Chemises, and Corset Covers.
*Claims use* since Aug. 1, 1924.

205,970. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) Steinfeld Bros., New York, N. Y. Filed July 2, 1921. Serial No. 149,982.

Steinfeld

*Particular description of goods.*—Bicycles, Gocarts, and Baby Carriages.
*Claims use* since prior to Jan. 1, 1906.

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205,971. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) Samuel S. Rosen, New York, N. Y. Filed July 30, 1924. Serial No. 200,732.

RATGLU
TRADE MARK
CATCHES RATS & MICE
REG APPLIED FOR

*Particular description of goods.*—Rodent Exterminators in the Form of Permanently Sticky Adhesive for Catching Rats, Mice, Etc.
*Claims use* since about July 29, 1924.

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205,972. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) Samuel S. Rosen, New York, N. Y. Filed July 30, 1924. Serial No. 200,731.

RATKLOTH
TRADE MARK
CATCHES RATS & MICE
REG. APPLIED FOR

*Particular description of goods.*—Rodent Exterminators in the Form of Permanently Sticky Adhesive for Catching Rats, Mice, Etc.
*Claims use* since about July 29, 1924.

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205,973. (CLASS 37. PAPER AND STATIONERY.) Walter J. Ellis, doing business as The Ellis Press, New York, N. Y. Filed May 27, 1924. Serial No. 197,660.

The Ellis Press

*Particular description of goods.*—Desk Calendars, Letterheads, Writing Paper, and Mailing Envelopes.
*Claims use* since Feb. 2, 1922.

205,974. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MORRIS FELDSTEIN & SON, New York, N. Y. Filed Sept. 24, 1925. Serial No. 220,711.

BRIGHTON TURN OAK

*Particular description of goods.*—Sole Leather.
*Claims use* since June, 1924.

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205,975. (CLASS 39. CLOTHING.) M. C. KELLY COMPANY, Minneapolis, Minn. Filed Sept. 16, 1925. Serial No. 220,306.

KELLY'S PULL-PROOF KRAVATS-SATISFY

*Particular description of goods.*—Neckties.
*Claims use* since on or about Dec. 1, 1923.

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205,976. (CLASS 39. CLOTHING.) THEODORE TRIVERS, New York. N. Y. Filed Sept. 14, 1825. Serial No. 220,263.

FIELD'S

*Particular description of goods.*—Topcoats, Overcoats, Men's Suits, Boys' Suits, Raincoats, Trousers, Vests, Cutaway, Full-dress, and Tuxedo Suits.
*Claims use* since Aug. 1, 1924.

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205,977. (CLASS 39. CLOTHING.) THEODORE TRIVERS, New York. N. Y. Filed Sept. 14, 1925. Serial No. 220,262.

FIELD'S
Clothes for Men
$22.50
no more no less

*Particular description of goods.*—Topcoats, Overcoats, Men's Suits, Boys' Suits, Raincoats, Trousers, Vests, Cutaway, Full-dress, and Tuxedo Suits.
*Claims use* since Aug. 1, 1924.

205,978. (CLASS 39. CLOTHING.) NEW PROCESS COMPANY, Warren, Pa. Filed Aug. 28, 1925. Serial No. 219,491.

"Any Weather"

*Particular description of goods.*—Topcoats.
*Claims use* since Aug. 26, 1924.

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205,979. (CLASS 39. CLOTHING.) THE LEON GODCHAUX CLOTHING CO., LTD., New Orleans, La. Filed Aug. 6, 1925. Serial No. 218,480.

Godchaux's

*Particular description of goods.*—Men's, Boys', Girls', Women's, and Children's Coats, Overcoats, Suits; Dress, Negligee, and Work Shirts; Shoes of Leather, Rubber, Fabric, or Combinations Thereof; Dresses, Hats, Collars, Neckties, Cravats, Mufflers, Underwear of Knitted or Textile Fabric, Sweaters, Hosiery, Belts for Personal Wear, and Garters.
*Claims use* since July 1, 1899.

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205,980. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GODCHAUX SUGARS, INC., New Orleans, La. Filed Aug. 6, 1925. Serial No. 218,479.

Godchaux's

*Particular description of goods.*—Sugar.
*Claims use* since Jan. 1, 1924.

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205,981. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JAMES GRAHAM MANUFACTURING CO., San Francisco., Calif. Filed Aug. 3, 1925. Serial No. 218,310.

CLOSED TOP

*Particular description of goods.*—Wedgewood Gas and Combination Gas and Coal Ranges.
*Claims use* since Sept. 25, 1924.



205,982. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CHARLES BOND COMPANY, Philadelphia, Pa. Filed May 9, 1925. Serial No. 214,057.

SUPER ROYAL

*Particular description of goods.*—Calfskins and Sheepskins.
*Claims use* since September, 1924.

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205,983. (CLASS 39. CLOTHING.) HERMAN R. SAGON, San Francisco, Calif. Filed June 10, 1925. Serial No. 215,594.

SAGON BRAND

*Particular description of goods.*—Wool and Cotton Dress, Negligee, and Work Shirts, and Wool, Cotton, and Silk and Mixtures of Wool, Cotton, and Silk Hose.
*Claims use* since May, 1920.

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205,984. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) VIRGINIA-CAROLINA RUBBER COMPANY, INCORPORATED, Richmond, Va. Filed Mar. 13, 1925. Serial No. 210,988.

PIASTER

*Particular description of goods.*—Tire Patches.
*Claims use* since Sept. 28, 1922.

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205,985. (CLASS 39. CLOTHING.) JOSEPH H. COHEN & SONS, VANITY CLOTHES INC., New York, N. Y. Filed Feb. 16, 1925. Serial No. 209,618.

HARLEY TRIM

*Particular description of goods.*—Clothing for Men—Namely, Suits, Overcoats, Tuxedos, Full-Dress Suits, Trousers, and Sport Coats and Sport Knickers.
*Claims use* since January, 1923.

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205,986. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CECIL R. BARBEE, doing business as London Dry, Ltd., Los Angeles, Calif. Filed Dec. 24, 1924. Serial No. 207,169.

LONDON DRY

*Particular description of goods.*—Ginger Ale.
*Claims use* since Oct. 1, 1924.

205,987. (CLASS 39. CLOTHING.) JOHN WANAMAKER, PHILADELPHIA, Philadelphia, Pa. Filed Dec. 8, 1924. Serial No. 206,457.

Herford

*Particular description of goods.*—Athletic and Sports Clothing—Namely, Caps, Coats, Vests, for Men, Women, and Children; Trousers, Outer Dress and Negligee Shirts, Slickers, and Stockings.
*Claims use* since Sept. 19, 1924.

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205,988. (CLASS 39. CLOTHING.) JOHN WANAMAKER, PHILADELPHIA, Philadelphia, Pa. Filed Dec. 8, 1924. Serial No. 206,456.

SURREY

*Particular description of goods.*—Athletic and Sports Clothing—Namely, Caps, Coats, Vests, for Men, Women, and Children; Outer Dress and Negligee Shirts, Slickers, and Stockings.
*Claims use* since Sept. 19, 1924.

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205,989. (CLASS 39. CLOTHING.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Dec. 8, 1924. Serial No. 206,453.

REIGATE

*Particular description of goods.*—Athletic and Sports Clothing—Namely, Caps, Coats, Vests, for Men, Women, and Children; Outer Dress and Negligee Shirts, Slickers, and Stockings.
*Claims use* since Sept. 19, 1924.

205,990. (CLASS 39. CLOTHING.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Dec. 8, 1924. Serial No. 206,451.

WOLVERHAMPTON

*Particular description of goods.*—Athletic and Sports Clothing—Namely, Caps, Coats, Vests, for Men, Women, and Children; Outer Dress and Negligee Shirts, Slickers, and Stockings.
*Claims use* since Sept. 19, 1924.

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205,991. (CLASS 39. CLOTHING.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Dec. 8, 1924. Serial No. 206,450.

St. Albans

*Particular description of goods.*—Athletic and Sports Clothing—Namely, Caps, Coats, Vests, for Men, Women, and Children; Trousers, Outer Dress and Negligee Shirts, Slickers, and Stockings.
*Claims use* since Sept. 19, 1924.

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205,992. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & Co., New York, N. Y. Filed Dec. 2, 1924. Serial No. 206,135.

BEAUMONT

*Particular description of goods.*—Woolen Goods in the Piece and in Cut Lengths.
*Claims use* since Oct. 1, 1924.

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205,993. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & Co., New York, N. Y. Filed Dec. 2, 1924. Serial No. 206,134.

LYNDHURST

*Particular description of goods.*—Woolen Goods in the Piece and in Cut Lengths.
*Claims use* since Oct. 1, 1924.

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205,994. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & Co., New York, N. Y. Filed Dec. 2, 1924. Serial No. 206,133.

WELLINGTON

*Particular description of goods.*—Woolen Goods in the Piece and in Cut Lengths.
*Claims use* since Oct. 1, 1924.

205,995. (CLASS 37. PAPER AND STATIONERY.) FIELD-PARKER COMPANY, El Paso, Tex. Filed Aug. 21, 1924. Serial No. 201,702.

EASY-AUDIT-SLIP-FILE

*Particular description of goods.*—Filing Folders for Deposit, Sales, Credit, and the Like Slips.
*Claims use* since June 25, 1924.

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205,996. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) OLIVER H. WALTON, doing business as Charles Walton & Son, Needham, Mass. Filed Sept. 19, 1925. Serial No. 220,486.

"Walton Seamless"

*Particular description of goods.*—Seamless Elastic Hosiery.
*Claims use* since February, 1922.

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205,997. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) UNITED DRUG COMPANY, Boston, Mass. Filed Sept. 10, 1925. Serial No. 220,097.

"KANTLEEK"

*Particular description of goods.*—Invalid Cushions, Ice Caps, Bulb Syringes, Syringe Tubing Lengths, Fountain-Syringe Attachments, Combination Fountain Syringes and Water Bottles, Fountain Syringes, Water Bottles, Baby Water Bottles, Breast Pumps, Atomizers, Face Bottles, Ladies' Syringes, Infant Syringes, Ear and Ulcer Syringes.
*Claims use* since August, 1904.

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205,998. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BETTIE A. MITCHELL, Hartsville, Tenn. Filed Sept. 4, 1925. Serial No. 219,834.

WORLD'S BEST

*Particular description of goods.*—Healing Salve.
*Claims use* since Apr. 23, 1924.

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205,999. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACOB BRAUNSTEIN, doing business as Standard Home Supply Store, Akron, Ohio. Filed Sept. 4, 1925. Serial No. 219,800.

BRAUNSTEIN'S 100% PURE MALT EXTRACT

*Particular description of goods.*—Malt Extract for Food Purposes.
*Claims use* since August, 1922.



206,000. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORRIS A. DODSON, Washington, D. C. Filed Aug. 24, 1925. Serial No. 219,566.

ARLINGTON

*Particular description of goods.*—Embalming Chemicals.
*Claims use* since July 1, 1924.

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206,001. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) F. ARNOLD BEACH, doing business as The Lanno-Rub Chemical Company, Philadelphia, Pa. Filed Aug. 29, 1925. Serial No. 219,522.

Lanno-Rub

*Particular description of goods.*—Soothing, Cooling, and Healing Massage Cream.
*Claims use* since Aug. 3, 1924.

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206,002. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SWEET-ORR & Co., INC., Wappingers Falls and New York, N. Y. Filed Aug. 28, 1925. Serial No. 219,501.

Howe Loop

*Particular description of goods.*—Overall Suspender Loops.
*Claims use* since on or about Jan. 16, 1923.

206,003. (CLASS 15. OILS AND GREASES.) D-A LUBRICANT COMPANY, INC., Indianapolis, Ind. Filed Aug. 26, 1925. Serial No. 219,384.

DEPENDABLE ALWAYS D-A LUBRICANT

*Particular description of goods.*—Lubricating Greases.
*Claims use* since on or about June 2, 1919.

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206,004. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE HONEYWELL HEATING SPECIALTIES Co., Wabash, Ind. Filed July 25, 1925. Serial No. 217,878.

MASTER

*Particular description of goods.*—A Thermostatic Device for Controlling the Temperature and Pressure of Steam and Hot-Water Boilers.
*Claims use* since November, 1923.

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206,005. [WITHDRAWN.]

## TRADE-MARK REGISTRATIONS RENEWED

25,937. SOAP IN CAKES AND BARS. Registered January 29, 1895. C. E. MARSH & Co. Renewed January 29, 1925, to Charles E. Marsh, doing business as Charles E. Marsh & Co., Lynn, Mass.

26,570. A REMEDY FOR NERVOUS DISEASES. Registered May 21, 1895. PRUNIER ET CIE. Renewed May 21, 1925, to Prunier & Cie., Paris, France, a Joint Stock Company of France, successor.

26,879. RUBBER HOSE, BELTING, AND PACKING. Registered July 30, 1895. HOME RUBBER COMPANY, Trenton, N. J., a Corporation of New Jersey. Renewed July 30, 1925.

26,944. MALT COFFEE. Registered August 13, 1895. KATHREINER'S MALZKAFFEE-FABRIKEN MIT BESCHRÄNKTER HAFTUNG, Munich, Germany. Renewed August 13, 1925, to Kathreiners Malzkaffee-Fabriken Gesellschaft mit beschränkter Haftung, Berlin, Germany, a Corporation of Germany, assignee.

27,172. KNITTED UNDERWEAR. Registered November 5, 1895. SPRINGFIELD KNITTING Co., Springfield, Mass. Renewed November 5, 1925, to The William Carter Company, Needham Heights, Mass., a Corporation of Massachusetts, successor.

27,250. REMEDIES FOR ASTHMA, CATARRH, AND SIMILAR AFFECTIONS. Registered November 19, 1895. HIMROD MANUFACTURING COMPANY, New York, N. Y. Renewed November 19, 1925, to Himrod Manufacturing Company, Jersey City, N. J., a Corporation of Delaware, assignee.

27,383. COUGH DROPS, STICK CANDY, AND FRENCH MIXTURES. Registered December 3, 1895. JOHN F. BIRKMEYER & SONS, Baltimore, Md. Renewed December 3, 1925.

27,465. WRINGERS. Registered December 10, 1895. THE AMERICAN WRINGER COMPANY, Providence and Woonsocket, R. I.; New York and Auburn, N. Y.; and Erie, Pa. Renewed December 10, 1925, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

27,466. WRINGERS. Registered December 10, 1895. THE AMERICAN WRINGER COMPANY, Providence and Woonsocket, R. I.; New York and Auburn, N. Y.; and Erie, Pa. Renewed December 10, 1925, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

27,490. WRINGERS AND MANGLES. Registered December 17, 1895. THE AMERICAN WRINGER Co., Providence, R. I., and New York and Auburn, N. Y. Renewed December 17, 1925, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

27,544. ROLLS FOR WRINGERS. Registered December 24, 1895. THE AMERICAN WRINGER Co., Providence, R. I., and New York and Auburn, N. Y. Renewed December 24, 1925, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

27,605. CLOTHES WRINGERS. Registered January 7, 1896. THE AMERICAN WRINGER COMPANY, Providence and Woonsocket, R. I.; New York and Auburn, N. Y.; and Erie, Pa. Renewed January 7, 1926, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

27,706. PILLS. Registered January 28, 1896. W. T. HANSON COMPANY, Schenectady, N. Y., a Corporation of New York. Renewed January 28, 1926.

27,717. STAMPS, SEALS, DATERS, STENCILS, AND THE LIKE. Registered January 28, 1896. S. G. ADAMS STAMP & SEAL CO. Renewed January 28, 1926, to S. G. Adams Stamp and Stationery Company, St. Louis, Mo., a Corporation of Missouri.

27,729. PAPER AND ENVELOPES. Registered February 4, 1896. THE CENTRAL OHIO PAPER COMPANY, Columbus, Ohio, a Corporation of Ohio. Renewed February 4, 1926.

27,849. PAPER AND ENVELOPES. Registered February 25, 1896. AGAWAM PAPER COMPANY, Mittineague, Mass. Renewed February 25, 1926, to The Central Ohio Paper Co., Columbus, Ohio, a Corporation of Ohio, assignee.

44,505. CIGAR CUTTERS. Registered July 11, 1905. THE MILLER, DU BRUL & PETERS MFG. CO., Cincinnati, Ohio, a Corporation of Ohio. Renewed July 11, 1925.

44,534. COOKING RANGES AND HOT-AIR FURNACES AND PARTS THEREOF. Registered July 11, 1905. JANES & KIRTLAND. Renewed July 11, 1925, to Janes & Kirtland, Inc., New York, N. Y., a Corporation of New York.

45,265. A MEDICINAL PREPARATION IN THE FORM OF A MIXTURE USED AS AN ANTISEPTIC, GERMICIDE, AND HEALING AGENT. Registered August 8, 1905. HENRY HEIL CHEMICAL CO., St. Louis, Mo., a Corporation of Missouri. Renewed August 8, 1925.

45,286. REFRIGERATORS AND WATER COOLERS. Registered August 8, 1905. METAL STAMPING CO. Renewed August 8, 1925, to White Frost Refrigerator Co., Jackson, Mich., a Corporation of Michigan, successor.

45,345. CANNED VEGETABLES AND CANNED FRUITS. Registered August 15, 1905. H. C. BAXTER & BRO., Brunswick, Me. Renewed August 15, 1925.

45,561. WHEAT FLOUR. Registered August 22, 1905. CRESCENT MILL & ELEVATOR COMPANY. Renewed August 22, 1925, to The Colorado Milling & Elevator Co., Denver, Colo., a Corporation of Colorado, assignee.

45,717. ORGANS COMPRISING PNEUMATICALLY-CONTROLLED PLAYING MECHANISMS. Registered August 29, 1905. THE AEOLIAN COMPANY, New York, N. Y., a Corporation of Connecticut. Renewed August 29, 1925.

45,718. PNEUMATICALLY-CONTROLLED PLAYERS FOR KEYBOARD INSTRUMENTS. Registered August 29, 1905. THE AEOLIAN COMPANY, New York, N. Y., a Corporation of Connecticut. Renewed August 19, 1925.

45,719. ORGANS COMPRISING PNEUMATICALLY-CONTROLLED PLAYING MECHANISMS. Registered August 29, 1905. THE AEOLIAN COMPANY, New York, N. Y., a Corporation of Connecticut. Renewed August 29, 1925.

45,825. CROUP SPECIFIC. Registered August 29, 1905. CHAS. H. HUIEST. Renewed August 29, 1925, to Mohawk Drug and Chemical Company, Troy, N. Y., a Corporation of New York, assignee.

45,849. PERFORATED MUSIC ROLLS. Registered August 29, 1905. THE AEOLIAN COMPANY, New York, N. Y., a Corporation of Connecticut. Renewed August 29, 1925.

45,850. PERFORATED MUSIC ROLLS. Registered August 29, 1905. THE AEOLIAN COMPANY, New York, N. Y., a Corporation of Connecticut. Renewed August 29, 1925.

45,851. PIANO PLAYERS. Registered August 29, 1905. THE AEOLIAN COMPANY, New York, N. Y., a Corporation of Connecticut. Renewed August 29, 1925.

45,852. PIANOS COMPRISING PNEUMATICALLY-CONTROLLED PLAYING MECHANISMS. Registered August 29, 1905. THE AEOLIAN COMPANY, New York, N. Y., a Corporation of Connecticut. Renewed August 29, 1925.

45,884. CHEMICALLY-PREPARED FERTILIZERS. Registered August 29, 1905. THE BAUGH CHEMICAL COMPANY OF BALTIMORE COUNTY, MD., Baltimore and Baltimore County, Md., a Corporation of Maryland. Renewed August 29, 1925.

46,018. WIRE CLOTH. Registered September 5, 1905. CLINTON WIRE CLOTH CO., Clinton, Mass. Renewed September 5, 1925, to Wickwire Spencer Steel Company, New York, N. Y., a Corporation of Delaware, assignee, by mesne assignments.

46,029. CANNED FRUITS, BERRIES, AND VEGETABLES. Registered September 5, 1905. H. C. BAXTER & BRO., Brunswick, Me. Renewed September 5, 1925.

46,074. LEATHER BOOTS AND SHOES. Registered September 5, 1905. A. H. BERRY SHOE COMPANY, Portland, Me., a Corporation of Maine. Renewed September 5, 1925.

46,103. PAINTS, VARNISHES, AND ENAMELS. Registered September 5, 1905. ARMIN EICHLER, New York, N. Y. Renewed September 5, 1925, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee by mesne assignments.

46,118. A REMEDY FOR DISEASES OF THE STOMACH AND BOWELS. Registered September 5, 1905. CLARENCE M. KUYKENDAL, Rock Hill, S. C. Renewed September 5, 1925, to The "Anti-Ferment" Co., Columbia, S. C., a Corporation of South Carolina, successor.

46,276. CANNED FRUITS, BERRIES, AND VEGETABLES. Registered September 12, 1905. SNOW FLAKE CANNING CO., Brunswick, Me., a Corporation of Maine. Renewed September 12, 1925.

46,336. LININGS OF INSULATING MATERIAL. Registered September 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Renewed September 12, 1925, to Keystone Hair Insulator Company, Pittsburgh, Pa., and New York, N. Y., a Corporation of Pennsylvania.

46,512. VENTILATORS. Registered September 26, 1905. DOWMAN-DOZIER MFG. CO., Atlanta, Ga., a Corporation of Georgia. Renewed September 26, 1925.

46,545. CANNED FRUITS AND CANNED VEGETABLES. Registered September 26, 1905. H. C. BAXTER & BRO., Brunswick, Me. Renewed September 26, 1925.

46,904. COTTON PIECE GOODS. Registered October 17, 1905. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Renewed October 17, 1925, to Massachusetts Cotton Mills, Lowell and Boston, Mass., a Corporation of Massachusetts.

47,007. GLOVES. Registered October 17, 1905. FREDERICK LOESER & CO. Renewed October 17, 1925, to Frederick Loeser & Co. Inc., New York, N. Y., a Corporation of New York, successor.

47,443. WRITING PAPER. Registered November 7, 1905. WILLIAM G. WILLMANN. Renewed November 7, 1925, to Wm. G. Willmann Paper Co. Inc., New York, N. Y., a Corporation of New York, successor.

47,454. SALVE. Registered November 7, 1905. FRANK W. S. ELSTROTH, New York, N. Y. Renewed November 7, 1925, to William F. Cunneen, Holtsville, and Brooklyn, N. Y., assignee.

47,621. MOTOR VEHICLES AND PARTS THEREOF. Registered November 14, 1905. PACKARD MOTOR CAR COMPANY. Renewed November 14, 1925, to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan, assignee.



47,627. WOVEN WIRE CLOTH AND NETTING. Registered November 14, 1905. CLINTON WIRE CLOTH CO., Clinton, Mass. Renewed November 14, 1925, to Wickwire Spencer Steel Company, New York, N. Y., a Corporation of Delaware, assignee by mesne assignments.

47,764. POTATO FLOUR, POTATO STARCH, AND DEXTRIN. Registered November 21, 1905. NORDDEUTSCHE KARTOFFELMEHL-FABRIK MIT BESCHRÄNKTER HAFTUNG, Cüstrin, Germany. Renewed November 21, 1925, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

47,918. GRAIN DRILLS AND SEEDERS. Registered November 28, 1905. THE VAN BRUNT MFG. CO., Horicon, Wis., a Corporation of Wisconsin. Renewed November 28, 1925.

48,253. WASHBOARDS. Registered December 19, 1905. THE AMERICAN WASHBOARD COMPANY, Cleveland, Ohio. Renewed December 19, 1925, to National Washboard Company, Chicago, Ill., a Corporation of West Virginia, assignee.

48,254. WASHBOARDS. Registered December 19, 1905. THE AMERICAN WASHBOARD COMPANY, Cleveland, Ohio. Renewed December 19, 1925, to National Washboard Company, Chicago, Ill., a Corporation of West Virginia, assignee.

48,255. WASHBOARDS. Registered December 19, 1905. THE AMERICAN WASHBOARD COMPANY, Cleveland, Ohio. Renewed December 19, 1925, to National Washboard Company, Chicago, Ill., a Corporation of West Virginia, assignee.

48,258. WASHBOARDS. Registered December 19, 1905. THE AMERICAN WASHBOARD COMPANY, Cleveland, Ohio. Renewed December 19, 1925, to National Washboard Company, Chicago, Ill., a Corporation of West Virginia, assignee.

48,409. EVAPORATING AND DISTILLING APPARATUS. Registered December 26, 1905. WHEELER CONDENSER & ENGINEERING CO., New York, N. Y. Renewed December 26, 1925, to Wheeler Condenser & Engineering Co., Carteret, N. J., a Corporation of New Jersey.

48,469. WHEAT FLOUR. Registered January 2, 1906. GEO. A. ZARRISKIE. Renewed January 2, 1926, to William B. Fair, New York, N. Y., assignee.

48,641. LATHER BRUSHES, SHAVING BRUSHES, AND PAINTBRUSHES. Registered January 9, 1906. RUBBER AND CELLULOID HARNESS TRIMMING CO. Renewed January 9, 1926, to Rubber and Celluloid Products Company, Newark, N. J., a Corporation of New Jersey, assignee.

48,679. RAZORS. Registered January 9, 1906. CHALLENGE CUTLERY CORP., Bridgeport, Conn., a Corporation of Connecticut. Renewed January 9, 1926.

48,813. A WASHING PREPARATION IN A DRY OR POWDERED FORM. Registered January 16, 1906. WILFORD M. WILLIAMS. Renewed January 16, 1926, to W. M. Williams Company, Indianapolis, Ind., a Corporation of Indiana, assignee.

48,997. JUTE BAGGING. Registered January 16, 1906. LUDLOW MANUFACTURING ASSOCIATES, Boston, Mass., a Voluntary Association. Renewed January 16, 1926.

48,999. JUTE BAGGING. Registered January 16, 1906. LUDLOW MANUFACTURING ASSOCIATES, Boston, Mass., a Voluntary Association. Renewed January 16, 1926.

49,000. JUTE BAGGING. Registered January 16, 1906. LUDLOW MANUFACTURING ASSOCIATES, Boston, Mass., a Voluntary Association. Renewed January 16, 1926.

49,221. TOILET WATER AND LIQUID PERFUMES. Registered January 30, 1906. R. HUDNUT'S PHARMACY. Renewed January 30, 1926, to Richard Hudnut, New York, N. Y., a Corporation of New York, assignee.

49,287. OVERCOATS, COATS, VESTS, AND TROUSERS. Registered January 30, 1906. MARX & HAAS CLOTHING CO., St. Louis, Mo., a Corporation of Missouri. Renewed January 30, 1926.

49,328. WASHING POWDERS. Registered January 30, 1906. CITRUS SOAP COMPANY. Renewed January 30, 1926, to Citrus Soap Company of California, San Diego, Calif., a Corporation of California, assignee by mesne assignments.

49,395. PURE RED LEAD. Registered February 6, 1906. THE EAGLE WHITE LEAD CO. Renewed February 6, 1926, to The Eagle-Picher Lead Company, Cincinnati, Ohio, a Corporation of Ohio, assignee.

49,460. FILES AND RASPS. Registered February 6, 1906. ARCADE FILE WORKS, Anderson, Ind., a Corporation of Indiana. Renewed February 6, 1926.

49,631. LIQUID BLACKING. Registered February 13, 1906. C. L. HAUTHAWAY & SONS, INCORPORATED, Portland, Me., and Boston, Mass. Renewed February 13, 1926, to C. L. Hauthaway & Sons, Incorporated, Boston, Mass., a Corporation of Massachusetts, assignee.

49,688. LAUNDRY STARCH. Registered February 13, 1906. THE CELLULOID STARCH COMPANY, New York, N. Y., a Corporation of New York. Renewed February 13, 1926.

49,689. LAUNDRY STARCH. Registered February 13, 1906. THE CELLULOID STARCH COMPANY, New York, N. Y., a Corporation of New York. Renewed February 13, 1926.

49,710. HACK SAWS AND HACK-SAW BLADES. Registered February 13, 1906. G. W. GRIFFIN & CO., Franklin Falls, N. H. Renewed February 13, 1926, to G. W. Griffin Co., Franklin, N. H., a Corporation of New Hampshire, successor.

49,783. HATS AND CAPS. Registered February 13, 1906. THE KNOX HAT MANUFACTURING CO. Renewed February 13, 1926, to Knox Hat Company, Inc., New York, N. Y., a Corporation of New York, assignee.

49,784. HATS AND CAPS. Registered February 13, 1906. THE KNOX HAT MANUFACTURING CO. Renewed February 13, 1926, to Knox Hat Company, Inc., New York, N. Y., a Corporation of New York, assignee.

49,856. CERTAIN NAMED PAINTS, ENAMELS, AND BRONZING LIQUIDS. Registered February 20, 1906. GERSTENDORFER BROS., New York, N. Y., a Corporation of New York. Renewed February 20, 1926.

49,872. PHOSPHATIC SOLUTIONS. Registered February 20, 1906. RUMFORD CHEMICAL WORKS, Providence, R. I., a Corporation of Rhode Island. Renewed February 20, 1926.

49,914. BREAD-RAISING PREPARATION. Registered February 20, 1906. RUMFORD CHEMICAL WORKS, Providence, R. I., a Corporation of Rhode Island. Renewed February 20, 1926.

49,931. UNDERSHIRTS AND UNDERDRAWERS. Registered February 27, 1906. ERLANGER BROS. Renewed February 27, 1926, to The B. V. D. Company, Inc., New York, N. Y., a Corporation of Delaware, assignee.

49,965. SCISSORS AND SHEARS. Registered February 27, 1906. CHALLENGE CUTLERY CORPORATION, Bridgeport, Conn., a Corporation of Connecticut. Renewed February 27, 1926.

49,968. CLEANING PREPARATIONS. Registered February 27, 1906. INDIA ALKALI WORKS, Boston, Mass., a Corporation of Massachusetts. Renewed February 27, 1926.

49,998. POCKETKNIVES. Registered February 27, 1906. CHALLENGE CUTLERY CORPORATION, Bridgeport, Conn., a Corporation of Connecticut. Renewed February 27, 1926.

50,005. PAINTS AND ENAMELS. Registered February 27, 1906. GERSTENDORFER BROS., New York, N. Y., a Corporation of New York. Renewed February 27, 1926.

# LABELS

## REGISTERED NOVEMBER 17, 1925.

29,479.—*Title:* CHERRY PECTORAL. For a Cough Medicine. THE AYER COMPANY, Lowell, Mass. Published October 10, 1925.

29,480.—*Title:* NUF SED MALT EXTRACT HOP FLAVOR WARRANTED TO KEEP IN ANY CLIMATE. For Malt Extract. BOSCH FOOD PRODUCTS CO., Peoria, Ill. Published August 10, 1925.

29,481.—*Title:* GRIPPE. For Liquid Patent Medicine. CARONI PRODUCTS COMPANY, INC., Brooklyn, N. Y. Published May 25, 1925.

29,482.—*Title:* JECO GOLD LEAF & BRONZE POWDERS. For Gold Leaf and Bronze Powders. E. & J. ELDER CO., INC., New York, N. Y. Published September 11, 1925.

29,483.—*Title:* WONDERWOOD. For Materials for Making Models of Flowers and Plants. THE EMBOSSING COMPANY, Albany, N. Y. Published September 17, 1925.

29,484.—*Title:* UGENE. For Canned Beets. EUGENE FRUIT GROWERS ASSOCIATION, Eugene, Oreg. Published September 19, 1925.

29,485.—*Title:* POCKET EDITION CANDIES. For Confectionery. GRUENHAGEN'S, San Francisco, Calif. Published September 25, 1925.

29,486.—*Title:* ROY-EL. For Cigars. C. B. HENSCHEL MFG. CO., Milwaukee, Wis. Published September 10, 1925.

29,487.—*Title:* RENOVA. For a Carpet and Clothes Cleaning Renovating Fluid. EARL THRALL HILLS, doing business as The Renova Manufacturing Company, Seattle, Wash. Published July 21, 1925.

29,488.—*Title:* KATNIPS. For Toys. KATNIPS INC., Providence, R. I. Published September 25, 1925.

29,489.—*Title:* CAROLCHROMES. For Tinted Photographs. CARYL LE CARD, New York, N. Y. Published August 7, 1925.

29,490.—*Title:* MARQUETTE. For Peas. MAMMOTH SPRING CANNING CO., Templeton, Wis. Published August 4, 1925.

29,491.—*Title:* NEBO. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Nesbit & Bollen Company, Pittsburgh, Pa. Published September 10, 1925.

29,492.—*Title:* INJUN ARROWS. For Candy. NORMAN L. MILES, doing business as N. L. Miles Co., St. Paul, Minn. Published April 1, 1925.

29,493.—*Title:* THE MACHINE THAT MAKES FIGURES TELL THE TRUTH. For Calculating Machines. MONROE CALCULATING MACHINE COMPANY, New York, N. Y. Published September 23, 1925.

29,494.—*Title:* OLD FASHION. For Whole-Wheat Granules. THE OLD FASHION MILL INC., Portland, Oreg. Published September 15, 1925.

29,495.—*Title:* PORTER'S ORANGE COUNTY VIRGINIA CURED HAM. For Cured Hams. DANIEL L. PORTER, Orange, Va. Published September 22, 1925.

29,496.—*Title:* CHIMES. For Canned Asparagus. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published August 12, 1925.

29,497.—*Title:* REYNOLITE MASTERPIECE MOLDED THREE-GANG WALL PLATE. For Molded Three-Gang Wall Plates. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,498.—*Title:* NO. 500 UNIVERSAL HEATER CONNECTOR. For Universal Heater Connecters. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,499.—*Title:* NO. 600 HEATER CORD SET. For Heater Cord Sets. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,500.—*Title:* REYNOLITE MOLDED TWO-GANG WALL PLATE. For Molded Two-Gang Wall Plates. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,501.—*Title:* REYNOLITE MASTERPIECE MOLDED TWO-GANG WALL-PLATE. For Molded Two-Gang Wall Plates. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,502.—*Title:* REYNOLITE MASTERPIECE MOLDED WALL PLATE. For Molded Single-Gang Wall Plates. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,503.—*Title:* REYNOLITE MOLDED SINGLE GANG WALL PLATE. For Molded Single-Gang Wall Plates. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,504.—*Title:* REYNOLITE MASTERPIECE SINGLE GANG WALL PLATE. For Molded Single-Gang Wall Plates. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,505.—*Title:* NO. 360 THREE WAY COMBINATION PLUG. For Three-Way Combination Plugs. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,506.—*Title:* NO. 340 THREE WAY ANGLE PLUG COMBINATION. For Three-Way Angle-Plug Combinations. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,507.—*Title:* NO. 240 TWO WAY ANGLE PLUG COMBINATION. For Two-Way Angle-Plug Combinations. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,508.—*Title:* NO. 110 APPLIANCE CORD SWITCH. For Appliance Cord Switches. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,509.—*Title:* REYNOLITE MASTERPIECE MOLDED SINGLE GANG WALL PLATE. For Molded Single-Gang Wall Plates. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,510.—*Title:* REYNOLITE MOLDED THREE-GANG WALL PLATE. For Molded Three-Gang Wall Plates. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,511.—*Title:* GOLDEN BEST BRAND SELECTED EGGS. For Eggs. W. A. SCHURMANN & COMPANY, Chicago, Ill. Published October 8, 1925.

29,512.—*Title:* GENUINE PORTO RICAN COFFEE. For Coffee. RALPH A. SILVA BEAUCHAMP, Philadelphia, Pa. Published October 15, 1925.

29,513.—*Title:* GENEVA A1 MAINSPRINGS. For Mainsprings. SOUTH BEND WATCH COMPANY, South Bend, Ind. Published August 10, 1925.

29,514.—*Title:* NARCISSES. For Talcum Powder. SPOONER, INC., New York, N. Y. Published January 27, 1925.





29,515.—*Title:* STANDARD ODOR IMPROVED MANGE MEDICINE. For Mange Medicine. STANDARD VETERINARY PRODUCTS CO., INC., Philadelphia, Pa. Published August 21, 1925.

29,516.—*Title:* SPRING VALLEY. For Butter. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published February 1, 1925.

29,517.—*Title:* SWEET CREAM DAIRY BUTTER. For Butter. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published February 15, 1925.

29,518.—*Title:* SUN RED BRAND FANCY TUOLUMNE MOUNTAIN APPLES. For Apples. TUOLUMNE APPLE GROWERS' ASSOCIATION, Soulsbyville, Calif. Published August 15, 1925.

29,519.—*Title:* TRES PALMAS. For Fresh Dates. Valley Packing Corporation, Monrovia, Calif. Published September 21, 1925.

29,520.—*Title:* PINK OF PERFECTION. For Candy. STEPHEN F. WHITMAN & SON, INC., doing business as Whitman's, Philadelphia, Pa. Published October 3, 1925.

# PRINTS

## REGISTERED NOVEMBER 17, 1925.

8,318.—*Title:* PARDON MY GLOVE. For Gloves. JACOB ADLER & CO., INC., doing business as Adlers, New York, N. Y. Published October 1, 1925.

8,319.—*Title:* BARALGIN. For Pharmaceutical Preparation for Relieving Pain. THE BARBASOL COMPANY, doing business as Barbasol Pharmaceutical Laboratories, Indianapolis, Ind. Published April 1, 1925.

8,320.—*Title:* FREE TO TEACHERS AN ATTRACTIVE CHART ON CORRECT DIET FOR CHILDREN. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published October 1, 1925.

8,321.—*Title:* WHY BABY SPECIALISTS USE CREAM OF WHEAT. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published October 1, 1925.

8,322.—*Title:* BANISHED! THOSE "TEEN AGE" MORNING BLUES! WITH A GOOD HOT BREAKFAST TO RENEW THE ENERGY SUPPLY. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published October 3, 1925.

8,323.—*Title:* "NOT ONE MAN IN TEN THOUSAND FEEDS HIMSELF PROPERLY" SAYS SAMUEL G. BLYTHE. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published October 15, 1925.

8,324.—*Title:* GEORGE WASHINGTON'S COFFEE GRINDER. For Coffee. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Published September 29, 1925.

8,325.—*Title:* A FAMOUS COFFEE HOUSE OF BOSTON. For Coffee. JAS H. FORBES TEA & COFFEE CO., St. Louis, Mo. Published September 17, 1925.

8,326.—*Title:* A COFFEE GRINDER—SET WITH JEWELS. For Coffee. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Published October 1, 1925.

8,327.—*Title:* PAUL REVERE PATRIOT AND SILVERSMITH. For Coffee. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Published September 24, 1925.

8,328.—*Title:* THEY SAY I AM CHANGING THE ENTIRE CLOTHING BUSINESS OF THE COUNTRY. For Clothing. THE JULIAN GOLDMAN STORES, INC., New York, N. Y. Published September 4, 1925.

8,329.—*Title:* LET MY NEW WAY SAVE YOU UP TO 35% ON CLOTHING. For Clothing. THE JULIAN GOLDMAN STORES, INC., New York, N. Y. Published September 2, 1925.

8,330.—*Title:* THEY SAID IT COULDN'T BE DONE. For Clothing. THE JULIAN GOLDMAN STORES, INC., New York, N. Y. Published August 28, 1925.

8,331.—*Title:* THOUSANDS ARE SAVING MONEY NOW BUY YOUR CLOTHING, TOO, ON THE GREAT NEW JULIAN GOLDMAN PLAN. For Clothing. THE JULIAN GOLDMAN STORES, INC., New York, N. Y. Published September 18, 1925.

8,332.—*Title:* STUDY THESE PRICES. For Clothing. THE JULIAN GOLDMAN STORES, INC., New York, N. Y. Published September 10, 1925.

8,333.—*Title:* THE BEST TIRE BUY ON THE MARKET GOOD — WINGFOOT — YEAR BALLOONS. For Tires Composed Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Akron, Ohio. Published September 15, 1925.

8,334.—*Title:* J. J. LANSBURGH CO. FISH OYSTERS. For Fresh and Frozen Fish and Salt-Water Oysters. J. J. LANSBURGH CO., Baltimore, Md. Published October 12, 1925.

8,335.—*Title:* BANQUET TEA. For Tea. MCCORMICK & COMPANY, Baltimore, Md. Published March 26 1925.

8,336.—*Title:* BEE BRAND INSECT POWDER. For Insect Powder. MCCORMICK & COMPANY, Baltimore, Md. Published February 11, 1925.

8,337.—*Title:* THE SILENT COAL SALESMAN. For Coal. J. F. MARLOWE, doing business as J. F. Marlowe & Company, Memphis, Tenn. Published October 1, 1925.

8,338.—*Title:* NEW-MIX. For Dentifrices. NEW MIX PRODUCTS, INC., New York, N. Y. Published July 23, 1925.

8,339.—*Title:* UNDER 4 SEALS. For Coffee. REID, MURDOCH & CO., Chicago, Ill. Published October 8, 1925.

8,340.—*Title:* WHEN THAT FINE EDGE OF GUM TISSUE BREAKS DOWN—THEN AND ONLY THEN CAN YOU HAVE PYORRHEA (51-ET-1925). For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published April 19, 1925.

8,341.—*Title:* TRULY BEAUTIFUL WOMEN ARE AWARE OF THESE THINGS. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published May 24, 1925.

8,342.—*Title:* WHEN THAT FINE EDGE OF GUM TISSUE BREAKS DOWN—THEN AND ONLY THEN CAN YOU HAVE PYORRHEA (51-ES-1925). For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published April 19, 1925.

8,343.—*Title:* ONLY PROPER CARE AT THE DANGER LINE CAN PROTECT YOUR TEETH FROM ACID DECAY AND PREVENT PYORRHEA. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 22, 1925.

8,344.—*Title:* THE TRUTH ABOUT PYORRHEA. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published September 6, 1925.

8,345.—*Title:* YOUR TOOTH-BRUSH CAN ONLY GO SO FAR—AFTER THAT IT IS UP TO YOUR DENTIFRICE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published October 1, 1925.

8,346.—*Title:* SOUND SECOND TEETH DEPEND ON PROPER CARE OF FIRST TEETH AT THE DANGER LINE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 8, 1925.

8,347.—*Title:* HOW TO GUARD YOUR TEETH FROM ACID DECAY AND YOUR GUMS FROM PYORRHEA. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published August 1, 1925.

8,348.—*Title:* WATCH OUT FOR PYORRHEA AT THE DANGER LINE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published February 22, 1925.

8,349.—*Title:* SQUIBB'S MILK OF MAGNESIA IS ENTIRELY FREE FROM EARTHY ALKALINE TASTE. For Milk of Magnesia. E. R. SQUIBB & SONS, New York, N. Y. Published July 1, 1925.

8,350.—*Title:* WHEN SOMETHING SWEET. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 10, 1925.

8,351.—*Title:* THEY HAD JUST GIVEN JOHNNY A SPOONFUL. For Castor Oil. E. R. SQUIBB & SONS, New York, N. Y. Published September 1, 1925.

8,352.—*Title:* HOW OFTEN DO YOU USE BICARBONATE OF SODA? For Bicarbonate of Soda. E. R. SQUIBB & SONS, New York, N. Y. Published June 27, 1925.

8,353.—*Title:* DANGEROUS ACIDS. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 12, 1925.

8,354.—*Title:* FERMENTING FOODS. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 12, 1925.

8,355.—*Title:* DANGEROUS IRRITATION. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 17, 1925.

8,356.—*Title:* IT IS EASIER TO TAKE SQUIBB'S EPSOM SALT. For Epsom Salt. E. R. SQUIBB & SONS, New York, N. Y. Published September 1, 1925.

8,357.—*Title:* CHILDREN THRIVE ON THESE VITAMINS. For Cod-Liver Oil. E. R. SQUIBB & SONS, New York, N. Y. Published September 1, 1925.

8,358.—*Title:* IN TINY V-SHAPED CREVICES. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 5, 1925.

8,359.—*Title:* ACID DECAY, WHICH IS MOST DIFFICULT TO CONTROL, OCCURS AT THE DANGER LINE BETWEEN YOUR TEETH. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published April 5, 1925.

8,360.—*Title:* SENSITIVE TEETH ARE A WARNING. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 24, 1925.

8,361.—*Title:* WHERE FOOD FERMENTS. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published April 16, 1925.

8,362.—*Title:* AS PURE AS SQUIBB'S. For Bicarbonate of Soda. E. R. SQUIBB & SONS, New York, N. Y. Published September 1, 1925.

8,363.—*Title:* YOU CAN'T SCOUR AWAY THE ACIDS IN THE MOUTH. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published May 20, 1925.

8,364.—*Title:* STANDARDIZING A DENTIFRICE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published July 1, 1925.

8,365.—*Title:* WHAT YOU SHOULD KNOW ABOUT YOUR TEETH AND GUMS TO GUARD AGAINST DECAY AND PYORRHEA. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published May 10, 1925.

8,366.—*Title:* SWEET THINGS. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published April 30, 1925.

8,367.—*Title:* THESE THINGS MAY INJURE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published May 7, 1925.

8,368.—*Title:* $25,000.00 IN 508 CASH AWARDS! GREAT SQUIBB EDUCATIONAL CONTEST WILL BRING THOUSANDS OF PEOPLE INTO SQUIBB WEEK DRUGGISTS' STORES. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published August 1, 1925.

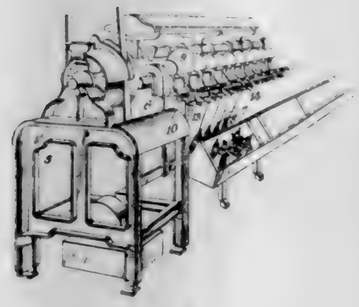
8,369.—*Title:* ECLIPSE WATCH PROTECTOR. For Watch Protectors. WILLIAM P. TALBOT, doing business as Eclipse Products Company, New York, N. Y. Published September 21, 1925.

8,370.—*Title:* ECLIPSE NECKTIE HOLDER. For Necktie Holders. WILLIAM P. TALBOT, doing business as Eclipse Products Company, New York, N. Y. Published September 21, 1925.

# REISSUES

## NOVEMBER 17, 1925.

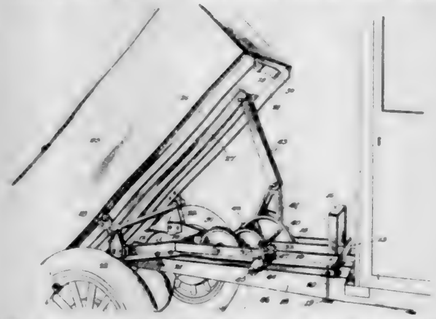
16,211. ATTACHMENT FOR CONE-WINDING MACHINES. ADOLPH A. JOHNSON, Hanes, N. C., assignor, by mesne assignments, to Danville Conditioning Machine Company, Inc., Danville, Va., a Corporation of Virginia. Filed Sept. 27, 1922. Serial No. 590,989. Original No. 1,424,100, dated July 25, 1922. Serial No. 487,795, filed July 26, 1921. 5 Claims. (Cl. 28—59.)



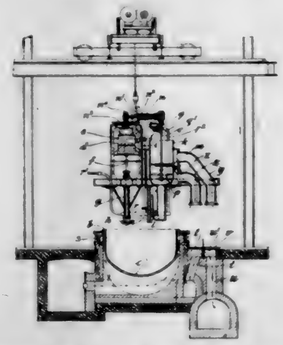
5. Yarn moistening means including a moistening roller revoluble about a horizontal axis, means for causing the yarn to bear against the periphery of said roller, means for causing the traverse of the yarn longitudinally of the roller and substantially the entire length thereof, and means for moistening the roller.

16,212. DUMPING UNIT FOR MOTOR TRUCKS. HARRY POUNDER, Galion, Ohio, assignor to Perfection Steel Body Company, Galion, Ohio. Filed Apr. 27, 1925. Serial No. 26,310. Original No. 1,529,374, dated Mar. 10, 1925, Serial No. 726,531, filed July 17, 1924. 5 Claims. (Cl. 298—19.)

4. In a dumping unit for motor trucks, a base frame having opposite end portions extended laterally to engage the side bars of a truck chassis, and having the intermediate portion narrow to come between the said side bars, elements at opposite ends of the frame to form a front rest and rear bearing members, a body tiltably mounted upon the bearing members and normally in engagement with the said rest, a train of gearing mounted upon the intermediate narrow portion of the frame between the rest and bearing members and including a large gear wheel having an arm projected radially therefrom, and a link connection between the said body and radial arm.



16,213. APPARATUS FOR REFINING METALS. HENRY HARRIS, London, England. Filed Feb. 12, 1925. Serial No. 8,838. Original No. 1,465,128, dated Aug. 14, 1923. Serial No. 537,009, filed Feb. 16, 1922. 13 Claims. (Cl. 266—34.)

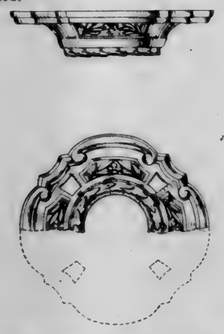


1. Apparatus for refining molten metal by passing it through a molten reagent, comprising a melting pot for the metal, a framework adapted to be lowered over the melting pot, a container for the molten reagent carried by the framework, and means also carried by the framework and extending into the molten metal for raising the latter and delivering it into the container, the lower portion of the container having a discharge opening for the return of the metal to the melting pot.

# DESIGNS

## NOVEMBER 17, 1925.

68,752. BALL-LAMP ADAPTER. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1925. Serial No. 14,341. Term of patent 7 years.



The ornamental design for a ball lamp adapter, as shown.

68,753. BALL-LAMP ADAPTER. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1925. Serial No. 14,342. Term of patent 7 years.

The ornamental design for a ball lamp adapter, as shown.

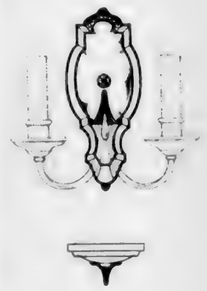
68,754. PENDANT FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1925. Serial No. 14,343. Term of patent 7 years.

The ornamental design for a pendant for lighting fixtures, as shown.

68,755. PENDANT FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1925. Serial No. 14,344. Term of patent 7 years.

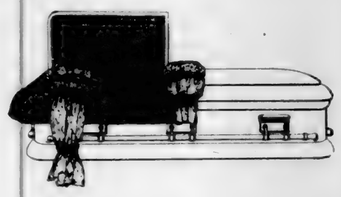
The ornamental design for a pendant for lighting fixtures, as shown.

68,756. BACKPLATE FOR LIGHTING FIXTURES. HARRY AGLOW, New York, N. Y., assignor to Artcraft Metal Stamping Corporation, a Corporation of New York. Filed Sept. 18, 1925. Serial No. 14,811. Term of patent 3½ years.



The ornamental design for a backplate for lighting fixtures substantially as shown.

68,757. COMBINED CASKET AND LINING. RIA OLIVE ANDERSON, Oakland, Calif., assignor to Western Casket Co., Oakland, Calif., a Corporation. Filed Oct. 27, 1924. Serial No. 11,296. Term of patent 3½ years.

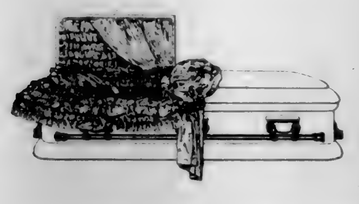


The ornamental design for a combined casket and lining, as shown.





68,758. COMBINED CASKET AND LINING. RIA OLIVE ANDERSON, Oakland, Calif., assignor to Western Casket Co., Oakland, Calif., a Corporation. Filed Oct. 27, 1924. Serial No. 11,297. Term of patent 3½ years.



The ornamental design for a combined casket and lining, as shown.

68,759. COMBINED CASKET AND LINING. RIA OLIVE ANDERSON, Oakland, Calif., assignor to Western Casket Co., Oakland, Calif., a Corporation. Filed Oct. 27, 1924. Serial No. 11,298. Term of patent 3½ years.

The ornamental design for a combined casket and lining, as shown.

68,760. GAME BOARD. ERASTUS WILLIAMS APPELMAN, Clermont, Iowa, assignor to Anna Larrabee, Clermont, Iowa. Filed Oct. 12, 1923. Serial No. 7,479. Term of patent 14 years.

The ornamental design for a game board, as shown.

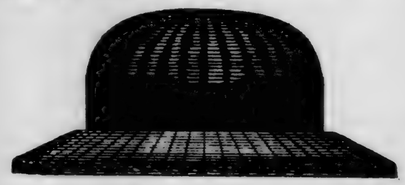
68,761. METAL BORDER STRIP FOR A PLATE OR SIMILAR ARTICLE. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed May 29, 1925. Serial No. 13,595. Term of patent 14 years.

The ornamental design for a metal border strip for a plate or similar article as shown.

68,762. FLOWER HOLDER. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed May 29, 1925. Serial No. 13,596. Term of patent 14 years.

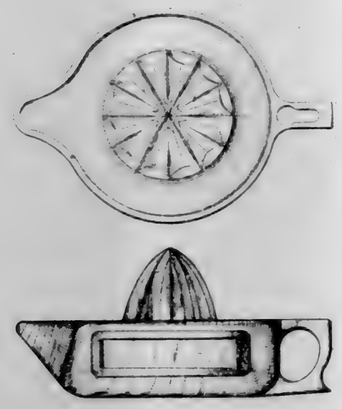
The ornamental design for a flower holder as shown.

68,763. HAT. CHARLES E. BINGHAM, New York, N. Y. Filed July 16, 1925. Serial No. 14,120. Term of patent 3½ years.



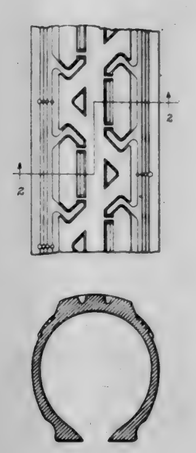
The ornamental design for a hat, as shown.

68,764. FRUIT-JUICE EXTRACTOR OR SIMILAR ARTICLE. WILLIAM M. BRISTOL, Highland, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a Corporation of California. Filed Aug. 19, 1925. Serial No. 14,510. Term of patent 14 years.



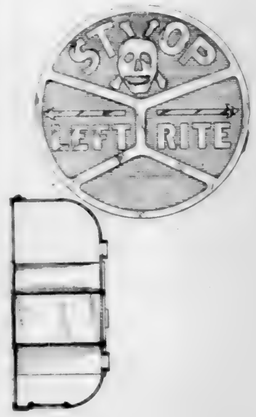
The ornamental design for a fruit juice extractor or similar article, substantially as shown.

68,765. TIRE. EDWARD H. BROADWELL, Longmeadow, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Oct. 2, 1924. Serial No. 10,948. Term of patent 14 years.



The ornamental design for a tire as shown.

68,766. SIGNAL-LAMP CASING. THOMAS S. CATLIN, Waveland, Ind. Filed Sept. 29, 1925. Serial No. 14,938. Term of patent 14 years.



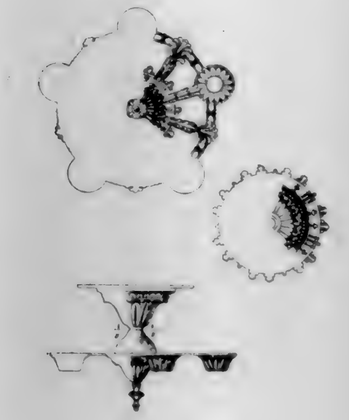

The ornamental design for a signal lamp casing, as shown.

68,767. SWIVEL JOINT FOR LIGHTING FIXTURES. THOMAS C. CHRIST, Reading, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1925. Serial No. 14,340. Term of patent 7 years.

The ornamental design for a swivel joint for lighting fixtures, as shown.

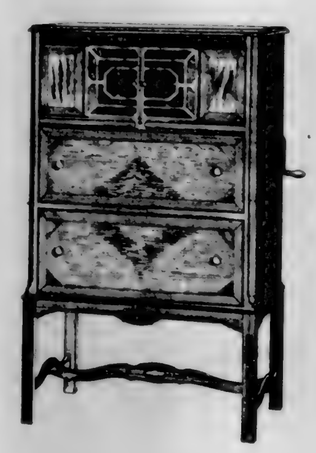


68,768. LIGHTING FIXTURE. STANLEY CZAPEK, Detroit, Mich., assignor to Radiant Specialty Co., a Corporation of Michigan. Filed July 20, 1925. Serial No. 14,146. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

68,769. RADIO PHONOGRAPH CABINET. WILLIAM H. DEWAR, Philadelphia, Pa., assignor to The Pooley Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 30, 1925. Serial No. 13,954. Term of patent 7 years.

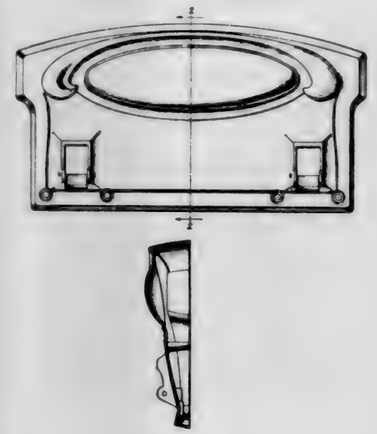


The ornamental design for a radio phonograph cabinet, as shown.

68,770. RADIOCABINET. WILLIAM H. DEWAR, Philadelphia, Pa., assignor to The Pooley Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 30, 1925. Serial No. 13,955. Term of patent 7 years.

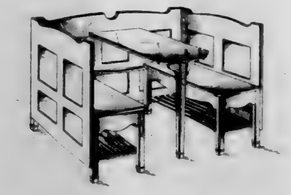
The ornamental design for a radiocabinet, as shown.

68,771. CASKET-HANDLE SOCKET. EDWARD DRINKUTH, Cincinnati, Ohio, assignor to The Cincinnati Coffin Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 23, 1925. Serial No. 12,833. Term of patent 3½ years.



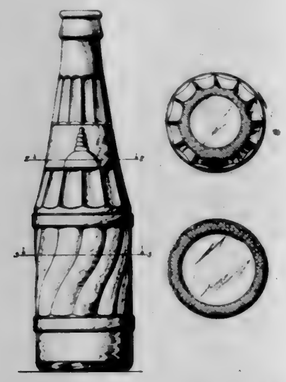
The ornamental design for a casket handle socket, as shown.

68,772. COMBINED SEAT AND TABLE. ARTHUR W. EICHMAN, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Dec. 16, 1921. Serial No. 522,932. Term of patent 14 years.



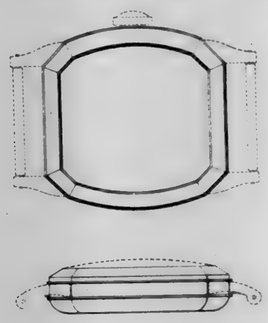
The ornamental design for a combined seat and table, substantially as shown.

68,773. BOTTLE. HARRY J. EISENBERG, Montgomery, Ala. Filed Sept. 23, 1925. Serial No. 14,879. Term of patent 14 years.



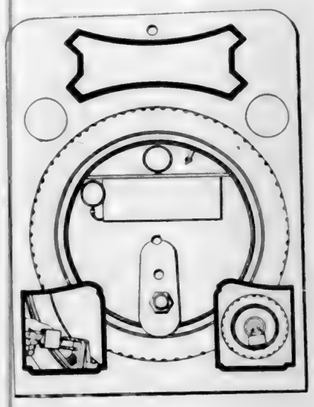
The ornamental design for a bottle, as shown.

68,774. WATCHCASE. JOSEPH FAHYS, Locust Valley, N. Y., assignor to Joseph Fahys & Co., New York, N. Y., a Corporation of New York. Filed June 24, 1925. Serial No. 13,880. Term of patent 7 years.



The ornamental design for a watchcase, as shown.

68,775. DISPLAY CARD. SAMUEL R. FRAIM, Lancaster, Pa. Filed Apr. 29, 1925. Serial No. 13,255. Term of patent 14 years.



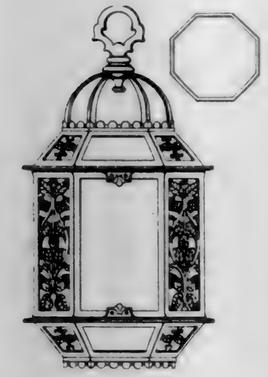
The ornamental design for a display card, as shown.

68,776. CHANDELIER BODY FOR LIGHTING FIXTURES. FREDERICK A. FRERICHS, Philadelphia, Pa., assignor to Horn & Brannen Mfg. Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 14, 1925. Serial No. 13,120. Term of patent 7 years.

The ornamental design for a chandelier body for lighting fixtures, as shown.

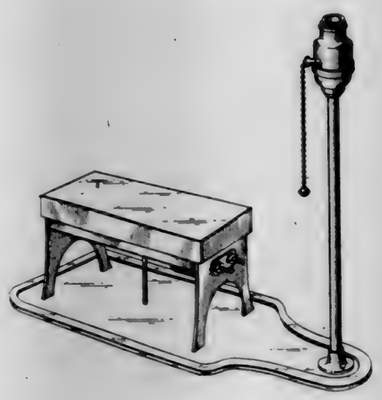


66,777. ELECTRIC LANTERN. FREDERICK A. FRERICHS, Philadelphia, Pa., assignor to Horn & Brannen Mfg. Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 14, 1925. Serial No. 13,121. Term of patent 7 years.



The ornamental design for an electric lantern, as shown and described.

68,778. COMBINED ELECTRIC HEATER AND LAMP STAND. DANIEL J. GESSLER, San Francisco, Calif., assignor, by mesne assignments, to Universal Specialty Company, a Copartnership consisting of Lillian V. Gessler, Albert J. Brown, William Klein, Reed M. Clarke, and Alvin Gerlack. Filed Apr. 2, 1923. Serial No. 5,662. Term of patent 3½ years.



The ornamental design for a combined electric heater and lamp stand, as shown.

68,779. PERFUME BOTTLE. GUY T. GIBSON, New Rochelle, N. Y. Filed Sept. 29, 1925. Serial No. 14,948. Term of patent 14 years.

The ornamental design for a perfume bottle as shown.

68,780. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,967. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,781. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,961. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,782. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,962. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,783. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,963. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,784. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,964. Term of patent 3½ years.

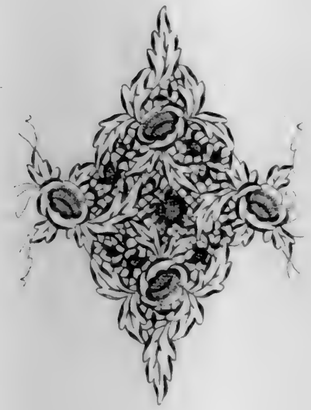
The ornamental design for lace substantially as shown.

68,785. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,965. Term of patent 3½ years.

The ornamental design for lace substantially as shown.



68,786. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,966. Term of patent 3½ years.

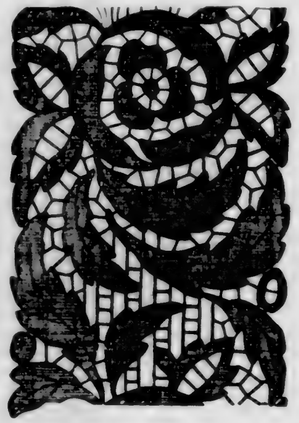


The ornamental design for lace substantially as shown.

68,787. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,968. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,788. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,969. Term of patent 3½ years.

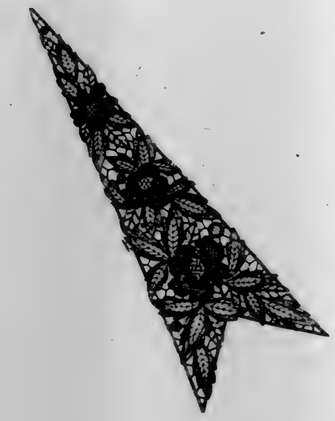


The ornamental design for lace substantially as shown.

68,789. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,970. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,790. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,971. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

68,791. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,972. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,792. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,973. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,793. LACE. PAUL GROEBLI, New York, N. Y. Filed Sept. 30, 1925. Serial No. 14,974. Term of patent 3½ years.

The ornamental design for lace substantially as shown.



68,794. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 7, 1925. Serial No. 15,042. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,795. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 7, 1925. Serial No. 15,043. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

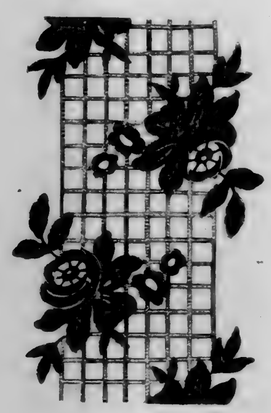
68,796. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 7, 1925. Serial No. 15,044. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,797. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 7, 1925. Serial No. 15,045. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,798. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 7, 1925. Serial No. 15,046. Term of patent 3½ years.

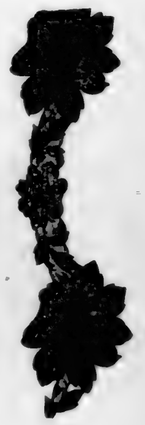


The ornamental design for lace substantially as shown.

68,799. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 7, 1925. Serial No. 15,047. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,800. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 7, 1925. Serial No. 15,048. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

68,801. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 7, 1925. Serial No. 15,049. Term of patent 3½ years.

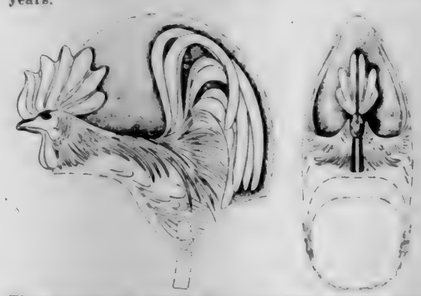
The ornamental design for lace substantially as shown.



68,802. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 7, 1925. Serial No. 15,050. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,803. BATHING CAP. GEORGE K. GUINZBURG, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Mar. 10, 1925. Serial No. 12,677. Term of patent 7 years.



The ornamental design for a bathing cap, as shown.

68,804. TOY BANK. DOUGLAS HALL, Chicago, Ill. Filed Sept. 25, 1925. Serial No. 14,903. Term of patent 14 years.

The ornamental design for a toy bank, as shown.

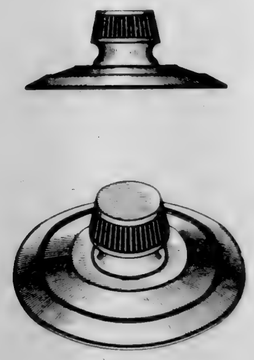
68,805. CUT STONE OR SIMILAR ARTICLE. SAMUEL HELLER, New York, N. Y., assignor to L. Heller & Son, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,881. Term of patent 3½ years.

The ornamental design for a cut stone or similar article, as shown.

68,806. CUT STONE OR SIMILAR ARTICLE. SAMUEL HELLER, New York, N. Y., assignor to L. Heller & Son, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,880. Term of patent 3½ years.

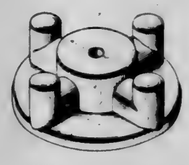
The ornamental design for a cut stone or similar article, as shown.

68,807. DIAL ASSEMBLY. WILLIAM R. HILL, Rochester, N. Y., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y., a Corporation of New York. Filed Apr. 10, 1925. Serial No. 13,085. Term of patent 14 years.



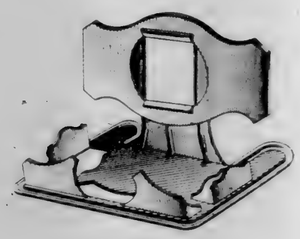
The ornamental design for a dial assembly, as shown.

68,808. BATTERY VENT CAP. WALTER E. HOLLAND, Philadelphia, Pa., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 27, 1923. Serial No. 5,299. Term of patent 14 years.



The ornamental design for a battery vent cap, substantially as shown.

68,809. CALENDAR STAND. NELSON L. JACOBUS, Hempstead, N. Y., assignor to The Electro Chemical Engraving Company, Brooklyn, N. Y., a Corporation of New York. Filed Aug. 25, 1924. Serial No. 10,543. Term of patent 14 years.



The ornamental design for a calendar stand, as shown.

68,810. PLATE OR SIMILAR ARTICLE. WILLIAM G. JACKSON, Los Angeles, Calif., assignor to Empire China Company, Burbank, Calif., a Corporation of California. Filed Sept. 2, 1925. Serial No. 14,693. Term of patent 14 years.

The ornamental design for a plate or similar article, as shown.

68,811. SPINNING TOP. LOUIS MORDECAI JAMPEL, New York, N. Y. Filed Aug. 11, 1925. Serial No. 14,391. Term of patent 7 years.

The ornamental design for a spinning top, as shown.



68,812. WEDDING RING. FELIX P. KINSLEY, St. Louis, Mo. Filed Sept. 12, 1925. Serial No. 14,767. Term of patent 7 years.

The ornamental design for a wedding ring, as shown.

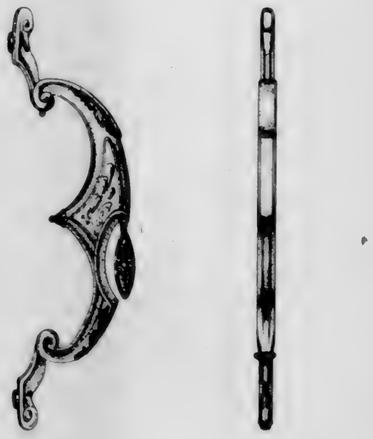
68,813. LEATHER OR SIMILAR ARTICLE. FREDERICK ANTHONY KOLB, Newark, N. J., assignor to Geisman, Musliner & Brightman, New York, N. Y., a Corporation of New York. Filed Aug. 13, 1925. Serial No. 14,421. Term of patent 7 years.

The ornamental design for leather or similar article, as shown.

68,814. ARM FOR LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed July 31, 1925. Serial No. 14,290. Term of patent 7 years.

The ornamental design for an arm for lighting fixture, as shown.

68,815. BRACKET ELEMENT OF AN ELECTRIC-LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed Aug. 14, 1925. Serial No. 14,427. Term of patent 7 years.



The ornamental design for a bracket element of an electric lighting fixture as shown.

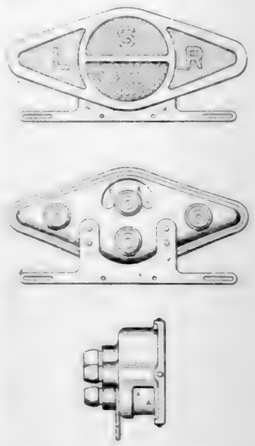
68,816. BRACKET ELEMENT OF AN ELECTRIC-LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed Aug. 14, 1925. Serial No. 14,428. Term of patent 7 years.

The ornamental design for a bracket element of an electric lighting fixture as shown.

68,817. ELECTRIC-LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed Aug. 14, 1925. Serial No. 14,429. Term of patent 7 years.

The ornamental design for an electric lighting fixture as shown.

68,818. TRAFFIC SIGNAL LAMP. BERT G. LA BAR, Turtle Creek, Pa. Filed Dec. 15, 1924. Serial No. 11,704. Term of patent 7 years.



The ornamental design for a traffic signal lamp as shown.

68,819. BENCH. WALLACE WARD MALLEY, New Haven, Conn. Filed Aug. 14, 1924. Serial No. 10,458. Term of patent 7 years.

The ornamental design for a bench as shown.

68,820. PERFUME BOTTLE. CHARLES LIONEL MARCUS and JOSEPH A. FIELDS, New York, N. Y. Filed Dec. 12, 1924. Serial No. 11,681. Term of patent 7 years.

The ornamental design for a perfume bottle as shown.



68,821. COMBINED PERFUME BOTTLE AND HOLDER. CHARLES LIONEL MARCUS and JOSEPH A. FIELDS, New York, N. Y. Filed Dec. 12, 1924. Serial No. 11,685. Term of patent 7 years.

The ornamental design for a combined perfume bottle and holder as shown and described.

68,822. GARTER. CHARLES B. NAMIOT, New York, N. Y. Filed July 2, 1925. Serial No. 13,980. Term of patent 3½ years.

The ornamental design for a garter as shown.

68,823. STRIP OR BANDING FOR DECORATIVE PURPOSES. HARRY NEGBAUR, New York, N. Y., assignor to E & J Bass, Incorporated, a Corporation of New York. Filed May 10, 1923. Serial No. 6,122. Term of patent 3½ years.

The ornamental design for strip or banding for decorative purposes substantially as shown and described.



68,824. ELECTRIC-LIGHTING FIXTURE. THEODORE J. NELSON, Chicago, Ill., assignor to Colonial Lamp & Fixture Works, Inc., Chicago, Ill., a Corporation of Illinois. Filed Aug. 14, 1925. Serial No. 14,430. Term of patent 14 years.

The ornamental design for an electric lighting fixture as shown.

68,825. ELECTRIC-LIGHTING FIXTURE. THEODORE J. NELSON, Chicago, Ill., assignor to Colonial Lamp & Fixture Works, Inc., Chicago, Ill., a Corporation of Illinois. Filed Aug. 14, 1925. Serial No. 14,431. Term of patent 14 years.

The ornamental design for an electric lighting fixture as shown.

68,826. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 14, 1925. Serial No. 14,785. Term of patent 14 years.

The ornamental design for lace substantially as shown.

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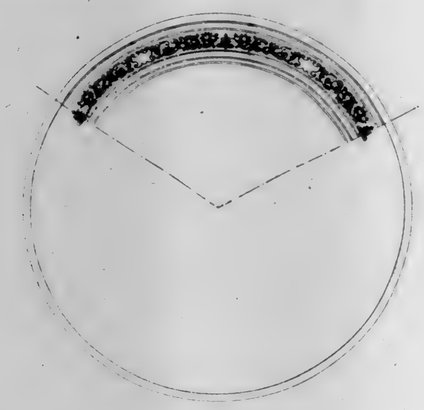
68,827. PLATE OR ANALOGOUS ARTICLE. GEORGE F. PARKER, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed Feb. 17, 1923. Serial No. 5,191. Term of patent 7 years.



The ornamental design for a plate or analogous article, substantially as shown and described.

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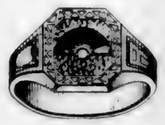
68,828. PANEL FOR RADIODIALS. PYAM L. PENDLETON, Providence, R. I., assignor to Martin-Copeland Company, a trusteeship consisting of Edgar W. Martin, Barrington, R. I.; Laurence C. Martin, Providence, R. I.; and George W. Bleecker, Chicago, Ill. Filed June 11, 1925. Serial No. 13,743. Term of patent 7 years.

The ornamental design for a panel for radiodials substantially as shown in the drawing.

68,829. FINGER RING. HENRY W. PETERS, Boston, Mass. Filed Aug. 29, 1925. Serial No. 14,634. Term of patent 3½ years.



The ornamental design for a finger ring, as shown.

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68,830. BOTTLE OR SIMILAR ARTICLE. JULIETTE L. PHILIPPEAU, New York, N. Y. Filed Aug. 21, 1925. Serial No. 14,548. Term of patent 14 years.

The ornamental design for a bottle or similar article, as shown.

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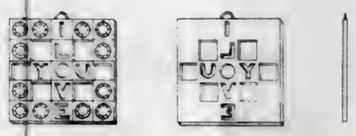
68,831. BADGE OR LIKE ARTICLE. WILLIAM I. ROSENFELD, Jr., New York, N. Y. Filed Jan. 8, 1925. Serial No. 11,964. Term of patent 3½ years.



The ornamental design for a badge or like article as shown and described.

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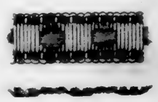
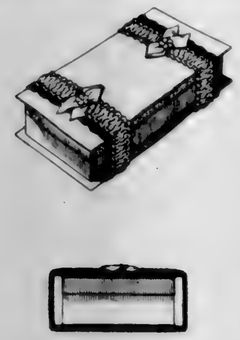
68,832. FURNITURE GIMP. GEORGE RUNGE, Chicago, Ill., assignor to E. L. Mansure Company, Chicago, Ill., a Corporation of Illinois. Filed July 9, 1925. Serial No. 14,029. Term of patent 7 years.



The ornamental design for furniture gimp, as shown.



68,833. CANDY BOX OR SIMILAR CONTAINER. CHARLES C. SCHULER, Winona, Minn. Filed Apr. 27, 1925. Serial No. 13,235. Term of patent 7 years.



The ornamental design for a candy box or similar container, as shown.

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68,834. WRIST-WATCH CASE. HARRY W. SCHWETTMAN, Cincinnati, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 9, 1924. Serial No. 11,005. Term of patent 3½ years.

The ornamental design for a wrist watch case, as shown.

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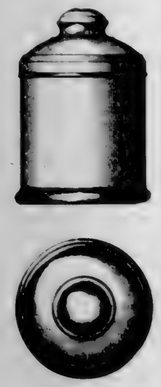
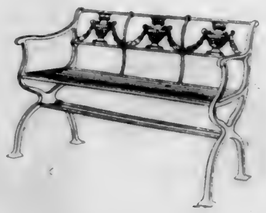
68,835. CONTAINER FOR CIGARS AND TOBACCO. JACOB S. SHERMAN, Chicago, Ill. Filed Sept. 13, 1924. Serial No. 10,774. Term of patent 14 years.



The ornamental design for a container for cigars and tobacco substantially as shown.

68,836. BENCH. WILLIAM A. SNOW, Winchester, Mass. Filed Aug. 17, 1925. Serial No. 14,496. Term of patent 14 years.



The ornamental design for a bench as shown.

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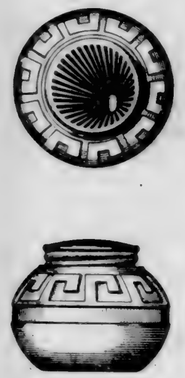
68,837. JAR OR SIMILAR CONTAINER. IRVING A. VEITH and RICHARD F. EBENTAL, New York, N. Y. Filed Sept. 23, 1925. Serial No. 14,884. Term of patent 14 years.



The ornamental design for a jar or similar container, as shown.

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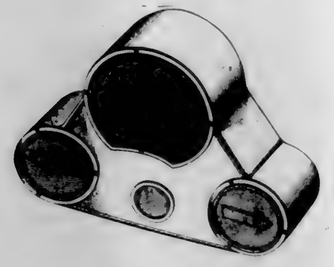
68,838. BADGE. ELMER T. WALDSCHMIDT, Pittsburgh, Pa. Filed July 13, 1925. Serial No. 14,074. Term of patent 14 years.

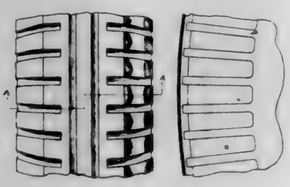
The ornamental design for a badge, as shown.

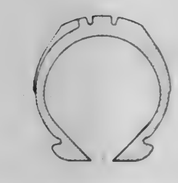
68,839. AUTOMOBILE SIGNAL CASING. GEORGE B. WILLIAMS, Gary, Ind. Filed Mar. 9, 1923. Serial No. 5,423. Term of patent 7 years.



The ornamental design for automobile signal casing as shown.

68,840. TIRE TREAD. WILLIAM S. WOLFE, Akron, Ohio. Filed Sept. 20, 1924. Serial No. 10,837. Term of patent 14 years.





The ornamental design for a tire tread, as shown.

68,841. PERFUME BOTTLE. GUY T. GIBSON, New Rochelle, N. Y. Filed Sept. 29, 1925. Serial No. 14,949. Term of patent 14 years.

The ornamental design for a perfume bottle as shown.

68,842. REFRIGERATOR HINGE. ALFRED J. HEYER, St. Louis, Mo., assignor to Harry L. Hussmann Refrigerator & Supply Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 25, 1922. Serial No. 4,398. Term of patent 3½ years.

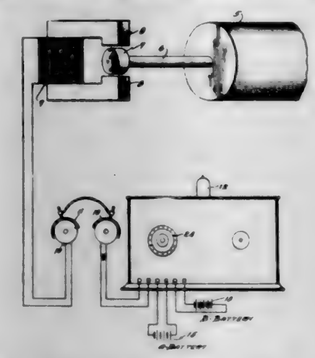


The ornamental design for a refrigerator hinge, as shown.

# PATENTS

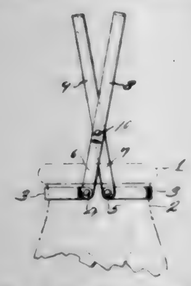
## GRANTED NOVEMBER 17, 1925.

1,561,452. SPEED-MEASURING DEVICE. CARROLL R. ALDEN, Detroit, Mich., assignor to Ex-Cell-O Tool and Manufacturing Company, Detroit, Mich. Filed Jan. 28, 1925. Serial No. 5,410. 12 Claims. (Cl. 175—183.)



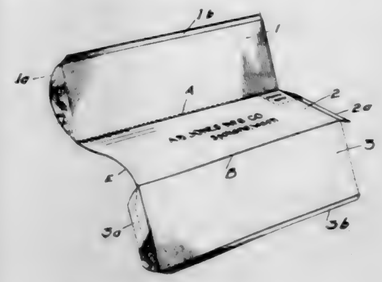
1. In a speed measuring device, means under the control of the mechanism to be measured for electrically producing a musical note, and manually controlled means for electrically producing a corresponding note adjacent the first mentioned note for comparison therewith.

1,561,453. MILK-BOTTLE CARRIER. FREDERICK C. ALTHEN, Anamosa, Iowa. Filed July 11, 1923. Serial No. 650,909. 1 Claim. (Cl. 215—100.)



A bottle carrying device comprising oppositely disposed associated U-shaped members circumferentially arranged on substantially he same arc, one of said U-shaped members having its ends provided with compound bends, thereby forming offset ears outside of the ends of the other segmentally shaped member and spaced from said ends, inverted U-shaped handle members, said handle members having their arms crossed and pivoted together, the ends of the arms of the inverted U-shaped handle members being pivotally connected to the offset ears carried by one of the segmentally shaped members and to the inner side of said ears and to the outer side of the ends of the other segmentally shaped members said arms of the U-shaped members diverging angularly upwardly and outwardly from the ends of the segmentally shaped members, said arms of the U-shaped members converging inwardly and upwardly from adjacent their pivotal points.

1,561,454. RETURN ENVELOPE. ALLEN B. ASHBY, Bonners Ferry, Idaho. Filed May 2, 1921. Serial No. 466,112. 1 Claim. (Cl. 229—73.)



A return envelope comprising an intermediate address leaf having a single end sealing flap, a primary address leaf having a single end sealing flap and an outer sealing edge, and a third leaf having an outer sealing edge and a single end sealing flap, the sealing flaps of the outer leaves being located at the end of the envelope opposite to the end sealing flap of the intermediate leaf, whereby the primary address leaf may be removed by the first receiver in opening the envelope.

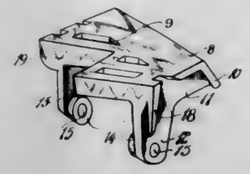
1,561,455. ARTIFICIAL WREATH AND METHOD OF MAKING SAME. SALVATORE BERTONA, New York, N. Y. Filed June 6, 1925. Serial No. 35,278. 5 Claims. (Cl. 41—12.)

1. The method of making an artificial wreath, consisting of arranging a series of independent leaves in a form in overlapping relation with the backs of said leaves uppermost, pasting a flat stiffening ring on the backs of said leaves and applying pressure to said ring.

1,561,456. FURNACE GRATE. LEO J. BINDER, Spokane, Wash. Filed Feb. 7, 1925. Serial No. 7,720. 3 Claims. (Cl. 126—168.)

1. An end section for a stationary grate comprising a flat body portion having a transversely extending supporting lip and formed with an inclined outer face,

spaced longitudinal webs integral with said body and lip and perforated ears integral with said webs, hollow supporting bosses on the inner adjoining faces of said ears, and a pair of flanges having inclined faces located between said bosses and transverse lip.



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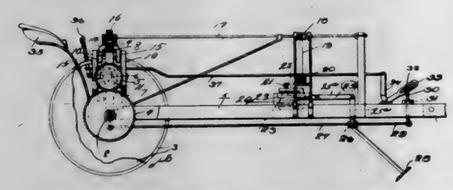
1,561,457. POWER HOE. GUSS BRANNAN, Indian Gap, Tex. Filed Dec. 4, 1924. Serial No. 753,864. 4 Claims. (Cl. 97—19.)



1. The combination with a hoeing machine comprising a pivoted oscillatory hoe bar carried by a frame, spaced rotatable shafts carried by the frame, endless cable connections between the shafts and the hoe bar whereby upon the rotation of the shafts in one direction and then the other, the hoe bar will be oscillated, a guide roller carried by the hoe bar and movable in an arcuate guide, a transversely movable rack bar, gear connections between the rack bar and the spaced shafts and means cooperating with the rack bar for imparting reciprocation to the rack bar as the machine moves over the ground.

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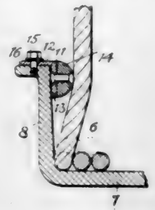
1,561,458. COMPOUND PRESSURE GAUGE. ANTHONY MARCUS CAHILL, Sellersville, Pa., assignor to United States Gauge Company, Sellersville, Pa., a Corporation of Pennsylvania. Filed Oct. 16, 1924. Serial No. 743,875. 2 Claims. (Cl. 73—109.)

1. In a compound gauge, the combination with the pinion shaft which is turned in either direction in proportion to the pressure of two pointers loosely mounted thereon and a spring secured to said pointers and adapted to impel them in opposite directions towards a fixed stop at the zero point on the scale, and an arm fixed to the pinion shaft adapted to engage and move one or the other pointer according to the direction in which it is turned.

1,561,459. ROPE-DEFLECTING DEVICE. ORLANDO M. CARSE, Cleveland, Ohio, assignor to The McMyler Interstate Company, Bedford, Ohio, a Corporation of Ohio. Filed May 12, 1923. Serial No. 638,487. 2 Claims. (Cl. 242—117.)



1. The combination with a winding drum having a rope receiving channel, one wall of which is formed by an outwardly projecting flange, of a bead ring formed of arcuate sections abutting end to end, each section having a portion overlying the periphery of the drum flange, and detachably secured thereto, said sections having portions projecting inwardly beyond the inner face of the flange and forming a continuous rope deflecting bead.

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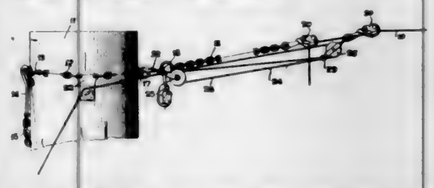
1,561,460. GUY-WIRE HOLDER. WILLIAM J. CASHIN, New York, N. Y. Filed Mar. 20, 1925. Serial No. 16,890. 5 Claims. (Cl. 254—65.)



1. A wire or cable tightening mechanism comprising a supporting element, means for securing the same directly to said wire or cable to retain the degree of tautness achieved between said element and said wire or cable, a power appliance having relatively movable members and having means for attachment of one of said members to said wire or cable, and means for securing the other of said members to either said supporting element or to an extended end of said wire or cable permitting said power appliance to draw said wire or cable toward either said supporting loop or toward the extended end of said wire or cable.

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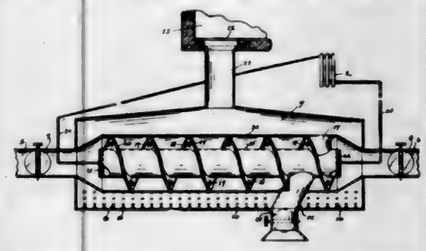
1,561,461. HEATING ATTACHMENT FOR STOVE AND FURNACE PIPES. BRUNO B. CHOINSKI, Milwaukee, Wis., assignor of forty-nine one-hundredths to Alexander B. Choinski, Milwaukee, Wis. Filed Apr. 5, 1922. Serial No. 549,896. 6 Claims. (Cl. 257—169.)



6. The combination with a flue and an enlarged section therein, of a cylinder within said section closed against the passage of flue gases, a helical flange wound about the cylinder between it and the wall of said section, a drum surrounding said section, means for permitting air to circulate through said drum, a pipe conforming to the outer margin of said helical flange, and a radiator connected in a closed circuit with said pipe.



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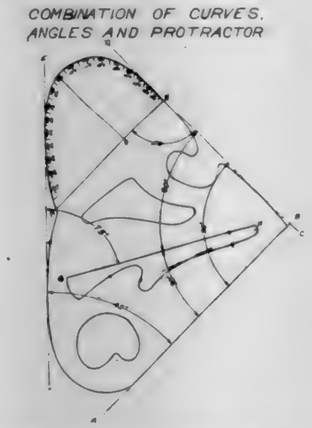
1,561,462. DRAFTING INSTRUMENT. ARTHUR CRAM, Redfield, S. Dak. Filed Dec. 29, 1924. Serial No. 758,640. 2 Claims. (Cl. 33—104.)




1. A drafting triangle comprising a thin sheet of material having one side substantially straight, the other two sides each comprising a plurality of irregular curves, whereby a common tangent to the two outer curves of each set will define the corresponding side of the triangle, and make a predetermined angle with the straight side, and the other tangent.

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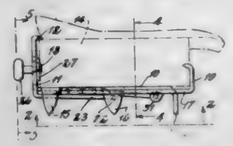
1,561,463. COUNTERBORE. ALLEN C. DE ROCHEMONT, Portsmouth, N. H. Filed Mar. 18, 1924. Serial No. 699,988. 4 Claims. (Cl. 77—58.)

1. A device of the class described comprising a blade member having end cutting edges and longitudinally slotted back of said edges, a pilot member slotted from one end to form a pair of jaws to take over said blade member, and means engaging the free ends of said jaws and passing through the slot of said blade member to clamp said pilot member to said blade member in adjustable axial relation.

1,561,464. ANTISLIPPING DEVICE. JOHN GEMBA, Danbury, Conn. Filed Nov. 19, 1924. Serial No. 750,761. 2 Claims. (Cl. 36—64.)



1. In a device of the class described, the combination of a stationary and a movable plate, a yoke on said movable plate having the lower ends of its branches attached to the stationary plate, a median bar on said yoke attached at its lower end to said stationary plate, perforated flanges on the branch bars of said yoke angularly disposed thereto, and a U-spring adapted to engage with its hook-shaped free ends into the perforations of said flanges, and a socket on said movable plate in which the connecting bar of the U-spring is turnably located.

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1,561,465. BUMPER-BAR ATTACHMENT. ANDREW G. GUSTAFSON, Aurora, Ill. Filed Oct. 5, 1923. Serial No. 666,711. 6 Claims. (Cl. 293—55.)

1. In combination, an axle, a chassis frame, means for resiliently mounting said frame on said axle, an upper brace member secured to said frame and extending forwardly therefrom, a lower brace member, a bumper bar, means for securing said bar to the forward ends of said brace members, a bar for connecting the rear ends of said members together, and means slidably engaging said bar for connecting said brace to said axle.

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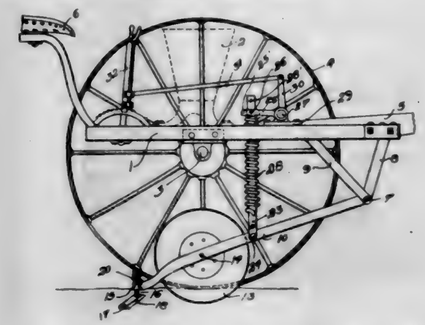
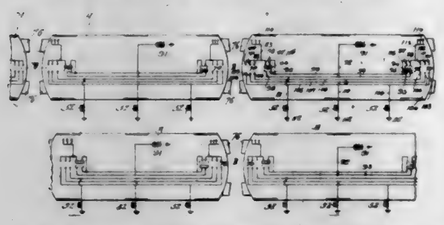
1,561,466. CULTIVATOR AND WEEDER. ALBERT D. HEALY, Davenport, Wash. Filed Mar. 6, 1923. Serial No. 623,287. 3 Claims. (Cl. 97—207.)



1. The combination in a wheeled cultivator, with a pivoted, slotted beam, and a vertically arranged cutting disk journaled in said beam, of a horizontally disposed cutter blade, means for swiveling said blade with relation to the beam, means for holding said blade in normal operative position, and resilient means for depressing said beam.

1,561,467. MULTIPLE-UNIT DOOR-CONTROL SYSTEM FOR CARS. FRANK HEDLEY, Yonkers, and JAMES S. DOYLE, Mount Vernon, N. Y. Filed July 1, 1919. Serial No. 307,997. 55 Claims. (Cl. 105—341.)



1. In a multiple unit car door control system, the combination with a train of cars each having doors in the sides thereof, of means to control the operations of all the doors on either side at will of two or more cars of the train from the same control station.

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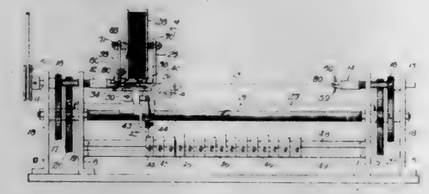
1,561,468. COILING OR WINDING APPARATUS. JAMES DENNY JORDAN, Riverside, and ARCHIE JOSEPH DOWD, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 1, 1921. Serial No. 474,141. 7 Claims. (Cl. 153—67.)



1. In a coil winding mechanism in combination, an arbor means for forming material around said arbor in a close helix, driving means for causing relative rotative movement between said arbor and said forming means, and adjustable means for causing periodic interruptions of different lengths in the uniformity of the helix without interrupting the continuity of the material being wound.

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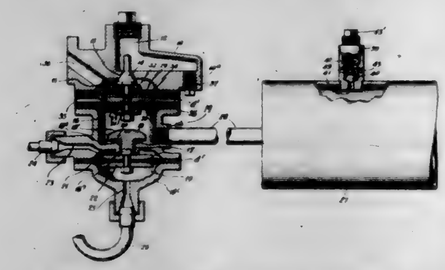
1,561,469. EXHAUST-CONTROL MECHANISM FOR AIR-BRAKE SYSTEMS. ALLEN B. KENDALL, Niagara Falls, N. Y., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 28, 1924. Serial No. 709,443. 18 Claims. (Cl. 303—18.)



1. A train brake control apparatus comprising a valve controlling an exhaust port, a pneumatic device having different effective pressure areas on opposite sides thereof for operating the said valve, means for admitting fluid at brake pipe pressure to one side of said device, a second valve for controlling the admission of fluid at brake pipe pressure to the opposite side of said device, a second pneumatic device for operating the second valve, and means for admitting fluid at brake pipe and reservoir pressures respectively onto opposite sides of said second pneumatic device.

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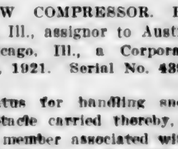
1,561,470. WINDOW SCREEN. OTTO R. KIHM, Irvington, N. J., assignor to The Foster Screen Co. Inc., a Corporation of New Jersey. Filed Sept. 23, 1921. Serial No. 502,649. 7 Claims. (Cl. 156—38.)



7. A frame for window screens or the like, comprising side and end pieces, and a plurality of corner pieces each formed of sheet metal and having two angularly disposed split tubular sockets each to receive one of said side or said end pieces, the split sides of said sockets opening inwardly and one edge of each of said sockets having a tongue to partially close said split side to positively hold the corresponding side or end piece against lateral movement out of the socket and capable of being bent to permit insertion and removal of a frame piece laterally into or from said socket, said end pieces and said corner pieces being provided with cooperating projections and recesses to hold the side and end pieces against longitudinal movement out of said sockets, corresponding edges of said sockets being connected by integral webs to reenforce said sockets against relative distortion, and crossed brace rods pivotally connected at their centers and having their ends loosely arranged between said webs to reenforce the frame against warping or like distortion.

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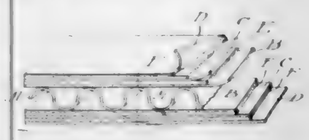
1,561,471. COMPOSITE MOISTUREPROOF PAPER BOARD. OTTO KRESS, Appleton, Wis., assignor to American Lakes Paper Company, Chicago, Ill., a Corporation of Delaware. Filed July 26, 1924. Serial No. 728,324. 6 Claims. (Cl. 154—55.)



4. A composite moisture proof paper board comprising a sheet of corrugated board having adhesively connected to one side thereof a composite paper board composed of at least three sheets of paper united together by films of asphalt, the sheets next to the corrugated board being of unsized paper and the outer sheet being of sized paper.

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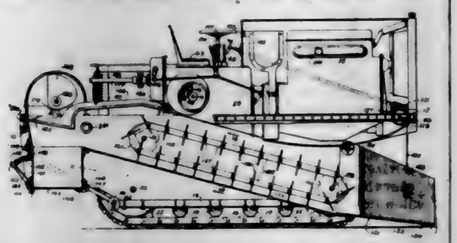
1,561,472. SNOW COMPRESSOR. BERT A. LINDEMAN, Chicago, Ill., assignor to Austin Machinery Corporation, Chicago, Ill., a Corporation of Virginia. Filed Jan. 22, 1921. Serial No. 439,192. 19 Claims. (Cl. 37—10.)

2. An apparatus for handling snow, comprising a vehicle, a receptacle carried thereby, an intermittently acting pressure member associated with said receptacle, and means delivering snow to said receptacle between the actions of said pressure member.



5. An apparatus for handling snow, comprising a vehicle, a receptacle carried thereby and having confining walls adapted to be opened for discharge, means delivering the snow into said receptacle, a device for compressing



the snow in said receptacle, and a lock for said confining walls releasable under the pressure of said compression means, when the snow charge in said receptacle is in predetermined condition to permit discharge.

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1,561,473. COMPOSITION OF MATTER AND METHOD OF MAKING THE SAME. HIRAM S. LUKENS, Philadelphia, Pa., assignor to Solidifier Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Jan. 24, 1925. Serial No. 4,426. 2 Claims. (Cl. 106—27.)

1. In the manufacture of artificial stone, the steps consisting of forming a wet mixture of aggregate other than ores of metals and a binder substantially all of which consists of magnesium oxide with sufficient water to form a plastic mass, and carbonating the mixture while wet to convert the oxide into magnesium carbonate.

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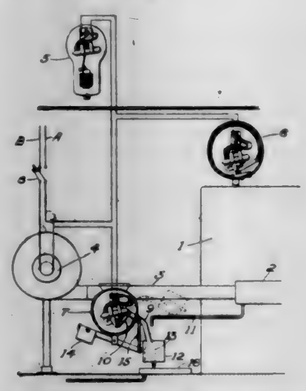
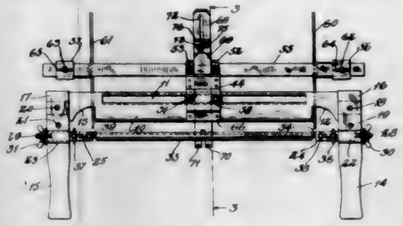
1,561,474. LIQUID-FUEL BURNER. IRA E. MCCABE, Chicago, Ill. Filed Apr. 3, 1924. Serial No. 703,841. 9 Claims. (Cl. 158—42.3.)



1. In a liquid fuel burning furnace including an electric circuit operating a motor supplying fuel to the furnace and having a room thermostat and furnace control switches in circuit therewith, a burner directing its flame into a combustion chamber within the furnace, a drain pipe for leading the unconsumed fuel from said chamber, and a safety control switch in the said circuit in combination with a liquid containing receptacle normally maintaining the safety switch in closed position when partially filled and into which the drain pipe discharges, means in connection therewith operated by a flow of liquid fuel from the drain pipe to empty the receptacle, and means operable when the receptacle is empty to open said safety switch and thereby cut off the supply of fuel to said burner.

1,561,475. ADJUSTABLE TONGUE-AND-GROOVE PLANE. JOHN MACIAG, Rome, N. Y. Filed Mar. 19, 1925. Serial No. 16,695. 3 Claims. (Cl. 145—5.)



3. In an adjustable tongue and groove plane, a frame including a longitudinally extending, slotted bar having reduced ends, mountings secured to the reduced ends of said bar, sleeves formed with said mountings, perforated blocks guided in said sleeves having reduced inner ends, a bar in front of and below the level of said slotted bar having upturned ends adapted to be passed through the perforations of said blocks, wing heads on said blocks, wing nuts upon the upper ends of said upturned bar-ends, a roller on said last named bar, pins having I-shaped lower ends through which said bar is passed, said pins projecting also through perforations in said blocks, springs wound about said pins between said I-shaped ends and the reduced ends of said blocks to permit the adjustment of said bar and its roller toward and from the work piece, a cutter and its carriage on said frame bar, and means for laterally adjusting said carriage and cutter on said bar and allowing a guidance of the same over the work-piece by the manipulation of said handles.

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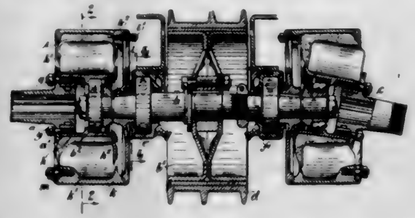
1,561,476. TORQUE-CUSHIONING DEVICE. ALFRED F. MASURY and AUGUST H. LEIPERT, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 2, 1923. Serial No. 629,290. 2 Claims. (Cl. 64—26.)



2. In combination, a propeller shaft section operatively connected with the prime mover of a motor vehicle, a brake drum carried with said section, means to apply braking power to said drum, a second propeller shaft section operatively connected with the final drive of the vehicle, means to connect the two sections yieldingly including a carrier carried with one end of a shaft section, a circular spider secured to the carrier, a retaining ring secured to the spider, a flange formed with the proximate end of the other shaft section, a spider secured to said flange and non-metallic yielding material retained between the spiders under compression.

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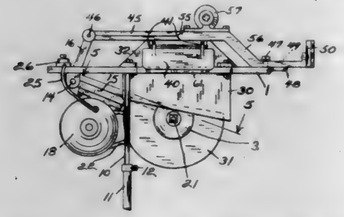
1,561,477. OSCILLATORY-SAW MACHINE AND GUARD THEREFOR. ADOLPH N. MILLER, Milwaukee, Wis., assignor to A. N. Miller Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 9, 1925. Serial No. 7,816. 17 Claims. (Cl. 143—46.)

1. In a device of the character described, the combination with a work supporting base, of an operating tool adapted to extend above said base, a guard having

an apertured side laterally of said tool, said guard enclosing that portion of the operating tool above said base, and a door for closing said aperture, said door



being hinged adjacent the upper margin of said aperture, whereby to be opened automatically by material caused to enter said guard.

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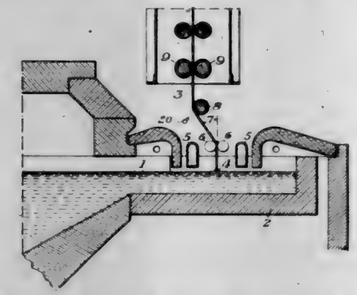
1,561,478. DRAWING AND FLATTENING SHEET GLASS. WILLIAM L. MONRO, Pittsburgh, Pa., assignor to Window Glass Machine Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Aug. 15, 1924. Serial No. 732,171. 14 Claims. (Cl. 49—17.)



1. The method of drawing and flattening a single sheet of glass, which comprises drawing the sheet vertically from a bath of molten glass, and then deflecting the sheet from the vertical through an angle materially less than a right angle by passing it against a flattening roller, substantially as described.

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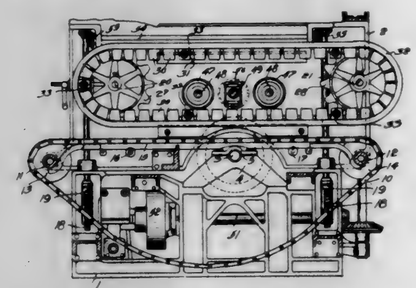
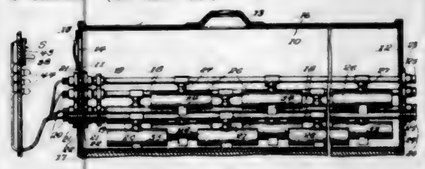
1,561,479. ADJUSTABLE FEED MECHANISM. PAUL G. OETTEL, Spokane, Wash. Filed Nov. 1, 1924. Serial No. 747,235. 13 Claims. (Cl. 143—49.)



1. In a machine of the character described a work feeding head comprising a flexible belt and driving means therefor, continuous strips on the exterior of said belt extending in the direction of travel of the work, and means for adjusting said strips laterally of the belt.

1,561,480. GENERATOR. THOMAS M. OFFUTT, Connersville, Ind. Filed Feb. 12, 1924. Serial No. 692,337. 3 Claims. (Cl. 219—38.)



1. The combination with a steam boiler, of a plurality of horizontally arranged pipes located within the boiler, a plurality of separate containers supported by and communicating with the pipes, combined spacing elements and heat conductors located between and connecting the containers and the boiler, heating elements located within the containers, electric conductor wires housed within the pipes and connected to the heating elements and means whereby said heating elements may be selectively controlled.

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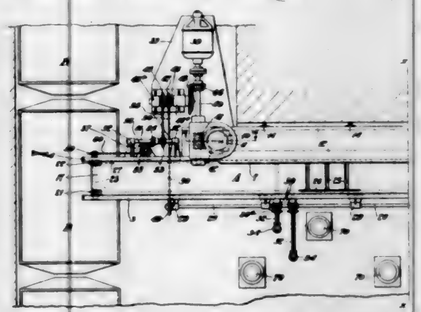
1,561,481. LONGWALL MINING MACHINE. EDWARD O'TOOLE, Gary, W. Va. Filed Feb. 14, 1924. Serial No. 692,694. 6 Claims. (Cl. 262—28.)



1. A mining machine comprising in combination a frame, a cutter chain having cutter bits thereon mounted on said frame and movable longitudinally thereof adapted to form a substantially horizontal kerf in the material to be mined, a conveyer mounted to the rear of said cutter chain and extending parallel therewith, a second cutter chain arranged at the butt end of said machine and movable in a direction at right angles to said first first named cutter chain adapted to form a substantially vertical kerf in the material to be mined, and means for operating said cutter chains and said conveyer.

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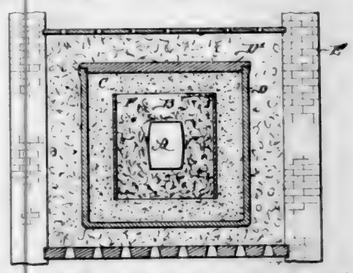
1,561,482. CARBURIZING PROCESS. NORA E. PHILLIPS, Chicago, Ill. Filed Aug. 27, 1923. Serial No. 659,501. 2 Claims. (Cl. 148—19.)



1. The process of carburizing iron, which consists in inclosing the iron within a closely consolidated packing of pulverized carboniferous substance of substantial thickness enclosed in a similarly consolidated packing of pulverulent calcium bearing substance, and subjecting the package to a temperature for heating the enclosed package and maintaining the same at white heat of the enclosed iron for from four to ten hours according to the depth of carburization desired.



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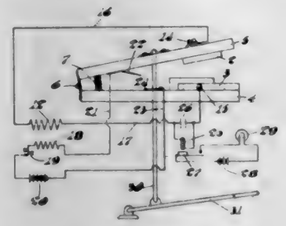
1,561,483. DISTINGUISHING DIELECTRIC SHEETS. GREENLEAF WHITTIER PICKARD, Newton, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed Apr. 23, 1920. Serial No. 376,131. 17 Claims. (Cl. 175—183.)



1. A mica testing apparatus comprising, in combination, upper and lower metallic blocks for engaging simultaneously opposite faces of a sheet of mica, supporting means for said blocks for relatively moving them into and out of engagement with a mica sheet, gaging means associated with the lower block for facilitating the positioning of a mica sheet properly between said blocks, a high potential circuit connected to said blocks and for which said blocks form terminals, and a signal operatively connected with said high potential circuit to be operated upon a flow of current therethrough.

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1,561,484. PRODUCTION OF TYPE MATRICES. FRANK HINMAN PIERPONT, Salford, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Jan. 25, 1924. Serial No. 688,607. 4 Claims. (Cl. 101—401.1)

1. The improvement in the art of producing justified type matrices which consists in driving a punch into a matrix blank, and thereafter, while the punch is positioned in the matrix cavity thus formed, cutting a surface of the matrix by cutting mechanism gaged by a surface of the punch.

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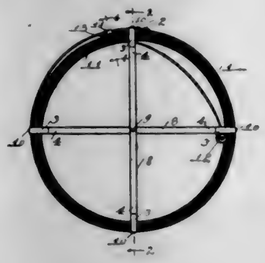
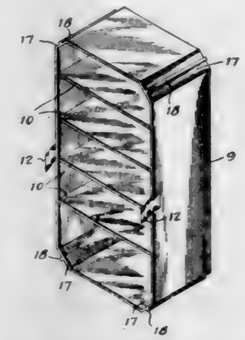
1,561,485. REEL. EARL K. POWERS, Grand Rapids, Mich. Filed Dec. 11, 1924. Serial No. 755,180. 6 Claims. (Cl. 242—77.)



1. In a device of the character described: an axially-open annular member having angularly-spaced pairs of axially-spaced inwardly-extending fingers.

1,561,486. WARDROBE STEAMER TRUNK. JOSEPH A. RIORDAN, Harrison, N. J. Filed Apr. 29, 1925. Serial No. 26,594. 3 Claims. (Cl. 190—13.)



1. A removable container for a wardrobe trunk, said container completely filling one half of the trunk so as to be in sliding contact with the walls of the half of the trunk in which it is housed and having a series of drawers extending substantially the entire depth of the container.

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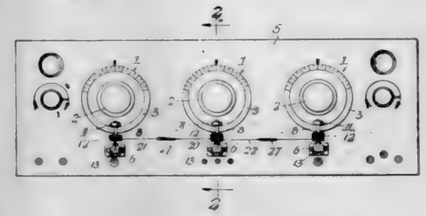
1,561,487. RADIO DIAL TURNER. ELMER RYDER, Berwyn, Ill. Filed May 5, 1924. Serial No. 710,958. 10 Claims. (Cl. 74—7.)



1. In a radio receiver, the combination with a panel, of a plurality of dials in front of the same, dial turning devices, one for each dial and mounted on the panel at their respective dials, and means connecting said devices together for turning the dials simultaneously and in unison from one of the same.

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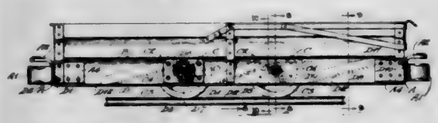
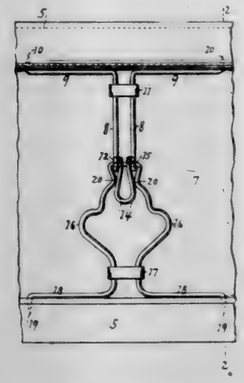
1,561,488. RAILWAY CAR. HUGH W. SANFORD, Knoxville, Tenn. Filed Dec. 3, 1923. Serial No. 678,311. 10 Claims. (Cl. 105—364.)



1. In a car of the kind described, the combination of a frame, axles transverse to the length of the frame and located above the lower edges of the frame sides, a bottom plate structure supported by the frame ends and the axle structures and parts of said bottom plate structure being at approximately the level of the lower edges of the frame sides and other parts rising to the level of the axles and the forward frame end, and said bottom structure being substantially free from the frame sides, whereby the frame is given freedom for flexing or twisting, substantially as described.

**1,561,489. STAIR-CARPET SUPPORT.** EUGENE A. SAVARY, Phoenicia, N. Y. Filed Jan. 3, 1925. Serial No. 306. 2 Claims. (Cl. 16—11.)



1. A stair carpet support comprising an upper member made of resilient wire, said member having a pair of shanks each provided with a pointed lateral arm for engagement with the tread of a stairway, the lower portions of the shanks forming loops and a handle depending from the loops; combined with a lower resilient wire member having a pair of legs the upper portion of which forms a transverse bar to hinge the lower member to the loops, and pointed lateral arms extending from the legs for engagement with the tread of a stairway, said legs being adapted to clasp the handle.

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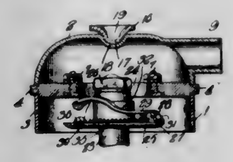
**1,561,490. TIMER.** STELLA HINDS SCHLUPP, Sabetha, Kans. Filed July 27, 1923. Serial No. 654,193. 4 Claims. (Cl. 200—24.)



2. In a device of the class described, a casing comprising a body, a cap, and a track therebetween, a bracket secured to the body, the track and the cap having elements which cooperate with the bracket to connect the cap and the track with the casing for simultaneous rotation, the bracket terminating in a spring clamp engaging the cap to hold the cap, the body and the track assembled.

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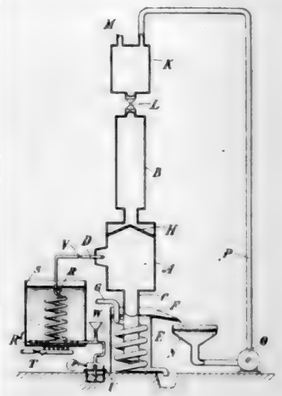
**1,561,491. MANUFACTURE OF ORGANIC COMPOUNDS BY REACTIONS INVOLVING REPLACEMENT OF SUBSTITUENT ATOMS OR GROUPS WITH LIQUID REAGENTS.** WILLIAM VIVIAN SHANNAN, London, England, assignor to The Gas Light and Coke Company, Westminster, London, England, a British Company. Filed Nov. 6, 1923. Serial No. 673,137. 19 Claims. (Cl. 260—130.5.)

1. In the manufacture of organic derivatives by a reaction involving substitution in a parent organic compound of a component atom or group, the process which consists in treating the parent compound with excess of a liquid reagent which is solvent upon the reaction product but relatively to its solvent action upon the said product is substantially non-solvent upon the parent compound, and effecting the reaction with the one reacting substance supernatant upon the other, the liquid reagent



maintained progressively in motion through the reaction vessel and the parent compound maintained stationary therein.

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**1,561,492. MANUFACTURE OF CHAMOTTE BRICKS.** SVEN EMIL SIEURIN, Hoganas, Sweden. Filed July 27, 1923. Serial No. 654,257. 2 Claims. (Cl. 106—11.)

1. In a process for the manufacture of chamotte bricks, adding to the main mass of the bricks, a binding mass consisting of an intimate mixture of finely divided silica and fire clay, the said mixture being such that a sample of it after heating to glowing heat contains 73-90% silica, and then burning the masses.

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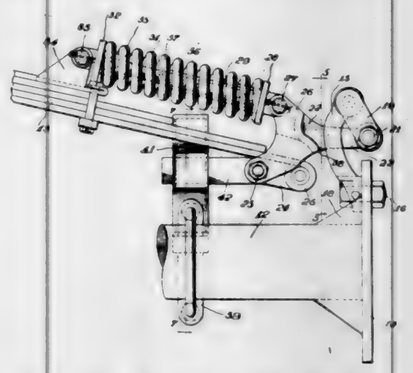
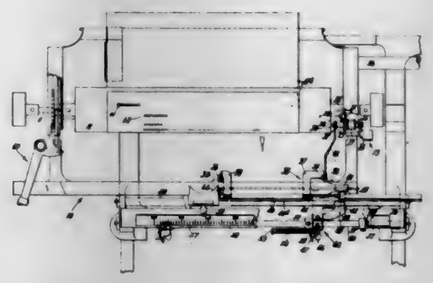
**1,561,493. SHOCK ABSORBER.** EARL H. SMITH, Chicago, Ill., assignor of one-half to Carl H. Jenkins, Chicago, Ill. Filed Apr. 18, 1923. Serial No. 632,971. 12 Claims. (Cl. 267—9.)



1. The combination with a vehicle spring, of a triangular lever pivotally connected at one end to said spring, supporting links pivotally connected to the other end of said lever, an abutment member pivotally connected to said lever between the ends thereof, a bracket fixed to said spring, a second abutment member pivotally engaged with said bracket, and a compression spring interposed between said abutment members.



**1,561,494. TYPEWRITING MACHINE.** JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 20, 1923. Serial No. 669,668. 32 Claims. (Cl. 197—63.)



1. In combination with a typewriting machine having a letter-feeding carriage, releasably-adjustable means capable of either positioning the carriage on a lower scale-position for typing near the left-hand edge of a work-sheet or at a higher scale-position for typing to the right of the first-mentioned position, and means to simultaneously release the work-sheet and the positioning means when the latter is set at the higher scale-position, so that it may be automatically shifted with the carriage on its succeeding return movement to the lower scale-position.

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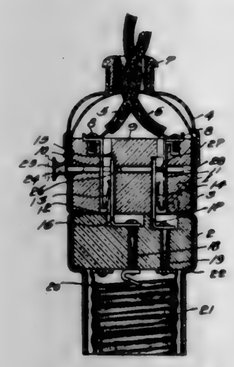
**1,561,495. ELECTRICAL CONNECTER.** AMOS CECIL THOMPSON, Spokane, Wash. Filed Nov. 1, 1924. Serial No. 747,215. 2 Claims. (Cl. 173—356.)



1. A holder having a transverse bolt hole and perpendicular spaced slots and contact plates in said slots, a plug having spaced contact plates, said plug plates having bifurcated free ends and bolt holes, and a slide bolt in the holder adapted to engage said bifurcated ends.

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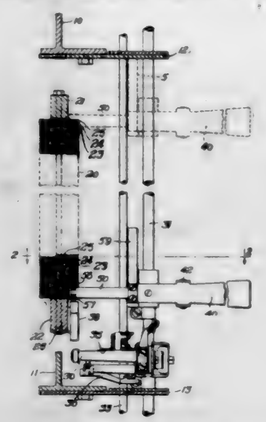
**1,561,496. TOOL FOR CLEANING ELECTRICAL-CONTACT SURFACES.** LEON EDWARD WHITLOCK, Leavenworth, Kans., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 7, 1923. Serial No. 643,888. 11 Claims. (Cl. 51—244.)

1. In a tool for cleaning a plurality of contact surfaces arranged for successive engagement by a movable contact terminal carried by a guiding member, means slidably engaging the guiding member, a resilient arm



supported therefrom and abrading means supported therefrom for successively engaging the surfaces in response to a movement of the means along the guiding member.

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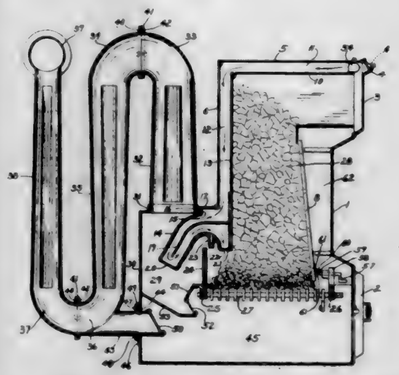
**1,561,497. HOT-AIR HEATER.** FREDERICK S. WIER, Richmond, Ind. Filed Mar. 30, 1923. Serial No. 628,870. 6 Claims. (Cl. 126—74.)



1. In a hot air heater, a magazine, an air heating chamber mounted in the lower portion of the heater adjacent said magazine and exposed to the hot gases formed in the latter, an air duct subjected to the heat of the magazine for conducting outside air downwardly to said heating chamber, the latter having openings through which the heated air therein is discharged for proper mixture with the gases formed in the magazine, and a baffle plate over which the bottom of said chamber is arched to assist in effecting the commingling of the gases with said air.

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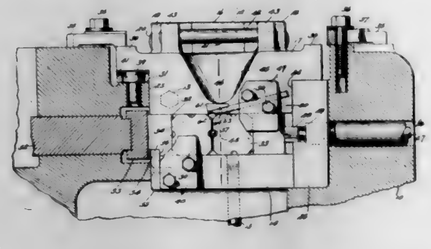
**1,561,498. DIE-HOLDING MEANS.** RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Oct. 31, 1921. Serial No. 511,807. 13 Claims. (Cl. 10—24.)

6. In a die holding means for a plural punch header; dies; a support for the dies; a die cap or cover therefor having a recess therein open at its front end and opposite

one of said punches when the same is above the upsetting line of the die; and clamp means for holding said cap or cover in its down position, connected with parts adja-



cent to said cap or cover and shifted out of the path of movement thereof while the same is being opened or closed.

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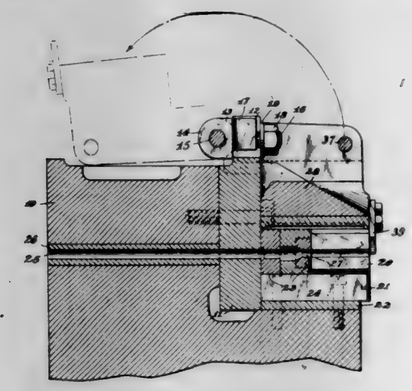
1,561,499. DIE-HOLDING MECHANISM. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed May 19, 1924. Serial No. 714,527. 16 Claims. (Cl. 10—24.)



1. Means for holding dies in heading or upsetting machines or the like, comprising a die supporting member, and a cap or cover arranged so that it may be moved toward and away from a position wherein one face thereof is substantially parallel with one face of the member, the cap being adjustably mounted to vary such parallel position to accommodate dies of various sizes.

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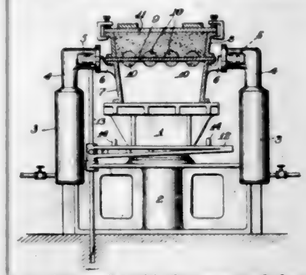
1,561,500. MOLDING MACHINE. JOHN R. WOOD, Newark, N. J., assignor to New Process Multi-Castings Company, Newark, N. J., a Corporation of New Jersey. Filed Sept. 19, 1923. Serial No. 663,694. 4 Claims. (Cl. 22—197.)

1. The process of making a plurality of sand molds from a single flask by means of matched pattern plates and a jolt molding machine, which consists in placing the assembled cope and drag members of a flask with an interposed matched pattern plate on the machine in an inverted position, supplying mold material such as sand to the drag member and packing or jolting it to an abnormal degree, closing with a board the drag member, then inverting the flask and packing the cope member, then separating the two members and removing the pattern plate, then reassembling the two members and re-



moving from the sand mold the cope and drag members, and removing the sand mold on the drag board from the table of the machine.

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1,561,501. TIRE-CHAIN-HOOK PLIERS. ROBERT R. ALBRIGHT, York, Pa., assignor to United States Chain & Forging Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 10, 1922. Serial No. 574,062. 5 Claims. (Cl. 81—15.)

1. A chain tool adapted for use in opening chain tire grips of the type wherein two arms are pivoted together to form handles on one side of the pivot and wedges being equi-distantly spaced from the pivot and on the other side of said pivot, characterized by the wedges having substantially spherical engaging faces, adapted to overlap each other, one of said faces being concave and the other convex.

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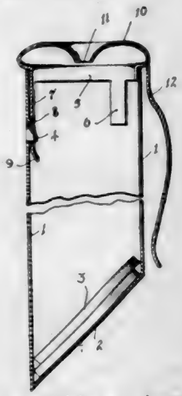
1,561,502. DIME-SAVINGS BANK. HARRY N. ANDREASEN, Chicago, Ill. Filed Mar. 19, 1923. Serial No. 626,094. 5 Claims. (Cl. 232—4.)



1. A coin bank, comprising an elongated receptacle of elliptical cross-section, with the bottom arranged at an inclination adapted to permit the coins to lay parallel



therewith, a removable cap provided with a coin-receiving slot and with a flange adapted to enter the receptacle, a portion of the flange being adapted to flex and provided with a socket, and a lug on the receptacle interior adapted to enter said socket and thereby lock the cap in place.

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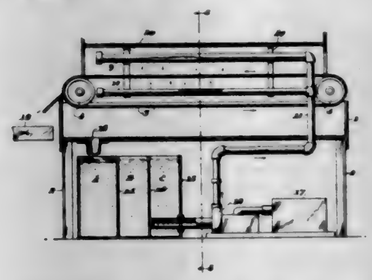
1,561,503. BRINING MACHINE. JAMES J. BARRY, New York, and CLARENCE BIRDSEYE, Yorktown Heights, N. Y. Filed Feb. 26, 1924. Serial No. 695,292. 1 Claim. (Cl. 17—45.)



In combination, with a brine fish cleaning machine a horizontally disposed tank having an opening in its bottom, a horizontally disposed belt within said tank, a pair of pipes arranged on either side of the upper run of said belt, said pipes being perforated on their sides adjacent said upper run, a second tank arranged below the first-mentioned tank and into which the latter discharges, said last-mentioned tank being divided into a plurality of compartments, said compartments separated by wire screens, the first compartment being adapted to receive the brine as it comes from the fish, containing various impurities such as fish scales, the second compartment is adapted to contain crystal salt, while the third compartment is kept comparatively free from solid substances by means of the intervening screens and crystal salt, thereby providing a clear cleaning brine, and means for pumping the said brine from the last named compartment through the pipes.

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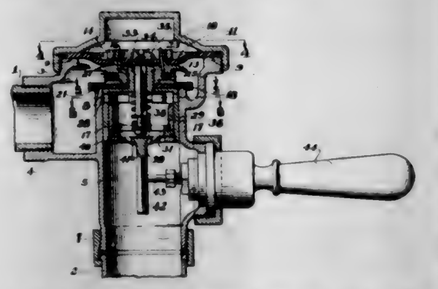
1,561,504. FLUSH VALVE. THOMAS ROBERT BEGGS, Hartford, Conn. Files. June 4, 1924. Serial No. 717,754. 27 Claims. (Cl. 137—93.)



1. In a device of the character described, the combination of a housing having an inlet and an outlet, a primary valve associated with said outlet, a cage secured to said valve and slidable within the outlet and having ports which are uncovered when the valve is raised, and a sleeve valve reciprocable within the cage to open or close the ports from the inside.

17. In a flush valve mechanism, the combination of a diaphragm having a collar secured centrally thereto and formed with a peripheral flange beneath the diaphragm, a primary valve secured to the lower end of the collar in spaced relation to said flange, a bleed duct through the collar connecting the space above the diaphragm with the space between the flange and primary valve, corresponding annular shoulders formed on said flange and valve outside of the duct, and a screen seated on said shoulders to prevent clogging of the duct.

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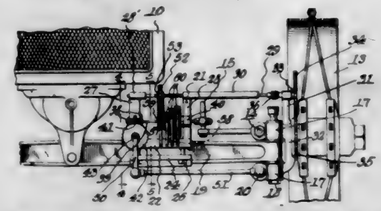
1,561,505. STEERING MEANS FOR TRACTORS. EDMUND C. BELLINGER, Atlanta, Ga. Filed Aug. 18, 1923, Serial No. 658,072. Renewed Aug. 14, 1925. 5 Claims. (Cl. 180—80.)



1. The combination with a tractor including an axle, steering wheels mounted upon the axle, and steering means for the wheels, of a support mounted upon the axle carrying the steering wheels, a worm-wheel mounted upon the support, connecting means between the worm-wheel and the steering means, gearing mounted upon a support and embodying a worm engaging the worm-wheel, and driving connecting means between the gearing and one steering wheel.

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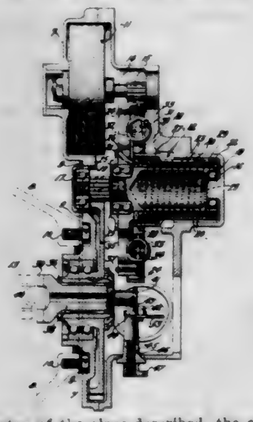
1,561,506. ENGINE STARTER. ROLAND CHILTON, Keyport, N. J., assignor to Aeromarine Plane & Motor Company, Inc., a Corporation of New York. Filed Apr. 12, 1924. Serial No. 706,142. 41 Claims. (Cl. 74—7.)



1. In apparatus of the class described, the combination with a means to be started, of a hand crank, a fly-wheel, gearing therebetween adapted for the relatively high speed rotation of the fly-wheel from the crank and for the low speed driving of the means to be started from said fly-wheel, a spring driving means operated by the gearing, a friction driving means coacting with said spring driving means and adapted to slip upon the yielding of said spring driving means.

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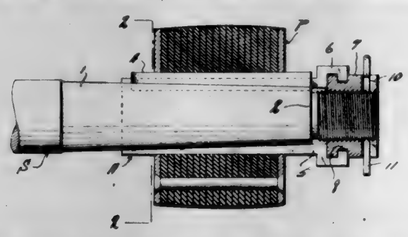
1,561,507. PINION OR PULLEY COUPLING. ED WILLIAM CLARK, Byesville, Ohio. Filed Apr. 25, 1925. Serial No. 25,887. 2 Claims. (Cl. 287—53.)

1. In combination with a shaft having a tapered portion, a key-way extending along said tapered portion, a member to be mounted on said shaft having a bore, a sec-

tional sleeve fitting within the bore of said member, the bore of the sleeve being tapered similar to the tapered portion of the shaft, said sleeve when assembled being less than a cylinder to provide a space therealong, a key engaged within the bore of the member and within the space of the sleeve, said key being also engageable within the key-way of the shaft, and a member threaded upon the shaft, said member and the adjacent end portions of



the sections of the sleeve being provided with coacting means to connect the sections of the sleeve to said last named member to permit free rotation of said last named member but moving the sleeve endwise with the movement of said last named member lengthwise of the shaft, said last named member being operatively engaged with the end portion of the sleeve having the smaller diameter of bore.

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1,561,508. CANDLE HOLDER. CHARLES E. DANIEL, Sandusky, Ohio, assignor to The American Crayon Company, Sandusky, Ohio, a Corporation of Ohio. Filed Mar. 16, 1925. Serial No. 15,713. 5 Claims. (Cl. 7—23.)

1. A candle holder comprising a bowl formed to retain drippings, arranged to support a candle in its base, and provided at its rim with a unitary extension arranged to be inserted into a supporting body to support from said body both said holder and the candle carried thereby.

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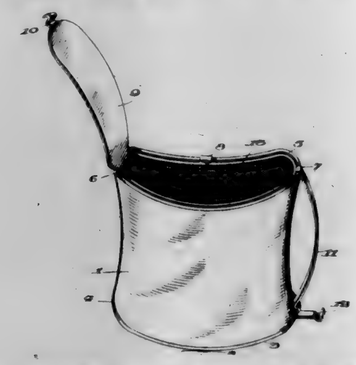
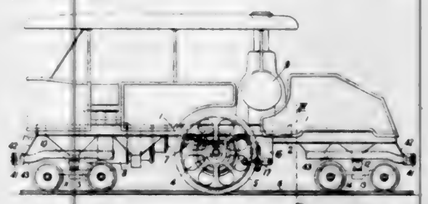
1,561,509. COLLAPSIBLE CUP. ISIDORE DAVIDSON, Newark, N. J. Filed Apr. 16, 1925. Serial No. 23,587. 7 Claims. (Cl 150—49.)



1. A collapsible receptacle comprising a flexible body portion, a cover and a handle secured to said body portion and adapted to swing on hinges, said cover and handle also serving to retain the body portion in an open position.

1,561,510. VEHICLE FOR SERVICE ON ROADS AND RAILS. FRANK HENRY DUTTON, Johannesburg, Transvaal, South Africa, assignor to Roadrails Limited, Wembley Hill, Middlesex, England, a British Company. Filed May 7, 1925. Serial No. 28,701. 11 Claims. (Cl. 105—26.)



1. A power driven reversible locomotive for service on roads and rails having driving means for running on the road and a rail bogie at each end, and composed of readily separable units each constructed to be separately convertible into a road unit for transport on ordinary roads.

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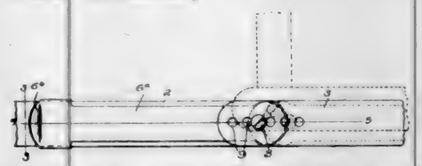
1,561,511. WINDOW FIXTURE. JOHN E. FOWLER, Olean, N. Y. Filed Oct. 13, 1923. Serial No. 668,413. 1 Claim. (Cl. 156—23.)



A window fixture comprising a sustaining device for a shade or the like, two bars to each of which a sustaining device is secured, a rearwardly extending hook near the outer end of each bar, a resilient link pivoted on the front face of one bar near the inner end of the latter and having at its other end two rearwardly projecting lugs for engaging the opposite edges of said bar, and a headed pivot eccentrically arranged on the front face of said link, the other bar having its inner end lying in front of the link and provided with a longitudinally extending series of openings in any one of which the headed pivot may lie.

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1,561,512. FISHING TACKLE. CHARLES FREDRICKS, Brooklyn, N. Y. Filed May 14, 1925. Serial No. 30,160. 4 Claims. (Cl. 43—42.)

1. Fishing tackle comprising a flexible artificial lure, a hook and an extensible and elastic suspension means for the hook connected with the lure at two separated points on its length, whereby as the suspending means is extended and contracted it imparts changes of form to said lure.



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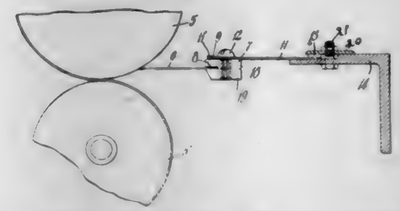
1,561,513. DEVICE FOR CLEANSING THE SURFACE OF ROLLS. JOHN A. FROSSARD, East Pepperell, Mass. Filed Mar. 25, 1925. Serial No. 18,136. 7 Claims. (Cl. 92—74.)



1. A device for cleansing the surface of a roll having, in combination, a bar provided with a slot along its front edge, a scraper blade with its rear edge positioned in said slot, and its front edge adapted to engage said roll, and yielding means on said bar projecting into said slot and engaging said scraper blade whereby the blade is detachably positioned and held in said slot.

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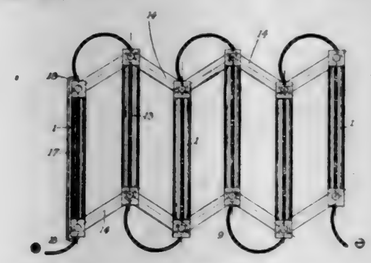
1,561,514. DEVICE FOR CURLING OR UNDULATING HAIR. PAUL EDMUND GAIRE, Brussels, Belgium. Filed Jan. 20, 1925. Serial No. 3,613. 3 Claims. (Cl. 132—31.)



1. In a hair waving apparatus, the combination of a number of heating elements, each of which is provided with a rounded surface carrying one or several rows of comb-teeth between which pass the hair, rigid links connecting said elements together and causing the successive elements to be moved longitudinally with relation to each other if the same are moved towards each other, whereby the hair will be caused to move in the same way, with a knife adapted to be inserted below the hair and raised to a varying amount according to the height of the rib to be formed on the hair, substantially as set forth.

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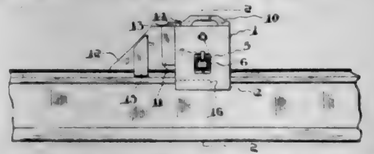
1,561,515. RAILWAY CLAMP. WILLIAM JOHN GIBSON, Thorold, Ontario, Canada. Filed July 7, 1924. Serial No. 724,726. 11 Claims. (Cl. 104—258.)



1. In a rail stop, the combination of a body having integral therewith a pair of depending legs directly opposite one another and adapted to straddle the rail,



each of said legs having a recess therein to receive the sides of the head of the rail, one of said recesses being of greater depth than the head of the rail whereby by rocking the body transversely of the rail it may be removed therefrom, said body having a slot formed in its under side; and a wedge in said slot engaging the head of the rail and adapted to exert a perpendicular lift effect to engage the under side of one of said recesses with the head of the rail.

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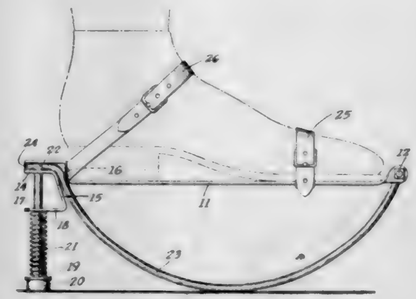
1,561,516. FOOTGEAR. ANTON GLOWA, Hoboken, N. J. Filed Feb. 27, 1924. Serial No. 695,448. 2 Claims. (Cl. 36—1.)



2. A device of the class described comprising a tread member having an offset portion at the rear end thereof, an arcuate supporting member fixed to the tread member, a transversely U-shaped plate at the rear end of the tread portion, a vertically slidable plunger in said U-shaped plate, a cushion at the lower end of the plunger, and yieldable means for urging said plunger downwardly.

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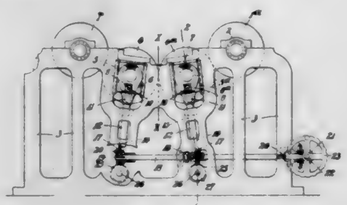
1,561,517. ROTARY OFFSET WEB-PRINTING PRESS. BENJAMIN JOSEPH JOHN GOLDING, London, and JOHN SHUTTLEWORTH, Altrincham, England, assignor to Linotype and Machinery Limited, London, England. Filed June 5, 1925. Serial No. 35,256. 8 Claims. (Cl. 101—143.)



1. In a rotary offset web printing press, the combination of two plate cylinders mounted in stationary bearings, two impression transfer cylinders located between them at a lower level, screw mechanism adapted to adjust each impression transfer cylinder to vary the pressure relationship between the cylinders during the running of the press, and means adapted to effect the said adjustment of the two impression transfer cylinders simultaneously and to the same extent.

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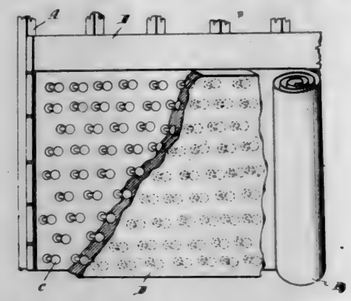
1,561,518. CEMENT-STUCCO ANCHOR NAIL. JAMES A. GRAHAM, Providence, R. I. Filed Sept. 25, 1924. Serial No. 739,828. 2 Claims. (Cl. 72—33.)

1. A double headed nail whose heads are flat and of extended surface, the inner side of the inner head being

adapted to engage a base to be fastened to the siding of a building, and the outer head being spaced from the



inner a distance sufficient to act as an anchorage for the plaster applied over said base and siding.

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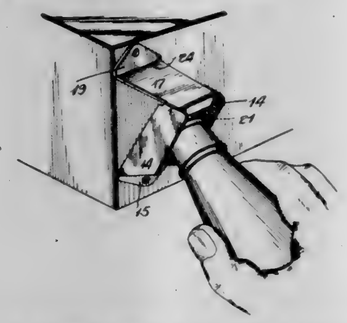
1,561,519. BOTTLE-CAP REMOVER. HOMER B. MATHEWS, Baltimore, Md. Filed July 21, 1925. Serial No. 44,963. 2 Claims. (Cl. 65—46.)



1. In a bottle opener of the kind described, an upwardly inclined body portion having forwardly projecting wings at the sides thereof, the upper end of said body portion being provided with a forwardly and downwardly return bent bottle cap engaging portion, and upwardly and downwardly extending tabs on the said return bent and body portions respectively.

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1,561,520. METHOD OF TREATING PLASTERED CEILINGS AND WALLS. SOFUS L. MORTENSEN, Boston, Mass. Filed Aug. 1, 1923. Serial No. 655,020. 8 Claims. (Cl. 72—123.)

1. The method of treating plastered walls and ceilings having plaster laid on laths which have air spaces between them, said method consisting of applying an adhesive to the plastered surface, and placing metal foil upon said adhesive.

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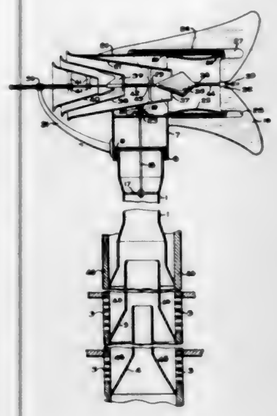
1,561,521. CHIMNEY AND VENTILATING COWL AND ITS SHAFT. WILLIAM HEYWOOD MOTTERSHALL, Toronto, Ontario, Canada. Filed Jan. 5, 1923. Serial No. 610,861. 9 Claims. (Cl. 98—3.)

1. In chimney and ventilator cowls, the combination with a shaft, of a cowl comprising a T-shaped casing, its vertical portion being revolubly mounted on the shaft and communicating with the horizontal portion which includes a hollow truncated conical member, said truncated conical member having wind inlet and outlet



orifices, adjustable means for varying the cross sectional area of the wind inlet orifice, and adjustable means for varying the cross sectional area of the wind outlet orifice, both means functioning in unison.

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1,561,522. REBOUND CHECK. RICHARD T. NEWTON, New York, N. Y. Filed May 19, 1923. Serial No. 640,105. 8 Claims. (Cl. 267—10.)

1. A rebound check device comprising a drum adapted to be mounted in fixed position upon the body portion of the vehicle, a brake band around said drum, and means adapted for operation by the running gear for causing frictional movement of said band around said drum on relative movement of the body and running gear, together with a brake shoe cooperating with said drum and band to grip the latter under predetermined conditions.

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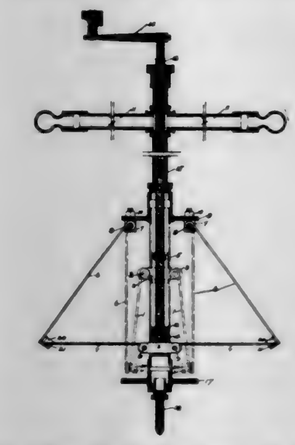
1,561,523. POSTHOLE AUGER. ARNOLD WILLIAM RIEDLE, Winnipeg, Manitoba, Canada. Filed Nov. 19, 1923. Serial No. 675,659. 3 Claims. (Cl. 255—74.)

1. In a post hole auger, a hollow casing having a handle, a non-rotary, vertically adjustable member carried by the casing, a series of cutter bars having their inner ends hinged to the vertically adjustable member



and their outer ends free, a series of cutter bars having their inner ends hinged to the casing in a location above the adjustable member and their lower ends free



and sockets carried by the latter ends of the latter cutter bars and receiving the outer ends of the former cutter bars.

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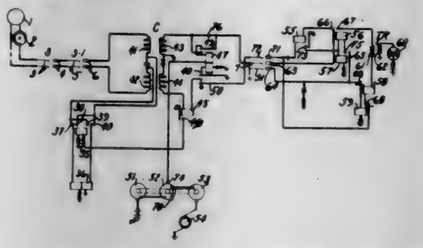
1,561,524. TELEPHONE TESTING SYSTEM. GEORGE SANDALLS, Jr., New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 20, 1924. Serial No. 714,689. 5 Claims. (Cl. 179—175.)



2. A testing device for testing telephone lines comprising a line, means in the line including a source of tone current supply operable after the testing device is properly seized for transmitting a tone to the tester and means thereafter automatically operated for interrupting the tone.

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1,561,525. PLASTIC MOLDING. RICHARD W. SEABURY, Boonton, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Research Laboratories Inc., Long Island City, N. Y., a Corporation of New York. Filed Feb. 16, 1921. Serial No. 445,520. 4 Claims. (Cl. 106—22.)

1. A molding composition comprising discrete particles containing a phenolic condensation product and filler in intimate admixture with particles containing a vulcanizable rubber composition and a filler.

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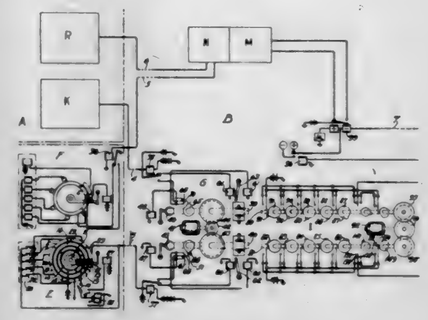
1,561,526. PRINTING TELEGRAPHY. GILBERT S. VERNAM, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 11, 1922. Serial No. 606,272. 26 Claims. (Cl. 178—71.)

1. In a telegraph system, a plurality of stations, a multiplex synchronous system connecting two of said stations, an extension circuit extending from one of said stations to a distant station, means for transmitting code combinations of message impulses over said extension circuit, means comprising a plurality of selectively movable elements, and cam sectors controlled by said elements for retransmitting to said multiplex system impulses in accordance with those transmitted over said extension circuit.



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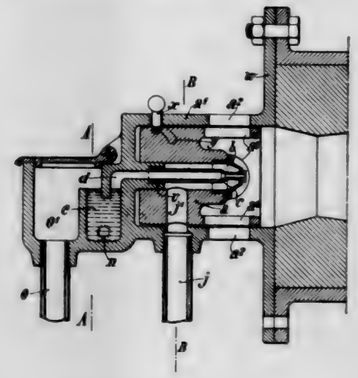
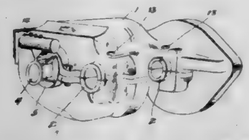
1,561,527. SUCTION BURNER WITH REGULATION OF OIL BY VARIATION OF LEVEL AND OF SUCTION FORCE. JEAN AUBÉ, Paris, France, assignor to Société Anonyme: Anciens Etablissements Loy et Aubé, Paris, France. Filed Jan. 17, 1925. Serial No. 3,134. 4 Claims. (Cl. 158—76.)



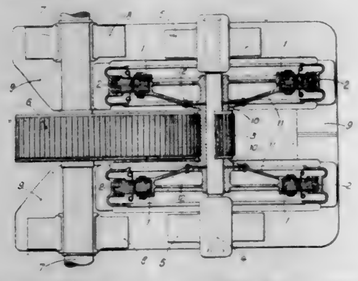
4. In a burner operating by suction of the liquid fuel, a cylindrical casing, a sleeve co-axial with the liquid hydrocarbon feeding tube, a channel, in the said sleeve; surrounding the hydrocarbon feeding tube, a conical nozzle at the orifice of the said channel, a passage connecting the said channel with the tube for the admission of air under pressure, a cylindrical flange forming an extension of the said sleeve, openings in the said cylindrical flange, corresponding ports in the cylindrical casing guiding the sleeve for cooperating with the openings of the flange, an hydrocarbon feeding tube in communication with the constant level vessel and the opposite end of which cooperates with the conical nozzle, a helical groove in the wall of the cylindrical guide casing, an operating rod, integral with the sleeve and its flange for cooperating with the helical groove and effecting the displacements of the sleeve and of its flange.

1,561,528. COMBINATION HOUSING AND OILER. HERSHEL A. BENEDICT, East Orange, and EDVARD M. MOLLER, Jersey City, N. J. Filed Nov. 21, 1922. Serial No. 602,433. 6 Claims. (Cl. 308—125.)



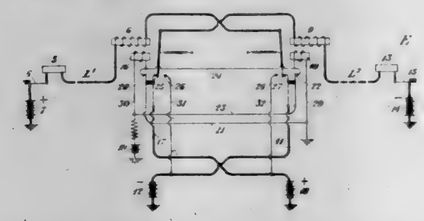
3. A bearing for encased motors and the like, comprising a body secured to the motor casing, a hub part extending axially from the body, the body and the hub provided with a bore adapted to receive a shaft to be supported, the hub formed with a funnel shaped offset, said funnel communicating with the bore, and a container seated on the top of the funnel shaped part and adapted to drain thereinto.

1,561,529. DRIVING ARRANGEMENT FOR ROLLING MILLS OR FOR THE MECHANICAL TRANSMISSION OF POWER FROM ELECTRIC MOTORS. ANDRÉ BOAS, Paris, France, assignor to Société Anonyme des Engrenages Citroen, Paris, France, a Corporation of France. Filed Jan. 3, 1924. Serial No. 684,244. 2 Claims. (Cl. 74—7.)



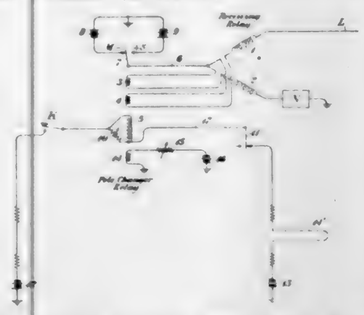
1. The combination of an electric motor having its rotor revolubly mounted on a stationary shaft and serving as a fly wheel, a pinion revoluble on said shaft, flanged connections between said rotor and said pinion, and a driven gear meshing with said pinion.

1,561,530. TELEGRAPH REPEATER CIRCUITS. ELMER J. CONOVER, Decatur, Ga., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 1, 1923. Serial No. 672,169. 3 Claims. (Cl. 178—71.)



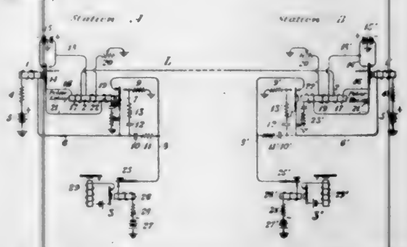
1. A telegraph repeater interconnecting two line sections, said repeater including a relay for each line section, an armature for each relay, battery of one polarity connected to the distant terminals of one of said line sections, the front contact of the armature of the relay associated with the other line section being connected to battery so poled to cause current to flow over said first line section in the same direction as the current flowing in the distant battery, and a battery of opposite polarity connected to the back contact of said armature so that when the armature rests upon said back contact a no-current condition will occur upon said first line section.

1,561,531. TELEGRAPH CIRCUITS. SAMUEL I. CORY, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 17, 1922, Serial No. 544,568. Renewed Mar. 18, 1925. 5 Claims. (Cl. 178—2.)



1. In a duplex telegraph system, a line, a terminal station therefor, a balancing artificial line circuit at said station, receiving relay windings connected in said line and artificial line circuits, said receiving relay windings being arranged in series with respect to currents coming in over said line and being differentially arranged with respect to outgoing currents applied to said line, a pole changer, and holding windings for said pole changer, said holding windings being connected in said line and artificial line circuits in a manner similar to said receiving relay windings.

1,561,532. TELEGRAPH SYSTEM. SAMUEL I. CORY, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 26, 1923. Serial No. 654,050. 6 Claims. (Cl. 178—2.)



1. In a single Morse telegraph system, the combination with a line circuit of a polar receiving relay having a plurality of windings, one of which is connected with the said line circuit, a pole changer having its armature connected with that winding of the said polar relay with which the said line circuit is connected, and also with another winding of the said polar relay, the said relay having also a third winding connected between the positive contact of the pole changer and ground.

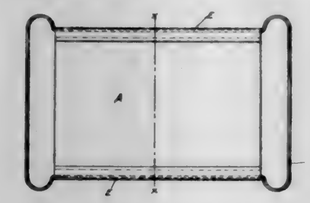
1,561,533. PARACHUTE TOY. THOMAS JOSEPH FLEURY, Toronto, Ontario, Canada. Filed Apr. 28, 1925. Serial No. 26,486. 5 Claims. (Cl. 244—21.)

1. In a parachute toy, the combination with the parachute portion, of a wind shield over the open end of the parachute whereby it may be thrown in the air open end first, a fan on the parachute adapted to be rotated upon the parachute and wind shield being thrown up in the

air together, and parachute releasing means between fan and wind shield actuated into operative position upon the fan being rotated a predetermined number of revolutions.



1,561,534. STENCIL FRAME. ELMER E. GRAY, Saugus, Mass. Filed May 6, 1925. Serial No. 28,488. 8 Claims. (Cl. 101—127.)

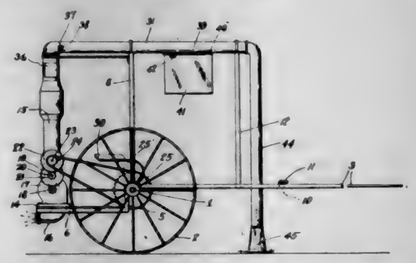


2. In a device of the character described, a resiliently flexible stencil-holding frame and a stencil adapted to be engaged with the said frame and being of smaller size than the frame, said frame being resiliently compressible to a size to permit attachment of the said stencil thereto and being adapted by its resiliency to hold the stencil taut.

1,561,535. PHARMACEUTICAL COMPOUND. HANS HAHL, Elberfeld, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Original application filed Dec. 10, 1924, Serial No. 755,059. Divided and this application filed June 27, 1925. Serial No. 40,103. 3 Claims. (Cl. 260—11.)

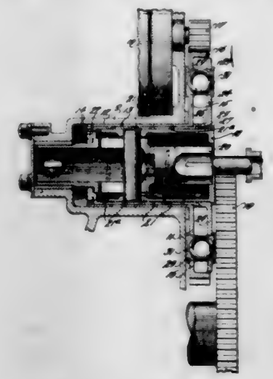
1. The process of producing alkali metal salts of complex antimony compounds of mercapto-carboxylic acids, which process consists in treating the mercapto-carboxylic acid with an oxy derivative of the trivalent antimony and neutralizing the resulting product with a suitable alkali metal compound, substantially as described.

1,561,536. WEEVIL COLLECTOR. WILSON L. HAMLET, Daviston, Ala. Filed Jan. 21, 1924. Serial No 687,612. 1 Claim. (Cl. 43—140.)



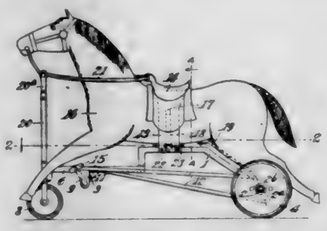
In a suction boll weevil collector, a stack, a pipe having a foraminous funnel-shaped end which is swivelly received in the top of the stack, a receptacle in the stack below the said end of the pipe, said pipe having an opening in the bottom thereof, an angle screen in the pipe arranged over the opening, and a box providing a receptacle removably secured on the pipe and covering the opening.

1,561,537. LOAD-LIMITING DEVICE. FRANK A. HAYES, Keyport, N. J., assignor to Aeromarine Plane & Motor Company, a Corporation of New York. Filed July 2, 1923. Serial No. 649,089. 19 Claims. (Cl. 64—99.)



1. In a load limiting device, the combination of a helix wound for frictional driving engagement upon a drum to be driven, a power transmitting spring means, said frictional engagement subject to the power transmitting spring means, and means connecting the spring means to the helix to cause said helix to release the drum upon a yielding of said spring means.

1,561,538. VELOCIPEDE. ELMER HOFF, Wheeling, W. Va. Filed Oct. 28, 1924. Serial No. 746,322. 5 Claims. (Cl. 208—42.)

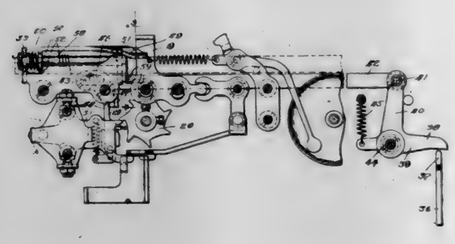


1. In combination, a vehicle running-gear, a rocking horse mounted over and supported by said running gear, means whereby travel of said running gear induces rocking movement of said horse, and a stationary rider's seat carried by said running gear independently of and at a distance from the back of the horse permitting unobstructed rocking movement of the horse.

1,561,539. TABULATOR MECHANISM FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Sept. 13, 1920. Serial No. 410,043. 10 Claims. (Cl. 197—176.)

1. In a typewriter, a platen carriage frame, a platen carriage arranged to move along said frame, a stop bar on said platen carriage and having margin and tabulator

stops thereon, and means for shifting said bar on said carriage to move said stops out of operative position said shifting means comprising a pivoted lever having said bar secured thereto at a point removed from the pivotal



support therefor and a stop on said platen carriage frame below the horizontal plane of said pivotal support for engaging the stop on said bar.

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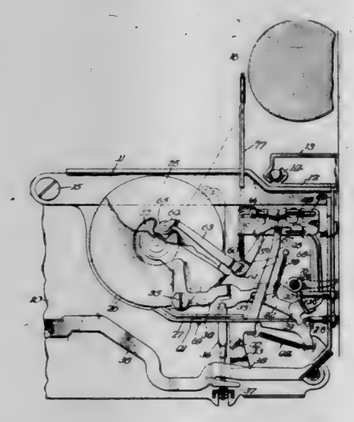
1,561,540. RIBBON-FEED MECHANISM. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Aug. 25, 1921. Serial No. 495,332. 8 Claims. (Cl. 197—151.)



1. In a compactible typewriter, a main frame, a platen carriage frame pivotally mounted thereon for movement into and out of operating position, a ribbon guide on said main frame arranged to project into position to guide a ribbon adjacent said platen, said guide being foldable into compacted position, and means for automatically moving said guide into operating position when said platen carirage frame is moved into its operating position.

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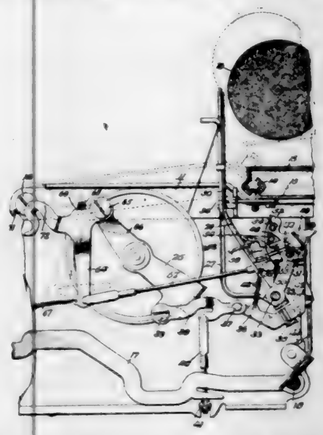
1,561,541. RIBBON VIBRATOR FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Sept. 1, 1921. Serial No. 497,647. 27 Claims. (Cl. 197—154.)

1. In a compactible typewriter, a main frame having a platen carriage frame movably mounted thereon, a ribbon vibrator support foldably mounted on said main frame for movement into a compacted position, a ribbon vibrator on said support, key levers on said main frame, and an operative means connecting said key levers with



said vibrator, said vibrator when folded being automatically movable by the folding movement of said vibrator support out of engagement with said operative connection.

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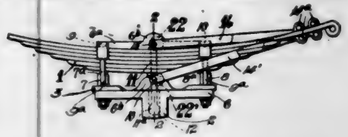
1,561,542. SUSPENSION FOR VEHICLES. MAURICE HOUDAILLE, Levallois-Perret, France. Filed July 13, 1923. Serial No. 651,380. 1 Claim. (Cl. 267—36.)



In a suspension for vehicles, an axle member and a chassis member, a leaf spring, a lower supporting plate for said spring arranged on the axle, semi-cylindrical projections on the plate contacting at spaced points with the underside of the spring, upper semi-cylindrical projections bearing at spaced points on the top of the spring, cams in contact with the upper face and the lower face of the spring, shafts on which cams are secured, bearings fixed relatively to the said axle member and supporting said shafts, and levers fixed to said shafts, said levers being arranged to automatically rotate when the chassis member and axle are subjected to relative displacements, for turning said cams.

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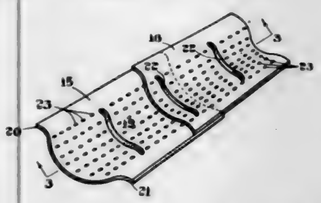
1,561,543. ADJUSTABLE GRATE. JARVIS L. HOULT, Montreal, Quebec, Canada. Filed Dec. 9, 1924. Serial No. 754,824. 3 Claims. (Cl. 126—153.)



1. The combination with a stove or range of an auxiliary grate comprising two perforated plates bent in their lateral direction to form an arc, and means formed in the lateral direction of the plates to align



one plate with the other when they are placed in overlapping engagement with each other, the longitudinal edges of said plates being adapted to engage with the upper edges of the walls of the fire-pot of the stove.

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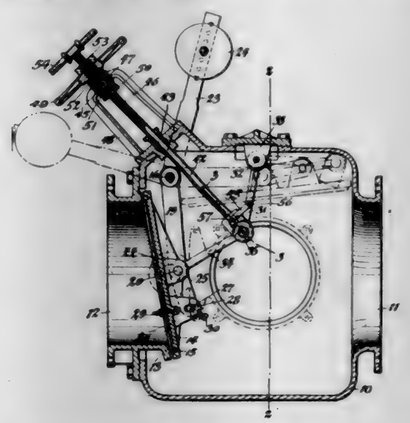
1,561,544. VALVE-OPERATING MECHANISM. HARLAN W. HOW, Buffalo, N. Y., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y., a Corporation of New York. Filed Jan. 14, 1924. Serial No. 686,239. 10 Claims. (Cl. 251—10.)



4. A valve comprising an enclosing casing having a valve seat, a valve disk movable toward and from said seat, and means for operating said valve disk comprising an operating arm pivotally mounted at one end on said casing and pivotally connected at its opposite end with said valve disk, a pair of toggle links having their proximate ends pivotally connected and their opposite ends pivotally connected with the valve disk and casing, respectively, and means for actuating said operating arm for moving said links into a folded or unfolded position.

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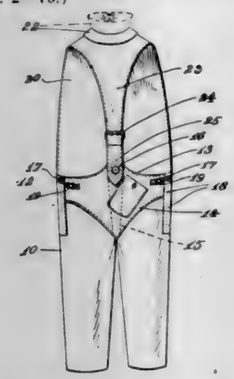
1,561,545. GARMENT. JOHAN E. JOHANNESEN, Brooklyn, N. Y., assignor of one-fourth to John A. Johansen and three-sixteenths to Arthur I. Ahlgren, both of Brooklyn, N. Y. Filed Sept. 15, 1923. Serial No. 662,886. 1 Claim. (Cl. 2—79.)



A slip over garment of the character described comprising a lower garment portion, a flap arranged on the rear thereof and buttonable to the front of the lower garment at the forward edges thereof and being adjustably associated therewith, a reinforcement secured at its edges to the seat portion of the flap and the lower garment portion respectively, an elongated seam reinforcement associated with the reinforcement last mentioned, a button fixed to the upper central edge of the seam reinforcement, a shirt like upper garment portion integrally formed with the front of the lower garment, a tapered rear part depending from the upper end of the shirt like portion and having a reinforced button hole in its lower end to receive the button and a means for adjusting the length of the tapered depending portion as and for the purpose specified.

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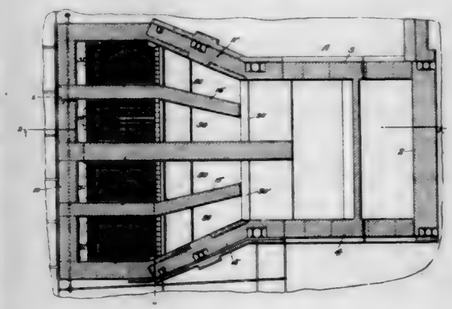
1,561,546. STEAM-GENERATING PLANT. JAMES E. KENNEDY, Bacolod, P. I. Filed Oct. 13, 1924. Serial No. 743,780. 4 Claims. (Cl. 110—7.)



1. A steam generating plant employing bagasse or similar fuel, comprising a boiler section having a boiler therein, and a furnace section of greater width than the boiler section and connected therewith by converging side walls, said furnace section including two pairs of grate and combustion chambers divided by a longitudinal wall and having arched crowns, an arched fire bridge extending substantially from the grate chambers to the discharge ends of the combustion chambers, the dividing wall between the pairs of chambers extending longitudinally throughout the length of the furnace section and the dividing walls between the chambers of each pair terminating approximately at the highest point of the bridge wall.

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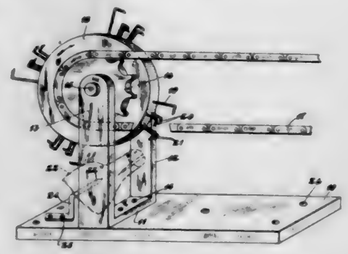
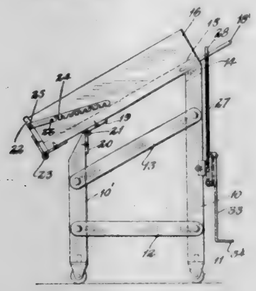
1,561,547. HOG'S-HEAD CUTTER. ARCHIP KARPENKO, New York, N. Y. Filed Mar. 5, 1925. Serial No. 13,156. 4 Claims. (Cl. 17—1.)



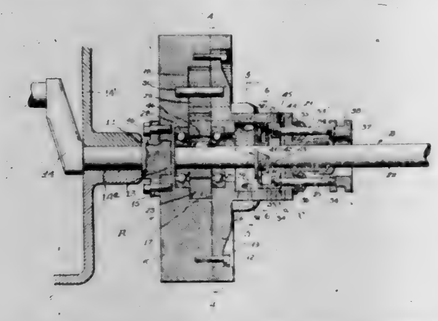
1. A tool for tearing hog heads apart comprising a base, a drum, a means for rotating said drum, a tool on said drum for removing the meat, a tool for removing the skin, and a tool for breaking the jaw bones on said drum, and a means for exposing a hog's head to the action of the said tools.

1,561,548. HOG CARRIER. ARCHIP KARPENKO, New York, N. Y. Filed Mar. 5, 1925. Serial No. 13,157. 2 Claims. (Cl. 280—44.)



1. Hog-carrier comprising a wheeled frame, an inclined trough hingedly secured intermediate its ends to said frame, a movable and adjustable end wall for said trough, a means for locking the end wall in any of its adjusted positions to said trough, an inclined rod secured at the upper end of said trough, an operating rod having a forked upper end engaging said inclined rod, and foot operated means for operating said operating rod to lift said trough to any desired angle.

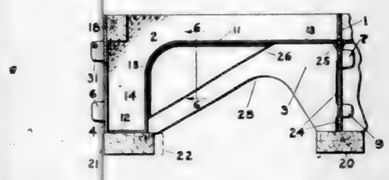
1,561,549. HYDRAULIC CLUTCH. SELMER A. KRAFT, St. Paul, Minn. Filed Feb. 11, 1922. Serial No. 535,904. 4 Claims. (Cl. 192—61.)



1. In a clutch, a rotary driving member including a body having an axial and radially arranged gear receiving compartments therein, also an axial fluid chamber, a driven shaft journaled in said body and passing axially through said fluid chamber, a gear fixed to said shaft and fitted within said axial compartment, planetary gears journaled in said body within said radial compartments and meshing with said axial gear, passage-ways leading from and returning to said fluid chamber, each passage-way being intercepted by a planetary gear and the adjacent meshing portion of said axial gear, a piston slidable in said chamber and adapted to simultaneously obstruct said passage-ways and a valve member associated with said piston to retard the movement thereof in a direction to obstruct said passage-ways, said member being slidably and revolubly mounted on said shaft.

1,561,550. MOLD FOR MAKING LUG STONES. ROSCOE F. LEE, Indianapolis, Ind. Filed Dec. 15, 1924. Serial No. 755,983. 6 Claims. (Cl. 25—121.)

1. A mold for concrete blocks, having a floor which corresponds to the normally inner surface of said blocks; end plates for forming the end surfaces of said blocks, having slots therein; side plates for forming the normally upper and lower surfaces of said blocks, having beak hooks which engage said slots in "bedstead" manner

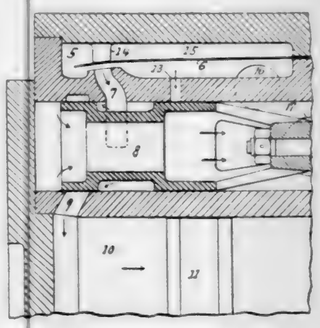


whereby the lowering of said end plates degage same from said side plates; and removable means for preventing the lowering of said end plates.

1,561,551. SPRING ROLLER FOR SUN VISORS. ATLEE J. LEWIS, Mansfield, Ohio. Filed June 19, 1922. Serial No. 569,227. 1 Claim. (Cl. 156—36.)

In a device of the class described, a tubular casing having a longitudinal slot, a combined spring-anchor and bearing, of U-shape, located within the casing and including an end plate and arms projecting from the end plate, the arms having trough-shaped extensions fitting closely in the casing and spaced to register with the slot, for the reception of a curtain, a securing element connecting one extension with the casing, a cap about the casing and retaining the securing element, a cap having an inwardly extended flange, a shaft journaled in the end plate and having an enlarged head journaled between the end of the casing and the flange and a spring disposed about the shaft and located within the anchor, one end of the spring being connected to the head, and the other end of the spring being connected to one arm of the anchor.

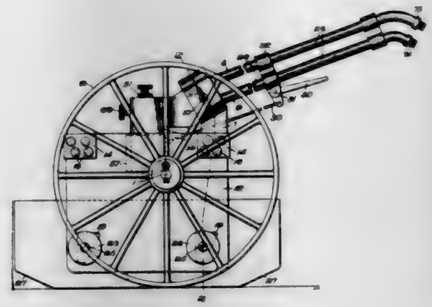
1,561,552. INLET CONTROL FOR RECIPROCATING ENGINES. KURT LIGNIEZ, Mannheim, Germany. Filed Oct. 10, 1923. Serial No. 667,611. 2 Claims. (Cl. 121—145.)



1. An inlet control for reciprocating engines comprising a chest with a steam inlet, a chamber provided with a slide valve, an inlet port in the steam chest communicating with the chamber, a cut-off plate arranged in the steam chest to normally open the inlet port, and a relief port located in the wall of the slide valve chamber leading from the steam chest into the chamber opened by the side valve when the inlet is closed so as to relieve the pressure on the plate to open the port.

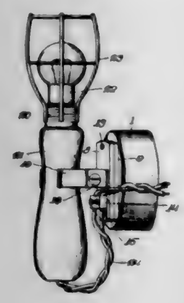


1,561,553. PNEUMATIC HIGHWAY MARKER. PHILIP K. LINDSAY, Somerville, Mass., assignor to Spray Painting & Finishing Equipment Sales Co., a Corporation of Massachusetts. Filed Nov. 30, 1921. Serial No. 518,979. 15 Claims. (Cl. 91—45.)



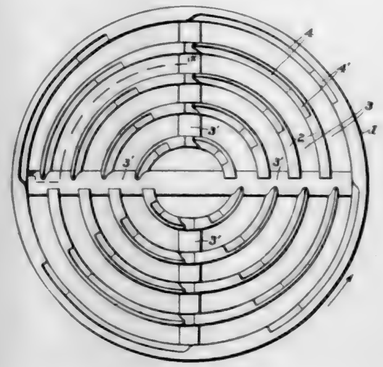
1. A highway marker comprising in combination, a wheeled support, a housing mounted thereon, and having a mark-defining portion yieldable substantially vertically, spraying means carried by the parts, and means to supply coating material under pressure and a motive agent to the spraying means.

1,561,554. MAGNETIC FIXTURE. FREDERICK B. LITTLE, Chicago, Ill. Filed Sept. 2, 1921. Serial No. 498,120. 3 Claims. (Cl. 173—341.)



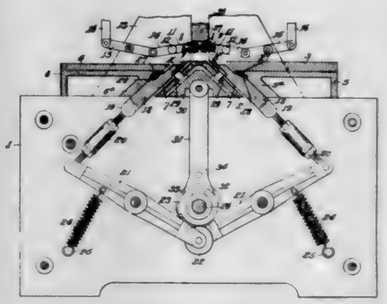
1. A magnetic structure for supporting an electric hand lamp comprising a magnetic shell; a magnetizing coil therein; a hand lamp having a handle; a clip on the shell to clasp and hold the handle; a duplex cord wire for connecting the lamp to a source of current supply; sharp pointed terminals for the magnetizing coil mounted on said shell and adapted to pierce the insulation of the duplex wire for connecting said coil and lamp in parallel circuit and a clamp member having hollow projections overlying said pointed terminals.

1,561,555. EMERY WHEEL. DANIEL FREDERICK MCGOVERN, Montpelier, Vt. Filed July 22, 1924. Serial No. 727,558. 2 Claims. (Cl. 51—209.)



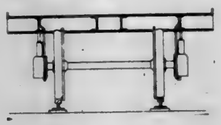
1. An abrasive wheel having on its working face a plurality of spaced flanges, the space between said flanges constituting abrasive feed channels, said flanges having an abrasive lead extending from their forward ends opening inwardly into said feed channels, the rear walls of said leads being rearwardly beveled.

1,561,556. MACHINE FOR FORMING SHEET-METAL LATH. JOSEPH R. MCMAHON, Glendale, W. Va., assignor of one-fourth to himself, one-fourth to J. T. McMahon, one-fourth to R. A. McMahon, and one-fourth to C. P. McMahon, all of Glendale, W. Va. Filed Mar. 10, 1923. Serial No. 624,114. 11 Claims. (Cl. 153—25.)



1. A machine for forming sheet-metal lath having dovetail channels therein, comprising upper and lower sets of dies, the upper dies being reciprocable into and out of seated relation to a sheet interposed between said sets and having rabbets presenting outwardly facing acute angles, and the lower dies being movable in upwardly and inwardly inclined directions into cooperative relation to said upper dies for pressing the metal of the sheet into said angles, means for automatically actuating said dies at definitely spaced intervals, and means for intermittently advancing the sheet.

1,561,557. CONSTRUCTION OF RAILROADS AND TRAMWAYS. GOTTFRIED H. J. MAAS, Berlin-Steglitz, Germany. Filed Sept. 19, 1923. Serial No. 663,624. 2 Claims. (Cl. 238—15.)

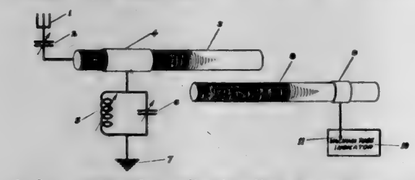


1. In a railroad and tramway for curves, rails having their tread surfaces inclined downward toward the center of the curves, in parallel planes, in combination with rolling stock with wheels having convex tire surfaces bearing on said tread surfaces.

1,561,558. COMBINED MOLD AND SCOOP. JOHN MANOS, Toronto, Ohio, assignor of one-fifth to J. E. Parker, Toronto, Ohio. Filed Mar. 3, 1925. Serial No. 12,812. 2 Claims. (Cl. 107—48.)

1. An ice cream scoop comprising a tubular casing, means reciprocable within the casing for expelling the contents of the latter, a longitudinally slotted handle attached to said casing, said casing having therein a slot in communication with the slot of said handle, a lever disposed in the handle slot and having pivotal connection with said expelling means, said lever being pivoted to said handle adjacent to the rear end of said slot and having a gear segment on the rear end thereof, a pivoted member having a gear segment operatively engaged with that of said lever, and a spring associated with said member serving to maintain the latter in outwardly thrust relation to said handle.

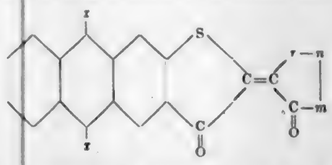
1,561,559. ELECTRICAL SIGNALING. JOSEPH O. MAUBORGNE, LOUIS COHEN, and GUY HILL, Washington, D. C. Filed Apr. 8, 1921. Serial No. 459,530. 5 Claims. (Cl. 250—20.)



1. In a system for radio signaling, an antenna, a wave coil adapted for the production of wave development effect thereon by signal energy, and operatively associated with said antenna, means for transferring said signal wave energy through an electrostatic coupling to another wave coil which is operatively associated with a detecting instrument.

1,561,560. INDIGOID DYESTUFFS. BERTRAM MAYER, Basel, and JAKOB WÜRGLER, Neuewelt, near Basel, Switzerland, assignors to The Society of Chemical Industry in Basle, Basel, Switzerland. Filed Jan. 4, 1924. Serial No. 684,449. 7 Claims. (Cl. 260—53.)

1. As new products of manufacture the herein described new indigoid dyestuffs of the general formula:

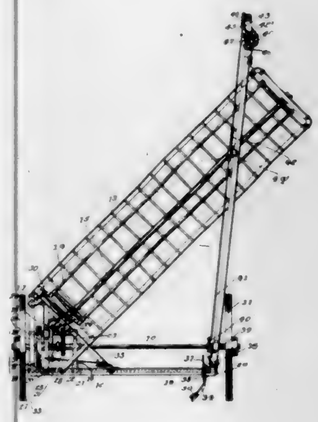


wherein *x* represents a hydrogen atom or an oxygen atom, and *r*, *n* and *m* atoms of which two are carbon atoms adjacent to each other which at the same time appertain to an aromatic ring system, and of which the third is NH—, —S— or C, which products form red to green and green-black powders soluble in concentrated sulphuric acid to orange-red to green and brown solutions, yielding with hydrosulphite and caustic soda solution orange-brown to green vats which dye cotton fast blue-red to green and grey tints.

1,561,561. PIPE-MOLD COATINGS. DANIEL H. MELOCHE, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Feb. 24, 1925. Serial No. 11,369. 4 Claims. (Cl. 22—192.)

1. The method of protecting a rotating cylindrical mold, consisting in first sand blasting the wall of the mold, then heating the mold well above the boiling point of water, then brushing the roughened and heated surface with a wash containing a little sodium silicate in solution and a considerable quantity of fire clay in suspension.

1,561,562. COMBINED RAKE AND TEDDER. EDWARD MOWRY, Sterling, and Norman E. Bunting, Chicago, Ill., assignors, by mesne assignments, to International Harvester Company, a Corporation of New Jersey. Filed July 29, 1918. Serial No. 247,322. 3 Claims. (Cl. 56—377.)

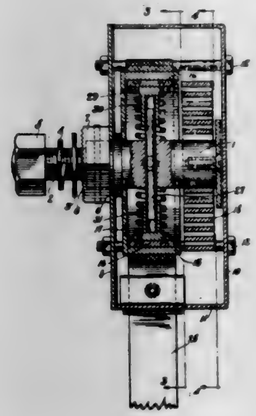


1. In a hay rake, the combination of a frame, raking means supported on the frame, an axle having carrying wheels, a pair of levers pivoted at one end to the frame and midway of their ends to the axle, a rock shaft on



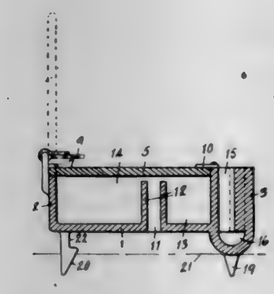
the frame, and cooperating means on said rock shaft and the other ends of said levers adapted to be actuated for bodily and vertically adjusting the frame and raking means with respect to said axle.

1,561,563. SNUBBER. HARRY O. NINE and RAYMOND A. KNIGHT, Canton, Ohio. Filed June 6, 1925. Serial No. 35,343. 4 Claims. (Cl. 267—10.)



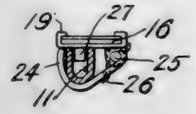
1. A snubber for vehicles including a stationary stud, a drum rotatably mounted upon the stud and having an inner cam surface, friction shoes for engagement with said cam surface of the drum, a casing surrounding said drum and friction shoes, a spring for rotating the drum in one direction, a belt wound upon the drum for rotating the drum in the opposite direction, and means within the casing for continuously supplying lubricant to the friction surfaces of the drum.

1,561,564. COMBINATION KNAPSACK, SHIELD, AND GUN REST. EPTHIMIOS NIZAMIS, Kalamazoo, Mich. Filed June 29, 1925. Serial No. 40,290. 8 Claims. (Cl. 224—9.)



8. A structure of the class described comprising a metal receptacle adapted as a knapsack and having a wall constituting a cover, and an outer wall having a ventilating slot therein with inwardly projecting flanges in the edges of the slot constituting partitions.

1,561,565. IDENTIFICATION NAME PLATE FOR UMBRELLAS. ALBERT PEYIBIL, 2d, New York, N. Y. Filed Jan. 19, 1921. Serial No. 438,316. Renewed Apr. 13, 1925. 5 Claims. (Cl. 40—10.)

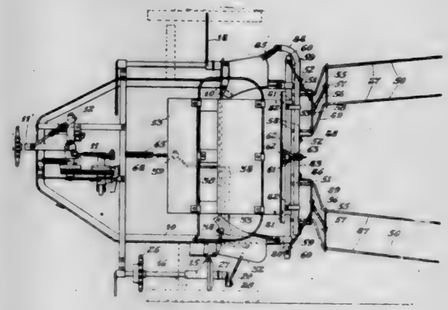



1. The combination with a channel brace or stay of an umbrella, of an elongated card holder comprising a slideway for a card and a fin or rib on said holder for engagement within the channel of the brace.

1,561,566. TUNING PEG FOR STRINGED MUSICAL INSTRUMENTS. BERTRAM THOMAS PURDY, Brockley, England. Filed July 20, 1923. Serial No. 652,666. 2 Claims. (Cl. 84—306.)

1. A tuning peg for stringed instruments, comprising a tapered three part shank and an enlarged head integral with one part of said shank, a spindle mounted for rotation in two of said shank parts, the remaining part being secured to said spindle for rotation therewith, manually operable means carried by said head, and means between said manually operable means and spindle for rotating the latter.

1,561,567. GRAIN SHOCKER. CLEMMA R. RANEY, Chicago, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed June 22, 1923. Serial No. 647,065. 12 Claims. (Cl. 56—429.)



1. A shocking machine comprising a frame, a shock discharging mechanism carried thereby, a butt spreading mechanism pivotally mounted on said shock discharging

mechanism, and means for actuating said butt spreading mechanism from a position forwardly of its pivot to a position laterally of its pivot.

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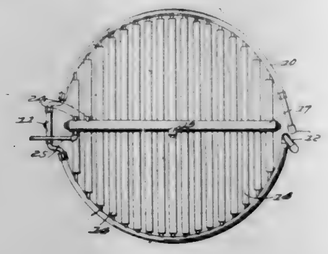
1,561,568. WATER-TUBE BOILER. JOHN A. RINGLEY, Parker, S. Dak. Filed Sept. 29, 1922. Serial No. 591,237. 1 Claim. (Cl. 122—349.)



A flash boiler comprising an annular base header, a plurality of parallel sections each consisting of upper and lower headers and upright generating tubes connecting the same, the lower headers gradually diminishing in length in opposite directions from a diametral line on the base header and disposed in the plane of the base header and being terminally connected to the same, the upper headers being of diminishing lengths corresponding to the lower headers and having their ends free and unattached, the base header having diametrically opposed water supply connection and blow-offs, a steam header arranged in diametrically spanning relation with respect to the base header and at right angles to the upper headers and in communication with said last named headers at intermediate points in their lengths, and a steam delivery pipe connected to said steam header.

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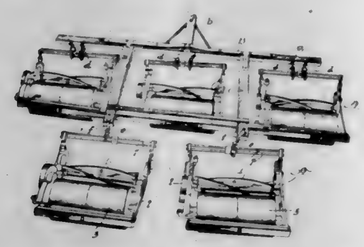
1,561,569. POWER MOWER. JOSEPH A. ROSEMAN, Evanston, Ill. Filed Apr. 15, 1922. Serial No. 553,175. 6 Claims. (Cl. 56—249.)



1. In a mower of the character described, the combination of a carriage comprising side frame members, a rotary cutter journalled in said side frame members, a transverse frame member extending parallel with and adjacent to said cutter, a shoe mounted on said transverse frame member, means at the ends and intermediate the ends of said shoe for adjusting the same relative to said frame member and cutter, and a knife fixed to said shoe.

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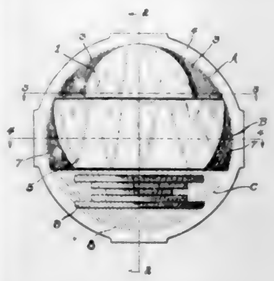
1,561,570. AUTOMOBILE LENS. HARRY M. SARDONELL. Detroit, Mich. Filed Feb. 28, 1925. Serial No. 12,239. 1 Claim. (Cl. 240—48.4.)

A lens having three integral sections, a plurality of transverse prisms on one section whose front faces are arranged to retract downwardly all rays passing therethrough and whose under faces are disposed substantially perpendicular to the plane of the lens, there being grooves on the opposite face of said section arranged to refract the rays in lateral diverging directions, another section having an outwardly and downwardly inclined projecting flat portion, and inwardly curved integral side portions



on opposite sides of said projecting portion, said flat portion and inwardly curved portions being colored and rendered translucent, and the third section having an outwardly inclined projecting portion and a flat transverse bottom portion, the opposite face thereof being hollow and conforming to the shape of the projecting portion, and integral outwardly and inwardly curved side portions on said projecting portion.

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1,561,571. PLASTIC FIRE BRICK. WILLIAM A. L. SCHAEFER, Chicago, Ill., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 9, 1919. Serial No. 288,745. 2 Claims. (Cl. 106—10.)

1. A plastic fire-brick comprising a clay rich in alumina apportioned into raw and calcined parts in the proportion of nine and two mixed together and with ground burner fire-brick in the proportion of eleven and eighteen.

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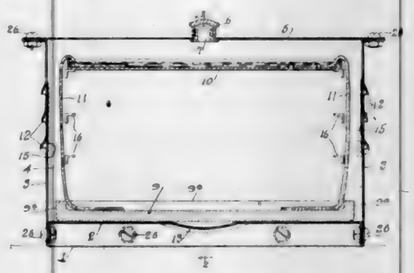
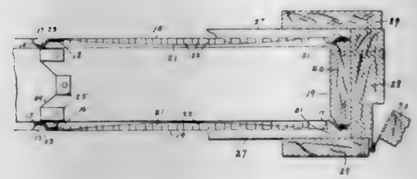
1,561,572. ICELESS REFRIGERATOR. ELISHA H. SCOTT, Richmond, Ind. Filed July 21, 1924. Serial No. 727,360. 2 Claims. (Cl. 45—71.)



1. In an iceless refrigerator, the combination with a compartment formed of enclosing walls, some of said walls having louvres for the admission of air drafts, of a water container near the top, an absorbent basin near the bottom, and wicks extending from the container to the basin and adapted to deliver attenuated supplies of water to the basin, such water supply and basin being adapted to give off evaporation.



1,561,573. BUILDING CONSTRUCTION. HENRY COLLIER SMITH, St. Marys, Ohio. Filed Mar. 29, 1924. Serial No. 702,739. 10 Claims. (Cl. 72—48.)



1. In a building construction, a wall embodying two parallel vertical sets of sheet metal plates to form vertical surfaces, the plates of each set extending the height of the wall and having its vertical edges bent to constitute hooks, and upright spacing members extending across between the two sets of sheets and having their vertical edges in the form of hooks which inter-engage with the hooks of two adjacent sheets of each surface.

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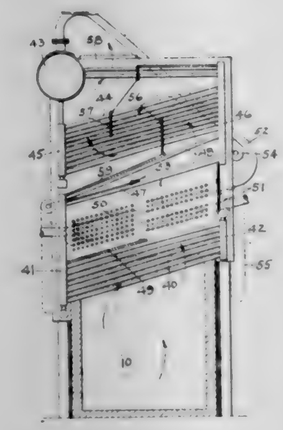
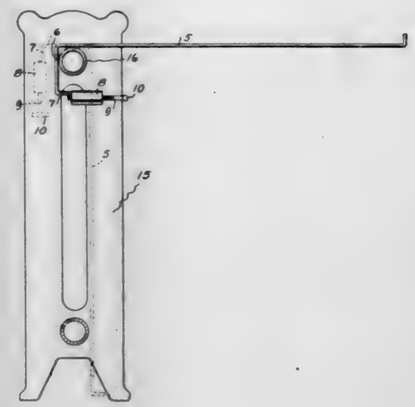
1,561,574. STEAM BOILER. ARTHUR SPYER, London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Feb. 14, 1925. Serial No. 9,069. 6 Claims. (Cl. 122—476.)



1. A steam boiler having banks of water tubes, said banks being spaced apart to form a superheater chamber therebetween, fixed baffles to direct the furnace gases from one end of one bank across such space into the other bank, a pair of heating devices in said space, a movable baffle in said space and movable into either one of two extreme positions, said movable baffle in one extreme position being interposed in the path of the gases normally flowing across said space and across one of said heating devices, and in the other extreme position being positioned to direct all of the gases first across all of one of said heating devices and then across all of the other of said heating devices, and means to move said movable baffle.

1,561,575. CLOTHES-DRYING RACK. PETER J. SWANSON, Seattle, Wash. Filed May 21, 1925. Serial No. 31,753. 5 Claims. (Cl. 34—26.)



4. In a clothes drying rack of the class described, a substantially U shaped member, holding means having threaded engagement with one end of said U shaped member and a wooden bar arranged for telescopic connection with the other end of said U shaped member.

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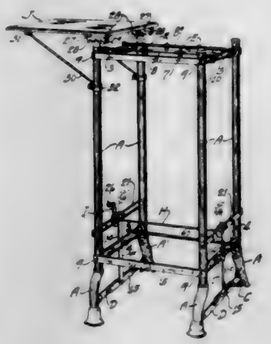
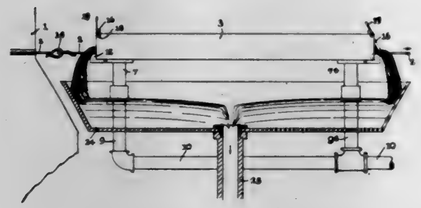
1,561,576. STAND. HIERO G. TIFFANY, St. Louis, Mo., assignor to Tiffany Adjustable Stand Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 2, 1922. Serial No. 591,937. 5 Claims. (Cl. 280—44.)



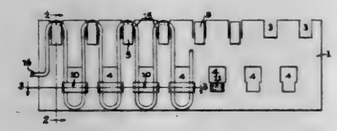
1. A stand, comprising legs provided with vertically-movable members that effect the raising and lowering of the stand, rockable actuating devices, for moving said members, a pair of vertically-reciprocating operating bars arranged at opposite sides of the stand and each combined with a pair of said actuating devices, a horizontally-disposed operating shaft, arranged transversely of the stand and gears combined with said shaft and arranged in mesh with racks on the edges of said operating bars.

1,561,577. QUENCHING DEVICE. OSCAR C. TRAUTMAN, Lakewood, Ohio. Filed Apr. 2, 1924. Serial No. 703,648. 11 Claims. (Cl. 266—3.)



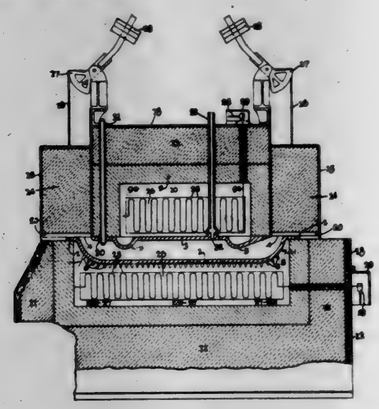
1. A quenching bath for the purpose described comprising a substantially horizontal trough, means for delivering cold quenching liquid continuously thereto, and means at the receiving end of said trough for producing a deep and unbroken outflow of such liquid with a minimum initial velocity along a horizontal component.

1,561,578. ELECTRIC HEATING ELEMENT. OSCAR C. TRAUTMAN, Lakewood, Ohio. Filed Apr. 2, 1924. Serial No. 703,649. 12 Claims. (Cl. 204—64.)



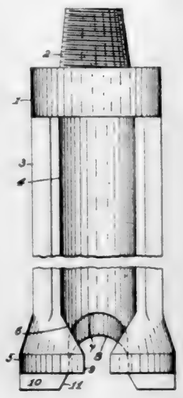
1. A resistor support comprising a refractory plate having slots, and blocks of refractory material having slots to interfit with said first slots in dovetailed relation and heads to receive the resistors.

1,561,579. METHOD AND APPARATUS FOR HEATING WIRE. OSCAR C. TRAUTMAN, Lakewood, Ohio. Filed Apr. 2, 1924. Serial No. 703,650. 3 Claims. (Cl. 148—15.)



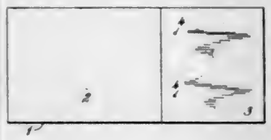
1. The method of heat treating wire which contains the step of drawing the same through a mass of molten metal electrically heated by radiation while protecting such mass from loss of heat by convection.

1,561,580. DRILL BIT. GEORGE R. WATSON, Waterloo, Iowa, assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Filed June 19, 1924. Serial No. 720,975. 3 Claims. (Cl. 255—63.)



1. A drill-bit having a flat crushing-face, and having side grooves terminating above said crushing-face in an arcuate anticlinal ridge, and said crushing-face having anticlinal ridges extending across it.

1,561,581. ROOFING SHINGLE. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Co., a Corporation of New Jersey. Filed Apr. 8, 1924. Serial No. 704,962. 4 Claims. (Cl. 108—8.)



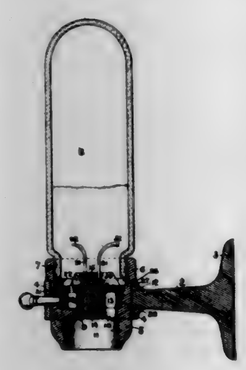
1. A roofing shingle adapted with similar shingles to be laid in overlapping courses having a substantially uniform lap, each comprising a flexible waterproof backing and a slate sheet facing adhering to the backing in registration with an end and the adjacent sides thereof, the slate sheet being of a length, measured longitudinally of the shingle, greater than the depth to which the shingle is intended to be exposed when laid, and the backing being of a length greater than three times said depth of exposure.

1,561,582. DISPENSING DEVICE. WENDELL P. ANTHONY, Ridley Park, Pa., assignor to The Mynol Chemical Company, a Corporation of Delaware. Filed Aug. 15, 1923. Serial No. 657,487. 8 Claims. (Cl. 221—108.)

1. In a dispensing device, the combination of a tubular body having a transverse floor provided with an aperture and an annular shoulder at a higher elevation than the floor and also having a transverse handle slot opening through the wall of the body, a disk detachably fitted into the tubular body and resting upon the shoulder

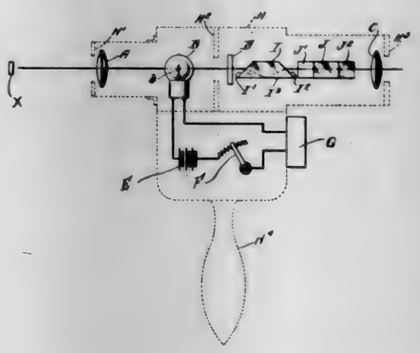


at a distance above the floor and provided with an aperture out of alinement with the aperture in the floor, a disk shaped distributor arranged between the floor and the underside of the disk and provided with an aperture, said distributor journaled for oscillation whereby its aperture may be alternately brought into alinement with the aperture in the disk and the aperture in the



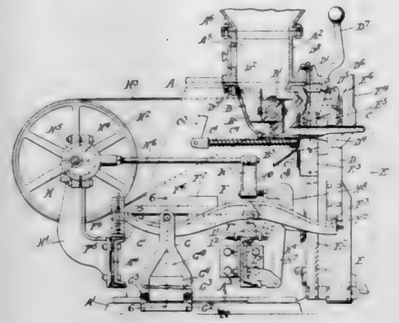
floor, a handle secured to the distributor and projecting through a slot in the side of the body with freedom of movement within definite limitation for operating the distributor and for holding it in position under the disk within the body, and a container secured to the body above but out of contact with the disk for supplying materials to be dispensed therethrough.

1,561,583. OPTICAL PYROMETER. FRANCIS EDWIN BASH, Morristown, N. J., assignor to Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 13, 1923. Serial No. 680,383. 2 Claims. (Cl. 88—14.)



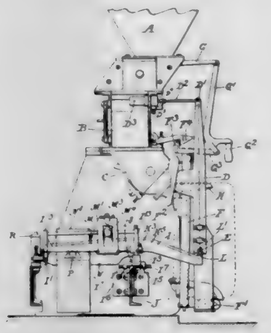
1. In an optical pyrometer comprising a lamp of regulable intensity, an object lens for forming a real image of an object under observation in the plane of the lamp, and an ocular lens through which said image and the lamp are visible, the improvement which consists in optical means cooperating with the said lenses to make the object appear to the observer with its parts in the non-inverted positions.

1,561,584. PLASTER MACHINE. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed May 26, 1920. Serial No. 384,380. 42 Claims. (Cl. 249—60.)



1. In a bag filling machine, a propeller pocket having a discharge throat, a filling tube mounted for movement into and out of register with the throat and a dust guard surrounding and mounted for movement with the tube.

1,561,585. PACKER. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed May 26, 1922. Serial No. 563,932. 22 Claims. (Cl. 265—49.)

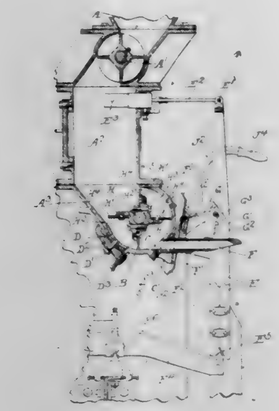


1. In a scale mechanism, a main frame, a supporting member mounted upon said frame, and a scale beam pivotally mounted upon said member, said member forming the sole support of said beam and being horizontally adjustable, with relation to said main frame, both axially and radially of said pivotal mounting.

1,561,586. CEMENT PACKER. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed May 26, 1922. Serial No. 563,933. 4 Claims. (Cl. 226—48.)

1. In a bag filling mechanism, a material impeller mounted about a rotary shaft and comprising a central hub provided with a plurality of laterally extending arms each having a longitudinal groove, in combination with a plurality of blades each provided with a longitudinal corrugation adapted to lie within one of such grooves, and a single bolt passing through each corrugation into the arm and fixing the blade in position.

4. In a material supply system, a rotary impeller and a casing therefor having a removable segment, means for adjustably securing said segment upon said casing, said means including an arm removably attached to the



outside of said casing and provided with a set screw whereby said detachable side may be vertically adjusted, and a removable lining within a part of said casing, said lining being held in position by the main holding means for such removable arm.

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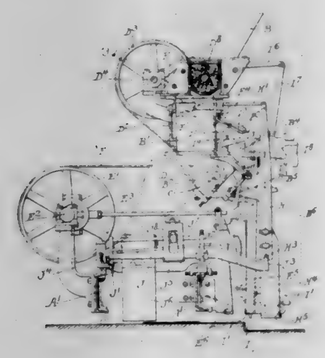
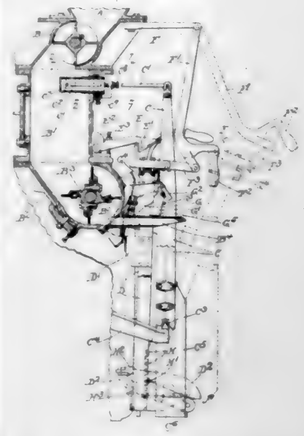
1,561,587. JIGGING DEVICE FOR BAG-FILLING MACHINES. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed June 2, 1922. Serial No. 565,352. 2 Claims. (Cl. 226—53.)



1. In a bag filling machine, apparatus adapted to suspend and fill a bag, a substantially horizontal rod, means to reciprocate the rod, a jigging foot attached to one end of the rod in position to contact a bag in filling position, and a rocker bar mounted upon a fixed pivot beneath the jigger foot and pivoted at its upper end to the jigger foot at a point above the bag contacting surface of the foot.

1,561,588. CEMENT PACKER. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed June 24, 1922. Serial No. 570,666. 6 Claims. (Cl. 226—48.)



1. In a bag filling machine, a bag support mounted upon weighing means and adapted to support a bag in filling position, said support including means to remove a filled bag, a handle supported independently of the weighing means, and a link connecting the handle to the bag removing means.

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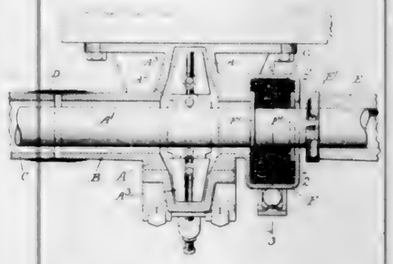
1,561,589. DUSTPROOF SHAFT CASING. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed May 26, 1922. Serial No. 563,934. 4 Claims. (Cl. 64—12.)



2. A plurality of casings enclosing apparatus for operating on dusty materials, a common operating shaft extending loosely through roughly aligned openings in said casings, substantially dust-proof joints between the adjoining casings, and dust retaining packing surrounding the shaft at the outer sides of the end casings.

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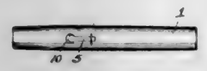
1,561,590. FOUNTAIN PEN. ANDREAS BIENENSTEIN, Toledo, Ohio, assignor to The Conklin Pen Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 25, 1924. Serial No. 694,824. 7 Claims. (Cl. 120—46.)

1. In a fountain pen, a barrel having an opening in a side thereof, a sleeve mounted in the barrel and having a longitudinally extending opening in register with the barrel opening, and a cross slot transverse to the barrel opening, a compressor bar operating lever mounted for swinging movements in the barrel and sleeve openings.



and a fulcrum member for the lever disposed within the barrel bore and within said cross slot and held in position within the barrel by the sleeve.

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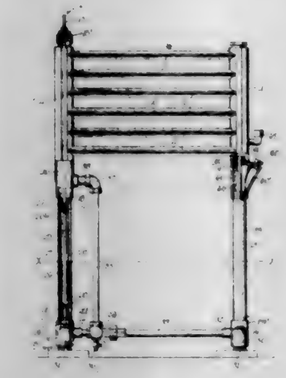
1,561,591. COMBINED RADIATOR AND BOILER. LOUIS G. BOSTEDO, Oak Park, Ill. Filed July 12, 1924. Serial No. 725,592. 9 Claims. (Cl. 219—38.)



4. In a combined radiator and boiler, the combination with a tubular heat radiating structure, of an electric steam generator including a water electrode underlying and supporting said heat radiating structure and supplying steam to one end of the latter, and a pipe for returning condensed steam from the opposite end of said heat radiating structure to said boiler; said elements unitedly constituting an independent heat generating and radiating unit.

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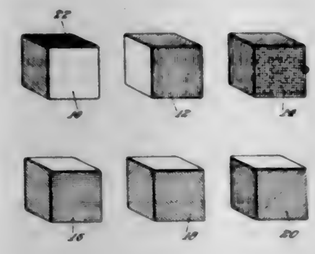
1,561,592. GAME. LEO PEYTON BOTT, Jr., Little Rock, Ark. Filed Feb. 19, 1925. Serial No. 10,259. 4 Claims. (Cl. 273—146.)



1. A game, including a plurality of dice, all but one of said dice being similar and having distinctive colors on the respective faces thereof, the odd dice having one of its faces colored with an additional distinctive color, said color being substituted for one of the original colors.





1,561,593. THERMOELECTRIC COUPLE. RICHARD P. BROWN, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 5, 1923. Serial No. 661,041. 3 Claims. (Cl. 136—29.)

1. A thermo-electric couple comprising in combination a primary couple and two extension elements thereto, one of said elements being formed of an alloy containing approximately 54% of copper, approximately 45% of nickel and from .25% to 1% of manganese.

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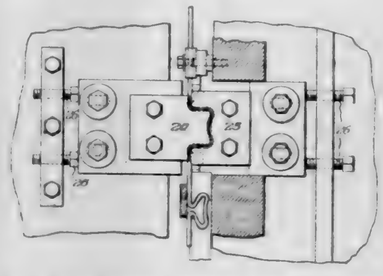
1,561,594. AUTOMATIC WIRE MACHINE. JAMES A. CIVIS and ELMER J. GOVANUS, Chicago, Ill., assignor to Titchener-Diehl Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 7, 1923. Serial No. 673,290. 9 Claims. (Cl. 140—102.)



4. In a wire shaping machine, the combination of means for laterally deflecting a portion of wire, both ends of the wire being relatively free during the deflecting operation, a templet normally out of the path of travel of said wire and adapted to be projected into the space within said deflected portion, and means for shaping said deflected portion about said templet.

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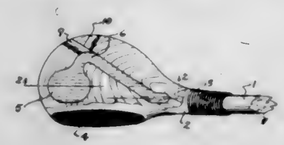
1,561,595. GOLF CLUB. THOMAS JAMES DAVIS, Brooklyn, N. Y. Filed Dec. 29, 1923. Serial No. 683,412. 3 Claims. (Cl. 273—77.)



3. A head for golf clubs provided with a channel, a portion of which extends parallel with the face and a portion of which is at right angles to the face and a movable member in said channel, adapted to approach the face of the head, during the stroke, said channel being of cylindrical form and having a well of greater diameter adjacent the face.

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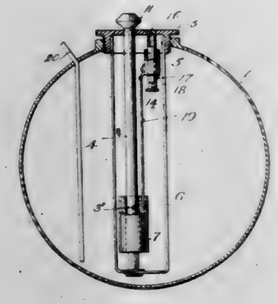
1,561,596. INDICATING DEVICE FOR FLUID TANKS. LEE DE FOREST, New York, N. Y. Filed June 13, 1919. Serial No. 304,034. 7 Claims. (Cl. 116—110.)

7. The combination with a fluid tank, and a removable cap therefor, of a hollow tube carried by said cap, and extending therethrough, said tube being of such length

that when said cup is in normal position relative to the tank, the end of the tube within the tank is out of contact with the bottom thereof, and a whistle located in said tube to be actuated by air passing therethrough,



a float slidably mounted on said tube, an auxiliary air inlet, a valve for closing said auxiliary inlet, and a connection between said valve and float for obtaining simultaneous movement thereof.

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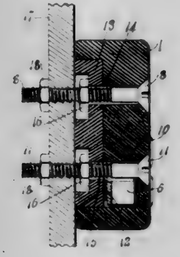
1,561,597. RADIO APPARATUS. CHARLES W. DENNY, WILLIAM E. MCLAUGHLIN, and GEORGE HELWIG, Middletown, Ohio, assignors to The Barkelew Electric Manufacturing Company, Middletown, Ohio, a Corporation of Ohio. Original application filed Aug. 13, 1923, Serial No. 657,174. Divided and this application filed June 16, 1924. Serial No. 720,186. 2 Claims. (Cl. 173—334.)



1. In a radio phone post, a cup adapted to receive phone tips, yielding means to maintain said phone tips in position, a second cup mounted in the first, adapted to maintain said yielding means in the first cup, retaining and conducting screws passing through said cups and connected to said yielding means, said screws being adapted to mount said posts on a panel, means on said screws to retain said posts on said panel, and means on said screws for maintaining said cups in engagement with one another.

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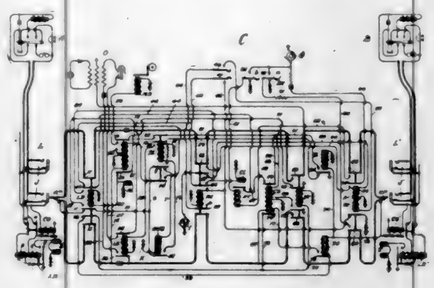
1,561,598. TELEPHONE SYSTEM. GEORGE R. EATON, Oak Park, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 31, 1921. Serial No. 526,196. 13 Claims. (Cl. 179—58.)

9. In a telephone system including a calling telephone line terminating in a plurality of operators' positions, a link circuit at each operator's position, a pair of relays individual to said link circuit, one of said relays operable when its associated link circuit is connected to said line, and the other of said pair of relays then operable providing a pair of relays in another link circuit connected



to said line has not operated, and energizing circuits of different battery voltages for said pair of relays including a contact of said pair of relays.

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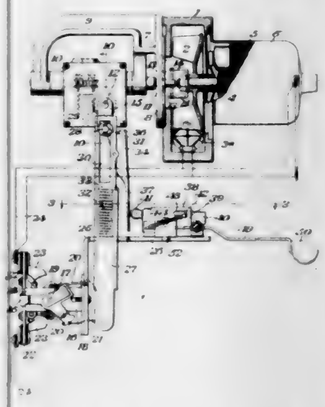
1,561,599. COIN-OPERATED RECIPROCATING TIME SWITCH. LLOYD C. EPPLER, Groton, N. Y., assignor to Airdry Corporation, Groton, N. Y., a Corporation of New York. Filed Mar. 19, 1923. Serial No. 626,111. 9 Claims. (Cl. 200—33.)



1. A time switch for an electric motor comprising a motor, a reduction gearing including a high speed shaft and a low speed shaft, means for driving the high speed shaft from the motor shaft, a rocking switch, a spring tending to move said switch to its closed position, means for locking said switch in its open position, means for releasing the said switch locking means, and a bar operated by the rotation of the low speed shaft to force the switch into its open position, said switch opening bar resetting the switch closing spring and the means for releasing the switch locking means.

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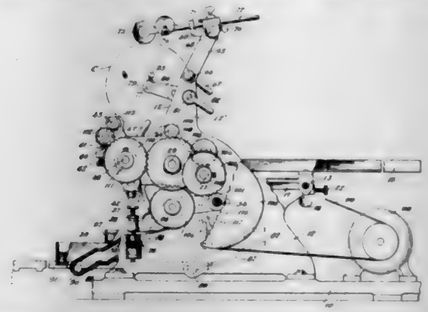
1,561,600. CAN-LABELING MACHINE. MARTIN FEYBUSCH, New York, N. Y., and PAUL W. FEEISCHER, Weehawken, N. J., assignors to New Jersey Machine Corporation, Hoboken, N. J., a Corporation of New Jersey. Filed Sept. 19, 1922. Serial No. 589,079. 11 Claims. (Cl. 216—60.)

1. A can labeling machine comprising means for feeding a label, means for applying an adhesive to said label, a pair of can-rotating rollers, and means for engaging the can from above and pressing it into firm contact with said can-rotating rollers, said means com-



prising a pair of can engaging rollers, said last-named rollers being adjustable toward and from each other and also toward and from said can-rotating rollers.

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1,561,601. CLOSURE. JOSEPH J. GANNON, St. Clair, Mich., assignor to Diamond Crystal Salt Company, St. Clair, Mich., a Corporation of Michigan. Filed June 18, 1923. Serial No. 646,185. 1 Claim. (Cl. 221—11.)

The combination with a container having a rectangular opening in the wall thereof and a projecting tongue in said opening separated by parallel slots from the adjacent side portions of the wall, of a closure for said opening having a top pivotally engaged with one end thereof and having parallel depending substantially triangular shaped side wings, pointed projections extending forwardly from said wings and adapted to engage said container to limit the upward swinging movement of said closure, the lower edges of said projections being formed by the rounded upturn of the lower edges of said wings and the upper edges of said projections being disposed at an angle to said top, and notches in the forward ends of said wings with edges parallel to the top of said closure for applying the closure to the container, the lower edge of said notches being an angled continuation of the upper edges of said projections.

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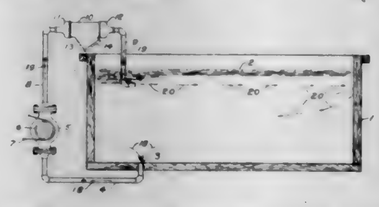
1,561,602. ELECTROPLATING APPARATUS. JULIUS M. GAUSS, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed July 4, 1923. Serial No. 649,389. 5 Claims. (Cl. 204—5.)



1. In an electro-plating apparatus, a tank containing an electro-plating solution, means comprising a centrifugal pump for continually drawing off a portion of said solution, means for driving said pump, a filter, and discharge means leading from said filter directly to said tank and terminating in a horizontal direction below the surface of said solution in said tank, said centrifugal pump causing the solution drawn from said tank to be forced through said filter and discharged into said tank to continuously agitate the solution in said tank.

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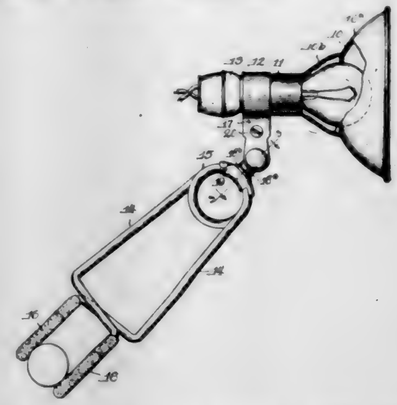
1,561,603. AUTOMOBILE LIGHT. GEORGE H. GLADE, Jr., Chicago, Ill. Filed Dec. 17, 1923. Serial No. 681,041. 6 Claims. (Cl. 248—20.)



1. In a device of the class described, a bracket adapted for supporting a lamp, a clamp adjustably engaged by said bracket and being adapted to support the same in any position of adjustment, and a single means for tightening said bracket on said lamp and said clamp.

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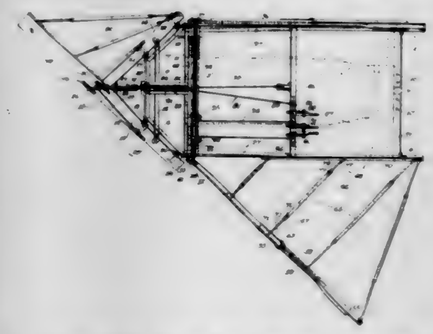
1,561,604. ROAD SPREADER OR PLOW. ALEXANDER L. GREENABAUM, Chicago, Ill., assignor to O. F. Jordan Company, East Chicago, Ind. Filed Apr. 25, 1921. Serial No. 464,126. 11 Claims. (Cl. 37—108.)



1. An apparatus of the kind described comprising in combination with the frame of a self propelled vehicle, a rectangular plow spreader frame rigid connected to and supported by said vehicle frame, a plow at the front end of said plow spreader, a front spreader wing operatively connected to the plow and extending forwardly and outwardly thereof, and means bracing said front spreader wing.

9. An apparatus of the class described embodying therein a vehicle having a frame, a plow, means separate from the vehicle frame for supporting the plow, and a toggle brace extending between the plow and its supporting means.

11. An apparatus of the class described embodying therein a vehicle having a frame, a V-shaped plow, means separate from the vehicle frame for supporting a plow, and a supporting plate arranged at the bottom of the V-shaped plow.

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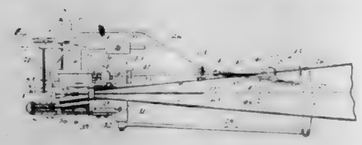
1,561,605. BEAD-SEWING MACHINE. JOSEPH A. GROEBLI, New York, N. Y. Filed July 16, 1923. Serial No. 651,770. 27 Claims. (Cl. 112—99.)



1. The combination, in a sewing machine embodying fabric feeding means, means for supplying a thread with beads loosely strung thereupon, stitch forming means, and means for producing relative movements of the beads and thread, of positively acting means for feeding the beads and thread while permitting relative movement of the beads and thread.

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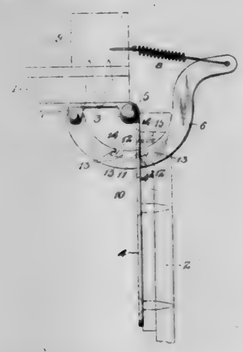
1,561,606. MEANS FOR AUTOMATICALLY LOCKING AND RETAINING OPENING CLOSURES IN AN OPEN POSITION. CORNELIUS H. HAYS, Cleveland, Ohio. Filed Sept. 27, 1924. Serial No. 740,248. 15 Claims. (Cl. 292—271.)



1. In means of the character described, the combination, for use with two supports of which one is a movable opening closure, of a rigid member adapted for pivotal attachment at one end to one of said supports; means tending to swing the free end of said member in one direction relative to said support; a second member adapted for attachment to the second support, said second member opposing said swinging means; and automatic interlocking means formed on said two members and adapted under the action of said swinging means, when said opening closure is moved, to become engaged and retain the closure in a desired position relative to the other support.

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1,561,607. EMBOSSING AND PRINTING MACHINE. GEORGE W. HEENE, Cleveland, Ohio. Filed Dec. 10, 1923. Serial No. 679,607. 21 Claims. (Cl. 197—6.4.)

1. An apparatus of the character described, including, a base, a bracket extending rearwardly and upwardly from each end of said base, a lug on the upper end of each of said brackets, a tie bar connecting both of said lugs, a table on said base to support the object to be operated upon, a type support member having one end thereof hinged to one of said lugs and the other end thereof guided in the other of said lugs, and a type

wheel mounted in said type support member intermediate the ends thereof and movable toward and away from said table.

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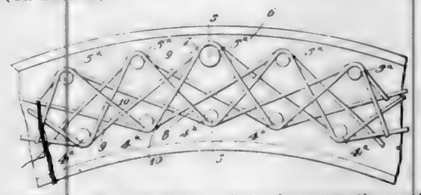
1,561,608. RESILIENT RING AND METHOD OF MAKING SAME. WILLIAM EDGAR JOHN, Philadelphia, Pa., assignor to Hall Wheel Corporation, Philadelphia, Pa. Filed Nov. 26, 1923. Serial No. 676,886. 4 Claims. (Cl. 154—2.)



1. The herein described method of constructing resilient rings consisting in reeling a cord or cords about an outer and an inner series of pins, the cords passing successively from a pin in one series to a pin in the other series; adding a filler, and molding the filler about the cords and pins.

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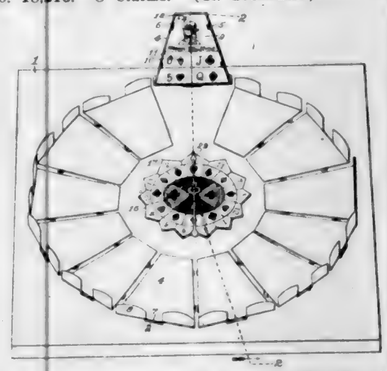
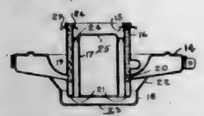
1,561,609. GAME APPARATUS. GEORGE COLVIN KENNEDY, Waterloo, Iowa. Filed Mar. 25, 1925. Serial No. 18,216. 8 Claims. (Cl. 273—135.)



1. In a game apparatus, a movable indicating device, and a plurality of movable sign-carrying flaps positioned within the scope of indicating movements of said device and each movable from a sign-disclosing to a sign concealing position.



1,561,610. CAMP STOVE. WALTER C. LINDEMANN, Milwaukee, Wis., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 1, 1922. Serial No. 565,229. 6 Claims. (Cl. 67—81.)



1. The combination of a font for liquid fuel, having a horizontal diameter in excess of its depth and provided with a depressed interior portion extending below mid-height of the surrounding portion, vertical wick tubes spaced to provide a wick space therebetween connected with the font at the said depressed portion, and having the space in communication with the interior of the font and extending below and above the upper surface of the portion of the font which surrounds the depressed portion, said point of communication between the wick space and the font being at the lower part of said depression and leading directly into the wick space above the lower end thereof.

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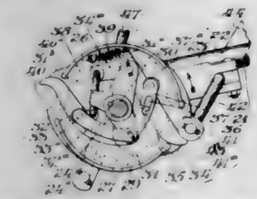
1,561,611. CLUTCH. ALEXUS C. LINDGREN, St. Charles, Ill., assignor, by mesne assignments, to Fred Gerlach and Arnold B. Keller, trustees, both of Chicago, Ill. Original application filed Apr. 30, 1919, Serial No. 293,756. Divided and this application filed Nov. 27, 1922. Serial No. 603,413. 4 Claims. (Cl. 192—62.)



1. A clutch for power lift plows comprising a normally rotatable element and a normally stationary element mounted on a shaft, one element being journaled on the shaft, the other fixed on the shaft, one element having internal depressions, the other element having oppositely directed members for engaging said depressions hinged about a point eccentric to the shaft, and means for locking the two elements together and for locking the stationary member in a fixed position including a trip member engaging the periphery of said elements.

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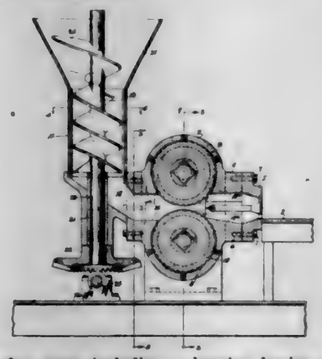
1,561,612. CLAY PRESS. PAUL F. LOICHOT, Canton, Ohio. Filed Dec. 17, 1924. Serial No. 756,442. 11 Claims. (Cl. 25—11.)



1. A clay press including a housing having a die in one side, a pair of rolls within the housing for forcing clay through the die in a column and an auger in the housing at an angle to the axis of the rolls for feeding clay to the rolls.

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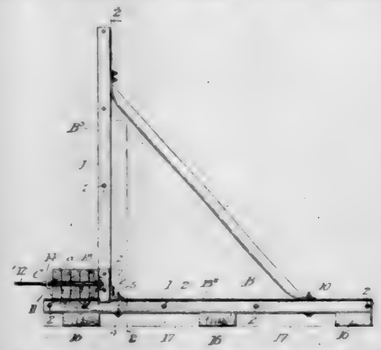
1,561,613. BENDING AND CLAMPING FRAME. JOHN L. MCKEOWN, Winnetka, Ill. Filed Feb. 15, 1924. Serial No. 693,053. 18 Claims. (Cl. 144—256.)



1. A bending and clamping frame consisting of a plurality of units, each comprising a fixed base member and a separate post member, means for supporting said post member in upright position on said base member, and clamping means in association with said post member, said units as erected for use being arranged so that the post members thereof will define the shape of the structure to be formed thereon.

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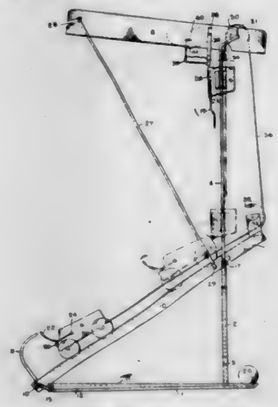
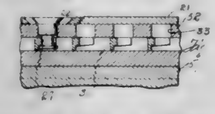
1,561,614. GRAVITY TOY. JAMES J. MAHAN, Jersey City, N. J. Filed Apr. 15, 1922. Serial No. 553,174. 15 Claims. (Cl. 46—37.)



1. The combination of an upright frame, a car mounted to reciprocate thereon, a bin located at the upper part of said upright frame having an opening and an inclined portion leading thereto and adapted to contain loose material and to permit it to gravitate down said inclined portion to said opening, said opening being located adjacent to the position of the car when the said car is at the upper limit of its reciprocating movement, a gate mounted to reciprocate vertically adjacent to the said opening and normally located in the path of said material, and a member connected with and mounted to move with said gate and constructed and arranged to be interposed into the path of the material in the bin when the gate is opened, and means whereby the upward movement of the car causes the said gate to open

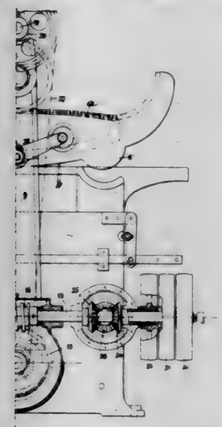
and the said member to be simultaneously interposed into the path of the material, said member having a portion which is in the path of the downward movement of the material as it passes from the bin.

1,561,615. PRINTING-PLATE HOLDER. EDWARD PALMER, Bexley, Ohio. Filed June 13, 1925. Serial No. 36,845. 7 Claims. (Cl. 101—385.)



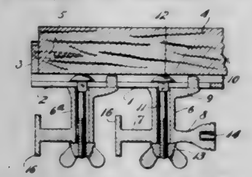
1. The combination with a printing plate support having a plurality of openings therein, of locking plates slidably associated therewith, clamping plates for the printing plate, means passable through the clamping plates and engageable with the locking plates for holding the clamping plates engaged with the printing plate, and means for shifting the locking plates, as and for the purpose set forth.

1,561,616. MACHINE FOR MAKING IMPRESSIONS. GEORGES PETER, Malakoff, France. Filed Mar. 25, 1924. Serial No. 701,752. 4 Claims. (Cl. 101—12.)



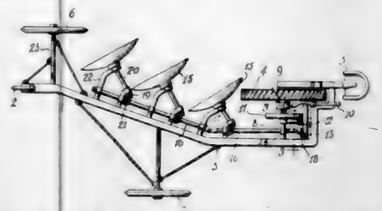
1. In a machine for making impressions a fixed table, a movable table curved on its surface facing the fixed table, means to dispose the form to be reproduced between the said tables and means to apply a rolling motion to said movable table at a strong pressure against the fixed table, to produce the necessary impression.

1,561,617. CURTAIN BRACKET. EDWARD L. RENZENBRINK, Canton, Ohio. Filed Sept. 28, 1923. Serial No. 665,325. 3 Claims. (Cl. 156—24.)



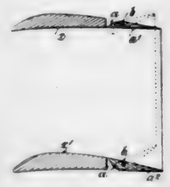
1. A bracket of the character described, including a stem, an angular arm upon the stem and a rearwardly and downwardly inclined, elliptical plate upon the arm arranged to be received in the end of a channel shaped curtain rod.

1,561,618. ROTARY DISK PLOW. M. T. SKINNER, Cleburne, Tex., assignor of one-fourth to Julian B. McCauley and one-fourth to Charles A. Nabors. Filed Nov. 17, 1924. Serial No. 750,273. 1 Claim. (Cl. 97—34.)



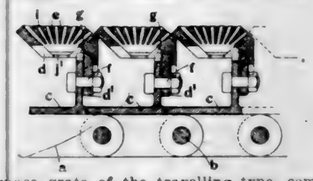
A rotary disk plow comprising a frame, supporting wheels carried by the forward end of said frame, a drive shaft journalled within the rear end of said frame and extending transversely thereof, a drive wheel for said shaft, a driven shaft extending longitudinally of and journalled upon said frame, rotary disks operatively connected to said driven shaft, an intermediate driven shaft extending longitudinally of said frame and operatively connected to said driven shaft, a gear wheel journalled upon said drive shaft, a clutch arranged between said gear wheel and drive shaft, means for operatively connecting said gear wheel with said intermediate driven shaft, and a manually controlled lever for operating said clutch.

1,561,619. BALANCED CONTROL SURFACE OF AIRCRAFT. HERBERT SMITH, Kingston Hill, England. Filed Apr. 10, 1925. Serial No. 22,083. 2 Claims. (Cl. 244—29.)



1. In an aeroplane, forming the opposed ailerons of the wing aerofoil with oppositely arranged cambers so that one aileron will open downwards and the other aileron will open upwards so that a gap is made by some portion of both cambers immediately the ailerons are moved whereby both assistance is given to open and the air resistance is balanced, as set forth.

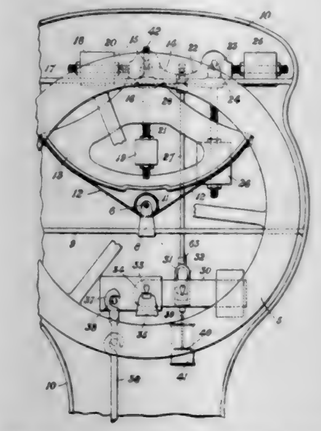
1,561,620. FURNACE GRATE. LOUIS JOHN STEELE and EDGAR FROSTICK KENT, Portsmouth, and GEORGE ALBERT MADDEN, Southsea, England. Filed Mar. 20, 1923. Serial No. 626,353. 3 Claims. (Cl. 110—40.)



1. A furnace grate of the travelling type, comprising grate elements consisting of frames having integral straight end walls and a plurality of integral transversely disposed grate bars extending between said end walls, said transversely disposed grate bars being wider at the top than at the bottom, and having the interstitial spaces between them diverging outwardly towards opposite sides upwardly, and a conveyor upon the transversely disposed members of which the said grate elements are supported in transverse series and members disposed at one side of said frames and integral therewith by which said frames are supported upon said conveyor, substantially as described.

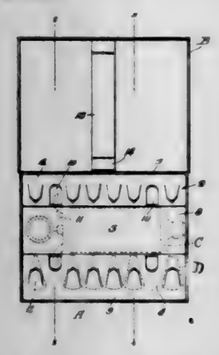


1,561,621. INDICATING MECHANISM OF WEIGHING APPARATUS. CAMERON MCGREGOR SYKES, Birmingham, England, assignor to W. & T. Avery, Limited, Birmingham, England. Filed Oct. 1, 1923. Serial No. 665,845. 4 Claims. (Cl. 265—62.)



1. An indicating mechanism for weighing apparatus comprising an indicator adapted for rotation about a fixed axis, oppositely wound flexible ribbons connected to and forming the suspension for substantially the whole of the weight of the said indicator, pendulous members mounted on and adapted to oscillate about a fixed axis and connected to said ribbons and means for imparting an oscillatory motion to the said members.

1,561,622. DISPLAY BOX. LOUIS WAGNER, Woodhaven, N. Y.; Erna C. Wagner, executrix of said Louis Wagner, deceased, assignor to Frederick Schneider, Brooklyn, N. Y. Filed May 7, 1924. Serial No. 711,616. 1 Claim. (Cl. 206—44.)

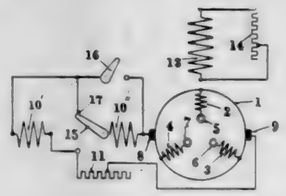


A display box of the character specified comprising a body portion, a hinged lid, a supporting display rack mounted in the body, said rack comprising a central longitudinally disposed trough-like portion having perpendicular side walls and downwardly and outwardly inclined side members extending from the upper edges of the perpendicular side walls to the upper face and outer side edges of the bottom of the box and a series of longitudinally spaced integral supporting lugs or tongues extending along each side member and formed by slitting the material of which the side members are composed, the upper edges of the central trough-like portion and those of the side members being formed, at opposite ends, with transversely oppositely disposed notches, alternating with the adjacent supporting lugs or tongues.

1,561,623. MANUFACTURE OF HONEYCOMB FOR BEEHIVES. GEORGE WILLIAM WATSON, London, England. Filed June 24, 1924. Serial No. 722,678. 3 Claims. (Cl. 6—11.)

2. A method of making a honeycomb which comprises the operation of providing parallel ribs on a sheet of wax, corrugating portions of the sheet at opposite sides of each rib for the purpose described, superposing a succession of such sheets identical with one another in such a manner that the sheets form a pile in which their ribs coincide, effecting relatively displacement between each two superposed sheet along the line of their ribs through a distance such that the depressions on the top of the lower sheet each register with the corresponding elevations in the upper sheet, thereafter causing the sheets to adhere to one another, and severing the pile of superposed sheets into sections along planes of severance midway of each pair of ribs and parallel to them.

1,561,624. ALTERNATING-CURRENT MOTOR. HANS WEICHSEL, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a Corporation of Delaware. Filed Nov. 21, 1924. Serial No. 751,243. 4 Claims. (Cl. 172—280.)

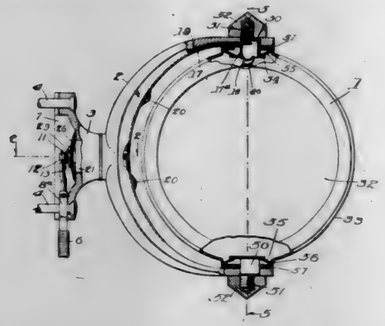


1. In a synchronous motor, the combination of a primary member provided with a commutator, a secondary member provided with a multi-part exciting winding in circuit with the commutator, said parts of the exciting winding being connected in parallel during the starting period, means for connecting said winding parts in series for synchronous operation, and means for supplying alternating current to the primary member.

1,561,625. VEHICLE SEARCHLIGHT. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Sept. 1, 1922. Serial No. 585,582. 7 Claims. (Cl. 240—61.)

1. A vehicle searchlight comprising a trunnioned body and a bail for carrying it by engagement with its trunnions, the bail having a stem; a base in which the stem

is journaled for swiveling the bail to the base; a circuit wire entering the base; a thrust member extending insulated through the stem of the bail, with the said circuit wire connected to the outer end thereof; a contact strip insulated in the bail extending from the stem around to one trunnion bearing; means holding the inner end of



said thrust member in contact with said strip; a lamp socket in the body, and a circuit member mounted insulated in the body having one end positioned for contact with one of the lamp contacts and the other end positioned for contact with the contact strip of the bail at the trunnion.

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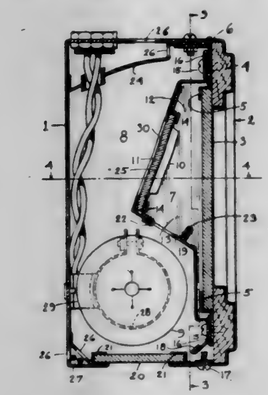
1,561,626. ILLUMINATED SIGN. ROY R. WILEY, Buffalo, N. Y., assignor to Flexlume Corporation, Buffalo, N. Y., a Corporation of New York. Filed Jan. 27, 1922. Serial No. 532,238. 8 Claims. (Cl. 40—133.)



1. In an illuminated sign, in combination, a sign box having a wall provided with a clear glass panel, a sign board visible through and inclined at an acute angle to said panel, an illuminating chamber of which said board forms the rear wall and said panel the front wall and which is otherwise provided with upper, lower and end walls, the upper and lower walls being of different area owing to the inclination of said board and the wall of greater area being inclined between said board and said panel and having an opening, an opaque barrier between said opening and said panel and a flange in front of said opening and projecting into said chamber, said flange being of sufficient depth to conceal said opening from view, and a source from which light is admitted through said opening into said chamber.

1,561,627. CROSS-WEAVING LOOM. JOSEPH WILKINSON, East Fairhaven, Mass. Filed Apr. 13, 1925. Serial No. 22,894. 5 Claims. (Cl. 139—53.)

4. As an article of manufacture, a U-shaped metal doup needle having an elongated aperture at one end of each leg and an apertured portion connecting the other ends of said legs.

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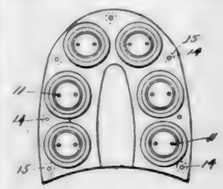
1,561,628. SHOE HEEL AND CUSHION PLUG THEREFOR. HARRY S. WILLIS, Philadelphia, Pa. Filed Aug. 21, 1923. Serial No. 658,526. 1 Claim. (Cl. 36—59.)



A shoe heel having threaded holes each terminating in a recess at one end and threaded rubber plugs in said holes, each plug having a head provided with a groove and flange, said flange engaging the inner surface of the recess to produce a frictional resistance against turning.

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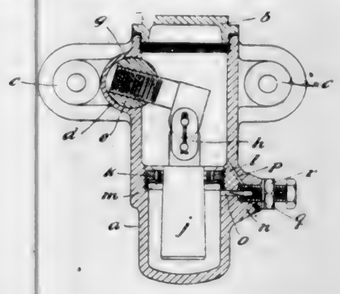
1,561,629. SHOCK ABSORBER FOR MOTOR CARS AND LIKE VEHICLES. HENRY JOHN WILSON, Newton Abbott, England. Filed Dec. 18, 1924. Serial No. 756,795. 4 Claims. (Cl. 188—88.)



1. A shock absorbing device comprising a hollow cylindrical body member closed at one end and containing a suitable fluid, means for securing the body member to a part of a vehicle, an internal annular restriction in the bore of the body member, valve controlled passages through the restriction, a tapered plunger working through the restriction and means connecting the plunger to a part of the vehicle having movement relative to the part to which the body member is secured, so that movement of the said part causes reciprocation of the plunger within the body member.



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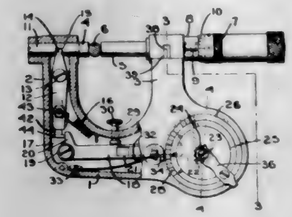
1,561,630. MICROMETER CALIPERS. ROBERT A. WILSON, Waltham, Mass. Filed Nov. 14, 1924. Serial No. 749,859. 6 Claims. (Cl. 33—147.)



1. In micrometer calipers, the combination with a yoke-shaped frame having two arms rigid with respect to each other, of a jaw mounted in one arm thereof, a micrometer screw for operating said jaw, a second jaw slidably mounted in the other arm, a lever pivoted in said other arm and engaging said second jaw, a spring acting on said lever and tending to move said second jaw away from the first jaw, an elbow lever pivotally mounted in the frame, one arm of which elbow lever operatively engages the first-named lever, a spring acting on said elbow lever and tending through said levers to move the second jaw toward the first-named jaw, and a push pin carried by the frame and by which the elbow lever may be moved in opposition to its spring.

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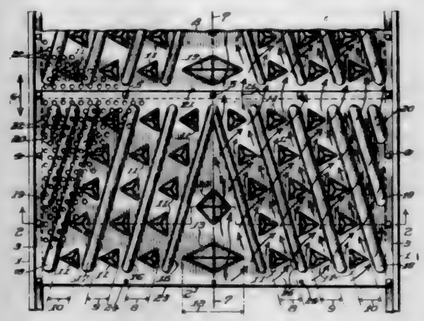
1,561,631. ANTITHUMB-SUCKING DEVICE. GEORGE H. WINTER, Chicago, Ill., assignor to W. Moore Thompson, Chicago, Ill. Filed Oct. 5, 1921. Serial No. 505,670. 8 Claims. (Cl. 128—133.)

4. An anti-thumb sucking device, consisting of a structure made of unyielding material adapted to extend over the major part of the first joint of the thumb to protect said joint from contact with the interior of the mouth, said structure including an adjustable band for attaching it to the thumb back of said joint, and a comparatively large element of unyielding material capable of flexible attachment to said device and adapted to block insertion into the mouth.

1,561,632. PERFORATED INDENTED SCREEN. HERBERT S. WOODWARD, Carbondale, Pa. Filed Feb. 27, 1924. Serial No. 695,391. 14 Claims. (Cl. 83—56.)



1. A shaker screen comprising a perforated metal sheet or plate having rows of indented triangular pyramidal projections disposed over the upper surface thereof a base line of each pyramid being parallel to the axis of the screen.

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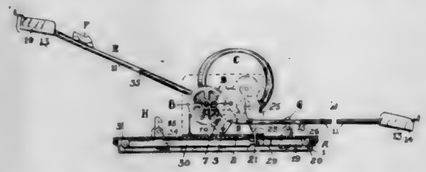
1,561,633. MECHANICAL TOY. CARL C. BAIN, Mount Lebanon Borough, Pa., assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 24, 1925. Serial No. 11,197. 4 Claims. (Cl. 104—55.)



1. In a mechanical toy for use in connection with a travelling object, the combination of a support, a unitary track structure mounted on said support to oscillate on a horizontal axis, said track structure being comprised of a pair of tangents in angular relation to each other and a helix interposed between and connected to the same, power-means for oscillating said track structure, and means whereby the track structure is caused to dwell at the completion of a movement until the travelling object has traversed the helix.

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1,561,634. ADJUSTABLE SHADE HOLDER. JOSEPH S. BEENECK, Nanticoke, Pa. Filed Aug. 1, 1923. Serial No. 655,053. 1 Claim. (Cl. 156—22.)

A bracket adapted to be mounted upon a rod formed with a longitudinally extending slot leading from one end intermediate its width, said bracket including a foot adapted to fit against the forward face of said rod and formed with a longitudinally extending slot to register with the slot of said rod, a backing plate adapted to fit against the rear face of said rod for the

full width thereof and having flanges at its sides to engage opposite edge faces of the rod, and a longitudinally extending rib extending from said backing plate intermediate said flanges and extending through and secured in the slot of said foot, said rib adapted to be slidably received in the slot of said rod.

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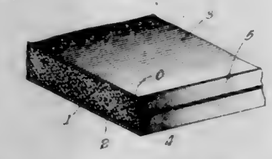
1,561,635. PLASTER BOARD. CHARLES R. BIRDSEY, Hinsdale, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 3, 1921. Serial No. 434,651. 3 Claims. (Cl. 154—45.9.)



1. A plaster board of the kind described comprising a body of suitable material, and cover sheets arranged at each side thereof, said sheets folded over the side edges of the board, the extreme edges of said sheets, terminating adjacent each other and the folded over sheet portions on each side edge lying in the plane of that edge.

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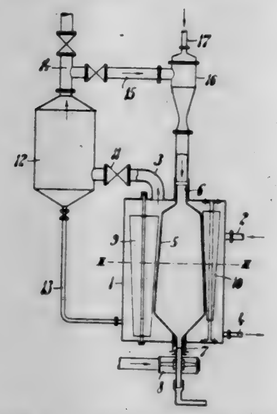
1,561,636. METHOD OF AND MEANS FOR TREATING LIQUIDS BY HEAT. GUSTAV BOJNER, Karlstad, Sweden. Filed Feb. 11, 1924. Serial No. 692,162. 4 Claims. (Cl. 159—25.)



1. A method of evaporating liquids, which comprises enclosing the material to be evaported in the space between a rotary heating element and a surrounding receptacle, so that said element is substantially wholly immersed in the liquid, heating said rotary element directly by means of hot combustion gases, and rotating said heating element at a sufficient velocity relatively to said liquid to substantially prevent the production of crust upon the surface of said heating element.

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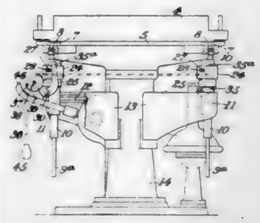
1,561,637. MEANS FOR SUPPORTING THE MOLDING BOX OR PATTERN PLATE OF FOUNDRY MOLDING MACHINES. JOSEPH CASH, Tipton, England. Filed Apr. 3, 1924. Serial No. 704,036. 3 Claims. (Cl. 22—29.)

1. In a jar ram molding machine, a pedestal, a molding table, guide members adjustably mounted in said pedestal, sleeve members adapted for reciprocation within said guide members and with said table, a plurality of notched rods constituting the molding box support and adapted for a vertical motion within said sleeve members, means for supporting said rods relative to said



sleeve members during the reciprocation thereof, means for supporting said rods in their fully raised position and means for withdrawing one or both of said rod supporting means.

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1,561,638. BOOK COVER. ORBY BERTRAM CROWELL, Toronto, Ontario, Canada, assignor to The Canadian I. T. S. Rubber Company, Limited, Toronto, Ontario, Canada. Filed Sept. 18, 1922. Serial No. 588,868. 3 Claims. (Cl. 281—35.)

1. A book cover formed of a moulded sheet of flexible rubber material having a portion of the cross sectional area of a reduced thickness to produce a portion of a greater flexibility than the main body to form a hinge.

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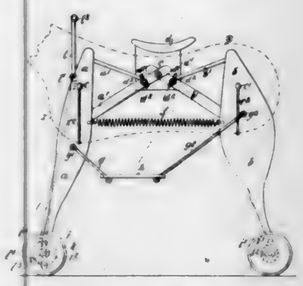
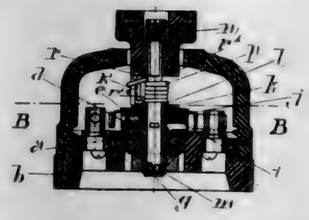
1,561,639. ANIMAL TOY. EVA CONSTANCE MACNAB EDGAR, Chatham, England. Filed Apr. 7, 1925. Serial No. 21,362. 2 Claims. (Cl. 208—42.)



1. An animal toy comprising a pair of front legs and a pair of rear legs, each carried by a pair of triangular shaped frames, transverse shafts on which the legs pivot, a saddle frame pivoted on a transverse shaft connecting together the adjacent apices of the triangles of the leg frames, springs acting between the front and rear legs so as to cause them to approach each other, a body part with attached head enveloping the upper part of the leg frames and carried by the transverse shafts, links pivoted to the front and rear legs and to foot rests in such manner that depression of the foot rests draws the legs together, wheels carried on the lower ends of the legs, means for preventing said wheels rotating in a backward direction and a steering handle carried by a post passing through the body and connected with means for steering the toy, as set forth.



1,561,640. ELECTRIC SWITCH. JOSEPH FRANÇOIS EYRAUD, Lyon, France, assignor, by mesne assignments, to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Feb. 14, 1921, Serial No. 444,804. Renewed Apr. 7, 1925. 18 Claims. (Cl. 200—66.)



2. A rotary snap switch having a reversibly rotatable switch blade, a reversibly rotatable spindle, a driving spring operatively interposed between the same, and an escapement mechanism for temporarily detaining the switch blade during the rotation of the spindle in either direction, said mechanism including a series of fixed stops spaced around the spindle, a rotatable latch for detaining the switch blade and normally engaged between adjacent stops in substantially radial position with respect to the spindle, and means operated by the spindle upon its rotation in either direction for withdrawing the latch in non-radial position from the stops, the engaging faces of the latch and stops being shaped to afford an inwardly divergent angular clearance therebetween which permits the latch to freely assume a non-radial position with respect to the spindle during the withdrawal operation.

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1,561,641. REFRACTORY COMPOSITION. WILLIAM A. FARISH, Brooklyn, N. Y. Filed May 31, 1918. Serial No. 237,403. 5 Claims. (Cl. 106—9.)

1. A non-recrystallized refractory composition, consisting of a refractory, electric furnace product, a carbonizing binder, and borax.

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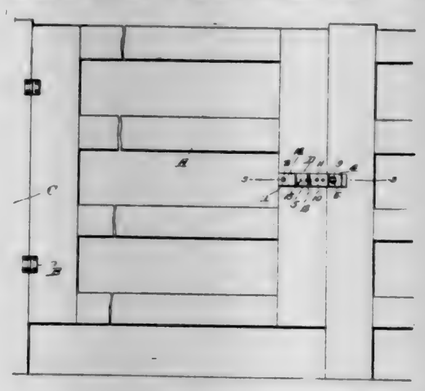
1,561,642. ADJUSTABLE DOOR AND GATE LATCH. JAMES FELKNER, Centerville, Iowa. Filed May 7, 1924. Serial No. 711,637. 1 Claim. (Cl. 292—145.)



A latch of the character specified, comprising a bearing strip secured to one edge of the door and extending over the supporting frame, a bolt extending through the supporting frame and the free end of said bearing strip, a latch bar slidably mounted for endwise movement on the bearing strip, said latch bar having a longitudinal slot to snugly receive the shank of the bolt when in locking position, and an eye to receive the head of the bolt when in retracted position, a keeper for the latch bar and a bolt carried by the latch bar and extending through and beyond the door or gate for actuating said latch bar from the opposite side, the bearing strip provided with a longitudinal slot to receive the shank of the bolt and whereby movement of the latch bar is limited in either direction.

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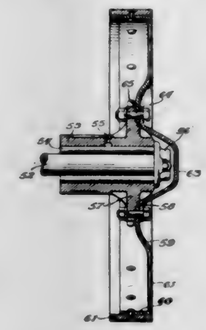
1,561,643. WHEEL FOR ROAD GRADERS. EDWARD C. GLEDHILL, Galion, Ohio. Original application filed Aug. 28, 1923, Serial No. 659,763. Divided and this application filed Mar. 3, 1925. Serial No. 12,926. 1 Claim. (Cl. 301—63.)



In a road grader, the combination of an axle, a hub fitted upon the end of the axle and having an annular flange adjacent its outer end, a retaining cap secured on the outer end of the axle and bearing against the outer end of the hub, a tread member, a disk secured at its outer edge to the said tread member and at its inner edge to the annular flange on the hub, the intermediate portion of said disk being flush with the outer edge of the tread member, and a hub cap enclosing the retaining cap and the end of the hub and having its edge portion secured over the inner edge portion of the disk.

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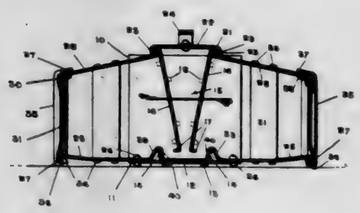
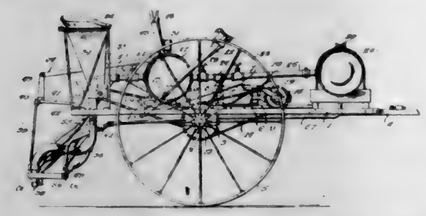
1,561,644. KNOCKDOWN FEEDER. BENNIE P. HANSON, Cedar Falls, Iowa. Filed Aug. 1, 1923. Serial No. 655,050. 4 Claims. (Cl. 119—52.)



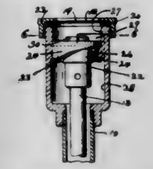
1. A feeder comprising end members, a feed trough between and secured to said end members, a hopper above said trough between and secured to said end members, a slide cover on the hopper, and a housing including a bottom, top and portions between and connecting said top and bottom, the housing bottom being detachably conected with said end members and trough and the top having a portion to be engaged by said slide cover for holding the top assembled with the hopper.

1,561,645. SPRAYER. MENTOR HOWARD, Weatherford, Tex. Filed June 2, 1924. Serial No. 717,408. 2 Claims. (Cl. 43—147.)



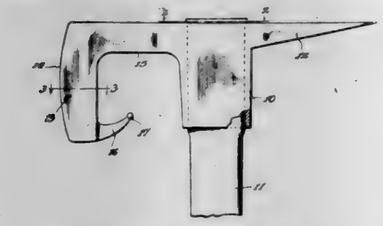
1. A spraying machine comprising a wheeled supporting frame, an air tank mounted thereon, a liquid tank also mounted thereon, an air compressor mounted on the frame and driven from the wheels thereof, the discharge of the air compressor being in communication with both the air tank and the liquid tank, a powder container mounted on the frame, discharge pipes leading from the air tank, the liquid tank and the powder container respectively and having their ends in proximity to each other, nozzles mounted on the ends of all the discharge pipes, the nozzle on the pipe leading from the air tank being coupled into the nozzle on the pipe leading from the powder container, and a support for all the nozzles carried by the rear end of the supporting frame.

1,561,646. SPRAYING DEVICE. JOHN C. HULL, Gasport, N. Y. Filed Dec. 18, 1919. Serial No. 345,745. 7 Claims. (Cl. 299—150.)



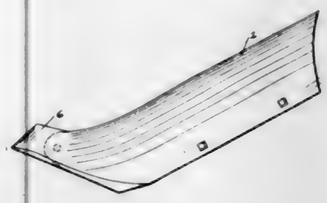
2. A spray nozzle comprising a body formed with a pressure chamber, a perforated nozzle disc carried by the body, a valve located at the upper end of the pressure chamber, and slidable therein for controlling the fluid discharge, said valve being longitudinally movable within the body and having cam faces integrally formed thereon which provide spiral passageways, means coacting with the cam faces of the valve for moving the valve longitudinally within the body on rotation of said valve, a valve plug carried by the valve and engageable with the disc, and means located at the lower end of the tube for controlling the valve.

1,561,647. FIREMAN'S AX. CHRIST JOHNSON, Shelby, Mont. Filed Mar. 6, 1925. Serial No. 13,480. 2 Claims. (Cl. 7—9.)



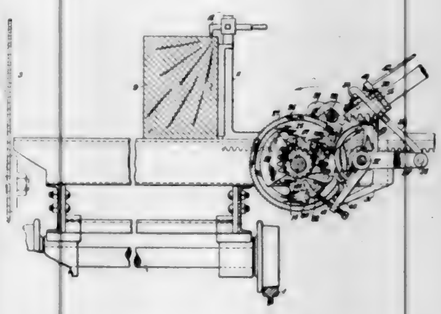
1. A tool comprising a shank having an eye at one end and a bit at the opposite end, both the bit and the eye extending laterally from the same side of the shank in parallel relation, and the bit having a projection at its free end in the plane of the shank and extending toward the eye and curving toward the eye and shank and terminating in an enlargement.

1,561,648. REPAIR TIP FOR STEEL PLOWPOINTS. HENRY KASAL, Kewaunee, Wis. Filed Jan. 5, 1922, Serial No. 527,142. Renewed Oct. 1, 1925. 2 Claims. (Cl. 97—125.)



1. A repair tip for a plow having a worn point and a laterally projecting flange comprising a landside portion and a curved upper portion having an aperture the landside and upper portions having their landside faces beveled to merge into a common plane, said repair tip comprising a cutting edge, a landside portion adapted to register with the landside portion of the plow, and a curved upper portion adapted to contact throughout its face with the landside face of the curved upper portion of the plow, said curved upper portion of the tip being provided with an aperture adapted to register with the aperture in the plow, whereby said tip may be first riveted in position upon the plow and then welded thereto wholly upon one side thereof to form an integral unit with such plow.

1,561,649. SETWORKS FOR SAWMILLS. CHARLES H. KNIGHT, Canton, Ohio. Filed June 26, 1925. Serial No. 39,685. 4 Claims. (Cl. 74—54.)



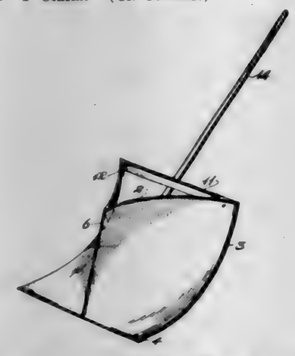
1. In a sawmill set-works, a shaft, a ratchet wheel fixed thereto, a lever journaled upon the shaft, pawls carried by the lever for engagement with the ratchet wheel, means for moving the pawls out of engagement with the ratchet wheel, an elliptic pinion loosely mounted upon the shaft, a pawl carried by said pinion for engagement with the ratchet wheel, an elliptic quadrant journaled adjacent to the shaft and meshing with the pinion, means upon the quadrant for normally holding the last named pawl out of engagement with the ratchet wheel and means operated by the pawl disengaging means for operatively connecting the quadrant to the lever when said first named pawls are disengaged from the ratchet wheel.



1,561,650. ANTITARNISH COMPOSITION. THOMAS HOLMES LASHAR, Chicago, Ill. Filed Apr. 23, 1924. Serial No. 708,354. 22 Claims. (Cl. 252—2.)

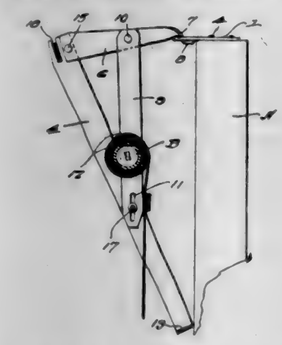
1. A new anti-tarnish composition comprising a solution of a metal salt capable of absorbing hydrogen sulfide in a hygroscopic non-volatile solvent.

1,561,651. SCOOP SNOWPLOW. ROBERT J. LAVELL, Cincinnati, Ohio. Filed Oct. 10, 1923. Serial No. 667,685. 1 Claim. (Cl. 57—53.)



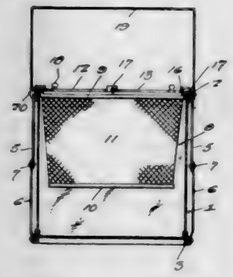
A scoop plow comprising a blade formed from a blank of sheet metal having a straight horizontal lower forward edge disposed at a right angle to the median dimension of the blade and provided with an intermediate bulged area having an incising edge disposed at a right angle to the forward edge and extending at an upward and rearward inclination from a point directly over the latter, a horizontal transverse frame bar attached to the forward edge portion of the blade and having a socket which is disposed under the bulged area of the latter, a second horizontal transverse frame bar attached to the upper portion of the blade and bridging the bulged area thereof and having an eye which is disposed in alignment with the activity of the socket and a handle member insertable through the eye and into the socket.

1,561,652. WINDOW SHADE AND CURTAIN FIXTURE. WILLIAM LE BLANC, Sheridan, Me. Filed June 18, 1924. Serial No. 720,818. 3 Claims. (Cl. 156—24.)



1. In a shade and curtain fixture, an apertured plate secured to the top of the window casing, an arm detachably supported at one end in said apertured plate and extending laterally therefrom, a shade bracket extending downwardly from the arm in a plane parallel to the window casing, and a curtain bracket secured at its upper end to the outer end of said arm, the intermediate portion thereof being secured to the lower end of the shade bracket, the lower end of the curtain bracket engaging the window casing.

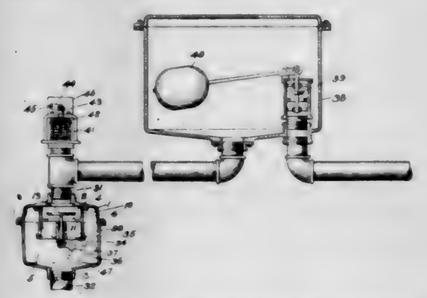
1,561,653. FOLDING MINNOW PAIL. LOUIS LINGUIST, Fort Worth, Tex. Filed June 29, 1925. Serial No. 40,292. 4 Claims. (Cl. 43—56.)



4. A folding minnow bucket comprising an outer pail including a collapsible bag of water proof material, upper and lower metallic frames associated therewith, pivotally connected links associated with the upper and lower frames for holding the bags extended, an inner pail comprising a foraminous bag, upper and lower metallic frames associated therewith, the lower frame being smaller than the upper frame of said inner pail, the upper frame of the inner pail being smaller than the upper frame of the outer pail so as to be disposed therein, means for movably supporting the inner pail in the outer pail, said means comprising upstanding lugs associated with the sides of the upper frame of the inner pail and adapted to engage the respective sides of the upper frame of the outer pail.

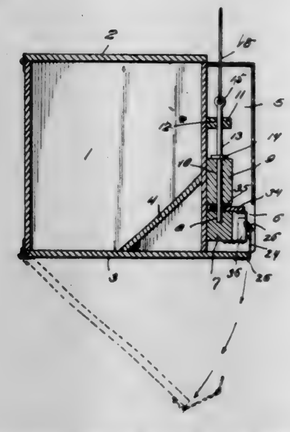
1,561,654. [WITHDRAWN.]

1,561,655. LIQUID-DISPENSING APPARATUS. GEORGE W. MACKENZIE, Beaver, Pa. Filed May 22, 1924. Serial No. 715,089. 1 Claim. (Cl. 73—167.)



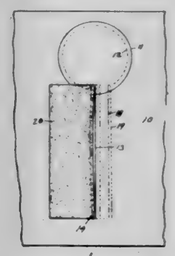
In liquid-dispensing apparatus the combination of a liquid container provided with a bottom orifice, a vertically reciprocable valve arranged above said orifice and adapted on descent to effect closure thereof, yielding means constantly exerted upon said valve and tending constantly to sustain it at an interval above said orifice, and means for maintaining a constant head upon a body of water filling said container.

1,561,656. AUTOMATIC STOCK AND POULTRY FEEDING DEVICE. FRED L. MOODY, Oneonta, Ala. Filed June 29, 1925. Serial No. 40,311. 2 Claims. (Cl. 119—56.)



1. An automatic feeding device of the class described comprising in combination, a feed hopper, a hinged closure for the discharge end thereof, a vertically slidable locking rod, a slidable plate hingedly associated with the hopper and through which the locking rod is adapted to pass, a hook associated with the slidable plate, a ring carried by the free end of the hinged closure and normally engaging said hook, and means for actuating said locking rod to disengage the same from said slidable plate simultaneously permitting the disengagement of the ring from the hook and causing the hinged closure to swing downwardly whereby the feed is discharged from the hopper.

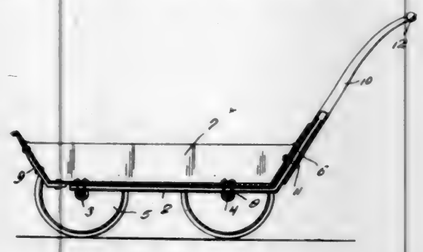
1,561,657. PLACKET FACING. SAMUEL M. MOSES, Portland, Oreg. Filed Mar. 8, 1922. Serial No. 541,903. Renewed Jan. 7, 1925. 1 Claim. (Cl. 2—121.)



A method for forming plackets consisting of double seaming a rectangular piece of cloth over the location for the placket, cutting said seams apart and turning the flaps inwardly through the opening in a manner to form a placket facing and placket extension.

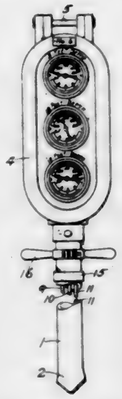
1,561,658. CART. PETER MOSIER, Grand Rapids, Mich. Filed Feb. 12, 1925. Serial No. 8,792. 1 Claim. (Cl. 280—50.)

A cart of the class described comprising a pair of parallel spaced I-beams, front and rear axles supported transversely across said beams, ground engaging wheels on the ends of the axles, an elongated shallow body supported on said beams, the forward and rear ends of the body being inclined upwardly, the rear ends of the I-beams being inclined upwardly and spaced slightly from the upwardly inclined rear end of the body, tubular handle bars having their lower ends disposed over the upwardly inclined rear ends of the I-beams, and a substan-



tially U-shaped clamp encircling the lower portion of each of the tubular handle bars and extending through the upwardly inclined rear portion of the body for adjustably securing the handle bars on the upwardly inclined rear ends of the I-beams, and a handle extending across the upper end of the handle bars.

1,561,659. COAL-TEMPERATURE INDICATOR. ROBERT P. NICHOLS, New Rochelle, N. Y., assignor to Federated Engineers Development Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Jan. 24, 1921. Serial No. 439,444. 2 Claims. (Cl. 73—118.)



1. In an instrument for indicating temperatures within a mass of loosely piled material, an elongated tubular casing having an end shaped to facilitate its insertion into the mass, an indicator housing connected to the other end of the casing and adapted for disposition exteriorly of the mass, a plurality of indicators housed therein, heat sensitive devices located within the casing at varying distances from said indicators and each operatively connected to one of said indicators.

1,561,660. HACK-SAW FRAME. LOUIS E. PECK, Greenfield, Mass., assignor to The Threadwell Tool Company, Greenfield, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1925. Serial No. 10,377. 6 Claims. (Cl. 145—34.)

6. In a hack-saw frame, the combination with a handle having a groove in the top, of a U-shaped bar constituting a part of the frame located and fitting in said groove,



an end piece having a horizontal top part located in the interior of the U-shaped bar and pivoted to it and projecting down from the bottom of the U-shaped bar and

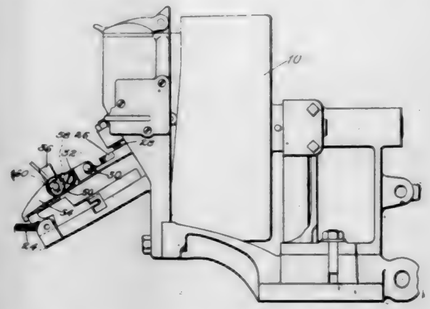
having a sqare opening at the bottom a slide having a pin for holding the end of the saw blade and located in said opening, and a screw having a round head screwing into the slide longitudinally for adjusting it.

1,561,661. FLYTRAP. ELISHA DAVID PEPPER, Pickens, Miss. Filed June 22, 1923. Serial No. 647,107. 1 Claim. (Cl. 43—118.)

A fly trap comprising an outer casing formed of a substantially rectangular sheet of foraminous material disposed edgewise and bent until one vertical edge portion thereof overlaps the other vertical edge portion, said lapped edge portions being secured together, the side portions of the outer casing being bent to converge together at their upper edges, thereby drawing the lower edges of the sides of the outer casing upwardly above the level of the lower edges of the ends of the casing and providing inlet spaces between said lower edges of the sides of the outer casing and a flat supporting surface on which the outer casing rests, means permanently securing the converging upper edge portions of said outer casing together for part of the length of the outer casing and releasably securing the convergent upper edge portions together for the remainder of the length of the outer casing, and an inner casing made separately from the outer casing, said inner casing having substantially the shape of a truncated cone and being adapted at its lower end to closely fit in the lower end portion of the outer casing when the body of the inner casing has been inserted in the outer casing at the lower end of the latter, said inner casing having a relatively small opening at its upper end, and means securing the lapped lower end portions of said inner and outer casings in contiguous relation to each other at all points around the lower end of said inner casing.

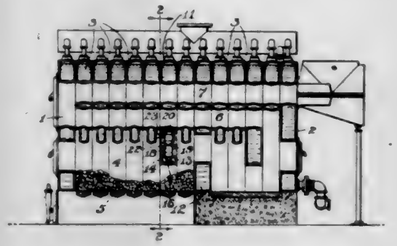
1,561,662. FASTENER-SUPPLYING MECHANISM. ELMER R. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 20, 1922. Serial No. 569,581. 30 Claims. (Cl. 1—6.)

6. A distributing device comprising, in combination, a set of raceways, a separator plate reciprocating across the raceways, an end block having a portion overlying the plate, simultaneously or individually operable members for closing one or more of the raceways, and a lock



for the end block constructed and arranged to be released by simultaneous operation of said members to close the raceways.

1,561,663. BOILER. HERMAN C. PROX, Terre Haute, Ind. Filed July 3, 1922. Serial No. 572,537. 2 Claims. (Cl. 122—225.)

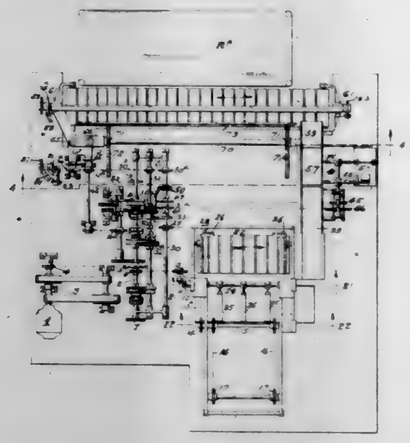


1. In a sectional boiler the combination with front and rear sections and intermediate sections, each of the intermediate sections having vertical water ways and transverse horizontal water ways extending between the vertical water ways, of a pair of integral supplemental horizontal water ways extending between and communicating with the vertical water ways of one of the intermediate fire box sections, said supplemental water ways being spaced apart from each other from front to rear to form therebetween a throat, and arranged below and spaced from the bottom transverse water way of the section, walls formed of refractory material each supported on one of said supplemental water ways spaced apart from front to rear to form an air passage therebetween and extending to the bottom transverse water way of the section to completely fill the space between said transverse water way and the supplemental water ways, said air passage being arranged to have communication with the atmosphere.

1,561,664. BREAD-RACKING MACHINE. ROBERT CURTIS RATHWELL, Strathroy, Ontario, Canada. Filed July 13, 1925. Serial No. 43,376. 11 Claims. (Cl. 214—41.)

1. In combination with a racking frame including a plurality of shelves; a machine of the class described comprising a conveyor adapted to receive and convey pans of bread as received from an oven; means for inverting the pans of bread delivered by the conveyor, whereby the bread may fall from the pans; a second conveyor adapted to receive the bread as it drops from the

pans; an elevator for receiving the loaves of bread delivered by the second conveyor; a vertically adjustable horizontal conveyor adapted to receive the bread from the



elevator and to travel in a step by step manner until the entire length of the conveyor is filled with bread; and means for pushing the row of bread from said last named conveyor onto the shelves of the racking frame.

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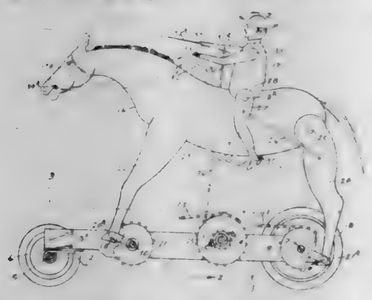
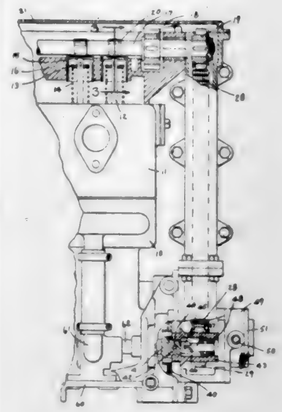
1,561,665. MECHANICAL TOY. JOHN W. RICHMAN, San Jose, Calif. Filed Jan. 3, 1925. Serial No. 341. 3 Claims. (Cl. 46—45.)



1. In a mechanical toy of the class described, a frame, a turntable adjustably mounted on front end of said frame, means for holding said turntable in adjusted position, a front axle secured to said turntable, ground wheels turnably mounted on said axle, a rear crank axle turnably mounted through said frame; a ground wheel secured rigid to said crank axle and a second ground wheel turnable on said axle; a second crank axle turnably mounted through said frame near the front end thereof and turnable in unison with the first mentioned crank axle; a power shaft; means for keeping said second mentioned crank shaft in geared relation to the power shaft; an automaton, resembling a horse, mounted on said crank axles and positioned above said frame; bearings in the feet of said automaton by which it is mounted to said crank axles; means whereby the automaton can accommodate itself to the cycle of the crank axles; a second automaton, resembling a man, secured rigid to said first mentioned automaton; a movable leg on said second mentioned automaton; a movable arm on said second mentioned automaton and means for moving said leg and arm when the first mentioned automaton and crank axles are in motion, substantially as shown and described.

1,561,666. OVERHEAD TRANSFORMATION FOR FORDS. ROBERT M. ROOF, Anderson, Ind. Filed Sept. 2, 1924. Serial No. 735,456. Renewed July 27, 1925. 6 Claims. (Cl. 123—173.)



1. In an internal combustion engine transformation, the combination of a Ford cylinder block having a crank case and a cam shaft therein, a detachable Ford head replacing over-head valve type head positioned thereabove, an overhead cam shaft, a chamber forming overhead cam shaft enclosing cover therefor detachably positioned above said head, a tubular housing communicating at its upper end with said chamber and at its lower end with the crank case, and a power connection in said tubular housing and operable by a shaft mounted in the original cam shaft bearing for driving the over-head cam shaft in timed relation with the engine.

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1,561,667. PROCESS OF DIGESTING MATERIALS FOR MAKING FERTILIZERS AND STOCK FOODS. LOUIS F. SCHMELZER, Carteret, N. J. Filed Oct. 30, 1922. Serial No. 598,029. 4 Claims. (Cl. 71—6.)

1. The process of preparing materials containing nitrogen compounds or proteins, for fertilizer or stock food purposes, consisting in digesting the material in a closed steam tight container subjected to heat, in steam derived substantially entirely from moisture contained in said material.

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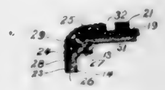
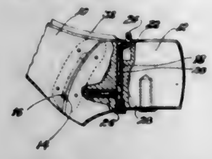
1,561,668. STEP TREAD. FRANK H. STANWOOD, Wilmette, Ill., assignor to Stanwood Equipment Company, Chicago, Ill., a Corporation of Maine. Filed Feb. 21, 1921. Serial No. 446,785. 8 Claims. (Cl. 20—79.)



1. A safety step tread for steps of automobiles, railway cars and the like, comprising a reversible nonslipping covering having on its upper surface a series of upstanding yieldable ribs and provided on its front and rear edges with a nosing-engaging marginal portion, and a separate non-slipping nosing member adapted to overlie and closely engage either of said marginal portions of said reversible covering in edge to edge contact, to provide a maximum of wear of said step tread.



1,561,669. LAST. WILLIAM C. STEWART, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Dec. 2, 1918, Serial 264,953. Divided and this application filed June 16, 1921. Serial No. 478,005. 5 Claims. (Cl. 12—141.)



1. In a last having a lateral surface arranged to support a shoe upper during ordinary shoemaking operations, a thimble adapted to cooperate with a jack pin and a socket in the heel part of the last; a pin slidably fitting the socket and permanently mounted therein, said pin being of substantially uniform cross-section and arranged either to be projected substantially from the heel seat face of the last by a rectilinear sliding movement to cooperate with a hole of corresponding size in a shoe part, or to remain in a retracted position, at will.

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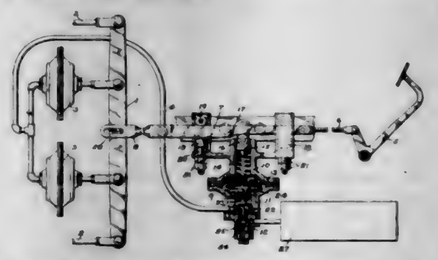
1,561,670. VEHICLE BRAKE. CARLTON D. STEWART, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 4, 1922. Serial No. 592,284. 5 Claims. (Cl. 303—54.)



1. In an automotive brake, the combination with a valve device having means for regulating the pressure of fluid supplied for braking and a movable member for operating said means, of a mechanical brake controlling mechanism having a moving connection provided with an incline adapted to engage said member.

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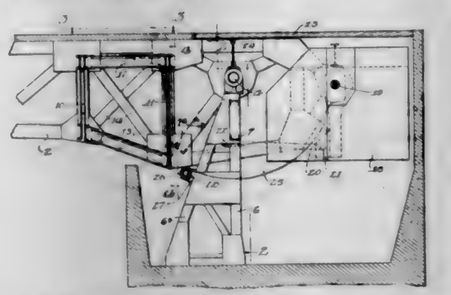
1,561,671. BASCULE BRIDGE. JOSEPH B. STRAUSS, Chicago, Ill. Filed Jan. 9, 1924. Serial No. 685,078. 7 Claims. (Cl. 14—38.)



1. A bascule bridge comprising a cantilevered lifting section or bascule leaf having trusses mounted on trunnions, a counterweight at the rear end of said trusses, a support for the leaf comprising vertical trunnion posts at the trunnions and supporting said trunnions, cross bracing on the leaf extending from the lower flange of the trusses toward the trunnions, bracing for the trunnion posts to take the horizontal forces on the trunnion, said bracing adapted to clear the leaf and its bracing as the leaf is opened and closed.

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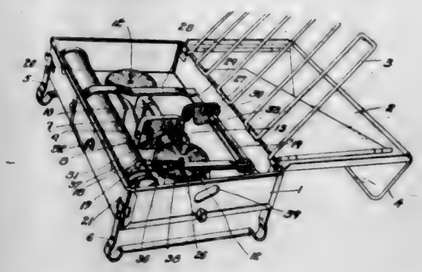
1,561,672. STOVE. HIRAM W. STRONG, Wichita, Kans., assignor to Coleman Lamp Company, Wichita, Kans., a Corporation of Kansas. Filed Mar. 2, 1925. Serial No. 12,750. 10 Claims. (Cl. 126—38.)



7. A stove comprising a mixing chamber, having a hydro-carbon fuel inlet port and an air port, a burner communicating with the mixing chamber, a flat baffle plate between the burner and the mixing chamber, and a vaporizing tube carried by the plate, having its discharge end movable into and out of line with the inlet.

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1,561,673. CLOCK ARBOR OR SHAFT. CLARENCE EVERETT ULERY and FRANK CARPENTER FITCH, Terrell, Tex. Filed Apr. 3, 1924. Serial No. 704,000. 2 Claims. (Cl. 58—52.)

1. An arbor of the class described comprising a tubular section, another section telescopically engaging one end of said tubular section and detachably connected therewith and a screw threaded in the other end of said tubular section to form a bearing extension for the arbor.

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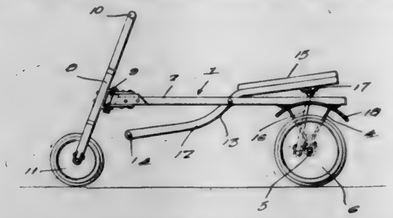
1,561,674. TOY VEHICLE. PETER WAYERSKI, Junction City, Wis. Filed May 27, 1925. Serial No. 33,259. 1 Claim. (Cl. 208—33.)

A toy vehicle of the class described comprising a frame, said frame including a pair of spaced beams, a crank shaft supported below the rear ends of the beams, driving wheels on the respective ends of the crank shaft, a steering wheel at the forward end of the frame, an elongated lever having its end portions offset with respect to each other, means for pivotally supporting the intermediate portion of the lever between said spaced beams at a point intermediate the ends of the frame, the forward end portion of the lever being disposed below the frame, a foot engaging member carried by the forward end of the lever, a seat on the rear end portion

of said lever, and means connecting the lever with the crank shaft whereby the oscillatory movement of the lever will be converted into a rotary movement of the crank shaft and the driving wheels, said means comprising a pitman connected at its upper end to the rear end of the lever extending downwardly between the spaced beams of the frame, the lower end of the pitman being secured to the crank portion of said crank shaft.



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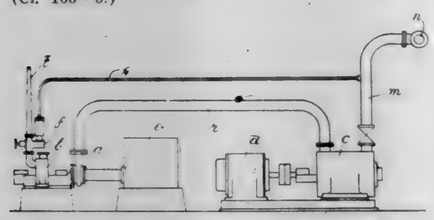
1,561,675. BOILER-FEEDING APPARATUS. JAMES GEORGE WEIR, Cathcart, Glasgow, Scotland, assignor to G. & J. Weir, Limited, Cathcart, Glasgow, Scotland. Filed Mar. 10, 1924. Serial No. 698,326. 4 Claims. (Cl. 103—5.)



1. The combination with a feed pipe for boilers of a constant-speed pump, a variable-speed pump arranged in series with, and on the suction side of, the said constant-speed pump and co-acting with it to deliver feed water into the said feed pipe, and means whereby the said variable-speed pump is controlled by the pressure in the said feed pipe.

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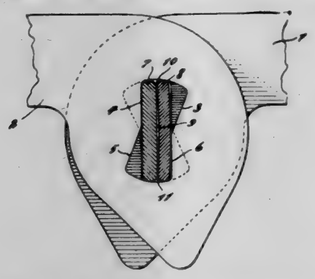
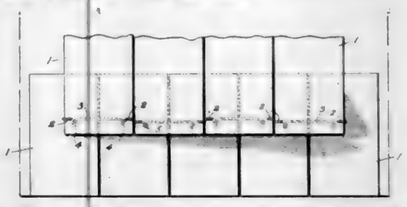
1,561,676. CHAIN AND PARTS THEREFOR. CHARLES E. WERTMAN, Hartford, Conn., assignor to The Whitney Mfg. Co., Hartford, Conn., a Corporation of Connecticut. Filed Nov. 1, 1923. Serial No. 672,050. 10 Claims. (Cl. 74—32.)



1. In a chain of the silent link type, a plurality of overlapping links having registering openings in the overlapping ends and a split pin in said openings with a space between the adjacent sides of the pin members, one of the sides of said pin being flexible whereby the pin lends resiliency to the joint.

1,561,677. SHINGLE FASTENER. HENRY W. WHITE, New Orleans, La. Filed Jan. 2, 1925. Serial No. 189. 3 Claims. (Cl. 108—33.



1. The herein described shingle fastener made from a single piece of wire having a main body portion provided with an open ended loop adapted to overlie a shingle, and with hooked end portions disposed in the same plane said plane being at right angles to the plane of said loop.

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1,561,678. [WITHDRAWN.]

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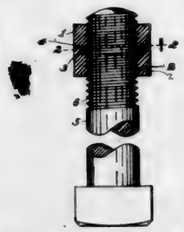
1,561,679. SELF-LUBRICATING NUT. ALBERTO I. WOODRING and WILLIAM G. LAMB, Waterloo, Iowa. Filed Sept. 29, 1923. Serial No. 665,682. 1 Claim. (Cl. 85—32.)



In combination, an interiorly threaded nut, and a threaded shaft whose threads are meshed with the nut threads and extend continuously through the nut, the nut having one or more threads intermediate its ends removed to provide an annular space around the shafts removed in isolation from the ends of the nut, said annular space being provided to receive an initial charge of a pasty lubricant to continuous lubricate the shaft threads as turned therethrough, the lubricant being thereby held between said nut and shaft in said annular space to close their interspace against the transmission past said annular space of comminuted particles.

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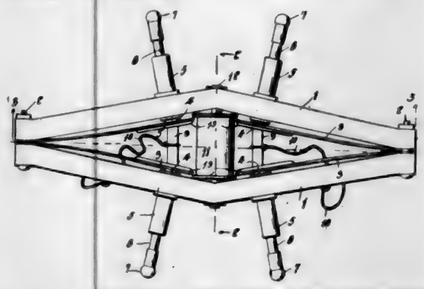
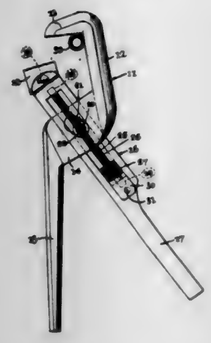
1,561,680. GAME TRAP. GEORGE A. BARNARD, Pembine, Wis. Filed Mar. 19, 1925. Serial No. 16,750. 4 Claims. (Cl. 43—94.)



1. In an animal trap, plates spaced apart intermediate of their ends, spring fingers secured between the plates, spring actuated plungers engaging said spring fingers, and a trip block adapted to be inserted between the spring fingers in setting the trap.



1,561,681. WRENCH. CHARLES W. BARNES, Mansfield, Ohio. Filed Nov. 22, 1924. Serial No. 751,483. 14 Claims. (Cl. 81—83.)



1. A wrench comprising a frame provided with a handle, a first jaw operatively connected to said frame, a lever provided with a handle disposed adjacent the handle of said frame, a second jaw pivotally connected to said lever to form with said lever a toggle based on the pivotal connection of said lever and said frame and the area of engagement of said second jaw with the article between said jaws, and means pivotally connecting said lever to said frame comprising a pin on said lever and a slot in said frame and so arranged that, in any adjusted position of said lever relative to said frame, said lever may be operated, by approachment of said handles, to move said second jaw into cooperating relation to said first jaw, and may then be further operated to translate said pivot to a point nearer the engaging area of said first jaw to thus cam said second jaw toward said first jaw and simultaneously straighten said toggle, to thus firmly clamp between said jaws the article there disposed.

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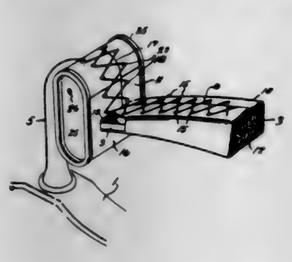
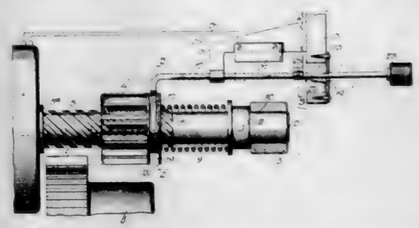
1,561,682. VEHICLE SPRING AND SHACKLE CASING. ALBERT B. BEITMAN, Cleveland Heights, Ohio, assignor to The Albe Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 4, 1922. Serial No. 541,007. 13 Claims. (Cl. 267—37.)



1. A combined spring and shackle casing comprising a cover of pliable material for the spring, said cover throughout its length fitting snugly about the spring and conforming in shape therewith, and a second cover similarly fitting the shackle and having an opening through which the end of the spring extends, said opening being a little larger than the cross sectional area of the part of the spring which extends through it, the covers being secured together about said opening and capable of yielding with respect to each other substantially according to the relative movements of the spring and shackle.

1,561,683. ENGINE STARTER. VINCENT BENDIX, Chicago, Ill. Filed Apr. 6, 1921. Serial No. 459,037. 11 Claims. (Cl. 290—38.)



1. An engine starter drive including a rotatable shaft, a driving member mounted thereon for longitudinal movement thereof and rotary movement therewith, and adapted for automatic engagement with and automatic disengagement from a member of the engine to be started, means tending to shift the driving member into engagement with such engine member, said driving member being mounted to rotate on the shaft as an incident to such longitudinal shifting by said means, and mechanism for restraining such means.

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1,561,684. BEAD CORE FOR PNEUMATIC TIRES. FRANK H. BEYEA, Akron, Ohio assignor to John R. Gammeter, Akron, Ohio. Filed Sept. 12, 1921. Serial No. 500,123. 18 Claims. (Cl. 245—1.5.)

1. A circular gromet comprising wire wound upon itself in a plurality of convolutions lying closely together, the wire having tapering sides.

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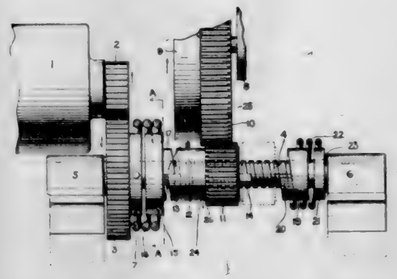
1,561,685. STARTING APPARATUS. JOSEPH BIJUR, New York, N. Y., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y., a Corporation of New York. Filed Nov. 5, 1914, Serial No. 870,357. Renewed Jan. 10, 1925. 15 Claims. (Cl. 74—7.)



2. In apparatus of the class described, in combination, an internal combustion engine, a motor, a threaded shaft driven from said motor, a gear threaded upon said shaft, a gear connected with said engine, said gears being posi-

tioned to come into mesh as said shaft is driven from said motor, and a disc spring surrounding said shaft and positioned to permit an endwise movement of said threaded shaft and tending to return it to normal position.

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1,561,686. DEVICE TO PREVENT ROTATION OF BOBBINS. HAROLD L. BLANCHARD, Northbridge, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 2, 1924. Serial No. 703,605. 10 Claims. (Cl. 139—245.)

1. In a weft replenishing mechanism for looms, a guideway to hold reserve bobbins as they await movement toward transfer position, a wall for said guideway mounted for pivotal movement about an axis substantially parallel to the direction in which the bobbins move in said guideway and extending adjacent the reserve bobbins, and means to move said wall pivotally to engage the bobbins in the guideway.

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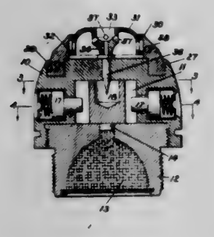
1,561,687. POINT-DETONATING FUSE. HAROLD M. BRAYTON, Dover, N. J. Filed Aug. 5, 1924. Serial No. 730,296. 5 Claims. (Cl. 102—39.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A fuse including a body formed with an eccentric cavity, a centrifugally released rotor mounted in the cavity, said rotor provided with a primer detonator and a blind cavity, said body being further formed with an annular groove in its forward face, an annular cap firmly held in the groove and formed with a fixed inturned rim, an air balanceable striker head movable within the cap, a fixed firing pin carried by the striker, the point end of said firing pin being normally disposed in the blind cavity but adapted to be withdrawn therefrom before rotation of the rotor, and a booster container threadedly secured to the body and closing the cavity.

1,561,688. ADJUSTABLE CONNECTER BETWEEN A SCALE BEAM AND SHELF LEVER OR PENDULUM. GEORGE W. BRITTON, Hamilton, Ontario, Canada, assignor to James P. Steedman, Hamilton, Ontario, Canada. Filed May 13, 1925. Serial No. 30,127. 4 Claims. (Cl. 265—62.)

1. A scale beam connecter, comprising the combination with the scale beam and pendulum, of a shackle having adjustable bearing blocks at the ends adapted to engage said members.

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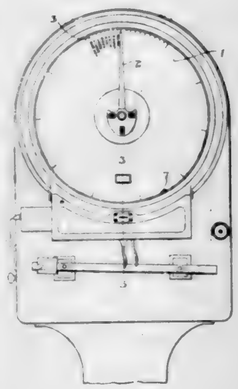
1,561,689. TYPE-REGISTERING SCALE. GEORGE W. BRITTON, Hamilton, Ontario, Canada, assignor to James P. Steedman, Hamilton, Canada. Filed May 13, 1925. Serial No. 30,128. 2 Claims. (Cl. 265—5.)



1. In a type registering scale, a dial having special classifying insignia thereon, and a printing ring having numerals corresponding with the numerals of the dial and type corresponding with the classifying insigna on said dial.



1,561,690. SKYROCKET. EDWARD H. BUCKLEY, Philadelphia, Pa. Filed Mar. 10, 1925. Serial No. 14,370. 4 Claims. (Cl. 102—23.)

1. A rocket stick consisting of a separable tube of light sheet material and containing granular material.

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1,561,691. BUILDER MECHANISM FOR WINDING MACHINES. JOHN S. BURNHAM, Biddeford, Me. Filed Nov. 21, 1923. Serial No. 676,075. 2 Claims. (Cl. 242—43.6.)

1. A gain control device for winding machines comprising a triple tread reversible pulley or drum, one tread being flattened to serve in the filler winding operation, and means rotatively supporting the pulley and permitting its reversal to eliminate the flattened tread so that the other two treads may be employed as in warp winding.

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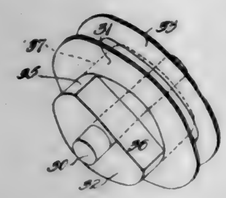
1,561,692. BUILDER MECHANISM FOR WINDING MACHINES. JOHN S. BURNHAM, Biddeford, Me. Filed Nov. 27, 1923. Serial No. 677,305. 2 Claims. (Cl. 242—43.6.)



1. A gain control device for winding machines comprising an adjustable drum or pulley having an outer annular tread member and an inner core member, the inner core member being removable and reversible and having a flat for filler winding purposes, the shape of the core member being such that arranged in one position it provides a tread part circular and part flat for filler winding and it also provides a hub for the outer tread member, means for securing the parts in said position but permitting their reversal so that the filler winding tread of the core becomes the hub of the outer tread member.

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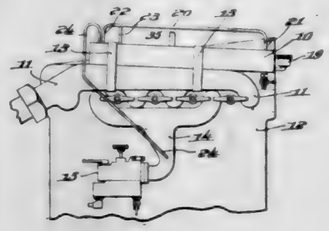
1,561,693. HUMIDIFIER FOR INTERNAL-COMBUSTION ENGINES. ERNEST CARTER, Melrose Highlands, Mass. Filed July 18, 1924. Serial No. 726,869. 3 Claims. (Cl. 123—25.)



1. A humidifier for internal combustion engines comprising a tank having a steam generating chamber, and a steam superheating chamber horizontally arranged and separated by a partition and in contact with a heated portion of an engine; said generating chamber having a plurality of outlets so arranged each with respect to the other that said chamber may assume an angular position causing the liquid therein to substantially seal one of said outlets while the other is unsealed and operative and arranged to conduct steam to said heating chamber.

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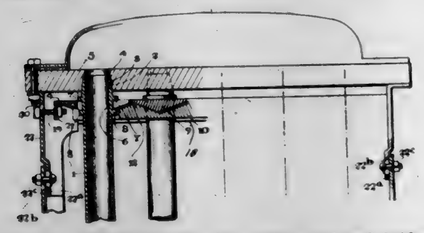
1,561,694. SCOOP ATTACHMENT FOR POWER-OPERATED EXCAVATING APPARATUS. BIRD C. CLUTTER, Akron, Ohio. Filed May 26, 1923, Serial No. 641,532. Renewed Apr. 18, 1925. 21 Claims. (Cl. 214—138.)

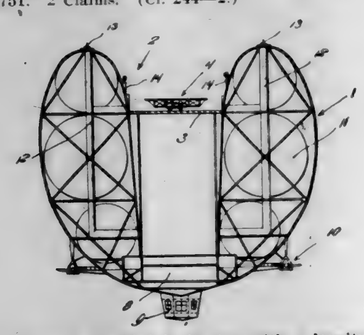
1. In a power operated excavating apparatus, a shiftable scoop, a shiftable boom having its lower end pivotally connected with the body of the apparatus, a hanger means pivoting on a support carried by the boom below the top thereof, a forward hanger element pivotally connected respectively to the scoop and with said means, rear hanger elements pivotally connected to the scoop and to said support, and an actuating device pivotally connected with the body of the apparatus and to said means for shifting the latter on said support to maintain the scoop horizontal, during the shifting of the latter.

1,561,695. AUTOMOBILE RADIATOR. CLINTON COSTELLOE and SHERM G. STOLL, Hammond, Ind. Filed June 13, 1921. Serial No. 477,137. 12 Claims. (Cl. 285—25.)



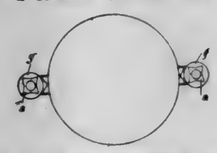
12. In combination with the casting and end bridges of a radiator, a tube having a flange, a sealing plate having a vari-sized opening of which the smaller is to fit around the tube for engagement of the plate with the flange, means by which said plate is attached at one end to an adjacent bridge, the other end of the plate being free, a companion sealing plate having a vari-sized opening of which the larger part is in position to enable movement of the tube, contacting wedge means on the confronting faces of the sealing plates, means by which the lower sealing plate is attached to the other end bridge, the other end of the plate being free, said attaching means being operable to cause movement of the lower sealing plate and the elevation of the tube into an opening in the casting, and means for sustaining the sealing plates.

1,561,696. DIRIGIBLE AIRSHIP. FRANK L. COVERT, Kirkwood, N. Y. Filed Dec. 13, 1924. Serial No. 755,751. 2 Claims. (Cl. 244—2.)



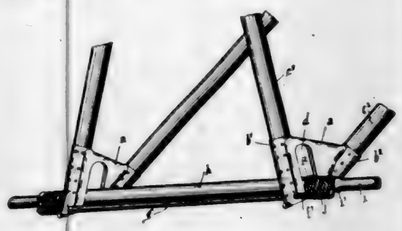
2. An airship provided in its top with a longitudinal centrally disposed depression forming a runway and a landing for aeroplanes, said depression increasing in width and decreasing in depth at its rear end, a vertical elevator shaft in the ship in communication with said runway, and in an elevator adapted to travel in said shaft.

1,561,697. AEROPLANE CONSTRUCTION. EMILE DEWOITINE, Toulouse, France. Filed July 8, 1924. Serial No. 724,856. 2 Claims. (Cl. 244—30.)



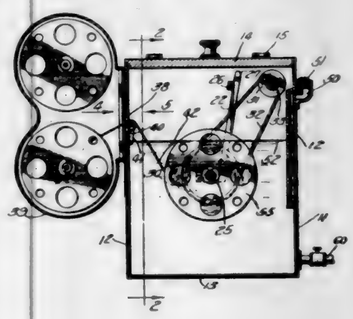
1. An engine frame for areoplanes which is mounted in the overhang position at the side of the main body and consists of discs, tubes, and cables connecting the said discs, forming a rigid structure to which is secured the plate supporting the engine, and tubes connecting the said structure with the aeroplane body.

1,561,698. LANDING CHASSIS AND TAIL SKID FOR AEROPLANES. EMILE DEWOITINE, Toulouse, France. Filed July 8, 1924. Serial No. 724,857. 3 Claims. (Cl. 244—2.)



1. A landing chassis for aeroplanes, comprising an axle carrying the landing wheels, struts secured to the aeroplane body, fittings assembling the ends of the said struts, said fittings having therein suitable slots open at the bottom, rods or studs disposed on either side of the said slot and perpendicular to the said fittings, elastic means connecting the ends of axle inserted into the slot with the said studs disposed on either side of the slot, and means closing the opening at the bottom of the said slot.

1,561,699. METHOD AND APPARATUS FOR DEVELOPING FILMS. VINCENT C. DE YBARRONDO, Los Angeles, Calif. Filed Sept. 21, 1923. Serial No. 664,020. 13 Claims. (Cl. 95—90.5.)

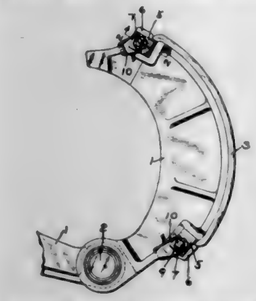


1. In a method of treating motion picture films in the development thereof, the step which consists of winding the film into roll formation in a bath of liquid, the convolutions of the roll being separated only by such of said liquid as is not forced from between said convolutions during the winding of the film.

1,561,700. BRAKE-SHOE CONSTRUCTION. SIDNEY G. DOWN, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 1, 1923. Serial No. 672,117. 2 Claims. (Cl. 188—234.)

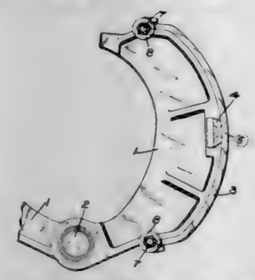
2. The combination with a brake head having an arcuate face and a thickened portion at each end of the arcuate face with a transverse slot between said thickened portion and the body of the brake head, of a brake shoe engaging said arcuate face and having an inwardly turned flange at each end engaging in the corresponding transverse slot in the brake head, a lug formed from each flange,





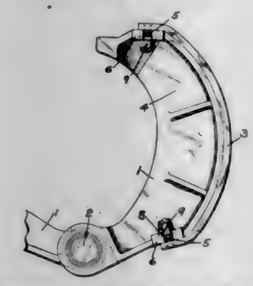
and a stud secured in each thickened portion of the shoe and adapted to engage in an opening in the corresponding lug.

1,561,701. BRAKE-SHOE CONSTRUCTION. SIDNEY G. DOWN, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 1, 1923. Serial No. 672,119. 3 Claims. (Cl. 188—234.)



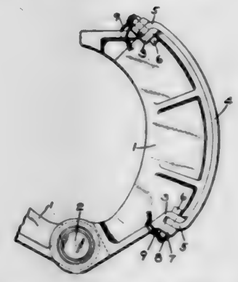
2. The combination with a brake head having an arcuate face and provided with a lug at each end of said face having a transverse recess, of a brake shoe formed to engage said arcuate face and having its opposite ends adapted to engage in said recesses, and a bolt extending through a transverse bore in each lug for securing said shoe in place.

1,561,702. BRAKE-SHOE CONSTRUCTION. SIDNEY G. DOWN, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 1, 1923. Serial No. 672,120. 2 Claims. (Cl. 188—234.)



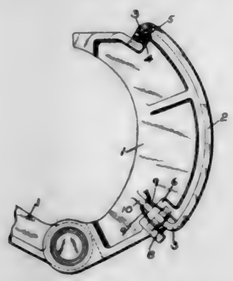
2. The combination with a brake head having an arcuate face and having a lug at each end of the arcuate face provided with a transverse slot, of a brake shoe formed to engage said face and provided with openings adapted to register with said slots, a bolt extending through each opening and slot for clamping said shoe against the brake head, and a washer on each bolt and engaging in a recess in each lug for preventing transverse movement of said shoe relative to said brake head.

1,561,703. BRAKE-SHOE CONSTRUCTION. SIDNEY G. DOWN, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. a Corporation of Pennsylvania. Filed Nov. 1, 1923. Serial No. 672,121. 2 Claims. (Cl. 188—234.)



2. The combination with a brake head having an arcuate face and apertured lugs at opposite ends of said face, each provided with a transverse slot, of a brake shoe formed to engage said face and having upturned ends adapted to engage in said slots and a wedge extending through the aperture in each lug and through an aperture in each brake shoe end, so as to present a wedging face to said brake shoe end for drawing the shoe into engagement with the brake head.

1,561,704. BRAKE-SHOE CONSTRUCTION. SIDNEY G. DOWN, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. a Corporation of Pennsylvania. Filed Nov. 1, 1923. Serial No. 672,122. 4 Claims. (Cl. 188—234.)

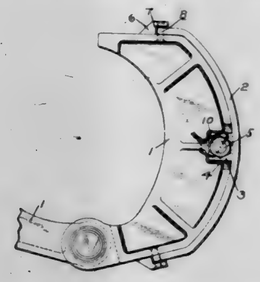


3. The combination with a brake head having an arcuate face and provided with longitudinally disposed dowel pins adjacent to opposite ends of the arcuate face, of a brake shoe formed to engage said arcuate face and having its opposite ends inwardly bent and provided with recesses adapted to receive said dowel pins.

1,561,705. BRAKE-SHOE CONSTRUCTION. SIDNEY G. DOWN, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1923. Serial No. 679,232. 2 Claims. (Cl. 188—234.)

2. The combination with a brake head having an arcuate face, of a brake shoe engaging said face and

provided with an inwardly extending centrally disposed lug, means for securing said lug to the brake head,



transversely slotted lugs on the brake head for receiving the opposite ends of the brake shoe, and pins associated with said lugs for engaging notches in said brake shoe.

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1,561,706. ELECTRIC WATER HEATER. ALLEN M. DUFFIE, Buffalo, N. Y., assignor to William H. Robinson, Buffalo, N. Y. Filed June 5, 1923. Serial No. 643,560. 7 Claims. (Cl. 219—39.)

2. In an electric water heater, in combination, a cylinder delimiting a heating chamber closed at its ends, said cylinder having an internal reflecting surface, an inlet pipe and an outlet pipe arranged at the opposite ends of said heater, a plurality of tubes connected to said pipes and having convolutions lying closely adjacent one another and arranged to form a cylinder which is fitted within said cylinder first named, said tubes being each of small diameter as compared with said pipes, and an electrical heating element arranged within the cylinder formed by said tubes.

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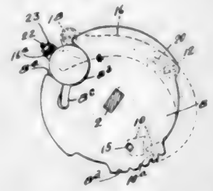
1,561,707. CHECK-CONTROLLED MECHANISM. ARTHUR H. DU GRENIER, Haverhill, Mass., assignor of one-half to Harold B. Woods, Hudson, Mass. Filed June 20, 1924. Serial No. 721,205. 4 Claims. (Cl. 194—102.)

1. In a check-controlled mechanism, a check-carrier comprising a rotatably mounted disk having an abutment and a peripheral check-receiving recess and operatively movable to carry a check therein from a receiving to a delivering position, a locking lever having means for normally holding one arm thereof in position to be engaged by said abutment to lock said carrier against operative movement at a point intermediate said positions, a supplemental lever engaged with said locking lever and having one arm thereof extending



transversely of the outer periphery of the path of movement of the checks, said arm having an adjusting screw therein arranged to extend normally into said path and to be moved therefrom by the check to move said locking lever out of locking position.

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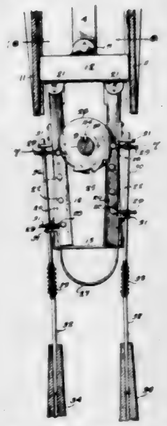
1,561,708. MECHANICAL MOVEMENT. JOHN HENRY FEAGAN, Atlanta, Ga. Filed Nov. 10, 1924. Serial No. 748,980. 5 Claims. (Cl. 74—54.)



1. In a device of the character described, a reciprocating member, a pair of bars hingedly connected thereto, spaced pins mounted in said bars, a driven shaft, a ratchet wheel mounted on said shaft and adapted to be alternately engaged by said bars to revolve said shaft in one direction, and timing mechanism connecting said reciprocating member to said shaft.

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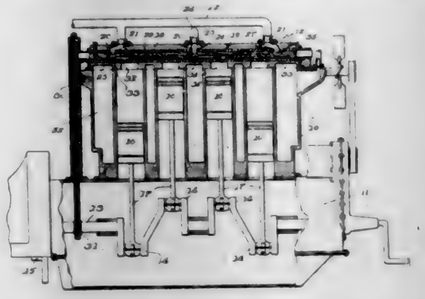
1,561,709. SLEEVE-VALVE MOTOR. EMMET W. FORAN, Custer, S. Dak. Filed Sept. 10, 1923. Serial No. 661,984. 1 Claim. (Cl. 123—190.)

In a multiple cylinder internal combustion engine, a head common to and closing the ends of all the cylinders, said head having a cylindrical bore therein, a sleeve stationarily mounted within said bore, the head having chambers communicating with the bore, and with the respective cylinders, said sleeve having a pair of ports at each chamber communicating therewith, and a solid cylindrical valve rotatably mounted within the sleeve and constrained from longitudinal movement, said valve having a central groove in its periphery and passages communicating at their inner ends with said groove, the valve having ports at its outer ends of said passages and at points intermediate the ends of the passages for communication with certain of said first named ports, the end portions of the valves being



provided with peripheral grooves registering constantly with exhaust passages formed in the head, said first named peripheral groove registering constantly with an intake passage formed through the head and the valve



being provided with longitudinally extending passages communicating at their outer ends with said exhaust ports and communicating at their inner and intermediate points with the remaining ones of said first named ports.

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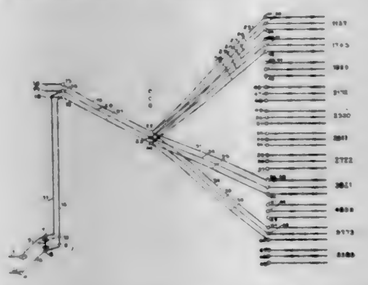
1,561,710. TELEPHONE SYSTEM. HERBERT M. FRIENDLY, Portland, Oreg. Filed Dec. 21, 1916. Serial No. 138,149. 37 Claims. (Cl. 179—18.)



1. In a telephone system, a plurality of subscribers' signal devices selectively responsive; a line extending to a central exchange and there branching to connector bank numbers having no numerical relationship, said connector bank numbers being accessible to connectors designed to impress currents of characters adapted to selectively actuate said signal devices.

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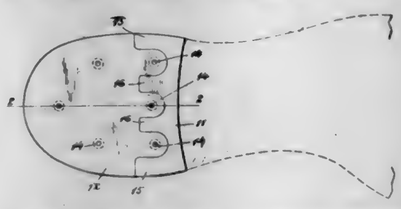
1,561,711. SHOE HEEL. JOHN R. GAMMETER and HARRY DEWHIRST, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed May 11, 1922. Serial No. 560,021. 1 Claim. (Cl. 36—35.)



A rubber heel comprising a hard-rubber attaching member forming the top and breast portions of the heel and extended downwardly to the lower tread surface at the breast edge, and a soft-rubber tread portion vulcanized to said attaching portion and formed with nail holes, the said breast portion being formed with indentations occupied by forward projections on the soft-rubber portion in which are located the front row of nail holes.

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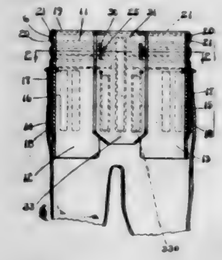
1,561,712. PROTECTIVE GARMENT. HUGO GOLDSMITH, Cincinnati, Ohio, assignor to The P. Goldsmith Sons Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 20, 1923. Serial No. 613,832. 2 Claims. (Cl. 2—23.)



2. In a protective garment a waist band comprising a pair of elongated fabric strips, for jointly encircling a wearer's waist, the ends of the strips meeting at substantially the centers of the front and back of the garment, a felt pad for each fabric strip, parallel rows of stitching connecting the pads to their respective fabric strips and providing a plurality of vertically spaced elongated pockets extending substantially circumferentially of the garment at the waist thereof, flexible protective strips in the pockets, a spine protector comprising a waist portion disposed at the adjacent rear ends of the fabric strips, and a depending portion flexibly connected with the waist portion thereof, means for detachably and adjustably connecting the waist portion of the spine protector to the adjacent ends of the fabric strips, and flexible thigh guards depending from the waist band.

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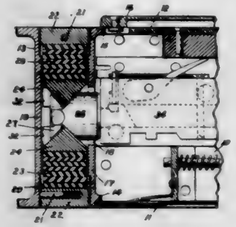
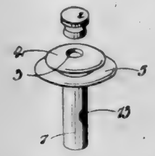
1,561,713. BUFFER MECHANISM FOR MACHINE GUNS. WALTER T. GORTON, U. S. Army. Filed July 11, 1924. Serial No. 725,439. 12 Claims. (Cl. 89—2.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



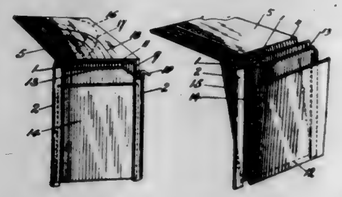
1. A buffer mechanism embodying a plug, said plug formed with opposite notches and opposite wings which are spaced by converging guides, and a plurality of buffer cams each of which is formed with an inclined surface and a slot converging with said surface at right angles theerto.

1,561,714. NONRETURN VALVE FOR FLUIDS. WILLIAM OLIVER SHAKESPEAR GREENER, Salcombe, South Devon, and JABEZ CLIFF TIBBITS, Walsall, England. Filed Dec. 10, 1923. Serial No. 679,764. 1 Claim. (Cl. 152—12.)



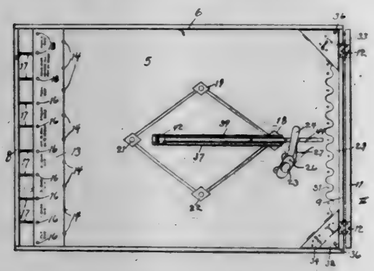
A non-return valve for fluids comprising an elastic tube having one end solid, its middle portion hollow, and its other end open, the walls of the tube being of unequal thickness, said tube having a slit arranged longitudinally in the thick part of the wall of the tube and intermediate its ends.

1,561,715. TOY BOOMERANG. CHARLES RICHARD GREGORY, London, England, assignor of one-half to Neil McBeath, London, England. Filed June 20, 1925. Serial No. 38,550. 1 Claim. (Cl. 124—12.)



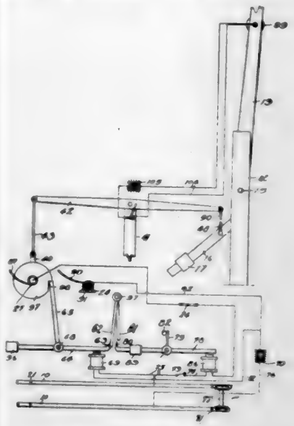
A toy comprising a base having a spring thereon, means, such as inturned flanges on the base for retaining a cover for the spring, a folder of which one end portion is held to the base by insertion between it and the aforesaid cover, its intermediate part constituting a facing or backing for the other side of the base, and its free end portion constituting a support for boomerangs in position to be discharged therefrom, said parts constructed and combined substantially as described.

1,561,716. BASEBALL GAMES. PORTER M. GRIFFITH, San Francisco, Calif. Filed July 16, 1924. Serial No. 726,353. 3 Claims. (Cl. 273—87.)



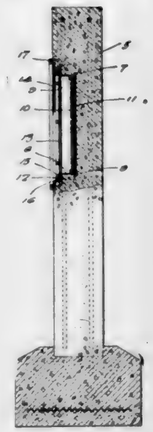
1. In a device of the character described, a box adapted to have its base inclined, a diamond formed on said base, an inclined runway positioned within said diamond, a trigger mounted within said runway, means for manipulating said trigger from a point beyond said runway, a pivoted batter positioned adjacent one end of said runway, and means for indicating the result of a ball propelled over said runway through contact with the bat of said batter.

1,561,717. AUTOMATIC CROSSING GATE. WILLIAM HARDER, Remsen, Iowa. Filed June 16, 1924. Serial No. 720,237. 14 Claims. (Cl. 246—128.)



1. In an automatic crossing gate, a balanced gate pivoted for movement in a vertical plane, a pair of rails insulated from the remaining rails in a railway track, a relatively small spring motor having a driven shaft, a crank arm thereon, operative means connecting the crank arm to the gate so as to move it from open to closed position and from closed to open position by rotation of the arm through periods of 180° respectively, means for locking the motor against movement when the gate is in open position, means actuated by the establishing of a circuit across the rails for releasing the locking means, second means for again locking the motor when the arm has rotated through 180°, and second means for releasing the motor, said second releasing means being actuated by the breaking of the circuit across the rails.

1,561,718. RECORD HOLDING AND DISPLAYING FRAME FOR TOMBSTONES, MONUMENTS, ETC. MELVIN T. HARMON, Price, Utah. Filed Dec. 1, 1924. Serial No. 753,319. 1 Claim. (Cl. 40—124.5.)



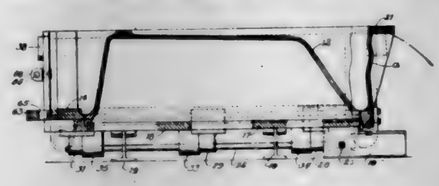
In combination with a monument, a relatively pan-shaped body embedded within one face of the monument and including an inner wall and side walls, said inner wall being bent over upon itself at its edges and said bent over portions merging into the side walls, a transparent closure for the pan-shaped body, nuts embedded into the monument, and bolts for engaging into the nuts and holding the transparency in place.



1,561,719. JACK. JOHN L. HARPER, Seattle, Wash. Filed May 17, 1922. Serial No. 561,596. Renewed Mar. 25, 1925. 5 Claims. (Cl. 138—9.)

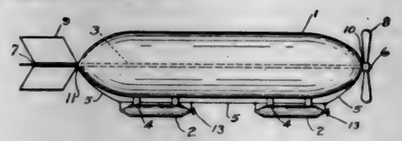
1. A jack of the class described, comprising a base cylinder, a piston movable within the cylinder and extending therefrom, a pump tube pivotally connected with the piston, a piston operable within said tube whereby a liquid pressure medium may be pumped from within the piston into the cylinder, a by-pass valve within the upper end of the piston having a stem extending therefrom, and means movable with the pump tube adapted to engage with the said stem to open the valve and permit a return flow of the liquid from the cylinder into the piston.

1,561,720. SAND MOLD. THOMAS A. HUGHES, Chicago, Ill., assignor to Wolff Manufacturing Corporation, Chicago, Ill., a Corporation of Illinois. Filed Sept. 28, 1923. Serial No. 665,264. 17 Claims. (Cl. 22—163.)



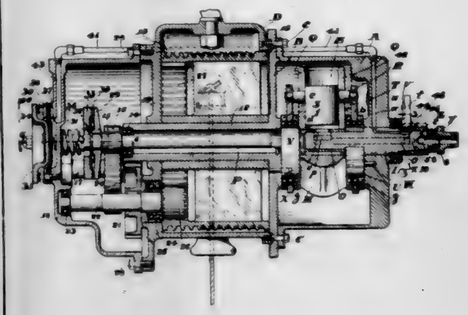
1. A flask member for use in forming sand molds having one or more outer walls formed to give a shape to the sand body rendering difficult vertical draw thereof, said one or more outer walls being mounted for movement away from said sand body prior to the drawing operation.

1,561,721. TOY DIRIGIBLE. JOSEPH A. HUMPHREY, Seattle, Wash. Filed Nov. 18, 1924. Serial No. 750,556. 1 Claim. (Cl. 46—37.)



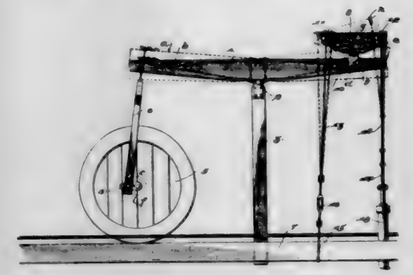
In a toy, a large cigar shaped bag with a plurality of smaller objects suspended below it, a stiffening bar extending through the bag, a propeller rotatably mounted on the forward end of the bar, vanes on the rear end of the bar, other propellers on the smaller objects and tubes connecting the smaller objects to the large bag.

1,561,722. MOTOR. FRANCIS A. JIMERSON, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 10, 1924. Serial No. 705,416. 3 Claims. (Cl. 188—170.)



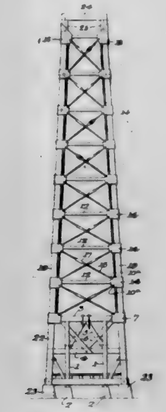
1. In a motor, the combination of a casing, a driving shaft, a brake disc for the shaft, a brake plate movable to and from the disc, a brake plunger, means connecting the plate and plunger to move together, springs interposed between the brake plate and the casing normally tending to force the plate against the disc, a pressure chamber opposite the plunger, a flexible diaphragm secured over the chamber and cooperating with the plunger and means for controlling a supply of pressure fluid to said chamber to control the operation of the diaphragm and the brake.

1,561,723. WALKING BEAM. JOHN O. KEEPOVER, Tulsa, Okla. Filed Aug. 3, 1925. Serial No. 47,963. 3 Claims. (Cl. 74—5.)



1. In combination with a main walking beam and pump rod, an auxiliary walking beam rockably mounted above and upon the main walking beam, means connecting one extremity of the auxiliary walking beam with the pump rod, and means to restrain the opposite end of the auxiliary walking beam producing an independent rocking motion of the auxiliary walking beam on rocking of the main walking beam and causing reciprocation of the pump rod, said means consisting of a flexible member having one end attached to the opposite end of the auxiliary walking beam and the other end to a fixture.

1,561,724. DERRICK. AMOS LEA KELTNER, Tulsa, Okla., assignor to Walker S. Estes, Tulsa, Okla. Filed Jan. 19, 1924. Serial No. 687,304. 6 Claims. (Cl. 20—0.5.)



1. A derrick comprising a frame work, reinforcing legs associated with the frame work but freely movable relative thereto, and separate foundations for the frame work and reinforcing legs.

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1,561,725. PENCIL. ALBERT C. KERLEY, Oakland, Calif. Filed Aug. 23, 1923. Serial No. 658,913. 2 Claims. (Cl. 120—84.)

1. In combination with a pencil, an outside casing, said casing having a longitudinal slot therein, a map within said casing, a roler having said map attached thereto, a plate, a lip formed thereon adapted to protrude through the slot, a shaft extending through said plate and said roller, and means to actuate said roller and map.

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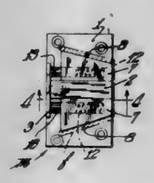
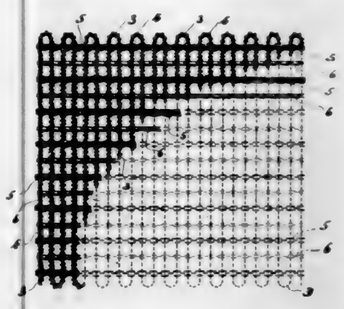
1,561,726. ADJUSTABLE DOVETAIL. GEORGE W. KERR, Springfield, Mass. Filed Jan. 7, 1924. Serial No. 684,764. 9 Claims. (Cl. 292—74.)



1. A self-adjusting dovetail comprising, a socket having inwardly converging walls, and a dovetail member adapted to be moved relatively thereto in a certain path into engagement therewith, said dovetail including a plate having a wedge guided therein adapted to move in a plane parallel to said path.

1,561,727. ABRASIVE FABRIC. RUSSELL B. KINGMAN, Orange, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a Corporation of Rhode Island. Original application filed May 16, 1924, Serial No. 713,724. Divided and this application filed May 2, 1925. Serial No. 27,410. 2 Claims. (Cl. 66—4.)



1. An abrasive fabric comprising weft threads gimped with metallic wire, yarn threads interconnected to and across said weft threads to produce an open mesh, and all-metal threads also interconnected across said weft threads in separated and alternated parallel relation to said yarn threads at desired intervals relative to the length of said gimped weft threads.

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1,561,728. WATERPROOF AND GREASEPROOF PAPER. LESTER KIRSCHBRAUN, Chicago, Ill. Filed Aug. 16, 1922, Serial No. 582,315. Renewed Apr. 30, 1925. 5 Claims. (Cl. 92—21.)

1. A paper consisting of fibrous web, bituminous material and the conversion product of sulphite liquor and formaldehyde.

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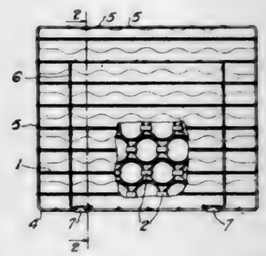
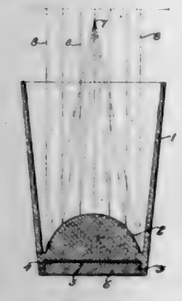
1,561,729. SPRING CUSHION OR MATTRESS. HARRY H. KNEPPER, Detroit, Mich. Filed Apr. 16, 1921. Serial No. 461,990. 1 Claim. (Cl. 5—353.)



In a cushion or mattress, a resilient body comprising a plurality of rows of coiled springs, the springs of each row being hingedly connected together, a separate fabric container for each row, the springs being normally of greater length than the depth of the container whereby the fabric of the container is held taut, and means for holding the several rows in assembled relation comprising a top and bottom border frame defining the outline of the cushion or mattress secured to the fabric containers and overlying the border springs of the group, and a secondary frame within the upper border frame overlying the springs adjacent the border springs and hingedly connected with the upper border frame at one side only.



1,561,730. DRINKING GLASS. ISAMI KODAMA, Meadow Brook, Pa. Filed Mar. 24, 1924. Serial No. 701,326. 5 Claims. (Cl. 272—8.)



1. A drinking glass having a perceptible object secured to its flat outer bottom face and having its inner bottom face substantially curved whereby the object is invisible or unrecognizable to one looking into the empty glass but clearly visible to one looking into the glass when filed or partly filled with a transparent liquid.

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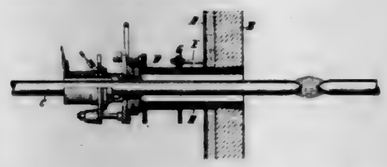
1,561,731. ELECTRIC-ARC FURNACE. FRITZ KOSTKA, Dusseldorf, Germany, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Filed Dec. 30, 1924. Serial No. 758,863. 4 Claims. (Cl. 204—64.)



1. In electric arc furnaces for melting metals the combination of an electrode with a tube surrounding the part of the electrode lying in the furnace wall and a sleeve of non-conducting material surrounding the tube, one end of the sleeve being embedded in the fire-proof furnace wall while the other end holds the metallic part of the packing for the electrode at such a distance from the wall of the furnace that short-circuiting is prevented.

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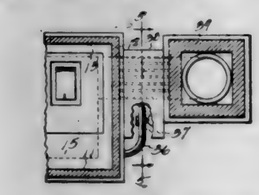
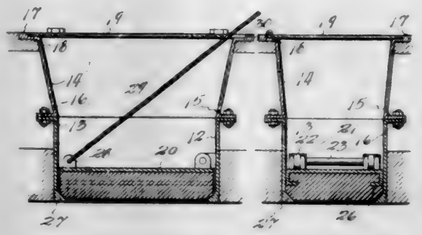
1,561,732. FORCED-DRAFT SYSTEM FOR INCINERATORS. GUS F. LENK, Dallas, Tex. Filed Aug. 1, 1924. Serial No. 729,649. 2 Claims. (Cl. 110—56.)



1. The combination in an incinerator of a burning chamber having grates and ash pits thereunder, a tunnel extending under the chamber, a stack spaced in close relation to the end of the tunnel, ducts connecting the end of the tunnel with the stack, a housing covering the ducts and having an air admitting opening on one side of said ducts, a suction fan drawing air through said opening transversely between the ducts, and means for conducting the air from the suction fan to the ash pits of the burning chamber.

1,561,733. CHARGING HOPPER AND COVER FOR INCINERATORS. GUS F. LENK, Dallas, Tex. Filed Aug. 1, 1924. Serial No. 729,650. 3 Claims. (Cl. 110—8.)



1. In a charging hopper and closure for incinerators, a hopper composed of an upper flaring portion and a lower vertical-sided portion detachably fastened to the upper portion, inwardly directed lips at the lower edge of the lower portion of the hopper, and a closure hinged in the lower portion of the hopper and having a removable facing of refractory material resting upon the lips.

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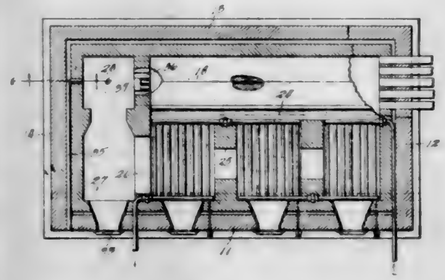
1,561,734. INTENSIFYING AND COMBUSTION CHAMBER FOR INCINERATORS. GUS F. LENK, Dallas, Tex. Filed Aug. 1, 1924. Serial No. 729,651. 4 Claims. (Cl. 110—8.)



1. In an incinerator, the combination with a burning chamber, of an intensifying chamber having its forward portion connected with the burning chamber, a pair of superposed doors in the front wall of the intensifying chamber, a combustion chamber in rear of the intensifying chamber, a transverse partition separating the last two chambers and having a restricted opening, an outlet leading from the combustion chamber, and an arched roof extending over the intensifying and combustion chambers above the inlet and outlet thereof and above the opening in the partition wall.

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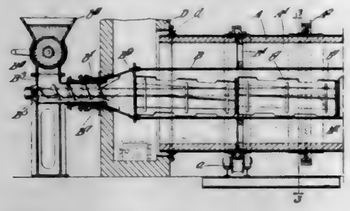
1,561,735. RETORT FURNACE. OWEN DAVID LUCAS, London, England, assignor to Vickers Limited, Broadway, Westminster, England, a British Company. Filed Mar. 31, 1924. Serial No. 703,309. 4 Claims. (Cl. 263—34.)

4. In a retort furnace, the combination of a rotory heat insulated cylinder, a second rotary cylinder mounted within the former cylinder so as to leave an annular space between it and the first-mentioned cylinder, the material to be treated passing through the second cylinder and the heating medium passing through said an-

nular space, a stationary perforated tube supplied with steam and located within said second cylinder, and breaker and conveyor elements carried by said tube,



said elements at certain points in the rotation of the cylinders coming into contact with the inner wall of the second cylinder to prevent the formation of scale thereon.

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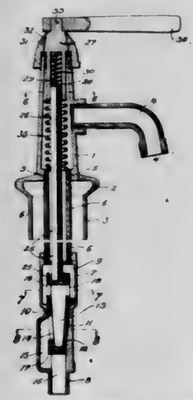
1,561,736. HYDRANT. CHARLES W. MENIGE, Philadelphia, Pa. Filed May 6, 1922. Serial No. 558,865. 3 Claims. (Cl. 137—13.)



1. A hydrant including a valve casing having an inlet, an outlet chamber, a frusto-conical valve seat converging downwardly from the outlet chamber and a conduit offset from and communicating with the inlet and valve seat; a turn plug in the seat provided with parts forming a passage between the conduit and outlet chamber, and means connected with the top of the plug for turning the plug.

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1,561,737. BARRIER FOR FERRYBOATS. JOHN H. MEYER, Union Hill, N. J. Filed May 22, 1922. Serial No. 562,630. 2 Claims. (Cl. 39—1.)

1. A device of the character described comprising a hollow cylindrical stanchion, a flared base plate integral with the bottom of said stanchion, a buttress web formed integral with said stanchion and base plate and extending from the top of said stanchion to said base plate, a cap piece adapted to be rigidly mounted in the top of said stanchion and having a guide passage therethrough, a block disposed for vertical movement in said stanchion, flexible barrier chains connected to said block and extending through said guide passages, and a compression spring disposed within said stanchion between said block and cap piece.

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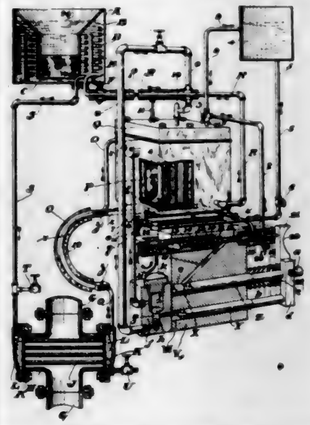
1,561,738. APPARATUS FOR FEEDING FUEL IN INJECTION ENGINES. RALPH MILLER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 29, 1921. Serial No. 518,688. 5 Claims. (Cl. 123—32.)



1. Apparatus for directly injecting high viscosity crude oils in a liquid state into a direct injection engine, comprising in combination with mechanical liquid fuel injection mechanism, of a fuel supply tank and means for heating the same, a heated preliminary pressure tank connected with the supply tank and means for subjecting the oil to preliminary pressure in said pressure tank without vaporization, and maintaining it under pressure in the said pressure tank in a liquid state, and means connecting the said heated pressure tank with the fuel injecting mechanism and engine.

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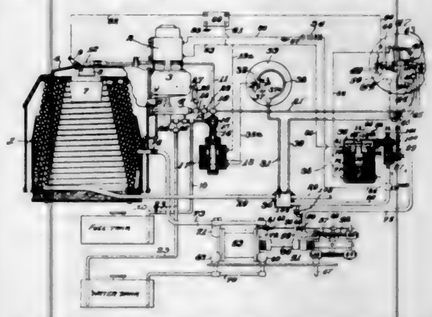
1,561,739. STEAM-GENERATING PLANT. EDWARD C. NEWCOMB, Scituate, Mass., assignor, by mesne assignments, to Standard Steam Corporation, St. Louis, Mo., a Corporation of Delaware. Filed Apr. 1, 1920. Serial No. 370,365. 5 Claims. (Cl. 122—428.)



5. In a steam generating plant, in combination with a generator, a liquid fuel burner for heating the same, a water pump operated by steam from the generator for supplying water to the latter, fuel feeding means, a motor for actuating the same, a magnet switch in the circuit of said motor, a valve interposed in the steam-line to the water pump, means for actuating said valve from the armature of said magnet switch, means responsive to



generator conditions for making and breaking the circuit of said magnet switch, whereby to automatically control the operations of said motor and said water pump, and a valved by-pass inserted in the steam line of the water pump for rendering the operation of said pump independent of the control of the magnet switch at the will of the operator.

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1,561,740. PROCESS FOR MAKING BRAKE SEGMENTS. IZADOR J. NOVAK, Bridgeport, Conn., assignor to The Raybestos Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Oct. 21, 1922. Serial No. 596,153. 7 Claims. (Cl. 18—47.5.)

1. A process of making curved friction elements consisting in saturating a blank with a fusible binder capable of having thermo plastic properties under given conditions, subjecting the saturated blank to an initial treatment by hot presses, then while the binder still possesses thermo plastic properties, forming the blank to desired curvature and then curing the same to make the binder infusible.

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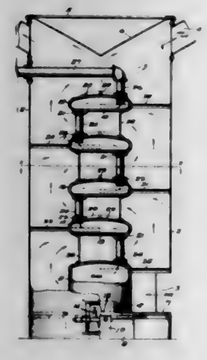
1,561,741. AIR HEATER. MILLARD L. PAGE, Redwood City, Calif. Filed Oct. 17, 1923. Serial No. 669,026. 3 Claims. (Cl. 126.)



1. An air heater comprising an outer casing having an air inlet opening adjacent the bottom and an outlet opening adjacent the top, a combustion chamber arranged within the casing adjacent the bottom, a plurality of vertically spaced oval drums arranged within the casing above the combustion chamber, said drums being provided with oppositely disposed inlet and outlet openings, nipples engaging in said openings and connecting the drums together in series and connecting the lower drum to the combustion chamber, an outlet conduit connected to the upper drum and baffle walls arranged in said casing and engaging said drums, to cause the air to travel freely in a smooth circuitous path sweeping the upper and lower surfaces of the drums.

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1,561,742. BOOK AND SIMILAR BINDING. WILLIAM P. PITT, Kansas City, Mo., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Feb. 11, 1921. Serial No. 444,188. 9 Claims. (Cl. 281—37.)

1. In a device of the kind described, a cover member comprising a flat body, a channel hinge member embracing one end of the body, a space adapted to receive a pintle being provided between the hinge member and the adjacent edge of the body, and a binding sheet embracing the hinge member and the body, substantially as set forth.

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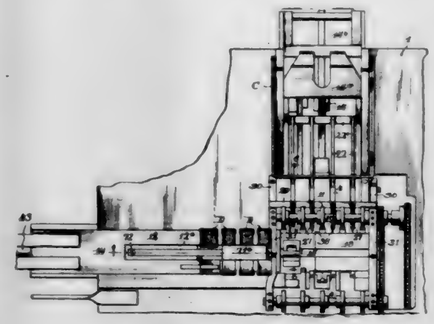
1,561,743. MACHINE FOR APPLYING WRAPPED ARTICLES TO FOLDERS. WILLET B. RANNEY, Chicago, and ARTHUR E. JOHNSON, Maywood, Ill., assignors to Wm. Wrigley, Jr., Co., Chicago, Ill., a Corporation of West Virginia. Filed July 9, 1925. Serial No. 42,352. 30 Claims. (Cl. 93—1.)



1. A machine of the character described, comprising means for feeding cards, provided with a package engaging tongue, along a predetermined path through the machine, and means for feeding wrapped packages into the path of said cards where the packages are attached to the cards by the passage of said tongues through said wrappers.

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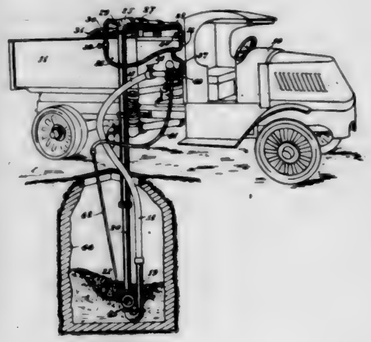
1,561,744. EDUCTOR. GEORGE B. RAYMOND, Danbury, Conn. Filed June 27, 1922. Serial No. 571,269. 1 Claim. (Cl. 214—65.)



In an apparatus of the character described, an elongated settling bed having a material receiving section at the rear end thereof, material conducting means having an inlet at one end and adapted to deposit at its other end into said material receiving section of the settling bed, and comprising a vertically disposed pipe section extending upwardly from said inlet, a transverse pipe section extending from the vertical section at the forward end of said settling bed, and a horizontal pipe section extending from said transverse section longitudinally of said settling bed to said depositing end, a hydraulic pump.

an ejector at said inlet end, conduit means connecting said ejector to said hydraulic pump for feeding water under pressure, said ejector adapted to lift material through said vertical section, an auxiliary ejector at the junction of said vertical and transverse sections directed axially through said transverse section, a second auxiliary ejector at the junction of said transverse and horizontal sections directed axially through said horizontal section, and conduit means connecting said auxiliary ejectors to said hydraulic pump for feeding water under pressure, valve means for controlling the feed of water to said auxiliary ejectors, and said auxiliary ejectors forming parts of the fittings which connect the pipe sections at their junctures.

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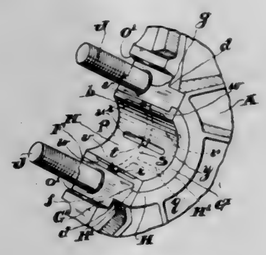
1,561,745. MAIN BEARING. SNOWDEN B. REDFIELD, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 4, 1923. Serial No. 629,767. 4 Claims. (Cl. 308—124.)



1. A main bearing comprising a main frame having a bearing seat, the opening of said seat being at an angle to the vertical, a cap covering said opening, means for securing the cap in place and a bearing in said seat, said bearing including two symmetrical bearing shells, and lubricating means for the inner bearing surface of said shells, said means including a lubricant recess in said cap; outer longitudinal grooves on said shells communicating circumferential cross grooves on said shells, said cross grooves communicating with the inner bearing surface, and inner longitudinal grooves adapted to distribute the lubricant throughout the bearing surfaces.

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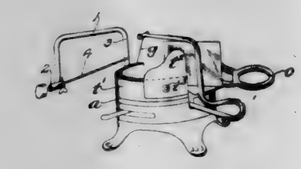
1,561,746. CHEESE-SLICING MACHINE. LUCIEN ARISTIDE JEAN JOSEPH REY and FRANÇOIS VICTOR ANDRÉ JOSEPH REY, Roquefort-sur-Soulzon, France. Filed Mar. 8, 1923. Serial No. 623,677. 1 Claim. (Cl. 31—22.)



A machine for slicing cheese vertically and horizontally comprising: a horizontal plate with a diametrical slot therein, a cutting member mounted in the slot, a cheese conveying member mounted in the plate, a steel wire carried on the cutting member to slice the cheese vertically and moving in the diametrical slot of the plate; a movable shovel with an adjustable shutter to receive and carry away the cut cheese slices; a socket secured at the periphery of the plate, an adjusting screw or bolt in the socket, a supporting member pivoted in the socket, a wire supported on the said member for horizontal cutting; and a guide-shutter, made of two parts serving to hold the cheese during vertical and horizontal slicing.

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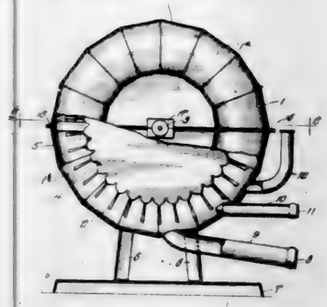
1,561,747. TOY TURBINE. WESLEY J. RHEINFRANK, Chicago, Ill. Filed Nov. 6, 1924. Serial No. 748,010. 6 Claims. (Cl. 253—136.)



1. A toy turbine comprising a rotor, and buckets therefor, said rotor being stamped from a piece of sheet metal in the form of a circle which is radially slotted and circumferentially slotted at the tip of the buckets for the purpose of bending and forming said slotted portions into said rotor buckets, the metal adjacent to said circumferential slots being bent to form sides and lips for the rotor buckets.

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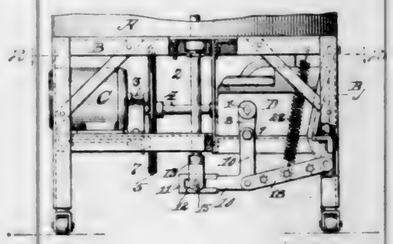
1,561,748. MECHANICAL MOVEMENT. JAMES G. SHERMAN, Belvidere, Ill., assignor to National Sewing Machine Company, Belvidere, Ill., a Corporation of Illinois. Filed Feb. 2, 1924. Serial No. 690,104. 3 Claims. (Cl. 74—14.)



1. A mechanical movement comprising a rotatable driving shaft, a crank arm on said shaft, a bent arm one end of which is pivotally connected to said crank arm, a fixed support, a link pivotally mounted at one end upon said support, said link being connected to and affording a movable fulcrum for the bent arm, a flexible tension member connected to said link and a pivotal and slidable connection between the other end of the bent arm and the driven shaft.

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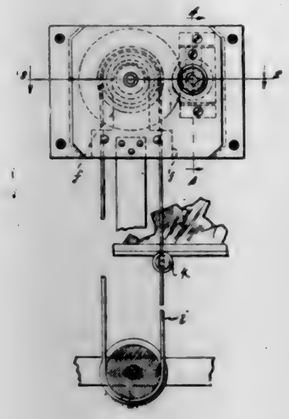
1,561,749. WINDOW REGULATOR. EMORY GLENN SIMPSON, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed July 17, 1922. Serial No. 575,460. 3 Claims. (Cl. 268—4.)

1. In a window regulator, the combination of a supporting member, a relatively large rotatable driven member, connections therewith for lifting the window,



a relatively small rotatable driving member having a driving relation with the driven member to reduce the rotations of the driven member considerably with relation to the rotations of the driving member, and a mul-



tiple plate friction clutch for interposing resistance to the operation of the regulator parts by forces coming from the window in conjunction with the resistance achieved by the adverse leverage existing through the proportions of the driving and the driven members.

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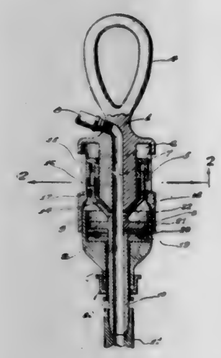
1,561,750. SWIVEL. ROBERT L. SMITH, Houston, Tex. Filed Sept. 19, 1923. Serial No. 663,623. 3 Claims. (Cl. 255—25.)



1. A rotary swivel comprising an upper hollow section, an eye projecting centrally therefrom, a cylindrical projection within the upper section having a through passage, a lower section screw threaded to the upper section, a rotary section having a shank rotatable in the lower section and projecting in same for engagement with the drill stem, a hollow head formed on one end of the rotary section encircling said projection, gasket means securing said head to said projection, a ring encircling the head and engaging against the interior surface of the upper section, a collar formed on said shank, an anti-friction means arranged between the collar and lower section.



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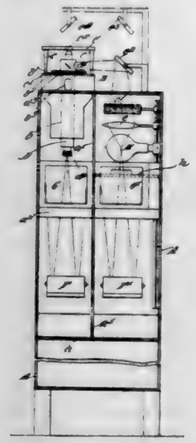
1,561,751. MICROSCOPE. ROBERT LOW SMITH, Westminster, London, England, assignor to Vickers Limited, Westminster, England, a British Company. Filed Feb. 14, 1925. Serial No. 9,075. 16 Claims. (Cl. 88—39.)



1. In a microscope of the inverted type, an integral block member formed with an axial hole adapted to receive the microscope tube and with its upper surface faced accurately at right angles to the tube hole.

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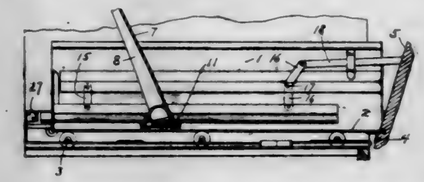
1,561,752. VERTICAL FILING DRAWER. FREDERICK L. G. STRAUBEL, Green Bay, Wis. Filed Feb. 25, 1922. Serial No. 539,083. 9 Claims. (Cl. 45—2.)



9. A drawer having a tiltable front, a tiltable follower, connections between the front and follower to cause a tilting or untilting movement of the front to impart corresponding movement to the follower, the said connections including a pair of members pivotally connected respectively on opposite sides of the drawer and both moved rearwardly of the drawer when the front is tilted out of its normal position, and an extension slide supporting the drawer and moving in the same direction therewith and having side portions disposed laterally of the drawer, the said side portions having a pair of stops disposed respectively in the path of the said members and adapted to engage the rear ends of the said members respectively to prevent a complete closing movement of the drawer while its front is tilted out of its normal position and to prevent the forward end of the slide from engaging the drawer front.

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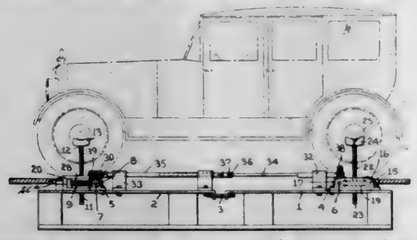
1,561,753. AUTOMOBILE JACK. THOMAS R. SWANNER, Luverne, Ala. Filed Mar. 18, 1924. Serial No. 700,103. 1 Claim. (Cl. 254—92.)

In an automobile lifting jack, the combination with a base, of forward and rear lifting jack screw rods, operating means for the jack screw rods, bearings for

the jack screw rods, said bearings consisting of brackets, each bracket comprising upper and lower plates with a worm between the plates threaded upon the jack screw rod, the plates being disposed above and below the worm, each jack screw rod passing loosely through the base and similarly through the bearing, each bearing having ball



bearings, and means for fastening the upper and lower plates of the bearings together and to the base detachably whereby, upon removing said securing means and moving said worms away from the jack screw operating means, the jack screw rods may be quickly and easily withdrawn from the base.

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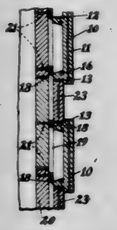
1,561,754. FACING BLOCK FOR FRAME BUILDINGS. JOHN TASEFF, Los Angeles, Calif. Filed Jan. 24, 1925. Serial No. 4,433. 2 Claims. (Cl. 72—20.)



1. A moulded facing block for frame buildings comprising a reinforced rectangular slab, ribs formed on the back side of said slab, locking pins fixed in said ribs so as to engage with adjacent blocks in the same course when being applied to a wall, and the wires fixed in said ribs, said tie wires being adapted to fasten said blocks to supplementary attaching means fixed to the side of a wall.

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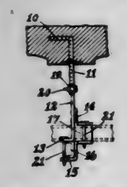
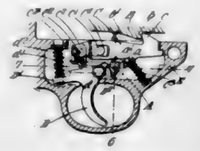
1,561,755. HANGER FOR SUSPENDED CEILINGS. JOHN TASEFF, Los Angeles, Calif. Filed June 23, 1925. Serial No. 39,008. 4 Claims. (Cl. 72—118.)



4. In combination with floorworks in buildings, hangers for suspended ceilings comprising anchor members fixed in the floorwork so as to project therebelow, extensible suspending members attached to said anchor members, two bifurcated holders formed on the lower end of said suspending members, one above the other and at right angles thereto, said bifurcated holders being adapted to receive the crossbars of a ceiling framework; retaining pins in said bifurcated holders and fastening means for holding metal lath or like material to said suspending members and crossbars.

1,561,756. TRIGGER MECHANISM OF MACHINE GUNS AND AUTOMATIC SMALL ARMS. LEONARD TUCKER, Clapham Common, London, England, assignor to Vickers Limited, Westminister, England, a British Company. Filed July 27, 1925. Serial No. 46,190. 7 Claims. (Cl. 42—3.)



1. In trigger mechanism for machine guns and automatic small arms having an adjustable device for enabling the weapon to be converted, at will, from an automatic weapon into a single fire weapon, the combination with the trigger, the pivoted sear and the firing member with which said sear engages, of means for mounting said sear so that it can move bodily as well as rock about its pivot, and a spring which, when said adjustable device occupies the "single fire" position, moves said sear in a rearward direction, when disengaged from the firing member, so as to disengage it from the trigger.

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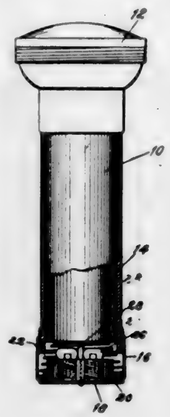
1,561,757. ELECTRIC FLASH LIGHT. CAMERON TURNER, Beverly, Mass., assignor to Motor Industries, Inc., Chicago, Ill., a Corporation of Illinois. Filed Oct. 30, 1922. Serial No. 597,976. 16 Claims. (Cl. 240—10.5.)



15. A flashlight comprising, in combination, a casing, a battery within the casing, a cap on the end of the casing, and a cylindrical spare-bulb carrier and a hollow spring concentrically arranged within the cap with the spring engaging the cape and the battery and urging the battery forward in the casing, the carrier being in the space longitudinally of the flashlight defined by the spring.

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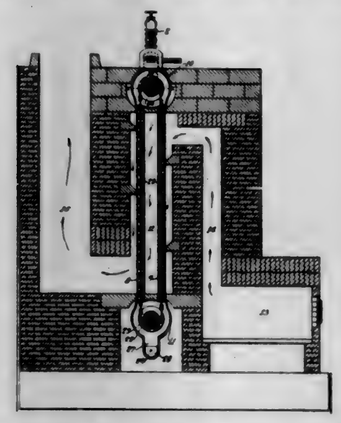
1,561,758. APPARATUS FOR DISTILLING OIL. GEORGE W. WALLACE, East St. Louis, Ill. Filed May 20, 1922. Serial No. 562,500. 6 Claims. (Cl. 196—122.)

4. A still for cracking oil, comprising a plurality of banks of tubes adapted to contain oil that is to be cracked, transversely-disposed headers at the ends of said tubes communicating with the tubes of the respective banks, a passageway in which said tubes are arranged,



means for causing products of combustion to circulate through said passageway longitudinally of said tubes, endless chains arranged in oppositely-disposed tubes of the respective banks, sheaves or the like in said headers around which said chains travel, means for actuating



said chains so as to remove carbon that collects on the interior of said tubes, a carbon collection chamber at the bottom side of one header, an outlet from said chamber, and means operable from the exterior of said chamber for discharging the carbon that collects in said chamber through said outlet.

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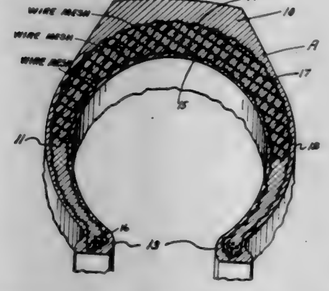
1,561,759. VEHICLE TIRE. WILLIAM O. WETMORE, Douglas, Ariz. Filed Oct. 22, 1923. Serial No. 670,196. 1 Claim. (Cl. 152—18.)




In a vehicle tire, a casing including a tread, side walls and beads formed on the side walls, inner and outer sheets of wire fabric embedded in the side walls and tread of the casing, the inner and outer sheets of fabric extending into the beads and connected together in said beads, longitudinally extending wire cables disposed in the beads between the inner and outer sheets of wire fabric, and sections of wire fabric disposed transversely of the casing connecting the inner and outer sheets of wire fabric together, the sections of wire fabric terminating in the side walls in spaced relation to the beads.

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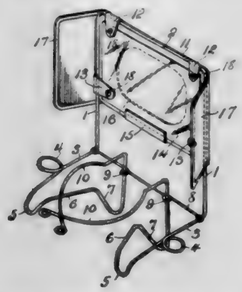
1,561,760. EYE PROTECTOR. MARTIN C. WHELAN, Kansas City, Kans. Filed Aug. 7, 1924. Serial No. 730,663. 6 Claims. (Cl. 2—11.)

3. In an eye protector of the kind described, a wire frame having rearwardly extending arms adapted to rest on the shoulders and having resilient portions adapted to embrace the neck of a person, a plate carried by said frame having a hole therethrough, and a



transparent shield secured to said plate and extending across said hole in front of the eyes when the said arms are engaged with the neck and resting on the shoulders.

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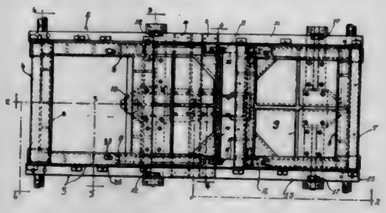
1,561,761. ASH GATE. FRANK B. ALLEN, Cynwyd, Pa., assignor, by mesne assignments, to Frank H. Dunbar. Original application filed June 28, 1922, Serial No. 571,404. Divided and this application filed Dec. 28, 1923. Serial No. 683,104. 11 Claims. (Cl. 110—165.)



7. A gate construction for a hopper having a bottom opening, comprising a gate frame having side members located on opposite sides of the opening, each side member having inwardly and outwardly extending flanges, a door for the opening having a set of wheels adapted to run on the said outwardly extending flanges and another set of wheels adapted to run on the said inwardly extending flanges, and means for actuating the door.

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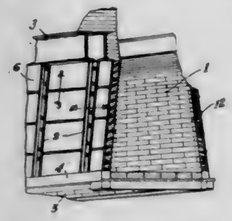
1,561,762. WALL CONSTRUCTION. FRANK B. ALLEN, Lower Merion Township, Montgomery County, Pa., assignor, by mesne assignments, to Frank H. Dunbar. Filed May 18, 1925. Serial No. 30,910. 7 Claims. (Cl. 189—8.)



1. A sectional metal wall for a hopper comprising a plurality of spaced metal uprights, a plurality of substantially rectangular imperforate cast iron wall plates disposed within and supported by the said uprights, each wall plate having a liner supporting flange cast inte-

grally with and extending at an acute angle to the inner side thereof, and a plurality of imperforate, yoke-like wall units engaging the inner surfaces of the said wall plates to press the same against the said uprights, the said units being secured to the uprights.

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1,561,763. COMPOSITE LAMINATED STRUCTURE AND METHOD OF MAKING SAME. HARRY N. ATWOOD, Monson, Mass., assignor to Rubwood, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Aug. 23, 1923, Serial No. 658,943. Renewed Feb. 11, 1925. 7 Claims. (Cl. 154—2.)

7. A composite laminated structure comprising plies of veneer having their cells and pores evacuated, and a bonding ply of rubber uniting the veneer plies and occupying the evacuated pores and cells.

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1,561,764. PNEUMATIC VEHICLE WHEEL. HARRY N. ATWOOD, Monson, Mass., assignor to Rubwood, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Aug. 23, 1923, Serial No. 658,944. Renewed Feb. 11, 1925. 23 Claims. (Cl. 301—63.)

9. In a vehicle wheel, a body comprising composite laminated sections of substantially circular form and each comprising a plurality of resilient body plies and intervening bonding plies, the mid portions of the sections being united and the peripheral portions thereof being outwardly turned to define the walls of a peripheral chamber surrounding the body, and a tread constituting the outer peripheral wall of the chamber and sustained by its first mentioned walls.

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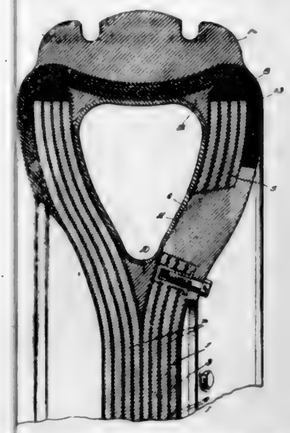
1,561,765. METHOD OF MANUFACTURING COMPOSITE VEHICLE WHEELS. HARRY N. ATWOOD, Monson, Mass., assignor to Rubwood, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Aug. 23, 1923, Serial No. 658,945. Renewed Feb. 11, 1925. 7 Claims. (Cl. 154—2.)

1. The method of manufacturing a composite wheel structure which comprises building up a body structure of body and bonding plies and shaping the peripheral portions of the plies to provide a peripheral chamber about the body, providing a cushioning air pocket in the



chamber, and building up a tread upon the assemblage thus formed closing the outer side of the chamber and adapted to be sustained by the air pocket.

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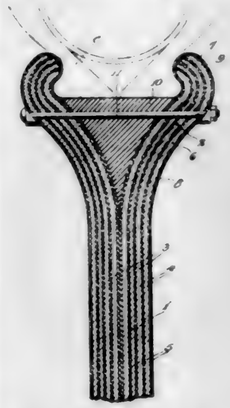
1,561,766. PNEUMATIC VEHICLE WHEEL. HARRY N. ATWOOD, Monson, Mass., assignor to Rubwood, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Aug. 23, 1923, Serial No. 658,946. Renewed Feb. 11, 1925. 9 Claims. (Cl. 301—63.)



4. A vehicle wheel comprising a body and a tire seating rim constituting an integral structure and made up of plies of veneer and intervening bonding plies of rubber material, and a cushion of soft rubber extending circumferentially within the rim and constituting a yieldable sustaining means for a tire seated in the rim.

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1,561,767. SULPHUR-CONTAINING ARTICLE. RAYMOND F. BACON and WILLIAM H. KOBRÉ, New York, N. Y., and PERRY H. BASCOM, Boundbrook, N. J., assignors to Texas Gulf Sulphur Company, Bay City, Tex., a Corporation of Texas. Filed Nov. 25, 1922. Serial No. 603,351. 2 Claims. (Cl. 91—68.)

1. A sulphur-containing article of the character described comprising a concrete structure having the interstices thereof throughout substantially its entire mass



filled with congealed sulphur, said article having a tensile strength at least ten times that of the concrete structure itself.

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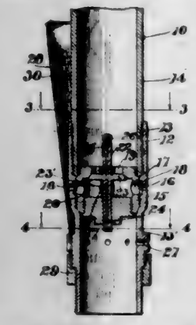
1,561,768. CEMENT BASKET. REUBEN C. BAKER, Coalinga, Calif., assignor to Baker Casing Shoe Company, a Corporation of California. Filed May 1, 1924. Serial No. 710,302. 9 Claims. (Cl. 166—1.)



1. In combination with a well casing disposed in a shaft, of means for creating a surrounding barrier between the well casing and the shaft at a desired point, comprising a valve structure disposed at a point along the length of the shaft, said valve structure having ports communicating with the exterior of the casing, and a check valve acting to permit the cementitious material to be forced outwardly from the casing through the ports, and a supporting structure disposed around the casing at a point below the ports whereby the cementitious material may be caused to accumulate in the space between the casing and the wall of the shaft to form a permanent barrier within the shaft surrounding the casing.

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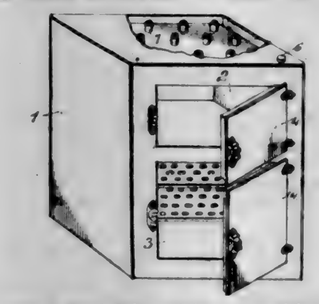
1,561,769. VACUUM-INSULATED CONTAINER. NEUAL W. BALLEW, Kansas City, Mo. Filed Oct. 26, 1921. Serial No. 510,520. 1 Claim. (Cl. 220—15.)



A vacuum insulated container comprising an outer air tight shell, two inner shells mounted therein and spaced apart therefrom and from each other, each inner shell having a doorway and a door therefor, the air between the shells being substantially exhausted, and insulating bracing members extending between the inner shells and between the latter and the outer shell, substantially as set forth.

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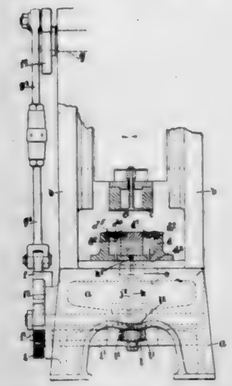
1,561,770. DRAW PRESS FOR SHEET METAL. GEORGE WILLIAM BERRY, Wakefield, England, assignor of one-half to Charles Joseph Rhodes, Wakefield, England. Filed Feb. 21, 1924. Serial No. 694,221. 25 Claims. (Cl. 113—38.)

1. In a draw press for sheet metal, cooperating movable and stationary dies, a pressure ring embodied in and movable relative to one of said dies, rack and pinion mechanism operative from a moving part of the press, a cam having a fixed axis actuated from said rack and pinion mechanism, and operative connections



between said cam and pressure ring operative through the movement of the cam to control the movement of said pressure ring and maintain the same under a uniform pressure during the drawing operation.

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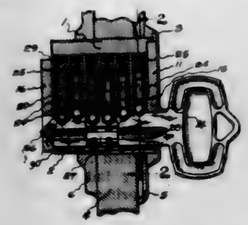
1,561,771. LOCK. FRANK ELLISON BEST, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed Mar. 18, 1922. Serial No. 544,918. 12 Claims. (Cl. 70—47.)



1. In a pin tumbler lock, a lock core having a key plug recess and having aligned transverse perforations at opposite sides of said recess affording unobstructed passageways through said lock core for pin ejecting tools.

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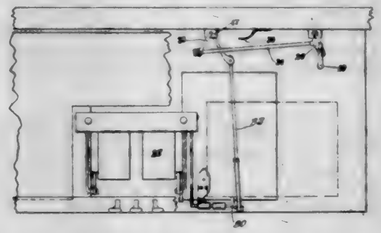
1,561,772. PLAYER PIANO. OSCAR H. CARLSON, New York, N. Y., assignor to Estey Piano Company, New York, N. Y., a Corporation of New York. Filed Dec. 20, 1919. Serial No. 346,246. 5 Claims. (Cl. 84—76.)



1. In a player piano, in combination, a case including a removable panel formed with a treadle opening, a movable closure carried by said panel, treadles arranged

for movement through said opening between idle position behind the panel and working position in front of the panel, means carried by said casing to move said treadles between said positions, mechanism carried by said panel and operable by said treadle-moving means when the panel is in place to close and uncover said opening subsequently to the movement of said treadles, and means to operatively connect said treadle-moving means with said closure-operating mechanism, said connecting means being arranged to permit the removal of said panel with the closure and the closure-operating mechanism carried thereby while the treadle-operating mechanism remains intact.

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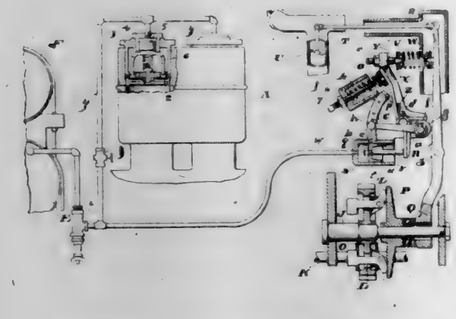
1,561,773. GOVERNOR CONTROLLER FOR INTERNAL-COMBUSTION ENGINES. ALLAN O. CARPENTER, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 21, 1923. Serial No. 658,598. 5 Claims. (Cl. 264—7.)



1. A unitary governor controller for regulating the operation of a centrifugal governor having a governor spring, said controller comprising a bracket adapted to be attached to an engine, a controller arm pivoted on said bracket, a device carried by and movable relatively to said controller arm for independently adjusting the tension of the governor spring, whereby the speed of the engine may be limited to a predetermined maximum without adjusting said controller arm, a pivoted controller lever and cam carried by the bracket for adjusting said controller arm, and means on the bracket cooperating with said controller lever for holding the lever in different positions of adjustment.

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1,561,774. TREATMENT OF WOOD SEPARATORS. CAMPBELL C. CARPENTER, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed June 21, 1923. Serial No. 646,986. 3 Claims. (Cl. 136—150.)

1. The process of treating wood battery separators which comprises treatment with ammonium hydroxide and eliminating the ammonia by treatment with caustic lime.

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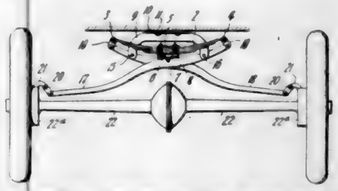
1,561,775. TREATMENT OF PLATES FOR STORAGE BATTERIES. CAMPBELL C. CARPENTER, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed June 22, 1923. Serial No. 647,191. 4 Claims. (Cl. 136—78.)

1. A process for treating storage battery plates which comprises applying sulphuric acid to the surface of the plate and simultaneously applying a rolling pressure to the plate surface.

1,561,776. RESILIENT SUSPENSION DEVICE FOR AUTOMOBILES AND LIKE VEHICLES. VICTOR RAOUL COLLARD, Balaclava, Victoria, Australia. Filed Mar. 20, 1923. Serial No. 626,266. 5 Claims. (Cl. 267—19.)



1. In a resilient suspension for motor vehicles, the combination with the vehicle chassis and axle, of a pair of levers pivotally connected at their outer ends to a fixed part of the vehicle, springs coupled together at their ends and pivotally connected at said coupled ends to and suported by the levers, and said levers adapted to engage and exert pressure on the springs intermediate the ends thereof simultaneously with the exertion of pressure on the end portions of the springs under conditions of shocks transmitted to the traction wheels of the vehicle.

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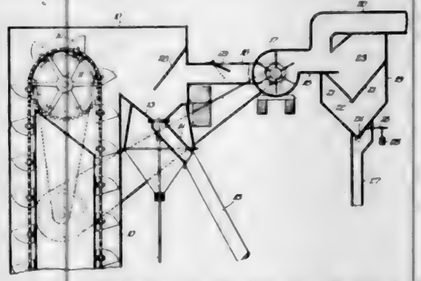
1,561,777. GRAIN CLEANER AND DUST SEPARATOR FOR ELEVATORS. ROY L. DOWDALL, Oberlin, Kans., assignor, by mesne assignments, of one-half to J. F. Martin, Oberlin, Kans. Filed Jan. 25, 1923. Serial No. 614,736. 3 Claims. (Cl. 130—17.)



1. In a grain cleaner of the character described, the combination with a grain elevator leg and head, of a fan connected on its suction side to said head, a discharge pipe for said fan, a grain receptacle directly communicating with the delivery end of said discharge pipe, and a dust discharge pipe communicating with said fan discharge pipe laterally of the latter and extending thence at a higher level than the top of said grain receptacle.

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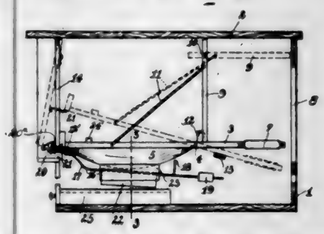
1,561,778. TRAP NEST. WILLIAM H. EDWARDS, Berkeley, Calif. Filed Apr. 16, 1923. Serial No. 632,216. 3 Claims. (Cl. 119—18.)



3. In a trap nest, a tilting nest, an exit door controlled by an egg-operated trigger, said trigger having a plate thereon and means to retain an egg on said plate to hold said trigger in released position until the hen leaves the nest and said nest tilts upwardly whereupon said egg is released.

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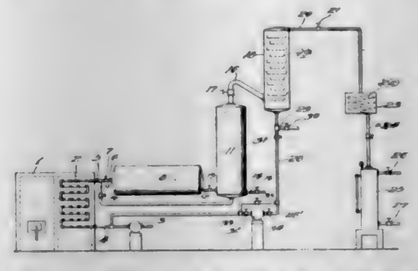
1,561,779. PROCESS FOR CRACKING PETROLEUM OIL. GUSTAV EGLOFF, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Oct. 19, 1923. Serial No. 669,451. 3 Claims. (Cl. 196—58.)



1. A process of cracking oil, consisting in passing the oil through a heating coil wherein it is subjected to cracking conditions of heat and pressure, in transferring a portion of the oil from said coil into a primary expansion chamber, in directing all of the oil constituents from said primary expansion chamber to a secondary chamber, and in introducing the remaining portion of the heated oil from said coil directly into the liquid oil in said secondary expansion chamber to increase the conversion therein.

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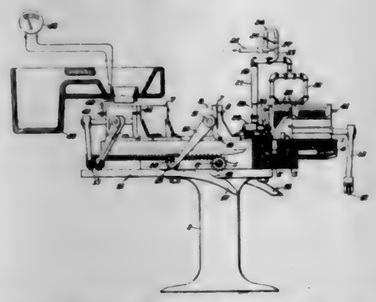
1,561,780. CASTING MACHINE. FRANK ENGEL, Syracuse, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed July 8, 1918, Serial No. 243,759. Renewed Feb. 2, 1925. 19 Claims. (Cl. 22—77.)



1. In a casting machine, in combination, conveying means, a plurality of moulds thereon having separable parts, and means associated with said moulds for automatically closing said parts upon one another and opening same with a shaking movement.

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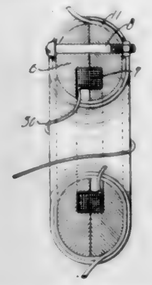
1,561,781. PROCESS OF TREATING CHEESE. WILLIAM FABHNDRICH, Brooklyn, N. Y. Filed Aug. 4, 1923. Serial No. 655,745. 3 Claims. (Cl. 99—8.)

3. The method herein described of treating cheese consisting in first cutting the cheese in small pieces, then treating these pieces in a hot bath until a doughlike mass is obtained, then adding to it an alkaline salt and milk sugar, inoculating the mass, while in a hot state, with a pure culture of the type of *Bacillus bulgaricus* and enclosing the same in sealed packages.

1,561,782. INDUCTANCE COIL. FREDERICK J. GIVEN, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1923. Serial No. 648,702. 4 Claims. (Cl. 175—360.)



1. An inductance device comprising a solenoidal winding, a form for supporting said winding and a second winding wound around said form and said first winding, said second winding having its turns substantially at right angles to the turns of said first winding and being substantially uniformly distributed over the entire external surface of said form and said first winding.

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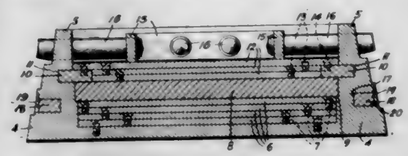
1,561,783. SAFE CONSTRUCTION. GUSTAVE M. GOLDSMITH and CARL BARTELS, Hamilton, Ohio, assignors to The Mosler Safe Company, Hamilton, Ohio, a Corporation of New York. Filed Apr. 4, 1924. Serial No. 704,115. 8 Claims. (Cl. 109—1.)



1. In safe construction, in combination, a metallic body constituting a front portion and jamb portions and having a central cavity, a metallic plate in the forward portion of said cavity, a section of material having special characteristics, highly resistant to drill or torch or to both, in said cavity to the rear of said plate, and a strip of material seated in an interior groove provided therefor in said body and extending beyond said groove and overlapping and abutting the rear edge portions of said section, whereby said section is held in place in said cavity.

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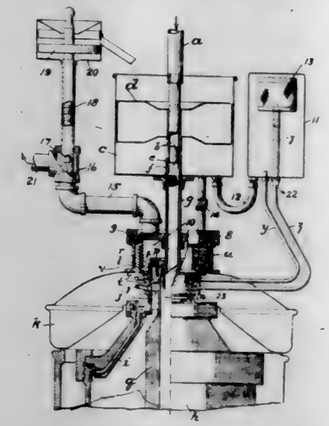
1,561,784. NONAERATING APPARATUS FOR CENTRIFUGALLY PURIFYING LIQUIDS. SELDEN H. HALL, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 8, 1924. Serial No. 742,843. 35 Claims. (Cl. 233—1.)

35. In an apparatus for centrifugally purifying liquids, the combination with a centrifugal separating bowl having a neck through which the purified liquid is discharged, of means to feed liquid to said bowl and to control the feed to prevent overflow thereof and substantial contact of air therewith, a passage adapted to receive the purified liquid discharged from the bowl and having a liquid outlet but otherwise closed, means on said outlet to cause the pressure in said passage to be greater than atmospheric, a bearing around the neck of the bowl, means to supply liquid to said bearing

relatively near the liquid discharge end of said neck, means for escape of liquid from said bearing relatively distant from the liquid discharge end of said neck, means on said neck tending to cause a flow from said supply



means toward the liquid discharge end of said neck and toward the escape means and means tending to cause a flow of fluid from the end of the bearing most distant from the liquid discharge end of the neck toward the escape means.

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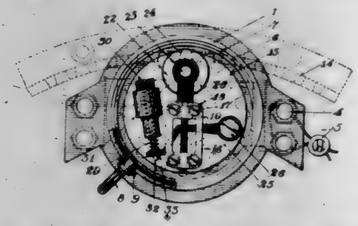
1,561,785. AUTOMATIC SPEED CONTROLLER. JOHN W. HILL and HENRY C. HILL, Wyoming, Ohio. Filed Jan. 19, 1925. Serial No. 3,539. 4 Claims. (Cl. 200—80.)



1. An automatic speed controller for automobiles, mounted upon and driven by the running gear of the vehicle, comprising a circular case closed by a hermetically sealed cap, a rotatable shaft mounted in the hub of said case, said shaft having a pinion on its outer end taking motion from the running gear, and provided at its inner end with a rigidly attached disc and driver mechanism rotating with said shaft, a radially sliding bolt mounted upon and actuated by said driver, an adjustable spring to resist the outward sliding movement of said bolt, a lever communicating motion from said bolt to said adjustable spring, an adjustable spring barrel to regulate the compression of said spring, a roller mounted upon the outer end of said bolt, and an insulated contact ring mounted in the rim of said case, which is impinged by said roller when the predetermined speed limit has been reached and closes an electric circuit.

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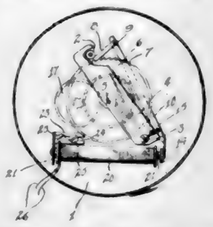
1,561,786. CLOCK MECHANISM. HUBERT M. HUBMANN, Wallace, Idaho. Filed Dec. 8, 1924. Serial No. 754,580. 3 Claims. (Cl. 58—26.)

2. A clock mechanism comprising a base plate, a pair of posts carried thereby, a bar secured to said posts, a shaft journaled between said base plate and said bar, a ratchet carried by said shaft, a lever, a pawl pivotally connected with said lever and arranged to engage the teeth of said ratchet, one end of the pawl being movable into contact with one of said posts, a pivoted shaft, a



leaf spring extending through said pivoted shaft and bearing at one end on the other of said posts, and frictional means for mounting said lever on said pivoted shaft, said pivoted shaft being movable relatively to said lever to increase or decrease the tension of the spring.

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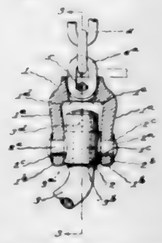
1,561,787. CHAIN COUPLING. DAVID W. JONES, Cleveland, Ohio, assignor to David Round & Son, Cleveland, Ohio. Filed July 23, 1924. Serial No. 727,650. 5 Claims. (Cl. 59—86.)



1. A chain shackle comprising a forged one-piece clevis having a pocket in its base portion the side walls of which diverge from the arms and the end walls of which converge from said arms to receive and support a chain link.

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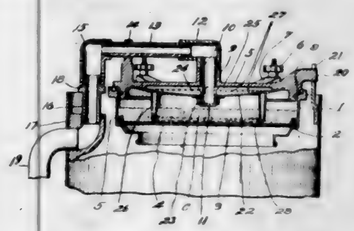
1,561,788. LEACHER BUCKET. HENRY D. KELLY, Kansas City, Mo. Filed July 13, 1925. Serial No. 43,213. 5 Claims. (Cl. 53—3.)



1. A leacher bucket, a cover for said bucket, and a partition depending from said cover and forming a plurality of compartments within said leacher bucket.

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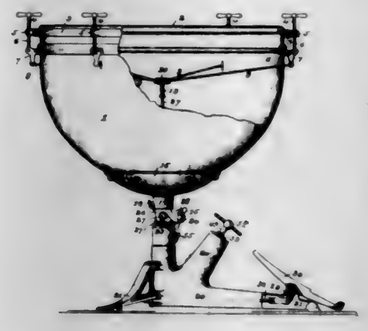
1,561,789. TUNING MEANS FOR DRUMS AND THE LIKE. WILLIAM F. LUDWIG and ROBERT C. DANLY, Chicago, Ill., assignors to Ludwig & Ludwig, Inc., Chicago, Ill., a Corporation of Illinois. Filed Sept. 18, 1923. Serial No. 662,400. 22 Claims. (Cl. 84—419.)

1. In a musical instrument, the combination of a resonant member, tensioning means for said member, a balancing means of the stored energy type, and a reverse



motion member, one side of which is connected to said tensioning means and the other side to said balancing means and operating to vary the force of the balancing



means in a manner corresponding with the variation in the stress of said tensioning means on the resonant member.

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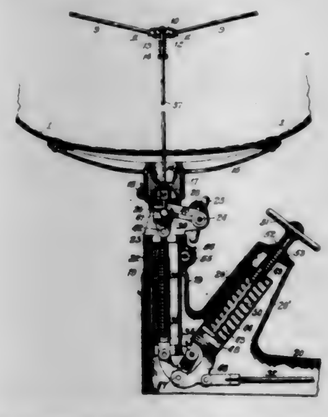
1,561,790. ADJUSTABLE SUPPORT FOR TYMPANI AND THE LIKE. WILLIAM F. LUDWIG and ROBERT C. DANLY, Chicago, Ill. Filed Jan. 2, 1925. Serial No. 76. 4 Claims. (Cl. 84—421.)



1. In a musical instrument, the combination of a main shell, a support, an adjustable connection between said support and said shell, a resonant head and its carrying hoop fitting an end of said shell, hand actuated means for adjusting the resonant head to the lowermost tone of the scale required, a pedal actuated mechanism mounted on said support and operatively connected to said hand actuated means by an adjustable connecting member, and means for effecting simultaneous and co-ordinate adjustment of said connecting member and the adjustable connection between the shell and support.

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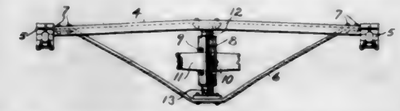
1,561,791. TRUSSED BRAKE BEAM. ALONZO C. MATHER, Chicago, Ill. Filed Sept. 19, 1923. Serial No. 663,634. 2 Claims. (Cl. 188—232.)

1. A trussed brake beam comprising a compression member having brake shoes secured to its ends, a tension member connected at its ends to the compression member adjacent the brake shoes, a strut between said compression and tension members, said strut comprising three members, one section connected rigidly to the compression member at its center and having a screw-threaded lug, a duplicate section connected rigidly to the tension mem-



ber at its center having a screw threaded lug and a third or intermediate section having screw-threaded ends to receive said lugs.

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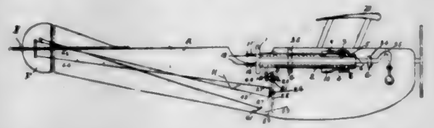
1,561,792. CONTROLLING MECHANISM FOR FLYING MACHINES. ROBERT ELVYN MITTON, Salt Lake City, Utah, assignor to The Mitton-Braley Aeroplane Control Company, Salt Lake City, Utah, a Corporation of Utah. Filed Jan. 6, 1923, Serial No. 611,096. Renewed May 19, 1925. 2 Claims. (Cl. 244—29.)



1. A controlling mechanism for flying machines of the character described comprising a control wheel and a pendulum for controlling said mechanism, said control wheel having a sleeve projecting therefrom, locking pins passing through said sleeve, spring means for holding said locking pins within said sleeve, means for securing said springs to said sleeve and locking pins, a shaft within said sleeve, lifting wedges having notches therein for holding said locking pins in an unlocked position, said lifting wedges having handles thereto, said handles resting in grooves in said sleeve, means for holding said handles in said grooves, said handles projecting through said control wheel in front of the pilot, said sleeve having hangers projecting therefrom for supporting a swivel bearing, a ball secured in said swivel bearing having a hole therein through which operates the upper end of the control lever, the control lever supported by a universal bearing, said universal bearing having shafts projecting therefrom, the ends of said shafts having horns secured thereto, said horns for receiving the wires running to the elevators, means on the lower end of said control lever for attaching the control wires to the ailerons, means for securing said mechanism to the aeroplane.

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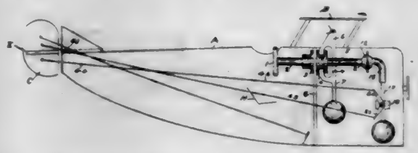
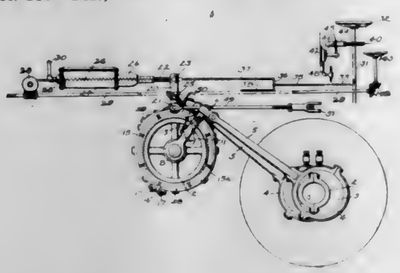
1,561,793. CONTROLLING MECHANISM FOR FLYING MACHINES. ROBERT ELVYN MITTON, Salt Lake City, Utah, assignor to The Mitton-Braley Aeroplane Control Company, Salt Lake City, Utah, a Corporation of Utah. Filed Jan. 6, 1923. Serial No. 611,097. Renewed May 19, 1925. 5 Claims. (Cl. 244—29.)



5. A controlling mechanism for flying machines of the character described comprising a control wheel and a pendulum, said pendulum to give a sliding movement to a shaft secured to said control wheel, said pendulum secured to said shaft by means of a ball and socket, said pendulum supported by a swivel bearing and means on said swivel bearing for operating the elevators.

1,561,794. BRAKE. PETER L. PETERSON, Manti, Utah. Filed Dec. 29, 1922. Serial No. 609,691. 11 Claims. (Cl. 188—141.)



5. In a car brake, the combination with a braking member, of a pressure actuated member having connection with said braking member, a spring having connection with said braking member and with said pressure actuated member, manually controlled means for varying the tension of said spring, a brake drum arranged within the braking member, and means designed to rotate the brake drum from an axle of the car.

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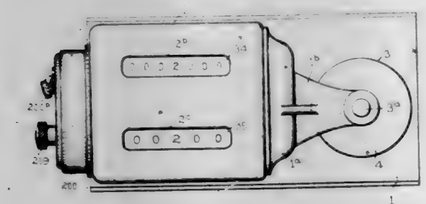
1,561,795. CONTROLLER FOR POSTAGE-METER MACHINES AND THE LIKE. ARTHUR H. PITNEY, Stamford, Conn., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Filed Oct. 2, 1923. Serial No. 666,113. 91 Claims. (Cl. 101—91.)



1. For a machine of the character specified having a meter, a removable controller adapted to be placed in the meter or removed therefrom, and means whereby when the controller is inserted in the meter the latter will be rendered operative, and when the controller is removed from the meter it is rendered inoperative.

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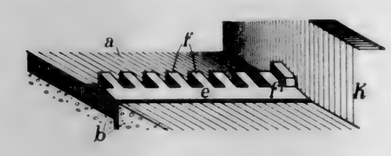
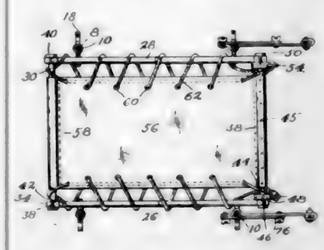
1,561,796. SPILLWAY APRON. THEODORE REHBOCK, Karlsruhe, Germany. Filed Mar. 30, 1925. Serial No. 19,468. 2 Claims. (Cl. 61—18.)



1. In combination with a spillway apron, a low sill disposed at the extreme down-stream end of said apron and at the exit of the water from the surface eddy formed by the water on said apron, said sill being provided with a series of teeth having a steeply inclined face directed up-stream.

1,561,797. COMBINED TENT AND BED. JULIUS RUMPEL, Weston, Mo. Filed Apr. 18, 1924. Serial No. 707,417. 1 Claim. (Cl. 5—216.)



A bed consisting of a plurality of legs, brackets associated with said legs, two side rails carried by said brackets, an end rail connected to said side rails at one end thereof, a windlass operably associated with said side rails at the end opposite said end rail, a mattress connected to said end rail and windlass and adapted to be drawn taut by the latter, and cables rove through eyelets in the longitudinal margins of said mattress and extending around the end and side rails and connected to said windlass to secure the same from backward rotation.

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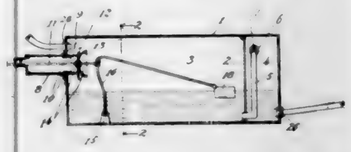
1,561,798. MEANS FOR SUPPLYING WATER. JOHN ELLERY SARGENT, Morgan, Ky., assignor of one-half to W. M. Northcutt, Morgan, Ky. Filed Sept. 19, 1921. Serial No. 501,653. 2 Claims. (Cl. 137—68.)



1. In a device of the character specified in combination with a tank adapted to be submerged in liquid in a repository, automatic valve mechanism arranged to be operated when the liquid in the tank falls below a certain level, and means for maintaining pressure in said tank to force liquid therefrom, a secondary chamber, means of communication between said tank and secondary chamber so that liquid in the tank is forced, under pressure, into said secondary chamber, and a valve arranged to close when the pressure in the tank falls below that in said secondary chamber.

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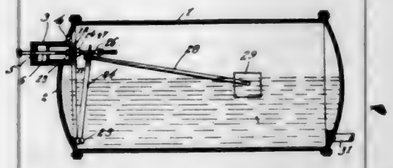
1,561,799. MEANS FOR SUPPLYING WATER. JOHN ELLERY SARGENT, Morgan, Ky., assignor of one-half to W. M. Northcutt, Morgan, Ky. Filed Dec. 19, 1923. Serial No. 681,535. 4 Claims. (Cl. 137—104.)



4. In a device of the character specified, valve mechanism comprising a housing, one end of said housing being arranged to form a valve seat, a bearing in the other end of said housing, a valve stem arranged to reciprocate in said bearing, a flexible valve secured to said stem, a bearing frame secured to said stem and arranged to bear slidably inside said housing, a valve plate having a convex surface arranged to bear against said valve to cause it to seat, a float, means for frictionally holding said valve stem in either open or closed position, and means whereby said float is arranged to operate said valve against said friction when liquid in the tank reaches predetermined levels.



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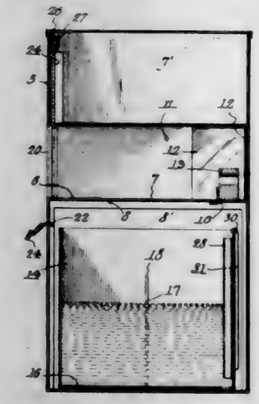
1,561,800. RAT TRAP. GEORGE SAVARD and MOSES E. ST. AMOUR, Faust, N. Y., assignors, by direct and mesne assignments, of one-half to said George Savard and one-half to Napoleon Grenier, Faust, N. Y. Filed May 17, 1924. Serial No. 714,100. 2 Claims. (Cl. 43—69.)



1. A trap including a body portion, a partitioning member in the body portion dividing the body portion into upper and lower compartments, a trap door in the partitioning member and adapted to operate under the weight of an animal to drop the animal into the lower compartment, a closure for closing the upper compartment, a tank disposed in the lower compartment, a float in the tank, means for connecting the float and closure to cause the closure to move to its closed position when the float is elevated.

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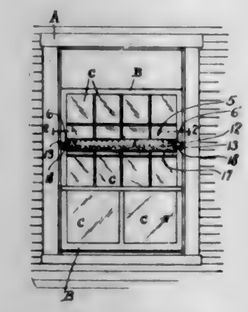
1,561,801. WINDOW-CLEANING DEVICE. ELMER E. SHIPLEY, Washington, D. C. Filed Sept. 29, 1924. Serial No. 740,556. 5 Claims. (Cl. 15—250.)



1. A window cleaning device of the character set forth, comprising an extensible bracket adapted to be removably attached transversely of a window, a brush supported by the bracket with its bristles directed toward the panels of the window, and a fabric wiper yieldingly supported against the panels of the window by the bristles of the brush.

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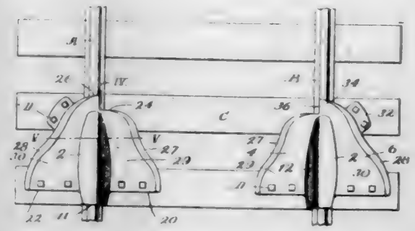
1,561,802. RERAILING FROG. HENRY D. SHIVELY, Trenton, Mo. Filed June 19, 1924. Serial No. 721,028. 1 Claim. (Cl. 104—270.)



In a car replacer a longitudinal rib adapted to fit over a rail, forwardly diverging wing plates extending from opposite sides of said rib and sloping upwardly towards their forward ends and longitudinal margins, a guide at the forward end of one of said wings which rests upon the ball of the rail and has one margin flush with the inner margin of said ball, and flanges sloping upwardly and forwardly from the margins of said wing plates and one of which extends to the forward end of and reinforces said guide while the other terminates in a line with the rear end of said guide.

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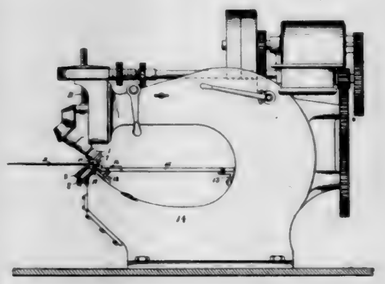
1,561,803. STRIP-STRAIGHTENING ATTACHMENT FOR ROTARY SHEARS. HENRY COLLIER SMITH, St. Marys, Ohio. Filed Dec. 7, 1921. Serial No. 520,541. 20 Claims. (Cl. 164—61.)



1. In combination with a shear provided with a pair of conical rotary cutters, and conical rolls co-axial with said cutters to grip severed strips between them.

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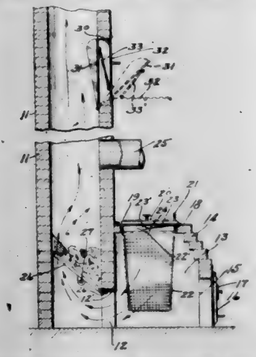
1,561,804. INCINERATOR. CARL THEODOR STOHR, St. Paul, Minn. Filed Feb. 8, 1924. Serial No. 691,368. 6 Claims. (Cl. 110—18.)

1. The combination with a chimney, of an incinerator comprising a primary combustion chamber located at the exterior thereof, provided at its top with a damper-equipped door, and at its lower portion connected to the

lower portion of said chimney, a removable garbage basket supported within said primary combustion chamber below the damper-equipped top thereof, the top door of said



primary combustion chamber being hinged and the damper thereof being arranged to slide to a closed position when said door is opened.

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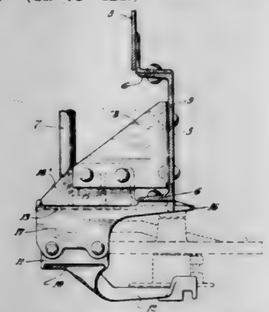
1,561,805. MOUNTING FOR BRAKE GEARS. SVEN JULIUS STRID, Chicago, Ill., assignor to Fred Mathews, Chicago, Ill. Filed Aug. 5, 1925. Serial No. 48,427. 4 Claims. (Cl. 74—121.)



1. A brake gear mounting structure comprising the combination with the end-sill of a railway car, of a gusset secured to and projecting downwardly from said sill, a top casting consisting of a plate of rectangular shape disposed beneath and secured to the bottom flange of the sill, a vertical wall integral with the upper surface of the plate parallel with and secured to said gusset, a bottom casting consisting of a plate secured in spaced relation to said top plate and an arm extending from the bottom plate inwardly with respect to the car, and gears journaled between said top and bottom castings.

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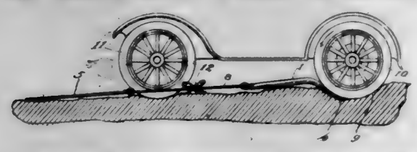
1,561,806. TRACTION DEVICE FOR AUTOMOBILES. EDWARD B. THOMAS, Cincinnati, Ohio, assignor of one-forth to Edward Disher and one-fourth to Sydney W. Williamson, both of Cincinnati, Ohio. Filed Dec. 19, 1923. Serial No. 681,477. 6 Claims. (Cl. 238—14.)



1. A traction device comprising a traction member adapted to be placed in relation to the rear wheel of a vehicle so as to afford traction therefor, a member arranged to be secured by the front wheel of said vehicle, and means variable in length for securing said members together when in position.

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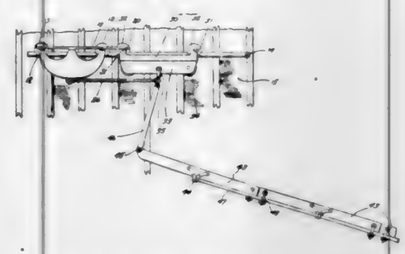
1,561,807. HAY CONVEYER. CARL THUNEMANN, Munnsville, N. Y. Filed Mar. 20, 1924. Serial No. 700,499. 3 Claims. (Cl. 214—5.)



1. A device of the class described comprising a wheeled carriage, a brace bar pivotally supported on said carriage, coupling levers pivoted on said carriage, the forward ends of said levers having hook projections, a spring connecting said levers forwardly of the point of rotation, cables connected to said levers and adapted to open the hook ends of the same when pulling on said cables, a hay transport carriage having ears thereon, the ears supporting wheels, said ears being engageable with the hook end of said levers to interlock both carriages, and means for stopping the travel of the first-named carriage when said coupling levers are spread apart.

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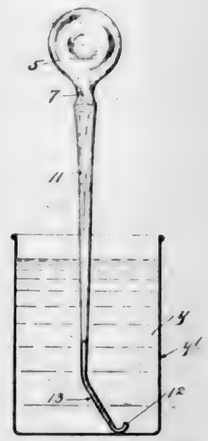
1,561,808. PROCESS OF PRODUCING FISHLINE FLOATS AND THE LIKE. JUDSON R. TOWNE, Minneapolis, Minn. Filed Mar. 1, 1923. Serial No. 622,069. 5 Claims. (Cl. 49—77.)



1. The process of forming glass bulbs and of injecting fluid thereinto which consists in forming a bulb on the end of a tubular glass stem, in closing the end of the stem while the bulb is hot, in scratching the stem to afford an easy point of breakage thereof, in immersing the end of said stem in a liquid to a point below said scratch, in breaking off said stem at said scratch while it is thus immersed, whereby the liquid will be drawn into said bulb by partial vacuum, and in thereafter closing said stem by fusion.



4. The process of forming glass bulbs and injecting fluid thereinto which consists in forming a bulb on the end of a tubular glass stem, in closing the end of the stem while the bulb is hot, in bending the end of said stem laterally to insure breaking thereof below the liquid level under downward pressure on the bulb.

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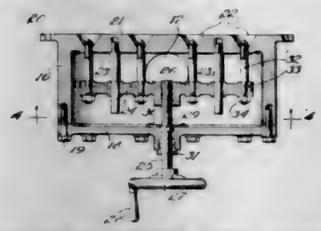
1,561,809. HYDRAULIC WASHING APPARATUS. THEODORE L. VALERIUS, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 16, 1921. Serial No. 515,497. 2 Claims. (Cl. 299—144.)



1. A jet head for hydraulic washing apparatus comprising, in combination, a housing forming a chamber to receive fluid under pressure, discharge orifices in a wall of said chamber, a movable pin normally positioned in each of said orifices and having lateral recesses to permit a limited flow of fluid through said orifices, a connecting member having said pins attached thereto, guides mounted in said chamber and slidably supporting said connecting member, and a shaft extending outwardly of said housing, said shaft having an operative connection with said pin connecting member whereby said pins may be moved into or out of said orifices.

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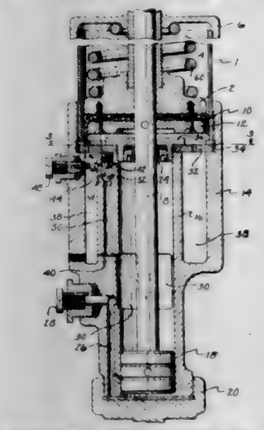
1,561,810. ELEVATOR-DOOR-OPERATING MECHANISM. WILLIAM WALLACE WEEKS, Brooklyn, N. Y., assignor to Elevator Supplies Company, Inc., a Corporation of New Jersey. Filed Oct. 18, 1923. Serial No. 669,268. 13 Claims. (Cl. 188—97.)



1. In a cushioning device adapted for cushioning the movements of elevator door operating mechanisms, a cylinder, a plunger in said cylinder, a passageway communicating between the upper portion of said cylinder and a lower portion thereof, and a by-pass connecting said passageway with a lower portion of the cylinder, permitting the passage of fluid to the upper portion of said cylinder to attain cushioning action of said mechanism when said plunger is returned to the upper portion of said cylinder after a limited movement toward the lower portion thereof.

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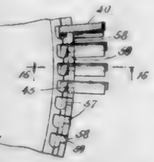
1,561,811. ELASTIC-FLUID TURBINE. JOHN WILLIAM WHELLER, Elizabeth, N. J., assignor to L. J. Wing Manufacturing Company, New York, N. Y., a Corporation of New York. Filed Oct. 11, 1923. Serial No. 667,802. 7 Claims. (Cl. 22—193.)



1. A device for assisting the making of molds for elastic fluid turbines having cast-in buckets comprising, a main portion having radial slots in its periphery each adapted to receive the tail portion of a bucket and being open at one side for the insertion and removal of the buckets, and a removable ring cooperating with the side of the main portion adjacent the open sides of the slots and having a projecting lip co-acting with a notch in each bucket to maintain the buckets accurately in position and against displacement from said slots while the mold is being made.

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1,561,812. WRENCH. EBER B. WHITE, South Bend, Ind. Filed Mar. 19, 1924. Serial No. 700,292. 1 Claim. (Cl. 81—128.)

A wrench comprising a handle member and a hollow body portion projecting from the handle member in axial alinement therewith, said body portion having opposite diverging sides, a pair of jaws having outer divergent sides slidably engaging the diverging sides of the body, the jaws being provided in their inner sides with recesses the outer walls of which are parallel with the outer walls of the jaws, a head disposed between the jaws and having beveled ends engaging against the outer walls of the recesses in the jaws, and means within the handle member for shifting the head between and longitudinally of the jaws whereby to clamp the jaws against the sides of the body.

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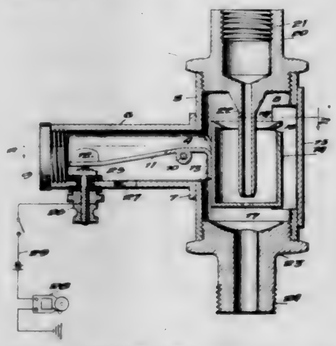
1,561,813. CIRCUIT CONTROLLER FOR FLOW INDICATORS. WALTER T. WILLIAMS, Topeka, Kans. Filed Nov. 16, 1923. Serial No. 675,177. 3 Claims. (Cl. 200—81.)



1. A device of the character set forth comprising a movable circuit controlling member, a receptacle mounted thereon and having an open top carrying an inwardly

extending splash preventing rim, a bleed port in its lower portion and an overflow outlet in its upper portion below the said rim, and means for delivering fluid into said receptacle.

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1,561,814. ELECTRIC HEATER AND VAPORIZER. LEONARD E. ASKE, Duluth, Minn. Filed June 19, 1923. Serial No. 646,336. 8 Claims. (Cl. 219—38.)

1. In an electric fluid heater or vaporizer, the combination of a frame or plate, of insulating material, having an arched lower edge, a resistance coil wound transversely upon said frame or plate, a housing for said coil open at the bottom and having arched lower edges conforming substantially to the arched lower edge of said frame, said coil being grounded at one end on said housing, a binding post insulated from said housing, said coil being electrically connected with the binding post.

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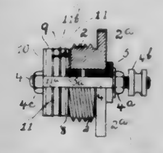
1,561,815. ELECTRIC HEATER OR VAPORIZER. LEONARD E. ASKE, Duluth, Minn. Filed Jan. 10, 1924. Serial No. 685,422. 8 Claims. (Cl. 219—38.)



1. The combination of a plug, a post extending through said plug, insulating members interposed between said post and said plug, a moisture absorbing asbestos sponge mounted on said post, an electric heating element mounted on said absorbing sponge, one end of said heating element being electrically connecte to said post, and the other end of said heating member being electrically connected to said plug.

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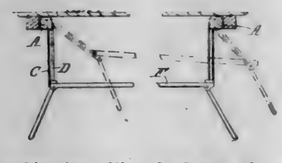
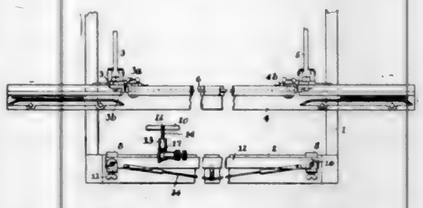
1,561,816. TONNEAU WINDSHIELD. HERBERT AUSTIN, Bromsgrove, and HERBERT CHALLENOR, Northfield, England; said Challenor assignor to said Austin. Filed June 27, 1924. Serial No. 722,792. 4 Claims. (Cl. 296—85.)



1. The combination with a fixed part of a vehicle of a pair of screen supporting arms pivoted to said parts with their pivots in axial alinement, a screen supported by the free ends of said arms, lugs projecting from said arms in the plane of their rotation, and telescopic compression members spring urged to expanded position and each having one end pivoted to a respective lug and its other end pivoted to the fixed part in such position that the lug pivot swings on one side of a line drawn between the remaining pivots upon the screen being raised and to the other side of said line upon the screen being depressed.

1,561,817. GAUGE FOR LOOMS. ERNEST BARBER, Paterson, N. J. Filed May 23, 1925. Serial No. 32,299. 3 Claims. (Cl. 73—51.)



1. In a means for detecting irregularity in the position of a reciprocating part relatively to a fixed part of a machine when the reciprocating part is at the limit of its working stroke, the combination of a support adapted to be fixed on one such part of the machine and a gauge-including structure including a movable gauge-actuator adapted to be engaged and moved by the other part, said structure being adjustable on the support substantially lengthwise of the path of movement of the reciprocating part.

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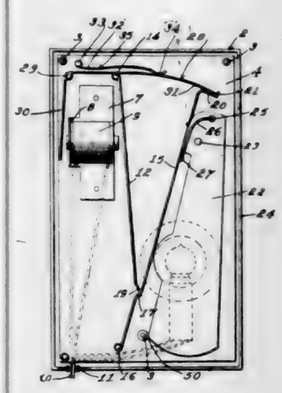
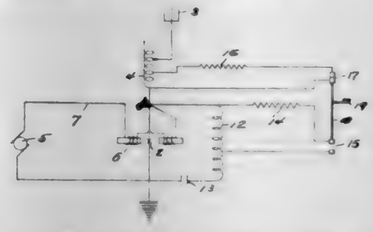
1,561,818. ROUTE INDICATOR. FRED R. BARBOUR, Los Angeles, Calif. Filed Apr. 11, 1922. Serial No. 551,707. 1 Claim. (Cl. 177—329.)



In a device of the class described, a support, oppositely extended first and second levers fulcrumed at their remote ends on the support, the first lever being engaged pivotally at its inner end with an intermediate portion of the second lever, a semaphore mounted intermediate its ends to swing on the support, the semaphore, when in inactive position, being disposed alongside of the second lever and in close relation thereto, means for connecting an intermediate portion of the second lever with one end of the semaphore, a bell crank latch fulcrumed on the support, one arm of the latch extending in the same general direction as the first lever, the other arm of the latch extending transversely of both levers in close relation to the fulcrumed end of the first lever and cooperating with the free end of the second lever to hold the semaphore in inactive position, and an electromagnet located between the first-specified arm of the latch and the first lever, the first-specified arm of the latch being responsive to one end of the magnet to release the second lever, and the first lever being responsive to the other end of the magnet to move the semaphore to active position.



1,561,819. RADIOTELEGRAPHY. RALPH R. BEAL, Palo Alto, Calif., assignor, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Jan. 5, 1920. Serial No. 349,474. 6 Claims. (Cl. 250—19.)



1. In a radio telegraphy transmission system, a source of oscillations, a radiating circuit containing inductance permanently connected to said source, a local oscillatory circuit containing inductance permanently connected around said source, a circuit shunting said radiating circuit inductance, a resistor in said shunt circuit, a circuit shunting said local circuit inductance, a resistor in said latter shunt circuit and means for opening and closing the shunt circuits.

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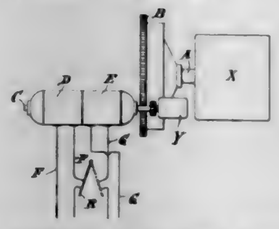
1,561,820. MEANS FOR STARTING INTERNAL-COMBUSTION ENGINES. DOUGLAS JAMES BEDFORD, Derby, England. Filed Jan. 21, 1925. Serial No. 3,765. 2 Claims. (Cl. 290—38.)



2. The combination of an internal combustion engine, a low voltage motor connecting when operating with the engine to start the same, a high voltage motor connecting when operating with the engine to start the same and means for selectively supplying low or high voltage current to the respective motors as desired.

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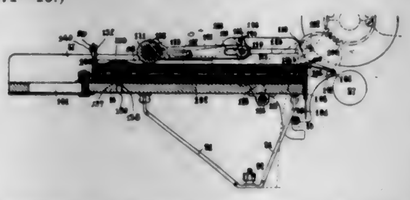
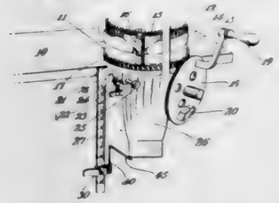
1,561,821. ATTACHMENT FOR PRINTING MACHINES. ADOLPHE BESSAT and LÉON LOUIS LIÉVENS, Nanterre, France. Original application filed Sept. 21, 1922, Serial No. 589,693. Divided and this application filed Nov. 23, 1923. Serial No. 676,543. 8 Claims. (Cl. 271—19.)



1. Sheet-feeding apparatus, comprising a feed table to support a pile of sheets; a stop for engagement with one end of the pile and adapted to move downward automatically as the height of the pile decreases, said stop having projecting means fixed to it; a pivoted shutter mounted adjacent the stop and resting at one end on said projecting means; and a device for feeding the sheets one at a time over said stop.

1,561,822. FOOT RULE. GOTTLIEB F. BILL, Minidoka, Idaho. Filed June 2, 1924. Serial No. 717,198. 2 Claims. (Cl. 33—169.)



1. An attachment to a knitting machine comprising a scale bar adapted to be secured to said machine in a pendant position, a spring slip slidable on said bar, and a gauge arm pivotally mounted in said clip, said arm being movable into the path of finished product produced by the machine.

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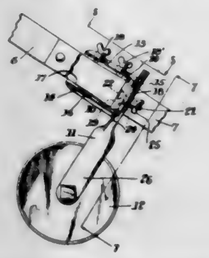
1,561,823. LAWN-EDGING ATTACHMENT. FRANK BISHOP, Los Angeles, Calif. Filed June 23, 1924. Serial No. 721,893. 3 Claims. (Cl. 97—227.)



2. In combination; a U-clamp adapted for engaging the lower extremity of a lawn mower handle between the bails thereof, the cross bar of said clamp having a serrated outer face with bolt projecting therefrom; a bifurcated colter support having a longitudinally slotted shank with a serrated face adapted for longitudinally adjustable attachment to said cross bar by means of said bolt; and a disk colter journalled between the extremities of said bifurcations.

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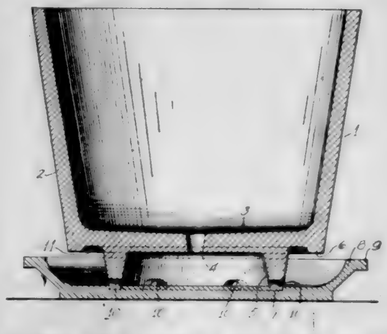
1,561,824. FLOWERPOT. HENRY MARTIN BOEHM, Minneapolis, Minn. Filed Aug. 18, 1924. Serial No. 732,839. 2 Claims. (Cl. 47—34.)



1. A flower pot comprising a body portion having a dirt retaining wall, a flange depending from the bottom of said flower pot, a saucer having a groove therein adapted to receive said flange, said flange spacing the

lower edge of said wall above the top of said saucer, said body portion having an opening to permit water to drain therefrom, and said flange having recesses therein to permit water to pass therethrough.

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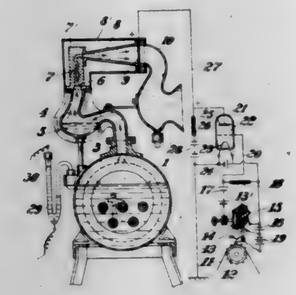
1,561,825. ELECTRIC SOUND-REPRODUCING DEVICE. OTTO BOTHE, Steglitz, near Berlin, and LUDWIG SCHIFF, Berlin, Germany. Filed June 6, 1924. Serial No. 718,303. 3 Claims. (Cl. 179—101.)



2. In a device for reproducing sounds, means for producing a continuous current of gas or steam, a perforated metal body in the path of said current, means for electrically charging said gas or steam and means to vary said charging in rhythm to sound waves.

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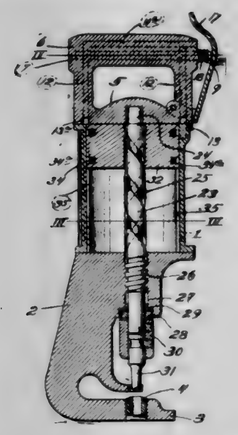
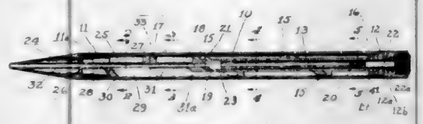
1,561,826. COMPOUND-SCREW-POWER DEVICE. HENRY R. BREMER, Kansas City, Mo. Filed Dec. 18, 1922. Serial No. 607,617. 7 Claims. (Cl. 121—3.)



7. In a power device, a support having a threaded bore and a piston cylinder at one end of said bore, a rod extending through said cylinder and journaled at one end in the support and having a set of right and a set of left hand threads, one of said sets of threads being in engagement with the threaded bore, a piston interlocked with the cylinder for reciprocation within the cylinder and having threaded engagement with said second set of threads, and means for controlling the admission of fluid under pressure to either end of said cylinder.

1,561,827. PENCIL. MAURICE D. BRODY, Chicago, Ill. Filed May 20, 1922. Serial No. 562,302. 14 Claims. (Cl. 120—14.)



1. In a pencil, the combination of an outer shell, a tube within said shell and spaced therefrom to form a magazine, lead feeding devices within said tube, a tip carried by one end of said shell, and a directing member within said shell adjacent said tip for directing leads from said magazine into the path of said feeding devices, said tube having an outwardly extending helical web providing a helical path for the leads in said magazine.

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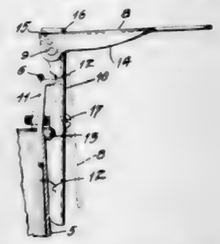
1,561,828. MILK-PAIL HOLDER. WILLIAM D. CHAMBERLAND, Minneapolis, Minn. Filed Oct. 8, 1923. Serial No. 667,173. 5 Claims. (Cl. 31—54.)



3. A milk pail holder comprising a channel upright having in its sides vertically spaced notches adapted to receive the rolled upper edge of a milk pail, an arm pivoted to the upright, a spring operative on the arm to fold the same onto the upright, and a clamp for attaching the upright to the milk pail, said clamp being vertically adjustable on the upright.

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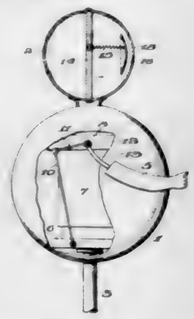
1,561,829. TOY WITH MOVABLE FEATURES. IRWIN E. COHN, New York, N. Y. Original application filed Oct. 6, 1924, Serial No. 742,049. Divided and this application filed Apr. 29, 1925. Serial No. 26,770. 3 Claims. (Cl. 46—40.)



3. A toy, a hollow head portion having feature openings therein, a movable support in the head having a plurality of features disposed at the openings, means connecting the back of the support to the head portion, said connecting means being resilient and movable through a plurality of different angular positions from



its connection with the head, said resilient connecting means being sensitive to slight agitation of the toy so that the movable support will be agitated for causing the features to be moved readily and transversely of the opening and through arcs having radii passing substantially through the center of the opening.

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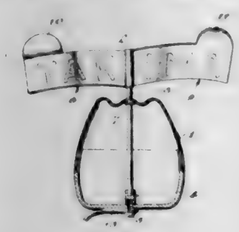
1,561,830. REVOLVING NAME PLATE. WALTER C. CONNELL, Yakima, Wash. Filed Jan. 7, 1925. Serial No. 1,074. 2 Claims. (Cl. 40—39.)



1. A device for the purpose described comprising a wire bracket with portions arranged to clamp upon the filling neck of a radiator, an emblem secured to the bracket, a shaft, means at which the emblem is secured to the bracket including a metallic piece constituting a bearing for the shaft, means on the shaft engaging a part of the emblem to keep the shaft in place, and a name plate carried by the shaft, said plate consisting of oppositely bent portions resembling a propeller, said portions having bent wings over which wind is intended to pass to produce revolutions of the name plate.

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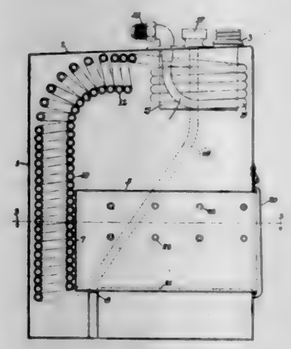
1,561,831. REFRIGERATING APPARATUS. EDMUND J. COPELAND, Flint, Mich., assignor to Copeland Products, Inc., Flint, Mich., a Corporation of Michigan. Filed May 5, 1924. Serial No. 710,994. 1 Claim. (Cl. (62—95.)



In refrigerating apparatus, a brine tank having a freezing chamber opening through the lower part of one of its walls and a thermostat chamber opening through one of its uppermost parts, and a refrigerating coil having its initial portion arranged in upright position in cooling relation relatively to said freezing chamber, and having its terminal portion arranged in cooling relation relatively to said thermostat chamber, the turns of said initial portion being substantially horizontal to prevent trapping of refrigerant therein and a portion of the coil between the two portions being non-horizontal to insure trapping of refrigerant in said terminal portion.



1,561,832. INSECT TRAP. NICOLA CORSI and ANGELO COSTANTINO, Brooklyn, N. Y. Filed July 20, 1925. Serial No. 46,814. 5 Claims. (Cl. 43,115.)

1. In a device of the class described, the combination with a core member carrying an adhesive coating, of a shield member having openings permitting insects to reach said core member, said shield member leaving an annular space around said core member sufficient for the passage of said insects, and parts projecting from the surface of said core member towards the inner surface of said shield member, to points within the reach of insects within said shield member.

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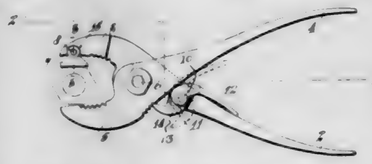
1,561,833. PLIER WRENCH. ALEXANDER CRUICKSHANK, Matsqui, British Columbia, Canada. Filed July 9, 1924. Serial No. 724,993. 3 Claims. (Cl. 294—41.)



3. A plier wrench comprising crossed levers pivoted together, a small lever pivotally mounted on one of the crossed levers and having an eccentric around the pivot, and a pawl mounted on the eccentric of the small lever and adapted to engage notches on the other crossed lever, substantially as specified.

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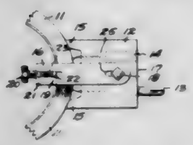
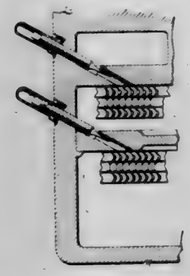
1,561,834. COIL MOUNTING. ELMER T. CUNNINGHAM, San Francisco, Calif. Filed Feb. 27, 1922. Serial No. 539,534. 1 Claim. (Cl. 175—359.)



A coil having an inner and an outer peripheral surface, a block engaging the outer peripheral surface and having terminals to which the ends of the coil are connected, a band fastened to the block at both ends of the band and passing around the inner surface of the coil, said band having slots adjacent the inner sur-

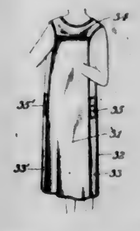
face of the coil, a flat clamping piece engaging the inner surface of the coil and having projections at each end guided in the slots in the band, a threaded member also having projections at each end guided in the slots, and a thumb-screw engaging the threaded member and passing through the band for tightening the flat clamping piece against the inner coil surface.

1,561,835. STEAM TURBINE. JOSEF YNGVE DAHLSTRAND, Wellsville, N. Y., assignor to Standard Turbine Corporation, Wellsville, N. Y., a Corporation of New York. Filed Sept. 11, 1922. Serial No. 587,304. 9 Claims. (Cl. 253—78.)



1. In a steam turbine, the combination of a rotor having buckets thereon, a plurality of nozzles adjacent thereto, and means for varying the flow of steam through and for varying the ratio of the throat and tip areas of said nozzles, said means including adjustable needles projecting into the throats of the nozzles and formed to progressively increase the nozzle area from the throat to points in the nozzle substantially short of the tips thereof, whereby when the needles are moved inwardly the throat areas are decreased and increased when moved outwardly, said needles being fixed in their adjusted positions.

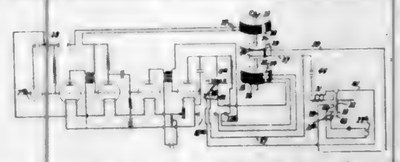
1,561,836. APRON. NELL Q. DONNELLY, Kansas City, Mo. Filed Apr. 3, 1925. Serial No. 20,350. 3 Claims. (Cl. 2—48.)



1. An apron having a yoke, front and back panels attached thereto in front and rear, the panels being of substantially oblong form with the upper edge shorter than the bottom edge, inserts of rectangular form joining said panels and extending from the bottom of the apron approximately half way to the shoulders, said inserts having a width approximately half that of the average width of said panels.

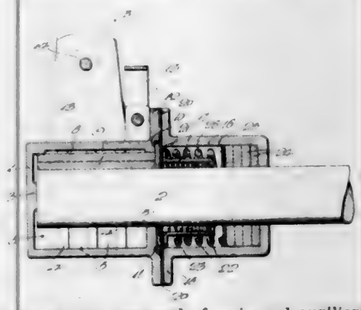
1,561,837. THERMIONIC INDICATING MEANS RESPONSIVE TO LIGHT VARIATIONS. JOHN JOSEPH DOWLING, Rathgar, Dublin, Irish Free State. Filed July 30, 1924. Serial No. 729,165. 6 Claims. (Cl. 250—2.)

1. Light responsive means of the kind referred to comprising a thermionic valve system, indicating means associated therewith, means for continuously subjecting the said system to electric current oscillations, persistence of which is necessary to prevent any indication being given that predetermined light conditions are departed from, and means automatically rendering the thermionic valve



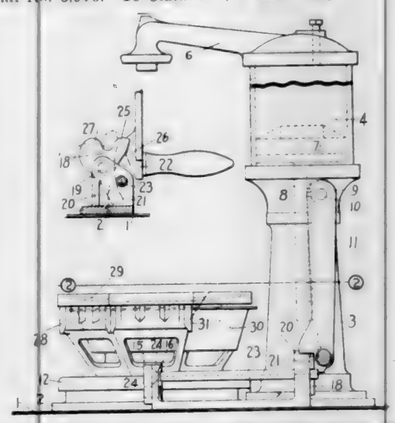
system responsive only at regular periods to the persistence of the electric oscillations to which it is continuously subjected.

1,561,838. STUFFING BOX FOR PIT BEARINGS. ORSON W. DUNHAM, Treece, Kans., assignor to Arminta A. Dunham, Baxter Springs, Kans. Filed May 11, 1923. Serial No. 638,383. 2 Claims. (Cl. 286—30.)



1. A stuffing box composed of main and auxiliary sections, said auxiliary section being disposed within said main section, packings within said sections, and a spring surrounding the auxiliary section and bearing at one end against the packing in said main section and at its opposite end against the auxiliary section to maintain the latter in place.

1,561,839. LOCK FOR FLUID-DISPENSING APPARATUS. EARL E. EICKMEYER, Dayton, Ohio, assignor to The National Recording Pump Company, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 5, 1925. Serial No. 6,976. 16 Claims. (Cl. 221—72.)



1. The combination with a tank having an opening, a closure for said opening, and a pump mounted on said tank and having an operating handle, of means comprising a single lock for holding said closure and said handle against movement.



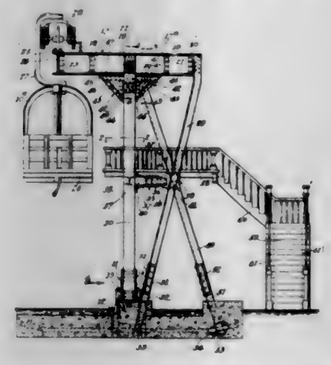
11. The combination with a pump having an operating handle, of a locking device having a part movable into and out of locking position with relation to said handle, and means for securing said part in said operative position, said locking device also having a part which is movable into and out of locking position with relation to said handle while the first mentioned part is out of locking position, said locking device being so balanced that the last mentioned part will be held in either its operative or inoperative position by gravity.

15. The combination with a tank having an opening, a closure for said opening, a pump mounted on said tank and having an operating handle, and a drip pan removably mounted on said closure, of a single lock for securing said handle against movement, retaining said closure in its closed position and preventing the removal of said pan.

1,561,840. CURTAIN AND DRAPERY PROTECTOR. ALFRED C. FAUL, Buffalo, N. Y. Filed Mar. 17, 1922. Serial No. 544,585. 2 Claims. (Cl. 156—33.)

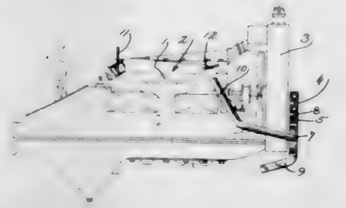
1. In a curtain protector, the combination with a window frame, of a bracket secured to the frame and having a diagonal slot disposed in a substantially horizontal plane and arranged at an acute angle to the face of the window frame, and a headed curtain-retaining rod slidable lengthwise in said slot and capable of assuming a pendent position or an extended position at an acute angle to the face of the window frame.

1,561,841. TOWER FOR SUSPENDED RAILWAYS. LEWIS A. FRYE, Los Angeles, Calif. Filed Mar. 5, 1924. Serial No. 697,015. 12 Claims. (Cl. 104—93.)



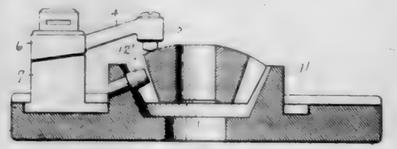
2. A tower structure for suspended railways, embodying a vertical column anchored at its base, a cantilever supported by the top of the column and extending oppocitely beyond its point of support on the column, a tension member secured to the cantilever extension and extending downwardly and inwardly towards the base of the column, and means for anchoring the tension member at a point substantially in alignment with the longitudinal axis of the column.

1,561,842. RADIATOR HEATER. CHARLES E. FULTON, Malta Bend, Mo. Filed Mar. 22, 1923. Serial No. 626,980. 1 Claim. (Cl. 123—174.)



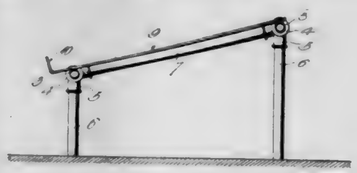
The combination with an internal combustion engine including an exhaust manifold and a radiator associated therewith; of a heater extending across the lower portion of the radiator and on the outside thereof, said heater comprising a frame formed of a single tube of metal designed square in cross-section and bent to form upper and lower horizontal tubes and vertical parallel end tubes, a plurality of spaced apart intermediate tubes connected with the end tubes to communicate with the latter, said intermediate tubes being also square in cross-section, a tubular connection between the exhaust manifold and the one end tube of the frame to convey exhaust gases to the latter, an integral extension formed on the opposite end tube of the frame directed downwardly and rearwardly of the radiator to form a discharge pipe, and cut off valves arranged in said exhaust manifold to supply the exhaust gases to the heater, as and for the purposes described.

1,561,843. CHUCK. ORLANDO GARRISON, Dayton, Ohio. Filed Aug. 27, 1923. Serial No. 659,587. 7 Claims. (Cl. 279—1.)



1. In a chuck for bevel gears, a seat therefor, a plurality of relatively fixed gear engaging studs of conical form with which the gear engages in an axial direction, carried by the supporting seat within the peripheral circle of the gear, and simultaneously engaging with the teeth of the gear upon the pitch line thereof at different radial points and means for holding the gear in engagement with the studs.

1,561,844. ROD RACK. CHARLES B. GIPSON, Tulsa, Okla. Filed June 11, 1923. Serial No. 644,744. 3 Claims. (Cl. 211—14.)



1. A portable rack for sucker rods comprising two longitudinal sections hinged together at their inner ends, whereby one section may be folded longitudinally upon the other, supporting legs having a detachable connection with said sections, the legs along one side of said sec-

tions being shorter than the legs of the other side whereby the top of the rack assumes an inclined position, and a series of transverse bars disposed at intervals across said longitudinal sections and fastened on top thereof, said transverse bars having their lower ends bent upwardly to form stops.

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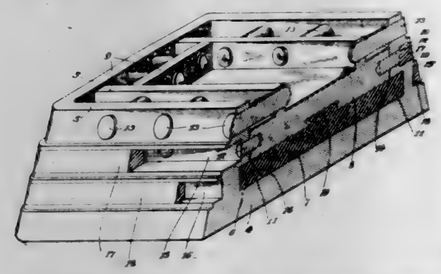
1,561,845. SAFE CONSTRUCTION. GUSTAVE M. GOLDSMITH and CARL BARTELS, Hamilton, Ohio, assignors to The Mosler Safe Company, Hamilton, Ohio, a Corporation of New York. Filed Feb. 5, 1924. Serial No. 690,723. 12 Claims. (Cl. 109—1.)



1. In safe construction, a door comprising, in combination, two interfitting metallic sections, one constituting the front and jamb edges of the door and the other constituting the rear wall of the door, a section of material having special characteristics, resistant to drill or torch, fitted into the interior of the door between said sections, and means, including pins extending through the jamb edge portions of the door and into the rear wall section, for maintaining said parts in assembled relation.

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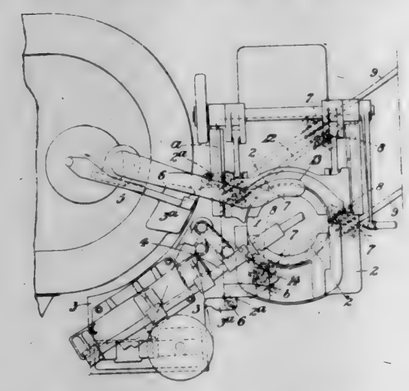
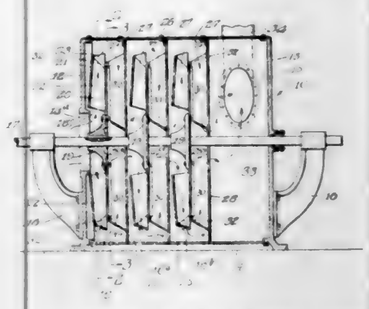
1,561,846. APPARATUS FOR CASTING CURVED STEREOTYPE PRINTING PLATES. BENJAMIN JOSEPH JOHN GOULDING, Altrincham, England, assignor to Linotype and Machinery Limited, London, England, a Company of Great Britain. Filed Aug. 28, 1923. Serial No. 659,731. 6 Claims. (Cl. 22—64.)



1. Apparatus for casting curved stereotype printing plates, having a molten metal delivery mouth-piece, a driving and trimming mechanism, and a plurality of interchangeable casting moulds adapted to be moved alternatively into and out of operative relationship to the said mouth-piece and mechanism each independently of another, characterized by the fact that the casting moulds can be thus moved in any order of succession.

1,561,847. COMPOUND TURBINE BLOWER. EDWARD D. GREEN, Chicago, Ill. Filed Aug. 18, 1924. Serial No. 732,601. 6 Claims. (Cl. 230—11.)



1. A compound turbine blower comprising a cylindrical casing having an air inlet opening and an air discharge opening, and having a plurality of chambers separated by partition walls and connected by openings through said partition walls, a drive shaft, and fans mounted thereon, the fan blades of which have end tips that are inclined with respect to the remainder of the blades, there being one fan in each of said chambers, and located at one side thereof to leave a space at the other side thereof, the space between each fan and a partition wall being divided into an outer free and unobstructed annular air passage of relatively large cross sectional area, into which the air is deflected by said end tips of the fan blades, and a plurality of air passages leading from said annular air passage to the opening in the partition wall.

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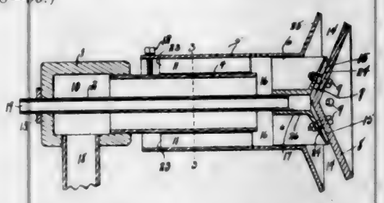
1,561,848. GAS BURNER. ELLIS GREEN, Mineral Wells, Tex., assignor to Fred W. Nuerwell, Tulsa, Okla. Filed Mar. 23, 1925. Serial No. 17,567. 2 Claims. (Cl. 158—99.)



1. A burner comprising a body and a steam pipe stationary therewith, means for spreading steam consisting of a nipple screwed on said pipe and provided with a funnel-shaped flange and a spreader conforming to the contour of said flange spaced therefrom and bolted thereto, a gas directing pipe rigid with said body and concentrically arranged about said steam pipe and terminating with an open end, an air directing pipe open at both ends and concentrically arranged about said gas directing pipe and projecting beyond the gas pipe, forming a mixing chamber for air and gas and provided with a funnel-shaped flange for co-operating with said spreader and slidably mounted on said gas pipe and provided with wings spacing the air pipe from the gas pipe.

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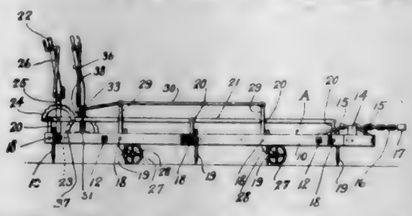
1,561,849. HARROW. CHARLES EDWARD GREGG, Jefferson, Pa. Filed May 31, 1924. Serial No. 717,176. 1 Claim. (Cl. 55—103.)

A harrow including a wheeled frame, a plurality of spaced transversely disposed bars journaled in said frame, a series of teeth carried by each bar and depending therefrom, means including a lever for adjusting said bars to vary the angle of the teeth with relation to the



ground, a yoke supporting each of said wheels, each yoke including a shank loosely mounted on one of said bars, said wheels being arranged in pairs, a connecting bar connecting the shanks of each pair of said yokes, a crank shaft journaled on the frame and having crank like extremities, links connecting the extremities with the adjacent yokes and arranged to form a continuation of said connecting bars, and a lever having a slot to receive the crank portion of said shaft, whereby said lever is utilized to adjust said wheels toward and away from the ground for the purpose specified.



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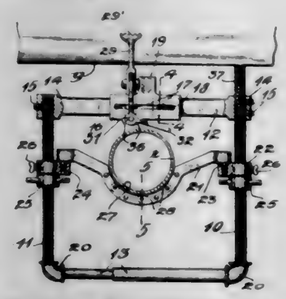
1,561,850. PIPE HANGER. LOUIS GUTTMAN, Minneapolis, Minn. Filed Feb. 23, 1923. Serial No. 620,627. 9 Claims. (Cl. 248—31.)



8. In a pipe hanger the combination with a rectangular frame comprising screw-threaded uprights connected by longitudinally adjustable cross tie bars, a suspending anchor for the frame, a pair of saddle bearings slidably mounted on the uprights, nuts on the uprights for vertically adjusting and supporting the saddle bearings, a saddle bar, and trunnions detachably securing the saddle bar to the saddle bearings.

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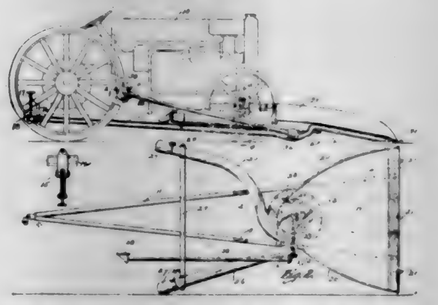
1,561,851. ROTARY SNOWPLOW. HENRY C. F. HAAGE, Akron, Iowa. Filed Jan. 30, 1925. Serial No. 5,743. 7 Claims. (Cl. 37—43.)



1. In a device of the class described, a snow shovel having an opening, a blower box below said opening and communicating with said opening, flanges on the sides of said shovel converging rearwardly so that the snow is directed into said opening, a centrifugal fan mounted within said blower box, means for rotating said fan, and outlet pipes communicating with said blower box, for the purposes stated.

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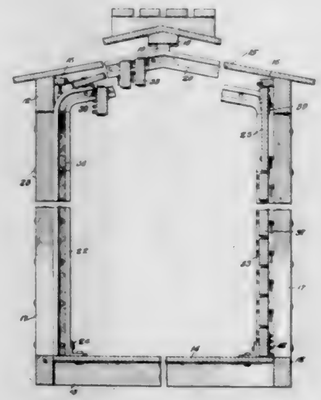
1,561,852. BOX-CAR DOOR. LEWIS S. HARALDSON, Rowena, S. Dak. Filed Feb. 18, 1925. Serial No. 10,114. 6 Claims. (Cl. 20—32.)



1. A device of the character described including a substantially U-shaped guide rail, a plurality of movable sections adapted to engage the said guide rails, a swinging section mounted above the uppermost of the movable sections, and means for readily opening or closing the said sections.

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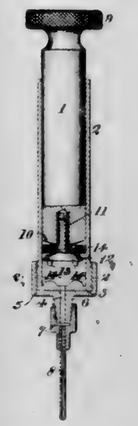
1,561,853. SUPPORTING FRAME FOR BEDSPRINGS. ROBERT B. HARRISON, Ingram, and JOSEPH SILVESTER, Pittsburgh, Pa., assignors to A. J. Logan Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 8, 1923. Serial No. 656,413. 1 Claim. (Cl. 5—209.)

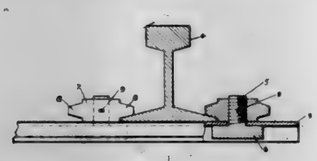
A bed spring supporting frame comprising a plurality of spaced transverse slats, contiguous slats being provided with elongated apertures disposed in alignment with each other, a supporting device pivotally suspended from and interposed between contiguous slats including a U-shaped stirrup having apertures in its terminal ears, a pivot rod extending through apertures in said ears and provided with elongated enlargements at its extremities beyond the said ears whereby to lock the rod to the stirrup, said enlargements being of such dimension as to permit passage of the same through the elongated apertures in the slats when the rod is moved to a predetermined angular relation with respect to the said apertures, the angular disposition of the elongated apertures and the enlargements being such that both enlargements cannot pass through the cooperating apertures simultaneously, the intermediate portion of the stirrup being offset to form a depression, and the inner end of the hanger being connected to the stirrup and neatly fitting within the said depression whereby to prevent pivotal movement between the stirrup and hanger.

1,561,854. ADJUSTABLE PACKING FOR HYPODERMIC SYRINGES. GEORGE N. HEIN, San Francisco, Calif. Filed Aug. 26, 1924. Serial No. 734,208. 3 Claims. (Cl. 128—219.)



1. A hypodermic syringe including a barrel substantially closed at one end providing a discharge port, a piston mounted for reciprocation and axial rotation therein, a packing retaining head threaded into the end of the piston, said piston and retaining head being provided with opposing walls affording a chamber within which a packing is positioned, said walls extending in opposite directions outwardly from each other, an elastic disk washer packing positioned within the chamber with its inner portion held between the piston end and retaining head walls and with its periphery lying parallel to the barrel surface and free to flex between the outer portions of the piston and retaining head walls, and means for affording a resistance to the head to retain the same substantially stationary on the imparting of relative rotary movement between the barrel and piston whereby the pressure of the packing against the barrel wall may be varied.

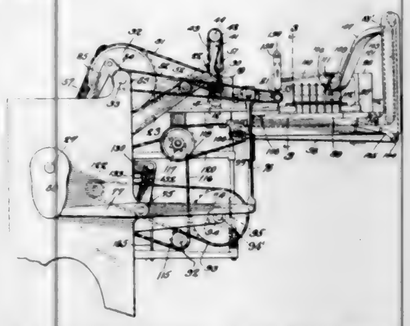
1,561,855. RAIL CLAMP. LEOPOLD F. HEPTNER, Johnstown, Pa. Filed May 20, 1925. Serial No. 31,593. 1 Claim. (Cl. 238—340.)



A rail clamp including a clamp body provided with a threaded bore and equipped with lugs the upper and lower face of each of which is tapered to conform to the shape of the base flange of a rail for engagement therewith.

1,561,856. TOBACCO-FEEDING MACHINE. ALBERT A. HEYMAN, Baltimore, Md., assignor to The Universal Cigar Machinery Co. Inc., Baltimore, Md. Filed Oct. 10, 1922. Serial No. 593,550. 22 Claims. (Cl. 131—39.)

1. In a tobacco feeding machine the combination with an apertured supporting plate, of pins having their points normally housed in the apertures, means for directing a layer of tobacco onto the plate, an apertured holding plate movable to position on the tobacco, and means for shifting the pins through the tobacco and into the holding plate.

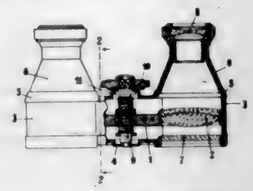


16. In feeding mechanism of the class described the combination with a delivering device, of a supporting plate, a holding plate, impaling means movable relative to the plates, a presser belt normally supported out of the paths of the plates, and separate means operating in timed relation for positioning the presser belt upon the supporting plate, directing a sheet of stock onto said plate to be conveyed by the belt along the plate, shifting the presser belt out of the paths of the plates, moving the holding plate onto the stock upon the supporting plate, impaling the stock, shifting the holding plate out of the path of the supporting plate, inverting the supporting plate above the delivering device, and releasing the stock from the impaling means.

1,561,857. TOOL FOR GUIDING AND SHAPING METAL AND THE LIKE. ERNST G. HONES, Dusseldorf, Germany. Filed June 29, 1925. Serial No. 40,454. 2 Claims. (Cl. 75—1.)

1. A tool of the character described, composed of a steel alloy containing admixtures of copper, from 0.1 to 3 per cent; zirconium from 0.1 to 3 per cent; and cobalt from 0.1 to 3 per cent.

1,561,858. BINOCULAR. HEINRICH JACOB, Friedenau, near Berlin, Germany, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Filed Feb. 4, 1922. Serial No. 534,052. 8 Claims. (Cl. 88—34.)

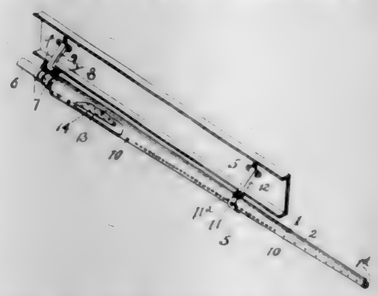


1. In a binocular with axially shiftable object-glasses a box-like casing, two object-glasses axially shiftably mounted therein in guiding contact with the wall of said casing and fastened to a non-rotatable carrier likewise mounted within said casing, means to shift said carrier with said object-glasses within said casing, and two ocular tubes separately and firmly mounted within said object-glass casing at a distance from each other.

1,561,859. MUFFLER CONSTRUCTION. THOMAS S. KEMBLE, Cleveland, Ohio. Filed Nov. 12, 1921. Serial No. 514,566. 3 Claims. (Cl. 137—160.)

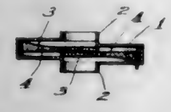
1. A muffler for internal combustion engines comprising an elongated tubular member adapted to be attached at one end to the engine exhaust pipe, said member forming a continuation of the exhaust conduit and serving as a pressure dissipating discharge section therefor, said member having apertures spaced longitudinally along its wall from end to end to permit escape of gases directly





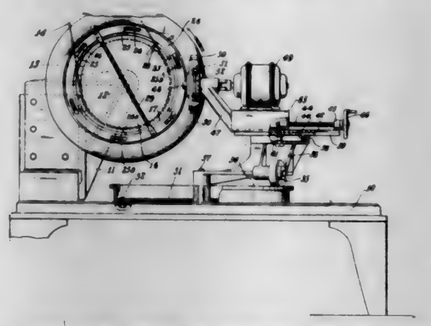
therefrom to the atmosphere whereby the pressure of each discharge is dissipated in its passage from the inlet toward the outer end of the tubular member, said apertures being greater in number per unit of area at the central portion of the tubular member.

1,561,860. OPTICAL INSTRUMENT AND LENS. JOSEPH J. KENNEBECK, Kansas City, Mo. Filed July 27, 1922. Serial No. 577,910. 9 Claims. (Cl. 88—57.)



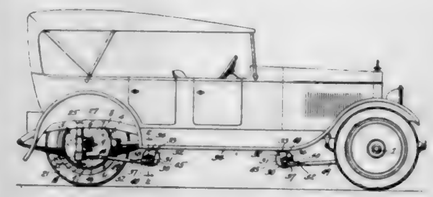
1. A guide having an aperture, a pair of duplicate lenses mounted in said guide, said lenses and aperture being so adjustably related that the combined power of the lenses when viewed through the aperture can be varied in one sign only from plano to the initial power of the lenses.

1,561,861. ABRADING MACHINE. WALDEMAR D. KMENTT, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Jan. 16, 1922. Serial No. 529,423. 17 Claims. (Cl. 51—33.)



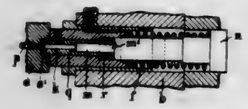
1. Apparatus for buffing an annular, rubber tire-core, said apparatus comprising means adapted to support and rotate said core upon a fixed axis, said means so fitting within the core as substantially to tension the same, an abrading wheel, and a support for said abrading wheel adapted to be swung transversely about the work.

1,561,862. JACK. WILLIAM N. KNOWLTON, Jackson Heights, N. Y. Filed Apr. 21, 1925. Serial No. 24,732. 9 Claims. (Cl. 254—86.)



1. The combination with a motor vehicle having a chassis and a body portion, and axles and wheels carried by said chassis, of means for elevating a wheel comprising a tubular housing secured to an axle and arranged substantially perpendicular thereto, and closure means for the upper end of said housing, a lining within said tubular housing having a head that abuts against the lower end thereof, means upon the upper end of said lining to engage the upper end of said housing, an externally threaded tube forming a jack element within said lining, a rod having telescopic, non-rotatable relation with said externally threaded tube, said rod being in fixed relation to said closure means, a worm gear mounted on said externally threaded tube and bearing against the lower surface of said lining head, a shaft hanger carried by said tubular housing, a worm shaft journalled in said shaft hanger and meshing with said worm gear, and means carried by said body portion for rotating said worm shaft whereby to lower or raise said externally threaded tube.

1,561,863. APPARATUS FOR MAKING IN THE COLD SCREW BLANKS, RIVETS, AND SIMILAR HEADED ARTICLES. JOSEPH KUHNE, Iserlohn, Germany. Filed Jan. 28, 1924. Serial No. 689,201. 3 Claims. (Cl. 10—26.)

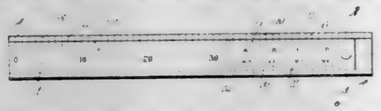


1. In an apparatus for making in the cold screw-blanks, rivets and similar headed articles, in combination; a stationary die comprising a head-forming matrix, a press-slide, a hollow plunger for inclosing the end of the stock to be upset, said plunger being slidably mounted in said press-slide, a preliminary stamping punch for pressing said stock-end out of said plunger into said head-forming matrix, said punch being guided in the bore of said plunger and resting against said press-slide, resilient means for coupling said punch and said plunger in the direction of their forward stroke, means for temporarily arresting said plunger in such a position that the distance between the bottom of said head-forming matrix and the front face of said plunger is greater than the finished height of the head to be formed, and means for positively coupling said punch and said plunger, said plunger, after being positively coupled to said punch forming together with the latter a final stamping die.

1,561,864. TABULATING SCALE FOR TYPEWRITING MACHINES. WILLIAM EDWARD LANE, St. Louis, Mo. Filed Mar. 18, 1925. Serial No. 16,541. 6 Claims. (Cl. 197—194.)

1. In a tabulating scale for typewriting machines, a flat plate of metal bent upon itself at its upper and

at its lower edge to form longitudinal flanges extending to open ends at each side portion thereof, the said plate



having formed upon one face the characters common to typewriter scales; in combination with linear graduations upon the said upper flange.

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1,561,865. STENCIL SHEET. RICHARD LANT, Vienna, Austria, assignor to William Koreska, Vienna, Austria. Filed Nov. 16, 1922. Serial No. 601,416. 8 Claims. (Cl. 41—386.)

1. A stencil-sheet adapted for stencilization by pressure, comprising a base of open porous material with a type-impressible coating including cellulose derivatives, an oil and tallow.

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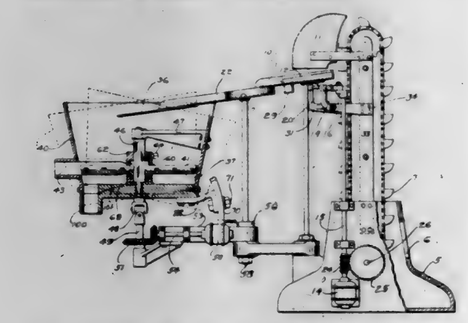
1,561,866. MATERIAL-HANDLING DEVICE. FRANK J. LARKIN, Chicago, Ill. Filed Mar. 16, 1925. Serial No. 16,029. 9 Claims. (Cl. 198—128.)



6. A material handling machine of the character specified comprising a hopper having a downwardly extending discharge spout and a gradually deepening groove for supplying material to said spout, a rotor arranged within said hopper, and a shaft extending through said rotor.

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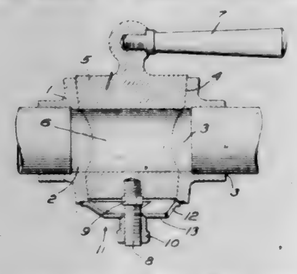
1,561,867. VALVE. OLAF LARSEN, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 8, 1922. Serial No. 599,619. 2 Claims. (Cl. 251—112.)



1. The combination of a valve casing having a tapered valve seat opening therethrough, a tapered valve plug operable in said seat, and means for retaining said plug in said seat comprising a stem secured in the smaller end of said plug and extending outwardly of said casing, an adjustable abutment carried on the outer portion of said stem, and a unitary compression member removably confined between said casing and said abutment, said member having spaced radial arms yieldingly abutting said casing and exposing the end of said plug therebetween, said member also having a slot in its center portion adapted to receive said stem and to permit the lateral withdrawal of said member from normal position of confinement, said member being recessed at the inner end of said slot for engagement with said abutment.

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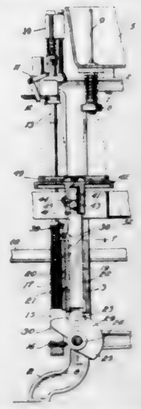
1,561,868. BOTTLE FILLING AND CAPPING MACHINE. OLAF LARSEN, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 1, 1923. Serial No. 665,988. 6 Claims. (Cl. 226—76.)



1. Apparatus of the class described comprising, in combination, a stationary supply tank, a plurality of filler valves supported on said tank and communicating therewith, a plurality of capping heads positioned in front of and normally above said filler valves, a vertically reciprocatory bar supporting said capping heads, a pair of upright reciprocatory rods carrying said support at their upper ends, a bridge member rigidly connecting their lower ends, resilient means for maintaining said rods in uppermost position, a revoluble table, a vertically reciprocatory support for said table, a rock-shaft, and a cam on the rock-shaft operable thereby to successively engage and raise said table support and to engage and depress said bridge member.

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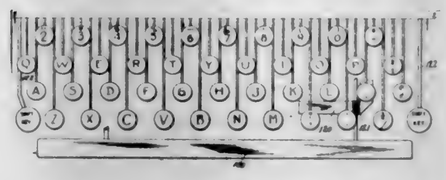
1,561,869. CAR SEAL. MARTIN J. LINS, St. Paul, Minn. Filed Jan. 5, 1924. Serial No. 684,587. 5 Claims. (Cl. 292—323.)

1. A car seal comprising a band having a housing thereon and a tongue adapted to be inserted into said housing, a locking plate fitting within said housing and permitting said tongue to be thrust into said housing to the limit of its initial inward movement, said tongue and plate having means for interlocking when said tongue is pulled backwardly a predetermined distance after its initial inward movement for moving said plate inwardly upon the second inward movement of said tongue, and said housing and said plate having means for interlocking to prevent backward movement of said plate and tongue at the completion of the second inward movement of said tongue.



1,561,870. WORD-COUNTING ATTACHMENT FOR TYPEWRITERS. LOUIS M. LLORENS, Los Angeles, Calif., assignor to Automatic Word Counter, Inc., a Corporation of New York. Filed Oct. 12, 1922. Serial No. 594,214. 29 Claims. (Cl. 235—102.)



1. In a typewriter having a keyboard, a counting means for registering the actions of the typewriter in the writing of words or word equivalent, mechanism actuated by elements of the keyboard and operative upon the counting means, and a cut-out key for rendering said mechanism inoperative upon the counting means so that the keyboard elements may be actuated once only independently of the counting means, thereafter automatically returning to registering position.

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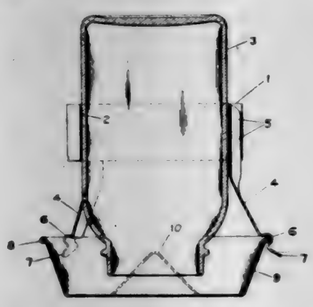
1,561,871. BUTTERMILK FEEDER FOR CHICKS. FRED W. LORD, Tipton, Ind., assignor to The Oaks Manufacturing Company, Tipton, Ind., a Corporation of Indiana. Filed Apr. 29, 1925. Serial No. 26,742. 1 Claim. (Cl. 119—77.)



A feeding device comprising a resilient corrugated band, a receptacle clamped thereon, a pan, and means for supporting said ring member carrying the receptacle in adjusted relation to said pan.

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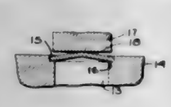
1,561,872. PROCESS OF PERMANENTLY SEALING AN APERTURE AND THE SEAL THEREFOR. RALPH M. LOVEJOY, Boston, Mass. Filed Mar. 26, 1925. Serial No. 18,469. 1 Claim. (Cl. 292—307.)



A closure for an aperture, the wall of which is provided with a cylindrical countersink, comprising a plate of rigid material, having a permanent set when expanded, of uniform thickness and of slightly conical form in which the outer and inner surfaces of the wall of the plate correspond respectively to paths of revolutions of straight lines about the outer and inner apexes of the conical plate.

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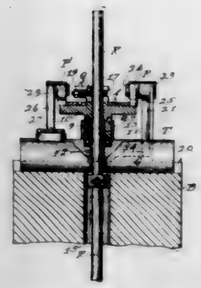
1,561,873. PUMP-ROD RATCHET FOR OIL WELLS. ERNEST E. LYNCH, Taft, Calif. Filed May 29, 1923. Serial No. 642,161. 2 Claims. (Cl. 255—14.)



1. In a device of the character described a walking beam, a T pivotally mounted thereon and having an extension on the upper side thereof, a bore in said extension, a bearing in said bore, a ratchet having a hub extended into said bore in contact with said bearing, a bracket mounted on said T, a pawl pivotally mounted on said bracket and engaging said ratchet, a bracket mounted on said beam, and a pawl pivotally mounted on said last mentioned bracket and engaging said ratchet whereby when said T is rocked on said beam said ratchet will be correspondingly rotated.

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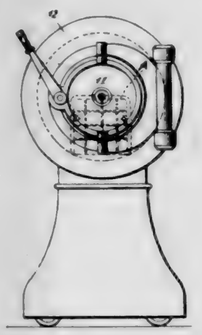
1,561,874. SAFE. WILLIAM C. MACFADDEN, Fargo, N. Dak. Filed Aug. 29, 1924. Serial No. 734,929. 3 Claims. (Cl. 109—4.)



1. In a device of the class described the combination with a safe having a door, of a receptacle to be guarded adapted to be inserted through said door, said receptacle being disposed in spaced relation with the top of the safe, and a protective casing on the top of said receptacle, the front thereof being open to allow access to the contents through said door.

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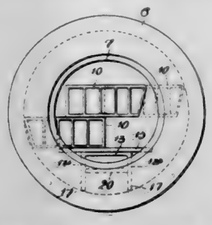
1,561,875. ATTACHMENT FOR SAFES. WILLIAM C. MACFADDEN, Fargo, N. Dak. Filed Oct. 17, 1924. Serial No. 744,174. 7 Claims. (Cl. 109—4.)

1. The combination with a safe having a restricted door opening in the front thereof, of a steel receptacle formed in separable sections adapted to be severally inserted

through said opening and extending from the front to the rear of the interior of the safe, the interior of said re-



ceptacle being readily accessible through said door opening, and a support formed to maintain said receptacle in spaced relation to the top of the safe.

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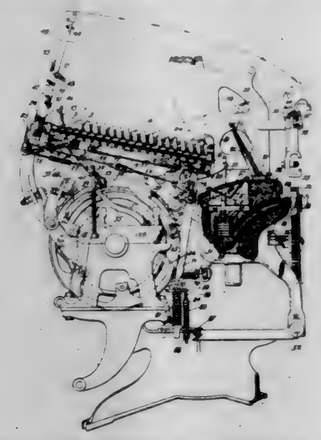
1,561,876. CRUCIBLE CHARGER. GEORGE E. MARLATT, Pasadena, Calif. Filed Aug. 8, 1922. Serial No. 580,448. 27 Claims. (Cl. 22—80.)



1. In a crucible charger, in combination, a melting pot to be replenished, an inclined semi-gravity support for pigs of replenishing metal for said pot, and a pair of coacting conveyer screws inclined with said support toward said melting pot for conveying the pigs of feed metal thereto, successive turns of the threads of said screws engaging successive pigs of metal so that said pigs of metal may be either advanced and released individually into the melting pot or retarded against gravity regardless of the inclination of their support.

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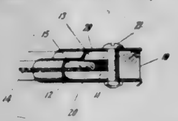
1,561,877. WINDOW SCREEN. CLEMENT S. MARTIN, Rockville, Md. Filed Apr. 24, 1925. Serial No. 25,638. 5 Claims. (Cl. 156—14.)



1. A frame of the character described having flanges at its inner edges projecting toward the center of the frame, the flanges at one side being wider than those at the opposite side and defining an opening of smaller size than the opening defined by the lastnamed flanges, in order that a panel slightly larger than the firstnamed opening may be inserted through the secondnamed opening and placed against the firstnamed flanges, and strips to fit tightly between said flanges and clamp the panel against the firstnamed flanges by movement away from the center of the frame.

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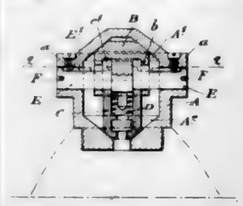
1,561,878. FUSE. NICOLAS EMILIEN METHLIN, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed Apr. 4, 1925. Serial No. 20,819. 7 Claims. (Cl. 102—39.)



7. A device of the class described comprising a body portion having a chamber therein, a primer holder, a striker having sliding telescopic engagement with the holder, said striker and holder being positioned in said chamber, one or more locking bolts having notches and grooves therein, means secured to the body portion and extending into said grooves, and resilient means secured to the body portion and having engagement with said bolt or bolts for normally maintaining the same between said holder and striker, one of the latter being adapted to engage the notched portion of said bolt or bolts.

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1,561,879. WATCHCASE BEZEL. CHARLES E. MILLER, Edgewood, R. I., assignor to Payton & Kelley Co., Providence, R. I., a Corporation of Rhode Island. Filed Aug. 21, 1924. Serial No. 733,307. 2 Claims. (Cl. 58—91.)

1. In a watch casing, a bezel-rim having an inturned flange about its outer edge, a crystal in said rim seated against the inner face of said flange, a bezel-frame seated about the edge of the crystal, and a set of bendable fingers on said flange adapted to be bent over into engagement with said frame and bind the crystal edge against said flange.

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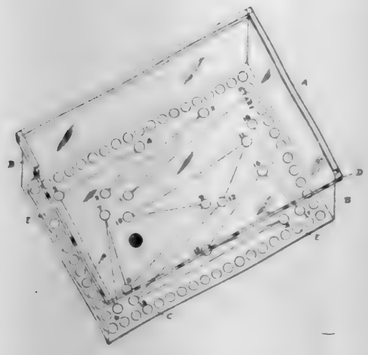
1,561,880. LOCKING NUT. MARK MORRISON, London, England, and THOMSON DENHOLM VASS and ARTHUR CHURCHILL FISHER, Vereeniging, Transvaal, South Africa. Filed Mar. 29, 1924. Serial No. 702,852. 1 Claim. (Cl. 151—19.)

A device for locking together complemental internally and externally threaded members, comprising a spring washer which is formed with radial slits to divide it into helical segments, and a central flange projecting from the washer and adapted to encircle the externally threaded member, said flange being formed with longitudinal slits to divide it into resilient segments adapted to be compressed radially directly into engagement with that member by the internally threaded member, the longitudinal slits being disposed out of alinement with the radial slits so that the device as a whole forms an unbroken annulus.



1,561,881. POCKET GOLF. CARL THEODOR OSTERBERG, Milwaukee, Wis. Filed Mar. 7, 1921. Serial No. 450,430. 7 Claims. (Cl. 273—87.)



1. A pocket golf game constituted as a box closure and comprising a ball and an enclosed field on which is laid out a golf course embracing a plurality of consecutively numbered holes, the said holes constituted as perforations in the bottom of the box to permit a portion of the ball to project therethrough to enable the ball to be dislodged from a hole by a stroke by the finger of the player from the underside.

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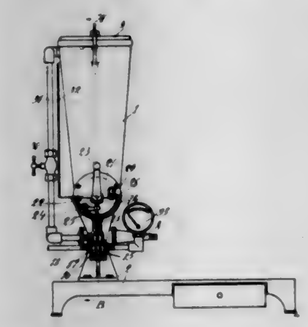
1,561,882. MACHINE FOR PRODUCING MOLDING CORES. KNUT GUNNAR VALLENTIN PETTERSSON, Vasteras, Sweden. Filed July 7, 1924. Serial No. 724,722. 4 Claims. (Cl. 22—10.)



1. Machine for producing molding cores by means of core boxes, including a container for molding sand, an injector joined to the outlet of the container and using compressed air for throwing the sand out from the container into the core box, and an adjustable hand-valve for the injector arranged in such a manner as to be opened and closed intermittently or slowly, as desired, in order that small quantities of sand may be intermittently thrown into the mold.

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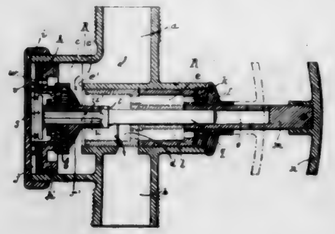
1,561,883. LIQUID AND LIKE TAP. AIMÉ PILLON and ETIENNE RAVAZ, Oullins, France. Filed Oct. 26, 1921. Serial No. 510,531. 2 Claims. (Cl. 137—144.)

1. In a valve for predetermined delivery of a fluid and automatic closure, a chamber for the passage of fluid, an inlet pipe and discharge pipe in communication with said chamber, a piston valve to close said chamber, a closing device provided with a handle to close the discharge opening, a hollow rod between said handle and the closing device, a rod slidable in the hollow rod of the closing



device and connected with the piston valve which closes the first named chamber, and means for acting successively on the closing device and on the piston valve.

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1,561,884. WHEELED TOY. CARL V. POHLSON, Pawtucket, R. I. Filed Feb. 24, 1925. Serial No. 11,133. 6 Claims. (Cl. 46—45.)

1. A toy vehicle comprising spaced wheel-carrying axles, a flexible element extending between said axles, concavo-convex body body sections strung on said element forming a body simulating the scales of a reptile and spacing members intermediate the body sections.

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1,561,885. GREASE CARTRIDGE. ROBERT CORNELL PORTWAY, Beckenham, England. Filed Mar. 6, 1925. Serial No. 13,525. 2 Claims. (Cl. 206—56.)

1. A grease gun cartridge case of variable diameter comprising a split tubular member having its longitudinal edges beveled and freely overlapping, said case being initially of less diameter than that of the barrel of the gun for which it is intended and said overlapping beveled edges being so proportioned as to abut against each other when the said case is diametrically expanded in the gun barrel.

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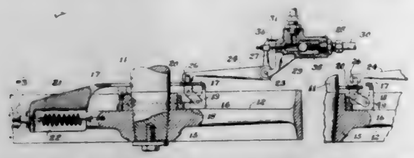
1,561,886. SPEED-RESPONSIVE DEVICE. WARD RAYMOND, Easton, Pa., assignor to Pennsylvania Pump & Compressor Company, Easton, Pa., a Corporation of Pennsylvania. Filed Sept. 26, 1923. Serial No. 664,942. 7 Claims. (Cl. 264—15.)

1. A speed responsive device comprising in combination, a spring retained centrifugal element, a main driving shaft, a plurality of parallel pivotally mounted links obliquely disposed for attaching said element to the

shaft whereby movement radially of said element moves said element a short distance axially of said shaft, means contacting with an integral portion of said centrifugal



element and operated by the axial movement of said element to control a valve, and means to operate said valve when the centrifugal element moves away from axis of rotation.

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1,561,887. CUE TIP. JOHN W. STALDER, Lincoln, Nebr., assignor of one-fourth to Carl Steckelberg, Lincoln, Nebr. Filed Mar. 18, 1925. Serial No. 16,491. 1 Claim. (Cl. 273—70.)

In a cue, a stick having a reduced end, a ferrule threadedly secured upon said end and having a tool receiving opening therein, a beveled shoulder at the inner end of the reduced end, a beveled inner end for the ferrule to engage over said shoulder, a thimble, a tip threadedly engaging one end of the thimble and a reduced coupling section at the opposite end of the thimble for removable engagement with the outer end of the ferrule.

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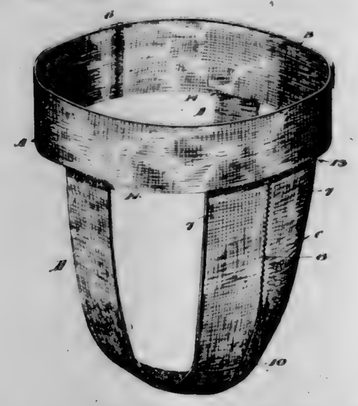
1,561,888. ATHLETIC SUPPORTER. JOSEPH L. STENGEL, Middlesboro, Ky., assignor to Martin-Page Company, Middlesboro, Ky., a Corporation of Kentucky. Filed May 23, 1925. Serial No. 32,395. 8 Claims. (Cl. 128—160.)



7. In a reversible athletic supporter formed from cut sections of elastic webbing, the combination with a waist band, sections of a pouch having its upper cut edge disposed in abutting relation to the lower edges of the band and stitched thereto, side straps connecting the waist band and pouch, the upper cut ends of the straps being disposed in abutting relation to the lower edge of the waist band and connected thereto, the lower ends of the straps being disposed in abutting relation to the lower edge of the pouch, and separate lines of stitches respectively extending transversely of certain of the sections adjacent the cut ends thereof to anchor the elastic parts of said sections.

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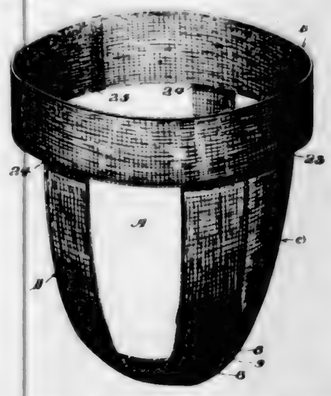
1,561,889. METHOD OF FORMING ATHLETIC SUPPORTERS. JOSEPH L. STENGEL, Middlesboro, Ky., assignor to Martin-Page Company, Middlesboro, Ky., a Corporation of Kentucky. Filed May 23, 1925. Serial No. 32,396. 10 Claims. (Cl. 128—160.)



1. The method of forming a pouch for athletic supporters consisting in first cutting two sections from an elastic webbing, then cutting the lower portion of each section on a curve extending from one side edge of the section to the other and covering said cut edge with a line of covering stitches which engage and anchor the elastic parts of the webbing, then positioning said sections side by side with their edges abutting, and finally joining said sections along their meeting edges and their curved cut edges by a line of stitches.

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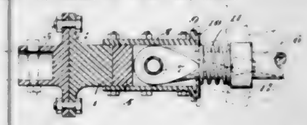
1,561,890. UNIVERSAL JOINT. JOSEPH A. TRAYLOR, Camp Meade, Md. Filed Mar. 19, 1923. Serial No. 626,179. 2 Claims. (Cl. 64—91.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A universal joint, embodying a circular casing provided with an aperture, means for connecting the casing to a rotatable element, a yoke fitting within the casing, a shaft pivotally connected to the yoke and passing through the aperture, flanged plates closing the casing, a disc surrounding the shaft and resting on the casing and flanges and means carried by the shaft for holding the disc in close sliding contact with the casing and flanges.

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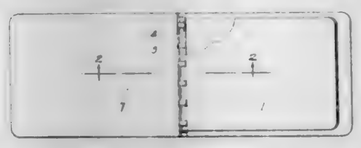
1,561,891. REFILL BOOK. EMORY A. TRUSSELL, Grand Rapids, Mich., assignor of one-third to Clarence D. Trussell, Poughkeepsie, N. Y. Filed Mar. 13, 1924. Serial No. 698,817. 3 Claims. (Cl. 281—19.)

1. A refill book including in combination a refill pad of leaves with a binder holding them together and a fastening means comprising flanges within which the binder can be inserted endwise, the sides of said fastening means being contracted at one end to stop the binder in a central position and hold it there.



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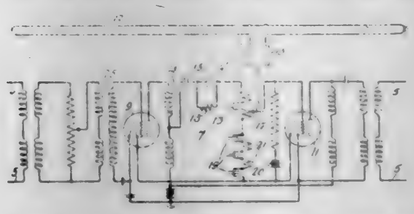
1,561,892. REGULATING REPEATER SYSTEMS. DONALD F. WHITING, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 15, 1921. Serial No. 445,075. 50 Claims. (Cl. 179—171.)



1. The combination with an amplifier having input terminals and a source of electromotive force for said terminals of a potentiometer adjustable to different settings for causing changes in the electromotive force impressed on said terminals, said potentiometer comprising means for causing said changes in electromotive force to vary with frequency for a given change in the potentiometer setting.

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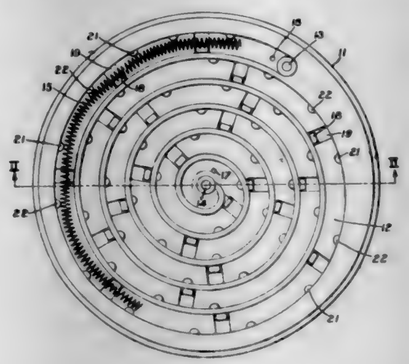
1,561,893. REFRACTORY HEATER PLATE. CLARENCE W. WILLIAMS, East Palestine, Ohio. Filed Jan. 30, 1924. Serial No. 689,467. 12 Claims. (Cl. 219—37.)



2. A refractory heater plate having a groove in one face thereof for receiving a resistor member, and embodying means for retaining the resistor member in said groove, said means permitting the free movement of said resistor into said groove in a direction substantially at right angles to the face of said plate, and embodying other means for holding the resistor member in its proper operative position in said groove.

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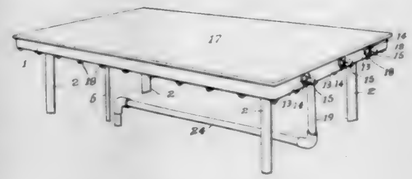
1,561,894. CANDY-COOLING TABLE. WILLIAM G. WILSON, Stratford, Conn. Filed Oct. 29, 1924. Serial No. 746,624. 1 Claim. (Cl. 257—257.)



A candy cooling table comprising a pan, a top secured over said pan by water tight means, a water supply pipe led into said pan, cross pipes within the pan at one end thereof and in communication with said supply pipe, straight parallel and removable distributing pipes leading from the cross pipes and extending through the opposite ends of said pan and having water tight closures at their free end and provided with water discharge orifices, and an overflow pipe leading into said pan and with its mouth extending above said orifices.

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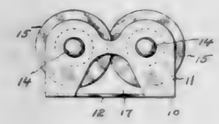
1,561,895. KNIFE SHARPENER. HERMAN L. WITTSTEIN, New Haven, Conn., assignor to The Atlas Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed Feb. 2, 1925. Serial No. 6,331. 1 Claim. (Cl. 76—87.)



A knife sharpener composed of a flat base of relatively considerable length and width, parallel sides extending upwardly from the base and having openings of a size to readily admit a cleaning cloth, a pair of pins carried by the sides and extending transversely of the base, rolls carried by the pins, and lateral feet extending outwardly from the sides of the base and having openings to receive fastenings, said feet being disposed in the plane of the base and said rolls being spaced a distance above the base, whereby to enable cleaning of the base by movement of a cloth laterally of the base and through the openings of the sides and beneath the rolls, the ends of the sides terminating at the sides of the base so as to enable a cloth to be moved longitudinally of the base and beneath the rolls, the rolls being overlapped in a line coextensive with a line bisecting the feet, so as to cause the sharpening movements of the knife to occur in the vertical plane in which the last mentioned line lies.

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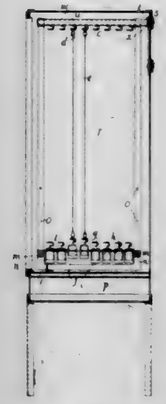
1,561,896. DRYING APPARATUS. HARRY SIDNEY WOOD, London, England. Filed Aug. 26, 1924. Serial No. 734,183. 2 Claims. (Cl. 34—26.)

1. An apparatus for holding photographic films during the process of drying comprising an upper fixed member, carrying a standard, with a suspension hook on its upper surface and a series of hooks on its lower surface to which films are attached by means of clips at their upper ends, the lower ends of said films being secured by clips to a series of tension hooks provided with legs that pass freely through holes in a lower movable member and

carry weights whereby the films are maintained in a taut condition between the upper and lower members, the said movable member being capable of adjustment on the



standard and fixed in the required position according to the length of the film to be dried substantially as described.

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1,561,897. AUTOMOBILE TIRE-CHAIN CONNECTER. CHESTER T. ALLCUTT and HARRY R. VAN DEVENTER, Pittsburgh, Pa. Filed Feb. 6, 1922. Serial No. 534,334. 15 Claims. (Cl. 267—74.)

1. A device for connecting the ends of a vehicle tire chain comprising an extensible structure normally resiliently biased to contracted condition, means for holding the same in extended position and means for automatically locking the structure in contracted condition when released from said held position.

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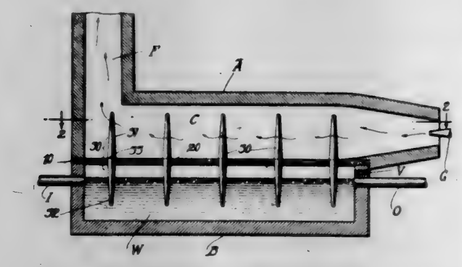
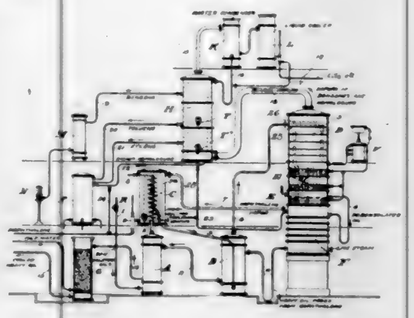
1,561,898. APPARATUS FOR CONCENTRATING LIQUIDS. FRANK L. ANTISELL, Perth Amboy, N. J. Filed Feb. 17, 1923. Serial No. 619,618. 12 Claims. (Cl. 159—29.)



8. Apparatus of the type described which comprises a combustion chamber, a chamber adapted to contain liquid, a partition separating said chambers above the normal level of liquid in said liquid chamber, and heat conducting elements extending from said combustion chamber through said partition sufficiently to dip into liquid when contained in the liquid chamber.

1,561,899. PROCESS FOR EXTRACTING BENZOLS FROM HEAVY OILS. EMILE AUGUSTIN BARBET, Paris, France. Filed Mar. 21, 1921. Serial No. 454,214. 1 Claim. (Cl. 196—8.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



A process which comprises progressively heating a mixture including a heavy nonvolatile oil containing absorbed materials normally present as vapors in coke oven gas, first by the heat of the out-going stripped oil and by the vapors carrying naphthalene coming from the high heating of such oil as set forth below, thereafter running the somewhat preheated oil through a column still including a rectifying column and first heating the same by indirect steam heat to about 160° C., while drawing off the evolved vapors of the lower part of the rectifying column through which such vapors rise, further heating the unvolatilized oils by blowing therein superheated steam capable of raising the temperature of said oils to vaporize the naphthalene, and drawing off the mixed vapors containing naphthalene and superheated steam and cooling such vapors by indirect cooling with the lukewarm incoming oils, such vapors being kept separate from those passed through the rectifying column.

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1,561,900. NICKEL-PLATED ARTICLE. FREDERICK M. BECKET, New York, N. Y., assignor to Electro Metallurgical Company, New York, N. Y., a Corporation of West Virginia. Filed Mar. 20, 1924. Serial No. 700,715. 3 Claims. (Cl. 204—1.)

1. A nickel-plated article composed of a ferrous alloy containing sufficient chromium to render it substantially non-rusting under atmospheric conditions.

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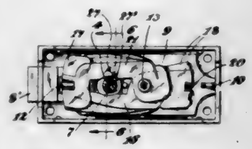
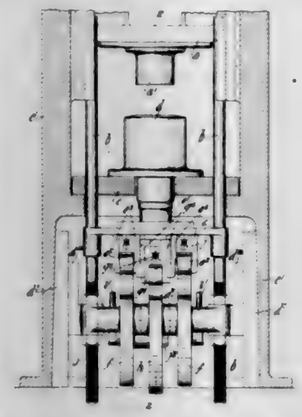
1,561,901. LOCK. EDGAR M. BENHAM, Norwood, Ohio, assignor to The Mosler Lock Company, Covington, Ky., a Corporation of Ohio. Filed Aug. 5, 1924. Serial No. 730,133. 5 Claims. (Cl. 70—72.)



1. In a lock of the character described, in combination, a pin, a plurality of tumblers commonly pivoted on said pin, a key tube, some of said tumblers being operable in one direction by one key when placed in said key tube and rotated in one direction and others of said tumblers being operable in the opposite direction by another key when placed in said key tube, and rotated in a direction opposite to said rotation of the other key.



1,561,902. PRESS FOR DRAWING SHEET METAL. GEORGE WILLIAM BERRY, Wakefield, England, assignor of one-half to Charles Joseph Rhodes, Wakefield, England. Filed Feb. 29, 1924. Serial No. 695,931. 13 Claims. (Cl. 113—46.)



1. In a press for drawing sheet metal, reciprocatory and stationary co-operating dies, the stationary die comprising a fixed central member and a plurality of concentrically arranged members movable relatively to said central member and one relative to the other through the movement of the reciprocatory die, cams pivotally supported to have movement on an axis transverse to the direction of movement of the dies to control the movement of said members and place said members under a constant force to resist the movement thereof by the reciprocatory die, said cams being adapted to be reciprocated by the reciprocatory die in unison therewith, and means operative through the reciprocatory movement of the cams to effect actuation of the cams and movement of the movable members in successive sequence by the movement of the reciprocatory die.

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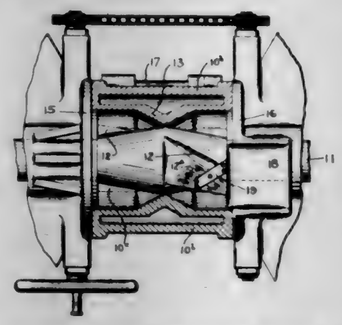
1,561,903. MACHINE FOR TREATING RUBBER OR OTHER PLASTIC MATERIAL. DAVID R. BOWEN, Ansonia, and CARL F. SCHNUCK, New Haven, Conn., assignors to Farrel Foundry & Machine Company, Ansonia, Conn., a Corporation of Connecticut. Original application filed July 11, 1919. Serial No. 310,020. Divided and this application filed Feb. 10, 1922. Serial No. 535,651. 11 Claims. (Cl. 18—2.)



7. A rubber mixer or like machine having a working chamber consisting of a single cylinder presenting a closed circumferentially extending cross-section at its middle portion and substantially throughout its length, a rotor for working the material back and forth in the cylinder against the inner surface of its cylindrical wall, a gravity-feed hopper on the end of the cylinder leading directly into the cylinder and providing for the charging by gravity of the entire mass of material to be treated, into said cylinder, said cylinder having a swingable wall section providing for the discharge thereof at its lower part.

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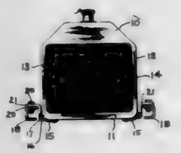
1,561,904. RADIATOR SUPPORT. GIUSEPPE BRACALE, New Haven, Conn., assignor to The G & O Manufacturing Company, New Haven, Conn. Filed Oct. 17, 1921. Serial No. 508,162. 4 Claims. (Cl. 180—68.)



1. In a vehicle, a frame provided with spaced frame members, brackets, each having a horizontal portion loosely secured upon the upper surface of one of the frame members and a vertical portion depending from said horizontal portion, a radiator body having a case member at the lower portion thereof, plates rigidly attached upon the lower side of the case member and projecting laterally beyond the sides of the radiator, and means for pivotally connecting said plates to the depending portions of said brackets to allow the radiator body to be relieved from lateral strains due to the differences in level between the upper surfaces of said respective frame members.

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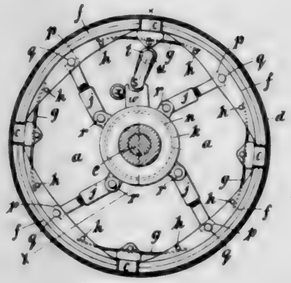
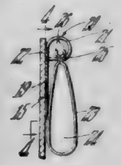
1,561,905. BRAKE. DONALD BROWN, Newcastle-upon-Tyne, England. Filed Oct. 8, 1923. Serial No. 667,151. 4 Claims. (Cl. 188—78.)



1. A brake comprising a brake drum, floating brake shoes oppositely disposed within said drum and normally out of engagement with the internal periphery thereof, fixed stops within said drum between said shoes but separate therefrom, the ends of said shoes coacting with said stops to limit rotation of said shoes when they come into action, pins near the ends of said shoes, springs for retracting said shoes carried by said fixed stops and bearing freely on said pins, and means for moving said shoes into engagement with the internal periphery of said drum, said means permitting the angular movement of the shoes whereby they are enabled to automatically adjust themselves to said periphery to compensate for wear.

**1,561,906. CASE FOR KEYS AND THE LIKE.** WARNER R. BUXTON, Longmeadow, Mass., assignor to Buxton, Incorporated, a Corporation of Massachusetts. Filed May 19, 1922. Serial No. 562,132. 8 Claims. (Cl. 150—40.)



8. A key holding device which includes a plate having a slot therein adjacent one edge and an enlarged portion at one end of said slot, the portion of the plate adjacent said edge being bent around so that the enlarged portion of the slot is located at the rear of the plate, a key supporting element having an enlarged head to be inserted in the enlarged portion of said slot and then moved to lie in the smaller portion of the slot, and a folder to which said plate is fastened, the rear portion of the plate having the enlarged portion of the slot therein adapted to lie against the folder to substantially close the slot, whereby the element supporting the keys can move and rotate in the slot but is prevented from being removed therefrom.

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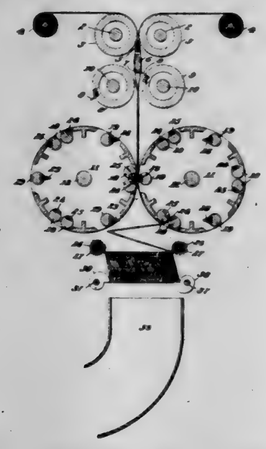
**1,561,907. SHEET-INTERFOLDING MACHINE.** WILLIAM H. CANNARD and GLENN A. SHAFFER, Green Bay, Wis., assignors to said Cannard. Filed Sept. 29, 1921. Serial No. 504,023. 53 Claims. (Cl. 270—39.)



1. A sheet interfolding machine comprising a plurality of coacting drums, each drum being rotatable and having thereon pinch rolls and a pusher in alternate arrangement, one of the pinch rolls being rotatable and making a revolution to each revolution of the drum which carries it; and means for rotating the drums whereby a pusher on one drum will always coact with the pinch rolls on the other drum, these members being brought into operative relationship by rotation of the drums.

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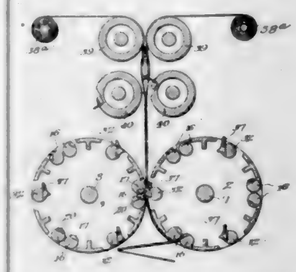
**1,561,908. INTERFOLDING MACHINE.** WILLIAM H. CANNARD and GLENN A. SHAFFER, Green Bay, Wis., assignors to said Cannard. Filed Aug. 16, 1924. Serial No. 732,422. 16 Claims. (Cl. 270—39.)

1. An interfolding machine including a plurality of intergeared drums, driving means associated therewith for effecting rotative movement of the drums in opposite directions, a plurality of sets of pinch-members on each drum, a plurality of rotatable tucker-members on each drum in alternate arrangement with respect to each set of pinch-members thereon, mechanism associated with and controlled by the driving means for rotating each tucker-member on its own axis and thereby maintain it in predetermined relation to the axis of the



drum by which it is carried and thereby accurately position it in respect to the bight-space between a set of pinch-members on another of the drums as that set is, by rotation of the drum, brought into register with the tucker, and independent mechanism associated with and active on each set of pinch-members for actuating the members of the set simultaneously and in respect to each other.

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**1,561,909. METHOD FOR PRODUCING FLUID MEDIUMS OF HIGH DENSITY.** THOMAS M. CHANCE, Philadelphia, Pa. Filed Dec. 29, 1924. Serial No. 758,783. 3 Claims. (Cl. 83—85.)

1. A method for producing and maintaining fluid mediums of relatively high density, which consists in agitating a mixture of liquid and comminuted solid matter heavier than said liquid and substantially insoluble therein by a supply of said liquid introduced under pressure in the region at the lower part of said mixture, whereby a fluid medium of relatively high density is produced and maintained and whereby the smaller and lighter particles of said comminuted solid are continuously carried up through said fluid medium to form an upper division of said agitated mixture, in removing said smaller and lighter particles from said upper division and in introducing said smaller and lighter particles into said fluid medium at a region materially lower than the top of said fluid medium.

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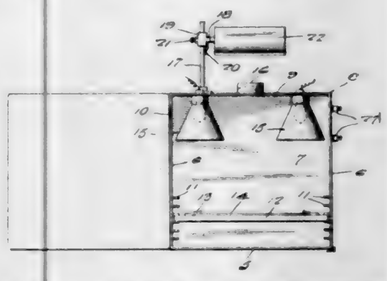
**1,561,910. PRINTING PROJECTOR.** THOMAS FRANK CHEANEY, Fort Lauderdale, Fla. Filed May 4, 1925. Serial No. 27,824. 4 Claims. (Cl. 88—24.)



1. A printing projector of the class described, including a casing formed from a bottom, ends, sides slanting upwardly toward each other, and a top, cleats



on the ends interiorly of the casing, a panel supported in said cleats, sources of illumination suspended from the top in the casing for directing rays of light onto the object on the panel, a lens disposed in the top between the sources of illumination to receive the image from the object, and project it outwardly of the casing.

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**1,561,911. METHOD OF REMOVING FREE SULPHUR FROM GREASE.** HUGH CHRISTISON, Methuen, Mass., and CLARENCE L. NUTTING, Salem, N. H., assignors to Arlington Mills, Lawrence, Mass., a Corporation of Massachusetts. Filed June 3, 1921. Serial No. 474,850. 6 Claims. (Cl. 87—12.)

1. The method of removing free sulphur from grease by heating and simultaneously agitating their mixture with an aqueous solution of a neutral alkali-sulphite in sufficient quantity to exhaust such free sulphur by chemically uniting therewith to become converted into a thiosulphate of the same alkali, and by subsequently separating the grease from the water holding in solution the alkali-thiosulphate thus formed, by means adapted to effect their assumption of relative positions according to their respective differences in specific gravity.

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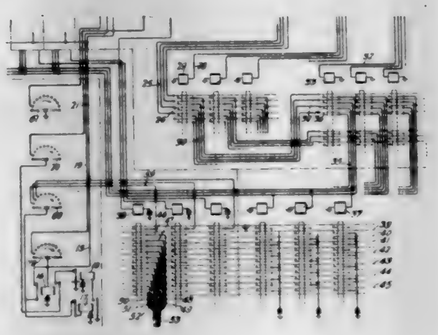
**1,561,912. REGISTERING SYSTEM.** EDGAR H. CLARK, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 16, 1922. Serial No. 568,747. 18 Claims. (Cl. 179—18.)



1. In a registering system, a translating device comprising a receiving and transmitting section, means to record a multi-digital registration on said receiving section, a registering device, a multi-contact relay in said transmitting section, and means to selectively position said registering device in accordance with said multi-digital registration in response to the energization of said last mentioned relay.

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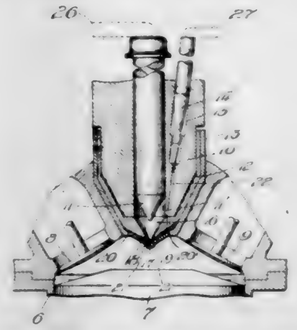
**1,561,913. OIL ENGINE.** CLESSIE L. CUMMINS, Columbus, Ind., assignor to Oil Engine Development Company, Columbus, Ind., a Corporation of Indiana. Filed July 30, 1924. Serial No. 729,143. 17 Claims. (Cl. 123—33.)

1. In an oil engine, the combination of a cylinder and a piston operable therein, a fuel vaporizing and injecting device comprising a chamber having restricted openings between it and the combustion space of the cylinder, a plunger operable in said chamber, means for discharging a charge of liquid fuel directly into said chamber and at a point where it forms a pool over said openings so that the charge of fuel is heated, vaporized and mixed with the air forced from the combustion space into said chamber through said openings, and means



for operating said plunger to eject the entire gasified mixture of air and fuel from said chamber through said communicating openings into said combustion space.

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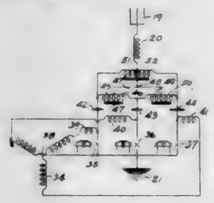
**1,561,914. RADIOFREQUENCY SYSTEM.** HAROLD F. ELLIOTT and JAMES ARTHUR MILLER, Palo Alto, Calif., assignors, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Jan. 9, 1922. Serial No. 527,884. 8 Claims. (Cl. 250—36.)



1. In a radio frequency electrical system, means including a plurality of arcs operating in branch circuits for producing high freqency oscillations, an impedance in series with each arc of such value that it forms substantially all of the impedance in the branch circuit, and means for preventing cross currents between the arcs, comprising a device arranged to consume a substantial amount of energy when cross currents exist.

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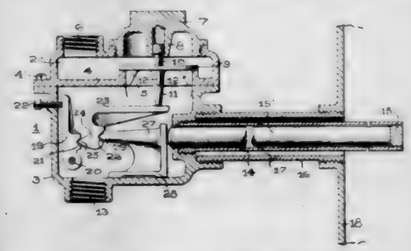
**1,561,915. AUTOMATIC GAS-CONTROL SNAP VALVE.** JOHN ELLIS, Westview, Pa. Filed Sept. 19, 1922. Serial No. 589,146. 6 Claims. (Cl. 236—102.)



1. In a gas control snap valve mechanism for water heaters, the combination of a gravity gas-control valve adapted to be seated by the combined gas pressure and the gravity thereof, a thermostat and a single lever, the

thermostat adapted at intervals to automatically actuate said lever for overcoming the gas pressure and gravity acting on the valve to quickly snap it from its seat when the temperature of the water decreases to a predetermined degree and to automatically actuate said lever in an opposite direction to permit the combined forces of gas and gravity quickly snapping the valve to closed position when the temperature of the water rises to a predetermined degree.

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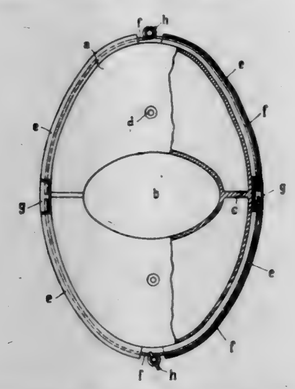
1,561,916. SWIMMING CUSHION. GOTTHARD ERNST, Wolmirstedt, Germany. Filed Aug. 3, 1925. Serial No. 47,984. 1 Claim. (Cl. 9—17.)



A swimming cushion, comprising in combination a hollow body of elastic material and of elliptic shape having a central opening, partitions for subdividing said hollow body into several cells, air valves one for each cell, a tubular extension along the periphery of said cushion, stiffening rods in said tubular extension, and means for connecting with one another the adjacent ends of said stiffening rods.

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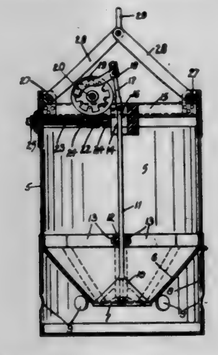
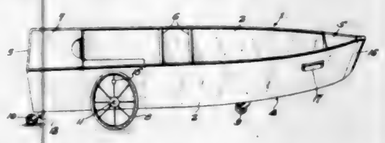
1,561,917. DISCHARGING SKIP. SAMUEL THOMAS FARNSWORTH, Rose Bay, near Sydney, and GERALD HASKINS, Avon Dam, via Bargo, New South Wales, Australia. Filed June 20, 1923, Serial No. 646,595. Renewed June 30, 1925. 2 Claims. (Cl. 294—72.)



1. A discharging skip, comprising an open topped bucket having a contracted bottom provided with a discharge opening therein, a vertically movable conical closure for said opening, means for raising and lowering said closure in relation to said opening thereby to control the rate of discharge from said bucket, and a protecting wall enclosing said bottom.

1,561,918. CHILD'S VEHICLE. ERLE D. FEDDERSEN, Belle Plaine, Iowa. Filed Apr. 11, 1925. Serial No. 22,482. 3 Claims. (Cl. 208—38.)



1. A child's vehicle, comprising a body to receive a child, an axle, wheels mounted on the axle and having peripheral portions located at different distances from the axle to produce a rise and fall of the body when the same is propelled, said wheels being also provided on their exterior with operating means located between the axle and the rim, and a castor wheel spaced from the axle and located beneath the body.

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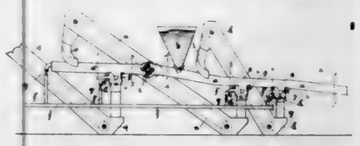
1,561,919. PLANT FOR WASHING COAL AND OTHER MINERALS BY MEANS OF LIQUID STREAMS. ANTOINE FRANCE, Liege, Belgium. Filed Feb. 26, 1924. Serial No. 695,262. 4 Claims. (Cl. 83—59.)



1. In a plant for washing coal and other minerals by means of liquid streams, the combination with a launder for the initial classification of the mineral under the influence of a liquid conveying stream having a slight downward slope in relation to the horizontal, means for feeding the raw mineral to the highest end of said launder, a plurality of adjustable wet sorting apparatus for completing the classification under the action of upward liquid streams, depending from and in communication with the launder, and mechanical means for removing the products discharged by the sorting apparatus closest to the low end of the launder and returning them into said launder immediately below the aforesaid feeding means, of: a launder extension leading to the highest end of the aforesaid launder, an additional adjustable upward stream wet sorting apparatus depending from and in communication with said launder extension, mechanical means for removing the products discharged by the sorting apparatus closest to the high end of the launder and discharging them into the portion of the launder extension leading to the additional sorting apparatus, and a crushing mill arranged in the aforesaid launder extension between the last named sorting apparatus and the high end of the launder, substantially as described.

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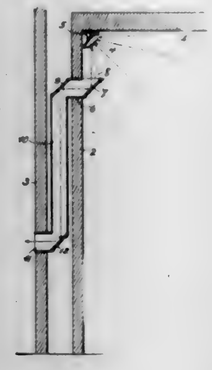
1,561,920. OPTICAL DEVICE. FRED FULGORA, Pittsburgh, Pa., assignor of forty-five per cent to James N. McGrath, jr., and ten per cent to A. H. Leslie, Pittsburgh, Pa. Filed Sept. 2, 1921. Serial No. 498,121. 1 Claim. (Cl. 88—67.)

Means for observing the interior of an enclosure from a point outside the enclosure, comprising a convex mirror secured across a corner defined by the top and a side of the enclosure at an angle of approximately 45° to the side and top of the enclosure, a tube passing horizontally through the side of the enclosure below the convex mirror with one end projecting into the enclosure and having an opening in its upper side vertically under the convex mirror, and a plane mirror extending across the inner end of the tube below the opening in the upper side thereof at an angle of approximately 45° to the side of the enclosure, the lower end of said plane mirror being located at the side of the enclosure and the upper end of the mirror being spaced inwardly from the same





and there being a free unobstructed open space between the plane mirror and the convex mirror whereby the entire interior of the enclosure is within the range of the convex mirror.

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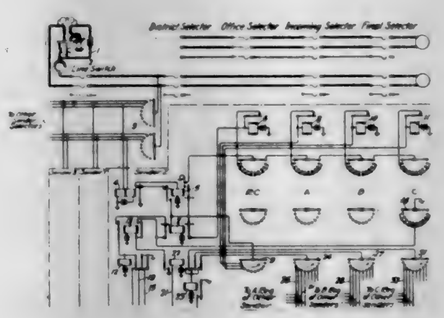
1,561,921. REGISTERING SYSTEM. JOHN W. GOODERHAM, Yonkers, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 12, 1922. Serial No. 567,539. 7 Claims. (Cl. 179—18.)



1. In a selection controlling system, a plurality of registering devices, a set of relays common thereto, a circuit, remote control means to position said registers, a plurality of outlets for said circuit provided by different settings of any one of said registering devices, and means to extend said circuit to a desired one of said outlets through contacts of a certain one of said relays.

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1,561,922. BEDCLOTHES SUPPORT. CHANCY F. HEATH, Grand Rapids, Mich. Filed Mar. 2, 1925. Serial No. 12,674. 4 Claims. (Cl. 24—72.5.)

1. In a clamping device for holding bed clothes securely at the foot of the bed, U formed clamping springs having a long arm and a shorter arm, a clamping block secured to the shorter arm and having an offset in the back side thereof, an auxiliary clamping block made to pass freely between the offset in the clamping block and the longer arms of the clamping springs, securing elements pivotally

mounted upon the upper ends of the longer arms of the clamping springs in position to be made to engage the upper surface of the auxiliary clamping block and hold it firmly in place, and means for securing the clamping device at the foot of the bed.

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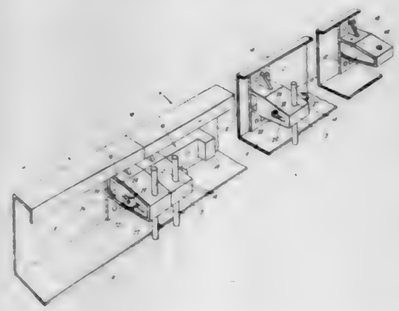
1,561,923. CONCRETE FORM. FRANCIS OSCAR HELTZEL, York, Pa., assignor to Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Feb. 20, 1925. Serial No. 10,624. 12 Claims. (Cl. 25—118.)



1. A concrete form having means for receiving two stakes, and a single element arranged to simultaneously clamp both stakes.

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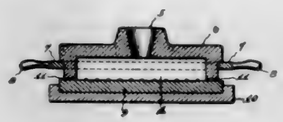
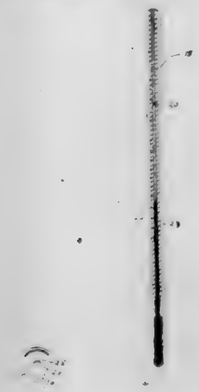
1,561,924. METAL FOUNDING. AUGUSTUS M. HENRY, Brooklyn, N. Y., assignor to William W. Weitling, trustee, College Point, N. Y. Filed Jan. 23, 1924. Serial No. 688,031. 2 Claims. (Cl. 22—188.)



1. A mold including a molding cavity having a permanent facing formed of a surface of a preformed block of a material having the qualities of being able to be pressed to such shape from granular components, and of having the ability to withstand repeated heat-shocks as the result of repeated casting operations.

1,561,925. THERMOMETER. ALFRED T. HESPE, New York, N. Y. Filed Jan. 10, 1922. Serial No. 528,327. 2 Claims. (Cl. 73—52.)



1. A thermometer comprising a glass tube having a longitudinally arranged drawn glass colored member forming a portion of the wall of the bore at the back side only thereof and adapted to be covered by the fluid rising in the bore, when viewed through the front.

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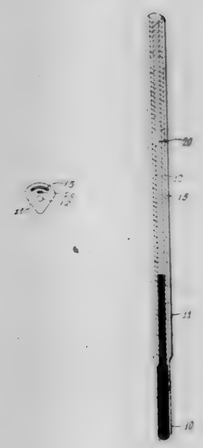
1,561,926. THERMOMETER TUBE. ALFRED T. HESPE, East Orange, N. J. Filed Jan. 6, 1925. Serial No. 785. 2 Claims. (Cl. 73—52.)



2. A thermometer tube having a light shield and a colored member arranged between the tube bore and said light shield and separated from both said bore and said light shield by intervening transparent glass, said colored member being of a visual width substantially equal to the width of said bore.

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1,561,927. SURGICAL INSTRUMENT. STEPHEN HRANKOWSKY, Detroit, Mich. Filed July 18, 1923. Serial No. 652,346. 2 Claims. (Cl. 128—172.)

1. In a device for treating the ear, a hollow conical tube formed by spirally winding a strip of material, said strip being initially rectangular in plan view and having parallel sides and ends, the strip being formed of material having the inherent quality of being porous and pervious to air to promote natural combustion

thereof, and a solid layer of wax material applied to the outer surface of said tube for preventing the passage of air through the wall thereof during combustion.

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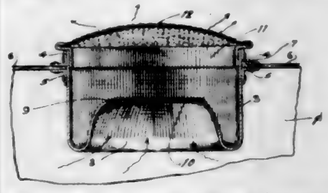
1,561,928. DUST BAG FOR VACUUM CLEANERS. CLARA M. JAQUITH, Denver, Colo. Filed May 28, 1924. Serial No. 716,291. 4 Claims. (Cl. 183—45.)



1. A dust bag for vacuum cleaners comprising, in combination, a flexible, substantially air tight fabric bag adapted to be secured to the exhaust opening of a vacuum cleaner and to receive the dust and dirt from the latter, said bag having an opening, a metal container projecting from opposite sides of the wall of said fabric bag and located within the opening and secured to the edges thereof by means forming an air tight seal, said container being adapted to receive a filter medium, the top and bottom of said container being foraminated whereby air may pass outwardly through the container.

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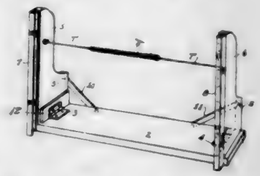
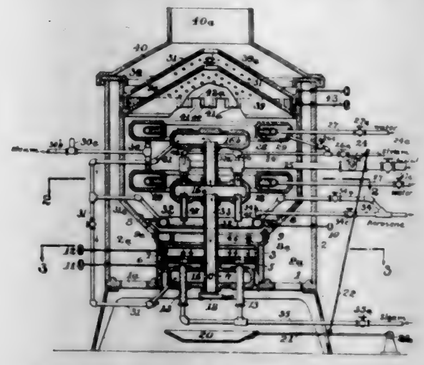
1,561,929. METHOD AND MOUNTING FOR ADVERTISING DISPLAYS. MARTIN T. C. JENTER, Mount Vernon, N. Y. Filed Aug. 15, 1924. Serial No. 732,240. 14 Claims. (Cl. 40—146.)



1. A display stand of the class described, comprising in combination, a base piece, card display holding uprights hingedly mounted thereon, means for locking said display in open position, and a resilient detachable tie between said uprights.



1,561,930. OIL BURNER AND GENERATOR. ANDREW W. JOHNSON, Chester, Pa. Filed Jan. 15, 1925. Serial No. 2,484. 13 Claims. (Cl. 158—56.)



1. In an apparatus of the character stated, the combination of a casing providing a combustion chamber, a vapor generator comprising a retort in which the oil to be vaporized is supplied, one or more steam nozzles for spraying the oil into the retort whereby it is delivered in a subdivided condition, an oil burner arranged at the bottom of the combustion chamber and directed upwardly toward the retort, said burner forcing the burner flame upwardly, a communication between a source of oil and the burner whereby the latter is enabled to provide combustive gases, an outlet from the retort directed downward toward the burner but terminating at a distance above the same whereby sprayed hydrocarbons may be projected directly into the combustion chamber and into the flame from the burner so as to be thoroughly consumed, and means for regulating the supply of air to provide air not only for the burner but to assist in the combustion of the gases from the retort.

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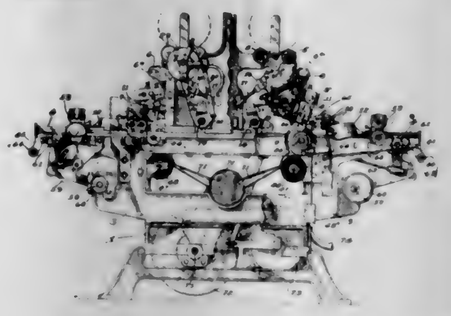
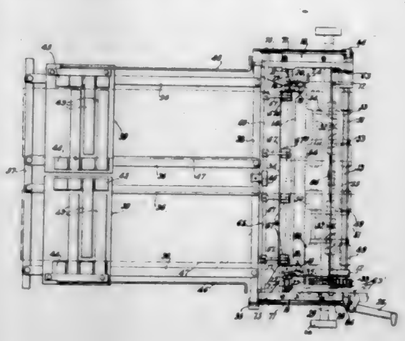
1,561,931. COTTON COMBER. JAMES JOLLY, Bolton, England, assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Jan. 16, 1923. Serial No. 612,929. 21 Claims. (Cl. 19—116.)



1. A double comber comprising oppositely disposed rows of comber heads and a drive-head including a power shaft, two gears driven by said shaft, means associated with each of said gears adapted respectively to be engaged thereto or released therefrom and respectively connected for driving one of said rows, and an operator's control member for each of said means situated adjacent the row of comber heads driven thereby.

1,561,932. TYPEWRITING MACHINE. WILLIAM ASHLEY KELLY, Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 2, 1921. Serial No. 457,965. 9 Claims. (Cl. 197—126.)



1. In a continuous billing typewriting machine, in combination, a displaceable unitary platen, means for guiding a pair of web-sets side by side to and around the unitary platen, line-spacing mechanism for said platen, two sets of feed-rolls cooperating with said platen, one set for feeding each web-set, the platen being separated from both sets of rolls at the platen-displacing operation, whereby both web-sets are released, means for throwing off one of said sets of feed-rolls to cause the web-set controlled thereby to be idle, so that operation of the line-spacing mechanism will feed only the other of the web-sets, and means for clamping the idle web-set against accidental misplacement while the platen is displaced.

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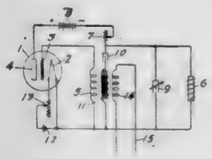
1,561,933. SOURCE OF ALTERNATING CURRENT. BURTON W. KENDALL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 7, 1918. Serial No. 248,713. 9 Claims. (Cl. 250—36.)



1. An oscillator comprising an electron discharge device having input and output circuits, an anti-resonant circuit, for determining the frequency of the oscillations generated, directly connected to said output circuit, said anti-resonant circuit containing a magnetic core inductance, and means for excluding unidirectional current from said inductance.

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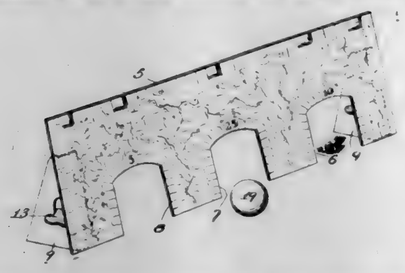
1,561,934. GAME DEVICE. WALTER J. KENNEDY, New York, N. Y. Filed Aug. 5, 1924. Serial No. 730,142. 2 Claims. (Cl. 273—127.)

1. A game device of the class described comprising an elongated board member provided longitudinally of one side edge thereof with spaced apertures, means foid-

able onto one face of said board member for supporting the same when extended at right angles to the board members in an upright position, said means comprising



easels and members formed from said easels and cooperating therewith for retaining the same in an extended position.

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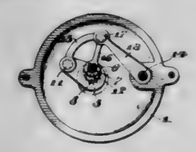
1,561,935. VALVE GRINDER. JOHN ERNEST KESSLER, Philadelphia, Pa. Filed Oct. 4, 1922. Serial No. 592,219. 3 Claims. (Cl. 74—14.)



2. Valve grinding mechanism for converting rotary motion into oscillation motion which comprises the combination of a driving spindle mounted for rotation a crank pin fast on said spindle, a follower spindle axially aligned with the first mentioned spindle and mounted for oscillation and provided with a crank pin, a rock-arm, a pivot fixed in respect to the elements mentioned and about which the rock-arm swings, and a pair of links concentrically pivoted to the rock-arm and respectively pivotally connected with the crank pin.

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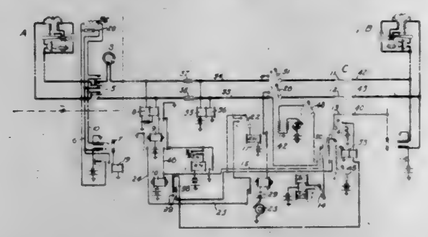
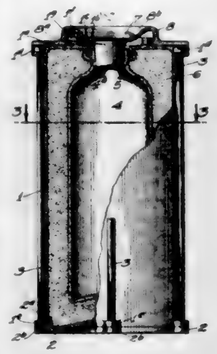
1,561,936. TELEPHONE-EXCHANGE SYSTEM. WALTER C. KIESEL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 31, 1919. Serial No. 334,638. 10 Claims. (Cl. 179—27.)



1. In a telephone exchange system, a plurality of subscribers' lines, a manual and an automatic connecting circuit for extending a calling one of said lines to a called one of said lines, subscriber controlled switching means for selectively extending the calling line over said manual or said automatic connecting circuit, and a signaling device for the calling line placed in operative relationship with one of the connecting circuits in response to the actuation of the switching means to connect the calling line to the other of the connecting circuits.

1,561,937. THERMOCONTAINER. WALTER C. KILIUS and JOHN F. RUDOLPH, Lompoc, Calif.; said Rudolph assignor to said Kilius. Filed Oct. 4, 1922. Serial No. 592,349. 5 Claims. (Cl. 215—12.)



1. A container of the class described, including a sectional casing, reinforcing and tie members extending the length of said casing securing said casing sections to each other and reinforcing said receptacles, a container positioned within said casing and a diatomaceous insulating material positioned in the space between the casing and said container positioning the same relatively to each other.

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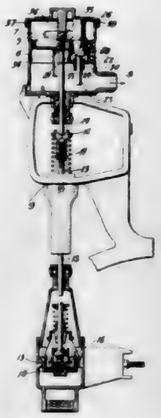
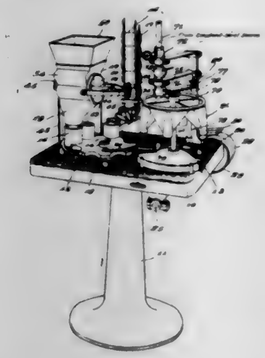
1,561,938. WATER VALVE FOR INSTANTANEOUS WATER HEATERS. JOHN H. KOLTS, Crafton, Pa., assignor to Pittsburg Water Heater Company, a Corporation of New Jersey. Filed May 19, 1922. Serial No. 562,058. 6 Claims. (Cl. 236—25.)



1. A water valve for an instantaneous water heater, comprising a chamber with water inlet and outlet; an apertured water piston in said chamber between said inlet and outlet, with actuating means for the gas supply control of the heater; movable valve means for the piston aperture opened by inlet pressure actuated movement of the piston and positively moved to close by return movement thereof; and means outside said chamber for returning the piston when the inlet pressure thereon falls off.



1,561,939. MEASURING AND FILLING DEVICE. HARRY W. LOWE, deceased, late of Indianapolis, Ind., by Mark W. Lowe, administrator, Buffalo, N. Y. Filed Mar. 1, 1920. Serial No. 362,589. 12 Claims. (Cl. 226—97.)



1. In a measuring and filling apparatus, two interconnected receptacle-moving devices, one being arranged to operate continuously and one intermittently, a stationary measuring device for measuring and discharging solids into successive receptacles while they are associated with the intermittent receptacle-moving device during the period when the latter is stationary, and a movable device for discharging measured quantities of liquid into successive receptacles while they are associated with the continuous receptacle-moving device, one of said receptacle-moving devices being arranged to feed receptacles to the other.

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1,561,940. ADVERTISING SIGN. WALTER G. LUTHER, Cincinnati, Ohio. Filed July 11, 1923. Serial No. 650,945. 5 Claims. (Cl. 40—39.)

1. In a device of the class described, a stationary member having an opening therein, a disc attached to said stationary member and adapted to rotate continuously and having a detachable sign thereon, said sign having character designations thereon and adapted to appear intermittently before said opening and means for rotating said disc, substantially as described.

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1,561,941. MOTION-PICTURE FILM. ANDRÉ NOËL MERLE, Paris, France, assignor to Pathe Cinema Anciens Etablissements Pathe Freres, Paris, France. Filed June 1, 1925. Serial No. 34,037. 1 Claim. (Cl. 88—19.5.)

In a motion picture film adapted to be driven by driving claw or claws the provision, upon the part of the film intended to come in front of said claw or claws when the film is inserted in the film gate of the motion picture apparatus, of driving perforations the length

whereof is greater than that of the standard perforations in the remainder of the film and is smaller than the stroke of said driving claw or claws.

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1,561,942. PROCESS OF SPLICING UNCURED RUBBER COMPOUNDS. ERWIN E. A. G. MEYER, Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Feb. 24, 1925. Serial No. 11,167. 7 Claims. (Cl. 154—42.)

5. That method of splicing unvulcanized rubber articles incident to their manufacture which consists in severing the unvulcanized rubber, coating the freshly exposed surfaces with an aqueous dispersion of rubber, and subsequently joining the surfaces thus coated.

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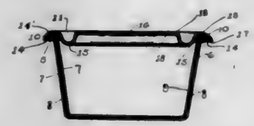
1,561,943. DISH AND COVER. FREDERICK S. MORRIS, Sheboygan, Wis., assignor to The Vollrath Co., Sheboygan, Wis., a Corporation of Wisconsin. Filed Jan. 10, 1922. Serial No. 528,225. 2 Claims. (Cl. 65—16.)



1. A sheet metal dish and cover of rectangular form in horizontal section and having seamless corner portions being nonfolded and formed of single thickness of metal, the cover having a rectangular groove on one side to receive the upper edge portions of the dish and being invertible for use on either side.

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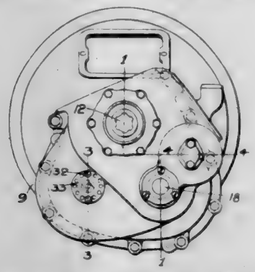
1,561,944. CHAIN-GEAR TRANSMISSION. FRANK L. MORSE, Ithaca, N. Y. Filed Jan. 10, 1920. Serial No. 350,502. 9 Claims. (Cl. 74—59.)

1. In a transmission mechanism, the combination of a power shaft having a sprocket gear, a driven shaft also having a sprocket gear, a lay shaft having corresponding sprocket gears, drive chains for said sprocket

gears, a clutch device for one of said sprocket gears, another normally fixed shaft having additional sprocket gears loosely mounted thereon, a bushing on said shaft



for separating said sprockets, and a clutch device rotatably mounted on said bushing for connecting said additional sprockets together.

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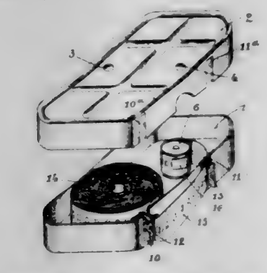
1,561,945. FILM HOLDER FOR CINEMATOGRAPH CAMERAS. EMILE CHRISTIAN PÉNIN, Joinville-le-Pont, France, assignor to Pathé Cinéma Anciens Établissements Pathé Freres, Paris, France. Filed May 7, 1924. Serial No. 711,551. 3 Claims. (Cl. 242—71.)



1. In a film holder for cinematograph camera, the combination with a box, of a roll of unexposed film adapted to be disposed in said box, a socket in said box, a revoluble cap mounted upon said socket, a transverse rod carried by and in the interior of said cap, a control axle, teeth mounted upon said axle and adapted to be engaged by said transverse rod, a control handle, a friction coupling connecting said control axle with said handle, and an elastic ring adapted to clamp the forward end of the film upon the said cap.

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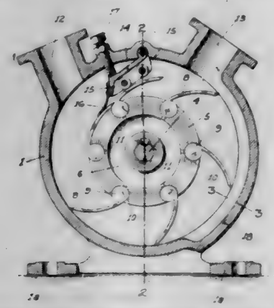
1,561,946. ROTARY ENGINE. LARS IBSEN RASMUSSEN, Westwood, Calif. Filed Apr. 12, 1923. Serial No. 631,628. 2 Claims. (Cl. 121—93.)



1. A fluid turbine comprising an enclosed casing having spaced intake and exhause passages, a rotor turnably mounted in the casing, vanes flexibly mounted on the rotor and extending therefrom to the casing, and adapted to fold down toward the rotor in one direction, and a combined fluid baffle and vane deflecting structure in the casing extending at an angle to a radial line and disposed between the intake and exhaust, said structure comprising a body member, rollers mounted therein and with which the vanes contact when being deflected, and a spring apron on the body at the end thereof nearest the rotor and bearing against the vanes as they are folded against the rotor after being deflected by the rollers.

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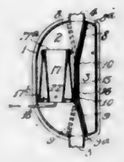
1,561,947. HEATER FOR AUTOMOBILES. JOSEPH RICHARDSON, Surrey Hills, and ALBERT LANCELOT HENDERSON, Kensington, Victoria, Australia. Filed Feb. 26, 1924. Serial No. 695,177. 3 Claims. (Cl. 257—246.)



2. In an automobile heating apparatus including an exhaust pipe, a boiler element and water circulation means, the combination of a casing adapted to allow the passage of exhaust gases therethrough and enclosing said boiler element, a partition in said casing comprising one fixed section and two swinging sections pivotally supported by opposite edges of said fixed section, and means for adjusting said swinging sections to allow desired quantities of exhaust gases to pass through and around said boiler element.

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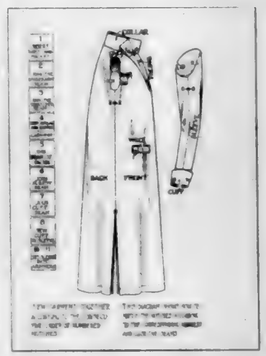
1,561,948. PATTERN CHART. MAYER ROHR, New York, N. Y., assignor to The McCall Company, New York, N. Y., a Corporation of New York. Filed Apr. 5, 1924. Serial No. 704,439. 4 Claims. (Cl. 283—1.)



1. A pattern chart comprising an illustration of an assembled garment with the seams thereof marked with the symbols of a certain series in a determined consecutive order corresponding to the order in which the parts of the garment are to be assembled.

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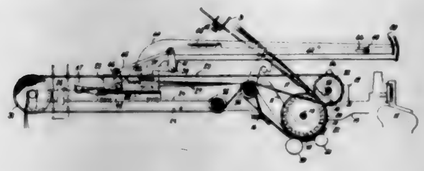
1,561,949. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 7, 1923. Serial No. 661,364. 29 Claims. (Cl. 197—126.)

1. In a continuous billing typewriting machine, a carriage, a cylindrical platen therein, line-spacing mechanism for the platen, a rear carriage-extension, a carbon-carrier movable toward and from the platen for holding carbons interleaved with plies of a continuous work-web, and means acting independently of the work-web to draw the carbon-carrier forward, whereby tension



on the work-web and carbons at the line-spacing operation due to the inertia of the carbon-carrier and web, which would tend to cause slipping of the web relatively to the platen, is prevented.

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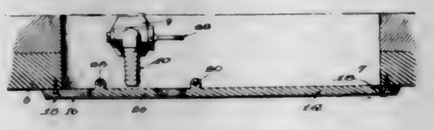
1,561,950. WALL PLUG FOR USE WITH GAS. WILKES SMITH, Waco, Tex. Filed July 26, 1924. Serial No. 728,387. 2 Claims. (Cl. 137—111.)



1. In a wall plug for use with gas, the combination of a valve positioned in an opening in a wall and having a body stem and a valve handle, a base plate extending over said opening and having a door pivoted directly thereon and arranged outwardly of said stem and adapted to be opened to permit a gas hose to be connected to the stem, said base plate being provided at one side of said first named door with a second door directly hinged to said base plate and affording access to the handle of said valve, said second named door being spaced from destructive contact with that portion of the base which is connected to said stem.

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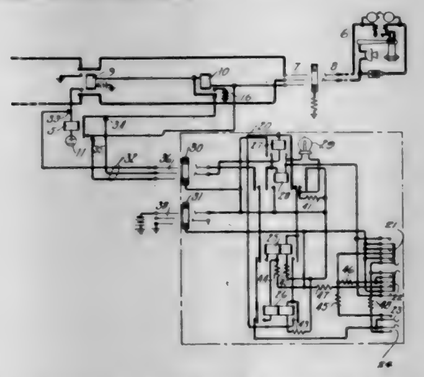
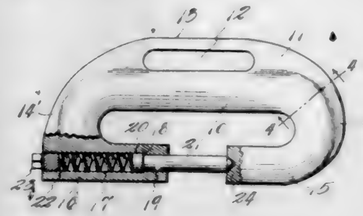
1,561,951. TESTING DEVICE. LELAND J. STACY, Caldwell, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 17, 1924. Serial No. 738,204. 12 Claims. (Cl. 175—183.)



1. A method of testing relays consisting in subjecting a relay to testing current from an alternating current source at the peak of a wave and indicating the result of the test.



1,561,952. SAFETY C LINK. OSCAR C. STAPLES, Tulsa, Okla. Filed Oct. 13, 1924. Serial No. 743,878. 3 Claims. (Cl. 24—234.)



1. A C link for pumping rods comprising a link body having a hook-shape formation at each end thereof, and provided with a laterally projecting web having an opening therein and a hand grip contiguous to the opening.

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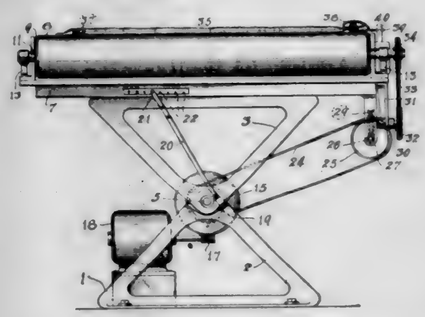
1,561,953. METHOD OF AND APPARATUS FOR DEVELOPING FILMS. ERNEST J. SWEETLAND, Montclair, N. J. Filed Nov. 15, 1919. Serial No. 338,268. 15 Claims. (Cl. 95—94.)



1. In a film developing apparatus, the combination of a receptacle to receive film treating solution, means for holding a strip of film unrolled in position to be immersed in said solution, means for maintaining said solution in motion while the film is immersed therein, and means for moving said film transversely to its length simultaneously with said motion of the solution.

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1,561,954. OPEN-AIR CRIB. EVELYN C. SWEETSER, Brooklyn, N. Y. Filed Oct. 8, 1924. Serial No. 742,287. 1 Claim. (Cl. 5—10.)

In an open air crib the combination of the following elements; a base frame member adapted to be secured to a window frame; sectional front and side members adapted to be locked in position on the said base frame member; means for locking the said front and side members on the said base frame member and comprising rotatable hooks mounted in the frame of the said base frame member and adapted to engage by their hooked ends with the frames of the said front and side members; means for locking together the said front and side members and comprising arched clamps adapted for engagement on their concave sides with the upright frame members of the said front and side members, and means for locking the said arched clamps in engagement with the said upright frame members; and means for holding the assembled structure against lateral or vertical movement comprising braces adapted to be secured at their upper ends to a window frame,

a rod mounted below the base-frame member of the crib and, means for locking together the lower ends

of the said braces and the ends of the said rod, and hooks adapted to lock together the side members of the base frame and the ends of the said rod.

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1,561,955. ENZYMIC BEVERAGE. JOKICHI TAKAMINE, Jr., Clifton, N. J., assignor to Takamine Ferment Company, New York, N. Y., a Corporation of West Virginia. Filed Nov. 17, 1919. Serial No. 338,763. 3 Claims. (Cl. 99—11.)

1. The process of making an enzyme containing beverage having diastatic and proteolitic properties which comprises isolating a water soluble enzymic compound of vegetable fungus origin, and mixing therewith dissolved cane sugar to a thick syrup suitable for dilution with water.

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1,561,956. MANUFACTURE OF CORES. WILLIAM G. THOMAS, South Orange, N. J., assignor to H. H. Thomas, Summit, N. J. Filed Oct. 6, 1923. Serial No. 667,083. 3 Claims. (Cl. 22—188.)

1. A core compound comprising sand, emulsified asphalt and water.

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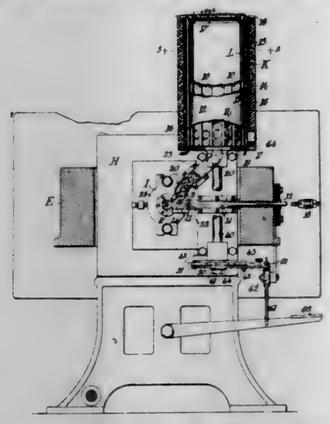
1,561,957. APPARATUS FOR HEATING AND FEEDING BLANKS. WALTER M. TOWNE, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed Mar. 28, 1924. Serial No. 702,627. 20 Claims. (Cl. 266—5.)



1. An apparatus for heating and feeding blanks, comprising a series of conduits each receiving a plurality of blanks, a heating means adjacent said conduits and a feeding means for feeding the blanks successively from the respective conduits, with adjusting means for controlling the rate of heating and a rate of travel of the blanks, relatively to one another, to determine the temperature of the outfed blanks.

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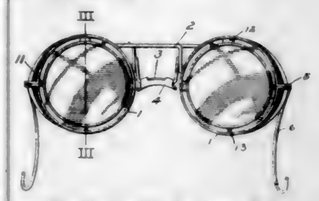
1,561,958. GOGGLES. GEORGE L. TULLY, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Sept. 18, 1922. Serial No. 588,914 4 Claims. (Cl. 88—41.)



1. The combination with the lens frame, of a protection goggle, of an auxiliary frame having lugs extending from the periphery thereof, certain of said lugs having pivotal connection with the first frame, and certain of said lugs having frictional engagement with the first frame to retain the auxiliary frame in operative position.

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1,561,959. NECKTIE. STEPHEN TURIGA, Beacon, N. Y. Filed Mar. 10, 1925. Serial No. 14,513. 1 Claim. (Cl. 2—144.)

A necktie of the class described including in combination an isosceles right triangular shaped frame covered with fabric material, a scarf having its knot secured to the frame at the center of its hypothenuse side, and a band attached to one end of the hypothenuse side of the frame and having its free end provided with means for detachably engaging the other end of the hypothenuse side of the frame.

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1,561,960. GOLF POSITIONING APPARATUS. HARRY A. UNGAR, Los Angeles, Calif. Filed Sept. 8, 1924. Serial No. 736,395. 19 Claims. (Cl. 273—35.)

1. In golf positioning apparatus, a support adapted to be fixed to the ground, a rod adjustably mounted in said support, means for holding said rod in adjusted position in said support, a second rod slidably carried by the first rod, and means carried by said second rod and adapted to be secured to and hold the body of a player.

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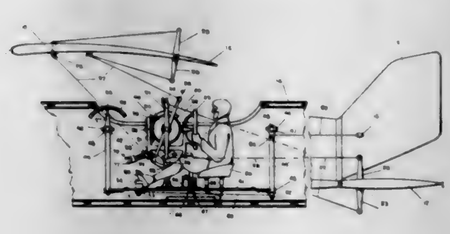
1,561,961. AIRCRAFT CONTROL AND STABILIZER. CHARLES WENDELKEN, Corpus Christi, Tex. Filed Mar. 22, 1924. Serial No. 701,071. 20 Claims. (Cl. 244—29.)



1. A control mechanism for aircraft including an elevator operating shaft, two aileron operating gear wheels rotatable on said shaft, a member arranged to turn with said shaft and adjustable angularly relatively to said shaft, and an intermediate gear wheel carried for rotation by said member and connected to the aforesaid gear wheels.

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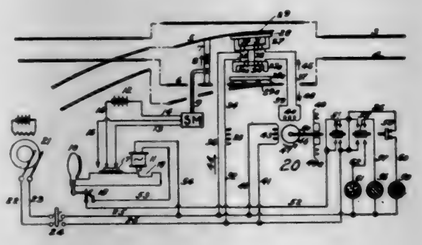
1,561,962. RAILWAY-TRAFFIC-CONTROLLING SYSTEM. GILBERT C. WHITNEY, New York, N. Y. Filed Mar. 27, 1922. Serial No. 547,146. 33 Claims. (Cl. 246—135.)



1. In a railway traffic controlling system, a circuit and a source of energy for supplying current to the circuit, means for inducing current from said circuit into an additional circuit, and a plurality of butt contact magnetic means for controlling the relative direction and value of current flow in said additional circuit.

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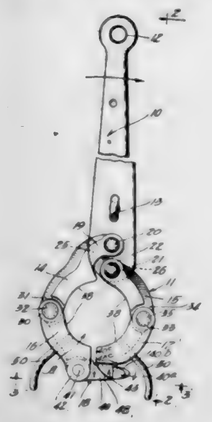
1,561,963. TONGS. ELIHU CLEMENT WILSON, Los Angeles, Calif. Filed Sept. 12, 1921. Serial No. 500,177. 14 Claims. (Cl. 81—66.)

1. A device of the character described, comprising a lever, and casing engaging means in connection with the lever, said means comprising two oppositely disposed symmetrical series of pivotally connected pipe engaging links pivotally mounted on the lever, means in connection with a link of each series to limit its pivotal movement, and means for detachably connecting the outer links of the two series, said links in their connected position being each curved about a common center and each adapted to engage a pipe.



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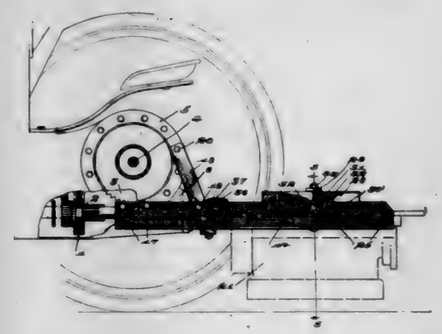
1,561,964. TRACTOR ATTACHMENT FOR BURNING IN BEARINGS. RICHARD C. WITTMAN, HILARY FRANCIS WITTMAN, and EDWIN ANTHONY WITTMAN, St. Marys, Pa. Filed Apr. 17, 1925. Serial No. 23,986. 5 Claims. (Cl. 29—89.5.)



1. An attachment of the character described comprising a frame attachable to a fixed part of the rear end structure of a tractor, said frame being adapted to support an engine block, a shaft adapted to replace the usual worm drive shaft of the tractor, said substitute shaft being disconnected from the usual worm wheel of the transmission mechanism of the tractor, and means for coupling the crank shaft of said engine block to said substitute drive shaft.

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1,561,965. WRINGER CLAMP. JOHN E. ANDERSON, Waukesha, Wis. Filed Jan. 12, 1922. Serial No. 528,717. 2 Claims. (Cl. 68—2.)

2. A closed wringer support adapted for attachment to a tub, comprising a pair of inverted U-shaped members arranged in parallel relation, a threaded element carried by one leg of each of the inverted U-shaped members and adapted to engage with the tub, a ver-

a rod mounted below the base-frame member of the crib and, means for locking together the lower ends

of the said braces and the ends of the said rod, and hooks adapted to lock together the side members of the base frame and the ends of the said rod.

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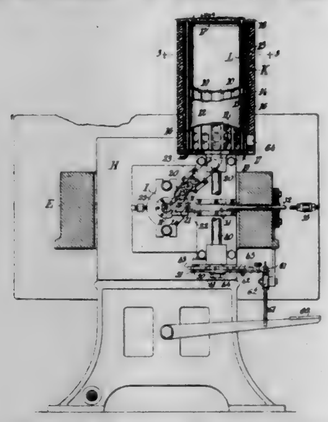

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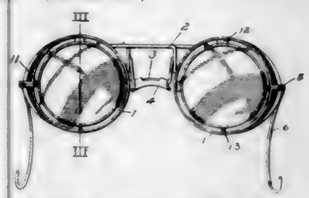

1. The combination with the lens frame, of a protection goggle, of an auxiliary frame having lugs extending from the periphery thereof, certain of said lugs having pivotal connection with the first frame, and certain of said lugs having frictional engagement with the first frame to retain the auxiliary frame in operative position.

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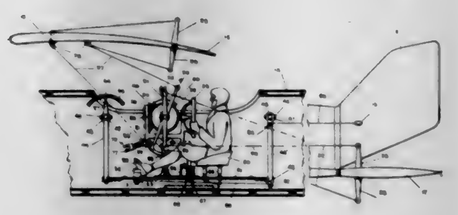

1. A control mechanism for aircraft including an elevator operating shaft, two aileron operating gear wheels rotatable on said shaft, a member arranged to turn with said shaft and adjustable angularly relatively to said shaft, and an intermediate gear wheel carried for rotation by said member and connected to the aforesaid gear wheels.

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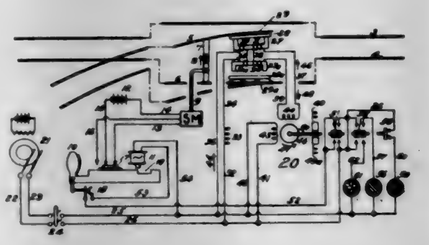

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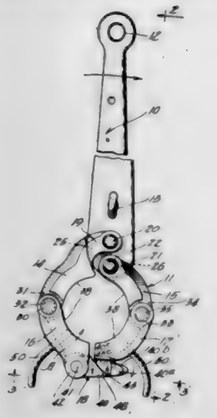

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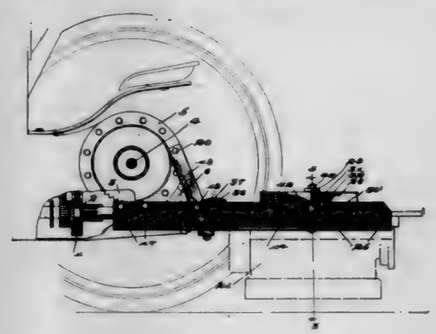
1,561,964. TRACTOR ATTACHMENT FOR BURNING IN BEARINGS. RICHARD C. WITTMAN, HILARY FRANCIS WITTMAN, and EDWIN ANTHONY WITTMAN, St. Marys, Pa. Filed Apr. 17, 1925. Serial No. 23,986. 5 Claims. (Cl. 29—89.5.)



1. An attachment of the character described comprising a frame attachable to a fixed part of the rear end structure of a tractor, said frame being adapted to support an engine block, a shaft adapted to replace the usual worm drive shaft of the tractor, said substitute shaft being disconnected from the usual worm wheel of the transmission mechanism of the tractor, and means for coupling the crank shaft of said engine block to said substitute drive shaft.

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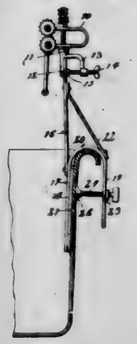
1,561,965. WRINGER CLAMP. JOHN E. ANDERSON, Waukesha, Wis. Filed Jan. 12, 1922. Serial No. 528,717. 2 Claims. (Cl. 68—2.)

2. A closed wringer support adapted for attachment to a tub, comprising a pair of inverted U-shaped members arranged in parallel relation, a threaded element carried by one leg of each of the inverted U-shaped members and adapted to engage with the tub, a ver-

tical arm secured to one leg of each of the inverted U-shaped members and disposed in longitudinal alignment with one leg of the latter, a brace element attached to the opposite leg of each of the inverted U-



shaped members and having its upper end connected with its corresponding arm, the upper ends of the arms being adapted to be engaged by a clamp of a detachable clothes wringer.

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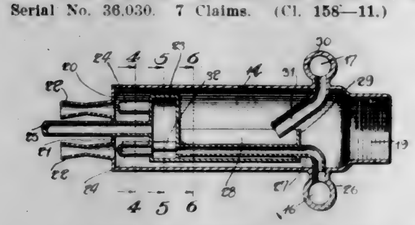
1,561,966. COMBINED GAS AND OIL NOZZLE. GEORGE BAKER, Pershing, Okla. Filed June 9, 1925. Serial No. 36,030. 7 Claims. (Cl. 158—11.)



7. A gas burner drum having an inlet and provided in one wall thereof with a plurality of venturiform outlets arranged upon a circle, a steam chamber within the drum and opposing said wall, said chamber having an inlet and having outlet nozzles corresponding in number and arrangement to the outlet of said wall and directed axially thereof, said steam chamber having a further axially disposed outlet nozzle projecting through said wall of the burner drum and having its outer end extended beyond the outer ends of the outlets of the drum, the steam conduit communicating with the inlet of the chamber and extending longitudinally of the interior of the drum, an oil pan within the drum through which said steam conduit extends and outlets for the oil pan extending through the steam chamber and having their outer ends arranged between adjacent nozzles of the steam chamber.

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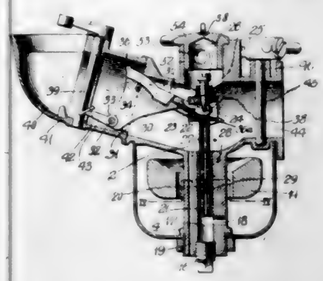
1,561,967. CARBURETOR. DAVID D. BUICK, Detroit, Mich. Filed June 8, 1918. Serial No. 238,987. 12 Claims. (Cl. 261—41.)

1. A carburetor casing having a carbureting chamber therein and adapted to communicate with the atmosphere, a float chamber constantly in communication with the carbureting chamber and adapted to provide a constant supply of volatile fluid for engine idling purposes, a metering pin establishing communication between the float chamber and the carbureting chamber and having a groove in the wall thereof establishing an additional communication between said float chamber and said carburetor chamber for variable speeds of an engine, and means carried by said metering pin causing air to travel transversely of the direction of the flow of fuel to lift the fuel from said metering pin.

11. A carburetor casing having a carbureting chamber therein and adapted to communicate with the atmosphere, a float chamber adapted to supply the fuel content of the charge for the engine, a metering pin operative in the delivery of such fuel content to the carbureting chamber and formed to provide for and permit constant communication between the chambers and to provide for additional communication therebetween



in presence of pin movements, said additional communication being inactive during periods of engine idling and made active during variable speed conditions of the engine, and means carried by the metering pin and permanently positioned with respect to the channel of constant communication of the pin and operative to cause air flow transversely of the direction of fuel flow to the outlet of such communication channel.

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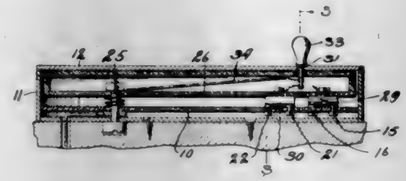
1,561,968. SOLDERING IRON. WALTHER BURSTYN, Berlin, Germany. Filed Feb. 6, 1923. Serial No. 617,411. 3 Claims. (Cl. 158—26.)

1. In a soldering implement, a metal burner member formed with an internal passage to receive a supply of illuminating gas, said passage terminating in an opening; and a burner tip of refractory material seated in said opening and formed solely with two diverging internal, gas-receiving apertures opening at their outer ends through the inner face of the tip, and two oppositely-located, converging holes of appreciably smaller diameter than said apertures leading from the inner ends of the latter and opening in extremely close relation to each other at their outer ends through the outer face of said tip, whereby the burning gases issuing through said converging holes will impinge against each other and unite in forming a thin, flat flame which is non-luminous and extremely hot.



1,561,969. SECTOR SWITCH. JOHN B. CHRABKOW, Cincinnati, Ohio. Filed Oct. 14, 1924. Serial No. 743,571. 5 Claims. (Cl. 200—7.)



1. In a switch, a member mounted to reversely operate over a fixed path, a pair of contact series mounted adjacent said path, a pair of brushes carried by the member and each operating in continual engagement with one contact series and a handle for the member pivoted to the member forming the movable contact with a switch having movable and stationary contacts, the stationary contacts of said switch being electrically connected with said brushes.

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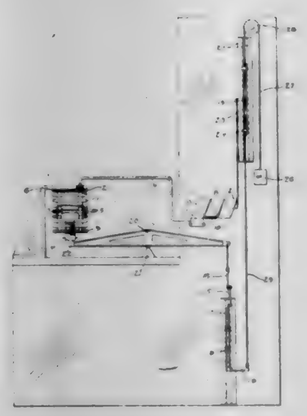
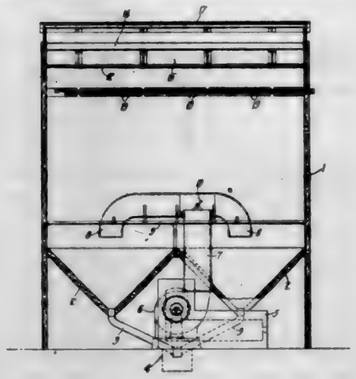
1,561,970. TESTING MACHINE. JOSEPH G. COFFIN, Hempstead, N. Y., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Sept. 1, 1922. Serial No. 585,612. 22 Claims. (Cl. 265—47.)



1. A closed elastic frictionless hydraulic system for determining forces applied in testing machines through pressure produced by the forces in the system including in combination, a unitary container with longitudinally collapsible peripherally inextensible side walls and freely shiftable substantially rigid end walls, a curved elastic tubular member having an anchored portion and an extremity movable in direct proportion to the change of pressure within the system, and a conduit establishing communication between the container and the curved tubular member, the liquid filling the conduit being substantially immovable throughout the range of operation of the system.

1,561,971. METHOD FOR TREATING PULVERULENT MATERIAL AND PRODUCT. JOSEPH G. COFFIN, Hempstead, and ALEXIS W. KEEN, New York, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Connecticut. Filed Oct. 16, 1923. Serial No. 668,957. 11 Claims. (Cl. 159—48.)



1. The method of treating clay which comprises forming a fluid suspension thereof, projecting the suspended clay in finely divided form into a heated drying medium, and drying while in suspension in the form of minute globular masses composed of lightly cohering particles of clay.

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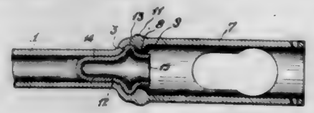
1,561,972. DRAG-LINK ELEMENT. FREDERICK C. CRAWFORD, Detroit, Mich., assignor to The Steel Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 11, 1923. Serial No. 612,143. 6 Claims. (Cl. 74—17.)



1. In a device of the class described, the combination with a body member consisting of a main member provided with an end flange, and a tubular member welded to said flange to form a socket; of a separate member seated in said socket against the inner shoulder thereof and having a portion projecting into the socket cavity and beyond the weld.

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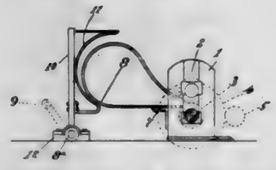
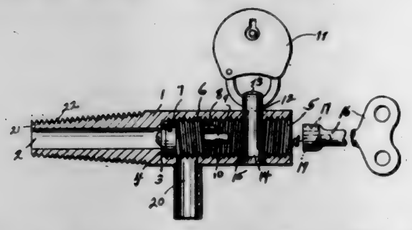
1,561,973. SHEET DOUBLER. WALTER M. CROWTHER, Middletown, Ohio. Filed Aug. 27, 1924. Serial No. 734,515. 6 Claims. (Cl. 153—28.)



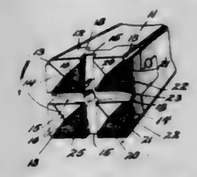
2. In a metal doubler, the combination with feed rolls, of a reversing drive for the rolls, a looped guide disposed in position to receive a piece from between the rolls, and to guide said piece into the shape of a loop, and means to move the looped piece to a position with the ends thereof between the feed rolls.

1,561,974. LOCK-CONTROL SPIGOT. ANGELO DEL GIUDICE, Youngstown, Ohio. Filed Sept. 24, 1924. Serial No. 739,681. 1 Claim. (Cl. 251—6.)



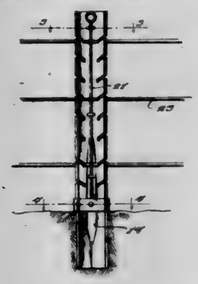
A valve mechanism of the character described, comprising a body member, a central opening in said body member, a valve seat formed at the inner end of the central opening, a threaded central opening in said body member, a threaded valve carrier functioning within said central threaded opening, a valve secured to said threaded valve carrier, three key pins secured to said threaded valve carrier, a depending exit leading from the central threaded opening, a lock bolt functioning through the outer end of said body member, means for holding said lock bolt in position, a key functioning with said key pins, substantially as described for the purpose set forth.

1,561,975. MINING DRILL. HILTON HENRY DES ROCHES, Butte, Mont., assignor of one-half to Frank F. Hayes, Butte, Mont. Filed Mar. 21, 1924. Serial No. 700,958. 10 Claims. (Cl. 255—64.)



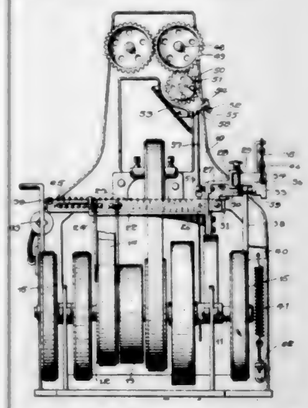
1. In a drill of the class described, in combination, a shank, an enlarged end and a cutting face formed of four spaced pyramids.

1,561,976. ALL-METAL FENCEPOST. MIKE J. DONAHOE, Jr., Sedalia, Mo. Filed Dec. 19, 1923. Serial No. 681,583. 1 Claim. (Cl. 256—52.)



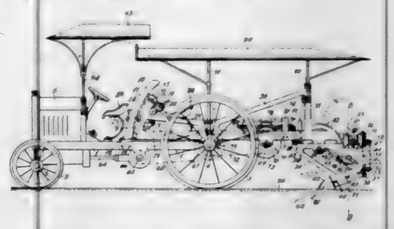
An all metal fence post comprising an angle bar having diverging flanges extending the full height of the bar and both adapted to engage and support fence wires, eye bolts engaged through the apex of the angle bar with their eyes between the flanges thereof, nuts mounted on the ends of said bolts to be turned home against the bar, a securing rod engaged through the eyes of said bolts in front of and in contact with the fence wires, a shoe encircling and adjustably secured upon the angle bar at the lower portion thereof, and a hook carried by the shoe and extending inwardly between the flanges of the bar and gripping the lower end of the securing rod.

1,561,977. MAGNETIC STOP FOR SPINNING MACHINES. ISAAC FIDLER and ROY CLERMONT PRESTON, High Point, N. C., assignors to Stehli Silks Corporation, New York, N. Y. Filed June 18, 1923. Serial No. 646,085. 5 Claims. (Cl. 192—116.5.)



1. A stop action for spinning machines and the like comprising a counter shaft, a fast and loose pulley mounted upon said shaft, a driving belt positioned to operate in conjunction with said fast and loose pulleys, a brake drum mounted upon said counter shaft, a brake shaft journaled to oscillate in parallelism with the counter shaft, a brake shoe carried by the brake shaft positioned to engage the drum, a spring tending to move the brake shoe into braking engagement with the drum, an electric motor for driving the counter shaft, an electro-magnet introduced into the circuit of the electric motor tending to hold the brake shoe inoperative against the tension of the spring when the curren is normal, and moving means for shifting the belt, the movement of which is initiated by the braking movement of the brake mechanism.

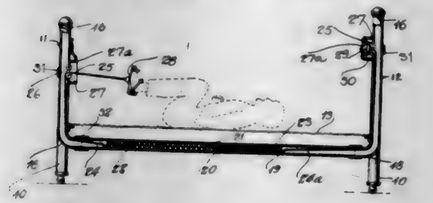
1,561,978. PLOWING MACHINE. JOSÉ FERRY GARCIA, Habana, Cuba. Filed Nov. 12, 1923. Serial No. 674,328. 3 Claims. (Cl. 97—39.)



1. A plowing machine comprising a motor vehicle, a rocking frame mounted on the rear axle of the vehicle, means for controlling the position of the rocking frame with respect to the chassis of the vehicle, a frame pivotally mounted on the rear part of the rocking frame, an earth working element rotatably mounted at the lower part of said last named frame and means to actuate such element, such actuating means being operative in only one position of the last named frame but in any of the adjusted positions of the rocking frame.

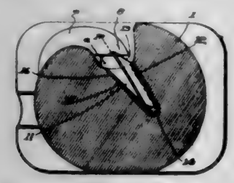


1,561,979. EXERCISE BED. ROBERT HAYES GORE, Chicago, Ill. Filed May 2, 1925. Serial No. 27,606. 7 Claims. (Cl. 272—83.)



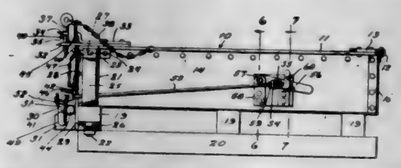
3. An exercising bed of the character described comprising a foot board and a head board including hollow, vertical members, contractile springs connected to the body of the bed and each held at one end from movement, a flexible connection passing from the other end of each spring and passing through a vertical member and out through an opening therein, and body-engaging means on the end of each flexible connection.

1,561,980. AUTOMATICALLY-THREADING SHUTTLE FOR LOOMS. ARTHUR S. JOHNSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Aug. 8, 1925. Serial No. 49,047. 10 Claims. (Cl. 139—223.)



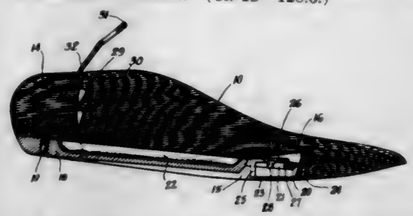
1. An automatically threading loom shuttle having a side delivery eye, a threading block formed with a longitudinally extending thread passage and provided with a thread director forming a passageway for the thread leading to the side delivery eye, and a spring actuated lock between the end of the thread director and side delivery eye normally closing the passageway between the longitudinal thread passage and side delivery eye and yieldable to the passage of the thread during loom threading.

1,561,981. DUMP-BODY TAIL-GATE MOUNTING. ALLEN A. JUELFS, McPherson, Kans. Filed May 13, 1924. Serial No. 713,023. 2 Claims. (Cl. 296—51.)



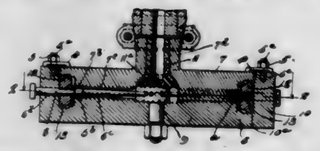
1. In a truck body open at its rear end, brackets mounted at the top of the rear end and projecting rearwardly therebeyond, notched brackets at the bottom of the rear end of the body projecting rearwardly therebeyond, an end gate provided at its top and bottom with trunnions removably engaged within said respective brackets, bearings at the rear end of the body below the open end thereof, a rock shaft journaled through said bearings and having laterally extending end portions engageable with the lower trunnions for retaining the same normally within the notched brackets, one of said lateral extensions being longer than the other and terminating in a horizontally extending portion, and means connected with said horizontal extending portion for rocking the rock shaft.

1,561,982. SHOE-TREE. JAMES E. KAYE, New York, N. Y., assignor to The Kaye Shoe Tree Manufacturing Co., Inc., New York, N. Y. Filed June 4, 1923. Serial No. 643,141. 7 Claims. (Cl. 12—128.6.)



1. A shoe tree comprising front and rear members, said front member being longitudinally recessed in its lower side, a rectangular bar rigidly fixed in said rear member to extend into the mentioned recess, and means carried by said front member adjustably engaging the end of said bar.

1,561,983. APPARATUS FOR CASTING METALLIC VEHICLE WHEELS. HARRY W. KELLER, Pittsburgh, and ALBERT T. KELLER, Bethlehem, Pa. Filed Oct. 9, 1924. Serial No. 742,628. 3 Claims. (Cl. 22—188.)



1. Apparatus for casting metal wheels having fellies with tire receiving flanges, comprising complementary mold members having mating wheel molding cavities, including a tire receiving flange cavity, a segmental core cooperating with said flange cavity, and a spoke core passing through said core.

1,561,984. ATTACHMENT FOR TEST RECEPTACLES. PERRY KIRK, Mankato, Kans. Filed Apr. 30, 1924. Serial No. 710,076. 1 Claim. (Cl. 73—51.)

An attachment for test receptacles of the class described comprising a band adapted to encircle the neck of the receptacle, the band being composed of malleable

material to permit it to be trimmed to vary the weight, and the free ends thereof being detachably connected together, and open top pockets connected to the band at substantially diametrically opposite points, said pockets being adapted for reception of additional weight.

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1,561,985. PROCESS FOR THE PRODUCTION OF SULPHURIC ACID. HANS KLENCKE, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a Corporation. Filed Mar. 28, 1924. Serial No. 702,690. 1 Claim. (Cl. 23—168.)

Process for the production of sulphuric acid which comprises bringing $SO_2$ containing cases into contact with nitrosyl sulphuric acid of a specific gravity in the neighborhood of 58° Bé. and of the highest possible concentration with respect to nitrogen-oxygen compounds and then bringing the resulting gas mixture into contact with nitrosyl sulphuric acid of a specific gravity approaching 66° Bé. and approaching the highest nitrogen-oxygen compounds concentration attainable.

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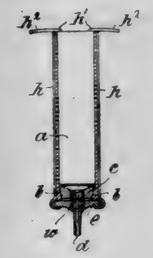
1,561,986. SYRINGE. KARL KÜPPERS, Aachen, Germany. Filed Aug. 18, 1924. Serial No. 732,834. 1 Claim. (Cl. 128—234.)



A syringe comprising a removable glass cylinder (*a*) a stopper (*c*) within said cylinder, a nozzle (*d*) fixed in the stopper, a surface (*b*) arranged on the end of the glass cylinder and serving to effect a tight joint between the stopper and the barrel, a transverse member abutting against the end of the cylinder, interengaging means on the nozzle and the transverse member for drawing the stopper and transverse member together, whereby the stopper is secured in position in the cylinder, and resilient means (*h*) on the transverse member having inwardly bent parts (*h'*) for limiting the stroke of the plunger and outwardly bent members ($h^2$) serving as handles.

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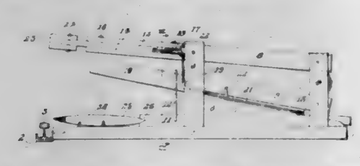
1,561,987. MINE-CAR STOP. JOZEF LATOSZEWSKI, Plymouth, Pa. Filed Mar. 7, 1925. Serial No. 13,743. 5 Claims. (Cl. 104—249.)



2. In a mine car stop, a frame structure associated with a mine car rail, a rod slidably associated with the frame structure, a brake shoe shiftable between the spokes of a car wheel upon movement of the rod, means operated by a mine car and connected to the rod for shifting the same, and means associated with the rod for raising the same during shifting movement.

1,561,988. PRESERVATION OF STONE. ARTHUR PILLANS LAURIE, Edinburgh, Scotland. Filed Apr. 8, 1924. Serial No. 705,129. 2 Claims. (Cl. 91—68.)

1. A method of preserving stone consisting in soaking the stone with an undecomposed silicic ester dissolved in a volatile solvent therefor, and allowing the moisture of the air to hydrolyze the solution, whereby a continuous film of hydrated silica is formed in the stone and holds the same together.

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1,561,989. DIRECTION INDICATOR. HARRY B. McCAINE, Atlantic City, N. J. Filed Aug. 1, 1924. Serial No. 729,554. 1 Claim. (Cl. 116—46.)

An automobile indicator comprising a vertically disposed rotary shaft, an indicator head on the upper end of said shaft including a transparent housing, said housing being provided with slots, a light within the housing, the rays of light being adapted to pass through said slots, an indicating arrow carried by said housing and disposed within said slots, to permit the light rays to project therethrough and impinge upon said arrow, a laterally disposed crank arm connected rigidly to the lower end of the shaft for imparting motion to the latter, and a clamp carried by the free end of the arm and adapted to be connected to a part of the automobile steering gear.

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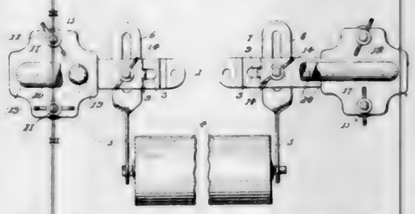
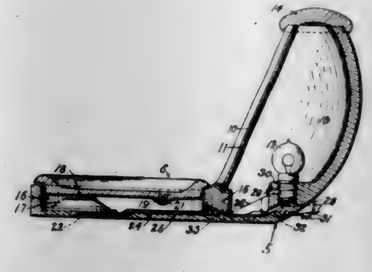
1,561,990. COMBINED SHADE-ROLLER AND CURTAIN-POLE SUPPORT. MICHAEL MACIEJKO, Meriden, Conn. Filed May 21, 1924. Serial No. 714,831. 2 Claims. (Cl. 156—24.)



1. In a combined shade roller and curtain pole support, a longitudinally slotted bracket plate, an arm slidable on the plate and having an opening therein registering with the plate, an angle lug extension on one end of the arm projecting into the bracket plate slot, a stud screw passing through the arm, opening and plate slot and cooperating with the arm lug to hold the arm horizontally alined with the bracket plate, a lug on the stud screw entering the plate slot to prevent rotation thereof, a thumb nut on the other end of the screw, a shade roller support clamped between the bracket plate and arm and a curtain pole support at the outer end of the arm.



1,561,991. COMBINED CHANGE RECEIVER AND SIGN ILLUMINATOR. PHILIP MICHALOVE, Asheville, N. C., assignor of one-tenth to Sterling P. Buck, Washington, D. C. Filed Aug. 16, 1923. Serial No. 657,707. 8 Claims. (Cl. 40—130.)



1. A combined change receiver and sign illuminator which includes an integrally formed insulating body comprising a low front part and a relatively high rear part, said front part having an upwardly opening switch-chamber therein, said rear portion having a forwardly opening lamp-chamber therein and provided with upright grooves to receive a sign, also provided with a lamp-socket in rear of the grooves, also provided with a reflector in rear of the entrance of the lamp-socket; an electric switch in the switch-chamber; electric conductors connecting said lamp-socket to said switch and adapted to be connected to an electric energizing source; and a coin-receiving pan closing the opening of said switch-chamber and being depressable for closing the switch; whereby light is reflected from said reflector onto and through a translucent sign when such sign is in said grooves while an electric lamp is in said socket, upon depression of said pan.

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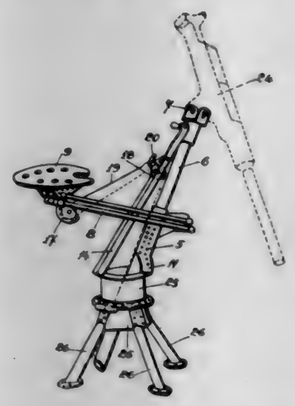
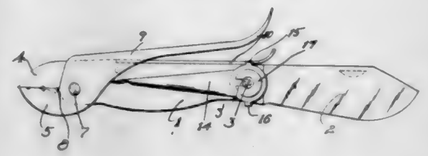
1,561,992. MACHINE-GUN MOUNTING. ETTORE MARAZZI, Milan, Italy. Filed May 26, 1924. Serial No. 716,054. 5 Claims. (Cl. 89—40.)



1. An automatic mounting for machine guns including a movable frame, a machine gun carrier slidable vertically in said frame, a vertically movable seat for the gunner, and means connecting the seat with the carrier for effecting vertical movement of the latter in response to movement of the seat.



1,561,993. COMBINATION TOOL. FREDERIK NIELSEN, Bricceburg, Calif. Filed May 29, 1923. Serial No. 642,195. 2 Claims. (Cl. 7—11.)



1. A combination tool comprising a handle, a tool pivotally mounted thereon, means on the pivot to permit the pivot to be disengaged from the handle for the replacement of the tool, a spring for locking the tool in either the extended or folded-up position, and another tool pivoted to the handle at the opposite end thereof, the latter tool having a handle extending over the spring to aid in releasing the spring when the first tool is to be opened for use.

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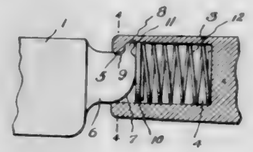
1,561,994. NOVELTY. EDWARD G. PATTERSON, Bismarck, N. Dak. Filed Sept. 24, 1923. Serial No. 664,624. 4 Claims. (Cl. 273—153.)



1. A novelty knife comprising a blade, a handle having detachable connection with the blade and a spring for pressing the blade from the handle when said connection is detached.

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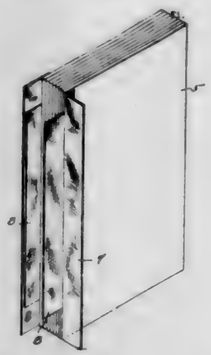
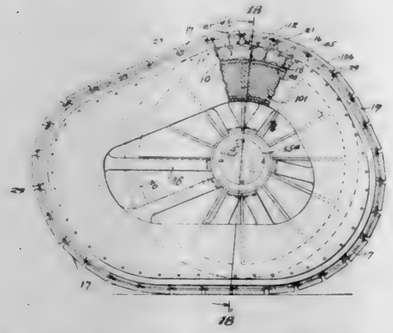
1,561,995. BOOKBINDING. WILLIAM B. PEARSON, Jacksonville, Ill. Filed Aug. 4, 1921. Serial No. 489,762. 1 Claim. (Cl. 281—21.)



The combination with book leaves, of a pair of adjacent strips of different lengths secured to a face of the leaves extending adjacent a longitudinal edge, the longer of the pairs of the adjacent strips extending to the transverse edge thereof and a stiff cover element secured between the strips, the strips contacting the surface of the cover element, one of said strips extending to the opposite ends thereof.

1,561,996. ENDLESS RUNNER FOR MOTOR TRUCKS. ELDIN M. PERRY, Washington, D. C. Filed Mar. 2, 1920. Serial No. 362,641. 7 Claims. (Cl. 305—4.)



5. A runner for motor vehicles comprising an endless chain type runner operatively supported on a grooved track, loose rollers between the track and the runner, and spacing blocks lying loosely between the rollers, said blocks being slidably supported in the groove of the track, and having concave portions in contact with the rail.

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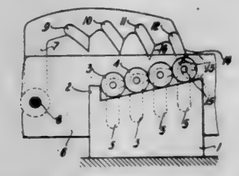
1,561,997. WEIGHING SCALE. FRANZ PEUKER, Vienna, Austria, assignor of one-half to the Firm: C. Schember & Söhne Brückenwaagen- u. Maschinenfabriken A. G., Atzgersdorf, near Vienna, Austria, a Corporation of Austria. Filed July 22, 1924. Serial No. 727,565. 6 Claims. (Cl. 265—48.)



1. A weighing scale comprising a weight supporting frame, a scale pan adapted to receive the weights, and a shifting device operatively connected with the frame adapted to successively transfer the weights from the frame to the scale pan and from the latter to the frame.

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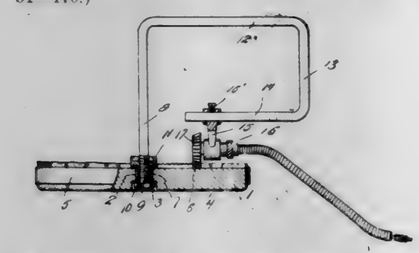
1,561,998. HAND SANDPAPERING AND POLISHING MACHINE. VALCOR G. PRINGLE, Jasper, Tex. Filed Apr. 9, 1924. Serial No. 705,280. 1 Claim. (Cl. 51—170.)



An abrading device of the class described, comprising a disc having a central opening provided therein, an abrading member extending over the bottom face thereof, means for securing the abrading member on said disc, a gear wheel for the upper face of said disc, a handle having one end thereof journaled in said opening, said handle comprising an upwardly extending portion, a lateral extension on the upper end of the upwardly extending portion, said lateral extension terminating into a depending portion, and an inwardly extending arm formed on the lower end of the depending portion, a bracket mounted on said arm, said arm extending parallel with the lateral extension and terminating a distance from the upwardly extending portion, a drive shaft journaled in said bracket, and a cog wheel carried thereby meshing with said gear wheel for rotating said disc and the abrading member mounted thereon.

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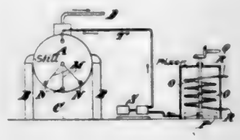
1,561,999. METHOD OF TREATING OILS. PAUL W. PRUTZMAN, Los Angeles, Calif., assignor to General Petroleum Corporation, Los Angeles, Calif., a Corporation of California. Filed Sept. 2, 1922. Serial No. 586,030. 4 Claims. (Cl. 196—147.)



1. The method of purifying and partly decolorizing oil, which consists in mixing with a portion of the oil to be decolorized a powdered porous adsorbent material, allowing the mixture to rest until the air has been displaced from the pores of the adsorbent by the oil intermixed therewith, then heating the remainder of the oil to a temperature above 350° F. and intermixing therewith the above said mixture of oil and adsorbent, to permit the adsorbent to withdraw coloring matter from the oil, and finally separating the spent adsorbent with its contained coloring matter from the decolorized oil by mechanical means.

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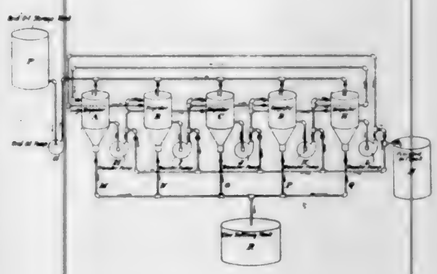
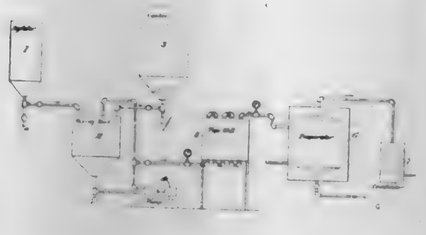
1,562,000. PROCESS FOR REMOVING ACIDS FROM OILS. PAUL W. PRUTZMAN and PAUL D. BARTON, Los Angeles, Calif., assignors to General Petroleum Corporation, Los Angeles, Calif., a Corporation of California. Filed Sept. 2, 1922. Serial No. 586,040. 2 Claims. (Cl. 196—147.)



2. The method of removing acid-tar from acid-treated petroleum oil containing tar, which consists in the agitation with such oil of a powdered adsorbent, which adsorbent has previously expended its adsorptive value in removing impurities from tar-free oils and is charged with said tar-free oil.



1,562,001. METHOD OF TREATING OIL. PAUL W. PRUTZMAN and CARL J. VON BIBRA, Los Angeles, Calif., assignors to General Petroleum Corporation, Los Angeles, Calif., a Corporation of California. Filed Sept. 2, 1922. Serial No. 586,042. 1 Claim. (Cl. 196—147.)



The method of decolorizing oil which consists in preparing a mass of pulverulent solid decolorizing material in the form of an aqueous mud, whereby air is excluded from the pores of the decolorant, mixing such mud with the oil to be decolorized and heating the mixture until the water is driven out of the aqueous mud, whereby the solid decolorizing material is brought into intimate contact with the oil, and finally separating the spent solid decolorant from the decolorized oil.

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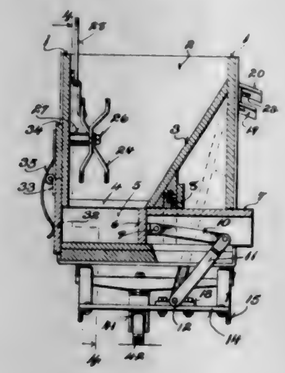
1,562,002. PORTABLE FEED BIN. JOHN G. RIEFF, London, Wis. Filed May 31, 1924. Serial No. 717,131. 8 Claims. (Cl. 221—105.)



1. A portable measuring feed bin comprising a hopper having a measuring chamber located adjacent its lower portion, a reciprocatory plunger mounted within said chamber, a manually operable lever for reciprocating said plunger, and a plurality of independently actuable spring retracted stops for limiting the extent of motion of said plunger.

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1,562,003. METAL WHEEL. CHARLES SCHENCK and LEWIS FINE, Bethlehem, Pa., assignors to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Jan. 3, 1922, Serial No. 526,570. Renewed Apr. 1, 1925. 8 Claims. (Cl. 301—64.)

3. A metal wheel comprising a rim, a hub member and two complementary parts, each part having an uninterrupted portion engaging the periphery of the hub member, spokes extending outwardly from the said uninterrupted portion and merging at their outer ends into a continuous web, a portion of said web forming part of the felloe of the wheel, T-shaped reinforcing

members secured in the web parts forming the felloe and supporting the rim, all of said spokes having concave faces facing toward the inner side of the wheel.

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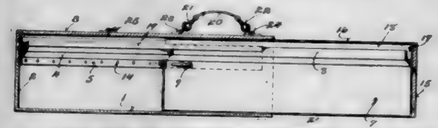
1,562,004. HAND GRIP FOR UNDERTAKERS. JOHN T. SCHEUERELL, Milwaukee, Wis., assignor to Ralph A. Smelser, Milwaukee, Wis. Filed Sept. 25, 1924. Serial No. 739,773. 4 Claims. (Cl. 217—5.)



1. A hand grip for undertakers comprising a main body portion, a top hinged thereto, a handle secured to the top, and an extensible portion having a bottom part telescopically secured in the main body portion and having a top telescopically secured in the top of the main portion.

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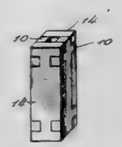
1,562,005. MEANS FOR SUPPORTING FLEXIBLE TUBES IN AN UPRIGHT POSITION. WALTER A. SELTMANN, Passaic, N. J. Filed May 28, 1923. Serial No. 641,822. 2 Claims. (Cl. 221—60.)

1. A tube of the class described fashioned to form a discharge member, a transverse end wall and a tubular supporting member fashioned from the material of the tube by turning the material of the tube backwardly upon itself, said supporting member extending beyond the discharge member of the tube.

1,562,006. EDUCATIONAL BUILDING CONSTRUCTION SET. HERMAN SICHTERMAN, Greensboro, N. C. Filed Feb. 12, 1924. Serial No. 692,277. 18 Claims. (Cl. 46—35.)



4. An educational building construction set comprising a plurality of units of equal thickness, certain of said units being provided with notches the width and depth of which are equal to said thickness, and other of said units being provided with projecting arms the length and width of which is equal to said thickness, whereby said arms are adapted to engage snugly within and fill said notches to hold said units in various interlocked relative positions.

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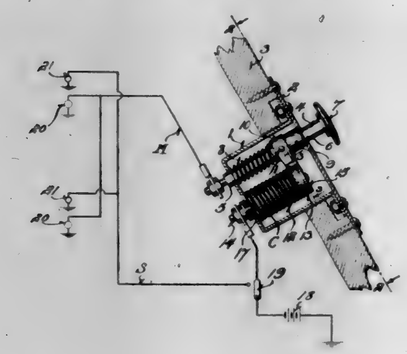
1,562,007. FOOT-CONTROLLED DIMMER. HARRY C. SMITH and PERCY ROBERT COCKCROFT, Milwaukee, Wis. Filed Mar. 1, 1924. Serial No. 696,334. 1 Claim. (Cl. 201—62.)



A foot control dimmer for automobiles comprising a plate adapted to be secured to the automobile, a casing suspended from said plate and secured thereto, a plunger slidably mounted in said plate and casing and having a foot operated knob, a spring urging said plunger upwardly, a pair of spring contact fingers of resilient material carried by said plunger, an insulating pillar secured within said casing, a resistance element wound about said pillar and embraced by said spring contact fingers, said pillar having a contact at its upper end contacting with one end of said resistance element.

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1,562,008. GAME. SIGUARD STEVENSON, Brooklyn, N. Y., assignor of one-third to Mathew Ranieri and one-third to Magnus Youngberg, both of Brooklyn, N. Y. Filed June 14, 1921. Serial No. 477,352. 6 Claims. (Cl. 213—135.)

1. In a game, the combination of a ball, an alley, an incline, a plurality of pockets at the end of said incline the upper ends of which pockets are below the level of said alley, a series of counter-balanced levers having the counterbalanced portion suspended under each of said pockets, a series of rods each carrying an indicating means supported by each of the upper portions of said levers, a head portion encasing said levers and rods having sight openings for each indicating means and into alinement with which openings said indicating means are to be dropped,

manual means for restoring said indicating means to the normal position, and automatic means for returning said ball to the starting point.

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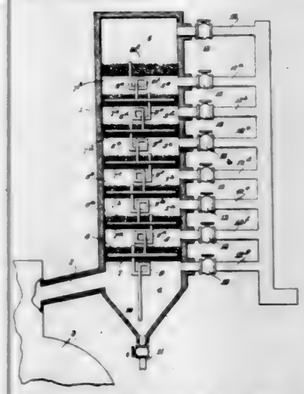
1,562,009. APPARATUS FOR THE FRACTIONATION OF PETROLEUM. HENRY P. STRAUS, New York, N. Y. Filed June 19, 1920. Serial No. 390,053. 11 Claims. (Cl. 196—139.)



1. In a fractioning apparatus, a closed chamber, a plurality of spaced, perforated plates therein dividing said chamber into a plurality of compartments, a layer of contact material on each of said plates and means for maintaining condensate at a substantial, predetermined height above said plates.

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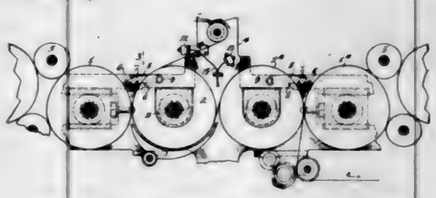
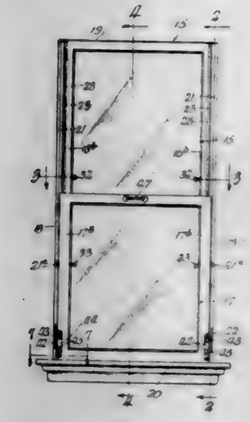
1,562,010. GUARD FOR PRINTING CYLINDERS AND THE LIKE. HERMAN STUKE, Hollis, N. Y., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 28, 1922. Serial No. 547,396. 7 Claims. (Cl. 192—133.)



1. The combination with a pair of rolls, of a pivotally mounted guard normally extending across and between the rolls, said guard including a plate having oppositely disposed faces lying closely adjacent the peripheries of the rolls.



1,562,011. WINDOW CONSTRUCTION. JOSEPH SYLVAN, Cicero, Ill. Filed May 5, 1922. Serial No. 558,595. 7 Claims. (Cl. 20—49.)



1. In combination with a window frame and a sash which is capable of either a vertical sliding movement or an inward swinging movement about a horizontal axis with respect to said frame, means providing a sliding guiding bearing for the sash in the frame, and coacting hook members on the sash and frame respectively adapted for engagement with each other when the sash has been swung inwardly to lock said sash against vertical movement with respect to the frame.

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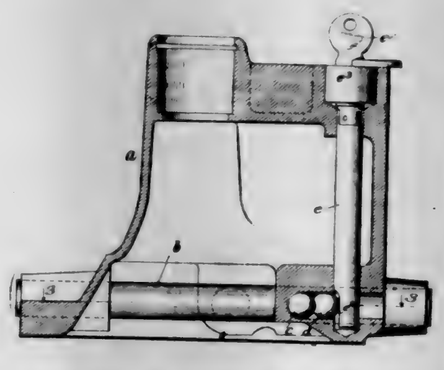
1,562,012. GEAR LOCK FOR AUTOMOBILES. CHARLES G. TROSIEN, Pontiac, Mich. Filed Oct. 25, 1923. Serial No. 670,801. 4 Claims. (Cl. 70—126.)



3. In a change speed gearing having a casing and two shifting rods reciprocating in bearings in said casing, a horizontal transverse passage extending between said rods, two loose reciprocating parts in said passage adapted to engage said rods, a horizontal longitudinal passage, a loose part adapted to reciprocate in the last named passage and a cam adapted to actuate the part in the longitudinal passage to project the same into said transverse passage and cause the parts in the latter to engage said rods.

1,562,013. HINGED HALF SOLE. HELIAS P. TSELENTIS, Chicago, Ill. Filed Feb. 21, 1925. Serial No. 10,766. 2 Claims. (Cl. 36—25.)

1. A pair of half-soles formed from adjacent portions of the same material and connected by an integral hinge of less thickness formed by cutting part way through said material and folded together on said hinge.

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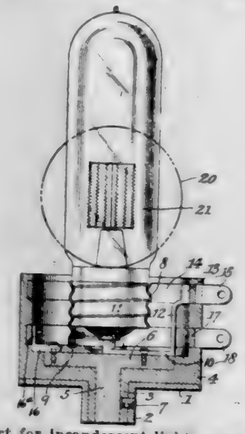
1,562,014. LAMP SUPPORT. THEODORE F. UHLEMANN, Glen Morris, N. Y., assignor to Nicholas Power Company, Inc., New York, N. Y., a Corporation of Delaware. Filed July 2, 1920, Serial No. 393,603. Renewed Apr. 11, 1925. 4 Claims. (Cl. 240—44.)



1. A support for incandescent lights comprising a fixed part, a turntable supported thereon for rotary adjustment, a receptacle for the light bulb supported on said turntable at the center of the receptacle in alinement with the axis of the turntable, a contact supported on said turntable in position to be engaged by one terminal of the lamp bulb and electrically insulated from the said receptacle, an electrical conductor connected to said receptacle, fixed conductors mounted on said fixed part, and wiping contacts between the conductors on said turntable and said fixed conductors.

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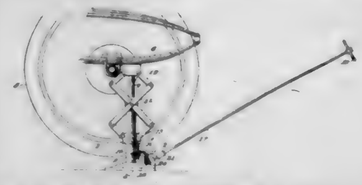
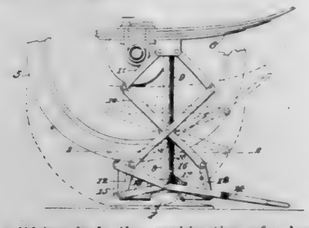
1,562,015. LIFTING JACK. STANLEY J. VESELY, Cedar Rapids, Iowa. Filed Jan. 25, 1924. Serial No. 688,401. 3 Claims. (Cl. 254—122.)



1. In a lifting jack, the combination of a base, a standard rising therefrom, a post slidable in the standard, a collar slidable on the standard, a toggle connecting

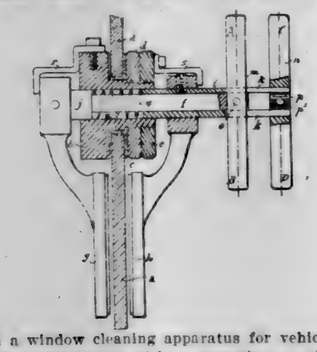
hingedly with the post, standard and collar, a winch mounted on the base, and a cable connecting the winch and collar.

1,562,016. VEHICLE JACK. STANLEY J. VESELY, Cedar Rapids, Iowa. Filed Jan. 25, 1924. Serial No. 688,402. 2 Claims. (Cl. 254—122.)



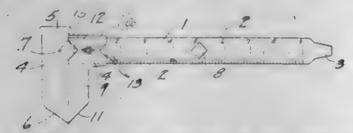
1. In a lifting jack, the combination of a base, a tubular standard rising therefrom, a post slidable in said standard, toggle levers connecting the standard and post, and an auxiliary toggle connecting said toggle levers with the base, a collar slidable on the standard, a link connecting the collar with the auxiliary toggle, a hand-lever connecting with the collar, and a link connecting the lever with the base.

1,562,017. APPARATUS FOR CLEANING WINDOWS. HANS VON LITTROW, Chemnitz, Germany. Filed May 24, 1924. Serial No. 715,608. 2 Claims. (Cl. 15—252.)



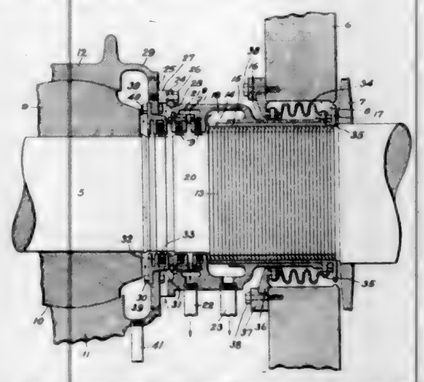
1. In a window cleaning apparatus for vehicles of any kind, the combination with a mounting, a plurality of wiper-carriers on said mounting adapted to clean the outer and inner surfaces of a window pane, of a central axle carrying the outer wiper, a sleeve surrounding said axle and carrying the inner wiper, a yielding means interposed between the wiper-carriers for normally holding the wiper-carriers a distance from the window pane, a plurality of stops on said mounting for cooperating with said yielding means for limiting the outward movement of the wiper-carriers, and means for separately moving the wiper-carriers into contact with the surfaces of the pane.

1,562,018. COMBINATION WRENCH. ROBERT WARFF, San Francisco, Calif. Filed Feb. 20, 1924. Serial No. 693,971. 1 Claim. (Cl. 7—7.)



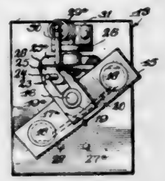
In a device of the kind described, a flat, rule-like main shank having nut-engaging apertures formed therein; a sliding jaw and shank mounted upon the main shank, the shank of the sliding jaw having notches formed therein adapted to register with the nut-engaging apertures of the main shank; and means for locking the sliding jaw in any set position upon the main shank.

1,562,019. SHAFT PACKING FOR ELASTIC-FLUID TURBINES AND THE LIKE. JAMES WILKINSON, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Sept. 5, 1922. Serial No. 586,097. 3 Claims. (Cl. 286—10.)



1. The combination with an elastic fluid turbine having a casing and a shaft projecting through an opening in said casing, of a concentric packing means for the shaft which extends exteriorly of the casing from a point adjacent the inner end of said opening, said means comprising a sleeve surrounding the shaft and lying in part within the opening, a flange at the inner end of the sleeve which forms substantially a closure for the opening, a concentric carrying sleeve which surrounds and supports the packing sleeve, the inner end of said carrying sleeve extending into abutting engagement with the flange, an adjacent stationary turbine part other than the casing, a ring adjacent the outer end of the carrying sleeve forming a rigid connection between the carrying sleeve and said adjacent stationary turbine part, said ring and part being spaced to provide passages between them, an annular chamber for which the ring forms a wall, and a corrugated flexible concentric ring surrounding the carrying sleeve and lying wholly within the opening in the casing, said last-named ring being connected at its outer end with the casing about the outer end of the opening and at its inner end with the inner end of the carrying sleeve.

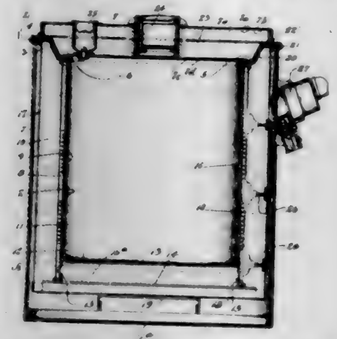
1,562,020. ELECTRIC SWITCH. WARD G. WILLIAMS, Brandon, Wis. Filed May 8, 1925. Serial No. 28,781. 5 Claims. (Cl. 200—33.)



1. A switch comprising a base, a pin constituting one terminal of said switch, a block pivotally mounted on said pin, a contact fixed to said block and electrically connected to said pin, said contact having tines spaced at equal distances at either side of said pin, the block, being provided with like pockets spaced at equal distances at either side of said pin and connected by a restricted passageway on their bottom sides, a body of mercury adapted to be interchanged between said pockets through said passageway, means providing for a relative displacement of air in said pockets to permit said interchange, and means connected to the other terminal and including a contact point engageable between the tines of said contact plate for bringing said block to either of two primary positions inclined in opposite directions.

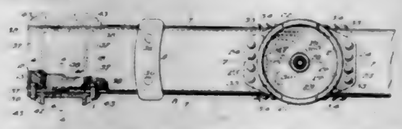


1,562,021. ELECTRIC COOKER. HENRY A. ZIOLA, Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a Corporation. Filed Mar. 28, 1925. Serial No. 19,024. 11 Claims. (Cl. 219—36.)



5. In a cooker of the class described, in combination, outer casing, a cooking well disposed therein, and spaced therefrom, thermal insulation between the two, a cover for the well and a heating unit between the outer casing and the well, and comprising a metal body reinforcing the well and heating body of composition having resistance wire embedded therein carried by the metal body, and disposed in contact with the outer surface of the well, said well being removable from the casing and from within the heating unit, and said heating unit being likewise removable from the outer casing.

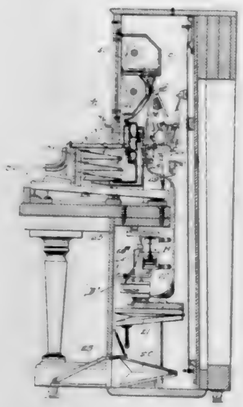
1,562,022. BOLSTER. GUSTAF ARVID ANDERSON, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed June 7, 1922. Serial No. 566,614. 29 Claims. (Cl. 105—226.)



1. A bolster involving a beam member formed from a single sheet of metal and comprising spaced side walls united at their upper and lower edges, certain of said corresponding edges being integrally united by a portion of said sheet and other of said edges being united through flanges forming a portion of said sheet and extending toward each other, the said flanges being of a form affording openings permitting access to the space between said side walls, and said flanges being united at the ends of said openings.

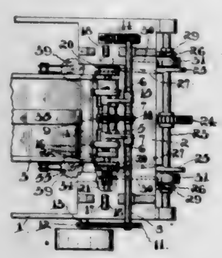
1,562,023. MECHANISM FOR REGULATING THE EXPRESSION IN APPARATUS FOR PLAYING MUSICAL INSTRUMENTS. OSCAR H. ANDERSON, Grand Haven, Mich., assignor to Story & Clark Piano Co., Grand Haven, Mich., a Corporation of Illinois. Filed Apr. 21, 1922. Serial No. 555,840. 10 Claims. (Cl. 84—41.)

1. In a device of the character described, a wind-chest, and means for controlling the degree of vacuum in the wind-chest, said means including a bellows, an exhausting mechanism, a communication between said bellows and exhausting mechanism, a series of valve controlled



ports of different sizes in said communication between said bellows and exhausting mechanism, and an adjustable stop pneumatic controlled by the degree of vacuum in the wind-chest for limiting the movement of said bellows.

1,562,024. MAGAZINE-WRAPPING MACHINE. DANIEL S. BAIRD, Hamilton, Ontario, Canada. Filed Jan. 24, 1924. Serial No. 688,319. 22 Claims. (Cl. 271—39.)



6. Magazine feeding mechanism comprising a feeding trough for the magazines; feed rollers at the top of the forward end of the trough adapted to feed substantially horizontally, the upper roller being vertically movable; adjustable means for limiting the movement of the upper roll towards the lower; and means for lifting the magazines one-by-one to be gripped by the feed rollers.

1,562,025. GAME APPARATUS. THOMAS A. KILLMAN, Nashville, Tenn. Filed Aug. 10, 1925. Serial No. 49,405. 3 Claims. (Cl. 273—13.)

1. A game apparatus comprising a board having a plurality of fields spaced one from the other and each divided by intersecting lines along which pieces are adapted to be moved from one "cross or intersection to the next adjacent "cross", a plurality of lines of each field extending into the next adjacent field

and intersecting each other at a point in the space between said fields to form a single "cross" or intersection in said space, a series of pieces adapted to be

moved along any of said lines from one field to another, and a single piece adapted to prevent said movement of pieces from one field to another.

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1,562,026. CARBIDE LAMP. CHARLES KARL KOVALCHIK, Bradley, Ohio. Filed Apr. 15, 1925. Serial No. 23,210. 3 Claims. (Cl. 48—4.)

2. In a carbide lamp, a lamp body constituting a water reservoir, a plurality of flexible gripping fingers depending below the lower end of the said body and respectively terminating in an eye, a carbide-container having a retaining rim adapted to be engaged by the said gripping fingers, a spring loop encircling the said gripping fingers and being supported in the eye of each finger, and means for expanding and contracting the said loop.

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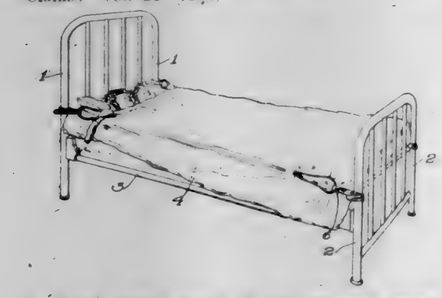
1,562,027. SAFETY BEDCLOTHES HOLDER. EDWIN C. LAIRD, Richmond, Va. Filed Feb. 11, 1922. Serial No. 535,719. Renewed Apr. 14, 1925. 2 Claims. (Cl. 24—72.5.)



1. A bed clothes holder of the character described, comprising a round metallic member of sufficient dimensions to receive a roll of bed-clothing and formed with horizontal outer ends welded together, an integral depending portion at each end of the horizontal portion, an integral divergent portion extending from each depending portion and convergent from said divergent portion to its inner end, a resilient band fixedly secured to said horizontal end, and means for adjustably securing said member to a bed post.

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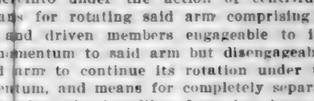
1,562,028. HEAD AND VALVE CONSTRUCTION FOR INTERNAL-COMBUSTION ENGINES. GLENN D. LANHAM, Bay City, Mich. Filed Dec. 7, 1922. Serial No. 605,493. 2 Claims. (Cl. 123—177.)



1. In a device of the class described, a cored detachable head located above the cylinders and having intake and exhaust ports above the center thereof, a hollow cylindrical rotary valve mounted therein, ribs on said valve and grooves in the head adapted to cooperate therewith, angular passages in the valve in spaced relation, said passages being formed to act as impellers to force water or other liquid therethrough, each passage registering with the intake port in one position and registering with the exhaust port in another position, and a connection between the interior of the head and the valve for forcing a cooling agent therethrough.

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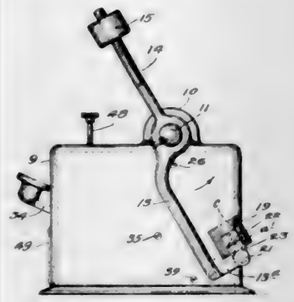
1,562,029. CASTING APPARATUS. CHARLES E. LARSON and MERRILL G. SWENSON, Minneapolis, Minn. Filed Jan. 29, 1923. Serial No. 615,584. 14 Claims. (Cl. 22—65.)



1. In a casting apparatus, a rotatable arm, a mold and a fusing cavity carried by said arm, the latter being radially inward of said mold and arranged to deliver thereinto under the action of centrifugal force, and means for rotating said arm comprising separable driving and driven members engageable to impart rotative momentum to said arm but disengageable to permit said arm to continue its rotation under the action of momentum, and means for completely separating said members when the impelling force has been exerted.

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1,562,030. GOLF BAG. JOHN HENRY LAWRENCE, London, England. Filed Jan. 15, 1925. Serial No. 2,616. 6 Claims. (Cl. 150—15.)

1. A golf bag comprising in part an elongated flexible pocket provided with a stiffened indeformable mouth in combination with a detachable hood adapted to envelop the heads of the clubs projecting from the open mouth



of the pocket, the said hood having its opening provided with a substantially rigid inextensible edge approximating in circumference to the indeformable mouth

of the pocket and having means for securing the substantially rigid inextensible edge of the hood to the indeformable mouth of the flexible pocket, as set forth.

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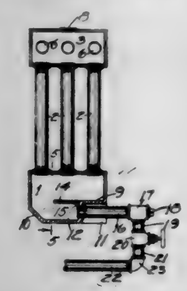
1,562,031. FURNACE-MOUTH LINING FOR BOILERS. WILLIAM H. LAWRENCE, Westfield, Mass., assignor, by mesne assignments, of one-half to Ethel L. Lawrence, Westfield, Mass. Filed Apr. 10, 1923. Serial No. 631,052. 1 Claim. (Cl. 122—6.5.)



In a furnace-mouth lining for boilers, a hollow base having a flat unbroken supporting bottom, openings in the top, and an overhanging front part, the lower portion of the rear wall extending straight downwardly and then forwardly to meet the back edge of said supporting bottom, and said base also having a wall between the front edge of said bottom and the bottom of said overhanging part, in which last-named wall is a blow-off opening, said bottom of said overhanging part being extended rearwardly to assist in forming a sediment pocket below, with an entrance between said rear wall and the rear edge of such extension, the top and bottom of said sediment pocket being parallel, also the sides of said pocket, and the front of the pocket being vertical and the back inclined upwardly and rearwardly.

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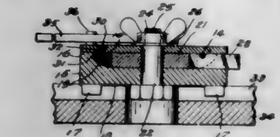
1,562,032. MOLD FOR METALLIC PACKING. WALTER F. LOHMAN, Seattle, Wash. Filed June 1, 1925. Serial No. 33,989. 5 Claims. (Cl. 22—150.)



1. In a mold, a body having a circular recess therein, a core provided within said recess, a means engaging the core for positioning the same centrally of the recess, a cover for the body rotatably mounted upon said core positioning means, said cover having gates therein which communicate with said recess, cutting means provided at the under surface of the cover, and means to rotate the cover for actuating said cutting means to separate the sprues within the receptacle gates from the casting within the mold recess.

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1,562,033. PISTON RING. STANLEY A. LUKASZEWICZ, South Milwaukee, Wis., assignor of one-half to Steven S. Lukaszewicz, Milwaukee, Wis. Filed Aug. 18, 1922. Serial No. 582,628. 1 Claim. (Cl. 74—109.)

A piston having therein an annular groove adapted to receive therein packing, both side walls of said groove being partly inclined outwardly with respect to each other and the remaining portion of each wall being perpendicular to the base of the groove, a pair of split contractible rings positioned within said groove and coacting with the inclined portions of the side walls and provided with adjacent inclined faces which are of a greater angle than the first said inclined faces, and a split expansion ring arranged within the base portion of the groove and having its outer face provided with converging inclined faces adapted to coact with the adjacent faces of the contractible rings for forcing said rings upwardly of said inclined walls and outwardly in contact with the cylinder wall.

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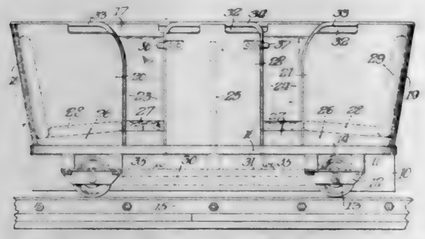
1,562,034. IMPLEMENT FOR HANDLING BALED MATERIAL. HENRY F. MIEHER, Carlinville, Ill. Filed Mar. 19, 1925. Serial No. 17,877. 1 Claim. (Cl. 294—26.)

An implement for handling and stacking baled hay or the like, comprising in an integral structure, a staff; a handle at one end of the staff; an upwardly extended and outwardly curved pointed hook; and an arm in the same plane with the staff and the hook and having an offset upwardly extending tapered terminal member adapted for easy insertion under the usual bale-tie, and also adapted to prevent slipping of the load carried on the arm; and also adapted for easy withdrawal of the arm from the edge of the carried bale.

1,562,035. PLEASURE-RAILWAY CAR, JOHN A. MILLER, Homewood, Ill. Filed Dec. 11, 1924. Serial No. 755,134. 8 Claims. (Cl. 105—345.)



1. In a pleasure railway car, the combination of a substructure, supporting wheels thereon, a car body on said substructure comprising side and end enclosing walls, a transverse seat along each end wall and a longitudinal seat along one side wall of said body, the other side wall having passageway for passengers.

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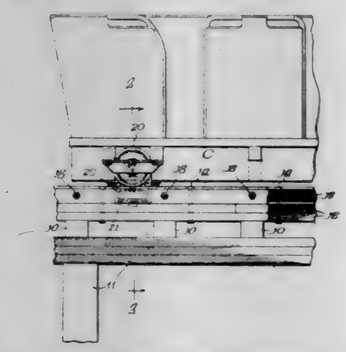
1,562,036. PLEASURE-RAILWAY STRUCTURE. JOHN A. MILLER, Homewood, Ill. Filed May 23, 1925. Serial No. 32,256. 7 Claims. (Cl. 238—24.)



1. In a pleasure railway track construction, the combination of stringers, and rail structures on said stringers comprising angle bars and flat bars, said angle bars engaging with their backs and bottoms against said stringers, and said flat bars seating on top of said stringers and angle bars and overhanging the angle bar bases.

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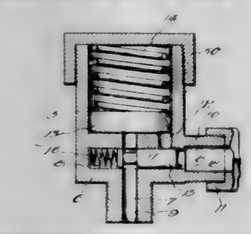
1,562,037. MEANS FOR DISTRIBUTING MEASURED QUANTITIES OF MATERIAL FROM A MASS IN BULK. GEORGE L. MOORE, Chicago, Ill. Filed May 29, 1922. Serial No. 564,305. 2 Claims. (Cl. 184—7.)



1. In combination a member having a measuring chamber, an outlet from said chamber, an inlet passage communicating at the inner end with said chamber; a spring pressed piston in said chamber normally tending to close communication between the outlet and the inlet passage; a conduit connected to the outer end of said passage; means for forcing a lubricant under pressure through said conduit towards said passage and subsequently relieving the pressure and leaving the lubricant in the conduit free to be pushed backward in the same; and means associated with said member, including a spring pressed part exposed to pressure in said passage, for closing the outlet when the lubricant enters said passage and opening the communication between the passage and said chamber and subsequently, when the pressure is increased, causing the piston to open the communication between the outlet and the inlet passage to the chamber and, when the pressure is relieved, causing the lubricant to be forced back out of said passage into the conduit and the outlet to be opened and communication between said passage and the chamber to be closed.

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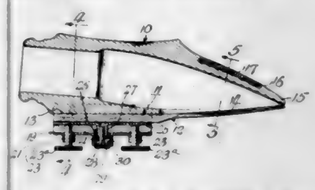
1,562,038. MOUTHPIECE FOR SAXOPHONES. JULIUS J. NEUMANN, Chicago, Ill. Filed July 14, 1922. Serial No. 574,950. 1 Claim. (Cl. 84—383.)



A reed clamp for a musical instrument, comprising in combination with a tubular mouthpiece body provided with a lay surface for a reed, a channel shaped housing member mounted on the body and enclosing the flattened rear end part of said lay surface which provides a base for the butt end of the reed, said housing member including a back wall spaced from said lay surface, a clamping plate in said housing member for engaging the butt end of said reed to hold the same against said base means carried by said back wall of the housing member for applying pressure to the clamping plate at a plurality of points along its median line, and coacting means on said back wall and on said clamping plate for withdrawing said clamping plate from the butt end of the reed when the pressure applying means has been released.

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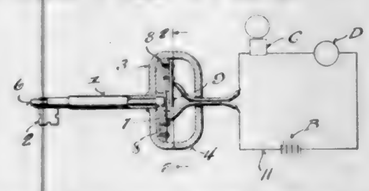
1,562,039. BURGLAR ALARM. JOHN NOWAKOWSKI, Milwaukee, Wis., assignor of one-half to Steve Lukaszewicz, Milwaukee, Wis. Filed Oct. 9, 1923. Serial No. 667,464. 1 Claim. (Cl. 200—55.)



A device of the class described comprising a door key having a hollow shank, a lock operating projection at one end of said shank, an oval shaped handle at the other end of said shank and having an opening concentric with the opening in said shank, said handle being formed of two cup-shaped parts, the inner of said parts being rigid with said shank, the outer of said parts being detachable and provided with a centrally located opening, screws securing the outer part to said inner part, a plunger slidably mounted within said shank and having an end projecting from the outer end of said shank



and having an enlarged head at its rear end positioned within the inner part of said handle, an insulating block secured within the inner part of said handle and having an opening surrounding the enlarged head of said shank, a contact spring carried by said block and bearing against the end of said head, a second contact spring secured to said block and located behind said first mentioned spring, and conductors connected to said spring and passing through the aperture in the outer portion of said handle.

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1,562,040. HALF SOLE. CLIFFORD H. OAKLEY, Trenton, N. J. Filed May 21, 1921. Serial No. 471,473. 1 Claim. (Cl. 36—32.)

As an article of manufacture, tap sole material comprising a strip of molded composition, each longitudinal edge being curved and bevelled and having a strip of fabric embedded therein on the inner face of the curved portion substantially as described.

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1,562,041. METAL AND ITS MANUFACTURE. ALADAR PACZ, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Sept. 26, 1918, Serial No. 255,790. Renewed Apr. 7, 1925. 12 Claims. (Cl. 75—17.)

1. The method of reducing one or more metals from compounds thereof which consists in briquetting said compounds intimately mixed with finely divided aluminum above 80 mesh, and igniting one or more of the briquettes.

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1,562,042. PROCESS OF PREPARING BORON-IRON ALLOYS. ALADAR PACZ, Cleveland Heights, Ohio, assignor to General Electric Company, a Corporation of New York. Filed May 3, 1919, Serial No. 294,456. Renewed Apr. 7, 1925. 6 Claims. (Cl. 75—1.)

1. The process of making an alloy containing boron which consists in briquetting a boron compound with a compound of another metal and finely divided aluminum, and igniting the briquette to cause the said materials to react.

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1,562,043. IRON-BORON ALLOY. ALADAR PACZ, East Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Mar. 7, 1922. Serial No. 541,837. 5 Claims. (Cl. 75—1.)

1. A casting, consisting predominantly of iron with from three-fourths to four per cent of boron, and having a tensile strength upwards of fifty thousand pounds per square inch.

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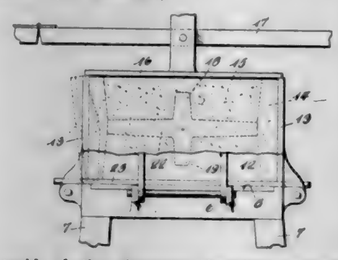
1,562,044. CONCRETE-BLOCK MOLD. WILLIAM H. PATTERSON, Cuyahoga Falls, Ohio, assignor of one-half to William O'Connor, Cuyahoga Falls, Ohio. Filed Apr. 9, 1924, Serial No. 705,243. Renewed June 11, 1925. 2 Claims. (Cl. 25—121.)



1. A mold of the character described comprising a base a separable vertical face plate arranged at one side of the base, side and end walls hinged to the base, ingots formed upon the inner faces of the end walls, an upstanding ingot removably arranged upon the base and having a central transverse recess, an ingot disposed above the upstanding ingot and having a central transverse recess to co-act with the first recess to form a vertical web in a block and said ingots being vertically spaced whereby to form a horizontal web in a block.

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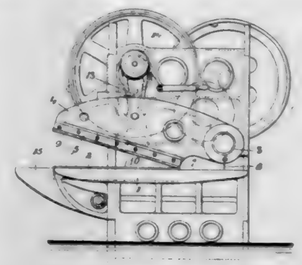
1,562,045. RECIPROCATING SHEARING MACHINE. HENRY PELS, Berlin-Charlottenburg, Germany. Filed July 7, 1924. Serial No. 724,709. 1 Claim. (Cl. 164—44.)



In a pivoted shearing machine, the combination of a machine frame having a U-shaped mouth and having an upper and a lower arm, a lower holder fixedly attached to the lower arm of said frame, a pivot pin fixed on said upper arm and projecting over the outer face of the machine frame and standing at a suitable distance above said lower holder, an upper holder pivotably mounted on said pivot pin both holders projecting over the machine frame, and knives fixed on the holders so that their ends project also over the machine frame.

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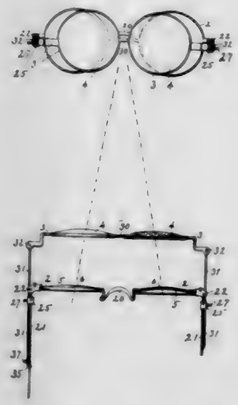
1,562,046. OPTICAL INSTRUMENT. ARTHUR PERRIN, Brookline, Mass. Filed Jan. 4, 1924. Serial No. 684,424. 4 Claims. (Cl. 88—41.)



1. An optical instrument comprising front and rear spectacle frames containing objective and eye-piece lenses respectively, said frames each having bows hinged thereto, and the bows of the respective frames being connected by guides which accommodate a relative sliding movement by which the objectives may be moved towards and from the eye-pieces, said eye-piece lenses having near their central portion a concave or negative lens, and the objective lenses being convex and of large magnifying power, the optical centres of the objective lenses

being at substantially less distance apart than the optical centres of the eye-piece lenses whereby the lines of vision through the said eye-piece and objective lenses converge at an acute angle.

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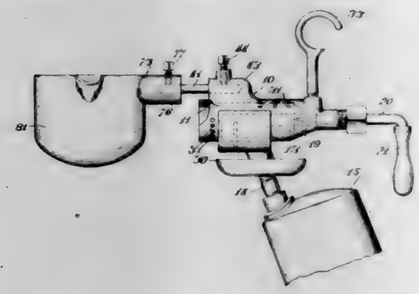
1,562,047. TORCH-SUPPORTED LADLE. JOHN PETERSON, Maywood, Ill., assignor to Combination Blow Torch Manufacturing Company, Melrose Park, Ill., a Corporation of Illinois. Original application filed June 24, 1921. Serial No. 480,017. Divided and this application filed Feb. 8, 1924. Serial No. 691,372. 2 Claims. (Cl. 126—240.)



1. The combination with a torch having a combustion chamber provided with an outlet through which the heating flame is adapted to pass, of a ladle having a bowl provided with an exteriorly rounded bottom and lower portion, a bifurcated supporting arm pivotally secured at its forward bifurcated end to opposite portions of said bowl near its upper edge and connected at its rear end to said torch at a point above said outlet, whereby the bowl will remain upright and in various positions of the arm and torch and the emitted flame will play constantly in all said positions upon the rounded lower portion of said bowl.

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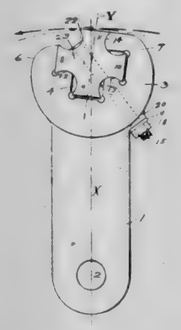
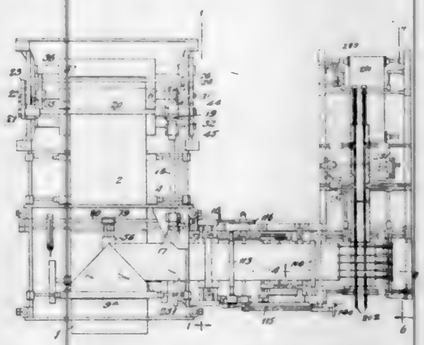
1,562,048. ROTARY PIVOTED HAMMER. HAROLD M. PLAISTED, St. Louis, Mo. Filed Feb. 23, 1923. Serial No. 620,676. 8 Claims. (Cl. 83—11.)



1. A rotary pivoted hammer comprising a shank adapted for pivotal mounting and having a solid head with a recess having three bearing portions, a cutter block adjustably mounted in said recess and having eight operative edges,—said head being adapted to protect from wear all edges except the one in operative position, and said block having eight bearing surfaces, three of which engage said bearing portions of the recess in each adjustment of the block,—and means detachably securing said block in said recess.

1,562,049. BAG-MAKING MACHINE. ROBERT H. PLASS, Upper Montclair, N. J., assignor, by mesne assignments, to Bemis Bro. Bag Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 4, 1920. Serial No. 401,103. 23 Claims. (Cl. 112—10.)



21. In a bag making machine having a sewing mechanism, and means for feeding a series of bag sections through the sewing mechanism and thereafter severing the connecting threads, the combination with said above recited elements of a delivery belt upon which the separated bags may be deposited of a length several times greater than that of any one of the bags delivered to it and means for intermittently feeding said belt, along the line of the sewing machine feed, at intervals of time sufficient for the accumulation thereon between movements of a predetermined number of bags, whereby a series of piles each containing a predetermined number of bags may be formed on said belt.

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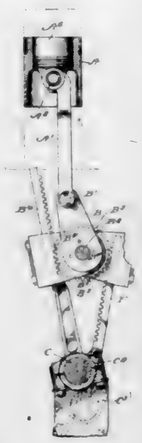
1,562,050. TRANSMISSION FOR ENGINES. ALVAH L. POWELL, Miles City, Mont., assignor, by mesne assignments, to The A. L. Powell Power Company, Inc., Miles City, Mont., a Corporation of Montana. Filed Dec. 8, 1920. Serial No. 429,169. 7 Claims. (Cl. 74—14.)



1. In an engine of the class described, a cylinder, a reciprocating piston therein having a bore extending longitudinally therethru, an inner piston slidable within said bore, a rod member attached to each of said pistons, a crankshaft, a reciprocating crankshaft, operating



members and gearing interposed between the rod members and the crankshaft operating members, whereby the stroke of the piston is greater than the diameter of the crank circle.

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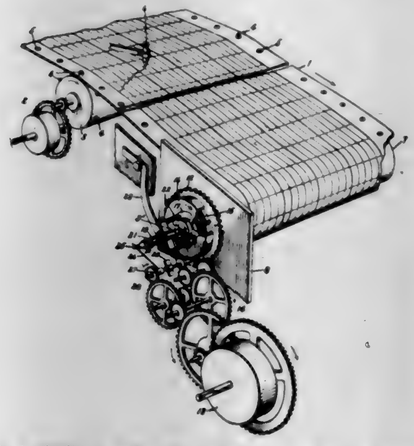
1,562,051. CONSTANT-TORQUE WINDING MECHANISM. JESSE J. POWERS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 23, 1922. Serial No. 570,366. 6 Claims. (Cl. 185—40.)



1. A shaft, a spring for driving said shaft, a torque motor for winding said spring and means for starting and stopping said motor comprising a cam mechanism having its relatively movable cooperating parts moved by said motor and said shaft respectively and a locking device for said motor moved in response to the relative position of said cam parts.

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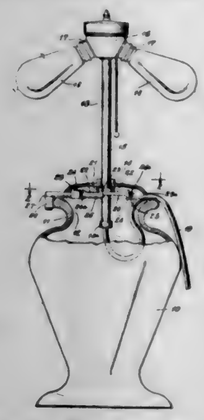
1,562,052. ELECTRIC-LIGHT LAMP FITTING. WILLIAM E. PRICE, White Plains, N. Y. Filed July 9, 1924. Serial No. 725,046. 5 Claims. (Cl. 240—52.)



1. In combination with a lamp base and an electric light outlet fitting having a supporting tube, of a device for rigidly mounting the fitting on the base in aligned relation, said device comprising a spider member mounted on said tube said spider having three short arms radially extending from said tube, a channelled clamping member formed at the outer ends of each arm, rods disposed in angular relation with and slidingly supported by each member, claws formed integral with the outer ends of said rods and a yieldable frictionally engaging surface provided on said claws for engaging the walls of said base, said rods being arranged to move in lines which enclose an equilateral triangle.

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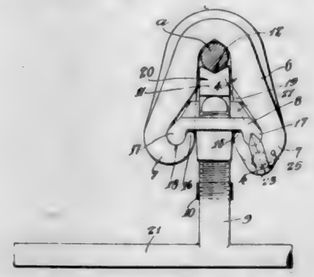
1,562,053. GRIP. JAMES P. RATIGAN, Walnut Park, Calif. Filed Feb. 16, 1925. Serial No. 9,508. 11 Claims. (Cl. 24—135.)



1. A grip comprising a body formed in sections, one section being channeled and the other section forming a wall for the open side of the channel and being movably secured to the first mentioned section, a screw threaded through one of the sections and projecting into the channel, and cooperating parts between the sections tending to pull the side walls of the channeled member toward each other when the screw is tightened.

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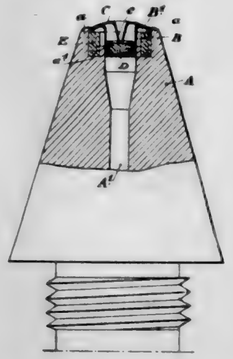
1,562,054. FUSE FOR PROJECTILES. LÉON EMILE RÉMONDY, Ruell, France. Filed Apr. 6, 1925. Serial No. 21,136. 13 Claims. (Cl. 102—39.)



13. A fuse for projectiles comprising a fuse body having a duct leading to the interior thereof, an annular shoulder formed adjacent the outer end of the said duct, a carriage movably mounted in the duct, said carriage comprising a cylindrical body portion and an enlarged dome-shaped head, means interposed between the said enlarged head and the annular shoulder to yieldingly resist inward movement of the carriage, an annular flange formed adjacent the mouth of the duct to limit outward movement of the carriage, a striker formed centrally of and projecting inward from the enlarged head, and a detonator within the cylindrical body portion of the carriage in unrestricted communication with the said striker.

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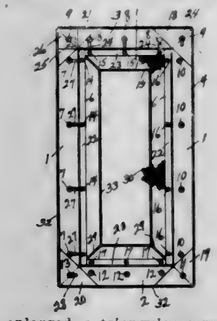
1,562,055. ADJUSTABLE SCREEN DOOR. GROVER E. RICHARDS, Youngstown, Ohio. Filed Apr. 24, 1924. Serial No. 708,690. 1 Claim. (Cl. 156—14.)

In a device of the class described, a screen support frame, a side member and an end member of said frame

detachable, a side member and an end member attached to said support frame in a detachable and slidable manner, triangular corner pieces detachably arranged in each corner, two triangular corner pieces provided with a slot for adjustment of frame and to cover open corners



when frame is enlarged, a triangular corner piece formed with a squared opening, means for securing wire mesh to the interior portion of said frame, an inner rectangular frame with corner arms to support said inner rectangular frame, substantially as described for the purpose set forth.

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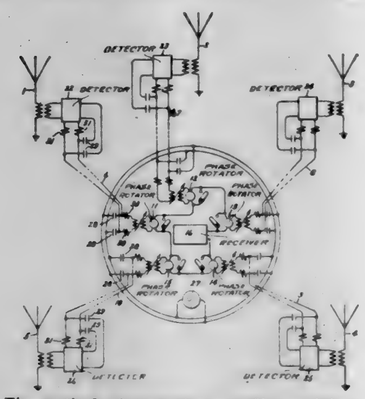
1,562,056. RADIO RECEIVING SYSTEM. CHESTER W. RICE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 21, 1921. Serial No. 463,102. 14 Claims. (Cl. 250—20.)




1. The method of operating a radio receiving system comprising a plurality of widely separated receiving antennæ and local detectors connected by transmission lines to a central receiving station which consists in transmitting over the transmission lines from the central receiving station to each local detector radio frequency currents, producing by means of the currents thus transmitted audio frequency currents, transmitting the audio frequency currents thus produced to the receiving station, selectively impressing upon the receiving apparatus the audio frequency currents thus transmitted, and selecting for the desired reception of signals the currents having the most favorable stray ratio.

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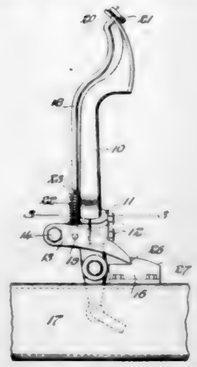
1,562,057. CLUTCH-PEDAL LOCK. BURR S. ROGERS, Lindsey, Ohio, assignor of one-sixth to Edgar Rogers, one-sixth to Floyd Rogers, one-eighth to C. L. Bloker, one-eighth to R. E. Bloker, one-eighth to D. H. Overmyer, and one-eighth to Fred C. Magsig, all of Lindsey, Ohio. Filed Mar. 30, 1925. Serial No. 19,506. 3 Claims. (Cl. 74—81.)

1. In combination with a clutch pedal of an automobile, a bracket secured to said pedal, a pawl pivoted to said bracket, a stop member with which said pawl is adapted for engagement to prevent swinging movement of the clutch pedal in one direction, and a rod



for operating said pawl into and out of engagement with said stop member, said rod being slidable within a recess in said bracket and being retained within said recess by said pawl.

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1,562,058. CUFF FASTENER. VICTOR H. SALZI, Richmond Hill, N. Y. Filed Mar. 13, 1925. Serial No. 15,225. 4 Claims. (Cl. 24—102.)

1. A clasp of the character described comprising pivoted arms, one of which is formed with an opening therein, a stud on the other arm and insertable through the opening, said stud having a post and a rounded head and a shoulder between said post and head, a spring member supported on one face of the arm having the opening and arranged to extend across the opening to engage the shoulder of said stud, and flange members extending from the wall of the opening and bent to engage the spring for holding the same in place.

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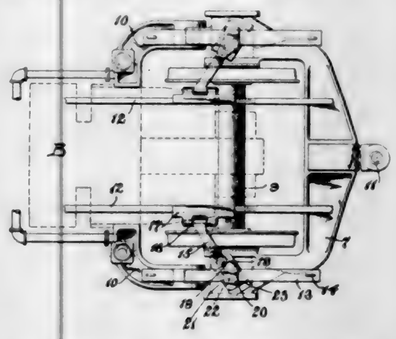
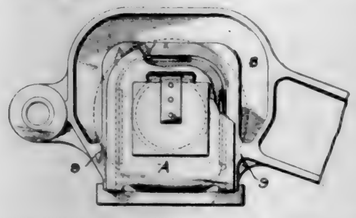
1,562,059. RAILWAY-TRUCK SPRING SUPPORT. EUGENE L. SCHELLENS, Pointe Claire, Quebec, Canada, and JOEL S. COFFIN, Jr., Lisbon, N. H.; said Schellens assignor to said Coffin, jr. Filed July 21, 1922. Serial No. 576,620. 9 Claims. (Cl. 105—82.)



1. In combination in a locomotive, a radial truck, a spring, and a spring support comprising a compression member disposed substantially centrally of the spring.



1,562,060. JOURNAL BOX. EUGENE L. SCHELLENS, Pointe Claire, Quebec, Canada, and JOEL S. COFFIN, Jr., Lisbon, N. H.; said Schellens assignor to said Coffin, jr. Filed July 21, 1922. Serial No. 576,618. 2 Claims. (Cl. 105—223.)



1. In combination, a journal box for railway vehicles, a part carrying the box and pads secured to the box at the sides thereof having a substantially vertical line contact with the carrying part.

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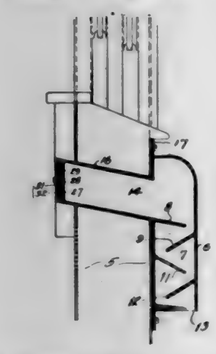
1,562,061. VENTILATING DEVICE. ALBERT SCHNEIDER, Portland, Oreg. Filed June 2, 1924. Serial No. 717,441. 1 Claim. (Cl. 98—22.)



In a train ventilating device, a casting adapted to be secured to the outer wall of a car, a pipe extending through the wall in said car and communicating with said casting, said casting having an inlet port formed in the bottom thereof, a plurality of downwardly and inwardly inclined baffles positioned in said casting, means for filtering the air passing through said device, said means comprising a screen, a filter pad in contact with said screen, means for holding said screen and said pad to said device, and means for regulating the rate of flow of air through said device, for the purpose specified.

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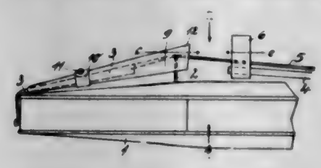
1,562,062. GUIDE FOR VIOLIN BOWS. LILLY SCHMIDT, Klotzsche, near Dresden, Germany. Filed Jan. 22, 1925. Serial No. 4,023. 1 Claim. (Cl. 84—283.)



A guide for violin bows consisting of a frame attached to the finger-board and of a guard possessing great stiffness and being of such a length as to protrude above and beyond the bridge; the said guard being placed over the lower end of the tail-piece and secured by means of a clasp so as to be kept in suspended position above the bridge and strings.

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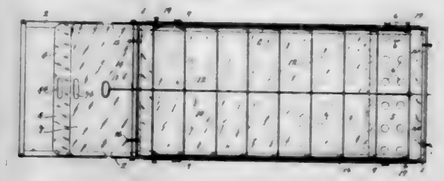
1,562,063. ARTICLE-FFEDING DEVICE. FRANK MATT SCHULER, Winona, Minn. Filed May 8, 1922. Serial No. 559,261. 23 Claims. (Cl. 107—7.)



1. An article feeder having in combination a hopper having an open bottom, guide means on which the hopper is supported extending at one end thereof, an imperforate plate supported on said means and slidable into and out of position beneath the hopper, a perforated member supported in said hopper above said plate, a second imperforate plate supported on said perforated member and slidable into and out of position in said hopper, and an agitating means in said hopper above said second mentioned plate.

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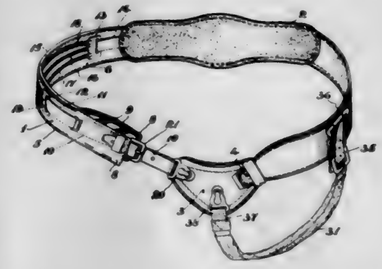
1,562,064. SURGICAL TRUSS. FREDERICK SCHUTZE, London, England. Filed July 10, 1924. Serial No. 725,184. 5 Claims. (Cl. 128—101.)



1. A surgical truss comprising a belt having a non-extensible back portion, a front portion carrying a pad, a plurality of springs connected between the back portion and the front portion, means for tightening the belt, and means whereby the springs come into action in succession as the belt is tightened in order successively to exert a direct pressure or pull upon the pad.

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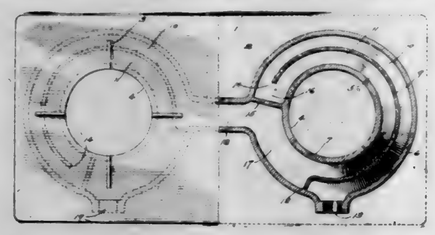
1,562,065. WATER BACK FOR GAS STOVES. JAMES G. SCOTT, Washington, D. C., assignor to Scott Gas Appliance Company, Washington, D. C., a Corporation of Delaware. Filed June 1, 1921. Serial No. 474,155. 1 Claim. (Cl. 126—53.)

A water back for gas stoves of the closed top type adapted and designed to be disposed below and spaced from the closed top of such stoves, comprising a substantially flat plate having a burner opening disposed therein, spaced annular vertical walls depending from said plate around said burner opening, the inner wall being shorter than the outer wall, a bottom plate inclined outwardly downwardly connecting said vertical walls to form an annular water chamber, said inner and inclined bottom wall serving to produce a "stack" effect on the air at the burner opening, said outer ver-

tical wall being provided with an inlet and an outlet water opening disposed materially less than 180° apart, an annular vertical partition connected with the outer side wall between the inlet and outlet openings and extending substantially centrally of the annular water chamber to a point adjacent the outlet opening and a transverse partition connecting the inner and outer walls adjacent to but spaced from the end of the annular partition, adjacent the outlet opening whereby



all water entering the water chamber through the inlet opening must pass in a circuitous course first along the outer side and then along the inner side of the annular partition before escaping through the outlet opening and whereby all of the water coming in contact with the inner wall of the water chamber and the portion of the inclined bottom plate adjacent thereto will be preheated by its passage through the outer passage of the water chamber.

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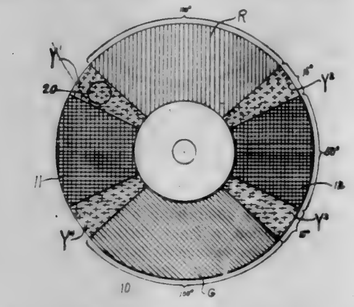
1,562,066. METHOD OF PRODUCING MOTION PICTURES IN COLORS. JOSEPH SHAW, New York, N. Y., assignor to Kingdon Gould and Schuyler Neilson Rice, executors of the will of George J. Gould, deceased. Filed Oct. 19, 1920, Serial No. 417,862. Renewed Apr. 16, 1925. 11 Claims. (Cl. 88—16.4.)



1. A method of producing motion picture negatives which comprises exposing successive image areas of a negative, through complementary color filters, and exposing each successive image area for a brief interval before and after each exposure through the respective complementary color filters, through a filter separating color values substantially intermediate the complementary color filters.

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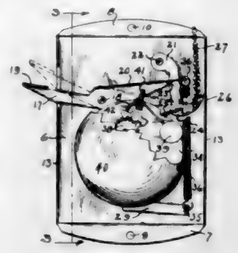
1,562,067. ALARM. VERNER E. SPROUSE, Indianapolis, Ind., assignor of one-third to Burley L. Parham and one-third to Earl Higginbotham, both of Indianapolis, Ind. Filed Apr. 13, 1925. Serial No. 22,643. 2 Claims. (Cl. 116—94.)

1. In an alarm, a base, an alarm signal secured to the base, a spring pressed control button projecting from the signal, a lever pivoted to the base, an outwardly turned flange on the lever adapted to contact said button, a trigger pivoted to the base adapted to swing into a slot formed in said flange, a stop on the trigger, a trigger spring normally holding said stop under said



flange, a spring pulling said lever against said button upon release of said trigger, and means of releasing said trigger from said lever.

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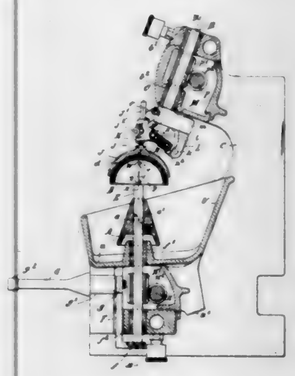
1,562,068. GRINDING AND POLISHING APPARATUS. WILLIAM TAYLOR, Leicester, England. Filed Apr. 9, 1918. Serial No. 227,563. 28 Claims. (Cl. 51—119.)

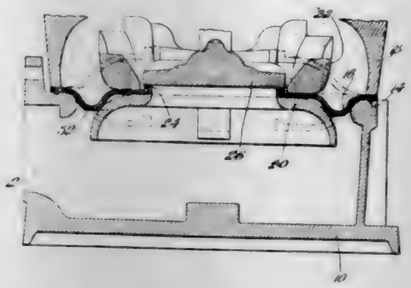


1. Apparatus for grinding and polishing spherically curved surfaces, comprising a pair of co-acting work and tool members, one having a convex and the other a concave surface, means for imparting a concentric rotary movement to one of said members, means for moving the other of said members bodily in a circular path about an axis which intersects the axis of rotation of the first said member substantially at the common center of curvature of the surfaces of the two co-acting members, and means for applying to the member which is moved bodily a force in a direction at an angle to the axis of the movement of said member and substantially toward the center of curvature of the co-acting member.

3. Apparatus for grinding and polishing spherically curved surfaces, comprising a pair of coacting work and tool members, one having a convex and the other a concave surface, means for imparting a concentric rotary movement to one of said members, and means for moving the other of said members bodily in an eccentric path on and about the surface of the first mentioned member, said moving means including a device adapted to engage and move the said member and being adjustable along a line radial to the common center of curvature of the two coacting members.



1,562,069. PUMPING APPARATUS. LEROY O. ARRINGDALE, Boston, Mass., assignor to Edson Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 10, 1924. Serial No. 685,463. 1 Claim. (Cl. 103—151.)



Pumping apparatus comprising a stationary pump housing, an annular diaphragm of rubber clamped at its outer periphery to the housing and molded with its inner and outer peripheries in substantially the same plane and with an annular depending fold intermediate the inner and outer peripheries, a pumping head occupying the major portion of the space within the housing and clamped to the inner periphery of the annular diaphragm, the pumping head being movable within the housing through the plane of the diaphragm and to opposite sides thereof, the annular depending fold of the diaphragm lying in the region of clearance between the housing and head when the latter is passing through the plane of the diaphragm and the fold providing sufficient material to permit movement of the inner periphery to the opposite limits of movement of the head.

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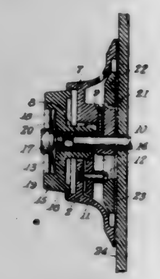
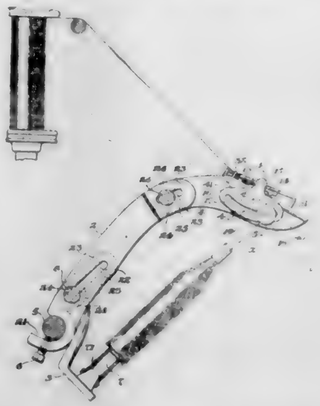
1,562,070. ADJUSTING DEVICE. LOUIS E. BALTELEY, Glen Ridge, N. J. Filed Jan. 15, 1925. Serial No. 2,493. 27 Claims. (Cl. 74—7.)



1. An adjusting device comprising a sleeve engageable over a shaft to be adjusted and provided with means for securing the same in adjusted relation on said shaft, rollers supported by said sleeve grouped about the axis of the same and independently adjustable along their own axes, a track member engaged by the inner ends of said rollers, a handle member journaled on the sleeve and adjustable lengthwise thereover into engagement with the outer ends of the rollers, a spring bearing on said handle member and a screw engaged with the outer end of the sleeve and bearing on the spring and accessible at the front of the handle member for varying the thrust of the handle member on the rollers and the consequent pressure of the rollers on the track member.



1,562,071. THREAD-TENSIONING MEANS. JOSEPH BARNES, New Bedford, Mass., assignor to L. V. B. Tension Company, New Bedford, Mass., a Corporation of Massachusetts. Filed July 10, 1923. Serial No. 650,637. 11 Claims. (Cl. 242—130.)



1. A tension device comprising, in combination, a plate over which the yarn or thread is adapted to pass, a presser provided with a yielding face plate cooperating with said plate, said face plate having one or more convex ribs to press the yarn or thread against the said plate, and said plate first mentioned having a slot or slots adjacent the said convex rib or ribs through which portions of the current of air produced by the traveling yarn or thread escape carrying with them particles of lint.

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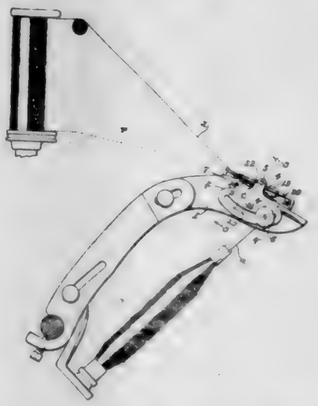
1,562,072. THREAD-TENSIONING MEANS. JOSEPH BARNES, New Bedford, Mass., assignor to L. V. B. Tension Company, New Bedford, Mass., a Corporation of Massachusetts. Filed Mar. 21, 1925. Serial No. 17,253. 3 Claims. (Cl. 242—149.)



1. A tension device of the character described comprising a head; a presser-lever of sheet-material formed with a hole for a lever-pivot, a hole for a presser-pivot, and a slot providing for adjustable mounting of a tension-weight; a lever-pivot engaged with the said head and in one of said holes; a presser-pivot engaged in the other hole; a presser mounted upon the presser-lever

by means of the presser-pivot and cooperating with a backing surface in connection with the head; and a weight having securing means occupying said slot and adjustable along the same relative to the lever-pivot to vary the effective leverage of the weight.

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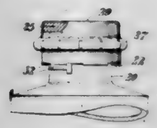
1,562,073. METHOD OF AND MEANS FOR EFFECTING CLOSURES. HAROLD BATCHELOR, Jersey City, N. J., assignor to Albert J. Sterling, New York, N. Y. Filed Sept. 16, 1924. Serial No. 737,973. 10 Claims. (Cl. 215—44.)



1. The combination with a container having the exterior around its mouth provided with projections the lower walls of which are formed as cams and at least one of which is provided with a vertical wall serving as a stop, of a closure cap provided with lugs for engagement with the cam portions of said projections, whereby rotation of the cap until arrested by the stop will cause the inner top of the cap to be drawn into engagement with the mouth of the container, and a bent portion between each lug and the top of the cap which may be further bent after the rotation of the cap has been arrested by the stop to draw the closure into closer engagement with the mouth of the container.

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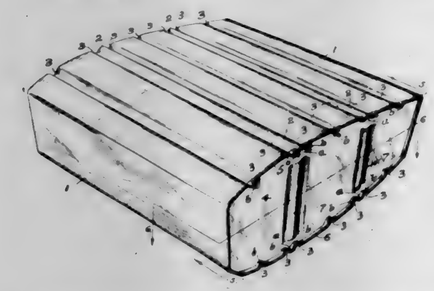
1,562,074. AIRPLANE GAS TANK AND METHOD OF MAKING SAME. SEYMOUR J. BAUM, Flushing, N. Y. Filed Aug. 25, 1924. Serial No. 733,869. 2 Claims. (Cl. 220—22.)



1. An airplane gas tank, comprising a body portion having its opposite faces elongated imperforate channels that extend from end to end, baffle plates whose opposite sides and ends terminate in lip-like extensions, and end covers for the tank which have channels corresponding to those in the faces of the body but at right angles thereto, said end covers conformably fitting the ends of the body and welded thereto, while said lip-like extensions are snugly housed within the channels both in the faces of the body and in the end covers.

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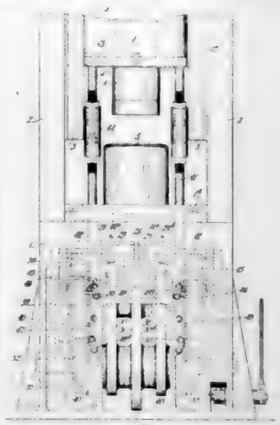
1,562,075. PRESS FOR DRAWING SHEET METAL. GEORGE WILLIAM BERRY, Wakefield, England, assignor of one-half to Charles Joseph Rhodes, Wakefield, England. Filed Dec. 16, 1924. Serial No. 756,179. 12 Claims. (Cl. 113—38.)

1. In drawing sheet metal, die mechanism including co-operating movable and stationary dies, a movable drawing member embodied in the stationary die, a cam, a shaft carrying said cam having a fixed axis which intersects the vertical axis of the die mechanism, and means operative from the movement of the movable



die member to oscillate said shaft and cam to control the movement of the drawing member and maintain the same under a constant pressure during the drawing operation.

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1,562,076. PROCESS OF MANUFACTURING ARTIFICIAL SILK AND OTHER PRODUCTS FROM NITROCELLULOSE. EMILE BINDSCHEDLER, Lansdowne, Pa., assignor to Tubize Artificial Silk Company of America, a Corporation of Delaware. Filed May 31, 1924. Serial No. 716,969. 8 Claims. (Cl. 18—54.)

1 Process of manufacturing nitrocellulose products from nitrocellulose hydrate, dissolved in a mixture of alcohol and ether, in which the collodion is exuded through orifices and the formed product drawn away and coagulated in a bath composed of a mixture of an aliphatic monohydroxy alcohol and glycerin and drawing the product through said bath at a speed greater than its rate of exudation.

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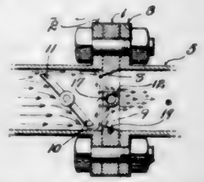
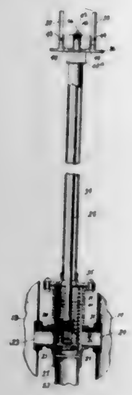
1,562,077. COMBINED VAPORIZER AND AUXILIARY AIR-INLET DEVICE. WALTER J. BLIFFERT, Milwaukee, Wis. Filed Nov. 22, 1923. Serial No. 676,369. 1 Claim. (Cl. 48—180.)



The combination of a carburetor and an intake manifold of an internal combustion engine, an exhaust manifold, and a gasket attached between said intake manifold and said carburetor, said gasket having a shouldered portion on the side adjacent the carburetor slightly constricting the continuous aperture through the intake manifold, the opening through said gasket being conical and gradually flaring towards the intake manifold to the size of the intake manifold, a heating pipe supplied from the exhaust manifold and extending transversely across the opening through said gasket, said gasket having an air inlet duct opening tangentially into the aperture through said gasket at a point spaced rearwardly from said shoulder.



1,562,078. REFRIGERATOR CAR. PERCY B. CAMP, Maywood, Ill., assignor to Universal Draft Gear Attachment Company, a Corporation of Illinois. Filed June 7, 1923. Serial No. 643,958. 8 Claims. (Cl. 62—19.)



1. In combination, a railway car provided with a tank support, a plurality of tanks mounted on said support, a conduit for connecting said tanks, said conduit being provided with a single discharge port, an inwardly opening valve in the bottom wall of said conduit, and means in substantial alignment with the axis of said valve and extending to the top of said tank for operating said tank.

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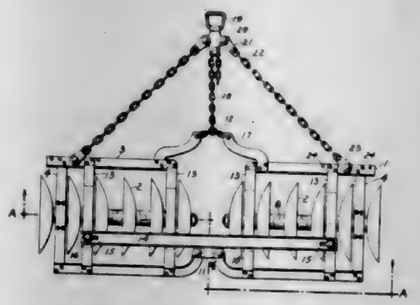
1,562,079. DISK HARROW. ANDREW V. CHAPIN, Ferndale, Calif. Filed May 23, 1923. Serial No. 640,976. 5 Claims. (Cl. 55—81.)



1. A harrow comprising frames, gang disks and a cross-bar, the frames being pivotally connected together by a shackle and each frame thereof provided with a gang of disks and with U-braces arranged transversely thereon to slidably support the cross-bar above said gang disks, to keep the frames substantially in the same plane.

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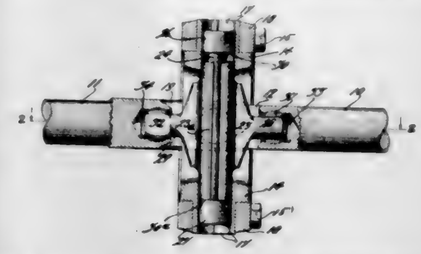
1,562,080. UNIVERSAL JOINT. ROLAND CHILTON, Keyport, N. J., assignor to Aeromarine Plane & Motor Company, Inc., a Corporation of New York. Filed Dec. 29, 1924. Serial No. 758,765. 15 Claims. (Cl. 64—102.)

1. In a joint having an intermediate articulated connection between a driving and a driven member, a control means comprising a two-part structure slidably journalled in said connection against separation and for relative oscillation of the parts, a pin having enlarged end portions on which the parts are articulated in de-



feat of relative end motion, and a rigid extension on each part engaging the adjacent member in a rotationally free manner.

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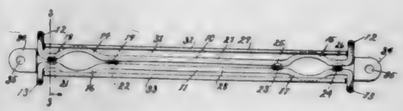
1,562,081. LOOSE-LEAF BINDER. JAMES C. DAWSON, Webster Groves, Mo., assignor to Elma N. Dawson, Webster Groves, Mo. Filed Dec. 24, 1924. Serial No. 757,901. 8 Claims. (Cl. 129—24.)

4. A loose leaf binder comprising a pair of rods provided with opposed short rigid arches extending outwardly from each other to form toggles at each end thereof, opposed paper holding prongs adjacent said arches, and a spring clip for engaging said arches for resiliently holding said toggles in adjusted position.

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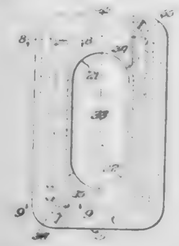
1,562,082. PLINTH PLATE. EDGAR L. DRINKWATER Chicago, Ill. Filed Feb. 11, 1924. Serial No. 691,962 11 Claims. (Cl. 126—317.)



1. A plinth plate comprising a slotted escutcheon composed of a pair of complemental U-shaped members, one leg of each member forming a section of a face plate and the other leg being rearwardly offset from said face plate, said members being provided with interengaging means whereby the members are held against relative longitudinal and lateral displacement.

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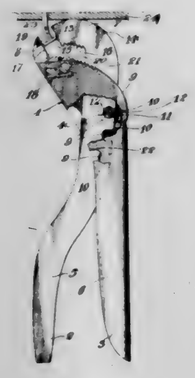
1,562,083. TOOL. WILLIAM FRANKLIN EVANS, Schenectady, N. Y., assignor of one-half to Harry Levering Evans, New York, N. Y. Filed Mar. 21, 1924. Serial No. 700,760. 7 Claims. (Cl. 81—186.)

3. A tool provided with relatively movable jaw members, said jaw members being provided with angularly

disposed gripping faces, one of the faces of each of said jaw members extending substantially at right angles to the handle portion of the tool, and the other faces of



said jaw members being disposed at an angle of approximately forty-five degrees to the first-named faces and the handle portion of the tool.

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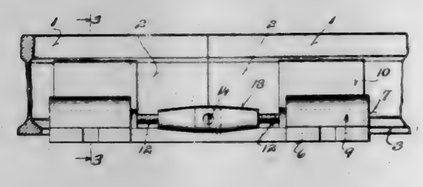
1,562,084. RAIL JOINT. KARL EMIL FERCH, Koepenick, Wis. Filed Aug. 14, 1923. Serial No. 657,310. 1 Claim. (Cl. 238—207.)



The combination of a pair of juxtaposed rails having their heads, webs, and bases aligned, and a gripping device comprising a body portion located below the bases and engaging one side of each base, a pair of upstanding lugs upon the other side, a pair of reversely slanting, spaced, wedge means positioned between said lugs and said rails and wedgingly engaging said rails, an elongated nut, and reversely threaded screws cooperating with said nut for simultaneously moving both of said wedge means, the body portion of said gripping device having an unbroken channel of uniform width throughout adapted to receive the bases of the rails and to hold them in alignment independently of said wedging means, the marginal walls of said channel engaging opposed edges of the bases.

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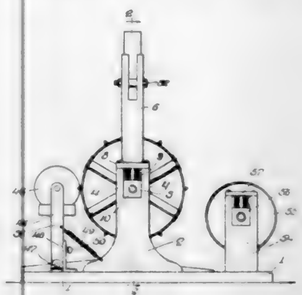
1,562,085. LABELING MACHINE. EDWARD F. FOSTER, Milwaukee, Wis. Substitute for abandoned application Serial No. 465,387, filed Apr. 29, 1921. This application filed Aug. 25, 1924. Serial No. 733,999½. 8 Claims. (Cl. 216—55.)

1. In a labeling machine; a frame, a substantially non-rotatable axle mounted on the frame, one end of said axle having a longitudinal bore and a suction bore between its ends, and the other end of said axle having a longitudinal bore and a relief bore placed substantially on the opposite side of the shaft from the suction bore, a wheel rotatable on said shaft, a hollow spoke on said wheel adapted when rotated to register successively with said suction and outlet ports, and a label tube operatively positioned relatively to the outer end of said spoke when the inner end thereof is in register with said exhaust port.



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1,562,086. ANTIGLARE DEVICE OR EYESHIELD. ROLAND H. GILKERSON, Watertown, Wis., assignor of one-half to Voness D. Chipman, Watertown, Wis. Filed Nov. 24, 1924. Serial No. 752,029. 2 Claims. (Cl. 2—13.)

1. An eye shield adapted to be positioned upon a pair of spectacles, said eye shield comprising a pair of transparent colored members, an elastic tape threaded through adjacent portions of said members and having a clip binding the ends of the tape together, and hook-like clips carried by the outer portion of said transparent members and adapted to fit over the spectacles.

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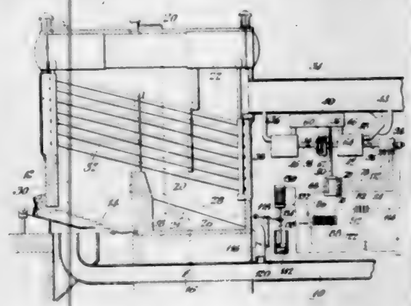
1,562,087. METHOD OF AND APPARATUS FOR CONTROLLING COMBUSTION. JOHN WILLIAM GRISWOLD, Warren, Pa., assignor to Henry L. Doherty & Company, a Copartnership composed of Henry L. Doherty and Frank W. Frueauff, New York, N. Y. Filed Feb. 12, 1920. Serial No. 358,018. 23 Claims. (Cl. 236—15.)



12. The method of regulating combustion in furnaces, which comprises continuously removing a sample of the flue gases from a furnace, continuously testing said sample of flue gases for free oxygen, continuously increasing the draft to said furnace when the content of oxygen in the flue gases is below a certain percentage, and decreasing the draft when the quantity of free oxygen increases above said fixed percentage.



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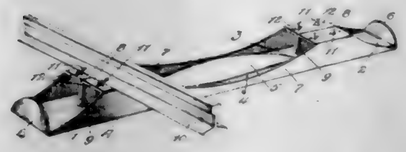
1,562,088. RAILWAY TIE. JOHN J. HOGAN, St. Louis, Mo. Filed Feb. 4, 1925. Serial No. 6,779. 4 Claims. (Cl. 238—63.)



1. A tie formed from a single piece of sheet metal comprising a base having plane surfaces of relatively great area at each end, flanges forming tie-sides and tie-ends, chairs abutting against the flanges forming the tie-sides, piers for said chairs and integral rail securing means on said chairs.

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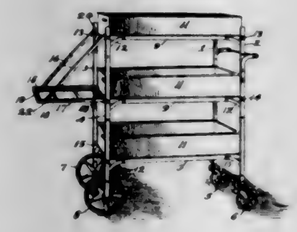
1,562,089. DETACHABLE FRAME FOR SERVICE WAGONS. WILLIAM V. HOLLEY, New York, N. Y., assignor to New York Bath Manufacturing Co., a Corporation of New York. Filed Mar. 9, 1920. Serial No. 364,586. 1 Claim. (Cl. 280—50.)



The combination with a service wagon having superposed shelves, and bars at one end, of a frame detachably connected to said bars and including a shelf member and brace members, said brace members having their upper ends hooked over one of said bars and being pivotally connected at their lower ends to one end portion of the shelf member, the shelf member normally lying in a horizontal position and being provided at one end portion with hooks engaging a lower one of said bars, said shelf member and brace members being adapted to lie in a vertical plane on one end of the wagon when the hooks of the shelf member are detached from the bar which they engage and drop down, said shelf member in this position being suspended from the brace members.

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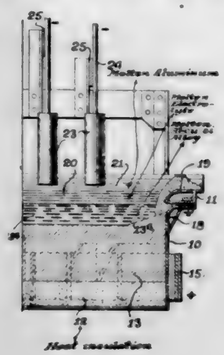
1,562,090. ELECTROLYTIC CELL. WILLIAM HOOPES, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 8, 1923. Serial No. 673,422. 2 Claims. (Cl. 204—19.)

1. An electrolytic cell provided with a bottom lining of carbon formed with a depression constituting a receptacle for a body of molten metal, the bottom lining having also a tapping well extending below the surface on which the molten metal rests and a tap hole leading horizontally from the bottom of the well, whereby in



tapping the cell liquid floating on the said molten metal will be prevented from reaching the tap hole before the said receptacle is substantially drained of metal.

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1,562,091. PITCH-LOWERING DEVICE FOR MUSICAL INSTRUMENTS. MOSES BERTRAND HOWARD, San Francisco, Calif. Filed Nov. 12, 1924. Serial No. 749,443. 7 Claims. (Cl. 84—386.)

7. A device for adjusting the tonal pitch of clarinets, saxophones and other reed instruments comprising an elongated flexible element adapted to extend along and interiorly of the barrel of a musical instrument of the type above referred to and means at one end of said member adapted to hook over an extremity of the barrel of said instrument.

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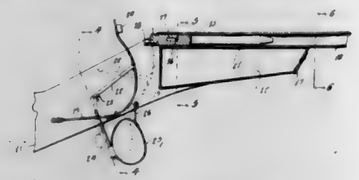
1,562,092. TOY GUN. RUFUS A. IRBY, Long Beach, Miss. Filed Nov. 28, 1924. Serial No. 752,714. 6 Claims. (Cl. 124—12.)

6. A toy gun comprising a stock formed of similar side pieces disposed in spaced and parallel relation, a magazine arranged between the front portion of the side pieces, a barrel supported upon the magazine and clamped between the side pieces of the stock, a plunger

in the breech of the barrel and recessed to receive a paper cap, a spring provided with a hammer to coact with the plunger, a dog carried by the spring, a stop



adapted to engage the dog and a trigger mechanism, the action being comprised between the side pieces forming the stock.

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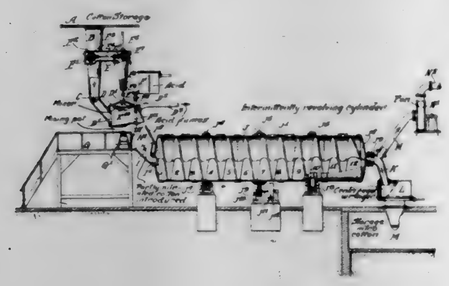
1,562,093. METHOD OF NITRATING CELLULOSE. GEORGE JUER, Hopewell, Va., assignor to Tubize Artificial Silk Company of America, a Corporation of Delaware. Filed June 5, 1923. Serial No. 643,548. 1 Claim. (Cl. 260—145.)



The method of nitrating cellulose which consists in thoroughly mixing cellulose and acids in a mixing pot so as to effect a partial nitration of the cellulose, charging the partially nitrated cellulose and admixed acids into a rotatable cylinder and tumbling the batch by rotating the cylinder until the nitration is complete.

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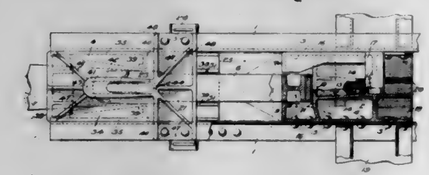
1,562,094. DRAFT RIGGING. BYERS W. KADEL and PERCY R. DRENNING, Baltimore, Md., assignors, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Mar. 30, 1922. Serial No. 548,198. 24 Claims. (Cl. 213—50.)



1. In a draft rigging, the combination with draft sills, of cushioning mechanism, a coupler, a vertically arranged yoke, means for guiding the front end of said yoke, guide means for the rear end of said yoke, said guide means at the rear of the yoke acting to form a stop member therefor upon the movement of the yoke beyond a predetermined position, means connecting said yoke and coupler adapted to permit relative movement therebetween, and means for guiding said connecting means.

1,562,095. WEAR PLATE FOR CAR-TRUCK COLUMNS AND METHOD OF MAKING THE SAME. BYRAM W. KADEL, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Sept. 4, 1923. Serial No. 660,906. 8 Claims. (Cl. 105—207.)

1. A wear plate for car truck side frames comprising a body portion having flanges formed with wearing surfaces, the inner faces of said flanges being curved to fit the radii of the truck columns of the side frame, said inner faces joining the wearing surfaces on said flange in relatively narrow edge portions, said edge portions providing one side of the welding groove used in effecting the attachment of said plate to the truck columns.

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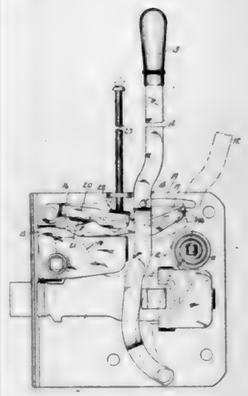
1,562,096. LATCH FOR VEHICLE DOORS. RICHARD V. KAIMER, New Haven, Conn., assignor to The English & Mersick Co., New Haven, Conn., a Corporation. Filed Aug. 13, 1925. Serial No. 49,887. 3 Claims. (Cl. 292—173.)



1. A latch, comprising a bolt, a lever for retiring said bolt, a roll-back adapted to retire said bolt, a locking-lever pivoted above the bolt and extending into the path of the roll-back, a push-rod lever pivoted at one end, above and forward of the locking-lever, a push-rod mounted in line with and bearing upon the push-rod lever and adapted, when forced down, to depress the forward end of the locking-lever, and means for depressing the rear end of the locking-lever to lift it out of the path of the roll-back and to raise the push-rod.

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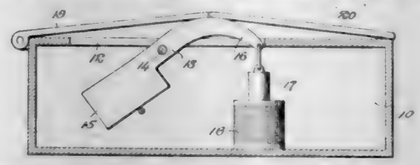
1,562,097. RAMP DEVICE FOR AUTOMATIC TRAIN-CONTROL SYSTEMS. OTIS B. KENT, Washington, D. C., and ROBERT L. MILLER, Spokane, Wash.; said Miller assignor to Otis Automatic Train Control, Inc., Spokane, Wash., a Corporation of Washington. Filed Jan. 13, 1922. Serial No. 529,011. 3 Claims. (Cl. 246—202.)

1. A ramp device for automatic train control apparatus including a pair of upwardly projectile ramp rails pivotally connected together, a weight operated member normally exerting an upward force at the point of pivotal connection of said rails to maintain the latter nor-



mally projected, and electro-magnetic means to retract said member thereby to permit retraction of said ramp rails under the influence of gravity.

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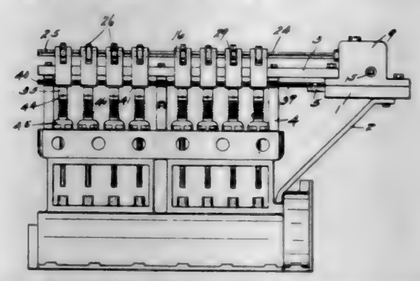
1,562,098. VALVE GRINDER. JACOB KLEINSCHMIDT, Kimmswick, Mo. Filed Aug. 11, 1924. Serial No. 731,378. 1 Claim. (Cl. 51—29.)



In a device of the kind described comprising a base; base supporting legs secured to the base; tracks secured to the base; legs secured to the tracks for engaging the cylinder block; a primary rack bar having gear teeth and a shaft aperture provided therein slidingly mounted upon the base; a gear housing secured to the base; a drive shaft vertically journaled in the gear housing and in the base, engaging the shaft aperture provided in the primary rack bar; a half gear mounted upon the vertical drive shaft; spur gears rotatively secured to the base engaging the half gear and the primary rack bar; means for driving the vertical drive shaft, shaft brackets, releasably secured to the tracks; grinding shafts mounted in the shaft brackets; pinions slidingly secured to the grinding shafts; a secondary rack bar having gear teeth cut therein, mounted in the shaft brackets, engaging the pinions secured to the primary rack bar; valve engaging stems secured to the grinding shafts; and means engaging the grinding shafts for seating and re-seating the said grinding shafts.

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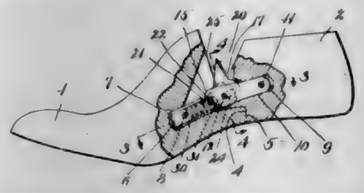
1,562,099. PROCESS OF ASSEMBLING LASTS. EDWIN O. KRENTLER, Detroit, Mich., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich., a Corporation of Michigan. Original application filed Apr. 24, 1922, Serial No. 556,150. Divided and this application filed Apr. 5, 1924. Serial No. 704,506. 1 Claim. (Cl. 12—136.)



The improved method of manufacturing a last for use in the manufacture of boots and shoes, having a fore part and heel part relatively movable, which consists in constructing the fore part and heel part with recesses to receive connecting members, including positive locking means and lock releasing means, utilizing a temporary retaining element for temporarily assembling the connecting means and interlocking and releasing elements, applying the connecting, interlocking and releasing elements to the fore part and heel part while thus temporarily assembled, then completing the manufacturing operation by driving a retaining element acting to unite the last connecting and interlocking elements while simultaneously removing the temporary retaining element.

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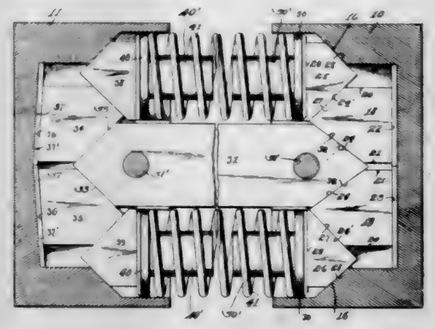
1,562,100. DRAFT RIGGING. ELMYR A. LAUGHLIN, Oregon, Ill. Filed May 16, 1924. Serial No. 713,787. 7 Claims. (Cl. 213—22.)



1. A draft rigging including housings, springs extending between and into the housings, a central longitudinally movable member, and wedge members of different degrees of acuteness cooperating with each other and cooperating with the central member for moving said member and compressing the springs.

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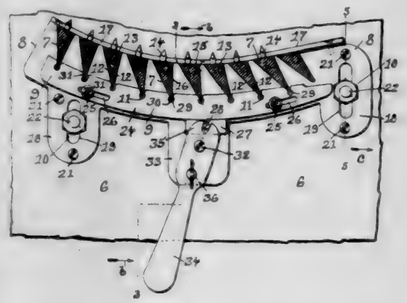
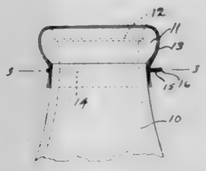
1,562,101. COTTON LAPPER. SAMUEL BURNSIDE LAWTON, Cranston, R. I. Filed Feb. 20, 1925. Serial No. 10,607. 6 Claims. (Cl. 19—95.)



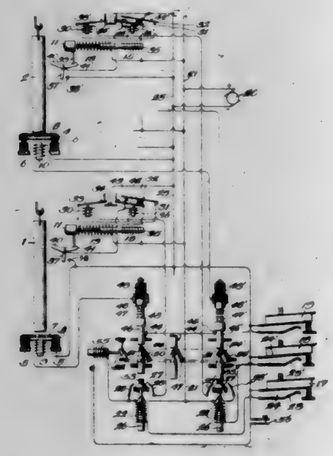
6. In a cotton lapper having side frames, grid bars and a grid bar bearing support at each end of the grid bars for pivotally supporting the grid bars, means for adjusting the grid bars lengthwise between the side frames, consisting of bolts through the grid bar bearing supports and side frames and screws through the bearing supports and bearing against the side frames, whereby on adjusting the bolts and screws, the grid bars are adjusted lengthwise between the side frames and by tightening the bolts and screws the grid bars are held in their adjusted positions.

1,562,102. BOTTLE-COVER HOLDER. WILLIAM H. LE MASSENA, Glen Ridge, N. J. Filed Jan. 23, 1925. Serial No. 4,143. 4 Claims. (Cl. 215—95.)



1. A holder for a bottle cover, comprising a continuous ring of metal wire having a bend in the wire with the bent portion making an angle of at least 90° with the ring portion when the ring is drawn into holding position, said wire having a nick in one side thereof at the junction of the bent portion and the ring portion and positioned to be opened when the bend is straightened, whereby the wire will be broken when the bend is restored to its original position before the wire was bent.

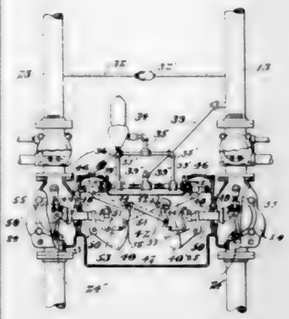
1,562,103. SOUND-PRODUCING INSTRUMENT. FREDERICK B. LITTLE, Chicago, Ill., assignor to J. C. Deagan, Inc., Chicago, Ill., a Corporation of Illinois. Filed May 4, 1925. Serial No. 27,769. 9 Claims. (Cl. 84—405.)



1. The combination with two sound producing members; of a sound damper engageable with one of said members; mechanism controlling the application of said sound damper to the sound producing member to which it pertains; and mechanism operable upon the other sound producing member to set it into sound producing vibration and then operable upon the first aforesaid mechanism to enable the application of said sound damper to the sound producing member to which it pertains.

1,562,104. DRY-PIPE SPRINKLER SYSTEM. ALBERT J. LOEPSINGER, Providence, R. I., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I., a Corporation of Delaware. Filed June 22, 1923. Serial No. 647,173. 15 Claims. (Cl. 169—21.)

1. In a dry pipe system for plural liquids, the combination with a dry pipe valve for each liquid, having a weighted lever arranged to maintain said valve closed while suspended and adapted to open said valve upon being tripped, of means connecting said levers whereby the tripping of one effects simultaneous tripping of the other.



1,562,105. WINDOW-SHADE ROLLER. CHARLES E. MCDONALD, Butte, Mont. Filed May 31, 1924. Serial No. 717,030. 5 Claims. (Cl. 156—25.)

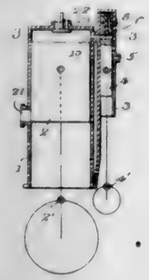
1. A shade roller provided with a longitudinal groove having a seat at one side and a projection at its opposite side, and a resilient retaining member disposed in said groove to abut said seat and having a free portion transversely movable to engage the inner walls of the groove and the projection at opposite points.

1,562,106. WORKING PROCESS FOR INTERNAL-COMBUSTION ENGINES. FRANZ MÄDLER, Charlottenburg, Germany, assignor to Maedler Engine Corporation, a Corporation of Maryland. Filed July 16, 1920. Serial No. 396,870. 5 Claims. (Cl. 123—33.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

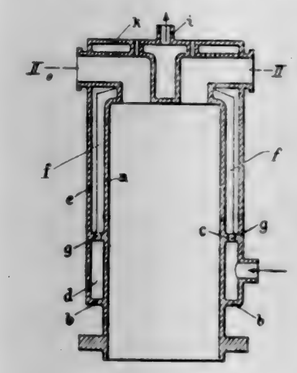
1. A method of preparing the combustion charges in internal combustion engines, which comprises filling a small auxiliary chamber with practically inert hot combustion gases directly from the working cylinder before the exhaust opens, filling the working cylinder with an air charge while the auxiliary chamber is cut off from the cylinder, subjecting a fuel charge to the action of the combustion gases in said auxiliary chamber and holding said mixture of fuel and gases in said chamber while this chamber is positively closed and while said gases are under high temperature and pressure conditions, whereby said fuel charge is treated in said closed chamber for a sufficient length of time, so



that it is prepared for efficient mixing and combustion with the air charge in the working cylinder, and releasing said gaseous mixture at the proper moment to inject the highly compressed prepared fuel charge from the auxiliary chamber into the less highly compressed air charge in the working cylinder.



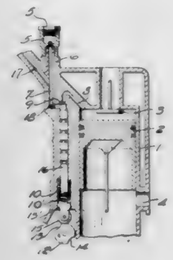
1,562,107. COOLING OF CYLINDERS. FRANZ LOUIS MÄDLER, Charlottenburg, Germany, assignor to Maedler Engine Corporation, a Corporation of Maryland. Filed Apr. 6, 1921. Serial No. 459,196. 3 Claims. (Cl. 123—173.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



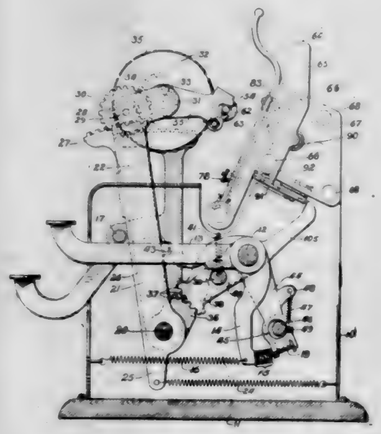
1. In a motor cylinder in combination, a water jacket surrounding said cylinder and having an inlet at its lower portion and an outlet at its upper portion, a radial partition in said jacket dividing the same into upper and lower chambers, longitudinal partitions on said cylinder in said upper chamber between said radial partition and water outlet, and passages of different diameters in said radial partition for connecting said chambers to permit water in varying quantities to reach different parts of said upper chamber.

1,562,108. INTERNAL-COMBUSTION ENGINE. FRANZ MÄDLER, Berlin, Germany, assignor to Maedler Engine Corporation, Cleveland, Ohio, a Corporation of Maryland. Original application filed July 16, 1920, Serial No. 396,870. Divided and this application filed Nov. 25, 1924. Serial No. 752,185. 7 Claims. (Cl. 123—33.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. In an internal combustion engine, a working cylinder, a small auxiliary chamber arranged to communicate with the interior of said cylinder, normally closed valve mechanism for controlling said communication, means for momentarily operating said valve mechanism to admit combustion gases under high temperature and pressure from the main cylinder into the auxiliary chamber, means for depositing a charge of fuel in the path of said gases whereby said gases vaporize the fuel in said chamber, said chamber being held positively closed by said valve mechanism after the combustion gases and fuel are admitted therein, so that said combustion gases and vaporized fuel are retained in said chamber under high temperature and pressure, means for admitting an air charge into the main cylinder, and means for operatively operating said valve mechanism to momentarily open communication between the auxiliary chamber and the main cylinder for injecting the vaporized fuel from the auxiliary chamber into the air charge in the main cylinder.

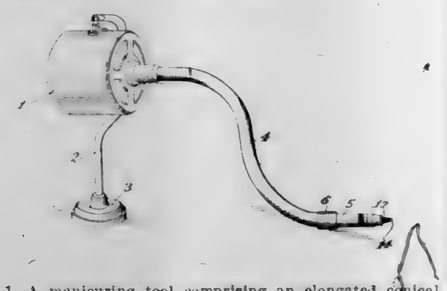


1,562,109. CHECK PROTECTOR. OTTO MALCHER, Chicago, Ill., assignor to Caspar Staub, jr., Chicago, Ill. Filed Nov. 21, 1921. Serial No. 516,715. 12 Claims. (Cl. 197—6.6.)



1. The combination with a type wheel, of a frame mounted for rotation about the axis of said wheel, an inking roller carried by said frame in position to engage the periphery of said wheel, a stationary rack, and gearing connected with said rack and frame for rotating said frame about its axis to cause said inking roller to traverse the periphery of said wheel when the axis of said wheel is shifted relative to said rack.

1,562,110. NAIL-CUTICLE TOOL POINT. CHARLES A. MASH, Los Angeles, Calif., assignor to The Electric Manicuring Co., Los Angeles, Calif., a Corporation of California. Filed July 22, 1925. Serial No. 45,253. 5 Claims. (Cl. 132—14.)



1. A manicuring tool comprising an elongated conical body having a pointed apex, an outwardly projecting flange at the base of said conical body, and the surface of said conical body being provided with longitudinally disposed grooves.

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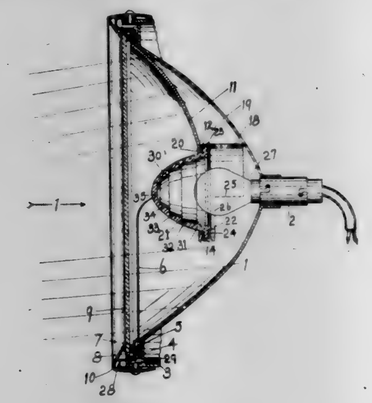
1,562,111. HEADLIGHT LENS. GEORGE MATTHYSSEN, Inglewood, and CHARLES OHLSON, Los Angeles, Calif. Filed Mar. 24, 1924. Serial No. 701,490. 4 Claims. (Cl. 240—48.2.)



1. A headlight comprising a concavo convex reflector having a rim on its outer edge, an opening in the axial center, and a cut away portion below the axial center adapted to form an opening for rays projected from a lamp, and a beehive glass mounted in the opening of the reflector.

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1,562,112. TENSION DEVICE FOR SPOOLING MACHINES. EMYGDIO SOARES MEDEIROS, New Bedford, Mass., assignor of one-half to Jose Pacheco Correia, New Bedford, Mass. Filed Apr. 30, 1925. Serial No. 26,984. 5 Claims. (Cl. 242—150.)

1. In a spooling machine, a thread tension device comprising a plate having a bifurcated end forming a thread slot, a porcelain thread guide eye at the end of the thread slot and having a corresponding thread slot, a lower porcelain thread tension washer on the plate and having a neck and a central hole, a stud having a shoulder bearing on the neck of the tension washer and a screw-threaded stem which extends through the tension washer and through a hole in the plate, a rubber washer and a nut on the screw-threaded stem and an upper porcelain tension washer on the lower tension

washer and means for securing the thread tension device to the movable thread guide device of a spooling machine, for the purpose as described.

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1,562,113. SLIDING GATE. ADOLPH A. MEYER, Washington, D. C. Filed Nov. 28, 1924. Serial No. 751,547. 2 Claims. (Cl. 61—28.)

1. In combination, a stationary guide surface, a movable gate having a surface opposed to the guide surface, a substantially rectangular retaining frame mounted on the opposed surface of the gate and normally projected to engage the stationary guide surface, and a friction reducing packing resiliently mounted and retained in said frame for providing a low friction contact surface for the gate with said stationary guide surface and for preventing leakage therebetween.

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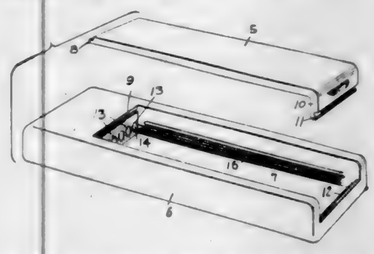
1,562,114. SAFETY BOX. PETER MICHELI, Monongahela, Pa. Filed Nov. 24, 1924. Serial No. 751,897. 2 Claims. (Cl. 206—3.)



2. A box comprising a body portion, a groove transversely disposed adjacent to one end thereof, the opposite end wall of the body portion being partially cut away at its upper side, a cover having an end portion seating within said groove and at its opposite end provided with a downturned portion fitting within said cut away portion, and means for effecting detachable engagement between said downturned portion and that end of the body portion which is adjacent thereto.



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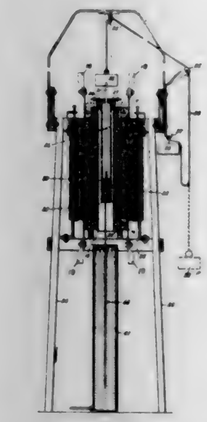
1,562,115. SILICA GLASS. LEVI B. MILLER, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Original application filed Apr. 1, 1921, Serial No. 457,660. Divided and this application filed Feb. 13, 1923. Serial No. 618,859. 6 Claims. (Cl. 49—14.)



1. An electric furnace adapted for shaping plastic silica which comprises a container providing a vertical heating zone having a discharge port located at its lower end, an electric heater therefor, a refractory crucible supported in said heating zone and having a die aligned with said discharge port to permit of the extrusion of material therethrough and means for extruding a charge from said refractory container.

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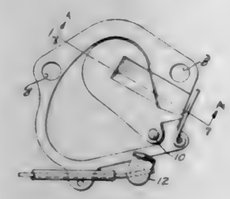
1,561,116. CARBURETOR CUT-OFF. HARRY W. MOIR, Los Angeles, Calif., assignor of one-half to Lester H. Miles, Los Angeles, Calif. Filed Apr. 20, 1920. Serial No. 375,380. Renewed Apr. 18, 1925. 3 Claims. (Cl. 277—8.)



1. A device adapted to be interposed between the carburetor and intake manifold of an internal combustion engine, said device comprising a chamber having a longitudinal opening therethrough, and a second opening to the atmosphere, a valve movable transversely of such longitudinal opening to close the same, and a second valve mounted externally of said apparatus and normally closing such second opening, said first-named valve being adapted to engage and open said second valve upon the closing of said first-named valve.

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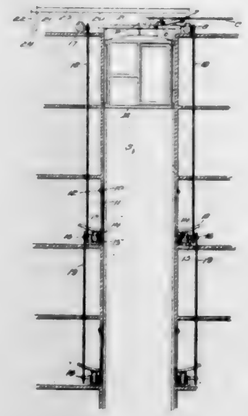
1,562,117. SAFETY DEVICE FOR ELEVATORS. NORMAN LEWIS MONROE, Bucyrus, Ohio. Filed Feb. 24, 1925. Serial No. 11,283. 2 Claims. (Cl. 187—81.)



1. In combination, an elevator shaft, an elevator mounted in the shaft, a cable for operation of the elevator, a circuit closer controlled by the cable, a motor in circuit with the circuit closer, and stops actuatably by said motor and operable to be moved thereby across the path of the elevator in the shaft.

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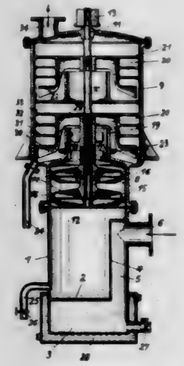
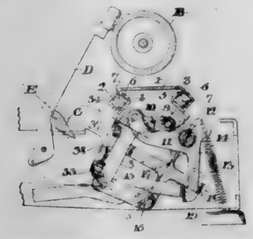
1,562,118. TAR SEPARATOR. BERNARD MOSCOVITCH, Rodenkirchen-Cologne, Germany, assignor to "Lignojen" Maschinen- und Apparatebau G. m. b. H., Berlin, Germany. Filed Oct. 18, 1924. Serial No. 744,437. 12 Claims. (Cl. 183—77.)



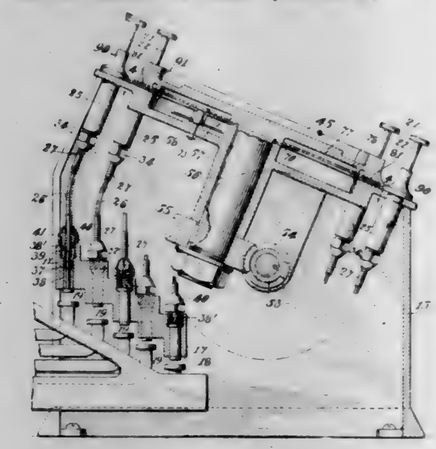
1. A tar separator comprising a casing, a plurality of grate members in the casing, and a plurality of interconnected vane disk members and bell-like members arranged in the casing, certain of said members being movable relatively to the others, each vane disk member cooperating with one of the grate members and comprising an imperforate body with vanes extending therefrom in the direction of the axis of rotation into close proximity to the bars of the grate member with which it is associated, and gas admitting and discharging means on said casing.

1,562,119. TYPEWRITING MACHINE. LEWIS C. MYERS, Freeport, and GEORGE F. HANDLEY, Glendale, N. Y., assignors to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 20, 1924. Serial No. 757,169. 30 Claims. (Cl. 197—149.)



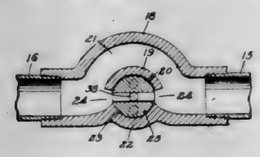
1. In a typewriting machine embodying a main frame, a carriage, and pivoted type bars, the combination of a shift frame supporting said carriage for case shift movement, and means for mounting said shift frame for bodily adjustment as a unit relative to the main frame independent of the case shift movement to obtain proper relation between the carriage and the type bars.

1,562,120. CODE-WRITING MACHINE. LOUIS A. NEMCOVSKY, New York, N. Y. Filed Aug. 16, 1922. Serial No. 582,157. 14 Claims. (Cl. 197—4.)



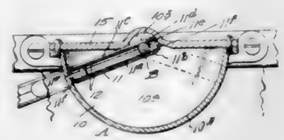
1. In a code-writing machine in combination a rotary disc having a plurality of character-bearing keys carried thereby, means for rotating said disc, and means operating upon rotation of said disc for rotating said keys relative to said disc.

1,562,121. LINE SAMPLER. RALPH W. NEWTON, Placentia, Calif. Filed Jan. 30, 1925. Serial No. 5,793. 12 Claims. (Cl. 137—111.)



1. In combination with a pipe line, means for taking and removing a representative sample of fluid in the pipe line without interrupting the flow therethrough.

1,562,122. FLUID-PRESSURE MOTOR. JOHN R. OISHEI, Buffalo, N. Y. Original application filed Nov. 24, 1921, Serial No. 509,822. Divided and this application filed Feb. 8, 1923. Serial No. 617,878. 3 Claims. (Cl. 121—97.)



1. A fluid pressure motor having a fluid pressure chamber with concentric curved oppositely disposed inner wall portions of different radii extending from an axis between said opposite inner wall portions, a vane having a pair of packing portions with edges in contact with said wall portions the edges of said packing portions being bent inwardly toward each other, a rock shaft secured to said vane, the axis of said rock shaft coinciding with said first named axis, and means for controlling the admission of operating fluid to said chamber to move said vane.

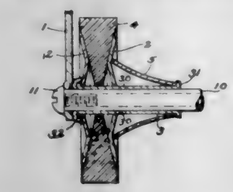
1,562,123. TUBULAR HOLDER. EDWARD L. PITTS, Raton, N. Mex., assignor of one-half to Chalkey C. Fisher, Okmulgee, Okla. Filed Oct. 20, 1924. Serial No. 744,756. 5 Claims. (Cl. 102—4.)

1. A holder of the character described comprising a tubular inner casing open at its upper end and closed at its lower end, said inner casing being made of a non-metallic material having imperforate walls impervious to moisture, a tubular intermediate casing in which the inner casing fits, said intermediate casing being closed at its lower end and being made of metallic material, the body of the intermediate casing being foraminous, and an outer tubular casing closely covering the intermediate casing and being made of non-metallic material having imperforate walls impervious to moisture.

1,562,124. SKATE WHEEL. ALFRED T. RAUTENBERG, Seattle, Wash. Filed Feb. 17, 1925. Serial No. 9,763. 4 Claims. (Cl. 208—181.)

3. A roller skate wheel having a tubular axis, a wheel body mounted upon said axis and a hollow conical buttress mounted upon the tubular axis to provide a thrust bearing between the said axis and one side of the



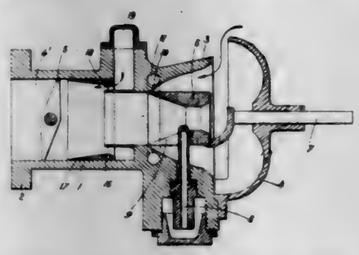


wheel body and also to form a grease reservoir, the tubular axis having a feed hole therethrough.

1,562,125. PROCESS FOR SEPARATING MOLYBDENUM FROM ITS ORE. WILLIAM H. RIDEOUT, Porthill, Idaho. Filed Mar. 13, 1924. Serial No. 699,146. 1 Claim. (Cl. 83—85.)

The method of separating molybdenum from its ore consisting in reducing the ore to a fine mass, adding water to the mass to form a pulp, adding two gallons of a composition to every one gallon of the pulp, the composition being made in the following proportions: for every one hundred gallons, water ninety gallons, paraffin ten gallons, soda, four ounces, lye one pound, then agitating the entire mixture, allowing the mixture to stand until the compound floats to the top thereof carrying the molybdenum therewith, and then withdrawing the compound and molybdenum from the mixture.

1,562,126. CARBURETOR. LÉON SAIVES, Billancourt, France, assignor to Louis Renault, Billancourt, France. Filed Apr. 20, 1922. Serial No. 555,763. 1 Claim. (Cl. 261—41.)



A carburetor for internal combustion engines comprising a casing having a longitudinal bore, said bore being enlarged adjacent one end to form an air chamber, a Venturi tube axially movable in said air chamber serving as a primary air inlet and controlling communication between said air chamber and said bore, means for discharging fuel into said Venturi tube, means for discharging fuel into said air chamber adjacent said Venturi tube, a second Venturi tube fixed within said bore in the rear of said adjustable Venturi tube, an auxiliary air chamber communicating with said bore between said Venturi tubes, and suction responsive means for controlling the supply of air to said auxiliary air chamber.

1,562,127. MEANS FOR REGULATING MOVING TORPEDOES. FRANCESCO SCHMID, Naples, Italy. Filed Nov. 11, 1924. Serial No. 749,352. 6 Claims. (Cl. 144—238.)

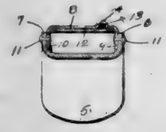
1. In a torpedo and torpedo tube, the combination with the organs of the torpedo that need regulation before firing, when the torpedo is in place in the tube, of a pinion placed in a recess on the torpedo shell, and a shaft fixed to the organ of the torpedo to be regulated, said shaft and pinion lying within the torpedo

shell, and a rotatable element supported by the torpedo tube and movable into mesh with the pinion located within said recess.

1,562,128. BRASSIÈRE. FLORENCE M. STANLEY, Lexington, Ky. Filed Feb. 12, 1923. Serial No. 618,570. 1 Claim. (Cl. 2—42.)

A garment of the class described comprising a substantially V-shaped inelastic breast engaging tape with the apex thereof extending downwardly and adapted to be located between the breasts of the user at the base thereof, an inelastic tape secured to the apex of said breast engaging tape and depending therefrom, and equipped with elastic branches having hose-engaging fasteners, a body encircling tape secured to the apex of said V-shaped tape to be passed around the wearer's body just below the bust, shoulder straps to extend over the outer portions of the shoulders the ends of said V-shaped tape being secured to said shoulder straps at the front of the garment opposite the arm pits of the user, said shoulder straps extending down substantially straight from the shoulders to lie at the sides of the bust and the shoulders adjacent the underarm portion of the user, said straps intersecting and secured to the body encircling tape, means connecting the back members of said straps, and hose supporters carried by said shoulder straps.

1,562,129. HORSE-COLLAR PAD. GEORGE P. STEDNER, California, Mo., assignor to William Heck Saddlery Company, California, Mo., a Corporation of Missouri. Filed May 28, 1925. Serial No. 33,342. 3 Claims. (Cl. 54—19.)



2. A horse collar pad comprising an arcuate bottom member having its longitudinol edges upturned, a top member having its longitudinal edges downturned, said

last mentioned edges adapted to fit snugly within and against the first mentioned edges whereby a tubular member having reinforced side walls is formed, a strap secured to each end of the top member, said straps adapted to secure the pad to a horse collar, and a longitudinally extending outwardly projecting rib formed integral with the top member adjacent one edge thereof.

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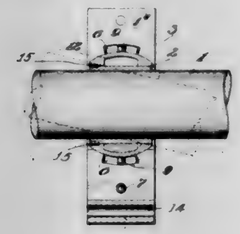
1,562,130. JOURNAL BEARING. BRUCE L. STITSINGER, Long Beach, Calif. Filed Dec. 13, 1923. Serial No. 680,421. 4 Claims. (Cl. 308—72.)



1. A bearing for shafts and the like comprising a support formed of complemental halves, a ball ground collar disposed within said support and providing a bearing for the shaft, recesses formed in the opposed surfaces of said halves cooperating to form a slot, and a pin provided upon said collar and extending into said slot so as to be movable therein, whereby said shaft and collar are capable of universal movement within said support but rotation of said collar with said shaft is prevented.

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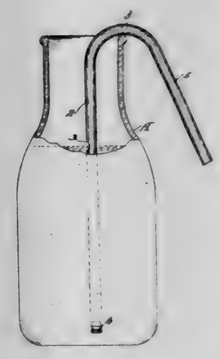
1,562,131. SELF-STARTING CREAM REMOVER. RENSSELAER H. TOLL, Long Beach, Calif. Filed July 30, 1924. Serial No. 729,126. 5 Claims. (Cl. 137—20.)



4. A siphoning device comprising a tube having a trunk part, a removable closure for the bottom end of said part, and a gooseneck for the upper end of the trunk; the said upper end having a liquid inflow below the goose-neck.

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1,562,132. BRAKE-BAND LINING-SECURING MEANS. EDWARD TRIST, Pittsburgh, Pa. Filed Feb. 25, 1924. Serial No. 695,014. 1 Claim. (Cl. 188—234.)

In combination with a brake shoe of open construction provided adjacent each end and centrally thereof with a transversely extending recess and openings extending through the shoe centrally of said recesses, T-bolts having their shanks extending through the shoe and being disposed so that the heads of the bolts are located within the recesses, a brake lining extending about the shoe with the shanks of the bolts extending through the lining and the heads transversely engaging the lining

within the recesses and nuts threaded upon the shanks of the bolts and bearing against the brake shoe upon the face opposite the recesses to provide a single transversely central pull upon the lining at points spaced around the shoe and uniformly tension the lining.

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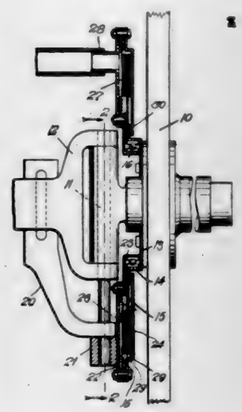
1,562,133. FRONT-WHEEL BRAKE FOR AUTOMOBILES. JOHN E. WOODBURY, Worcester, Mass. Filed Mar. 3, 1922. Serial No. 540,846. 9 Claims. (Cl. 188—152.)



1. In a front wheel brake for vehicles, the combination of a disc forming one element of the brake fastened on the front wheel, and another housing supported by the disc and provided with a friction element.

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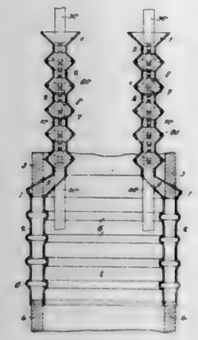
1,562,134. STRAINER FOR OIL PRESSES. HERMANN ZANDER, Stettin, Germany. Filed Apr. 9, 1921. Serial No. 460,067. 4 Claims. (Cl. 100—50.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

4. An improved strainer for oilpresses comprising in combination a number of superposed ring-shaped strainers, distance pieces between said individual ring shaped strainers, a pressure piston at the upper end of the column of ring-shaped strainers and a counter pressure piston at the lower end of said column, columns of tubular strainers comprising enlarged distance pieces between the individual narrow strainers and means for



alternately loosening and compressing the material to be compressed, said tubular columns being arranged above said ring shaped strainer column and conduits connect-



ing the outlets of said tubular strainer column with the inlets of said ring-shaped strainer column, supstantially as described and shown and for the purpose set forth.

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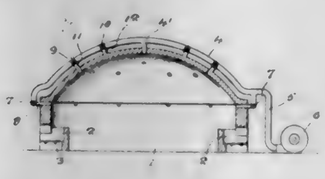
1,562,135. HEATING SYSTEM FOR KILNS. JAMES B. AGNEW and ABIRAM A. OEFFNER, Mount Union, Pa. Filed Mar. 12, 1925. Serial No. 15,144. 3 Claims. (Cl. 25—145.)



1. The combination with a down draft kiln, of a means for introducing air under pressure at varying angles through the top and sides of the kiln above the fire boxes thereof, for the purpose set forth.

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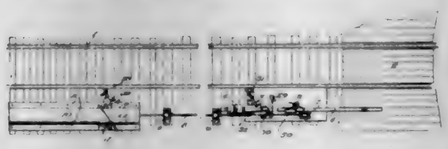
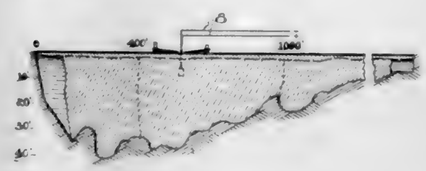
1,562,136. RAILROAD GATE. ARBY W. BAILEY, Iron River, Wis. Filed Nov. 18, 1924. Serial No. 750,687. 3 Claims. (Cl. 246—299.)



1. An apparatus for the purpose set forth comprising a gate mounted to be raised and lowered and normally held in a raised position, a cross head, a cable secured to and extending between the crosshead and the gate, a spring attached to the crosshead and tending constantly to move the same away from the gate whereby to lower the gate, a dog normally engaging the crosshead and restraining the action of the spring, and means whereby the dog will be released from the crosshead by a passing train to permit lowering of the gate.

1,562,137. METHOD OF LOOSENING ICE ACCUMULATIONS. HOWARD TURNER BARNES, Montreal, Quebec, Canada. Filed Mar. 18, 1925. Serial No. 16,557. 8 Claims. (Cl. 61—1.)



1. A method of combatting ice which consists in bringing into contact with it a hot mass adapted to give off a large quantity of heat at a very high temperature, the heat transference being sufficiently rapid to cause an explosive reaction between the hot mass and the contacting ice.

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1,562,138. ART OF PREPARING LUBRICANT-CARRIER MATERIAL. ARMAN E. BECKER, Newark, N. J., assignor to Standard Development Company, a Corporation of Delaware. Filed May 16, 1922. Serial No. 561,532. 5 Claims. (Cl. 308—243.)

5. The process of preparing a metallic lubricant-carrier, which comprises forming a coating on the surface of the metallic carrier by heating said carrier in the presence of a sulfur-containing oil.

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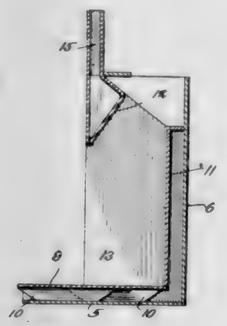
1,562,139. FUEL SAVER. RICHARD T. BERRY, Georgetown, Miss. Filed June 8, 1925. Serial No. 35,686. 2 Claims. (Cl. 126—121.)



1. A heating device adapted to be positioned in an open fireplace, and formed with a rear wall, side walls and a bottom wall, an inner member including a rear wall, side walls and a bottom wall spaced from the first mentioned walls to provide air passageways, flanges formed on the side walls of the inner member and engaging the side walls of the first mentioned member to hold the inner member in spaced relation, and means for dividing the space between the bottom walls into separate passageways.

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1,562,140. BILLBOARD. RICHARD L. BIRD and HEBER C. JEX, Salt Lake City, Utah. Filed Oct. 14, 1924. Serial No. 743,626. 3 Claims. (Cl. 40—125.)

1. A bill-board having a flush front face and made up of a plurality of duplicate poster panels, abutted edge to edge

each panel consisting of a skeleton frame and a metal sheet secured to the frame and having one edge portion

formed into a transversely straight flange extending across the back of and covering the joint between adjacent poster panels.

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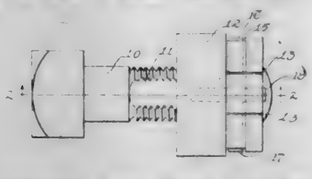
1,562,141. LOCK NUT. EDWARD BISBING, Somerset, Pa. Filed June 23, 1923. Serial No. 647,363. Renewed Aug. 14, 1925. 1 Claim. (Cl. 151—4.)



In combination, a bolt having a flat surface, a nut adapted to be threaded on the bolt and having transverse slots adapted to extend across the flat surface when the nut is tightened on the bolt, a locking element including a body portion adapted to be arranged in said slots with its terminals projecting beyond the sides of the nut and adapted to be bent against said sides, and extensions projecting from said body portion at a right angle thereto, one of said extensions being positioned between the nut and the flat surface of the bolt when the parts are associated, and the other extension projecting beyond the face of the bolt and adapted to be bent across the latter for the purpose specified.

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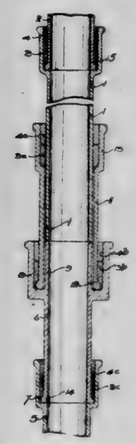
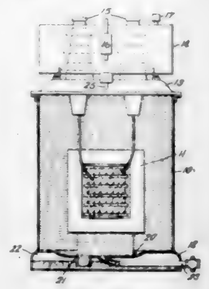
1,562,142. PIPE UNION. ISADORE BRACZIK, Detroit, Mich. Filed Sept. 26, 1924. Serial No. 740,055. 7 Claims. (Cl. 285—116.)



1. A pipe union of the class described comprising a tubular spacing member having a hub at one end, an annular groove and a concentric sleeve within said hub, and a male pipe connection adapted to fit into an ordinary pipe hub at the other end, in combination with a sliding member having one end adapted to seat in the hub of said spacing member and terminating at the other end in a hub.

1,562,143. ELECTRICAL APPARATUS. FREDERICK F. BRAND, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 11, 1921. Serial No. 483,728. 1 Claim. (Cl. 220—85.)



A casing for electrical apparatus containing a liquid insulating medium, said casing enclosing a compartment for the apparatus and having a base portion providing an expansion compartment below said apparatus compartment, and means providing communication between said compartments, the insulating liquid extending from said apparatus compartment into and partially filling said expansion compartment.

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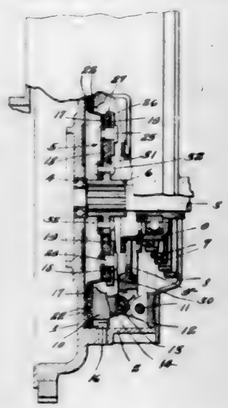
1,562,144. FRICTION CLUTCH. JOHN L. BURNS, Syracuse, N. Y. Filed July 17, 1923. Serial No. 652,167. 6 Claims. (Cl. 192—68.)



1. In a clutch, the combination of driving and driven elements, one of which is shiftable into and out of engagement with the other, and a shaft upon which one of the elements is mounted, said shaft being alined with and having a bearing in the other element, the element mounted on the shaft comprising inner and outer concentrically mounted spaced-apart sections, the outer section being spaced-apart from the shaft, and a comparatively stiff member of fibrous material between the sections, and means for securing said member to both sections.

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1,562,145. COMPOUND METAL AND METHOD OF MAKING THE SAME. CLARENCE P. BYRNES, Sewickley, Pa. Filed Mar. 1, 1921. Serial No. 448,897. 17 Claims. (Cl. 29—181.)

1. A metal product, comprising metal of a relatively high melting point cooled from a molten condition and containing granules of a higher melting point metal arranged in the relation to each other and to the lower melting point metal which results from natural gravity settling of the said granules through the lower melting point metal while it is in molten condition.

5. The method of making a compound metal product, consisting of mixing loose granules of one metal with another metal while the latter is in molten condition and causing the latter metal to encase said loose granules while they remain in granular form.



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1,562,146. ACCELERATOR FOR THE VULCANIZATION OF RUBBER. ADRIEN CAMBRON, Tottenville, N. Y., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed June 27, 1925. Serial No. 40,106. 10 Claims. (Cl. 18—53.)

1. A process for vulcanizing rubber which comprises combining the rubber with a vulcanizing agent and the steam blown reaction product of an aldehyde and an aromatic amine, and vulcanizing the rubber.

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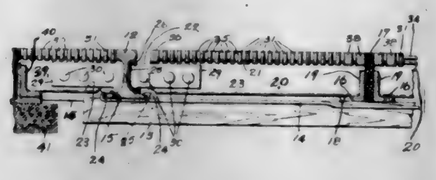
1,562,147. RAILWAY CROSSING. NEAL J. CAMPBELL, St. Louis, Mo. Filed June 20, 1925. Serial No. 38,580. 4 Claims. (Cl. 238—8.)



1. A railway crossing comprising a plurality of spaced apart supporting bars, a support for one end of said bars, means for supporting the other ends of said bars so that they may move vertically with a railway rail, and a road-way carried by said supporting bars.

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1,562,148. PUMP-ROD-HANDLING DEVICE. FRANK WILLIAM CARLSON, Oilfields, Calif., assignor of one-fourth to John Nelson Scarlett and one-fourth to Leland Erastis Axtell, both of Oilfields, Calif. Filed Dec. 2, 1924. Serial No. 753,532. Renewed Oct. 13, 1925. 4 Claims. (Cl. 254—29.)

1. A device of the character described comprising a manually operable lever having a part adapted to engage a shoulder of a stand of rods and a bodily movable pivot point for said lever, said pivot point being located closer to the rod engaging ends of the lever than the other end thereof and a means for suspending said pivot to adapt it to swing freely in all directions.



1,562,149. CARD GAME. HERBERT THOMAS COX, Los Angeles, Calif. Filed Apr. 2, 1925. Serial No. 20,238. 10 Claims. (Cl. 273—153.)

1. A card game consisting of a plurality of suit cards, a plurality of honor cards, and a plurality of directional cards, the last mentioned cards indicating the players who initiate the game.

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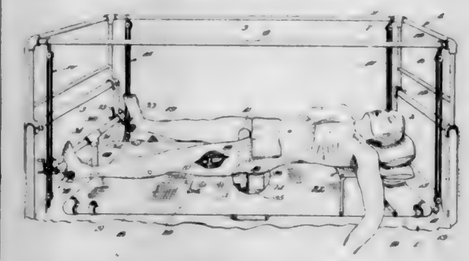
1,562,150. ORTHOPEDIC APPARATUS. WILLIAM L. DENTON, Randsburg, Calif. Filed May 14, 1924. Serial No. 713,214. 2 Claims. (Cl. 128—84.)



1. In an orthopedic device a leg stretcher and body support comprising a board adapted to rest crosswise upon a bed, a block extending upwardly from the board and adapted to support the lower end of a patient's spine, a removable post extending upwardly from the board beside the block, an adjustable extension bar extending horizontally from the board, a second post extending upwardly from the foot end of the extension bar, a cross bar at the upper end of the second post, supporting bearings pivotally connected to the ends of the cross bar, screws slidingly mounted through the bearings, hand cranks having nuts upon the screws behind the bearings, forks at the forward ends of the screws, clamping screws in the forks and adapted to engage a patient's feet so that when a patient is in position the legs may be stretched by operating the hand cranks.

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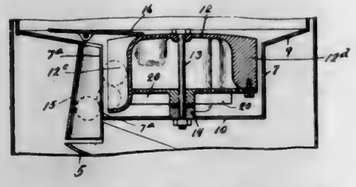
1,562,151. PROCESS OF EXTRACTING SUGAR FROM BEETS. INEO DE VECCHIS, Rome, Italy, assignor to Home and Colonial Investments Limited, London, England. Filed Dec. 5, 1923. Serial No. 678,782. 4 Claims. (Cl. 127—42.)

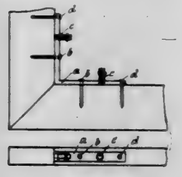
4. In a process of extracting beet sugar, the steps of converting the beets into cossets; heating the cossets to a temperature sufficient to dry and sterilize them; lixiviating the dried cossets to obtain a highly-concentrated, almost neutral sugar juice; adding lime to said juice to render it alkaline and precipitate the less complex dissolved albumenoids; adding calcium superphosphate to the juice to neutralize it; and then filtering the neutralized juice.

1,562,152. VENDING MACHINE. ARTHUR H. DU GRENIER, Haverhill, Mass., assignor of one-half to Harold B. Woods, Hudson, Mass. Filed June 10, 1924. Serial No. 719,081. 14 Claims. (Cl. 211—8.)



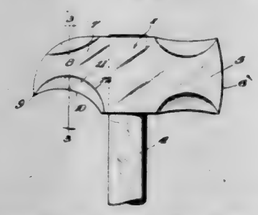
1. A vending machine comprising a magazine for the articles to be vended, a cylindrically shaped delivering tray mounted to rotate about a central vertical axis with its upper end forming a bottom portion of the magazine, and having a series of peripherally arranged article receiving chambers opening to the upper end of the tray and to the side thereof to permit the articles to pass from the magazine into said chambers and be laterally discharged therefrom, means carried by the tray, and disposed at the lower ends of said chambers, for supporting the articles therein, and means disposed adjacent the side of the tray to retain the articles in said chambers and to permit the same to be discharged laterally therefrom, successively, at a predetermined point.

1,562,153. DEVICE FOR TENSIONING MATERIALS ON FRAMES. ALWIN ELBERN, Mehlem/Rhein, Germany. Filed Feb. 27, 1925. Serial No. 12,189. 4 Claims. (Cl. 45—24.)



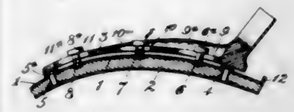
1. A device for tensioning material on a frame comprising an angle piece disposed in an angle of the frame, means for each arm of said angle piece adapted to prevent longitudinal sliding relative to its frame member and a screw having a blunt bearing surface contacting with a frame member in each arm of said angle piece adapted to press the inner sides of the frame away from each arm of the angle piece.

1,562,154. COMBINED AX AND BRUSH HOOK. CARL B. ERICKSON, Fond du Lac, Wis., assignor of one-half to Thomas Thompson, Iola, Wis. Filed Dec. 31, 1924. Serial No. 759,128. 1 Claim. (Cl. 7—1.)



A combined ax and brush hook comprising a head provided intermediate its length with a socket opening through its inner and outer side edge faces and adapted to receive a handle, one end portion of said head being sharpened at its end to provide a cutting edge, and the other end portion of the head having its end edge convexed and at one end merging into the outer edge face of the head and at its other end terminating short of the plane of the inner end of said socket, the inner side portion of the last-mentioned end portion of the head being concaved to provide an inwardly curved edge extending from the inner end of the socket and intersecting the said convexed end edge of the head, and said head being beveled along said concaved edge portion to provide a cutting edge.

1,562,155. TRANSMISSION BAND. DAVID W. ERNST, Flemington, N. J. Filed May 19, 1925. Serial No. 31,372. 2 Claims. (Cl. 188—249.)

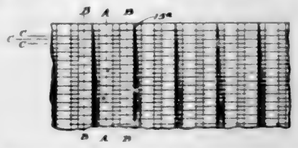


1. A device of the character described, comprising a band and ear for removable engagement with each other; and a brake lining designed to be carried by the band, the band having brass rivets extending downwardly for engagement with the brake lining to hold the same rigidly on the band; and having upwardly extending steel rivets for sliding engagement with the ear to removably hold the same on the opposite side of the band; said ear having openings enlarged at one end for the reception of the heads of the steel rivets, and having narrow portions extending rearwardly from said openings and adapted to receive the shanks of said steel rivets; one of said brass rivets being arranged to register with the enlarged portion of the forward one of said enlarged openings in the ear, with the head of the rivet projecting into said opening when the ear and band are in their normal position relatively to each other; whereby to cause said rivet head to form an obstruction to the movement of the ear on the band.

1,562,156. PROCESS FOR PURIFYING MINERAL OILS. JACOB F. FABER, Los Angeles, and HENRY C. HANNA and MARVIN L. CHAPPELL, El Segundo, Calif., assignors to Standard Oil Company, San Francisco, Calif., a Corporation of California. Filed Jan. 26, 1922. Serial No. 531,991. 6 Claims. (Cl. 196—145.)

1. A process of refining petroleum oils which consists in treating an oil with sulphuric acid, separating the treated oil from the acid sludge and neutralizing the treated oil in the presence of a petroleum carboxylic salt to prevent the formation of a persistent emulsion, said petroleum carboxylic salt being obtained by extracting petroleum carboxylic acids from crude petroleum oil by means of water solution of a metallic base, thus being free of sulphonated soaps.

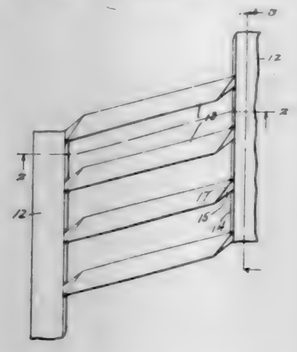
1,562,157. PRODUCTION OF EXPANDED SHEET METAL. HARVEY M. GERSMAN, Chicago, Ill. Original application filed May 27, 1921, Serial No. 473,062. Divided and this application filed June 1, 1923. Serial No. 642,871. 5 Claims. (Cl. 164—6.5.)



1. The method of producing expanded sheet metal which consists in slitting the blank, the slits being arranged in parallel transverse rows with the slits of one row in break-joint position relatively to the slits of the adjacent rows, longitudinally corrugating the blank to offset the rows of junction portions alternately at opposite sides of the mean plane of the sheet and expanding the blank so slitted and corrugated.

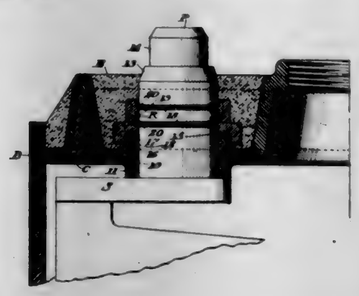


1,562,158. PRODUCTION OF EXPANDED SHEET METAL (HERRINGBONE TYPE). HARVEY M. GERSMAN, Chicago, Ill. Filed June 1, 1923. Serial No. 642,873. 6 Claims. (Cl. 164—6.5)



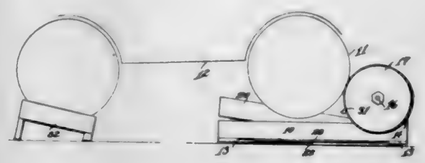
1. The method of producing expanded metal from a flat sheet having parallel imperforate portions and a row of similarly arranged slits between each pair of adjacent imperforate portions, each slit terminating at differently located points along the edges of the imperforate portions between which it extends, which consists in corrugating the slitted sheet to form a complete blank and in expanding the blank by the application of stretching force in a direction of its mean plane and wherein the corrugations of said blank are arranged in the directions of said imperforate portions and are so formed and related to said imperforate portions and slits that upon the application of the stretching force the imperforate portions will be produced as spaced parallel webs and the portions of the metal between the slits will be produced as strands lying flat in a common plane and bent from offsets located at corresponding sides of said webs in planes normal to the common plane of said strands.

1,562,159. POST AND COVER SEAL. WALTER E. GOSSLING, New York, N. Y., assignor to The Prest-O-Lite Company, Inc., a Corporation of New York. Filed July 30, 1920. Serial No. 400,011. 14 Claims. (Cl. 136—168.)



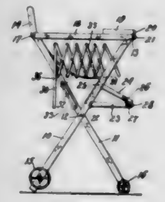
10. The method of sealing a storage battery terminal post in the opening in the cell cover through which it projects, which comprises providing an integral flange of compressible material on the cover adjacent said opening, and forcing such flange inwardly against a terminal post in said opening.

1,562,160. AUTOMOBILE POWER JACK. DAVID GUDEMAN, Francesville, Ind. Filed July 28, 1924. Serial No. 728,732. 2 Claims. (Cl. 74—106.)



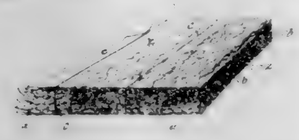
1. An automobile power jack including a base, tracks on the base, a power shaft disposed on one end of the base and having friction wheels thereon arranged above said tracks, rockable means on the base adjacent the power shaft, automobile axle engaging members movably carried by the rockable means, a rock shaft on the base beneath the rockable means and having means in lifting engagement with the rockable means, means for rocking the rock shaft, and means on the lifting means for engagement with the rockable means for preventing lateral movement of the latter.

1,562,161. CONVERTIBLE FURNITURE. SAMUEL GUTERMAN, New York, N. Y. Filed Mar. 20, 1925. Serial No. 17,103. 2 Claims. (Cl. 155—38.)



1. A convertible chair and baby carriage comprising a supporting frame including a pair of spaced apart side members pivotally and transversely connected together between their ends, each of said members consisting of two bars crossed at their pivots, a chair back carried by one pair of said bars, arm rests pivoted to said last mentioned pair of bars adjacent said chair back, a transversely extending table portion connecting said arm rests, said arm rests and table portion being adapted to rest upon the other pair of said bars or to form an extension of said chair back, a web secured to said chair back, a foot rest carried by that pair of said supporting bars upon which said arm rests and table portion are adapted to rest, the free end of said web being adapted to be secured to said foot rest to form a chair seat or to the upper ends of those supporting bars to which said foot rest is attached when said supporting bars are extended to form a baby carriage, whereby said web constitutes a bed bottom.

1,562,162. BUILT-UP PIGSKIN-CUTTING BLOCK. HAROLD M. GUSDORF, Indianapolis, Ind. Filed Sept. 19, 1924. Serial No. 738,709. 4 Claims. (Cl. 164—58.)



1. A cutting block formed out of a plurality of pigskin leather members such that the edges of the members form the cutting surface of the block.

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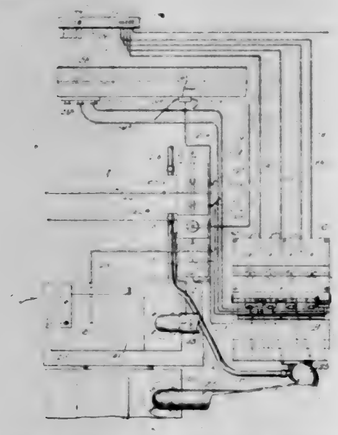
1,562,163. MECHANISM FOR REGULATING THE EXPRESSION IN APPARATUS FOR PLAYING MUSICAL INSTRUMENTS. STILLWELL R. HARCOURT, Chicago, Ill., and OSCAR H. ANDERSON, Grand Haven, Mich., assignors to Story & Clark Piano Co., Grand Haven, Mich., a Corporation of Illinois. Filed Jan. 25, 1924. Serial No. 688,404. 21 Claims. (Cl. 84—39.)



1. In a device of the character described; a perforated music sheet; a tracker-board having apertures controlled by the perforations in the music sheet; a striker-pneumatic; a stack communicating with the striker-pneumatic; a wind-chest; communication between the wind-chest and the stack; a crest valve in the communication between the wind-chest and the stack; a plurality of bleeds; an air connection between each bleed and the wind-chest whereby atmospheric air may be bled into the wind-chest through said bleed; a bleed valve in each of the connections between the bleeds and the wind-chest; means operated by the perforations in the music sheet for opening the crest valve and opening the bleeds.

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1,562,164. PROCESS OF COATING ELECTRODES. JAMES E. HARRIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 4, 1920. Serial No. 363,301. 3 Claims. (Cl. 204—19.)

1. The method of applying an alkaline earth metal oxide coating to a metal, the oxide of which is combinable with alkaline earth metal compounds to form compounds not reducible to alkaline earth metal oxide upon heating in vacuum, said method comprising preparing an electrolyte composed of an alkaline earth metal compound, arranging in said electrolyte a filament of the metal to be coated and electrolytically depositing on said filament an alkaline earth metal coating which is convertible, in part at least, to alkaline earth metal oxide upon exposure to air.

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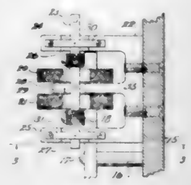
1,562,165. ACOUSTIC DEVICE. HENRY C. HARRISON, Port Washington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 17, 1923. Serial No. 652,015. 17 Claims. (Cl. 179—108.)



1. In a sound reproducing system, a diaphragm, a magnet, an armature for said magnet operatively connected to the diaphragm, and means for substantially balancing the magnetic pull on the armature in all positions.

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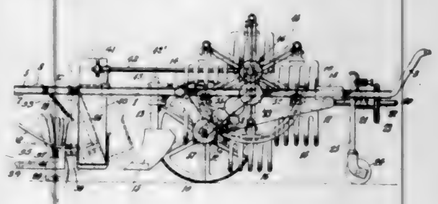
1,562,166. BEET TOPPER. WILLY HARTENSTEIN, Darmstadt, Germany, assignor to Josephine Aman, Los Angeles, Calif. Original application filed Aug. 27, 1921, Serial No. 495,926. Divided and this application filed Oct. 15, 1924. Serial No. 743,686. 6 Claims. (Cl. 55—107.)



2. In a harvester for beets, and the like, a framework, beet topping means pivoted at the forward portion thereof and adapted to swing rearwardly and upwardly, resilient means for holding the topping means in a normal forward position, and guide means associated with the topping means.

6. A beet harvester comprising a frame and topping means on the frame, a container for catching the tops from the topping means, and a vibrating shovel in the container for constantly emptying the container.

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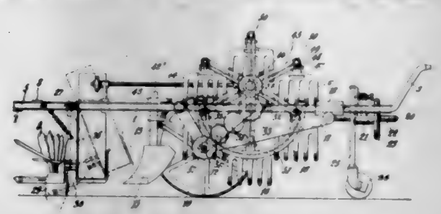
1,562,167. BEET HARVESTER. WILLY HARTENSTEIN, Darmstadt, Germany, assignor to Josephine Aman, Los Angeles, Calif. Original application filed Aug. 27, 1921, Serial No. 495,926. Divided and this application filed Nov. 24, 1924. Serial No. 751,732. 3 Claims. (Cl. 55—108.)

1. In an agricultural machine, a framework, a pair of depending links pivoted at their upper ends to the opposite sides of the framework, an axle in the lower end of each link, a wheel on each axle for supporting the framework, a longitudinally shiftable member on the framework, a second pair of links pivoted at one end to said member and each pivoted at its other end to one of the axles, means for moving said members to raise and lower the framework on the wheels, a shaft on the framework, an agricultural machine on the shaft,





a pair of pivotally connected links extending between the shaft and an axle, and a train of gear wheels connecting the shaft and axle and carried thereby and by said pivotally connected links.

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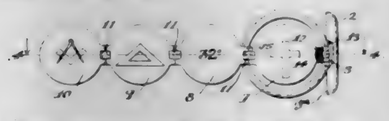
1,562,168. LOCKET. JAMES M. HARVEY, Los Angeles, Calif. Filed May 18, 1923. Serial No. 639,852. 1 Claim. (Cl. 63—19.)



A locket comprising two concavo-convex cover members hinged together, a link incorporated in the cover hinge, a series of display units, each unit having two arms projecting from the sides thereof, links having their ends positioned between the arms, pivot pins passing through each pair of arms and through the end of the link therebetween, thus forming double pivot hinges between adjacent units, and an end unit being hingedly connected to the link incorporated in the cover hinge, all of the units being capable of assuming positions in alignment and of being enclosed between said cover members.

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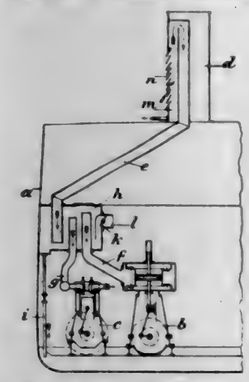
1,562,169. DEVICE FOR THE ADMISSION OF AIR TO INTERNAL-COMBUSTION ENGINES ON BOARD SHIPS. WILHELM HEFTI, Wulflingen, Switzerland, assignor to The Firm of Gebrüder Sulzer Aktiengesellschaft at Winterthur. Filed Oct. 12, 1923. Serial No. 668,128. 9 Claims. (Cl. 123—119.)



1. An air supply system for internal combustion engines on board ships comprising an air supply conduit for conducting air from an inlet to the engine, a relatively large air tank located in the interior of the ship and interposed between the inlet and the engine, said tank being of fixed capacity and having a sectional area materially larger than the sectional area of said conduit, stationary means in said tank for causing the air to change its direction of motion as it passes through the tank whereby the tank serves as a silencer and also to arrest dust and water and to equalize fluctuations and sudden variations in the air pressure, and a plurality of air admission pipes associated with said tank and leading to different portions of the ship to ventilate the same.

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1,562,170. PROCESS OF MAKING ORNAMENTAL ARTICLES. ADOLPH M. HOLSTEIN, Syracuse, N. Y. Filed May 25, 1921. Serial No. 472,591. 4 Claims. (Cl. 144—309.)

1. The process of making ornamented legs, standards etc. for furniture, cabinets and the like, and other woodwork, consisting in turning a stick of less diameter than the ornamented finished article to the desired form and up to the outline of ornamental pieces to be placed on unturned portions of faces of the stick and then mounting such ornamental pieces on the unturned faces.

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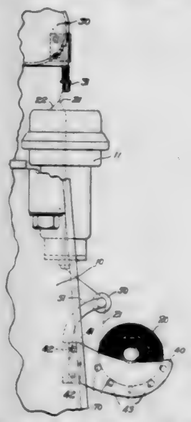
1,562,171. STRAND-WORKING MACHINE. HENRY GOODWIN HOORNBEEK, Springfield, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 11, 1923. Serial No. 680,023. 1 Claim. (Cl. 242—132.)



A holder for supply cops of strand working machines, comprising a cradle composed of rigidly fixed end pieces and interconnecting spaced rods arranged in an arc to

support the cop horizontally at spaced points on its peripheral surface, the said arc of the cradle being such as to expose at least half of the periphery of a full cop to be used with said machines, and the cradle being materially longer than said cop whereby the cop is free to slide longitudinally of the rods.

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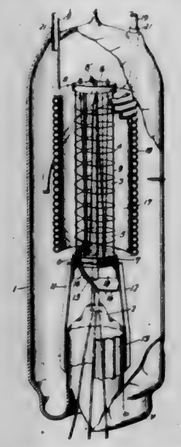
1,562,172. ELECTRON-DISCHARGE DEVICE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 30, 1920. Serial No. 406,921. 6 Claims. (Cl. 250—27.)



1 An electron discharge device comprising a containing vessel, an electrode within said vessel in the form of a hollow cylinder, said electrode being formed of a plurality of closely spaced convolutions of circular tubing adapted for the flow of circulating medium therethrough, the interior faces of said convolutions being filled in with a material capable of being machined, and a second electrode within said first electrode.

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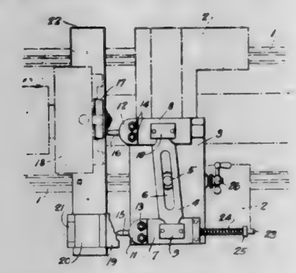
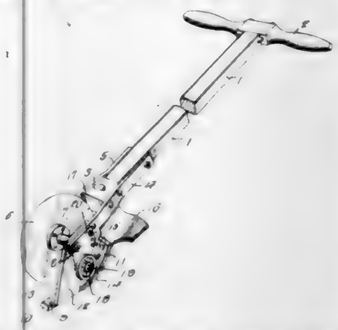
1,562,173. LATHE. ANTONIO COSTA HUGUET, Buenos Aires, Argentina. Filed June 1, 1922. Serial No. 565,041. 2 Claims. (Cl. 82—14.)



1. In a machine of the class described, the combination of a slide block, a plate supported thereon, a pair of members carried by said plate and slidable in parallelism thereon, one of said members being adapted to carry a tool and the other to support a center guide, a pivoted link connection between said slidable members, the pivotal point of said link being adjustable, means for supporting a pattern on the frame of the machine in position to be followed by said center guide, said means being adjustable to vary the position of the pattern relatively to the guide, and means for constantly urging said center guide against the surface of the pattern.

1,562,174. LAWN TRIMMER. PETER W. JOHNSON, Coeur d'Alene, Idaho. Filed Aug. 27, 1924. Serial No. 734,454. 4 Claims. (Cl. 97—227.)



1. A lawn trimmer comprising a circular blade, a frame in which said blade is rotatably mounted, said frame having a flaring flange offset on one side thereof, and having a downwardly curved portion, a shoe attached to said curved portion, and an integral bracing member on said shoe.

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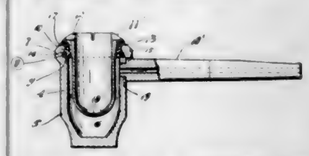
1,562,175. TOBACCO-SMOKING PIPE. JOHN KERCHER, Chicago, Ill. Filed July 26, 1924. Serial No. 728,285. 2 Claims. (Cl. 131—12.)



1. In a tobacco pipe, the combination with an outer bowl and an inner bowl, of a ring member removably set in the outer bowl and projecting from the inner surface thereof, a threaded region which is inclined inwardly and downwardly carried by the inner bowl and adapted to co-operate with said ring, and to have a wedging action thereon, and means receptive of a turning instrument formed in the top of the inner bowl, substantially as described.

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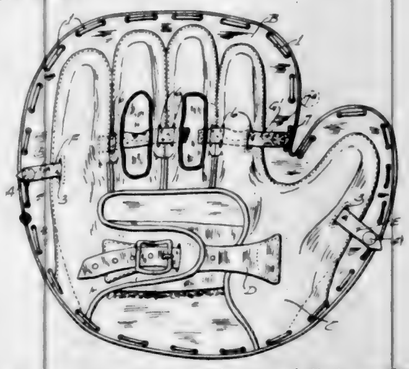
1,562,176. BASEBALL MITT. HARRY B. LATINA, East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed May 7, 1924. Serial No. 711,611. 10 Claims. (Cl. 2—19.)



1. A baseball mitt, comprising a pad that constitutes the front portion of the mitt, a hand portion combined with said pad, and loops in said hand portion through



which the thumb and little finger of the user's hand are adapted to be inserted each of said loops comprising a top piece, a bottom piece and a connecting portion for joining said pieces disposed so that the part of the user's hand positioned in the loop will naturally exert pressure on said connecting portion when the mitt is in use.

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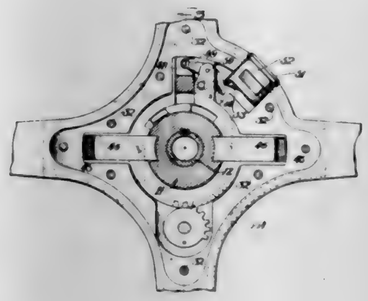
1,562,177. STEERING-WHEEL LOCK. LEROY C. LAZEAR and FRANK S. LAZEAR, Chicago, Ill. Filed May 23, 1921. Serial No. 471,783. 12 Claims. (Cl. 70—129.)



10. In combination with a steering post, a wheel carried thereby, means for locking the wheel to the post comprising a locking bolt arranged to move toward and from the post to engage therewith, a cam device mounted for rotation co-axially of the wheel and for moving the locking bolt in one direction, and spring means working through the cam device for moving the locking bolt in the other direction, substantially as described.

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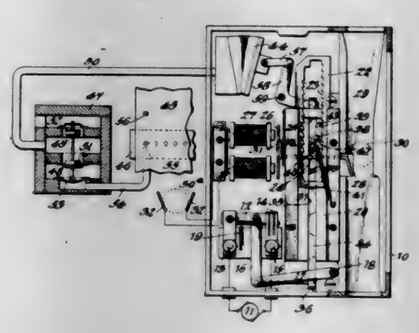
1,562,178. DEVICE FOR CONTROLLING COIN-OPERATED INSTRUMENTS AND MACHINES. FRANK L. MCCORMICK, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y., a Corporation of New York. Filed July 14, 1921. Serial No. 484,616. 3 Claims. (Cl. 194—9.)



1. In a device of the character described, the combination of a coin chute, a motor-controlling switch-member, an intermittently-movable slide controlling said switch-member, and a reciprocating detent device co-operating with said slide for controlling its movement, said detent device being operated by the weight of a coin and having an inclined trip member projecting into the coin-path of said coin-chute.

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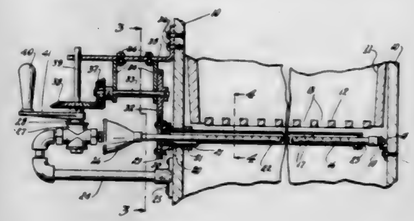
1,562,179. FUEL LIGHTER. RALPH MENOTTI, Chicago, Ill., assignor of 30 per cent to John Silvestro and 30 per cent to Achille Menotti, both of Chicago, Ill. Filed Dec. 26, 1924. Serial No. 757,998. 7 Claims. (Cl. 158—10.)



7. In a stove having a grate, a perforated tubular gas burner mounted underneath said grate, a tubular housing to cover said burner and having a slit registerable with said perforations, an inlet conduit connected to said burner and having a control valve therein, and a handle connected to said control valve and provided with gear means to simultaneously close said valve and cover said perforations or to open said valve and turn said housing to register said slit with said perforations.

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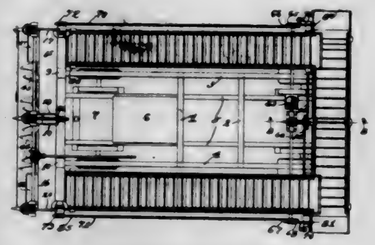
1,562,180. SNOW-REMOVING MECHANISM. VAN P. MILLER, Chicago Heights, Ill. Filed Jan. 20, 1921. Serial No. 438,588. 13 Claims. (Cl. 37—41.)



1. The combination with an automotive vehicle, of a mechanism for removing snow from highways removably mounted thereon, said mechanism comprising guidable snow engaging means at the front of the vehicle a conveying mechanism therefrom and snow discharging means at the rear of the vehicle.

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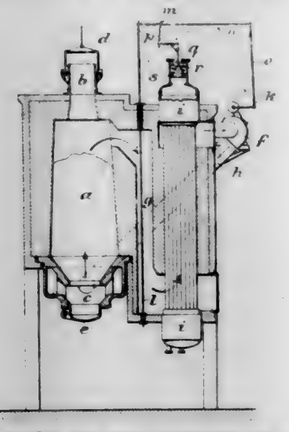
1,562,181. COOLING PLANT FOR COKE. ARNOLD MORTELLI, Winterthur, Switzerland, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland, a Corporation of Switzerland. Filed Aug. 14, 1923. Serial No. 657,284. 2 Claims. (Cl. 236—17.)

1. In an apparatus for cooling incandescent coke by means of gases forced by a motor driven blower through the charge of coke in a container and through a boiler, the combination of the motor with a device for varying the speed of the motor, said device being automatically controlled by a thermostat under the influence of the

mean temperature of the coke and by a regulating device under the influence of the steam produced in the boiler, whereby the blower is so driven that the speed of the



cooling gases and the heat transmitted to the boiler corresponds at all times to the heat required by the boiler.

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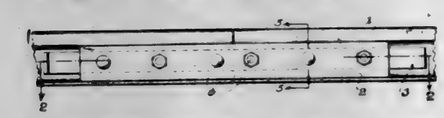
1,562,182. RAIL-JOINT CONNECTION. HARRY R. MYERS, New York, N. Y. Filed Apr. 16, 1925. Serial No. 23,591. 7 Claims. (Cl. 238—259.)



7. A rail joint comprising a fish plate, a concavo-convex spring disposed between the rails and the fish plate, and means for holding the fish plate in position against the force of the spring.

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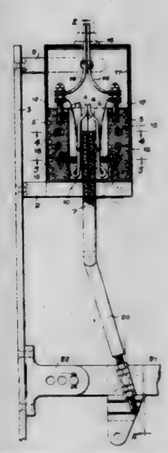
1,562,183. ELECTRIC SWITCH. CLIFFORD NORTON, South Orange, N. J., assignor to Graham & Norton Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 2, 1923. Serial No. 616,485. 10 Claims. (Cl. 200—151.)



3. In an electric switch, a bipartite or sectional block of insulating material, the opposing or meeting faces of which are provided with countersunk grooves or recesses combined with circuit closing members mounted in the countersunk portions of said grooves and a circuit breaking member of insulating material working in guides formed by the wider portion of said grooves.

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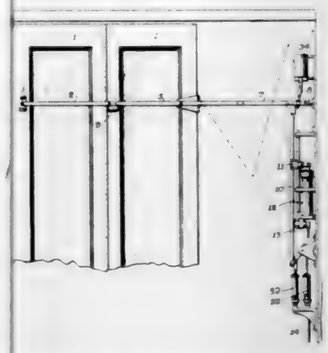
1,562,184. MEANS FOR OPERATING ELEVATOR CAR AND SHAFT DOORS. CLIFFORD NORTON, New York, N. Y., assignor to Graham & Norton Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 17, 1925. Serial No. 2,979. 8 Claims. (Cl. 187—52.)



5. In apparatus for simultaneously opening and closing elevator car doors and shaft doors, the combination of a power controlling member for the car door mechanism, an operating member connected to said power controlling member and an actuator therefor mounted on a stationary support at the landing and carried by a member of the shaft door operating mechanism operable from the car when the same is at the landing.

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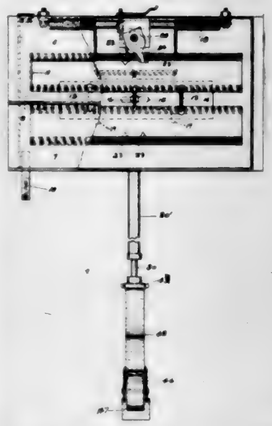
1,562,185. STREET INDICATOR. JAMES S. PAXTON, Chicago, Ill. Filed July 26, 1924. Serial No. 728,361. 8 Claims. (Cl. 40—45.)



1. A street indicator comprising a reversible support; guides on said support consisting of two parallel wire guide loops extending first outwardly and downwardly from said support and then inwardly and downwardly to said support; perforated indicator plates slidable on said loops, opposite sides of said plates being marked with the names of streets and said plates being arranged in the order in which said streets occur; and means controlling the movements of said plates on said loops, substantially as described.



1,562,186. ATTACHMENT FOR REFLECTORS. EDWIN H. POWELL and ALBERT R. HOMER, Cleveland Heights, Ohio. Filed Sept. 22, 1921. Serial No. 502,440. 1 Claim. (Cl. 240—48.4.)

The combination with a reflector having a curved surface and provided with an outer rim and a lamp centrally disposed therein, of a member having a flange portion which engages with a portion of the surface of the reflector and clips formed by spaced hook shaped tongues integral with the flange, said clips projecting outwardly from the outer edge of the flange and adapted to engage with the rim of the reflector to detachably secure said member thereto, said member also having a portion with a curved surface which extends transversely between opposite wall portions of the reflector and in front of said lamp.

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1,562,187. VACUUM-TUBE SOCKET. JOHN W. RADU, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 10, 1920. Serial No. 431,224. 1 Claim. (Cl. 173—328.)

A vacuum tube socket comprising a shell, a disc of insulating material arranged within said shell, a plurality of contact members, each contact member having one end attached to one side of said disc and comprising a resilient strip bent to form a bow portion with its ends in alignment, the free end of each contact member being spaced from the opposite face of said disc, each contact member being arranged at right angles to the adjacent contact members and along a chord of the disc.

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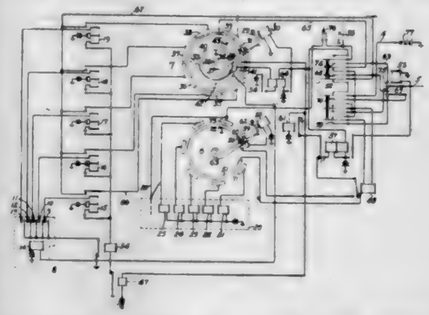
1,562,188. SELECTING SYSTEM. PAUL M. RAINEY, Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 17, 1920. Serial No. 404,212. 2 Claims. (Cl. 178—33.)

1. A printing telegraph system comprising a line and a plurality of stations connected by said line, periodically rotating transmitting and receiving distributors at each of said stations, a relay normally connected in said line for controlling the operation of said receiving distributor, a relay adapted to be energized by said receiving distributor and thereafter controlled by said



transmitting distributor, and a further relay responsive to the operation of said second-mentioned relay for disconnecting said first mentioned relay from the line and connecting said transmitting distributor thereto.

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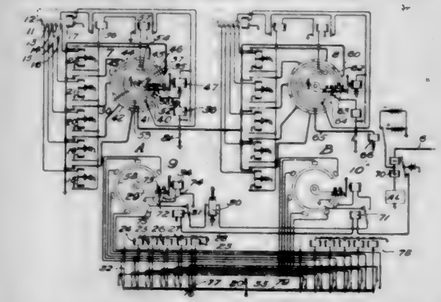
1,562,189. PRINTING-TELEGRAPH SYSTEM. PAUL M. RAINEY, Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 30, 1921. Serial No. 525,987. 4 Claims. (Cl. 178—2.)



1. In a printing telegraph system, the combination of a line, a plurality of transmitting distributors and a plurality of receiving distributors cooperating with said line, an impulse responsive relay common to said transmitting distributors, means for causing said relay to respond to selections received from a particular one of said transmitting distributors alone, a plurality of recorders and means for associating any of said recorders with any of said receiving distributors.

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1,562,190. SNAP FASTENER. DANIEL I. REITER, New York, N. Y., assignor to Rau Fastener Company, Providence, R. I., a Corporation of Rhode Island. Filed Feb. 7, 1924. Serial No. 691,131. 3 Claims. (Cl. 24—216.)

1. A resilient socket adapted to serve as one element of a separable fastener, said socket comprising a ring having a yielding inner portion and a relatively unyielding outer portion, an annular mounting member having

an opening concentric with said ring and of a diameter greater than the internal diameter of said ring, and a plurality of tongues, engaging the relatively unyielding portion of said ring to hold said ring and mounting member in associated relation, said tongues being formed by striking up portions of the material of said mounting member near its outer periphery and thus providing a series of spaced openings to receive fastening elements of a socket attaching means.

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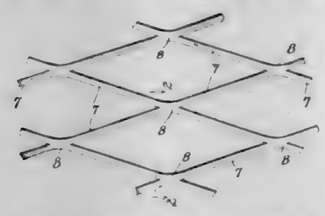
1,562,191. EXPANDED-METAL FABRIC. CHARLES STOWE RENO, New York, N. Y. Filed Dec. 12, 1921. Serial No. 521,613. 3 Claims. (Cl. 72—117.)



1. A sheet of metal fabric consisting of integrally connected, laterally stretched metal strands terminating in bridges having a width substantially equal to double the width of the strands, the strands and bridges being disposed in inclined planes relative to each other and the general plane of the fabric and the thickness of the sheet between its outer faces being considerably less than the width of the bridges.

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1,562,192. WINDOW-SHADE GUIDE. CHARLES E. ROWE, near Dayton, Ohio. Filed Feb. 18, 1924. Serial No. 693,460. 2 Claims. (Cl. 156—29.)

1. A guide for a shade attached to a pole, consisting of a split ferrule having a slitted flange on one end, and adapted to be slipped over said pole until a side edge of the shade projects through its split portion into engagement with said flange for the purpose specified.

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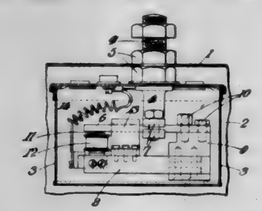
1,562,193. SUBMARINE SOUND SIGNALING OR INDICATING APPARATUS. CYRIL PERCY RYAN, East Molesey, England, assignor to Vickers Limited, Westminster, England, a British Company. Original application filed Jan. 12, 1924, Serial No. 685,904. Divided and this application filed Mar. 19, 1925. Serial No. 16,685. 3 Claims. (Cl. 177—386.)



1. In a submarine sound receiving apparatus, a diaphragm sensitive to submarine sound vibrations, a reed secured rigidly to the said diaphragm, a magnet fixed at one end upon one end of the said reed, magnet poles extending toward and close to the opposite end of the said reed, which is free and is situated on the other side of its point of attachment to the diaphragm, and coils mounted upon the said magnet poles upon the side of the magnet adjacent to the said reed and connected up in the receiving circuit.

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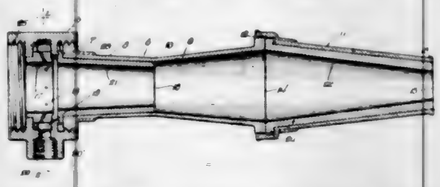
1,562,194. NOZZLE. JOHN V. SCHAEFER, Chicago, Ill., assignor to Cement Gun Construction Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 10, 1923. Serial No. 618,210. 1 Claim. (Cl. 91—44.)



A nozzle having a plurality of adjoining sections, each section having a uniformly tapered bore, with alternate sections tapered in the same direction and arranged to contract and alternately expand a stream flowing therethrough; relatively soft linings for said converging sections and a screw joint at each larger end of said contracted sections adapted for connection with another section.

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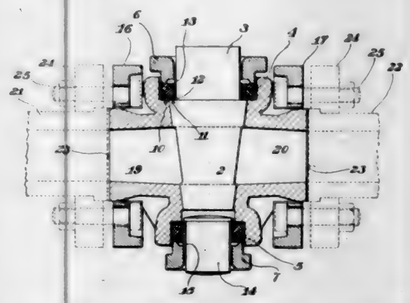
1,562,195. VALVE. PEIRCE D. SCHENCK, Dayton, Ohio, assignor to The Duriron Company, Inc., a Corporation of New York. Filed Jan. 18, 1924. Serial No. 687,101. 5 Claims. (Cl. 251—103.)



1. In combination in a plug valve, a valve casing having a tapering seat, and a packing recess terminating in a shoulder, a tapering plug fitting the seat and having a stem with a shoulder at the juncture of the plug and stem opposite said first shoulder in alignment therewith, a metal ring lying in said recess and engaging both of said shoulders, packing means filling the recess on the outer side of said ring, and a follower arranged to apply pressure to the packing at its outer portion, but out of contact therewith at its inner portion.

5. In combination, an integral valve body of relatively brittle corrosion resisting metal having tubular inlet and outlet members projecting from opposite sides thereof, a valve in the body extending transversely of said members, a clamping plate on each side of the valve body of relatively strong, tough metal surrounding said inlet and outlet members, bolts extending between the two plates securing them together and clamping the valve body tightly therebetween, each of said plates being provided with perforations so that it may be bolted to the flange plate of an opposing pipe connection, and the ends of said inlet and outlet members projecting through said clamping plates to permit them to be brought into abutting relation with the ends of said pipe connections.



1,562,196. HOLDER FOR CARRYING PIG LEAD. HARRY ABRAMS, Syracuse, N. Y. Filed May 15, 1925. Serial No. 30,575. 1 Claim. (Cl. 206—65.)

A holder for carrying pig lead, consisting of a wire having one end bent into the form of an ellipse with a portion of the ellipse flattened to form a handle and the end of the wire bent around the main body of the wire, the other end of the main body of the wire being bent back on itself and twisted around to permit of its convenient insertion through the channels through a series of lead blocks, the lower end of the wire being bendable to a position at right angles to the main body of the wire to form an approximately T-shaped retaining element.

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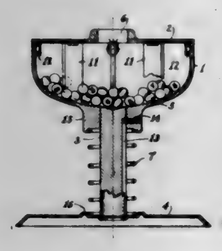
1,562,197. PLAYING GAME. JOHN P. ANDREW, North Pelham, N. Y. Filed Feb. 28, 1924. Serial No. 695,739. 10 Claims. (Cl. 273—144.)



1. In combination, a stationary post, a container supported by the post for movement from a normal position near the top of the post to a position near the base of the post, means for returning the container to normal position after movement thereof, and game units in the container engageable by the top of the post when the container is in normal position, said post when the container is moved from normal position passing through the container and carrying with it a game unit.

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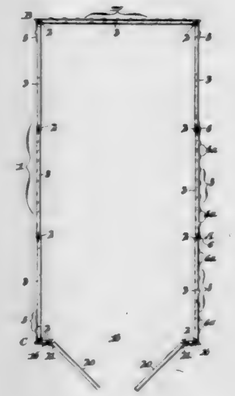
1,562,198. METALLIC BUILDING STRUCTURE. EDWARD J. BAILEY, Jr., Philadelphia, Pa. Filed Nov. 30, 1923. Serial No. 677,847. 5 Claims. (Cl. 189—1.)

1. A metallic building structure including in combination a skeleton frame of angle section uprights and connecting horizontals, the latter having one of their flanges cut away at opposite ends for convenience of attachment to the uprights, wall panels of sheet metal adapted to be hung to the frame, said panels having their opposite ends corrugated with extended marginal flanges, said corrugations adapted for overlapping corresponding end corrugations of contiguous panels, and means for securing the marginal flanges of the corrugations to the portions of the respective panels lapped by them and to the skeleton frame.



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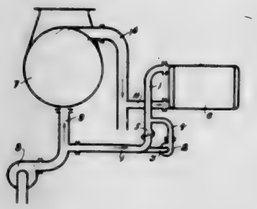
1,562,199. RADIATING OR COOLING APPARATUS. KARL BAUMANN, Urmston, England, assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 4, 1920. Serial No. 408,197. 8 Claims. (Cl. 257—24.)



1. In combination with a cooler, a supply conduit for the cooler, a circulating pump to force cooling fluid through the conduit and cooler, and a pump located in the conduit between the circulating pump and said cooler and acting only on a part of said cooling fluid to increase the velocity of flow of said cooling fluid through the cooler to increase its cooling capacity.

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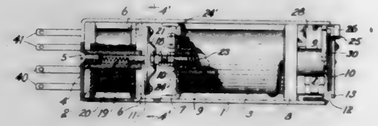
1,562,200. ELECTROMAGNETIC DEVICE. WILLIAM O. BECK, Ridgefield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. a Corporation of New York. Filed Aug. 29, 1923. Serial No. 659,881. 12 Claims. (Cl. 175—320.)

12. In combination, a U-shaped magnetic structure, electromagnets enclosed therein, a shaft movable within

the core of one of said electromagnets and attached to the armature of another of said electromagnets, and a



ratchet mechanism jointly controlled by both of said electromagnets for operating a switch.

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1,562,201. METHOD OF PRODUCING MOLYBDENUM AND VANADIUM ALLOYS. JOHN J. BOERICKE, Merion, Pa. Filed May 26, 1920. Serial No. 384,311. Renewed Sept. 25, 1925. 2 Claims. (Cl. 75—17.)

1. The herein described process of producing high percentage alloys of molybdenum or vanadium which consists in reducing an alumino-thermic mixture consisting of the molybdenum or vanadium compound, the alloying metal, a reducing metal, and a quantity of indifferent flux materially in excess of that for the purposes of standard alumino-thermic practices.

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1,562,202. METHOD OF FORMING METALLIC COMPOSITIONS. HENRIK BOVING, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 1, 1922. Serial No. 565,232. 1 Claim. (Cl. 176—132.)

The method of combining an alkaline earth metal with a refractory metal having a higher volatilizing temperature which comprises forming from the refractory metal a body having a large ratio of surface to volume, vaporizing the alkaline earth metal, and exposing said refractory metal to the vapor of the alkaline earth metal at a temperature lower than the melting point of the combined metals.

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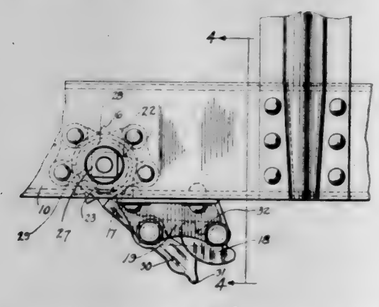
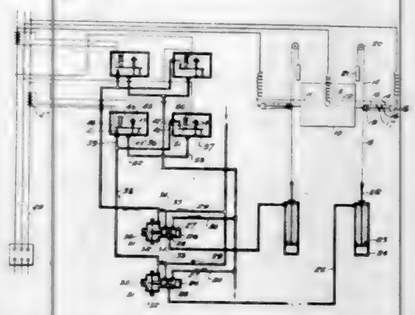
1,562,203. CAR-DOOR-OPERATING MECHANISM. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 28, 1924. Serial No. 709,331. 13 Claims. (Cl. 105—310.)



1. In a railway car, the combination with the side wall thereof; of a shaft extending across the plane of the side wall; a ratchet wheel on the shaft disposed inwardly of the side wall; a pawl coacting with the ratchet; and means carried by the end of the shaft and disposed outside of the side wall of the car for the purpose of imparting rotation to shaft, said shaft rotating means being adapted to have movement in one direction independent of the movement of the shaft.

1,562,204. ELECTRIC-FURNACE CONTROL. RAGNAR CARLSTEDT, Stockholm, Sweden, assignor to Arca Regulators Incorporated, a Corporation of Virginia. Filed June 24, 1924. Serial No. 722,046. 11 Claims. (Cl. 204—64.)



7. In combination, an electric furnace, electrodes for said furnace, automatic means to move said electrodes together upon decrease of amperage and to move said electrodes apart when the voltage is zero.

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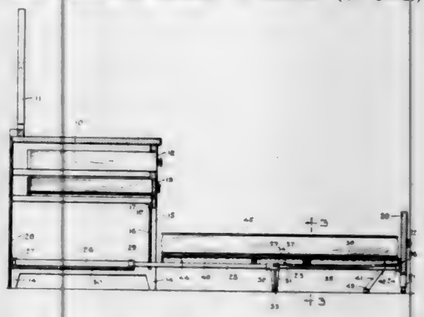
1,562,205. COMBINED DRESSER AND BED. FRANK G. CHEMPANOS, New York, N. Y. Filed Aug. 29, 1924. Serial No. 734,843. 5 Claims. (Cl. 5—1.)



1. The combination of an article of furniture having its front face disposed in substantially fixed vertical position, a lower portion of its front face of said article being provided with an opening, a bed part comprising a head end board conforming to the outline of said opening, said bed part further comprising a pair of oppositely disposed sets of telescopically arranged rail elements, means for slidingly securing a rail element of each set within said opening of the lower portion of the front face of said article of furniture, a closure board and means for pivotally mounting said closure board in substantially vertical alignment with said substantially vertical fixed frontal portion of said article of furniture when said head end board is moved outwardly of said opening and to effect the swinging of said closure board upwardly to substantially horizontal position upon the movement of said head end board inwardly into said opening.

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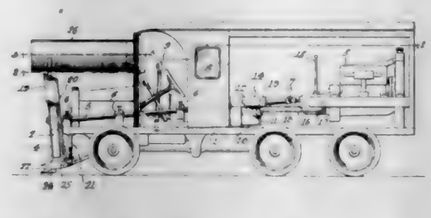
1,562,206. DUAL ROTARY SNOWPLOW. JOSEPH C. CHLADEK, Mount Horeb, Wis., assignor of one-fourth to Roy A. Beat and one-fourth to John Beat, both of Mount Horeb, Wis. Filed Aug. 4, 1924. Serial No. 730,116. 4 Claims. (Cl. 37—43.)

1. In a dual rotary snow plow, the combination of an upper plow casing, a lower plow casing, the casings having lateral passages between each other for the discharge of snow at either side, rotary snow plows positioned for operation within said casings, and means for driving the aforesaid rotary snow plows inde-





pendently in either direction to discharge snow from either side or from both sides through the lateral discharge passages.

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1,562,207. METHOD OF MAKING CEMENT. ANDREW GILBERT CROLL, Weatherly, Pa., assignor to The Atlas Portland Cement Company, a Corporation of Pennsylvania. Filed Mar. 3, 1924. Serial No. 696,687. 4 Claims. (Cl. 222—7.)

3. The method of making Portland cement whereby the strength of the resulting product is substantially increased, which comprises burning the ingredients at a clinkering temperature, quenching the clinker at white heat and grinding the same.

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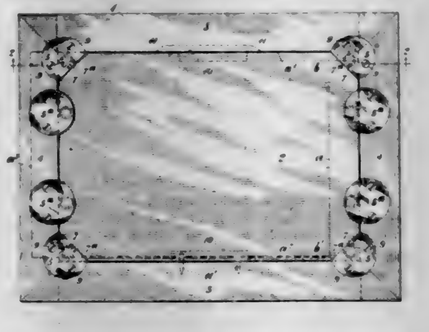
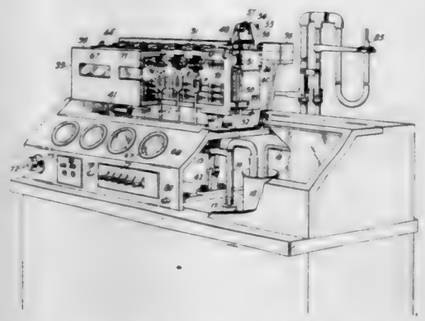
1,562,208. DRAWING BOARD. EDGAR L. DRINKWATER and GEORGE C. DAVISON, Chicago, Ill.; said Davison assignor to said Drinkwater. Filed June 26, 1924. Serial No. 722,573. 6 Claims. (Cl. 45—131.)



1. In a drawing board, a frame having interior dimensions substantially corresponding to a drawing sheet, retaining means projecting from the face of the frame and over the interior opening thereof near two edges only so that the other two interior edges are separated through substantially their entire length by a distance at least equal to the width of the sheet, a panel mounted in said frame, the edges of said panel engaging said retaining means and being flexibly held thereagainst, and a portion of said panel intermediate said edges being fixed with respect to the working face of said frame, said panel being adapted to have said edges pressed away from the retaining means whereby the sheet may have one edge inserted from above the frame between the panel and retaining means at one edge of the frame and the opposite edge of the sheet then inserted from above between the panel and retaining means at the opposite edge of the frame.

1,562,209. VACUUM-TUBE-EVACUATING OVEN. BENJAMIN J. EGERT, Brookfield, and CHARLES J. DE COSTER, Moline, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 9, 1920. Serial No. 364,591. 11 Claims. (Cl. 250—27.)



1. In combination, a support, a hollow oven member pivotally connected thereto, and a second oven member pivotally connected to said first oven member to form therewith an enclosure to receive an article to be heated.

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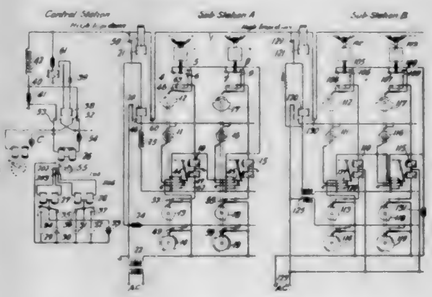
1,562,210. SIGNALING SYSTEM. JOSEPH C. FIELD, Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 7, 1921. Serial No. 506,163. 10 Claims. (Cl. 177—353.)



1. In a signaling system, a central station and a plurality of remote stations joined by a common line conductor, a plurality of devices at each remote station, a plurality of means, each controlled by one of said devices, respectively for signaling said central station over said common line conductor, means controlled by each of said signaling means for preventing the operation of all the other signaling means at the same remote station therewith, and means controlled by each of said signaling means for disconnecting the signaling means at all of said remote stations, other than its own, from said line conductor.

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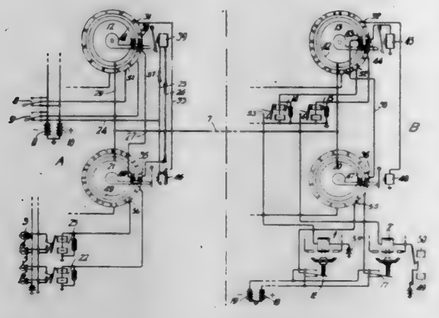
1,562,211. SUPERVISORY SYSTEM. JOSEPH C. FIELD, Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 18, 1921. Serial No. 508,448. 5 Claims. (Cl. 177—353.)

1. In a system for remote control and supervision, a central controlling station and a remote station, a plurality of electromagnetically controlled switches at the remote station, a supervisory device corresponding

to each switch and located at the central station, a rotary distributor set comprising a transmitter and a receiver to transmit electrical impulses



selectively to the supervisory devices from the switches, and holding and releasing means for each distributor, transmitter and receiver, such holding and releasing means for each set being connected electrically in series, and said means for one set being controlled by the other set.

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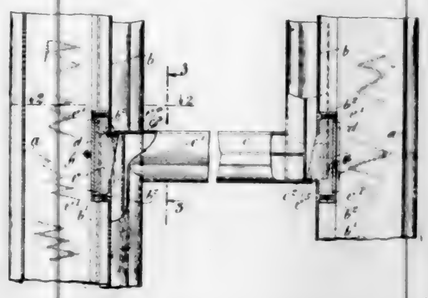
1,562,212. METAL WINDOW. ALPHONSUS FIEN, New York, N. Y., assignor to S. H. Pomeroy Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 21, 1925. Serial No. 24,747. 11 Claims. (Cl. 189—75.)

1. In a corner construction for sheet metal window frames, the combination of a vertical frame member and a horizontal frame member the end portion of each extending across the other, the end portion of one member having a diagonal slot formed therein terminating short of its upper edge and the end portion of the other member having a tongue formed therein of a width less than that of the end portion and extending through said diagonal slot so that a part of said tongue lies against the outside and a part against the inside of the slotted member, and means for securing together the end portions of the two members.

1,562,213. METAL WINDOW. ALPHONSUS FIEN, New York, N. Y., assignor to S. H. Pomeroy Company, Inc., New York, N. Y., a Corporation of New York. Filed July 20, 1925. Serial No. 46,725. 6 Claims. (Cl. 189—72.)



1. In a hollow metal window having a jamb with a removable, grooved pulley stile, and a heavy brace within the jamb, a heavy metal block secured to the brace, channeled in alignment with the grooves in the pulley stile and having the pulley stile secured thereto.

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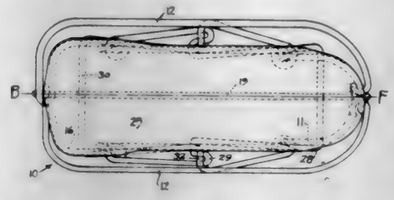
1,562,214. POWER JACK. SAMUEL FINE, Philadelphia, Pa. Filed Mar. 9, 1925. Serial No. 13,984. 3 Claims. (Cl. 254—86.)

3. In a device of the character stated, an automobile chassis, a screw jack, carried by and near each corner of the chassis, each of said jacks comprising a beveled gear rotatably mounted within said housing and having a vertical axis of rotation, a jack in an upright position, a second beveled gear in mesh with said first beveled gear rotatably mounted in said housing, having a horizontal axis of rotation, a horizontal shaft interconnecting the two horizontally mounted beveled gears at each end of the car, worm gears carried by each of said horizontal transverse shafts and longitudinally extending shafts extending to said transverse shafts and carrying a worm in mesh with each of said worm gears for operating said screw jacks, each of said horizontal longitudinal shafts being rotatably mounted in a gear and clutch housing a power shaft, power shaft trunnions interposed between the ends of said two shafts, and having friction clutch faces at their ends, driven friction discs slidably mounted on the ends of said shafts in juxtaposition to the driving friction clutch faces of said trunnions, each of said clutches being composed of frictional driven members slidably mounted on the end of each respective longitudinal shaft and a frictional driving member at each trunnion end of said power shaft manually operated means located between said clutch mechanism for driving said power shaft in either direction, and separate levers for actuating either of said driven members at will.



1,562,215. COLLAPSIBLE STOOL. GUSTAV W. FISCHER, Elizabeth, N. J. Filed Sept. 22, 1921. Serial No. 502,343. 6 Claims. (Cl. 15—266.)



2. A stool comprising inner and outer frame portions formed from a single continuous piece of wire; a cover for said inner portion and foldable leg portions pivoted at the under side of said frame.

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1,562,216. GOLF TEE. JAMES F. FLAHERTY, Philadelphia, Pa. Filed Sept. 5, 1925. Serial No. 54,589. 5 Claims. (Cl. 273—33.)

2. A golf tee comprising a metallic stem adapted to be thrust into the ground and a primarily separate metallic cup rigidly connected with said stem, at the upper end thereof, and comprising an annular flange forming a receptacle in which a ball may be set; and a metallic coating extending over said stem and cup and permanently uniting them.

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1,562,217. CONTROL OF BISULPHITE-PULP COOKING. JOSEPH ERNEST FLEURY, Three Rivers, Quebec, Canada. Filed May 14, 1924. Serial No. 713,344. 2 Claims. (Cl. 23—230.)

1. Method of control of bisulphite pulp cooking by the colour of the liquor, consisting in drawing a sample of the liquor from a digester in operation, to which sample is added an alkaline hydroxide and an alcohol, filtering the liquor and diluting it in determined proportion and then comparing it in a colorimeter with a predetermined graduation corresponding to certain percentages of strength and bleach of finished pulp.

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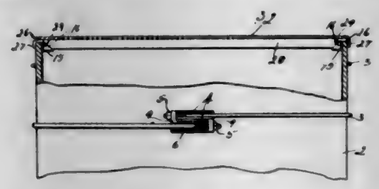
1,562,218. TANK STRUCTURE AND LUG THEREFOR. WILLIAM W. FORD, Philadelphia, Pa. Filed June 24, 1924. Serial No. 722,024. 2 Claims. (Cl. 217—95.)



1. A structure comprising, in combination, a tank, hoops surrounding said tank and having threaded meeting ends, a sister lug for each hoop into which the threaded ends are inserted, nuts screwed on said threaded ends and engaging opposite ends of the sister lug, brackets including hangers to engage the upper edge of the tank, stirrups adjustably mounted on the hangers and positioned within the tank, a rafter having its ends seated in the stirrups, and means to fasten the ends of the rafter in the stirrups.

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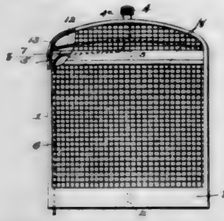
1,562,219. RADIATOR CONDENSER FOR INTERNAL-COMBUSTION ENGINES. ALBERT C. FOULK, Dayton, Ohio. Filed Nov. 11, 1922. Serial No. 600,275. 2 Claims. (Cl. 257—25.)



1. In a cooling system for internal combustion engines, a radiator assembly comprising a prime cooler, upper and lower headers for said prime cooler, and a condenser mounted above said upper header and separated therefrom by a baffle wall, said baffle wall having laterally disposed ports for connection with said upper header.

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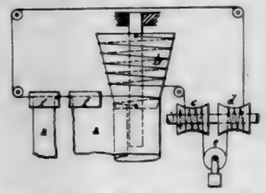
1,562,220. DEVICE FOR MOVING CURTAINLIKE ROUNDHORIZONS. RUDOLF FRITSCH, Dresden, Germany. Filed June 20, 1923. Serial No. 646,721. 4 Claims. (Cl. 272—22.)



1. In a device of the kind described a conical drum, a rope passing round said drum and having a horizontal portion for supporting a web or curtain, devices for winding said rope upon the said drum and unwinding the same therefrom, and means for displacing said drum so that the line on which the rope winds upon and unwinds from the said drum is a stationary one.

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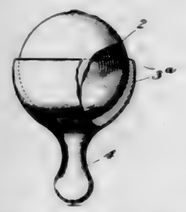
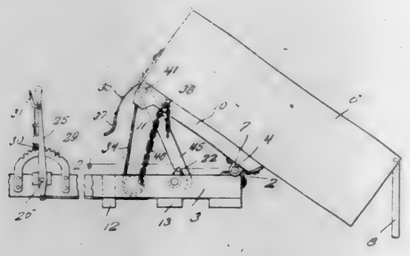
1,562,221. METHOD OF AND MEANS FOR PRODUCING SOUND. ELLIS F. FROST, Colonial Beach, Va. Filed Aug. 14, 1922. Serial No. 581,805. 2 Claims. (Cl. 46—46.)



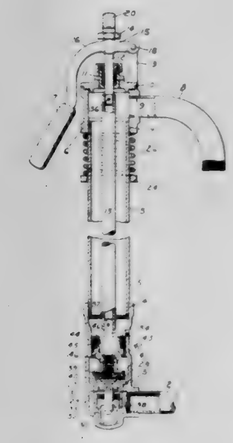
2. A chamber having an elastic membranous wall retained by fluid pressure in a curved distended and attenuated condition, and a holder for holding the wall against such bodily movement as would result in the dissipation or absorption of the vibrations set up by crepitating the wall, whereby such vibrations will be resonated by the chamber.

1,562,222. DUMPING TRUCK. EVERETT H. GALFORD, Elkins, W. Va. Filed Jan. 20, 1925. Serial No. 3,614. 2 Claims. (Cl. 298—19.)



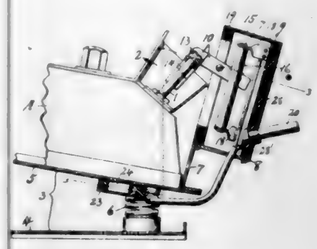
1. In combination with the chassis of a vehicle, of a dump body pivotally supported intermediate its ends on the rear end of the chassis, means for normally locking the dump body in a horizontal position on the chassis against tilting movement, said means comprising a pair of cross bars extending transversely on the chassis in spaced relation, a lever pivotally supported intermediate its ends on the rear cross bar, a locking bolt secured at its rear end on one end of the lever, the forward end thereof adapted for slidable movement within an opening provided therefor in the forward cross bar, a keeper associated with the forward end of the dump body, the same being provided with an opening for receiving the forward end of the locking bolt, and a lever operatively associated with the other end of the aforementioned lever for actuating said locking bolt.

1,562,223. HYDRANT. THOR GANNESTAD, Pittsburgh, Pa., assignor to Edgar M. Moore, Pittsburgh, Pa. Filed Mar. 8, 1924. Serial No. 697,746. 7 Claims. (Cl. 137—13.)



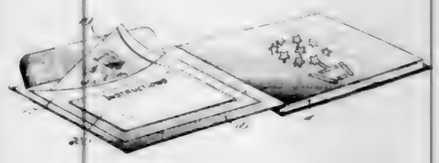
1. The combination with a hydrant having a central valve stem and an operating lever therefor, of a cross yoke for depressing the stem and lever having tension rods extending down at each side of the hydrant, a ring surrounding the hydrant and connected with the tension rods, and a spring between the ring and an abutment on the hydrant.

1,562,224. ELECTRICALLY-HEATED SADIRON. HERMAN GANSERT, Jr., Syracuse, N. Y. Filed Oct. 20, 1924. Serial No. 744,790. 6 Claims. (Cl. 219—25.)



6. The combination with an electrically heated flat iron having a pair of exposed terminals for the heating circuit, of a support for the iron having a pair of exposed terminals similar to those of the iron and also connected in the heater circuit, an electric switch and a thermostatic switch, both connected in the heating circuit, the thermostatic switch and one of the parts of the first named switch being mounted upon the support for the iron, the other member of the first named switch being movable into and out of contact with the member on the support and provided with sockets for receiving the terminals on the iron, and means including a socketed coupling member for connecting either set of terminals to a source of electric supply when the socketed switch member is removed from the terminals on the iron.

1,562,225. INSTRUCTION OUTFIT FOR CHILDREN. RAYMOND H. GARMAN, Wilmette, Ill. Filed Jan. 2, 1925. Serial No. 213. 1 Claim. (Cl. 35—12.)

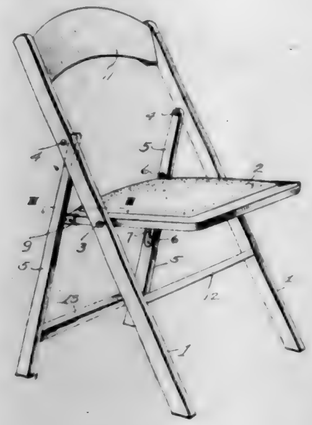


In a child's instructive outfit for the purpose specified, a sheet or leaf having thereon individual disconnected outlines to be colored, said outlines being each self-contained and disconnected from other outlines, together with a series of die-cut paper sections each of proper size and shape to fit into and completely occupy one of the aforesaid outlines, each of the aforesaid die-cut sections being colored on its top surface with a solid block of a single color and gummed on its lower surface for direct attachment to the sheet within the intended outline, whereby said die-cut paper sections when so attached serve to completely occupy and completely color the outlines within which they are placed and produce an attractive ornamental design or pattern of disconnected units of solid color blocks, substantially as and for the purpose set forth.

1,562,226. FOLDING CHAIR. CHARLES GLANTZ, Arkville, N. Y. Filed Feb. 21, 1925. Serial No. 10,879. 2 Claims. (Cl. 155—142.)

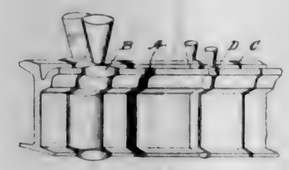
1. A folding chair, embodying front legs, rear legs pivoted thereto at their upper ends, a seat pivoted intermediate its length between said front legs, and means forming sliding connections between the rear of said seat and said rear legs, said means forming a loose





engagement in intermediate positions of the seat and legs, but adapted to lock the two together at each extreme of adjustment.

1,562,227. METHOD OF WELDING METALS. HANS GOLDSCHMIDT, Berlin, Germany, assignor to Gesellschaft für Aluminothermie, m. b. H., Dr. Hans Goldschmidt, Berlin, Germany. Filed Sept. 2, 1921. Serial No. 497,996. 4 Claims. (Cl. 22—204.)



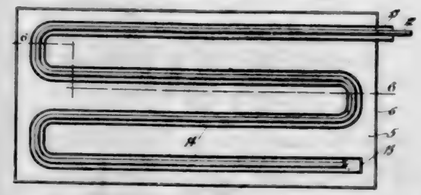
1. A method of welding metal parts by the thermo-aluminic process which consists in bringing faces of the metal parts into close proximity, preheating said faces to substantially welding temperature, enclosing the joint in a mould and introducing the molten metal into said joint and mould, the mould closely conforming to the profile of the metal parts and being of such reduced dimensions that the preheated portions of the metal parts extend beyond the metal space within said mould, whereby the outer preheated portions are not further heated by the molten metal.

1,562,228. STENCIL SHEET. JOHN DOUGLASS GRANGE, Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 24, 1922. Serial No. 603,125. 14 Claims. (Cl. 41—386.)

1. A stencil blank capable of being stencilized, comprising a sheet of fibrous material impregnated with a compound including a protein, an aluminum salt, an agent to retard the hardening effect of the aluminum salt, a suitable tempering agent, a coloring material and water.

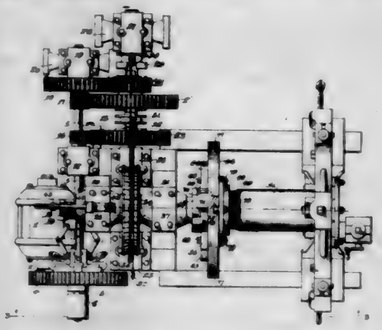


1,562,229. APPARATUS FOR DRYING MATERIALS. GEORGE GRINDROD, Oconomowoc, Wis., assignor to Carnation Milk Products Company, Seattle, Wash., a Corporation of Delaware. Filed Feb. 28, 1920. Serial No. 362,054. 2 Claims. (Cl. 257—256.)



2. In combination with a hot plate, means for heating the surface of said plate to a uniform temperature throughout its area consisting of inner and outer pipes formed into a heating coil and arranged in proximity to said plate, said pipes constituting a continuous circulating means for a fluid heating medium entering through one of the pipes and leaving through the other pipe.

1,562,230. COUPLING-ELEMENT-ATTACHING APPARATUS. ALPHONSE GUTTLY, Wisconsin Rapids, Wis. Filed Nov. 29, 1924. Serial No. 753,001. 16 Claims. (Cl. 29—88.2.)

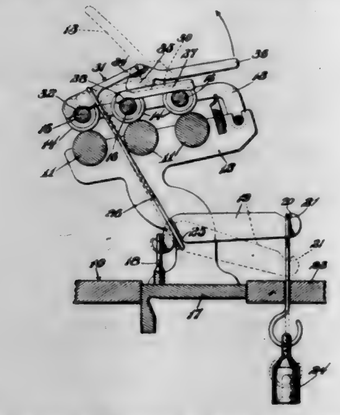


1. A coupling element attaching apparatus comprising a revoluble chuck formed of a driving and a driven section, the former extending into the rear of the latter, fluid pressure operated means carried by said driving section and yieldingly impacting with the rear of said driven section to provide for the bodily revolving of the chuck, means for detachably securing the coupling element to be attached to the front of said driven section, a non-rotative combined pipe locking and positioning means for supporting one end of and for positioning a pipe for the reception on its other end of the coupling element carried by said driven section, and a portable holder for said locking and positioning means.

1,562,231. ROLL-WEIGHTING APPARATUS FOR COTTON-SPINNING MACHINES. ROBERT EDMON HAYNES, Gastonia, N. C., assignor of one-half to Arthur D. Gantt, Kings Mountain, N. C. Filed Oct. 25, 1924. Serial No. 745,927. 6 Claims. (Cl. 19—136.)

1. In a spinning machine, the combination with lower rolls, upper rolls resting upon the lower rolls and means for applying tension to the upper rolls to force them against the lower rolls including a pair of saddles, one resting upon the middle and rear upper rolls, the other resting at its front end upon the front upper roll and at its rear end upon the first named saddle, a weight supported from the front saddle intermediate the front and

middle rolls, of means at the rear end of the last named saddle and engaging the first named saddle shiftable to vary the height of the rear end of the last named saddle



and to permit said weight to lower, and means other than said front saddle supporting said weight when it has been lowered a predetermined distance.

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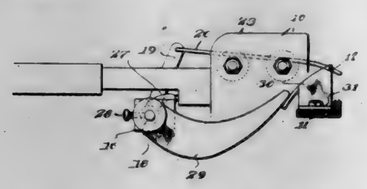
1,562,232. SELVAGE-LOOP RETAINER. JAMES A. HENAULT, Easthampton, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 12, 1923. Serial No. 674,337. 5 Claims. (Cl. 139—195.)



1. A loom comprising a temple, a lay movable toward and from the temple, a selvage loop retaining finger mounted in the temple to slide substantially parallel with and above the edge of the cloth adjacent the fell, means acting normally to project the finger rearwardly past and inclining downwardly over the fell, and means acting simultaneously with the beat-up of the lay to retract the finger forwardly of the fell whereby, after the pick of weft toward the side at which the temple is located is beaten in and the lay moves back the finger is projected over the weft and the next pick toward the opposite side loops the weft over and around the finger, which is then withdrawn therefrom on the succeeding beat-up of the lay.

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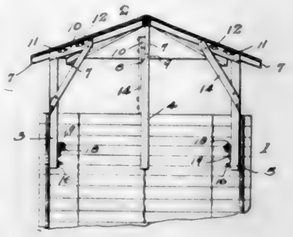
1,562,233. WALL CONSTRUCTION. EDWARD AUGUST HEYER, New York, N. Y. Filed July 9, 1925. Serial No. 42,535. 3 Claims. (Cl. 72—125.)

1. The herein described wall construction, consisting in supporting strips located at an angle to each other, metal plates secured to said strips and spaced apart at their edges, strips of flexible material secured over the meeting edges of the plates and at the ends of the plates, and metal strips covering the flexible strips and secured to the plates thereover.

1,562,234. ADJUSTABLE ROOF. CLARENCE HOARD, Victoria, British Columbia, Canada. Filed May 16, 1924. Serial No. 713,726. 2 Claims. (Cl. 108—2.)



1. The combination with an adjustable roof structure having rafters, of a pair of guide posts adapted to extend into and coact with the inner walls of a silo, said posts having extensions thereon, adjustable means for securing said extensions to the rafters, and means in connection with said posts and silo for elevating and retaining the roof in elevated position.

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1,562,235. SWAB. BEN P. HOFFMAN and WALTER G. BISBEE, Bristow, Okla. Filed Nov. 19, 1923. Serial No. 675,774. 8 Claims. (Cl. 103—225.)



1. In a device of the class described, a tubular member having upper and lower threaded portions, a packing element arranged for movement on the tubular member, means for expanding said packer, a valve casing fixed to said tubular member and a valve carried by said packer.

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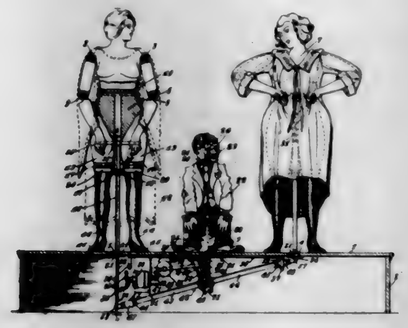
1,562,236. DISPLAY DEVICE. JOHN B. HOLTZ, Los Angeles, Calif. Filed Apr. 15, 1925. Serial No. 23,871. 14 Claims. (Cl. 46—40.)

5. A wearing apparel display device comprising a vertically disposed apparel supporting and displaying element adapted to support a plurality of articles of wearing apparel and provided with means for elevating and lowering one of the articles supported thereon to respectively expose and cover another of the articles supported



thereon, an attraction directing element positioned in proximity to said display element and including a movable part shiftable in a direction towards said display



element to direct attention to said exposed article, and an operating mechanism common to said means and said movable part.

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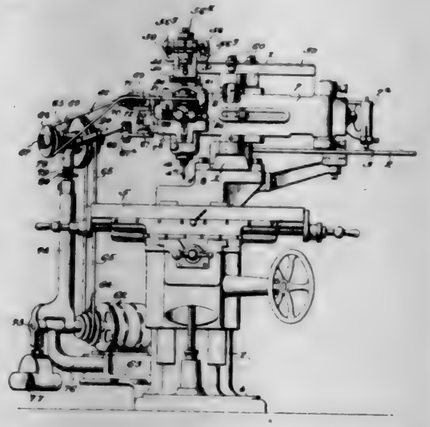
1,562,237. ENGRAVING MACHINE. GEORGE HORNER, Racine, Wis., assignor to George Gorton Machine Company, Racine, Wis., a Corporation of New Jersey. Filed June 23, 1924. Serial No. 721,874. 28 Claims. (Cl. 90—131.)



2. In an engraving machine, in combination, a slide provided with and carrying the cutting tool spindle, a head in which the slide is movable toward and from the work, pantograph mechanism for moving said head and the slide over the surface of the work, a feed member carried by said head, means for fixing said member to the head against relative vertical movement and whereby said member can be released for relative vertical movement, feed mechanism fixing the vertical position of said slide relative to said member and supporting the slide from said member, spring mechanism for yieldingly upholding said member from said head, an independently supported relatively fixed forming guide surface for controlling the relative vertical movement of said member, slide and cutting tool against the tension of said spring mechanism when said member is released for relative vertical movement.

12. In an engraving machine and the like, a cutting tool rotary spindle and a slide carrying the same, in combination with a rotary driving head, and a rotary driving coupling between said spindle and head permitting relative longitudinal movement between the spindle and head while maintaining rotary driving relation from head to spindle, said coupling embodying an intermediate sleeve and longitudinally slidable key driving connections between the head and sleeve and sleeve and spindle.

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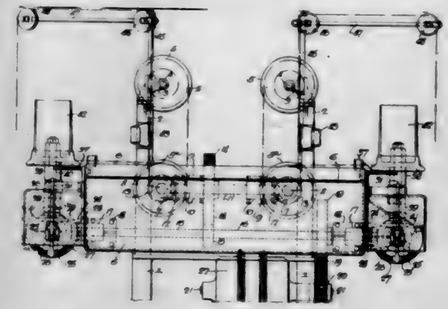
1,562,238. WIRE-DRAWING MACHINE. JAMES C. MAGEE, Hastings-on-the-Hudson, N. Y., assignor to American Insulating Machinery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 20, 1921. Serial No. 523,677. 4 Claims. (Cl. 205—13.)



1. In a wire-drawing machine, the combination with a horizontal main drive shaft, of a source of motive power connected with said shaft, a second shaft disposed above the main shaft and operatively connected thereto, a tank at each side of said main shaft, a plurality of sets of drawing sheaves mounted in each of said tanks and operatively connected with said second shaft, and a block for each of said sets of drawing sheaves operatively connected with the said main shaft.

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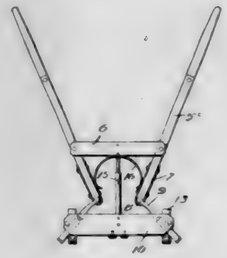
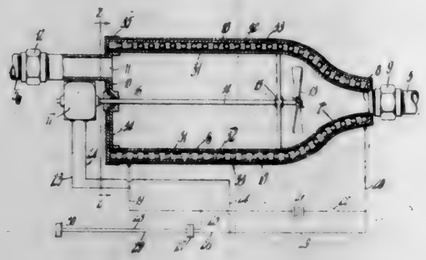
1,562,239. HAND TRUCK. ULYSSES S. MEALEY, Faribault, Minn. Filed May 28, 1925. Serial No. 33,421. 3 Claims. (Cl. 214—65.5.)



1. A hand truck of the class described including a wheel supported plate, a pair of arms pivoted to the plate and having extensions for engaging an article on one end, a cross member, a pair of handle bars pivoted to the cross member and having their ends pivotally engaged with the other ends of the arms, a spring between the handles for normally holding them in a parallel position.

1,562,240. AUXILIARY HEATING AND CIRCULATING APPARATUS FOR AUTOMOBILES. ELLA E. MELOTTI, Boston, Mass. Filed Jan. 10, 1925. Serial No. 1,709. 10 Claims. (Cl. 123—174.)



1. An auxiliary liquid heating and circulating apparatus for automobiles comprising a container for liquid having an inlet and an outlet orifice and adapted to be interposed in and connected to a pipe forming a portion of the liquid circulating system of an automobile, a coil of wire surrounding said container and adapted to be connected to a source of electric energy, and means within said container to force the liquid therein through said outlet orifice and pipe.

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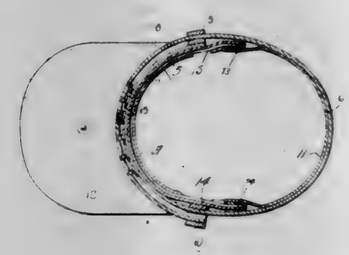
1,562,241. ADJUSTABLE CAP. OLIVER J. MILLSAPS, Abilene, Tex. Filed June 28, 1924. Serial No. 722,997. 1 Claim. (Cl. 2—197.)



In an adjustable cap, a visor having rearwardly projecting extensions, means inside the cap for guiding and concealing the extensions, a body portion provided with a head band having extensions overlappingly arranged with relation to each other exteriorly of the body portion, the said extensions being of a length to terminate on opposite sides of the cap near the ends of the visor, a loop on the end of each extension embracing the other extension and being slidable thereon, one of the said extensions having fastening elements on its surface contiguous to the overlapping extension and the other of said extensions having a fastening element on its surface facing the first mentioned fastenings, the said fastenings being concealed by the outer of the telescopic sections, substantially as described.

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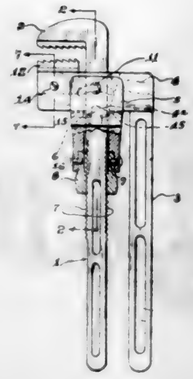
1,562,242. WRENCH. EDWARD T. MITCHELL, Lisco, Nebr. Filed June 22, 1925. Serial No. 38,730. 2 Claims. (Cl. 81—83.)

1. In a device of the class described, in combination, a shank, an upper jaw integral with the said shank having teeth at the bottom, a forked sleeve adapted to move on the said shank, a transverse bar having a handle, the said transverse bar movably fastened to the said forked sleeve, springs for normally keeping the said transverse bar at right angles to said shank, a lower



jaw fitting in the forked portion of the said transverse bar, and a threaded sleeve engaging said shank for moving the said forked sleeve on the said shank.

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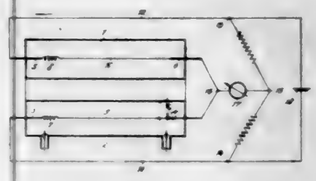
1,562,243. APPARATUS FOR CONTINUOUSLY MEASURING THE COMBUSTIBLE CONSTITUENTS OF WASTE GASES. MAX MOELLER, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Filed Nov. 22, 1924. Serial No. 751,711. 2 Claims. (Cl. 23—255.)



1. In a device for continuously measuring the combustible constituents of waste gases the combustion of a compartment filled with a suitable gas for comparison with the waste gases and containing a wire of suitable catalytically acting material surrounded by said comparison gas, a second compartment having an intake and a discharge opening for said waste gases, and containing a catalytically acting wire consisting of an alloy containing at least one of the elements of the platinum group, said wire being surrounded by said waste gases, a source of current and conductors for connecting said source with said catalytic wires, and a measuring instrument suitably connected in circuit with said wires for comparing the amount of current passing through said wires.

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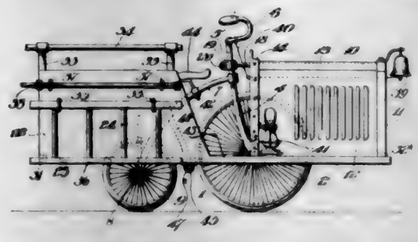
1,562,244. DETACHABLE BODY FOR CHILDREN'S TRICYCLES. WILLIAM A. MORRILL, Jr., Wenonah, N. J. Filed Sept. 15, 1924. Serial No. 737,671. 5 Claims. (Cl. 208—42.)

1. The combination of a child's tricycle, having a steering column and a rear axle, a detachable body therefor, comprising a front hood member enclosing the top and front sides of the tricycle and a rear chassis member, connections from said hood member to said steering column, and supporting devices for said chassis member carried by the rear axle of the tricycle, there being





a space between said hood member and chassis member, and a seat located within said space upon the tricycle frame.

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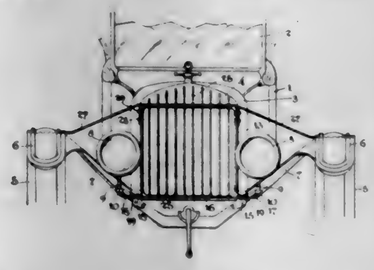
1,562,245. COMBINED RADIATOR GUARD AND FENDER BRACE. ELMER J. NEGY, Abilene, Tex. Filed Aug. 16, 1924. Serial No. 732,509. 4 Claims. (Cl. 293—54.)



1. A combined radiator guard and fender brace for motor vehicles comprising an inverted vertically disposed U-shaped frame, a horizontally disposed rearwardly extending yoke-shaped support formed of an intermediate and a pair of rearwardly extending end portions of a length to extend below the supports for the standards of the headlights of the vehicle, said support of greater width than said frame, means for securing the lower end of said frame to said intermediate portion, means for securing the rear terminals of said end portions to said supports, spaced bars secured to said intermediate portion and extending through the top of the frame, and brace members secured to upper end of said frame and to the front fenders of the vehicle.

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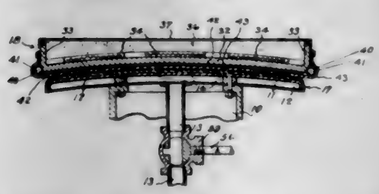
1,562,246. ELECTRIC CLOTHES PRESSER. CHARLES R. NELSON, Seattle, Wash. Filed Jan. 3, 1925. Serial No. 307. 1 Claim. (Cl. 68—9.)



In a clothes pressing machine a buck having a pressing face, a steam conduit pipe extending around said buck adjacent the edge thereof and having perforations for directing steam inwardly across the pressing face of said buck, a layer of wire mesh covering the face of said buck and forming porous means for permitting an even distribution of said steam and a fabric pressing pad covering said wire mesh and extending around and over said steam pipe and secured to said buck.

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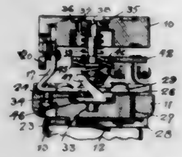
1,562,247. ELECTRIC SWITCH MECHANISM. ARVID H. NERO, New Britain, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed July 23, 1921. Serial No. 487,164. 3 Claims. (Cl. 173—354.)



1. In an electric switch having a hill and valley course, a switch bar riding the course, a cam plate arranged beneath and having cam arms upwardly offset for engagement with the switch bar and passing therethrough, a compression spring above and normally pressing the switch bar against the cam plate, and means for actuating said cam plate to cause the cam arms of the latter to lift the switch bar with lagging action over the hills of the course, said compression spring causing said switch bar to ride down the cam arms with overtaking action as the switch bar descends into the succeeding valley.

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1,562,248. INSECT TRAP. NIELS NIELSEN, Lincoln, Nebr. Filed Dec. 7, 1923. Serial No. 679,176. 1 Claim. (43—109.)

An insect trap adapted to support a piece of furniture, said trap comprising a plate adapted to be secured to a piece of furniture, a shank carried by said plate and having a chamber therein, a cup into which the lower end of said shank extends axially and adapted to receive liquid in a chamber thereof, which chamber is in communication with the chamber of the shank, the lower end of said cup being convexed, thereby forming a caster and a vent in said shank adjacent its upper end and in communication with the chamber of the shank.

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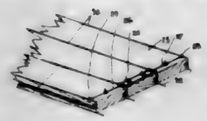
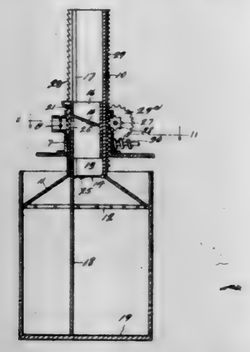
1,562,249. CAR DOOR. JAMES OMAR OAKLEY, Montreal, Quebec, Canada, assignor of one-half to Paul Emile Lalanne, Montreal, Canada. Filed Jan. 24, 1925. Serial No. 4,454. 6 Claims. (Cl. 20—32.)



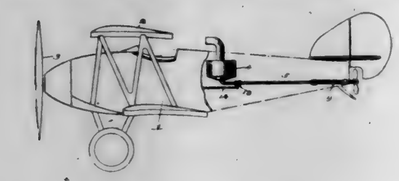
1. A car door comprising a plurality of slats longitudinally hinged at the joints and operating as a roll door and hinge pins having double offsets at the ends forming tread members and hangers for the door in its sliding and stored positions, trackways secured over vertical recesses in door posts and therebeyond across the car under the ceiling and suspended therefrom.

1,562,250. ICE-CREAM-DISPENSING MACHINE. ARTHUR B. PATTON, Omaha, Nebr. Filed Mar. 25, 1924. Serial No. 701,688. 1 Claim. (Cl. 107—8.)



The combination with a device for dispensing ice cream from ice cream containers, said device comprising a plunger disposed in the casing, a tubular casing carried by said plunger, and through which ice cream is forced, a deflecting casing disposed within the plunger casing and slidably mounted therein, and having a discharge opening registering with the discharge opening in the plunger casing, of means for preventing movement of the deflecting casing, said means comprising an arm carried by the deflecting casing and engaging the bottom of the container, pawl and ratchet means for locking the deflecting casing to the plunger casing whereby said deflecting casing may move upwardly or downwardly with the plunger casing and gear means cooperating with the plunger casing for moving said plunger casing.

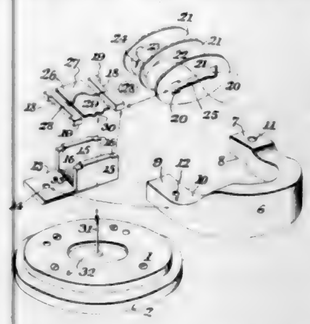
1,562,251. MATERIAL DISTRIBUTOR FOR AIRCRAFT. CLIFFORD L. PELTON, Baltimore, Md. Filed July 9, 1925. Serial No. 42,406. 4 Claims. (Cl. 244—1.)



1. In an aircraft, in combination, a receptacle for holding a quantity of material to be distributed from the aircraft, a tube rotatable about an axis on the aircraft, a conduit in said tube extending outwardly from said axis, a passage from said receptacle to said tube, and means for rotating said tube to cause the material to be scattered in the air.

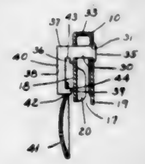
1,562,252. TELEPHONE RECEIVER. ALBERT PIHL, Murray, Utah, assignor to Holliday Radio & Manufacturing Company, a Corporation of Utah. Filed Aug. 8, 1924. Serial No. 730,939. 5 Claims. (Cl. 179—119.)

1. A telephone receiver comprising a ring member, a generally U-shaped permanent magnet carried by said ring member and having its ends widely spaced offset to lie in different planes, pole pieces attached to the outer faces of the legs of the magnet and extending inwardly, each of said pole pieces having on its free end sides extending toward the corresponding sides of the opposite pole piece, a coil supported within the sides of the pole pieces, and an armature mounted within said coil.



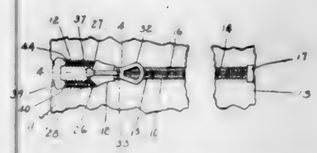
5. A telephone receiver comprising a ring member, a permanent magnet, pole pieces carried thereby and having trough shaped free ends milled out so that the bottom of the trough is curved, a coil supported within the pole pieces and curved similarly to the bottom of the trough, and an armature mounted within said coil.

1,562,253. SLIDE CONSTRUCTION. GEORGE EDWARD PRENTICE, Berlin, Conn. Filed Mar. 23, 1925. Serial No. 17,500. 2 Claims. (Cl. 24—205.)



1. In interlocking fastener construction, a pair of opposed fabric edge structures provided with interlocking fastener devices and a slide for cooperating with said devices for connecting and disconnecting the same comprising a pair of opposed plates that are separated by a space for admitting said devices, a rivet structure having a body that cooperates with the outside faces of said plates so as to tend to limit the outward spacing thereof, a handle for operating said slide, a part of said rivet structure serving as the support for said handle, and said part being of U-shape and extended over an appreciable part of the length of one of said plates and with the free end opposed to said last named plate.

1,562,254. FASTENER COMBINATION. GEORGE E. PRENTICE, Berlin, Conn. Filed Mar. 26, 1925. Serial No. 18,427. 2 Claims. (Cl. 24—205.)

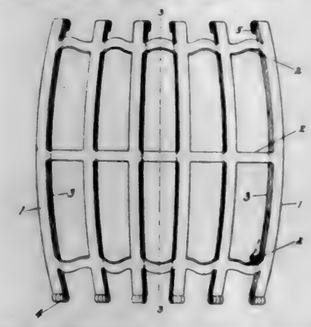


1. In combination, interlocking fastener devices arranged along the opposed edges of material bordering a gap, a slide for operating said devices and mounted for longitudinal movement thereon, said slide having at one end a pair of outlets, spaced laterally one from the other, and serving individually as exits for the fastener



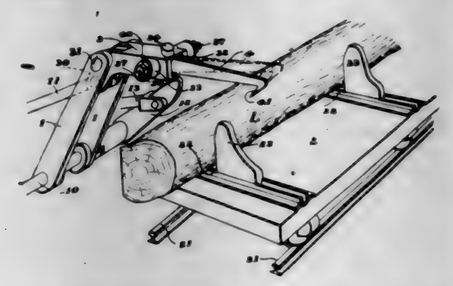
devices on the two sides, the end of the gap that is opposed to said one end of the slide being bridged by a stop device, and said stop device cooperating with the slide to limit the movement thereof.

1,562,255. HAIR-WAVING FRAME. EMMA A. PURKEY, Pittsburgh, Pa. Filed Jan. 23, 1925. Serial No. 4,191. 10 Claims. (Cl. 132—38.)



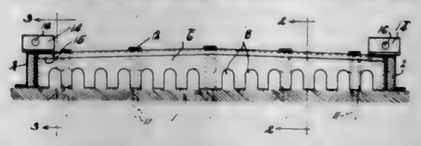
1. A hair waving frame comprising a plurality of interconnected clamping elements, each consisting of a pair of matching bars and means for mutually engaging said bars to clamp hair therebetween; and means extending upwardly from the clamping elements to provide forming loops for the undulations of the hair.

1,562,256. LOG TURNER. ULRICK J. RAYMOND, Seattle, Wash. Filed Dec. 16, 1922. Serial No. 607,292. 16 Claims. (Cl. 143—103.)



1. In combination, means for supporting a log, and a two-part arm movable transversely of and over a log resting upon said support to turn the log about its longitudinal axis, said arm comprising a supporting part movable only in a plane and a log engaging part deflectable laterally of said plane and along said log axis.

1,562,257. RETAINER FOR EXPANSION-JOINT STRIPS. LEWIS W. ROGERS, Clanton, Ala. Filed Feb. 9, 1925. Serial No. 8,006. 5 Claims. (Cl. 94—51.)

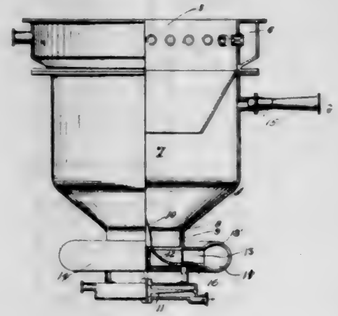


1. An expansion joint retainer formed of a metal plate having greater width vertically than the expansion joint strip to be retained and having its top edge bent over on one side to form a shallow pocket closed overhead and adapted to receive the upper edge of such joint strip, there being slots in the plate extending from below the level of the downturned edge through the bottom of the plate.

1,562,258. PARACHUTE. JAMES M. RUSSELL, Dayton, Ohio. Filed May 19, 1924. Serial No. 714,461. 20 Claims. (Cl. 244—21.)

1. A parachute comprising a canopy made up of a plurality of concentric sections having overlapping portions joined together at spaced points to provide a vent therebetween.

1,562,259. JET CONDENSER. HENRY F. SCHMIDT and DAVID W. R. MORGAN, Swarthmore, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 3, 1920. Serial No. 428,062. 9 Claims. (Cl. 261—24.)

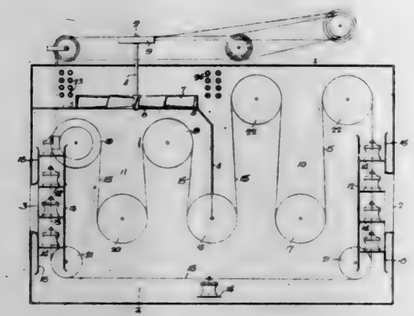


1. A combined jet condenser and condensate extraction pump therefor comprising a mixing chamber, means providing a discharge throat at the bottom thereof, a propeller member rotatable in said throat, and means for discharging the condensate delivered by said propeller member.

1,562,260. DRIER. WALTER M. SCHWARTZ, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 28, 1921. Serial No. 480,953. 4 Claims. (Cl. 34—12.)

1. The combination in a drier having a feed opening at one end, and a discharge opening at the opposite end; a driving chamber; a vertical partition dividing the main portion of the chamber into two compartments, but affording communication between the compartments at top and bottom; a horizontal circulating fan above the compartment at the delivery end of

the drier, and means near the fan for heating the air so that heated air will be circulated down through the compartment at the delivery end and the cooler



air will be circulated upwards in the compartment at the feed end of the drier, and a conveyor arranged to travel through both compartments.

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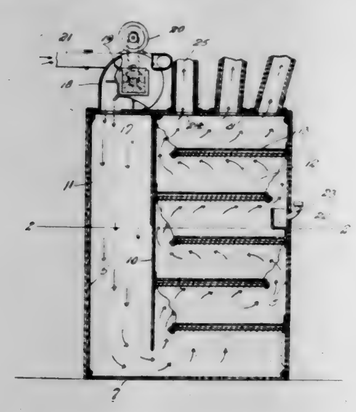
1,562,261. ELECTRIC FURNACE. JEROME SECHOWSKI, Notre Dame, Ind. Filed Aug. 17, 1923. Serial No. 657,899. 2 Claims. (Cl. 219—39.)



1. In an electric furnace, a casing divided internally by a vertical partition into separate compartments, said partition terminating in spaced relation from the bottom of the casing to afford communication between the compartments, the top of said casing being provided above one of said compartments with an opening, air circulating means mounted on said casing and in communication with said openings for driving air through said compartment and into the remaining compartments, a plurality of horizontally disposed baffles arranged in the last named compartments in staggered relation, said baffles being mounted alternately upon said partition and one of the walls of the last named compartment, said baffles being of a width equal to the compartments and of a length less than the length of the compartment whereby to afford a restricted and tortioned passage for the incoming air, and electric heating elements disposed beneath said baffles and arranged in transversely spaced rows.

1,562,262. PROCESS OF TREATING RUBBER AND THE PRODUCTS THEREOF. OMAR H. SMITH, New York, N. Y., assignor to The Naugatuck Chemical Company, a Corporation of Connecticut. Filed Sept. 15, 1924. Serial No. 737,695. 27 Claims. (Cl. 18—53.)

1. The process of treating rubber hydrocarbon which consists in incorporating therewith a normal alkaline-base salt of a phosphorous acid.

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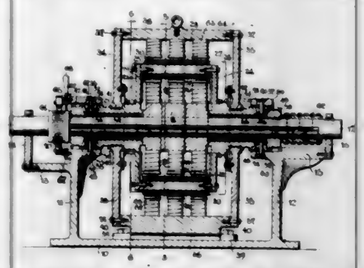
1,562,263. ELECTRO MOTOR AND GENERATOR. JOHN C. SOMMER, St. Louis, Mo. Filed June 16, 1924. Serial No. 720,308. 2 Claims. (Cl. 171—252.)



1. In a machine of the character set forth, a base having a pair of spaced standards mounted thereon, an upright annular housing mounted on each standard, an annular enclosed field coil mounted on said base between said standards, a hollow rotary member within said field coil carrying coil windings upon the exterior and interior thereof constituting armature and field coils respectively, a hollow stub shaft extending from each end of said rotary member through and supported by the end walls of said field coil and each terminating in a housing, bevelled gear teeth formed upon the free end of each stub shaft, a central shaft extending through said hollow shafts and beyond the ends thereof through said housings, an armature carried by said center shaft within said rotary member, a fixed gear mechanism mounted within each housing in mesh with the teeth on the adjacent stub shaft, means for transmitting reverse motion from said shaft to said rotary member through said fixed gears, and a commutator mechanism for the machine carried upon the central shaft.

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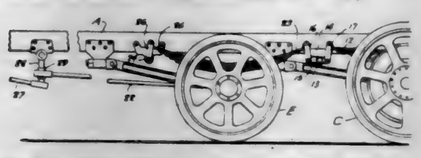
1,562,264. CORN-HARVESTING MACHINE. GEORGE J. SOUKUP, Wagner, S. Dak. Filed Apr. 18, 1925. Serial No. 24,112. 3 Claims. (Cl. 130—5.)

1. In a device of the type described, the combination with the stripping rolls of a corn harvesting machine, of a roller transversely overlying said rolls and adjustable longitudinally in respect thereto, and means for driving said roller.



1,562,265. SIX-WHEEL TRUCK. HARRY Y. STEBBINS and DAVID LEROY VAN LEUVEN, Los Angeles, Calif., assignors to Six Wheels, Incorporated, Los Angeles, Calif., a Corporation of California. Filed Feb. 23, 1924. Serial No. 694,591. 1 Claim. (Cl. 180—22.)



In a motor vehicle, the combination of a frame, drive wheels, drive mechanism therefor, front wheels, steering mechanism therefor comprising movable spindles having steering knuckle arms, a tie rod connecting said arms, intermediate carrier wheels, steering mechanism for said carrier wheels comprising movable spindles having steering knuckle arms, a tie rod connecting said last mentioned arms, and a divided connecting bar securing said steering mechanisms together and having an adjustable proportional movement connection characterized by said connection comprising a lever pivotally mounted on said frame, a collar slidably mounted on said lever so as to be adjustably disposed thereon, means to lock said collar in any selected position on said lever, said collar having a ball, one section of said bar having a socket receiving said ball so as to form a joint, and the other section of said bar being non-adjustably connected to said lever so as to swing therewith.

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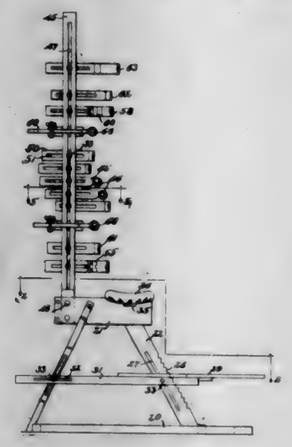
1,562,266. APPARATUS FOR PRACTICING ORTHOPEDIA. MABEL ELSWORTH TODD, Boston, Mass. Filed Feb. 25, 1922. Serial No. 539,211. 40 Claims. (Cl. 128—68.)



1. Orthopedic apparatus comprising a frame, means on said frame for supporting a human body, including a saddle seat having two parts individually adjustable, and a series of members adjustably mounted on said frame and adapted to be selectively positioned to indicate the normal contour of the body supported by said frame.

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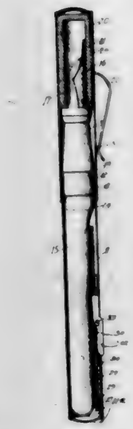
1,562,267. FOUNTAIN PEN. JOHN C. WAHL, Chicago, Ill., assignor to The Wahl Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 2, 1921. Serial No. 457,873. 8 Claims. (Cl. 120—46.)

1. In a fountain pen, a thin metal container tube for housing an ink sack, and formed at one end with spirally arranged corrugations forming external threads and internal ridges and valleys, a pen section having a smooth surfaced extension adapted to be forcibly thrust within said corrugated end of the container tube causing a slight distortion of the resilient metal of said



corrugations longitudinally of said tube, so as to produce a gripping action of the corrugations on said smooth surfaced extension to tenaciously hold said pen section in place on said container tube.

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1,562,268. HEDDLE-FRAME MOVEMENT. JOHN D. WATSON, Appleton, Wis. Filed Feb. 1, 1924. Serial No. 690,019. 3 Claims. (Cl. 139—57.)

1. A heddle frame gearing comprising heddle frames, racks secured to said heddle frames, a shaft provided with pinions of unequal size meshing with said racks, a pair of reciprocating racks, a pinion on said shaft, meshing with said racks, and cam and lever means for reciprocating said last mentioned racks.

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1,562,269. PROCESS FOR TEMPERING LIGHT ALLOYS. GLEN LENARDO WILLIAMS, Detroit, Mich. Filed May 8, 1922. Serial No. 559,284. 3 Claims. (Cl. 148—10.)

3. An electrolytic method for treating light alloys which consists in immersing the alloy in a hot solution

of a salt of a heavier metal, subjecting the solution while heated to an electrolyzing current with the alloy active as the cathode until the alloy surface has taken up metal from the solution, and then quenching the alloy in cold water.

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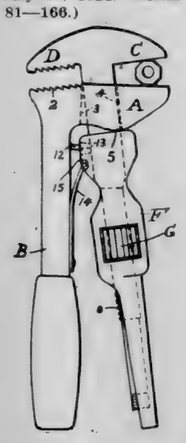
1,562,270. WRENCH. ALBERT H. WOLFE, Santa Rosa, Calif. Filed July 29, 1924. Serial No. 728,959. 11 Claims. (Cl. 81—166.)




3. The combination in a wrench, of a perforated stationary jaw and handle, an adjustable double jaw member having a shank movably located within the perforation in the stationary jaw and the lower end of the shank threaded, a nut on the threaded shank, and a sleeve also on said shank between the nut and the stationary jaw; the perforation in the stationary jaw being so shaped that the double jaw and threaded shank member can rock relative to the stationary jaw.

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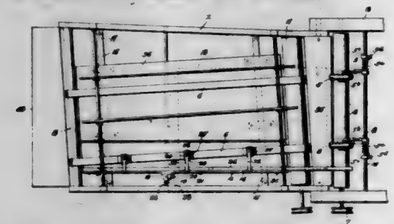
1,562,271. AUTOMATIC REGISTER. LESTER KYLE ALDRICH, Sidney, Ohio. Filed June 27, 1925. Serial No. 39,991. 14 Claims. (Cl. 271—48.)



1. An automatic register comprising a side guide against which the sheets are to be registered, diagonally arranged feed tapes for moving the sheets laterally into contact with the guide and means for varying the lateral feed or movement of the sheets by the said tapes without changing the position of the tapes or varying the speed of the same, said means including spaced devices capable of independent angular adjustment.

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1,562,272. SHOULDER-STRAP RETAINER. JOSEPH J. ALLISON, New Orleans, La., assignor to Rachel H. Stull and Augusta Maze, both of Indianapolis, Ind. Filed Nov. 17, 1924. Serial No. 750,422. 1 Claim. (Cl. 241—12.)

A device of the class described comprising a strip of tape, a safety pin connected with each end of the strip, a strip of covering material looped around the first strip longitudinally to enclose the same and passing through the pins, an extension formed on the covering strip and a snap fastener for connecting the free end

of the extension with the device so that the shoulder strap of a garment can be held between this extension and the rest of the device.

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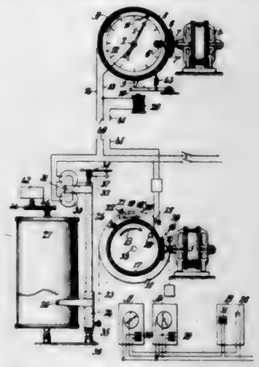
1,562,273. RECORDING INSTRUMENT. ALFRED AMSLER, Schaffhausen, Switzerland. Filed June 17, 1924. Serial No. 720,662. 9 Claims. (Cl. 234—1.5.)



7. A device for recording over a distance the variable positions of an element, comprising in combination, a sender adapted to ascertain the position of the element and having a contact mechanism co-operating with said element, a receiver instrument having a stylus point adapted to travel over a recording surface, driving means adapted to move the contact mechanism and the stylus point periodically so that the contact mechanism moves over the range including the various positions of said element and the stylus point moves over the whole recording range, electric connections between the sender and the receiver, means influenced by the receiver instrument for synchronizing the start of the movements of the contact mechanism and of the stylus point from their initial positions, means to cause the stylus point to produce a mark on the record surface when the contact mechanism engages the element, locking means adapted to cause the contact mechanism and the stylus point to take up determined initial positions, said means influenced by the receiver instrument for synchronizing the start of the movements of the contact mechanism and of the stylus point rendering said locking means inoperative.

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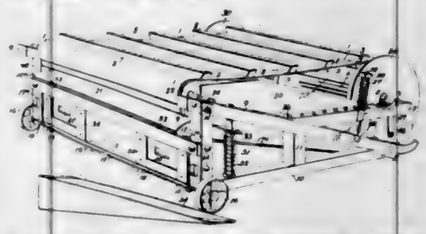
1,562,274. GRASS-SEED SEPARATOR. JOHN F. ARD, Jackson, La. Filed Oct. 26, 1922. Serial No. 597,021. 14 Claims. (Cl. 56—207.)



1. In combination with a mower having a cutter bar, a seed separator comprising a seed receiving body; a screening plate, means for yieldably mounting the screening plate above the receiving body; an endless slatted conveyor means for moving the conveyor over the yieldably mounted screening plate in a manner effecting jarring of the said plate at intervals; a frame for supporting the receiving body and plate and the conveyor, and means for securing the frame to the mower in position for causing the grain cut by the cutter bar thereof to fall on said screening plate.



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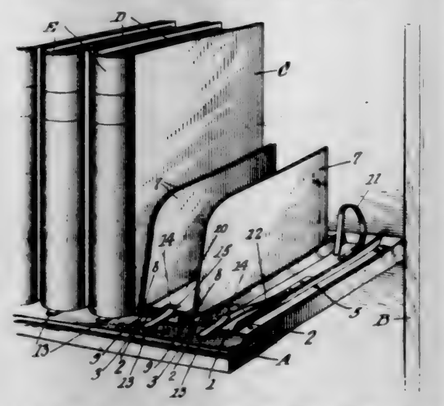
1,562,275. BOOK-SUPPORTING DEVICE. JOSEPH M. ARMSTRONG, Alexandria, Va. Filed Feb. 7, 1921. Serial No. 443,085. 9 Claims. (Cl. 50—57.)




1. A book holder formed of sheet metal and including a bottom, opposed side flanges extending upwardly from the opposed longitudinal edges of the bottom to engage and support the sides of a book, the bottom being bent downwardly and outwardly at points adjacent the side flanges to define opposed channels for the reception of the lower edges of the sides of the book and to define a leaf-supporting platform between the said channels.

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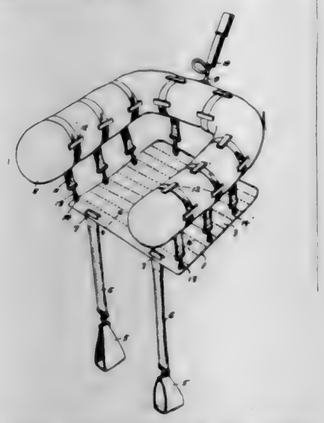
1,562,276. BUOYANT CHAIR. ANTONINO ASSENZIO, New York, N. Y. Filed Dec. 6, 1924. Serial No. 754,416. 4 Claims. (Cl. 9—11.)



4. A buoyant chair comprising a U-shaped inflated member adapted to form a chair back and arms, and having means for facilitating its inflation and deflation, straps retained about the inflated member and having pendent portions, and a bottom connected to said pendent portions of the straps; the said bottom being foldable and being detachably connected with the pendent portions of the straps and being equipped on its forward portion with stirrups-straps and stirrups, and the whole being adapted to be reduced to a package of small compass.

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1,562,277. PROCESS OF PREPARING ELECTRODES. FRITZ BAHR, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed Dec. 11, 1922. Serial No. 606,295. 3 Claims. (Cl. 176—5.)

1. The process of transferring material of high electron emissivity from one electrode of an arc to the other electrode of the arc by establishing an arc between the electrodes in a sealed envelope.

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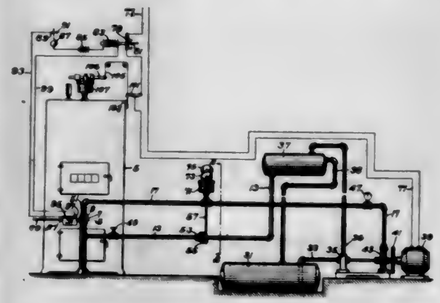
1,562,278. OIL-BURNING APPARATUS. ARTHUR H. BALLARD, Boston, Mass., assignor to Ballard Oil Burning Equipment Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 1, 1923. Serial No. 616,401. 3 Claims. (Cl. 158—42.2.)



1. A fluid fuel burner having a mixing chamber therein presenting an orificed nozzle, air and oil conduits communicating with the mixing chamber, means for supplying air under pressure to the air conduit, a gravity feed device for supplying oil under substantially constant pressure to the oil conduit, a pressure responsive device in the air conduit arranged to be actuated by the air pressure and means operatively connected to be controlled by said pressure responsive device for permitting a supply of oil to the mixing chamber from said gravity feed device only when a predetermined air pressure has been obtained whereby there is insured a substantially constant pressure relation between the air and the oil at their respective points of discharge to the mixing chamber.

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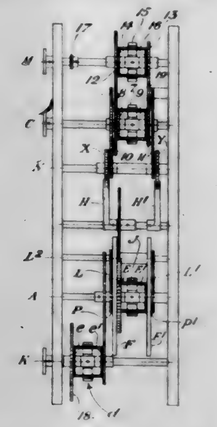
1,562,279. MECHANICAL RELAY. ARCHIBALD BARR and WILLIAM STROUD, Glasgow, Scotland, assignors to Barr and Stroud, Limited, Anniesland, Glasgow, Scotland. Filed Sept. 1, 1922. Serial No. 585,822. 2 Claims. (Cl. 74—34.)

1. Apparatus comprising a first differential, a servo-motor, control mechanism, and servo-motor control gear operated by the control mechanism, the first differential comprising a first connection for communicating motion to its first element, a second connection for communicating motion from the servo-motor to its second element, and a third connection driven by its third element, the control mechanism comprising a second differential, the second differential comprising a first driving element driven by the third connection from the first differential, and two driven elements, one a restricted motion element, the other an extensive motion element, means

for causing motion from the first driving element to be imparted to one or other or momentarily to both of the driven elements and when the restricted motion element



is displaced operate to restore it to its fiducial position and a connection from the restricted motion element to the servo-motor control gear, for the purposes set forth.

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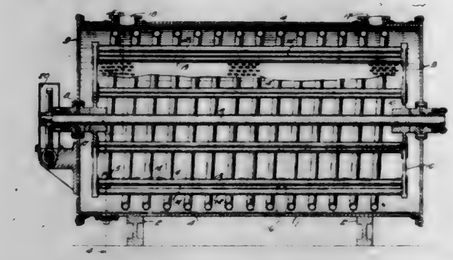
1,562,280. MACHINE FOR TREATING FOODS. JAMES J. BARRY, New York, N. Y., assignor of one-half to William T. Gamage, Gloucester, Mass. Filed Mar. 7, 1924. Serial No. 697,560. 3 Claims. (Cl. 257—1.)



1. In combination, a cylindrical tank, a rotatable package carrier mounted within said tank, said carrier having a plurality of package receiving troughs extending axially of the tank, a coil of refrigerating pipe surrounding said carrier in spaced relation to the tank and carrier, the coils of the pipe being separated to constitute a continuous spiral passage into which the packages on the carrier extend, the interior wall of the tank serving to confine the packages in position between said coils during the turning of the carrier for progressing the packages from one end of the coil to the other, said carrier comprising a shaft extending through the tank, a pair of spiders mounted on said shaft in spaced relation to one another, said spiders having radial arms, a continuous platform extending between said arms and constituting the bottom of the trough, said platform being spaced inwardly from the free ends of said arms.

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1,562,281. ELEVATOR CONSTRUCTION. TELFORD CLARENCE BATCHELOR and CYRIL TELFORD LATCH, Birmingham, England. Filed Mar. 9, 1925. Serial No. 14,228. 3 Claims. (Cl. 187—1.)

2. In an elevator construction, in combination with a pair of cages, a rubbing guide rope positioned there-

between, said rope comprising an outer layer of strands and a central rod about which said strands are wound, said rod being formed with an oppositely tapered en-

larged part included in that portion of the rope which lies between the cages while they are passing, whereby a corresponding enlargement is produced in the adjacent portion of said outer layer.

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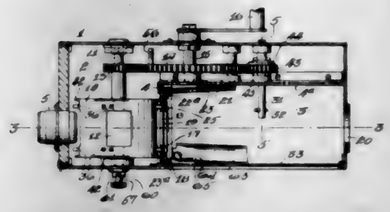
1,562,282. MACHINE FOR TURNING SHOES AND THE LIKE. DAVID BAUM, Livermore Falls, Me., assignor to The Baum Machine Co., Livermore Falls, Me., a Corporation of Maine. Filed Apr. 5, 1924. Serial No. 704,437. 11 Claims. (Cl. 12—57.)

1. In a machine for turning shoes and the like, the combination, with shoe supporting means and a reciprocable plunger normally out of alignment with said supporting means and in operation adapted to act on one side of the sole of a shoe, of a second plunger reciprocably mounted within said shoe supporting means and adapted to act on the opposite side of said sole of said shoe mounted thereon, said second plunger being capable of recession within said shoe support by the thrusting action of said reciprocable plunger first mentioned,—the two plungers co-acting to grip said sole while being forced into said supporting means, means for aligning the two said plungers, means for causing a rolling action to take place on the interposed sole by simultaneously moving one plunger perpendicularly and the other horizontally and means for actuating said first mentioned reciprocable plunger.



1,562,283. MOTION-PICTURE APPARATUS. ALWIN H. BECK, Rochester, N. Y., assignor to Anthony Bielle, Rochester, N. Y. Filed Nov. 17, 1921. Serial No. 515,934. 3 Claims. (Cl. 88—17.)



1. A motion picture apparatus comprising a casing having a chamber formed with an exposure opening and an opening in the wall opposite the one with the exposure opening through which rays pass to the exposure opening, a shutter for said last mentioned opening, means normally holding said shutter in open position, guiding means for guiding a film over the exposure opening, and a film holder for effecting the closure of said shutter when the film holder is introduced into the casing.

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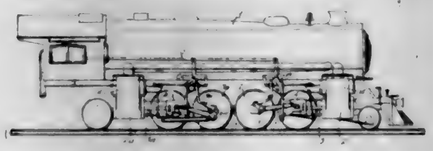
1,562,284. LOCOMOTIVE CONSTRUCTION. FRANK ARNOLD BENOLKEN, Helena, Mont. Filed Sept. 12, 1924. Serial No. 737,332. 1 Claim. (Cl. 105—37.)

In a locomotive construction, front and rear cylinders on each side, a drive wheel corresponding to each cylinder, a crank shaft connecting the front drive wheels, a crank shaft connecting the rear drive wheels, links for connecting the crank shafts together, and connections from said cylinders to said drive wheels, said connections including crank pins and connecting rods, the crank pins of the front drive wheels being disposed at 90° from each other, and the crank pins of the front and rear drive wheels on either side being also disposed at 90° from each other.

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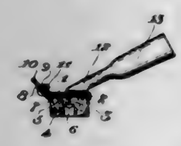
1,562,285. CLEANING DEVICE. MARTIN L. BIBB, Seattle, Wash. Filed June 13, 1924. Serial No. 719,844. 1 Claim. (Cl. 15—118.)



A device of the character described comprising a body plate having a laterally directed flange, spaced tabs extending from said flange inwardly, under the plate, a supporting plate of less width than the body plate having one edge provided with a flange spaced from the flange of the body plate, a pad secured to the supporting plate between the flanges, a wiper strip and a clamping strip having one edge provided with a flange adjacent flange of the supporting plate and means for adjustably securing the clamping plate to the body plate with the wiper strip interposed the flanges of the clamping strip and supporting plate interlocking to constitute a pivot for the clamping plate and to secure all the parts in assembled relation as specified.

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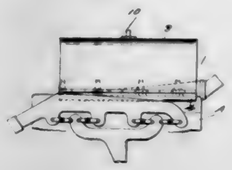
1,562,286. COIL BOX. MARSHALL ROMBO BOLES and ARTHUR JOSEPH SNAVELY, Fountain City, Tenn. Filed Mar. 9, 1925. Serial No. 14,274. 4 Claims. (Cl. 123—148.)



1. In an internal combustion engine, a coil box, means for fastening the same to the top of the engine so that coils in the box will be subjected to the heat from the engine and the ends of the box having openings therein through which the air from the fan will pass.

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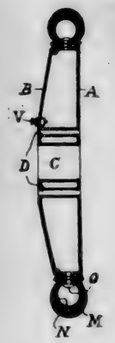
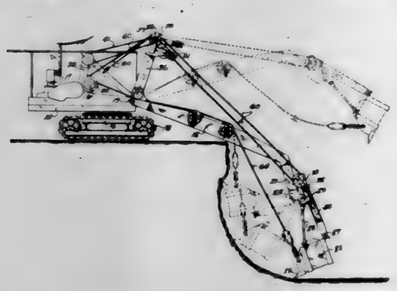
1,562,287. VEHICLE WHEEL. EARL M. BUNCE, Fenton, Mich. Filed Sept. 3, 1924. Serial No. 735,621. 9 Claims. (Cl. 301—63.)




1. The combination in a wheel, of two circular metallic plates, each plate having a central opening; a spacing member, having an opening therethrough uniting said plates in line with the central openings therethrough and forming air tight connections with said plates; a circular metallic rim welded to the outer edges of said plates forming with said plates and spacing member a closed air chamber; a tire, including an inner tube, at the outer surface of the rim; coupling means secured to the inner tube and also to the rim for forming an open passageway between the interior of the inner tube and the air chamber in the body of the wheel; a valve for the introduction of air to the air chamber and the inner tube; and means at the outer edges of the rim for retaining the tire in position when the tire is inflated.

1,562,288. PULL SHOVEL. PAUL BURKE, Green Bay, Wis., assignor to Northwest Engineering Company, Green Bay, Wis., a Corporation of Wisconsin. Filed Aug. 2, 1924. Serial No. 729,734. 10 Claims. (Cl. 214—138.)



1. In an excavating machine of the type described, the combination with a support, of a boom pivoted thereon, a dipper and dipper handle pivotally carried at the outer end portion of said boom and swinging toward the same during digging, and cables for controlling the movements of the boom, dipper and dipper handle, said boom being cambered to increase the working range of the dipper.

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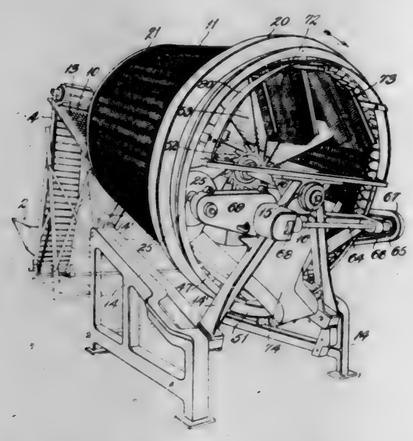
1,562,289. MACHINE FOR POSITIONING AND CUTTING FISH. WILLIAM F. BUTLER, Hillside, N. J., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 30, 1920. Serial No. 434,084. 15 Claims. (Cl. 17—2.)



1. In a machine for positioning fish, the combination with a delivery chute of a rotary drum cooperating therewith having a reticulated portion provided with a plurality of channels adapted to receive the fish delivered thereto from said chute.

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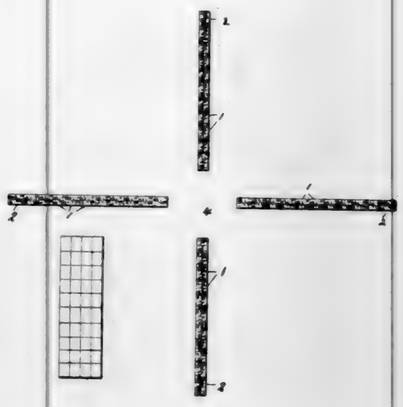
1,562,290. GAME. ROBERT CARLSON, Greenwich, Conn. Filed Apr. 3, 1925. Serial No. 20,532. 1 Claim. (Cl. 273—152.)

A game apparatus comprising a field having rows of blocks thereon, each comprising an equal number and being consecutively numbered, the inner pieces of the respective rows defining on the field, therebetween, a goal, other playing blocks representing attackers arranged to the rear of the respective rows, other playing blocks similar to the defenders having their faces down



on the field and representing reserves and a number of such reserve blocks providing the force of the attackers.

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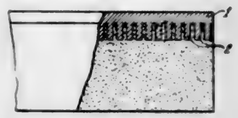
1,562,291. ROADWAY, PAVING BLOCK, AND THE LIKE. GERALD OTLEY CASE, London, England, assignor to Rubacrete Limited, London, England. Filed Sept. 7, 1923. Serial No. 661,524. 6 Claims. (Cl. 94—11.)



1. In roadways and blocks for roadways and paving purposes, in combination, a rubber layer and a foundation of cement, or the like, to which the said rubber layer is attached, and means for attaching, comprising numerous pins of relatively small cross sectional area integral with the rubber layer, and of a length substantially greater than their largest width, each pin being completely surrounded by the said cement, and being equally spaced apart in the said cement in such a manner that the area viewed in plan of the said pins and the area of the unperforated foundation is approximately the same, whereby both shearing of the pins and creeping, or rising of the layer are prevented.

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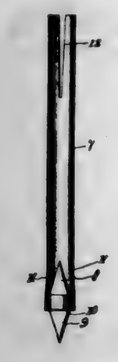
1,562,292. PENCIL HOLDER. HAMILTON DUDLEY COLEMAN, Biloxi, Miss. Filed July 14, 1924. Serial No. 725,942. 2 Claims. (Cl. 120—9.)

1. A pencil holder comprising a tubular holder having split ends with diametrically opposite slots extending axially of the holder and through the ends thereof, the slots at one end being offset circumferentially with respect to the slots at the other end of the holder and the slots at one end having divergent walls and being



of greater length than the slots in the other end, and a short length of pencil sharpened upon both ends having a rubber band extending about the intermediate



part thereof and adapted to engage frictionally with the walls of the holder, said pencil adapted to be received wholly within the holder at the longer split end thereof.

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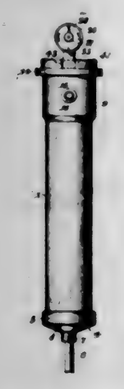
1,562,293. ELECTRIC WATER HEATER. GEORGE B. CONKLIN, Miami, Fla., assignor of fifty-one per cent to Moman Pruiett, one-fourth to Orban C. Patterson, and twenty-four per cent to Vernon Price Williams, all of Miami, Fla. Filed July 25, 1924. Serial No. 728,163. 1 Claim. (Cl. 219—39.)



In a water heater of the character described, a relatively long casing having an inlet and an outlet through the sides thereof and closed at one end, an interiorly and exteriorly threaded collar threaded into the upper end of said casing, a plug of insulation threaded into said collar, a bare electrical resistance element depending from said plug into said casing for direct contact with a fluid therein, and means for conducting an electric current to said elements.

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1,562,294. LEG AND FOOT DEVELOPER. JOHN J. COOPER, New York, N. Y. Filed Apr. 23, 1925. Serial No. 25,372. 10 Claims. (Cl. 128—80.)

4. In an appliance for use in subjecting the feet and legs to corrective treatment, a waist belt, billets extending upwardly from said belt, suspenders, and coacting fastener means on said billets and on said suspenders at the back and front of the latter; together with ligaments suspended from said belt and adapted to be dis-

posed along the legs of the wearer, and means to hold said ligaments at their lower ends to the legs of the wearer.

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1,562,295. PROCESS OF PRODUCING CYANIDE SOLUTIONS. KENNETH F. COOPER, Great Neck, N. Y., assignor to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Feb. 21, 1923. Serial No. 620,503. 12 Claims. (Cl. 75—185.)

1. The process of preparing a solution suitable for extracting precious metals from their ores, which consists in dissolving in water a crude cyanide compound containing calcium carbide, and sulphide sulphur, to get rid of said carbid; and aerating the solution thus obtained with a gas containing oxygen to change said sulphide sulphur into the thiocyanate form.

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1,562,296. SLAB FOR RAILWAY CROSSINGS. FREDERICK DOUGLAS COPPOCK, Greenville, Ohio. Filed Aug. 14, 1925. Serial No. 50,292. 10 Claims. (Cl. 238—8.)

1. A slab comprising a combined armor and reinforcing element including a metallic frame having arranged therein and connected therewith spaced reinforcing bars, and a body portion of non-metallic material completely filling and flush with the side and end edges of the frame, said body portion completely enveloping said rods.

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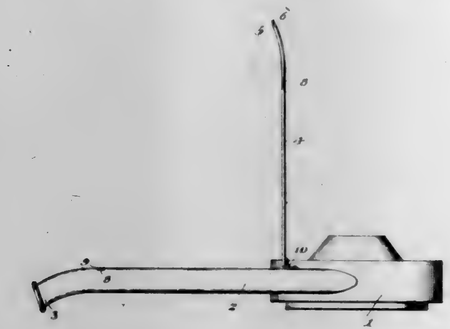
1,562,297. MILK AND CREAM SEPARATOR SPOUT. PEARL COVER, Anna, Ill. Filed May 1, 1925. Serial No. 27,324. 1 Claim. (Cl. 233—1.)

In a cream separator discharge spout, a spout body having a longitudinally extending slot therein, a door correspondingly shaped to the slot and snugly closing

the same, a hinge connecting one end of the door to one end of the slot, the slot in opposite side edges being formed with notches, and lugs on opposite side edges of



the door to engage the notches for holding the door relative to its inner and outer surfaces flush with corresponding surfaces of the spout.

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1,562,298. TRIDIMENSIONAL RADIOCOMPASS. CLARENCE C. CULVER, Washinton, D. C. Filed June 9, 1922. Serial No. 567,131. 2 Claims. (Cl. 244—2.)

1. In combination with an airplane, adjustable means for locating a source of radiant energy substantially athwart the longitudinal axis of said airplane, and further means for guiding said airplane toward said source by localizing the reception of radiant energy athwart said airplane at an angle oblique to the longitudinal axis of said plane.

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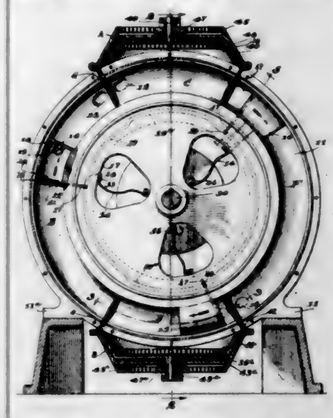
1,562,299. ROTARY INTERNAL-COMBUSTION ENGINE. ARTHUR B. CUNDY, Durango, Colo., assignor of four-twelfths to Frank Lake, jr., three-twelfths to Glen A. Stokes, one twenty-fourth to A. R. Mollette, and one twenty-fourth to R. S. Clements, all of Durango, Colo. Filed July 26, 1923. Serial No. 654,017. 7 Claims. (Cl. 123—13.)

1. The combination, in a rotary engine, of an annular cylinder, a series of hollow pistons movable therein, an inlet valve carried by the front end of each piston, an outlet valve carried at the opposite end of each piston, a pair of cylinder heads comprising each a pair of circular shells mounted to rotate about an axis perpendicular to that of the cylinder and positioned to intersect the bore of the cylinder and to form therewith a pair of compression chambers separated by intervening combustion chambers, the shells of each pair being provided with slots adapted to be alternately brought into registration at opposite ends of the compression chamber to permit the pistons to pass into and out of the same, fuel inlets communicating with said compression chamber, exhaust passages leading from said combustion chambers, and means acting automatically to hold the outlet valve of



each piston closed during movement of the piston through said compression chambers and to permit opening of said valve upon escape of the piston from said compression chambers.

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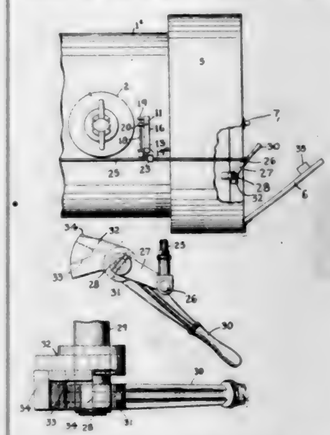
1,562,300. VEHICLE TANK. AUGUSTINE DAVIS, JR., Covington, Ky., and ARTHUR L. BETTS, Cincinnati, Ohio; said Betts assignor to said Davis. Filed May 15, 1920. Serial No. 381,575. 5 Claims. (Cl. 221—67.)

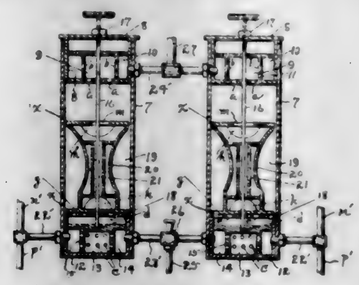


1. The combination with a vehicle tank having an outlet, and a box having a door, of a valve adapted to close the outlet, operating connections passing from the valve to the box, a catch cooperative with a member of said connections to hold the valve open, and means whereby closing of the door disengages said member from the catch.

4. In combination with a vehicle tank provided with an outlet, and a box at the end of the tank having a door, a valve commanding said outlet, a connection passing upward from the valve through the top of the tank, a longitudinally movable control rod connected therewith and extending lengthwise over the top of the tank, a vertical rock-shaft the upper end of which is connected to the rear end of said control rod, said rock-shaft passing downward into the box, and a lever connected with said rock-shaft within the box.



1,562,301. AUXILIARY CARBURETOR. CLYDE M. DAWDY, Boone, Iowa. Filed Jan. 7, 1925. Serial No. 1,096. 7 Claims. (Cl. 48—180.)



1. In an auxiliary carburetor, a cylindrical casing, a cylindrical receptacle within and closing one end of the casing, said receptacle being provided with annular chambers in communication with each other and having a valve seat formed in its inner end, a second cylindrical receptacle within and closing the opposite end of the casing, said second receptacle being provided with annular chambers in communication with each other and having apertures formed in its inner end, a hollow slide valve disposed within the casing to permit movements between said receptacles and having a by-pass in communication with the annular chambers of the second receptacle, a needle valve for said valve seat, said needle valve having a stem traversing the by-pass and threaded in the second cylindrical receptacle, an intake pipe having branches in communication with a chamber of the first named cylindrical receptacle, and a discharge pipe in communication with a chamber of the second cylindrical receptacle.

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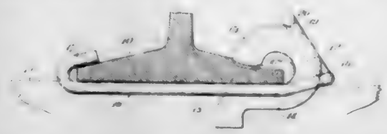
1,562,302. RESPIRATORY MASK. JOHN MANSFIELD DEAN and ANDREW N. KITTRELLE, Memphis, Tenn. Filed May 1, 1923. Serial No. 636,003. 12 Claims. (Cl. 128—146.)

1. In a respirator, a unitary structure comprising an upper nose enclosing elastic portion having a plurality of apertures at the lower end thereof, and a lower mouth covering resilient portion, means to provide a forwardly extending semicircular antiseptic chamber projecting into and resting upon the lower end of and enclosed by said nose enclosing portion, said chamber opening into the mouth covering portion for the insertion of antiseptic carrying material, and having a plurality of apertures through the upper and lower sides thereof, the lower apertures aligning with the apertures in the nose enclosing portion and the other apertures opening upwardly through the nose enclosing portion, and means hingedly attached to said resilient portions for retaining the same in position when in use.



1,562,303. RAIL ANCHOR. WILLIAM H. DE BUSK, Chicago, Ill., assignor to The P. & M. Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 9, 1924. Serial No. 731,061. 11 Claims. (Cl. 238—315.)



1. A rail anchor comprising a clip adapted to be driven into operative gripping engagement with the flange of a rail, and a retaining member adapted to be hooked over the edge of the flange at the opposite side of the rail and then to be brought into snap engagement with the clip for holding the clip against backing transversely from the flange.

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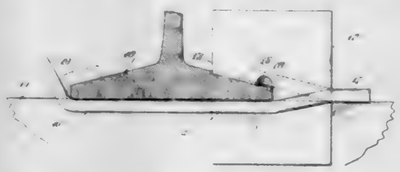
1,562,304. RAIL ANCHOR. WILLIAM H. DE BUSK, Chicago, Ill., assignor to The P. & M. Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 9, 1924. Serial No. 731,062. 9 Claims. (Cl. 238—315.)



1. A rail anchor comprising a clip adapted to have a driving fit upon the flange at one side of a rail, and a retaining member for holding said clip from backing transversely from the rail, comprising an arm at one end of the member extending along one face of the clip and supported in position by contact with the upper face of the flange of the rail, and means at the other end portion adapted to engage, in the application of the member to the rail, around the edge of the flange at that side of the rail.

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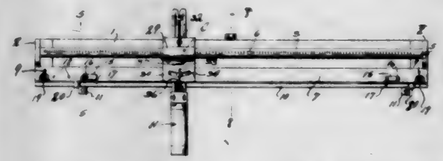
1,562,305. SAW-FILING MACHINE. GEORGE DECHERT, Detroit, Mich. Filed Jan. 31, 1925. Serial No. 6,113. 7 Claims. (Cl. 76—78.)



1. An apparatus of the class described comprising, in combination, a base, means coacting with the base for clamping a saw thereto, means for supporting a tool by the base, attaching means carried by the extremities of the base, and means operating to elevate the central portion of the base.

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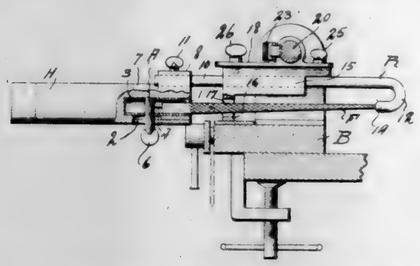
1,562,306. FILE HOLDER. GEORGE DECHERT, Detroit, Mich. Filed Jan. 31, 1925. Serial No. 6,114. 5 Claims. (Cl. 76—36.)

1. A file holder comprising, in combination, a handle member provided with a socket, a sleeve fitting within said socket and having its outer end portion slotted, a screw threaded through the slotted portion of the sleeve

to contract and expand said slotted portion, said sleeve being adapted to receive an end portion of a file, and means carried by the handle member to engage and support the outer end portion of the applied file said means comprising two rod members disposed longitudinally of



the handle member and in parallelism to each other, the outer end portions of the rods being connected by an inwardly extending and downwardly disposed intermediate member adapted to receive the outer end of the file, the inner ends of the rods being adjustably secured to openings in the handle member.

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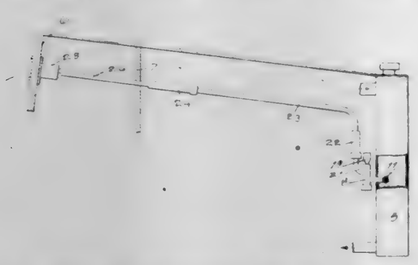
1,562,307. SIGNALING DEVICE. JOSEPH DEL COZZO, Scotia, and ALBERT W. GOBLE, Fortuna, Calif. Filed Jan. 16, 1925. Serial No. 2,915. 1 Claim. (Cl. 116—109.)



In a device of the character described, the combination with a radiator for an internal combustion engine, of a casting having a tubular portion secured to said radiator at a point below the normal water-line of said radiator and communicating with the interior thereof, a chamber formed in said casting, a buoyant ball positioned in said chamber, a bore formed in said casting and adapted to be closed at one end by said buoyant ball when said chamber is filled with water from said radiator, a second ball adapted to close the opposite end of said bore from that closed by said first mentioned ball, spring means for retaining said second mentioned ball in closed position, an auxiliary whistle secured to said casting at a point adjacent said second mentioned ball and in such a manner that said second mentioned ball will be positioned between said bore and said whistle, a whistle remotely located with respect to said casting, and a pipe for conducting pressure from said bore to said last mentioned whistle.

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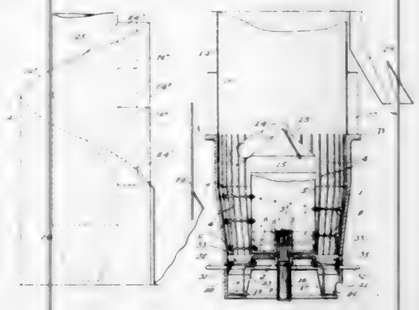
1,562,308. APPARATUS FOR DEFIBRATING COTTONSEED AND THE LIKE. EDWARD CARSTENSEN DE SEGUNDO, London, England. Filed Nov. 2, 1922. Serial No. 598,661. 4 Claims. (Cl. 19—46.)

1. An apparatus of the class described, comprising a defibrating chamber having a portion of its interior formed conically and another portion of its interior formed cylindrically, a series of beaters rotatably mounted in the conical portion of said chamber, means for adjusting said series of beaters lengthwise of said conical portion to vary the clearance between said beaters and the wall of said conical portion, a second series of beaters mounted to rotate in said cylindrical portion,



and a ring mounted in said cylindrical portion having a beveled face lying adjacent said second series of beaters, said ring being movable lengthwise of said cylindrical portion for varying the clearance between said second series of beaters and the beveled portion of said ring.

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1,562,309. METHOD OF CONCENTRATING AND DRYING FRUIT JUICES. WALTER H. DICKERSON, East Orange, N. J., assignor to Industrial Waste Products Corporation, Dover, Del., a Corporation of Delaware. Filed Aug. 2, 1922. Serial No. 579,299. 5 Claims. (Cl. 99—5.)

1. The method of treating fruit juices, which consists in concentrating same by freezing to thereby preserve the aromatic ethers thereof, and then drying to a powder by spraying the concentrate into a hot gas.

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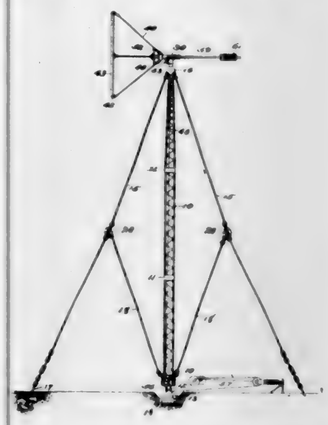
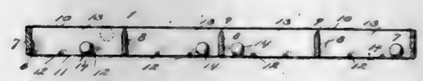
1,562,310. MOORING MAST FOR AIRSHIPS. VICTOR H. DELL, Dayton, Ohio. Filed June 9, 1923. Serial No. 644,482. 11 Claims. (Cl. 244—2.)



1. An airship mooring mast embodying a mast, a mast head rotatable on a vertical axis at the top of the mast, a bumper head pivotally mounted on the mast head on a horizontal axis, said bumper head being balanced upon said pivot and an anchor line reeved through the mast, mast head and bumper head.



1,562,311. CLEANER FOR SIFTING SCREENS. CHANDOS ROY DIMM, Muncy, Pa., assignor to Robinson Manufacturing Company, Muncy, Pa., a Corporation of Pennsylvania. Filed Mar. 26, 1925. Serial No. 18,490. 4 Claims. (Cl. 83—56.)



1. A sifting means comprising a frame with dividing partitions extending transversely the full width thereof at distances apart, an upper sifting screen, a lower supporting screen surface having larger mesh than the said sifting screen, the two screens with the frame and partitions forming enclosed compartments, rods extending across the compartments in contact with and extending slightly above the lower screen surface, and resilient balls mounted in the compartments for free movement and contact with and over the rods to quickly and effectively cause a bounding action of the balls when the frame and screens are subjected to vibratory motion for cleaning the meshes of the upper sifting screen.

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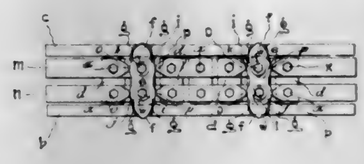
1,562,312. ROLLER BEARING. CHARLES F. DRAPER, Westmount, Quebec, Canada. Filed Aug. 9, 1923. Serial No. 656,475. 6 Claims. (Cl. 308—207.)

1. In a roller bearing the combination with a base, a roller resting on the base and a bearer resting on the roller, of a controller connected to an end of the roller and having oppositely projecting similar cams slidably engaging openings in the base and bearer.

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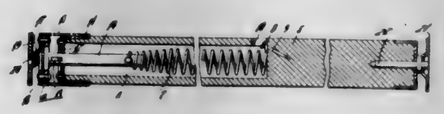
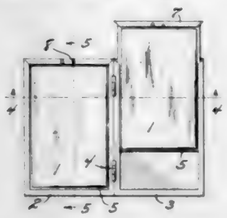
1,562,313. SHADE ROLLER. FRANK B. DUNCAN, Toledo, Ohio. Filed Nov. 22, 1924. Serial No. 751,586. 2 Claims. (Cl. 150—36.)



1. A shade roller provided with a coil spring, a ferrule rotatably supported on one end thereof, a T-shaped member fixed to the ferrule and having one end connected with the spring, a disk fixed to the ferrule, an offset tongue carried by the disk, a keeper on the bracket and receiving the tongue to hold the ferrule stationary, the tongue being adapted to be disengaged from the keeper and the ferrule being subsequently rotated to adjust the spring.

1,562,314. DUPLICATOR. CARLOS ALFRED ELKINS, Dunning, Nebr. Filed Dec. 27, 1924. Serial No. 758,456. 2 Claims. (Cl. 101—131.)



1. A device of the class described comprising a sectional case, the sections of which are hinged together, a plate slidably mounted in each section so that it can be removed therefrom and a duplicating surface carried by each plate.

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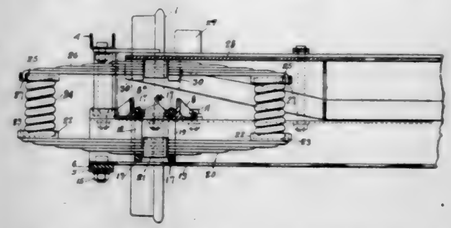
1,562,315. RAILWAY-CAR TRUCK. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 24, 1922. Serial No. 546,338. 7 Claims. (Cl. 105—192.)



1. In a car truck, the combination with the wheels, axles and side frames proper, of inwardly extending spring supports secured to said side frames and having inwardly spaced bearings thereon, laterally swinging links mounted on each bearing, a pair of leaf springs at each side frame sustained by the distal ends of said links, a pair of helical springs mounted on the ends of said leaf springs, a pair of leaf springs at each side frame supported upon said helical springs, and a bolster having its ends mounted on the latter leaf springs.

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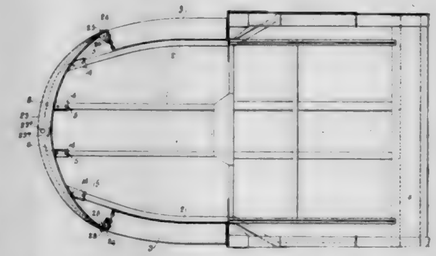
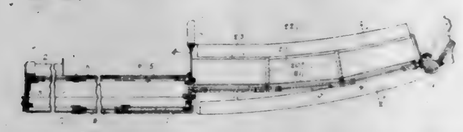
1,562,316. BUFFER FOR RAILWAY CARS. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Winton Place, Ohio, a Corporation of Ohio. Filed Nov. 12, 1924. Serial No. 749,526. 14 Claims. (Cl. 213—220.)



1. A railway car buffer comprising a bar of sheet metal, serpentine in cross section, whereby a plurality of ribs are produced, and provided with a coupling pin

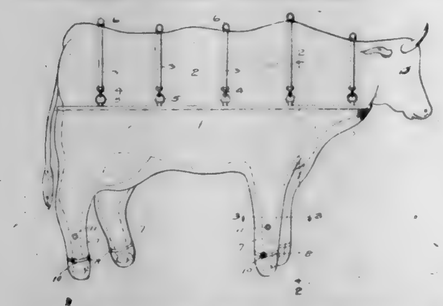
hole extending through the several ribs and having a link recess formed within one of the serpentine bends and intersecting the pin hole.

1,562,317. RAILWAY CAR. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Winton Place, Ohio, a Corporation of Ohio. Filed Jan. 8, 1925. Serial No. 1,162. 4 Claims. (Cl. 20—2.)



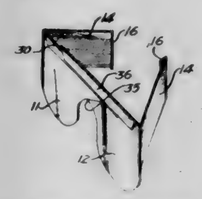
1. In a car, the combination with a side wall having a pocket and a platform having a doorway, of a door mounted to slide from the pocket to the doorway and vice versa and composed of sections flexibly connected together, and a guard made in sections and connected each to a section of the door.

1,562,318. STOCK-DISINFECTING COVER. VICTOR E. ERLANDSON, Osakis, Minn. Filed Nov. 2, 1923. Serial No. 672,425. 2 Claims. (Cl. 119—156.)



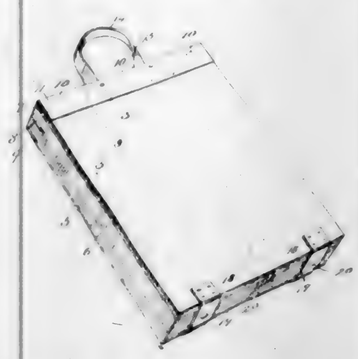
2. An applicator for applying a disinfectant to animals, comprising a body having a trough-shaped portion and depending leg portions which are closed at their lower ends, means for supporting the trough-shaped portion upon the body of an animal, valve controlled outlet openings provided upon the leg portions and spaced above the lower ends thereof, and means located between said openings and the lower ends of the leg portions for contracting the leg portions around the legs of the animal.

1,562,319. GOGGLES. HARRY K. FAIRALL, Los Angeles, Calif. Filed Sept. 30, 1922. Serial No. 591,530. 12 Claims. (Cl. 2—14.)



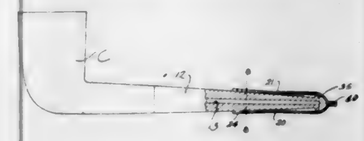
1. Goggles of the class described, comprising; a pair of lenses formed of transparent material; means joining said lenses together; and temple members formed integrally with said lenses extending rearwardly from said lenses, said temple members being resiliently maintained against the temples of the wearer for the purpose of providing a grip for holding said goggles in place.

1,562,320. PORTABLE DISPLAY OR SAMPLE BOOK. HENRY A. FARLEY, Hackensack, N. J., assignor to The Tait Paper & Color Industries, Inc., Hackensack, N. J., a Corporation of New York. Filed July 2, 1924. Serial No. 723,812. 7 Claims. (Cl. 281—21.)



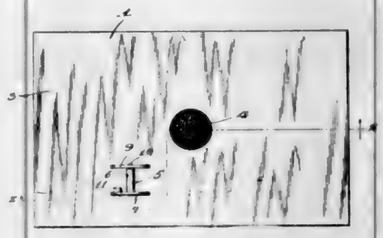
1. A portable display or sample book of the class specified, having flexible covers and leaves bound at one end with the covers, the bound end of the book having binding strips applied to the flexible covers and leaves in spaced relation, and a flexible handle having the ends inset and secured within the intermediate binding strip and held firmly between the bound leaves.

1,562,321. SANITARY PROTECTOR FOR THE STEMS OF SMOKERS' APPLIANCES. ARTHUR F. FRATTINGER, Seattle, Wash. Filed Mar. 13, 1924. Serial No. 699,002. 9 Claims. (Cl. 131—12.)



1. A sanitary protector for the stems of smokers' appliances comprising a body formed as a receptacle provided with an open end and having one side thereof recessed inwardly from the margin at the open end to facilitate insertion of the stem into the body.

1,562,322. GAME. CLINTON GITCHEL, Kearney, Nebr. Filed June 2, 1925. Serial No. 34,428. 6 Claims. (Cl. 273—115.)



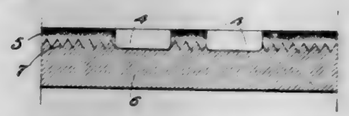
6. A game comprising a game board and a playing piece cooperable with the board and having fixed and loose supporting elements rollable thereover.



1,562,323. METHOD OF LITHOGRAPHIC PRINTING. WILLIAM GRASS, Weehawken, N. J., assignor to Grass Patents Corporation, New York, N. Y. Filed Feb. 10, 1916. Serial No. 77,489. Renewed Mar. 11, 1922. Serial No. 543,090. 12 Claims. (Cl. 95—5.7.)

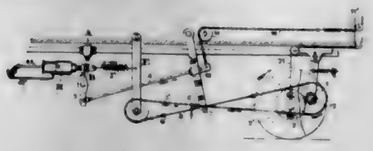
1. A process of lithographic printing for newspapers and other purposes, in which a lithographic metal plate is produced by photographing light-reflecting directly reading and individually set up letters having a non-reflecting background, and from the negative so made printing on the plate, and causing said plate to have a normal high ink rejecting surface and surfaces at a slightly lower level, said lower surfaces constituting the design or matter to be printed.

1,562,324. LITHOGRAPHIC PLATE AND METHOD OF MAKING THE SAME. WILLIAM GRASS, Weehawken, N. J., assignor to Grass Patents Corporation, New York, N. Y. Filed May 14, 1920, Serial No. 381,386. Renewed Apr. 29, 1925. 10 Claims. (Cl. 41—42.)



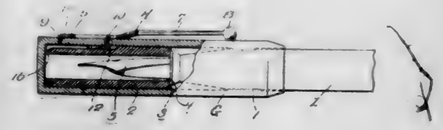
1. In a method of producing a printing surface on a metal lithographic plate, etching the plate and removing the surface thereof in exposed and defined places by subjecting it, while partly protected by a film, to the action of an etching bath containing a neutralized acid, and containing in addition an etching acid.

1,562,325. METHOD AND DEVICE FOR BRAKING RAILWAY AND OTHER VEHICLES. PAUL HALIOT, Paris, France. Filed May 4, 1922. Serial No. 558,415. 6 Claims. (Cl. 303—24.)



1. A braking device for vehicles comprising in combination a braking element adapted to be applied to a moving part of the vehicle for resisting movement of the vehicle wheels, means for applying the braking element, means cooperating with the applying means for reinforcing and rendering more uniform the action of the brakes and comprising a rotating means provided with centrifugally operated means, and means controlled by the centrifugal means for adding power to the first mentioned brake applying means, said brake applying means including a conduit, a fluid actuating means, a conduit connected with the fluid system, and means connected with the conduit adapted to be actuated by the fluid from said conduit and cooperating with the brake applying means to secure a simultaneous and instantaneous setting action of the brakes.

1,562,326. FOUNTAIN-PEN CLIP. CHARLES HARDY, New York, N. Y., assignor to Amsco Products, Inc., New York, N. Y., a Corporation of New York. Filed July 11, 1924. Serial No. 725,360. 6 Claims. (Cl. 24—11.)

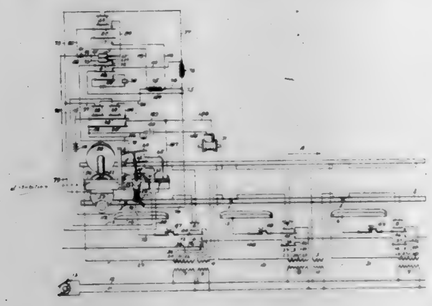


1. A pen clip comprising, a body portion having the usual spring extension, a pair of tangs provided upon said body portion for use in attaching the body portion to the pen cap, at least one of said tangs being adapted to extend through a suitable aperture of the pen cap and to be bent over internally of the pen cap, and said mentioned tang having at least a portion of itself bent to stand normally at an acute angle to the longitudinal plane of said clip so as thereby to facilitate the further bending of said tang when attaching the clip to the pen cap.

1,562,327. VALVE-GUIDE CLEANER. KARL HEDEEN, Chicago, Ill., assignor to Fleming Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 17, 1923. Serial No. 681,176. 1 Claim. (Cl. 15—104.09.)

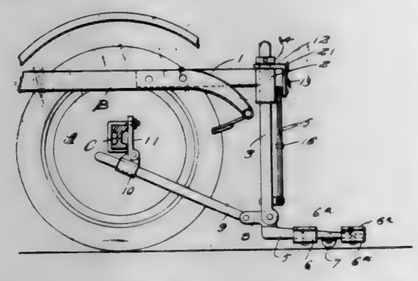
A device for cleaning the openings in which valve stems of an internal combustion engine are placed comprising a rotatable shaft, two bearing collars, permanently secured to the shaft, each collar having an annular recess in its inner ends, wires having their ends secured in the recesses, the position of the collars on the shaft causing the wires to assume a bowed out and a twisted position relative to the axis of the shaft, the collars being of a size to provide bearing surfaces when the device is inserted in a valve stem opening to be cleaned, and said wires being circular in cross section to produce a smooth finished surface in the opening when the shaft is rotated.

1,562,328. AUTOMATIC TRAIN-CONTROL SYSTEM. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Feb. 5, 1915, Serial No. 6,248. Renewed Oct. 2, 1920. Serial No. 414,337. 41 Claims. (Cl. 246—180.)



1. In an automatic train control system, in combination: a trackway divided into track circuit sections and having a movable vehicle thereon; a movable contact member positioned on the movable vehicle; means governed by the track circuit sections for creating a high, medium or low difference of potential between the ramp and a rail of the trackway; a partial circuit on said vehicle including an impedance and a relay; means for closing said partial circuit by the contact of the contact member with the ramp and energizing said relay and causing it to lift its armature when a high difference of potential exists between the ramp and a rail of the track; a second relay; means governed by said first relay for energizing said second relay; means including a circuit controller governed by said movable contact member for maintaining said second relay energized; means governed by said second relay for forming a shunt path about said impedance whereby the medium difference of potential between the ramp and a rail will when the contact member contacts a ramp energize the first mentioned relay sufficiently to cause it to raise its armature; means governed by the second mentioned relay for controlling the movable vehicle; and means for governing the vehicle controlled by the low difference of potential.

1,562,329. BUMPER. HERBERT E. HUDGINS, Shreveport, La. Filed Mar. 17, 1925. Serial No. 16,168. 4 Claims. (Cl. 293—45.)

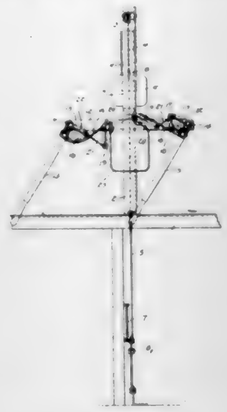


3. In combination with a motor vehicle having side beams and an axle, a bar secured to each side beam, a tubular guide on each bar, a rod slidably mounted in each guide, an arm pivotally mounted on each rod and having an extension, a rod pivotally engaging said extension, a guide for said rod pivotally mounted on the axle, and a platform carried by said arms.

1,562,330. WELDING, BRAZING, AND TEMPERING COMPOUND. GLEN V. IRELAND, Miles City, Mont. Filed June 17, 1925. Serial No. 37,862. 2 Claims. (Cl. 148—26.)

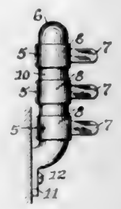
1. A welding and tempering flux in the form of a dry mixture of powdered borax, 85 parts, carbonate of iron, 12½ parts and bicarbonate of soda, 2½ parts.

1,562,331. STRIPPING DEVICE. FRANK FRASER JAMIESON, Montreal, Quebec, Canada, assignor to The Goodyear's India Rubber Glove Manufacturing Company, a Corporation of Connecticut. Filed Jan. 20, 1923. Serial No. 613,819. 6 Claims. (Cl. 18—2.)



3. In a stripping device for removing hot water bottles from cores, reciprocable means for holding a core, a pair of hooks for engagement with the interior of the bottle neck, said hooks having grooves adapted to interfit with the edges of the core, means for laterally moving the hooks to stretch the bottle neck, and means for withdrawing the core.

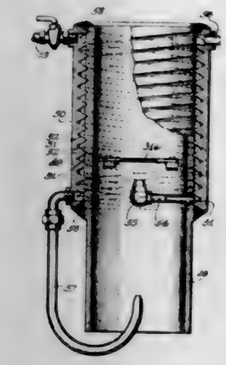
1,562,332. THICKNESS GAUGE OR FEELER. FERNANDO OSCAR JACQUES, Jr., Providence, R. I., assignor of one-half to The Central Tool Company, Cranston, R. I., a Corporation of Rhode Island. Filed Oct. 2, 1922. Serial No. 591,935. 1 Claim. (Cl. 33—201.)



As a new article of manufacture, a thickness gauge or feeler for gas engines comprising a holder member 6 having a round elongated body 10 on which is a flattened end 11, means for securing the flattened end 11 to a relatively fixed object, a thickness gauge or feeler 5, having an elongated flat blade 7 of the required thickness and which forms the thickness gauge or feeler part and on one end of which is a horse-shoe shaped spring clip 8 to be mounted on the holder member 6, the blade 7 having the required thickness, for the purpose as required.

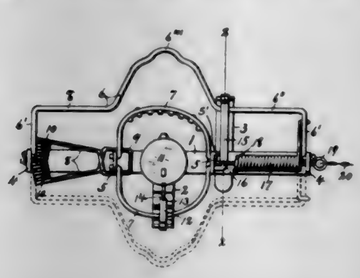


1,562,333. BURNER AND GENERATOR. LEO C. JOHNSON, Detroit, Mich. Filed Feb. 11, 1922. Serial No. 535,079. 7 Claims. (Cl. 158—57.)



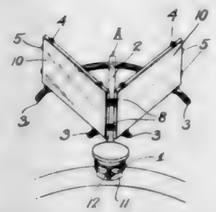
5. The combination with an open end casing, said casing having a helical groove in the outer wall thereof, a fuel jet extending into said casing and adapted to have fuel ignited at said jet to heat said casing, a fuel generator having an interior screwthread in the groove of said casing providing a helical chamber in which liquid fuel is converted into a gaseous fuel, and means in connection with said generator for producing a partial vacuum in one end of said casing so that air will be drawn therein to communicate with the gaseous fuel ignited within said casing.

1,562,334. ANIMAL TRAP. ALLAN C. JONES and JEREMIAH O'NEIL, Oneida, N. Y., assignors, by mesne assignments, to Animal Trap Company of America, Lititz, Pa., a Corporation of Pennsylvania. Filed Nov. 13, 1923. Serial No. 674,452. 1 Claim. (Cl. 43—90.)



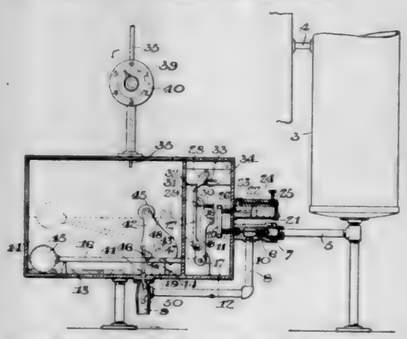
An animal trap comprising a frame, cooperative jaws pivoted to the frame, a spring for closing the jaws, releasable means for holding the jaws open against the action of the spring, a striker-bar pivotally mounted on the frame on an axis parallel to the axes of the jaws so as to swing in opposite directions from a depressed position on one side to a like position on the other side of the jaws, a spring acting independently of the first named spring for moving the striker-bar in one direction, and means controlled by one of the jaws for holding the striker-bar against the action of its spring when the jaws are held open, said striker-bar being of such shape and dimensions relatively to the jaws and the frame as to swing over the jaws and beyond and without engaging the frame or parts carried thereby.

1,562,335. REFLECTING DEVICE FOR MOTOR VEHICLES. CHARLES WADE JONES, Seattle, Wash. Filed May 4, 1925. Serial No. 27,945. 1 Claim. (Cl. 45—97.)



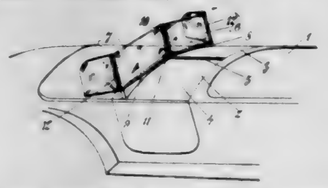
A device of the class described comprising a supporting frame consisting of a forwardly extending bar and curved arms connected with the bar and a split ring connected with the inner end of the bar, a pair of side frames hingedly connected together at the inner ends and having slots in the lower ends for receiving the arms, set screws for holding the side frames in adjusted position on the arms and mirrors carried by the side frames.

1,562,336. BLOW-OFF FOR BOILERS. HERMAN M. KAUL, Cedarburg, Wis. Filed Apr. 26, 1922. Serial No. 556,589. 10 Claims. (Cl. 137—45.)



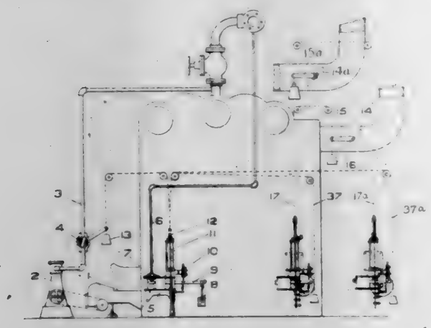
1. In a boiler blow-off system, the combination, with the blow-off valve, of a float tank, a float in said tank, means for controlling the flow of liquid to and from the tank to produce periodic operation of said float, and means moved by the float on its upward movement for effecting the sudden opening of said valve independent of the rate of flow of the liquid into said tank.

1,562,337. REAR SHIELD WITH AUTOMATIC WINDSCREEN. JEAN CLEMENT KELSCH, Levallois-Perret, France. Filed Sept. 16, 1924. Serial No. 738,095. 5 Claims. (Cl. 296—85.)



1. A rear shield for motor vehicles, including horizontally disposed panels adapted for independent movement, wind screens carried by and projecting above the panels, and connections between the wind screens and panels to permit the wind screens to automatically fold in the opening movement of the panels.

1,562,338. APPARATUS FOR CONTROLLING COMBUSTION. JAMES LEWIS KIMBALL, Salem, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass., a Corporation of Massachusetts. Filed Feb. 11, 1924. Serial No. 692,050. 8 Claims. (Cl. 236—26.)



1. In a regulator comprising a reversible motor and an operating element for controlling said motor, a cam member for actuating said operating element, and an adjustable compensator operated by said motor coacting with said cam whereby the operating element is jointly controlled by said cam and by the operation of said motor to effect a variable step by step control of said motor.

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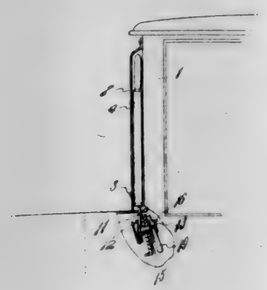
1,562,339. DIRECTION SIGNAL FOR AUTOMOBILES. HERBERT G. KING, Victoria, Tex. Filed June 7, 1924. Serial No. 718,596. 2 Claims. (Cl. 116—52.)



1. In an automobile direction signal, the combination of an automobile body, a swinging semaphore arm having fixed in and to its heel portion a circumferentially grooved circular member, a retractile spring connected at its end to said member and arranged to partly lie in the groove of the member, a pulley mounted within the automobile body and having a circumferential groove, a cable connected to said member and pulley and arranged to partly lie in the grooves thereof, means for operating said pulley, and means for adjustably fixing the pulley.

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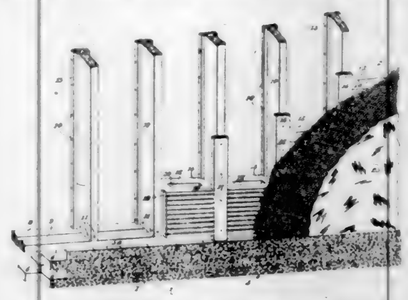
1,562,340. BUILDING CONSTRUCTION. ALEK KISS, Flint, Mich. Filed Apr. 18, 1925. Serial No. 24,100. 3 Claims. (Cl. 72—32.)

1. In a building construction, a wall consisting of a baseboard, a plurality of uprights fastened to said baseboard, a vertical row of blocks positioned between each adjacent pair of uprights, said blocks having their vertical edges rabbeted, holding strips fastened to the uprights and received within the inner rabbeted edges of the rows of bricks, locking boards fastened to the outer



faces of the uprights and projecting laterally into the outer rabbeted edges of the rows of blocks, and a finishing coat fastened to the locking boards.

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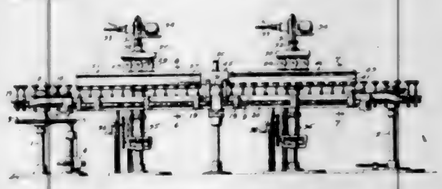
1,562,341. METHOD OF AND APPARATUS FOR GLAZING AND POLISHING GLASSWARE. ALBERT BREAKENRIDGE KNIGHT, Fairmont, W. Va. Filed Dec. 13, 1923. Serial No. 680,519. 8 Claims. (Cl. 49—58.)



1. The herein described method of polishing and glazing glassware which consists in subjecting the ware to the action of a polishing burner, lowering the temperature of the ware, and subjecting it to the action of a glazing burner.

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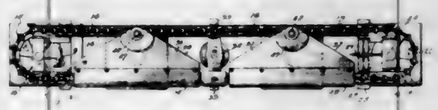
1,562,342. GLASS-WORKING BURNER. ALBERT BREAKENRIDGE KNIGHT, Fairmont, W. Va. Filed Dec. 17, 1923. Serial No. 681,232. 4 Claims. (Cl. 49—58.)



1. A device of the character described comprising a substantially fan shaped casing divided to form a plurality of substantially fan shaped mixing chambers having a common wall at their outer ends, said wall being provided with a plurality of sets of burner nozzles each set communicating with one of said chambers, means for conveying articles of glassware progressively past said nozzles, means for supplying fuel to said chambers, and means for independently controlling the flow of fuel to said chambers whereby heat areas of progressively increasing intensity are provided adjacent said nozzles in the path of travel of the glassware.

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1,562,343. POST. LEROY W. LA BORE, Osborne, Kans. Filed Dec. 5, 1923. Serial No. 678,737. 1 Claim. (Cl. 189—30.)

A post formed of angle iron with its lower end flattened and bent into spiral shape to form an auger for entering the ground and a reinforcing piece fastened to the lower end of the post and having a point passing through the spiral, said reinforcing piece having its top

part of the angle shape to engage the lower part of the angle-shaped post with its pointed part contacting with the spiral at intervals.

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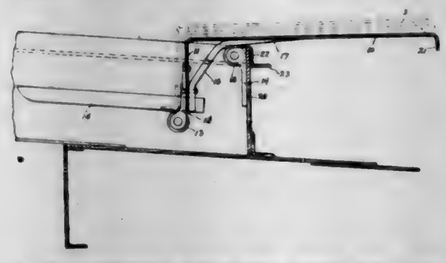
1,562,344. HATCH COVER. JOHN LA FRANCE, Lorain, Ohio, assignor to The American Ship Building Company. Filed July 11, 1923. Serial No. 650,788. 4 Claims. (Cl. 114—202.)



1. The combination with spaced parallel hatch coamings, a series of covers movably supported at either end upon said coamings, said covers lying parallel and overlapping each other, whereby movement of the same in one direction will cause said covers to be superposed upon the end one thereof, and means supporting such end cover when in a position extending over the end of said coaming, said means including two trackways and two rollers one of said trackways being mounted on said coaming and the other on said end hatch cover, and said rollers being also mounted one on said coaming and one on said cover and engaging said trackways.

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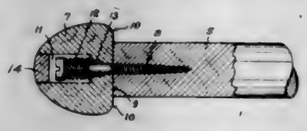
1,562,345. HOSE-TURNING DEVICE. ELMER G. LEACH and CLARENCE R. WADDLE, Olympia, Wash.; said Waddle assignor to said Leach. Filed June 15, 1925. Serial No. 37,145. 6 Claims. (Cl. 223—20.)



1. In a turning device of the class described, a handle, and a knob rotatably mounted on the end of said handle, said knob being of larger diameter than said handle and affording at its end adjacent said handle an unobstructed annular shoulder for engagement with an article to be turned.

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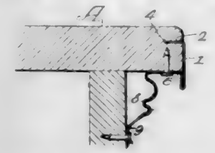
1,562,346. DRIP FOR PORCH FLOORS. PETER C. LEIDICH, Philadelphia, Pa. Filed May 27, 1925. Serial No. 33,199. 7 Claims. (Cl. 108—26.)



1. A porch floor drip comprising a metallic strip having a main longitudinal section adapted to lie in a vertical plane, a second section joining the main section at the top edge thereof and adapted to lie in a horizontal plane and to be driven into the ends of floor boards, and a third section connected with but located above the bottom edge of the main section, the said third section being adapted to engage the bottom surfaces of the said floor boards.

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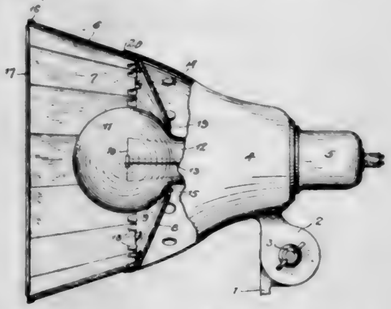
1,562,347. LIGHTING FIXTURE. ISAAC LIBSON, Brooklyn, N. Y., assignor to Sunlight Reflector Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Feb. 28, 1924. Serial No. 695,791. 1 Claim. (Cl. 240—103.)



A lighting fixture comprising a canopy bell, a lamp socket arranged at one end of the bell and projecting therefrom and adapted to support a lamp within the bell, in combination wih a reflector mounted at the mouth of the bell and comprising a frusto conical diffusion area arranged in extension of the annular wall of the canopy bell, and a central frusto conical spot-light area of greater pitch embraced within the canopy bell but spaced therefrom, the deviation of said spot-light area of the reflector from the wall of the canopy bell progressively increasing toward the axis of the fixture, said spot-light area being centrally apertured to accommodate the neck of an electric lamp inserted therethrough and through the canopy bell into the socket supported at the head of the latter, together with a universally adjustable supporting bracket secured to the canopy bell in the area between the socket and the reflector.

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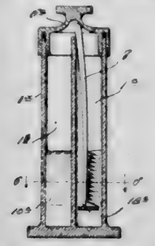
1,562,348. INDIVIDUAL TOOTHBRUSH STERILIZER AND HOLDER. JOHN W. LOCKERY, Scranton, Pa. Filed July 6, 1923. Serial No. 649,899. 1 Claim. (Cl. 206—15.1.)

An individual tooth brush holder and sterilizer comprising a body partitioned to provide two side by side compartments, one of said compartments being adapted to receive a predetermined quantity of antiseptic solu-

tion, a stationary foraminous rest bridging the walls of the other compartment and arranged adjacent the lower end thereof to support a tooth brush to drain therein, a cover for said body and being formed with a concavity overlying the partition whereby fumes from the antiseptic solution in the solution compartment will pass



above the partition into the other compartment and come in contact with the brush therein, parallel spaced flanges depending from the cover and engaging the inner and outer sides of the wall of the body and said wall and flanges cooperating to form a hermetically seal therebetween.

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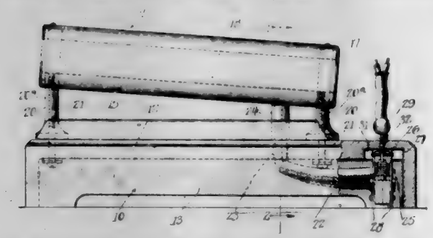
1,562,349. ELECTRICAL CURLING-IRON HEATER. THEODORE S. LORENZE and WARREN S. SCHMIDT, Chicago, Ill., assignors to The Master Electric Co., Chicago, Ill., a Corporation of Illinois. Filed May 4, 1925. Serial No. 27,694. 2 Claims. (Cl. 219—23.)



1. An electrical curling iron heater having, in combination, a hollow base of molded insulation comprising a flat top and a depending peripheral supporting wall, upright standards on the base, a heating muffle supported by said standards, lead wires extending through certain of the walls of the base and connecting said muffle to a source of current, a switch controlling the flow of current to said muffle, said switch being located beneath the top wall of the base and between said depending supporting wall so as to be concealed within the base, and an operating member for the switch projecting through the top wall of the base.

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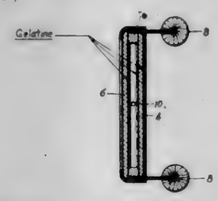
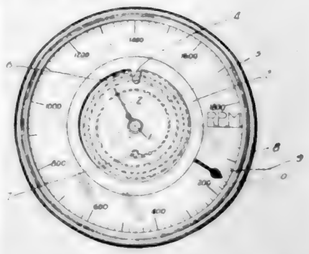
1,562,350. NONFOGGING, NONFROSTING DOUBLE-LENS GOGGLES. GEORGE P. LUCKEY, Dayton, Ohio. Filed July 15, 1922. Serial No. 575,408. 5 Claims. (Cl. 2—14.)




1. A double lens goggle having an air space therebetween, said lenses being sealed from the exterior and an air vent communicating between the outside and the space between said lenses.

1,562,351. TACHOMETER. GEORGE P. LUCKEY, Dayton, Ohio. Filed Oct. 26, 1922. Serial No. 597,101. 3 Claims. (Cl. 264—21.)



1. A tachometer embodying a rotary yieldable tappet, a rotatably mounted resiliently constrained ring having a projection lying in the path of said tappet and adapted to be struck thereby, indicating means fixedly secured to and movable with said ring and calibrated means positioned to indicate the amplitude of rotative displacement of said indicating means.

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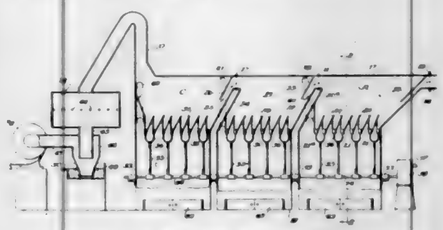
1,562,352. DUST COLLECTOR. FRANK A. LUNDQUIST, Chicago, Ill. Filed May 31, 1924. Serial No. 716,894. 5 Claims. (Cl. 183—111.)



1. In a device of the class described, a chamber having a horizontal partition provided with tapered slots inclined toward one upper corner of the chamber, an air intake connection at said upper corner, a plate arranged to direct the incoming air downward at an incline toward said partition, and a discharge connection at the opposite upper corner of the chamber, said parts being so arranged that air flowing from the intake to the discharge will pass transversely over the slots in said partition

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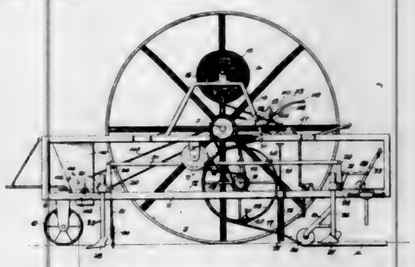
1,562,353. MACHINE FOR LAYING MULCHES. NORMAN B. MCGUIRE and ANDREW GUILD, Sr., Honolulu, Territory of Hawaii. Filed Aug. 14, 1924. Serial No. 731,987. 12 Claims. (Cl. 47—9.)



1. A machine for laying mulches in strips and covering the lateral edges with soil, comprising means in advance of the laying means for reducing the soil area to be covered by the mulching strip to the desired surface contour.



5. A mulch laying machine, comprising a wheeled frame, plows at the front and rear of the frame for forming parallel furrows to receive the edges of a mulching strip and to turn the soil from the furrows over and onto said edges respectively, means for supporting a roll of mulching material on said frame, means for feeding the material from the roll and spreading the same on the ground between the furrows, and means following the spreading means for turning the edges of the material into the furrows.

10. A machine for laying mulches in continuous strips comprising a wheeled frame, means for supporting a roll of mulching material on said frame, means for feeding the material from the roll and spreading the same on the ground including a drum over which the material is drawn, and means for excising planting openings in the material, said means including a roll parallel with said drum, and cooperating die-punching members on said drum and roll.

12. A machine for laying mulches in continuous strips comprising a wheeled frame, means for supporting a roll of mulching material on said frame, means for feeding the material from the roll and spreading the same on the ground, and means located between the roll support and feeding means for splicing the free ends of successive strips

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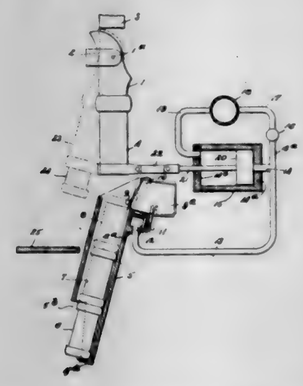
1,562,354. RECEIVING TERMINAL FOR CONVEYER SYSTEMS. JAMES G. MACLAREN, Syracuse, N. Y., assignor, by mesne assignments, to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Original application filed Mar. 26, 1920, Serial No. 369,084. Renewed Mar. 9, 1925. Divided and this application filed Mar. 11, 1925. Serial No. 14,694. 7 Claims. (Cl. 248—16.)



3. In a carrier receiving apparatus, a receptacle for carriers, a pivotally suspended guide normally positioned to deliver carriers to a receptacle, a pneumatic motor having a piston member connected to said guide and adapted to swing the latter upon its pivot, a valve controlling the operation of said motor, and means actuable by a carrier occupying a definite position in the receptacle for opening said valves whereby to start the motor and thereby to swing said guide upon its pivot.

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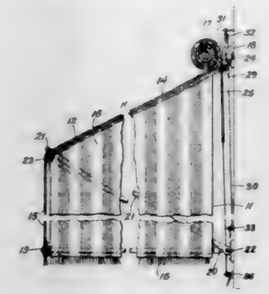
1,562,355. AWNING. JEROME MANASSA, Bronx, N. Y. Filed Jan. 2, 1925. Serial No. 175. 3 Claims. (Cl. 156—44.)

1. In a device of the class described, the combination with the casing of a window, a tension roller mounted thereon, a pivoted frame, a strip of fabric, one end of said fabric being secured to said roller and the other end to a portion of said frame, a flexible strap secured to said window casing and to said frame and underlying said strip of fabric for relieving the weight of said fabric and frame from said tension roller when the frame is



in a lowered position, and means for holding said frame and fabric in a lowered position against the action of said tension roller.

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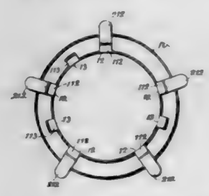
1,562,356. CURTAIN LIGHT. ELIAS MANDEL, Brooklyn, N. Y. Filed Dec. 29, 1924. Serial No. 758,760. 4 Claims. (Cl. 296—145.)



1. A frame for a curtain light including a front ring and a washer disposed at the back of the frame, a series of bendable tongues on said ring at the inner edge presenting seats for the edge of the glass of the light, and longer tongues also on said ring at the inner edge and bendable to present seats for the glass, the terminals of said first-mentioned tongues being of a length to be bent inward over the glass and the longer tongues adapted to extend through said washer and bendable to engage the outer portion of the washer.

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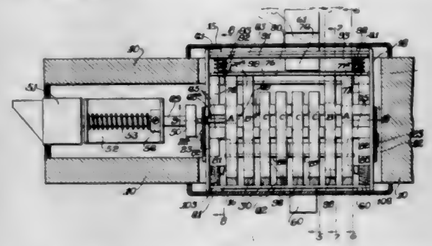
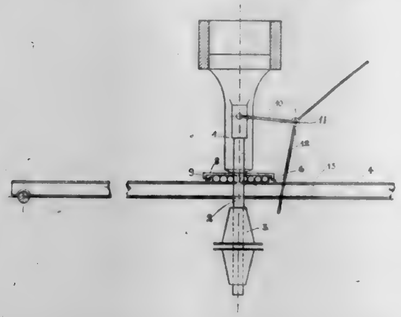
1,562,357. LOCK. GEORGE F. MAYER, Chicago, Ill. Filed May 31, 1923. Serial No. 642,389. 18 Claims. (Cl. 70—54.)



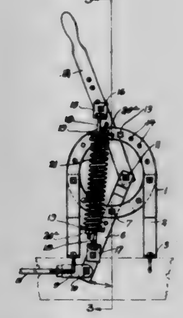
1. A lock comprising, in combination, a fixed locking bar having a plurality of spaced teeth thereon, a sliding locking bar adapted to cooperate with said fixed bar, a plurality of locking tumblers and means associated with said tumblers adapted to hold the said tumblers in normally locked position.

1,562,358. BRICK PRESS AND THE LIKE. RODOLPHE NAVET, Tubize, Belgium. Filed Feb. 14, 1924. Serial No. 692,792. 5 Claims. (Cl. 25—45.)



1. An improved piston arrangement in presses for the manufacture of bricks, tiles and similar articles comprising in combination the piston, vertical guiding rods rigidly secured to said piston, fixed guides engaged by said guiding rods, a pivotally arranged pressure beam freely engaging the depending end of said piston so that it will be free to be moved longitudinally with respect to said piston, and a wear compensating anti-friction member interposed between the end of the piston and the pressure beam.

1,562,359. SWITCH THROW. DAVID OSBURN, Grindstone, Pa. Filed Feb. 27, 1925. Serial No. 12,063. 8 Claims. (Cl. 246—285.)

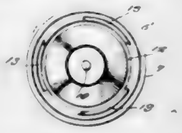


1. In a switch throwing device, a supporting structure, an operating lever pivotally mounted between its ends on said structure, a switch bridle rod connected to one end of said lever, a control lever pivotally connected to the other end of the operating lever, means urging the levers toward each other about their pivotal connection while permitting movement of the levers away from each other when pressure in the proper direction is applied to either lever, and adjustable means for limiting movement of the control lever in either direction about its pivotal connection with the operating lever.

1,562,360. DIRECT COOLING OF GOODS. ANTON JENSÉNIUS ANDREAS OTTESÉN, Copenhagen, Denmark. Filed Mar. 1, 1924. Serial No. 696,398. 1 Claim. (Cl. 99—14.)

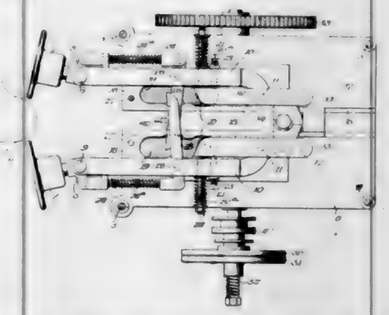
A process for the preservation of goods by refrigeration, consisting in exposing the goods to the direct action of a cooled solution of salts or other compounds whereby a temperature below freezing point is obtained, and removing the substances contained in the solution which are retained on the surfaces of the cooled goods, by exposing the goods to the action of a solvent in a tepid or hot state.

1,562,361. POTTERY MOLD. MIKE L. PASCARELLO, New Brighton, Pa. Filed Feb. 11, 1925. Serial No. 8,502. 2 Claims. (Cl. 25—26.)



1. A pottery mold including a male and a female member, and a clay cutter between and carried by one of said members, comprising an annular member whose outer edge is beveled inwardly and provided with equidistantly spaced notches, and one of the end walls of each notch being cut angularly to provide a cutting edge.

1,562,362. STITCHER-FEEDING MECHANISM FOR TIRE-MAKING MACHINES. EDWARD D. PUTT, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 10, 1920. Serial No. 395,219. 17 Claims. (Cl. 154—10.)

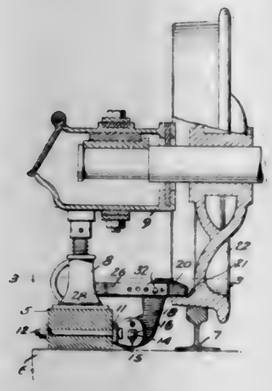


2. In a tire making machine including a rotatable core, spinning rollers, means for advancing said spinning rollers radially of the core, and automatically actuated means for adjusting the angle of the spinning rollers as they engage the bead portions of the tire and simultaneously changing the speed of their advance independently of said adjustment.

1,562,363. ADJUSTABLE WHEEL CLAMP. JOHN H. RANDALL, Salina, Kans. Filed June 12, 1925. Serial No. 36,714. 4 Claims. (Cl. 254—33.)

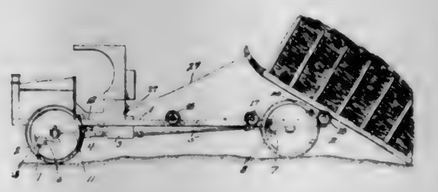
4. A wheel clamp comprising an elongated base adapted to rest upon one or more ties and adapted to support a jack, L-shaped brackets secured to one vertical side of said base and having laterally projecting apertured ears provided with spaced pairs of openings, a clamping arm positioned between said ears, a pivot bolt selectively extending through said openings and pivotally connecting said arm to said ears, the upper portion of said arm being provided with a laterally projecting branch to overhang and engage a flange of a wheel to hold the wheel in place, and a holding bar pivotally and adjustably connected to the upper portion of said clamping arm adjacent said laterally projecting branch and having a curved head to rest against one side of the jack mounted on said base whereby to hold said clamping arm in engagement with said flange of the wheel, said holding bar being bifurcated to provide a fork, the sides of which have registering openings positioned at opposite sides of





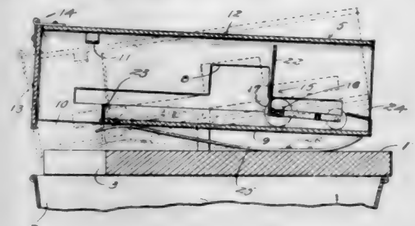
the laterally projecting branch of said clamping arm, and a pivot element selectively extending through said openings in said holding bar and through said arm to adjustably connect the holding bar to the arm.

1,562,364. SELF-LOADING CANE TRUCK. CLAUDE C. REASONER, Habana, Cuba, assignor to Cuba Self Loading Cane Truck Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 5, 1922. Serial No. 592,507. 7 Claims. (Cl. 214—65.)



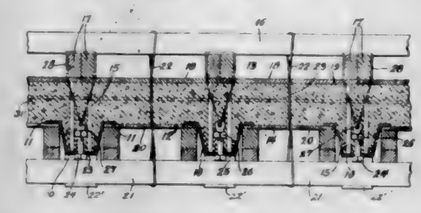
1. In combination, a truck and a demountable body therefor, the latter being of such construction and load capacity as, when demounted and loaded, to exert greater frictional contact with the ground on which it rests than does the truck, said body converging at its forward end and adapted, when partially demounted, to rest with one end supported upon said truck and at an acute angle to the longitudinal dimension of the latter, means connecting said truck and body for shifting the center of support of said body upon said truck toward the center of mass of the former, and means supporting said body and operative when the latter reaches its teetering point to align said body longitudinally of the truck.

1,562,365. SELF AND EVER SET TRAP. CHARLES M. REED, Babletown, W. Va. Filed July 23, 1925. Serial No. 45,625. 6 Claims. (Cl. 43—64.)



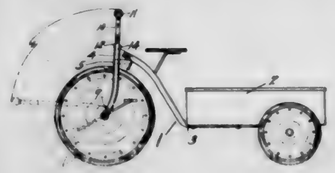
1. A trap comprising a pivoted body provided with an entrance and an exit and adapted to be tilted downwardly and forwardly by a rodent, and an impeller adapted to be set in motion by tilting of the body to eject the rodent.

1,562,366. CONCRETE BUILDING FORM. HENRY C. RIESBOL, New York, N. Y. Filed Feb. 25, 1925. Serial No. 11,596. 9 Claims. (Cl. 25—131.)



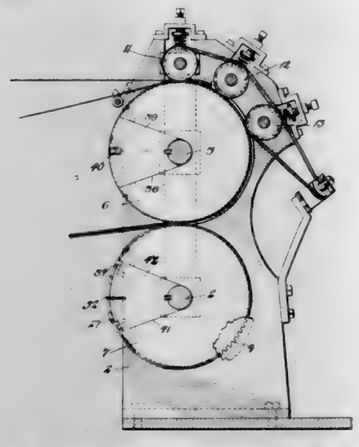
1. A building form adapted to be used in combination with a solid wall structure having spaced vertical ribs, including inner and outer sections, means for supporting said inner sections in spaced relation to the interior surface of said solid wall structure between said ribs, and means for supporting said outer sections in spaced relation to said inner sections to form a cavity therebetween.

1,562,367. COMBINATION VELOCIPEDE AND WAGON. WILLIAM E. SANDERS, San Francisco, Calif. Filed Nov. 28, 1924. Serial No. 752,605. 1 Claim. (Cl. 208—45.)



A convertible toy vehicle, comprising a velocipede having an inner wheel fork vertically journaled at the front of the chassis; and outer steering fork and attached handle bar mounted over the inner wheel fork, the two forks being pivotally connected at their lower ends and the outer fork being thereby adjustable to either a vertical or a horizontal position; and means for releasably locking the outer steering fork in its vertical position, said means including a thumb latch pivoted at the top of the outer fork immediately over the head of the inner fork, the said latch being formed with a hook bent downwardly and adapted to releasably engage the head of the inner fork.

1,562,368. MACHINE FOR FORMING PAPER HAT RINGS. BUDDE SCHIFFENHAUS, Newark, N. J. Filed Dec. 6, 1924. Serial No. 754,385. 6 Claims. (Cl. 93—1.)



1. In a machine for forming paper rings for hat supports, a pair of rollers, a plurality of cutting members on one of said rollers for cutting a strip of paper passed around the other roller, said cutting means acting to cut the paper into sections and to cut each section so as to provide a slit at one end, and a tongue at the opposite end, and means co-acting with one of said rollers for turning over the edge of the paper to form a bead thereon before it is discharged from the machine.

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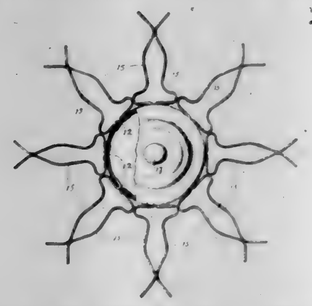
1,562,369. STAMP-HOLDING DEVICE. ARTHUR W. SCHMIDT, Spring Valley, N. Y. Filed June 18, 1925. Serial No. 38,026. 4 Claims. (Cl. 211—43.)



2. A stamp holder, which comprises a cup-shaped casing having a slotted peripheral flange, a plurality of spring fingers disposed around the outer periphery of the casing with their inner ends passing through the slots and bent over to engage the inner walls of the casing whereby they are supported therefrom, and a cup-shaped cover adapted to be pressed into the bent end of the cup-shaped casing after the fingers have been mounted in place.

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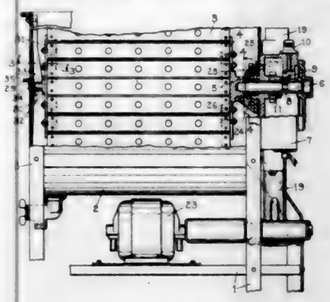
1,562,370. WASHING MACHINE. LEON W. SCHUMANN, Rochester, N. Y., assignor, by mesne assignments, to The G. R. S. Products, Inc., Colonie, N. Y., a Corporation of New York. Filed Mar. 27, 1922. Serial No. 546,984. 8 Claims. (Cl. 68—18.)

1. In a washing machine, the combination of a cylinder, means adapted to be shifted into driving engagement with one end of said cylinder, and resilient means at the other end of said cylinder for maintaining said



cylinder in a predetermined spring pressed engagement with respect to said last mentioned means.

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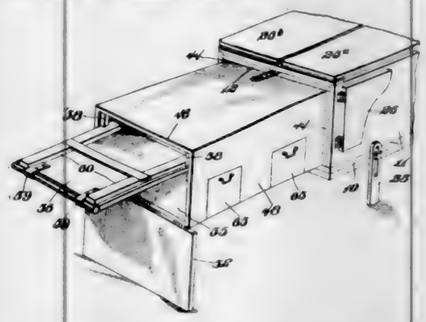
1,562,371. AUTOMOBILE TRAILER. HOWARD L. SHANKS, Mesick, Mich. Filed Jan. 24, 1925. Serial No. 4,454. 9 Claims. (45—17.)



1. The combination with a body structure having an opening in one wall thereof, a table slidable into and out of the body through the opening and a member hinged to the outer end of the table along the lower edge thereof and of greater size than the opening, said member being swingable upon the hinges thereof to a vertical position where its free edge abuts the ground to support the outer end of the table when in extended position or to a position where it abuts the body at the sides of the opening when the table is slid within the body, and means for locking said member in the last named position to thereby retain the table within the body.

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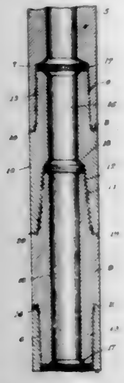
1,562,372. FLUSH-JOINT PIPE. WALDO SHELDON, South Norwalk, Conn. Filed Apr. 15, 1925. Serial No. 23,262. 1 Claim. (Cl. 285—146.)

A tool joint for well drilling comprising sections of drill pipe having thickened reinforced ends screw threaded internally on a slight taper and terminating in beveled end edges, cooperating joint members having slightly tapered externally screw threaded shanks screwed fast in the internally threaded reinforced ends of the drill pipe sections, said members being provided with undercut shoulders at the bases of the shanks of the same engaged fast over the beveled edges of the pipe sections to prevent spreading of the pipe sections and to interlock the members securely in the ends of the pipe sections, one of said joint members having a projecting tapered stem and the other joint member having a tapered socket receiving the stem, said stem and socket having engaging screw threads coarser than the screw



threads of the shanks and drill pipe sections and the taper of said stem and socket being materially greater than the taper of the shanks and screw seats in the pipe sections, insuring separation of the tool joint at the stem and socket, said joint members having alined passages extending entirely therethrough in continuation



of the bore of the drill pipe, the ends of the drill pipe sections and the over-engaging shoulder of the coupling members being substantially flush with the external surface of the drill pipe and the joint members being substantially coextensive with the drill pipe to enable the entire tool joint to pass through a stuffing box or the like intact along with the drill pipe.

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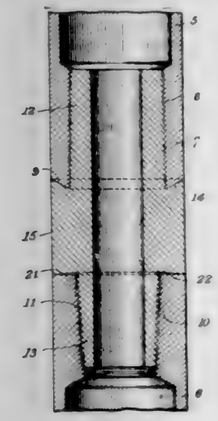
1,562,373. DRILL-PIPE COUPLING. WALDO SHELDON, South Norwalk, Conn. Filed July 13, 1925. Serial No. 43,131. 6 Claims. (Cl. 285—146.)



1. A drill pipe connection comprising a pipe section having a thickened end wall with an internal slightly tapered screw seat and a beveled end edge, a tubular coupling member having an externally screw threaded tapered shank at one end screwed fast in the screw seat of the pipe end and an undercut shoulder at the base of said shank engaging over the beveled pipe end, said member having a projecting stem at the opposite end with coarser screw threads and a greater taper than the other screw shank and a second pipe section having a reinforced end wall of greater thickness than the first pipe section, said thicker end wall having an internal tapered screw seat to receive the coarsely screw threaded taper projecting stem of the coupling member and said coupling member having no greater external dimensions than the pipe sections to permit passage of the joint with the pipe through a stuffing box or the like.

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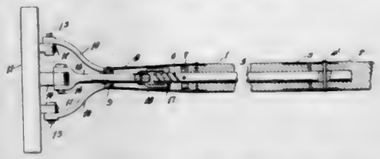
1,562,374. ADJUSTABLE TOOL HEAD. WINFRED L. SMITH, Westbrook, Me. Filed May 28, 1925. Serial No. 33,544. 2 Claims. (Cl. 306—4.)



1. In a tool, a handle, a head pivotally engaging said handle, an extension of the handle swivelly mounted thereon, a rod secured to said extension and extending through the handle, another rod engaging the head, a yoke on the last mentioned rod, and threaded connection between said yoke and the first mentioned rod.

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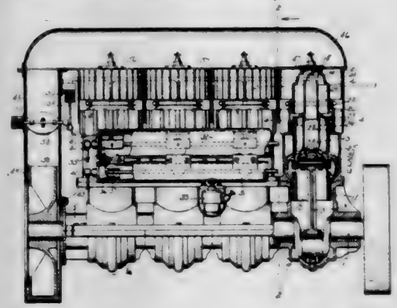
1,562,375. GAS ENGINE. IRA H. SPENCER, West Hartford, Conn. Filed Aug. 26, 1921. Serial No. 495,517. 3 Claims. (Cl 123—171.)



1. An engine comprising a cylinder having a concentrically arranged exhaust passage opening from the bottom of the combustion chamber, hollow fins evenly spaced about the cylinder with the spaces in said fins opening into said exhaust passage, and a shell surrounding said hollow fins and terminating above the bottoms thereof to provide openings at the bottom from each of the spaces between the fins for free circulation of air downwardly through said spaces.

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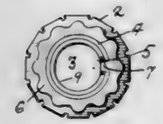
1,562,376. TYPE WHEEL FOR HAND STAMPS. CHARLES SPIELMAN, New York, N. Y., assignor to Wm. A. Force & Company, Inc., New York, N. Y., a Corporation of New York. Filed May 7, 1925. Serial No. 28,676. 2 Claims. (Cl. 101—109.)



1. A type wheel for hand stamps comprising a type wheel provided with printing symbols on its outer face and a cylindrical center hole, a ratchet wheel also pro-

vided with a corresponding center hole which hole is provided with an integral spline adapted to enter and engage a groove in a shaft carrying the type wheel and means for securing the type and ratchet wheels together.

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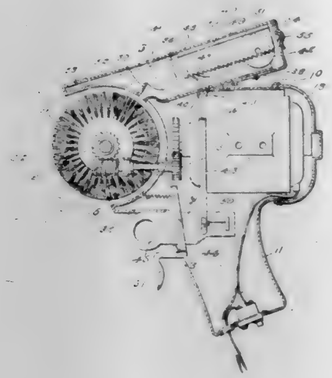
1,562,377. SHOE POLISHER. MARVIN A. SPIELMAN, Larimore, N. Dak. Filed Nov. 10, 1924. Serial No. 749,013. 3 Claims. (Cl. 15—24.)



1. A device of the character described comprising a casing, a motor arranged therein, a brush detachably mounted on the casing and adapted to be driven from said motor, a handle projecting from said casing, a compartment supported on said casing, a paste tube holder arranged in said compartment, a manually controlled means for feeding the paste from the tube onto said brush, and said means including a carriage arranged to move longitudinally within said compartment, and a roller journaled on said carriage and adapted to compress said tube when moved over the latter.

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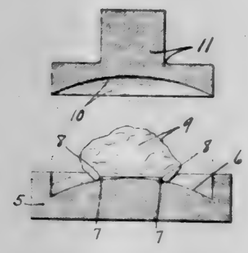
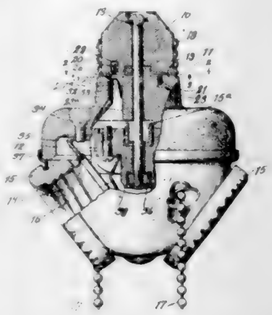
1,562,378. METHOD OF MANUFACTURING BIFOCAL LENSES. HAROLD J. STEAD, Geneva, N. Y. Filed Feb. 21, 1922. Serial No. 538,174. 3 Claims. (Cl. 49—79.)



1. In the process of manufacturing multifocal lenses, molding a groove in a piece of glass, utilizing the groove forming portion of said mold as a filler for said groove, and then grinding the glass to form an optical surface thereon.

2. In the process of manufacturing multifocal lens blanks, molding a groove in a piece of glass, securing a ring of different material in said groove, and grinding visual surfaces upon opposite sides of said ring.

1,562,379. ELECTRICAL CONNECTER DEVICE. WALTER D. STEELE, Evanston, and REUBEN B. BENJAMIN, Chicago, Ill., assignors to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 8, 1919. Serial No. 348,307. 4 Claims. (Cl. 173—335.)



1. A plug receptacle comprising a plug portion having a threaded shell contact to be screwed into the corresponding threaded shell contact of a socket, a receptacle portion electrically and mechanically connected with said plug portion, and means for mounting said portion with respect to each other whereby relative unrestrained rotation in either direction through a limited arcuate span may be effected, said means allowing said receptacle portion when turned in one direction and at one extremity of said arcuate span to serve as a handle for screwing said plug portion into the socket and when turned in the other direction and at the other extremity of said arcuate span to serve as a handle for unscrewing said plug portion from the socket, said receptacle portion after said plug portion has been screwed into the socket then being capable of being turned freely in either direction within said limited arcuate span to bring said receptacle portion into desired position without unscrewing the said plug portion from the socket.

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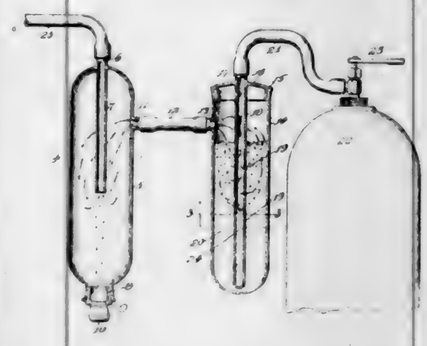
1,562,380. CHLORINE-GAS CONTROL FOR FLOUR BLEACHING. WILLIAM STEIN, St. Louis, Mo. Filed Sept. 22, 1924. Serial No. 739,237. 3 Claims. (Cl. 83—42.)



1. A chlorine gas control for flour bleaching comprising an independent transparent graduated tubular indicator having an open top and containing a volume of liquid through which the gas is directed, a detachable stopper closing said open top, a perforated tube forming a part of the stopper and extending into the indicator, an independent transparent tubular separating member through which the gas from the indicator must pass, and be purified from moisture before admitted to the agitator, said indicator and separating member connected together by a separate pliable tube.



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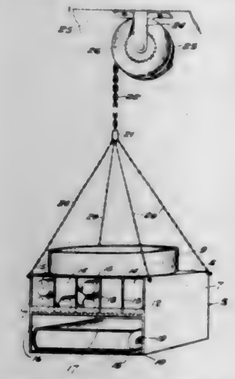
1,562,381. VENDING DEVICE. CHARLIS W. STOYKA, Fayette City, Pa. Filed June 12, 1924. Serial No. 719,631. 2 Claims. (Cl. 211—17.)



1. In a vending device of the class specified, a body having closed sides and fully open front and rear ends, the sides and ends of the body being vertically straight and the body intermediately separated by a horizontal partition extending fully through from one open end to the other, vertical partitions in spaced relation being interposed between the horizontal partition and the top of the body, the ends of the horizontal partition being also provided with vertical guard flanges which project upwardly over the lower portions of the vertical partitions, the body below the horizontal partition being fully open from end to end to receive record means and the top of the body provided with a fixed receptacle for the deposit of coin, and means for holding the device in operative position.

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1,562,382. FLOOR COVERING AND PROCESS OF MAKING THE SAME. CALEB MARSHALL TAYLOR, Elizabeth, N. J. Filed Jan. 10, 1922, Serial No. 528,297. Renewed Sept. 1, 1925. 14 Claims. (Cl. 91—70.)

1. A floor covering comprising a dry felt base of the floor covering type impregnated throughout with a cellulose ester saturant which includes a drying oil.

14. The process of increasing the tensile strength of felt base floor coverings which comprises saturating an absorbent felt base of the floor covering type with a mixture of a cellulose ester and a drying vegetable oil.

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1,562,383. FLOOR COVERING AND PROCESS OF MAKING SAME. CALEB MARSHALL TAYLOR, Elizabeth, N. J. Filed Jan. 10, 1922, Serial No. 528,298. Renewed Sept. 1, 1925. 32 Claims. (Cl. 91—70.)

14. A floor covering comprising a bitumen impregnated base coated with a film of a cellulose ester.

30. The process of making floor coverings which comprises coating a felt base impregnated with water resistant material with a solution of nitrocellulose, which solution contains a mixture of approximately 12 parts by weight of nitrocellulose, 88 parts of a solvent therefor, 12 parts of a resin, and 12 parts of a vegetable oil.



1,562,384. FLOOR COVERING AND PROCESS OF MAKING SAME. CALEB MARSHALL TAYLOR, Elizabeth, N. J. Filed Jan. 10, 1922, Serial No. 528,300. Renewed Sept. 1, 1925. 28 Claims. (Cl. 91—70.)

9. A floor covering comprising a bitumen impregnated base, an imperforate coating of a cellulose ester on said base, and a coating of paint on said cellulose ester.

18. The process of making floor coverings which comprises coating a bitumen impregnated felt base with a mixture in solution of a cellulose ester, which solution contains approximately 12 parts by weight of a cellulose ester, 88 parts of a solvent thereof, 12 parts of a resin, and 12 parts of a vegetable oil, drying said solution, and applying to said dried surface a coat of paint.

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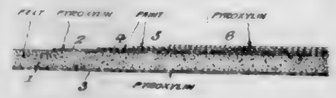
1,562,385. FLOOR COVERING AND PROCESS OF MAKING SAME. CALEB MARSHALL TAYLOR, Elizabeth, N. J. Filed Jan. 10, 1922, Serial No. 528,301. Renewed Sept. 1, 1925. 22 Claims. (Cl. 91—68.)




1. A floor covering comprising an impregnated felt base saturated throughout with an impregnating material and dried, a first imperforate coating of a cellulose ester on said base, a coating of paint on said cellulose ester, and a second and transparent coating of a cellulose ester on the outer surface of said paint coat.

14. The process of making floor coverings which comprises treating a felt base, which has been saturated throughout, by coating it with a first coating of a solution of a cellulose ester, drying said coating, applying to said dried surface a coat of paint, and applying a second and transparent coating of a solution of a cellulose ester.

19. The process of making floor coverings which comprises coating an impregnated felt base with a solution of nitro cellulose, which solution contains approximately 12 parts by weight of nitrocellulose, 88 parts of solvent therefor and 12 parts of a softening medium, drying said solution, applying to said dried surface a coat of paint, and applying to said paint coat a second and transparent coating of a mixture in solution of 10 parts by weight of nitrocellulose, 90 parts of a solvent therefor, and 10 parts of softening medium.

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1,562,386. FLOOR COVERING AND PROCESS OF MAKING THE SAME. CALEB MARSHALL TAYLOR, Elizabeth, N. J. Filed Sept. 27, 1924. Serial No. 740,225. 20 Claims. (Cl. 91—68.)

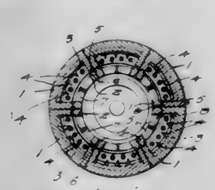
3. A floor covering comprising a felt base impregnated with a flexible filling material, a coating of paint supported on said felt base, and an outer coating of a film of a cellulose ester.

19. The process of making a floor covering which comprises impregnating a porous base with a flexible saturant filling material, coating said base with a coating of paint, drying said paint coat and coating the painted surface with a film of a cellulose ester in solution.

1,562,387. FLOOR COVERING. CALEB MARSHALL TAYLOR, Elizabeth, N. J. Filed Oct. 21, 1925. Serial No. 63,805. 28 Claims. (Cl. 91—68.)

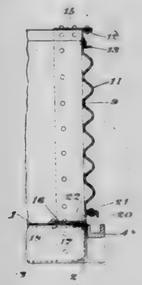
22. A floor covering of the smooth surface type comprising a base of porous sheet having sufficient thickness for use as floor covering material and impregnated throughout with a binder saturant, said sheet being comprised of material having coherence as a sheet prior to impregnation, and a coating of a film of a cellulose ester directly united to at least one face of the saturated sheet.

1,562,388. RADIANT BACK. OWEN TAYLOR and CHARLES C. TAYLOR, Huntington, W. Va. Filed Oct. 2, 1923. Serial No. 666,118. 2 Claims. (Cl. 126—39.)



1. A radiant back comprising upstanding segments forming an endless figure, each segment having a front portion and a back portion in separable relation and radial side walls, the adjacent side walls being in contact with each other, an interfitting means between the side walls and both portions of each segment whereby the same cannot accidentally turn relatively to each other when assembled.

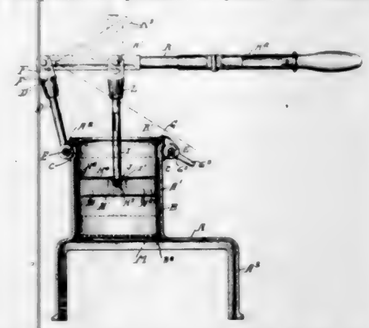
1,562,389. END STRUCTURE FOR RAILWAY CARS. WILLIAM O. THOMPSON, Cleveland, Ohio. Filed Jan. 11, 1924. Serial No. 685,601. 4 Claims. (Cl. 105—410.)



1. In combination with the side sills, center sills and metallic end wall of a railway car provided with integral horizontal corrugations a sub-end sill of thicker material than said end wall having a vertical web forming the lower part of the end wall, and having an inwardly projecting horizontal flange secured to the center and side sills, the upper part of said sub-sill connected to the metallic end wall.

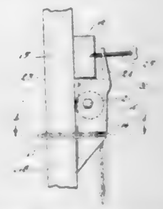
1,562,390. PRESSING AND STRAINING MACHINE. HENRY TRUST, Park Ridge, N. J., and FRANK M. ASHLEY, Brooklyn, N. Y.; said Ashley assignor to Josephine Trust, Park Ridge, N. J.; Josephine Trust administratrix of said Henry Trust, deceased. Filed Dec. 10, 1919. Serial No. 343,965. 2 Claims. (Cl. 100—41.)

1. A machine comprising a base portion, a receptacle having a beaded top edge from which it is suspended from the top of said base portion, means fixed to the receptacle and overlying said beaded edge for holding said receptacle in position, a piston, and means con-



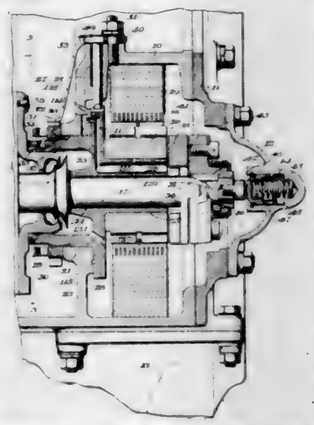
nected to said base portion and said piston for reciprocating said piston in said receptacle and for swinging said piston laterally from above the same.

1,562,391. DEVICE FOR DETACHABLY CONNECTING BEAMS. JOHANN VIDON, Evanston, Ill. Filed Oct. 13, 1924. Serial No. 743,320. 4 Claims. (Cl. 304—41.)



1. A beam connecting device comprising a frame with flexible means for clamping beams together, and a tooth fixed and integral with said frame and an eccentric movably mounted in said frame for engaging into one of said beams and preventing downward movement of said frame thereon.

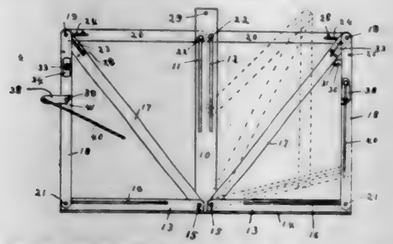
1,562,392. HYDROCARBON MOTOR. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 7, 1917. Serial No. 190,241. 16 Claims. (Cl. 304—14.)



1. In combination, a housing, a chain drive within said housing including a sprocket, means for adjustably supporting said sprocket comprising a sleeve on which the sprocket is rotatively mounted, said sleeve being rotatively adjustable about an axis eccentric to the sprocket axis, means without the housing for adjusting said sleeve, and means operable from the outside of the housing, extending through the wall of the housing and engaging the sleeve within the housing for securing the sleeve in adjusted position.

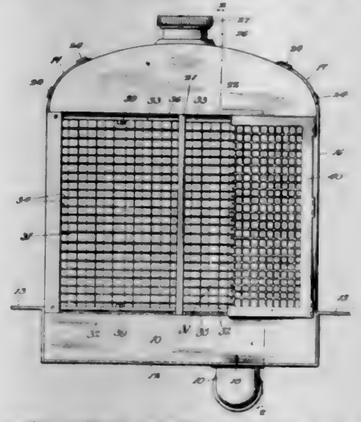


1,562,393. AUTOMATICALLY-OPENING MUSIC RACK. PHILIP P. VOOT, Utica, N. Y., assignor to Charles L. Letson, Utica, N. Y. Filed Dec. 11, 1923. Serial No. 680,020. 4 Claims. (Cl. 45—121.)



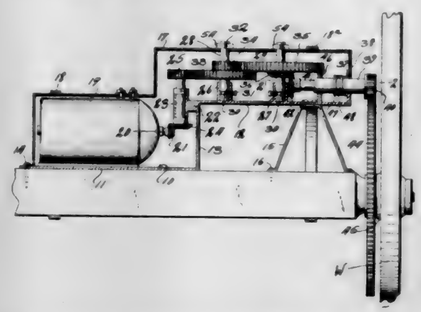
1. In an automatically-opening music rack, the combination of a central stem with longitudinally extending spaced slots, two oppositely disposed flanged bottom bars pivotally connected at their inner ends to the bottom of the central stem and each having a slot extending from near its outer end nearly to its inner end, two oppositely disposed diagonally arranged arms pivoted at their lower ends to the bottom of the central stem, two side bars each having its upper end pivoted to the upper end of one of the arms and with its lower end having a headed pin pivotally and slidingly mounted in the slot of one of the bottom bars, two top pieces, each pivoted at its outer end to the upper end of one of the arms and with its inner end having a headed pin pivotally and slidingly mounted in one of the slots in the stem, springs attached to the top piece, to the diagonal arm and to the side bar on each side adjacent the connecting ends thereof and adapted to move the parts to extended position and yieldingly hold them in such extended position against the tension of said springs and means on the rack members for holding the rack in folded position.

1,562,394. RADIATOR. ERNEST SMITH WALKER, St. John, Kans., assignor of forty-nine one-hundredths to Charles Van Fleet, St. John, Kans. Filed Mar. 29, 1922. Serial No. 547,885. 1 Claim. (Cl. 257—125.)



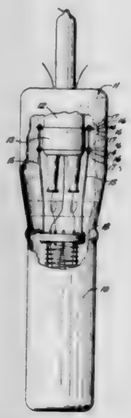
An engine radiator including a bottom tank having side plates rising therefrom and provided with tongues, a top tank having keepers thereon accommodating said tongues, the tongues detachably connecting the top tank with said plates, and a core unit fitting between the tanks communicating therewith.

1,562,395. GENERATOR ATTACHMENT. UEL T. WALKER, Eccles, W. Va. Filed Jan. 22, 1925. Serial No. 4,131. 5 Claims. (Cl. 74—7.)



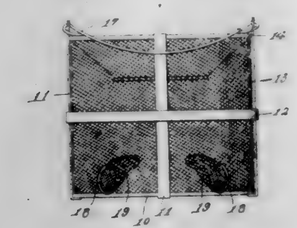
1. A generator attachment for the axles of vehicles including a base having an axle engaging portion and an offset portion connecting with the axle engaging portion by an integral wall, a generator supported from said axle engaging portion, a cover for the base, a shaft rotatably supported by the cover, a gear train for connecting said shaft, and the generator shaft, carried by the base and including shafts projecting through said cover and means mounted on said shafts for maintaining the cover in position upon the base.

1,562,396. ELECTRON-DISCHARGE DEVICE. FRANK E. WARD, Corona, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 4, 1923. Serial No. 643,234. 6 Claims. (Cl. 250—27.)



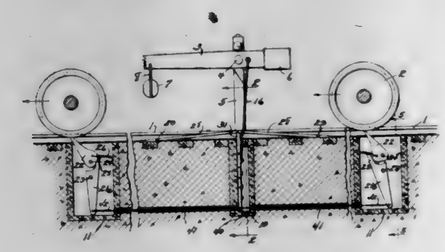
6. An electron discharge device, comprising an evacuated vessel, a stem, a collar encircling said stem, a plurality of perforated projections on said collar, a metallic member extending through said projections, and spacing means on said metallic member arranged on opposite sides of said projections, said metallic member being expanded adjacent the outer ends of said spacing means to attach said metallic member to said collar.

1,562,397. TRAP. LYMAN F. WHELCHEL, Anniston, Ala., assignor of one-half to W. F. Britton, Anniston, Ala. Filed Apr. 6, 1925. Serial No. 21,132. 1 Claim. (Cl. 43—121.)



An insect trap comprising a bottom, a frame secured to the bottom and including spaced vertically extending standards, an annulus connecting the standards, a foraminous wall having one edge secured to the bottom within the frame and provided with spaced openings, a downwardly inclined top secured to and extending inwardly from the frame and the opposite ends of the foraminous wall and provided with a central opening and inwardly tapering passages extending within the trap from the spaced openings of the wall.

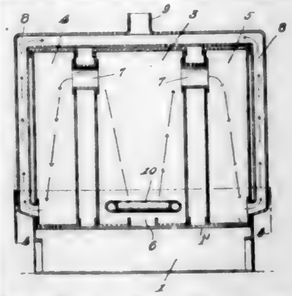
1,562,398. AUTOMATIC CROSSING GATE. JAMES V. WHITEHURST, Elizabeth City, N. C. Filed June 5, 1925. Serial No. 35,130. 3 Claims. (Cl. 246—293.)



1. In an automatic crossing gate, the combination of a movable gate, a lever located at one side of the crossing, a train operated cam member arranged on movement thereof to move the lever, a train of geared levers, a connection between one of said train of geared levers and the gate for moving said gate to and from active position, a connection between the first-named lever and another of said train of geared levers, and a spring connected to one of said train of geared levers for assisting in the movement of the gate to idle position.

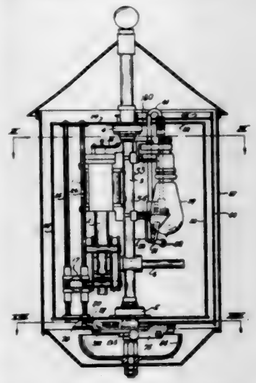
1,562,399. STOVE. CHARLES M. WHITMAN, Henryetta, Okla. Filed Jan. 16, 1925. Serial No. 2,884. 1 Claim. (Cl. 126—91.)

A stove of the class described comprising a hollow base having openings therein for admission of air, a central casing seated on the base and having an opening in its bottom, a pair of end casings seated on the base with their ends closed, said end casings being spaced from the central casing and the base having openings which place its interior in communication with said spaces, a coupling connecting the upper part of each end casing with the upper part of the central casing, outlet pipes connected with the outer sides of the end casings and extending up alongside the said



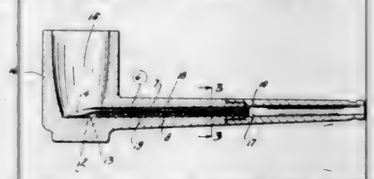
casing and across the tops of all the casings, a chimney connected with the top portion of the outlet pipes and a burner in the central casing.

1,562,400. TRAFFIC SIGNAL. RALPH W. WILEY, San Francisco, Calif. Filed Apr. 21, 1921. Serial No. 463,103. 11 Claims. (Cl. 177—327.)



1. In a traffic signal, a casing, a drum, means mounting said drum for oscillation about a vertical axis within the casing to two signaling positions, means for moving the drum from one position to the other comprising a solenoid having a vertically reciprocating plunger, a rock shaft mounted for oscillation about a horizontal axis and having a connection with said drum, a link connecting said rock shaft and said plunger whereby a complete movement of said plunger into and out of said solenoid moves the signal from one position to the other.

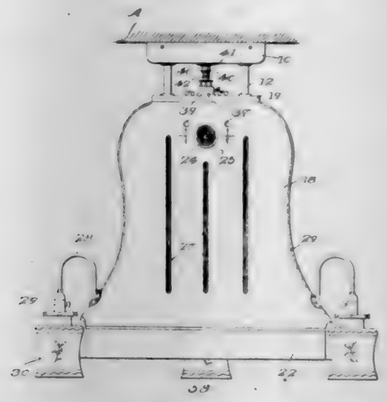
1,562,401. COMBINED SMOKE CONDUIT AND ABSORBENT HOLDER FOR TOBACCO PIPES. ABRAHAM E. WILLIAMS, Chicago, Ill. Filed Nov. 7, 1924. Serial No. 748,302. 10 Claims. (Cl. 131—12.)



1. A device for use in a tobacco pipe comprising a hollow elongated member provided with an exterior channel at one side, substantially as described.



1,562,402. RADIOCHANDELIER. ARTHUR O. WILSON, Wayne, Mich. Filed June 9, 1924. Serial No. 718,949. 3 Claims. (Cl. 179—140.)



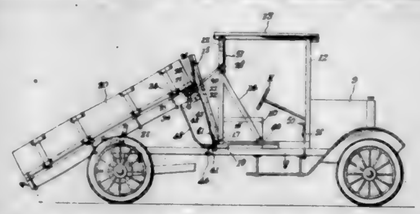
1. A combination fixture comprising a supporting cap, a dome mounted beneath and hung from the cap and carrying sockets for incandescent bulbs, an amplifying horn mounted within the dome and secured to the top thereof, a loud speaker unit mounted upon the top of the dome in communication with the small end of the horn, and a downwardly urged clamp engaging the unit including a socket on the cap, a plunger slidable through the socket and having padded feet engaging the unit, and a spring urging the plunger downwardly.

1,562,403. ELECTRON-DISCHARGE DEVICE. JAMES R. WILSON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1924. Serial No. 756,859. 5 Claims. (Cl. 250—27.)

4. In an electron discharge device, a cathode, a resilient helix of Monel metal, a molybdenum supporting hook passing through said helix and supporting said cathode, and a nickel sleeve on said hook, said sleeve being welded to said hook and one end of said resilient helix simultaneously.

1,562,404. TRUCK BODY. MYRON L. WINANS, Waco, Tex. Filed Nov. 7, 1924. Serial No. 748,473. 8 Claims. (Cl. 298—21.)

1. A truck comprising a chassis, a cab thereon having a fixed top and rigid rear posts, a back hinged to the chassis at its lower end and adapted to close against said rear posts, a dumping body hinged to the chassis, a shaft journaled upon the forward portion of the dumping body, a cable wound about said shaft and extending at opposite sides of said rear wall with the intermediate portion of the cable crossing the upper



edge of the rear wall and the ends of the cable being affixed to the chassis adjacent the lower part of the rear wall, and means to rotate said shaft.

1,562,405. RAKING MACHINE. AUGUST WOLFF, New York, N. Y. Original application filed Nov. 7, 1919, Serial No. 336,254. Divided and this application filed Oct. 22, 1921. Serial No. 509,468. 3 Claims. (Cl. 97—12.)

1. In an agricultural machine, a frame, propulsion means therefor, a plow on said frame adapted to be adjusted into fixed relation to the frame and extend in the direction of progressive movement thereof, and raking means carried by said frame at both sides of said plow, said raking means being adjustable toward and from the ground whereby to throw the one or the other raking means into operation cooperating with the position of the plow and adapted to operate upon the soil in rear of the plow, and conveying means associated and operating with said raking means for removing foreign matter from the soil sifted out by said raking means.

2. In an agricultural machine, a frame, propulsion means therefor adapted to propel the vehicle in either forward or reverse directions, a plurality of plow means on the frame adapted to be adjusted in opposite directions into contact with the ground in accordance with the direction of progressive movement of the machine, a pair of raking devices mounted on the frame at opposite sides of said plow means and supported on the frame for adjustable movement into and out of operative relation with the ground, intermediate means on the frame for alternately raising and lowering said raking means in conformity with the disposition of said pair of plow means whereby the raking means in rear of the operative plow is adjusted into operative relation with the soil, and conveying means associated with said raking means and operating in conjunction therewith to remove foreign material turned up by said raking means.

3. In an agricultural machine, a frame, plow means centrally of the frame adapted to be swung down in opposite directions in accordance with the direction of movement of the frame, an endless conveyor at each end of said frame, said conveyor having buckets thereon with projecting lower portion providing rake teeth, and means to alternately raise and lower said conveyors in accordance with the position of said plow and the direction of movement of the vehicle.

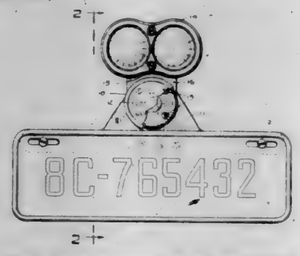
1,562,406. PORTABLE LIGHT. CHARLES E. WOODVILLE, Chicago, Ill. Filed June 13, 1921. Serial No. 477,052. 2 Claims. (Cl. 240—81.)

1. A portable electric light comprising a base, an upright member detachably affixed thereto, a stem having

a lamp and reflector mounted thereon, electric connections to the stem positioned exteriorly and independent of the upright member, said stem being ad-

justable in the upright member and rotatable in any adjusted position, and adapted to be affixed to the base with the removal of the upright member from the base, and the removal of the stem from the upright member.

1,562,407. LAMP BRACKET. WILLIAM BERK, New York, N. Y., assignor to American Auto Lamp Co., Inc., New York, N. Y., a Corporation of New York. Filed July 6, 1925. Serial No. 41,554. 1 Claim. (Cl. 240—57.)

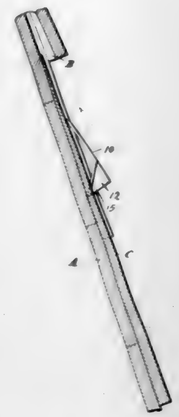



A signalling lamp adapted to be associated with another signalling lamp already attached to a vehicle, said first named lamp having attaching means comprising a depending plate, said plate having radially disposed enlarged bolt receiving openings and a lamp socket opening extending to the edge of the plate whereby the lamp may be attached without removal of the second named lamp from the vehicle.

1,562,408. HAND BAG. MAX BERKOWITZ, Richmond Hill, N. Y. Filed Dec. 24, 1924. Serial No. 757,782. 4 Claims. (Cl. 150—33.)

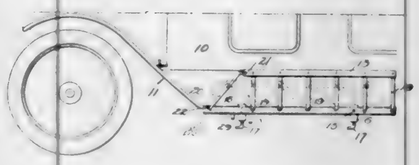
4. In a handbag, the combination of a body made of diverse materials so that either of said materials may be outwardly exposed, a handle attached to said bag, said handle being lined with materials to match the materials of said handbag, an opening in the body of said handbag, said handle being reversible through said openings.

1,562,409. SHINGLE FASTENER. EDWARD J. BRADY, Oswego, N. Y. Filed Dec. 3, 1924. Serial No. 753,734. 3 Claims. (Cl. 108—33.)



1. A securing device of the character described comprising a fastening member formed from a single blank and including an elongated substantially trapezoidal shaped body provided at two adjacent corners with a pair of prongs extending at substantially right angles to the body.

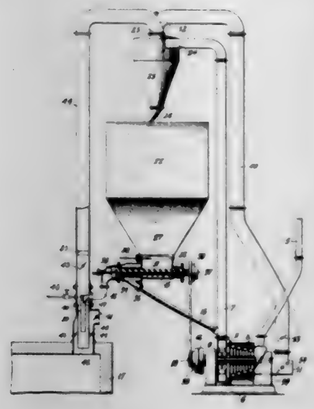
1,562,410. COLLAPSIBLE LUGGAGE CARRIER. GUSTAV BERANDT, St. Paul, Minn., assignor to Marquette Manufacturing Company, St. Paul, Minn. Filed Feb. 27, 1924. Serial No. 695,443. 8 Claims. (Cl. 224—29.)



8. A collapsible baggage carrier comprising, a lower rail, means for attaching the same to the running board of an automobile or the like, an upper rail, links pivotally connecting the upper and lower rails, a lock link pivotally connected with the upper rail and having detachable engagement with the lower rail, said lock link being adapted to be shifted to a position beneath the lower rail when the upper rail is in the lowered position, and means for detachably connecting the free end of the lock link with the lower rail when the device is collapsed.

1,562,411. PULVERIZED-FUEL APPARATUS. VIRGINIUS Z. CARACRISTI, Bronxville, and JOSEPH V. SANTRY, New York, N. Y., assignors to Locomotive Pulverized Fuel Company, a Corporation of Delaware. Filed Sept. 17, 1921. Serial No. 501,488. 8 Claims. (Cl. 110—106.)

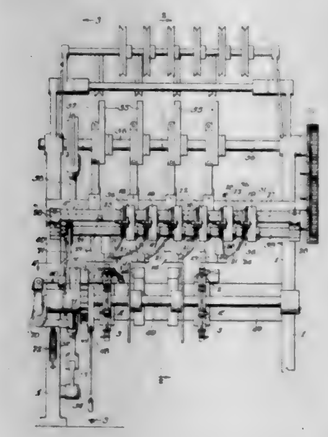
8. A pulverized fuel system comprising in combination, a pulverizer, a burner, storage means for the pulverized fuel, a feeder taking fuel from the storage means, a conduit from the feeder to the burner, a conduit from the



pulverizer to the storage means and a branch pipe leading from the last named conduit to the feeder.

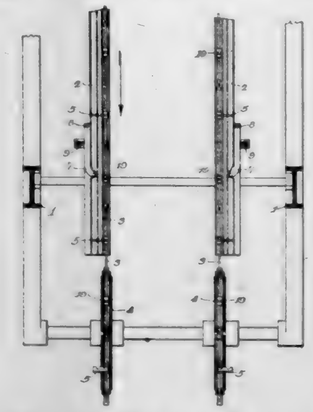


1,562,412. BOX-BLANK-STAPLING MACHINE. EDWARD CRAIG, St. Joseph, Mich., assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich., a Corporation of Delaware. Filed Apr. 22, 1922. Serial No. 555,938. 19 Claims. (Cl. 1—82.)



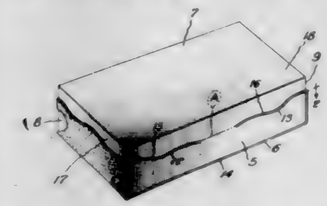
1. In a wire bound box blank machine for making blanks by inserting relatively long staples in one or more sections of the blank, and relatively short staples in one or more sections thereof, the combination of one or more staple wire feeding devices to intermittently feed the wire for the long staples, one or more staple wire feeding devices to intermittently feed the wire for the short staples, means for continuously operating all of said staple wire feeding devices, and instrumentalities to automatically control the grip of said devices on the wire, thereby to prevent the feeding of wire for the long staples when it is desired to drive short staples, and to prevent the feeding of wire for short staples when it is desired to drive long staples, without interrupting the driving motion of said devices.

1,562,413. METHOD OF MAKING WIREBOUND-BOX BLANKS. EDWARD CRAIG, St. Joseph, Mich., assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich., a Corporation of Delaware. Filed June 28, 1924. Serial No. 723,058. 8 Claims. (Cl. 1—8.2.)



1. A method of making wire-bound box blanks by securing sheets and cleats and binding wires together by machinery, comprising the feeding of loose or unattached cleats under one or more sheets of each blank, and the feeding of previously attached cleats under one or more sheets of each blank, thereby causing the sheet material to initially position some cleats in each blank, while requiring individual positioning of other cleats, so that for each blank there are some previously attached cleats which are carried along by the sheet material, and also some unattached cleats to be secured to one or more sheets by the machinery for making the blanks, maintaining the sheets and cleats in relative position while moving along, inserting staples to secure binding wires in place to flexibly connect the sections of the blank together and to secure both the attached and the unattached cleats to their respective sheets, so that some cleats are propelled by individual pressure on their rear ends, while other cleats are necessarily propelled by the sheet material.

1,562,414. HAND BLOCK FOR ABRASIVES, ETC. WILLIAM LESTER MCKNIGHT, St. Paul, Minn., assignor to Minnesota Mining and Manufacturing Company, St. Paul, Minn., a Corporation of Minnesota. Filed Nov. 14, 1922. Serial No. 600,831. 8 Claims. (Cl. 51—187.)



1. In a device of the character described, in combination, a block having complemental situated recesses in its opposite ends, and an abrasive element embracing one surface of the block and engaged in said recessed ends.

1,562,415. POLISHING AND WIPING IMPLEMENT. GEORGE A. NEWMAN, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a Corporation of Minnesota. Filed May 9, 1923. Serial No. 637,639. 4 Claims. (Cl. 31—187.)

1. A polishing and wiping implement comprising a rigid block, a block of resilient material secured to the

underside of said rigid block along a meridian line, said resilient block having slits in two opposite sides, pointed members carried by said resilient block and extending into

said slits, and a strip of material held upon said resilient block by said pointed members passing through edges of said strip inserted in said slits.

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1,562,416. SAFETY DEVICE FOR CONVEYER SYSTEMS. FRANK B. PEEBLES, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Apr. 19, 1923. Serial No. 633,132. 18 Claims. (Cl. 104—114.)

2. A conveyer system comprising a pair of tracks, a pivoted switch point forming a continuation of one track and converging toward the other track, resilient means normally holding the free extremity of the switch point in contact with the last named track but permitting said switch point to move away from said last named track when engaged by a carrier moving along the latter track, and a member normally fixed as respects movements of the switch point and having a stop shoulder so positioned as normally to permit carriers to move freely along the switch point but to engage and stop carriers so moving when the free extremity of the switch point is swung away from normal position.

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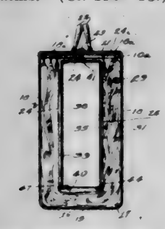
1,562,417. WARDROBE SUITCASE. HUGH J. SCHUCK, Des Moines, Iowa. Filed Apr. 2, 1923. Serial No. 629,331. 7 Claims. (Cl. 190—13.)



1. In a wardrobe suitcase of the class described, having bottom and side members hinged together to swing to position providing a flat bottom from end to end of the suitcase, an inner container member, and means at the ends of said suitcase for supporting said inner mmeber at its upper portion and at its bottom portion in position spaced above the bottom of the suitcase.

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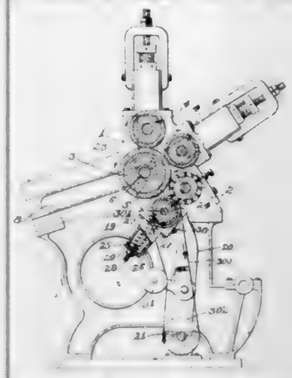
1,562,418. SPREADING ROLL FOR HIDE-WORKING MACHINES. DANIEL E. TENNEY, Woburn, Mass., assignor to Woburn Machine Company, Woburn, Mass., a Corporation of Massachusetts. Filed Apr. 20, 1925. Serial No. 24,406. 4 Claims. (Cl. 49—16.)



1. The combination with a working cylinder, and a work-support against which the working cylinder operates in acting upon a hide or skin, movable into working relations against said cylinder and separable therefrom to permit a hide or skin to be introduced between them, of a spreading roll by which the hide or skin is pressed against the surface of the working cylinder in advance of the squeeze between the work-support and said cylinder, and means for producing reverse rubbing and spreading action of said spreading roll upon the portion of hide or skin approaching said squeeze.

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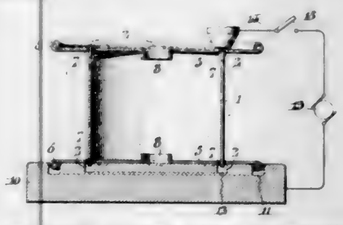
1,562,419. METHOD OF SECURING TOGETHER THE COMPONENT PARTS OF METALLIC SPOOLS OR REELS AND APPARATUS USEFUL TO THIS END. RUSSELL H. BOWEN, Philadelphia, Pa., assignor to The American Pulley Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 4, 1924. Serial No. 684,364. Renewed Sept. 11, 1925. 4 Claims. (Cl. 219—2.)



1. The herein described method of assembling an all metal spool or reel wherein the barrel portion is provided with tabs engaging through apertures of the end flange heads, which consists in electrically upsetting the protruding ends of the tabs by combined application of heat and pressure.

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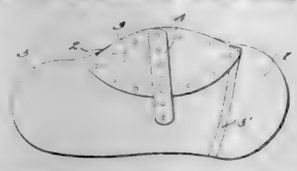
1,562,420. ARCH SUPPORT. AXEL ALFRID FRIBERG, Pawhuska, Okla.; Joseph D. Mitchell administrator of said Axel A. Friberg, deceased. Filed Sept. 7, 1923. Serial No. 661,474. 1 Claim. (Cl. 36—71.)

An arch support comprising a plate of flexible material shaped to fit the inner sole of a shoe and having an extension at its inner side which is curved upwardly, a sheet of resilient material secured to the under face of the plate and forming a cushion for the foot, an imperforated metal reinforcing plate connected with the curved part of the flexible plate and having its lower



edge overlapping the resilient sheet, and a transversely extending metal strip for reinforcing the metal plate, said strip being of curved formation and having its lower end extending beyond the lower edge of the metal plate and connected with the resilient sheet and the flexible plate.

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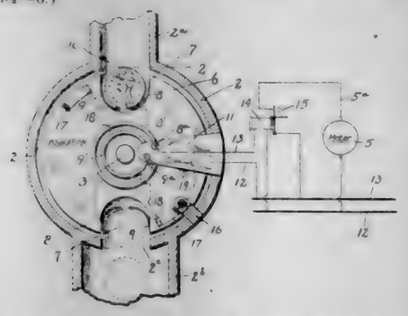
1,562,421. COIN-CONTROL MECHANISM FOR ELECTRIC CIRCUITS. ARTHUR W. HARRISON, Los Angeles, and FLOYD O. CHAFFEE, Eagle Rock, Calif., assignors to Fred J. Goggins, Los Angeles, Calif., and Frank W. Kinney, Chicago, Ill. Filed July 14, 1922, Serial No. 574,997. Renewed Oct. 5, 1925. 5 Claims. (Cl. 194—6.)



2. In a coin controlled circuit closer, a carrier having rings for constant contact with terminals of the given circuit, diametrically opposite sets of coin receiving contact members on said carrier, said members connected to the circuit rings on the carrier, the circuit being closed by an inserted coin engaging the opposed members of a set.

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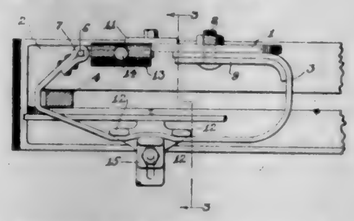
1,562,422. PICKER-STICK CHECK FOR LOOMS. SIMEON S. JACKSON, Boston, Mass., assignor to The Stafford Company, Boston, Mass., a Corporation of Massachusetts. Filed July 27, 1925. Serial No. 46,196. 5 Claims. (Cl. 139—165.)



1. A picker-stick check for looms comprising a hanger adapted to be mounted upon the lay-beam of a loom, a pintle carried by said hanger, and a check-strap forming a horizontal loop within which a picker-stick may move back and forth, said strap having at one end thereof an eye which fits upon the said pintle and is adapted to turn therearound so as to permit the adjacent portion of the strap to swing relative to the pintle, and said strap having the opposite end-portion thereof reversely bent into substantial parallelism with the intermediate length of the strap and fixedly engaged with the hanger.

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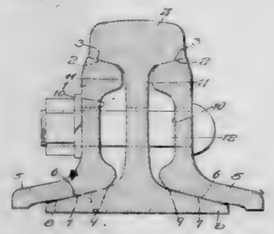
1,562,423. RAIL JOINT. GEORGE LANGFORD, Joliet, Ill. Filed Feb. 20, 1925. Serial No. 10,537. 6 Claims. Cl. 238—243.)



1. A rail joint comprising a pair of rail ends having substantially plane bearing surfaces forming a dihedral angle between them, and a bar having its upper and lower bearing surfaces lying in the planes of said bearing surfaces of the rail ends and in contact with said bearing surfaces, said bar being bowed from end to end, the ends of the bar extending inwardly further than the central part of the same.

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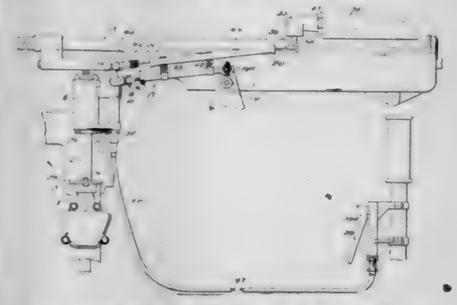
1,562,424. CONTROL MECHANISM FOR AIRCRAFT GUNS. ADOLPH L. NELSON, Indianapolis, Ind. Filed June 6, 1919, Serial No. 302,278. Renewed Mar. 31, 1925. 64 Claims. (Cl. 89—27.)



1. In combination, an automatic gun, a firing mechanism for said gun, and a single shot mechanism controlling the operation of said firing mechanism, and means for operating said single shot mechanism synchronously with a given movable member.

45. In a gun control assembly, a gun firing synchronizing control motor comprising a casing, a driven shaft extending into said casing, a cam member within said casing and mounted to rotate with said shaft, a plunger slidably mounted in said casing and adapted to engage with said cam member, a lever mounted on said casing and adapted to be actuated by said plunger, and a slidably mounted detent member adapted to engage said lever and prevent the movement thereof.

47. In a gun control assembly, a gun firing synchronising control motor comprising a casing, a driven shaft extending into said casing, a cam member within said casing and mounted to rotate with said shaft, a plunger slidably mounted in said casing and adapted to engage with said cam member, a lever mounted on said casing and adapted to be actuated by said plunger, a slidably

mounted detent member adapted to engage said lever and prevent the movement thereof and hold it in one extreme position and not subject to actuation by said plunger, and a spring cooperating with said detent member to normally hold said detent member in engagement with said lever.

51. In a gun control assembly an impulse generator operatively connected to a trigger motor by an impulse connection member, an impulse connection member adjusting device comprising a receiving member having a screw-threaded opening, a movable screw-threaded member fitted for movement in said screw-threaded opening, a connection member extending into said movable member, means preventing rotation of the connection member with respect to the receiving member, and a shoulder on the connection member, said movable member adjusted to engage with said shoulder member whereby said connection member may be moved lengthwise with respect to said receiving member but not rotated thereto.

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1,562,425. METHOD OF PURIFYING HYDROCARBONS. ADOLPH GREENSPAN, Minatitlan, Vera Cruz, Mexico. Filed Nov. 10, 1922. Serial No. 600,006. 1 Claim. (Cl. 196—19.)

A process of removing crystalline and amorphous wax from oil which consists in first causing crystallization of the crystalline wax at a temperature of between 80 and 90 degrees Fahrenheit by the addition of 15 to 20 per cent of kerosene, then mechanically separating the oil from the wax crystals, and then distilling off amorphous wax and kerosene from the separated oil until the residuum in the still is a high grade cylinder stock, substantially as described.

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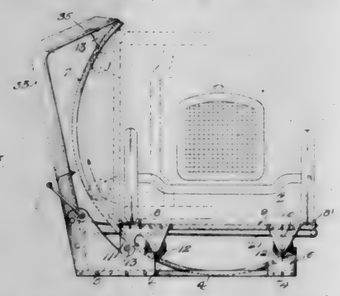
1,562,426. MOTOR-CAR STAND. FRANK G. ERICKSON and FRANK D. OLEY, Kenosha, Wis. Filed July 13, 1921. Serial No. 484,340. 4 Claims. (Cl. 214—1.)



1. In a motor car stand, the combination of a supporting frame comprising a pair of spaced tracks extending laterally and upwardly, a carriage thereon for supporting the motor car and having a pair of track wheels at each end thereof at opposite sides respectively of the carriage and means for moving the carriage laterally and upwardly on the tracks so as to tip up the car thereon sidewise and position the bottom in substantially an upright position.

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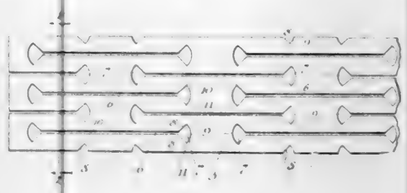
1,562,427. PLASTER-LATH CONSTRUCTION. JOHN WALLER, Los Angeles, Calif., assignor, by mesne assignments, to Flexo Common Lath Company, a Corporation of California. Filed Oct. 18, 1923. Serial No. 669,269. 9 Claims. (Cl. 72—116.)



4. A plaster wall board, comprising a sheet of flexible material having a plurality of slots formed therein, the ends of said slots being enlarged to form plaster keyways.

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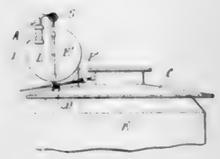
1,562,428. OIL-COOLED TRANSFORMER. ROBERT V. BINGAY, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Nov. 8, 1920. Serial No. 422,465. 10 Claims. (Cl. 220—85.)



1. In an expansion system for air cooled transformers the combination with a main transformer tank, of a non-expansible tank receiving the overflow from said main tank and having a rigid closed top for trapping and holding a gas above the surface of said overflow and preventing outside air from having access to the surface of the overflow during the expansion of oil in said main tank.

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1,562,429. CUTTING DEVICE. PHILIP H. UNSINGER, Fremont, Ohio, assignor to The Unsinger Manufacturing Company, Fremont, Ohio, a Corporation of Ohio. Filed Apr. 28, 1924. Serial No. 709,417. 7 Claims. (Cl. 30—3.5)

1. A cutting device comprising a tool, said tool embodying a plurality of simultaneously cutting edges, said cutting edges lying in a common plane, being of different lengths, and extending at different angles from the line or normal draft of the tool, and spaced from each other by a throat directly opposing one of said cutting edges.

mounted detent member adapted to engage said lever and prevent the movement thereof and hold it in one extreme position and not subject to actuation by said plunger, and a spring cooperating with said detent member to normally hold said detent member in engagement with said lever.

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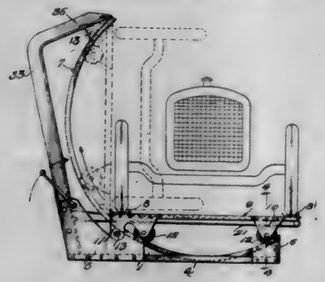

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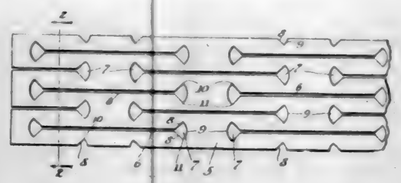

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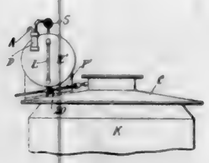

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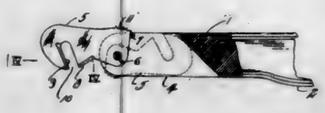

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Patents Nos. 1,562,430 to 1,563,312.

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| TRADE-MARKS PUBLISHED (268 APPLICATIONS) | 845 |
| TRADE-MARK REGISTRATIONS GRANTED | 881 |
| TRADE-MARK REGISTRATIONS RENEWED | 894 |
| LABELS | 896 |
| PRINTS | 898 |
| REISSUES | 899 |
| DESIGNS | 900 |
| PATENTS GRANTED | 900 |

## Issue of November 24, 1925.

| | | | |
|---|---|---|---|
| Trade-Marks | 339—No. | 206,006 to No. | 206,344, Inclusive. |
| T. M. Renewals | 85 | | |
| Labels | 46—No. | 29,521 to No. | 29,566, Inclusive. |
| Prints | 35—No. | 8,371 to No. | 8,405, Inclusive. |
| Reissues | 4—No. | 16,214 to No. | 16,217, Inclusive. |
| Designs | 42—No. | 68,843 to No. | 68,884, Inclusive. |
| Patents | 883—No. | 1,562,430 to No. | 1,563,312, Inclusive. |
| Total | 1,434 | | |

## Interference Notices.

U. S. PATENT OFFICE, *Washington, Nov. 18, 1925.*

*Anne E. Rawlins, her assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Fitzpatrick Bros., 1319 West Thirty-Second Place, Chicago, Ill., for registration of a trade-mark and trade-mark registered May 3, 1910, No. 77,755, to Anne E. Rawlins, 2270 South Jefferson Avenue, St. Louis, Mo., and a notice of such declaration sent by registered mail to said Rawlins at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Rawlins, her assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Oct. 27, 1925.*

*International Shade Co., its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of the Incandescent Supply Company, 468 West Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered June 24, 1913, No. 92,222, to the International Shade Co., 46 Harrison Avenue, Springfield, Mass., and a notice of such declaration sent by registered mail to said International Shade Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said International Shade Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Oct. 29, 1925.*

*Harry Leigh Curran, his assigns or legal representatives, take notice:*

An interference has been declared by this Office between applications for patents filed by Louis Carrol Howard, of 512 West One hundred and eighty-fourth Street, New York, N. Y., and Harry Leigh Curran, of 244 West Seventy-sixth Street, New York, N. Y. Counsel for Curran states that the present whereabouts of Curran is unknown to him. Notice is hereby given that unless said Curran, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Oct. 31, 1925.*

*Wallace M. Fewel, his assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of the Ivanhoe Fruit Association, Ivanhoe, Calif., for registration of a trade-mark and trade-mark registered July 22, 1924, No. 186,742, to Wallace M. Fewel, Centerville, Calif., and a notice of such declaration sent by registered mail to said Fewel at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Fewel, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

## Order of the Court of Appeals of the District of Columbia Relating to Motions, Etc.

COURT OF APPEALS OF THE DISTRICT OF COLUMBIA.

*October Term, 1925.*

It is by the court this day ordered, that on and after November 20th, 1925, all typewritten motions, petitions, and applications addressed to the court must be made in originals instead of original and carbon copies thereof, as heretofore allowed.

PER MR. CHIEF JUSTICE MARTIN.

November 9, 1925.

HENRY W. HODGES,
*Clerk.*

## Condition of Applications Under Examination at Close of Business November 13, 1925.

(Total number of applications awaiting action, excluding Trade-Mark Division, 39,883; Trade-Mark Division, 1,012. Oldest new case, Apr. 24, 1925; oldest amended, May 4, 1925. The dates given are 1925.)

| Room No. | Divisions, Examiners, and Subjects of Inventions. | Oldest new application and oldest action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
|---|---|---|---|---|
| 112 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders. | Aug. 31 | Sept. 2 | 560 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | June 28 | May 7 | 519 |
| 331 | 3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | Sept. 16 | Aug. 6 | 513 |
| 234 | 4. MERRITT, A. D., Conveyors, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists. | Aug. 13 | Aug. 20 | 509 |
| 106* | 5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | June 13 | June 13 | 884 |
| 318 | 6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | Aug. 11 | Aug. 6 | 902 |
| 108 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | Aug. 20 | Aug. 20 | 786 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture | Aug. 13 | Aug. 19 | 1,214 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | July 25 | July 20 | 615 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | July 15 | Aug. 12 | 963 |
| 148* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | Aug. 17 | Aug. 13 | 694 |
| 380 | 12. PIERCE, P. P., Machine Elements | July 27 | July 24 | 648 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | July 21 | Aug. 17 | 588 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Banding; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | July 8 | Aug. 20 | 794 |
| 329 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | Aug. 10 | Aug. 11 | 661 |
| 242* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | July 6 | July 28 | 883 |
| 207 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | Aug. 10 | Sept. 1 | 350 |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | June 23 | June 24 | 725 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | July 17 | Sept. 26 | 479 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking. | Aug. 13 | Aug. 17 | 658 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | July 7 | Aug. 31 | 473 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Aug. 26 | Aug. 26 | 334 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | June 8 | July 2 | 365 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Sept. 3 | Sept. 8 | 327 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | July 23 | Aug. 14 | 749 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | May 22 | June 2 | 769 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | Sept. 15 | Sept. 21 | 492 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Sept. 18 | Sept. 18 | 685 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | Apr. 24 | May 4 | 1,199 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | Aug. 1 | Aug. 6 | 902 |
| 312 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | Sept. 3 | Sept. 1 | 657 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | July 10 | July 17 | 576 |
| 152 | 33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Sept. 19 | Sept. 16 | 614 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders. | July 6 | July 9 | 610 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | Aug. 13 | Sept. 15 | 589 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | July 29 | Aug. 15 | 994 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | June 24 | June 24 | 862 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells. | June 13 | June 11 | 604 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | Aug. 11 | Sept. 5 | 337 |
| 269 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | July 23 | Aug. 1 | 1,199 |
| 125 | 41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | July 10 | July 29 | 429 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings, Electric Signaling | June 5 | June 2 | 1,242 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | Aug. 7 | Aug. 17 | 726 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | May 25 | June 2 | 829 |
| 379 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | Aug. 3 | Aug. 17 | 598 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | Aug. 1 | Aug. 1 | 590 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | June 15 | July 2 | 1,226 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, Generating Applications | June 15 | June 16 | 1,570 |
| 239 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification. | July 16 | July 25 | 733 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | July 6 | July 7 | 1,047 |
| 340* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | July 6 | July 6 | 1,542 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery, Joint Packing; Pipe and Rod Joints or Couplings. | Sept. 6 | Sept. 16 | 504 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Car Shades, and Screens. | Sept. 4 | Sept. 1 | 676 |
| 102 | Designs: C. O. MARKHAM (Acting) | Oct. 23 | Oct. 29 | 328 |
| 163 | Trade-Marks, Labels, and Prints: T. L. MEAD, Jr. (Trade-Marks | Oct. 14 | Oct. 29 | 854 |
| | (Labels and Prints | Oct. 15 | Nov. 7 | 158 |

* Refers to room numbers in the annex.



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Commissioner's Decisions.

### Ex parte Kleinman.

*Decided September 12, 1924.*

WITHDRAWAL FROM ISSUE.

Where a claim refused by the Examiners in Chief was canceled and only allowable claims remained, there was nothing for the Examiner to do but pass the case to issue, and a petition to withdraw the case to give the present attorney further opportunity to study it with a view to amendment was denied, although a letter requesting that allowance be withheld had been received by the Office before the case was passed to issue, but through mistake had not been sent to the Examiner.

ON PETITION.

INSULATED SUPPORT FOR LIGHT REFLECTORS.

*Mr. Harry Jacobson* for the petitioner.

ROBERTSON, *Commissioner:*

Applicant has requested that the allowance of this case be withdrawn that further opportunity may be given the present attorney to study the case with a view to further amendment in order to adequately protect the invention. This request was filed on August 26th, notice of allowance having been dated August 15th.

It appears that appeal was taken by the then attorneys and that the Examiners in Chief affirmed the Examiner as to one claim and reversed him as to another. Thereafter a new claim was presented, the entry of which was recommended by the Examiners in Chief, and the claim as to which the Examiner was affirmed was canceled. In this state of the record there was nothing for the Examiner to do but pass the case to issue.

The letter from the present attorney, which was received on August 7th, requesting that the allowance be withheld was through mistake not sent to the Examiner, presumably because it had gone to the Manuscript Division in view of the request for copies. However, this fact is immaterial, since, the rejected claim having been canceled, there was no reason for withholding the allowance of the application.

Applicant has his remedy either by proceeding under rule 78 or by allowing the case to forfeit and renewing it.

The petition is denied.

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### Ross *v.* Tesse.

*Decided September 30, 1924.*

INTERFERENCE—REOPENING AFTER FINAL DECISION TO ADD COUNT ALREADY REFUSED BY LAW EXAMINER—SECOND INTERFERENCE.

Where the Law Examiner denied a motion by T. to add claim 5 of R.'s patent on the ground that T.'s application did not disclose that the substances employed by him had certain properties, and no appeal was taken or request made to extend the limit of appeal, and where after the interference was finally decided in favor of T. he moved that the interference be reopened or a new interference be declared to include R.'s claim 5, alleging that after the decision of the Law Examiner the principal attorney asked T. if the properties in question were inherent in the substances specified in his application and a letter from T. stating that they did was received by the principal attorney, but through oversight was not sent to the associate attorney, and it was not until after the final decision that it was discovered that claim 5 was not in the issue, *Held* that it was incumbent upon T. to have taken the proper steps to lay the facts before the Law Examiner, and the showing was insufficient to excuse the long delay.

ON PETITION.

COATED AEROPLANE CLOTH AND PROCESS OF MAKING SAME.

*Mr. Frederick S. Duncan* for Ross.

*Mr. A. B. Foster* for Tesse.

ROBERTSON, *Commissioner:*

The party Tesse moves that this interference be restored to the jurisdiction of the Examiner of Interferences with directions either to declare a new interference between the same parties on the subject matter of claim 5 of the Ross patent or reopen the old interference as regards that claim.

The record shows that a motion to amend the issue of the interference was filed, which was denied by the Law Examiner as to a count corresponding to count 5 of the Ross patent on the ground that Tesse's application did not disclose that the substances employed by him would preserve the cellulose ester from disintegration under the action of sunlight and weather, as specified in that claim. No appeal was taken from this decision, nor was there any request made to extend the limit of appeal. The interference was redeclared and was finally decided in favor of Tesse on the counts included on April 29, 1924.

In support of the motion it is alleged that after the decision of the Law Examiner the principal attorney for Tesse communicated with his client to ascertain whether the substances specified in his application had the property stated and that he received a letter from Tesse stating that they did on September 29, 1923; that through some oversight this letter was not communicated to the associate attorney, who had direct charge of the interference, and that no action was taken with respect to claim 5 of the Ross patent, and that it was not until after the final decision and the attorney was examining all of the applications of Tesse relating to this general subject matter that it was ascertained that claim 5 of the Ross patent was not included in the issue of the interference. It is urged that Tesse is entitled to a claim even broader than claim 5 of the Ross patent, and under the circumstances the interference should be reopened, so that Tesse may have a judgment of priority as to this claim 5, especially as no testimony was taken on behalf of Ross.

The showing made is not deemed sufficient to warrant the reopening of the interference or the

declaration of a new interference. It was clearly incumbent upon Tesse, if he deemed that the property stated was not inherent property to the substances specified in the Tesse application, to have taken proper steps to lay those facts before the Law Examiner, and he could have asked that the limit of appeal be suspended to give him an opportunity to produce this evidence. It further appears that long before the final decision Tesse's attorney was in possession of a letter from Tesse alleging that the substances had this property, and the statement that this letter was not called to the attention of the associate attorney is not sufficient excuse for the long delay in taking any steps toward getting this matter before the Office.

The petition is denied.

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EX PARTE HARRISON.

*Decided December 11, 1924.*

1. ASSIGNMENTS—CONFLICTING—ISSUE OF PATENT.

This Office can not decide between conflicting assignments and can only issue the patent to the inventor, leaving the question of the title to be determined by a court of competent jurisdiction.

2. SAME—ASSIGNEE OF HALF INTEREST—INSPECTION OF FILE.

As an assignee of a half interest M. has the right either himself or by his attorney to inspect the file of the application.

3. SAME—SAME—PROTECTION OF RIGHTS OF ASSIGNEE OF HALF INTEREST.

If it should appear at any time that the application is not being prosecuted so as to save it from abandonment or if, in his opinion, the application is not being properly prosecuted so as to protect his interests, the party M. (assignee of half interest) can file a petition to be allowed to control the prosecution.

4. REVOCATION OF POWER OF ATTORNEY—AMENDMENT RECEIVED SAME DAY FROM ATTORNEY WHOSE POWER IS REVOKED.

Where an amendment filed by the attorneys of record is received on the same day as the revocation of their power of attorney and the appointment of new attorneys and before acceptance of the revocation, the Examiner should enter the amendment and take such action as may be necessitated thereby, communicating with the new attorneys.

5. PETITIONS—ORAL HEARINGS.

It is not customary to set for hearing a petition by an assignee of a part interest, protesting, through his attorneys, against the revocation of their power of attorney, which was originally given by the applicant.

ON PETITION.

PAPER MAKING.

*Messrs. Rummler & Rummler* for Harrison.

*Messrs. Emery, Booth, Janney & Varney* for Millspaugh.

ROBERTSON, *Commissioner:*

William H. Millspaugh, who is an assignee of record of a half interest in the above-entitled application, protests through his attorneys, Emery, Booth, Janney & Varney, against the revocation of their power of attorney, which was originally given by the applicant.

The record shows an assignment by the applicant of a half interest to Millspaugh and an assignment by the applicant of the entire interest to Drying Systems, Inc. The applicant, Harrison, has revoked the power of attorney given by him to Emery, Booth, Janney & Varney and appointed new attorneys, which revocation and appointment of the new attorneys is also signed by Drying Systems, Inc.

[1] Under the rules the assignee of an entire interest is entitled to control the prosecution of the application, but the assignee of the part interest is not. This Office can not decide between conflicting assignments and can only issue the patent to the inventor, leaving the question of the title to be determined by a court of competent jurisdiction.

The protest of Millspaugh is therefore overruled.

[2, 3] As an assignee of a half interest Millspaugh has a right either himself or by his attorneys to inspect the file of the application. If it should appear at any time that the application is not being prosecuted so as to save it from abandonment or if, in his opinion, the application is not being properly prosecuted so as to protect his interest, the party Millspaugh can file a petition to be allowed to control the prosecution.

[4] On the day that the new power of attorney was received an amendment was filed by the former attorneys putting in the claims suggested by the Examiner in the letter of November 3. As this amendment was received on the same day as the revocation of the power of attorney and before the revocation was accepted, the Examiner should enter this amendment and take such action as may be necessitated thereby, communicating, of course, with the new attorneys.

[5] An oral hearing is requested on the petition; but it is not customary to set petitions of this kind for hearing, and no reason is found for making an exception in this case.

The petition is denied without prejudice to the right of Millspaugh to renew the same if at any time, in his opinion, the condition of the case may justify so doing.

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INTERNATIONAL SHOE COMPANY *v.* NIAGARA SHOE COMPANY, INC.

*Decided June 26, 1925.*

TRADE-MARKS—GRADE MARKS USED IN CONNECTION WITH—"NIAGARA."

The use of the word "Niagara" by appellant as a grade mark for shoes in connection with the trade-mark "Diamond" did not constitute a trade-mark use of the word "Niagara."

APPEAL from Examiner of Interferences.

Application for cancellation No. 1,046 of trade-mark registration of the Niagara Shoe Company, Inc., March 4, 1924, No. 180,826, for shoes of leather.

*Mr. M. S. Meem* for International Shoe Company.

*Messrs. Milans & Milans* for Niagara Shoe Company, Inc.

ROBERTSON, *Commissioner:*

This is an appeal from the decision of the Examiner of Interferences denying appellant's petition for the cancellation of the registrant's trade-mark "Niagara," registered under the act of March 19, 1920, as a trade-mark for shoes, as shown by Certificate No. 180,826, March 4, 1924.

Appellant alleges that the registrant was not entitled to registration by reason of the use of the mark by appellant earlier than any date of use claimed by the registrant.

It appears from the testimony submitted in behalf of appellant that the Peters Shoe Company, predecessor of appellant, used the word "Niagara" as a name of certain styles of its shoes in 1906 (R. p. 24). Appellee has taken no testimony, but rests its case on the alleged failure of appellant to establish a case for cancellation. The carton label, appellant's Exhibit No. 4, shows at the left thereof the trade-mark comprising a diamond-shaped outline inclosing the words "Peters Shoe Co.'s Diamond Brand, St. Louis," arranged in four horizontal lines, the word "Diamond" in larger type than the other words, occupying the position of the longer diagonal of the outline. To the right of the trade-mark appears the word "Peters" in very large script and under the latter in much smaller type the word "Niagara."

It clearly appears from appellant's testimony that the name "Niagara" was used as a style or grade mark, together with 35 or 40 other names, as set forth in the following testimony of James K. Stribling, advertising manager of the International Shoe Company:

X Q. 26. You have other lines of shoes besides the "Niagara?"

A. Yes, we have a number of different names.

X Q. 27. How many?

A. Probably forty or fifty of them. Thirty-five or forty, anyhow, different names.

X Q. 28. Why do you have so many different names?

A. It designates the different grades and styles of shoes. We have several names, for instance, for work shoes—the higher grades and medium grades—and the same thing obtains in the men's, women's and children's styles.

Nowhere does it appear in the testimony that the word "Niagara" alone was ever used as a trade-mark. It is true that Stribling testified (Q. 55) that the name "Niagara" was stamped on the sole and when used with the word Peters the stamp reads (X Q. 14), "Peters Niagara Shoes." No exhibit of a shoe so stamped is in the record. Moreover, it does not appear that the stamp "Peters Niagara Shoes" was regarded as a trade-mark by appellant, as Stribling testified (X Q. 18) that "no shoes go without something to indicate Diamond Brand mark except a few of the novelties," and that the Niagara line is not a novelty shoe.

This case is governed by the case of *The Touraine Co.* v. *F. B. Washburn & Co.*, 52 App. D. C. 356; 309 O. G. 676; 1923 C. D. 174–177, in which it was held that the use of the word "Touraine" as a grade mark of a candy mixture used in connection with the trade-mark "Waleco" by the opposer did not constitute a trade-mark use of the word "Touraine." The court said:

Considering all these facts we are satisfied that the opposer never used, or thought of using, the word as a trade-mark until Minor appeared upon the field, and that was many years after the applicant had adopted and applied it to its entire output. It was used by the opposer to indicate the character of the chocolate, not the origin of it. The distinction between a technical trade-mark and a device to denote style or quality is pointed out in *Lawrence Mfg. Co.* v. *Tennessee Mfg. Co.* (55 O. G. 1526; 1891 C. D. 415; 138 U. S. 537) and *Columbia Mill Co.* v. *Alcorn* (65 O. G. 1916; 1893 C. D. 672; 150 U. S. 460). The mere use of a word as a trade-mark does not prove likelihood of damage to one who uses the mark in another capacity, for instance, as a grade indicator. Since opposer has no other proof of probable damage its opposition should have been dismissed.

In the case of *Theo. Weiss & Co., Inc.*, v. *Stuart, Keith & Co., Inc.*, 335 O. G. 540, the court of appeals held that the appellee's use of the words "Just Like Dads" to distinguish certain garments as being different from its other line of goods, did not constitute trade-mark use of these words.

The decision of the Examiner of Trade-Mark Interferences denying the petition for cancellation is affirmed.

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EX PARTE MARKUSH.

*Decided July 9, 1924.*

1. CLAIMS—UNDUE BREADTH OF—GENERIC TERMS WHICH INCLUDE ELEMENTS OR SUBSTANCES WHICH APPLICANT HAS NOT FOUND USEFUL—SUBGENERIC TERMS.

Where a generic term covering a number of substances can not be properly employed in a claim because many of the substances included under that broad generic term can not be used in the combination stated, there can be no objection to the use of a true subgeneric term which includes those elements which the applicant has found useful in the combination and excludes those which are not.

2. SAME—SAME—SAME—GENERIC TERM LIMITED BY EXPLANATORY TERMS.

If there is no known subgeneric term, an applicant may employ a generic term limited by explanatory terms in the absence of anticipating art.

3. SAME—LANGUAGE OF—WAIVER OF TECHNICAL RULES.

Where the validity of the claim is not involved, the paucity of the language may necessitate a waiver of technical rules of this Office, to the end that an applicant may properly protect his real invention.

4. SAME—SAME—SAME—COINED EXPRESSIONS.

Where a generic term covering a number of substances can not properly be employed in a claim, and no way except by coining a subgeneric expression can be seen of covering the real invention without filing a number of applications, and it is possible that the substances are so closely related that they would not support a series of patents, *Held* that the applicant should be permitted to use such expression or otherwise adequately cover his invention and not be forced to unduly limit his claims and then rely upon the doctrine of equivalents for his proper protection.

[Note.—This application has resulted in Patent No. 1,506,316, Aug. 26, 1924.]

Application for patent.

ON PETITION.

PYRAZOLONE DYES AND PROCESS OF MAKING THE SAME.

Application filed January 9, 1923, No. 611,637.

*Messrs. Stockbridge & Borst* for the applicant.

KINNAN, *First Assistant Commissioner:*

This is a petition from the action of the Examiner objecting to the form of certain claims.

As the Examiner points out, the petition is premature, since he had not made a second action on

the claims as now presented. However, as he does not indicate in the answer to the petition any willingness to withdraw his objection the petition will be considered.

In the application as filed it is stated that the applicant has discovered that a diazo compound of aniline or its homologues or the halogen substistutes thereof may be coupled with halogen substituted pyrazolones to produce dyes which are exceptionally fast. The original claims included a diazotized solution of aniline or its homologues or halogen substitutes.

The Examiner objected to these claims as being alternative. Thereupon there was substituted, in place of the expression above referred to, the term "mono-amine". The Examiner objected to the amended claims as being too broad, because the term "mono-amine" would cover aliphatic mono-amines, pyridine mono-amines, etc., which would not work in the combination stated, and on the further ground that only anilin and its homologues were disclosed in the original description. Thereupon the phrase was substituted "material selected from the group consisting of aniline, homologues of aniline and halogen substitutes of aniline". It is to this last phrase that the objection was made from which the petition is brought.

In his answer the Examiner states that the term objected to is a mere evasion of the alternative form without avoiding the real alternativeness, and the expression is not a generic one. This holding is based on the ground that a genus is a broad class name based on some general distinguishing properties or characteristics possessed in common by a class of things or substances and embraces all other substances possessing these characteristics—for example, acid and alkali—and that this is not true of the expression in question.

The Examiner raises a further question, stating that it is doubted that a chemist would recognize that a chlorine substitution product of aniline that a chlorine substitution product of analine could replace anilline in the reaction.

There are many instances in which a generic term covering a number of substances can not properly be employed in a claim, because many of the substances included under that broad generic term can not be used in the combination stated. The term "mono-amine," which the Examiner admits is a true generic expression, is an example of such an expression, for, as stated above, the Examiner has held that the term includes aliphatic mono-amines, and pyridine mono-amines, which will not work in the combination stated.

[1, 2, 3] In cases such as above referred to if there is a true subgeneric term which would include those elements which the applicant has found useful in the combination and excludes those which are not there could be no objection to the use of such a term. Obviously any generic term covers more than one element; but the use of such a term does not render a claim alternative. If there is no known subgeneric term, it is not seen why any applicant may not employ a generic term limited by explanatory terms in the absence of anticipating art. Such terms must be read in the light of what is disclosed. Where the validity of the claim is not involved, the paucity of the language may necessitate a waiver of technical rules of this Office, to the end that an applicant may properly protect his real invention. The Examiner has not helped the petitioner by suggesting a satisfactory term. In place of the expression originally used, which the Examiner objected to as alternative, applicant substituted a generic term, which was objected to as too broad, and he is now attempting to coin a subgeneric expression—viz, a group comprising certain substances.

[4] It is not seen in what other way an applicant, in a case such as the present, may cover his real invention without filing a number of applications, and it may well be that the substances named are so closely related that they would not support a series of patents. An applicant should be entitled to adequately cover his invention and not be forced to rely upon the doctrine of equivalents for his proper protection. If, as the Examiner states, there is nothing to indicate that the chlorine products of aniline could replace aniline in the reaction described in this application, it may be that the subgeneric term sought to be used is too broad, just as the term "mono-amine" was held to be, and that applicant would have to substitute for the expression used the expression "material selected from a group consisting of aniline and homologues of aniline." This question, however, is not before me at this time and is one which will have to be determined by the Examiner. If there is no objection to the inclusion of the term "halogen substitutes of aniline", then it is not seen that the phrase to which the Examiner objects is, in fact, objectionable. The Examiner, therefore, should withdraw the objection to the claims as being in effect alternative or should require the applicant to limit his subgeneric term properly.

It may be noted that in another division of this Office claims of this character have been allowed (see Patents Nos. 1,472,048 and 1,486,635). Nor is it seen that in principle these claims are any different from the claims which were allowed in Patent No. 901,675, in which the letter R is used in a chemical formula as standing for $CH_3$ or COOH, and it is understood that claims of the type shown in that patent have frequently been allowed.

The petition is granted to the extent indicated.

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## EX PARTE THE GREENING NURSERY COMPANY.

*Decided June 4, 1925.*

1. TRADE-MARKS—DEFINITION OF.
   A proper trade-mark must be a name, device, or symbol which expresses and identifies either origin or ownership of the goods to which it is applied.
2. SAME—USE OF MARK TO IDENTIFY BREED OF ANIMALS OR VARIETY OF PLANTS—"AUSTRIAN PRUNE PLUM."
   A trade-mark can not be sustained for an organic article, such as a species of grapevine, which, by the law of its nature, is reproductive, for the reason that after the goods are sold they may be used to reproduce their kind, and those purchasing the original goods and obtaining reproductions of them would have the right to designate such reproductions by the recognized name of the species and sell them to others under such distinguishing name.
3. SAME—SAME—TRADE-MARK LAW OF 1920.
   The trade-mark law of 1920 does not afford protection to the party who produces an improved species of fruit or vegetable.

ON APPEAL.

Application for registration of trade-mark for fruit trees, scions, grafts, etc., filed July 12, 1923, Serial No. 183,111.

*Messrs. Robb, Robb & Hill* for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiner of Trade-Marks denying registration, sought under the act of March 19, 1920, of the notation "Austrian Prune Plum," used upon fruit trees, scions, grafts, cuttings, stocks, and roots.

The Examiner rested his decision upon the ground that the notation constituted the name of a specific variety of plum and of the fruit trees, scions, and grafts thereof from which these plums are produced. This being true, the notation was denied registration in view of the ruling announced in the case of *Hoyt et al. v. J. T. Lovett Co.*, 71 Fed. 173, C. C. of App. 7th Cir. In that case the registrants, James and Edwin Hoyt, sued the Lovett Company for infringement of the registered trade-mark "Green Mountain Grape," as used upon a variety of grapevines. The court found the complainants were not the first to adopt and use the mark and also held the mark a geographical name, and in consequence not a proper trade-mark under the law as it existed at the date of that decision. The point of this adjudicated case which is pertinent to the case here on appeal rests in the holding that a trade-mark can not be sustained for an organic article, such as a species of grapevine, which, by the law of its nature, is reproductive. The court noted that if such a trade-mark could be sustained a breeder of cattle could with equal propriety and reason demand like protection for the increase of his herd. Appellant corporation, however, contends its case falls under the ruling of the court in *Stark Bros. Nurseries & Orchards Co. v. Stark et al.*, 248 Fed. 154, U. S. D. C., W. D. M. The Examiner distinguished this latter case by noting that the mark was there applied to fruit trees, fruit plants, and ornamental trees generally as a class, and not, as in the Hoyt case, as the name of a specific variety of fruit tree. The Examiner compared appellant's case to one where the name of a particular breed of cattle or sheep was sought to be registered as a trade-mark.

There are two questions presented here for review. The first question is whether the notation constitutes a trade-mark, has been or is used in a trade-mark sense to indicate origin or ownership. The second question is as to the effect of the act of March 19, 1920, upon the instant case and the cases above cited, which latter were adjudicated prior to the passage of said act.



[1, 2] Regarding the first question, the statutes do not define what a trade-mark is, but leave those seeking a definition to find it in the common law. *Illinois Watch Case Co. et al. v. Elgin National Watch Co.*, 87 O. G. 2323; 1899 C. D. 386; 94 Fed. 667, C. C. App. 7th Cir. The United States Supreme Court, however, has very well indicated what are the necessary elements of a proper trade-mark. That Court has made it very plain that the mark must be a name, device, or symbol which expresses and identifies either the origin or ownership of the goods to which it is applied. *Canal Company v. Clark*, 13 Wall. 311; *Columbia Mill Co. v. Alcorn*, 65 O. G. 1916; 1893 C. D. 672; 150 U. S. 460. The goods to which appellant applies its mark are properly designated merchandise when removed from the soil or other fixed environment; but after they are sold they, like the cattle or the sheep, may be used to reproduce their kind, and those purchasing the original goods and obtaining reproductions of them would have the right to designate such reproductions by the recognized name of the species and sell them to others under such distinguishing name. Thus still others could do as the first purchasers did and so on indefinitely. In this way the appellant would no longer have the exclusive right to use in commerce the notation here sought to be registered as a trade-mark. In the case of the *United Drug Co. v. Theodore Rectanus Co.*, 257 O. G. 1082; 1918 C. D. 389; 248 U. S. 90, the United States Supreme Court noted that—

> the function of a trade mark is simply to designate the goods as the product of a particular trader and to protect his good will against the sale of another's product as his.

Again, in the case of *Prestonettes, Inc., v. Coty*, 326 O. G. 246; 1924 C. D. 508; 264 U. S. 359; 44 Supreme Court Rep. 350, that same Court held that

> a trade mark owner has the right to prohibit the use of the mark so far as to protect the owner's good will against the sale of another's product as his.

It seems quite apparent that under the conditions above referred to appellant is unable to qualify, as indicated in these last two decisions, by *preventing others from selling the same species of fruit trees, grafts, cuttings, etc., under the same name appellant applies to this class of goods.* Appellant's notation is but the name of a particular variety of fruit-bearing plant. The latter would be sold for the express purpose of reproducing its kind, and, in the hands of its purchaser, appellant could not in any way prohibit such purchaser from calling his new plants by this same name and selling them to third parties *under such title.* It would appear plain enough appellant has not had and can not have trade-mark use of the name of a variety of plants. The decision relied upon by the Examiner seems controlling here, as well as does the logic of the law of trade-marks.

[3] The second and remaining point to be considered is whether the act of March 19, 1920, under which registration is sought and which has been held not to deny registration to geographic

and descriptive marks, affords any basis for the registration of the notation here under consideration. It is apparent, without argument, that there is nothing in this act which changes the situation so far as appellant's case is concerned. When some improved species of fruit or vegetable is produced, after the laborious and costly experimenting that is necessary for such production, there should be some way to extend protection to the party who has created this beneficial food; but it is believed the trade-mark law does not afford such protection.

The decision of the Examiner of Trade-Marks is affirmed.

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EX PARTE GALLAHER LIMITED.

*Decided July 8, 1925.*

1. TRADE-MARKS—NAME OF INCORPORATED INSTITUTION, ORGANIZATION, CLUB, OR SOCIETY—ACT OF 1905 AS AMENDED JANUARY 8, 1913.

For the purpose of protecting an incorporated institution, organization, club, or society from whatever inconvenience or possible injury that might result from the registration of its name the act of 1905 as amended January 8, 1913, prohibits such registration.

2. SAME—SAME—CONVENTION FOR THE PROTECTION OF INDUSTRIAL PROPERTY.

Such incorporated body does not possess any such rights as were contemplated by the Treaty of 1911, adopted at the Convention for the Protection of Industrial Property, which refers to rights in regard to commerce.

3. SAME—ACT OF 1920—REGISTRATION IN ENGLAND—"ROTARY."

Registration by the applicant in England of the notation "Rotary," applied to tobacco, cigars, and cigarettes, entitled it to registration in this country under the act of 1920.

4. SAME—SAME.

The bar of registration of corporate names, found in the act of 1905, is not carried forward into the 1920 act if the interpretation of such act as set forth in the opinion of the Solicitor of the Department of the Interior, 1920 C. D. 89, is correct.

ON APPEAL.

Application for registration of trade-mark for smoking, chewing, and snuffing tobacco, cigars, and cigarettes, filed December 29, 1924, Serial No. 207,348.

*Mr. Chauncey P. Carter* for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiner of Trade-Marks refusing registration of the notation "Rotary," applied to tobacco, cigars, and cigarettes, Class 17, Tobacco products.

The application is made under the provisions of the Trade Mark Act of March 19, 1920, and registration has been denied under the clause of section 5 (*b*) of the Trade Mark Act of February 20, 1905, as amended January 8, 1913, which states that registration will be denied any name—

adopted by any institution, organization, club, or society which was incorporated in any State in the United States prior to the date of adoption and use by the applicant.

Applicant has obtained registration in the country in which it is domiciled April 19, 1906, and has presented an affidavit of its managing director to the effect that such applicant company has used the mark in its business "since the 1st of December, 1906." There is no allegation of use of the mark in trade with the United States or between the States thereof. The allegation of use of the mark in commerce with the United States or among the States thereof is not necessary to registration where an applicant domiciled in a foreign country has already obtained registration in such country. It is true that the Treaty of 1911, adopted at the "Convention for the Protection of Industrial Property," to which Convention Great Britain was a party, Article VI, states:

Every trade mark regularly registered in the country of origin shall be admitted to registration and protection in the form originally registered in the other countries of the Union.

However, there may be refused or invalidated:

1. Marks which are of a nature to infringe rights acquired by third parties in the country where protection is claimed.

[1, 2] The 1905 act as amended January 8, 1913, prohibits registration, as above noted, for the purpose of protecting an incorporated organization, club, or society from whatever inconvenience or possible injury thhat might result from the registration of its name by some party as a trade-mark. It is not believed, however, that such organization, club, or society possesses any such "rights" as were contemplated by the treaty. The treaty would appear to refer to rights in regard to commerce.

[3] There is nothing in the act of 1920 which changes the law of 1905 as amended January 8, 1913, so far as the instant case is concerned. It is believed the registration in England by the applicant entitles it to registration in this country.

[4] The bar of registration of corporate names, found in the act of 1905, is not carried forward into the 1920 act if the interpretation of such act as set forth in the opinion of the Solicitor of the Department of the Interior, 277 O. G. 181, 1920 C. D. 89, is accepted.

The decision of the Examiner of Trade-Marks is reversed.

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EX PARTE BRUBAKER.

*Decided April 27, 1925.*

DESIGNS—IDENTITY OF—TESTS FOR.

Sameness of appearance to the eye of an ordinary observer, not mere difference of lines or slight variation in configuration, is the test that determines identity of design.

APPLICATION for design patent.

ON APPEAL from Examiners in Chief.

DESIGN FOR TIRES.

Application filed October 7, 1921, No. 506,209.

*Mr. Albert E. Dieterich* for applicant.

FENNING, *Assistant Commissioner:*

This is an appeal from the action of the Examiners in Chief affirming the Primary Examiner in rejecting an application for patent for a design for tires.

The reference relied on is design Patent No. 55,600 to Follen, granted July 6, 1920.



It seems clear that applicant has merely taken the elements of Follen's tire and slightly rearranged them. The crosslike depressions in Follen are arranged opposite each other. Applicant has taken the same crosslike depressions and staggered them. I agree with the Examiners in Chief that this does not require invention.

Applicant has made elaborate measurement calculations based on the applicant's drawings and the Follen patent. It may be admitted that they are not identical, but it is hard to distinguish one from the other by the eye unaided by a measuring stick, which few members of the general public will employ. One seeing the Follen tire will carry a visual memory which will respond to the Brubaker tire.

Sameness of appearance to the eye of an ordinary observer, not mere difference of lines or slight variation in configuration, is the test that determines identity of design. *Inflexible Co.* v. *Meyibow*, 251 Fed. 924. Not—

by a close comparison of the two articles; but the test is whether the ordinary observer could purchase one, believing it to be the other.

*Ashley* v. *Weeks-Numan Co.*, 220 Fed. 899; *Bush & Lane Piano Co.* v. *Becker Bros.*, 209 Fed. 233. The test is the same as when comparing trade-marks. See, also, *North British Rubber Co., Ltd.*, v. *Racine Rubber Tire Co.*, 271 Fed. 936.

Affirmed.

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## PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

879,532, L. de Forest, Space telegraphy, filed consent and order of discontinuance Sept. 21, 1925, D. C., S. D. N. Y., Doc. E 30/127, *Radio Corp. of America et al.* v. *T. Spinna et al.*

947,747, 1,067,579, A. J. Bazeley, Uncoupling mechanism for cars; 1,067,578, 1,100,706, same, Car coupler; 999,915, 999,916, C. A. Tower, same, defendant, its agents, etc., permanently enjoined from infringing (notice dated Sept. 9, 1925), D. C., W. D. Wash. (N. Div.), Doc. 474, *National Malleable & Steel Castings Co.* v. *Tennent Steel Casting Co.*

958,478, W. E. Davey, Process of reenforcing trees, suit filed Sept. 23, 1925, D. C., E. D. Mich. (S. Div.), Doc. 1146, *The Davey Tree Expert Co.* v. *D. M. Snodgrass.* Same, suits filed Sept. 24, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1623, *The Davey Tree Expert Co.* v. *Cook & Fiorella (Lakewood Tree Surgery Co.)*; and D. C. Minn. (4th Div.), Doc. E 480, *The Davey Tree Expert Co.* v *E. G. Perl;* and Doc. E 481, *The Davey Tree Expert Co.* v. *A. F. Duchacek.*

999,915. (See 947,747.)

999,916. (See 947,747.)

1,009,502, B. Goldman, Skylight, appeal filed Sept. 2, 1925, C. C. A. (2d Cir.), Doc. 8878, *Superior Skylight Co., Inc.*, v. *Zerbe Construction Co.*

1,010,768, A. G. Isaacs, Heat-producing compound, suit filed Sept. 9, 1925, D. C., S. D. N. Y., Doc. E 33/241, *The Chamberlin Co. et al.* v. *B. T. Babbitt, Inc.*

1,025,389, O. Fox, Water heater, suit filed Sept. 15, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1619, *The Bryant Heater & Mfg. Co.* v. *The C. L. Bryant Corp.*

1,027,570, J. R. Sheldon, Comforter-filling machine; 1,370,411, Contrado, Swanson & Schwartz, Mattress-filling machine, final consent decree sustaining patents and granting injunction Sept. 21, 1925, D. C., S. D. N. Y., Doc. E 27/105, *Triangle Kapok Machine Co.* v. *Solinger Bedding Supply Co. et al.*

1,029,328, C. W. Utzman, Plaster board and its method of manufacture; 1,034,746, same, Plaster board, suit filed Sept. 22, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1620, *United States Gypsum Co.* v. *The American Gypsum Co.*

1,031,789, F. W. Harris, Circuit interrupter, suit filed Oct. 1, 1925, D. C., S. D. N. Y., Doc. E 34/2, *Westinghouse Electric & Mfg. Co.* v. *Scintilla Magneto Co.*

1,034,746. (See 1,029,328.)

1,043,021, C. W. Mayer, Coating machine, suit filed Sept. 29, 1925, D. C. Del., Doc. E 584, *C. & R. Research Corp.* v. *Write, Inc.*

1,067,578. (See 947,747.)

1,067,579. (See 947,747.)

1,080,630, E. V. Hartford, Antivibration device for vehicles, suit filed Aug. 25, 1925, D. C. Del., Doc. E 580, *E. V. Hartford, Inc.*, v. *Kell Motor Co.* (*American Auto Supply*).

1,081,097, W. S. Daniels, Flower holder, final consent decree sustaining patent and granting injunction Sept. 21, 1925, D. C., S. D. N. Y., Doc. E 27/10, *W. S. Daniels* v. *Edelman & Smythe* (*Wadley & Smythe*).

1,100,706. (See 947,747.)

1,123,180, J. S. Day, Recoil pad for gunstocks, appeal filed Sept. 12, 1925, C. C. A. 8th Cir. (St. Louis), Doc. 7169, *W. R. Jorgenson* v. *F. D. Hasckins.*

1,156,564. (See 1,247,175.)

1,160,071, W. S. Gubelmann, Calculating machine; 1,334,533, same, Key-interlocking mechanism for calculating and like machines; 1,429,201, same, Adding and recording machine, decree for plaintiff Aug. 12, 1925, D. C. Conn., Doc. E 1637, *Remington Cash Register Co., Inc., et al.* v. *The National Cash Register Co.*

1,177,079, P. Agrillo, Chain, suit filed Aug. 7, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5027, *Victory Belt Co.* v. *Mandel Bros.*

1,177,774, F. H. Houghland, Folding box, suit filed Sept. 25, 1925, D. C., S. D. N. Y., Doc. E 33/356, *C. A. Fox et al.* v. *Spear Box Co., Inc., et al.*

1,193,540, 1,193,541, G. W. Gray, Method for converting higher-boiling petroleum hydrocarbons into lower-boiling petroleum hydrocarbons; 1,424,574, A. M. McAfee, Process for treating oils, suit filed Sept. 4, 1925, D. C., S. D. Tex., Doc. E 253, *The Texas Co.* v. *Gulf Refining Co.*

1,193,541. (See 1,193,540.)

1,197,224, W. E. Moore, Clip for fountain pens (and 1,548,548, C. H. Patten, Writing instrument, included by answer, Oct. 2, 1925), suit filed Sept. 11, 1925, D. C. R. I., Doc. 226, *Parker Pen Co.* v. *Rex Mfg. Co.*

1,211,475, D. Micon, Mattress, suit filed Aug. 4, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5025, *D. Micon* v. *Superior Felt & Bedding Co.*

1,212,840, F. J. Straub, Building block and making the same, suit filed Aug. 28, 1925, D. C., E. D. Pa., Doc. 3425, *Crozier-Straub, Inc.*, v. *Hollywood Bldg. Block Co. et al.*

1,246,189, L. C. Vanderlip, Conveyer elbow, suit filed Aug. 20, 1925, D. C., E. D. Pa., Doc. 3421, *L. C. Vanderlip* v. *Victor Engineering Co. et al.*

1,247,175, C. W. Swanson, Gearing for washing machines; 1,250,528, same, Washing machine; 1,300,203, same, Power-driven washing machine; 1,156,564, same, Gearing; 1,432,639, same, Ironing machine; Des. 57,172, same, Washing-machine tub, suit filed Aug. 11, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5057, *Apex Products Co.* v. *Apex Household Mfg. Co. et al.*

1,250,528. (See 1,247,175.)

1,252,469, 1,331,272 ,1,433,901, S. Marcus, Artificial eyes for dolls and the like, suit filed Sept. 14 1925, D. C., S. D. N. Y., Doc. E 33/269, *F. & M. Novelty Co., Inc.*, v. *Uneeda Doll Co., Inc.*

1,266,194, J. J. Barker, Sign, suit filed Sept. 15, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1618, *J. J. Barker et al.* v. *The Massillon-Cleveland-Akron Sign Co.*

1,300,203. (See 1,247,175.)
1,331,272. (See 1,252,469.)
1,334,533. (See 1,160,071.)
1,370,411. (See 1,027,570.)
1,424,574. (See 1,193,540.)
1,429,201. (See 1,160,071.)
1,432,639. (See 1,247,175.)
1,433,901. (See 1,252,469.)
1,548,548. (See 1,197,224.)
Des. 57,172. (See 1,247,175.)

## TRADE-MARKS CANCELED.

113,818. Candy. The Snyder-Chaffee Company, Columbus, Ohio. Registered October 31, 1916. Canceled October 27, 1925.

153,869. Ammonium sulphoichthyolate. Standard Oil Company, (Incorporated in New Jersey), Bayonne, N. J., and New York, N. Y. Registered March 28, 1922. Canceled November 11, 1925.

162,553. Timber-joint plates. Midwest Steel & Supply Company, Inc., New York, N. Y. Registered December 19, 1922. Canceled November 11, 1925.

173,044. Artificial fish baits. Water-Witch Company, Lake Odessa, Mich. Registered September 11, 1923. Canceled November 11, 1925.

187,064. Applicators containing medicaments. Cook Laboratories, Inc., Chicago, Ill. Registered July 22, 1924. Canceled November 11, 1925.

188,861. Ampuls or carpules containing medicaments. Cook Laboratories, Inc., Chicago, Ill. Registered September 2, 1924. Canceled November 11, 1925.

191,817. Chocolate. Eline's Incorporated, Milwaukee, Wis. Registered November 18, 1924. Canceled November 11, 1925.

199,453. Lumber. American Wood Impregnation Corporation, New York, N. Y. Registered June 9, 1925. Canceled November 11, 1925.

## ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,421,412, Cory and Gray, Friction lining, decided October 16, 1925, claim 8.

Pat. 1,464,322, F. A. Kolster, Radio receiving method and apparatus, decided October 14, 1925, claims 1 to 4, inclusive.

Pat. 1,477,587, A. T. Perkins, Crushing machine, decided October 15, 1925, claims 1, 3, 4, 5, 6, and 8.

## Disclaimers.

1,131,361.—*Frederick Laren Gallup*, Media, Pa. PROCESS OF MAKING GRANULAR NITRATE OF AMMONIA. Patent dated March 9, 1915. Disclaimer filed October 28, 1925, by the assignee, *E. I. du Pont de Nemours and Company*.

Hereby enters its disclaimer to such parts of the thing patented as it does not choose to claim or to hold by virtue of the above-mentioned patent or assignments as follows:

To the process specified in claims 1 and 3 as applied to the production of small, fine grains of ammonium nitrate.

1,492,329.—*James S. Lang*, Watertown, Mass. SHOCK ABSORBER. Patent dated April 29, 1924. Disclaimer filed October 24, 1925.

Hereby enters this disclaimer to the said claims 1, 2, 6, and 7 of said patent.

1,540,548.—*George F. Downer*, Cleveland, Ohio. PROCESSES OF PRODUCING STORAGE BATTERIES. Patent dated June 2, 1925. Disclaimer filed November 11, 1925, by the patentee.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit, claim 1:

"1. The process of producing a storage battery plate which contains the steps of pasting a grid with a paste of lead oxide and water and subsequently immersing the same prior to any material drying and while the surface pores are full of water, in a solution of sulphuric acid having a specific gravity between about 1.050 and about 1.300 until the paste is sufficiently sulphated."

# TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 24, 1925.

[VOL. 340. No. 4.]

**The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.**

**Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.**

**As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.**

Ser. No. 136,391. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BUFFALO WEAVING & BELTING CO., Buffalo, N. Y. Filed Aug. 24, 1920.

"Buffalo" Quality

No claim is made for the word "Quality."

*Particular description of goods.*—Woven Trunk Straps, Woven Razor Straps, Woven Skate Straps, and Woven Bag Straps.

*Claims use* since Aug. 2, 1920.

Ser. No. 164,706. (CLASS 39. CLOTHING.) C. R. HAZZARD, Seattle, Wash. Filed May 31, 1922.

NAIL
FILE TEST
PURE-THREAD
SILK

Registration rights in the words "Nail File Test Pure-Thread Silk" are disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Hosiery.

*Claims use* since May 18, 1922.

Ser. No. 170,898. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HOGE EDMUNDSON RICHARDSON, doing business as Rite-Wa Cleaning Co., Washington, D. C. Filed Oct. 18, 1922.

RITE-WA

*Particular description of goods.*—Cleanser of Rugs, Draperies, Upholstered Furniture, Dress Goods, Silk Blankets, etc.

*Claims use* since July, 1919.

Ser. No. 173,627. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) DE ZENG STANDARD CO., Camden, N. J. Filed Dec. 21, 1922.

TRULITE

*Particular description of goods.*—Eye-Examining Instruments—Namely, Ophthalmoscopes, Retinascopes, Illuminators, Transilluminators, Perimeters, Optometers, Phorometers, Phoroptors, and Light Screens.

*Claims use* since about Nov. 29, 1922.

Ser. No. 187,662. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE CALORIZING COMPANY, Pittsburgh, Pa. Filed Oct. 30, 1923.

CALCO

*Particular description of goods.*—Recuperators and Air Heaters.
*Claims use* since October, 1920.

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Ser. No. 187,890. (CLASS 15. OILS AND GREASES.) CLIFFORD H. WAGONER, Zanesville, Ohio. Filed Nov. 2, 1923.

"The High Test Gasoline" appearing on the drawing and being descriptive of the goods are disclaimed apart from the mark shown.
*Particular description of goods.*—Gasoline.
*Claims use* since June 1, 1923.

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Ser. No. 189,364. (CLASS 45. BEVERAGES, NONALCOHOLIC.) KIC-NIC, INCORPORATED, New York, N. Y. Filed Dec. 7, 1923.

KIC-NIC

*Particular description of goods.*—Nonalcoholic, Maltless Vegetable-Compound Beverage Containing Coffee, Sold as a Soft Drink, and Sirup for Making the Same.
*Claims use* since Nov. 16, 1923.

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Ser. No. 197,034. (CLASS 15. OILS AND GREASES.) MAGNOLIA PETROLEUM COMPANY, Galveston and Dallas, Tex. Filed May 14, 1924.

No claim is made for "Supergas" except as part of the mark shown in the drawing.
*Particular description of goods.*—High-Grade Gasoline.
*Claims use* since Apr. 4, 1924.

Ser. No. 198,285. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA ALMOND GROWERS EXCHANGE, San Francisco, Calif. Filed June 9, 1924.

BLUE DIAMOND BRAND
ALMOND SPREAD

The right to the exclusive use of the words "Brand" and "Almond Spread" is disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Almond Paste Composition Formed of Ground Almonds Adapted for Use as a Sandwich Spread.
*Claims use* since Nov. 15, 1923.

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Ser. No. 200,452. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BELLE N. KIDD, Vancouver, Wash. Filed July 24, 1924.

Body Glo
BATH MITT

The words "The Wash Cloth That Fits the Hand" and "Bath Mitt" are disclaimed apart from the mark as shown in the drawing, the mark consisting of "Body-Glo" and the fanciful representation of a female figure seated beside a pool.
*Particular description of goods.*—Bath Mitts.
*Claims use* since July 1, 1922.

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Ser. No. 201,988. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) TOWNSEND MANUFACTURING COMPANY, Hatfield, Pa. Filed Aug. 28, 1924.

NU-LASTIC

*Particular description of goods.*—Narrow Elastic Fabrics.
*Claims use* since December, 1923.

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Ser. No. 202,514. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WALLER E. MORGAN, Mount Vernon, N. Y. Filed Sept. 1, 1924.

Mi-T

*Particular description of goods.*—Metal Polish for Brass, Nickel, Silver, and Copper.
*Claims use* since May 31, 1924.



Ser. No. 202,544. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. BAHNSEN & CO., INC., New York, N. Y. Filed Sept. 12, 1924.

MOLERA

*Particular description of goods.*—Woven Combination Silk and Wool Coating Fabrics.
*Claims use* since Aug. 1, 1924.

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Ser. No. 202,545. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. BAHNSEN & CO., INC., New York, N. Y. Filed Sept. 12, 1924.

REPLERA

*Particular description of goods.*—Woven Worsted Coating Fabrics.
*Claims use* since Aug. 1, 1924.

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Ser. No. 202,546. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. BAHNSEN & CO., INC., New York, N. Y. Filed Sept. 12, 1924.

VOGERA

*Particular description of goods.*—Woven Wool Coating Fabrics.
*Claims use* since Aug. 1, 1924.

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Ser. No. 202,562. (CLASS 39. CLOTHING.) NOBILITY GLOVES, INC., New York, N. Y. Filed Sept. 12, 1924.

No claim is made to the exclusive use of the word "Pierlis" apart from the peculiar construction of the letter "P" and the circles within which the word appears.
*Particular description of goods.*—Gloves of Leather and Like Material.
*Claims use* since Apr. 22, 1924.

Ser. No. 202,791. (CLASS 45. BEVERAGES, NONALCOHOLIC.) H. C. BOTKIN, doing business as Red Pep Co., Harriman, Tenn. Filed Sept. 20, 1924.

No claim is made to the use of the words "Drink, Smile, From Dixie" apart from the trade-mark as shown on the drawing.
*Particular description of goods.*—Nonalcoholic, Maltless Beverage Sold As a Soft Drink.
*Claims use* since 1914.

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Ser. No. 202,816. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. H. LUDEN INC., Reading, Pa. Filed Sept. 20, 1924.

SILK GLOSS

*Particular description of goods.*—Candy.
*Claims use* since Dec. 5, 1923.

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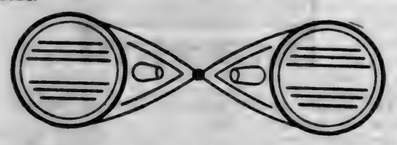
Ser. No. 202,855. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CHAYES SYSTEM LABORATORIES, INC., New York, N. Y. Filed Sept. 22, 1924.



*Particular description of goods.*—Grinding or Cutting Points or Wheels Such As Are Used by Dentists.
*Claims use* since Apr. 2, 1924.

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Ser. No. 202,857. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CHAYES SYSTEM LABORATORIES, INC., New York, N. Y. Filed Sept. 22, 1924.

TRUPOINT

*Particular description of goods.*—Grinding or Cutting Points Such As Are Used by Dentists.
*Claims use* since Apr. 2, 1924.

Ser. No. 202,858. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CHAYES SYSTEM LABORATORIES, INC., New York, N. Y. Filed Sept. 22, 1924.

**TRUWHEEL**

*Particular description of goods.*—Grinding or Cutting Points or Wheels Such As Are Used by Dentists.
*Claims use* since Apr. 2, 1924.

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Ser. No. 202,863. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE FIRESTONE STEEL PRODUCTS COMPANY, Akron, Ohio. Filed Sept. 22, 1924.

**Firestone**

*Particular description of goods.*—Vehicle Wheels and Rims Therefor.
*Claims use* since June 3, 1912.

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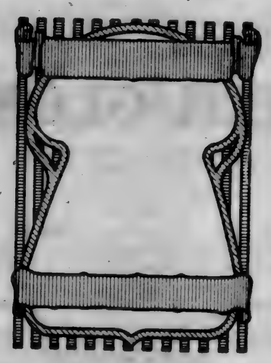
Ser. No. 202,868. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRUIT VALLEY CORPORATION, Rochester, N. Y. Filed Sept. 22, 1924.



The drawing is conventionally lined to indicate the colors red, green, and blue.
*Particular description of goods.*—Compound for Making Puddings and Pies.
*Claims use* since Sept. 6, 1923.

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Ser. No. 202,993. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Sept. 24, 1924.

**CREAMKIST**

Trade-mark consists of the words "Creamkist."
*Particular description of goods.*—Biscuits.
*Claims use* since Apr. 17, 1924.

Ser. No. 202,998. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) LYNN UMBRELLA MFG., CO., Boston, Mass. Filed Sept. 24, 1924.

No claim is made to the pictorial representation of the goods or to the word "Brand" apart from the mark shown in the drawing.
*Particular description of goods.*—Umbrellas.
*Claims use* since February, 1924.

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Ser. No. 203,110. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA LAND & PRODUCTS CORP., Oakland, Calif. Filed Sept. 27, 1924.

**DISTRICT**

*Particular description of goods.*—Fresh Grapes.
*Claims use* since Aug. 9, 1924.

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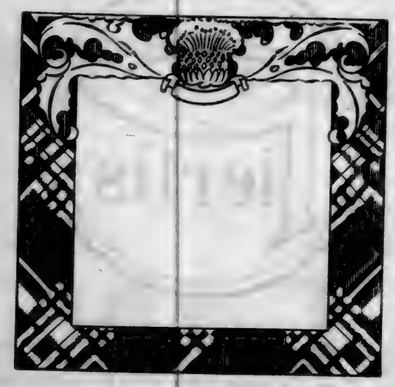
Ser. No. 203,134. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) LIEBMANN BREWERIES, INC., Brooklyn, N. Y. Filed Sept. 27, 1924.



*Particular description of goods.*—Malt Beverages.
*Claims use* since about May 24, 1922.



Ser. No. 204,287. (CLASS 15. OILS AND GREASES.) UNITED OIL COMPANY, Pittsburgh, Pa. Filed Oct. 22, 1924.

**UNITED**

*Particular description of goods.*—Lubricating Oils and Greases Made From Crude Petroleum and Lubricating Oils and Greases Manufactured From Crude-Petroleum Products and Other Mineral, Vegetable, and Animal Products.
*Claims use* since Apr. 16, 1908.

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Ser. No. 204,449. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRIEDR. HERDER ABR. SOHN, Solingen, Germany. Filed Oct. 27, 1924.

No claim is made to the exclusive use of the name "F. Herder" apart from the mark shown on the drawing.
*Particular description of goods.*—Table Knives and Carvers, Bread Knives; Fruit, Butter, and Cheese, and Fish Knives; Paring, Bean, and Kitchen Knives; Gardeners', Pruning, and Inoculating Knives; Knives of All Sorts for Craftsmen, As Shoemakers', Painters', Glaziers', Farriers', Basket-Makers', Sculptors', Putty, and Cook Knives; Bakers' and Butchers' Knives; Ham, Meat, Larding Knives; Chopping Knives with Handle for Mincing Meat and Vegetables; Can Openers; Sailor Knives; Tobacco and Cigar Knives; Razors; Pen and Pocket Knives; Hunting, Bowie Knives, and Daggers; Hair and Beard Clippers; Horse, Sheep, and Cattle Clippers; Scissors, and Edge Tools—Namely, Spatulas (Tools of Painters for Scraping off Colors), Saws, Chisels, Plane Irons, Hatchets, Axes, Matchetes (Long Saberlike Knives for Cutting Sugar Cane, Bananas, etc.), Tongs, Chest Openers, Weapons for Cutting and Stabbing, Forks, Corkscrews, Hammers, Spoons, and Nut Crackers, All Made of Base Metal.
*Claims use* since 1888.

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Ser. No. 204,975. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL STORES CORPORATION, Trenton, N. J. Filed Nov. 7, 1924.

**SPRINGDALE**

*Particular description of goods.*—Butter, Eggs, and Sliced Bacon.
*Claims use* since about Mar. 1, 1923.

Ser. No. 205,216. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE MUTUAL SKIRT CO., INC., New York, N. Y. Filed Nov. 13, 1924.

**Kashinella**

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since May 1, 1924.

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Ser. No. 205,712. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIGGI BROS., INC., Brooklyn, N. Y. Filed Nov. 22, 1924.

**APPLE SAUCE**

*Particular description of goods.*—Candy—Namely, Filled Chocolates.
*Claims use* since May 15, 1924.

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Ser. No. 206,413. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOHNSON FURNITURE COMPANY, Grand Rapids, Mich. Filed Dec. 8, 1924.

Applicant disclaims the name "T. S. Handley" appearing on the drawing apart from the mark shown.
*Particular description of goods.*—Household Wooden Furniture—Namely, Beds, Dressers, Chiffoniers, Cabinets, Chests, Chairs, Tables, Bookcases, Buffets, Smoking Stands, Benches (to Sit on), Mirror Frames, Costumers, Desks, Commodes, Highboys, Taborets, Stands, Footstools, Secretaries, Bureaus, Wardrobes, Sideboards, Pedestals, Davenports, Sofas, Settees, Lamp Stands, Book Ends, Book Troughs, and Tea Wagons.
*Claims use* since Sept. 24, 1924.

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Ser. No. 206,630. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JULIUS SCHMID, INC., New York, N. Y. Filed Dec. 12, 1924.

**FORMALITH**

*Particular description of goods.*—Chinese Dominoes, Dice, Poker Chips, Billiard Tables, Building Blocks, Card Games, Checkers and Checkerboards, Puzzle Games, Dominoes, Lottos, and Chess.
*Claims use* since August, 1924.

Ser. No. 207,080. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE C. D. JARRATT COMPANY, San Antonio, Tex. Filed Dec. 22, 1924.

No claim is made to the pictorial representation of the goods and the container apart from the other features of the mark.

*Particular description of goods.*—Texas Vegetable—Namely, Fresh Texas Spinach.

*Claims use* since Dec. 4, 1924.

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Ser. No. 207,168. (CLASS 15. OILS AND GREASES.) BANG SERVICE STATIONS, INC., Mount Vernon, N. Y., assignor to Galena-Signal Oil Co. (of Texas), New York, N. Y., a Corporation of Texas. Filed Dec. 24, 1924.

TAX OIL

No claim is made to the exclusive use of the word "Oil" apart from the mark shown in the drawing.

*Particular description of goods.*—Lubricants.

*Claims use* since November, 1924.

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Ser. No. 207,511. (CLASS 38. PRINTS AND PUBLICATIONS.) NEA SERVICE, INC., Cleveland, Ohio. Filed Dec. 31, 1924.

OUT OUR WAY

*Particular description of goods.*—Comic Strip.

*Claims use* since Mar. 1, 1922.

Ser. No. 207,859. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. DOOB, SONS & COMPANY, New York, N. Y. Filed Jan. 9, 1925.

SQUARE 'D' FABRICS

D

No claim is made to the word "Fabrics" apart from the mark shown in the drawing.

*Particular description of goods.*—Cotton and Silk-Cotton Piece Goods.

*Claims use* since Sept. 1, 1909.

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Ser. No. 207,879. (CLASS 38. PRINTS AND PUBLICATIONS.) NEA SERVICE, INC., Cleveland, Ohio. Filed Jan. 9, 1925.

OUR BOARDING HOUSE

*Particular description of goods.*—Comic strip.

*Claims use* since Sept. 1, 1921.

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Ser. No. 208,706. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. C. HOLST, doing business as Remo Chemical Co., Washington, D. C. Filed Jan. 27, 1925.

REMO

*Particular description of goods.*—Antacid and Stomach Corrective.

*Claims use* since Jan. 10, 1925.

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Ser. No. 208,976. (CLASS 39. CLOTHING.) GLUCK & COHEN, New York, N. Y. Filed Feb. 2, 1925.

SLIPSILK

Trade-Mark consists of the word "Slipsilk."

*Particular description of goods.*—Ladies' and Misses' Undergarments made of Textile and Knitted Fabrics.

*Claims use* since Oct. 1, 1924.



Ser. No. 209,558. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BIG BILL BOTTLING COMPANY, Winston-Salem, N. C. Filed Feb. 14, 1925.

BIG ROCK & RYE BILL

*Particular description of goods.*—Nonalcoholic, Maltless, Carbonated Beverages.

*Claims use* since Jan. 15, 1925.

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Ser. No. 209,573. (CLASS 12. CONSTRUCTION MATERIALS.) J. V. GREEVER LUMBER CO., Oklahoma City, Okla. Filed Feb. 14, 1925.

Shotgun Service

*Particular description of goods.*—Lumber and Millwork.

*Claims use* since June 23, 1921.

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Ser. No. 210,789. (CLASS 39. CLOTHING.) JACOB GERHARDT & SONS, New York, N. Y. Filed Mar. 10, 1925.

THE CORTLEY

*Particular description of goods.*—Work, Dress, and Negligee Shirts and Pyjamas for Men and Boys.

*Claims use* since Feb. 17, 1916.

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Ser. No. 211,198. (CLASS 39. CLOTHING.) BROMLEY-SHEPARD CO., INC., Lowell, Mass. Filed Mar. 18, 1925.

Panty Brassiere

No claim is made to the use of the word "Brassiere" apart from the mark shown on the drawing.

*Particular description of goods.*—Silk Knitted Fabric or Glove-Silk One-Piece Underwear—Brassières and Step-Ins—as an Article of Wearing Apparel.

*Claims use* since February, 1924.



Ser. No. 211,244. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WHITING LEATHER & BELTING CO., INC., Long Island City, N. Y. Filed Mar. 18, 1925.

DU-O-TAN

*Particular description of goods.*—Leather Belting and Rawhide Cut Lace for Leather Belting.

*Claims use* since Jan. 1, 1925.

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Ser. No. 211,510. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE WILLYS-OVERLAND COMPANY, Toledo, Ohio. Filed Mar. 23, 1925.

Overland 6

No claim is made to the exclusive use of the numeral "6" apart from the mark shown on the drawing.

*Particular description of goods.*—Passenger-Carrying Automobiles.

*Claims use* since on or about Jan. 15, 1925.

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Ser. No. 211,908. (CLASS 12. CONSTRUCTION MATERIALS.) EDWIN C. ECKEL, Washington, D. C. Filed Mar. 31, 1925.

TITAN

*Particular description of goods.*—Cement.

*Claims use* since Mar. 16, 1925.

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Ser. No. 211,985. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE DALLAS MANUFACTURING CO., Huntsville, Ala. Filed Apr. 1, 1925.

Florentine

Trade-mark consists of the word "Florentine."

*Particular description of goods.*—Cotton Piece Goods.

*Claims use* since 1893.

Ser. No. 212,489. (CLASS 39. CLOTHING.) FRANKLIN KNITTING MILLS, INC., New York, N. Y. Filed Apr. 10, 1925.

The word "Franklin" and the words "Finest Imported Wool" are disclaimed apart from the mark shown.
*Particular description of goods.*—Woolen Sweaters.
*Claims use* since about Nov. 20, 1924.

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Ser. No. 212,552. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Apr. 11, 1925.

*Particular description of goods.*—Piece Goods Made of Silk and Cotton and Mixtures Thereof.
*Claims use* since Mar. 28, 1925.

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Ser. No. 212,695. (CLASS 39. CLOTHING.) PAUKER BROS., New York, N. Y. Filed Apr. 14, 1925.

The lining appearing on drawing is for shading only.
*Particular description of goods.*—Men's Hosiery, Mufflers, Sweaters, Four-in-Hand Ties, Bow Ties, and Cravats.
*Claims use* since March, 1924.

Ser. No. 213,326. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SOCIETE EN NOM COLLECTIF M. & L. BIETTE FRERES, Nantes, France. Filed Apr. 25, 1925.

No claim is made of the wording shown on the drawing with the exception of the words "Les Saisons," "Printemps," "Ete," "Automne," and "Hiver."
*Particular description of goods.*—Soaps.
*Claims use* since June, 1923.

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Ser. No. 213,367. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CRESCENT DENTAL MFG. CO., Chicago, Ill. Filed Apr. 27, 1925.

MODELOY

*Particular description of goods.*—Alloy for Making Models and Filling of Teeth.
*Claims use* since Feb. 7, 1922.

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Ser. No. 213,663. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORTHWEST CHEMICAL & SCHOOL SUPPLY CO., Spokane, Wash. Filed May 1, 1925.

*Particular description of goods.*—Floor Dressing and Liquid Polish.
*Claims use* since Oct. 1, 1917.



Ser. No. 213,704. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FEARING, WHITON & CO. INC., Boston, Mass. Filed May 2, 1925.

TIFFIN CLOTH

No claim is made to the word "Cloth" apart from the mark shown in the drawing.
*Particular description of goods.*—Cotton Tablecloths, Cotton Napkins, Cotton Table Runners, and Cotton Doilies.
*Claims use* since Apr. 18, 1925.

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Ser. No. 213,724. (CLASS 32. FURNITURE AND UPHOLSTERY.) NEW ENGLAND BEDDING COMPANY, Boston, Mass. Filed May 2, 1925.

No registration rights are claimed for the words "Boston" and "Line" apart from the mark shown in the drawing.
*Particular description of goods.*—Beds, Divans, Couches, Hammocks, and Hammock Stands.
*Claims use* since May, 1922.

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Ser. No. 214,034. (CLASS 39. CLOTHING.) TOBIAS T. ROCHMAN, New York, N. Y. Filed May 8, 1925.

The Superior
BOW STA - RITE TIE

Applicant disclaims the words "The Superior Bow Tie" apart from the mark as shown in drawing.
*Particular description of goods.*—Bow Ties.
*Claims use* since May 1, 1924.

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Ser. No. 214,112. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMENDT MILLING CO., Monroe, Mich. Filed May 11, 1925.

*Particular description of goods.*—Wheat Flour.
*Claims use* since Jan. 10, 1899.

Ser. No. 214,410. (CLASS 39. CLOTHING.) ALFRED G. GENNERT, New York, N. Y. Filed May 16, 1925.

RING GRIP

No claim is made to the exclusive right to the use of the words "Ring Grip" except as shown in the particular manner illustrated in the drawing.
*Particular description of goods.*—Belts for Personal Wear.
*Claims use* since May 9, 1925.

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Ser. No. 214,421. (CLASS 38. PRINTS AND PUBLICATIONS.) IRON AGE PUBLISHING COMPANY, New York, N. Y. Filed May 16, 1925.

Hardware Buyers Catalog

No claim is made to the exclusive use of the word "Catalog" apart from the trade-mark "Hardware Buyers Catalog."
*Particular description of goods.*—Catalogue Published Periodically.
*Claims use* since July 10, 1924.

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Ser. No. 214,569. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SPUNELLA LIMITED, London, England. Filed May 19, 1925.

Spunella

*Particular description of goods.*—Silk Piece Goods.
*Claims use* since October, 1906.

Ser. No. 214,732. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED A. LINDSEY, doing business as Lindsey Products Company, Chicago, Ill. Filed May 22, 1925.

Applicant disclaims the word "Lindsey" apart from the mark shown.

*Particular description of goods.*—Toilet Preparations Comprising Facial Cream, Wrinkle and Tissue Cream, Freckle Cream, Skin Peeler, Liquid Cleansing Cream, Beauty Clay Face Pack, Skin Tonic and Astringent Lotion, Muscle Oil, Face Powder, Solid Pack Face Powder, Liquid Face Powder, Talcum Powder, Rouge Compact, Face-Powder Compact, Eyebrow Pencil, Lip Rouge, Lip-Rouge Stick, Eyelash Cosmetic, Perfume, Toilet Water, Sachet Powder, Hand Lotion, Bath Perfume and Water Softener, Odor Neutralizer, Depilatory Powder, Foot Powder, After-Shaving Lotion, Bay Rum, Cuticle Remover, Liquid Nail Polish, Nail-Polishing Powder, Nail Whitener and Cleaner, Solid Hair Shampoo, Liquid Hair Shampoo, Brilliantine Liquid, Brilliantine Solid, Bandolene, Hair Tonic, Hair Straightener, Hair Arranger, and Hair Waving and Curling Fluid.

*Claims use* since Feb. 1, 1924.

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Ser. No. 214,959. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HICKSON-YOUNG COMPANY, Portland, Oreg. Filed May 27, 1925.

The word "Brand," "A Revelation in Trout Bait," "Salmon Paste," and "It Milks in the Water" are disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Fish Bait.

*Claims use* since Sept. 27, 1919.

Ser. No. 214,965. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KRONN & JACOBSON, INC., New York, N. Y. Filed May 27, 1925.

**DREAM GIRL**

*Particular description of goods.*—Silks in the Piece and Silk Mixtures in the Piece.

*Claims use* since Oct. 1, 1924.

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Ser. No. 214,973. (CLASS 39. CLOTHING.) PENN LEATHER COMPANY, Philadelphia, Pa. Filed May 27, 1925.

The words "Penn Leather Co., Philadelphia, Pa., U. S. A.," and "Dependable Oak" are disclaimed apart from the mark as shown on the drawing.

*Particular description of goods.*—Leather Soles, Tap Soles, and Slip Soles.

*Claims use* since Jan. 1, 1915.

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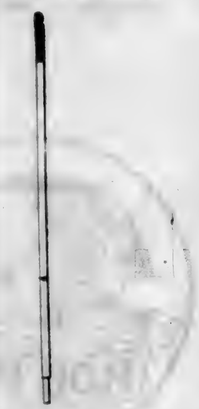
Ser. No. 215,102. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) STOVER MANUFACTURING & ENGINE CO., Freeport, Ill. Filed May 29, 1925.



The drawing has the upper end of mop handle hatched to indicate red coloring. No claim is made to the representation of the goods.

*Particular description of goods.*—Mopsticks.

*Claims use* since May 1, 1925.



Ser. No. 215,890. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BURROW WHOLESALE GROCER CO., Pocahontas, Ark. Filed June 17, 1925.

**OZARK BEAUTY**

*Particular description of goods.*—Sirup for Table Purposes, Coffee, and Cocoa.

*Claims use* since May 26, 1921.

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Ser. No. 216,090. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES M. DE LAND, New York, N. Y. Filed June 20, 1925.

**MONTEBELLO**

*Particular description of goods.*—Woolen Piece Goods.

*Claims use* since October, 1923.

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Ser. No. 216,390. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HALE COMPANY, San Francisco, Calif. Filed June 25, 1925.

**TIP TOP**

*Particular description of goods.*—Walnuts in Their Natural State Shelled and in the Shell, Peanuts in Their Natural State Shelled and in the Shell.

*Claims use* since Sept. 30, 1924.

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Ser. No. 216,392. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE J. HOMAN, doing business as Waterloo Chemical Laboratories, Waterloo, Iowa. Filed June 25, 1925.

**CHICKAZONE**

*Particular description of goods.*—Liquid and Tablet Treatment for Poultry Diseases, and Also for Treatment of Soreness of the Human Throat. Also for the Treatment of Excessive Perspiration of the Human Feet.

*Claims use* since Jan. 1, 1909.

Ser. No. 216,472. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) OKLAHOMA STEEL CASTINGS CO., Tulsa, Okla. Filed June 26, 1925.

**PDQ**

*Particular description of goods.*—Steel Castings.

*Claims use* since May 1, 1925.

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Ser. No. 216,685. (CLASS 6 CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOWER & CO. INC., New York, N. Y. Filed June 30, 1925.

*Cupidsbow*

*Particular description of goods.*—Lip Sticks.

*Claims use* since June 15, 1924.

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Ser. No. 216,710. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LINA CAVALIERI, Neuilly-sur-Seine, France. Filed July 1, 1925.

Trade-mark comprises the portrait and signature of the applicant.

*Particular description of goods.*—Toilet and Face Soaps.

*Claims use* since Jan. 16, 1924.

Ser. No. 216,751. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) 2-J SOAP CO. INC., Portland, Oreg. Filed July 1, 1925.

*Particular description of goods.*—Soaps — Namely, Powdered Soap, Aluminum Cleaner, Toilet Soap, and Fiber Soap.
*Claims use* since Jan. 1, 1914.

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Ser. No. 216,796. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) EDW. E. ROBINSON, New York, N. Y. Filed July 2, 1925.

EXCELSIOR

Trade-mark consists of the word "Excelsior."
*Particular description of goods.*—Paint and Varnish Brushes.
*Claims use* since October, 1924.

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Ser. No. 216,839. (CLASS 39. CLOTHING.) HARRY KITZINGER, doing business as Harry Kitzinger & Company, New York, N. Y. Filed July 3, 1925.

CAMPUS MAID

Trade-mark consists of the words "Campus Maid."
*Particular description of goods.*—Ladies', Misses', Juniors', and Girls' Coats and Wraps.
*Claims use* since June 12, 1925.

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Ser. No. 217,081. (CLASS 2. RECEPTACLES.) FOOD FLAVOUR PRESERVATION PROCESS LIMITED, Leigh-on-Sea, England. Filed July 9, 1925.

TRADE F F PRESERBAG P P MARK

The exclusive rights to the words "Trade-Mark" and "Bag" and the letters "F. F. P. P." are disclaimed apart from the mark as shown.
*Particular description of goods.*—Bags Made of Material Impermeable to Air.
*Claims use* since June 10, 1914.

Ser. No. 217,152. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HEYER DUPLICATOR COMPANY, INC., Chicago, Ill. Filed July 10, 1925.

LETTERGRAPH

*Particular description of goods.*—Letter-Duplicating Machines.
*Claims use* since May 2, 1925.

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Ser. No. 217,285. (CLASS 39. CLOTHING.) TERESINA MARIA NEGRI, Paris, France. Filed July 13, 1925.

GRISINA

*Particular description of goods.*—Breast Supporters, Collars, Belts, Corsets, and Hose Supporters.
*Claims use* since Mar. 4, 1920.

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Ser. No. 217,412. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATIONAL FABRIC AND FINISHING COMPANY, Boston, Mass. Filed July 15, 1925.

COLTEX

*Particular description of goods.*—Cotton Piece Goods and Cotton Fabrics—Namely, Khaki-Colored Cotton Textiles and Cotton Moleskin Fabrics.
*Claims use* since about May 15, 1925.

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Ser. No. 217,488. (CLASS 38. PRINTS AND PUBLICATIONS.) VANDERBILT NEWSPAPERS, INC., Miami, Fla. Filed July 16, 1925.

*Particular description of goods.*—Daily Newspaper.
*Claims use* since Jan. 12, 1925.

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Ser. No. 217,820. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CURTISS CANDY CO., Chicago, Ill. Filed July 24, 1925.

COCOANUT GROVE

*Particular description of goods.*—Candy and Candy Bars.
*Claims use* since Jan. 2, 1924.



Ser. No. 217,917. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HARRY BLUM, doing business as Philip Blum & Company, Chicago, Ill. Filed July 27, 1925.

BELLE of KENTUCKY

No claim is made to the word "Kentucky" apart from the mark shown in the drawing.
*Particular description of goods.*—Whisky.
*Claims use* since about Sept. 1, 1900.

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Ser. No. 217,940. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE MARBOLT BOTTLING CO., Minneapolis, Minn. Filed July 27, 1925.

DEEP ROCK

*Particular description of goods.*—Ginger Ale.
*Claims use* since Apr. 1, 1907.

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Ser. No. 218,051. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) COMMONWEALTH STEEL COMPANY, St. Louis, Mo. Filed July 29, 1925.

CSCO

*Particular description of goods.*—Vehicle Parts, Particularly Underframes, Platforms, End Sills, Buffing Sills, Upright End Frames, Corner Brackets, Bolsters, Tank Saddles, Needle Beams, Crossties, Cross-bearers, Draft Sills, Transom Draft Gears, Striking Plates, Carry Irons, Buffer Pockets, Trucks, and Truck Parts, such as Truck Frames, Truck Bolsters, Spring Planks, Pedestals, Spring Seats and Caps, Center Plates, Equalizers, and Locomotive-Tender Frames.
*Claims use* since 1902.

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Ser. No. 218,070. (CLASS 39. CLOTHING.) LONDON SHOE COMPANY, INC., New York, N. Y. Filed July 29, 1925.

CHARACTER

*Particular description of goods.*—Shoes for Men, Women, and Children, Made of Leather, Felt, Leather and Fabric, Rubber, Rubber and Fabric, Rubber, Leather, and Fabric, Rubber and Leather, Leather, Felt, Rubber, and Fabric, Leather and Felt, and Rubber and Felt.
*Claims use* since October, 1902.

Ser. No. 218,131. (CLASS 12. CONSTRUCTION MATERIALS.) MINWAX COMPANY, INC., New York, N. Y., and Chicago, Ill. Filed July 30, 1925.

BITULOID

*Particular description of goods.*—Asphalt Product for Use as Coating, Waterproofing, Roofing, Paving, or Adhesive Bonding or Cementing Uses.
*Claims use* since Jan. 1, 1925.

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Ser. No. 218,151. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN MILLING COMPANY, Peoria, Ill. Filed July 31, 1925.

*Particular description of goods.*—Dairy Feed.
*Claims use* since Nov. 25, 1924.

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Ser. No. 218,195. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MENKE, KAUFMANN & CO., INC., New York, N. Y. Filed July 31, 1925.

Prints Charming

No claim is made to the exclusive right to the use of either of the words "Prints" or "Charming," but only to the use of the words in the order shown.
*Particular description of goods.*—Silk Goods in Piece.
*Claims use* since July 17, 1925.

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Ser. No. 218,216. (CLASS 32. FURNITURE AND UPHOLSTERY.) O. SIMMS MANUFACTURING CO., New York, N. Y. Filed July 31, 1925.

U-M-F-Y BENCH CUSHIONS

Exclusive use of the words "Bench Cushions" apart from the other features of the mark shown in the drawing is disclaimed.
*Particular description of goods.*—Bench and Seat Cushions.
*Claims use* since June 1, 1924.

Ser. No. 218,337. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERICH SCHULZE, Hannover, Germany. Filed Aug. 3, 1925.

NOVUTOX

*Particular description of goods.*—Sterilizing Solution for Local Anaesthesia and Surgical Purposes.
*Claims use* since June 21, 1924.

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Ser. No. 218,411. (CLASS 37. PAPER AND STATIONERY.) MORRIS HARRIS, Los Angeles, Calif. Filed Aug. 5, 1925.

No claim is made to the exclusive use of the words "Harriss", "Check" and "System". The lines shown in the central portion of the seal are not indicative of color, but are mere shading lines.
*Particular description of goods.*—Bank Checks and Deposit Books.
*Claims use* since June, 1924.

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Ser. No. 218,478. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE GLOBE SOAP COMPANY, Cincinnati, Ohio. Filed Aug. 6, 1925.

No claim is made to the registration of the words "White Soap Chips" or the words "Makes Quick Lasting Suds" apart from the trade-mark shown.
*Particular description of goods.*—Soap Chips.
*Claims use* since July 20, 1925.

Ser. No. 218,483. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H-A-S COFFEE COMPANY, St. Louis, Mo. Filed Aug. 6, 1925.

HONEY MOON TRAIL

*Particular description of goods.*—Teas, Spices, Flavoring Extracts for Food Purposes, Vinegar, and Mustard.
*Claims use* since May 1, 1923.

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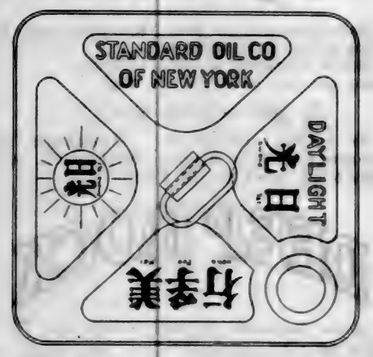
Ser. No. 218,506. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Aug. 6, 1925.




No claim is made to the exclusive right to the use of the representation of the can top apart from the mark shown in the drawing. The trade-mark consists of the Chinese characters "Yat Kwong" and "Mei Foo Hong", an English translation of which is as follows: "Yat Kwong" daylight; "Mei", admirable, lovely; "Foo", to repose confidence in; "Hong", business, firm, or company.
*Particular description of goods*—Petroleum and Products of Petroleum With or Without Admixtures of Other Materials for Illuminating, Heating, Power, Burning, Lubricating, Greasing, Solvent, Sealing, Waxing, Waterproofing, Coating, Rust Preventing, Surface Preserving, and Tempering.
*Claims use* since June 29, 1925.

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Ser. No. 218,521. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST BISCUIT COMPANY, Seattle, Wash. Filed Aug. 7, 1925.

Rosebud

*Particular description of goods.*—Candy.
*Claims use since* September, 1900.

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Ser. No. 218,526. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SCHUSTER COMPANY, Cleveland, Ohio. Filed Aug. 7, 1925.

*Particular description of goods.*—Candy.
*Claims use* since on or about Jan. 1, 1925.



Ser. No. 218,571. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OCEANO PRODUCTS COMPANY, Newark, N. J. Filed Aug. 8, 1925.

SEA-TONE

*Particular description of goods.*—Compounded Medicinal Tonic Table Water.
*Claims use* since Aug. 6, 1925.

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Ser. No. 218,618. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FEDERAL PHOSPHOROUS CO., Anniston, Ala. Filed Aug. 10, 1925.

FEDERAL CHEMICALS

No claim is made to the word "Chemicals" apart from the mark shown in the drawing.
*Particular description of goods.*—Phosphoric Acid, Phosphoric-Acid Paste, Monoammonium Phosphate, Monocalcium Phosphate, and Trisodium Phosphate.
*Claims use* since Apr. 21, 1925.

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Ser. No. 218,700. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HISCOX CHEMICAL WORKS, Patchogue, N. Y. Filed Aug. 11, 1925.

FLORESTON

*Particular description of goods.*—Shampoos.
*Claims use* since about Jan. 1, 1914.

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Ser. No. 218,754. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOULD CHEESE COMPANY, Minneapolis, Minn. Filed Aug. 12, 1925.

*Particular description of goods.*—Sweet-Cream Cheese.
*Claims use* since July 6, 1925.

Ser. No. 218,820. (CLASS 39. CLOTHING.) RICHMOND DRY GOODS CO., INC., Richmond, Va. Filed Aug. 13, 1925.

Lady Fairfax

No claim is made for the use of the word "Fairfax" apart from the mark shown on the drawing.
*Particular description of goods.*—Hosiery.
*Claims use* since July 7, 1925.

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Ser. No. 218,911. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUGENE H. FRANKEN, New York, N. Y. Filed Aug. 15, 1925.

AWF

*Particular description of goods.*—Depilatory.
*Claims use* since May 1, 1925.

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Ser. No. 218,920. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KELSEY-WILSON TEXTILE CORPORATION, New York, N. Y. Filed Aug. 15, 1925.

KUSANCREPE

Trade-mark consists of the word "Kusancrepe".
*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since July 24, 1925.

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Ser. No. 218,949. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNA LUCILLE BURKE, doing business as Odorex Laboratories, Oakland, Calif. Filed Aug. 17, 1925.

*Particular description of goods.*—Deodorant.
*Claims use* since June 18, 1925.

Ser. No. 218,998. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PENDERGAST CANDY COMPANY, Minneapolis, Minn. Filed Aug. 17, 1925.

IT'S A FAT EMMA ChoiSweet

The words "Choi Sweet" are disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Candy and Candy Bars.

*Claims use* since Sept. 1, 1924.

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Ser. No. 219,097. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THOS. E. WILSON & CO., Chicago, Ill. Filed Aug. 19, 1925.

Thos.E.Wilson & Co. GUARANTEED

No claim is made to the word "Guaranteed" apart from the other features of the mark. The name "Thos. E. Wilson & Co." is a facsimile of the corporation signature in the handwriting of Thos. E. Wilson. No claim is made to the name except in the exact form shown in drawing.

*Particular description of goods.*—Baseball Bats.

*Claims use* since Apr. 23, 1925.

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Ser. No. 219,171. (CLASS 37. PAPER AND STATIONERY.) ECONOMY SERVICE CORPORATION, Chicago, Ill. Filed Aug. 21, 1925.

ESCO

*Particular description of goods.*—Paper Napkins.

*Claims use* since Mar. 7, 1924.

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Ser. No. 219,221. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) BOSCH FOOD PRODUCTS CO., Peoria, Ill. Filed Aug. 22, 1925.

NUF SED

*Particular description of goods.*—Malt Extract.

*Claims use* since May 7, 1925.

Ser. No. 219,249. (CLASS 39. CLOTHING.) LANVETTE FASHIONS INC., New York, N. Y. Filed Aug. 22, 1925.

Lanvette

Trade-mark consists of the word "Lanvette."

*Particular description of goods.*—Ladies' Dresses, Coats, and Ensemble Suits.

*Claims use* since July 28, 1925.

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Ser. No. 219,258. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NASHUA MANUFG. COMPANY, Nashua, N. H. Filed Aug. 22, 1925.

WOODMAN

Trade-mark consists of the word "Woodman."

*Particular description of goods.*—Cotton Piece Goods.

*Claims use* since Aug. 6, 1925.

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Ser. No. 219,300. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NONSPI COMPANY, Kansas City, Mo. Filed Aug. 24, 1925.

Lauren Lotion

The word "Lotion" appearing on the drawing is disclaimed.

*Particular description of goods.*—Lotion for use on Chapped Hands and Face and After Shaving.

*Claims use* since Aug. 14, 1925.

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Ser. No. 219,326. (CLASS 38. PRINTS AND PUBLICATIONS.) F. W. DODGE CORPORATION, New York, N. Y. Filed Aug. 25, 1925.

The DODGE BULLETIN

*Particular description of goods.*—Daily Construction News Bulletin.

*Claims use* since Mar. 16, 1925.

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Ser. No. 219,338. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) G & G KYNOCH LIMITED, London, England, and Keith, Scotland. Filed Aug. 25, 1925.

TWISTEX

*Particular description of goods.*—Cloths and Stuffs of Wool, Worsted, and Hair.

*Claims use* since about Apr. 7, 1925.



Ser. No. 219,393. (CLASS 37. PAPER AND STATIONERY.) SAMUEL N. HOLMAN, doing business as Interest Bearing Draft Co., New York, N. Y. Filed Aug. 26, 1925.

I.B.D. INTEREST BEARING DRAFTS SAFETY FIRST TRADE MARK

No claim is made to the words "Interest Bearing Drafts" and "Safety First" and "Trade-Mark" apart from the mark shown in the drawing.

*Particular description of goods.*—Drafts, Checks, and Money Orders.

*Claims use* since July 1, 1925.

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Ser. No. 219,412. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GUY ABRAM SHOOK, Waco, Tex. Filed Aug. 26, 1925.

Electro-Ray

The drawing is lined for orange and purple.

*Particular description of goods.*—Electrically-Treated Water.

*Claims use* since Aug. 1, 1925.

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Ser. No. 219,416. (CLASS 39. CLOTHING.) WURDEMAN TEXTILE MILLS, INC., Fort Plain, N. Y. Filed Aug. 26, 1925.

MING TOY

*Particular description of goods.*—Princess and Costume Slips, Boudoir Caps.

*Claims use* since Aug. 10, 1925.

Ser. No. 219,427. (CLASS 39. CLOTHING.) THE WILLIAM HENGERER COMPANY, Buffalo, N. Y. Filed Aug. 27, 1925.

Prudence

*Particular description of goods.*—Hosiery.

*Claims use* since December, 1923.

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Ser. No. 219,428. (CLASS 39. CLOTHING.) THE WILLIAM HENGERER COMPANY, Buffalo, N. Y. Filed Aug. 27, 1925.

SEAL OF QUALITY Prudence

*Particular description of goods.*—Hosiery.

*Claims use* since December, 1923.

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Ser. No. 219,468. (CLASS 25. LOCKS AND SAFES.) THE AMERICAN ART WORKS, INCORPORATED, Coshocton, Ohio. Filed Aug. 28, 1925.

Thrift Cottage

*Particular description of goods.*—Portable Savings Banks.

*Claims use* since June 24, 1925.

Ser. No. 219,506. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE UNIVERSAL PRODUCTS CO. INC., Detroit, Mich. Filed Aug. 28, 1925.

No claim is made to the word "Detroit" or to the word "Universal" or to the representation of the goods.
*Particular description of goods.*—Universal Joints and Parts Thereof.
*Claims use* since about Aug. 12, 1925.

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Ser. No. 219,543. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MIWOGCO MINERAL WELL & SANITARIUM CO., Milan, Ind. Filed Aug. 29, 1925.

The words "Laxative Mineral Water" are disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Mineral Water.
*Claims use* since July 1, 1924.

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Ser. No. 219,544. (CLASS 38. PRINTS AND PUBLICATIONS.) MORNING TELEGRAPH COMPANY, New York, N. Y. Filed Aug. 29, 1925.

SHARPSHOOTER

*Particular description of goods.*—Nom de Plume for Particular Column of News in Newspaper.
*Claims use* since May 3, 1922.

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Ser. No. 219,546. (CLASS 38. PRINTS AND PUBLICATIONS.) MORNING TELEGRAPH COMPANY, New York, N. Y. Filed Aug. 29, 1925.

PEN DEXTER

*Particular description of goods.*—Nom de Plume for Particular Column of News in Newspaper.
*Claims use* since Dec. 31, 1924.

Ser. No. 219,548. (CLASS 38. PRINTS AND PUBLICATIONS.) MORNING TELEGRAPH COMPANY, New York, N. Y. Filed Aug. 29, 1925.

BEAU BROADWAY

*Particular description of goods.*—Nom de Plume for a Particular Column of News in Newspaper.
*Claims use* since Feb. 23, 1908.

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Ser. No. 219,560. (CLASS 39. CLOTHING.) LORETTA F. TIGHE, doing business as Youthfulform Brassiere Co., New York, N. Y. Filed Aug. 29, 1925.

Suèdene

*Particular description of goods.*—Brassières, Girdles, and Combination Brassières and Girdles Made of Satin.
*Claims use* since April, 1922.

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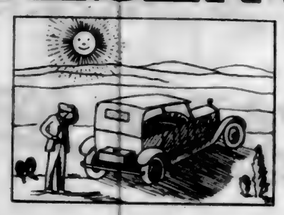
Ser. No. 219,647. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOHN H. SHERMAN, doing business as Sherman Manufacturing Company, Houston, Tex. Filed Sept. 1, 1925.

DESERT



*Particular description of goods.*—Tire Repair Kit.
*Claims use* since Apr. 1, 1923.

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Ser. No. 219,649. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) WHEELING STEEL CORPORATION, Wheeling, W. Va. Filed Sept. 1, 1925.

Applicant disclaims the words "Ohio," "Metal," "Copper," and "Steel" apart from the mark shown in the drawing.
*Particular description of goods.*—Steel Sheets and Plates.
*Claims use* since Apr. 1, 1925.



Ser. No. 219,650. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) WHEELING STEEL CORPORATION, Wheeling, W. Va. Filed Sept. 1, 1925.

Applicant disclaims the words "Portsmouth," "Iron," and "Copper" apart from the mark shown in the drawing.
*Particular description of goods.*—Iron Sheets and Plates.
*Claims use* since Apr. 1, 1925.

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Ser. No. 219,670. (CLASS 38. PRINTS AND PUBLICATIONS.) WALTER J. KENNEDY, doing business as W. J. Kennedy Publishing Co., New York, N. Y. Filed Sept. 2, 1925.

BROADCASTING

*Particular description of goods.*—Publications Issued from Time to Time.
*Claims use* since about Mar 1, 1922.

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Ser. No. 219,710. (CLASS 39. CLOTHING.) ARCH CARSON BOYD, New York, N. Y. Filed Sept. 3, 1925.

BUDDY JEANS

No claim is made to the word "Jeans" apart from the mark shown.
*Particular description of goods.*—Children's Play Suits in the Nature of Overalls.
*Claims use* since on or about Aug. 25, 1925.

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Ser. No. 219,712. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BOUQUET-BROWNSON CO., INC., St. Paul, Minn. Filed Sept. 3, 1925.

Bo-kay

*Particular description of goods.*—Polish for Furniture, Woodwork, Floors, Automobiles, and Pianos.
*Claims use* since Mar. 10, 1925.

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Ser. No. 219,858. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SULLIVAN COMPANY, Memphis, Tenn. Filed Sept. 4, 1925.

KONSEAL

*Particular description of goods.*—Compound for Use as a Cement-Paint Base.
*Claims use* since Apr. 1, 1924.

Ser. No. 219,861. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SULLIVAN COMPANY, Memphis, Tenn. Filed Sept. 4, 1925.

BUX-SKIN

*Particular description of goods.*—Composition for Preserving and Waterproofing Canvas and Cotton Duck Goods and Similar Fabrics.
*Claims use* since Apr. 1, 1924.

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Ser. No. 219,862. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SULLIVAN COMPANY, Memphis, Tenn. Filed Sept. 4, 1925.

KONTITE

*Particular description of goods.*—Compound for Use as a Cement-Paint Base.
*Claims use* since Apr. 1, 1924.

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Ser. No. 219,864. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THRALL & PILE, INC., New York, N. Y. Filed Sept. 4, 1925.

THESCO

*Particular description of goods.*—Nonalcoholic, Maltless Beverages and Extracts and Flavors for Making the Same.
*Claims use* since Jan. 1, 1910.

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Ser. No. 219,871. (CLASS 39. CLOTHING.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed Sept. 5, 1925.

LUCKY DAY

*Particular description of goods.*—Aprons.
*Claims use* since Aug. 19, 1925.

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Ser. No. 219,876. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VICTOR CHARLAND, Chippewa Falls, Wis. Filed Sept. 5, 1925.

VIC-CHAR

*Particular description of goods.*—Hair Tonic.
*Claims use* since July 1, 1925.

Ser. No. 219,899. (CLASS 39. CLOTHING.) MARTIN-PAGE CO., Middlesboro, Ky. Filed Sept. 5, 1925.

MARPAGE

*Particular description of goods.*—Garters and Overall Suspenders.
*Claims use* since November, 1924.

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Ser. No. 219,900. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MATH-OL INFLAMMACINE CO., INC., doing business as Oatex Laboratories, Rochester, N. Y. Filed Sept. 5, 1925.

"Oatex"

*Particular description of goods.*—Toilet Preparation—Namely, Face Cream.
*Claims use* since about July 1, 1923.

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Ser. No. 219,902. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MODEL MILL COMPANY, Johnson City, Tenn. Filed Sept. 5, 1925.

GOSSIP

*Particular description of goods.*—Plain Wheat Flour and Self-Rising Flour.
*Claims use* since about Sept. 3, 1925.

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Ser. No. 219,908. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERBERT CRAWFORD PITTMAN, Cotulla, Tex. Filed Sept. 5, 1925.

B.B. MEANS Betterbest

The term "Betterbest" does not form a part of the mark sought to be registered apart from the mark shown in the drawing.
*Particular description of goods.*—Fresh Vegetables—Namely, Green Onions and Green Onions for Planting Purposes.
*Claims use* since Sept. 25, 1924.

Ser. No. 219,929. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CARAMEL COMPANY, York, Pa. Filed Sept. 8, 1925.

PENN SQUARES

*Particular description of goods.*—Candy.
*Claims use* since January, 1922.

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Ser. No. 219,945. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CONDE NAST PUBLICATIONS, INC., New York, N. Y. Filed Sept. 8, 1925.

Vogue FASHION BI-MONTHLY

No claim is made to the word "Bi-Monthly" apart from the mark shown.
*Particular description of goods.*—Bimonthly Publication.
*Claims use* since August, 1925.

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Ser. No. 219,951. (CLASS 39. CLOTHING.) ECKERLING BROTHERS, Chicago, Ill. Filed Sept. 8, 1925.

AHEAD OF ALL COMPETITORS — HEAD-LINE — THE LINE THAT WINS

Applicant disclaims the use of all words appearing on the drawing except "Head-Line" apart from the mark shown.
*Particular description of goods.*—Overalls and Overall Jackets.
*Claims use* since Aug. 15, 1925.

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Ser. No. 219,957. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EMMET F. FRASER, Los Angeles, Calif. Filed Sept. 8, 1925.

LITTLE SLAMMER

*Particular description of goods.*—Golf Clubs.
*Claims use* since Mar. 20, 1925.



Ser. No. 219,978. (CLASS 39. CLOTHING.) WILLIAM F. MOORE, Glendale, Calif. Filed Sept. 8, 1925.

MOORECOMFY

*Particular description of goods.*—Girdles, Corset Garters, and Brassières for Women and Garters for Men and Women.
*Claims use* since Oct. 1, 1924.

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Ser. No. 219,993. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE SANDS MANUFACTURING COMPANY, Cleveland, Ohio. Filed Sept. 8, 1925.

testite

*Particular description of goods.*—Gas Heaters and Coils for Gas Water Heaters.
*Claims use* since on or about Aug. 15, 1925.

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Ser. No. 219,998. (CLASS 15. OILS AND GREASES.) H. K. STAHL COMPANY, St. Paul, Minn. Filed Sept. 8, 1925.

INDEPENDENT Powerflash GASOLINE

The words "Independent" and "Gasoline" are disclaimed apart from the mark shown in drawing.
*Particular description of goods.*—Petroleum Products—Namely, Gasoline, Kerosene, Fuel Oil, and Distillate.
*Claims use* since Feb. 3, 1925.

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Ser. No. 220,016. (CLASS 37. PAPER AND STATIONERY.) JACOB S. BERLINER, New York, N. Y. Filed Sept. 9, 1925.

KORNER-LOCK

*Particular description of goods.*—Merchandise Envelopes.
*Claims use* since Sept. 2, 1925.

Ser. No. 220,026. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ALEXANDER J. JENSEN, Los Angeles, Calif. Filed Sept. 9, 1925.

No claim is made to the word "Comedies" apart from the mark shown in the drawing.
*Particular description of goods.*—Moving Pictures.
*Claims use* since Aug. 27, 1925.

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Ser. No. 220,034. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS PHILIPPE, INC., New York, N. Y. Filed Sept. 9, 1925.

OLIVO

*Particular description of goods.*—Rouge, Vanishing Cream, Tissue Cream, Cleansing Cream, and Lemon Lotion.
*Claims use* since July, 1924.

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Ser. No. 220,062. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLAXTON CHEMICAL COMPANY, Pittsburgh, Pa. Filed Sept. 10, 1925.

FLE-GO

*Particular description of goods.*—Insecticides for Dogs and Cats.
*Claims use* since May 15, 1924.

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Ser. No. 220,065. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GREGORY FIODOROWSKY, Roxbury, Mass. Filed Sept. 10, 1925.

The portrait is that of applicant.
*Particular description of goods.*—Palliative for Intestinal Asthma, Indigestion, Pain and Cramps in the Stomach, and Other Internal (Gastrointestinal) Disorders.
*Claims use* since Sept. 5, 1925.

Ser. No. 220,088. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ROBERTS REMEDIES COMPANY, Frankfort, Ind. Filed Sept. 10, 1925.

No claim is made to the wording appearing on the drawing with the exception of the term "Eze-It" nor to the outline of the label apart from the mark shown.

*Particular description of goods.*—Pile Remedy in Liquid Form Put Up in a Bottle to be Used Externally or to be Injected Into the Rectum With a Syringe.

*Claims use* since Feb. 1, 1924.

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Ser. No. 220,098. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SEBASTIAN B. WAGNER, Mackay, Idaho. Filed Sept. 10, 1925.

LOST RIVER LOTION

The descriptive word "Lotion" is disclaimed apart from the mark shown.

*Particular description of goods.*—Face Lotion.

*Claims use* since on or about Dec. 2, 1924.

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Ser. No. 220,106. (CLASS 12. CONSTRUCTION MATERIALS.) THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed Sept. 11, 1925.

JUMBO

*Particular description of goods.*—Wall Board.

*Claims use* since Jan. 12, 1924.

Ser. No. 220,110. (CLASS 10. FERTILIZERS.) CENTERVILLE GYPSUM COMPANY, Centerville, Iowa. Filed Sept. 11, 1925.

GREEN SEAL
AGRICULTURAL GYPSUM

The exclusive use of the trade-mark right in the words "Agricultural Gypsum" appearing in the mark apart from the other features of the mark is disclaimed. The mark consists of the words "Green Seal Agricultural Gypsum."

*Particular description of goods.*—Agricultural Gypsum.

*Claims use* since Jan. 1, 1923.

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Ser. No. 220,116. (CLASS 39. CLOTHING.) M. FINKELSTEIN & SONS, New York, N. Y. Filed Sept. 11, 1925.

CHAPPIES

*Particular description of goods.*—Long Pants for Boys.

*Claims use* since about June 1, 1925.

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Ser. No. 220,168. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN SHEET AND TIN PLATE COMPANY, Pittsburgh, Pa. Filed Sept. 12, 1925.

*Particular description of goods.*—Galvanized-Steel Sheets.

*Claims use* since August, 1922.



Ser. No. 220,176. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BROMO-ASPIRIN CO., Wabash, Ind. Filed Sept. 12, 1925.

The name "Gries" is hereby disclaimed except in the use and manner appearing in the trade-mark. The word appearing in the circle is colored to indicate red.

*Particular description of goods.*—Preparation for Colds, Headaches, and Neuralgia.

*Claims use* since July 15, 1925.

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Ser. No. 220,195. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LARROWE MILLING COMPANY, Detroit, Mich. Filed Sept. 12, 1925.

Larro

The lining shown on the drawing is for shading purposes only.

*Particular description of goods.*—Poultry Feed.

*Claims use* since Aug. 27, 1925.

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Ser. No. 220,196. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LARROWE MILLING COMPANY, Detroit, Mich. Filed Sept. 12, 1925.

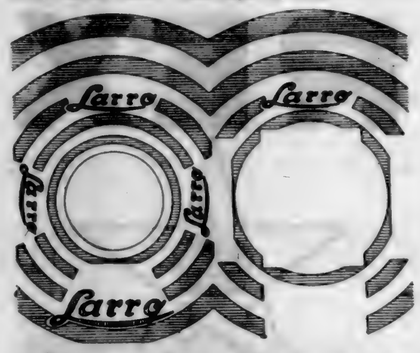
The lining shown on the drawing is for shading purposes only.

*Particular description of goods.*—Poultry Feed.

*Claims use* since Aug. 27, 1925.



Ser. No. 220,197. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LARROWE MILLING COMPANY, Detroit, Mich. Filed Sept. 12, 1925.




The lining shown on the drawing is for shading purposes only.

*Particular description of goods.*—Poultry Feed.

*Claims use* since Aug. 27, 1925.

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Ser. No. 220,214. (CLASS 39. CLOTHING.) FRED F. CADMUS, doing business as The Dallas Hat Manufacturing Company, Dallas, Tex. Filed Sept. 14, 1925.

The lining on the drawing is for the purpose of shading only.

*Particular description of goods.*—Women's and Children's Hats.

*Claims use* since Jan. 1, 1925.

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Ser. No. 220,220. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ELECTRO DENTAL MANUFACTURING CO., Philadelphia, Pa. Filed Sept. 14, 1925.

THE UNIT THAT GROWS

*Particular description of goods.*—Dental Equipment.

*Claims use* since August, 1920.

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Ser. No. 220,246. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed Sept. 14, 1925.

CELLUCOOL

*Particular description of goods.*—Cotton Goods, Silk Goods, and Linen Goods and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.

*Claims use* since July 7, 1925.

Ser. No. 220,249. (CLASS 5. ADHESIVES.) THE PATENT CEREALS COMPANY, Geneva, N. Y. Filed Sept. 14, 1925.

REX

L. P.

*Particular description of goods.*—Wall Size.
*Claims use* since Feb. 15, 1922.

Ser. No. 220,313. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARLOS C. MARROQUIN, San Antonio, Tex. Filed Sept. 16, 1925.

The signature and portrait appearing on the drawing is that of applicant. No claim is made to the word "Salve" apart from the mark shown on the drawing.
*Particular description of goods.*—Salve for Treating Corns, Bunions, Boils, and Ulcers, or Sores Caused by Poisonous Insects.
*Claims use* since May 1, 1925.

Ser. No. 220,322. (CLASS 39. CLOTHING.) REGUN MILLINERY COMPANY, INC., Baltimore, Md. Filed Sept. 16, 1925.

Com-fo

*Particular description of goods.*—Women's and Children's Hats.
*Claims use* since Aug. 4, 1925.

Ser. No. 220,328. (CLASS 39. CLOTHING.) REGUN MILLINERY COMPANY, INC., Baltimore, Md. Filed Sept. 16, 1925.

Sorority

*Particular description of goods.*—Women's and Children's Hats.
*Claims use* since Aug. 4, 1925.

Ser. No. 220,340. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOODELL HILL COMPANY, INC., New York, N. Y. Filed Sept. 17, 1925.

RAYON DE LUXE

The term "Rayon" as part of the mark is hereby disclaimed.
*Particular description of goods.*—Piece Goods Consisting of a Mixture of Cotton and Artificial Silk.
*Claims use* since Apr. 1, 1925.

Ser. No. 220,341. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER HABENSCHADEN, New York, N. Y. Filed Sept. 17, 1925.

MINCEOLA

*Particular description of goods.*—Food-Flavoring Extracts.
*Claims use* since on or about July 1, 1923.

Ser. No. 220,359. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) POND'S EXTRACT COMPANY, New York, N. Y. Filed Sept. 17, 1925.

*Particular description of goods.*—Shampoo.
*Claims use* since Aug. 27, 1925.



Ser. No. 220,360. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) POND'S EXTRACT COMPANY, New York, N. Y. Filed Sept. 17, 1925.

TEBA

*Particular description of goods.*—Shampoo.
*Claims use* since Aug. 27, 1925.

Ser. No. 220,373. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SUSQUEHANNA SILK MILLS, New York, N. Y. Filed Sept. 17, 1925.

La Zena

*Particular description of goods.*—Textile Fabrics—Namely, Silk Piece Goods and Silk and Cotton Piece Goods.
*Claims use* since Aug. 20, 1925.

Ser. No. 220,374. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SUSQUEHANNA SILK MILLS, New York, N. Y. Filed Sept. 17, 1925.

Odette

*Particular description of goods.*—Textile Fabrics—Namely Silk Piece Goods.
*Claims use* since Apr. 1, 1924.

Ser. No. 220,375. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SUSQUEHANNA SILK MILLS, New York, N. Y. Filed Sept. 17, 1925.

Nolano

*Particular description of goods.*—Textile Fabrics—Namely Silk Piece Goods.
*Claims use* since Apr. 8, 1924.

Ser. No. 220,386. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DEL MONTE PROPERTIES COMPANY, San Francisco, Calif. Filed Sept. 17, 1925.

FAN SHELL BEACH

*Particular description of goods.*—White Sand.
*Claims use* since 1911.

Ser. No. 220,389. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Sept. 18, 1925.

EVERYDAY ART

*Particular description of goods.*—Monthly Periodicals.
*Claims use* since December, 1922.

Ser. No. 220,450. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio. Filed Sept. 19, 1925.

*Particular description of goods.*—Wheat Flour.
*Claims use* since May 9, 1925.

Ser. No. 220,468. (CLASS 38. PRINTS AND PUBLICATIONS.) WHITMEL H. REED, Jr., New Orleans, La. Filed Sept. 19, 1925.

Service Station

Trade-mark "Service Station."
*Particular description of goods.*—Monthly Magazine.
*Claims use* since Feb. 1, 1923.

Ser. No. 220,529. (CLASS 38. PRINTS AND PUBLICATIONS.) ARTHUR R. HARDING, Columbus, Ohio. Filed Sept. 21, 1925.

FUR-FISH-GAME
Harding's Magazine

Trade-mark "Fur-Fish-Game Harding's Magazine."
*Particular description of goods.*—Monthly Magazine.
*Claims use* since July 25, 1925.

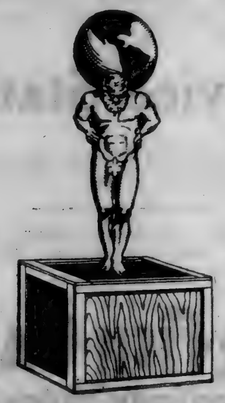
Ser. No. 220,531. (CLASS 39. CLOTHING.) HELM-HOLE SHOE MANUFACTURING COMPANY, Cudahy, Wis. Filed Sept. 21, 1925.

*Particular description of goods.*—Leather Boots and Shoes.
*Claims use* since Sept. 9, 1925.

Ser. No. 220,628. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SKOGLUND & OLSON MFG. CO., St. Paul, Minn. Filed Sept. 22, 1925.

*Particular description of goods.*—Combination Comb and Hairbrush Made As a Unit.
*Claims use* since June 1, 1925.

Ser. No. 220,634. (CLASS 2. RECEPTACLES.) ATLAS PLYWOOD CORPORATION, Boston, Mass. Filed Sept. 23, 1925.



No claim is made to the representation of a packing box apart from the mark shown in the drawing.
*Particular description of goods.*—Packing Cases, Shipping Cases, Shooks, Knockdown Boxes, Furniture Boxes, and Butter Tubs.
*Claims use* since Aug. 11, 1925.

Ser. No. 220,646. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DANDA HALPERN CO. INC., New York, N. Y. Filed Sept. 28, 1925.

*Particular description of goods.*—Linen Centerpieces, Linen Doilies, Scarfs for Use on Furniture, Linen Tablecloths, Linen Napkins, Linen Luncheon Sets, and Linen Buffet Sets.
*Claims use* since May 21, 1925.

Ser. No. 220,665. (CLASS 17. TOBACCO PRODUCTS.) LOUIS MORGENSTERN, doing business as The Luzon Cigar Co. Inc., Schenectady, N. Y. Filed Sept. 28, 1925.

The name and portrait is that of Chas. P. Steinmets, American-German electrical engineer and author (deceased 1923). No claim to "Charles P. Steinmets" or "Chas. P. Steinmetz" except in the association shown.
*Particular description of goods.*—Cigars and Cigarettes.
*Claims use* since July 1, 1924.

Ser. No. 220,675. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Sept. 23, 1925.

*Particular description of goods.*—Men's Dress, Negligee, and Work Shirts; Knitted and Textile Fabric Underwear; and Pyjamas.
*Claims use* since Sept. 3, 1925.

Ser. No. 220,732. (CLASS 12. CONSTRUCTION MATERIALS.) ANDREW MARZOLI, West Hoboken, N. J. Filed Sept. 24, 1925.

*Particular description of goods.*—Artificial Stone.
*Claims use* since June 1, 1924.



Ser. No. 220,735. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL BUTCHERS' AND PACKERS' SUPPLY ASSOCIATION, New York, N. Y. Filed Sept. 24, 1925.

*Particular description of goods.*—Printed Publication Issued Monthly.
*Claims use* since Aug. 1, 1925.

Ser. No. 220,740. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) JACOB RUPPERT, INC., New York, N. Y. Filed Sept. 24, 1925.

*Particular description of goods.*—Near Beer.
*Claims use* since Aug. 19, 1925.

Ser. No. 220,761. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE COLUMBIA RIBBON CO., Paterson, N. J. Filed Sept. 25, 1925.

*Particular description of goods.*—Hatbands.
*Claims use* since July 15, 1925.

Ser. No. 220,796. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE OWL SPECIALTY CO., Paterson, N. J. Filed Sept. 25, 1925.

The Greek words appearing on the drawing translated into English as "Leonidas, the Spartan."
*Particular description of goods.*—Hatbands.
*Claims use* since Jan. 15, 1923.

Ser. No. 220,813. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Sept. 25, 1925.

*Particular description of goods.*—Wheat Flour.
*Claims use* since Aug. 29, 1925.

Ser. No. 220,823. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925.

*Particular description of goods.*—Ammonia and Bluing.
*Claims use* since May 10, 1918.

Ser. No. 220,855. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KENTUCKY DISTILLERIES & WAREHOUSE CO., New York, N. Y. Filed Sept. 26, 1925. Under ten-year proviso.

KENTUCKY'S TRADE MARK MELLWOOD FIRE DOUBLED COPPER "WHISKY"

*Particular description of goods.*—Whisky.
*Claims use* since Dec. 1, 1868.

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Ser. No. 220,862. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PARK & POLLARD COMPANY, Boston, Mass. Filed Sept. 26, 1925.

LAY OR BUST

*Particular description of goods.*—Poultry Feed.
*Claims use* since July 1, 1909.

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Ser. No. 220,892. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FILM BOOKING OFFICES OF AMERICA, INC., New York, N. Y. Filed Sept. 28, 1925.

FBO

*Particular description of goods.*—Motion-Picture Films.
*Claims use* since Sept. 15, 1925.

Ser. No. 220,901. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KANSAS FLOUR MILLS COMPANY, Wichita, Kans. Filed Sept. 28, 1925.

THE SIGN OF HONEST MILLING

*Particular description of goods.*—Wheat Flour.
*Claims use* since Mar. 15, 1912.

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Ser. No. 220,923. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) NORMAN A. SHANE, Evansville, Ind. Filed Sept. 28, 1925.

*Particular description of goods.*—Horse-Collar Pads.
*Claims use* since May, 1925.

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Ser. No. 220,969. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE M. MULLIN, doing business as Mullin Laboratories, San Francisco, Calif. Filed Sept. 29, 1925.

KLAIRDERMA

*Particular description of goods.*—Liquid Massage Preparation.
*Claims use* since Mar. 5, 1921.



Ser. No. 220,978. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THEODORE SOUGLAS, New York, N. Y. Filed Sept. 29, 1925.

"OTHELLO"

*Particular description of goods.*—Olive Oil.
*Claims use* since Sept. 8, 1925.

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Ser. No. 220,980. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) O. TEMPLE, Dyersburg, Tenn. Filed Sept. 29, 1925.

TOOT

*Particular description of goods.*—Ointment for Use in the Treatment of Tender, Scalded, and Perspiring Feet; Inflammations, Fever Blisters, Chapped Hands, Tetter, Soreness of Gums, Piles, Skin Eruptions, Pyorrhea, and Enlarged Lips, and as a Face Massage.
*Claims use* since Sept. 1, 1924.

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Ser. No. 221,020. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ERNST MAHLER, Neenah, Wis. Filed Sept. 30, 1925.

BOOTRE

*Particular description of goods.*—Combination Shoe Horn and Shoe Form.
*Claims use* since May 1, 1925.

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Ser. No. 221,051. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GEORGE R. DELAMATER, Cleveland, Ohio. Filed Oct. 1, 1925.

DELATESTER

*Particular description of goods.*—Gravimetric Testing Apparatus and Parts Thereof.
*Claims use* since May, 1920.

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Ser. No. 221,081. (CLASS 39. CLOTHING.) VAN ZANDT'S INC., Troy, N. Y. Filed Oct. 1, 1925.

ZANTEX

*Particular description of goods.*—Collars.
*Claims use* since Sept. 12, 1925.

Ser. No. 221,082. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WINDSOR MANUFACTURING CO., Philadelphia, Pa. Filed Oct. 1, 1925.

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Mar. 23, 1925.

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Ser. No. 221,084. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT W. ALLEN, doing business as The Allol Medical Specialty Co., Chicago, Ill. Filed Oct. 2, 1925.

HAEMO-PORTEEN

*Particular description of goods.*—Preparation for the Treatment of Constipation and Hemorrhoids (Piles).
*Claims use* since Mar. 4, 1925.

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Ser. No. 221,091. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE V. V. CAMPBELL COMPANY, Oklahoma City, Okla. Filed Oct. 2, 1925.

CALUMET

*Particular description of goods.*—Flavoring Extracts for Foods.
*Claims use* since June 12, 1924.

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Ser. No. 221,093. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CLINICAL SUPPLIES, INCORPORATED, Pittsburgh, Pa. Filed Oct. 2, 1925.

FLUSHET

*Particular description of goods.*—Vaginal and Rectal Irrigating Apparatus.
*Claims use* since Sept. 19, 1925.

Ser. No. 221,122. (CLASS 39. CLOTHING.) LEVERE AND OPPENHEIMER INC., New York, N. Y. Filed Oct. 2, 1925.

Boxweave

*Particular description of goods.*—Dress, Negligee, and Work Shirts; Pyjamas, Nightshirts, Women's Sport Blouses, Boys' Shirts and Blouses.
*Claims use* since Aug. 1, 1923.

Ser. No. 221,125. (CLASS 39. CLOTHING.) EDWARD MACBEAN & COMPANY LIMITED, Glasgow, Scotland. Filed Oct. 2, 1925.

MAXHED

*Particular description of goods.*—Garments Made of Linen, Wool, Cotton, Artificial Silk, Oil Silk, and Other Waterproof Material—Namely, Coats, Jackets, Waistcoats, Trousers, Caps, and Hats for Men, Women, and Children.
*Claims use* since Jan. 18, 1909.

Ser. No. 221,147. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex. Filed Oct. 2, 1925.

LASCA

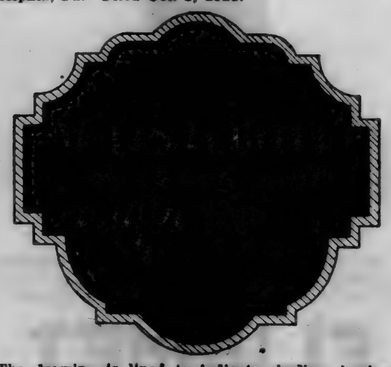
*Particular description of goods.*—Fresh Citrous Fruits—Namely, Grapefruit, Satsumas, Tangerines, Oranges, and Lemons.
*Claims use* since July 29, 1925.

Ser. No. 221,148. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex. Filed Oct. 2, 1925.

GOLIAD

*Particular description of goods.*—Fresh Citrous Fruit—Namely, Grapefruit, Satsumas, Tangerines, Oranges, and Lemons.
*Claims use* since July 29, 1925.

Ser. No. 221,156. (CLASS 12. CONSTRUCTION MATERIALS.) ARTISTI-KOTE COMPANY, Upper Darby, Philadelphia, Pa. Filed Oct. 3, 1925.



The drawing is lined to indicate shading, having no reference to color. No claim is made to the words "The Permanent and Distinctive Magnesite Stucco.
*Particular description of goods.*—Stucco.
*Claims use* since on or about May 1, 1925.

Ser. No. 221,160. (CLASS 39. CLOTHING.) BEAVER CLOAK & SUIT MANUFACTURING CO., Portland, Oreg. Filed Oct. 3, 1925.

DOWNSWOOL Beavercraft



*Particular description of goods.*—Misses' and Women's Cloaks, Suits, and Dresses.
*Claims use* since Aug. 15, 1925.

Ser. No. 221,198. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE OHIO CONFECTION CO., Cleveland, Ohio. Filed Oct. 3, 1925.

IZ WIZ

*Particular description of goods.*—Candy.
*Claims use* since December, 1924.

Ser. No. 221,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER W. SMITH, INC., Seattle, Wash. Oct. 3, 1925.

NORTH OF 53°

*Particular description of goods.*—Canned Salmon.
*Claims use* since Dec. 3, 1924.

Ser. No. 221,240. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONTINENTAL BAKING COMPANY, Wilmington, Del., and Norristown, Pa. Filed Oct. 5, 1925.

Continental

*Particular description of goods.*—Bread.
*Claims use* since on or about Sept. 29, 1925.

Ser. No. 221,255. (CLASS 39. CLOTHING.) HART, SCHAFFNER & MARX, Chicago, Ill. Filed Oct. 5, 1925.

Caber

*Particular description of goods.*—Men's Suits and Coats.
*Claims use* since Sept. 28, 1925.



Ser. No. 221,266. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAURY-COLE COMPANY, Memphis, Tenn. Filed Oct. 5, 1925.

MILLION SMILES

*Particular description of goods.*—Coffee.
*Claims use* since May, 1925.

Ser. No. 221,309. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 6, 1925.

Kashmirduna

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Sept. 1, 1925.

Ser. No. 221,311. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 6, 1925.

Kashironda

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Sept. 1, 1925.

Ser. No. 221,314. (CLASS 39. CLOTHING.) CHARLES GREENBERG, New York, N. Y. Filed Oct. 6, 1925.

MAXIVAL

Trade-mark consists of the word "Maxival."
*Particular description of goods.*—Men's Shirts and Boys' Blouses.
*Claims use* since September, 1923.

Ser. No. 221,329. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOUNT JOY CHOCOLATE & CONFECTIONERY CO., Mount Joy, Pa. Filed Oct. 6, 1925.

YOU SAID IT!

*Particular description of goods.*—Candy.
*Claims use* since Sept. 14, 1925.

Ser. No. 221,369. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KEMP-BOOTH COMPANY LIMITED, Seattle, Wash. Filed Oct. 7, 1925.

FOXHOUND

*Particular description of goods.*—Woolen Goods in the Piece.
*Claims use* since Sept. 24, 1925.

Ser. No. 221,382. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATHAN H. RICH & BRO., New York, N. Y. Filed Oct. 7, 1925.

DUETTE CREPE

Trade-mark consists of the words "Duette Crepe." No claim is made to the exclusive use of the word "Crepe" apart from the mark as shown in the drawing.
*Particular description of goods.*—Cotton Piece Goods, Silk Piece Goods, and Mixtures Thereof.
*Claims use* since July 2, 1925.

Ser. No. 221,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STARRY & WAY, Exeter, Calif. Filed Oct. 7, 1925.

GOLDEN TROUT

*Particular description of goods.*—Fresh Grapes.
*Claims use* since Aug. 1, 1925.

Ser. No. 221,413. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed Oct. 8, 1925.

GRANOTONE

*Particular description of goods.*—Piece Goods Made of Silk.
*Claims use* since Sept. 2, 1925.

Ser. No. 221,414. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed Oct. 8, 1925.

KUILTO

*Particular description of goods.*—Piece Goods Made of Silk.
*Claims use* since Sept. 2, 1925.

Ser. No. 221,421. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HEILIG BROTHERS COMPANY, INC., York, Pa. Filed Oct. 8, 1925.

YORKPAL

*Particular description of goods.*—Wire Screen Cloth.
*Claims use* since about November, 1924.

Ser. No. 221,425. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) McGOVERN & McGOVERN, Seattle, Wash. Filed Oct. 8, 1925.

SEA NORTH

*Particular description of goods.*—Canned Salmon.
*Claims use* since Sept. 1, 1925.

Ser. No. 221,493. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) MODERN MALT CO., Providence, R. I. Filed Oct. 9, 1925.

LETTY

*Particular description of goods.*—Malt Extracts.
*Claims use* since Sept. 1, 1924.

Ser. No. 221,506. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) HORACE T. POTTS & Co., Philadelphia, Pa. Filed Oct. 9, 1925.

WHIZ

*Particular description of goods.*—Tool Steel.
*Claims use* since about March, 1922.

Ser. No. 221,508. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) PROVIDENCE MALT CO., Providence, R. I. Filed Oct. 9, 1925.

*Particular description of goods.*—Malt Extracts.
*Claims use* since Sept. 1, 1924.

Ser. No. 221,510. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) PROVIDENCE MALT CO., Providence, R. I. Filed Oct. 9, 1925.

*Particular description of goods.*—Malt Extracts.
*Claims use* since Mar. 1, 1925.

Ser. No. 221,515. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & Co., New York, N. Y. Filed Oct. 9, 1925.

*Metalyne*

*Particular description of goods.*—Woolen Goods in the Piece and in Cut Lengths.
*Claims use* since Sept. 18, 1925.

Ser. No. 221,524. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WOLVERINE BRASS WORKS, Grand Rapids, Mich. Filed Oct. 9, 1925.

Dale

*Particular description of goods.*—Ball Cocks.
*Claims use* since Jan. 1, 1905.

Ser. No. 221,528. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARMAND COMPANY, Des Moines, Iowa. Filed Oct. 10, 1925.

LITTLE HAT BOX

Trade-mark consists of the words "Little Hat Box."
*Particular description of goods*—Face Powder.
*Claims use* since May, 1916.



Ser. No. 221,598. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE COMFORT POWDER CO., Boston, Mass. Filed Oct. 12, 1925. Under 10-year proviso.

Mrs. MASON'S
Old English

*Particular description of goods.*—Hair Tonic and Shampoo Preparations.
*Claims use* since about 1890.

Ser. No. 221,607. (CLASS 32. FURNITURE AND UPHOLSTERY.) GRAND RAPIDS SHOW CASE COMPANY, Grand Rapids, Mich. Filed Oct. 12, 1925.

"American Beauty"

*Particular description of goods.*—Show Cases.
*Claims use* since on or about Apr. 15, 1903.

Ser. No. 221,623. (CLASS 39. CLOTHING.) KISTLER LEATHER COMPANY, South Boston, Mass. Filed Oct. 12, 1925.

KL

*Particular description of goods.*—Leather Soles, Tap Soles, and Slip Soles.
*Claims use* since Apr. 25, 1913.

Ser. No. 221,648. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England. Filed Oct. 12, 1925.

K-MAS

*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since Aug. 29, 1925.

Ser. No. 221,666. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. MEYROSE, doing business as Portland Hair Co., Portland, Oreg. Filed Oct. 13, 1925.

POHACO

*Particular description of goods.*—Pharmaceutical Preparation Used as a Shampoo for the Hair.
*Claims use* since July 1, 1918.

Ser. No. 221,667. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MEYERHOFER & SCHARPF AKTIENGESELLSCHAFT, Zurich, Switzerland. Filed Oct. 13, 1925.

Kiflu

*Particular description of goods.*—Chemical Products for Industrial, Scientific, and Photographic Purposes.
*Claims use* since Mar. 26, 1925.

Ser. No. 221,689. (CLASS 39. CLOTHING.) D. ARMSTRONG & Co. INC., Rochester, N. Y. Filed Oct. 14, 1925.

*Particular description of goods.*—Women's Shoes of Leather and Fabric.
*Claims use* since Jan. 21, 1924.

Ser. No. 221,694. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) COLONIAL STEEL COMPANY, Pittsburgh, Pa. Filed Oct. 14, 1925.

The star shown in the drawing is red.
*Particular description of goods.*—Open-Hearth, Crucible, and Electric Steel Plates.
*Claims use* since about 1902.

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Ser. No. 221,697. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 14, 1925.

Glaceen

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Sept. 1, 1925.

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Ser. No. 221,742. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GILPIN, LANGDON & COMPANY, INCORPORATED, Baltimore, Md. Filed Oct. 15, 1925.

*Particular description of goods.*—Insect Powder and Liquid Insecticide.
*Claims use* since Jan. 2, 1925.

Ser. No. 221,746. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed Oct. 15, 1925.

Mon Souvenir

*Particular description of goods.*—Talcum, Tooth Paste, Face Powder, Bath Salts, Sachet, Tooth Powder, Almond Meal, Toilet Cerate, Headache Cologne, Smelling Salts, Vanishing Cream, Cold Cream, Perfumes, Lip Rouge, Bath Powder, Toilet Water, Skin and Tissue Cream.
*Claims use* since Sept. 28, 1925.

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Ser. No. 221,777. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE SAXON CHINA COMPANY, Sebring, Ohio. Filed Oct. 15, 1925.

MAYTIME
PATTERN
MADE EXPRESSLY FOR
SPEAR & CO.
PITTSBURGH & NEW YORK

No claim is made to the exclusive use of the words "Pattern Made Expressly for Spear & Co. Pittsburgh & New York."
*Particular description of goods.*—Plates, Cups, Platters, Bowls, and Other Tableware Pottery.
*Claims use* since Mar. 20, 1925.

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Ser. No. 221,787. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) L. & H. STERN, INC., Brooklyn, N. Y. Filed Oct. 15, 1925.

PARKLANE

*Particular description of goods.*—Smoking Pipes, Cigar Holders, and Cigarette Holders.
*Claims use* since about Jan. 1, 1924.

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Ser. No. 221,792. (CLASS 12. CONSTRUCTION MATERIALS.) THE WELLSTON IRON FURNACE COMPANY, Jackson, Ohio. Filed Oct. 15, 1925.

WIFCO

*Particular description of goods.*—Mortar.
*Claims use* since May 1, 1925.



Ser. No. 221,797. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN LEATHER FINISH CO., Boston, Mass. Filed Oct. 16, 1925.

BINDO

Trade-mark consists of the word "Bindo."
*Particular description of goods.*—Colorless Binding Agent for Use with Pigment Finishes in the Tanning and Finishing of Leather.
*Claims use* since June 14, 1923.

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Ser. No. 221,798. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN LEATHER FINISH CO., Boston, Mass. Filed Oct. 16, 1925.

ALFCO

Trade-mark consists of the word "Alfco".
*Particular description of goods.*—Pigment Finishes for Coloring and Finishing the Surface of Leather.
*Claims use* since June 6, 1923.

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Ser. No. 221,849. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FAIRMOUNT LABORATORIES, Hackensack, N. J. Filed Oct. 16, 1925.

SEILERINE

Trade-mark consists of the word "Seilerine."
*Particular description of goods.*—Alkaline and Antiseptic Mouth, Nose, and Throat Lotion.
*Claims use* since July, 1925.

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Ser. No. 221,850. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALTER WILLIAM PLOWMAN, London, England. Filed Oct. 16, 1925.

*Particular description of goods.*—Selective Colloidal Kaolin for Medicinal Purposes—Namely, Indigestion, Constipation, Piles, Colitis, Gastric and Duodenal Ulcer, Chronic Appendicitis, Pyorrhea, Rheumatism, Neuritis, Rheumatoid Arthritis, and All Forms of Intestinal Stasis, and Troubles and Ailments Caused by Auto-Intoxication; Also for External Use as Dusting Powders, Dry Dressing for Wounds, and Dentifrices.
*Claims use* since June 6, 1924.

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Ser. No. 221,860. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Oct. 16, 1925.

ROCKLATH

*Particular description of goods.*—Plaster Boards and Plaster Wall Boards.
*Claims use* since June 1, 1925.

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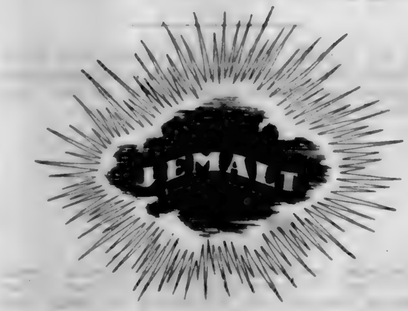
Ser. No. 221,862. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. A. WANDER S. A., Berne, Switzerland. Filed Oct. 16, 1925.




*Particular description of goods.*—Combination of Cod-Liver Oil and Malt Extract in Powder Form.
*Claims use* since Apr. 1, 1925.

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Ser. No. 221,866. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED B. ADAMS, New York, N. Y. Filed Oct. 17, 1925.

CODLIVEX

*Particular description of goods.*—Concentrated Extract from Cod and Other Animal Livers in Solid Form.
*Claims use* since December, 1924.

Ser. No. 221,869. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AURINE REMEDY CO., Chicago, Ill. Filed Oct. 17, 1925.

**AURINE**

*Particular description of goods.*—Ear Balsam.
*Claims use* since Feb. 15, 1903.

Ser. No. 221,872. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. P. BABCOCK COMPANY, New York, N. Y. Filed Oct. 17, 1925.

**CIGARETTE**

*Particular description of goods.*—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Talcum Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Sachets, and Incense.
*Claims use* since Oct. 5, 1925.

Ser. No. 221,877. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Oct. 17, 1925.

Souret

*Particular description of goods.*—Cleansing Cream, Face Cream, Vanishing Cream, Freckle Cream, Cream Used for Softening and Beautifying the Skin, Face Powder, Cream Used for Eliminating Body Odors, Rouge, Nail Paste, Cuticle Remover, Beauty Clay, Lip Stick, Peroxide Cream, Hand Lotion, Scalp Massage Salve, Nail Polish, Hair Tonic, and Shampoo.
*Claims use* since Feb. 1, 1923.

Ser. No. 221,882. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVIES, ROSE & CO., LTD., Boston, Mass. Filed Oct. 17, 1925.

**IPSATOL**

Trade-mark consists of the word "Ipsatol."
*Particular description of goods.*—Cough Medicine.
*Claims use* since October, 1923.

Ser. No. 221,958. (CLASS 43. THREAD AND YARN.) ELLIOTT, GREENE & CO. INC., New York, N. Y. Filed Oct. 19, 1925.

Marjorie

*Particular description of goods.*—Artificial-Silk Yarn, Pure-Silk Yarn, and Cotton Yarns and Tinsel Thread.
*Claims use* since May 1, 1925.

Ser. No. 221,967. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOLLANDER BROS. DRUG CO., Braddock, Pa. Filed Oct. 19, 1925.

Germoral

*Particular description of goods.*—Medicinal Preparations Used as a Mouth Wash and Gargle, Also for the Treatment of Pyorrhea.
*Claims use* since Dec. 2, 1924.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

## NOVEMBER 24, 1925.

206,006. LEAKPROOF LIQUID ROOF COATING. BRIGHT & COMPANY, Reading, Pa.
Filed May 29, 1925. Serial No. 215,046. PUBLISHED AUGUST 18, 1925.

206,007. TOBACCO EXTRACT USED FOR FLAVORING TOBACCO. G. BRUNING TOBACCO EXTRACT COMPANY, Lynchburg, Va.
Filed May 23, 1925. Serial No. 214,779. PUBLISHED SEPTEMBER 15, 1925.

206,008. CIDER VINEGAR, WHITE VINEGAR, PREPARED MUSTARD, AND COTTONSEED SALAD OIL. CRESCENT BOTTLING WORKS, Newark, N. J.
Filed May 19, 1925. Serial No. 214,532. PUBLISHED SEPTEMBER 8, 1925.

206,009. COLD-WATER PAINT. THE J. E. HARRIS COMPANY, Wooster, Ohio.
Filed May 18, 1925. Serial No. 214,479. PUBLISHED AUGUST 18, 1925.

206,010. AUTOMOBILE POLISH. HAROLD F. WILD, doing business as Varnish Life Company, Irvington, N. J.
Filed May 5, 1925. Serial No. 213,870. PUBLISHED AUGUST 18, 1925.

206,011. PAINTS, DRY, PASTE, SEMIPASTE, AND READY MIXED. DETROIT GRAPHITE COMPANY, Detroit, Mich.
Filed May 2, 1925. Serial No. 213,699. PUBLISHED AUGUST 18, 1925.

206,012. POLISH FOR AUTOMOBILE BODIES, FURNITURE, ENAMELED SURFACES, LINOLEUM, AND OILCLOTH. JOHN BELL, Bridgeport, Pa.
Filed April 30, 1925. Serial No. 213,546. PUBLISHED AUGUST 18, 1925.

206,013. PAINT ENAMELS, LACQUERS, AND VARNISHES. BAKELITE CORPORATION, New York, N. Y.
Filed April 25, 1925. Serial No. 213,275. PUBLISHED AUGUST 18, 1925.

206,014. AUTOMOBILE ENAMEL. LEO. D. WILSON, Charlotte, N. C.
Filed April 16, 1925. Serial No. 212,843. PUBLISHED AUGUST 18, 1925.

206,015. ALL KINDS OF HOSIERY AND GARMENTS MADE OF KNITTED GOODS—NAMELY, BATHING SUITS; UNDERWEAR FOR WOMEN, MISSES, AND CHILDREN; GLOVES, SWEATERS, AND SCARFS. SANGER BROS., Waco, Dallas, and Fort Worth, Tex., and New York, N. Y.
Filed March 14, 1925. Serial No. 211,055. PUBLISHED AUGUST 4, 1925.

206,016. DRY AND MIXED PAINTS, PAINT ENAMELS, STAINS, AND VARNISHES. MONROE, LEDERER & TAUSSIG, Philadelphia, Pa.
Filed February 21, 1925. Serial No. 210,004. PUBLISHED AUGUST 4, 1925.

206,017. DRY AND READY-MIXED PAINTS, PAINT ENAMELS, STAINS, AND VARNISHES. MONROE, LEDERER & TAUSSIG, Philadelphia, Pa.
Filed February 21, 1925. Serial No. 210,003. PUBLISHED AUGUST 4, 1925.

206,018. PATTERN PAPER FOR USE IN STONECUTTING. BARDER ADAMSON COMPANY, Boston, Mass.
Filed January 15, 1925. Serial No. 208,122. PUBLISHED SEPTEMBER 1, 1925.

206,019. WHITE AND COLORED SULPHITE PAPERS TO BE USED FOR WRAPPING, WAX, CRÊPE, BAG, DOCUMENT, ENVELOPE, TAG, COATING, AND PRINTING PAPER; PAPER FOR DRINKING CUPS, FRUIT WRAPS, TWISTING PAPER USED IN THE MANUFACTURE OF PAPER TWINES, IMITATION-REED FURNITURE, RUGS AND CARPETS, AND CONVERTING PAPER TO BE USED IN THE MANUFACTURE OF WAX WRAPPERS. PORT HURON SULPHITE & PAPER CO., Port Huron, Mich.
Filed January 6, 1925. Serial No. 207,759. PUBLISHED SEPTEMBER 15, 1925.

206,020. CHEESE. TRIANGLE CHEESE COMPANY, Monroe, Wis.
Filed November 6, 1924. Serial No. 204,941. PUBLISHED MAY 19, 1925.

206,021. SHAVING AND TOILET SOAPS. "LA ROSARIO" (S. A.), Santander, Spain.
Filed September 9, 1924. Serial No. 202,398. PUBLISHED SEPTEMBER 8, 1925.

206,022. VARNISHES, LACQUERS, WOOD FILLERS, CELLULOID, ENAMELS, PREPARED PASTE AND READY-MIXED PAINTS, PAINT ENAMELS, WOOD STAINS, JAPANS, OILS USED WITH AND IN THE MANUFACTURE OF PAINTS AND SIMILAR PRODUCTS; COLORS IN LIQUID, PASTE, OR DRY FORM; LACQUER FINISHING AND RUBBING COMPOUND FOR RESURFACING LACQUERED, ENAMELED, AND PAINTED SURFACES. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed August 2, 1924. Serial No. 200,881. PUBLISHED AUGUST 18, 1925.

206,023. HAM, BACON, LARD, AND LARD SUBSTITUTE COMPOSED OF VEGETABLE OIL, OLEOSTEARIN, AND PURE LARD, SAUSAGE. BOYD PACKING COMPANY, Richmond, Va.
Filed July 26, 1924. Serial No. 200,540. PUBLISHED MAY 5, 1925.

206,024. GAME PLAYED WITH PIECES SOMEWHAT SIMILAR TO DOMINOES. THE MAH-JONGG SALES COMPANY OF AMERICA, San Francisco, Calif., assignor to Parker Brothers, Inc., Salem, Mass., a Corporation of Maine.
Filed February 23, 1923. Serial No. 176,488. PUBLISHED JULY 22, 1924.

206,025. BOTTLED AND BULK VINEGAR, MUSTARD, TOMATO CATCHUP. UNITY FOOD PACKERS, INC., Webster, N. Y.
Filed April 11, 1925. Serial No. 212,582. PUBLISHED SEPTEMBER 8, 1925.

206,026. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,354. PUBLISHED AUGUST 25, 1925.

206,027. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. PHILLIPS BROTHERS, Baltimore, Md.
Filed April 30, 1925. Serial No. 213,594. PUBLISHED SEPTEMBER 8, 1925.

206,028. A PREPARATION MADE FROM CHOCOLATE COCOA, MILK SOLIDS, COCOA BUTTER, SUGAR, AND MALT. EDWARD W. BROWN CO., San Francisco, Calif.
Filed May 6, 1925. Serial No. 213,889. PUBLISHED SEPTEMBER 8, 1925.

206,029. CIGARS, CIGARETTES, SMOKING AND CHEWING TOBACCO. LIFE SAVERS, INC., Port Chester, N. Y.
Filed May 6, 1925. Serial No. 213,904. PUBLISHED SEPTEMBER 15, 1925.

206,030. FURNITURE POLISH. THE AMERICAN PRODUCTS COMPANY, Cincinnati, Ohio.
Filed May 7, 1925. Serial No. 213,948. PUBLISHED AUGUST 25, 1925.

206,031. ASSORTED CANDIES, COMFITS, AND PRESERVES. ANDERSON & PATTERSON, Worcester, Mass.
Filed May 11, 1925. Serial No. 214,114. PUBLISHED SEPTEMBER 8, 1925.

206,032. WASHING POWDER. THE KEENE WASHING PRODUCTS CO., Keene, N. H.
Filed May 13, 1925. Serial No. 214,256. PUBLISHED AUGUST 25, 1925.

206,033. CIGARS. WILLIAM BOUCHER & SONS, Baltimore, Md.
Filed May 21, 1925. Serial No. 214,641. PUBLISHED SEPTEMBER 8, 1925.

206,034. CEREAL BREAKFAST FOOD. GEORGE A. STUART, Spokane, Wash.
Filed May 13, 1925. Serial No. 214,289. PUBLISHED SEPTEMBER 8, 1925.

206,035. CIGARS. WILLIAM BOUCHER & SONS, Baltimore, Md.
Filed May 21, 1925. Serial No. 214,642. PUBLISHED SEPTEMBER 8, 1925.

206,036. READY-MIXED PAINTS. NORWICH PAINT COMPANY, Norwich, N. Y.
Filed June 2, 1925. Serial No. 215,217. PUBLISHED AUGUST 25, 1925.

206,037. SOAP. JOHN D. ROBNETT & SONS, Chicago, Ill.
Filed June 3, 1925. Serial No. 215,269. PUBLISHED AUGUST 25, 1925.

206,038. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,346. PUBLISHED AUGUST 25, 1925.

206,039. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,347. PUBLISHED AUGUST 25, 1925.

206,040. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,348. PUBLISHED AUGUST 25, 1925.

206,041. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,349. PUBLISHED AUGUST 25, 1925.

206,042. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,350. PUBLISHED AUGUST 25, 1925.

206,043. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,352. PUBLISHED AUGUST 25, 1925.

206,044. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,353. PUBLISHED AUGUST 25, 1925.

206,045. BAKERY PRODUCTS—NAMELY, BISCUITS. INDEPENDENT BAKING CO., Davenport, Iowa.
Filed July 9, 1925. Serial No. 217,098. PUBLISHED SEPTEMBER 8, 1925.

206,046. FISHING LINES. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass.
Filed July 9, 1925. Serial No. 217,119. PUBLISHED SEPTEMBER 8, 1925.

206,047. FOLDING PAPER BOXES, CARTONS, CASES, AND CONTAINERS. BROWN & BAILEY COMPANY, Philadelphia, Pa.
Filed July 8, 1925. Serial No. 216,822. PUBLISHED SEPTEMBER 15, 1925.

206,048. TEA AND COFFEE. THE WILLIAM BOARDMAN & SONS CO., Hartford, Conn.
Filed June 27, 1925. Serial No. 216,498. PUBLISHED SEPTEMBER 8, 1925.

206,049. SOAPS—NAMELY, SHAMPOO SOAPS, SHAVING SOAP, AND TOILET SOAP. HESSIG-ELLIS DRUG COMPANY, Memphis, Tenn.
Filed June 27, 1925. Serial No. 216,535. PUBLISHED AUGUST 25, 1925.

206,050. BOOKLETS ISSUED MONTHLY. NATIONAL GUM & MICA COMPANY, New York, N. Y.
Filed June 27, 1925. Serial No. 216,557. PUBLISHED SEPTEMBER 1, 1925.

206,051. HATBOXES AND SUITCASES. J. V. METERING TRUNK COMPANY, Chicago, Ill.
Filed June 29, 1925. Serial No. 216,623. PUBLISHED SEPTEMBER 1, 1925.

206,052. NONALCOHOLIC, MALTLESS BEVERAGES COMPOSED OF SIRUP AND FLAVORING. THE O-MINT-O CO., Davenport, Iowa.
Filed June 29, 1925. Serial No. 216,632. PUBLISHED SEPTEMBER 15, 1925.

206,053. ABRASIVE STONES AND POLISHING STONES. FRANZISKA BAYER SWATY, doing business as Franz Swaty, Maribor, Yugoslavia.
Filed June 29, 1925. Serial No. 216,647. PUBLISHED AUGUST 25, 1925.

206,054. SOAP. RICHARD HUDNUT, New York, N. Y.
Filed June 30, 1925. Serial No. 216,679. PUBLISHED AUGUST 25, 1925.

206,055. TOILET SOAPS AND ANTISEPTIC SOAPS. JOSEPH PERSONENI, INC., New York, N. Y.
Filed June 30, 1925. Serial No. 216,693. PUBLISHED AUGUST 25, 1925.

206,056. CANNED VEGETABLES—NAMELY, LIMA BEANS, AND CANNED FISH—NAMELY, CANNED SALMON. ADOLPH GOLDMARK & SONS, CORP., New York, N. Y.
Filed July 1, 1925. Serial No. 216,717. PUBLISHED SEPTEMBER 8, 1925.

206,057. MONTHLY MAGAZINE. FREEMAN-SMART COMPANY, Chicago, Ill.
Filed June 27, 1925. Serial No. 216,862. PUBLISHED SEPTEMBER 1, 1925.

206,058. OYSTER CRACKERS. INDEPENDENT BAKING COMPANY, Davenport, Iowa.
Filed July 6, 1925. Serial No. 216,911. PUBLISHED SEPTEMBER 8, 1925.

206,059. COMIC STRIP. NEA SERVICE INC., Cleveland, Ohio.
Filed July 6, 1925. Serial No. 216,924. PUBLISHED SEPTEMBER 8, 1925.

206,060. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed July 8, 1925. Serial No. 217,003. PUBLISHED SEPTEMBER 8, 1925.

206,061. NOVELTY TOYS — NAMELY, MINIATURE TOILET SETS, INCLUDING TOILET BOWLS, SEATS, AND COVERS. H. FISHELOV, doing business as H. Fishelov & Co., Chicago, Ill.
Filed July 9, 1925. Serial No. 217,078. PUBLISHED SEPTEMBER 15, 1925.

206,062. NOVELTY TOYS — NAMELY, MINIATURE TOILET SETS, INCLUDING TOILET BOWLS, SEATS, AND COVERS. H. FISHELOV, doing business as H. Fishelov & Co., Chicago, Ill.
Filed July 9, 1925. Serial No. 217,079. PUBLISHED SEPTEMBER 15, 1925.



206,063. A WEEKLY NEWSPAPER. HOME TALK PUBLISHING CO., Brooklyn, N. Y.
Filed July 10, 1925. Serial No. 217,153. PUBLISHED SEPTEMBER 8, 1925.

206,064. A WEEKLY NEWSPAPER. THE ITEM PUBLISHING COMPANY, Brooklyn, N. Y.
Filed July 10, 1925. Serial No. 217,156. PUBLISHED SEPTEMBER 8, 1925.

206,065. BUTTER. ADOLPH WACHS, Philadelphia, Pa.
Filed April 6, 1925. Serial No. 212,209. PUBLISHED SEPTEMBER 8, 1925.

206,066. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed April 6, 1925. Serial No. 212,282. PUBLISHED SEPTEMBER 1, 1925.

206,067. MEN'S AND YOUNG MEN'S SUITS, TROUSERS, AND OVERCOATS. THE JOSEPH & FEISS CO., Cleveland, Ohio.
Filed April 2, 1925. Serial No. 212,086. PUBLISHED SEPTEMBER 8, 1925.

206,068. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed March 30, 1925. Serial No. 211,858. PUBLISHED SEPTEMBER 1, 1925.

206,069. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed March 30, 1925. Serial No. 211,861. PUBLISHED SEPTEMBER 1, 1925.

206,070. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed March 30, 1925. Serial No. 211,860. PUBLISHED SEPTEMBER 1, 1925.

206,071. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed March 26, 1925. Serial No. 211,694. PUBLISHED SEPTEMBER 8, 1925.

206,072. SELF-RISING FLOUR. BOONVILLE MILLS COMPANY, Boonville, Mo.
Filed March 16, 1925. Serial No. 211,074. PUBLISHED SEPTEMBER 8, 1925.

206,073. CHOCOLATE-COATED NUTS AND FRUITS. WILLIAM G. WILLIAMS, doing business as Williams Chocolate Company, Denver, Colo.
Filed March 7, 1925. Serial No. 210,696. PUBLISHED AUGUST 25, 1925.

206,074. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. PERK-O-LATOR COFFEE POTS, INC., New York, N. Y.
Filed February 16, 1925. Serial No. 209,690. PUBLISHED SEPTEMBER 8, 1925.

206,075. MONTHLY CLASS PAPER. J. & S. LASKY, Newark, N. J.
Filed February 3, 1925. Serial No. 209,042. PUBLISHED SEPTEMBER 1, 1925.

206,076. WASHING POWDER FOR LAUNDRY USE. MILLER W. RICE, doing business as Muco-Solvent Mfg. Co., Kansas City, Mo.
Filed January 15, 1925. Serial No. 208,161. PUBLISHED SEPTEMBER 8, 1925.

206,077. SOAP PASTES. HARRY W. OSGOOD, Athol, Mo.
Filed January 5, 1925. Serial No. 207,671. PUBLISHED AUGUST 25, 1925.

206,078. BLACK METALLIC PAINT. SAMUEL DUNCAN HARDING, Trinidad, British West Indies.
Filed November 10, 1924. Serial No. 205,061. PUBLISHED AUGUST 18, 1925.

206,079. MEDICINE FOR WOMB DISORDERS AND SEXUAL DEBILITY. JOSEPH SOKOKOWSKI, Oak Park, Ill.
Filed October 15, 1924. Serial No. 203,909. PUBLISHED JULY 28, 1925.

206,080. TOY BALLOONS. DRUBENER'S SHOPPING BAG, St. Paul, Minn.
Filed August 11, 1924. Serial No. 201,228. PUBLISHED SEPTEMBER 8, 1925.



206,081. SOAPS—NAMELY, SOAPS IN CAKE FORM, SOAP PASTES, AND SOAP POWDERS. PARFUMERIE ROGER & GALLET, Paris, France.
Filed June 24, 1924. Serial No. 199,083. PUBLISHED AUGUST 25, 1925.

206,082. SOAPS IN CAKE FORM, SOAP PASTES, AND SOAP POWDERS. PARFUMERIE ROGER & GALLET, Paris, France.
Filed June 24, 1924. Serial No. 199,081. PUBLISHED SEPTEMBER 1, 1925.

206,083. BOOKLETS PUBLISHED FROM TIME TO TIME. FIRST NATIONAL BANK IN DETROIT, Detroit, Mich.
Filed April 26, 1924. Serial No. 196,162. PUBLISHED SEPTEMBER 1, 1925.

206,084. GLUE. DANIEL H. DONEGAN, doing business as American Printers' Roller Company, Chicago, Ill.
Filed February 7, 1924. Serial No. 191,941. PUBLISHED SEPTEMBER 1, 1925.

206,085. CLEANSING PREPARATION DESIGNED FOR USE BY AUTOMOBILISTS, FOR USE IN GARAGES, AND FOR USE BY THE HOUSEWIFE FOR REMOVING GREASE AND GRIME FROM THE PERSON, FOR POLISHING TARNISHED NICKEL AND SILVERWARE, AND GENERALLY FOR ALL CLEANSING PURPOSES, AND THE PARTICULAR FEATURE OF SAID GOODS IS THE FACT THAT IT MAY BE USED WITHOUT WATER. EDWARD J. MERRIAM, doing business as The Mersol Co., Cranford, N. J.
Filed June 25, 1925. Serial No. 216,420. PUBLISHED AUGUST 25, 1925.

206,086. PAPER BAGS. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif.
Filed June 23, 1925. Serial No. 216,260. PUBLISHED SEPTEMBER 15, 1925.

206,087. HAIRBRUSHES, CLOTH BRUSHES; NAIL, PAINT, SCRUB, AND WHITEWASH BRUSHES; SWEEPING, STOVE, AND SHOE-POLISH BRUSHES, DUST BRUSHES, TOOTHBRUSHES. W. A. COLESCOTT & CO., INC., Philadelphia, Pa.
Filed June 20, 1925. Serial No. 216,088. PUBLISHED SEPTEMBER 8, 1925.

206,088. BREAD. JAMES COSIAN, doing business as Cosy Bread Company, Denver, Colo.
Filed June 19, 1925. Serial No. 216,022. PUBLISHED SEPTEMBER 8, 1925.

206,089. CREAM MEAL. MOUNTAIN CITY MILL CO., INC., Chattanooga, Tenn.
Filed June 18, 1925. Serial No. 215,991. PUBLISHED SEPTEMBER 8, 1925.

206,090. MALT AND HOP SIRUP. THE MALTOSE LABORATORIES, INC., New Orleans, La.
Filed June 17, 1925. Serial No. 215,936. PUBLISHED SEPTEMBER 8, 1925.

206,091. TOOTHBRUSHES. SAMUEL LEVIN, doing business as Levin Brush Co., Newark, N. J.
Filed June 17, 1925. Serial No. 215,935. PUBLISHED SEPTEMBER 15, 1925.

206,092. BOOKS AND SERIES OF BOOKS. WALTER J. BLACK, doing business as Walter J. Black Company, New York, N. Y.
Filed June 16, 1925. Serial No. 215,845. PUBLISHED AUGUST 25, 1925.

206,093. WHEAT FLOUR. THE CONSOLIDATED FLOUR MILLS COMPANY, Hutchinson, Kans.
Filed June 15, 1925. Serial No. 215,772. PUBLISHED SEPTEMBER 8, 1925.

206,094. CANNED FRUITS—NAMELY, APRICOTS, CHERRIES, APPLES, PEACHES, AND BLACKBERRIES; CANNED VEGETABLES—NAMELY, TOMATOES AND GREEN BEANS. SMITH-JACKSON CO., New Castle, Ind.
Filed June 8, 1925. Serial No. 215,481. PUBLISHED SEPTEMBER 15, 1925.

206,095. PASTE AND READY-MIXED PAINTS. SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind.
Filed June 8, 1925. Serial No. 215,480. PUBLISHED AUGUST 18, 1925.

206,096. LIQUID POLISHING COMPOSITION FOR FURNITURE, AUTOMOBILES, WOODWORK, AND ALL PAINTED, ENAMELED, AND VARNISHED SURFACES. ROY P. VENESS, Webster Groves, Mo.
Filed June 6, 1925. Serial No. 215,427. PUBLISHED AUGUST 18, 1925.

206,097. POULTRY FOOD. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y.
Filed June 6, 1925. Serial No. 215,395. PUBLISHED SEPTEMBER 8, 1925.

206,098. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,365. PUBLISHED AUGUST 25, 1925.

206,099. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,364. PUBLISHED AUGUST 25, 1925.

206,100. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,363. PUBLISHED AUGUST 25, 1925.

206,101. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,358. PUBLISHED AUGUST 25, 1925.

206,102. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,357. PUBLISHED AUGUST 25, 1925.

206,103. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,356. PUBLISHED AUGUST 25, 1925.

206,104. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,355. PUBLISHED AUGUST 25, 1925.

206,105. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. SIMONDS ORANGE CO., Redlands, Calif.
Filed July 27, 1925. Serial No. 217,966. PUBLISHED SEPTEMBER 8, 1925.

206,106. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. REDLANDS SELECT GROVES, INC., Redlands, Calif.
Filed July 27, 1925. Serial No. 217,957. PUBLISHED SEPTEMBER 8, 1925.

206,107. CANNED FISH, PARTICULARLY CANNED SALMON. STROMBERG & ARPS COMPANY, New York, N. Y.
Filed July 25, 1925. Serial No. 217,904. PUBLISHED SEPTEMBER 8, 1925.

206,108. COMIC STRIPS. WILLIAM M. CONSELMAN, Los Angeles, Calif.
Filed July 25, 1925. Serial No. 217,861. PUBLISHED SEPTEMBER 8, 1925.

206,109. BILLIARD AND POOL BALLS. H. EHRLICH & SONS MANUFACTURING CO., St. Joseph, Mo.
Filed July 24, 1925. Serial No. 217,824. PUBLISHED SEPTEMBER 15, 1925.

206,110. MONTHLY MAGAZINE. HARRISON W. GARLAND, Bay City, Mich.
Filed July 27, 1925. Serial No. 217,929. PUBLISHED SEPTEMBER 8, 1925.

206,111. BASEBALLS. THE BON-TOBER SPORTING GOODS COMPANY, Hartford, Conn.
Filed July 24, 1925. Serial No. 217,812. PUBLISHED SEPTEMBER 15, 1925.

206,112. HANDLES FOR LATHER BRUSHES. THE HARDRIGHT COMPANY, Belleville, N. J.
Filed July 23, 1925. Serial No. 217,772. PUBLISHED SEPTEMBER 15, 1925.

206,113. A MONTHLY TRADE PERIODICAL. MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y.
Filed July 22, 1925. Serial No. 217,719. PUBLISHED SEPTEMBER 8, 1925.

206,114. A PAPER ISSUED DAILY. ALBERT G. WHEELER, New York, N. Y.
Filed July 21, 1925. Serial No. 217,690. PUBLISHED SEPTEMBER 8, 1925.

206,115. LAUNDRY BAGS. DAVID J. KELMAN, doing business as Enduro Fabric & Bag Company, New York, N. Y.
Filed July 21, 1925. Serial No. 217,677. PUBLISHED SEPTEMBER 8, 1925.

206,116. BROOMS. SAFEWAY STORES, INCORPORATED, Los Angeles, Calif.
Filed July 18, 1925. Serial No. 217,583. PUBLISHED SEPTEMBER 15, 1925.

206,117. TOILET SOAP. B. ALTMAN & CO., New York, N. Y.
Filed July 17, 1925. Serial No. 217,491. PUBLISHED SEPTEMBER 8, 1925.

206,118. CRACKERS. CHRISTOPHER CARTLIDGE, doing business as Original Trenton Cracker Co., Trenton, N. J.
Filed July 14, 1925. Serial No. 217,330. PUBLISHED SEPTEMBER 8, 1925.

206,119. SHOE BRUSHES, DAUBERS, AND POLISHERS. PEDOX PRODUX, INC., New York, N. Y.
Filed July 13, 1925. Serial No. 217,294. PUBLISHED SEPTEMBER 15, 1925.

206,120. A PARLOR BOARD GAME PLAYED WITH PIECES. ARTHUR E. BERNWALL, doing business as Scientific Appliance Co., Janesville, Wis.
Filed July 13, 1925. Serial No. 217,245. PUBLISHED SEPTEMBER 8, 1925.

206,121. PERIODICAL PARTICULARLY ADAPTED TO FLORISTS AND FLORAL INTERESTS, PUBLISHED FROM TIME TO TIME. BROWN & BIGELOW, St. Paul, Minn.
Filed July 13, 1925. Serial No. 217,252. PUBLISHED SEPTEMBER 8, 1925.

206,122. SWEEPING COMPOUND. WEST DISINFECTING COMPANY, New York, N. Y.
Filed July 11, 1925. Serial No. 217,237. PUBLISHED AUGUST 25, 1925.

206,123. NEWSPAPERS. GERMAN HERALD PUBLISHING CO. OF NEW YORK CITY, INC., New York, N. Y.
Filed July 11, 1925. Serial No. 217,220. PUBLISHED SEPTEMBER 8, 1925.

206,124. CLOTH, MILITARY, AND HAIR BRUSHES. THE FIBROID CORPORATION, Indian Orchard, Springfield, Mass.
Filed July 11, 1925. Serial No. 217,215. PUBLISHED SEPTEMBER 15, 1925.

206,125. VALVES—NAMELY, VALVES FOR ENGINES, AND PARTICULARLY THOSE OF THE INTERNAL-COMBUSTION TYPE. BOYLE VALVE COMPANY, Chicago, Ill.
Filed July 16, 1925. Serial No. 217,447. PUBLISHED SEPTEMBER 15, 1925.

206,126. MEN'S FULL-DRESS AND TUXEDO SUITS. ROTHSCHILD & SONS, INC., Kansas City, Mo.
Filed July 11, 1925. Serial No. 217,231. PUBLISHED SEPTEMBER 15, 1925.

206,127. HOSIERY. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed July 6, 1925. Serial No. 216,963. PUBLISHED SEPTEMBER 15, 1925.



206,128. HOSIERY. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed July 6, 1925. Serial No. 216,952. PUBLISHED SEPTEMBER 15, 1925.

206,129. NEAR BEER. JACOB RUPPERT, INC., New York, N. Y.
Filed July 6, 1925. Serial No. 216,940. PUBLISHED SEPTEMBER 15, 1925.

206,130. YOUNG MEN'S AND MEN'S SUITS AND OVERCOATS. ALBERT HOFFELD, Chicago, Ill.
Filed July 2, 1925. Serial No. 216,782. PUBLISHED SEPTEMBER 15, 1925.

206,131. WIRE-STAPLE-FASTENING MACHINE OF THE MAGAZINE TYPE, PRINCIPALLY FOR FASTENING DRAWING PAPER OR OTHER DRAWING SURFACES TO THE DRAWING BOARD. KRUPPEL & ESSER COMPANY, Hoboken, N. J.
Filed July 1, 1925. Serial No. 216,735. PUBLISHED SEPTEMBER 1, 1925.

206,132. ABRASIVE STONES AND POLISHING STONES. FRANZISKA BAYER SWATY, doing business as Franz Swaty, Maribor, Yugoslavia.
Filed June 29, 1925. Serial No. 216,646. PUBLISHED SEPTEMBER 8, 1925.

206,133. CANDY. LOFT INCORPORATED, New York, N. Y.
Filed June 27, 1925. Serial No. 216,552. PUBLISHED SEPTEMBER 15, 1925.

206,134. LEAFLETS, BOOKLETS, BROADSIDES, PRINTED AND LITHOGRAPHED MATERIAL FOR WINDOW AND STORE DISPLAY PURPOSES, POSTERS, ADVERTISING ILLUSTRATIONS, AND PRINTED AND LITHOGRAPHED LABELS. H. H. GUGLER, Chicago, Ill.
Filed June 19, 1925. Serial No. 216,041. PUBLISHED SEPTEMBER 8, 1925.

206,135. POWER-DRIVEN SHEARS FOR CUTTING METAL, LEATHER, CELLULOID, CARDBOARD, AND THE LIKE. THE UNISHEAR COMPANY, New York, N. Y., assignor to Unishear Co., Inc., New York, N. Y., a Corporation of New York.
Filed June 11, 1925. Serial No. 215,665. PUBLISHED SEPTEMBER 15, 1925.

206,136. MEN'S AND CHILDREN'S OVERCOATS. COHEN, GOLDMAN & CO. INC., New York, N. Y.
Filed June 1, 1925. Serial No. 215,135. PUBLISHED SEPTEMBER 1, 1925.

206,137. FRESH CITROUS FRUITS—NAMELY, ORANGES AND LEMONS. ANAHEIM ORANGE & LEMON ASSOCIATION, Anaheim, Calif.
Filed May 29, 1925. Serial No. 215,039. PUBLISHED SEPTEMBER 15, 1925.

206,138. IMPORTED FRENCH CASTILE SOAP. JAMES P. SMITH & COMPANY, New York, N. Y.
Filed May 26, 1925. Serial No. 214,932. PUBLISHED SEPTEMBER 8, 1925.

206,139. WOOD SCREWS, WASHER-HEAD SCREWS, MACHINE SCREWS, HEADLESS SCREWS, SPECIAL SCREWS, ROLLED THREAD PARTS, RIVETS, UPSET SHOULDERED PARTS, WIRE PINS, COLD-HEADED PARTS, AND THREADED WIRES. ELCO TOOL AND SCREW CORPORATION, Rockford, Ill.
Filed May 23, 1925. Serial No. 214,786. PUBLISHED SEPTEMBER 1, 1925.

206,140. SOAP POWDER. PHILIP PHILIPSON, Stockholm, Sweden.
Filed May 22, 1925. Serial No. 214,746. PUBLISHED SEPTEMBER 8, 1925.

206,141. MEN'S OUTER CLOTHING CONSISTING OF COATS, VESTS, TROUSERS, AND KNICKERBOCKERS. FRANKEL BROS., New York, N. Y.
Filed May 22, 1925. Serial No. 214,719. PUBLISHED SEPTEMBER 15, 1925.

206,142. PRINTED ADVERTISING SIGNS. THE CONDE NAST PUBLICATIONS, INC., New York, N. Y.
Filed May 21, 1925. Serial No. 214,646. PUBLISHED SEPTEMBER 8, 1925.

206,143. ROUTER BITS FOR ENGRAVING. ALBERT W. COCHRAN, Portland, Oreg.
Filed May 21, 1925. Serial No. 214,645. PUBLISHED SEPTEMBER 15, 1925.

206,144. MEN'S AND BOYS' COATS, VESTS, TROUSERS, AND OVERCOATS. B. KUPPENHEIMER & CO., INC., Chicago, Ill.
Filed May 18, 1925. Serial No. 214,483. PUBLISHED SEPTEMBER 15, 1925.

206,145. HEALTH TONIC. THE AYER COMPANY, Lowell, Mass.
Filed August 19, 1925. Serial No. 219,054. PUBLISHED SEPTEMBER 22, 1925.

206,146. MALT BEVERAGES. PHILLIPS BROTHERS, Baltimore, Md.
Filed April 30, 1925. Serial No. 213,593. PUBLISHED SEPTEMBER 15, 1925.

206,147. AUTOMOBILE ACCESSORIES—TO WIT, MECHANICAL OILING APPARATUS, WATER PUMPS, AND VACUUM TANKS, FOR USE IN CONNECTION WITH INTERNAL-COMBUSTION ENGINES. LEE F. MOTT, doing business as Lee-Ray Auto Products Co., (not Inc.), Cincinnati, Ohio.
Filed April 30, 1925. Serial No. 213,590. PUBLISHED AUGUST 25, 1925.

206,148. CEREAL BEVERAGE—NAMELY, NEAR BEER. RUBSAM & HORRMANN BREWING COMPANY, Stapleton, N. Y.
Filed April 13, 1925. Serial No. 212,640. PUBLISHED SEPTEMBER 15, 1925.

206,149. A PERIODICAL PUBLICATION. NEA SERVICE, INC., Cleveland, Ohio.
Filed March 30, 1925. Serial No. 211,862. PUBLISHED SEPTEMBER 8, 1925.

206,150. CHECK GUARDS FOR MARKING CHECKS TO PREVENT ALTERATION. CODE CHECK GUARD COMPANY, Los Angeles, Calif.
Filed March 30, 1925. Serial No. 211,833. PUBLISHED SEPTEMBER 8, 1925.

206,151. SOAPS, COTTONSEED SOAP STOCKS, AND SWEEPING COMPOUNDS. LINDSAY-MCMILLAN CO., Milwaukee, Wis.
Filed February 20, 1925. Serial No. 209,928. PUBLISHED SEPTEMBER 8, 1925.

206,152. TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÊPE PAPER. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed February 16, 1925. Serial No. 209,645. PUBLISHED SEPTEMBER 8, 1925.

206,153. RAZORS. ATLANTA BARBER SUPPLY CO., Atlanta, Ga.
Filed February 12, 1925. Serial No. 209,454. PUBLISHED SEPTEMBER 1, 1925.

206,154. TEXTBOOKS. RUDOLPH BLANK, New York, N. Y.
Filed February 11, 1925. Serial No. 209,378. PUBLISHED SEPTEMBER 8, 1925.

206,155. PRODUCTION MACHINES AND TOOLS—NAMELY, COIL-WINDING MACHINES AND SUBPRESSES AND OTHER SPECIAL MACHINES, BUILT TO ORDER FOR VARIOUS CLASSES AND KINDS OF PRODUCTION WORK. GEORGE SCHER, doing business as Weber & Scher Mfg. Co., Newark, N. J.
Filed January 30, 1925. Serial No. 208,872. PUBLISHED APRIL 14, 1925.

206,156. NOM DE PLUME FOR NEWSPAPER SECTIONS DEVOTED TO NEWS OF SOCIETY. MAUD MCDOUGALL, Washington, D. C.
Filed December 16, 1924. Serial No. 206,797. PUBLISHED SEPTEMBER 8, 1925.

206,157. CUT GLASS OF ALL KINDS, AND SHEET GLASS. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed July 21, 1924. Serial No. 200,300. PUBLISHED SEPTEMBER 15, 1925.

206,158. DISINFECTANT DISTRIBUTOR. CHEIMO COMPANY, New York and Brooklyn, N. Y.
Filed June 20, 1924. Serial No. 198,848. PUBLISHED SEPTEMBER 1, 1925.

206,159. WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRIC IN THE PIECE COMPRISED IN WHOLE OR IN PART OF SILK. CHENEY BROTHERS, South Manchester, Conn.
Filed September 23, 1924. Serial No. 202,930. PUBLISHED SEPTEMBER 15, 1925.

206,160. FRESH POTATOES, ONIONS, APPLES, TURNIPS, CARROTS, PEARS, ORANGES, GARLIC, PLUMS, GRAPES, CELERY, PRUNES, CAULIFLOWER, AND SWEET POTATOES. HELLMANN BROS., New York, N. Y.
Filed April 25, 1924. Serial No. 196,118. PUBLISHED SEPTEMBER 15, 1925.

206,161. GREEN COFFEE. MARKS & SONS CO., INC., New Orleans, La.
Filed May 6, 1925. Serial No. 213,908. PUBLISHED SEPTEMBER 15, 1925.

206,162. CANNED FISH—VIZ, SARDINES. UNION CANNING COMPANY, Stavanger, Norway, and Chicago, Ill.
Filed March 11, 1924. Serial No. 193,643. PUBLISHED SEPTEMBER 15, 1925.

206,163. CANNED FISH—VIZ, SARDINES. UNION CANNING COMPANY, Stavanger, Norway, and Chicago, Ill.
Filed March 11, 1924. Serial No. 193,642. PUBLISHED SEPTEMBER 15, 1925.

206,164. MANUFACTURED FURS—NAMELY, COATS, WRAPS, AND SCARFS FOR WOMEN. KRUSKAL & KRUSKAL, INC., New York, N. Y.
Filed May 13, 1925. Serial No. 214,257. PUBLISHED AUGUST 11, 1925.

206,165. CERTAIN FOOD PRODUCTS. WILLIAM H. JOHNSON, New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a corporation of New Jersey.
Filed May 17, 1922. Serial No. 163,989. PUBLISHED JANUARY 1, 1924.

206,166. CANNED PINEAPPLE. SUSSMAN, WORMSER & CO., San Francisco, Calif.
Filed August 8, 1925. Serial No. 218,580. PUBLISHED SEPTEMBER 15, 1925.

206,167. CANNED FRUITS AND CANNED VEGETABLES. G. W. HUME COMPANY, San Francisco, Calif.
Filed August 8, 1925. Serial No. 218,558. PUBLISHED SEPTEMBER 15, 1925.

206,168. CANNED PINEAPPLE, JAM, MARMALADE, AND JELLY. HAWAIIAN PINEAPPLE PRODUCTS CO., LTD., San Francisco, Calif., and Iwilei, Territory of Hawaii.
Filed August 8, 1925. Serial No. 218,555. PUBLISHED SEPTEMBER 15, 1925.

206,169. CANNED PINEAPPLE, JAM, MARMALADE, AND JELLY. HAWAIIAN PINEAPPLE PRODUCTS CO., LTD., San Francisco, Calif., and Iwilei, Territory of Hawaii.
Filed August 8, 1925. Serial No. 218,554. PUBLISHED SEPTEMBER 15, 1925.

206,170. CANNED PINEAPPLE, JAM, MARMALADE, AND JELLY. HAWAIIAN PINEAPPLE PRODUCTS CO., LTD., San Francisco, Calif., and Iwilei, Territory of Hawaii.
Filed August 8, 1925. Serial No. 218,552. PUBLISHED SEPTEMBER 15, 1925.

206,171. COTTON AND RAYON DRAPERIES AND UPHOLSTERIES IN THE PIECE. MANVILLE JENCKES COMPANY, Pawtucket, R. I.
Filed August 4, 1925. Serial No. 218,364. PUBLISHED SEPTEMBER 15, 1925.

206,172. FRESH VEGETABLES, PARTICULARLY LETTUCE, TOMATOES, SPINACH, AND CELERY. GEORGE K. SHIBUYA, Sacramento, Calif.
Filed August 3, 1925. Serial No. 218,338. PUBLISHED SEPTEMBER 15, 1925.

206,173. CANDY. F. H. ROBERTS COMPANY, Boston, Mass.
Filed August 3, 1925. Serial No. 218,333. PUBLISHED SEPTEMBER 15, 1925.

206,174. SILK FABRIC IN THE PIECE. LORRAINE MANUFACTURING CO., Pawtucket, R. I.
Filed August 1, 1925. Serial No. 218,265. PUBLISHED SEPTEMBER 15, 1925.

206,175. FRESH GRAPES. PINKHAM HOLDINGS CO., Los Angeles, Calif.
Filed August 3, 1925. Serial No. 218,330. PUBLISHED SEPTEMBER 15, 1925.

206,176. FRESH PEARS. GUY W. CONNER, Medford, Oreg.
Filed August 1, 1925. Serial No. 218,247. PUBLISHED SEPTEMBER 15, 1925.

206,177. HAIR NETS. NEW YORK MERCHANDISE COMPANY, New York, N. Y.
Filed July 31, 1925. Serial No. 218,198. PUBLISHED SEPTEMBER 15, 1925.

206,178. CANNED PEAS. MAMMOTH SPRING CANNING CO., Templeton, Wis.
Filed July 31, 1925. Serial No. 218,193. PUBLISHED SEPTEMBER 15, 1925.

206,179. SAND REELS. THE OIL COUNTRY SPECIALTIES MFG. CO., Coffeyville, Kans.
Filed July 29, 1925. Serial No. 218,077. PUBLISHED SEPTEMBER 8, 1925.

206,180. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed July 29, 1925. Serial No. 218,044. PUBLISHED SEPTEMBER 15, 1925.

206,181. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed July 29, 1925. Serial No. 218,042. PUBLISHED SEPTEMBER 15, 1925.

206,182. ABRASIVE CLOTH AND PAPER. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn.
Filed July 27, 1925. Serial No. 217,944. PUBLISHED SEPTEMBER 15, 1925.

206,183. WATCH GLASSES. HAMMEL, RIGLANDER & CO., New York, N. Y.
Filed July 24, 1925. Serial No. 217,828. PUBLISHED SEPTEMBER 15, 1925.

206,184. SOAP IN POWDERED FORM. THE PALMOLIVE COMPANY, Chicago, Ill.
Filed July 23, 1925. Serial No. 217,796. PUBLISHED SEPTEMBER 15, 1925.

206,185. ROLLS, CRUSHER PARTS, AND LINER PLATES FOR MILLS. AMERICAN CAR AND FOUNDRY COMPANY, New York, N. Y.
Filed July 23, 1925. Serial No. 217,749. PUBLISHED SEPTEMBER 8, 1925.

206,186. MACHINE TOOLS, AND PARTICULARLY MILLING MACHINES, MILLING CUTTERS, DIE SETS, AND HAMMERS. THE BILTON MACHINE TOOL COMPANY, Bridgeport, Conn.
Filed July 17, 1925. Serial No. 217,498. PUBLISHED SEPTEMBER 15, 1925.

206,187. GREASE CUPS. LINK BELT COMPANY, Chicago, Ill.
Filed July 16, 1925. Serial No. 217,471. PUBLISHED SEPTEMBER 15, 1925.



206,188. SOAP POWDER. JAMES S. KIRK & COMPANY, Chicago, Ill.
Filed July 30, 1925. Serial No. 218,127. PUBLISHED SEPTEMBER 8, 1925.

206,189. CANNED FRUITS AND CANNED VEGETABLES—NAMELY, PEACHES AND TOMATOES. SUTTER CO-OPERATIVE GROWERS, San Francisco, Calif.
Filed July 29, 1925. Serial No. 218,093. PUBLISHED SEPTEMBER 8, 1925.

206,190. CANNED FRUITS AND CANNED VEGETABLES—NAMELY, PEACHES AND TOMATOES. SUTTER CO-OPERATIVE GROWERS, San Francisco, Calif.
Filed July 29, 1925. Serial No. 218,092. PUBLISHED SEPTEMBER 8, 1925.

206,191. CIGARS. SCHUTTER-JOHNSON CANDY CO., Chicago, Ill.
Filed July 29, 1925. Serial No. 218,089. PUBLISHED SEPTEMBER 8, 1925.

206,192. CANDY. QUAKER CITY CHOCOLATE & CONFECTIONERY COMPANY, Philadelphia, Pa.
Filed July 29, 1925. Serial No. 218,082. PUBLISHED SEPTEMBER 8, 1925.

206,193. CANDY. J. G. MCDONALD CHOCOLATE CO., Salt Lake City, Utah.
Filed July 29, 1925. Serial No. 218,073. PUBLISHED SEPTEMBER 8, 1925.

206,194. CANDY. LOFT, INC., New York, N. Y.
Filed July 29, 1925. Serial No. 218,069. PUBLISHED SEPTEMBER 8, 1925.

206,195. CANDY. LOFT, INC., New York, N. Y.
Filed July 29, 1925. Serial No. 218,068. PUBLISHED SEPTEMBER 8, 1925.

206,196. CANDY. LOFT, INC., New York, N. Y.
Filed July 29, 1925. Serial No. 218,067. PUBLISHED SEPTEMBER 8, 1925.

206,197. COASTER WAGONS. J. N. ADAM & CO., Buffalo, N. Y.
Filed July 29, 1925. Serial No. 218,035. PUBLISHED SEPTEMBER 15, 1925.

206,198. VEGETABLE SHORTENING. SOUTH TEXAS COTTON OIL COMPANY, Houston, Tex.
Filed July 28, 1925. Serial No. 218,024. PUBLISHED SEPTEMBER 8, 1925.

206,199. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,336. PUBLISHED AUGUST 25, 1925.

206,200. READY-MIXED HOUSE PAINTS, PASTE PAINTS, COLORS IN OIL, STAINS, PAINT ENAMELS, SHELLACS, VARNISHES, AND PAINT AND VARNISH REMOVERS. SCOTT-SULLIVAN PAINT CO., St. Louis, Mo.
Filed June 27, 1925. Serial No. 216,564. PUBLISHED AUGUST 11, 1925.

206,201. PASTE WHITE PAINT. SCOTT-SULLIVAN PAINT CO., St. Louis, Mo.
Filed June 27, 1925. Serial No. 216,565. PUBLISHED AUGUST 11, 1925.

206,202. PAINT FOR CEMENT IN DRY POWDER FORM. THE REARDON COMPANY, St. Louis, Mo.
Filed June 30, 1925. Serial No. 216,694. PUBLISHED AUGUST 11, 1925.

206,203. READY-MIXED PAINTS, PASTE PAINTS, VARNISHES, STAINS, ENAMELS, AND SHELLACS. SCOTT-SULLIVAN PAINT CO., St. Louis, Mo.
Filed June 27, 1925. Serial No. 216,563. PUBLISHED AUGUST 11, 1925.

206,204. CARBON BLACK. EASTERN CARBON BLACK COMPANY, Charleston, W. Va.
Filed June 26, 1925. Serial No. 216,458. PUBLISHED AUGUST 11, 1925.

206,205. DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, AND ENAMELS, INCLUDING PAINT, VARNISH, AND ENAMEL SPECIALTIES, PRODUCTS MANUFACTURED TO MEET PECULIAR CONDITIONS. BENNETT GLASS & PAINT COMPANY, Salt Lake City, Utah.
Filed June 24, 1925. Serial No. 216,315. PUBLISHED AUGUST 11, 1925.

206,206. PREPARATION FOR REMOVING STAINS FROM PLASTER. COLMER-MCNEIL, Los Angeles, Calif.
Filed June 22, 1925. Serial No. 216,151. PUBLISHED AUGUST 11, 1925.

206,207. LACQUER. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed June 17, 1925. Serial No. 215,905. PUBLISHED AUGUST 11, 1925.

206,208. LACQUER. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed June 17, 1925. Serial No. 215,904. PUBLISHED AUGUST 11, 1925.

206,209. LACQUER. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed June 17, 1925. Serial No. 215,900. PUBLISHED AUGUST 11, 1925.

206,210. LACQUER. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed June 17, 1925. Serial No. 215,899. PUBLISHED AUGUST 11, 1925.

206,211. LACQUER. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed June 17, 1925. Serial No. 215,898. PUBLISHED AUGUST 11, 1925.

206,212. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,362. PUBLISHED AUGUST 25, 1925.

206,213. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,361. PUBLISHED AUGUST 25, 1925.

206,214. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,360. PUBLISHED AUGUST 25, 1925.

206,215. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,359. PUBLISHED AUGUST 25, 1925.

206,216. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,345. PUBLISHED AUGUST 25, 1925.

206,217. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,344. PUBLISHED AUGUST 25, 1925.

206,218. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,343. PUBLISHED AUGUST 25, 1925.

206,219. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,342. PUBLISHED AUGUST 25, 1925.

206,220. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,341. PUBLISHED AUGUST 25, 1925.

206,221. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,340. PUBLISHED AUGUST 25, 1925.

206,222. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,339. PUBLISHED AUGUST 25, 1925.

206,223. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,338. PUBLISHED AUGUST 25, 1925.

206,224. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,337. PUBLISHED AUGUST 25, 1925.

206,225. WEEKLY NEWSPAPER. THE EMPIRE PUBLISHING COMPANY, Washington, D. C.
Filed June 5, 1925. Serial No. 215,335. PUBLISHED AUGUST 25, 1925.

206,226. SELF-RISING WHEAT FLOUR. THE RED STAR MILLING COMPANY, Wichita, Kans.
Filed June 1, 1925. Serial No. 215,179. PUBLISHED SEPTEMBER 1, 1925.

206,227. HOUSE PAINTS, VARNISHES, BARN PAINTS, AND ENAMELS. THE CHICAGO WHITE LEAD & OIL CO., Chicago, Ill.
Filed July 10, 1925. Serial No. 217,133. PUBLISHED SEPTEMBER 1, 1925.

206,228. HOSIERY. GUNNERSON SHOE CO., Los Angeles, Calif.
Filed July 11, 1925. Serial No. 217,224. PUBLISHED SEPTEMBER 15, 1925.

206,229. SOLE LEATHER. PEDOX PRODUX, INC., New York, N. Y.
Filed July 13, 1925. Serial No. 217,292. PUBLISHED SEPTEMBER 8, 1925.

206,230. AUTOMOBILE TRUCK TIRES. LEE RUBBER AND TIRE CORPORATION, New York, N. Y.
Filed July 15, 1925. Serial No. 217,404. PUBLISHED SEPTEMBER 15, 1925.

206,231. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed July 15, 1925. Serial No. 217,415. PUBLISHED SEPTEMBER 15, 1925.

206,232. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed July 15, 1925. Serial No. 217,416. PUBLISHED SEPTEMBER 15, 1925.

206,233. VEHICLE BRAKES AND PARTS THEREOF. STEELDRAULIC BRAKE CORPORATION, Detroit, Mich.
Filed July 15, 1925. Serial No. 217,424. PUBLISHED SEPTEMBER 15, 1925.

206,234. [WITHDRAWN.]

206,235. OIL BURNERS. NORTHERN MACHINERY CO., Minneapolis, Minn.
Filed July 20, 1925. Serial No. 217,632. PUBLISHED SEPTEMBER 15, 1925.

206,236. BRAKE LININGS. ALLBESTOS CORPORATION, Philadelphia, Pa.
Filed July 21, 1925. Serial No. 217,656. PUBLISHED SEPTEMBER 15, 1925.

206,237. PORCELAIN AND EARTHENWARE VASES. LUCIEN WILLEMETS, Paris, France.
Filed July 24, 1925. Serial No. 217,844. PUBLISHED SEPTEMBER 15, 1925.

206,238. THREAD. BRITTON THREADS, INC., Pawtucket, R. I.
Filed August 3, 1925. Serial No. 218,285. PUBLISHED SEPTEMBER 15, 1925.

206,239. OIL AND GAS BURNING APPLIANCES, APPARATUS, AND EQUIPMENT—NAMELY, BURNERS, PIPING, CONTROL VALVES, SAFETY VALVES, FLOAT VALVES, OIL GAUGES, AND OIL STRAINERS. THE NUFUEL BURNER COMPANY, Erie, Pa.
Filed February 26, 1924. Serial No. 192,853. PUBLISHED SEPTEMBER 8, 1925.

206,240. TILES MADE OF BURNED CLAY, GLAZED AND UNGLAZED. ERI H. RICHARDSON, San Francisco, Calif.
Filed March 18, 1924. Serial No. 194,024. PUBLISHED SEPTEMBER 8, 1925.

206,241. MATERIALS COMPRISING DIATOMACEOUS EARTH OR INFUSORIAL EARTH EITHER RAW OR IN PREPARED OR PARTLY-PREPARED CONDITION AND IN THE FORM OF CRUDE RUN-OF-MINE MATERIAL, POWDER, FRAGMENTS, CUT BRICKS OR BLOCKS, OR COMPOSITIONS CONTAINING DIATOMACEOUS OR INFUSORIAL EARTH. CELITE PRODUCTS CO., Los Angeles, Calif.
Filed September 16, 1924. Serial No. 202,658. PUBLISHED SEPTEMBER 15, 1925.

206,242. FOOD PRODUCTS, CANDY, ETC. OTTO HAUCKE, doing business as Haucke & Sohn, Altona, Germany.
Filed March 11, 1925. Serial No. 210,844. PUBLISHED SEPTEMBER 1, 1925.

206,243. CERTAIN FOOD PRODUCTS. THE NEW YORK APPETISER COMPANY, Cleveland, Ohio.
Filed April 6, 1925. Serial No. 212,286. PUBLISHED JUNE 23, 1925.

206,244. BITUMINOUS COMPOUND FOR THE PROTECTION OF METAL AGAINST CORROSION. QUIGLEY FURNACE SPECIALTIES COMPANY, INC., New York, N. Y.
Filed May 28, 1925. Serial No. 215,022. PUBLISHED SEPTEMBER 15, 1925.

206,245. STOVES AND RANGES FOR COAL, COKE, WOOD, LIGNITE, AND GAS. BELLEVILLE STOVE & RANGE CO., Belleville, Ill.
Filed May 29, 1925. Serial No. 215,048. PUBLISHED SEPTEMBER 15, 1925.

206,246. ROLL ROOFING. THE BARBER ASPHALT COMPANY, Philadelphia, Pa.
Filed June 1, 1925. Serial No. 215,125. PUBLISHED SEPTEMBER 15, 1925.

206,247. COKE. FERGUSON COAL CO., Clinton, Ind.
Filed July 11, 1925. Serial No. 217,214. PUBLISHED SEPTEMBER 8, 1925.

206,248. GREENHOUSE-VENTILATING APPARATUS. LORD AND BURNHAM COMPANY, Irvington-on-Hudson, N. Y.
Filed July 14, 1925. Serial No. 217,350. PUBLISHED SEPTEMBER 8, 1925.

206,249. SANITARY NAPKINS. THE DEANE PLASTER CO., Yonkers, N. Y.
Filed July 15, 1925. Serial No. 217,395. PUBLISHED SEPTEMBER 8, 1925.

206,250. GALVANIZED SHEETS. KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill.
Filed July 15, 1925. Serial No. 217,401. PUBLISHED SEPTEMBER 8, 1925.

206,251. MOTION-PICTURE FILMS. KANSAS CITY POWER & LIGHT COMPANY, Kansas City, Mo.
Filed July 20, 1925. Serial No. 217,623. PUBLISHED SEPTEMBER 8, 1925.

206,252. QUANTITY METERS FOR MEASURING WATER, OIL, GASOLINE, AND OTHER LIQUIDS. BUFFALO METER COMPANY, Buffalo, N. Y.
Filed July 23, 1925. Serial No. 217,755. PUBLISHED SEPTEMBER 8, 1925.

206,253. GALVANIZED SHEETS. KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill.
Filed July 23, 1925. Serial No. 217,787. PUBLISHED SEPTEMBER 8, 1925.

206,254. GARMENT HANGERS. STAR-SERVICE HANGER CO., Detroit, Mich.
Filed July 14, 1924. Serial No. 200,017. PUBLISHED SEPTEMBER 15, 1925.



206,255. TENTS. FULTON BAG & COTTON MILLS, Atlanta, Ga.
Filed November 4, 1924. Serial No. 204,824. PUBLISHED SEPTEMBER 15, 1925.

206,256. TRANSPARENT, WATERPROOF OILED CLOTH FOR COVERING TENTS, PORCHES, STORM DOORS, WINDOWS, HOTBEDS, OR THE LIKE. FLEX-O-GLASS MANUFACTURING COMPANY, Chicago, Ill.
Filed February 27, 1925. Serial No. 210,228. PUBLISHED SEPTEMBER 8, 1925.

206,257. FIRELESS COOKERS. ELISABETH SMEGY, doing business as Elisabeth-Miracle Fireless Self-Cooker Mfg. Co., Brooklyn, N. Y.
Filed June 12, 1925. Serial No. 215,715. PUBLISHED SEPTEMBER 15, 1925.

206,258. TREATED WOVEN COTTON FABRIC. EASTERN FINISHING WORKS, INC., Kenyon, R. I.
Filed June 15, 1925. Serial No. 215,778. PUBLISHED SEPTEMBER 15, 1925.

206,259. ENAMELED AND PAINTED SLATE PRODUCTS, PARTICULARLY CAPS AND BASES FOR COLUMNS, WAINSCOTS, SILLS, COPING, HEARTHS, FIREPLACES, PLINTHS, AND SHELVES. THE STRUCTURAL SLATE CO., Pen Argyl, Pa.
Filed June 22, 1925. Serial No. 216,223. PUBLISHED SEPTEMBER 15, 1925.

206,260. FAIENCE TILE. FRANKLIN POTTERY CO., Lansdale, Pa.
Filed June 24, 1925. Serial No. 216,329. PUBLISHED SEPTEMBER 15, 1925.

206,261. PLYWOOD AND VENEERED LUMBER. THE MENGEL COMPANY, Louisville, Ky.
Filed July 11, 1925. Serial No. 217,227. PUBLISHED SEPTEMBER 8, 1925.

206,262. AIR-HEATING APPARATUS FOR THE PREHEATING OF COMBUSTION AIR. SOCIÉTÉ DES RÉCHAUFFEURS D'AIR AIRÉCO, Paris, France.
Filed July 11, 1925. Serial No. 217,234. PUBLISHED SEPTEMBER 8, 1925.

206,263. FLEXIBLE GATES. BUDD B. SIPPEL, Waterloo, Iowa.
Filed July 13, 1925. Serial No. 217,304. PUBLISHED SEPTEMBER 8, 1925.

206,264. METAL SHELVING. DAVID LUPTON'S SONS COMPANY, Philadelphia, Pa.
Filed July 18, 1925. Serial No. 217,570. PUBLISHED SEPTEMBER 15, 1925.

206,265. CONCRETE WALLS AND CONCRETE FORMS. ALONZO G. REYNOLDS, San Francisco, Calif.
Filed July 18, 1925. Serial No. 217,582. PUBLISHED SEPTEMBER 15, 1925.

206,266. WHEAT FLOUR. T. C. BRUNNER & SON, Omaha, Nebr.
Filed September 10, 1923. Serial No. 185,560. PUBLISHED SEPTEMBER 15, 1925.

206,267. INFANTS' MERCERIZED DOUBLE-KNEE HOSE. AMERICAN DRY GOODS COMPANY OF NEW YORK, New York, N. Y.
Filed December 18, 1923. Serial No. 189,834. PUBLISHED AUGUST 11, 1925.

206,268. OLIVE OIL. LUIGI PELLINO, New York, N. Y.
Filed July 8, 1924. Serial No. 199,759. PUBLISHED SEPTEMBER 15, 1925.

206,269. NIGHTSHIRTS AND PYJAMAS. ERNEST SIMONS MFG. CO., Port Chester, N. Y.
Filed July 17, 1924. Serial No. 200,159. PUBLISHED SEPTEMBER 15, 1925.

206,270. HOSIERY. VANCE KNITTING CO., Kernersville, N. C.
Filed August 2, 1924. Serial No. 200,911. PUBLISHED SEPTEMBER 15, 1925.

206,271. WORK SHIRTS AND BLOUSES, FLANNEL SHIRTS AND BLOUSES, TROUSERS, OVERALLS, AND JACKETS. D. M. OBERMAN MFG. CO., Jefferson City, Mo.
Filed August 22, 1924. Serial No. 201,772. PUBLISHED SEPTEMBER 15, 1925.

206,272. RED WINES, WHITE SWEET WINES, DRY WHITE WINES, SPARKLING WINES, VERMUTH, AND TONIC WINES. GIUSEPPE SAVORETTI, doing business as Noe' Industrie Vinicole Italiane I. V. I. Di Savoretti Giuseppe, Turin, Italy.
Filed October 15, 1924. Serial No. 203,889. PUBLISHED JULY 21, 1925.

206,273. MONTHLY MAGAZINE. EXPERIMENTER PUBLISHING CO., New York, N. Y.
Filed November 5, 1924. Serial No. 204,854. PUBLISHED SEPTEMBER 15, 1925.

206,274. ARTIFICIAL-SILK YARNS. N. V. NEDERLANDSCHE KUNSTZIJDEFABRIEK, Arnhem, Netherlands.
Filed November 10, 1924. Serial No. 205,080. PUBLISHED SEPTEMBER 15, 1925.

206,275. BUTTER. CLOVERLEAF CREAMERIES, INC., New York, N. Y.
Filed November 26, 1924. Serial No. 205,859. PUBLISHED SEPTEMBER 15, 1925.

206,276. WOODEN HOUSEHOLD FURNITURE—NAMELY, BEDS, DRESSERS, CHIFFONIERS, CABINETS, CHESTS, CHAIRS, TABLES, BOOKCASES, BUFFETS, SMOKING STANDS, BENCHES (TO SIT ON), MIRROR FRAMES, COSTUMERS, DESKS, COMMODES, TALLBOYS, TABORETS, STANDS, FOOTSTOOLS, SECRETARIES, BUREAUS, WARDROBES, SIDEBOARDS, PEDESTALS, DAVENPORTS, SOFAS, SETTEES, LAMP STANDS, BOOK ENDS, BOOK TROUGHS, AND TEA WAGONS. JOHNSON FURNITURE COMPANY, Grand Rapids, Mich.
Filed December 8, 1924. Serial No. 206,412. PUBLISHED MARCH 10, 1925.

206,277. LADIES' AND MISSES' GOWNS, BLOOMERS, STEP-INS, CHEMISES, PRINCESS SLIPS, AND PANTELETS. AMERICAN MAID UNDERGARMENT CO., New York, N. Y.
Filed January 14, 1925. Serial No. 208,090. PUBLISHED JUNE 16, 1925.

206,278. HOUSEHOLD FURNITURE. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed March 3, 1925. Serial No. 210,428. PUBLISHED SEPTEMBER 1, 1925.

206,279. PAINTERS' DROP CLOTHS MADE OF DRILL, SHEETINGS, AND MUSLINS. JOHN D. BLAKE, doing business as The Blake Company, Rockford, Ill.
Filed March 23, 1925. Serial No. 211,451. PUBLISHED SEPTEMBER 15, 1925.

206,280. DISPLAY MIRRORS. INTERNATIONAL MAGAZINE CO., INC., New York, N. Y.
Filed April 6, 1925. Serial No. 212,270. PUBLISHED AUGUST 25, 1925.

206,281. SPRING COVERS FOR AUTOMOBILE SPRINGS. ANDERSON MANUFACTURING COMPANY, Everett, Mass.
Filed April 10, 1925. Serial No. 212,466. PUBLISHED SEPTEMBER 15, 1925.

206,282. CANDY. THE DEVOINS COMPANY, Baltimore, Md.
Filed April 10, 1925. Serial No. 212,485. PUBLISHED SEPTEMBER 15, 1925.

206,283. CORE BINDERS. BENJAMIN ROOS, doing business as B. Roos & Co., Berlin, Germany.
Filed April 10, 1925. Serial No. 212,506. PUBLISHED SEPTEMBER 1, 1925.

206,284. TEXTILE ARTICLES—NAMELY, HOSIERY. THE EVERWEAR HOSIERY CO., Milwaukee, Wis.
Filed April 11, 1925. Serial No. 212,546. PUBLISHED SEPTEMBER 15, 1925.

206,285. BOTTLED AND BULK VINEGAR AND TOMATO CATCHUP. UNITY FOOD PACKERS, INC., Webster, N. Y.
Filed April 11, 1925. Serial No. 212,581. PUBLISHED SEPTEMBER 15, 1925.

206,286. ARTIFICIAL-SILK UNDERWEAR. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed April 15, 1925. Serial No. 212,716. PUBLISHED SEPTEMBER 15, 1925.

206,287. MEN'S AND BOYS' NAINSOOK ATHLETIC UNION SUITS OF KNITTED OR TEXTILE FABRICS. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed April 15, 1925. Serial No. 212,717. PUBLISHED SEPTEMBER 15, 1925.

206,288. MEN'S AND BOYS' OVERCOATS, SUITS, VESTS, SWEATERS, HATS, SCARFS, TIES, MUFFLERS, CRAVATS; KNITTED, WOVEN, AND TEXTILE UNDERWEAR; COLLARS, HOSIERY, BATH ROBES, LOUNGE ROBES, HOUSE COATS, GOLF KNICKERS, AND BATHING SUITS. THE C. E. LONGLEY COMPANY, New Haven, Conn.
Filed April 18, 1925. Serial No. 212,938. PUBLISHED SEPTEMBER 15, 1925.

206,289. MONTHLY MAGAZINE. MACFADDEN PUBLICATIONS, INC., New York, N. Y.
Filed April 18, 1925. Serial No. 212,939. PUBLISHED SEPTEMBER 15, 1925.

206,290. BUILDING BRICKS AND BUILDING BLOCKS. BEAVER CLAY MANUFACTURING COMPANY, New Galilee, Pa.
Filed April 28, 1925. Serial No. 213,424. PUBLISHED SEPTEMBER 15, 1925.

206,291. FINELY-DIVIDED SOLID MATERIAL HAVING SELECTIVE ABSORPTIVE PROPERTIES TO BE USED IN AIDING FILTRATION AND IN DEEMULSIFYING OR DEHYDRATING OF LIQUIDS. CELITE PRODUCTS COMPANY, Los Angeles, Calif.
Filed April 30, 1925. Serial No. 213,549. PUBLISHED JULY 21, 1925.

206,292. FORCE OILERS AND OIL CANS. DAMASCUS STEEL PRODUCTS CORPORATION, Rockford, Ill.
Filed May 4, 1925. Serial No. 213,772. PUBLISHED AUGUST 25, 1925.

206,293. MALT EXTRACT FOR FOOD PURPOSES. ALEX J. MAGGIO, doing business as Imperial Malt Co., Chicago, Ill.
Filed May 11, 1925. Serial No. 214,173. PUBLISHED SEPTEMBER 15, 1925.

206,294. MEN'S AND BOYS' FLANNEL COATS, VESTS, AND TROUSERS. B. KUPPENHEIMER & CO., INC., Chicago, Ill.
Filed May 18, 1925. Serial No. 214,487. PUBLISHED SEPTEMBER 15, 1925.

206,295. PARTLY AND COMPLETELY MANUFACTURED WINDOW SHADES OR CURTAINS UTILIZING A CRÊPED OR CRINKLED PAPER STOCK IN THEIR CONSTRUCTION. ANGIER CORPORATION, Framingham, Mass.
Filed May 21, 1925. Serial No. 214,638. PUBLISHED SEPTEMBER 15, 1925.

206,296. INFANTS' AND CHILDREN'S KNITTED UNDERWEAR AND KNITTED SLEEPING GARMENTS, INFANTS' KNITTED SHIRTS AND BANDS, CHILDREN'S KNITTED SHIRTS AND PANTS, CHILDREN'S KNITTED UNION SUITS, AND WAIST UNION SUITS. MINNEAPOLIS KNITTING WORKS, Minneapolis, Minn.
Filed May 25, 1925. Serial No. 214,881. PUBLISHED SEPTEMBER 15, 1925.

206,297. FRESH LETTUCE PACKED IN CRATES. CHARLES E. LINWOOD, doing business as Linwood & Co., San Francisco, Calif.
Filed May 27, 1925. Serial No. 214,966. PUBLISHED SEPTEMBER 15, 1925.

206,298. LIQUID PRESERVATIVE COATING IN THE NATURE OF A PAINT FOR WOOD, METAL OR OTHER MATERIAL. THE AMERICAN CHEMICAL WORKS, San Francisco, Calif.
Filed May 28, 1925. Serial No. 214,988. PUBLISHED SEPTEMBER 1, 1925.

206,299. ARTIFICIAL HONEY. EZRA G. BAXTER, Waycross, Ga.
Filed June 1, 1925. Serial No. 215,126. PUBLISHED SEPTEMBER 15, 1925.

206,300. BRAKE LININGS. MOTT FULLER, doing business as The Brake Shop, Oakland, Calif.
Filed June 1, 1925. Serial No. 215,144. PUBLISHED SEPTEMBER 8, 1925.

206,301. PIECE GOODS MADE OF WOOL. ROUBAIX MILLS, INC., New York, N. Y.
Filed June 5, 1925. Serial No. 215,385. PUBLISHED SEPTEMBER 15, 1925.

206,302. PORTABLE OVENS. JACKES-EVANS MANUFACTURING COMPANY, St. Louis, Mo.
Filed June 8, 1925. Serial No. 215,462. PUBLISHED SEPTEMBER 15, 1925.

206,303. AIR BEDS, AIR CUSHIONS, AIR SEATS, MADE OF RUBBER. THE SELF-CONTROLLED AIR CUSHION COMPANY LIMITED, Manchester, England.
Filed June 9, 1925. Serial No. 215,585. PUBLISHED SEPTEMBER 1, 1925.

206,304. FOOTER, KNITTING, AND RIBBING MACHINES, AND PARTS THEREOF. FIDELITY MACHINE COMPANY, Wilmington, Del., and Philadelphia, Pa.
Filed June 10, 1925. Serial No. 215,565. PUBLISHED AUGUST 25, 1925.

206,305. HOPS. E. CLEMENS HORST CO., San Francisco, Calif.
Filed June 10, 1925. Serial No. 215,572. PUBLISHED SEPTEMBER 15, 1925.

206,306. LEATHER. HELBURN THOMPSON COMPANY, Salem, Mass.
Filed July 9, 1925. Serial No. 217,096. PUBLISHED SEPTEMBER 15, 1925.

206,307. LEATHER. HELBURN THOMPSON COMPANY, Salem, Mass.
Filed July 9, 1925. Serial No. 217,095. PUBLISHED SEPTEMBER 15, 1925.

206,308. LEATHER. HELBURN THOMPSON COMPANY, Salem, Mass.
Filed July 9, 1925. Serial No. 217,094. PUBLISHED SEPTEMBER 15, 1925.

206,309. LIQUID PREPARATION USED AS A PAINT AND VARNISH REMOVER. WILLIAM J. TENNIS, Oelwein, Iowa.
Filed July 8, 1925. Serial No. 217,055. PUBLISHED SEPTEMBER 1, 1925.

206,310. FRESH CITROUS FRUITS — NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. J. M. RILEY FRUIT CO., Covina, Calif.
Filed July 6, 1925. Serial No. 216,939. PUBLISHED SEPTEMBER 15, 1925.

206,311. FRESH GRAPES. PINKHAM HOLDINGS CO., Los Angeles, Calif.
Filed July 6, 1925. Serial No. 216,932. PUBLISHED SEPTEMBER 15, 1925.

206,312. DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, AND ENAMELS, INCLUDING PAINT, VARNISH, AND ENAMEL SPECIALTIES, PRODUCTS MANUFACTURED TO MEET PECULIAR CONDITIONS. BENNETT GLASS & PAINT COMPANY, Salt Lake City, Utah.
Filed July 6, 1925. Serial No. 216,868. PUBLISHED SEPTEMBER 1, 1925.



206,313. COTTON PIECE GOODS. THE QUINEBAUG COMPANY, Danielson, Conn.
Filed July 3, 1925. Serial No. 216,846. PUBLISHED SEPTEMBER 15, 1925.

206,314. CHEWING GUM. WEST & TUBLL, Bisbee, Ariz.
Filed June 30, 1925. Serial No. 216,704. PUBLISHED SEPTEMBER 15, 1925.

206,315. BELTING USED IN INDUSTRY FOR POWER TRANSMISSION, FOR CONVEYING VARIOUS KINDS OF RAW MATERIALS AND FINISHED PRODUCTS, AND FOR APRONS AND CONVEYERS (INCLUDING CUTTER BELTS) ON MACHINERY USED FOR THE PRODUCTION OF CRACKERS, COOKIES, AND SIMILAR FOOD PRODUCTS. THE FRANKLIN COTTON MILL CO., Cincinnati, Ohio.
Filed June 29, 1925. Serial No. 216,593. PUBLISHED SEPTEMBER 1, 1925.

206,316. CERTAIN FOOD PRODUCTS. SERVICE GROCER COMPANY, INC., Detroit, Mich.
Filed June 26, 1925. Serial No. 216,481. PUBLISHED SEPTEMBER 15, 1925.

206,317. CANNED PEAS AND CANNED CORN. LANCASTER CANNING COMPANY, Lancaster, Wis.
Filed June 25, 1925. Serial No. 216,415. PUBLISHED SEPTEMBER 15, 1925.

206,318. BLIND-NAIL TRIMMING STRIPS. ASHTON HAMILTON, doing business as Hamilton-Wade Company, Brockton, Mass.
Filed June 25, 1925. Serial No. 216,391. PUBLISHED AUGUST 25, 1925.

206,319. VEHICLE BODIES. THE AUTO BODY COMPANY, Lansing, Mich.
Filed June 25, 1925. Serial No. 216,878. PUBLISHED SEPTEMBER 15, 1925.

206,320. OVERALLS, PANTS, AND WORK SHIRTS. HIGH POINT OVERALL CO., High Point, N. C.
Filed June 23, 1925. Serial No. 216,270. PUBLISHED SEPTEMBER 15, 1925.

206,321. GRATED HORSE RADISH. NICHOLAS F. KOENIG, Chicago, Ill.
Filed June 22, 1925. Serial No. 216,194. PUBLISHED SEPTEMBER 15, 1925.

206,322. LADIES' AND MISSES' CLOAKS, SUITS, AND DRESSES. MORRIS GOLDMAN, San Francisco, Calif.
Filed June 17, 1925. Serial No. 215,910. PUBLISHED SEPTEMBER 15, 1925.

206,323. STATIONERY SUPPLIES—NAMELY, STATIONERY TABLETS, BLOTTERS, PADS, NOTE-BOOKS, AND BLANK PAGES. INTERBOROUGH NEWS COMPANY, New York, N. Y.
Filed June 16, 1925. Serial No. 215,859. PUBLISHED SEPTEMBER 15, 1925.

206,324. CIGARETTE EXTINGUISHERS AND ASH TRAYS. THE COOPER OVEN THERMOMETER COMPANY, Pequabuck, Plymouth, Conn.
Filed June 13, 1925. Serial No. 215,736. PUBLISHED SEPTEMBER 15, 1925.

206,325. BABY BIBS. ASHER WOLFF, New York, N. Y.
Filed June 11, 1925. Serial No. 215,672. PUBLISHED SEPTEMBER 15, 1925.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)].

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

206,326. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. HALFF & BRO., San Antonio, Tex. Filed Aug. 10, 1925. Serial No. 218,636.

EVERLAST

*Particular description of goods.*—Bed Sheeting.
*Claims use* since Oct. 4, 1924.

206,327. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOHNS-MANVILLE, INCORPORATED, New York, N. Y. Filed July 2, 1925. Serial No. 216,788.

Engineers' Insulating Tape

*Particular description of goods.*—Engineers' Insulating Tape Mainly Used for Wrapping Steam Pipes in and About the Cabs of Locomotives.
*Claims use* since June 1, 1924.

206,328. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN MARCEV, New Orleans, La. Filed May 16, 1925. Serial No. 214,428.

Marble Hall Branch

*Particular description of goods.*—A Food Product Prepared from Oysters and Molded into Small Miniature Loaves.
*Claims use* since July 1, 1914.

206,329. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) QUICK FINISH PRODUCT COMPANY, Clarksburg, W. Va. Filed Apr. 11, 1925. Serial No. 212,572.

Quick-Lac
Trade Mark

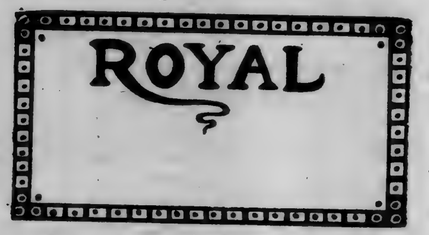
*Particular description of goods.*—Ready-Mixed Paints Adapted for Painting Automobiles or Furniture.
*Claims use* since February, 1924.

206,330. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CITRUS SOAP COMPANY OF CALIFORNIA, San Diego, Calif. Filed Nov. 5, 1924. Serial No. 204,852.

Trade-mark comprises the representation of soapsuds and bubbles with the words "Instant Suds" printed thereon.

*Particular description of goods.*—Soap Powder.
*Claims use* since Oct. 1, 1924.

206,331. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) ANDREW LEONFORTE, New York, N. Y. Filed Sept. 8, 1924. Serial No. 202,349.




*Particular description of goods.*—Canned Barley Malt Made of Barley.
*Claims use* since July 3, 1920.

206,332. (CLASS 37. PAPER AND STATIONERY.) BETTER PACKAGES, INCORPORATED, New York, N. Y. Filed Apr. 26, 1924. Serial No. 196,151.

NON SEAL

*Particular description of goods.*—Paper Strips for Fastening Packages and the like.
*Claims use* since Jan. 10, 1915.

206,333. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GUSTAV KLEMPERER, doing business as Cosmos Trading Company, New York, N. Y. Filed Feb. 27, 1923. Serial No. 176,681.

"The Hair Net in the Window Envelope"

*Particular description of goods.*—Hair Nets.
*Claims use* since about May 12, 1922.

206,334. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. A. SEA FOOD PACKING CO., East San Pedro, Calif. Filed Oct. 3, 1925. Serial No. 221,180.

ROCK ISLAND

*Particular description of goods.*—Canned Fish.
*Claims use* since Sept. 1, 1922.

206,335. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CRETE MILLS, Crete, Nebr. Filed Sept. 3, 1925. Serial No. 219,728.

NOKORN

*Particular description of goods.*—Chick Food.
*Claims use* since 1923.

206,336. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOORMAN MFG. CO., Quincy, Ill. Filed Aug. 19, 1925. Serial No. 219,080.

IT PAYS TO FEED THE BEST

*Particular description of goods.*—Prepared Stock Feed.
*Claims use* since Mar. 24, 1924.

206,337. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DAVIS PAINT COMPANY, Kansas City, Mo. Filed Aug. 17, 1925. Serial No. 218,952.

EVER-BRIGHT BRAND

*Particular description of goods.*—Ready-Mixed Paint.
*Claims use* since about Apr. 1, 1921.



206,338. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PFEIFFER CHEMICAL COMPANY, New York, N. Y. Filed July 22, 1925. Serial No. 217,735.

HOBSON'S

*Particular description of goods.*—Soap.
*Claims use* since Dec. 2, 1903.

206,339. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HARRY H. KELLY & SONS, Philadelphia, Pa. Filed June 24, 1925. Serial No. 216,345.

EVERWEAR

*Particular description of goods.*—Brushes for Cleaning Upholstered Furniture, Brushes for Polishing Silver, Bottle Brushes, Ceiling Brushes Made of Bristle and Hair, Ceiling Dusters Made of Cotton, Dustless Dusters Made of Cotton, Dustless Floor Polishers With Handles, Brushes for Cleaning Glass, Hearth Brushes Made of Bristle and Fiber, Hopper Brushes, Lamp-Shade Brushes, Sink Scrub Brushes, Pot and Pan Scrub Brushes, Cuspidor Brushes, Radiator Brushes, Refrigerator Brushes, Bathtub-Scrubbing Brushes, Dairy Scrubbing Brushes, Shoe Daubers, Shoe Brushes With and Without Handles, Stair Brushes, Barn Brooms, Button Brushes, Window Brushes, Sanitary Brushes for Toilet, Stove Brushes, Automobile Cleaning Brushes Made With Twisted Wire and Wood Blocks, Glue Brushes, Horse Brushes, Brushes Made of Steel Wire for Removing Paint, Rust, etc.; Whisk Brooms Made of Broomcorn, Brushes for Washing Windows, Wall Brushes, Brushes for Sweeping and Cleaning Industrial Plants, Paper-Hangers' Paste Brushes, Paper-Hangers' Smoothers, Plaster Brushes, Painters' Dust Brushes, Round and Flat; Calcimine Brushes, Marking Brushes, Lacquering Brushes, Striping Brushes, Stencil Brushes, Whitewash Brushes, Hat Brushes, Shaving Brushes, Corn Brooms for Household and Factory, Brooms of Corn and Fibers for Factories, Brooms Made of All Fiber for Factories.
*Claims use* since October, 1907.

206,340. (CLASS 2. RECEPTACLES.) HAMMOND BAG & PAPER CO., Wellsburg, W. Va. Filed Mar. 19, 1925. Serial No. 211,269.

HAMMOND Better-bags

*Particular description of goods.*—Paper Bags.
*Claims use* since Jan. 21, 1924.

206,341. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, near Chemnitz, Germany. Filed Nov. 8, 1924. Serial No. 205,041.

Continental

*Particular description of goods.*—Typewriters, Typewriter-Copy-Holder Attachments for Typewriters, Typewriters in Combination With Adding and Calculating Machines, Envelope Filling and Sealing Machines, Address-Printing Machines, Manifold Writing Machines Using Type, Typewriters Combined With Envelope-Feeding Devices, Copying Machines Using Type, Ribbon-Winding Machines, Ribbon-Inking Machines, Flat-Impression Type Machines, and Parts of Any and All of the Above Machines and Devices.
*Claims use* since January, 1903.

206,342. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Oct. 20, 1924. Serial No. 204,144.

PETITE

*Particular description of goods.*—Hard-Rubber Combs.
*Claims use* since June, 1924.

206,343. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BING CORPORATION, New York, N. Y. Filed Aug. 23, 1924. Serial No. 201,798.

BING

*Particular description of goods.*—Catalogues Published from Time to Time.
*Claims use* since November, 1919.

206,344. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE MOTO-MOWER COMPANY, Detroit, Mich. Filed Dec. 8, 1924. Serial No. 206,188.

CITY MODEL

*Particular description of goods.*—Lawn Mowers.
*Claims use* since September, 1924.

# TRADE-MARK REGISTRATIONS RENEWED

46,025. FLAVORING EXTRACTS. Registered September 5, 1905. JOHN E. FOWLER, Richmond, Va. Renewed September 5, 1925, to John E. Fowler, Rosslyn, Va.

46,162. ELECTRIC CONDUCTORS. Registered September 5, 1905. THE OKONITE COMPANY, LIMITED, New York, N. Y. Renewed September 5, 1925, to The Okonite Company, Passaic, N. J., a Corporation of New Jersey, assignee.

46,596. LINEN COLLARS AND CUFFS. Registered September 26, 1905. CORLISS, COON & CO., New York, N. Y. Renewed September 26, 1925, to Corliss, Coon & Co. Inc., Troy, N. Y., a Corporation of New York, assignee.

46,866. CARDIAC TONICS AND REMEDIES FOR HEART DISEASES. Registered October 10, 1905. SULTAN DRUG CO., St. Louis, Mo., a Corporation of Missouri. Renewed October 10, 1925.

46,924. GELATIN. Registered October 17, 1905. SAMUEL S. KINGERY. Renewed October 17, 1925, to Kingery Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio, successor.

46,945. A LIVER REGULATOR AND BLOOD PURIFIER. Registered October 17, 1905. GEORGE M. UPTON, Bolivar, Mo. Renewed October 17, 1925, to Frank Lightfoot, St. Louis, Mo., successor.

46,966. NAIL PULLERS. Registered October 17, 1905. SMITH & HEMENWAY COMPANY, Utica and New York, N. Y. Renewed October 17, 1925, to Smith & Hemenway Company, Inc., Irvington, N. J., and New York, N. Y., assignee.

47,013. ENVELOPES. Registered October 17, 1905. SAMUEL CUPPLES ENVELOPE CO., St. Louis, Mo., a Corporation of Missouri. Renewed October 17, 1925.

47,472. A PREPARATION FOR COLORING BUTTER. Registered November 7, 1905. MONROE DRUG CO., Unionville, Mo. Renewed November 7, 1925, to Monroe Drug Co., Quincy, Ill., a Corporation of Illinois, assignee.

47,543. CHANDELIERS AND BRACKETS. Registered November 7, 1905. MCKENNY & WATERBURY COMPANY, Boston, Mass., a Corporation of Maine. Renewed November 7, 1925.

47,775. HATS AND CAPS. Registered November 21, 1905. JOHN B. STETSON COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed November 21, 1925.

47,799. STARCH. Registered November 21, 1905. E. R. DURKEE & CO., New York, N. Y. Renewed November 21, 1925, to E. R. Durkee & Co., Elmhurst, N. Y.

47,800. STARCH. Registered November 21, 1905. E. R. DURKEE & CO., New York, N. Y. Renewed November 21, 1925, to E. R. Durkee & Co., Elmhurst, N. Y.

47,848. PLUG-CUT, PLUG, AND SMOKING TOBACCO. Registered November 28, 1905. JOSEPH G. DILL, INC., Richmond, Va. Renewed November 28, 1925, to J. G. Dill Company, Incorporated, Richmond, Va., and New York, N. Y., a Corporation of Virginia, successor.

47,977. LEATHER. Registered December 5, 1905. W. D. BYRON & SONS, Williamsport, Md. Renewed December 5, 1925, to W. D. Byron & Sons, Inc., Mercersburg, Pa., a Corporation of Pennsylvania, successor.

48,168. CHAINS AND LOCKETS. Registered December 12, 1905. THE BASSETT JEWELRY COMPANY, Providence, R. I., a Corporation of New Jersey. Renewed December 12, 1925.

48,237. MINERAL SPRING WATER. Registered December 19, 1905. THE MANITOU MINERAL SPRINGS COMPANY. Renewed December 19, 1925, to Manitou Mineral Water Company, Manitou, Colo., a Corporation of Colorado, assignee.

48,250. SHEET AND PICTURE GLASS. Registered December 19, 1905. SIMON BACHE & COMPANY, New York, N. Y., a Corporation of New York. Renewed December 19, 1925.

48,453. SAWS. Registered January 2, 1906. E. C. ATKINS & COMPANY, Indianapolis, Ind.; New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; Minneapolis, Minn.; Portland, Oreg.; Seattle, Wash.; San Francisco, Calif.; Chicago, Ill.; and Toronto, Canada. Renewed January 2, 1926, to E. C. Atkins & Company, Indianapolis, Ind., a Corporation of Indiana.

48,652. KNIT UNDERWEAR AND HOSIERY. Registered January 9, 1906. CHAS. A. STEVENS & BROS., Chicago, Ill., a Corporation of Illinois. Renewed January 9, 1926.

48,777. WICKS, WEBS, AND WEBBING. Registered January 16, 1906. FLETCHER MANUFACTURING COMPANY. Renewed January 16, 1926, to International Braid Company, Providence, R. I., a Corporation of Massachusetts, assignee.

48,778. PREPARATIONS FOR CLEANING, POLISHING, AND PRESERVING. Registered January 16, 1906. FRITZ SCHULZ JUN., AKTIENGESELLSCHAFT, Leipzig, Germany, and Lincoln, N. J. Renewed January 16, 1926, to Fritz Schulz Jun., Aktiengesellschaft, Leipzig, Germany, a Corporation of Germany.

48,817. CLEANING AND POLISHING PREPARATIONS. Registered January 16, 1906. FRITZ SCHULZ JUN. AKTIENGESELLSCHAFT, Leipzig, Germany, and Lincoln, N. J. Renewed January 16, 1926, to Fritz Schulz Jun. Aktiengesellschaft, Leipzig, Germany, a Corporation of Germany.

48,830. CIGARS. Registered January 16, 1906. S. S. PIERCE CO., Boston, Mass., a Corporation of Massachusetts. Renewed January 16, 1926.

48,944. CASTOR OIL. Registered January 16, 1906. THE BAKER CASTOR OIL COMPANY, New York, N. Y. Renewed January 16, 1926, to The Baker Castor Oil Company, Jersey City, N. J., and New York, N. Y.

48,976. STRAW HATS. Registered January 16, 1906. BRIGHAM-HOPKINS COMPANY, Baltimore, Md., a Corporation of Maryland. Renewed January 16, 1926.

49,042. VARNISHES AND JAPANS. Registered January 23, 1906. MAYER & LOEWENSTEIN. Renewed January 23, 1926, to Mayer & Loewenstein, New York, N. Y., a Corporation of New York, successor.

49,157. CHOCOLATE. Registered January 23, 1906. KNICKERBOCKER CHOCOLATE COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed January 23, 1926.

49,171. NATURAL MINERAL WATER. Registered January 23, 1906. THE MANITOU MINERAL SPRINGS COMPANY. Renewed January 23, 1926, to Manitou Mineral Water Company, Manitou, Colo., a Corporation of Colorado, assignee.

49,187. BRAIDS, BINDINGS, AND TRIMMINGS. Registered January 30, 1906. FLETCHER MANUFACTURING COMPANY. Renewed January 30, 1926, to International Braid Company, Providence, R. I., a Corporation of Massachusetts, assignee.

49,279. PLASTERS. Registered January 30, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a Corporation of New Jersey. Renewed January 30, 1926.

49,280. PLASTERS. Registered January 30, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a Corporation of New Jersey. Renewed January 30, 1926.

49,281. MEMBRANES. Registered January 30, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a Corporation of New Jersey. Renewed January 30, 1926.





49,282. SURGICAL DRESSINGS. Registered January 30, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a Corporation of New Jersey. Renewed January 30, 1926.

49,338. SILVER-PLATED HOLLOW WARE. Registered January 30, 1906. INTERNATIONAL SILVER COMPANY, Meriden, Conn., a Corporation of New Jersey. Renewed January 30, 1926.

49,339. SILVER-PLATED HOLLOW WARE. Registered January 30, 1906. INTERNATIONAL SILVER COMPANY, Meriden, Conn., a Corporation of New Jersey. Renewed January 30, 1926.

49,340. SILVER-PLATED HOLLOW WARE. Registered January 30, 1906. INTERNATIONAL SILVER COMPANY, Meriden, Conn., a Corporation of New Jersey. Renewed January 30, 1926.

49,341. SILVER-PLATED HOLLOW WARE. Registered January 30, 1906. INTERNATIONAL SILVER COMPANY, Meriden, Conn., a Corporation of New Jersey. Renewed January 30, 1926.

49,343. CHOCOLATE AND COCOA. Registered January 30, 1906. KNICKERBOCKER CHOCOLATE COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed January 30, 1926.

49,349. LOCKS AND KEYS. Registered January 30, 1906. RUSSELL & ERWIN MANUFACTURING COMPANY. Renewed January 30, 1926, to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut, assignee.

49,380. PLASTERS. Registered February 6, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a Corporation of New Jersey. Renewed February 6, 1926.

49,381. SOAP. Registered February 6, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a Corporation of New Jersey. Renewed February 6, 1926.

49,382. FILES AND RASPS. Registered February 6, 1906. KEARNEY & FOOT COMPANY, Paterson, N. J., a Corporation of New Jersey. Renewed February 6, 1926.

49,391. CIGARS. Registered February 6, 1906. S. S. PIERCE CO., Boston, Mass., a Corporation of Massachusetts. Renewed February 6, 1926.

49,392. CIGARS. Registered February 6, 1906. S. S. PIERCE CO., Boston, Mass., a Corporation of Massachusetts. Renewed February 6, 1926.

49,469. SAWS OF ALL KINDS. Registered February 6, 1906. E. C. ATKINS & COMPANY, Indianapolis, Ind.; New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; Minneapolis, Minn.; Portland, Oreg.; Seattle, Wash.; San Francisco, Calif.; Chicago, Ill.; and Toronto, Canada. Renewed February 6, 1926, to E. C. Atkins & Company, Indianapolis, Ind., a Corporation of Indiana.

49,483. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered February 6, 1906. PHILADELPHIA WATCH CASE CO., Riverside, N. J. Renewed February 6, 1926, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successor.

49,486. CANDY. Registered February 6, 1906. REYMER BROTHERS INCORPORATED, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed February 6, 1926.

49,500. GUN AND PISTOL CARTRIDGES AND PARTS THEREOF. Registered February 6, 1906. THE UNION METALLIC CARTRIDGE COMPANY, Bridgeport, Conn. Renewed February 6, 1926, to Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y., a Corporation of Delaware, assignee.

49,538. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered February 6, 1906. PHILADELPHIA WATCH CASE CO., Riverside, N. J. Renewed February 6, 1926, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successor.

49,562. REMEDY FOR CERTAIN NAMED DISEASES. Registered February 13, 1906. CUSHMAN DRUG CO. Renewed February 13, 1926, to Thomas H. Adams, doing business as Cushman Drug Co., Vincennes, Ind.

49,587. AN ALLOY FOR BEARING METAL. Registered February 13, 1906. FRICTIONLESS METAL COMPANY, Richmond, Va. Renewed February 13, 1926, to Frictionless Metal Company, St. Louis, Mo., a Corporation of Tennessee.

49,738. LEATHER. Registered February 13, 1906. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed February 13, 1926.

49,739. LEATHER. Registered February 13, 1906. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed February 13, 1926.

49,744. HOOKS AND EYES. Registered February 13, 1906. THE STAR PIN COMPANY, Shelton, Conn., a Corporation of Connecticut. Renewed February 13, 1926.

49,769. SILVER-PLATED HOLLOW WARE. Registered February 13, 1906. INTERNATIONAL SILVER COMPANY, Meriden, Conn., a Corporation of New Jersey. Renewed February 13, 1926.

49,825. SILVER-PLATED HOLLOW WARE. Registered February 20, 1906. INTERNATIONAL SILVER COMPANY, Meriden, Conn., a Corporation of New Jersey. Renewed February 20, 1926.

49,826. SILVER-PLATED HOLLOW WARE. Registered February 20, 1906. INTERNATIONAL SILVER COMPANY, Meriden, Conn., a Corporation of New Jersey. Renewed February 20, 1926.

49,848. SHAKING BOLTS. Registered February 20, 1906. BARNARD & LEAS MANUFACTURING COMPANY, Moline, Ill., a Corporation of Illinois. Renewed February 20, 1926.

49,855. SOCKET BUSHINGS FOR ELECTRIC FIXTURES. Registered February 20, 1906. FRANK H. STEWART ELECTRIC COMPANY, Philadelphia, Pa. Renewed February 20, 1926, to Harvey Hubbell, Incorporated, Bridgeport, Conn., a Corporation of Connecticut, assignee.

49,863. PAINTING, STAINING, AND GRAINING OIL. Registered February 20, 1906. JAMES B. SIPE & CO., Allegheny, Pa. Renewed February 20, 1926, to James B. Sipe & Co., Pittsburgh, Pa., a Corporation of Pennsylvania.

49,876. INSULATING COMPOUND. Registered February 20, 1906. STANDARD UNDERGROUND CABLE COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed February 20, 1926.

49,879. METAL FORGING AND FORMING MACHINES. Registered February 20, 1906. THE AJAX MANUFACTURING COMPANY, Cleveland, Ohio. Renewed February 20, 1926, to The Ajax Manufacturing Company, Euclid, Ohio, a Corporation of Ohio.

49,897. COOKSTOVES, HEATING STOVES, AND RANGES. Registered February 20, 1906. A. BALDWIN & CO. LTD., New Orleans, La., a Corporation of Louisiana. Renewed February 20, 1926.

49,902. BAKING POWDER. Registered February 20, 1906. HULMAN & CO., Terre Haute, Ind., a Corporation of Indiana. Renewed February 20, 1926.

49,913. CANDY. Registered February 20, 1906. POSTUM CEREAL CO., LIMITED, Battle Creek, Mich. Renewed February 20, 1926, to Postum Cereal Company, Incorporated, Battle Creek, Mich., and New York, N. Y., a Corporation of Delaware, assignee.

49,921. TWIST DRILLS. Registered February 20, 1906. THE STANDARD TOOL COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed February 20, 1926.

49,922. MILLING CUTTERS. Registered February 20, 1906. THE STANDARD TOOL COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed February 20, 1926.

49,982. REAMERS. Registered February 27, 1906. THE STANDARD TOOL COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed February 27, 1926.

49,983. TAPS. Registered February 27, 1906. THE STANDARD TOOL COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed February 27, 1926.

50,029. HOOF DRESSING. Registered February 27, 1906. WILBUR F. YOUNG. Renewed February 27, 1926, to W. F. Young, Inc., Springfield, Mass., a Corporation of Massachusetts, successor.

50,066. LIQUID DRESSING FOR BOOTS AND SHOES. Registered March 6, 1906. C. L. HAUTHAWAY & SONS, INCORPORATED, Portland, Me., and Boston, Mass. Renewed March 6, 1926, to C. L. Hauthaway & Sons, Inc., Boston, Mass., a Corporation of Massachusetts, assignee.

50,086. CIGARS. Registered March 6, 1906. PAUL E. WATSON, Salisbury, Md. Renewed March 6, 1926.

50,129. LEATHER BOOTS AND SHOES. Registered March 6, 1906. F. MAYER BOOT & SHOE CO., Milwaukee, Wis., a Corporation of Wisconsin. Renewed March 6, 1926.

50,216. YARNS OF ALL DESCRIPTIONS. Registered March 6, 1906. WM. H. HORSTMANN COMPANY, Philadelphia, Pa.; New York, N. Y.; Boston, Mass.; Baltimore, Md.; Detroit, Mich.; and Paris and Lyon, France. Renewed March 6, 1926, to Wm. H. Horstmann Company, Philadelphia, Pa., a Corporation of Pennsylvania.

50,234. PULL SOCKETS. Registered March 6, 1906. HARVEY HUBBELL, INCORPORATED, Bridgeport, Conn., a Corporation of Connecticut. Renewed March 6, 1926.

50,287. MEDICINE FOR CERTAIN NAMED DISEASES. Registered March 6, 1906. HORACE OLIVER HURLEY. Renewed March 6, 1926, to H. O. Hurley Company, Louisville, Ky., a Corporation of Kentucky, successor.

50,290. YEAST POWDER. Registered March 6, 1906. RUMFORD CHEMICAL WORKS, Providence, R. I., a Corporation of Rhode Island. Renewed March 6, 1926.

50,407. ALE. Registered March 13, 1906. C. H. EVANS & SONS, Hudson, N. Y., a Corporation of New York. Renewed March 13, 1926.

50,446. COFFEE. Registered March 20, 1906. NEW ORLEANS COFFEE CO. LTD., New Orleans, La., a Corporation of Louisiana. Renewed March 20, 1926.

50,462. ELECTRIC-CONDUIT FITTINGS. Registered March 20, 1906. CROUSE-HINDS COMPANY, Syracuse, N. Y., a Corporation of New York. Renewed March 20, 1926.

50,463. ELECTRIC-CONDUIT FITTINGS. Registered March 20, 1906. CROUSE-HINDS COMPANY, Syracuse, N. Y., a Corporation of New York. Renewed March 20, 1926.

50,469. FLAVORING EXTRACTS. Registered March 20, 1906. JOSEPH BURNETT CO., Boston, Mass., a Corporation of Massachusetts. Renewed March 20, 1926.

50,540. BANJO HEADS AND DRUMHEADS. Registered March 20, 1906. DUPLEX MANUFACTURING COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed March 20, 1926.

50,550. WRITING PAPER. Registered March 20, 1906. LOUIS A. LEHMAIER, New York, N. Y. Renewed March 20, 1926.

# LABELS

## REGISTERED NOVEMBER 24, 1925.

29,521.—*Title:* WINDOBRITE. For a Polish. G. W. ALLEN CO., Tacoma, Wash. Published July 1, 1925.

29,522.—*Title:* AURINE. For Ear Remedy. AURINE REMEDY CO., Chicago, Ill. Published October 16, 1925.

29,523.—*Title:* OLD GLORY MALT SYRUP. For Malt Sirup. ROY BONNET, Akron, Ohio. Published August 27, 1925.

29,524.—*Title:* CELERY PHOS. For Nonalcoholic Drink. JAS. W. BOURKE, Baltimore, Md. Published October 24, 1925.

29,525.—*Title:* BLUE RIDGE BRAND. For Apples. KATIE E. BOYD, Roseland, Va. Published September 1, 1925.

29,526.—*Title:* GRAY-APES. For Fresh Grapes. F. W. BREWSTER, Bakersfield, Calif. Published September 30, 1925.

29,527.—*Title:* ROYAL ORIGINAL FLAVORED TOOTHPICKS. For Toothpicks. MANUEL NORIEGA CASTRO, San Antonio, Tex. Published August 21, 1925.

29,528.—*Title:* PALO VERDE. For Grapes. JOACHIM P. CIRESE, doing business as Cirese Bros. & Co., Chicago, Ill. Published October 1, 1925.

29,529.—*Title:* RIPE-FRU. For Orange Juice. CITRUS PRODUCTS CORPORATION, Los Angeles, Calif. Published December 15, 1924.

29,530.—*Title:* CONSTANS. For Canned Peas. CONSUMERS WHOLESALE SUPPLY CO., Minneapolis, Minn. Published September 18, 1925.

29,531.—*Title:* BLUE JAY. For Hosiery. DAVENPORT BROS., Chattanooga, Tenn. Published September 15, 1925.

29,532.—*Title:* SILVER STATE. For Fresh Melons. C. H. DE MONTEMAR, Crowley, Colo. Published September 11, 1925.

29,533.—*Title:* SILVER MOSS TINSEL. For Christmas-Tree Decoration. DOUGLAS MANUFACTURING COMPANY, Kansas City, Mo. Published July 5, 1924.

29,534.—*Title:* SILVER MOSS TINSEL. For Christmas-Tree Decoration. DOUGLAS MANUFACTURING COMPANY, Kansas City, Mo. Published July 5, 1924.

29,535.—*Title:* EPTO. For Drugs, Medicines, and Medicinal Products. HARRY EPSTEIN, Milwaukee, Wis. Published October 1, 1924.

29,536.—*Title:* HEART OF THE HOME. For Soft-Water Generators. FORT WAYNE ENGINEERING & MANUFACTURING CO., Fort Wayne, Ind. Published July 15, 1925.

29,537.—*Title:* SPARE RIM TIRE CARRIER SPARE DISC WHEEL CARRIER. For Padlocks. THE E. T. FRAIM LOCK CO., Lancaster, Pa. Published May 1, 1925.

29,538.—*Title:* MOROSAN. For Moth Balls. FULLER-MORRISSON COMPANY, Chicago, Ill. Published February 15, 1925.

29,539.—*Title:* GILMORE GASOLINE MONARCH OF ALL. For Gasoline. GILMORE OIL COMPANY, Los Angeles, Calif. Published August 26, 1925.

29,540.—*Title:* BRED SPRED. For Preparation of Fruit and Sugar Similar To Preserves, but Made with an Apple Base in Addition to the Flavoring Fruit. GLASER, CRANDELL CO., Chicago, Ill. Published October 22, 1925.



29,541.—*Title:* LACQ. For Lacqueroid. THE GLIDDEN COMPANY, Cleveland, Ohio. Published August 20, 1925.

29,542.—*Title:* YA-LO THE FOOTBALL CARD GAME. For Game. EARL J. GRABER, Columbus, Ohio. Published October 9, 1925.

29,543.—*Title:* BRILLIANT X. For Ammonia. CHARLES W. GUILMETTE, doing business as The Guilmette Manufacturing Co., Dover, N. H. Published March 15, 1925.

29,544.—*Title:* JAPANESE. For Finger-Nail Polish. ABE HARRIS, Dallas, Tex. Published February 4, 1925.

29,545.—*Title:* PICKWICK HOSE. For Hose and Hosiery. EDWARD HEATHCOTE, New York, N. Y. Published October 1, 1925.

29,546.—*Title:* WEYMOUTH. For Sheets and Pillowcases. THE HIGBEE COMPANY, Cleveland, Ohio. Published September 1, 1925.

29,547.—*Title:* MILL. For Asparagus. JAMES W. HOLLENBECK, Clarksburg, Calif. Published April 14, 1925.

29,548.—*Title:* DIAMOND H GRAIN BAG. For Burlap Bags. RICHARD C. HYLAND, doing business as Hyland Bag Co., San Francisco, Calif. Published August 29, 1925.

29,549.—*Title:* DAIRY MAID. For Butter. ALFRED W. MADSEN, Joliet, Ill. Published August 14, 1925.

29,550.—*Title:* SAN ALTO. For Cigars. MASTER CIGAR COMPANY, INC., Chicago, Ill. Published May 25, 1925.

29,551.—*Title:* PORTAGE SUPERIOR ICE CREAM. For Ice Cream. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The Portage Dairy Products Company, Ravenna, Ohio. Published May 19, 1925.

29,552.—*Title:* DELICIOUS. For Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Johnson's Bakery, De Ridder, La. Published October 8, 1925.

29,553.—*Title:* KIEL FANCY CREAMERY BUTTER. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Kiel Dairy Products Company, Kiel, Wis. Published October 6, 1925.

29,554.—*Title:* EVEREADY PYRAMIDS AUTOMOTIVE BRUSHES. For Brushes for Electrical Machines. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published July 1, 1925.

29,555.—*Title:* RIVER SHANNON. For Soft Drink. O'MY BOTTLING SYRUP CO., also doing business as The O-My Bottling Co., Los Angeles, Calif. Published April 2, 1925.

29,556.—*Title:* CALIFORNIA PURE BARLEY MALT EXTRACT. For Malt Extract. SAM PAGNI, Bridgeport, Conn. Published August 1, 1925.

29,557.—*Title:* WILD CHERRY HONEY. For A Medicinal Preparation. S. PFEIFFER MFG. CO., St. Louis, Mo. Published August 24, 1925.

29,558.—*Title:* YELLOW HAMMER. For Canned Apricots. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published August 12, 1925.

29,559.—*Title:* HEMCO PULL CORD ATTACHMENT PLUGS. For Attachment Plugs. GEORGE RICHARDS & COMPANY, Chicago, Ill. Published September 15, 1925.

29,560.—*Title:* THOMPSON'S COLD, GRIP AND FEVER TABLETS. For Cold Tablets. EDWARD B. THOMPSON, Spokane, Wash. Published September 9, 1925.

29,561.—*Title:* SHARI. For Beauty Cream. UNITED DRUG COMPANY, doing business as Langlois, New York, Boston, Mass. Published September 24, 1925.

29,562.—*Title:* WASHBURN'S PANCAKE FLOUR. For Pancake Flour. WASHBURN CROSBY COMPANY, Minneapolis, Minn. Published August 27, 1925.

29,563.—*Title:* BUCKY HARRIS. For Candy Bar. WILKES-BARRE MAID CANDY COMPANY, INC., Wilkes-Barre, Pa. Published April 2, 1925.

29,564.—*Title:* UNCLE WIGGILY SERIES. For Phonograph Records. FRED A. WISH, INC., New York, N. Y. Published July 1, 1925.

29,565.—*Title:* ROSA CENTIFOLIA. For Perfumes. FRANK WOLF, Brooklyn, N. Y. Published February 15, 1925.

29,566.—*Title:* THIS WOOSTER BRUSH. For Brushes. THE WOOSTER BRUSH COMPANY, Wooster, Ohio. Published August 14, 1925.

# PRINTS

## REGISTERED NOVEMBER 24, 1925.

8,371.—*Title:* ASCO COFFEE. For Coffee. AMERICAN STORES COMPANY, Philadelphia, Pa. Published December 31, 1924.

8,372.—*Title:* YES! BANANAS THE BODY BUILDER. For Bananas. BAUERLEIN, INCORPORATED, New Orleans, La. Published October 1, 1925.

8,373.—*Title:* CREAM OF COAL-COKE. For Coal and Coke. JAMES C. BERANEK, doing business as Douglas Coal Co., Chicago, Ill. Published September 5, 1925.

8,374.—*Title:* DOWNS WAS DESIGNED FOR THE KIND OF MAN WHO LIKES TO WEAR WELL-FITTING CLOTHES. For Collars. Cluett, Peabody & Co., Troy, N. Y. Published October 12, 1925.

8,375.—*Title:* LONG LIFE LINE. For Hosiery. CONRAD & Co. INC., Boston, Mass. Published May 10, 1925.

8,376.—*Title:* ROGER BABSON TELLS WHAT PROPER DIET AND OUTDOOR LIFE HAS DONE FOR HIM. For Wheat Breakfast Food. CREAM OF WHEAT Co., Minneapolis, Minn. Published August 20, 1925.

8,377.—*Title:* SPECIAL U. S. MAIL BOX STOCK DESIGN 2950. For Mail Boxes and Chutes. CUTLER MAIL CHUTE COMPANY, Rochester, N. Y. Published August 14, 1925.

8,378.—*Title:* IT ISN'T A "LINO" UNLESS IT'S A GUNN. For Furniture. THE GUNN FURNITURE COMPANY, Grand Rapids, Mich. Published July 1, 1925.

8,379.—*Title:* HEINZ INDIA RELISH WITH THE ACCENT ON THE RELISH. For India Relish. H. J. Heinz Co., Pittsburgh, Pa. Published September 19, 1925.

8,380.—*Title:* PLAY A HOHNER HARMONICA. For Harmonicas. M. HOHNER, INC., New York, N. Y. Published August 18, 1925.

8,381.—*Title:* MERCHANDIZING HELPS JANTZEN—THE COAT TO WEAR ANYWHERE. For Knitted Coats. JANTZEN KNITTING MILLS, Portland, Oreg. Published August 27, 1925.

8,382.—*Title:* THE BANQUETS CLIMAX. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 29, 1925.

8,383.—*Title:* A MASTERPIECE OF CONFECTION. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 29, 1925.

8,384.—*Title:* FAIRY QUEEN. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 29, 1925.

8,385.—*Title:* BOY AND GIRL CHASING RAINBOW. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 29, 1925.

8,386.—*Title:* MANY FLAVORS FROSTIE. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 29, 1925.

8,387.—*Title:* THE STRAWBERRY FROSTIE. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 29, 1925.

8,388.—*Title:* A DESSERT FOR ROYALTY. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Filed September 29, 1925.

8,389.—*Title:* THREE BOTTLE CARD. For Milk. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published January 2, 1925.

8,390.—*Title:* AN ALL-DAY CONE. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published October 12, 1925.

8,391.—*Title:* A TOPPING DELIGHT. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published October 12, 1925.

8,392.—*Title:* HERE IT IS! JACKIE'S BOW A TIE FOR REGULAR FELLOWS. For Boys' Bow Ties. H. & M. NECKWEAR Co., New York, N. Y. Published August 15, 1925.

8,393.—*Title:* YANKEE TOOLS. For Mechanics' Tools. NORTH BRO'S M'F'G Co., Philadelphia, Pa. Published September 10, 1925.

8,394.—*Title:* BERMUDA. For Onions. PRICE BROS., St. Joseph, Mo. Published August 5, 1925.

8,395.—*Title:* EVERY DAY IS SWEETHEART DAY SAY IT WITH CANDY IT'S SWEETER. For Candy. EDGAR K. SPERTNER, doing business as Spertner Novel-Ad Company, Detroit, Mich. Published August 19, 1925.

8,396.—*Title:* YOUR BEAUTY DEPENDS ON. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 24, 1925.

8,397.—*Title:* SMOKERS WHO USE SQUIBB'S DENTAL CREAM. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 17, 1925.

8,398.—*Title:* YOUR SMILE. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 17, 1925.

8,399.—*Title:* WHAT HAPPENS AT THE DANGER LINE EVERY TIME YOU EAT. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published April 1, 1925.

8,400.—*Title:* THREE YEARS AGO. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 26, 1925.

8,401.—*Title:* ASK HIM. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published March 19, 1925.

8,402.—*Title:* BETWEEN THE TEETH. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published March 3, 1925.

8,403.—*Title:* LABORATORY TESTS HAVE PROVED THAT. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 31, 1925.

8,404.—*Title:* INJURY OR DISEASE OF THE GUMS. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published April 16, 1925.

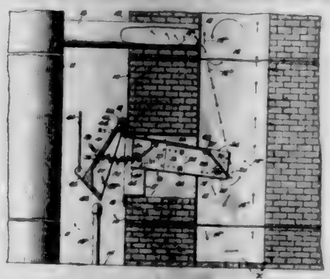
8,405.—*Title:* IF GARTERS WERE WORN AROUND THE NECK YOU'D CHANGE THEM FREQUENTLY. For Garters. A. STEIN & COMPANY, Chicago, Ill. Published July 31, 1925.



# REISSUES

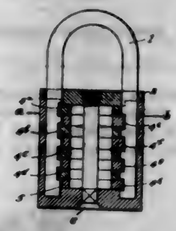
## NOVEMBER 24, 1925.

16,214. FUEL-SAVING DEVICE. ARTHUR H. STURGES, Omaha, Nebr. Filed Feb. 18, 1925. Serial No. 10,156. Original No. 1,503,387, dated July 29, 1924, Serial No. 701,503, filed Mar. 24, 1924. 16 Claims. (Cl. 126—285.)



13. In a fuel saver for a chimney having an opening for a smoke pipe, a second opening below the first named opening, and a mixing chamber below the second opening, and an inclined deflecting-plate in the flue of the chimney in the horizontal plane of the second opening.

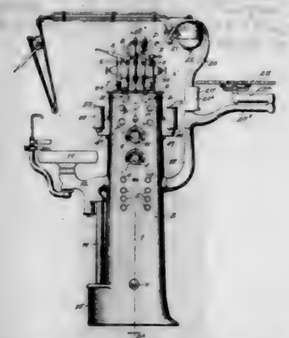
16,215. COMBINATION LOCK. ERNEST TOBLER, Brunswick, Germany, assignor, by mesne assignments, to The Defender Lock Co., Inc. Filed Aug. 14, 1925. Serial No. 50,310. Original No. 1,502,411, dated July 22, 1924, Serial No. 598,648, filed Nov. 22, 1922. 10 Claims. (Cl. 70—113.)



1. A combination padlock of the character described, comprising a U-shaped shackle having notched limbs, the notches of one limb being staggered relative to those of the other limb, a casing having bores in which to receive the limbs of the shackle, and a plurality of superposed rings arranged rotatably in said casing so as to encroach on the bores and engage the notches of the shackle limbs, each ring having an elongated notch which registers with the full portion of one limb so as to allow a partial rotation of the ring through the notch in the opposite shackle limb, the ring having also a notch which, in one end position of the ring, registers with said latter limb so as to allow the shackle to move.

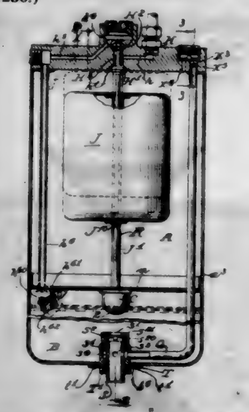
16,216. UNITARY DENTAL APPARATUS. OSCAR H. PIEPER and ALPHONSE F. PIEPER, Rochester, N. Y. Filed Sept. 17, 1925. Serial No. 57,013. Original No. 1,376,356, dated Apr. 26, 1921, Serial No. 189,825, filed Sept. 5, 1917. 16 Claims. (Cl. 32—5.)

1. An assembled dental apparatus, comprising a hollow column, a plurality of mouth instruments located above the column each having an electric device, separate cord circuits for said devices looped within the column and having means for yieldingly retracting them, a voltage control device mounted within the column having circuit



connections with said cords, and operating means for said voltage control device extending exteriorly of the column below the mouth instruments.

16,217. VACUUM FUEL-FEEDING DEVICE FOR INTERNAL-COMBUSTION ENGINES AND THE LIKE. CHARLES S. BURTON, Oak Park, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Feb. 26, 1925. Serial No. 11,392. Original No. 1,439,689, dated Dec. 26, 1922, Serial No. 545,658, filed Mar. 22, 1922. 12 Claims. (Cl. 103—236.)



1. A vacuum fuel feeding device comprising a receiving chamber and a delivery chamber, the receiving chamber having a restricted air inlet; a duct connecting the upper part of the two chambers; a suction connection from said duct; valve seats in said duct respectively on the side of said suction connection toward and on the side thereof away from the receiving chamber; a valve device positioned for seating alternatively on one or the other of said seats, and means operated by change of level of the liquid in the delivery chamber for shifting the seating of said valve device from one seat to the other.

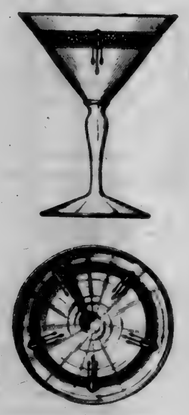
# DESIGNS

## NOVEMBER 24, 1925.

68,843. BUMPER. CHRISTIAN ANDERSON, Marysville, Calif., assignor of one-half to L. A. Morrison, Marysville, Calif. Filed June 22, 1921. Serial No. 479,655. Term of patent 7 years.

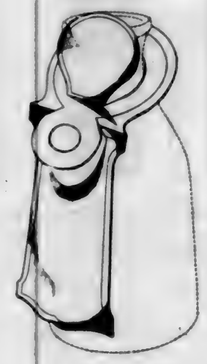
The ornamental design for a bumper, as shown.

68,844. SHERBET OR SIMILAR ARTICLE. JOSEPH BALDA, Newark, Ohio, assignor to A. H. Heisey & Co., Newark, Ohio. Filed May 8, 1920. Serial No. 379,986. Term of patent 3½ years.



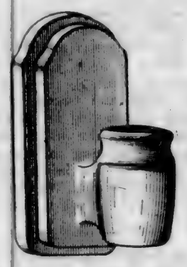
The ornamental design for a sherbet or similar article, substantially as shown.

68,845. ADVERTISING CARD. WILLIAM FRANCIS BARRY, Los Angeles, Calif. Filed Sept. 21, 1925. Serial No. 14,836. Term of patent 3½ years.



The ornamental design for an advertising card, as shown.

68,846. LIGHTING-FIXTURE BRACKET. HUGO BOHL, Westfield, N. J., assignor to The Efcolite Corporation, a Corporation of New York. Filed Sept. 11, 1925. Serial No. 14,752. Term of patent 7 years.



The ornamental design for a lighting fixture bracket, substantially as shown.

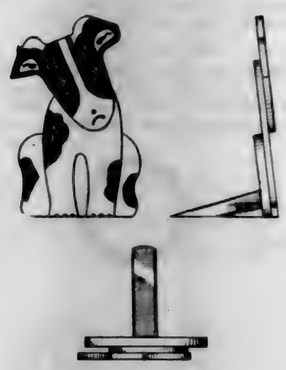




68,847. EMBLEMATIC PIN. NADEAU L. BOURGEAULT, San Francisco, Calif., assignor to Roos Bros., San Francisco, Calif., a Corporation of California. Filed June 22, 1925. Serial No. 13,860. Term of patent 3½ years.

The ornamental design for an emblematic pin, as shown.

68,848. DOORSTOP. PERRY J. BRADISH, Kansas City, Mo. Filed Aug. 28, 1925 Serial No. 14,627. Term of patent 7 years.

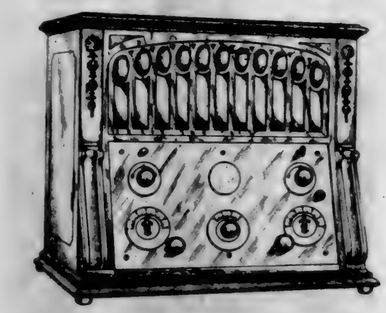


The ornamental design for a doorstep as shown.

68,849. OIL-DISPENSING CASING. HAROLD G. DAVIS, Denver, Colo. Filed July 13, 1925. Serial No. 14,070. Term of patent 14 years.

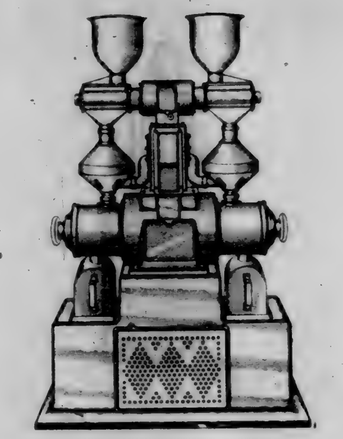
The ornamental design for an oil dispensing casing, as shown.

68,850. CABINET FOR RADIORECEIVERS. ROBERT C. EDWARDS, Elizabeth, N. J., assignor to Radio Corporation of America, a Corporation of Delaware. Filed July 19, 1924. Serial No. 10,193. Term of patent 14 years.



The ornamental design for a cabinet for radioreceivers as shown.

68,851. CASING FOR A COFFEE MILL. BERNARD M. ELY, Marshall, Mich., assignor to Lambert Machine Co., Marshall, Mich., a Corporation of Michigan. Filed May 28, 1925. Serial No. 13,583. Term of patent 14 years.



The ornamental design for a casing for a coffee mill, as shown.

68,852. PITCHER. DAVID FISHER, Paden City, W. Va., assignor to Paden City Glass Manufacturing Company, Paden City, W. Va., a Corporation of West Virginia. Filed Sept. 22, 1925. Serial No. 14,849. Term of patent 7 years.

The ornamental design for a pitcher as shown.

68,853. HAND-BAG FRAME. WOLF T. GOLDSMITH, Newark, N. J. Filed Sept. 11, 1925. Serial No. 14,754. Term of patent 3½ years.

The ornamental design for a hand bag frame, as shown.

68,854. COMBINED TELEPHONE SHIELD, PHONE DIRECTORY, AND CALENDAR. STASIA E. GORMICAN, Grand Rapids, Mich. Filed Sept. 2, 1925. Serial No. 14,696. Term of patent 3½ years.

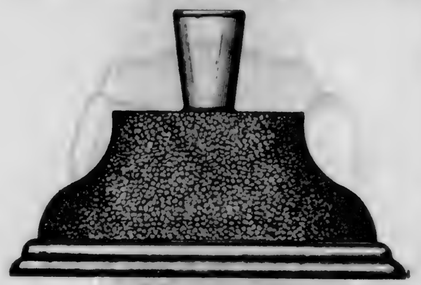
The ornamental design for a combined telephone shield, phone directory, and calendar, as shown.

68,855. FINGER RING. EDWARD J. GROSS, South Orange, N. J., assignor to Meyer & Gross, a Corporation of New Jersey. Filed Sept. 12, 1924. Serial No. 10,765. Term of patent 7 years.

The ornamental design for a finger ring, as shown.

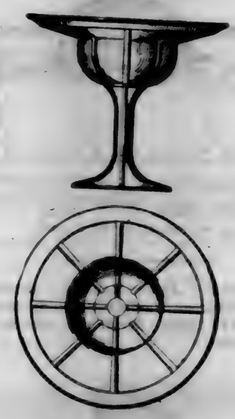


68,856. RADIO LOUD-SPEAKER BASE. ALEXANDER SANDOR HECHT, New York, N. Y. Filed Aug. 26, 1924. Serial No. 10,558. Term of patent 3½ years.



The ornamental design for a radio loud speaker base as shown.

68,857. FLORAL COMPOTIER. T. CLARENCE HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio. Filed Mar. 15, 1923. Serial No. 5,483. Term of patent 3½ years.



The ornamental design for a floral compotier or similar article, as shown.

68,858. BADGE. JOHN A. L. HAROLD, Richmond, Va., assignor to Independent and Beneficial Club, Incorporated, Richmond, Va., a Corporation of Virginia. Filed Sept. 4, 1925. Serial No. 14,709. Term of patent 3½ years.

The ornamental design for a badge, as shown.

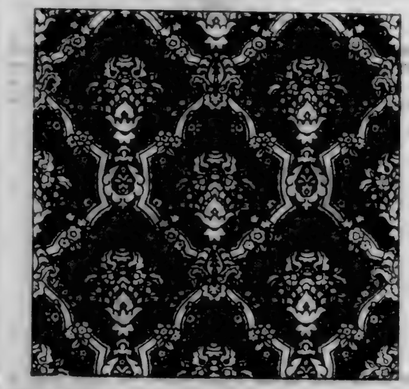
68,859. REFRIGERATOR. ANTON N. HORNUNG, Los Angeles, Calif. Filed Mar. 25, 1925. Serial No. 12,881. Term of patent 14 years.

The ornamental design for a refrigerator, as shown.

68,860. TEXTILE FABRIC. FRANK M. KAUFMAN, Philadelphia, Pa. Filed July 21, 1925. Serial No. 14,163. Term of patent 3½ years.

The ornamental design for a textile fabric, as shown.

68,861. TEXTILE FABRIC. FRANK M. KAUFMAN, Philadelphia, Pa. Filed July 31, 1925. Serial No. 14,287. Term of patent 3½ years.



The ornamental design for a textile fabric, as shown.

68,862. TEXTILE FABRIC. FRANK M. KAUFMAN, Philadelphia, Pa. Filed Aug. 4, 1925. Serial No. 14,317. Term of patent 3½ years.

The ornamental design for a textile fabric, as shown.

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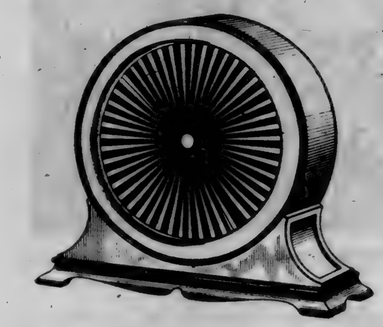
68,863. LOUD SPEAKER. WILLIAM D. LA RUE, Philadelphia, Pa., assignor to Victor Talking Machine Company, a Corporation of New Jersey. Filed Sept. 29, 1925. Serial No. 14,948. Term of patent 14 years.



The ornamental design for a loud speaker, as shown.

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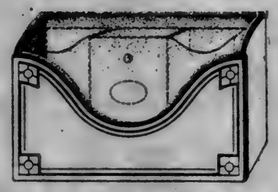
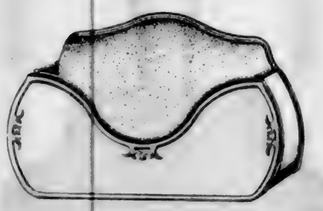
68,864. HOLDER FOR TOILET CASE OR SIMILAR ARTICLE. WILLIAM H. LESTER, Elgin, Ill., assignor to Elgin American Manufacturing Co., Elgin, Ill., a Corporation of Illinois. Filed Aug. 19, 1925. Serial No. 14,518. Term of patent 3½ years.



The ornamental design for a holder for toilet case or similar article, substantially as shown.

68,865. HOLDER FOR TOILET CASE OR SIMILAR ARTICLE. WILLIAM H. LESTER, Elgin, Ill., assignor to Elgin American Manufacturing Co., Elgin, Ill., a Corporation of Illinois. Filed Aug. 19, 1925. Serial No. 14,519. Term of patent 3½ years.



The ornamental design for a holder for toilet case or similar article, substantially as shown.

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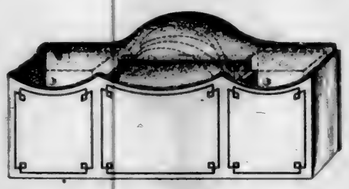
68,866. HOLDER FOR TOILET CASE OR SIMILAR ARTICLE. WILLIAM H. LESTER, Elgin, Ill., assignor to Elgin American Manufacturing Co., Elgin, Ill., a Corporation of Illinois. Filed Aug. 19, 1925. Serial No. 14,521. Term of patent 3½ years.



The ornamental design for a holder for toilet case or similar article, substantially as shown.

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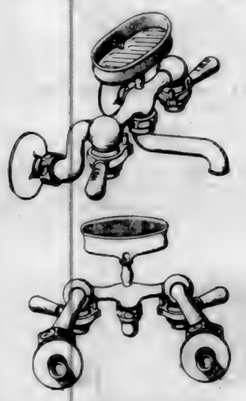
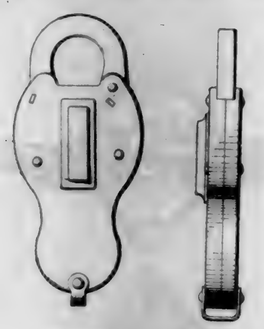
68,867. FAUCET. JOHN MACKAY, Audubon, N. J., assignor to Thomas Savill's Sons, Philadelphia, Pa. Filed July 14, 1925. Serial No. 14,082. Term of patent 14 years.



The ornamental design for a faucet, as shown.



68,868. PADLOCK. ERA A. MCCORMACK, Ridgefield Park, N. J., assignor to The Miller Lock Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 6, 1922. Serial No. 557. Term of patent 14 years.



The ornamental design for a padlock, substantially as shown.

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68,869. AUTOMOBILE BUMPER. CHRISTOPHER OFFENHAUSER, Philadelphia, Pa. Filed July 10, 1925. Serial No. 14,054. Term of patent 14 years.

The ornamental design for an automobile bumper, as shown.

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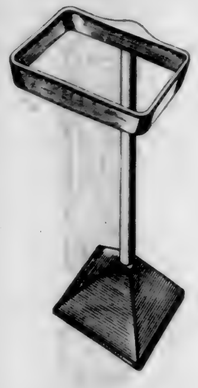
68,870. RADIATOR COVER. CHESTER M. POSTSCH, Chicago, Ill. Filed Feb. 14, 1925. Serial No. 12,886. Term of patent 14 years.

The ornamental design for a radiator cover, substantially as shown.

68,871. NAPKIN HOLDER. ARTHUR D. RICE, Cleveland, Ohio. Filed Sept. 10, 1924. Serial No. 10,729. Term of patent 14 years.



The ornamental design for a napkin holder, substantially as shown.

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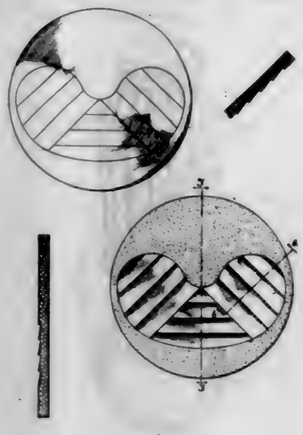
68,872. AUTOMOBILE LENS. OLIVER C. RITE WOLLER, Chicago, Ill. Filed Mar. 14, 1925. Serial No. 12,727. Term of patent 14 years.



The ornamental design for an automobile lens, as shown.

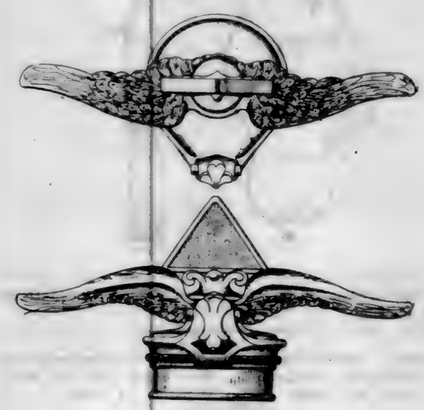
68,873. PRESERVE JAR. OTTO ROSENSTEIN, San Francisco, Calif., assignor to K. Schroer, Berkeley, Calif. Filed Aug. 23, 1924. Serial No. 10,541. Term of patent 7 years.

The ornamental design for a preserve jar, as shown.

68,874. PRESERVE JAR. OTTO ROSENSTEIN, San Francisco, Calif., assignor to K. Schroer, Berkeley, Calif. Filed Aug. 23, 1924. Serial No. 10,542. Term of patent 7 years.

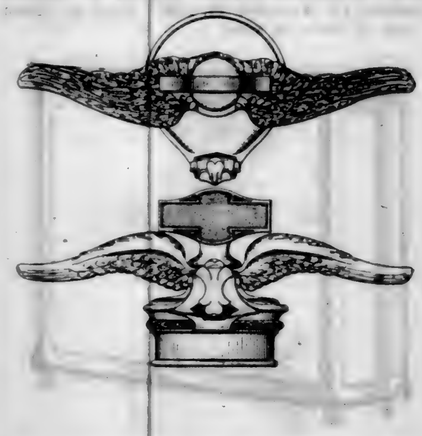
The ornamental design for a preserve jar, as shown.

68,875. RADIATOR CAP. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 30, 1925. Serial No. 14,979. Term of patent 7 years.



The ornamental design for a radiator cap, substantially as shown.

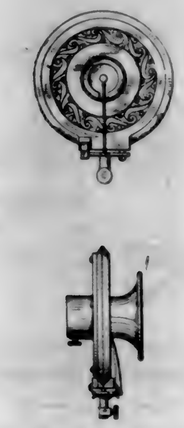
68,876. RADIATOR CAP. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 30, 1925. Serial No. 14,980. Term of patent 7 years.



The ornamental design for a radiator cap, substantially as shown.

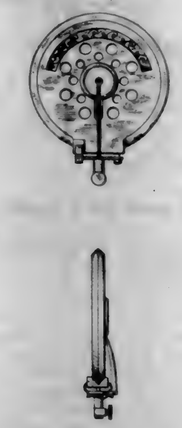


68,877. PHONOGRAPH REPRODUCER. HERMAN SEGAL, New York, N. Y. Filed Oct. 14, 1925. Serial No. 15,114. Term of patent 7 years.



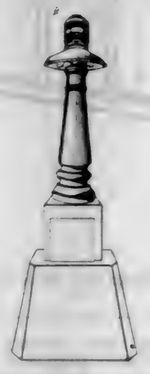
The ornamental design for a phonograph reproducer, as shown.

68,878. PHONOGRAPH REPRODUCER. HERMAN SEGAL, New York, N. Y. Filed Oct. 14, 1925. Serial No. 15,115. Term of patent 7 years.



The ornamental design for a phonograph reproducer, as shown.

68,879. ILLUMINATED TRAFFIC-SIGNAL STANDARD. ABRAHAM SPRUNG, New York, N. Y., assignor to Municipal Street Sign Co. Inc., New York, N. Y., a Corporation of New York. Filed July 25, 1925. Serial No. 14,223. Term of patent 7 years.

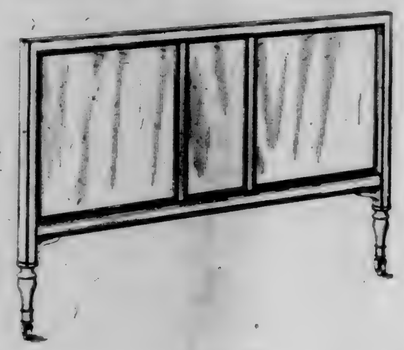


The ornamental design for illuminated traffic signal standard as shown.

68,880. CASING FOR A VENDING MACHINE. GOODWIN B. SMITH, New York, N. Y., assignor to Smith Vending Machine Corp., New York, N. Y., a Corporation of Delaware. Filed Aug. 31, 1925. Serial No. 14,667. Term of patent 14 years.

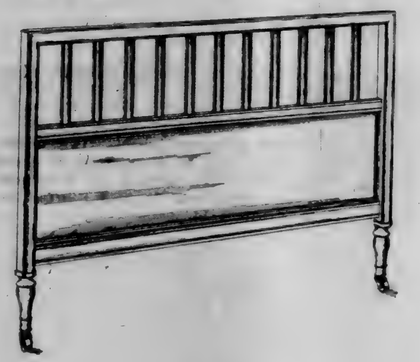
The ornamental design for a casing for a vending machine, as shown.

68,881. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 12, 1925. Serial No. 14,761. Term of patent 14 years.



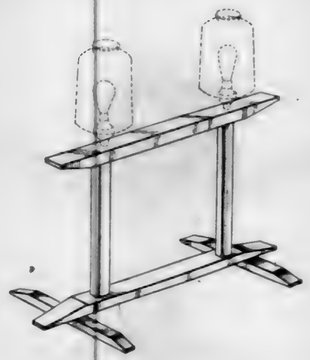
The ornamental design for bedstead end frame, as shown.

68,882. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 12, 1925. Serial No. 14,762. Term of patent 14 years.



The ornamental design for bedstead end frame, as shown.

68,883. LAMP STANDARD. ESELLE TERRY, Ionia, Mich. Filed May 15, 1925. Serial No. 13,458. Term of patent 14 years.



The ornamental design for a lamp standard, as shown.

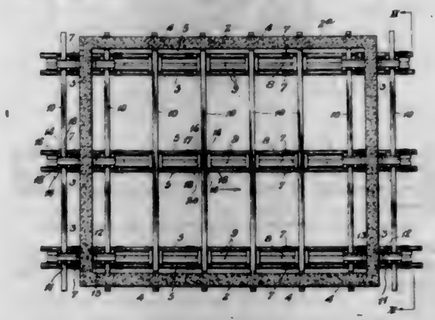
68,884. BOUDOIR CAP. WILLIAM JAY TUROFF and ELISE AUVRAY BESANCON, New York, N. Y. Filed July 19, 1923. Serial No. 6,806. Term of patent 3½ years.

The ornamental design for a boudoir cap as shown.

# PATENTS

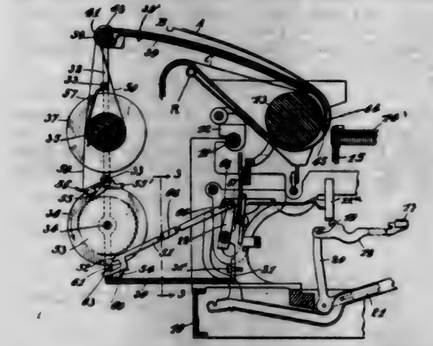
## GRANTED NOVEMBER 24, 1925.

1,562,430. MEANS FOR AND METHOD OF MOVING BUILDINGS. ORION ALEXANDER, South Akron, Ohio. Filed Jan. 8, 1925. Serial No. 1,294. 19 Claims. (Cl. 238—13.)



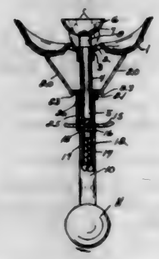
1. In a method of moving a building resting on a foundation, the steps of splitting the foundation approximately within a predetermined horizontal plane by exertion of a uniform lifting action distributed at selected points of two parts of a temporary supporting carriage.

1,562,431. RIBBON MECHANISM FOR TYPEWRITERS. RICHARD D. ANANSON, Stirling, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 24, 1922. Serial No. 546,805. 23 Claims. (Cl. 197—153.)



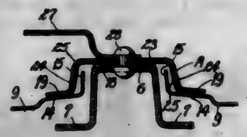
1. In a typewriting machine, the combination with a main frame, a carriage thereon, a platen on said carriage and printing instrumentalities to print through a main ribbon against said platen, of means to conduct an auxiliary ribbon from the delivery side of the platen to the printing point and between work-sheets, said means including a ribbon-guide supported on the main frame, said guide being flat and thin at its free end so that it may extend between the work-sheets without disturbing their printing relation and in a direction opposite to which the work-sheets are fed around the platen, and means to feed said auxiliary ribbon.

1,562,432. MEASURING SCOOP. ARTHUR WILLIAM BERSCH, Milwaukee, Wis. Filed June 13, 1925. Serial No. 36,821. 7 Claims. (Cl. 107—48.)



1. A measuring scoop comprising the combination with an ejector, of a set of spoon shaped scoop members adapted to close about the ejector and adapted for movement longitudinally relative to the axis of said ejector, a sleeve with which the scoop members are pivotally connected, a plunger mounted to slide in the sleeve and supporting the ejector, and a handle in which the plunger and sleeve are seated.

1,562,433. CAR ROOF. CHARLES DAVID BONBALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Nov. 19, 1924. Serial No. 750,840. 2 Claims. (Cl. 108—5.4.)

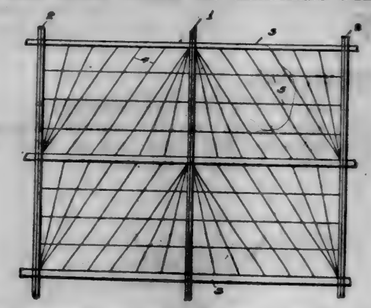


1. A car roof comprising side plates, car-lines of inverted channel-shaped section extending from side plate to side plate, roof sheets extending from side plate to side plate between carlines, metal caps of inverted channel-shaped section extending from side plate to side plate, said caps straddling said carlines and the adjacent side marginal portions of said roof sheets, the web portions of said carlines and caps being rigidly riveted together flatwise at points a substantial distance inwardly from the side plates and at points near the sides of the running board whereby said caps cooperate with said carlines in taking care of the carline stresses.

1,562,434. AIRSHIP CONSTRUCTION. CHARLES P. BURGESS, Bethesda, Md. Filed Jan. 28, 1925. Serial No. 5,397. 3 Claims. (Cl. 244—3.)

1. In an airship construction, in combination with a main frame and intermediate frames, a series of gas

cell retaining wires extending diagonally upward from the main frames towards the intermediate frame to



thereby transmit the gas lift in greater part to the main frames instead of equally to the main and intermediate frames.

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1,562,435. AIRSHIP CONSTRUCTION. CHARLES P. BURGESS, Bethesda, Md. Filed Jan. 28, 1925. Serial No. 5,398. 3 Claims. (Cl. 244—3.)

1. In an airship construction, transverse members, a longitudinal girder connecting said transverse girders, said longitudinal girder having a longitudinal member of structural cross-section braced by a series of struts normal thereto, and brace wires passing over the struts and connected substantially with the ends of said longitudinal member, whereby the longitudinal forces due to the bending of the girder are taken by the wires instead of by longitudinal members of structural section.

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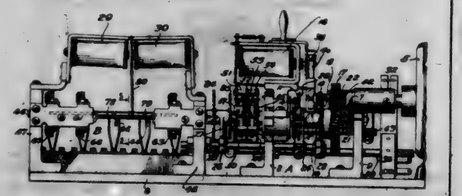
1,562,436. TRANSLATING DEVICE. MERLE PRESCOTT CHAPLIN, White Plains, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 31, 1921. Serial No. 511,785. 21 Claims. (Cl. 178—27.)



1. In combination, a plurality of members arranged to occupy one of two positions, means individual to said members for causing their movement, means controlling the deflection of said means to one side or the other of said members for causing their movement in either of two directions, and means responsive to selecting current impulses for controlling the positioning of said second recited means.

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1,562,437. SHAFT COUPLING. CHARLES F. CLAPHAM, Baltimore, Md., assignor of one-third to Hiram S. Miller, Baltimore, Md. Filed Mar. 24, 1923. Serial No. 627,269. 1 Claim. (Cl. 64—26.)

A coupling of the class described, comprising a disc having its peripheral edge bent to provide a right angle flange, said flange being divided to provide resilient beam portions, a shaft secured to said disc, flexible means pivotally connected to said beams, a second shaft, a crosshead connected to one end of said second shaft, and means flexibly connecting the second shaft of the cross-

head to said flexible means, said connection aligning said second shaft with said first shaft and permitting relative movement of said shafts out of alignment with one another.

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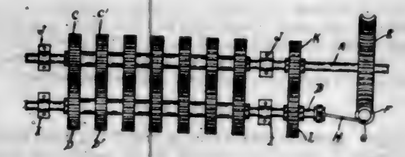
1,562,438. METHOD OF TRUING GEARS. ALEXANDER W. COPLAND, Detroit, Mich. Filed Jan. 15, 1921. Serial No. 437,489. 4 Claims. (Cl. 51—278.)



1. The process of truing gears which consists in simultaneously lapping groups of intermeshing gears, the gears of each group being in fixed relation to each other, and the teeth of the gears in each group being arranged in staggered relation whereby an averaging of irregularities is effected.

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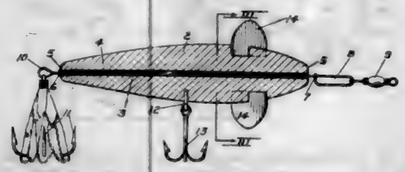
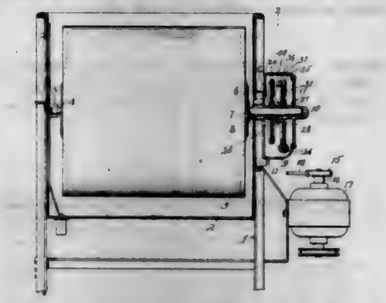
1,562,439. ARTIFICIAL BAIT. CHARLES S. CRAWFORD, Pittsburgh, Pa. Original application filed Nov. 24, 1923, Serial No. 676,763. Divided and this application filed July 7, 1925. Serial No. 41,967. 2 Claims. (Cl. 43—47.)



2. In combination with a central stem having a front attaching eye and a rear loosely connected hook, a fish-shaped body provided with a central tube having terminal flanges tightly secured against the body at each end for rotatable mounting on the central stem, abutting washers on the stem adapted to bear against each end of said tube, and a freely swinging hook loosely mounted at one side of and beyond the surface of the body.



1,562,440. WASHER DRIVE MECHANISM. ARTHUR R. CURTIS, Cleveland, Ohio. Filed Apr. 23, 1923. Serial No. 633,969. 21 Claims. (Cl. 74—50.)



5. A drive mechanism comprising a shaft, a pair of gears loose on the shaft, said gears having driving lugs on their inner faces, an arm fixed to the shaft between the gears and a key pivoted at its inner end to said arm and movable into engagement with either gear.

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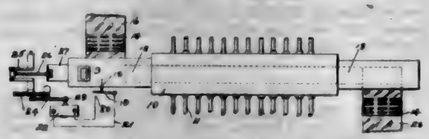
1,562,441. APPARATUS FOR BURNING BRICK. THOMAS STANLEY CURTIS, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Aug. 9, 1919. Serial No. 316,431. 5 Claims. (Cl. 25—142.)



1. A kiln comprising a highly-heated chamber, means for localizing the heat in said chamber, means for conducting the work to be treated at a predetermined speed past the high temperature point, means for automatically introducing the work into the heating chamber through an opening in the side thereof, means for automatically and intermittently feeding the work as introduced at a predetermined speed to the furnace, and means for automatically conducting the treated work from the furnace.

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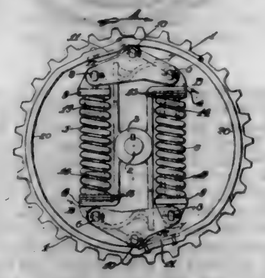
1,562,442. AUTOMATIC RELEASE DRIVE. CHARLES E. EVANS, Aurora, Ill., assignor to Barber-Greene Company, Aurora, Ill., a Corporation of Illinois. Filed Nov. 10, 1923. Serial No. 673,892. 2 Claims. (Cl. 74—29.)



1. In combination with a shaft and a driving wheel therefor with its hub mounted loose on said shaft, a hub fixed to the shaft adjacent the wheel hub, a frame rigid with said fixed hub comprising a web extending diametrically with respect to the wheel with parallel re-enforcing flanges at opposite sides of the shaft, said flanges terminating in portions transverse to their parallel portions at opposite ends of the frame respectively, a pair of levers each fulcrumed at one end on the frame adjacent the terminal portion of one of its flanges, the flat end of each lever extending opposite the other flanged terminal, a pair of compression springs each engaged between the free end of one lever and the flange terminal opposite thereto and a rim on the wheel overhanging the levers and formed with a pair of abutments facing the lever fulcrums respectively and engaging portions of the levers intermediate their ends.

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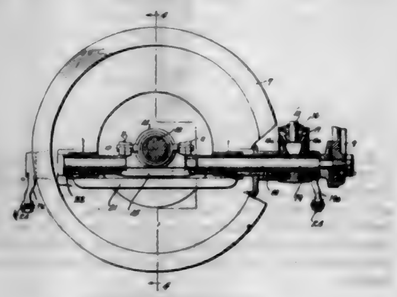
1,562,443. VEHICLE BRAKE MECHANISM. EDWIN R. EVANS, Detroit, Mich. Original application filed Sept. 4, 1923, Serial No. 660,855. Divided and this application filed May 5, 1924. Serial No. 711,279. 11 Claims. (Cl. 74—81.)



1. The combination with a vehicle drive shaft, of coaxial clutch control shafts at opposite sides of said drive shaft, a drive connection between said shafts offset transversely to their axis to clear the engine shaft, a pair of brake actuating elements mounted coaxially with said clutch control shafts at each side of said drive shaft, and a similarly offset connection between said brake control members.

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1,562,444. CLAMPING DEVICE. ROBERT A. FLUM, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Feb. 4, 1924. Serial No. 690,112. 7 Claims. (Cl. 293—55.)

1. A clamping device for bumpers comprising a pair of vertically spaced front or impact bars and a rear or auxiliary bar having its central portion interposed between the central portions of the first two bars, said device comprising upper and lower symmetrical clamping members, each having a seat at one end thereof adapted to engage the upper edge of the upper bar and the upper edge of the lower bar, respectively, and each having a seat at its opposite end for the adjacent edge of the intermediate bar, an intermediate clamping member having laterally spaced seats adapted to receive the lower edge of the upper bar and the upper edge

of the lower bar and provided with lateral flanges adapted to engage the front face of said intermediate bar, and a bolt extending through the first two members for securing the same together and to said bars.

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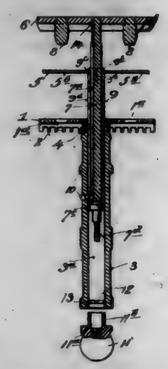
1,562,445. SAFETY RAZOR. HENRY J. GAISMAN, New York, N. Y. Filed May 21, 1921. Serial No. 471,333. 12 Claims. (Cl. 30—12.)



1. A safety razor comprising a guard, a backing for a blade, a support for the blade, a handle slidably supporting said support respecting the guard, means movably supporting the backing respecting the guard, the handle and said support, the backing being detachably connected to its supporting means, and means to prevent detachment of the support and the backing from the handle.

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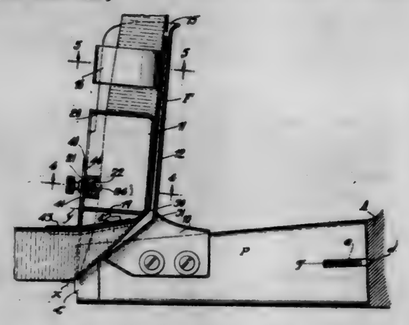
1,562,446. FOLDER FOR SEWING MACHINES. CHARLES HAM, Albany, N. Y., assignor to Fuld and Hatch Knitting Company, a Corporation of New York. Filed Apr. 29, 1925. Serial No. 26,576. 2 Claims. (Cl. 112—138.)



1. A device of the type described which comprises an inner guiding channel formed of substantially U-shaped inner and outer walls joined at their side edges and having their outlet end edges at an angle to their length, a bridge member lying wholly within the space formed by said U-shaped inner wall, said bridge member having one edge flush with said joined side edges and having its sides extending a substantial distance into said space and rigidly secured to said inner wall to reinforce and strengthen the same, a plate on said flush edge having a longitudinal slot therein, a clamping nut having a shank projecting through said slot and threaded into said bridge, said clamping nut having a head projecting outwardly from said bridge and lying wholly outside of said wall enclosed space, permitting rapid and convenient adjustment of said plate, and a U-shaped guide arm rigidly secured to one end of said plate.

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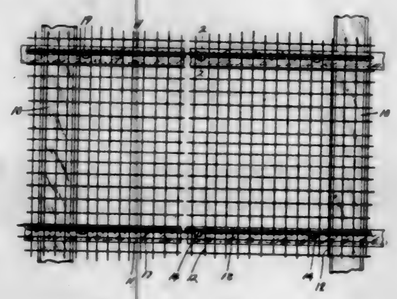
1,562,447. REENFORCING CONCRETE WALLS AND THE LIKE. HARVEY HANNA, Detroit, Mich. Filed Feb. 16, 1925. Serial No. 9,636. 11 Claims. (Cl. 72—118.)



1. The combination with a structural member of a wall, of means for supporting the reenforcing material of the wall comprising a supporting member, fastening means engaging said structural member and disengageable means for securing said supporting member to said fastening means.

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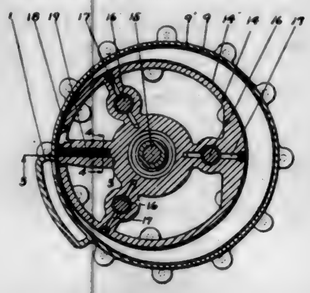
1,562,448. ROTARY PUMP. WILLIAM A. HATCHER, Detroit, Mich., assignor to Wernicke-Hatcher Pump Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Feb. 19, 1921. Serial No. 446,474. 5 Claims. (Cl. 103—121.)



1. A rotary pump the combination of a suitable cylinder, a cylindrical piston of less diameter than said cylinder disposed eccentrically within the same to contact with the walls thereof, bearings for supporting the said cylinder and piston in said relative positions, a vane disposed in a recess in said piston and abutting the circumferential wall of said cylinder, means connecting the said piston and cylinder to maintain the same in parallel relation the one to the other during rotation, means for driving the same, a band of yielding material disposed within the periphery of said cylinder, the ends of which are connected each side of the exhaust, and a band of yielding material surrounding the said piston with its ends secured in proximity to the sides of said vane, coacting as specified.



1,562,449. ROTARY DRILLING APPARATUS. CHARLES W. HERRIN, Pattonsburg, Mo. Filed Nov. 12, 1924. Serial No. 749,444. 12 Claims. (Cl. 255—63.)

1. In an apparatus of the character described, a rotary drill stem, a sleeve arranged to slip over said drill stem while the same is in a well, coupling means whereby said member is caused to rotate with said drill stem, and a bit mounted on said member to move therewith.

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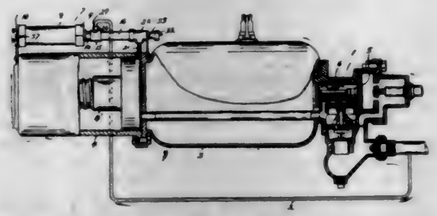
1,562,450. AIR-BRAKE MECHANISM. DENNIS C. HESSIAN, Detroit, Mich. Filed May 26, 1924. Serial No. 715,980. 10 Claims. (Cl. 303—65.)



1. The combination with an air brake system including a main supply pipe and a brake cylinder, of means for maintaining the pressure of air in the brake cylinder substantially equal to the air pressure in the main pipe, said means including an auxiliary pipe connected to the brake cylinder, a member normally closing the passage in said pipe, an auxiliary pipe connected to the main pipe, a tube connected to said auxiliary pipes, and means in the tube engageable with the member aforesaid for controlling the passage of air from one auxiliary pipe to the other.

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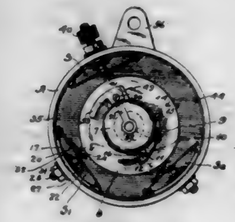
1,562,451. IGNITION-CONTROLLING APPARATUS. ALONSO HOWARD, Chicago, Ill., assignor to Howard Ignition Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 10, 1923. Serial No. 673,904. 10 Claims. (Cl. 200—21.)

3. In ignition controlling apparatus of the class described, the combination of a housing, a cam member rotatable within said housing and having cam formations thereon, a supporting frame seating against the inside of said housing, a spring element extending between the ends of said frame and in the path of said cam formations, a contact on said spring element, said housing having an opening and said frame having an opening in register therewith, a terminal stud extending through said opening and insulated from said frame and housing, means for clamping said frame to said housing and for securing said stud in place, a contact on said stud in opposition to said spring element contact and normally disengaged therefrom, cooperation of the cam formations



with said spring element causing flexure of said element to close said contacts, and a conductor held in place between said frame and housing, said conductor being in electrical contact with said stud but insulated from said frame and housing.

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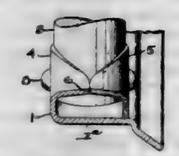
1,562,452. FELLY AND SPOKE CONNECTION. RUSSELL HUFF, Detroit, Mich., assignor, by mesne assignments, to Dodge Brothers Inc., a Corporation of Maryland. Filed May 27, 1920. Serial No. 384,541. 6 Claims. (Cl. 301—67.)



2. In a wheel, the combination of a spoke and a spoke socket formed by two metallic socket members, one on each side of the socket, each of said members being bent laterally around the spoke and abutting against the other socket member to form a spoke-holding socket smaller in diameter than the original diameter of the spoke head, and means for drawing the two socket members together to compress the spoke head within the socket.

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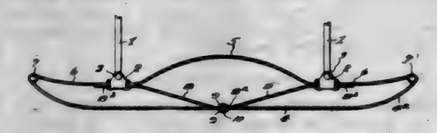
1,562,453. BUMPER FOR AUTOMOBILES. HERBERT S. JANDUS and CHARLES F. BROWN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 688,992. 5 Claims. (Cl. 293—55.)



3. A bumper comprising a pair of vertically spaced impact bars, a rear or auxiliary bar connected to the ends of the impact bars and having its central portion spaced from said bars, a reinforcing bar having its central portion secured to the impact bars, means for frictionally clamping the reinforcing bar to the auxiliary bar, and means for pivotally supporting the bumper.

1,562,454. FOOT GRIP FOR INVALIDS. STANLEY S. JENKINS, Buffalo, N. Y. Filed May 14, 1923. Serial No. 638,891. 3 Claims. (Cl. 128—134.)

1. A foot grip for invalids comprising a gripping element formed of flexible material roughened on its outer face for engagement with a relatively slippery surface and provided with ventilating perforations, and means whereby said element may be securely attached to the bare heel of an invalid.

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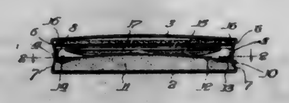
1,562,455. TOILET CASE. ALBERT G. JONES, Chicago, Ill., assignor to Melba Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 1, 1924. Serial No. 753,044. 11 Claims. (Cl. 132—83.)



1. A toilet case comprising, a two part hinged receptacle, one of said parts adapted to receive a powdered material and having its sides inwardly converged, a gasket adapted to fit tightly within said sides and upon the material therein, a reticular member secured to said gasket and a bezel ring holding said gasket in place.

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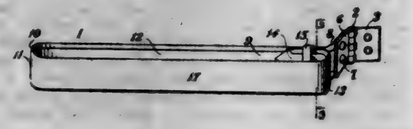
1,562,456. CURTAIN HOLDER. NELLIE KLANG, New York, N. Y. Filed Mar. 31, 1925. Serial No. 19,612. 6 Claims. (Cl. 156—33.)



1. A curtain holder having a hinge at one end thereof adaptable to be secured in position, a flexible strap having its terminal secured to said hinge and extending from said hinge to a place whereat the curtain is to be embraced thereby, said strap forming a loop at said place and extending from said place backwardly to said hinge, and said strap forming a loop near its opposite terminal and the latter terminal extending for a short distance away from the hinge and in contact with the strap portion near its former terminal.

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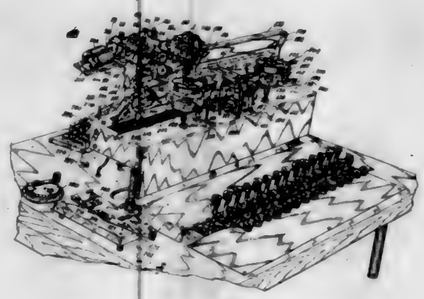
1,562,457. PRINTING-TELEGRAPH MACHINE. OSCAR L. KLEBER, Pittsburgh, Pa., assignor to Telegraph Typewriter Co., Inc., New York, N. Y. Filed Feb. 15, 1921. Serial No. 445,180. 87 Claims. (Cl. 178—26.)

79. In a device of the kind described, means for moving the paper carriage, comprising a rotating shaft, means loosely mounted thereon for moving the paper carriage and electromagnetically operated means also mounted upon the shaft for causing loosely mounted means to rotate with the shaft.

84. In a device of the kind described, a rotatable switch, means constantly tending to rotate said switch, selecting means and means controlled by the selecting



means for holding the switch against rotation and including a delayed action mechanism to permit rotation thereof after the completion of the selecting part of the printing mechanism.

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1,562,458. METALLIC RAILWAY TIE. EDGAR R. LEHMAN, Johnstown, Pa., assignor to Bethlehem Steel Company. Filed June 25, 1925. Serial No. 39,406. 6 Claims. (Cl. 238—10.)

1. The combination, with a railway rail, a metallic member, and means for holding the metallic member in place with respect to one flange of the rail, of a movable sector-like clip pivoted to the member and in opposed relation with respect to said means for connecting the other flange of the rail to the member, said movable clip having a downwardly-facing arcuate lateral cam surface to engage the top surface of a rail flange, the radius of said arcuate cam surface with respect to the pivot increasing from one side to the other of the clip and the surface of said cam being inclined downwardly in the direction of increasing radius.

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1,562,459. MEDICINAL PREPARATION. JOSIAH K. LILLY, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a Corporation of Indiana. Filed Mar. 5, 1925. Serial No. 13,866. 2 Claims. (Cl. 167—7.)

2. A medicinal preparation comprising a mixture of phenylcinchoninic acid with the hydriodid of phenylcinchoninic acid.

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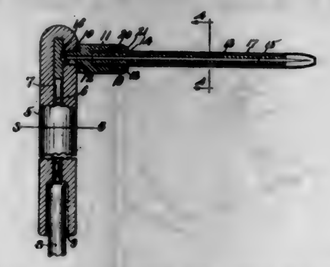
1,562,460. FULGURATOR. WILLIAM D. MCFEE, Haverhill, Mass. Filed Apr. 26, 1922. Serial No. 556,665. 5 Claims. (Cl. 714—89.)

1. A therapeutic fulgurator having a handle, a member mounted on said handle and extending angularly



therefrom, a discharge electrode on said member and projecting therefrom, a protector surrounding the dis-



charge end of said electrode, and means for adjusting said electrode relative to said protector.

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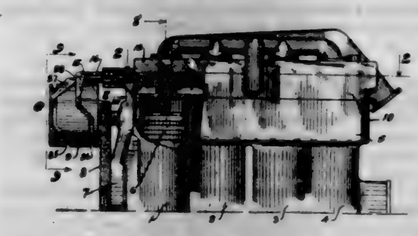
1,562,461. INTERNAL-COMBUSTION ENGINE. THOMAS J. MALONEY, Denver, Colo. Filed Sept. 10, 1923. Serial No. 661,844. 1 Claim. (Cl. 123—188.)



In an internal combustion engine, in combination, an engine block having a plurality of cylinders, a two-part cylinder head adapted to be secured to the top of the engine block, said head having an intake and an exhaust port for each cylinder, a stationary slide block adapted to be located between the two parts of the cylinder head, said slide block having two substantially parallel longitudinally extending grooves on each side and having also a number of intake port openings connecting two opposed grooves, and exhaust port openings connecting the other two opposed grooves, slides mounted in said grooves, said slides having openings therein at spaced intervals, and means for causing corresponding openings in two opposed slides to register with any desired opening in the slide block.

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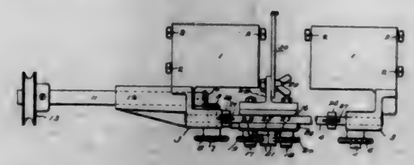
1,562,462. INK AGITATOR. ECTOR F. MARCEAU, East Hartford, Conn. Filed Apr. 23, 1925. Serial No. 25,399. 5 Claims. (Cl. 101—364.)



1. An ink agitator comprising means for attaching the appliance to a printing press, guiding means supported by the attaching means, a carriage movable back and forth on the guiding means, said carriage being adapted to support an agitator blade, wheels mounted on the attaching means, an endless belt connecting said wheels, mechanism for rotating one of said wheels, wheels rotatably mounted on the carriage, one of which is engaged by one length of the belt and the other of which is engaged by the other length of the belt, means movably mounted on the carriage and adapted to intermittently release one of said carriage wheels and lock the other of said carriage wheels, and stops adapted to engage and change the position of said movable means with relation to the carriage wheels at the predetermined limits of travel of the carriage.

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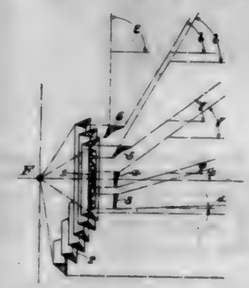
1,562,463. LENS APPARATUS. NILS THURE KRISTIAN MOLLEBERG, Skarmatra, Lidingon, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J., a Corporation of New Jersey. Filed June 29, 1921. Serial No. 481,392. 5 Claims. (Cl. 240—106.)



2. In lens apparatus, the combination of the lens, and a set of prisms in front of the lens, so constructed and placed as to divide the rays which radiate from the said lens into a plurality of groups of rays which groups extend in succession from the horizon to the zenith, the angles of the rays of each group with respect to the horizon being different from the angles of the rays of each of the other groups with respect to such horizon.

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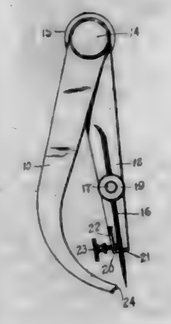
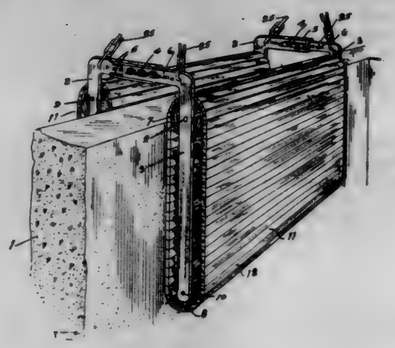
1,562,464. CALIPERS. ANDREW NELSON, Saltfleet Township, Wentworth County, Ontario, Canada. Filed May 21, 1925. Serial No. 31,818. 4 Claims. (Cl. 33—149.)



1. In a pair of calipers including a first finger and a second finger pivoted together, a lip formed on the free end of the second finger and having an elongated notch, a yieldable pointer carried by said finger and extending through said notch, and means for slightly bending the pointer in relation to the centre line of said finger, said pointer being adapted to move along said notch while being thus bent.

1,562,465. MOLD. CARY HOLLIS NELSON, Denver, Colo. Filed Feb. 24, 1925. Serial No. 11,135. 4 Claims. (Cl. 25—131.)



1. A mold for building walls from plastic material, comprising, in combination, two U-shaped frames having corresponding sides connected by two parallel spaced rollers, an endless flexible belt enclosing each pair of said rollers, the adjacent sides of said belt being spaced to form the sides of the mold.

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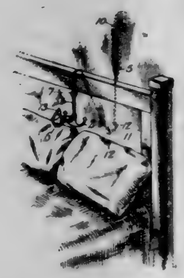
1,562,466. LIGHTING FIXTURE. THEODORE J. NELSON, Chicago, Ill., assignor to Colonial Lamp & Fixture Works, Inc., Chicago, Ill., a Corporation of Illinois. Filed Nov. 22, 1919. Serial No. 339,827. 10 Claims. (Cl. 240—53.)



1. In a lighting fixture, the combination of a stem having a flexible hanger connected to one end thereof, a lamp socket disposed laterally at the other end of the stem, and a weight at the latter end of the stem for counter-balancing the lamp socket so as to hold the stem in a substantially upright position when the fixture is supported by the aforesaid flexible hanger, said hanger containing a pair of electrical conductors which are led through the stem and connected to the socket and provided with an attachment plug at the outer ends.

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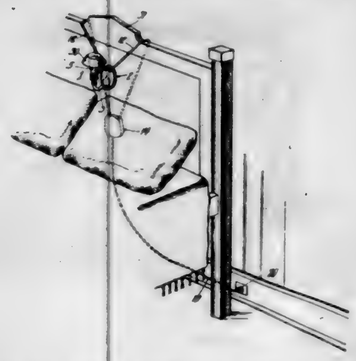
1,562,467. LIGHTING FIXTURE. THEODORE J. NELSON, Chicago, Ill., assignor to Colonial Lamp & Fixture Works, Chicago, Ill., a Corporation of Illinois. Filed Mar. 14, 1921, Serial No. 452,276. Renewed May 20, 1925. 14 Claims. (Cl. 240—52.)

1. The combination of a lighting fixture comprising a plate having a lamp mounted thereon at one side, and a pair of flexible supporting members having the plate connected therewith so that the latter is maintained by gravity in an upright position when supported by said



members, said members being spaced apart so as to hold the plate against twisting movement around the vertical axis when suspended by said members.

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1,562,468. MANUFACTURE OF VAT DYESTUFFS. HEINRICH NERESHEIMER, Ludwigshafen-on-the-Rhine, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Nov. 11, 1924. Serial No. 749,320. 8 Claims. (Cl. 260—61.)

1. The process of manufacturing a chlorinated dibenzanthrone vat dyestuff which consists in acting on dibenzanthrone with a chlorid capable of being converted, in the course of the reaction, into a chlorid of a lower valence.

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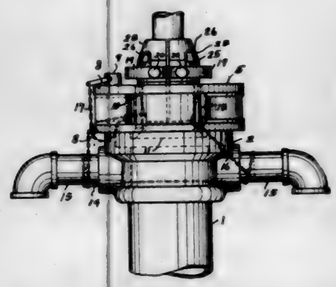
1,562,469. TUBING SLIP AND SPIDER. JEDDY D. NIXON, Houston, Tex. Filed Mar. 28, 1924. Serial No. 702,652. 23 Claims. (Cl. 24—249.)



1. A device of the character described including a sectional spider having an upwardly flared central opening, flexible means connecting said spider to a casing head so as to permit a limited radial movement of the bowl, and a tubing slip adapted to seat in said opening.

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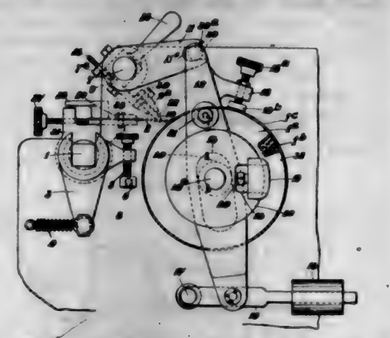
1,562,470. DOCTOR-OPERATING GEAR. MALCOLM OWEN, London, England. Filed June 15, 1925. Serial No. 37,165. 10 Claims. (Cl. 101—157.)

1. A method of flexing a doctor supported in contact with the printing surface of a printing cylinder to effect



complete wiping of the printing surface, consisting in applying pressure independent of the doctor support



along a line completely across the doctor from side to side between the operating edge of the doctor and its support.

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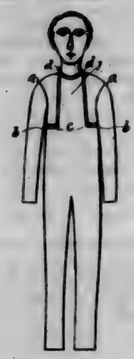
1,562,471. UNDERGARMENT. HATTIE JANE PAGE, Grand Rapids, Mich., assignor of one-half to Elert A. Clements, Grand Rapids, Mich. Filed Apr. 28, 1924. Serial No. 709,604. 2 Claims. (Cl. 2—78.)



1. A garment comprising a front and a back body part, the back of the garment having two flaps connected therewith at the shoulder lines and passing over the front of the garment, the inner borders of the flaps diverging downwarly from the sides of the neck opening to the waist line, thence stitched across horizontally to the axillar portion of the garment, the front of the garment having two like flaps connected therewith at the shoulder lines and having their inner borders diverging downwardly and extending to the waist line, thence stitched to the body of the garment across to the axillar portions of the garment and the outer edges of the four flaps stitched vertically along the axillar portions and around the arm scyes of the garment, all arranged to form a close fitting and readily expansible neck opening.

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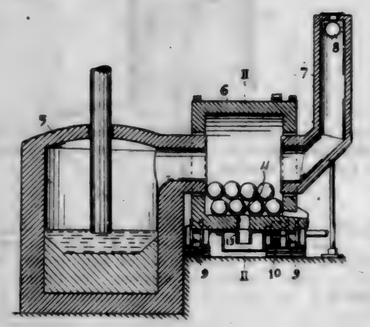
1,562,472. PROCESS FOR THE TREATMENT OF ALLOYS CONTAINING COPPER AND IRON. HARALD PEDERSEN, Trondhjem, Norway, assignor to Orkla Grubeaktiebolag, Lokken Verk, Norway. Filed Apr. 16, 1924. Serial No. 706,931. 3 Claims. (Cl. 75—17.)

1. Process of treating iron containing carbon and copper alloys to obtain copper, characterized therein that the alloy is subjected to washing with lead in a liquid conditon whereby a lead alloy, rich in copper, and iron, free from or poor in copper, results.

1,562,473. PROCESS AND APPARATUS FOR CONDENSING ZINC VAPOR. ØYSTEIN RAVNER, Christiania, Norway, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Christiania, Norway, a Business Entity. Filed Mar. 7, 1921. Serial No. 450,121. 5 Claims. (Cl. 266—18.)



1. A condenser for zinc vapors comprising a revolving drum and a stationary tube connected with the drum in such manner that the condensate formed in the tube will automatically fall back into the drum.

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1,562,474. NEEDLE THREADER. WILLIAM H. RICE, Omaha, Nebr. Filed Dec. 19, 1924. Serial No. 756,911. 2 Claims. (Cl. 223—36.)

2. A needle threading device comprising a casing having a chamber therein, spaced parallel vertically disposed slidable rods mounted in bearings of the casing, springs disposed within the casing and cooperating with the rods for simultaneously forcing the same upwardly, a needle receiving block secured to the upper ends of the rods above the casing, right angularly disposed needle and thread receiving recesses in the upper end of the block, a needle engaging arm carried by the upper end of the casing between the rods and extending vertically through an aperture in the block and adapted to move upwardly through the upper end of the block at the point of intersection of the needle and thread recesses and spring thread gripping arms carried by the rods at opposite sides of the block.

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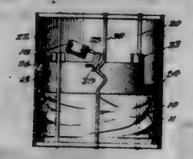
1,562,475. TALKING MECHANISM FOR TOYS. ISAAC A. ROMMEL, Brooklyn, N. Y., assignor, by mesne assignments, to Voices Incorporated, a Corporation of Delaware. Filed Apr. 25, 1922. Serial No. 556,389. 19 Claims. (Cl. 46—46.)

2. A sound producing device having in combination a casing, a sound chamber having air inlet and air outlet openings therein, said chamber being weighted and sliding

by gravity back and forth in the casing, means whereby movement of said chamber in the casing will cause air to be forced through the chamber as it slides in the casing,



a sound reed mounted in the inlet opening of the sound chamber, and means for controlling the sound associated with the other opening.

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1,562,476. BAFFLE. JAMES P. SNEDDON, Bayonne, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Apr. 5, 1921. Serial No. 458,844. 16 Claims. (Cl. 110—98.)

1. A vertical baffle comprising tubes arranged side by side, some of which are spaced apart, members for filling the spaces between the spaced tubes, and gravity-operated means to draw the members against the tubes and to lock the members in position.

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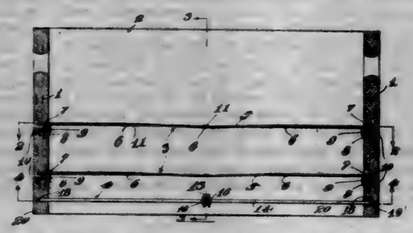
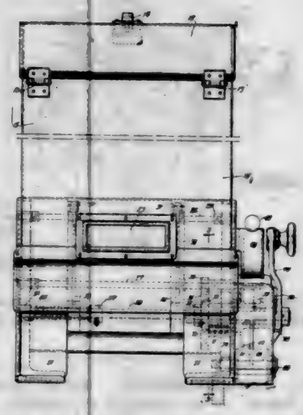
1,562,477. BOTTLE CRATE. RALPH G. TRIBBY, Philadelphia, Pa. Filed Sept. 30, 1924. Serial No. 740,713. 6 Claims. (Cl. 217—20.)

2. A bottle crate including side and end walls; a bottle supporting frame secured to the walls, and a bottle separating frame consisting of bars having parts bent upon themselves and embedded in the walls and having extremities forming lugs extending from the bar, and nails passing through the lugs and the walls and having their ends clinched.

1,562,478. VENDING MACHINE. GEORGE WEISS, Chicago, Ill. Filed Nov. 18, 1920. Serial No. 424,873. 13 Claims. (Cl. 194—85.)



3. In a vending machine, the combination with a propeller for discharging articles, means geared thereto for actuating the same, a pair of rotatable parts mounted on a common axis and having co-acting recesses forming the coin-receiving slot, a dog pivoted on a fixed axis and normally extending through an aperture in one of said parts to hold the same and the propeller against movement, said means being displaced by the weight of a coin in the slot to permit said parts to be turned at which time the coin forms a connector between the parts whereby the propeller may be actuated.

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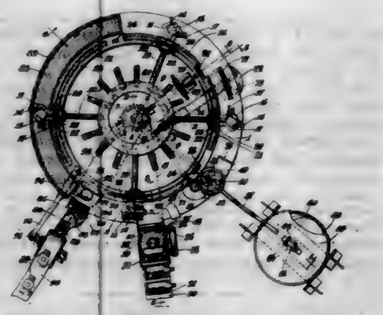
1,562,479. APPARATUS FOR CAPPING BOTTLES. MILTON C. WHITAKER, New York, N. Y., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Jan. 19, 1922. Serial No. 530,253. 9 Claims. (Cl. 226—80.)



1. A bottle capping machine which comprises a coating tank, a rotary arm carrying a bottle container rotatable around the arm axis, means for holding the container horizontal to receive a bottle, means for rotating it to dip the bottle into the coating tank, and for further rotating it to clear the tank, means for inverting it to allow the liquid to drip off, and means for righting it to permit the liquid to spread evenly.



1,562,480. SYNTHESIZING HIGHER MOLECULAR ORGANIC COMPOUNDS CONTAINING OXYGEN. GUSTAV WIETZEL and RUDOLF WIETZEL, Ludwigshafen-on-the-Rhine, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Feb. 25, 1925. Serial No. 11,557. 8 Claims. (Cl. 260—156.)

1. The process of synthesizing higher molecular organic compounds containing oxygen which consists in causing carbon monoxid to act on a vaporized aliphatic alcohol with the aid of a catalyst and at an elevated temperature and pressure.

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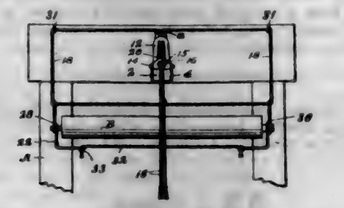
1,562,481. AUTOMATIC WINDOW-SHADE-ROLLER ADJUSTER. FRANK E. WERNTZ, Leeds, Mo. Filed May 10, 1922. Serial No. 559,949. 4 Claims. (Cl. 156—27.)



1. A device of the character described consisting of a pair of shade roller hangers bent at right angles and having their terminals bent at acute angles, a transverse cord adjustably secured to the lower angular portions of said hangers to prevent the same from spreading apart, another cord whose transverse intermediate portion is adjustably secured in the upper angular portions of the hangers, guides adapted to be secured to a window frame and through which opposite portions of the last-mentioned cord freely run, and means adapted to be secured to the window frame for holding said last-mentioned cord in any of its adjusted positions.

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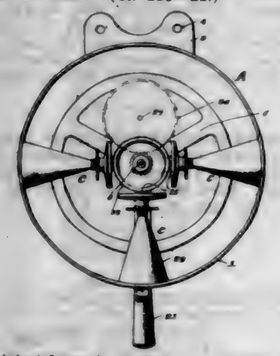
1,562,482. METHOD OF MAKING CHAIN BOLTS. HARRY E. WORRELL, Pittsburgh, Pa., assignor to McKinney Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 10, 1923. Serial No. 624,155. 2 Claims. (Cl. 153—32.)

1. The method of forming bolts which comprises providing a substantially flat blank having a wide upper portion whose uppermost edge is of substantially arcuate form-bending said portion to bring the side edges thereof into adjacent position to form a tubular body portion, bending a portion of the blank to semi-circular form of less diameter than said body portion, and forming a shank portion below said intermediate portion of angular form in cross section.

1,562,483. SHIP'S TELEGRAPH. FRANK W. WOOD, Montclair, N. J. Filed Jan. 13, 1923. Serial No. 612,446. 1 Claim. (Cl. 116—21.)



In a ship's telegraph receiving apparatus, a casing, a partition therein dividing the casing into a front and a rear chamber, a dial at the outer end of the casing, a main shaft rotatable in a bearing in the partition, an indicator wheel on the shaft within the rear chamber, a pointer on the shaft in front of the dial, a gear shaft rotatably mounted in a bearing in the partition, a pinion on one end of said shaft and a larger gear on the other end of the shaft, a gear on the main shaft engaging said pinion and of larger diameter than the pinion, a relatively small pinion rotatably mounted on the main shaft in said front chamber and engaging the gear on said gear shaft, a serrated wheel larger than the last named pinion and connected to rotate therewith, and one or more vibratory sound producers in said front chamber in generally radial relation to the main shaft, each of said sound producers comprising, a tubular member supported on said partition, a sound horn connected to the outward end of said tubular member and having its outer end located in an aperture in the casing, a diaphragm housing having screw-threaded engagement with said tubular member, a diaphragm secured in the flared inward end of said housing, a button on the diaphragm engaging the serrated wheels, and means for securing the diaphragm casing in adjusted position on said tubular member, the parts being constructed and arranged so that at each movement of the instrument pointer from one dial space to another the serrated wheel is rapidly moved and the diaphragm or diaphragms are rapidly vibrated, producing a loud penetrating and raucous noise, clearly perceptible above the other loud noises in a Diesel-engine room.

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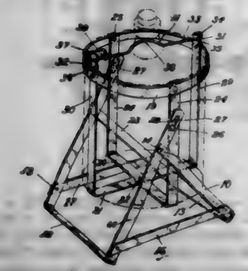
1,562,484. PORTABLE BOTTLE HOLDER. EARL C. WRIGHT, Cleveland, Ohio, assignor to Louis E. Wright, Cleveland, Ohio. Filed May 29, 1924. Serial No. 716,622. 9 Claims. (Cl. 248—58.)



1. A receptacle holder comprising a support formed of upwardly bent supporting members, and a skeleton case for the receptacle consisting of spaced strips inter-

secting at the bottom and means connecting the upper ends of the strips together, and trunnions projecting outwardly from said strips, said supporting members having elongated, inclined slots with lateral openings entering the slots between their ends to receive said trunnions, whereby lifting the case will carry the support but lateral thrust thereof will detach the trunnions from the slots through the said openings.

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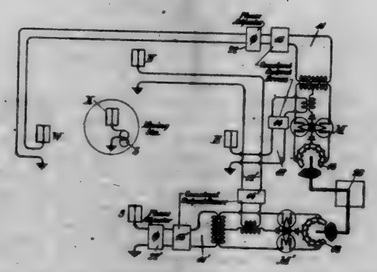
1,562,485. MOVEMENT AND POSITION INDICATOR. HERMAN A. AFFEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 5, 1923. Serial No. 636,864. 9 Claims. (Cl. 250—2.)



1. The method of determining the speed of a moving station with reference to two fixed stations, which consists in simultaneously receiving waves of the same frequency radiated between the moving station and each of the fixed stations respectively, producing an indication proportionate to the relative phases of the received waves which corresponds to the movement of the moving station, and determining from the number of cycles of relative phase shift per unit of time the number of wave lengths traveled by the moving station within that unit of time.

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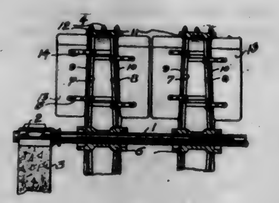
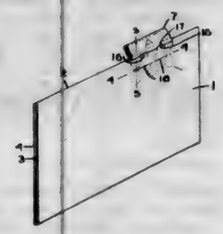
1,562,486. WATER MOTOR. WILLIAM G. ALEXANDER and MILBURN E. ALEXANDER, Brewster, Wash. Filed July 25, 1924. Serial No. 728,251. 3 Claims. (Cl. 170—110.)



1. In a water wheel, the combination with a hub and spaced side walls and an enclosing rim, of radial spokes arranged in two spaced series within the walls, feathering blades pivoted on said spokes at each side of said wheel, and means carried by said blades for co-action with spokes at the opposite side of the wheel for retaining said blades in operative position.

1,562,487. GUIDE CARD FOR CARD INDEXES. STANLEY ANTHONY, Boston, Mass. Filed Mar. 8, 1923. Serial No. 623,664. 19 Claims. (Cl. 129—16.8.)



17. An index device comprising a card, and a tab formed from a strip of sheet material doubled to provide a pocket for an index element and having its free extremities embedded in the substance of the card.

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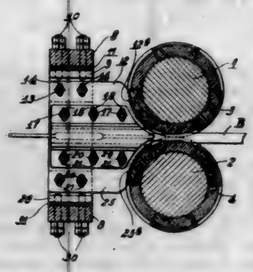
1,562,488. ADJUSTABLE LEADING-OUT GUIDE. GEORGE BAEHR, Irwin, Pa. Filed Mar. 22, 1923. Serial No. 626,764. 4 Claims. (Cl. 80—51.)



1. A stripping device for rolls, comprising a rigidly mounted frame, a supporting member attached to the frame by vertically adjustable means, a stripping guide attached to the supporting member by vertically adjustable means, said stripping guide having its free end extending into the forming groove of the die rolls and its edge in substantial alignment with the bottom of one of the forming grooves.

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1,562,489. COMPOSITION OF MATTER FOR PREVENTING CORROSION AND SULPHATION OF STORAGE BATTERIES. FREDERICK D. BASS, Colorado Springs, Colo., assignor of one-half to B. W. Seldomridge, Colorado Springs, Colo. Filed Nov. 10, 1924. Serial No. 749,036. 5 Claims. (Cl. 136—29.)

1. A composition of matter for use in the treatment of batteries which includes an alkali, a grease, and a means for maintaining the same in a paste form.

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1,562,490. METHOD OF MAKING ARSENATES. HARRY P. BASSETT, Cynthiana, Ky. Filed Feb. 19, 1923. Serial No. 620,050. 6 Claims. (Cl. 23—53.)

1. The method of oxidizing arsenious compounds to form arsenates which comprises treating such compounds with sufficient quantity of a base capable of forming a soluble chlorid and insoluble arsenates to form arsenites of such base, adding chlorine thereto to form arsenates of said base and a chlorid of said base, maintaining the acidity of the solution during oxidation, and adding thereafter an additional quantity of such base until the solution becomes slightly alkaline to form insoluble arsenates of said base and a soluble chlorid of said base.



1,562,491. AUTOMATIC NONPRINTING MECHANISM. FREDERICK W. BERNAU, Newark, N. J., assignor to Ellis Adding-Typewriter Company, Newark, N. J., a Corporation of New Jersey. Filed Sept. 24, 1921. Serial No. 502,858. 7 Claims. (Cl. 235—60.)

2. In an adding, subtracting, or listing machine having a traveling carriage, the combination with a group of movably mounted printing elements representing different numerical orders, of a locking bail operable by the carriage and common to a plurality of predetermined ones of said printing elements and adapted to directly engage with and lock them against movement when said bail is set by the carriage.

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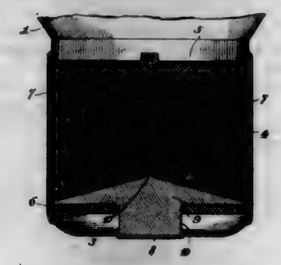
1,562,492. STRAINER. ABRAM BROWN, Maywood, N. J. Filed Mar. 19, 1924. Serial No. 700,298. 4 Claims. (Cl. 210—157.)



1. A strainer, comprising a receptacle having a closed bottom and having screened outlets in its side walls, a removable portable baffle located in the strainer and having a central post supported on the bottom of the strainer and providing an annular space around the post for the collection of sediment under the baffle, the upper face of said baffle of general conical shape.

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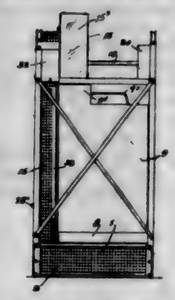
1,562,493. AUTOMATIC RODENT TRAP. ANDREW CHERLANCHAKEVICH, Winnipeg, Manitoba, Canada. Filed Nov. 10, 1921. Serial No. 514,334. 2 Claims. (Cl. 43—76.)

2. A rodent trap comprising an entrance compartment having open ends, normally open gates associated with the ends of the said compartment, means actuated by the entered animal for closing the gates, an elevated discharging compartment, an escape passage connecting the compartments, a normally inert rotary power driven trap door closing the bottom of the discharging compartment, a depressible release door associated with the trap door, means actuated by the depression of the release door under the weight of the animal adapted to release the trap door to rotate and forcibly discharge the animal, means automatically stopping and locking the trap door after it has rotated one revolution, means for resetting the entrance gates in their open position during



the rotary movement of the trap door and an exterminating compartment beneath the discharging compartment for receiving the discharged animal.

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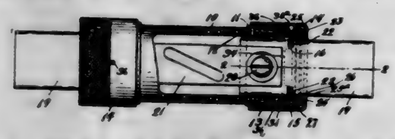
1,562,494. RENEWABLE ELECTRIC FUSE. FRANKLIN N. CONANT, Newburyport, Mass. Reflled for abandoned application Serial No. 477,384, filed June 14, 1921. This application filed Mar. 5, 1923. Serial No. 623,029. 14 Claims. (Cl. 200—132.)



1. A renewable enclosed electric fuse of the cartridge type comprising the combination of a tubular enclosing casing, a knife-blade fuse terminal extended outwardly from within the casing, plates having complemental terminal recesses therein adapted to conform to and envelop said terminal, and means arranged to press said plates inwardly toward each other and into substantial gas tight engagement with said terminal.

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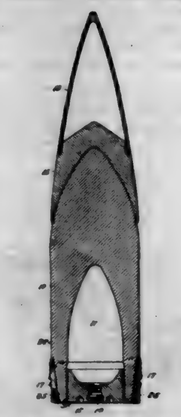
1,562,495. ARMOR-PIERCING SHELL. WILLIAM DALTON, Schenectady, N. Y. Filed Nov. 18, 1921. Serial No. 516,180. 5 Claims. (Cl. 102—29.)



5. In an armor piercing shell, a shell body having a frusto-conical portion at its lower end, said frusto-conical portion meeting the main body of the shell in an undercut, a substantially cylindrical extension below said frusto-conical portion and having cut therein an in-

ward extending weakening groove, threads below said groove, a retaining ring threaded to fit said cylindrical extension and having a conical upper face, a rotating band adapted to fit in said under cut at its upper end, against said frusto-conical portion on its inner face and against the conical portion of said retaining ring at its lower end, and means for preventing relative movement between said retaining ring and said shell body.

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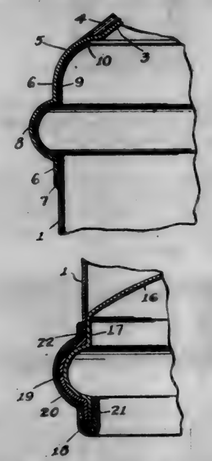
1,562,496. CAN. AUGUSTINE DAVIS, Jr., and ARTHUR L. BETTS, Cincinnati, Ohio; said Betts assignor to said Davis. Filed Aug. 16, 1922, Serial No. 582,126. Renewed Jan. 17, 1925. 9 Claims. (Cl. 220—67.)




3. A can having a shell and a breast having a flange enclosing the upper portion of the shell and welded thereto, a bead rolled out in two thicknesses of metal the upper end of the shell rising upward above the bead and having an inwardly extended seat supporting the breast.

8. In a measuring can or bucket, a shelf, a bottom head having a downturned flange set into the lower portion of the shell, a weld forming a tight bottom joint, a heavy reinforcing ring encircling the lower portion of the shell and said flange, said ring having a portion extending beneath the edge of the shell and flange, and a bead forced outward beyond the lines of the can in the thicknesses of the ring, shell and flange.

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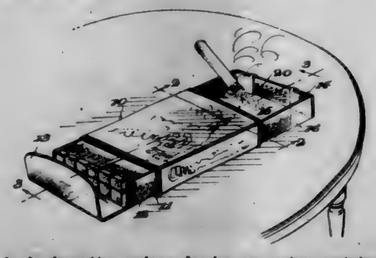
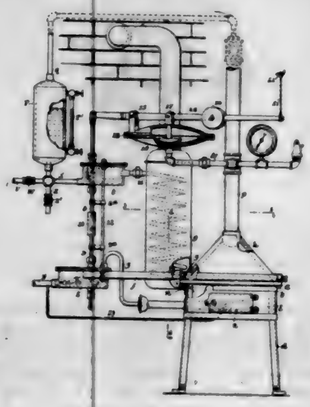
1,562,497. COMBINED CIGARETTE CONTAINER AND ASH TRAY. WILLIAM ROBERTS DERBY, Augusta, Ga. Filed Oct. 1, 1924. Serial No. 741,010. 3 Claims. (Cl. 206—38.)



1. A cigarette package having an outer container and a sliding cigarette tray, and an ash tray fitted in between the container and the cigarette case when not in use and designed to be pulled partly out of the container when in use.

1,562,498. FLASHER STEAM HEATING APPARATUS. DANIEL DE VRIES, Nutley, N. J. Filed Apr. 8, 1924. Serial No. 704,941. 5 Claims. (Cl. 122—40.)



2. A steam heating system including a steam generator and a water conductor leading thereto, in combination with a heater for the generator, back and forth movable means moved in one direction by the pressure in the system and including two valves seatable respectively to damp the flow through the conductor and to damp the heater, one of said valves having a lead on the other in seating, and said conductor having a water trap, and float means in the trap to cushion said first-named valve on seating.

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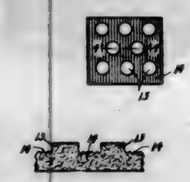
1,562,499. INSULATING PLASTER BOARD. GEORGE H. ELLIS, St. Paul, Minn. Filed Aug. 8, 1923. Serial No. 656,330. 3 Claims. (Cl. 25—42.)



3. A plasterboard comprising a flat body of fibrous material having substantially cylindrical projections extending from one surface thereof, each projection being spaced from the surrounding adjacent projections substantially the same distance, the surface of said board between the projections being provided with adjacent parallel V-shaped ribs.

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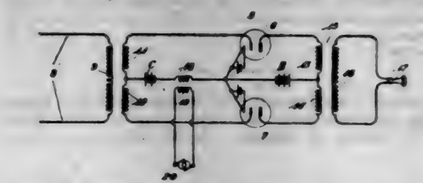
1,562,500. RECEIVING CIRCUITS FOR LOW-FREQUENCY IMPULSES. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 26, 1919. Serial No. 326,527. 4 Claims. (Cl. 178—63.)

4. A receiving device for a signaling system comprising two three-electrode thermionic tubes, means for causing the tubes to produce similar pulsating currents in their output circuits, a circuit for applying said similar pulsating currents oppositely to the receiving device and connections for applying the received signals to the controlling electrodes of said tubes in opposite senses, whereby the amplitude of the pulsating current in the output circuit of one tube is increased, while that of





the output circuit of the other tube is decreased and a feedback circuit connecting the output circuits in said tubes with the input circuits of said tubes.

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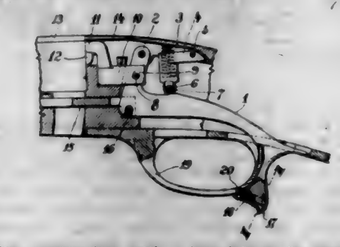
1,562,501. SPORTING GUN. RUDOLF VON FROMMER, Budapest, Hungary. Filed Aug. 25, 1921. Serial No. 495,182. 5 Claims. (Cl. 42—44.)



5. The combination with a breech-lever for guns operable by an upward pressure and adapted to actuate the ordinary bolt employed in locking the barrel, of a bolting block rectilinearly guided in the breech body, and connected with said breech-lever, a stop lug on the bolting block, and a projection on the barrel adapted to be engaged by said stop lug for fixing the barrel in its locked position.

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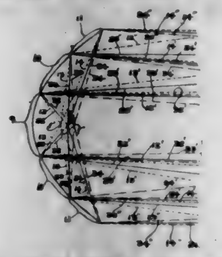
1,562,502. LIGHT PROJECTOR. ROBERT CLYDE GOWDY, Cincinnati, Ohio, assignor, by mesne assignments, to The American Flatlite Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 18, 1924. Serial No. 699,972. 2 Claims. (Cl. 240—41.)



2. A concave reflector having a basic curvature which varies radially to provide a series of concentric zones merging and developing one into another, the basic curvature of one zone being elliptical, and a second zone hyperbolic.

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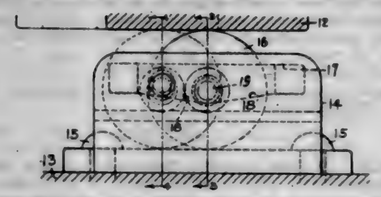
1,562,503. TRUCK BEARING. SOREN HANSSON, Butler, Pa. Filed Oct. 25, 1924. Serial No. 745,931. 3 Claims. (Cl. 308—226.)

1. A truck bearing comprising a casing, an anti-friction roller within said casing normally adapted to seat upon the bottom thereof, inclined guide-ways extending from the mid-portion toward each end of the casing, a yieldable member disposed transversely of the casing and extending through said roller and having its ends disposed within said guide-ways, the parts being so proportioned that when the roller is deflected from normal position, the guide ways will cause distortion of said flexible member to effect return of the roller.



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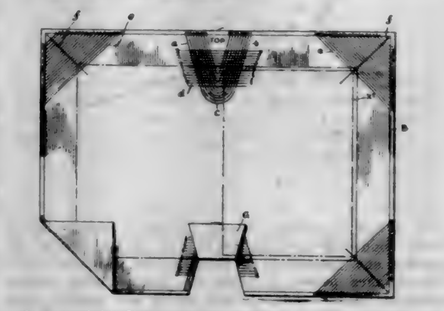
1,562,504. BOOK COVER. ERNEST WALTER JACKSON, Austin, Tex. Filed Jan. 26, 1923. Serial No. 615,073. 2 Claims. (Cl. 281—34.)



1. A book-binding cover comprising a substantially rectangular blank having a series of parallel lines produced on one face of each corner portion thereof and also having on each corner portion a line bisecting the corner angle and also bisecting the first named lines, said first named lines and said second named lines on each corner portion cooperating to indicate the location of the corresponding corner extremity of a book binding of less breadth and length than the blank when said book binding is disposed flatwise upon the blank in centered relation thereto, the corresponding lines of the respective series of first named lines being similarly marked.

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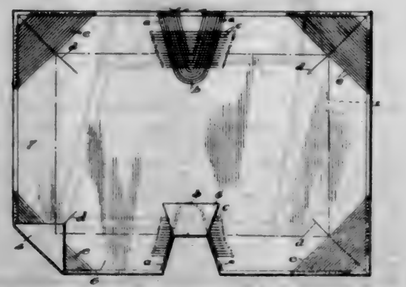
1,562,505. BOOK COVER AND METHOD OF APPLYING THE SAME. ERNEST WALTER JACKSON, Austin, Tex. Filed Feb. 20, 1925. Serial No. 10,579. 4 Claims. (Cl. 281—34.)



1. A one piece book cover for the binding of a book comprising a substantially rectangular blank having series of parallel lines produced on the inner faces of

the corner portions of the blank, said lines extending at an angle of approximately forty-five degrees to the longitudinal edges of the book blank and indicating lines on which said corner portions of the blank may be folded inwardly on the body of the blank underneath the back of the book binding to provide a book binding with a cover of double thickness at the outer faces of the corner portions of the book binding, the outer face of the book cover being continuously smooth throughout its area when applied.

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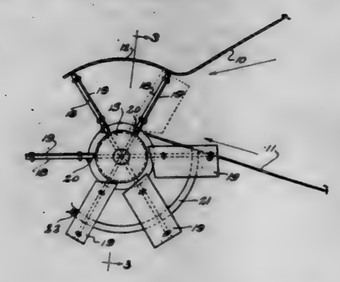
1,562,506. WATER MOTOR. BROOKS O. JENKINS, Birmingham, Ala., assignor of one-half to A. H. Stockmar and one-half to Robt. L. Steadham, both of Birmingham, Ala. Filed Apr. 28, 1924. Serial No. 709,674. 1 Claim. (Cl. 170—116.)



In a water motor, a power shaft, a frusto conical drum connected to said shaft and disposed with its smaller end uppermost, a plurality of transverse horizontal axes passed through the drum, blades rigidly mounted on the ends of said shafts and having their inner edges bevelled to correspond with the angle of the drum's wall, the blades on the ends of each shaft being set at right angles to each other, a flume having at one side a diagonal wall tangential to the drum which extends substantially from top to bottom of the flume, means to guide the idle blades over the diagonal wall of said flume, their bevelled edges permitting them to more quickly clear said flume wall, and means to arrest the blades in vertical position as they swing down under pressure of the water in said flume, said blades when under water pressure being disposed with their inner edges close to the periphery of the drum.

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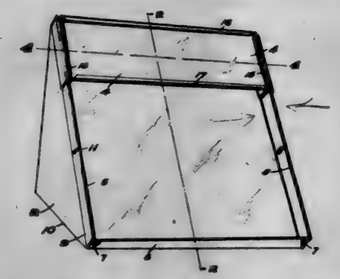
1,562,507. DISPLAY STAND FOR MERCHANDISE. CLARENCE P. JOHNSON, Newton, Mass. Filed June 25, 1924. Serial No. 722,315. 12 Claims. (Cl. 211—28.)



1. A collapsible display stand, having in combination, a tray provided at two opposite sides thereof with upstanding marginal walls formed by bending the material of the tray, triangular pieces of sheet material the hypothenuses of which are detachably secured to said marginal walls, and a bridge member the width of which is less than the corresponding dimension of the tray detachably secured at opposite ends thereof to said two opposite marginal walls of the tray and extending across the tray in spaced relation with the bottom of the tray.

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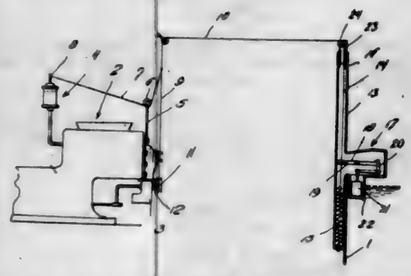
1,562,508. AUTOMATIC FLOW REGULATOR. HARRY G. JOHNSON, Galva, Ill. Filed July 2, 1925. Serial No. 41,136. 3 Claims. (Cl. 103—14.)



3. In a flow regulator of the class described, means adapted to be connected with a part of an engine whereby upon rotation of said means, the engine will be stopped, a flexible element connected with said means, a tubular casing, said flexible element having one end depending into said casing, a coiled spring located in said casing, said flexible element being connected to said spring, a bushing rotatable in said casing, a pulley carried by said bushing, said flexible element being trained over said pulley, a rockably mounted lever having one end projecting into said casing and connected with said flexible element, a bell crank, means for pivotally mounting the bell crank, said bell crank having one arm provided with a hook forming a latch for detachable connection with one end of said lever, and a float connected with the other arm of said bell crank.

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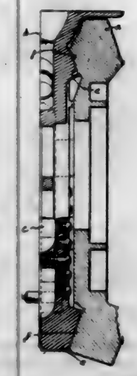
1,562,509. PERMANENT-MOLD CONSTRUCTION. HARRY S. LEE, AMOS E. CHAFFEE, and FRED MILLARD, Plymouth, Mich.; said Chaffee and said Millard assignors of their entire right to the said Lee. Filed Feb. 21, 1925. Serial No. 10,830. 10 Claims. (Cl. 22—136.)



8. In a mold, the combination of a die which expands and tends to bow when heated, and means for automatically applying pressure transversely of said die to counteract the tendency of said die to bow.



1,562,510. PROCESS FOR PROTECTING WOOL, FURS, AND OTHER MATERIALS AGAINST ATTACK BY MOTHS. WILHELM LOMMEL, Wiesdorf-on-the-Rhine, and HEINRICH MÜNZEL, Leverkusen-on-the-Rhine, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed May 10, 1924. Serial No. 712,472. 2 Claims. (Cl. 167—6.)

2. A moth-proof material of fabric consisting of a material or fabric liable to be attacked by moths, having incorporated or combined therewith a moth-repelling chemical substance containing the group

$$-N(R)-X=Y$$

wherein R represents hydrogen or a radical, X represents nitrogen or carbon and Y represents nitrogen, carbon or a nuclear radical.

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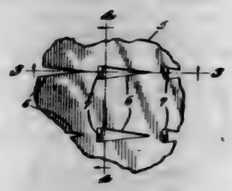
1,562,511. PRESSING BOARD. JOHN LUDWIG, Sr., Dallas, Tex. Filed Oct. 2, 1923, Serial No. 666,150. Renewed May 12, 1925. 1 Claim. (Cl. 69—9.)



A presser plate for presser boards comprising a thin sheet of material, said sheet having a plurality of triangular openings therein, needles projecting from the sheet, the base of each needle being merged into one edge of an associated opening, said needles being of a size and shape corresponding to that defined by the edges of the associated opening.

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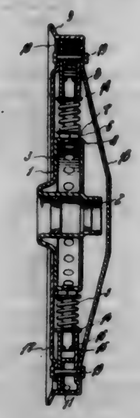
1,562,512. SPRING WHEEL. WESLEY MCBURNETT, Baton Rouge, La. Filed Dec. 19, 1923. Serial No. 681,624. 1 Claim. (Cl. 152—52.)



A wheel of the class described comprising a hub section, radiating bolts carried thereby, a rim section, consisting of a pair of annular plates, spacing plates between the first mentioned plates and bolts connecting the plates together, one of the annular plates having its outer part bent to form a rim receiving part, the outer ends of the radiating bolts extending between the annular plates at the inner edges, springs on said bolts, placed between the hub section and the rim section and front and rear discs fastened to the rim section.

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1,562,513. NAPKIN AND TOWEL DISPENSER. WILLIAM P. MCCORKINDALE, Holyoke, Mass., assignor to Macco Manufacturing Co., Holyoke, Mass., a Corporation of Massachusetts. Filed Oct. 13, 1920. Serial No. 416,724. 2 Claims. (Cl. 45—29.)

1. A dispensing device consisting of a frame having a forwardly and downwardly inclined bottom and stops located near the forward edge thereof, a pair of hanger members provided on said frame above said stops and having rearwardly directed hook-like portions designed to overlie a stack of paper sheets arranged in the frame and forwardly and downwardly extending follower portions and carrying on their lower end a weighted rod supported rearwardly of the center of gravity of said hanger rods and a swinging stop supported on the frame above the said first stop.

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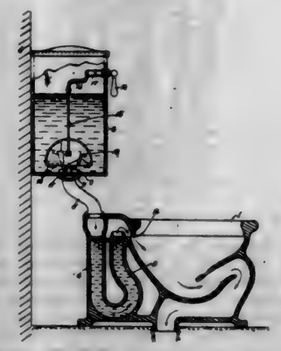
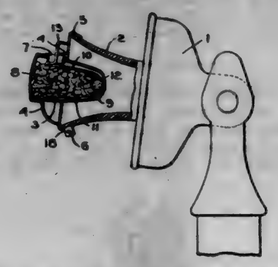
1,562,514. CLOSET TANK. ROBERTO HEYDRICH Y MARTINEZ, Habana, Cuba. Filed June 17, 1925. Serial No. 37,829. 1 Claim. (Cl. 4—43.)



A flush tank mechanism comprising in combination with a tank, a pipe extending upwardly in and terminating slightly above, the bottom of the tank and having an expanding open upper end, a hinged plain hemispherical bell for covering the open upper end of the pipe, and means, arranged within the tank and operable from outside the tank, to raise the bell on its hinge, a series of perforations in the bell and above the lower edge thereof, a support integral with and projecting from the pipe, ears on the support for hingedly receiving the bell, and a shelf on the support to receive the edge of the bell when it is in its lowered position and screw threads on the pipe for connecting it to the tank.

1,562,515. ANTISEPTIC ATTACHMENT FOR TELEPHONES. JACOB I. ORKIN, Boston, Mass. Filed Sept. 29, 1924. Serial No. 740,519. 6 Claims. (Cl. 179—185.)



1. In an antiseptic attachment for telephones, the combination with an antiseptic receiving chamber of a size to set within a telephone mouthpiece, of means for removably securing said chamber to the mouthpiece, said chamber having a filling opening, a pad of absorbent material within the chamber, and means for compressing said pad.

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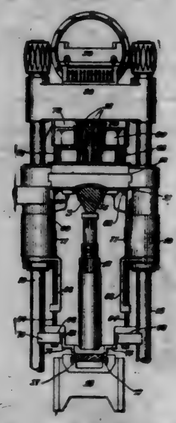
1,562,516. FASTENING-INSERTING MACHINE. ELMER R. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 23, 1923. Serial No. 676,648. 25 Claims. (Cl. 1—18.1.)



1. In a machine for inserting fastenings, a movable support, a plurality of fastening-inserting mechanisms movable independently of each other and co-operating with the support, yieldable means for moving the inserting mechanisms in such independent movement into position for co-operation with the support, and means exerting a tendency to move the inserting mechanisms in opposition to the moving means.

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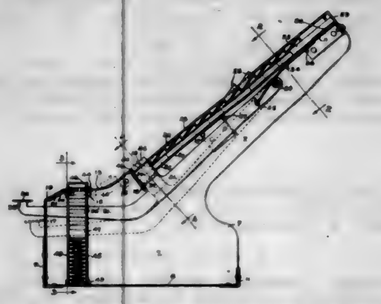
1,562,517. ELECTROLYTE FOR GALVANIC ELEMENTS. RUDOLF PÖRSCKE, Hamburg, Germany. Filed Aug. 29, 1921. Serial No. 496,637. 2 Claims. (Cl. 136—153.)

1. A galvanic cell containing an artificial manganese-oxygen compound as a depolarizer, and containing as an electrolyte, a solution of an alkaline earth metal chloride, such electrolyte being free from ammonium salts, free from dissolved substances of a highly oxidising character, such electrolyte initially also containing a small quantity of a mercury salt.

1,562,518. EDUCATIONAL DEVICE. ARTHUR L. RUNYAN, Long Beach, Calif. Filed Jan. 17, 1921, Serial No. 437,851. Renewed June 18, 1924. 18 Claims. (Cl. 35—9.)



1. In a mechanism of the class described, the combination with a plurality of character blocks, and a displaying support having a front face provided with means for sustaining and displaying the character blocks, of a series of magazines, for said blocks located in rear of the said front face, and an inclined ejecting lever for each of the magazines extending longitudinally of the magazines in rear of the same and having an operating portion and an ejecting portion arranged to move the blocks from a magazine and place them upon a part of the said support.

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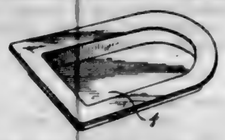
1,562,519. CELLULOID MOLD FOR CEMENTITIOUS PLASTICS. FREDERICK C. RUPPEL, Grand Rapids, Mich., assignor to Hayes Products Company, Grand Haven, Mich., a Corporation of Michigan. Filed Sept. 10, 1923. Serial No. 661,781. 3 Claims. (Cl 25—119.)



1. A mold for cementitious plastics consisting of a bottom and sides integral therewith and formed of a properly formed sheet of celluloid.

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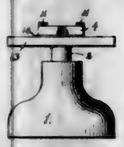
1,562,520. PROCESS FOR MOLDING PLASTIC BODIES. FREDERICK C. RUPPEL, Grand Rapids, Mich, assignor to Hayes Products Company, Grand Haven, Mich., a Corporation of Michigan. Filed Sept. 10, 1923. Serial No. 661,782. 1 Claim. (Cl. 25—158.)



The process of producing plastic bodies which consists in partially filling a mold with a plastic mass, percussing the mold and the mass therein to cause the air bubbles in the mass to rise from that portion of the surface thereof which is in contact with the mold, then permitting the plastic mass to take an initial set, then filling the mold with plastic material, covering and inverting the mold and then percussing the mold and the mass therein to cause the air bubbles in the last filled-in mass to rise from that portion of the surface thereof which is in contact with the mold and cover, and then permitting the plastic mass to harden.



1,562,521. GRIP STRAP. CHARLES P. SCHLEGEL, Rochester, N. Y., assignor to The Schlegel Mfg. Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 2, 1925. Serial No. 262. 15 Claims. (Cl. 115—454.)

3. A grip strap for vehicles having a laterally bendable elongated grip portion comprising a helical spring, a core extending longitudinally through the spring and a covering for the spring having connection with the core at opposite ends of the spring.

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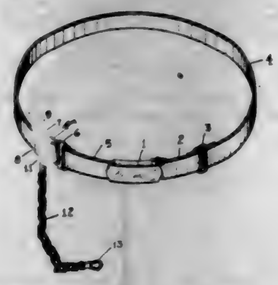
1,562,522. BELT. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Jan. 25, 1924. Serial No. 688,408. 1 Claim. (Cl. 24—3.)



An adjusting slide for belts comprising a front sheet metal portion curved transversely, sheet metal end portions at right angles to and in one piece with the front portion, the lower end portions having formed in one piece therewith at its free end a downwardly turned portion, formed with means for securing a flexible connection thereto, and a relatively narrow anchoring bar secured at its ends to the end portions in spaced relation to the front portion, and a flexible connection secured to the downwardly turned portion on the lower end portion.

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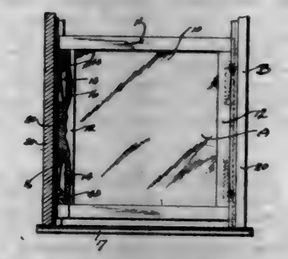
1,562,523. WINDOW-SASH-RETAINING ARRANGEMENT. WILLIAM R. SLAPPEY, Jacksonville, Fla. Filed Apr. 3, 1923. Serial No. 629,661. 4 Claims. (Cl. 292—77.)



1. In combination with a casing including inner and outer strips, of a sash for sliding in said casing intermediate said strips, a trackway carried by said casing intermediate said strips, and resilient members supported by said sash engaging said trackway a cam action being set up between the resilient members and trackway for laterally urging said sash into resilient and yieldable engagement with the inside strip.

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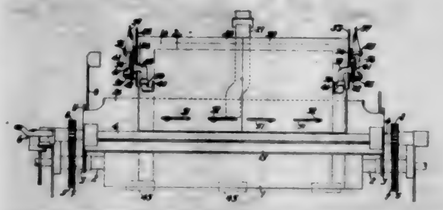
1,562,524. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 5, 1922. Serial No. 586,064. 8 Claims. (Cl. 197—126.)



1. In a typewriting machine for simultaneously writing a series of items on continuous bill webs and on sectional order-sheets with the items spaced farther apart on the order-sheets than on the webs, a work-presenting frame at the intake side of the platen for guiding the webs forwardly to the platen, means on said frame comprising forwardly-diverging members under the rearwardly-extending webs at the intake side of the platen for receiving the order-sheets and guiding them rearwardly into a position beneath the webs from which they may be fed forwardly to writing position, so that they will be presented outside the webs at the line of writing, and means for severing said webs.

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1,562,525. APPARATUS FOR EVAPORATING LIQUIDS INDIRECTLY. KARL LARS ESAIAS THUNHOLM, Orebro, Sweden. Filed Mar. 9, 1921. Serial No. 450,929. 4 Claims. (Cl. 159—37.)

4. An apparatus for heat treating materials including superposed heating elements, each consisting of an annular substantially concavo convex floor provided at its inner edge with an inner ring and provided at its outer edge with an upwardly extending flange and with a downwardly extending annular flange, the upwardly extending flange of each heating element being of less height than the inner ring of the element, substantially annular ribs projecting upwardly from each of said floors and forming substantially concentric shallow channels, means for introducing a heating medium into and discharging the heating medium from said channels, heat transmitting plates arranged between the elements and having their inner edge portions resting on the inner rings and their outer edge portions arranged between the flanges of the elements, and annular flanged members resting on said plates immediately in line with the inner rings and provided with means to permit the fluid being treated to flow off of one heating plate downwardly on to the heating plate below.

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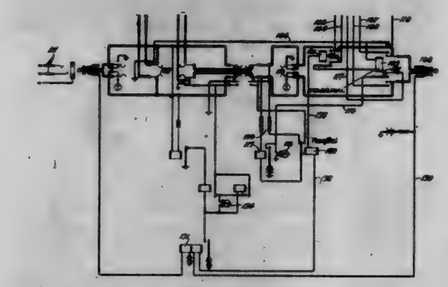
1,562,526. TELEPHONE-EXCHANGE SYSTEM. JOHN F. TOOMEY and HENRY E. PHELPS, New York, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 16, 1923. Serial No. 657,756. 26 Claims. (Cl. 179—27.)

1. In a telephone system, an operator's position, an automatic switch, a trunk circuit extending from the

operator's position to said switch, subscribers' lines terminating in said switch, machine ringing equipment associated with said switch for ringing on said subscribers' lines, a cord circuit at said operator's position for connection with said trunk, a sender circuit adapted to be



switched in connection with said cord circuit for setting said switch, and means associated with said sender circuit responsive to the seizure of an idle subscriber's line by the automatic switch for automatically initiating said machine ringing.

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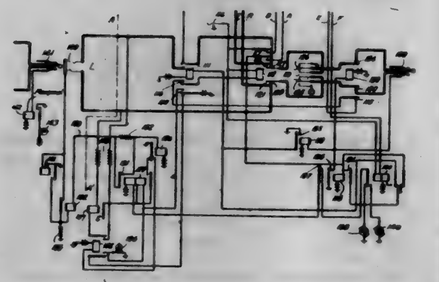
1,562,527. TELEPHONE-EXCHANGE SYSTEM. JOHN F. TOOMEY and HENRY E. PHELPS, New York, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 5, 1923. Serial No. 666,802. 25 Claims. (Cl. 179—27.)



1. In a telephone system, a sender, automatic switches to be set thereby, a manual connecting circuit, means responsive to the actuation of the sender for connecting it to the connecting circuit, and means for automatically disconnecting the sender from said connecting circuit when one of said switches encounters a busy trunk group.

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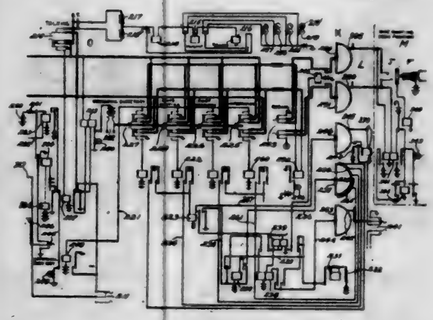
1,562,528. TELEPHONE SYSTEM. JOHN F. TOOMEY and HENRY E. PHELPS, New York, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 15, 1923. Serial No. 674,939. 19 Claims. (Cl 179—27.)

1. In a telephone system, a trunk circuit terminating in a plurality of terminals, an operator's position, a group of connecting circuits terminating in keys at said position, a signaling device at said position for each of said trunk terminals, means responsive to the seizure of said trunk by way of one of said terminals for selecting an idle one of said connecting circuits, and means responsive



to the actuation of one of said keys at said position for actuating the signaling device corresponding to the trunk terminal taken for use.

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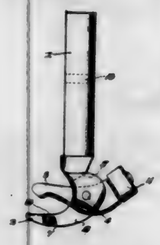
1,562,529. BINDER KNOTTER. ELLIS A. TRUMBO, Greenview, Ill. Filed Apr. 2, 1925. Serial No. 20,189. 1 Claim. (Cl. 289—11.)



A binder knotter of the character specified comprising a supporting shaft, an inverted curved bill at the lower end thereof provided with a centrally disposed uninterrupted longitudinal slot, a pivot pin extending transversely of the slot through the bill, a tongue supported by and adapted to freely oscillate on said pivot pin within the slot, said tongue provided with an integral forward knob, and a roller on the rear end of said tongue, said longitudinal slot extending from the base of the bill to a point adjacent the outer extremity thereof, leaving a solid portion at the tip of the bill provided with a longitudinal channel, said channeled portion providing the minimum practical area for the knob of the tongue and the binding twine and said slot leaving the maximum practical clearance between the outer end thereof and the central bottom edge of the tongue.

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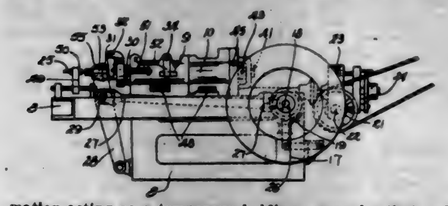
1,562,530. PROCESS AND MACHINE FOR WORKING METAL BARS. HENRY JAMES WARD and WALTER ROY WARD, Balmain, Sydney, Australia. Filed Feb. 8, 1924. Serial No. 691,520. 4 Claims. (Cl. 219—3.)

1. A process of manufacturing successively a plurality of formations on a metal bar, consisting of holding the portion of said bar to be operated upon between a pair of insulating heads, passing an electric current through said portion to raise same to the required temperature, forming the desired formation thereon by pressure, and



automatically feeding said bar forward into position for the next successive formation, the immediate prior for-



mation acting as a temporary holding means for that end of the bar, the end of the bar forming holding means for the first formation.

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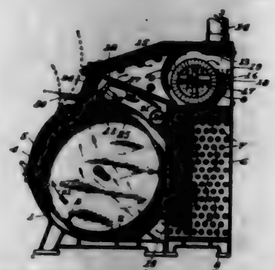
1,562,531. DRYING TUMBLER. FRANK M. WATKINS, Cincinnati, Ohio. Filed Jan. 17, 1920, Serial No. 352,238. Renewed Apr. 20, 1925. 12 Claims. (Cl. 34—5.)



11. In an up-draft tumbler the combination of a goods containing element, an air moving element for causing a circulation of air within the machine, means for removing moisture-laden-air from the machine, a lint screen in the air outlet passage from the goods containing element, a lint receptacle below said screen, and means cooperating with said screen for removing the deposit of lint therefrom.

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1,562,532. STANDARD FOR SCALES AND THE LIKE. MATHIAS J. WEBER, Chicago, Ill., assignor to Continental Scale Works, Chicago, Ill., a Corporation of Illinois. Filed Feb. 3, 1922. Serial No. 533,791. 13 Claims. (Cl. 265—55.)

1. A standard for weighing scales and the like, comprising a tubular upright of sheet metal, a socket forming member receiving an end of said upright, an interior collar positioned within the upright and located partially within and partially above said socket forming member, and holding means extending through the socket forming member and the upright and bearing against said interior collar.

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1,562,533. SEALED JOINT. EZECHIEL WEINTRAUB, Neuilly-sur-Seine, France. Filed Feb. 15, 1923. Serial No. 619,173. 4 Claims. (Cl. 49—81.)

1. An electrical device comprising an evacuated vessel, an electrode extending from the exterior to the interior of said vessel, and an airtight joint interposed between said electrode and said vessel, said joint comprising a pair of metallic members having substantially parallel adjacent surfaces, and a layer of fusible nonconducting vitric material having a coefficient of expansion substantially equal to that of the metallic members, said layer being interposed between and adhering to said surfaces.

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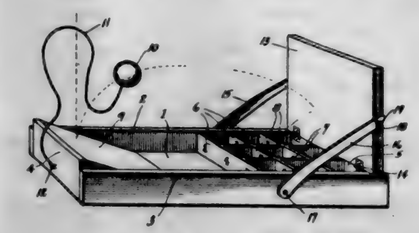
1,562,534. GAME. BROR WINGARD, Everett, Wash. Filed Mar. 28, 1925. Serial No. 18,975. 4 Claims. (Cl. 273—98.)



1. A game of the character described, comprising a base member, a plurality of pockets arranged at one end of said base, an inclined platform at the other end of said base and a captive ball adapted to be bounced from the platform into said pockets.

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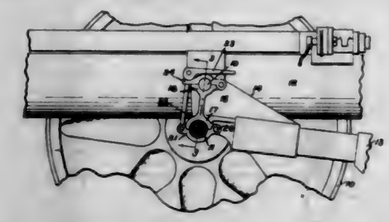
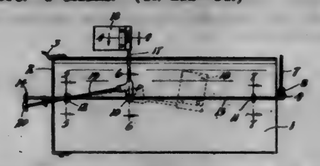
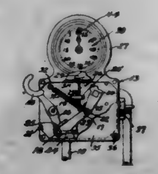
1,562,535. TOP CARRIAGE FOR GUNS. HARRY C. ZIMMERMAN, Washington, D. C. Filed Aug. 25, 1924. Serial No. 734,061. 14 Claims. (Cl. 89—40.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



13. A top carriage for guns embodying a pair of upright supports adapted to rest on the gun carriage axle and receive the gun trunnions, means for locking the supports to the axle and to the trunnions, and a bar connecting the supports and carrying said locking means.

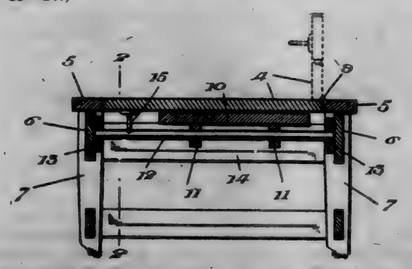
1,562,536. MAIL-BOX SIGNAL. CHARLES E. BEBO, McIntosh, Minn. Filed Aug. 8, 1923. Serial No. 656,896. 3 Claims. (Cl. 232—34.)

1. The combination with a rural mail box, of a lever pivoted at one end thereof, a flag signal carried at one end of said lever, a weight at the other end of said lever to hold said flag normally elevated, spaced guides along one side of said box, a rod slidable in said guides having an open loop in one end adapted to engage said lever and hold the same in position with the signal depressed, said rod being movable longitudinally to release said lever and having operating means at its end opposite said lever, a second lever pivoted at the side of the box and carrying a signal at one end, a rod disposed at the side of the box pivotally connected to said lever, guiding means through which said rod passes, and operating means at the end of said rod disposed adjacent the operating means on said first mentioned rod whereby both signals may be operated simultaneously.

1,562,537. TIME-CONTROLLED MECHANISM. FREDERICK JAMES BLUM, Sr., Oak Park, Ill. Filed Dec. 14, 1922. Serial No. 606,799. 8 Claims. (Cl. 161—7.)



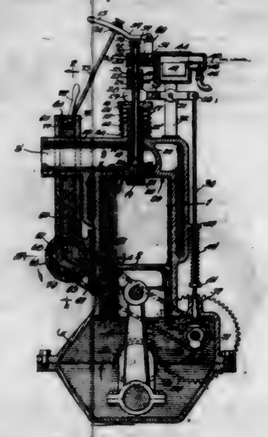
3. The combination in a time controlled mechanism of the character described, of a device having parts arranged to be set approximately in dead center position, means for yieldingly holding said parts in said position, an actuating arm for throwing said parts out of said position, a clock operated member for moving said arm to throw said parts from said position, and means for adjusting the extent of movement of said parts at dead center position through which said member must operate the same to throw them out of dead center position.

1,562,538. COMBINATION TABLE AND IRONING BOARD. DANIEL B. BRICKLEY, Warren, Ohio. Filed July 2, 1923. Serial No. 649,110. 1 Claim. (Cl. 45—17.)



A table comprising a frame having supporting legs, a top on said frame having a section adapted to be raised, a straight cross rod having its ends secured within said frame near one end thereof so as to remain fixed within the frame below the upper edge thereof, a cross bar carried by the frame within the same near the opposite end thereof, and an ironing board under said section of the top and extending over said rod and bar with its ends spaced from the ends of the frame, the ironing board being seatable on said bar and having portions rotatably and slidably engaging said rod.

1,562,539. INTERNAL-COMBUSTION ENGINE. DON COLE, Chicago, Ill., assignor of one-half to John A. Dienner, Chicago, Ill. Filed Sept. 9, 1918. Serial No. 253,140. 14 Claims. (Cl. 123—31.)



1. In a four-cycle internal combustion engine, a cylinder, a piston, a cylinder head closing one end of said cylinder, an exhaust valve at the head end of said cylinder, a fuel inlet adapted to admit fuel to the cylinder during the initial part of the suction stroke, an air inlet port at the other end of the piston stroke adapted to separately admit air to said cylinder during the latter part of the suction stroke, a continuously rotating valve controlling said air inlet port, a fuel passage in said exhaust valve, a fuel conduit individual to said fuel inlet and extending between said fuel inlet and the fuel passage in said exhaust valve, and means for jointly controlling the admission of fuel and air through said fuel inlet and through said air inlet port.

1,562,540. TIN-ZIRCONIUM ALLOY AND PROCESS OF MAKING THE SAME. HUGH S. COOPER, Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc., a Corporation of New York. Filed June 27, 1922. Serial No. 571,294. 9 Claims. (Cl. 75—1.)

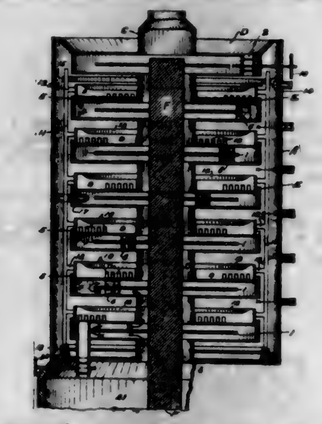
3. A pyrophoric alloy containing zirconium and 20% to 40% of tin.

1,562,541. OIL-SHALE RETORT. STEPHEN H. CORFIELD, San Diego, Calif. Filed May 10, 1922, Serial No. 559,839. Renewed Aug. 26, 1925. 1 Claim. (Cl. 202—14.)

An oil shale retort comprising a casing having a closed top and bottom and through which oil shale is passed; a plurality of spaced apart superimposed tables concentrically within said casing; a vertical support centrally in said casing and tables; a plurality of baffle plates secured on said support and spaced between said tables to direct currents of heat around said tables; a skeleton frame operable concentrically within said casing; a plurality of scrapers carried by and operable

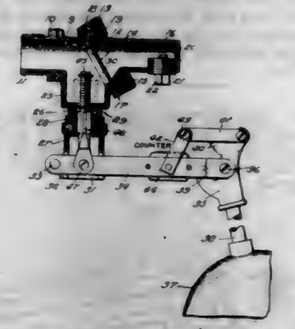


with said frame and spaced one above each of said tables, and having a portion of each scraper cut into blades, with the blade portions alternately staggered in relation to the uncut portions; with means to rotate



said frame and scrapers to move shale from one table to the table below it through an opening cut in the floor of the table offset in position relative to the other openings.

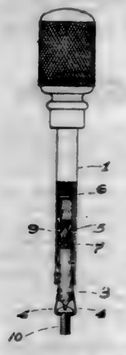
1,562,542. INTAKE REGULATOR FOR SIPHON TANKS. JAMES W. COX, Chicago, Ill., assignor to Pacific Flush Tank Company, Chicago, Ill., a Corporation of Illinois. Filed July 21, 1921. Serial No. 486,449. 7 Claims. (Cl. 137—104.)



1. In a device of the class described, an inlet fitting having an outlet perforation, a pocket formed in the bottom of the fitting between the inlet and said outlet perforation, a screen arranged in the fitting between the inlet and said outlet perforation and above and extending over at least a portion of the pocket so that heavy matter intercepted by the screen may fall into the pocket, an outlet opening in the bottom of said pocket, an upwardly opening valve normally closing the outlet opening in the pocket, and a float connected to the valve for opening the latter.

1,562,543. SCREW-DRIVER. SETH J. COX, Franklin, Pa. Filed June 27, 1925. Serial No. 40,034. 1 Claim. (Cl. 145—52.)

In a screw driver which comprises a tubular shank of rectangular cross-section adapted to receive and carry the screw-driving bit in such manner as to rotatively actuate the same and so that said bit may have longitudinal movement within said shank, and a longitudinally movable, rectangular bit carried within and adapted to be rotatively actuated by said shank; the combination with the foregoing structure of a screw-engaging jaw member of bifurcated formation composed of spring steel arranged to receive said bit between the legs thereof, said bit and said jaw member being adapted to be carried within and to be retained in their relative

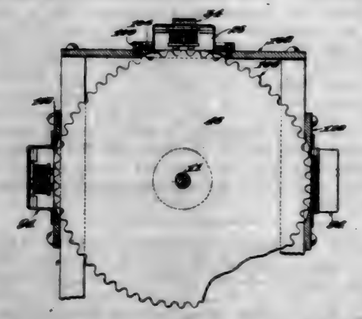


position by said shank, also to have longitudinal movement therein and longitudinal movement relative to each other, whereby said jaw member is caused to engage a screw and to hold the same in actuative relation to said bit, also to be moved and position rearwardly of the point of said bit out of such engaging relation, means arranged to limit said longitudinal movement of said bit within said shank, and means limiting the relative longitudinal movement of said bit and said jaw member.

1,562,544. INK. CHARLES L. CUNNINGHAM, Baltimore, Md. Filed Aug. 14, 1924. Serial No. 731,962. 10 Claims. (Cl. 134—28.)

1. A penetrative ink which includes alcohol, an ethyl ester of a kind that acts as a solvent for softening and penetrating a hardened non-hydroscopic coating, and suitable coloring matter.

1,562,545. APPARATUS FOR TESTING TELEPHONE RECEIVERS. VERNON DURBIN, Newton, Mass., assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass., a Corporation of Massachusetts. Filed Apr. 13, 1923. Serial No. 631,818. 13 Claims. (Cl. 179—175.)



10. In an apparatus for testing telephone receivers having, in combination, means for generating sound energy of a constant value and at different frequencies, means for placing a telephone receiver in fixed position

adjacent to the sound generating means, electrical apparatus for measuring the electrical output of the receiver, a standard receiver, means for generating electrical voltages in the standard receiver, and connections between the standard receiver and the electrical measuring apparatus for calibrating the latter.

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1,562,546. SAFETY RAZOR. WILLIAM C. EDWARDS, Jr., Kansas City, Mo. Filed Oct. 9, 1922, Serial No. 593,359. Renewed May 11, 1925. 44 Claims. (Cl. 30—12.)

1. In a razor, the combination with a flat blade, of a support for the blade arranged to support said blade near its longitudinal edges; a guard plate, studs rigid with the support for positioning said blade intermediate the support and the guard plate; openings through the guard plate to pass the studs and edge portions of said guard plate adjacent said openings arranged to contact outer and inner elements of said studs and to lock and space said guard and support a predetermined distance apart against movement from or towards each other and within which predetermined spacing the blade is transversely flexible.

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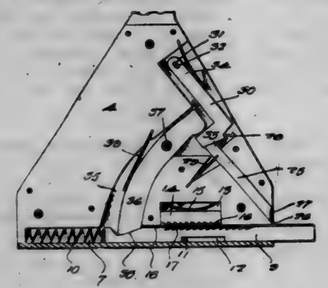
1,562,547. AUTOMATIC HAMMER. JAMES A. FARLEY, Galveston, Tex. Filed June 23, 1925. Serial No. 39,090. 8 Claims. (Cl. 1—51.)



6. An automatic hammer comprising a head, a handle therefor, a sliding plunger arranged in said head, the forward end of said plunger projecting beyond the forward end of the head of the hammer, means for feeding the free end portion of a wire along the side face of said plunger, a cutter bar slidably mounted in said head, the lower end thereof being provided with a cutting edge for cooperation with the side face of the projected end of the plunger whereby the free end portion of the wire is cut to form a nail, a dog mounted in the head and engaging the upper end of said cutter bar, and means operable by the rearward sliding movement of the plunger for actuating said dog and said cutter bar, said means comprising a lever pivotally supported intermediate its ends in the head, one end of said lever engaging said dog, the inner end of the plunger being provided with a cam for cooperation with the other end of the lever.

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1,562,548. METHOD OF MAKING BELTS. ABRAHAM L. FREEDLANDER and WILLIAM G. GOODWIN, Dayton, Ohio, assignors to The Rubber Development Company, Dayton, Ohio, a Trust Estate. Original application filed Apr. 2, 1923, Serial No. 629,255. Divided and this application filed Mar. 3, 1924. Serial No. 696,470. 4 Claims. (Cl. 154—4.)

1. In a method of manufacturing a belt, placing a cylinder of belt material on a cutting drum, cutting the material into annular members triangular in section, placing one of such sections on a mandrel, cementing in reverse position a second section to the first one while on the mandrel, removing the two sections from the

mandrel and reversing in position, applying a third section in reverse position to the first section on the side opposite to the second section, and removing from the mandrel.

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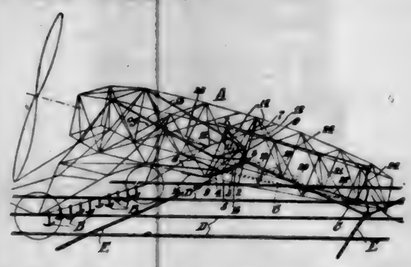
1,562,549. AIRPLANE. CHARLES WARD HALL, Larchmont, N. Y. Filed Jan. 3, 1924. Serial No. 684,108. 8 Claims. (Cl. 244—2.)



1. In an airplane, an arresting gear comprising a hook and a universal joint connection by which the shank of the hook is attached to the body framework of the airplane the length of the shank in front of the stern post said point of attachment located at a point above the bottom of the body when the hook is operatively engaged whereby its line of pull will project forwardly and upwardly close to the center of gravity of the machine.

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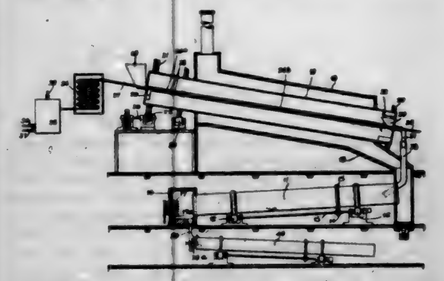
1,562,550. REVIVIFYING FULLER'S EARTH. FRANK W. HALL, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed July 28, 1923. Serial No. 654,302. 6 Claims. (Cl. 252—2.)



1. The process of treating spent absorbent material used in refining mineral oils that comprises subjecting the material to the distilling action of a carrier gas and then heating the material in the presence of air.

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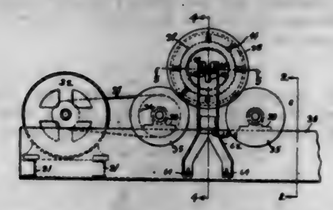
1,562,551. CONCRETE-PIPE MACHINE. HOWARD A. HALL, Eugene, Oreg. Filed Sept. 4, 1923. Serial No. 660,764. 4 Claims. (Cl. 25—30.)

1. In a concrete pipe machine, the combination of a form, means for rotating said form, end rings removably



placed in said form, and a sweeping device adapted to sweep water out of the pipe being formed consisting of



a plurality of sweeps set spirally in said form in a manner to allow said sweep to rest lightly on the inner surface of the pipe being formed.

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1,562,552. ELECTRIC-IRON PLUG. FRANK H. HANLEY, Detroit, Mich. Filed Feb. 9, 1923. Serial No. 617,917. 1 Claim. (Cl. 219—25.)

The combination with an electrical heating iron having posts, a switch, and a leading-in conductor, of a plug detachably mounted on said iron posts, sockets in said plug with one of said sockets connected direct to one of the leading-in wires of said conductor, the other socket having a leading-out wire connected to said switch, and a connector in said plug establishing an electrical connection between said switch and the other leading-in wire of said conductor.

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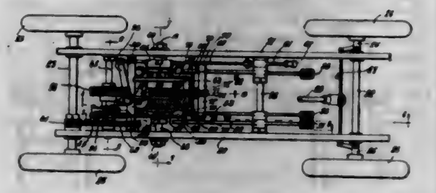
1,562,553. OCCUPANT-PROPELLED VEHICLE. PETER HANSEN, New York, N. Y. Filed Dec. 27, 1924. Serial No. 758,848. 5 Claims. (Cl. 208—163.)



1. An occupant propelled vehicle comprising in combination with a chassis frame having front and rear wheels, of a steering means, alternately operable pedals to move the vehicle forward, a single pedal to move the vehicle backward, intermediate gear trains to transmit the movement of the pedals to the rear wheel axle, and means for disengaging the gear trains therefrom.

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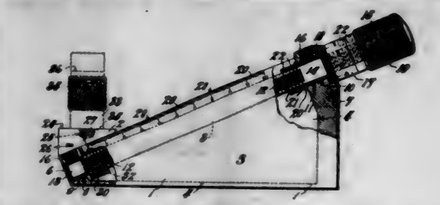
1,562,554. MICROMETER HEIGHT GAUGE. GEORGE J. HARDGROVE, Lovell, Wyo. Filed June 8, 1923. Serial No. 644,208. 16 Claims. (Cl. 33—162.)

1. A device of the class described, comprising a body having a base and an inclined surface, the inclination of which to the base is at an angle of 23° 36.14', said body having a pair of screw bearings, the axes of which lie at the same inclination as that of the inclined surface of the body, a screw rotatably held in said bearings against longitudinal movement and having a pitch of forty threads per inch, a movable member mounted to slide on the inclined surface of said body and having a



threaded portion to engage said screw, said body having a scale associated with said inclined surface and said movable member, and means by which said screw may be turned.

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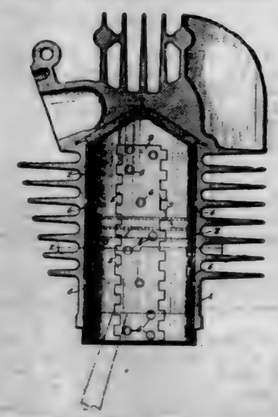
1,562,555. CYLINDER. WILLIAM S. HARLEY, Milwaukee, Wis., assignor to Harley-Davidson Motor Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 5, 1919. Serial No. 302,006. 6 Claims. (Cl. 74—108.)



1. An aluminum cylinder having wear resisting inserts cast integral with the cylinder on opposite sides thereof to take the side thrust of the piston due to the crank connection, each independent insert having an extensive edge contacting directly with the aluminum body whereby an extended area is afforded for holding the insert in position and for dissipating heat.

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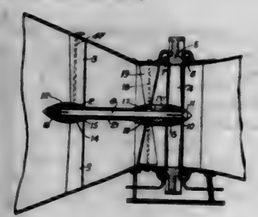
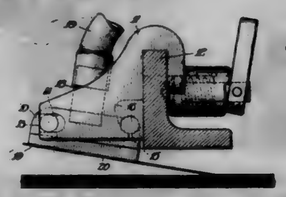
1,562,556. HYDRAULIC TURBINE. LEROY F. HARZA, Chicago, Ill. Filed Dec. 18, 1922. Serial No. 607,551. 14 Claims. (Cl. 253—148.)



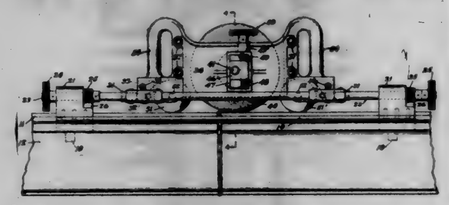
1. A hydraulic turbine comprising an axial flow runner having a rim exteriorly accessible and forming a portion of the water conduit, a shaft for said runner, and bearings for said shaft arranged within said conduit and attached to the walls thereof.

1,562,557. SHEET SEPARATOR. CARL HENDERSON, Chicago, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 14, 1923. Serial No. 618,923. 8 Claims. (Cl. 294—64.)



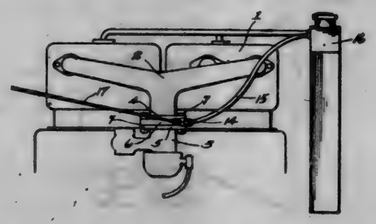
1. A suction shoe for separating one sheet of material from another, comprising a body, the bottom of which lies in two planes which are separated by shoulders lying along diverging lines, there being a suction opening in each of said two planes of said bottom, whereby the sheet is buckled over said shoulders in diverging lines for effectively separating the top sheet and facilitating the withdrawal thereof from the second sheet.

1,562,558. RAIL GRINDER FOR ELECTRIC BUTT-WELD JOINTS. WALTER HOSSON, Philadelphia, Pa. Filed Sept. 1, 1921. Serial No. 497,599. 25 Claims. (Cl. 51—178.)



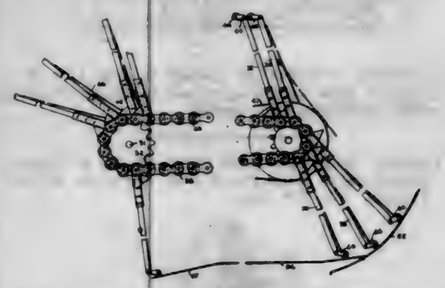
1. In a rail grinder, clamping means for securing the grinder to a rail, a guide extending longitudinally of the grinder and about which the grinding mechanism is adapted to swing, an adjustment for moving the mechanism laterally with respect to the rail, a frame swinging with respect to the guide, a grinding wheel carried by the frame and whose axis of rotation is adapted to rock and a supporting wheel adapted to rest upon the rail maintained in axial parallelism with the grinding wheel and determining the depth to which the grinding wheel grinds.

1,562,559. FUEL-MIXING DEVICE. STANLEY B. HOLMES, Seattle, Wash. Filed July 27, 1922. Serial No. 577,896. 1 Claim. (Cl. 123—25.)



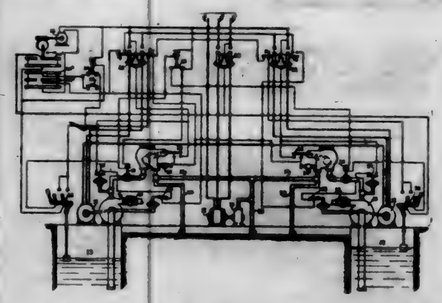
A fuel mixing device adapted to be interposed in the piping between a carburetor and point of combustion of an internal combustion engine comprising a casing having a Venturi passage therethrough and an annular channel about the passage, means for conducting air and water vapor into the said channel and a plurality of small openings in the casing leading from the channel and opening upwardly into the Venturi passage beyond its most restricted part and in the direction of flow of the fuel through the device.

1,562,560. SHEET-CONVEYING APPARATUS. AUGUST HORMEL, Jersey City, N. J. Filed Feb. 8, 1923. Serial No. 617,801. 19 Claims. (Cl. 198—134.)



1. In a drying chamber of the class described, a conveyor at the front for feeding printed sheets with the wet side up, an endless conveyor within said chamber for carrying said sheets substantially vertically with the wet side always facing in the same direction, said endless conveyor having a series of frames with pivoted toes at the free ends thereof.

1,562,561. CONTROLLER FOR POWER-DRIVEN PUMPS. BAYARD M. HORTON, Kingston, Pa., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 23, 1923. Serial No. 620,708. 11 Claims. (Cl. 103—25.)

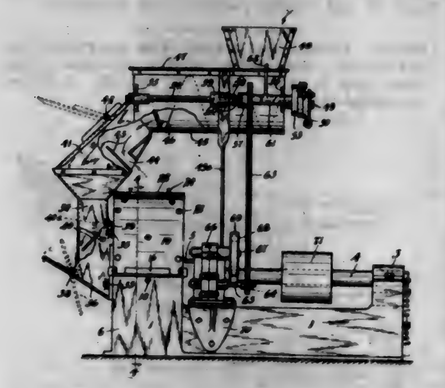


1. In a controller for a plurality of individually driven pumps, the combination with common priming means for the pumps, of automatic means limiting the effect of the priming means to the pumps singly.

1,562,562. FEED-GRINDING MACHINE. AXEL E. JACOBSON, Minneapolis, Minn. Filed Apr. 21, 1923. Serial No. 633,732. 16 Claims. (Cl. 83—11.)

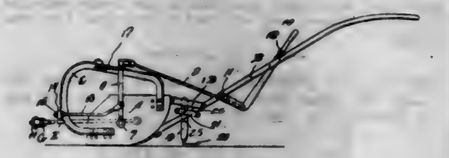
1. A grinding machine having in combination, a casing, a grinding surface secured therein, a rotary grinding member disposed in said casing and co-operating with said surface and constituting a fan, said casing having an axial lateral opening forming the eye of said fan, an upwardly extending housing communicating with said eye, and an inclined chute to which the material to be ground is delivered, a baffle plate extending upwardly across the major part of said chute, said chute having an opening in its lower side immediately above and adjacent said baffle plate through which air is drawn by said fan





to lift the material delivered to said chute over said baffle plate and through which heavy foreign material may pass.

1,562,563. ATTACHMENT FOR LOADERS. PATRICK H. JOHNSON, Vale, Oreg. Filed June 2, 1925. Serial No. 34,397. 3 Claims. (Cl. 37—140.)



1. A device of the class described wherein a loader includes a scoop, rocker frames on the scoop, a handle extending from the scoop, a draft appliance attached to the scoop, comprising a bar, a pair of links attached to the bar, said bar being located forwardly of the rocker frames and adapted to normally rest on the draft appliance, a pair of arms pivoted to the sides of the scoop, said links being pivoted to intermediate portions of the arms, a member connecting the free end of the arms, and means for moving the member, so as to rock the arms to bring the bars in frictional engagement with the rocker frames.

1,562,564. PROCESS FOR BRIQUETTING FUELS. ROBERT KATTNER, Grochau, Germany, assignor to Frankensteiner Magnesitwerke A. G., Grochau, Germany. Filed Sept. 19, 1925. Serial No. 57,465. 5 Claims. (Cl. 44—26.)

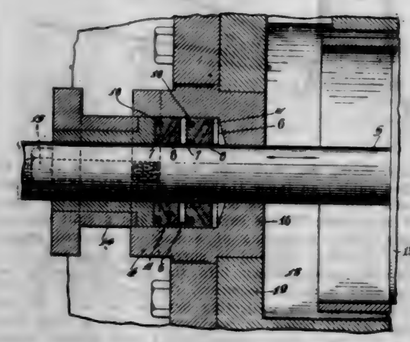
1. A process for briquetting fuels which consists in first intimately mixing the fuels with magnesium chloride, then adding magnesium oxide and then moulding and compressing the mixture to the desired shape, water being added if necessary.

1,562,565. HINGE FOR VANITY BOXES AND THE LIKE. CARL KOSS, Newark, N. J. Filed June 19, 1924. Serial No. 721,056. 2 Claims. (Cl. 16—128.)

1. A sheet metal hinge comprising a member in the form of a substantially cylindrical hollow seat open at one side, a member in the form of a hollow, substantially cylindrical, open-ended pintle lug having a shank, the pintle lug being rotatably received in the seat with the

shank extending through the open side of the latter, and means integral with the ends of the seat engaging in the open ends of the pintle lug.

1,562,566. PACKING CONSTRUCTION. DON A. LEIGH, Fellows, Calif. Filed Mar. 12, 1924. Serial No. 698,768. 1 Claim. (Cl. 286—25.)

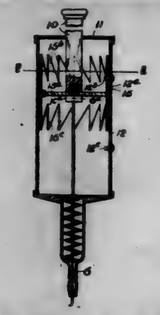


A packing construction comprising a cylinder, a stuffing box at one end of the cylinder, a plunger in the cylinder, a rod for the plunger projecting through the stuffing box, a sectional ring in the base of the stuffing box surrounding the rod and having a beveled face turned away from the cylinder, and an abutment ring fitting tightly in the bore and having a beveled face for the first beveled face to engage, said abutment ring being spaced a greater distance from the inner end wall of the stuffing box than the thickness of the sectional ring to permit reciprocation of the sectional ring, and the outside diameter of the sectional ring being less than the diameter of the bore of the stuffing box when the sectional ring is contracted upon the rod.

1,562,567. FILM-INDICATING SHUTTER DEVICE FOR CAMERAS. HANS LEPPERHOFF, Reading, Pa. Filed Mar. 21, 1925. Serial No. 17,277. 6 Claims. (Cl. 235—8.)

2. In a shutter device for cameras comprising a shutter-rod plunger; a cylindrical casing having a number-exposing wall aperture and inwardly extending wall projections above and below said aperture, and an indicator wheel carried by and freely rotatable upon said

plunger; said indicator wheel having oppositely extending cogs adapted to successively engage said upper and lower wall projections so as to impart a determined rotary movement to the wheel at each reciprocation of the plunger.



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1,562,568. GUY-LINE FASTENER. REYNOLD LINQUIST, Portland, Oreg. Filed May 12, 1924. Serial No. 712,648. 2 Claims. (Cl. 24—136.)

1. A clamp for wire rope consisting of an outer U-shaped guide; an inner U-shaped slide dove tailed within said outer guide, the bottoms of said U-shaped members converging toward each other; and a split rope-engaging clamp consisting of a pair of grooved wedge-shaped members adapted to surround a rope and to be compressed when drawn into the tapered opening between said U-shaped members, the narrow end of said U-shaped members projecting beyond the ends of said clamps at all times, in combination with a block having a suitable anchor strap; and a face against which the narrow end of said dove tailed clamp members can bear in a manner than when placed on the hauling end of a guy line said wedges will be forced against said guy line without touching said block.

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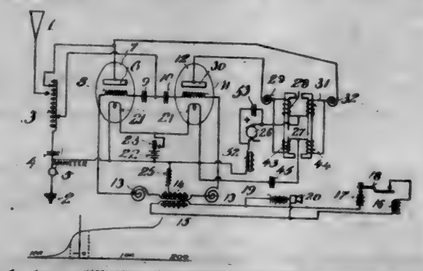
1,562,569. OSCILLATING-CURRENT SYSTEM. CHARLES V. LOGWOOD, New York, N. Y. Filed May 28, 1921. Serial No. 473,363. 12 Claims. (Cl. 179—171.)



1. An oscillation generator system comprising two audions having the plate electrodes thereof connected in parallel, an oscillating circuit operatively associated with the plate electrodes of said audions, a circuit including a source of current connecting said plate electrodes and the filament electrodes of said audions, and means for alternately charging alternate grid electrodes of said audions positively and negatively.

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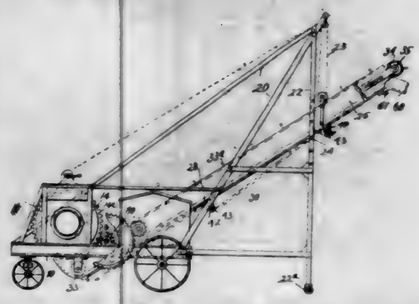
1,562,570. CONCRETE MIXING AND DISTRIBUTING MACHINE. STEWART R. MCKAY, Cleveland, Ohio. Filed June 9, 1920. Serial No. 387,590. 9 Claims. (Cl. 198—122.)



1. In a device of the character described, the combination of a wheeled truck, a derrick thereon, an inclined trough pivoted to the truck, a concrete mixer on said truck, means to discharge material from the mixer into said trough, means carried by the derrick to support the front end of the trough, an endless flight conveyor in said trough, means to actuate said conveyor, a perforated water pipe connected to the trough extended lengthwise thereof and arranged to discharge into said trough.

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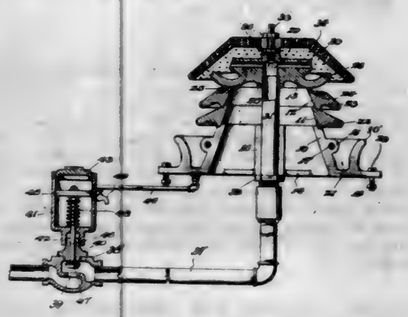
1,562,571. OIL BURNER. WILLIAM H. MCKENZIE, Chicago, Ill. Filed Sept. 14, 1923. Serial No. 662,683. 9 Claims. (Cl. 158—91.)



9. In an oil burner, a plurality of annular rings arranged one above the other, the bottom and top rings having a peripheral gully at their bases, the lower intermediate ring being larger than the one thereabove, a conduit conducting oil into the top gully whereby said liquid will drip downwardly successively on said rings, and a wick arranged about the periphery of the uppermost of said intermediate rings.

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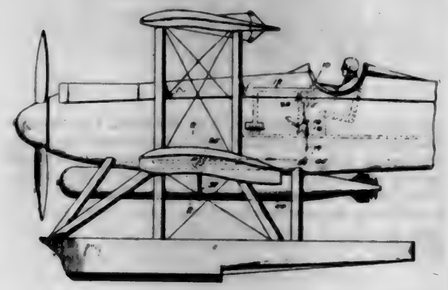
1,562,572. BOMB OR TORPEDO RELEASE CONTROL MECHANISM FOR AIRPLANES. SAMUEL BARTOW MCMURRAIN, Washington, D. C. Filed Apr. 24, 1925. Serial No. 25,716. 4 Claims. (Cl. 244—1.)

1. In an airplane, in combination, releasing mechanism, a steering control member, a switch associated



therewith, an electric circuit including a solenoid controlled by said switch, a hook associated with said solenoid, a tripping latch having an eccentric lug actuated by said hook, a pull rod having a notch engaged



by said lug whereby said rod is held in cocked position, an actuating spring for said rod and releasing cables connected with said rod adapted to be released when said first mentioned switch is closed.

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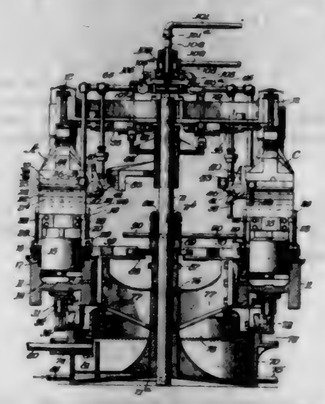
1,562,573. ROTARY HYDRAULIC PRESS. ALBERT J. MATTER, Chicago, Ill., assignor to Elmes Engineering Works, Chicago, Ill., a Corporation of Illinois. Filed Dec. 2, 1920. Serial No. 427,674. 11 Claims. (Cl. 18—17.)



1. In apparatus of the class described, a combination comprising a frame, an actuated press member mounted thereon, a cooperating press member, a movable spacer cooperating with said cooperating press member and frame to support pressure from the actuated press member, and means for inducing a tension upon said spacer while under pressure from the actuated press member, said means being effective by said tension to move the spacer when it is relieved from such pressure.

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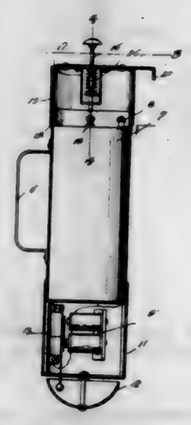
1,562,574. PORTABLE BURGLAR ALARM. GEORGE J. MAUD, Adena, Ohio. Filed July 10, 1923. Serial No. 650,608. 2 Claims. (Cl. 177—314.)

1. A device of the class described comprising a casing open at one end, a battery inserted into said casing through said open end and having its contacts close to said end, a closing cap for said open end fitted thereon, a guide carried by said cap and disposed in alignment with one of said contacts, a spring pressed circuit closing rod slidably mounted in said guide and adapted to be pressed against said last mentioned contact, said rod being provided between its ends with a retainnig



shoulder, a trigger slidably mounted upon the cap and provided with a key hole slot through which said rod passes slidably, the shoulder on said rod being operable with the restricted portion of said key hole slot, to maintain the rod in a set position, and an audible alarm mounted upon the casing having electric circuit connection with said battery.

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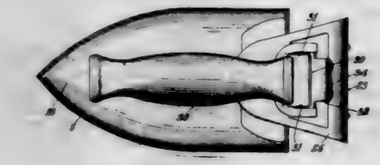
1,562,575. ELECTRIC IRON. NILES I. MERKEL, Yorktown Heights, N. Y. Filed Apr. 26, 1923. Serial No. 634,654. 11 Claims. (Cl. 219—25.)



1. An electric iron having an internal element provided with a passage, a heating element arranged within said passage and means positioned upon the face of said internal element and extending across said internal element for retaining said heating element in position within said groove.

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1,562,576. STORM WINDOW. WILLIAM MILBRATH, Lakefield, Minn., assignor of one-tenth to Samuel Dubetz, St. Paul, Minn. Filed Mar. 28, 1923. Serial No. 628,205. 7 Claims. (Cl. 20—55.)

1. A storm sash for a sliding sash window structure, comprising an upper section insertable in the window frame of said structure through the opening therein from the inner side thereof without removing the sliding sash,

and means operable from said inner side for removably retaining said section in position, a lower section likewise insertable through the window opening, and means

operable from the inner side of the window structure for detachably hinging said lower section and said upper section.

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1,562,577. AUTOMOBILE TIRE. ALPHONSE F. MONEUSE, New Rochelle, N. Y. Filed Oct. 27, 1921. Serial No. 510,855. 1 Claim. (Cl. 152—26.)

In a protective device for automobile tires wherewith an inner tube is employed, the combination with a tire shoe having an opening therein provided with a countersunk recess at its inner end, said opening being formed in the shoe during manufacture, of a closure for said opening having a peripheral portion held in and filling said recess, and said closure being flush with the surface of the shoe.

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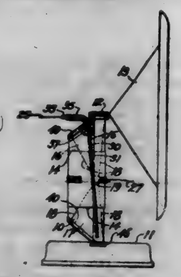
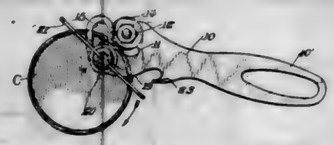
1,562,578. PIEZO-ELECTRIC DEVICE AND METHOD OF PRODUCING THE SAME. ALEXANDER MCL. NICOLSON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 6, 1923. Serial No. 655,800. 11 Claims. (Cl. 179—101.)



1. A crystal having means including an electrode in the interior of the crystal, for connecting said crystal in an electric circuit.

1,562,579. CAN OPENER. WILLIAM H. NORDHAUS, River Forest, Ill. Filed Apr. 20, 1925. Serial No. 24,314. 5 Claims. (Cl. 30—3.)



1. In a can opener of the type described, the combination of a handle bar formed with a transverse slot in one end portion thereof, a fixed cutter disc rotatably mounted on said bar laterally opposite one end of said slot, a feed wheel underlying said slot, an operating shaft connected to said feed wheel through said slot, and means whereby, upon rotation of said shaft, said feed wheel and shaft are caused to travel lengthwise of said slot.

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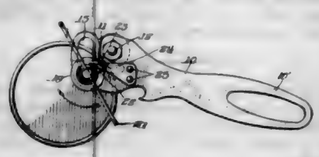
1,562,580. CAN OPENER. WILLIAM H. NORDHAUS, River Forest, Ill. Filed May 25, 1925. Serial No. 32,577. 4 Claims. (Cl. 30—3.)



1. In a can opener of the type described, the combination of a handle bar formed with a transverse slot in one end portion thereof, a fixed cutter disc rotatably mounted on said bar laterally opposite one end of said slot, a feed wheel spanning said slot and formed with a hub occupying said slot, an operating shaft connected to said hub, and gearing on said shaft and handle bar effecting bodily travel of said feed wheel toward and from said cutter disc through a turning movement of said shaft.

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1,562,581. ORNAMENTAL COVERING FOR SHOE BUTTONS. ALFRED C. NOYES, New York, N. Y. Filed Apr. 19, 1923. Serial No. 633,069. 8 Claims. (Cl. 24—113.)

1. A shoe button covering embodying a slide comprising a body portion and a fastening band portion connected to the body portion to provide a strap channel, said fastening band having a locking opening provided with a contracted entrance opening so arranged in said band as to enable a locking engagement between the loop of a shoe button and said band.

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1,562,582. AUTOMATIC LOADING DEVICE FOR ELEVATORS. GEORGE D. PARKER, Riverside, Calif., assignor to Stebler Parker Co., Riverside, Calif., a Corporation of California. Filed Apr. 2, 1923. Serial No. 629,229. 11 Claims. (Cl. 198—26.)

1. In an automatic elevator loading apparatus, the combination of a conveyer for advancing the boxes, an elevator including carriages and a guide-way for the carriages, a feeding track between the conveyer and the



elevator for receiving the boxes from the conveyer, a movable member in the path of the box as it passes along the feeding track from the conveyer, means actuated

thereby and connected to the conveyer for arresting the movement of the conveyer, and automatic means for advancing the box and stopping the same in the path of the carriages of the elevator.

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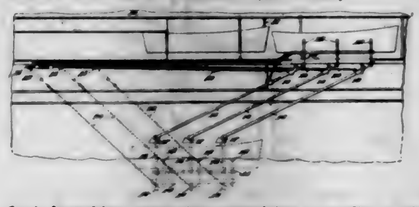
1,562,583. LAUNCHING APPARATUS. FRED FORREST PEASE, East Braintree, Mass. Filed June 17, 1920. Serial No. 389,599. 7 Claims. (Cl. 9—22.)



1. A launching apparatus comprising a cradle, a plurality of diagonal arms hinged at their lower ends to a launching platform and at their upper ends to the cradle with the axes of the hinges inclined to the cradle and parallel to one another to move the cradle from inboard to outboard position in a path which extends outwardly, downwardly and lengthwise of the launching platform.

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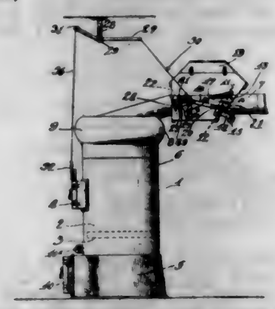
1,562,584. DAMPER MECHANISM OR DRAFT REGULATOR. WILLIAM J. PFEIFER, Oak Park, Ill. Filed Oct. 20, 1924. Serial No. 744,658. 14 Claims. (Cl. 236—16.)



1. In a mechanism of the class described, the combination of a flue forming a fluid passage adapted to permit a current to pass therethrough from a combustion chamber, a damper rockingly mounted upon an axis and adapted to permit such current to pass the damper in its open position at or below a predetermined speed without closing the damper, said damper being adapted to be automatically operated toward its closed position when the current passing the damper exceeds such predetermined speed, releasable damper-holding means operatively connected with and in movable relation to said damper, for releasably holding the same in its initial open position, and damper-operating means located outside of said passage and operatively connected with said releasable damper-holding means and adapted to move said damper to its initial open position.

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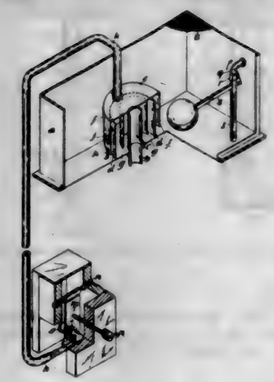
1,562,585. SANITARY FLUSHING DEVICE. MALCOLM TARLTON PHILLIPPS, Toorak, South Australia, Australia. Filed Jan. 5, 1922. Serial No. 527,210. 2 Claims. (Cl. 4—43.)



1. In a sanitary flushing device of the character described, a cistern, a discharge pipe extending into said cistern, a concentric upright wall surrounding said discharge pipe, a cover comprising a flat top piece and concentric depending walls adapted to nest about said pipe and upright wall, the outer of said depending walls having an axial depression extending almost to the flat top piece, and a snifter pipe in said depression, the outer end of which extends through the closed end of the depression to establish communication between the outside of the depending wall and the inside space directly beneath the cover piece.

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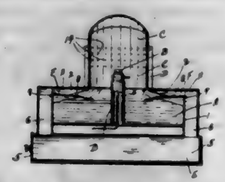
1,562,586. INSECT DESTROYER. WILLIAM H. POOL, Salt Lake City, Utah. Filed Mar. 21, 1925. Serial No. 17,262. 2 Claims. (Cl. 43—113.)



1. An insect trap comprising a liquid holding receptacle having an inwardly turned flange, a reflector secured at the inner periphery of said flange, a bait receptacle on the back of said reflector with perforations through the reflector opening to the interior of said bait receptacle, and a source of illumination centrally provided above said receptacle, with a liquid carried in said receptacle, and passage ways from the surface of said liquid to a box under said receptacle.

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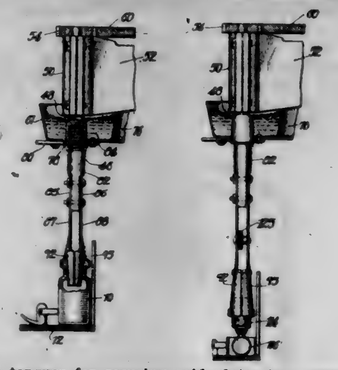
1,562,587. DEVICE FOR GRINDING BOTTLES AND STOPPERS. WILLIAM H. RANAGAN, Vineland, N. J. Filed Aug. 8, 1924. Serial No. 730,804. 3 Claims. (Cl. 51—181.)

3. A pair of grinding plates for a tool of the type described which comprises, a pair of sheets forming a

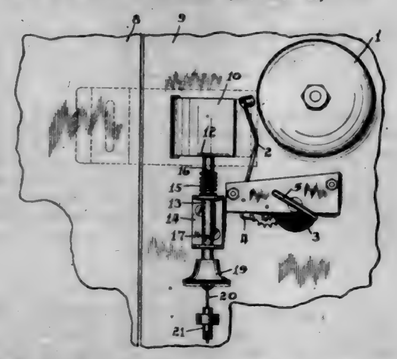
frustro-conical surface and adapted to be mounted respectively on their inner or their outer surfaces and attaching tongues for securing said plates to a supporting surface.



1,562,588. WIRE STRETCHER. LOUIS RENARI, Santa Rosa, Calif. Filed July 1, 1924. Serial No. 723,492. 3 Claims. (Cl. 188—72.)

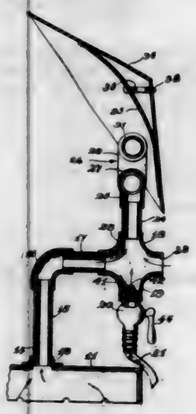
3. In a wire stretching device having a frame supported from the ground and on which the stretching means is mounted, opposed brackets depending from the frame, said brackets being substantially V shaped and being formed at their lower ends with substantially U shaped bearing sockets, whereby to turnably and removably receive the shaft of a wire-reel.

1,562,589. ALARM MECHANISM. ULYSSES G. REPLOGLE, Toledo, Ohio, assignor of forty one-hundredths to Hazel E. Jaquette, twenty-five one-hundredths to Frederick G. Replogle, twenty-five one-hundredths to Jesse W. Brown, and ten one-hundredths to Albert C. Jaquette, all of Toledo, Ohio. Filed Mar. 5, 1925. Serial No. 13,123. 4 Claims. (Cl. 116—6.)



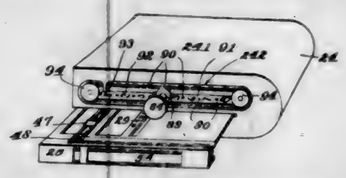
3. In an alarm mechanism, a hasp and staple, a bell having a tapper, means for operating the tapper, a door for supporting the hasp, an arcuate member connected to the hasp and extending through the door for engaging the tapper and means for engaging the arcuate member when it has moved a short distance to prevent reengagement of the member with the tapper.

1,562,590. GAS HEATER. BRAXTON F. RODGERS, Dallas, Tex. Filed June 14, 1924. Serial No. 719,981. 1 Claim. (Cl. 158—118.)



A gas heater comprising a fuel-mixing member having lateral air intake ports, an outlet nipple leading from the top of the fuel-mixing member, a gas intake in the bottom of the fuel-mixing member alined vertically with the outlet nipple, a T-coupling secured upon the upper end of the outlet nipple, perforated pipes secured in the ends of the T-coupling, perforated elbows secured upon the outer ends of said pipes and extending upwardly, and a perforated pipe connecting the upper ends of said elbows.

1,562,591. CHECK PROTECTOR. KARL ROSS, Los Angeles, Calif. Filed Nov. 20, 1922, Serial No. 602,166. Renewed May 25, 1925. 14 Claims. (Cl. 197—6.4.)

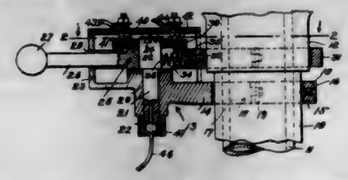


1. In a check protector, the combination of a housing comprising spaced sections, a stamping belt rotatably mounted in one of the sections, a slide shiftably mounted in the other section, and a roller mounted on the slide and operatable by movement of the slide to traverse a portion of the stamping belt.

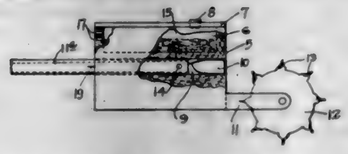
1,562,592. VEHICLE SIGNAL. WALTER J. SAVIERS, Los Angeles, Calif. Filed Apr. 17, 1922. Serial No. 554,043. 2 Claims. (Cl. 116—36.)

1. In combination with a motor vehicle provided with a rotatable signal indicating mechanism, of a signal operating mechanism connected to the steering column of the vehicle, said mechanism comprising a manually operated lever having a toothed inner end, a flexible shaft connected to said lever and to said rotatable signal device for rotating said device on an actuation of said lever, and a notched collar mounted on the vehicle steering wheel column and movable therewith, the notches of said collar engaging the toothed end of said shifting lever to automatically return the same to a normal position after a shifting movement.



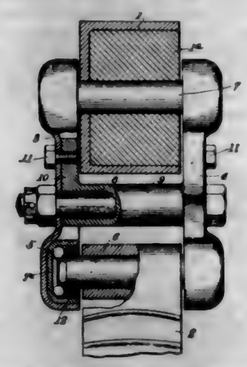


1,562,593. PNEUMATIC TOY. HARRY SCHWARTZ, New York, N. Y. Filed May 9, 1924. Serial No. 711,952. 1 Claim. (Cl. 46—37.)



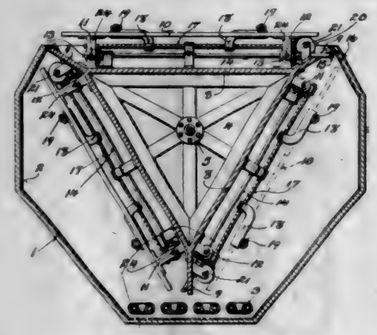
A toy comprising a body portion having a powder chamber therein and a longitudinal bore beneath said chamber, said bore and chamber having a communicating passage, a whistle in the end of said bore, a pipe adapted to be rotatably held in said bore and having a side opening adapted to register with said passage, the chamber having an opening in one end thereof whereby when the whistle is sounded the powder will pass through the chamber opening, a mark on said pipe, and a mark on the body portion, said marks when in register indicating that the side opening of the pipe and the communicating passage are in alignment.

1,562,594. VEHICLE-SPRING BEARING. RAYMOND R. SEARLES, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a Corporation of Connecticut. Filed Mar. 10, 1925. Serial No. 14,392. 8 Claims. (Cl. 267—54.)



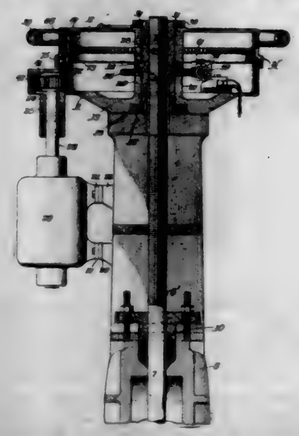
1. In a means for connecting vehicle springs to vehicle bodies, a pair of complementary shackle links, each of said links having its intermediate portion channeled, a combined spacer and link-reinforcing means comprising a portion extending across from link to link with a laterally projecting head portion on each end thereof arranged to fit within the channeled portion of the links, respectively, with means for securing said links to said connecting portion.

1,562,595. CURTAIN STRETCHER. FREDERICK W. SEHMER, Wauwatosa, Wis., assignor to Peerless Dye Works, Milwaukee, Wis. Filed Dec. 30, 1922. Serial No. 609,922. 2 Claims. (Cl. 34—17.)



1. A curtain stretcher and drier comprising a housing having an open top and adapted to form a heating compartment, a drum revolubly mounted within said housing and provided with a plurality of flat faces, the exposed face of which is normally positioned below the opening of said housing, radial portions extending from the corners of said drum and cooperating with the faces of the drum and sides of said housing to form a closure for the latter, curtain receiving bars carried by each of said drum faces, and means for actuating said bars.

1,562,596. VALVE-OPERATING MECHANISM. EMORY T. SMITH, Ludlow, Mass., assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass., a Corporation of Massachusetts. Filed Mar. 6, 1922. Serial No. 541,620. 10 Claims. (Cl. 74—7.)



1. A power driven operating unit for valves and the like including a standard having a housing including a movable part, manual operating means affixed to and movable with a part of said housing, valve operating

mechanism in said housing, a motor carried by said standard and having driving connection with said operating mechanism, and an auxiliary manual valve operating device supported by a stationary part of said housing.

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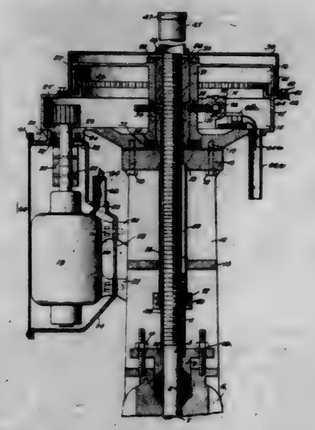
1,562,597. VALVE-OPERATING MECHANISM. EMORY T. SMITH, Ludlow, Mass., assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass., a Corporation of Massachusetts. Filed Aug. 10, 1922. Serial No. 580,920. 12 Claims. (Cl. 74—7.)



1. In a device of the character described, in combination, a housing comprising nested sections, one of which is movable as a driving member, an element to be driven by said movable section, and being in part disposed in said housing, a motor operatively connected to the housing for driving said movable section, and a dust and moisture excluding casing secured to one of the sections of the housing and entirely enclosing said driving section and its connection with the element to be driven by said housing.

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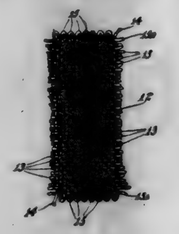
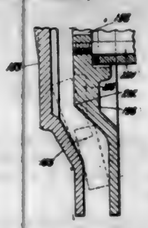
1,562,598. MOLDING TAPE. CLARENCE E. SNYDER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Oct. 30, 1923. Serial No. 671,088. 2 Claims. (Cl. 139—383.)



1. A narrow molding tape having soft, thinned margins, said tape comprising a set of warp threads spaced with substantial uniformity throughout the width of the tape and a reversed weft thread closely interwoven with the warp threads and extending materially beyond the outermost warp threads to provide the tape with relatively thin margins of substantial width.

1,562,599. BOTTLE-CAP SORTING AND FEEDING MECHANISM. ARTHUR W. SUITER, Woonsocket, R. I., assignor to Russia Cement Company, Gloucester, Mass., a Corporation of Massachusetts. Original application filed May 4, 1921. Serial No. 466,822. Divided and this application filed Apr. 1, 1922. Serial No. 548,777. 4 Claims. (Cl. 226—88.1.)



1. A distributing mechanism for bottle caps comprising a receptacle adapted to contain caps and having an escape passage for said caps, said escape passage extending angularly, and a pointed projection in said passage over which a cap may pass when it is presented with its hollow side facing thereto but preventing the passage of a cap reversely presented.

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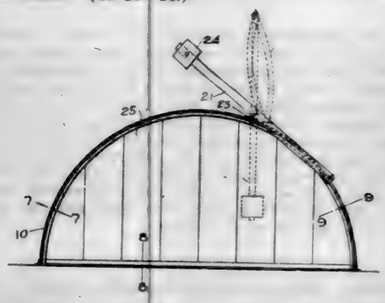
1,562,600. GARAGE DOOR. WILLIAM L. TAYLOR, Roanoke, Va. Filed May 8, 1924. Serial No. 711,935. 2 Claims. (Cl. 20—16.)



1. A garage structure having a curved roof including a curved roof door, the said roof and door extending in an arc from base to base of the structure, a hinge extending transversely of the roof, a curved door section having its upper end pivoted on the hinge, a pivot connecting the lower edge of the upper door section to the upper edge of the lower door section, weighted arms pivoted between their ends in line with the hinge of the upper door section and pivotally connected to the hinge between the said door sections, and a counterweight on the end of each arm remote from their connection to the hinges of the door sections.

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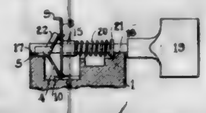
1,562,601. SNAP SWITCH. WILLIAM C. TREGONING, Cleveland, Ohio, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed July 19, 1919. Serial No. 312,002. 16 Claims. (Cl. 173—346.)



1. In an electric switch, in combination, a reciprocably mounted contact member having spaced bearings, a rotatable member having its axis substantially perpendicular to the plane of reciprocation of said contact member, said contact member having converging faces located between its bearing points and obliquely disposed to the axis of said rotatable member and said rotatable member having a co-operating face disposed at a like angle to its axis and resilient means holding said members in engagement whereby said contact member is movable in reverse directions with a snap action upon unidirectional rotation of said rotatable member.



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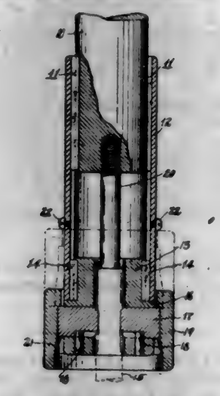
1,562,602. CHUCK. FRANK W. TRENN, Willoughby, Ohio, assignor to The Economy Engineering Company, Willoughby, Ohio, a Corporation of Ohio. Filed Aug. 5, 1922. Serial No. 579,785. 2 Claims. (Cl. 279—74.)



1. A rotary shaft, a longitudinally movable sleeve keyed at one end of the shaft, a pin on the shaft engaging a slot in the sleeve to limit the longitudinal movement of the sleeve on the shaft, a collar on the sleeve, means on the sleeve to limit the movement of the collar on the sleeve, a hollow head extending within the sleeve and adapted to be surrounded by the collar, jaws sliding transversely in the head, a seat in the collar holding the jaws in engagement with a drill in the head, an expanded cavity in the collar to permit the jaws to slide radially to release the drill, guide pins in the head for the jaws, and an ejector projecting from the shaft into the sleeve and actuated by the relative longitudinal movement of said shaft and sleeve to engage and eject the drill.

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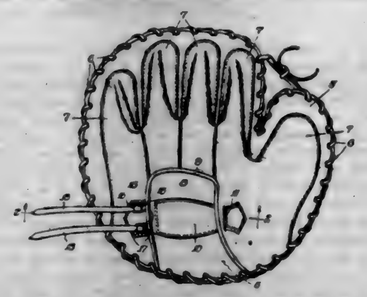
1,562,603. BASEBALL MITT. ARCHIBALD J. TURNER, Chicago, Ill., assignor to Thos. E. Wilson & Co., Chicago, Ill., a Corporation of Maine. Filed Mar. 25, 1925. Serial No. 18,078. 4 Claims. (Cl. 2—19.)



1. A mitt having a hand insertion opening, a strap secured to one lateral margin of the opening, extending across the opening, and having its other end bifurcated to provide a pair of thongs, together with a friction guide member associated with the other lateral margin of said opening affording two pairs of slots through which said thongs are separately extended.

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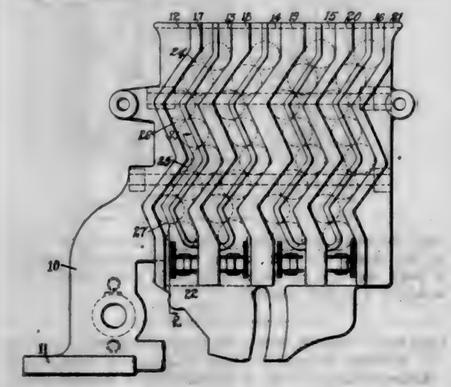
1,562,604. BOBBIN ANTIROLLING REPLENISHING MECHANISM. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 29, 1923. Serial No. 683,339. 3 Claims. (Cl. 139—245.)



1. In a weft replenishing mechanism, a guide-way adapted to receive a stack of bobbins therein, means to lower said stack of bobbins progressively in said guide-way, said guide-way being made of a plurality of alternately inclined connecting runs and each run being of sufficient length to accommodate a plurality of bobbins.

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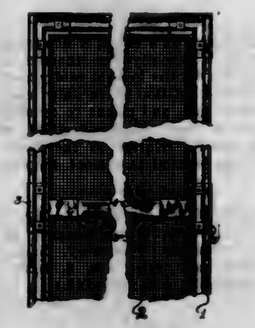
1,562,605. WINDOW-SCREEN BRACE. JOHN O. WAGNER, Chicago, Ill. Filed Feb. 19, 1923. Serial No. 619,784. 1 Claim. (Cl. 156—14.)



An expansible brace for a window screen comprising a transverse channel shaped bar and a pair of lugs conforming to the screen beam and secured thereto and having inwardly extending directed arms providing sockets for frictionally engaging said bar.

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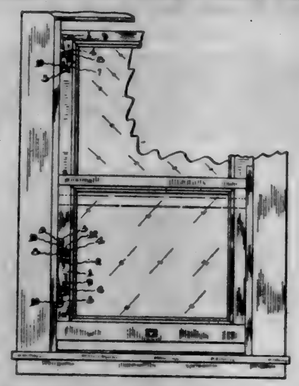
1,562,606. SASH FASTENER. ROBERT WASHBURN, Harriston, Ontario, Canada. Filed July 23, 1924. Serial No. 727,641. 3 Claims. (Cl. 292—342.)

1. A sash fastener comprising a block adapted to be secured to a window sash having the side adjacent the window sash inclined to form a wedge-engaging surface;

a wedge adapted to engage between said face and the window frame; a link pivotally connected with the block and the wedge, the link having a sliding engagement



with the pivot connecting it with the block; and a pin on the block, the link having a notch therein adapted to hook over the pin to hold the link, and therefore the wedge in a raised position.

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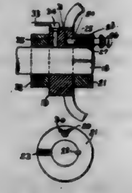
1,562,607. WHEEL-DRIVING ATTACHMENT. GEORGE A. AMIOTT, Worcester, Mass., assignor to Crompton & Knowles Loom Works, a Corporation of Massachusetts. Filed Dec. 7, 1921. Serial No. 520,684. 2 Claims. (Cl. 192—67.)



2. The combination of a shaft, a hand wheel mounted on said shaft and normally free thereon, a handle on said wheel, yielding means to hold said wheel and handle in a predetermined position when said wheel is disconnected from said shaft, and means to connect said wheel to said shaft in a single relative position, whereby said handle has a definite relation to the shaft when connected thereto for manual movement thereof.

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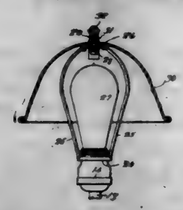
1,562,608. PORTABLE ELECTRIC LAMP. LAURITZ W. ANDERSEN, Waterbury, Conn., assignor to Waterbury Metal Wares Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 6, 1922. Serial No. 534,459. 5 Claims. (Cl. 240—148.)



1. In a lamp, the combination with a shade having a centrally disposed opening, of supporting arms, a curved plate attached to said arms and longitudinally slotted, a stud movable in said slot and projecting through the opening in the shade, and a knob upon the projecting end of the stud binding said stud shade and plate in locked relation.

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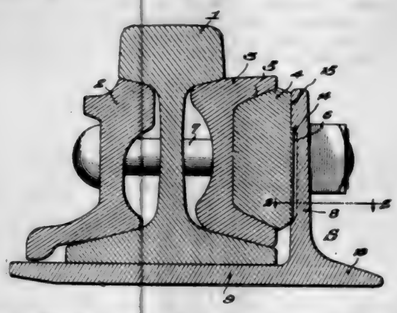
1,562,609. LIGHTENED CONSTRUCTION FOR RAIL JOINTS. VICTOR C. ARMSTRONG, Hackensack, N. J., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed July 10, 1925. Serial No. 42,795. 6 Claims. (Cl. 238—200.)



1. A lightened construction for rail joints including a shoe having a wall of standard thickness and subnormal displacements of metal therein.

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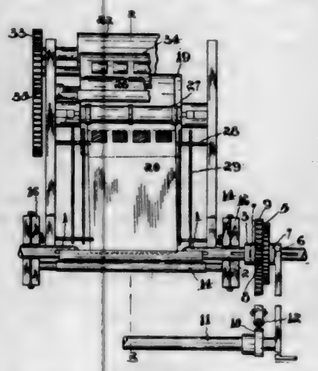
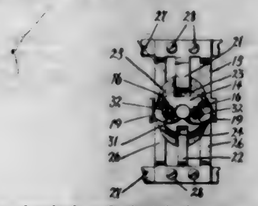
1,562,610. MAGAZINE-WRAPPING MACHINE. DANIEL S. BAIRD, Hamilton, Ontario, Canada. Filed Jan. 10, 1924. Serial No. 685,474. 7 Claims. (Cl. 270—27.)



1. In a magazine wrapping machine, the combination of feed mechanism adapted to draw a web of paper from a roll; means geared with the feed mechanism and located intermediate of the supply roll and the point of delivery of the feed mechanism for producing spaced lines of weakness across the web delimiting individual wrappers; rotary magazine rolling mechanism adapted to grasp and rotate a magazine fed to it; means loosely guiding said web to direct its leading end to a position to be rolled in with the magazine whereby the paper is free to move laterally between the feed mechanism and the wrapping mechanism; and means for synchronously driving said feed mechanism and magazine rolling mechanism so proportioned that the latter tends, when the web is caught in a magazine, to draw the web in at a greater speed than that at which it is fed whereby the wrapper delimited by a line of weakness is torn from the web.



1,562,611. ELECTRICAL-FIXTURE-SUPPORTING DEVICE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 20, 1921. Serial No. 471,075. 1 Claim. (Cl. 173—330.)



A mechanical and electrical connector device comprising a fixture supporting bracket and a plug slidably mounted on said bracket, said bracket being formed of sheet material and having two flat vertical bars lying in a common plane in front of the plug and having cross bars at the top and bottom connecting the vertical bars and lugs extending toward each other from said cross bars, said plug being slidably mounted between the two vertical bars and the lugs.

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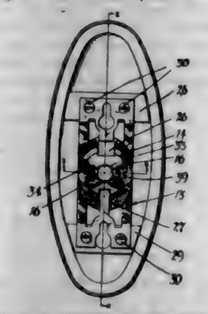
1,562,612. ELECTRICAL-FIXTURE-SUPPORTING DEVICE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 20, 1921. Serial No. 471,076. 1 Claim. (Cl. 173—330.)



A mechanical and electrical connector device, comprising a fixture supporting bracket and a plug slidably mounted on said bracket, said bracket being formed of sheet material, and having two flat vertical bars lying in a common plane in front of the plug and having cross bars at the top and bottom connecting the vertical bars and lugs extending toward each other from said cross bars, said plug being slidably mounted between the two vertical bars and the lugs, said cross bars being provided with keyhole slots to receive headed supporting and securing members.

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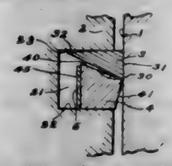
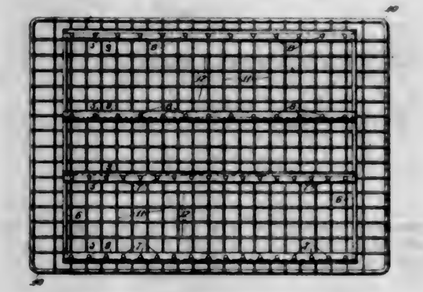
1,562,613. PISTON RING. BELDEN H. BLAKE, Cleveland, Ohio. Filed Dec. 10, 1924. Serial No. 754,994. 7 Claims. (Cl. 74—109.)



1. A composite piston ring comprising an upper ring section having a beveled lower face, a lower ring section having a beveled upper face, said two beveled faces being of unlike angle and meeting along their outer edges.

1,562,614. DISH-HOLDING RACK. GEORGE S. BLAKESLEE, Oak Park, Ill.; George R. Blakeslee executor of said George S. Blakeslee, deceased. Filed Sept. 6, 1921. Serial No. 498,882. 6 Claims. (Cl. 141—11.)



1. A dish holding rack comprising a metal frame, a series of rows of upright rods supported independently of each other and secured at their lower ends to said frame in spaced relation to each other, their upper ends being free, and bracing rods extending longitudinally of said rows over and close to the points of connection of the upright rods with said frame, said upright rods extending through perforations in said bracing rods, whereby said bracing rods serve to brace a plurality of the upright rods together and to the frame near their lower ends.

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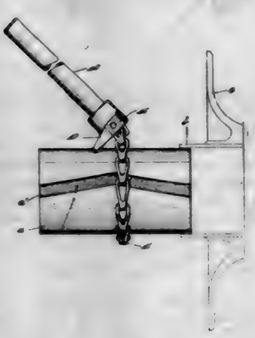
1,562,615. BUSHING-CONTRACTING DEVICE. AIMÉE D. BROCHU, Hartford, Conn. Filed Sept. 17, 1924. Serial No. 738,221. 4 Claims. (Cl. 29—88.)



1. A bushing contracting device, comprising a handle, a head extending from one side of the lower end of the handle and projecting beyond the adjacent sides thereof, the lower end of said head adapted to bear transversely across a split bushing and serve as a fulcrum for raising and lowering the head on the bushing, and an encircling chain to embrace the bushing and having its ends secured to the projecting portions of the head at the upper end thereof and at opposite sides of the handle.

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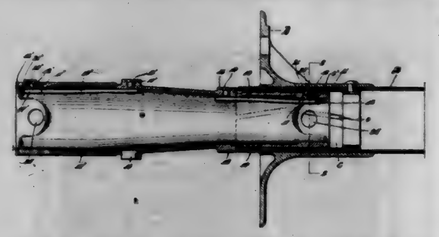
1,562,616. SLEEVE-EXTRACTING DEVICE. AIMÉE D. BROCHU, Hartford, Conn. Filed Sept. 17, 1924. Serial No. 738,222. 3 Claims. (Cl. 29—88.2.)

1. A bearing bushing extracting device including a body provided with a cylindrical end having a radial opening, a hardened metal catch mounted for radial

movement in said opening, a spring having one end detachably abutting against the inner end of said catch and holding the same against rotation, and means for



removably securing the other end of said spring to said body, said spring being separable from said catch for the purposes described.

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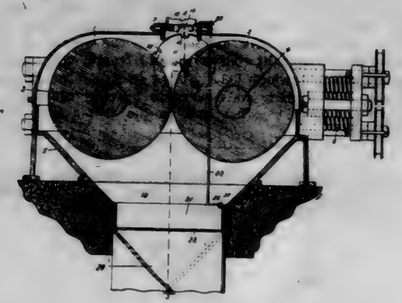
1,562,617. CRUSHING-ROLL APPARATUS AND PROCESS. HENRY KENYON BURCH, Los Angeles, Calif. Filed Feb. 26, 1924. Serial No. 695,149. 13 Claims. (Cl. 83—12.)



1. In combination with crushing rolls constructed to pass crushed material between the rolls and to permit oversize material to pass at the ends of the rolls in such manner that the oversize and crushed material pass from the rolls in substantially separate parallel streams, splitting means arranged adjacent to the planes of the ends of the rolls and in the path of the material passing from the rolls and adapted to part the stream of oversize material from the stream of crushed material.

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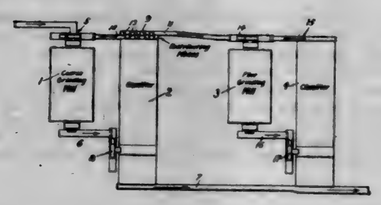
1,562,618. GRINDING SYSTEM FOR ORE, ROCK, ETC. HENRY KENYON BURCH, Los Angeles, Calif. Filed Apr. 1, 1924. Serial No. 703,341. 4 Claims. (Cl. 83—9.)



1. A combination of a coarse grinding mill and a fine grinding mill, a classifier connected to receive the ground material from the coarse grinding mill and adapted to separate the finer portion of such ground material from the coarser portion thereof, and distributing means for delivering a part of the coarser material so separated to the fine grinding mill and returning another portion of such coarse material to the coarse grinding mill.

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1,562,619. VARIABLE INDUCTANCE. RUSSELL W. CAMFIELD, Berkeley, and ROGER M. WISE, Oakland, Calif., assignors to E. T. Cunningham, San Francisco, Calif. Filed July 25, 1923. Serial No. 653,671. 8 Claims. (Cl. 171—119.)

8. In a variable inductance coil for use in high frequency circuits, said coil comprising a pair of relatively rotatable coil sections, one within the other, and arranged by relative rotation through substantially 180° to move the sections from axial cumulative alinement, to axial differential alinement, said sections being so close together that appreciable capacity effects exist between them, causing the flow of charging currents in parallel to at least some of the coil turns, means for connecting the sections so that in the cumulative position the directions of winding for the sections are opposite, the connections however being such that the directions of current flow are the same, to produce the cumulative effect.

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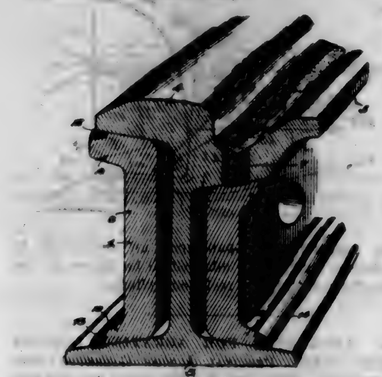
1,562,620. HOG TROUGH. WILLIAM DILL, Rushville, Ind. Filed Oct. 3, 1922. Serial No. 592,084. 1 Claim. (Cl. 119—61.)

A nestable trough especially adapted for use in feeding brood sows, formed of a single piece of metal and comprising a frusto-conical body, the walls of which are inclined toward the bottom and a frusto-conical raised portion concentrically of the bottom and coacting therewith to refine an annular food or water receiving chamber and having the upper flat surface thereof lying in the plane of the upper edges of the side walls of the body and forming an annular sharpened edge to prevent sows from lying in the chamber and spilling the contents thereof the inclined walls acting as creeping surfaces for frozen contents, and the raised portion also forming an independent water or food receiving chamber upon inversion of the body, substantially as and for the purposes set forth.



1,562,621. WELDED RAIL JOINT. CLARKSON A. DISBROW, New Rochelle, N. Y., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed July 16, 1925. Serial No. 44,053. 5 Claims. (Cl. 238—164.)



1. A welded rail joint including a rail having a welding hole in its head and a joint bar fitting the rail beneath said hole.

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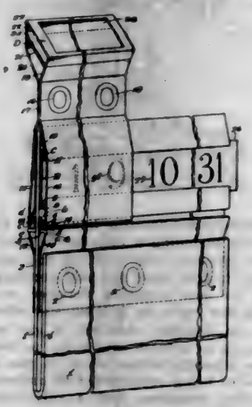
1,562,622. GUIDE AND FOLDER. ARTHUR ROSWELL DODGE, Los Angeles, Calif., assignor of one-half to F. W. Douglas, Los Angeles, Calif. Filed Apr. 4, 1922. Serial No. 549,604. 18 Claims. (Cl. 129—16.8.)




1. In combination with an index sheet, re-inforcing means fixed thereon and embracing the top of said sheet and forming a way; a tab; and a runner movable along and connecting the tab to said way.

18. An index sheet provided along its upper edge with a rail bent upon one side or face to form a horizontal groove adapted to receive and hold a slip on the outside surface of said rail.

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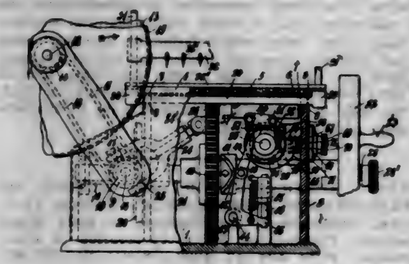
1,562,623. SLICING MACHINE. WILLIAM H. DONALD, Cincinnati, Ohio, assignor to The F. A. Knowles Slicer Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 14, 1923. Serial No. 680,652. 30 Claims. (Cl. 146—103.)

1. In combination, a carrier having a projecting member, feeding mechanism operatively related to said member comprising driving means rotary on an axis alined with said member, and means disposed entirely in aline-



ment with said carrier member along said axis, whereby said carrier renders said feeding mechanism inoperative after a predetermined degree of feeding.

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1,562,624. PROCESS FOR MAKING SOLES FOR SHOES. ALFRED I. DUPREY, Eureka, Calif. Filed Dec. 16, 1924. Serial No. 756,364. 3 Claims. (Cl. 149—6.)

1. A process of making shoe soles which consists in cutting soles from thoroughly tanned leather from which all uncombined tannin and extraneous matter has been removed; then immersing the so cut soles in hot water to expand the fiber of the leather and packing the wet soles in boxes to allow the moisture to be evenly distributed throughout them, then subjecting the wet soles to a solution of rubber in the presence of heat and under vacuum, then subjecting the so rubberized soles to the action of a 2% solution of sulphur monochloride, then withdrawing and drying the soles and finally washing and drying the soles.

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1,562,625. AIR BALLOON. IKLEY C. FIFE, Chicago, Ill., assignor to Elizabeth C. Fife, Chicago, Ill. Filed Aug. 24, 1923. Serial No. 659,146. 1 Claim. (Cl. 46—40.)

A toy balloon consisting of an elongated body simulating that of a bird, the body being hollow and provided at its head end with an opening through which the body may be inflated, the body being provided at its

opposite sides and at points between its ends with hollow wings, the wings being substantially elliptical in transverse section and connected with the interior of the body by relatively constricted air passageways, the body and wings being of elastic flexible material whereby the wings may swing with relation to the body when the body and the wings are inflated and the wings stand out from the opposite sides of the body when inflated and serve substantially as planes or stabilizers for holding the body in substantially natural poise to simulate the body of a bird in flight.

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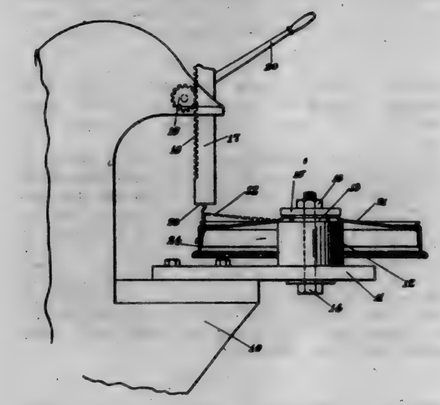
1,562,626. APPARATUS FOR AND METHOD OF STRAIGHTENING DISK WHEELS. CHARLES FINKBEINER, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 17, 1923. Serial No. 657,853. 4 Claims. (Cl. 153—48.)



1. A machine of the character described comprising an arbor press having a horizontal base and an overhanging portion, said base having a portion extending forwardly therefrom, a vertically extending ram mounted on said over-hanging portion adapted for reciprocatory movement toward and from said base, a wheel center clamp secured to the outer end of said forwardly extending portion of the base adapted to clamp a wheel in a substantially horizontal plane whereby to present the rim thereof between said ram and said base, and operating means for said ram mounted on said overhanging portion.

3. The method of straightening distorted disk wheels in which the central portions of the disk are provided with trued faces for alignment and clamping of the disk flat-wise on the wheel hub flange, which method consists in supporting the wheel from its trued central portion with the portion exterior to said trued portion extending laterally free of the support, clamping in a fixed plane and rigidly against distortion substantially the entire area comprehended by said trued faces for engagement with the wheel hub flange, and while the wheel is so clamped directing bending pressures on the distorted free portions of said wheel on lines substantially parallel to the wheel axis.

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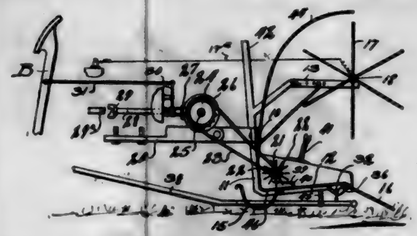
1,562,627. INSECT-KILLING ATTACHMENT FOR AUTOMOBILES. SIR J. FRANKLIN, Beaver City, Nebr., and ROY W. TRACY, Brewster, Kans. Filed Dec. 23, 1924. Serial No. 757,680. 8 Claims. (Cl. 43—142.)

1. An insect killing attachment for motor cars comprising a pan, a cylinder mounted for rotation immediately above the rear end of the pan and having radially projecting teeth, a concave coacting with the cylinder, a reel mounted above and slightly in advance of the pan,



means for supporting the pan upon an automobile in advance thereof, and means adapted to be driven by the automobile for rotating the reel and cylinder.

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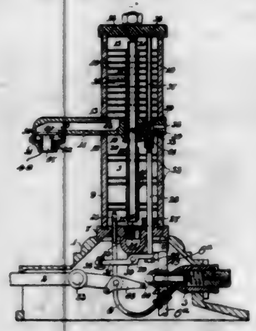
1,562,628. APPARATUS FOR AERATING LIQUIDS AND THE LIKE. PERCIVAL ALBION GARRETT, Goodmayes, England. Filed Dec. 2, 1922, Serial No. 604,633. Renewed Oct. 6, 1925. 10 Claims. (Cl. 225—21.)



1. An apparatus for aerating liquids and the like of the type set forth, including a cylinder, a partition member dividing the cylinder into aerating and delivery chambers, a liquid in-flow valve for said aerating chamber, a snift valve for said aerating chamber which controls the liquid in-flow valve by holding and releasing an air cushion in the aerating chamber, a gas valve to said chamber, means to actuate said valve to deliver a short sharp charge directly to the liquid in the chamber, the said snift valve being constructed to automatically open under excessive pressures, and a valve-controlled communicating passage leading from said aerating chamber to a delivery chamber.

2. An apparatus for aerating liquids, including a cylinder, a partition member dividing the cylinder into aerating and delivery chambers, a discharge nossle carried by said partition, a snift valve also carried by said partition, said partition having an outflow passage adapted to communicate with the delivery chamber and controlled by said snift valve.

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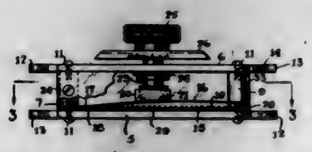
1,562,629. VARIABLE CONDENSER. HUGO GERNSBACK, New York, N. Y. Filed Sept. 27, 1923. Serial No. 665,092. 8 Claims. (Cl. 250—41.)

1. A variable condenser comprising an insulating base, a yielding cloth backing on said base, a condenser plate secured on the base over said backing and cushioned thereby, a cooperating condenser plate fixedly secured at one end on the base, having its free portion overstanding the first plate and formed on a single continuous curvature with the concave face of the same opposed to the first plate, a layer of solid dielectric between the plates



and screw means mounted on the base and engaging the upwardly bowed free portion of the curved plate to flatten the same in self-adjusting engagement with the cushioned lower plate.

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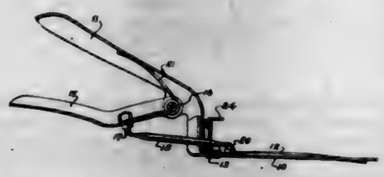
1,562,630. SHEARS. HENRY GINNEL, Scarsdale, N. Y. Filed Sept. 13, 1924. Serial No. 737,456. 3 Claims. (Cl. 30—13.)



1. Shears having pivotally secured blade members, one of which is stationary and the other movable, a stationary handle member having a single gripping portion secured to the stationary blade member, another handle member movable vertically when the blade members are in a horizontal plane, and means for actuating said movable blade member from the movable handle member.

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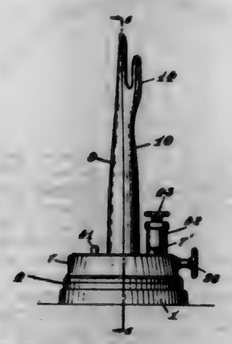
1,562,631. GLOVE STRETCHER, POWDERER, AND HEATER. REBECCA GOLTMAN, Montreal, Quebec, Canada. Filed Jan. 22, 1925. Serial No. 4,108. 1 Claim. (Cl. 223—19.)



A device of the character described comprising a base, a casing rotatably supported thereon, a pair of vertically positioned relatively spaced glove forms carried on said casing, levers movably interconnecting the sections of said forms, a powder tank mounted in the casing, a pump supported in the casing, an air pipe connecting said pump to the tank, tubes extending from said tank into said forms, vertically movable interconnecting means engaging said levers, and manually operable means supported upon the casing and arranged exteriorly thereof connected to said motion transmitting means for effecting relative movement between the sections of the forms.

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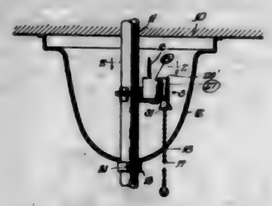
1,562,632. ADJUSTABLE SWITCH MOUNTING. DAVID D. GORDON, Chicago, Ill. Filed Jan. 31, 1925. Serial No. 5,916. 6 Claims. (Cl. 240—123.)



1. In an electric fixture, an elongated lamp supporting member, a canopy surrounding said member, and switch mechanism mounted upon said member, said switch mechanism including a controlling member extending through an aperture in said canopy, said switch mechanism having a portion movable in a plane normal to the axis of said supporting member, whereby the distance between said operating member and said supporting member may be varied.

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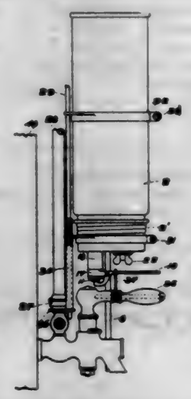
1,562,633. CREAM DISPENSER. ROBERT R. GOSS and CHARLES H. GOSS, Franklin, Pa. Filed Sept. 23, 1921. Serial No. 502,783. 8 Claims. (Cl. 225—26.)



1. The combination with a coffee urn provided with a dispensing valve and a dispensing lever operable to open and close said valve, of a cream container of the vacuum type removably carried by said urn, a cream-delivery pipe for said container having its delivery end positioned in proximity to the delivery of said valve, a valve operable to control the delivery of cream through said delivery pipe, a cream-dispensing lever for said valve of said container positioned and maintained in juxtaposition to the dispensing lever for said urn, means maintaining said cream-dispensing lever in said juxtaposition to said dispensing lever of said urn, and venting means for said container.

5. The combination with a coffee urn provided with a dispensing valve, of a vertically-adjustable cream container having heat insulating walls removably carried by said urn, a cream delivery pipe for said container having

its delivery end positioned in proximity to the delivery of said valve, a valve operable to control the delivery of cream from said pipe, a cream dispensing lever for said cream container valve positioned in juxtaposition to the dispensing lever of said urn, means maintaining said cream dispensing lever in said juxtaposition to said dispensing lever of said urn, and venting means for said container.

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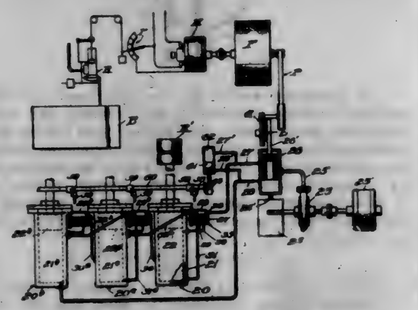
1,562,634. CONTROLLING AND OPERATING MEANS FOR ENGINES, FOR UNDERFEED STOKERS, AND THE LIKE. DALLAS F. GRAHAMS, Toronto, Ontario, Canada, assignor, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed July 1, 1922. Serial No. 572,240. 22 Claims. (Cl. 60—52.)



1. In combination, a plurality of engines to be operated, means for supplying pressure alternating in direction to said engines, connections between said engines to transfer pressure from one to another thereof normally to provide for their operation in succession, and means associated with one of said engines to render said engine inoperable by said alternating pressure without disabling any other of said engines.

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1,562,635. HORSESHOE. MICHAEL J. GRIFFIN, Hartford, Conn. Filed Oct. 27, 1922. Serial No. 597,344. 2 Claims. (Cl. 168—41.)

1. A horseshoe having holes therein with the axes thereof inclined in opposite directions in the direction of depth of the shoe, and shoe calks each having a stem and a body of concavo-convex shape flared outwardly from the stem to the outer edge of the calk.

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1,562,636. MEASURING SCALE FOR TRANSPARENT LIQUID CONTAINERS. WILLIAM M. GRIFFIN, Fort Wayne, Ind., assignor to Wayne Tank & Pump Company, Fort Wayne, Ind., a Corporation of Indiana. Filed July 28, 1924. Serial No. 728,656. 6 Claims. (Cl. 116—135.)

5. A measuring scale for a transparent liquid container adapted to be secured to the casing thereof on the inside of said container, having in combination a vertically placed setting bar, substantially horizontal serrations on one side of said bar, a plurality of tabs loosely pierced by said bar, each having a gripping edge adapted to engage said serrations, a wedge for each tab to be inserted from below when said tab is in adjusted position

in the bar perforation of said tab on the side of said bar opposite the serrations, and a wedge strip adapted to be inserted from above in the same perforations forcing out said wedges, and means for fixing said strip in such assembled position.

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1,562,637. CANDLE PROTECTOR. NORBERT GROTH, West Union, Minn. Filed Apr. 28, 1925. Serial No. 26,480. 1 Claim. (Cl. 67—23.)

A candle protector of the character described comprising a semi-circular in cross section annulus adapted to embrace a candle adjacent the upper end thereof, a hood rising from the annulus and having an open upper end adapted to overlie the lighted end of the candle, a skirt depending from said hood and connected to the annulus by an outwardly extended flared portion which has its upper end arranged to engage the outer upper edge of the candle, the remaining portion of the skirt being spaced from the walls of the candles between the upper end and the annulus engaging portion to provide a space for the accumulation of melted wax, and a weight housed within the semi-circular annulus for the purpose specified.

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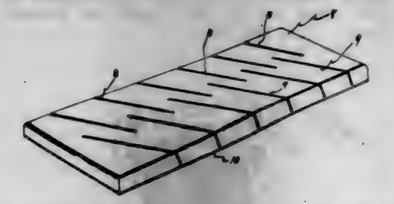
1,562,638. CARD TRAY. JOHN PAUL HACHA, Detroit, Mich. Filed Feb. 26, 1925. Serial No. 11,688. 3 Claims. (Cl. 273—150.)

1. A card tray of the class described comprising a main body portion having a plurality of slits formed in the side thereof and extending inwardly therefrom diagonally of the length of said body, each of said slits



being inclined to the plane of the upper face of said main body and adapted for the reception of a single card.

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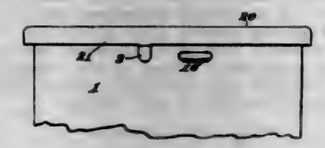
1,562,639. DEVICE FOR REMOVING FRICTIONALLY-HELD CAN TOPS. EDWARD HILDEBRANDT and HAROLD HILDEBRANDT, Tacoma, Wash. Filed May 28, 1923. Serial No. 641,991. 1 Claim. (Cl. 220—43.)



A can comprising a body having an outwardly projecting bead extending about its mouth, a cap having a groove formed about its periphery and adapted to fit over and be frictionally held by the beaded mouth of the can body, the outer wall of said groove extending below said bead, and tongues projecting from the outer wall of said groove and bent sharply back towards the can body beneath the bead to function as a tell-tale of the opening of the can.

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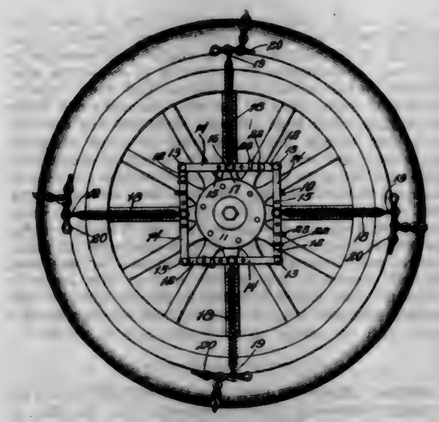
1,562,640. CHAIN TIGHTENER. WILLIAM J. HINES, Four States, W. Va. Filed Apr. 5, 1924. Serial No. 704,483. 4 Claims. (Cl. 152—14.)



1. Means for tightening the anti-skid chains of vehicles, comprising a frame adapted to be applied against one face of the wheel of the vehicle about the hub thereof, a plurality of levers each pivoted at one end to the frame to swing in the general plane of the frame, means including tension springs for connecting the levers at points intermediate their ends with the annular chain of the anti-skid chain of the wheel at the same side of the wheel as the frame, said springs being tensioned when the free ends of the levers are moved toward the frame and means for securing the levers against movement with said springs under tension.

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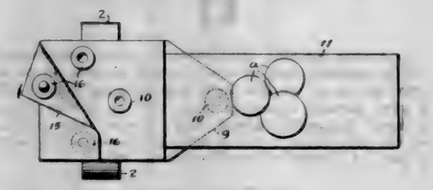
1,562,641. PURSE. HARRIETTE ENSLEY HODGSON, New York, N. Y. Filed May 31, 1924. Serial No. 716,872. 2 Claims. (Cl. 224—28.)



1. A purse having a pocket, and a lining strip adapted to be folded in the pocket, having one end secured adjacent the mouth of the pocket, and the other end free, so that it may be drawn out bringing the contents of the pocket loose on its surface.

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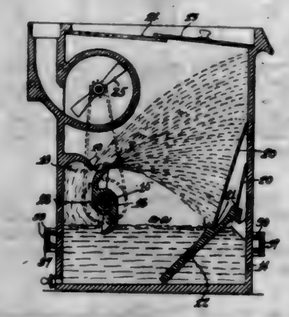
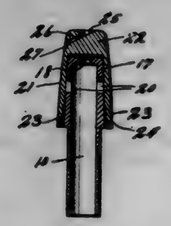
1,562,642. PADDLE-SHAFT MOUNTING FOR ETCHING MACHINES. AXEL HOLMSTRÖM, Villa Aerovik, Viggbyholm, Sweden. Filed Aug. 20, 1923. Serial No. 658,478. 22 Claims. (Cl. 41—9.)



1. In a paddle wheel assemblage for an etching machine, the combination of a plurality of paddle sections, a driving shaft adapted to pass through the sections, a sleeve upon each end of the driving shaft, clamping means for moving the sleeves relatively toward each other and cushions between the paddle wheel sections axially and between the sections and the shaft radially for supporting and sealing the sections and for damping vibration in the sections.

10. In an etching machine, a box internally resistant to etching liquor and having a lateral opening, a shaft normally passing through the opening, a paddle section resistant to etching liquor within the box and mounted upon the shaft and a liquor-resistant sleeve mounted upon the shaft through the opening to seal against the paddle section and tapering so as to radially flare as it extends inwardly.

1,562,643. SLUG-CATCHING FLIER ATTACHMENT. HECTOR N. HOULE, Pawtucket, R. I. Filed June 2, 1925. Serial No. 34,439. 4 Claims. (Cl. 118—57.)



1. A slug catching attachment for fliers comprising a hollow member open at one end and adapted to be set over the top of the flier, said member being formed with a yarn passage extending from the top of the hollow member diagonally across said member and opening on the side thereof, the member having means whereby it may be caused to rotate with the flier.

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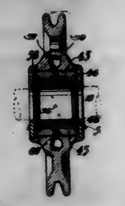
1,562,644. CASING PULLEY. ALBERT S. JONES, Chattanooga, Tenn., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn., a Corporation of Tennessee. Filed June 1, 1923. Serial No. 642,816. 3 Claims. (Cl. 64—17.)



1. In a casing pulley structure, a stationary shaft, a sheave rotatably mounted thereon, a bushing pressed in said sheave, a floating bushing between said pressed-in bushing and said shaft, and means carried by said pressed-in bushing for limiting axial movement of said floating bushing.

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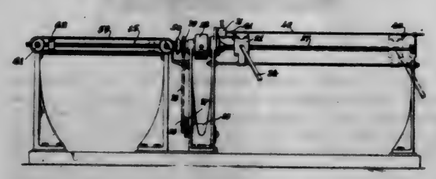
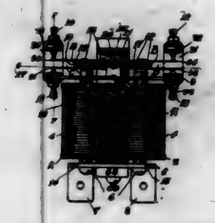
1,562,645. HELIX-WINDING MACHINE. ALLAN H. JONES, Belleville, N. J., assignor to Roller Bearing Company of America, Newark, N. J., a Corporation of New Jersey. Filed May 19, 1925. Serial No. 31,264. 10 Claims. (Cl. 153—67.)



1. In a helix-winding machine, in combination, a chuck to engage and rotate the helix and adapted to permit rearward longitudinal movement of the helix through it, an axially movable non-rotatable winding head in front of the chuck and substantially coaxial therewith, said head having a lateral guide aperture to receive and guide a metal strip and having axial die opening to receive the strip and coil the same to helical form, and a mandrel extending through the die opening and coaxial therewith.

1,562,646. RECTIFIER RELAY. WILLIAM KAISLING, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 5, 1918. Serial No. 215,454. 12 Claims. (Cl. 175—365.)



10. A device of the character described including a magnet core, a supporting member attached to said core, an armature having contact springs secured to the front and back thereof and cooperating contacts covered by said supporting member, a pair of U-shaped members formed integrally with said supporting member, and adjustable screw means secured in said U-shaped members for adjusting said co-operating contact relative to said contacts secured on said armature.

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1,562,647. CONTACT-BANK STRUCTURE. WILLIAM KAISLING, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Original application filed July 9, 1920, Serial No. 394,889. Divided and this application filed Apr. 1, 1922. Serial No. 548,859. 3 Claims. (Cl. 175—306.)

1. A switch bank comprising a strip of insulation provided with openings, a spring bank contact having portions of its body formed to engage said openings in said strip of insulation by a drive fit to secure the same together, other strips of insulation and bank contacts secured to each other in the same manner, said strips of insulation and bank contacts assembled one over the other and spaced from each other by other strips of insulation, said strips of insulation having openings in alignment when in their assembled position, a pair of clamping members having openings, and threaded members provided with nuts for extending through the openings in said clamping members and said insulation strips for clamping said bank contacts and said strips of insulation in their assembled position, the ends of said bank contacts extending beyond the ends of said strips of insulation, and means including a pair of bolts for permitting said switch to be mounted and dismounted as a single unit by merely operating said pair of bolts.

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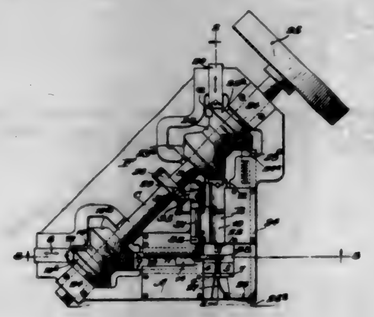
1,562,648. MACHINE FOR MAKING RIVETS AND THE LIKE. FRED R. LONG, Catawissa, Pa., assignor to Central Forging Company, Catawissa, Pa., a Corporation of Pennsylvania. Filed Feb. 21, 1924. Serial No. 694,334. 6 Claims. (Cl. 10—15.)

2. A machine of the class described including a gripping member and an upsetting member mounted to



operate at right angles to each other, a common actuating shaft arranged obliquely to said members and having



separate cams thereon for synchronously operating the gripping and upsetting members.

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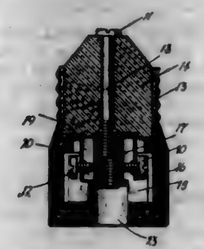
1,562,649. SWIVEL-SHELL ATTACHMENT PLUG. STANLEY MCCLATCHIE, Cambridge, Mass., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 20, 1920. Serial No. 425,329. 4 Claims. (Cl. 178—359.)



1. A swivel shell attachment plug comprising a threaded shell contact having an inwardly extending flange at its outer end, a center contact member, an insulating base in said shell contact for positioning and insulating said contacts with respect to each other, and a subassembly substantially outside said shell contact comprising an insulating member, a pair of wiring terminals having base portions at opposite ends of said insulating member, an eyelet extending axially through said insulating member and base portions, for securing said wiring terminals on said insulating member, and a metal tension member extending between said eyelet and center contact member for holding said sub-assembly in assembled position and electrically connecting the center contact with one of said wiring terminals, the other wiring terminal being provided with a sliding contact member for engagement with said inwardly extending flange.

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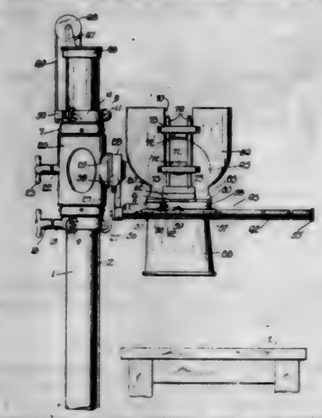
1,562,650. X-RAY APPARATUS. WILLIAM MEYER, Chicago, Ill. Original application filed Feb. 18, 1918, Serial No. 217,788. Divided and this application filed Feb. 18, 1922. Serial No. 537,428. 9 Claims. (Cl. 248—5.)

5. In combination, a central tubular sleeve, an upper ring having bearing rollers, a lower ring having bearing rollers, said rings having counterbores for receiving the ends of said tubular sleeve, three rollers on each ring, a lug for a balancing cable extending from the top ring



at a point between two rollers, and a clamping screw extending through the lower ring at a similarly situated point.

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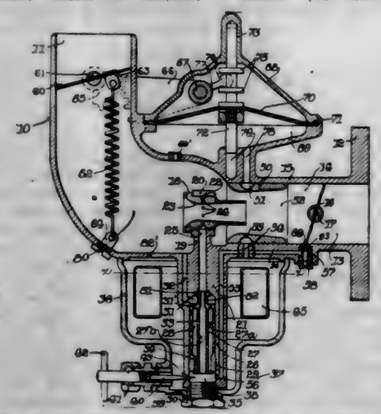
1,562,651. CARBURETOR. FRANK C. MOCK, Chicago, Ill., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 2, 1918. Serial No. 209,811. 1 Claim. (Cl. 261—72.)



In a carburetor, the combination of a main barrel having a single air inlet and a mixture outlet, an automatic valve governing said inlet, a suction controlled element governing said valve, venturi means within said barrel, a suction passageway between said venturi means and said suction operative element, and a connection between said barrel and said suction operative element at a point between said valve and said venturi means for modifying the effect of the suction on said element.

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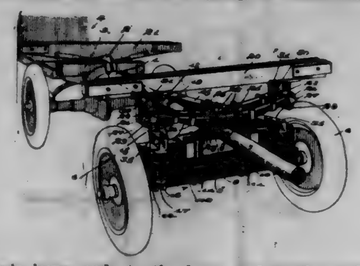
1,562,652. TRAILER. WILLIAM C. NABORS, Mansfield, La. Filed Apr. 3, 1925. Serial No. 20,465. 5 Claims. (Cl. 280—33.4.)

1. In a trailer, an axle supported on wheels, a sill superposed on said axle, a bearing block secured on the sill intermediate the length of the latter and midway between the wheels, said bearing block having an opening for the reception of a reach pole, a semi-elliptic spring secured intermediate its length on said bearing block with the concavely curved side thereof uppermost,

an elongated cross member adapted to support a load, hanger plates depending from said cross member adjacent to opposite ends of said spring, and links attached



at their lower ends to the lower end portions of said hanger plates and pivotally attached at their upper ends to the ends of said springs.

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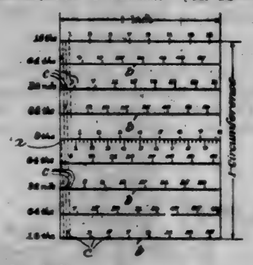
1,562,653. FRACTION-READING MICROMETER CALIPER. RALPH G. NILSON, Worcester, Mass., assignor to Nils Nilson, Worcester, Mass. Filed Nov. 14, 1921. Serial No. 514,967. 5 Claims. (Cl. 33—166.)



1. Means for indicating in common fractions of an inch the adjustment of a micrometer, the screw of which has the usual 40 threads to the inch, said means comprising two coaxial relatively rotatable cylindrical members, one being hollow and telescoped on the other and the two being inter-connected through the gauge screw so as to be relatively shifted axially thereby in accord with the pitch of the screw upon relative rotation of the members, the inner of said members being provided upon its cylindrical surface with eight lines extending longitudinally of the cylinder and equally spaced thereabout, each of said longitudinal lines being provided with division marks, each of said division marks being numbered to show the numerator of the fraction indicated thereby and the longitudinal lines being severally identified with numbers corresponding respectively to the denominator of the fractions indicated by the marks thereon, the outer member being provided at the end edge thereof overlying the inner member with a zero mark and with a circumferential scale of graduation, each division mark of the longitudinal lines being so positioned that, when the zero point of the outer member is brought in registration with said mark, the fraction indicated thereby will show the amount by which the two members have been relatively axially shifted from their initial or zero position.

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1,562,654. METHOD OF PRODUCING ALLOYS. ALADAR PACZ, Cleveland Heights, Ohio. Filed Mar. 18, 1920. Serial No. 366,968. 20 Claims. (Cl. 75—1.)

1. The process of producing alloys which contains the step of treating with aluminum a double fluoride of sodium with one of the component metals in a molten bath of the other component metal, whereby the aluminum replaces the first named component metal from its compound with the fluorine.

1,562,655. PROCESS AND COMPOSITION OF MATTER FOR DEOXIDIZING METALS AND ALLOYS. ALADAR PACZ, Cleveland Heights, Ohio. Filed May 11, 1921. Serial No. 468,779. 16 Claims. (Cl. 75—45.)

13. The process of refining metals and alloys which contains the step of incorporating in a molten bath of the same an intimate mixture of aluminum powder and sodium silico-fluoride.

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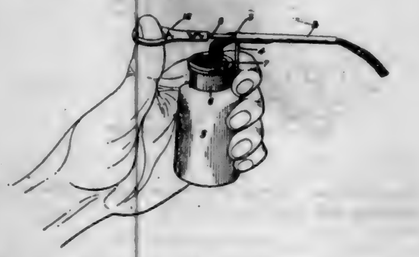
1,562,656. STRIP-GAUZE PACKER. KENNETH C. PARK, San Francisco, Calif. Filed Sept. 2, 1924. Serial No. 735,232. 4 Claims. (Cl. 128—263.)



1. A strip gauze packer comprising an oblate ellipsoidal barrel through which the gauze passes and in which it is arranged to be formed flat, a plunger for moving the gauze through the barrel and means for attaching the barrel to a strip gauze container.

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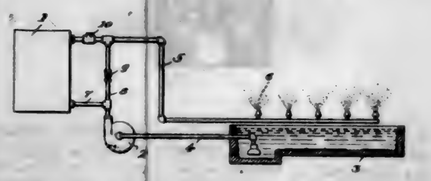
1,562,657. APPARATUS FOR SPRAYING IN COOLING PONDS AND THE LIKE. LEE H. PARKER, Boston, Mass., assignor to Spray Engineering Company, Boston, Mass., a Corporation of Massachusetts. Original application filed Feb. 5, 1916, Serial No. 76,297. Divided and this application filed June 20, 1917. Serial No. 175,843. 9 Claims. (Cl. 261—115.)



1. A cooling pond provided with spraying means, and a barrier at one or more sides of the pond, the barrier being provided with an apron at its lower part permitting the admission therebelow of a stream of cool air.

7. A spraying combination comprising a cooling pond 3 having spraying nozzles mounted thereover and upwardly directed, a condenser 1, piping 5 leading from the condenser to the spraying nozzles, a circulating pump 2, piping 4, 7 leading from the cooling pond to the condenser, a by-pass 8 leading from the piping 7 to the piping 5, a valve 9 therein and adapted to regulate the relative proportion of the flow through said by-pass, and a barrier 37 surrounding said pond and provided with air directing means 27 to direct an incoming stream of air to the pond.

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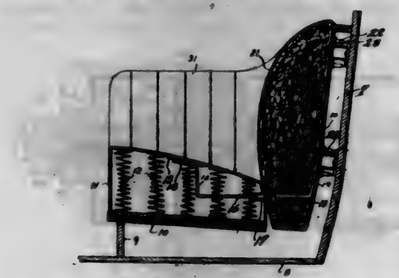
1,562,658. VEHICLE SEAT. JOHN F. PRESSLEY, Detroit, Mich. Filed Nov. 3, 1922. Serial No. 598,819. 2 Claims. (Cl. 155—53.)

1. In a vehicle seat having sides and a back, an upiliary back to the rear of and spaced from said seat back; a U shaped member mounted on said auxiliary back and adapted for vertical movement relatively thereto; a pair of socket bearing members mounted on said seat back and adapted to receive the legs of said U shaped member to permit the approach and withdrawal of said



seat back to and from said auxiliary back; and resilient means connected to said U shaped member and said seat back for normally assisting the withdrawal of the one from the other.

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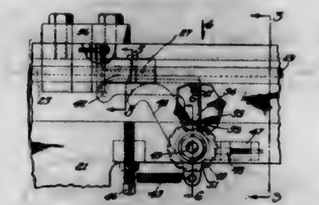
1,562,659. CHECK FOR LOOM NEEDLE MOTION. WILLIAM W. ROBERTSON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed May 9, 1925. Serial No. 29,204. 8 Claims. (Cl. 139—123.)



1. In a needle motion for Axminster looms comprising a needle and a block movable therewith, a check lever movable into checking relation with respect to the block, and means actuated by the block as the latter nears the end of its stroke to move said lever into checking position.

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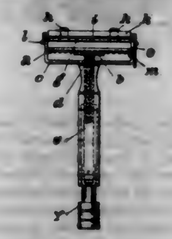
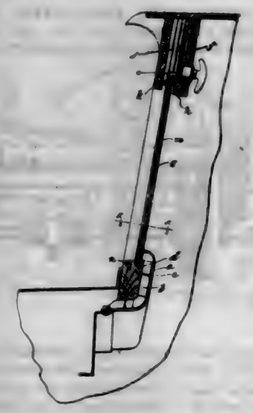
1,562,660. SAFETY RAZOR. WILHELM SIMMELBAUER, Munich, Germany. Filed Feb. 3, 1925. Serial No. 6,508. 4 Claims. (Cl. 30—12.)



2. A safety razor comprising a tubular, internally threaded handle, a U-shaped bow supported thereon, a bottom plate extending between the arms of the U-bow and guidingly embracing the same, a screw spindle swiveled to the plate and threaded through the handle, spaced guard elements secured to the plate, a blade-supporting bridge supported by the arms of the U-bow and adapted to be straddled by the spaced guard-elements when the bottom plate is moved upwardly toward the bridge, and a cover plate arranged above the bridge.

1,562,661. WEATHER FRAME FOR WINDSHIELDS. EMORY GLENN SIMPSON, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed Sept. 15, 1924. Serial No. 737,709. 7 Claims. (Cl. 296—93.)



1. In a windshield and window construction, a weather frame comprising a single integral frame of yieldable or deformable material forming a sill strip arranged to extend clear across the window opening and two vertical runways, the runways serving to guide the glass in vertical movement and the sill strip to pack the panel at the bottom.

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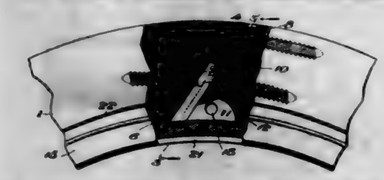
1,562,662. CORE. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 6, 1922. Serial No. 558,943. 12 Claims. (Cl. 18—45.)



3. A core comprising a solid annulus of rubber composition transversely split to provide end portions said end portions being adapted for locking engagement and for disengagement by movement of one end portion in the plane of the core and toward the center thereof.

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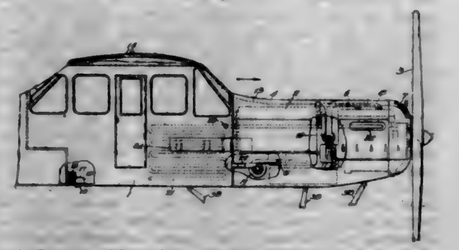
1,562,663. FLYING MACHINE. WILLIAM J. H. STRONG, Chicago, Ill. Filed July 22, 1918. Serial No. 245,979. 10 Claims. (Cl. 244—30.)



1. In a machine of the kind described, a substantially closed cabin, a conduit having an open end into which air is adapted to be forced by the movement of the ma-

chine through the air, a pump adapted to receive said air and force it into the cabin at a higher pressure and means controlling the pressure in the cabin.

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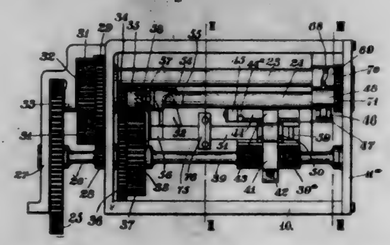
1,562,664. LUBRICATING MECHANISM. MARVIN R. TEDRICK, Plain City, Ohio. Filed Dec. 16, 1924. Serial No. 756,288. 8 Claims. (Cl. 184—27.)



2. Mechanism for lubricating a plurality of distinct parts comprising, in combination, a lubricant reservoir, a series of pumps and pistons therein for supplying lubricant to said parts to be lubricated, a cam shaft common to the series of pistons to act directly on said pistons, driving means for said cam shaft, means for connecting and disconnecting the cam shaft from its driving means and means actuating the same to cause the intermittent rotation of said cam shaft.

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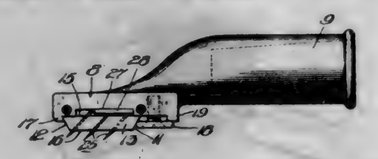
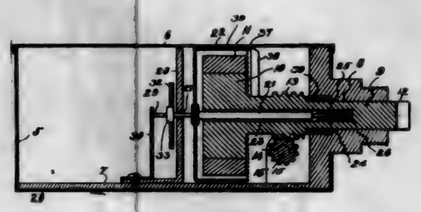
1,562,665. CARPET STRETCHER AND THE LIKE. WINGATE S. THOMAS, Chicago, Ill., assignor to Knapp Brothers Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1924. Serial No. 735,251. 8 Claims. (Cl. 45—89.)



1. A device of the class described comprising in combination a body member having a transverse recess in its bottom face, a downwardly reaching undercut lip on its lower front edge parallel to the recess aforesaid, a downwardly depending shoulder on its lower rear edge parallel to the recess aforesaid, a series of trapezoidal spacer blocks having their broad edges facing upwards and seated against the lower face of the body member with their outer upper corners registered into the undercut lip aforesaid, a locking plate having its rear edge seated against the downwardly depending shoulder aforesaid and its front edge in engagement with the rear bevelled edges of the spacer blocks, means for drawing the locking plate firmly towards the body member at a point intermediate between its front and rear edges aforesaid, a longitudinal adjusting plate seated within the transverse recess to occupy a portion of the same throughout its length, there being three diagonally extending parallel notches on one face of each spacer block, pins seated in said notches with a pin in the central notch between one pair of blocks and pins in the outermost notches between the next pair of blocks, etc., the butt ends of certain pins seating against the longitudinal adjusting plate aforesaid, and means in conjunction with the ends of the body member for drawing all of the spacer blocks firmly towards each other, substantially as described.

1,562,666. SPEEDOMETER. STEVEN TOTH, Los Angeles, Calif. Filed Apr. 17, 1922. Serial No. 554,254. 2 Claims. (Cl. 264—1.)



2. In a speedometer, a speed indicating dial, a rotatably mounted shaft adapted to be automatically reciprocated in one direction when not rotating and in an opposite direction when rotating, means associated with said dial and shaft for actuating said dial to indicate the speed at which said shaft is revolving, and a clutch mechanism actuated by the reciprocating movement of said shaft adapted to engage with said dial when said shaft is not revolving and to become disengaged from said dial when said shaft starts to revolve.

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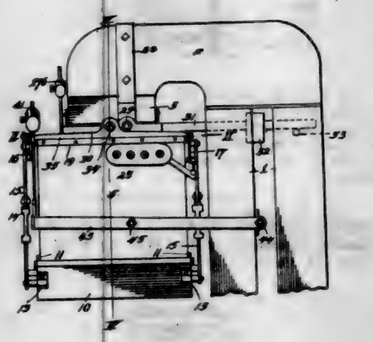
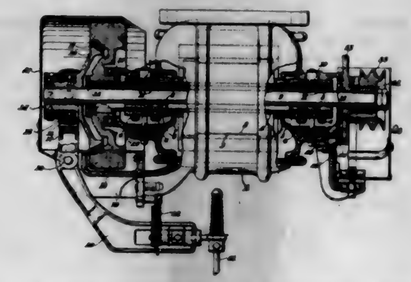
1,562,667. AUTOMATIC GRAIN WEIGHER. JAMES B. VAN DEREN, Hennessey, Okla. Filed Aug. 5, 1920, Serial No. 401,373. Renewed Sept. 9, 1922. Serial No. 587,232. 15 Claims. (Cl. 249—29.)



1. An automatic grain weigher, comprising a scale beam a hopper pivotally suspended therefrom, having two compartments, a door for each compartment simultaneously operable in reversed directions, a movable device actuated by up and down movements of the hopper, a lever on the hopper, prevented from movement by said device when the hopper is elevated, an oscillatory spout for directing grain into the compartment having its door closed, means actuated by a sufficient weight of grain in such compartment to lower the hopper, to unlock the door, bell-cranks pivoted on the hopper and linked together and to said lever, links pivotally connecting the opposite ends of the respective bell-cranks to the doors below the hinges thereof to give the opening door added leverage in closing the other door, and means actuated by the movement of the doors to reverse the position of the spout and change the flow of grain into the other compartment.



1,562,668. ELECTRIC-POWER TRANSMITTER. IRVING F. WEBB, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Sept. 18, 1924. Serial No. 738,352. 5 Claims. (Cl. 192—18.)



1. An electric power-transmitter comprising a motor having magnetically coacting stationary and rotary motor-elements, a tubular power-shaft carrying the rotary motor-element, a driven shaft journaled within said tubular power-shaft, and a manually operated friction-clutch connection between said shafts.

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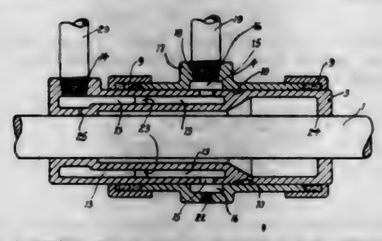
1,562,669. STUFFING BOX FOR STEAM SHOVELS. CHARLES A. WEBER, Lorain, Ohio, assignor to The Thew Shovel Company, Lorain, Ohio, a Corporation of Ohio. Filed Jan. 6, 1921. Serial No. 435,545. 5 Claims. (Cl. 285—105.)



1. A stuffing box for steam shovels and the like comprising an inner rotatably mounted member having a channel within the wall thereof and inlet and outlet openings extending therefrom, and an outer member rotatably mounted on said inner member having a channel in connection with the outlet openings in said inner member, said outer member having an outlet opening therein.

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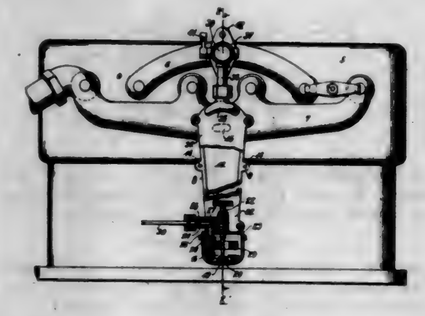
1,562,670. CARBURETOR. GEORGE R. WELCH, Detroit, Mich. Original application filed July 21, 1919, Serial No. 312,304. Divided and this application filed May 5, 1925. Serial No. 28,171. 5 Claims. (Cl. 261—13.)

1. The combination with an internal combustion engine having an exhaust pipe, of a closed chamber communicating with said exhaust pipe by a single opening, so that the pulsating pressure in said exhaust pipe causes a flow of hot gases into and out of said chamber, said chamber extending to a substantial distance from said exhaust pipe, means forming a mixing chamber, said chamber having an air inlet, a fuel nozzle discharging into said mixing chamber, and means forming a passage leading from said mixing chamber to the intake of said internal combustion engine, a wall of said passage being formed by a wall of said closed heating chamber, the parts being so arranged that the air and fuel mixture first comes into contact with the wall of the heating chamber remote from the exhaust pipe.

4. The combination with an internal combustion engine having an exhaust pipe, a heating device comprising a closed chamber having tapering side walls communicating with the exhaust pipe at a single port only,



so that the pulsating pressure in the exhaust pipe causes a flow of hot gases into and out of said chamber, a casing surrounding said chamber, and means for admitting fuel to said chamber at the small end of a tapered wall thereof to pass over said wall toward the large end.

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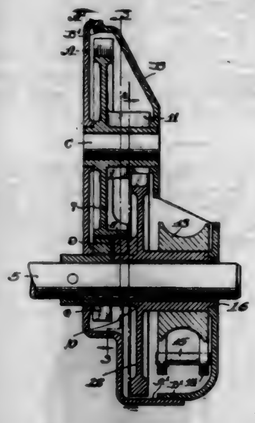
1,562,671. GEARING. RAYMOND S. ZEITLER, Chicago, Ill. Filed Jan. 23, 1925. Serial No. 4,257. 5 Claims. (Cl. 74—7.)



1. A mechanism for operating hand brakes or the like, comprising a drive shaft, a gear fixedly secured thereto, a drum and a pair of complementary segmental gears fixed with relation to each other and journaled upon the drive shaft, a gear block rotatably mounted and provided with two complete gears and a segmental gear for engaging said gear fixed to the drive shaft and the segmental gears rotatable thereon.

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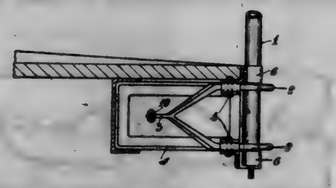
1,562,672. HOLDER FOR BOLSTER STAKES FOR FREIGHT VEHICLES. ERIC ANDERSSON, Kristinehamn, Sweden. Filed Apr. 21, 1924. Serial No. 707,806. 2 Claims. (Cl. 105—384.)

1. In a bolster stake holder, the combination of a laterally open socket bracket having cheek-pieces adapt-

ed to enclose a stake from two opposite sides, and a locking lever pivoted on the inside of said bracket and capable of turning on an axis substantially parallel with



the longitudinal direction of a stake inserted in said bracket, the outer arm of said lever being hook-shaped and adapted to engage the outer side of such stake.

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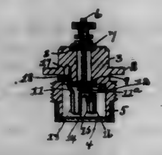
1,562,673. ELECTRIC HEATER OR VAPORIZER. LEONARD E. ASKE, Duluth, Minn. Filed Apr. 29, 1924. Serial No. 709,791. 7 Claims. (Cl. 219—38.)



1. The combination with a fluid conduit having a housing thereon, of a case extending into said housing and containing a chamber open at the inner end, a binding post extending into said chamber and spaced from said case, an electric heating wire within said chamber, said wire being electrically connected to said post and to said case, a porous cementitious refractory filling for said chamber adapted to envelop the major portion of said wire, a small portion of said wire being exposed to the fuel passage in said fuel conduit.

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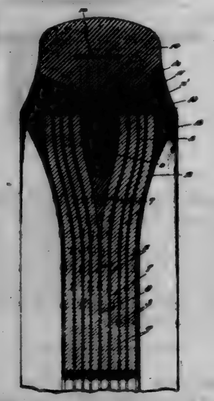
1,562,674. SOLID-TIRE VEHICLE WHEEL. HARRY N. ATWOOD, Monson, Mass., assignor to Rubwood, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Aug. 23, 1923, Serial No. 658,947. Renewed Feb. 18, 1925. 10 Claims. (Cl. 301—63.)



3. In a vehicle wheel, a body comprising plies of resilient body material and bonding plies of rubber material, the plies comprising the body being arranged in two sections and the said sections having their peripheral portions outwardly deflected to provide a circumferential channel, a cushioning filling in said channel, and a tread surrounding and sustained by the said filling and the walls of the channel.

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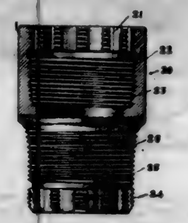
1,562,675. COUPLING FOR WELL CASINGS. REUBEN C. BAKER, Coalinga, Calif., assignor to Baker Casing Shoe Company, a Corporation of California. Filed Mar. 7, 1923. Serial No. 623,405. 4 Claims. (Cl. 285—146.)



1. A coupling for connecting contiguous ends of pipes, said coupling comprising a body portion threaded at one end whereby it may be connected to the end of one of said pipes, cutting threads formed at one end of the body portion for engaging the end of the other pipe to thread the same, straight full threads formed as a continuation of the cutting threads to form a firm connection between the pipe and the coupling, and tapered full threads formed as a continuation of the straight full threads to form a tight fit between the coupling and the pipe.

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1,562,676. DEMOUNTABLE RIM. CLAUDE BELCHER, Des Moines, Iowa. Filed May 28, 1923. Serial No. 641,896. 2 Claims. (Cl. 301—11.)

1. In a demountable rim, a rim member having a tire engaging flange and having a rabbet in its outer surface, a second rim member received in said rabbet and having a tire engaging flange, means for detachably locking said rim members together, said means including a locking arm pivoted to one of said rim members and having a projecting member at its free end, the other of said rim members having a shoulder for coacting with said projecting member, a rocking pintle mounted on the other of said rim members, said pintle and said locking arm having coacting engaging means, and means for locking said pintle in one position of its movement.

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1,562,677. BEAD FOR PNEUMATIC TIRES. FRANK H. BERNA, Akron, Ohio, assignor to John R. Gammeter, Akron, Ohio. Filed Sept. 8, 1921. Serial No. 499,306. 15 Claims. (Cl. 245—1.5.)

1. A bead comprising an extensible core and a filling of material which will not soften at the temperature of vulcanization.



1,562,678. TIRE-BEAD CONSTRUCTION. FRANK H. BERNA, Akron, Ohio, assignor to John R. Gammeter, Akron, Ohio. Filed Oct. 5, 1921. Serial No. 505,628. 11 Claims. (Cl. 245—1.5.)

1. In a bead construction, a metallic grommet and a filler strip completely surrounding the grommet, said filler strip being composed of flexible material which will not soften at the temperature of vulcanization.

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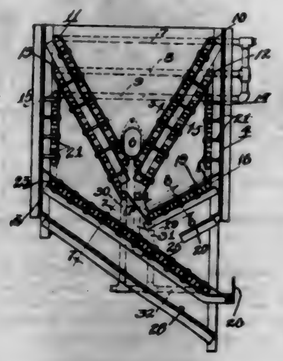
1,562,679. MATERIAL STEAM DRIER. CARL FREEMAN BLEDSOE, Chicago, Ill. Filed Sept. 20, 1924. Serial No. 738,795. 11 Claims. (Cl. 34—34.)



1. In a drying machine, a chamber, steam-heated coils extending along the sides thereof and interiorly thereof, and an inclined heating coil near the bottom of said chamber having a screen superposed thereover.

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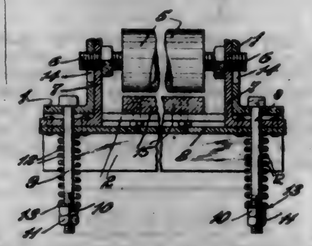
1,562,680. RETARDER FOR GRAVITY CONVEYERS. WILLIAM J. BOHN, St. Louis, Mo., assignor to Alvey Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 5, 1925. Serial No. 554. 4 Claims. (Cl. 193—32.)



1. A gravity conveyer having a yieldably supported section and means for increasing the frictional resistance to the movement of an article on said section of sufficient weight to depress said section.

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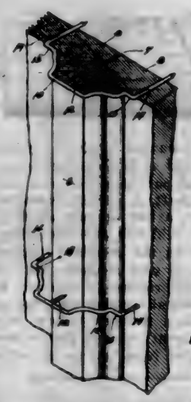
1,562,681. BATTEN NAIL. LOUIS F. BONALY, Leavenworth, Kans. Filed Mar. 16, 1925. Serial No. 15,830. 2 Claims. (Cl. 85—49.)



1. A batten nail comprising a body portion adapted to embrace the outer face of the batten member and carrying a prong or nail element for embedment in said outer face of the batten member, said body portion terminating at both ends in nail elements for securing the batten member to a building structure, and the end portions of said body portion also being formed with shoulders providing heads for said last-named nail elements.

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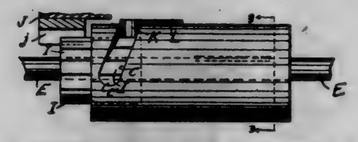
1,562,682. CONDENSER. CARL F. BRAUN, San Francisco, Calif. Filed June 29, 1921. Serial No. 481,987. 2 Claims. (Cl. 257—225.)

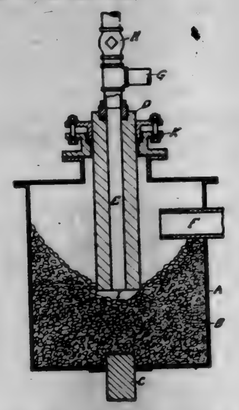
1. A heat exchanger comprising a shell having an inlet and an outlet through which a fluid may flow, a tube unit within said shell, a rigid mounting for one end of said tube unit, a dome shaped member secured to the other end of the tube unit and having an aperture therein disposed in the line of flow of the fluid through the tube unit, and a yieldable member having its central part connected to the dome shaped member and its outer edge connected to the shell for the yieldable support of said second mentioned end of the tube unit.

**1,562,683. DRIVE FOR STARTING INTERNAL-COMBUSTION ENGINES.** ODILON BRISSOIS, Chicago, Ill. Filed Nov. 3, 1921, Serial No. 512,423. Renewed Aug. 31, 1925. 8 Claims. (Cl. 74—7.)



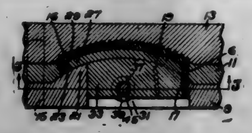
1. A rotatably mounted shaft, a cylindrical member, a partition wall and a head at one end of said cylindrical member, said partition wall and said head loosely mounted on said shaft, a spirally extending slot in said cylindrical member, a hub on said shaft secured thereto to turn therewith, said hub provided with longitudinally extending recesses on the periphery thereof, in combination with rollers in said recesses and means to yieldingly maintain said rollers in contact with the inner face of said cylindrical member and one side of said recesses, a gear pinion member loosely mounted on said shaft and an abutment on said pinion member arranged to travel in said slot from one to the other end thereof.

**1,562,684. SYNTHESIZING GASES IN ELECTRIC FURNACES.** MORTIMER JAY BROWN, Niagara Falls, N. Y., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed Oct. 2, 1922. Serial No. 591,695. 11 Claims. (Cl. 204—64.)



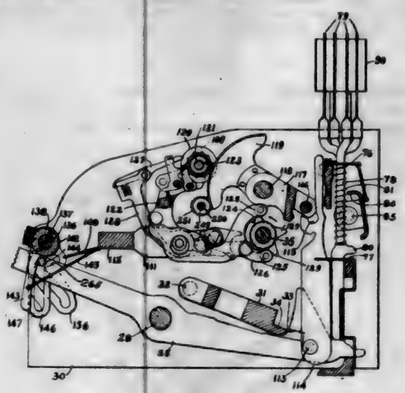
1. In a resistance electric furnace for effecting gas reactions, of the type having a resistor of comminuted material interposed between the electrodes, the method which consists in supplying resistor material at such rate with the reacting gas as to maintain the electrical resistance within predetermined limits.

**1,562,685. MOLD FOR PEDAL CUSHIONS.** JOSEPH F. O. BURMAN, Brockton, Mass. Filed Oct. 3, 1923. Serial No. 666,308. 10 Claims. (Cl. 18—42.)



1. In a mold of the character described, a base member having a plurality of raised portions each provided with a central longitudinal slot, said slots at one end being widened, means superimposed on said base member and forming recesses and a mold cover above said raised portions, core members having portions fitting the upper surfaces of said raised portions of said base member and adapted to be received in said openings, said core members having shank portions fitting said slots and having portions extending into said widened portions of said slots, and a locking bolt mounted for reciprocation in said base member for engaging said portions of said core members fitting said slots for holding them in position.

**1,562,686. CASH REGISTER.** THOMAS CARROLL, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio. Filed Dec. 8, 1919. Serial No. 343,395. 21 Claims. (Cl. 235—3.)



1. In a machine of the class described, the combination of a plurality of totalizers, independent actuating means for each totalizer, item entering means, and independent means actuated by the item entering means for operating the various actuating means.

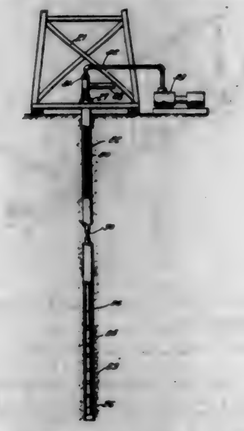
**1,562,687. HINGED LUG FOR BRAKE SHOE.** LEONARD J. COLE, Buffalo, N. Y. Filed Jan. 10, 1925. Serial No. 1,701. 2 Claims. (Cl. 188—249.)

2. In a device of the class described, the combination of a brake shoe, a lug mounted on the brake shoe and swingable outwardly toward the lug on the opposite end of the brake shoe, the lug having a cam-shaped base portion, said cam-shaped base portion including a shoulder portion which functions as a locking element when it abuts with the end of the conventional brake band, for the purposes described.

**1,562,688. PUMP.** ROLAND R. CRUM, Whittier, Calif., assignor, by direct and mesne assignments, to L. & B. Producing & Drilling Co., a Corporation. Filed Aug. 18, 1923. Serial No. 658,054. 10 Claims. (Cl. 103—46.)

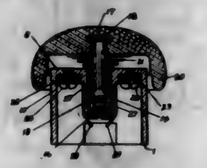
1. In pumping equipment, the combination of: tubing arranged to extend within a well; pump mechanism secured to the lower end of said tubing; a fluid motor adapted to be operated in all phases of motion by fluid under pressure, said motor being associated with said pump mechanism; a fluid pressure pipe extending down-





wardly within said tubing; and means for delivering the discharge of said pump mechanism into the space between said tubing and said pressure pipe wherein said discharge is conducted to the ground surface.

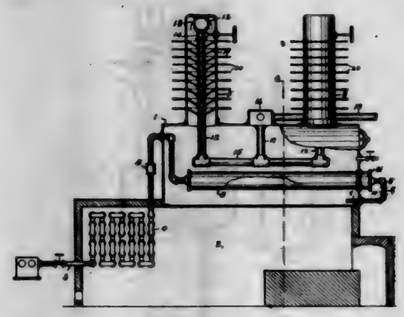
**1,562,689. PUSH-BUTTON SWITCH.** WILLIAM W. DEAN, deceased, late of Lowell, Mass., by Mary E. Dean, executrix, Birmingham, Mich., assignor to The General Phonograph Manufacturing Company, Elyria, Ohio, a Corporation of Ohio. Filed Dec. 8, 1923. Serial No. 679,301. 5 Claims. (Cl. 200—159.)



1. In a push button electric circuit controller, the combination of a base member, electric circuit controlling contacts mounted on said base member and normally disassociated electrically from each other, a push button member adapted to be reciprocated with respect to said base member, extending over the top of said base member and provided with an annular peripheral flange overhanging the upper part of the sides of the base member and adapted to telescope with said base member when the push button member is reciprocated, a pair of relatively long bearings, one on the base member and one on the push button member, upon which said push button member reciprocates with respect to the base member, said bearings fitting tightly, preventing the tilting and insuring the reciprocation of the push button member with respect to the base member, means whereby the contacts are associated electrically when the push button member is reciprocated and means for returning said push button member to normal when released.

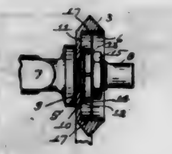
**1,562,690. STILL.** MAX F. DE BAILIGHTHY, Houston, Tex. Filed June 20, 1922. Serial No. 569,614. 3 Claims. (Cl. 196—119.)

1. The combination with a still including a boiler, of a plurality of reacting drums mounted therein, and one end of which projects outside of the boiler, a detachable head carried by the outer ends of said drums, an inlet



pipe formed with heating coils entering one end of the drum and a discharge nozzle leading from the outer end of the drum and entering the boiler.

**1,562,691. CAP FOR AUTOMOBILE RADIATORS.** MARTIN DE GRAAF, Grand Rapids, Mich., assignor, by mesne assignments, to Wolverine Metal Specialties Co., Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 18, 1923. Serial No. 658,023. 3 Claims. (Cl. 151—2.)

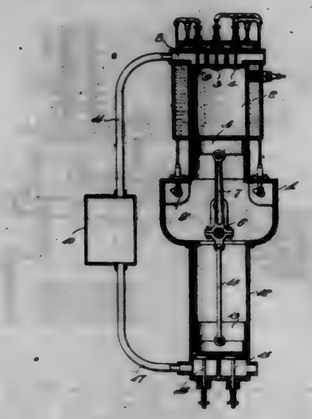


1. In a structure of the character described; a body having an opening with a contracted portion and an enlarged portion; a member having a screw-threaded shank extending through said opening and a shoulder abutting the outer side of the body; a concavo-convex washer on said shank; a nut on the shank outside the washer and adapted in screwed-down position to flatten the washer between the nut and the bottom of the enlarged portion of said opening and thereby press the washer into holding edgewise contact with the lateral wall of said portion.

**1,562,692. SURCHARGER FOR AEROPLANE ENGINES.** CLAUDE DE ROCHEFORT-LUCAY, Brooklyn, N. Y. Filed Oct. 12, 1922. Serial No. 594,132. 2 Claims. (Cl. 123—75.)

1. In an internal combustion engine, a crank case, a crank shaft rotatable therein, cylinders extending from said crank case, pistons in said cylinders having piston rods connected with said crank shaft for causing uniform reciprocation of the pistons during rotation of the shaft, one of the cylinders being a power cylinder and having a valve-controlled fuel inlet and a valve-controlled exhaust, an air inlet and a valve for said air inlet; the other cylinder constituting a compressor cylinder and having a valve-controlled air inlet and a valve-controlled air outlet; an air reservoir having an inlet passage lead-

ing to the valve-controlled air outlet of said compressor cylinder and having also an outlet passage leading to said air inlet of said power cylinder, and means for opening



said air inlet valve of the power cylinder to admit compressed air from said reservoir during compression in said power cylinder.

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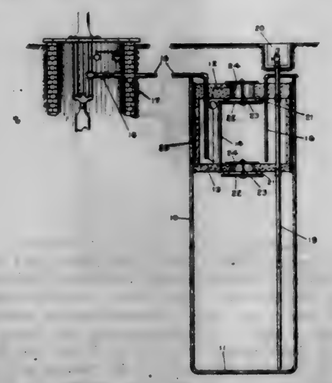
1,562,693. CISTERN. RICHARD E. DILL, Alexandria, Nebr. Filed Mar. 12, 1923. Serial No. 624,449. 5 Claims. (Cl. 137—79.)



5. In a cistern, an underground cavity, a vessel within said cavity, said vessel being enclosed on all sides, a substantially horizontal partition dividing the interior of said vessel into an upper water chamber and a lower air pressure chamber, means for equalizing the internal pressures of said two chambers, means for forcing out water which collects in the bottom of said air pressure chamber, and means for conducting water into and out of said water chamber.

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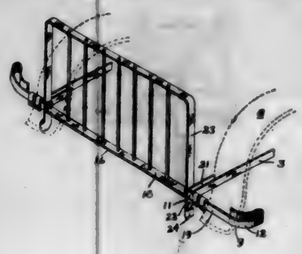
1,562,694. COMBINED BUMPER AND LUGGAGE CARRIER. ELGIN P. FARUM, Oakland, Calif., assignor to Oakland Machinery Company, Oakland, Calif., a Corporation of California. Filed Feb. 13, 1924. Serial No. 692,519. 9 Claims. (Cl. 293—55.)

1. In a combined bumper and luggage carrier for automobiles, brackets adapted to be secured to the automobile, bumpers adjustably secured to said brackets and positioned at the rear of the rear fenders of the automobile,



and a carrier rack pivoted to said bumpers and interposed therebetween.

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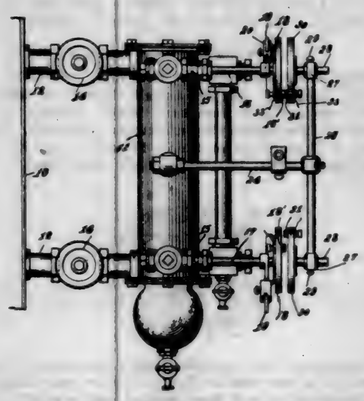
1,562,695. CIRCUIT CLOSER. JACOB SCHOBER GAINES and MARTIN E. CRIGHTON, Cairo, Ill. Filed Mar. 31, 1922. Serial No. 548,458. 1 Claim. (Cl. 200—84.)



In combination with a reservoir and a plurality of floats pivotally mounted therein, a rock shaft extending from the float, a disk carried by the end of the rock shaft, contact elements carried by the disk, a vertical bracket member supported adjacent the reservoir, axially adjustable element carried by the ends of the bracket member, a disk carried by each of the axially adjustable elements, and contact elements extending from the disk and adapted to be engaged by the first mentioned contacts, the contacts in the last mentioned disks being adapted to be connected with the source of electrical energy which in turn is connected with a signal.

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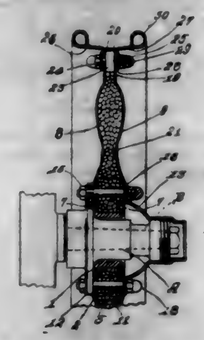
1,562,696. VEHICLE WHEEL. WILLIAM W. GARRIOTT, Seattle, Wash. Filed Oct. 31, 1924. Serial No. 747,095. 5 Claims. (Cl. 30—63.)

4. An insulated disk wheel of the character described comprising an auxiliary hub, spaced flanges rising therefrom, cross flanges arranged in the spaced flanges to provide compartments, an insulator piece receiving in each compartment, a plurality of spaced disks radiating from the flanges first mentioned, and terminating in spaced parallel outer portions, right angle disposed portions



formed on the outer portions and having their edges engaging in confronting relation, and a tire receiving rim secured to the straight parallel portions.

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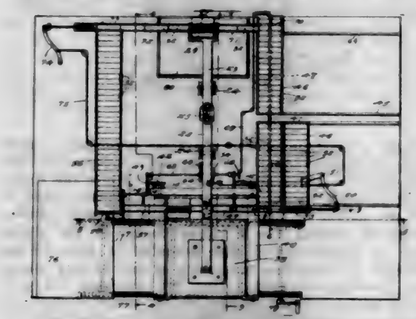
1,562,697. LETTER PRINTING AND ADDRESSING MACHINE. EDGAR F. GREER, Memphis, Tenn. Filed June 16, 1924. Serial No. 720,283. 6 Claims. (Cl. 101—47.)



1. A letter printing machine, a rotary holder for the address printing type, means for imparting an intermittent rotary movement to the said holder, and means for feeding the address printing type to the holder during the intervals between the rotary impulses imparted thereto.

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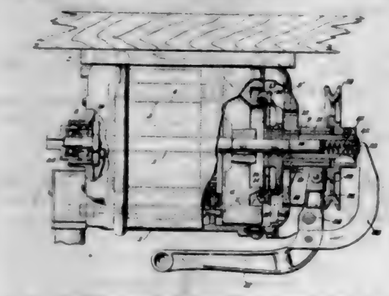
1,562,698. ELECTRIC SWITCH. GEORGE HEDEMAN HART, West Hartford, Conn. Filed Mar. 3, 1923. Serial No. 622,559. 6 Claims. (Cl. 200—172.)

5. In an electric switch and in combination, a rotary switch spindle having an offset projection, a handle having a bore, a connector slidably mounted in said bore and held against rotation relative to said handle and adapted to be threaded onto said spindle, a spring normally urging the handle against longitudinal movement relative to said connector, and a plate on the bottom of said handle having an opening slidably receiving said connector and an aperture adapted to closely receive said projection, said plate having a radially extending arm with an upturned end projecting into said handle.





1,562,699. ELECTRIC POWER TRANSMITTER. PARK A. HESS, Hillside, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Sept. 18, 1924. Serial No. 738,331. 4 Claims. (Cl. 192—18.)



1. An electric power-transmitter comprising a frame having bearings at its opposite ends only, a rotary and endwise movable sleeve-shaft journaled in one of said bearings, a driven clutch-element carried by said sleeve-shaft at its inner end between said bearings and formed with a friction clutch-face, a belt-pulley fixed to the outer end of said sleeve-shaft, a motor-shaft journaled at its opposite ends only in said sleeve-shaft and the other of the motor-frame bearings, a driving clutch-element fixed to the motor-shaft between the bearings for such shaft and formed with a friction clutch-face mating with that of the driven clutch-element, magnetically coacting stationary and rotary motor elements, said rotary element being fixed to the motor-shaft adjacent said fly-wheel, manually operated means for sliding said sleeve-shaft endwise, and a thrust bearing associated with the motor-shaft bearing remote from said sleeve-shaft.

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1,562,700. TEETERING DEVICE. WALTER LEE HERRING, Tulsa, Okla., assignor to F. E. Riddle. Filed Sept. 4, 1923. Serial No. 660,908. 1 Claim. (Cl. 272—55.)

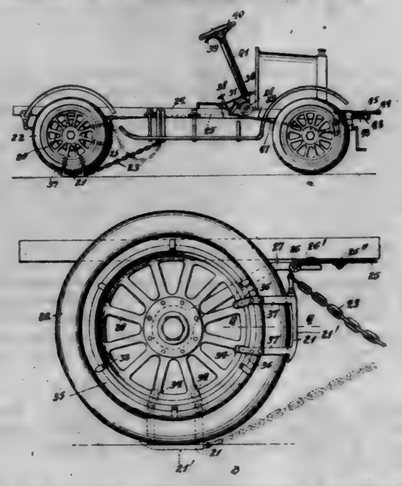
In a device of the character described, a base, an upright secured to the base and simulating the figure of a man, a standard having a vertical portion and a horizontal portion, the vertical portion being secured to the base and the horizontal portion being secured to the upright, said standard simulating the bended leg of a man, a frame connected to the standard and to the upright, a vertically swingable member including a main portion designed to simulate the other leg of a man, and an arm angularly arranged with respect to the main portion, means for pivotally mounting the member on

the standard and the frame, a saddle carried by the main portion of the member and a retractile coil spring connected to the base and to the arm of the member for elevating the main portion of the member with its saddle and a hand hold carried by the frame and overlying the main portion of the vertically swingable member.

1,562,701. GRINDING PASTE. PATRICK HOLMSTROM, Hemet, Calif. Filed Oct. 11, 1923. Serial No. 667,806. 2 Claims. (Cl. 51—279.)

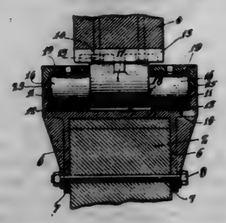
1. As a new composition of matter, a grinding paste containing citrus powder, a liquid, and an abrasive powder.

1,562,702. VEHICLE BRAKE. BAPTISTE ICRE, New York, N. Y. Filed Feb. 8, 1917, Serial No. 147,203. Renewed Feb. 9, 1925. 4 Claims. (Cl. 188—4.)



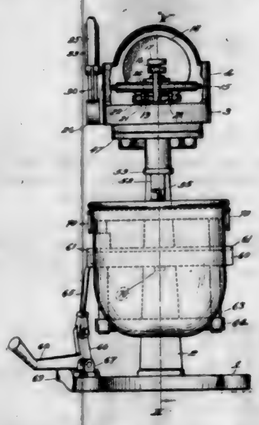
1. In a wheeled vehicle, a vehicle wheel provided with an internal circular circumferential track rigidly secured to said wheel and facing the center of the wheel, means interposed between said track and the wheel center, said means engaging said track and adapted to travel along the same about the axis of the wheel, a brake shoe adapted to become interposed between the tread of the wheel and the surface on which said tread runs, a connection extending outwardly from said track-engaging means to said brake-shoe to compel the latter to swing about the axis of the wheel, and means for controlling the position of said brake-shoe.

1,562,703. CENTER IRON. ELTON L. JONES and HARRY B. DAVIS, Jr., Taft, Calif. Filed Aug. 15, 1922. Serial No. 581,939. 4 Claims. (Cl. 308—21.)



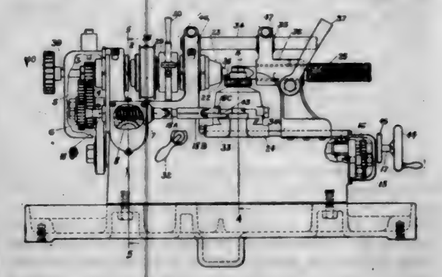
1. A center iron for mounting a walking beam or the like, comprising a one piece supporting member providing a horizontal trough closed at the ends and having opposed anchor plates depending from adjacent the ends of said trough, bushings positioned at opposed ends of said trough and spaced apart, a saddle member having a downward extension terminating in opposed trunnions, revolvably mounted by said bushings, the saddle member being shaped to leave an oil chamber between said bushings, and complementary cover plates having depending end flanges adapted to enclose the trunnions from above and at their ends.

1,562,704. BEATING AND MIXING MACHINE. WILLIAM J. KEVAN, Kansas City, Mo. Filed Oct. 6, 1924. Serial No. 741,960. 5 Claims. (Cl. 74—26.)



1. In a machine of the character described, a drive wheel, a driven wheel for peripheral engagement with a face of the drive wheel, means to adjust the driven wheel to shift its relationship with the drive wheel to a point nearer to or further from the center thereof, means for locking the adjusting means at the desired point of adjustment, a slide actuated to move in one direction by unlocking movement of the locking means, and yieldingly-actuated means for restoring the slide to its initial position as the locking means secures the adjusting means at the desired point of adjustment.

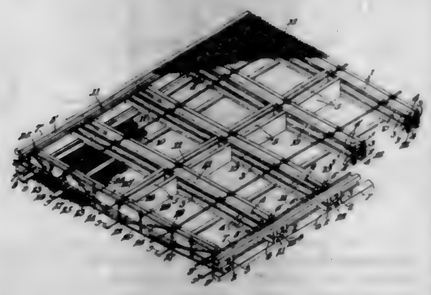
1,562,705. THREAD-CUTTING MACHINE. GEORGE R. KUNKLE, Elyria, Ohio, assignor to The General Phonograph Manufacturing Company, Elyria, Ohio, a Corporation of Ohio. Filed Aug. 13, 1921. Serial No. 491,985. 3 Claims. (Cl. 10—102.)



3. In a lathe, a longitudinally movable carriage, a cross carriage mounted upon said carriage to be moved in a direction transversely thereupon, a tool rotatably mounted in said cross carriage, and mechanism for rotating said tool including an adjustable drive shaft, said shaft comprising a plurality of sections, one of which is mounted within said cross carriage, each of said sections having a universal joint therein intermediate its ends.

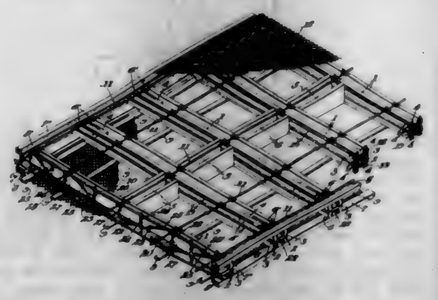


1,562,706. CONCRETE BUILDING ELEMENT. SIMON LAKE, Milford, Conn. Filed Aug. 20, 1924. Serial No. 733,208. 9 Claims. (Cl. 72—42.)



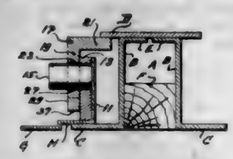
1. A concrete building element, comprising a pair of substantially similar slabs, longitudinal and transverse webs connecting said slabs and maintaining them in predetermined spaced relation, a reinforcing framework embedded in said slabs and defining said webs, reinforcing members in said webs and engaging the reinforcement of said slabs and insulating means embodied in said webs and positioned by said framework for preventing transmission of heat, cold and moisture from one of said slabs to the other.

1,562,707. PROCESS OF AND APPARATUS FOR MAKING CONCRETE BUILDING ELEMENTS. SIMON LAKE, Milford, Conn. Original application filed Aug. 20, 1924, Serial No. 733,208. Divided and this application filed Jan. 20, 1925. Serial No. 3,649. 11 Claims. (Cl. 25—131.)



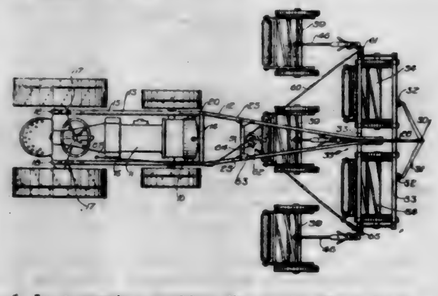
1. A method of fabricating concrete building elements comprising a reinforcing framework, an upper slab and a lower slab of concrete and interconnecting spacing webs uniting said slabs, which consists in spreading a layer of concrete of required area and thickness to form the bottom slab, embedding said framework therein, screeding off surplus concrete within said framework, supporting cores above the thus screeded concrete slab, depositing concrete upon said cores, screeding off the thus deposited concrete to the thickness desired to thus form the top slab of the element, allowing the concrete to attain a sufficient set to be self supporting, and thereafter removing said cores.

1,562,708. MOLD LOCK. FREDERICK JOSEPH LIOMIN, Glen Ridge, N. J. Filed Apr. 18, 1922. Serial No. 555,452. 12 Claims. (Cl. 25—131.)



3. In a mold of the character described, the combination of a support, a disconnectible panel coacting with the mold side thereof, an element substantially parallel to said panel carried thereby in proximity to the same, and a member capable of engaging said element together with the far side of said support so as to exert a wedging action therebetween and force the panel against the support on the near side.

1,562,709. LAWN MOWER. HARRY W. MCNUTT, Los Angeles, Calif. Filed Dec. 6, 1921. Serial No. 520,231. 3 Claims. (Cl. 56—7.)



1. In a mowing machine, the combination of: a vehicle; a mower unit disposed in front of said vehicle; a draft structure extending forwardly over said mower unit from said draft vehicle; a flexible connection between the forward end of said draft structure and said mower unit, whereby said mower unit may be pulled by said draft structure as said vehicle is propelled; frictional means for resisting the lateral swing of said mower unit around said flexible connection; and means for maintaining said mower unit in alignment when the direction of movement of said mowing machine is reversed.

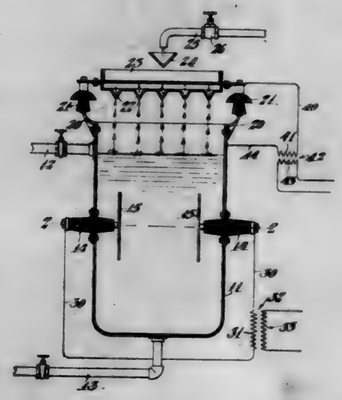
1,562,710. METHOD OF TREATING METALLIC OBJECTS AND RESULTING PRODUCTS. CHARLES P. MADSEN, New York, N. Y., assignor to Madsenell Corporation, New York, N. Y., a Corporation of New York. Filed July 27, 1920, Serial No. 399,386. Renewed Feb. 10, 1925. 9 Claims. (Cl. 204—1.)

1. The method of preparing iron, steel or equivalent surfaces to receive adherent and impervious metallic coatings, which comprises making the object to be coated the anode in a bath containing sulphuric acid of more than about eighty-six per cent strength while maintaining the bath at a temperature above normal.

1,562,711. COATED METALLIC ARTICLE AND METHOD OF MAKING THE SAME. CHARLES P. MADSEN, New York, N. Y., assignor to Madsenell Corporation, New York, N. Y., a Corporation of New York. Filed July 27, 1920, Serial No. 399,387. Renewed Feb. 10, 1925. 15 Claims. (Cl. 204—64.)

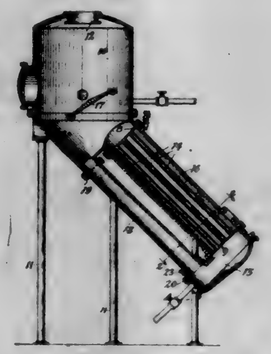
1. As an article of manufacture, a flexible metal base provided with an adherent, workable electrodeposit of a "nickel metal."

1,562,712. **PROCESS OF AND APPARATUS FOR DEHYDRATING EMULSIONS BY EXTERNALLY-CHARGED PARTICLES.** WYNN MEREDITH, Alameda, Calif., assignor to Petroleum Rectifying Company, San Francisco, Calif., a Corporation of California. Filed Feb. 14, 1921. Serial No. 444,947. 12 Claims. (Cl. 204—25.)



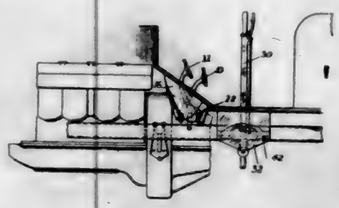
1. A method of separating conducting particles from an insulating media which comprises imparting an electric charge to other particles; introducing said charged particles into said media; and subjecting said media and said charged particles to an electric stress.

1,562,713. **EVAPORATOR.** HENRY D. MILES, Buffalo, N. Y., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y., a Corporation of New York. Filed Jan. 28, 1924. Serial No. 688,906. 3 Claims. (Cl. 159—27.)



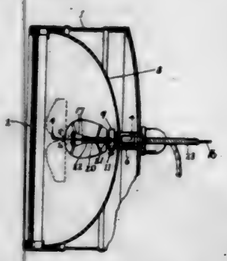
1. An evaporator comprising an inclined steam chest having upper and lower stationary flue sheets, a plurality of inclined up-take tubes arranged within the steam chest and having their upper and lower ends rigidly secured in said flue sheets, an upper exhaust chamber having its lower end rigidly connected with the upper end of said steam chest and communicating with said up-take tubes, a return chamber having its upper end rigidly secured to the lower end of said steam chest and communicating with the lower end of said up-take tubes, and an inclined return tube arranged below the steam chest and having one end rigidly connected with one of said chambers and slidably connected with the other chamber and communicating at its opposite ends with said exhaust and return chambers.

1,562,714. **DEFLECTOR.** WILLIAMS G. MILLIGAN, Akron, Ohio. Filed June 14, 1923. Serial No. 645,274. 5 Claims. (Cl. 180—77.)



1. In an automobile construction, the combination of a sectional floor board having slots therein for the operation of the control levers, a deflector having a front and side walls about the slots, means for suspending the deflector from one of the sections of the floor board, one of the side walls of the deflector extending rearwardly beneath the other section of the floor board, and a supplementary deflector upon the other section of the floor board cooperating with the first deflector to completely surround the slots.

1,562,715. **DIMMER FOR HEADLIGHTS.** JONATHAN R. NAYLOR, Three Rivers, Mich., assignor to Auto Light Control Company, Three Rivers, Mich, a Firm. Filed Oct. 27, 1924. Serial No. 746,055. 7 Claims. (Cl. 240—45.)



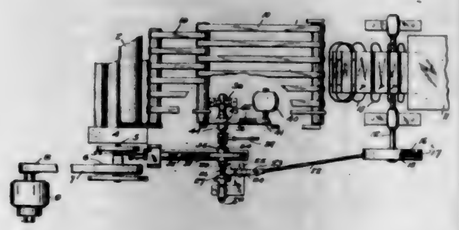
4. In a headlight, the combination of a reflector, a lamp, a screen support mounted on said lamp with its front end at the front end of said lamp, a pair of complementary screen members pivotally mounted on the front end of said support and adapted when closed to enclose said lamp and when opened to lie transversely at the front end of the lamp, and means for opening and closing said screen members.

1,562,716. **LITHOGRAPH-DRYING SYSTEM.** JULES A. NY, San Francisco, Calif., assignor of two-thirds to Western Can Company, San Francisco, Calif., a Copartnership consisting of MAX J. BRANDENSTEIN, Manfred Bransten, and EDWARD BRANSTEN. Filed Jan. 20, 1922. Serial No. 530,645. 9 Claims. (Cl. 101—416.)

1. A system for continuously printing and drying bodies, comprising, in combination, a printing machine;

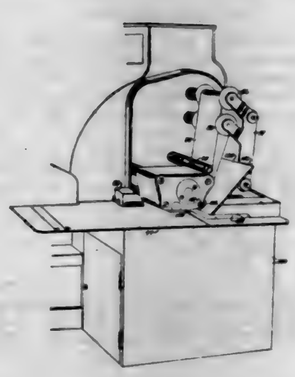


a drying apparatus including a traveling conveyor to receive the bodies successively from the machine, means for synchronizing the action of the machine and the



conveyor and means for interrupting the operation of the synchronizing means so that the machine and the conveyor may be independently driven or stopped.

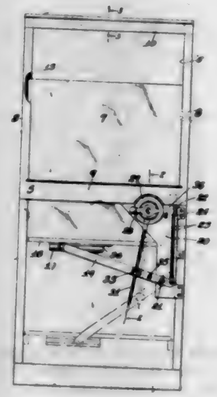
1,562,717. **CASH REGISTER.** EMIL E. OBERHAUSER, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio. Filed Apr. 16, 1924. Serial No. 706,892. 10 Claims. (Cl. 101—93.)



1. In a machine of the class described, the combination of means for causing two impressions on a slip of record material, severing means operable at each operation of the machine, means for feeding the slip after the first impression and prior to the second impression, and a slip supporting means adapted to maintain a slip out of cooperative relation with respect to said severing means during feeding operations.

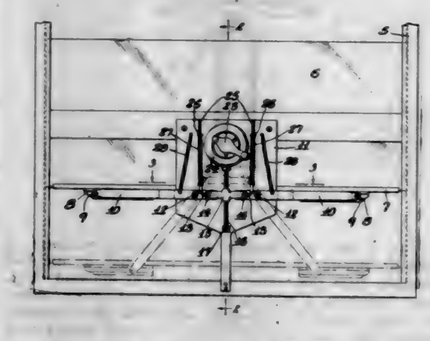
1,562,718. **WINDOW MOUNTING AND OPERATING DEVICE FOR DOORS.** ANTON E. OLSEN, New York, N. Y., assignor of one-half to George M. Reichenbach, New York, N. Y. Filed Aug. 12, 1922. Serial No. 581,356. 2 Claims. (Cl. 268—4.)

1. A window operating device of the class described, comprising an attaching plate, a lever pivoted to said plate, the free end of said lever being provided with an antifrictional device adapted to cooperate with the window panel to be operated, a block movably mounted in connection with said lever, a screw shaft in threaded engagement with said block, a bevel pinion at one end of said screw shaft, a bevel gear meshing with said pinion, a crank for rotating said bevel gear to correspondingly rotate said screw shaft, a spring mounted in connection with said lever and said attaching plate for counterbalancing the window panel in the operation of raising



and lowering the same, all of said parts being mounted in connection with said attaching plate to form a unitary construction thereof.

1,562,719. **WINDOW-OPERATING DEVICE.** ANTON E. OLSEN, New York, N. Y., assignor of one-half to George M. Reichenbach, New York, N. Y. Filed Aug. 15, 1922. Serial No. 581,948. 7 Claims. (Cl. 268—4.)



1. A window operating device of the class described, comprising a screw shaft, means for rotating said shaft, a block in threaded engagement with said shaft and adapted to be moved longitudinally thereof in the rotation of said shaft, oppositely disposed levers pivoted independently to stationary supports, one end of said levers being in operative connection with said block, and the other end of said levers being provided with antifrictional devices.

1,562,720. **BATHING GARMENT.** FRED L. PETTER and THEODORE BARGMAN, Detroit, Mich. Filed Aug. 10, 1922. Serial No. 580,886. 1 Claim. (Cl. 9—20.)

A bathing suit comprising an outer covering, a lining, a layer of kapok between said covering and said lining,

said covering and lining being stitched together to form noncommunicating individual kapok filled tufts that pre-

sent protuberances inside of a bathing suit for contact with wearer so that the body contact is materially reduced to facilitate removal of the suit.

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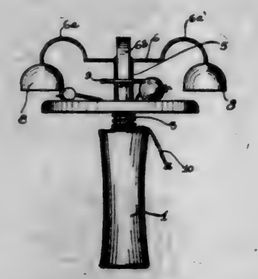
1,562,721. MUSICAL TOY. FRANK M. PIERCE, Chicago, Ill. Filed Nov. 19, 1923. Serial No. 675,498. 9 Claims. (Cl. 46—46.)



1. In a toy, a rotatable disk, metallic members of different timbre supported above said disk at different distances from the center thereof and at different elevations therefrom, a cable having bifurcated ends of different length extending through said disk upon opposite sides of the rotatable axis thereof, a small striker upon one of the bifurcated ends, a larger striker upon the other bifurcated end and a rotatable drum upon which the cable is adapted to be wound and rewound.

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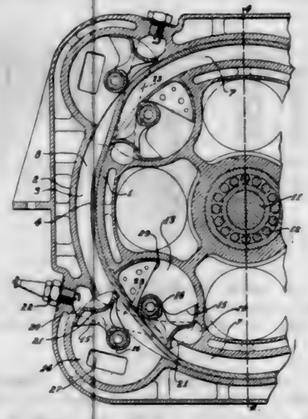
1,562,722. ENGINE. JOHN GORDON PLEMMONS, Detroit, Mich. Filed Nov. 1, 1920. Serial No. 421,146. 6 Claims. (Cl. 123—15.)

1. An engine of the class described comprising a body having an annular space therein, a rotor located in said space and formed with pairs of portions concentric with the casing, one pair of said portions being connected with the other pair, elements arranged tangential with respect to the casing, one pair of the portions forming interior chambers and the other pair exterior chambers, swinging abutments arranged in pairs and extending into said chambers and engaging the rotor, means for feeding an explosive charge to the rear side of one pair of swinging abutments, means for transferring compressed gas from the interior chambers to the exterior chambers, and



means for firing the charge in front of the opposite swinging abutments, and means for exhausting the exploded gases.

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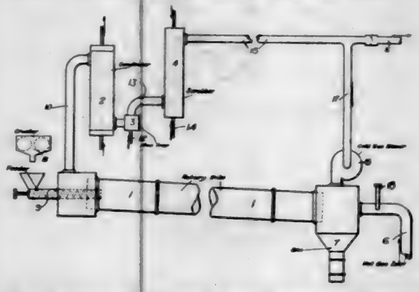
1,562,723. PROCESS OF DISTILLATION. DANIEL PYZEL, Piedmont, Calif., assignor to Simplex Refining Company, San Francisco, Calif., a Corporation of California. Filed Nov. 3, 1919, Serial No. 335,537. Renewed May 11, 1925. 2 Claims. (Cl. 196—79.)



1. A process of refining liquid bituminous material which comprises: mixing said material with solid matter to form a bituminous mixture; rolling said bituminous mixture in the form of coherent balls through a chamber; and passing hot non-oxidizing gases through said chamber in contact with said balls.

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1,562,724. KEEPER FOR CUFF BUTTONS. HOWARD A. REDFIELD, Monterey Park, Calif. Filed Feb. 2, 1925. Serial No. 6,168. 2 Claims. (Cl. 24—90.5.)

2. A cuff button keeper composed of soft rubber molded into the form of a plate having a reinforced outer edge and provided with a transverse slot, said slot having its ends terminating in round holes of a diameter greater than the width of the slot, the material adjacent to the slot and around the holes being reinforced.



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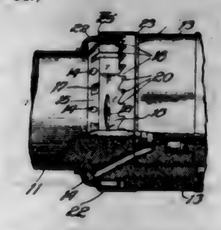
1,562,725. HANDLE-LOCKING MEANS FOR FLUID-PRESSURE-OPERATED TOOLS. ERNEST H. SHAFF, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Mar. 29, 1920. Serial No. 369,593. 3 Claims. (Cl. 121—36.)



1. A pneumatic hammer having a cylinder, a handle screw-threaded onto the cylinder, said cylinder having a plurality of external longitudinally extending grooves and said handle having a plurality of teeth in one end thereof adjacent said grooves, a locking device comprising a key member adapted to interengage with one of said grooves and having teeth adapted to interengage with the teeth on the handle, said grooves and teeth being differently spaced about the cylinder and handle respectively, the cylinder further having an exhaust port the outer end of which terminates adjacent said grooves, and an annular ring removably secured to the handle so as to be held against longitudinal movement relative thereto and having an inturned forward portion closely encircling the cylinder and forming an annular exhaust chamber into which said exhaust port is arranged to discharge, said ring further providing an annular shoulder adapted to engage with the forward end of said key member to hold it against forward movement in any one of said grooves.

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1,562,726. FLUID-PRESSURE-OPERATED TOOL. ERNEST H. SHAFF, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Apr. 5, 1920. Serial No. 371,444. 5 Claims. (Cl. 121—15.)

1. A fluid-pressure-operated tool having, in combination, a cylinder, an inner tube spaced from the interior of the cylinder to provide a storage chamber therebetween, the interior of the tube forming a piston chamber, a piston freely movable in said piston chamber, the extreme forward ends of the piston and storage chambers being in communication, annular series of ports through said tube at a point rearward of the front end of the piston chamber, a groove in the exterior of said tube communicating with said ports, said groove having a tapered bottom wall, an expansible resilient annular beveled valve member occupying said groove, the inclination of the beveled bottom wall of the groove cooperating with the valve member to hold the latter in position to close all of said ports, said valve member being arranged to be expanded by pressure within said piston chamber and to be moved along said tapered bottom wall of the groove and into contact with the interior of said cylinder whereby to cut off the forward portion of the storage chamber and direct the escaping motive fluid rearwardly, and suitable valve mechanism providing for inlet and exhaust of pressure fluid from said piston chamber.

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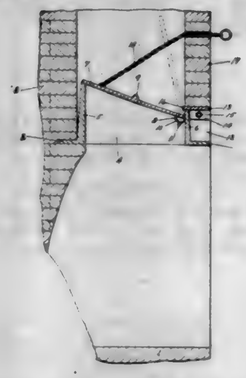
1,562,727. DAMPER FOR FIREPLACES. LOUIS W. SCHALLER, Portland, Oreg. Filed June 6, 1925. Serial No. 35,291. 2 Claims. (Cl. 126—288.)



1. In a device of the characted described, the combination of a frame comprising horizontal base members, and vertical walls at the inner edge of said base members, the vertical side walls and the rear wall sloping downwardly toward the front wall, a vertical front wall rising above the lowest point of the abutting side walls, ears cast integrally with the vertical front wall and the corresponding base member and extending upwardly to a level with the upper edge of the vertical front wall, a supporting bar resting on the upper edge of said ears and being attached thereto, with a cover resting freely on top of the side and rear walls and resting with the two front corners at the lowest point of the side walls.

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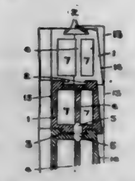
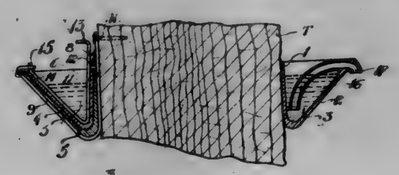
1,562,728. BUILDING CONSTRUCTION. THEODORE JULIUS JOHN ALBRECHT, Auckland, New Zealand, assignor of one-half to Stephen Shelton, Auckland, New Zealand. Filed Dec. 15, 1921. Serial No. 522,659. 1 Claim. (Cl. 72—41.)



A block for use in building walls and like structures including a substantially rectangular hollow body also rectangular in cross section, a vertical longitudinal partition positioned parallel to and medially of the side walls of the body and extending throughout the length thereof and integral with the upper portion of the body so as to divide the same into parallel compartments and the upper and lower portions of the body and the adjacent portions of the partition being provided with openings which are situated in alignment with the partitions which are adapted to register with openings in the adjacent blocks so as to place the compartments of each block in communication with each other and in communication with the compartments of the adjacent blocks.

1,562,729. TREE GUARD. JAMES B. ANDERSON, Grandview, Wash. Filed Dec. 24, 1924. Serial No. 757,890. 2 Claims. (Cl. 47—24.)



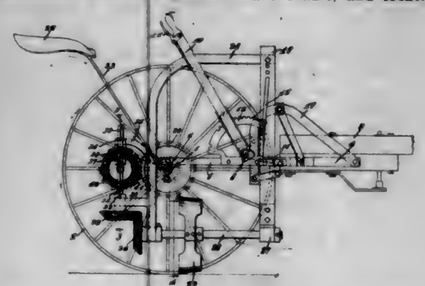
1. A tree guard comprising an encircling trough adapted to contain a liquid and means for automatically siphoning excess liquid from said trough.

1,562,730. MAGNETIC SCREW. BENJAMIN ANDREWS, Houston, Tex. Filed May 4, 1925. Serial No. 28,085. 4 Claims. (Cl. 172—239.)

1. In a device for producing a reciprocating motion, an inner cylindrical member having a pair of helical grooves therein, an outer cylindrical member enclosing said inner member and having internal helical grooves corresponding to those on the inner member, conductors located in one of said grooves to produce magnetization of opposite polarity on successive ribs between said grooves, and means for rotating one of said members relative to the other.

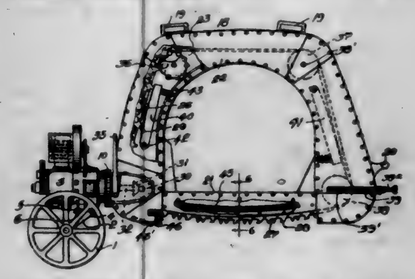
1,562,731. COTTON CHOPPER. JAMES FINIS ARNOLD, Kaufman, Tex., assignor to C. A. Norwood, Kaufman, Tex. Filed Oct. 5, 1923. Serial No. 666,795. 1 Claim. (Cl. 97—15.)

In a device of the class described, a frame; an axle journaled thereon; a ground wheel carried by the axle; a standard vertically adjustable on the frame; a rearwardly extended bracket connected to the upper end of the standard and prolonged downwardly behind the axle; a shaft extended beneath the axle and journaled in the lower end of the bracket and in the lower end of the standard; a chopper carried by the shaft; means on the frame and connected to the standard for raising and lowering the standard and the bracket; and an operative connection between the shaft and the axle, and located



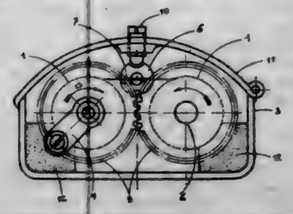
behind the axle the connection comprising relatively movable parts permitting a raising and lowering of the standard and the bracket.

1,562,732. PORTABLE SAWING MACHINE. EDWARD P. ARENBAU, Minneapolis, Minn., assignor to Arenbau & Sons Saw Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Feb. 15, 1924. Serial No. 693,025. 4 Claims. (Cl. 143—32.)



1. The combination in a sawing machine with a supporting truck, and a motor pivoted thereon to permit vertical adjustment of the machine, of a non-rotatable joint member rigid with the motor, a saw frame and endless chain saw, a joint member rigid with the saw frame and rotatable with relation to said non-rotatable member in a plane at right angles to the vertical adjustment of the machine, means for retaining said two members in operative position, and connections from the motor for operating the saw.

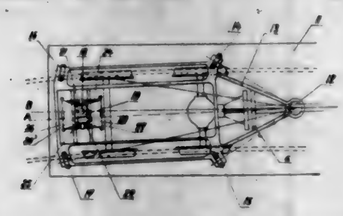
1,562,733. MACHINE FOR SHARPENING RAZOR BLADES. MARTHE AUGSBURGER, Geneva, Switzerland. Filed Nov. 10, 1922, Serial No. 600,106. Renewed July 20, 1925. 2 Claims. (Cl. 51—80.)



2. In a razor blade sharpening device, the combination of a casing, sharpening rollers mounted therein, means to rotate said rollers in opposite directions, said rollers being adapted to contact with and support a razor blade, a blade holder preventing displacement of said blade, a lid on said casing, and means penetrating said lid for adjusting the contact pressure between the blade and the rollers.

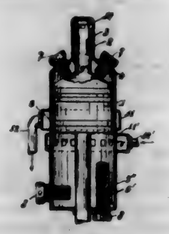


1,562,734. RUNNING GEAR FOR LOCOMOTIVES WITH FOUR DRIVING AXLES. LOUIS BAUDET, Paris, France. Filed May 20, 1925. Serial No. 31,656. 2 Claims. (Cl. 105—175.)



1. In a running gear for locomotives provided with four driving axles and a longitudinal driving shaft, a Bissell-frame borne by both axles of one half of the locomotive, a projection borne by the frame of the locomotive in the central longitudinal axis thereof and round which said Bissell-frame is adapted to oscillate at its inner end, two elastic joints of the longitudinal driving shaft at equal distances on either side of said projection, and means whereby said driving shaft actuates the axles.

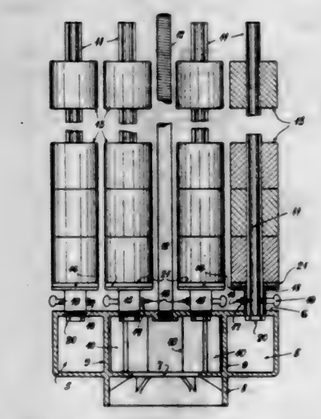
1,562,735. DISTRIBUTION AND CONTROL ARRANGEMENT FOR TWO-STROKE ENGINES. LUCA BONGIOVANNI, Torino, Italy. Filed Oct. 31, 1924. Serial No. 747,067. 3 Claims. (Cl. 123—74.)



2. In an internal combustion engine, the combination of a cylinder having inlet and exhaust ports and also having an upstanding axial throat at its upper end which is closed at its top; a hollow piston in said cylinder having an open-topped upstanding tubular projection on its upper face which extends into said throat and is spaced circumferentially from the same, said throat being formed adjacent its lower end with a series of transfer ports to enable the passage of explosive mixture from the space between the throat and tube into the explosion chamber of the cylinder; and a gas-tight ring in said space encircling the upper end of said tube and rigidly secured thereto.

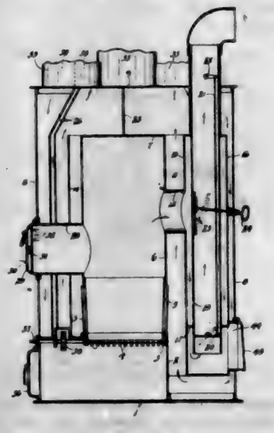
1,562,736. APPARATUS FOR DYEING WOUND YARNS ON SPINDLES. JOHN BRANDWOOD, THOMAS BRANDWOOD, and JOSEPH BRANDWOOD, Elton, Bury, England. Filed Dec. 22, 1923. Serial No. 682,301. 3 Claims. (Cl. 8—19.)

3. A support for cheeses of yarn, comprising a hollow chamber for dye provided with a spindle holder at its top having a plate for supporting the cheeses, an upwardly tapering spindle for positioning the cheeses having its lower end portion slidable downwardly in the spindle holder and provided with passages for dye which communicate with the said chamber, a plate secured to the spindle below the spindle holder to limit its upward movement, means for limiting the downward movement



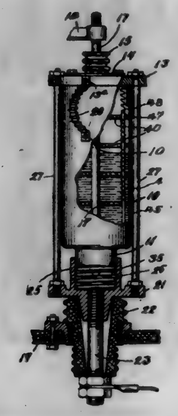
of the spindle when depressed in the spindle holder to free the cheeses, and a fastening device for locking the spindle in the spindle holder.

1,562,737. HOT-AIR HEATING SYSTEM. DEWITT A. BRUNETT, Minneapolis, Minn. Filed May 3, 1923. Serial No. 636,414. 11 Claims. (Cl. 126—109.)



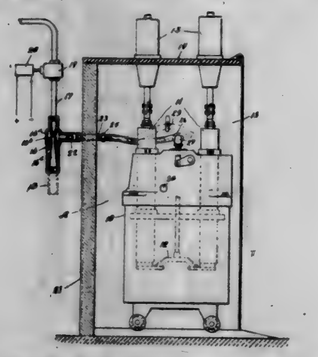
1. An auxiliary heating device for a furnace comprising a casing forming a secondary combustion chamber, means connecting said chamber to the primary combustion chamber of a furnace, a passage for descending cold air at the exterior of said secondary combustion chamber, a passage for ascending warm air at the interior of said secondary combustion chamber and a skirt partition between the exterior of said secondary combustion chamber and said passage for descending cold air spaced a comparatively small distance from the outer wall of said secondary combustion chamber to form a passage for ascending air communicating at its bottom with said passage for cold air and at its top with the said passage for ascending warm air.

1,562,738. HIGH-TENSION ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed Apr. 23, 1921. Serial No. 463,773. 15 Claims. (Cl. 200—150.)



14. An electric switch including an oil receptacle having a reduced neck at the bottom thereof, and yielding supporting means in engagement with said neck.

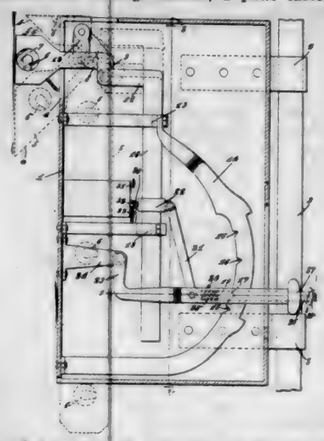
1,562,739. ELECTRIC SWITCHING APPARATUS. GEORGE A. BURNHAM, Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed May 17, 1922. Serial No. 561,756. 12 Claims. (Cl. 200—150.)



2. The combination of an isolating partition wall, an enclosed electric switch disposed on one side of and adjacent said wall, a suction switch-ventilating device comprising an ejector disposed on the other side of and adjacent said wall, and a communicating conduit extended through said wall and having communication with said ejector and the interior of said electric switch.

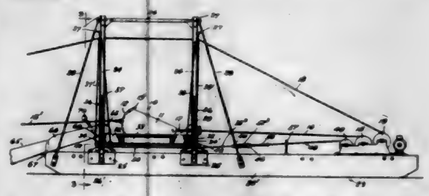
1,562,740. DIRECTION-INDICATING SIGNAL FOR VEHICLES. JAMES E. BURNHAM and EDWIN ALLEN JONES, Pomona, Calif. Filed Aug. 6, 1923. Serial No. 656,050. 6 Claims. (Cl. 116—54.)

1. A device of the class described comprising a supporting structure, a signal arm mounted to swing thereon, an L-shaped member slidably mounted on said structure and pivotally connected by its short arm with said arm, a lever fulcrumed on said structure and connected to actuate said sliding member, a pawl carried by the



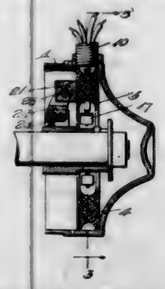
lever and a rack by the structure for locking the lever in adjusted positions whereby the arm is held at the desired angle.

1,562,741. EXCAVATING AND DUMPING APPARATUS. JAMES H. COYNE, Port Townsend, Wash. Filed Feb. 27, 1922. Serial No. 539,671. 8 Claims. (Cl. 214—95.)



1. In apparatus of the character described, an elevator, a framework in which said elevator operates, power operated cables for elevating the elevator, means provided on said framework for guiding the elevator in vertical and lateral directions successively, and controlling devices actuated by the movement of the cables and cooperating with said means to effect the tilting of the elevator during the lateral movement of the same.

1,562,742. ENGINE TIMER. WILLIAM M. DAVIDSON, East View, Ky. Filed Nov. 27, 1923. Serial No. 677,822. 3 Claims. (Cl. 200—24.)

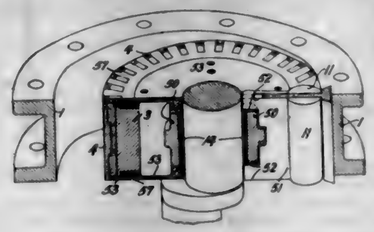


1. A timer comprising a shell, a race ring of insulating material secured therein and having a flat face at an angle to its axis, contacts embedded in said



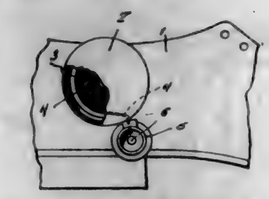
ring and having radial openings, and longitudinally split fasteners for reception in said openings and adapted to straddle wire terminals to electrically connect them with said contacts, said ring being recessed to permit spreading of the ends of said fasteners to secure them against removal.

1,562,743. ROTARY ENGINE. ALBERT WILLIAMS DAW and ZACHARIAS WILLIAMS DAW, London, England. Filed July 3, 1924. Serial No. 723,979. 4 Claims. (Cl. 123—8.)



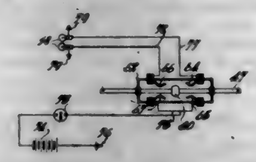
1. In a rotary engine of the crescent chamber type, in which two cylinders are connected together so that the action of the one is controlled by the other, the combination of a piston, radial projections at the ends of the piston, a rocking bearing in which the piston and piston projections slide, end plates, and slots in the end plates in which the said projections reciprocate and oscillate.

1,562,744. GOLF-TEE REEL. JOHNIE L. DILLOW, Big Stone Gap, Va. Filed July 8, 1925. Serial No. 42,227. 3 Claims. (Cl. 273—33.)



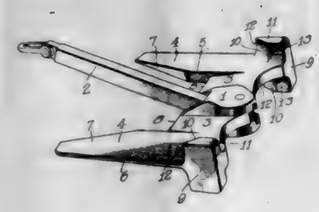
1. In a device of the class described, a tee, anchoring means therefor, a reel, and a flexible element wound upon said reel and connected at its outer free end with said tee.

1,562,745. DIRECTION INDICATOR FOR MOTOR VEHICLES. CHESTER M. DOWERS and MARION R. LOGAN, Cheyenne, Wyo. Filed May 15, 1924. Serial No. 713,590. 18 Claims. (Cl. 116—47.)



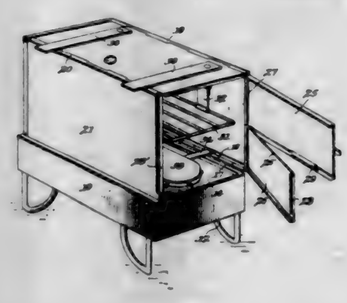
1. A device of the class described comprising, a housing adapted to be mounted at the side of a motor vehicle in position to be viewed before and behind and having slotways therein, direction indicating members mounted to be projected and retracted through the slotways, mechanism operable from the instrument board of the vehicle for projecting and retracting the indicating members each independently of the other, and spring held devices for closing the slotways when the indicating members are retracted.

1,562,746. STOCKLESS ANCHOR. ALBERT F. ELLIS, Rochester, N. Y., assignor of one-half to American Locomotive Company, New York, N. Y., a Corporation of New York. Filed Dec. 4, 1923, Serial No. 678,459. Renewed Sept. 28, 1925. 6 Claims. (Cl. 114—208.)



3. A stockless anchor having its flukes tapered toward their forward ends and also tapered from their inner edges outwardly and their outer faces formed with upwardly-extended portions disposed lengthwise of the flukes.

1,562,747. FOLDING CAMP-STOVE OVEN. RAY E. ELLIS, Wichita, Kans., assignor to The Coleman Lamp Company, Wichita, Kans., a Corporation of Kansas. Filed Aug. 23, 1924. Serial No. 733,755. 6 Claims. (Cl. 126—38.)



1. In a device of the class described, a burner carrying case and a collapsible oven structure hinged to said case, said structure including side walls, end walls, and a top wall all hingedly and permanently connected and adapted when the oven is collapsed to be folded over one another, an article supporting shelf permanently connected to one of said walls and adapted to be moved against said wall when the oven is collapsed, and means permanently connecting said shelf to the wall, said means serving to permit the shelf to be moved away from the wall and operable to limit said movement and wholly to support the shelf above the burner case.

1,562,748. LOOSE-LEAF BOOK. CHARLES L. ENGEL and WALTER S. ENGEL, Kansas City, Mo. Filed Feb. 4, 1924. Serial No. 690,447. 4 Claims. (Cl. 129—24.)

1. In a loose leaf book, a housing, a post holding member longitudinally movable in said housing to and from a position in which it is adapted to engage and

hold a leaf supporting post, and a temporary locking member pivoted to and in the housing and arranged to be engaged by said post holding member for releasably

holding the latter in the holding position and movable by said post holding member to the locking position with the latter, and adapted to be released by a key.

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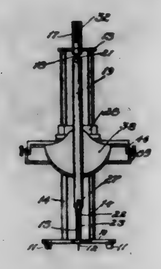
1,562,749. ELLIPSOGRAPH. DEE L. ERNST and HARRY H. ERNST, Evansville, Ind. Filed Oct. 27, 1924. Serial No. 746,165. 2 Claims. (Cl. 33—30.)



2. In an ellipsograph, a vertically movable carriage, a masterplate having a curved edge, means for oscillatably mounting the masterplate on the carriage, a stationary bracket above the masterplate having a socket, means for supporting the carriage and bracket, a marker having a ball seated in the socket and adapted to cooperate with the masterplate, and means for yieldingly maintaining the ball in the socket, as and for the purpose described.

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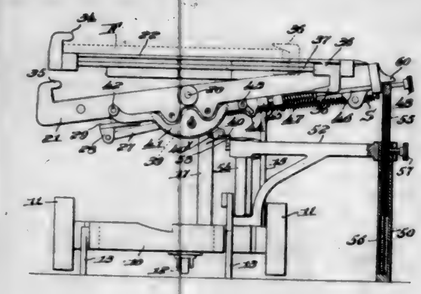
1,562,750. TRUCK. JOHN J. FLOYD, Malden, Mass. Filed May 22, 1924. Serial No. 715,239. 10 Claims. (Cl. 254—2.)

1. A truck of the class described comprising a frame; wheels on said frame; a second frame mounted on said first frame; a crank shaft adapted to function as pivotal means for said second frame; a work table mounted on said second frame and movable relatively thereto; means to lock said second frame from pivotal movement;



means coacting with said crank shaft whereby said table may be moved relatively to said second frame; and means to lock said table against said relative movement.

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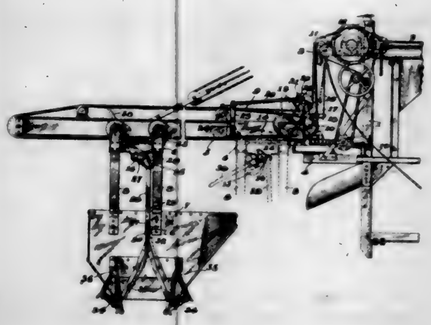
1,562,751. DISTRIBUTING BUCKET FOR CONCRETE PAVERS. CHARLES E. FOOTE, Nunda, N. Y., assignor to The Foote Company, Inc., Nunda, N. Y., a Corporation of New York. Filed Apr. 2, 1925. Serial No. 20,142. 10 Claims. (Cl. 214—59.)



1. A distributing bucket for concrete pavers comprising a trolley adapted to move to and fro on a boom, a bucket supported by said trolley and having pivotal bottom doors, a cross shaft on said trolley and a segment rigidly secured on said cross shaft, means extending from the pivotal doors to the outer ends of said cross shaft, said means, cross-shaft and segment forming a toggle arrangement for said doors, so that a movement of the segment will rock said shaft to thereby open and close the doors.

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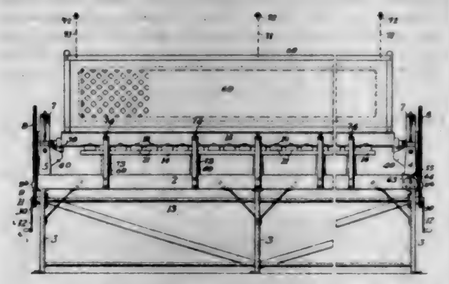
1,562,752. PRINTING-BLOCK GAUGE TABLE. DONALD F. FRASER, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a Corporation of Pennsylvania. Filed Apr. 4, 1925. Serial No. 20,747. 6 Claims. (Cl. 33—184.5.)

1. In means for truing and leveling the printing surfaces of printing blocks, a table having a gauging surface and having means engageable with the opposite ends of a printing block for supporting said block with its printing surface facing and in spaced relation to the surface of said table and substantially parallel therewith, one of said means being adjustable whereby to enable





one end of the printing surface of the block to be adjusted to the same distance from the surface of the table as the other end thereof, substantially as described.

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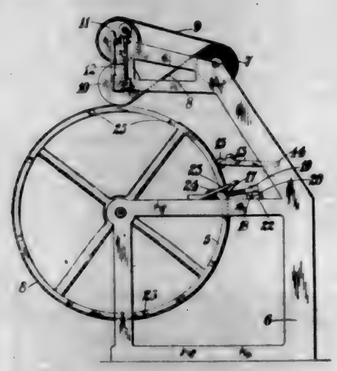
1,562,753. MANUFACTURE OF PNEUMATIC-TIRE COVERS OR CASINGS AND IN MACHINE THEREFOR. CLAUDE MARIE GAUTIER, London, England. Filed May 10, 1923. Serial No. 638,004. 6 Claims. (Cl. 154—10.)



1. In a machine for marking tire-casings, the combination with a rotatable cylindrical member, and means for winding thereon a strip of fabric into the form of an endless band, of means for marking on the fabric, while in position on the said member and during the winding operation, indices in the form of a circumferential line and a plurality of transverse lines for serving as indicating means to enable said endless band to be correctly located, after removal from said member, on a former, substantially as described.

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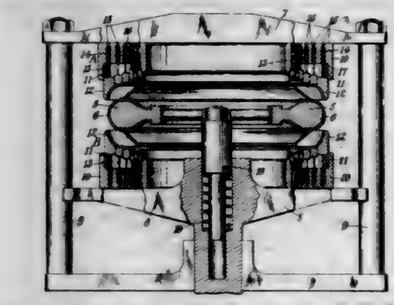
1,562,754. MACHINE FOR MAKING PNEUMATIC-TIRE COVERS OR CASINGS. CLAUDE MARIE GAUTIER, London, England. Filed May 10, 1923. Serial No. 638,005. 5 Claims. (Cl. 154—10.)

1. In a press of the character described for laying material for a pneumatic tire cover on a core, the combination with the core, of a press-element comprising a plurality of rings arranged concentrically one within another and coaxially with the throughway axis of the core, and having their operative faces, that are directed towards the material, shaped to conform to the required contour of the material on the core, which rings are resiliently mounted to move in the direction of said axis and are so arranged in relation to the core that they are adapted to come into contact with the material



thereon successively commencing with the outermost ring and finishing with the innermost ring when all the beads are in contact with the material on the core, substantially as described.

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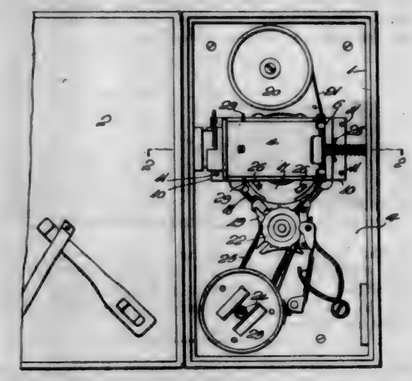
1,562,755. MOVING-PICTURE MACHINE. VICTOR A. GIANETTO, New York, N. Y. Filed Jan. 22, 1924. Serial No. 687,825. 5 Claims. (Cl. 88—19.3.)



1. A moving picture machine comprising a casing having an opening, a lens arranged adjacent said opening, a shutter for said lens, means for guiding a film past said lens, a sprocket wheel for moving said film, a star wheel on the same shaft with and directly connected to said sprocket wheel, a pin wheel adapted to be continuously driven coacting with said star wheel, said pin wheel being formed with a flat disk body and with a plurality of pressed out cars having laterally extending lugs for engaging said star wheel for moving the same, said pin wheel also having a plurality of cams struck out therefrom from one side, and means actuated by said cams for operating said shutter.

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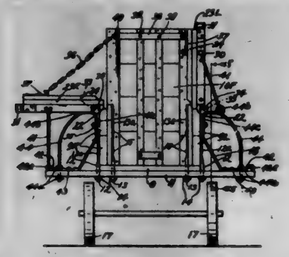
1,562,756. CONVERTIBLE VEHICLE BODY. HENREY GOSSE, Sr., Wabasha, Minn. Filed July 21, 1924. Serial No. 727,184. 3 Claims. (Cl. 296—10.)

1. In a vehicle body having transverse bottom bars projecting beyond its sides, the combination with unfoldable end walls, of side walls each of which comprises a lower permanently vertical section and an upper section hinged to the lower section so as to be foldable alternately into vertical and horizontal position, and means for holding said foldable sections in either of said positions; said holding means comprising at each side

of the vehicle bracing brackets secured to the lower side section and to the bottom bars projecting from under the same; said brackets having each an eye, and the foldable side sections having above each of said brackets a transverse cleat with a hole in it; a brace



rod having at each end an angularly bent portion, one of said portions having a head designed to retain it in the hole in the cleat, the other end serving as a hook adapted to engage alternately in the upper eye of the bracket when the top section is in vertical position and in the lower eye when said section is folded outward.

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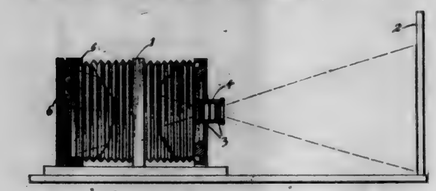
1,562,757. METHOD AND APPARATUS FOR PRODUCING HALFTONE DOT IMAGES. JOHN M. HAMMOND, Philadelphia, Pa. Filed Mar. 15, 1922. Serial No. 544,032. 4 Claims. (Cl. 95—5.7.)



1. The method of producing a half-tone dot image which comprises passing the light from the object to a sensitized medium through a graded density screen which is graded from the center outward and through a half-tone screen.

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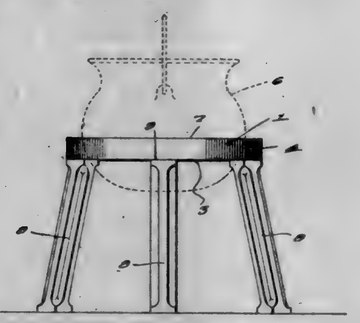
1,562,758. KETTLE STAND. CLAUD F. HANSON, Auburn, Ind. Filed Aug. 27, 1924. Serial No. 734,466. 1 Claim. (Cl. 248—41.)



A kettle stand of the class described including a ring member having parallel upper and lower surfaces, and the inside of said ring member having a frustoconical inner surface, the inside of said ring being formed at intervals with a plurality of dove-tailed recesses opening through said inner surface and extending from the upper and lower surfaces, and a plurality of legs having offset end portions of dove-tailed formations adapted for sliding cooperation with the recesses in said ring member and shoulders formed on the ends of the legs adjacent the offset end portions on which rests the under surface of the ring member, the inner surfaces of the end portions of the legs being flush with the inner surface of the ring when disposed in the recesses.

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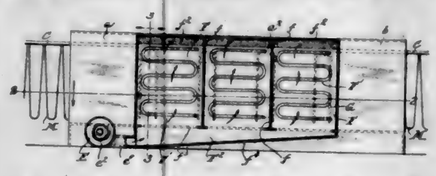
1,562,759. DRYING APPARATUS. GORDON DON HARRIS, Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn., a Corporation of Connecticut. Filed Oct. 23, 1920. Serial No. 419,052. 19 Claims. (Cl. 34—12.)



12. In a drier, a material chamber, means for moving therein a web of material suspended in festoons within said chamber, means for recirculating a drying atmosphere the intake of which recirculating means is below the suspended festoons and the outlet from which directs such atmosphere downwardly upon the suspended festoons, means for dividing the drying atmosphere so recirculated into a plurality of streams so as to return the atmosphere thus divided and recirculated into different regions of the material chamber, and means for heating the separate streams of the recirculated drying atmosphere.

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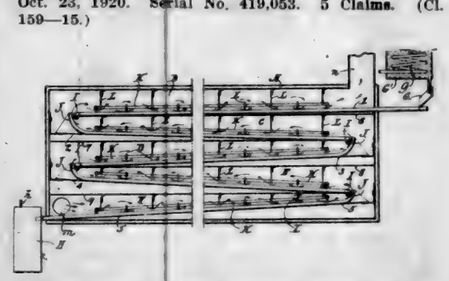
1,562,760. ART OF TREATING LIQUID MATERIALS. GORDON DON HARRIS, Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn., a Corporation of Connecticut. Filed Oct. 23, 1920. Serial No. 419,053. 5 Claims. (Cl. 159—15.)

1. In the art of treating liquid materials, the improvement which consists in concentrating the liquid material by flowing the same by gravity and in the form of a film into contact with a succession of inclined surfaces over which the gravity flow of the liquid material is tranquilized, and concurrently with the gravity flow of such film heating the liquid material and exposing the same to the action of a drying atmosphere.

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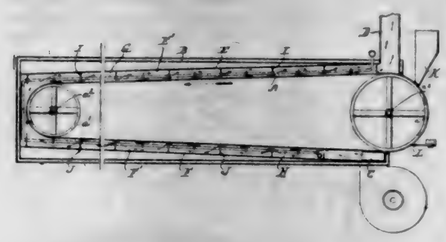
1,562,761. ART OF DRYING SEMILIQUID MATERIALS. GORDON DON HARRIS, Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn., a Corporation of Connecticut. Filed Oct. 23, 1920. Serial No. 419,054. 4 Claims. (Cl. 159—8.)

1. In an apparatus for treating liquid and semiliquid materials, a chamber, an endless carrier movable within said chamber, an end portion of said carrier being exposed to access exteriorly of said chamber, means for feeding to the exposed part of the carrier material in a film-like condition, baffles within the chamber and adjacent the carrier for producing a succession of flow channels, heating means positioned substantially centrally within the flow channels, transverse baffles also within the flow channels, said transverse baffles being staggered relatively to the carrier and the first named baffles, said two series of baffles being disposed alternately adjacent upper and lower boundaries of the flow channels, an outlet from the chamber at one end of the



flow channels, said outlet for the drying atmosphere being adjacent the point at which the material is fed to the exposed part of said carrier, means for feeding atmospheric air at normal temperature to the flow channel adjacent the point of egress of material from said chamber, whereby the inflowing cool air is conducted into contact with the heated product upon said carrier for reducing the temperature of said product, and means for circulating air within the flow channels in a direction contrary to the direction of movement of said material.

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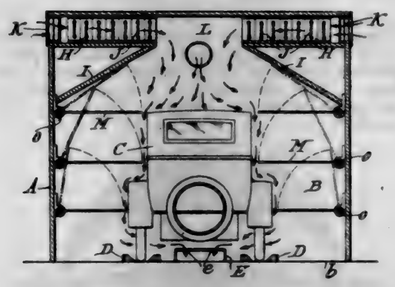
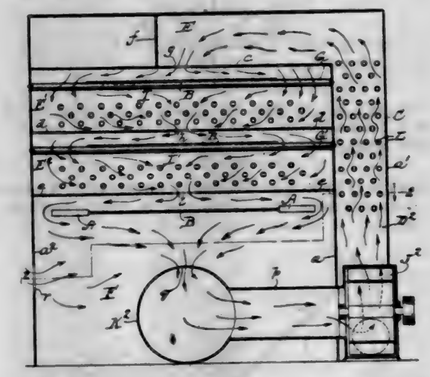
1,562,762. DRYING APPARATUS. GORDON DON HARRIS, Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn., a Corporation of Connecticut. Filed Mar. 31, 1921. Serial No. 457,250. 15 Claims. (Cl. 34—19.)



1. In an apparatus such as described, a chamber provided at the floor thereof with means for locating an object, recirculating means for effecting the positive recirculation of an oxidizing or drying atmosphere, including an eduction flue positioned adjacent the object locating means and a return flue positioned for feeding said recirculated atmosphere downwardly upon said object, and means separate from the recirculating means for feeding atmospheric air directly to said chamber, the inflow of such fresh atmospheric air to the chamber being independent of the circulation within the chamber of the oxidizing or drying atmosphere by said recirculating means.



1,562,763. DRYING APPARATUS. GORDON DON HARRIS, Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn., a Corporation of Connecticut. Filed Aug. 8, 1922. Serial No. 580,416. 18 Claims. (Cl. 34—48.)



1. In an apparatus of the class described, a housing provided with means for channeling the flow of a drying atmosphere, means for moving material within a succession of flow channels, and means for feeding a drying atmosphere downardly upon the moving material, substantially centrally thereof, the drying atmosphere flowing crosswise of the direction of movement of said material and into contact therewith.

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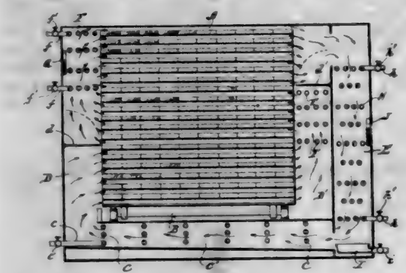
1,562,764. ART OF DRYING. GORDON DON HARRIS, Freeport, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn., a Corporation of Connecticut. Filed Oct. 20, 1922. Serial No. 595,747. 6 Claims. (Cl. 34—24.)



6. In the art of drying, the process which consists in initially heating and subsequently cooling the atmosphere to set up a flow of such atmosphere into contact with material, condensing the aqueous content of such atmosphere to a definite dewpoint for controlling the humidity of such atmosphere in proportion to the surface moisture of the material and to its diffusion within such material, and heating such atmosphere to a constant temperature in the periods between its initial heating and the subsequent cooling thereof.

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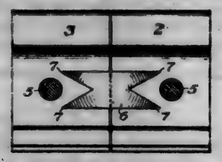
1,562,765. RAIL BOND. WILLIAM F. HART, Pittsburgh, Pa., assignor to Verona Tool Works, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 22, 1922. Serial No. 589,790. 2 Claims. (Cl. 173—279.)

1. A rail bond formed of spring sheet material, having curved triangularly shaped rail engaging points extend-

ing longitudinally therefrom and in opposite directions, said points being so shaped and positioned that the portions cut away to form the points on the bond blanks, when blanking from a sheet, will form the points of other bond blanks.



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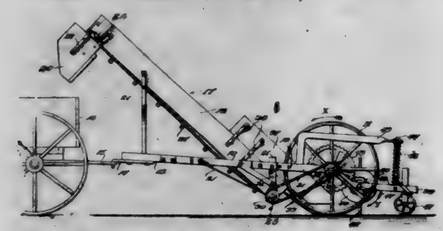
1,562,766. STONE-GATHERING MACHINE. WILLIAM HENNIG, Athens, Wis. Filed July 10, 1924. Serial No. 725,164. 7 Claims. (Cl. 55—17.)



1. In a machine of the class described, a wheeled frame, a carrier mounted to oscillate on the frame, a stone-picking member mounted to revolve in the carrier, positive gearing connection between the frame wheels and the stone-picking member, an elevator carried by the frame in position to receive stones thrown by said member, and a tray interposed between the member and the elevator and pivotally mounted on the elevator.

5. In a machine of the class described, a wheeled frame, a carrier mounted to oscillate on the frame, a stone-picking member mounted to revolve in the carrier, positive gearing connection between the frame wheels and the stone-picking member, an elevator carried by the frame in position to receive stones thrown by said member, the elevator including a trough having open top and ends, sprocket wheels at each end of the trough, chains running over the sprocket wheels, spaced slats connecting the chains, and driving connection between the sprockets and the traction wheels of the machine.

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1,562,767. STORMPROOF COAT. DAVID HESS, Snake River, Wash. Filed Jan. 13, 1925. Serial No. 2,170. 1 Claim. (Cl. 2—87.)

A garment made up of a fabric, the fabric including a cloth backing, a series of strips stitched to the backing and extending circumferentially around the body of the garment, said strips having straight upper longitudinal edges and scalloped lower longitudinal edges, the lines of stitching being located adjacent the upper straight edges of the strips, the lines of stitching being spaced from each other whereby the strips overlap each other, the lines of stitching and the scalloped edges extending circumferentially around the body of the garment, an inner strip having its line of stitching lying under the intermediate portion of the next adjacent strip and between the inner points of the scalloped edge and the longitudinal straight edge thereof, and the line of stitching of the said inner strip lying under the free edge portion of an outer strip and disposed approximately parallel with the longitudinal edge thereof and intersecting the curved line of the scalloped edge portion of the said outer strip.

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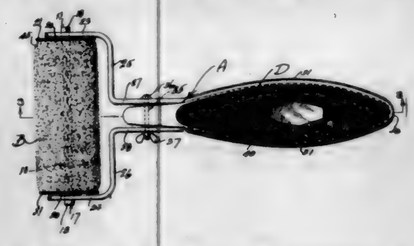
1,562,768. CLOTH-SURFACING DEVICE. ELMER HIATT, Milford, Conn. Filed Nov. 10, 1924. Serial No. 749,020. 14 Claims. (Cl. 26—31.)



1. In a cloth surfacing device the combination of a brush head including a shaft, a frame including yieldable brush head supporting arms provided with openings at their outer ends, a hub member for each end of the brush shaft providing a socket open at one end and closed by an end wall at the opposite end, and against which closed end wall the end of the shaft of the brush head abuts to limit the inward movement of the hub members on said shaft, said hub members being adapted to bear in the openings of said arms of the frame and including means to hold them in place against displacement.

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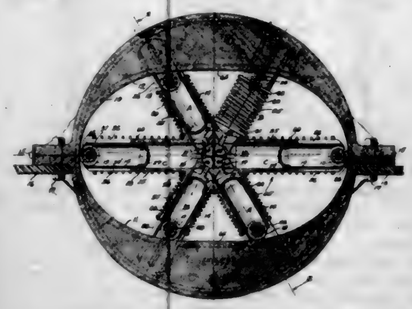
1,562,769. REVERSIBLE ROTARY MOTOR (STEAM). LLOYD B. HUBBARD, Wichita Falls, Tex., assignor to Hubbard Reversible Rotary Motor Corporation, New York, N. Y., a Corporation of Delaware. Filed July 16, 1923. Serial No. 651,754. 7 Claims. (Cl. 121—61.)



1. A motor comprising a rotor having a plurality of radially disposed cylinders, reciprocating pistons in said cylinders, rollers carried by said pistons, a stator having a track reacting with said rollers to rotate the rotor as the pistons are reciprocated, said rotor being provided with a central, transverse, tapered bearing opening and fluid passages leading from said opening to the cylinders, a stationary tapered tubular valve member in said opening having lateral inlet and exhaust openings adapted to register with said fluid passages, a piston secured to the inner end of said valve member, and means whereby fluid pressure from the supply passage may be communicated to the piston to retain the valve member in said opening.



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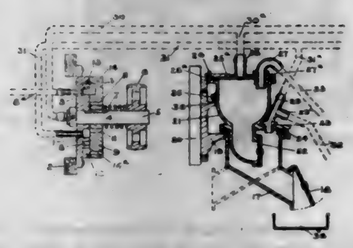
1,562,770. MILKING MACHINE. HERBERT DRUMMOND JAMIESON, Kerepehi, New Zealand. Filed May 23, 1923. Serial No. 640,989. 6 Claims. (Cl. 31—82.)



1. In a milking machine, a milk releaser including upper and lower chambers, a connection to establish communication between the upper chamber and a pulsator whereby to produce an intermittent vacuum in said chamber, a milk pipe connection from the teat cups to said upper chamber, means to establish communication between the lower chamber and an alternate vacuum and at mospheric connection of a pulsator and the annular spaces of the teat cups, so that air is exhausted from the upper chamber of the releaser and from the milk spaces of the teat cups continuously but by alternate routes whereby when vacuum is by the lower chamber, the froth as well as the milk itself is brought down into the lower chamber substantially as described and illustrated.

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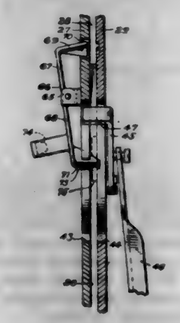
1,562,771. COIN-CONTROL APPARATUS. ODE D. JENNINGS, Palatine, Ill. Filed Dec. 1, 1924. Serial No. 753,218. 4 Claims. (Cl. 194—1.)



3. Means for controlling the operation of coin released apparatus comprising a coin chute composed of a front and a rear plate, said front plate provided with a groove and said rear plate provided with a slot; means to arrest a coin inserted in said chute; means to release the arrested coin; a coin return chute; and means provided with an inclined surface coacting with said slot and said groove and controlled by an arrested coin, said surface adapted to stop a subsequently inserted coin in said chute and to positively direct the same into said coin return chute.

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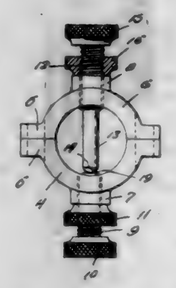
1,562,772. FILING GAUGE FOR CONNECTING-ROD-BEARING CAPS. CONRAD JOHNSON, Portland, Oreg. Filed Jan. 21, 1925. Serial No. 3,814. 4 Claims. (Cl. 33—180.)



1. A gauge for connecting rod bearing caps comprising a pair of complementary semi-circular sections, said sections having surfaces adapted to contact with one another when the sections are disposed in a predetermined relation relatively to each other, and opposed gauge members threaded through said sections, the opposite ends of said gauge members adapted for engagement when said sections are disposed in said predetermined relation.

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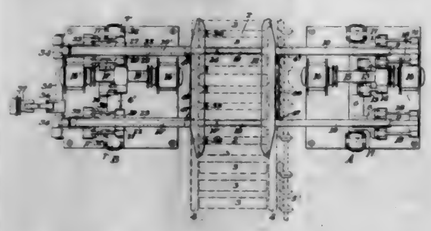
1,562,773. MANIPULATOR. LANE JOHNSON, Ingram, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 19, 1923. Serial No. 633,138. 20 Claims. (Cl. 80—48.)



1. In a manipulator, a roll table having side girders, a guide between said girders having a horizontal supporting face below the plane of delivery of the roll table and extending a substantial part only of the distance between said girders, and manipulating means slidable on said guide, substantially as described.

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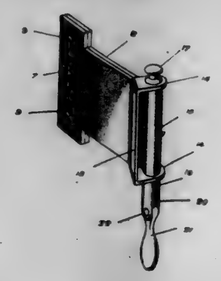
1,562,774. HINGE. WALLER LOUIS KAUFMANN, Santa Ana, Calif. Filed May 17, 1924. Serial No. 714,002. 2 Claims. (Cl. 16—135.)

1. A hinge comprising a pair of leaves having attaching portions, one leaf having a portion at the extremity opposite to the attaching portion extending at

an obtuse angle to one side from the plane of said leaf and provided with angularly extending ears projecting toward the opposite side and intersecting said plane, a pin extending through said ears, the other leaf having a sleeve at the extremity thereof opposite to the attaching portion, said sleeve embracing said pin with its ends abutting said ears, the first named leaf being



flat between the second named portion thereof and the attaching portion, the second named leaf being flat from said sleeve to the attaching portion, said leaves being adapted to bear flatly together, the axis of said pin and sleeve lying in the plane of the second named leaf, and means on said pin for springing the ears toward one another to clamp the sleeve between them.

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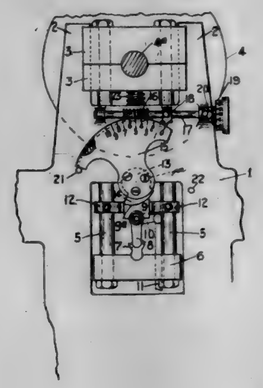
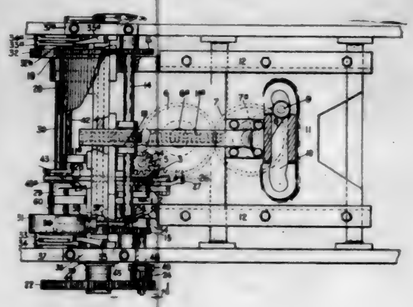
1,562,775. BED AND CYLINDER PRINTING PRESS. FRANCIS T. LEILICH, San Francisco, Calif. Filed Dec. 13, 1923. Serial No. 680,373. 7 Claims. (Cl. 101—250.)



1. In a printing press in which an impression cylinder is reciprocated by suitable mechanism, the combination of manually operated means for adjusting the position of the cylinder independently of the reciprocating mechanism, which includes an adjusting member provided with a curved surface and an adjustment block interposed between said mechanism and the latter element, and means for indicating the extent of the adjustment.

1,562,776. BED AND CYLINDER PRINTING PRESS. FRANCIS T. LEILICH, San Francisco, Calif. Filed Dec. 19, 1923. Serial No. 681,616. 27 Claims. (Cl. 101—283.)



1. A type bed, and means for reciprocating it, which include a horizontally rotated crank and a slidable member provided with a path of varying contour with which the crank is always engaged and by which said member is moved to and fro.

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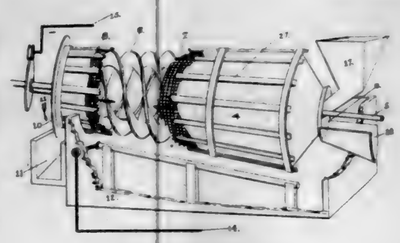
1,562,777. DEVICE FOR RECOVERING PRECIOUS METALS. CHARLES CORLISS MCBRIDE, Sanger, Calif. Filed July 3, 1923. Serial No. 649,262. 13 Claims. (Cl. 83—65.)



1. In a device for the recovery of precious metals, the combination of a rotatable porous cylinder lined with an amalgamated screen, said cylinder having intake and discharge openings at opposite ends, a spiral ribbon within the cylinder and adapted with the rotary movement of the cylinder to carry loose particles therein from the intake to the discharge opening, the cylinder being positioned so the axis is lower at the intake opening end, and means for submerging portions of the cylinder in an electrolyte solution.

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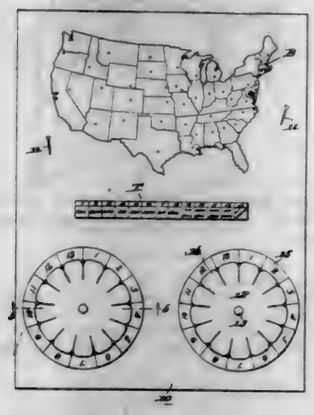
1,562,778. EDUCATIONAL GAME. TERRENCE F. MCGOWAN, Boston, Mass. Filed Apr. 11, 1925. Serial No. 22,444. 7 Claims. (Cl. 273—134.)

1. A game having an educational subject as a basis of play, and means, to be chosen at random and operated by the first player, whereby said player receives instruction as to his first move, and means exposed by



the said first means when operated whereby the next player receives instructions as to his first move; and means to mark each move of a player.

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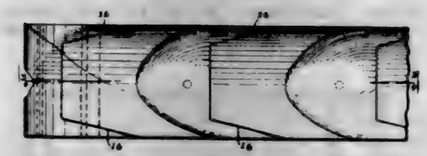
1,562,779. VEHICLE SPRING. MICHAEL M. MCINTYRE, Cleveland, Ohio, assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 28, 1922. Serial No. 584,604. 3 Claims. (Cl. 267—50.)



3. In leaf spring construction, a plurality of superposed leaves with their ends in relatively stepped arrangement, the opposed surfaces of the leaves being concave, and the end portions of certain leaves being deformed to fit the concave surface of the adjoining leaf, and there being openings through the leaves inwardly of said deformed portions for supplying lubricant from one of the spaces between the leaves to another.

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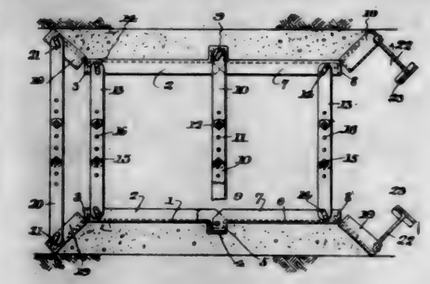
1,562,780. CONCRETE FORM. MARIUS MICKELSON, Thatcher, Ariz. Filed Aug. 12, 1925. Serial No. 49,786. 5 Claims. (Cl. 25—118.)

2. A form of the class described including opposed pairs of wall members, said members having interfitting end portions offset laterally, adjustable connecting strips mounted on the opposed pairs of members,



rods extending through said strips and through the members for holding said members to the ground and for connecting the interfitting portions.

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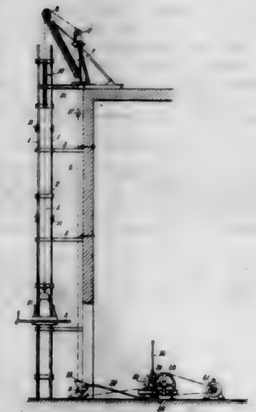
1,562,781. BUILDER'S HOISTING DEVICE. FRITZ MOSER, Zollikon, near Zurich, Switzerland, assignor to Walter Schindler, Berne, Switzerland. Filed Mar. 26, 1923. Serial No. 627,770. 2 Claims. (Cl. 214—95.)



1. A builder's hoisting device comprising in combination, rigid guide means secured to a building being erected, a hoisting cage arranged to travel on said guide means and a slewable jib-crane above said guide means arranged to the side of said means, two rope-pulleys on said crane maintained in their relation to one another, and a single rope guided by said pulleys under all conditions of operation, said rope arranged to operate said cage when connected thereto and also operating as a hoist when the crane and its pulleys are swung from said guide means without changing the angularity of the crane jib.

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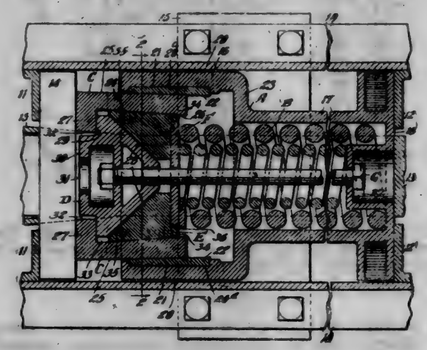
1,562,782. HEAT-RESISTING STEEL. EDWARD HENRY NOACK, Stockton, Calif. Filed June 14, 1924. Serial No. 720,122. 1 Claim. (Cl. 75—1.)

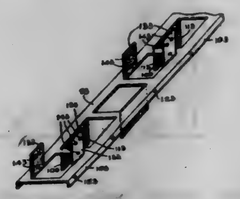
A steel containing silicon between 1.50% and approximately 2.00%; copper between 0.50% and approximately 1.00%; manganese not over 0.12%; and carbon not over 0.10%.

1,562,783. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Aug. 7, 1922, Serial No. 580,009. Renewed Oct. 15, 1925. 8 Claims. (Cl. 213—34.)



1. In a friction shock absorbing mechanism, the combination with a friction shell having opposed friction surfaces; of a spring resistance; a friction unit movable within the shell and including, friction shoes cooperable with said friction surfaces, a main wedge and coacting wedge blocks, said shoes and main wedge having shouldered engagement; and means for applying the actuating force directly to the shoes and, in effect, directly to said main wedge through the shoes.

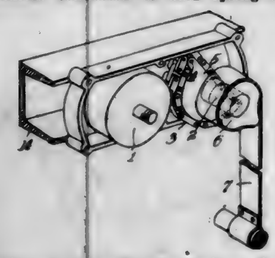
1,562,784. ANCHOR STRIP FOR SECURING FINISHING STRUCTURES TO CONCRETE. RUDOLPH K. OLSEN, Omaha, Nebr. Filed Mar. 23, 1922. Serial No. 546,091. 2 Claims. (Cl. 72—101.)



1. Anchoring means for securing finishing structures to concrete supports, comprising a relatively long strip of sheet metal, the body-portion of said strip disposed at the surface of the concrete, continuous flanges integral with the longitudinal edges of the strip and extending into the concrete, and a series of longitudinally spaced perforate tongues slit from the body-portion of the strip intermediate said continuous longitudinal flanges, said tongues normally lying in the plane of the body-portion and being bendable to extend outwardly therefrom whereby to project from the surface of the concrete at uniformly spaced and alined positions.

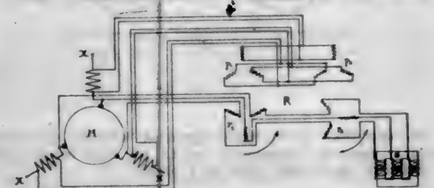
1,562,785. SHOCK ABSORBER. KNIGHT K. PARKER, Chicago, Ill. Filed Aug. 30, 1923. Serial No. 660,259. 10 Claims. (Cl. 267—10.)

1. A shock absorber comprising a housing, a coiled spring therein, a shaft rotatively mounted in said housing and projecting therefrom, an arm in said housing secured on said shaft intermediate its ends, a flexible member connected to said spring and to one



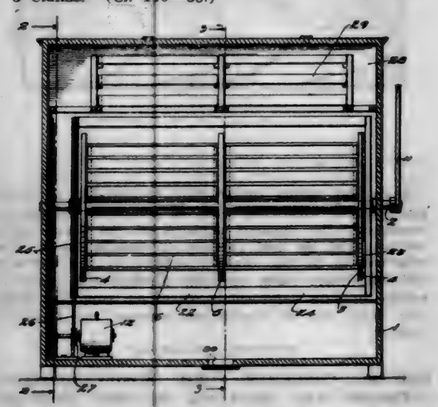
end of said arm, a crank arm fixed on the outer end of said shaft, and a flexible member connected to said crank arm.

1,562,786. REGULATION OF POLYPHASE COMMUTATING MOTORS. JOSEPH PERRET, Paris, France, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France. Filed Mar. 20, 1922. Serial No. 545,267. 4 Claims. (Cl. 172—276.)



1. A controlling system for polyphase commutator motors comprising in combination a polyphase commutator motor having stator and rotor windings connected in series, an induction regulator having double primary and secondary windings, electrical connecting means between said stator and said primary windings, electrical connecting means between said secondary winding and said rotor winding and means to vary the phase displacement of the voltages of said motor and said regulator.

1,562,787. INCUBATOR. IRA M. PETERSIME, Gettysburg, Ohio. Filed May 22, 1923. Serial No. 640,736. 6 Claims. (Cl. 119—33.)



3. An incubator comprising a cabinet, a shaft mounted in the cabinet, a drum mounted upon said shaft, a pair of members pivotally mounted on said shaft one

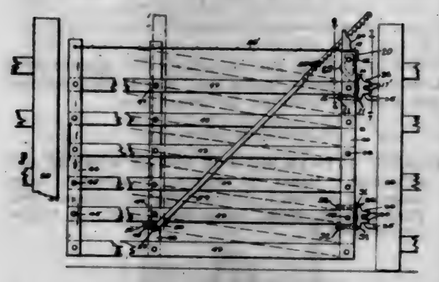


at each end of said drum, a series of blades having their ends attached to said pivotally mounted members so that said members and blades will rotate together to form an agitator, and means engaging one of said pivotally mounted members to rotate the entire agitator.

1,562,788. OILER FOR TRANSMISSION BANDS. WALTER A. RARIG, Oakland, Calif. Filed Apr. 24, 1923. Serial No. 634,328. 3 Claims. (Cl. 184—11.)

1. An oiler adapted to be positioned in the transmission housing and bolted to one side only of an opening therein into adjacent the flywheel of an engine comprising a plate bent upon itself to form a tapered conveyor, the front wall of the bent portion being cut away to a greater extent than the back wall whereby the back wall acts as a positive oil catch, said conveyor terminating in an end opening adapted to drip oil on the clutch collar and having spaced openings in the bottom to drip oil on the transmission bands.

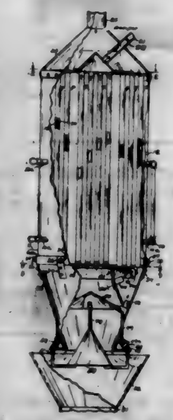
1,562,789. GATE. MILFORD RUDOLF, Bloomfield, Ind. Filed Nov. 20, 1924. Serial No. 751,188. 5 Claims. (Cl. 39—80.)



4. A gate including a header, including an upper integral mounting, said mounting embodying an upper head having flat sides and a substantially U-shaped socket formed upon the lower end thereof, said head and socket having laterally projecting flanges, said socket having a hinge element integral therewith, an inverted U-shaped yoke formed integral with the top of the head and provided below its upper end with a transverse pin, a lower mounting having a hinge element, a pair of transverse slats arranged upon the opposite sides of the mountings and engaging between the flanges of the upper mounting, co-acting hinge elements engaging the first named hinge elements, bolts passing through the transverse slats and serving to bind them to said mountings, longitudinal slats extending between the transverse slats and pivoted upon said bolts, a transverse slat pivotally connecting the longitudinal slats at a point remote from the transverse slats, and a diagonal brace connected with one of the longitudinal slats and having a longitudinal set of teeth to engage with the transverse pin of the yoke.

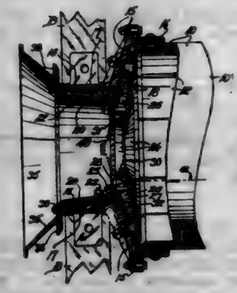
5. In a gate of the character described, as a subcombination, an upper integral mounting comprising a head having flat faces, a socket carried by the lower end of the head, said socket carrying a hinge element, means whereby a pair of transverse slats may be securely held upon the mounting, and an anchor element carried by the head for engagement with a diagonal brace.

1,562,790. GRAIN-HEATING DEVICE. GEORGE A. ROCKBURG, Milwaukee, Wis., assignor of one-third to John C. Kleist, Milwaukee, Wis., and one-third to Peter Provost, Milwaukee, Wis. Filed May 12, 1924. Serial No. 712,746. 10 Claims. (Cl. 34—34.)



1. In a device of the character described, the combination with a heating drum having passages for grain extending symmetrically therethrough, of a steam pipe provided with branches entering said drum at symmetrically spaced points, whereby to equalize steam flow and temperatures to which grain in said passages is subject.

1,562,791. DISCHARGE HEAD FOR GRINDING MILLS. JOSEPH P. RUTH, Jr., Denver, Colo. Filed Apr. 10, 1923. Serial No. 631,114. 7 Claims. (Cl. 83—9.)

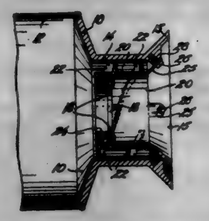


1. In a grinding mill, a head having a journal, a liner for said journal and a baffle plate secured on the inner end of the liner, the liner and plate being removable together from said journal at its outer end.

1,562,792. DISCHARGE FOR GRINDING MILLS. JOSEPH P. RUTH, Jr., Denver, Colo. Filed June 12, 1923. Serial No. 644,892. 3 Claims. (Cl. 83—9.)

1. In combination, a head for grinding mills having a discharge throat provided with an inner wall and a

closure mounted in said throat, said closure comprising a transverse wall, a sleeve at the periphery of said wall spaced from the inner wall of the throat and having an outer wall, and a spiral feed screw carried by the outer wall of the sleeve and engaging the inner wall of the throat.



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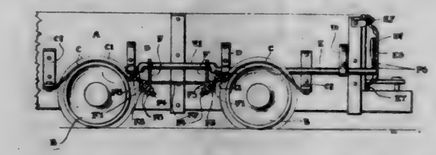
1,562,793. RAILWAY-CAR BRAKE. HUGH W. SANFORD, Knoxville, Tenn. Filed Apr. 15, 1921. Serial No. 461,562. 31 Claims. (Cl. 188—57.)



1. The combination with the car body and a wheel at one side of the car, of a horizontal rock shaft arranged parallel to and supported at one side of the car body and having a crank, brake means jointed to said crank and adapted to be pressed downward into engagement with said wheel when said rock shaft is turned to move said crank downward, and rigid means extending approximately horizontally across the end of the car and normally acting on said shaft to turn said shaft to lift said crank and said brake means and said turning means being adapted to be moved manually to turn said shaft in the opposite direction, substantially as described.

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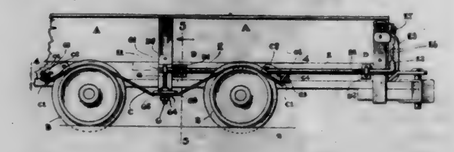
1,562,794. RAILWAY-CAR BRAKE. HUGH W. SANFORD, Knoxville, Tenn. Filed July 18, 1921. Serial No. 485,541. 3 Claims. (Cl. 188—57.)



1. The combination with the car body and a wheel at one side of the car, of a horizontal rock shaft arranged parallel to and supported at one side of the car body and having a crank, a transverse bracket on the car body, a bolt, a brake strap attached to the outer face of said bracket by said bolt and placed in operative relation with said crank to adapt said strap to be pressed into engagement with said wheel when said rock shaft is turned to move said crank downward, an arm on said shaft at the side of the latter opposite the crank, whereby the weight of said arm will lift said crank and the brake means when said arm is free, and means for engaging and holding said arm when said shaft has been turned to make said engagement, substantially as described.

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1,562,795. COMBINED SPRAG AND BRAKE FOR POWER-DRIVEN VEHICLES. HARRY SAUVEUR, Berlin-Lankwitz, Germany, assignor to Handel-Maatschappij H. Albert de Bary & Co., Amsterdam, Netherlands. Filed Feb. 14, 1924. Serial No. 692,810. 4 Claims. (Cl. 188—6.)

1. In a road vehicle of the class described, the combination of a pivoted sprag having a point to engage the road surface, a two-armed spur pivoted on said sprag, said spur being adapted to act as a brake and to lift said sprag, a cylinder connected with a source of compressed air, and a piston movable in said cylinder, said piston being operatively connected with said sprag.

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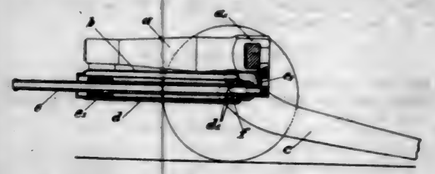
1,562,796. SHELL-FIRING GUN WITH TWO BARRELS. HERMANN SCHULER, Dusseldorf, Germany, assignor to Rheinische Metall-Waaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany, a Corporation of Germany. Filed Nov. 25, 1924. Serial No. 752,206. 28 Claims. (Cl. 89—43.)



1. A shell firing gun comprising two interconnected barrels of different calibre, one barrel being provided with a buffing device for the other barrel.

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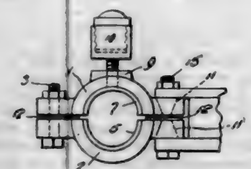
1,562,797. PITMAN BOX FOR USE ON MOWERS AND BINDERS. HARRY W. SHULL, Broadwater, Nebr., assignor of one-half to James P. Murphy, Alliance, Nebr. Filed Feb. 16, 1923. Serial No. 619,482. 2 Claims. (Cl. 308—36.)



1. A pitman box for mowers, binders and the like wherein the pitman is formed of an arm adapted for axial and rocking movement, operated from a rotating crank having a crank pin, comprising separable bearing sections formed with substantially semi-cylindrical crank pin receiving portions, and laterally extending flanges from the ends of the semi-cylindrical portions, semi-cylindrical bushings removably fitted in the corresponding portions of said bearing sections for providing a bearing on the crank pin, means for holding the bushings against movement in the bearing sections, removable shims between the flanges of the sections, and means cooperating with the flanges of each section for securing the sections in bearing forming relation, said shims permitting the adjustment to take up wear, and straps secured to the flanges at one end of each section by the securing means therefor, and to the sides of the pitman for mounting the bearing on the end of the pitman, the bearing sections being adjustable transversely with relation to the axis of said pitman.



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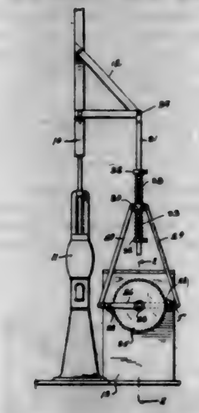
1,562,798. MECHANICAL MOVEMENT. ALBERT J. SKALKA, Fairfield, Nebr. Filed Mar. 29, 1924. Serial No. 702,857. 3 Claims. (Cl. 74—54.)



1. Means for converting the reciprocation of an element reciprocating at varying speeds to a substantially uniform motion including a pair of shafts, a yieldable connection between said shafts for transmitting rotary motion from one of the shafts to the other thereof, said connection storing energy for transmission from one shaft to another thereof, and a connection between the reciprocating element and one of said shafts for applying step by step rotary motion to the shaft including a part yielding in proportion to the load.

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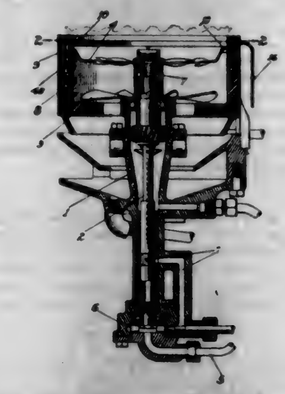
1,562,799. ELECTRICAL IGNITION MEANS FOR OIL BURNERS. IRA EDWARD SMITH, Stockton, Calif. Filed Jan. 14, 1925. Serial No. 2,396. 8 Claims. (Cl. 158—77.)



7. An electric ignition means for an oil burner, which includes a rotary burner plate onto which the oil is fed, and a casing surrounding the plate in spaced relation thereto, comprising a conducting ring mounted in connection with the casing, concentric with and spaced from the member, and located in a transverse plane with the rim of the latter, the casing being made of insulation material, circumferentially spaced projections on the plate extending evenly toward the ring, but spaced therefrom, and an electric circuit; said circuit having a step-up transformer interposed therein, one lead from the transformer being connected to the ring, and the other lead therefrom being grounded, and the member being also grounded.

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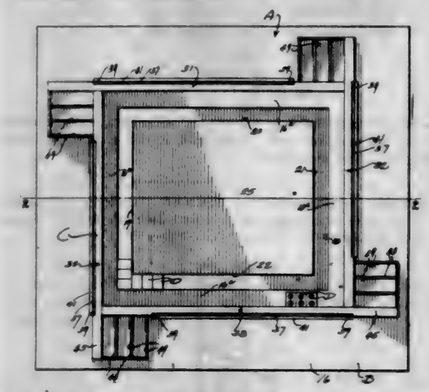
1,562,800. GAME BOARD OR TABLE. JOE F. SMITH, Dallas, Tex. Filed Apr. 18, 1924. Serial No. 707,441. 4 Claims. (Cl. 273—13.)



1. In a device to facilitate the playing of tile games the combination of a playing board having a groove formed inwardly of the plane of the playing surface thereof suitable for receiving the tiles in conventional manner for building of the wall, and racks rigidly supported by the board in adjacent relation with the grooves.

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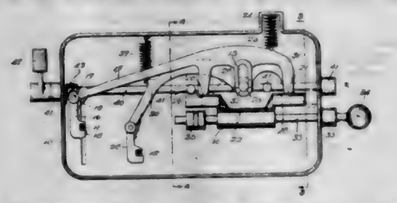
1,562,801. AUTOMOBILE CONTROL. WALTER J. SPIRO, White Plains, N. Y. Filed Aug. 12, 1924. Serial No. 731,574. 25 Claims. (Cl. 74—58.)



1. In an automobile control, the combination of a speed change lever, a shift lever connected thereto, means for applying a stored energy for automatically actuating the shift lever in opposite directions, and a selector disposed to control the movement of said shift lever.

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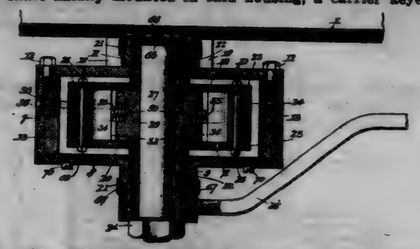
1,562,802. FRICTION-CONTROLLED PAWL-AND-RATCHET-OPERATED SHOCK ABSORBER FOR AUTOMOBILES AND LIKE VEHICLES. FRANK N. SPRAGUE, Holyoke, Colo. Filed Apr. 15, 1924. Serial No. 706,728. 4 Claims. (Cl. 267—9.)

1. The combination with the side bar and side spring of an automobile, of a housing on said side bar, disks rotatably mounted in said housing, and a ring rigidly clamped between said disks having internal ratchet teeth, a brake band secured to the housing and extending around said ring, the ends of said band terminating in apertured ears, a screw extending loosely through said ears having an elongated head which is mounted in an aperture in the circular wall of said housing, a fixed nut on the end of said screw, a coil spring on said screw interposed between the nut and the adjacent ear, a coil spring on the screw interposed between the other ear and the head of

said screw, whereby said screw when turned causes said brake band to grip said ring with a resilient pressure, a shaft axially mounted in said housing, a carrier keyed



to said shaft having pawls for engaging said ratchet teeth, an arm on said shaft, and a rod connecting said arm and said side spring.

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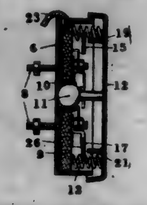
1,562,803. AUTOMOBILE SIGNAL DEVICE. WILLIAM I. STONE, St. Louis, Mo. Filed Dec. 2, 1921. Serial No. 519,370. 3 Claims. (Cl. 200—59.)



1. In a device of the class described, the combination with a base, of means securing said base to a brake lever, an insulating block within said base, contacts carried by said insulating block, a foot plate supported by a universal joint, said foot plate being provided with a flange overlapping said base, contacts carried by said foot plate and cooperating with said first named contacts, and electric circuits controlled by said contacts.

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1,562,804. GRAIN-CAR DOOR. GEORGE W. STRONG and GEORGE UHLIN, Rosedale, Kans. Filed July 7, 1925. Serial No. 42,030. 4 Claims. (Cl. 20—34.)

1. The combination of door jambs having ways on their opposed sides and recesses in their inner sides adjacent the upper ends of the ways, a door, shoes secured on the outer side of the door to ride on the jambs and provided at their upper ends with trunnions engaging in said ways and with tongues adapted to engage in said recesses, and means for raising and lowering the door.

1,562,805. PROCESS FOR SEPARATING POTASSIUM AND SODIUM HYDROXIDES. THEODOR SUTTER, Monthey, Switzerland, assignor to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Filed May 8, 1925. Serial No. 28,951. 2 Claims. (Cl. 23—154.)

1. The herein described process for the separation of mixtures of potassium hydroxide and sodium hydroxide, according to which, in order to separate potassium hydroxide, the mixture is concentrated until crystallization occurs in part at relatively high temperature, whereupon the potassium hydroxide crystals formed are eliminated from the mother liquor also at raised temperature, and, in order to separate sodium hydroxide, the mixture is diluted in such a manner that partial crystallization occurs only at relatively low temperature, whereupon the sodium hydroxide crystals formed are eliminated from the mother liquor also at low temperature.

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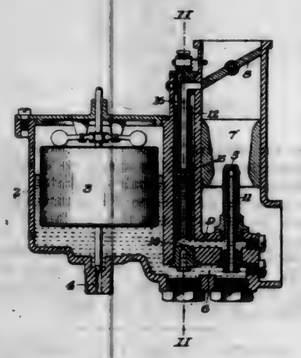
1,562,806. CARBURETOR. RICHARD H. TAYLOR, New York, N. Y., assignor to Societe du Carburateur Zenith, Lyon, France, a Corporation of France. Filed Nov. 29, 1919. Serial No. 341,519. 2 Claims. (Cl. 261—41.)



1. In a carburetor, a carbureting passage, a throttle therefor, a secondary priming fuel feed for said passage communicating therewith and effective with the throttle in substantially closed position, a slow speed feed communicating with said passage and effective upon initial opening of the throttle, and a fuel supply for said secondary feed adapted to be drawn upon by said slow speed when the throttle is opened to cut off the fuel supply to the secondary feed when the engine supplied by the carburetor begins operating on its own power and while it is operating on the mixture from the slow speed feed, substantially as described.

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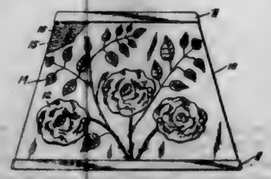
1,562,807. LAMP SHADE. FERDINAND THIEL, New York, N. Y. Filed Mar. 19, 1925. Serial No. 16,686. 1 Claim. (Cl. 41—21.)



The method of ornamenting a lamp-shade which consists in, first, fixing solid objects to the surface to be ornamented, second, drawing a design on the surface complementing the design obtained by fixing said solid objects thereto, third, applying coloring material to the entire surface to be ornamented, and fourth, applying a coating of transparent beads to the entire surface to be ornamented.



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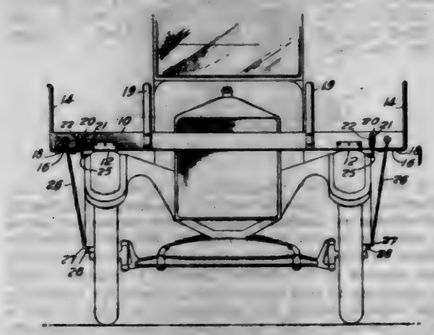
1,562,808. LUMBER CARRIER. JOHN A. THOMPSON, Jr., Taylor, Tex. Filed Jan. 3, 1925. Serial No. 320. 4 Claims. (Cl. 224—29.)



1. A carrier attachment for automobiles, comprising a front and rear beam, cushioned means adapted to rest upon the fenders of the automobile, slidably mounted hooked members for engaging the under side of the fenders and upwardly extending arms carried by said front and rear beams for retaining the material to be carried thereby.

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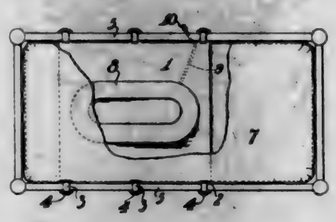
1,562,809. DRAW SHEET. WILLIS B. THOMPSON, Seattle, Wash. Filed Sept. 3, 1921, Serial No. 498,378. Renewed Feb. 26, 1924. 3 Claims. (Cl. 5—91.)



1. As a new article of manufacture for the purpose described, a draw sheet having incorporated therein, inward of its edges, an inflatable body supporting member, comprising two spaced elongated parts lying in substantial parallelism and in such proximity to each other as to support the back and hips of the patient upon opposite sides of the spine to relieve the spinal column of the patient of any considerable pressure, and means for anchoring the draw sheet to a supporting structure to resist its displacement with respect thereto.

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1,562,810. SCREW DRIVER OR TURNSCREW OR THE LIKE. LESLIE TOWL, Forest Gate, London, England. Filed Nov. 20, 1922. Serial No. 602,129. 3 Claims. (Cl. 145—61.)

3. A tool of the class adapted to be operated by one hand, said tool including a body part provided with a longitudinally extending groove in its outer face, a rotary abutment for the palm of the hand on the upper end of the body part, an annular disk concentrically arranged on the body part and slidably engaging the same for longitudinal adjustment, and means for securing the disk in different positions of adjustment on the body

part fixed thereto against relative rotary movement, said means including a set screw on the disk extending into the groove of the body part.

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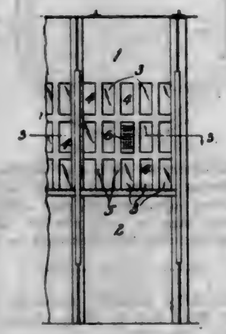
1,562,811. PARTITION IN JAIL CONSTRUCTION AND SPEAKING PANEL THEREFOR. MICHAEL J. TRACY, St. Louis, Mo., assignor to Pauly Jail Building Company, St. Louis, Mo., a Corporation of Missouri. Filed June 3, 1925. Serial No. 34,582. 7 Claims. (Cl. 189—5.)



1. A partition composed principally of tool proof steel plate, a plurality of window panels therein, and a speaking panel in said partition, said speaking panel comprising a partiton having perforate walls.

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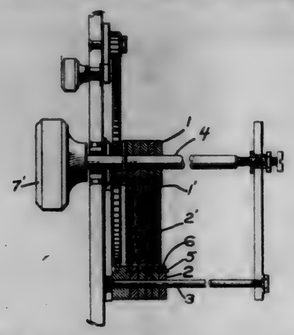
1,562,812. VARIABLE CONDENSER. HARRY TYRER, Camp Alfred Vail, N. J. Filed Mar. 26, 1924. Serial No. 701,958. 1 Claim. (Cl. 250—41.)

A variable condenser comprising a plurality of separately formed rotor and stator plates, said rotor and stator plates being mounted on a rotatable and fixed shaft respectively, each of said rotor and stator plates having a portion, adjacent their respective shafts, of substantially greater thickness than that of the main electrically effective area of said plates for the purpose of spacing said plates, each of said rotor and stator plates having a pin formed integrally therewith

and adapted to engage a corresponding groove in the adjacent rotor and stator plate respectively to insure against relative rotation between said rotor plates and



between said stator plates, means for rotating said rotor plates to bring the latter to a greater or lesser degree between said stator plates, for the purpose of varying the capacity of said condenser.

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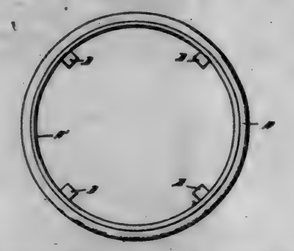
1,562,813. METHOD OF MAKING RIMS. JAMES H. WAGENHORST, Jackson, Mich. Filed June 4, 1924, Serial No. 717,718. Renewed Oct. 15, 1925. 9 Claims. Cl. 29—159.)



1. The herein described method of making rims which consists in forming a rim and sizing and shaping to a circle, punching openings in said rims at definite points, attaching lugs to said rim at said apertured points and then forming bolt openings in said lugs.

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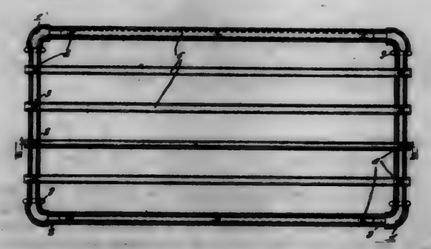
1,562,814. CHICKEN ROOST. CHARLES WARRINGTON, Camden, Ill. Filed Oct. 8, 1924. Serial No. 742,447. 1 Claim. (Cl. 119—25.)



A roost including elbows, pipes split longitudinally throughout their lengths and connected by the elbows to form a frame, the splits in the pipes being in the upper portions thereof and said pipes constituting communicating liquid receptacles, pins secured to the bottom portions of the pipes and extending upwardly through the open tops thereof but out of contact therewith, perches mounted on certain of the pins and supported above and longitudinally of two of the pipes, perches mounted at their ends upon the remaining pins and bridging the frame, means for supporting the frame, and means on the pins for supporting the perches.

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1,562,815. RADIO SOUNDER AND INTERFERENCE ELIMINATOR HAROLD W. WEBBE, Columbus, Ohio. Filed June 18, 1923. Serial No. 646,045. 1 Claim. Cl. 178—88.)

A radio sounder comprising, in combination, a telephone receiver provided with a diaphragm adapted to be vibrated by incoming signals, said diaphragm having a centrally located raised ridge, a wire of considerable length stretched taut and arranged in proximity thereto and adapted to be vibrated thereby, a separate circuit in proximity to said wire including means for amplifying said signals, means for adjusting said wire so as to be in resonance with the receiver diaphragm and the incoming signals, said receiver being capable of being moved longitudinally in either direction with relation to said wire.

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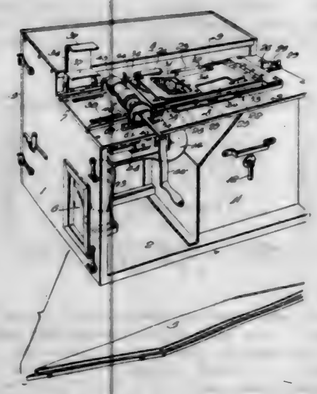
1,562,816. PHOTOGRAPHIC-PRINTING APPARATUS. THOMAS CARROLL WILLSON, Philadelphia, Pa. Filed Jan. 7, 1924. Serial No. 684,818. 12 Claims. (Cl. 95—75.)



1. In a photographic printing apparatus, the combination of a negative holder across which a sensititzed strip is adapted to be extended, and mechanism to advance said strip across said holder at intervals, said mechanism including a continuously operable rotatable segment to engage one side of said strip during a part of its revolution to pull the same.

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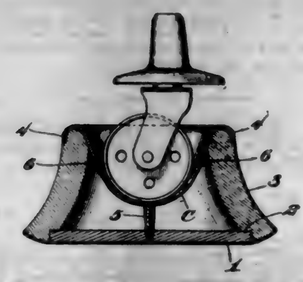
1,562,817. PIANO GLIDE. GEORGE C. WISMER, Santa Barbara, Calif. Filed Dec. 13, 1924. Serial No. 755,765. 1 Claim. (Cl. 84—190.)

A device of the class described comprising a base member, a shell resting thereon, a cup member supported by the upper end of the shell, and means for connecting the cup member to the base member to hold the cup



member, base and shell in assembled relation, said cup member being provided with openings in communication with the interiog of the device.

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1,562,818. PROCESS FOR THE PURIFICATION OF PHOSPHORIC ACID CONTAINING ARSENIC. OTTO WOLFES and HORST MAENDER, Darmstadt, Germany. Filed May 5, 1925. Serial No. 28,217. 1 Claim. (Cl. 23—165.)

Process for the purification of phosphoric acid containing arsenic by treating it with phosphoreted hydrogen and removing the precipitated metallic arsenic.

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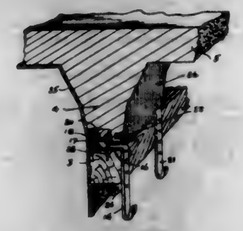
1,562,819. MEANS EMPLOYED IN REENFORCED CONCRETE CONSTRUCTION. ROY A. BADY, Los Angeles, Calif. Filed Nov. 22, 1923. Serial No. 676,259. 3 Claims. (Cl. 25—131.5.)



1. A mold form for concrete comprising a right plate and a left plate, a supporting truss and a plurality of metallic members fixed on the top of said truss and bent alternately right and left thereover, the depending ends of said members bent upward and supporting the lower edges of said plates and the upper ends of said members bent at an angle and within the mold and bifurcated to support reenforcing means.

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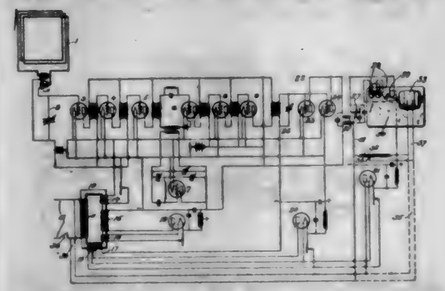
1,562,820. RADIO RECEIVING SYSTEM. JOHN B. BRADY, Somerset, Md., assignor to Morkrum Company, Chicago, Ill., a Corporation of Maine. Filed Aug. 22, 1923. Serial No. 658,816. 3 Claims. (Cl. 250—8.)

1. An automatic radio receiving apparatus comprising in combination an electron tude radio receiver arranged to respond to groups of impulses of energy extending through a definite number of successive time intervals for each signal, means operated by said electron tube receiver for opening and closing a local circuit in accordance with said impulses, automatic character selecting means connected in said local circuit, a source of alternating current and a rectifier connected between said source of alternating current and said local circuit



whereby said automatic character selecting means operates in accordance with said impulses with negligible electrical inertia.

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1,562,821. METHOD FOR COATING PARTICLES WITH INERT POWDER. LESTER A. BUNDS, Santa Clara, Calif., assignor to San Jose Spray Mfg. Co., San Jose, Calif., a Corporation of California. Filed Apr. 14, 1925. Serial No. 23,026. 3 Claims. (Cl. 23—243.)

3. The method of preparing a crystalline salt which consists of conveying the ground salt in a current of hot air while intermixed with an inert and more finely ground powder, whereby the evaporation from the salt particles leaves a salt residue on the particles in which the inert particles are held.

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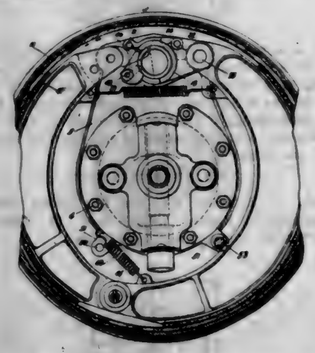
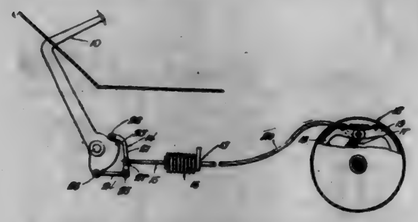
1,562,822. VEHICLE BRAKE-SHOE CARRIER PLATE AND BRACKET MECHANISM THEREFOR. ADIEL Y. DODGE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 22, 1924. Serial No. 701,173. 20 Claims. (Cl. 188—194.)



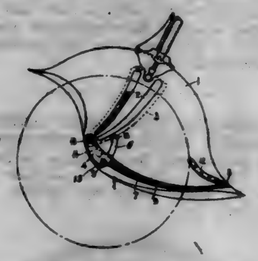
1. In combination with a vehicle wheel having a brake drum and a spindle supported by an axle, a carrier plate fitting around and fastened to the axle end of the spindle and extending above the spindle, a bracket fastened to said extended portion of the plate and having a part protruding through the plate beyond the drum, a universal joint including a shaft with a cam attached thereto housed within said bracket, braking means, housed within the drum and adapted to act thereon, pivoted to said bracket so as to be actuated by said cam, and a cover plate lying over the carrier plate for closing off the drum opening.

1,562,822. BRAKE CONSTRUCTION. ADIEL Y. DODGE, South Bend, Ind., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 29, 1924. Serial No. 702,768. 7 Claims. (Cl. 74—110.)



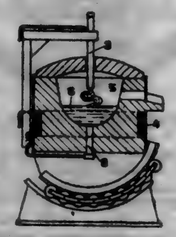
1. A brake construction comprising a pedal, a longitudinal reciprocable reach rod for causing actuation of the brake mechanism and transmission means between said pedal and reach rod comprising means whereby the movement ratio of the reach rod to the pedal decreases substantially as the pedal movement progresses, said last means comprising a lever pivoted to said reach rod and a pair of connections between the pedal and lever.

1,562,824. SPRING SUSPENSION OF VEHICLE WHEELS. ROBERT DOUGLAS ESCOMBE, Sevenoaks, Kent, England. Filed Mar. 27, 1922. Serial No. 547,296. 7 Claims. (Cl. 208—97.)



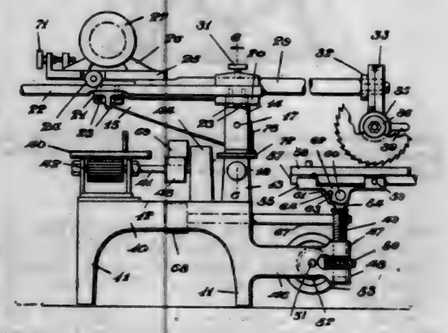
1. In a motor cycle the combination with the fork of a lever of much less length than the wheel radius pivoted upon the fork at one end, a wheel having its axle supported by the other end of said lever, and a laminated spring directly and rigidly attached to said lever at said other end and prolonging it and bearing upon a fixed part of the cycle.

1,562,825. ELECTRIC FURNACE. GEORG EVERYNOFF, Ekaterinoslav, Russia. Filed Nov. 11, 1924. Serial No. 749,216. 1 Claim. (Cl. 204—64.)



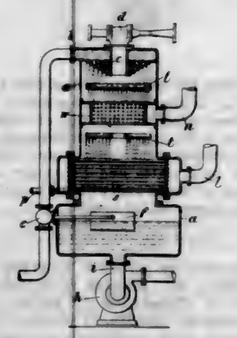
An electric furnace, comprising, in combination, a receptacle adapted to receive the metal to be treated and to be filled therewith up to a predetermined height; a carbon-electrode, the arc-forming end of which is very small in proportion to the diameter of the space containing said metal and which is arranged in such a height relatively to the surface of the metal present in said receptacle that its end is located above said surface; a coil so arranged as to produce a magnetic field by which the arc can be caused to assume the shape of a helical line, and to rotate, and means for supplying current to said coil and said electrode.

1,562,826. WOODWORKING MACHINE. EDWIN J. FAGEN, Jr., Harrisburg, Pa. Filed Feb. 13, 1922. Serial No. 536,337. 1 Claim. (Cl. 144—3.)



In a woodworking machine the combination of a motor; a carriage slidably supporting said motor; a rotatable post slidably supporting said carriage; a tool-carrying cross-head slidably supported radially of the post; a base frame supporting said rotatable post; a mandrel-carrying shaft mounted in said frame; a second tool-carrying shaft mounted in parallel relation to said first shaft; a third idler pulley-carrying shaft interposed between said first and second shafts; and means for operatively connecting said motor alternatively with said tool-carrying cross-head and said first, second and third shafts.

1,562,827. APPARATUS FOR THE REMOVAL OF GASES FROM LIQUIDS. HARRY FOTHERGILL, Westminster, London, England. Filed Oct. 11, 1924. Serial No. 743,067. 17 Claims. (Cl. 183—2.5.)



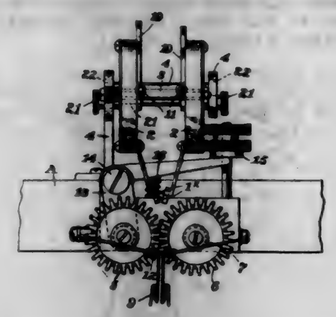
1. Apparatus for the removal of gases from liquids comprising a vessel, means for introducing liquid into the vessel in a falling spray, an exposed heating surface within said vessel sufficient to effect ebullition of the liquid at the temperature and pressure existing in the vessel, said surface being arranged beneath the falling spray and upon which surface the liquid is sprayed and is ebullated, and a connection to the vessel for the introduction of a heating medium from an outside source in to direct contact with the liquid falling through the vessel.



1,562,828. PROCESS OF COLORING MOTION PICTURES. ARTURO HERNANDES-MEJIA, New Rochelle, N. Y.; Margaret N. Hernandes, administratrix of said Arturo Hernandes-Mejia, deceased, assignor to Colorgraph Laboratory, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 16, 1919. Serial No. 271,359. 17 Claims. (Cl. 95—2.)

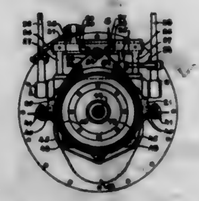
1. A photographic process comprising imprinting, in alignment, upon opposite sides of light-transmissive material, sensitized upon both sides, two images from negatives of the same object, from one of which negatives certain color sensations have been omitted and from the other of which other, complementary, color sensations have been omitted, developing and fixing said images, toning both of the same to a color corresponding to the sensations omitted from one of said negatives, and applying to one side of said material a toning solution adapted to turn the image on said side from such color to a color corresponding to the sensations omitted from the negative from which was imprinted the image on said side.

1,562,829. YARN-FURNISHING MECHANISM FOR KNITTING MACHINES. KENNETH HOWIE, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Filed Apr. 17, 1922. Serial No. 553,461. 4 Claims. (Cl. 66—12.)



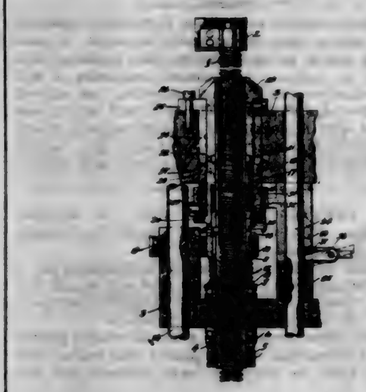
1. In combination a pair of rotary yarn furnishing members adapted to feed the yarn at different rates of speed according to the different positions along the members to which the yarn is moved to pass between them, a guide pivoted above the rotary members, depending from its pivot and moving along a plane coinciding with the plane in which the rotary members meet, a sweep arranged above the plane of the rotary members and having a swinging movement, and connected with the said pivoted guide, said sweep reaching to a point beyond the outer ends of the rotary members, and a guide below the rotary members receiving the yarn therefrom and directing it upwardly to the sweep, substantially as described.

1,562,830. BRAKE-OPERATING MECHANISM. GEORGE D. HUGO, Seattle, Wash. Filed Oct. 8, 1923. Serial No. 667,194. 12 Claims. (Cl. 188—140.)



1. In a vehicle of the class described, a braking mechanism, a rotatably driven member, a contact member adapted to be frictionally engaged with said rotatably driven member and to be moved by such contact, a guide on the said contact member, a stationary guide and a flexible member extended through said guides and having operative connection with the braking mechanism whereby the latter will be actuated by rotative movement of the control member in either direction.

1,562,831. CLUTCH MECHANISM. HOWARD W. HUNT and FORREST E. CARDULLO, Cincinnati, Ohio, assignors to The G. A. Gary Company, Cincinnati, Ohio, a Corporation of Ohio. Original application filed Aug. 8, 1921, Serial No. 490,453. Divided and this application filed Mar. 12, 1924. Serial No. 698,705. 6 Claims. (Cl. 74—40.)

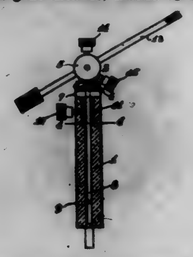


1. In a mechanism of the class described, a supporting frame, means adapted by rotation to move the supporting frame, a movable clutch member concentric therewith and slidably keyed thereto, a first clutch, a second clutch, and a clutch shifting member concentric with the movable clutch member and adapted by partial rotation to shift the movable clutch member axially from engagement with the first clutch into engagement with the second clutch.

1,562,832. UNIVERSAL COIL MOUNTING. RAY E. JONES, Oakland, Calif. Filed Sept. 19, 1923. Serial No. 663,617. 3 Claims. (Cl. 171—119.)

2. A coil mounting comprising a body, coil mounts positioned on said body, means to secure the coils to

said mounts, carriages upon which said coil mounts are positioned, a gear journalled in said carriage, a rack with which said gear meshes, means to swing said mounts



on either of two axes at right angles to each other and means to rotate said gear to adjust the mounts at right angles to one of the said axes of rotation.

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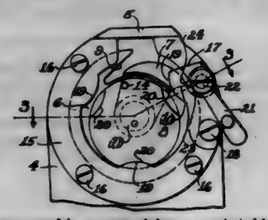
1,562,833. SEWING MACHINE. HARRY W. KRAG, St. Louis, Mo., assignor to American Shoe Machinery & Tool Company, St. Louis, Mo. Filed Sept. 8, 1922. Serial No. 586,885. 5 Claims. (Cl. 112—188.)



1. A sewing machine comprising a rotatably mounted shuttle, a bobbin case eccentrically mounted in said shuttle, and means on said machine for retaining said bobbin case in position, said means comprising a plurality of circumferentially spaced projecting lips adapted to overlap the edge of said bobbin case, said bobbin case being formed with a plurality of circumferentially spaced recesses adapted for engagement with said lips, thereby preventing rotation of said bobbin case with said shuttle.

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1,562,834. DENTAL CEMENT. PAUL W. KRUGER, Boyett, Miss. Filed Oct. 6, 1924. Serial No. 742,083. 8 Claims. (Cl. 106—6.)

1. A dental cement comprising a combination of a dental cement comprising a powder that can be set into a hardened cement with guaiacol, a liquid containing guaiacol in its composition, and a terebinth.

5. A dental cement comprising a dental cement powder comprising a magnesium cement powder that reacts with guaiacol, to form the hardened mass, guaiacol and balsam of fir.

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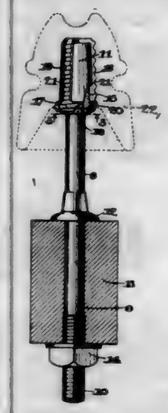
1,562,835. SIGNAL APPARATUS. LEONARD W. KUTTLER, Euclid, Ohio. Filed June 15, 1923. Serial No. 645,521. 5 Claims. (Cl. 88—1.)

1. A signal apparatus including, a frame, a signal member supported in said frame, prisms on said signal member to collect light rays from an outside source and to reflect the same as a signal, the peaks of some of said prisms inclined in one direction and the peaks of others of said prisms inclined toward the first mentioned peaks to increase the reflection of the light rays from the outside source.

1,562,836. PIN FOR INSULATORS. WILLIAM D. KYLE, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 15, 1922. Serial No. 601,070. 5 Claims. (Cl. 173—321.)



1. In an insulator pin, the combination of a metal pin having a head, and longitudinally extending soft metal strips having a key connection with said head and having inwardly projecting parts at their ends to hold them against longitudinal movement relative to said head, the outer edges of said strips being indented to form threads for receiving an insulator.

2. In an insulator pin, the combination of a metal pin having a head, longitudinally extending soft metal strips having a key connection with said head and having outer indented edges forming threads for the insulator, and means for holding said strips against longitudinal movement relative to said head.

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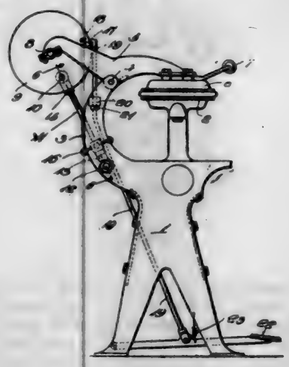
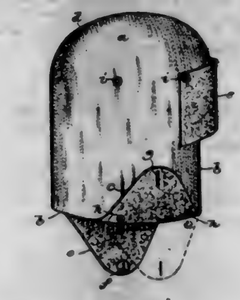
1,562,837. GARMENT PRESS. FREDERICK W. LINDEMANN, St. Paul, Minn. Filed Jan. 15, 1925. Serial No. 2,633. 8 Claims. (Cl. 68—9.)



1. A garment press comprising a pressing head mounted for movement to and from pressing position, and means for locking said head in pressing position, said means including a fly-wheel and means connected therewith whereby the same is set in motion by initial movement of the head, said fly-wheel thereafter expending its kinetic energy to assist in completing the movement of said head.



1,562,838. CAP. EUGENE H. MAHLER, Milwaukee, Wis., assignor to Columbia Knitting & Mfg. Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 5, 1923. Serial No. 643,522. 1 Claim. (Cl. 2—172.)



A cap comprising a crown having an upwardly foldable back band, a reinforcing front band secured along the lower edge thereof to the adjacent lower edge of said crown, the ends of said front band extending rearwardly beyond the ends of said back band whereby the adjacent ends of said bands overlap when said back band is folded upwardly thereby forming in effect a continuation of said front band, said back band being provided with throat-protecting flaps, the vertical dimension of said flaps being such as to permit folding of the same out of sight between said crown and said back band when the latter is folded upwardly, said flaps being provided on their inner sides adjacent their front and rear edges and adjacent the line on which they fold with fastening members, said crown being provided with complementary fastening members adapted and arranged for conction with said first-mentioned member when said back band is folded upwardly and said flaps folded between the latter and said crown whereby said members are completely concealed and act to hold said back band and said flaps in their said respective folded positions, and means for fastening said flaps together in position to protect the throat of the wearer.

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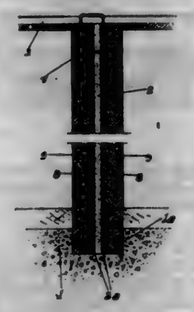
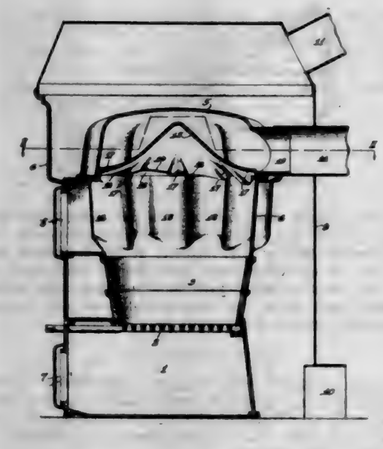
1,562,839. WALL CONSTRUCTION. JOHN F. MAKOWSKI, Stockton, Calif., assignor to California Cedar Products Company, Stockton, Calif. Filed Dec. 8, 1923. Serial No. 679,328. 2 Claims. (Cl. 72—17.)



1. A wall construction including a single continuous imperforate fire proof sheet of material extending from a floor to a ceiling and being supported only at its ends, and plaster adhered to the core.

1,562,840. DRAFT EQUALIZER AND DIFFUSER. HENRY C. MAUL, Detroit, Mich., assignor to The Michigan Stove Company, Detroit, Mich., a Corporation of Michigan. Filed May 11, 1925. Serial No. 29,355. 5 Claims. (Cl. 126—99.)



1. The combination in a heater, a combustion chamber, a horizontally disposed draft member co-axially of said combustion chamber and supported on the upper edges of said combustion chamber, said draft member having a number of draft walled openings for the products of combustion to pass through from one side to the other side of the said draft member, said draft member having a closed top and the openings varying in size with some of the opening walls below the plane of the upper edges of said combustion chamber.

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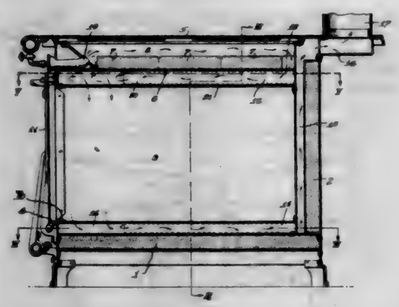
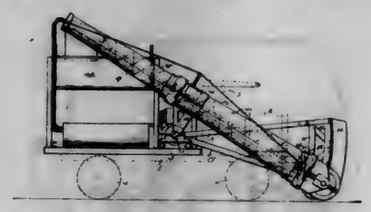
1,562,841. HOTEL RANGE. HENRY C. MAUL, Detroit, Mich., assignor to The Michigan Stove Company, Detroit, Mich., a Corporation of Michigan. Filed May 11, 1925. Serial No. 29,356. 6 Claims. (Cl. 126—89.)



1. A range having a cooking top and oven, a chamber under said cooking top for a source of heat adapted to heat said cooking top and said oven, a top flue between said chamber and said oven, said flue having for its top wall the bottom wall of said chamber and for its bottom wall the top wall of said oven, and flues at the bottom, sides and rear of said oven adapted to receive heat from said chamber.

1,562,842. SNOW PLOW AND LOADER. HARRY P. MILNE and LOUIS M. SANDERS, East Orange, N. J.; Louis M. Sanders, jr., administrator of said Sanders. Filed July 5, 1923. Serial No. 649,432. 18 Claims. (Cl. 37—12.)



1. In a snow plow and loader, the combination of a self-propelled vehicle with a plow body supported upon the forward end of said vehicle, struts extending from the rear of said plow body, and pivotal connections for the rear ends of said struts mounted upon said vehicle, whereby said plow body may be elevated and lowered about said pivotal connections as a center.

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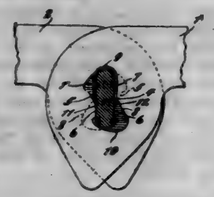
1,562,843. CHAIN AND PARTS THEREFOR. FRIEDERICH MÜLLER, Elizabeth, N. J., assignor to The Whitney Mfg. Co., Hartford, Conn., a Corporation of Connecticut. Filed Dec. 4, 1923. Serial No. 678,407. 5 Claims. (Cl. 74—32.)



1. In a chain, a series of links, each having an opening widening in two directions from the pivotal center, the sides extending along straight lines substantially throughout their length and the ends being eccentric.

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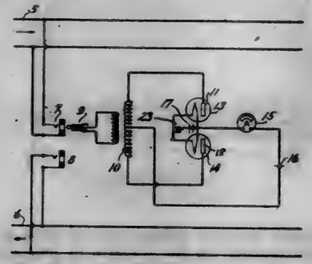
1,562,844. TRANSMISSION CIRCUITS. HENRY W. O'NEILL, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 14, 1923. Serial No. 657,399. 5 Claims. (Cl. 179—175.)



1. In combination, a transformer, means comprising a signaling line for delivering to a winding of said transformer current having intensity variations approximately of a frequency of the order of the syllabic frequency of of speech, and a direct current measuring instrument and a unidirectional electric discharge device in circuit with a second winding of said transformer, said transformer having such an impedance ratio that the impedance of said device as seen from the line is substantially infinite, and said instrument giving an indication varying approximately at a frequency of the order of the syllabic frequency of speech, in response to current impulses delivered to said instrument from said unidirectional electric discharge device.

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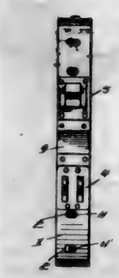
1,562,845. BRAKE BAND. GUSTAVE CARL PACK, New Brunswick, N. J. Filed June 4, 1925. Serial No. 34,875. 1 Claim. (Cl. 188—249.)



In a structure of the class described, a brake band provided with a plurality of circumferentially spaced key hole slots, said slots being disposed transversely of the longitudinal axis of the band, said band being provided adjacent its free end with spaced holes, a lining, and a resilient backing strip to which said lining is permanently fastened, said lining and strip being of a radius greater than that of said band, and said strip being equipped with lugs disposed in said holes and headed studs fitted into said key hole slots.

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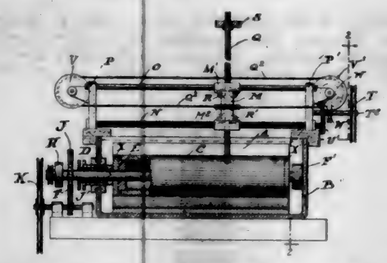
1,562,846. ANTIFRICTION MATERIAL AND METHOD OF MAKING THE SAME. CLARENCE Q. PAYNE, New York, N. Y. Filed Feb. 5, 1923. Serial No. 617,175. 10 Claims. (Cl. 204—1.)



1. A metal and mineral aggregate comprised of a body of metal with portions of the mineral embedded in the metal in spiral lines.

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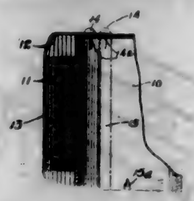
1,562,847. RIBBON FASTENER. DAVID PHILLIPS, College Point, N. Y. Filed Sept. 18, 1924. Serial No. 738,341. 1 Claim. (Cl. 206—54.)

The herein described adjustable fastener for the end of a roll of ribbon for use upon a hollow block, the same comprising a flexible strap member, a flat dart pointed pin for piercing one end of the strap and securing it against one end of the block, said pin having a flat head, and a detachable fastener pin for the remote end portion



of the strap for connecting the same detachably to the opposite end of the block, the latter pin being adapted



to pierce through any desired point of the strap according to the effective length thereof and having a bend formed therein between the point and the head thereof to prevent accidental pulling loose thereof.

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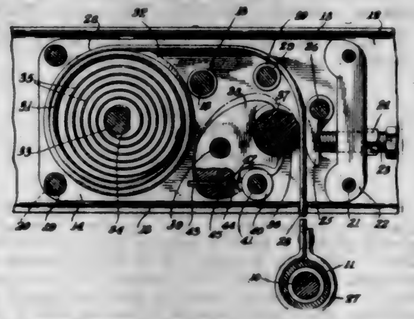
1,562,848. SHOCK ABSORBER. WILLIAM S. PORTER and HUGH L. HUGHES, Weehawken, N. J., assignors to Nojar Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1923. Serial No. 660,105. 5 Claims. (Cl. 267—10.)



1. A shock absorber for vehicles comprising a casing adapted to be fixed to the vehicle frame, a member extending from said casing to be secured to the vehicle axle, a friction roll against which said member is disposed, a rocking support for said friction roll, a pivoted friction block opposed to said roll, and means for adjusting said block.

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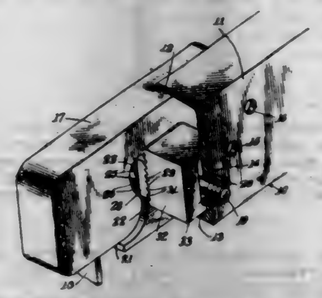
1,562,849. ADJUSTABLE SUPPORT AS APPLIED TO ROLLED STRUCTURAL SHAPES. WILLIAM S. PORTER and HUGH L. HUGHES, Weehawken, N. J., assignors to Nojar Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 13, 1923. Serial No. 662,452. 4 Claims. (Cl. 267—10.)



1. An adjustable support bracket comprising a fixed block, a rotatable bracket element, a plate intermediate said block and bracket, co-operating means on said bracket and plate permitting radial adjustment of the bracket, co-operative means on the opposite side of said plate and block permitting vertical adjustment, and means for clamping said bracket, plate and block rigidly when in adjustment.

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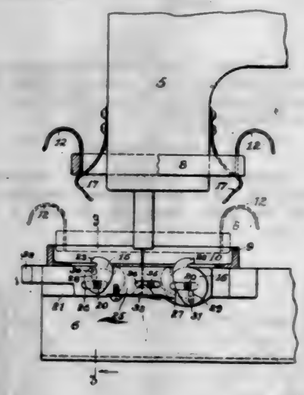
1,562,850. EMBROIDERY-FRAME HOLDER FOR SEWING MACHINES. IRVIN RADER, Reading, Pa., assignor to The Nolde and Horst Company, Reading Pa., a Corporation of Pennsylvania. Filed Apr. 21, 1923, Serial No. 633,598. Renewed Sept. 25, 1925. 3 Claims. (Cl. 112—103.)



1. The combination with a sewing machine having a work table and an overhanging needle-bar head, of a work holder comprising a ring member having an inwardly extending circular flange adapted to seat upon the work table and a work-clamping ring member insertable in said flanged ring member, and means for clamping the latter to the work table comprising clamping devices pivotally secured to the work table and actuating means for swinging said devices into and out of engagement with said inwardly extended circular flange.

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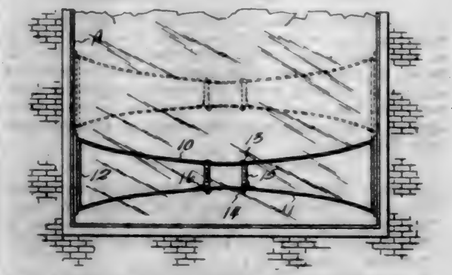
1,562,851. WINDOW DISPLAY RACK. ROSCOE R. RANSOM, Dallas, Tex. Filed June 16, 1924. Serial No. 720,277. 6 Claims. (Cl. 211—17.)



1. In a window display rack, a pair of flexible leaves fastened together at their ends, and means for spreading the leaves intermediate their ends to clamp the rack in a window frame.

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1,562,852. CORD MACHINE. HERMAN P. RUF, New York, N. Y. Filed Feb. 7, 1925. Serial No. 7,452. 1 Claim. (Cl. 117—35.)

In a cord making machine, the combination with means for receiving a plurality of threads and actuating the

same to produce a cord, of means for guiding said threads to be received as aforesaid, the guiding means comprising a rod having a longitudinal groove to receive said threads,

the surface of said rod at the sides of said groove forming substantialy circular sliding surfaces for said threads and permitting threads to be fed into said groove simultaneously at both sides of the rod.

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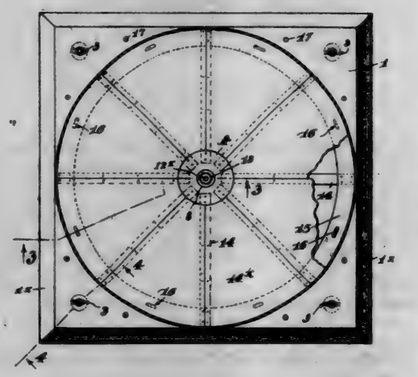
1,562,853. PORTABLE AUTOMOBILE TURNTABLE FOR GARAGES. MAX SCHONBERGER, Brooklyn, N. Y. Filed June 18, 1925. Serial No. 37,885. 4 Claims. (Cl. 104—45.)



1. A portable automobile turntable for garages, comprising a frame, a turntable revolubly mounted to rotate on said frame and rotary supporting members for the frame in combination with spring resistance members adapted to normally project said rotary supporting members below the frame, the said resistance members being adapted to be overcome by the weight of an automobile upon the turntable.

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1,562,854. COMPOSITION FOR PRESERVING EGGS. CLIFFORD C. SHAFER, Newark, N. J., assignor to Guaranty Egg Corporation, Newark, N. J., a Corporation of New Jersey. Filed May 3, 1923. Serial No. 636,391. 2 Claims. (Cl. 99—11.)

1. A composition for preserving eggs consisting of a solution of a carbohydrate, mineral oil, odorless gum and wax, and refined Burgundy pitch.

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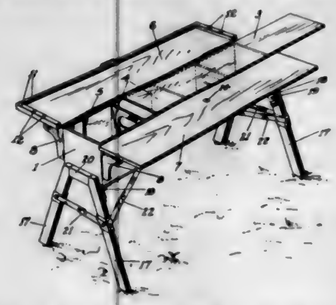
1,562,855. COMBINATION LUNCH BOX AND TABLE. ALFRED S. TINKESS, Stockton, Calif. Filed Jan. 27, 1925. Serial No. 5,065. 5 Claims. (Cl. 190—12.)

2. A combined food box and table device comprising a box adapted to rest on the running board of a car, flat members associated with the box for providing a table top, leg members hinged onto the box and adapted to be folded under the box when not in use and means



between the running board and said leg members for holding the device immovable on said board when the legs are folded.

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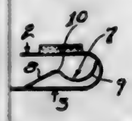
1,562,856. PENCIL HOLDER. WILLIAM J. WHITE, San Francisco, Calif., assignor of one-half to William H. Gilbert, San Francisco, Calif. Filed Jan. 2, 1924. Serial No. 683,897. 2 Claims. (Cl. 24—11.)



1. A pencil holder comprising opposed resilient jaws adapted to clamp between them the outer wall of a garment pocket, a laterally opening clip on one of the jaws in which clip a pencil may be moved sidewise in the lateral opening therein in a position to be removably held, a resilient tongue carried by said clip adapted to yieldingly clip a pencil between it and one side of the clip, and a shoulder provided intermediate of the ends of the tongue permitting insertion of a pencil between the clip and the tongue but preventing lateral withdrawal of the pencil past the shoulder.

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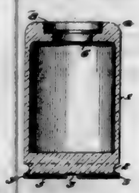
1,562,857. PRESERVING JAR. FREDERICK V. WINTERS, New York, N. Y. Filed Sept. 29, 1923. Serial No. 665,630. 5 Claims. (Cl. 215—1.)



1. A preserving jar having an external annular groove in its side wall near its base and vertical notches leading from its base to said groove for the purpose specified, a cover for said jar having a passage therethrough, and a sealing plug arranged in said passage in the cover.

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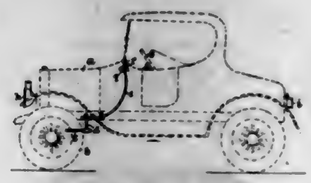
1,562,858. AUTOMOBILE SIGNAL SWITCH. ANTONY ALESSI, Paterson, N. J. Filed May 28, 1923. Serial No. 641,870. 2 Claims. (Cl. 200—59.)

1. In a vehicle signal control, the combination of a steering mechanism having a yieldable means connected thereto, a switch including a stationary contact,



a movable contact, and a means for manually moving said contacts into operative engagement, and a latch means for retaining said contacts in operative engage-



ment, said yieldable means being in constant engagement with said latch means and adapted to release said latch means when the steering mechanism is moved.

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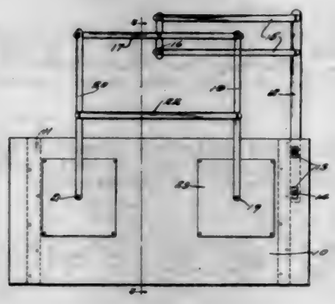
1,562,859. PANTOGRAPH. MAURICE M. ANDERSON, Madison, Wis. Filed Dec. 20, 1923. Serial No. 681,830. 1 Claim. (Cl. 33—25.)



A pantograph apparatus comprising a board, a brace disposed transversely across the board, securing devices carried by the board and spaced at equal distances from the brace and located between the edge of the brace and the end edge of the board, an arm connected with the securing devices, and having an edge bearing against the adjacent edge of the brace, extension bars pivotally connected with the arm, a connecting bar pivotally connected with the free ends of the first mentioned bars, a cross arm secured to the connecting bar at a point midway between the ends of the cross bar and at a point midway between the ends of the said arm, tracing arms pivotally connected with said cross arm and a brace bar pivotally connected at its end with the tracing arm at points between the ends thereof.

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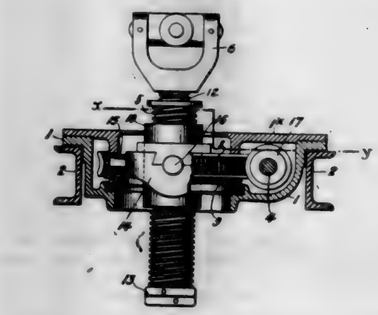
1,562,860. TILTING MECHANISM OF SELF-DISCHARGING WAGONS. WALTER BARNETT and JAMES FLORENDINE, Rugby, England. Filed Feb. 27, 1925. Serial No. 12,015. 2 Claims. (Cl. 298—19.)

1. In tilting mechanism for self-discharging wagons of the kind specified and in which a tilting screw to tilt the body is universally jointed at its upper end to the base of the body and is raised or lowered by mechanism carried by the chassis of the vehicle; the combination of a gear case permanently fixed to the chassis of the vehicle beneath said tilting body of said wagon, a horisontal annular bearing in said gear case, an annular toothed worm-wheel carried in said bearing, a screw-threaded nut within said annular wheel through which nut said tilting screw passes and engages, a universally jointed connection between said nut and said wheel to carry said nut and cause it to share the revolutions



of said worm wheel and to permit said nut and said tilting screw to have free angular adjustment, fixed horizontal bearings in said gear case, an operating shaft carried in said fixed bearings in said fixed gear case, a worm on said operating shaft to engage said annular toothed wheel, and means for revolving said operating shaft to raise or lower said tilting screw.

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1,562,861. BEDSTEAD. HENRY F. BERBIG, Duluth, Minn. Filed Jan. 31, 1924. Serial No. 689,659. 2 Claims. (Cl. 5—114.)

1. A folding bedstead comprising a two-part separable receptacle forming the head and foot of the bed, and foldable bed stocks for cooperative engagement with the receptacles, said stocks being foldable only outwardly, and springs permanently attached to the head and foot of the bed and vertically removably attached to the stocks for normally holding the four sides of the bed together.

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1,562,862. RATCHET SCREW DRIVER. CHRISTIAN BODMER, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Jan. 19, 1924. Serial No. 687,222. 9 Claims. (Cl. 145—7.)

1. A pawl carrier for a ratchet screw driver or like tool comprising a block having a ratchet receiving recess, two pawl-receiving open parallel grooves located side by side in a plane, a flat surface at which the dividing wall and outer walls of the grooves terminate

and which lies in a plane lower than that of the grooves, the wall of the ratchet-receiving recess being cut away

adjacent the grooves, with the walls defining the cut away portion being continuations of the outer walls of the grooves.

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1,562,863. PURIFICATION OR EXTRACTION OF SOLUBLE SUBSTANCES. WALTER BROADBRIDGE, EDWIN EDSER, and WILLIAM GEORGE SELLERS, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y. Filed June 13, 1922. Serial No. 568,047. 4 Claims. (Cl. 23—102.)

1. The process of purifying a soluble substance contaminated with insoluble finely divided impurities, which consists in treating the contaminated substance with a solvent to dissolve the soluble substance and produce a contaminated solution, agitating the contaminated solution with a small proportion of a flocculating agent to flocculate the impurities, filtering the solution to separate it from the flocculated impurities, and recovering the substance from the filtered solution.

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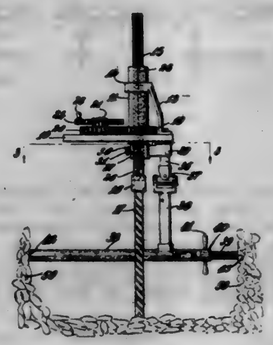
1,562,864. MINING DRILL. FRANK BROSOSKY, Haywood, W. Va. Filed Dec. 10, 1921. Serial No. 521,290. 2 Claims. (Cl. 255—46.)



1. A drill comprising a supporting plate, an upright bearing member secured to the upper face of said plate, a sleeve rotatably mounted in said bearing member and said plate, a gear fixed to said sleeve adjacent the upper surface of said plate, manually operable gear means journaled in the plate and operatively connected to said first named gear, a slotted screw extending axially through said sleeve, a key fixed in said sleeve and projecting into the slot in said screw, a rod fixed to the lower face of said plate, a bracket secured to said rod, a split nut on the end of said bracket and operatively engaging said screw, a drill chuck on the lower end of said screw, a second rod below said first rod, a universal connection between said rods, a laterally extending tubular member secured to the lower end of said second rod, and an extensible abutment member mounted in one end of said tubular member.

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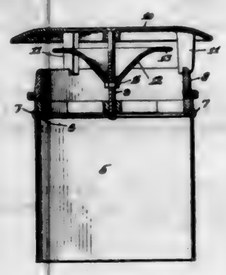
1,562,865. FLOOR VENTILATOR. HERBERT L. BROWN, Richmond, Va. Filed June 19, 1925. Serial No. 38,246. 4 Claims. (Cl. 98—27.)



1. In a ventilator of the type set forth, a spider-ring and flange, a cover and a central screw for clamping it in place on said flange, and a damper-member threaded on said screw at a point below the cover, for the purpose set forth.

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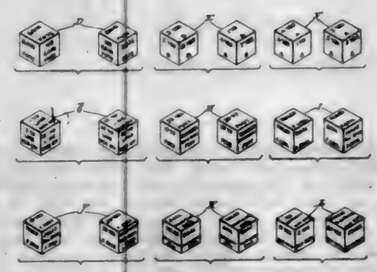
1,562,866. GAME APPARATUS. NORMAN W. BURGESS, Lexington, Va. Filed Jan. 18, 1924. Serial No. 687,074. 3 Claims. (Cl. 273—94.)



1. In game apparatus, a board having goals at its opposite ends and graduated between goals, a piece to be moved over the face of the board, a marker of length equal to the distance between a determined number of the graduations, adapted to be placed with one end in line with the piece, its other end indicating the movement of the piece that must be made in a determined number of plays, the opposite ends of the marker being designated to correspond with the goals, and chance-controlled indicating means for determining the direction of movement and its extent at each play.

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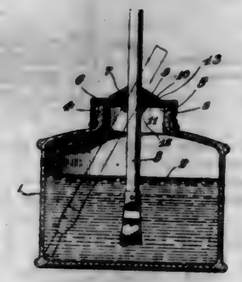
1,562,867. BRUSH HOLDER FOR BOTTLE CAPS. GEORGE B. BUSH, Philadelphia, Pa., assignor to Continental Scriptex Ink Co., Philadelphia, Pa. Filed Dec. 1, 1923. Serial No. 678,031. 3 Claims. (Cl. 91—67.2.)

1. In combination with a bottle cap having an opening therethrough, a resilient holder seated in said opening and having a circumferentially enlarged portion for sealing over its engagement with the cap and having an axially extending portion, there being an opening through





the axially extending portion and a brush having a stem passing through said axial opening and having gripping fit therein.

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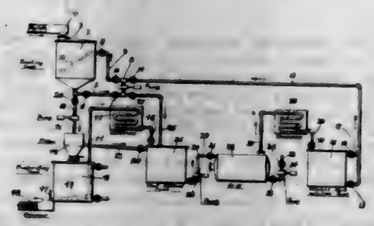
1,562,868. PROCESS OF TREATING DECOLORIZING AND CLARIFYING HYDROUS MAGNESIUM SILICATES. MARVIN L. CHAPPELL, Inglewood, Calif., assignor to Standard Oil Company, San Francisco, Calif., a Corporation of California. Filed Oct. 15, 1924. Serial No. 743,746. 8 Claims. (Cl. 252—2.)



1. The process of treating spent decolorising and clarifying agent containing as the basic ingredient hydrous magnesium silicate which comprises contacting the silicate with a color solvent containing the requisite sulfuric acid to restore at least the original decolorising and clarifying powers of the silicate.

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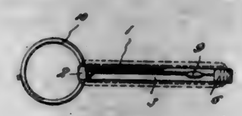
1,562,869. BOBBED-HAIR CURLER. ANTIONETTE V. COMINGS, East Grand Forks, Minn. Filed June 16, 1924. Serial No. 720,368. 4 Claims. (Cl. 132—42.)



4. An article of the class described comprising a hair curler having a pair of arms, means for detachably interengaging the ends of said arms, said means consisting of a loop on one of said arms under which the other arm engages, a recess in said loop and an elastic band secured in the end of the arm opposite to the loop and adapted to be stretched over both of said arms and engage with said recess.

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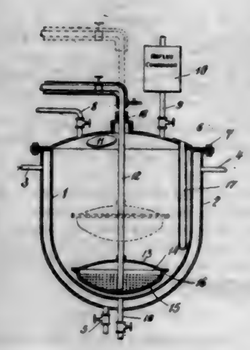
1,562,870. DIGESTION AND FILTRATION APPARATUS. LLOYD C. DANIELS, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 9, 1920. Serial No. 350,884. 2 Claims. (Cl. 167—4.)



1. A digestion or extraction and filtration apparatus, comprising a receptacle provided with heating means, a filter head within the receptacle and conforming generally to the contour of the bottom of the receptacle, an outlet pipe leading from within the filter head to the outside of the apparatus, a vapor outlet pipe having a reflux condenser, and means for introducing compressed gas into the receptacle above the liquor level therein to force the liquor out through the filter head and the pipe to the outside of the apparatus.

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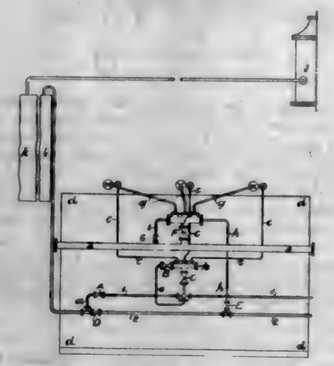
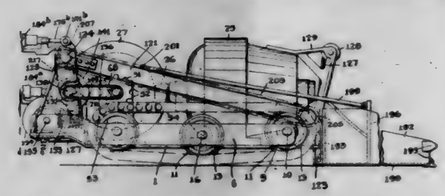
1,562,871. ICE-MANUFACTURING APPARATUS. ALBERT CHARLES DAVIS, Liverpool, England. Filed Dec. 27, 1919. Serial No. 347,858. 3 Claims. (Cl. 62—167.)



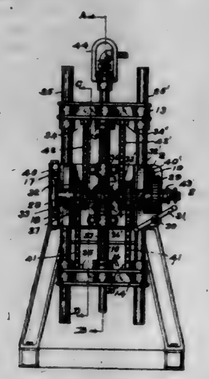
1. In ice-manufacturing apparatus of the direct-expansion type, and wherein the apparatus includes ice-freezing walls, means for delivering liquid refrigerant to the freezing walls under refrigerant-evaporation conditions to produce the freezing, and means for delivering the refrigerant to said walls while maintaining the refrigerant under pressure sufficient to prevent material evaporation of the refrigerant, whereby thawing conditions are produced for removal of the formed ice from such walls.

1,562,872. DISTANT CONTROL FOR AUTOMOTIVE MACHINES AND MATERIAL-HANDLING MACHINES. KENNETH DAVIS, St. Benedict, Pa., assignor to Rembrandt Peale, New York, N. Y. Filed Feb. 17, 1921. Serial No. 445,701. 76 Claims. (Cl. 214—132.)



66. A material carrying, loading and unloading machine including in combination a frame, a shovel at the front of the frame, endless traction treads on either side of the frame, and to the rear of the shovel, and means for controlling the operation of the traction treads from a point distant from the machine.

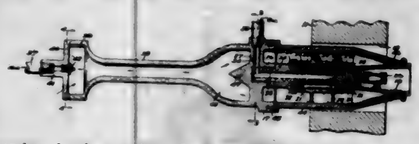
1,562,873. HIGH-SPEED ROTARY DRILLING MACHINE. FRANCIS HARLEY DAVIS, Monterey, Calif. Filed June 12, 1923. Serial No. 644,914. 3 Claims. (Cl. 255—22.)



2. In a drill of the kind described, a stationary supporting structure carrying a drill-head provided with a gate, the gate carrying free-ended vibratable feed-guides, independent spindle-carrying means freely engaging the said feed-guides and being adapted for up and down movement longitudinally therewith, said spindle-carrying means being provided with suitable feed element or elements engaging complimental element or elements carried by the drill-head, said engaging elements constituting a direction-changing means being adapted to impart regulative adjustment to the said spindle-carrying means longitudinally of the said vibratable feed-guides.

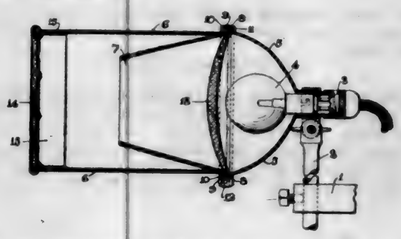
1,562,874. ROTARY OIL BURNER. HERBERT L. DELANEY, San Francisco, Calif., assignor to Bunting Iron Works, San Francisco, Calif., a Corporation of California. Filed May 8, 1923. Serial No. 637,483. 6 Claims. (Cl. 158—77.)

6. In an oil burner, an oil cup, a rotatable sleeve supporting the cup, vanes on said sleeve whereby a blast of gaseous fluid may serve to rotate the cup, a nozzle for confining the space around the vanes and for directing a blast beyond the end of the cup so as to project the fuel therefrom into a combustion chamber, a tubular member connected to the nozzle for providing a continuous passageway therewith, said tubular member having a flared end adjacent the nozzle, a deflector for directing the fluid blast into the annular space between the nozzle and the rotatable sleeve, said tubular



member having a free flaring end open to the atmosphere, a strap across this end, and means for releasing a stream of gaseous fluid under pressure into the tubular member, said means being supported on the strap.

1,562,875. AUTOMOBILE HEADLIGHT. HARRY F. DUBBEN and FRANK B. EASTON, New York, N. Y. Filed Oct. 17, 1924. Serial No. 744,168. 3 Claims. (Cl. 240—48.4.)

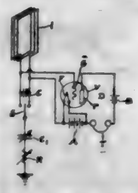


3. An automobile headlight containing, in combination, a concave reflector, a lamp located within the cavity thereof, and secured to the front thereof a guard compriaing two open-ended members fitting one within the other, the outer member having its interior blackened, and the inner member tapering and having its larger end fitted into and secured to the rear end of said outer member, the rear end of said guard being of the same cross-sectional size as said reflector.

1,562,876. TREATMENT OF FINELY-DIVIDED COAL AND THE PRODUCTION OF BRIQUETTES. EDWIN EDSER and WALTER HENRY BEASLEY, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y. Filed July 29, 1922. Serial No. 578,477. 10 Claims. (Cl. 44—1.)

1. A process for the production of agglomerates of coal particles which consists in agitating coal of suitable fineness in an acidified pulp with a substance having normally no preferential affinity for the coal particles and adapted to serve as a binding medium, whereby the coal particles are agglomerated, and separating the resulting agglomerates from pulp liquid.

1,562,877. RADIO RECEIVING SYSTEM. WILLIAM G. ELLIS, Philadelphia, Pa. Filed June 16, 1922. Serial No. 568,827. 4 Claims. (Cl. 250—11.)



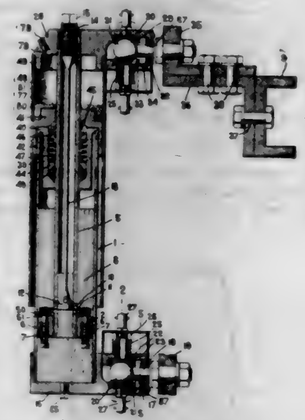
1. In a radio receiving system the combination of a loop or receptor, a tuning element therein, a detector connected to points of different potential of said tuning element, said detector being of a nature to create unbalanced electrical paths to ground from said points, and a compensating circuit including a resistance to compensate for said unbalanced grounding.



1,562,878. FOAM STABILIZER. NATHANIEL T. EWER, Swarthmore, Pa., assignor, by mesne assignments, to Amdyco Corporation, a Corporation of New York. Original application filed Dec. 18, 1923, Serial No. 681,429. Divided and this application filed Sept. 18, 1924. Serial No. 738,557. 5 Claims. (Cl. 23—11.)

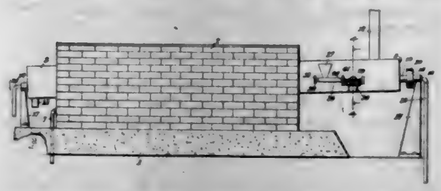
1. A foam stabilizer consisting of an extract of chestnut oak bark substantially free from tannin.

1,562,879. SHOCK ABSORBER. ERNST FLENTJE, Cambridge, Mass. Filed Dec. 29, 1924. Serial No. 758,637. 8 Claims. (Cl. 188—88.)



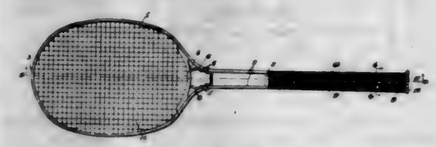
1. A shock absorber for automobiles comprising a cylinder, a valved piston therein having a piston rod, said cylinder having at one end a laterally-extending arm, a head secured to the end of the piston rod and provided with a laterally-extending arm, a stud extending horizontally from each arm, each stud having a ball-and-socket connection with its arm, and means for connecting one stud to the chassis of an automobile and the other stud to the axle thereof.

1,562,880. APPARATUS FOR REMOVING CHEMICALS FROM SOLIDS AND SEMISOLIDS. ANISE F. FRAME, South Charleston, W. Va. Filed Nov. 14, 1921. Serial No. 515,125. 1 Claim. (Cl. 203—6.)



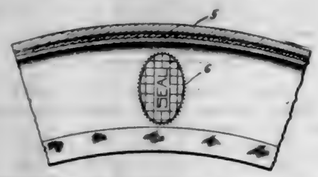
An apparatus of the class described, a stationary cylinder, a rotatable feed screw working in the lower portion of said cylinder and extending longitudinally thereof, a supporting structure for said cylinder, a feed hopper, a plurality of feed pipes connected to one another, one of said pipes receiving material from the hopper, another of said pipes serving to deliver the material to the upper end portion of the feed screw within said stationary cylinder, the first mentioned pipe connecting with the central portion of the second mentioned pipe, a spiral operating feed screw extending through said first mentioned pipe to provide for a constant feeding of the material to the second pipe, means for operating the last mentioned feed screw, a reciprocating feeding mechanism in the second mentioned pipe to cut off communication between the first and second mentioned pipes as the material is forced into said cylinder, and means for operating the reciprocating feeding mechanism.

1,562,881. TENNIS RACKET AND THE LIKE. FRANCIS WILLIAM GOWER, HUGH JAMES OWEN, and ROBERT JOHN NASH, Birmingham, England. Filed June 29, 1923. Serial No. 648,539. 6 Claims. (Cl. 273—73.)



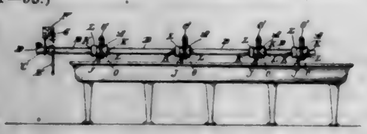
5. A tennis racket or the like, having in combination a frame and a handle formed from a single strip of solid section bar, having a central part of reduced section tapering from the ends, by bending said tapered strip to a bow formation and directing its extremities in parallel relation to constitute the handle, an arcuate spacing piece secured across the bow frame at its junction with the limbs of the handle, a wedge on said spacing piece, said wedge engaging said limbs and a wire striking face engaged with apertures in the frame and in the spacing piece.

1,562,882. ARTICLE GUARANTY. FREDERICK H. HAGNER, San Antonio, Tex. Filed June 12, 1924. Serial No. 719,672. 3 Claims. (Cl. 40—2.)




1. The process of marking tires consisting of forming indicia on the inside thereof in the soap stone coating usually found therein so that the indicia will be obliterated should the tire be run in a partially or totally uninflated position.

1,562,883. LIQUID-SOAP STORING AND DISPENSING APPARATUS. FREDERICK JOHN GEORGE HARDY, Norwalk, Conn., assignor to C. B. Dolge Company, Westport, Conn., a Corporation of Connecticut. Filed Mar. 9, 1920. Serial No. 364,498. 15 Claims. (Cl. 221—95.)



1. A liquid soap magazine comprising a sectional combined storage reservoir and supply duct, including a plurality of uniform sump sections each having an auto-

matic closing outlet, intermediate storage sections of lesser interior diameter than the interior diameter of the sump sections and constituting reservoirs and conductors of supply of liquid soap to the entire system, a filler section and a removable vented cap therefor, and means of support whereby said sections are held in horizontal position.

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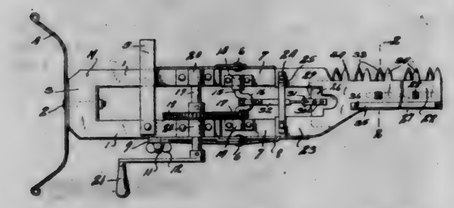
1,562,884. HEDGE TRIMMER. CHARLES HINES, South Richmond, Va. Filed May 26, 1925. Serial No. 33,024 4 Claims. (Cl. 30—11.)



1. A hedge trimmer comprising, in combination, a substantially U-shaped member, a body engaging yoke carried by the base portion of said member, arms pivotally connected with the arms of the U-shaped member, an outstanding plate carried by one of the first named arms and having an arcuate extension arm overlying an arm of the U-shaped member, coacting means carried by said arms of the U-shaped member and with the extension arms to hold the same in different selected adjustments, and a cutting mechanism carried by the second named arms.

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1,562,885. PROCESS OF PREPARING VISCOSE SOLUTIONS. ELIE S. HUMBOLDT, Oakland, Calif., assignor to The Pacific Lumber Company, San Francisco, Calif., a Corporation of Maine. Filed Nov. 26, 1923. Serial No. 677,179. 8 Claims. (Cl. 260—100.)

1. The process of preparing a viscose solution which includes ripening it by the application of heat, arresting the ripening by the application of a cold precipitating bath followed by redissolving the precipitate.

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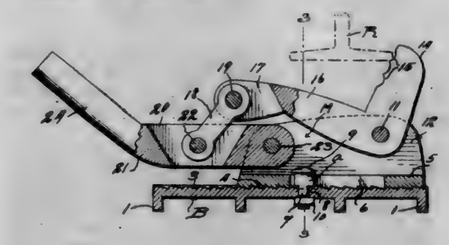
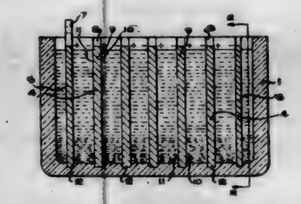
1,562,886. TRACK LINER. JOHN HUMPHREYS, Casper, Wyo. Filed July 23, 1925. Serial No. 45,637. 4 Claims. (Cl. 254—44.)



1. A rack liner comprising, in combination, a base plate provided with a rack on its upper surface, a channel member having its base wall provided with a teeth meshing with the rack of the base plate, said base wall of the member having a slot disposed in the same general direction as the rack of the base plate, a bolt disposed through the base plate and the slot of the member, the portion of the bolt within the slot being flattened to hold the member against turning movement about the bolt, a rail engaging lever pivotally supported by the member, and means for exerting pull upon said lever.

1,562,887. ELECTRIC STORAGE BATTERY. JOHN GRANT JACKSON, Chatham, Ontario, Canada. Filed Feb. 4, 1924. Serial No. 690,531. 1 Claim. (Cl. 136—10.)



In a multicellular electric storage battery, a single container of insulating material having a plurality of spaced apart slots in the side walls, the bottoms of the slots joined by slots in the bottom, a bipolar electrode plate inserted into each series of slots and sealed therein, said plate having positive and negative surfaces formed upon the opposed faces thereof and a conducting inactive substantially nonporous separating wall constituted between the positive and negative surfaces of the plate.

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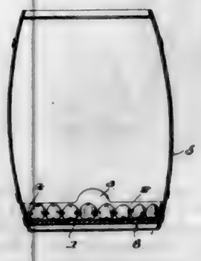
1,562,888. QUICK-PACING TRAY FOR FRUIT PACKING. JOHN TABB JANNEY, Martinsburg, W. Va. Filed July 5, 1923. Serial No. 649,647. 2 Claims. (Cl 217—8.)



1. A facing tray for packaging fruit comprising a bottom portion adapted to constitute the top cover end disk and a non-collapsible annular side wall extending from the periphery of said bottom portion and adapted to confine the facing fruit against lateral displacement and prevent crushing of the fruit against a container side wall, said bottom portion being separable from said side wall, the combined bottom and side wall providing a tray sufficiently rigid to support without collapsing the weight of the facing layers of fruit while the tray is packed, lowered into a container and constantly thereafter until the container is opened.

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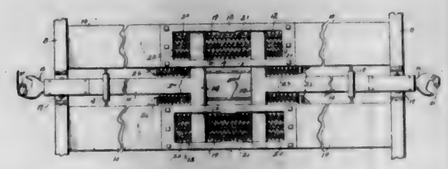
1,562,889. SPRING-CUSHIONED DRAWBAR AND DRAWHEAD FOR RAILWAY CARS. TOM J. JOHNS, Cleveland, Ohio, assignor of one-fourth to Cleotra Osako, Casper, Wyo. Filed Aug. 12, 1924. Serial No. 731,612. 3 Claims. (Cl. 213—44.)

1. In a railway car, longitudinally extending sills, each sill having a longitudinally extending opening therein defined by upper and lower longitudinally extending members having inwardly and downwardly projecting shoulders, these shoulders constituting bumpers, draw bars extending inward from opposite ends of the car and each draw bar having a cross head extending transversely of the car and into the openings in the sills and between said longitudinally extending members and being



guided thereby, the extremities of each cross head operating between a bumper and the adjacent end walls of the sill openings, springs disposed between the ends of each



cross head and the adjacent end wall of the sill, and springs disposed between both cross heads, said springs acting to yieldingly resist movement of the cross heads in either direction.

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1,562,890. ZIRCONIUM-OXIDE COMPLEX AND METHOD OF PRODUCING AND USING THE SAME. CHARLES J. KINZIE, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a Corporation of Maine. Filed Apr. 10, 1923. Serial No. 631,216. 14 Claims. (Cl. 106—38.2.)

1. The method of treating material composed preponderatingly of zirconia, but containing also undesired impurities which comprises mixing said material with a relatively small quantity of independently thereof covitrifiable ingredients, and heating the resulting charge until said impurities shall have been decomposed and eliminated therefrom.

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1,562,891. PROCESS FOR THE PRODUCTION OF POTASSIUM CARBONATE. HEINRICH KLOPSTOCK and WALTHER NEUMANN, Aussig-on-the-Elbe, Czechoslovakia. Filed July 21, 1924. Serial No. 727,347. 8 Claims. (Cl. 23—63.)

1. Process for the production of potassium carbonate of a desired degree of purity by treating a caustic potash solution of suitable strength with carbonic acid, according to which the carbonic acid treatment is incomplete so that a proportion of caustic potash, which is greater or less according to the degree of purity desired in the product, remains in solution in the mother-liquor, whereby impurities are to a certain extent retained, and the potassium carbonate is then separated in any suitable manner.

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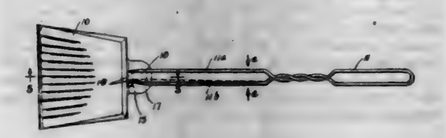
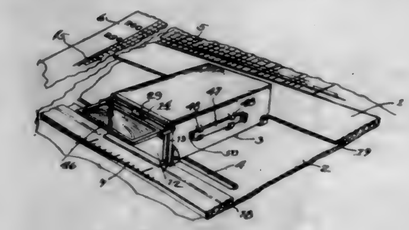
1,562,892. DUSTPAN. CONRAD W. KOEHTNER, Pearl City, Ill. Filed June 13, 1925. Serial No. 36,811. 3 Claims. (Cl. 65—20.)



1. In a dust pan, the combination with a carrier, of a handle having tiltable engagement therewith, a yoke mounted on the carrier to act as a guide and limit the tilting movement of said handle, and a locking catch formed in the yoke to govern the tilting movement aforesaid, said yoke extending rearward of the carrier, said handle being movable longitudinally of the yoke in course of tilting, said locking catch being arranged adjacent to said carrier, said handle comprising a pair of spaced arms for supporting the carrier, one of which is resiliently movable transversely of the yoke into engagement with said locking means.

1,562,893. RECORDING MECHANISM. CHARLES C. KRUSE, Modesto, Calif. Filed June 30, 1923. Serial No. 648,855. 11 Claims. (Cl. 101—93.)



1. In a device of the character described, the combination of a base plate adapted to be placed in a measured position upon a sheet to be printed, said plate having a slot therein, a plurality of types mounted above the base plate, means for bringing any desired combination of said types into alinement above the slot, and means for depressing the selected types to form an imprint on the sheet therebeneath.

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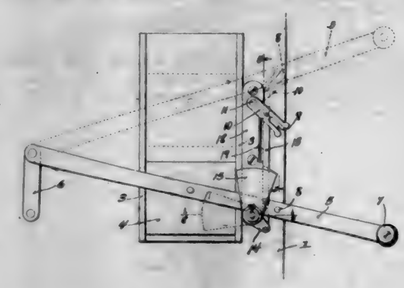
1,562,894. ICE-CREAM-SANDWICH MACHINE. ARTHUR C. LEICH and JESSE S. BERNER, Milwaukee, Wis. Filed Apr. 9, 1923. Serial No. 630,837. 1 Claim. (Cl. 107—1.)



An attachment for an ice cream sandwich machine having an open mouthed casing, said attachment comprising side guides adapted to be positioned upon opposite sides of the mouth of the casing, a knife carried in said side guide, a lever provided with a link at one end adapted for attachment to said machine, and pivoted intermediate its ends to said knife and adapted to raise and lower said knife, a side plate, a shutter pivoted adjacent the lower end of said side plate and adapted to occupy either a vertical or a horizontal position, said shutter when in its horizontal position being located in front of said open mouth, and shutter-operating mechanism normally disconnected from said lever and adapted to be engaged by said lever when said lever is in the upper portion of its stroke, said side plate having a cam adapted to lift said lever over said mechanism

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1,562,895. LOOP DOUBLER. WILLIAM L. LENGEL, Reading, Pa., assignor to The Nolde & Horst Co., Reading, Pa., a Corporation of Pennsylvania. Filed July 14, 1921. Serial No. 484,628. 6 Claims. (Cl. 66—32.)

1. In a loop doubler comprising a quill ring provided with a circular series of loop holding quill points and means for imparting determined rotative movements thereto; a picker carrier axially reciprocable toward

matic closing outlet, intermediate storage sections of lesser interior diameter than the interior diameter of the sump sections and constituting reservoirs and conductors of supply of liquid soap to the entire system, a filler section and a removable vented cap therefor, and means of support whereby said sections are held in horizontal position.

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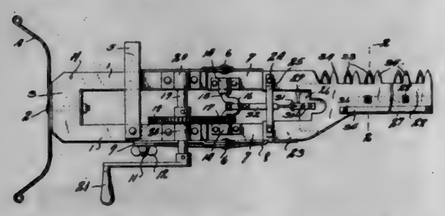
1,562,884. HEDGE TRIMMER. CHARLES HINES, South Richmond, Va. Filed May 26, 1925. Serial No. 33,024. 4 Claims. (Cl. 30—11.)



1. A hedge trimmer comprising, in combination, a substantially U-shaped member, a body engaging yoke carried by the base portion of said member, arms pivotally connected with the arms of the U-shaped member, an outstanding plate carried by one of the first named arms and having an arcuate extension arm overlying an arm of the U-shaped member, coacting means carried by said arms of the U-shaped member and with the extension arms to hold the same in different selected adjustments, and a cutting mechanism carried by the second named arms.

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1,562,885. PROCESS OF PREPARING VISCOSE SOLUTIONS. ELIE S. HUMBOLDT, Oakland, Calif., assignor to The Pacific Lumber Company, San Francisco, Calif., a Corporation of Maine. Filed Nov. 26, 1923. Serial No. 677,179. 8 Claims. (Cl. 260—100.)

1. The process of preparing a viscose solution which includes ripening it by the application of heat, arresting the ripening by the application of a cold precipitating bath followed by redissolving the precipitate.

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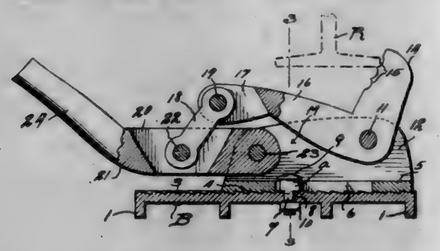
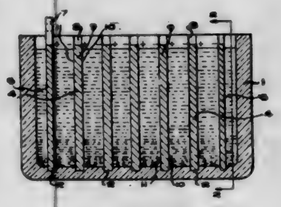
1,562,886. TRACK LINER. JOHN HUMPHREYS, Casper, Wyo. Filed July 23, 1925. Serial No. 45,637. 4 Claims. (Cl. 254—44.)



1. A track liner comprising, in combination, a base plate provided with a rack on its upper surface, a channel member having its base wall provided with a teeth meshing with the rack of the base plate, said base wall of the member having a slot disposed in the same general direction as the rack of the base plate, a bolt disposed through the base plate and the slot of the member, the portion of the bolt within the slot being flattened to hold the member against turning movement about the bolt, a rail engaging lever pivotally supported by the member, and means for exerting pull upon said lever.

1,562,887. ELECTRIC STORAGE BATTERY. JOHN GRANT JACKSON, Chatham, Ontario, Canada. Filed Feb. 4, 1924. Serial No. 690,531. 1 Claim. (Cl. 136—10.)



In a multicellular electric storage battery, a single container of insulating material having a plurality of spaced apart slots in the side walls, the bottoms of the slots joined by slots in the bottom, a bipolar electrode plate inserted into each series of slots and sealed therein, said plate having positive and negative surfaces formed upon the opposed faces thereof and a conducting inactive substantially nonporous separating wall constituted between the positive and negative surfaces of the plate.

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1,562,888. QUICK-FACING TRAY FOR FRUIT PACKING. JOHN TABB JANNEY, Martinsburg, W. Va. Filed July 5, 1923. Serial No. 649,647. 2 Claims. (Cl 217—8.)

1. A facing tray for packaging fruit comprising a bottom portion adapted to constitute the top cover end disk and a non-collapsible annular side wall extending from the periphery of said bottom portion and adapted to confine the facing fruit against lateral displacement and prevent crushing of the fruit against a container side wall, said bottom portion being separable from said side wall, the combined bottom and side wall providing a tray sufficiently rigid to support without collapsing the weight of the facing layers of fruit while the tray is packed, lowered into a container and constantly thereafter until the container is opened.

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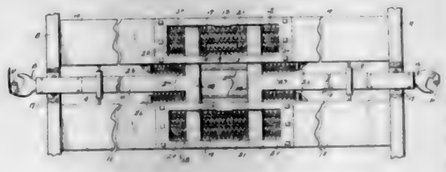
1. In a railway car, longitudinally extending sills, each sill having a longitudinally extending opening therein defined by upper and lower longitudinally extending members having inwardly and downwardly projecting shoulders, these shoulders constituting bumpers, draw bars extending inward from opposite ends of the car and each draw bar having a cross head extending transversely of the car and into the openings in the sills and between said longitudinally extending members and being



guided thereby, the extremities of each cross head operating between a bumper and the adjacent end walls of the sill openings, springs disposed between the ends of each



cross head and the adjacent end wall of the sill, and springs disposed between both cross heads, said springs acting to yieldingly resist movement of the cross heads in either direction.

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1. The method of treating material composed preponderatingly of zirconia, but containing also undesired impurities which comprises mixing said material with a relatively small quantity of independently thereof covitrifiable ingredients, and heating the resulting charge until said impurities shall have been decomposed and eliminated therefrom.

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1. Process for the production of potassium carbonate of a desired degree of purity by treating a caustic potash solution of suitable strength with carbonic acid, according to which the carbonic acid treatment is incomplete so that a proportion of caustic potash, which is greater or less according to the degree of purity desired in the product, remains in solution in the mother-liquor, whereby impurities are to a certain extent retained, and the potassium carbonate is then separated in any suitable manner.

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1,562,892. DUSTPAN. CONRAD W. KOERTNER, Pearl City, Ill. Filed June 13, 1925. Serial No. 36,811. 3 Claims. (Cl. 65—20.)

1. In a dust pan, the combination with a carrier, of a handle having tiltable engagement therewith, a yoke mounted on the carrier to act as a guide and limit the tilting movement of said handle, and a locking catch formed in the yoke to govern the tilting movement aforesaid, said yoke extending rearward of the carrier, said handle being movable longitudinally of the yoke in course of tilting, said locking catch being arranged adjacent to said carrier, said handle comprising a pair of spaced arms for supporting the carrier, one of which is resiliently movable transversely of the yoke into engagement with said locking means.

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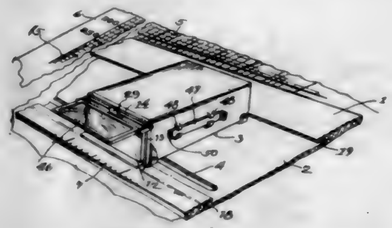

1. In a device of the character described, the combination of a base plate adapted to be placed in a measured position upon a sheet to be printed, said plate having a slot therein, a plurality of types mounted above the base pinte, means for bringing any desired combination of said types into alinement above the slot, and means for depressing the selected types to form an imprint on the sheet therebeneath.

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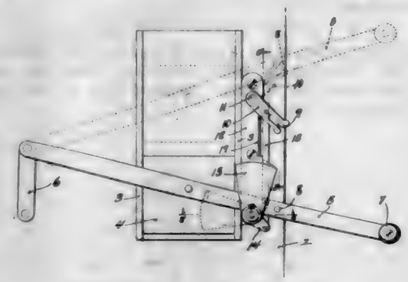

An attachment for an ice cream sandwich machine having an open mouthed casing, said attachment comprising side guides adapted to be positioned upon opposite sides of the mouth of the casing, a knife carried in said side guide, a lever provided with a link at one end adapted for attachment to said machine, and pivoted intermediate its ends to said knife and adapted to raise and lower said knife, a side plate, a shutter pivoted adjacent the lower end of said side plate and adapted to occupy either a vertical or a horizontal position, said shutter when in its horizontal position being located in front of said open mouth, and shutter-operating mechanism normally disconnected from said lever and adapted to be engaged by said lever when said lever is in the upper portion of its stroke, said side plate having a cam adapted to lift said lever over said mechanism

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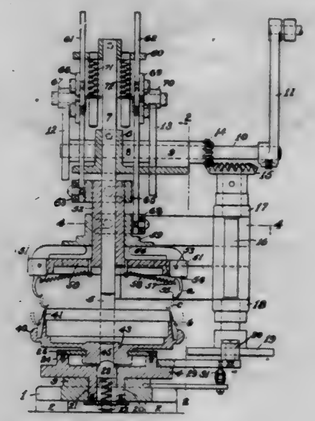
1,562,895. LOOP DOUBLER. WILLIAM L. LENGEL, Reading, Pa., assignor to The Nolde & Horst Co., Reading, Pa., a Corporation of Pennsylvania. Filed July 14, 1921. Serial No. 484,628. 6 Claims. (Cl. 66—32.)

1. In a loop doubler comprising a quill ring provided with a circular series of loop holding quill points and means for imparting determined rotative movements thereto; a picker carrier axially rtciprocable toward

and away from said ring and provided with a radially movable loop-transferring picker hook; and separate cam mechanism for respectively reciprocating said carrier



and positively actuating said hook to effect reverse loop-engaging swings of the latter in successive carrier reciprocations.

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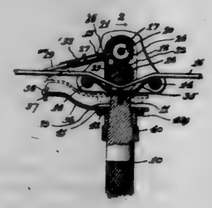
1,562,896. COMBINED SAFETY RAZOR AND STROPPER. WILLIAM H. LISH, York, Pa. Filed July 10, 1922, Serial No. 574,025. Renewed May 4, 1925. 2 Claims. (Cl. 30—12.)



1. In a safety razor of the oscillating-blade type, a swinging blade-holder, a frame for supporting the same, a handle connected to the frame, a guard-plate mounted on the handle and capable of sliding thereon toward and from said frame, means for causing this sliding action back and forth, said guard-plate being provided with hooks turned upwardly and inwardly to adapt them to engage and interlock with the edge of the blade in the holder and also with a supporting surface adapted to guide the edge of the blade into said hooks when the blade is pushed toward the frame into shaving position.

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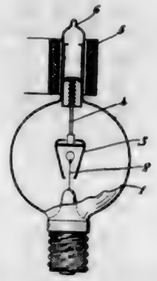
1,562,897. ELECTRIC INCANDESCENT LAMP FOR PERFORMING SIGNALS OR FLASH LIGHT. KARL GUSTAV LISSEL, Stockholm, Sweden, assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden, a Corporation. Filed Aug. 15, 1924. Serial No. 732,302. 3 Claims. (Cl. 176—14.)

1. In an incandescent lamp, the combination of an extension of the lamp bulb, a magnetic armature movable within said extension and capable of being acted on by a magnet or solenoid located outside the lamp bulb, means for limiting the movement of said armature, and a screen connected to said armature and having a



substantially cylindrical shape, said screen being movable in its axial direction so as to enclose and disclose the filament, respectively.

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1,562,898. WINDSHIELD CLEANER. BERNARD E. LITOT, Wilkinsburg, Pa. Filed Apr. 1, 1925. Serial No. 19,835. 5 Claims. (Cl. 15—253.)



1. A wind shield cleaner comprising a casing, an oscillating shaft journalled in the casing, a motor carried by the casing, gearing interposed between the motor and said shaft for oscillating the shaft including a pinion loosely journalled on the shaft, the bore of the pinion being provided with a slot, a key for engaging the slot to lock the pinion against rotative movement upon the shaft, means for actuating the said key, and a cleaning element operatively connected to the shaft.

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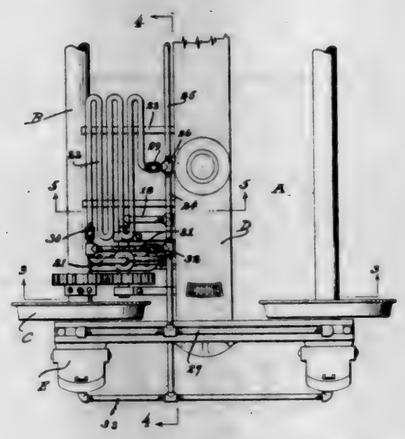
1,562,899. LUBRICATING SYSTEM FOR RAILWAY CARS. EDGAR L. LONG, Baltimore, Md. Filed Oct. 15, 1923. Serial No. 668,642. 2 Claims. (Cl. 184—7.)

1. The combination with the truck of a car including the axles and the journal boxes therefor; of a lubricating system associated therewith comprising a pump, a shaft extending transversely through said pump, a gear wheel mounted on the outer end thereof, an additional gear wheel mounted on one of said axles and adapted to mesh with said first mentioned gear wheel whereby said pump is driven simultaneously with the



rotation of said axles, an oil delivery pipe connecting said pump to the journal boxes, a cooling coil associated with said delivery pipe, a by-pass pipe associated



with said delivery pipe, valves for said coil and said by-pass pipe, and a return pipe between said journal boxes and said pump.

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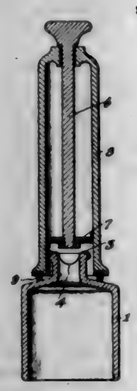
1,562,900. CUPPING APPARATUS. PAUL MAHIEU, Paris, France. Filed Nov. 3, 1921. Serial No. 512,470. 2 Claims. (Cl. 128—300.)



1. In a cupping device, a cupping vessel open at the bottom and having an open neck at the top, a flexible membrane over the neck opening adapted to be drawn partly into the neck under the influence of exterior atmospheric pressure and means outside of the area of contact of the membrane with the inside of the neck for permitting escape of air during the process of exhaustion.

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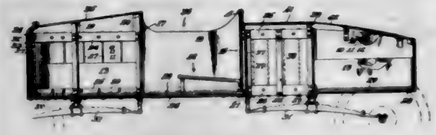
1,562,901. MOTOR ROAD VEHICLE. ARTHUR ROBERT MARKS, Strathfield, near Sydney, and WILLIAM ALEXANDER MOIR, Burwood, near Sydney, New South Wales, Australia. Filed Feb. 27, 1923. Serial No. 621,637. 4 Claims. (Cl. 296—31.)



1. In a vehicle of the character described, a body shell constructed of a continuous band of ply-wood laminæ, a bottom connected with the shell, a seat pit constructed of a continuous band of ply-wood laminæ arranged transversely and medially of the shell acting as a brace for the shell.

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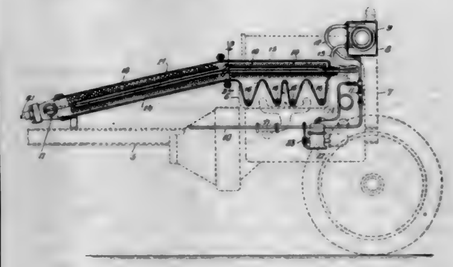
1,562,902. FUMIGATING APPARATUS. FLOYD J. METZGER, New York, N. Y., and JOSEPH D. NEULS, Los Angeles, Calif., assignors to California Cyanide Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Feb. 15, 1924. Serial No. 693,001. 14 Claims. (Cl. 43—125.)



1. In a fumigating apparatus the combination of a vehicle with an internal combustion engine to supply driving power therefor having an exhaust gas manifold and an extension thereof, heat exchangers in the manifold and extension, and means for delivering the medium to be vaporized successively to the heat exchangers in the extension and manifold whereby the maximum heating effect of the exhaust gases is utilized.

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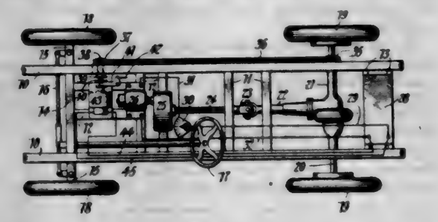
1,562,903. ELECTRICAL DRIVE FOR AUTOMOBILES. ADOLF MILLER, New York, N. Y. Filed June 16, 1924. Serial No. 720,175. 2 Claims. (Cl. 172—291.)



1. An electrical drive for automobiles comprising a battery, a motor carried on the automobile and directly geared with the rear axle thereof, a generator carried on the automobile, connections between the rear axle and said generator, and control means intervening in

said connections whereby the generator may be actuated when the automobile is moving down an incline and remain quiet at other times.

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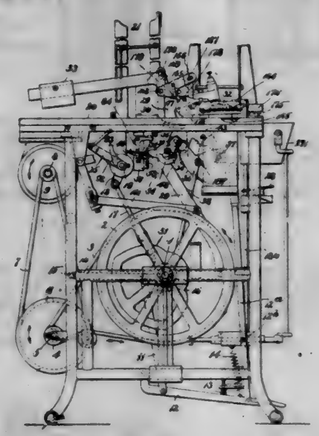
1,562,904. AUTOMATIC SELECTIVELY-OPERATED MECHANISM. FRANKLIN T. MILLER, Newton, Mass. Filed Jan. 26, 1925. Serial No. 4,809. 35 Claims. (Cl. 101—58.)



4. In an automatic selectively operating printing machine for use in connection with a plurality of control units having various individual physical characteristics, the combination of a printing member; a main drive shaft; actuating means for said member connected with said shaft; detecting means controlling the operation of said member by said actuating means and which is itself controlled by said units; means for presenting or feeding the units one at a time into position to be engaged by said detecting means, and means through which said shaft operates the detecting means independently of said actuating means to cause said detecting means to engage the units successively as they are presented to it so as to selectively control the actuation of said member according to the physical characteristics of said units.

5. In a machine of the character described the combination with a detector mechanism and means for operating the same, of a plurality of shuttles individually controlled by said detector mechanism; a plurality of levers each having one end thereof pivotally connected with one of said shuttles; a plurality of cams each cooperating with one of said levers intermediate its ends; means for operating said cams in timed relation to the operations of said detector mechanism; a spring connected with the opposite end of each lever so as to yieldingly urge the latter toward its cam, and a plurality of control members each connected with one of said shuttles.

19. In a machine of the character described, the combination of a printing member; means for operating said member; means for feeding stencil card control units one at a time into printing position; means through which said units automatically and selectively control the movements of said printing member according to the physical characteristics of said units; and means for feeding paper into printing position in timed relation with the movements of said member.

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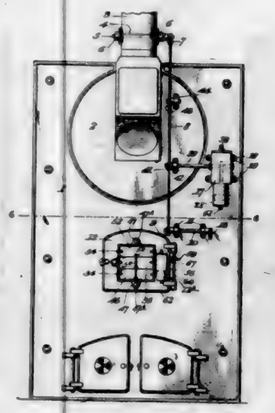
1,562,905. DOOR-OPERATED VALVE-CONTROLLED STACK DAMPER FOR FUEL-BURNING FURNACES. JOHN J. A. MILLER, Denver, Colo. Filed Dec. 7, 1922. Serial No. 605,468. 1 Claim. (Cl. 110—55.)

The combination with a furnace having a stack and a fire door, a rod pivotally mounted in the stack having a damper thereon, and a lever arm on one of its ends, a shaft on the furnace having a lever arm on one end and a rod connecting said lever arms; of a tappet on the other end of the shaft having an inclined edge terminating in a heel, said inclined edge being adapted to be engaged by the top edge of the door when the door is



opened, whereby the shaft is turned and the damper thereby opened, said tappet being turned by the door until its heel rests upon the edge of the door, whereby reverse movement of the mechanism is prevented while the door is open, and gravity means connected to the rod which connects the levers, whereby the damper is closed in a predetermined period after the door is closed.

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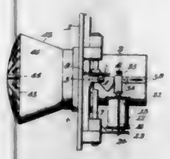
1,562,906. LIQUID-CONTROLLED GRAVITY VALVE FOR USE WITH FURNACE OXIDATORS AND MECHANISM FOR OPERATING THE SAME. JOHN J. A. MILLER, Denver, Colo., assignor to The Automatic Furnace Oxidator and Manufacturing Company, Denver, Colo., a Corporation of Colorado. Filed Jan. 15, 1923. Serial No. 612,790. 3 Claims. (Cl. 110—55.)



1. In an oil controlled gravity valve, an oil holding cylinder, a piston therein having a passage therethrough, a rod extending from said piston, a vertically adjustable stem extending through said rod and passage, a spring actuated valve slidably mounted on said stem below the entrance of said passage, to control the flow of oil through the same, a stop on said stem for defining the closing movement of said valve, means for raising the piston and rod, and means whereby said rod may be connected with a mechanism for moving the same.

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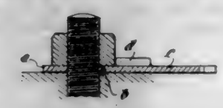
1,562,907. SAFETY LOCKING DEVICE FOR USE WITH BOLTS, NUTS, AND THE LIKE. MONTAGUE VIVIAN MORGAN, London, England. Filed Oct. 6, 1923. Serial No. 666,940. 2 Claims. (Cl. 151—2.)

1. A nut lock comprising a washer having an aperture to receive a bolt, a ball housed in a recess in said washer, projecting from one surface of the washer and also projecting into the said aperture, said washer also having a tongue-like foldable extension arranged to be



doubled over the washer and shaped at its outer end to conform to the side of the nut on said bolt and against which said doubled extension bears.

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1,562,908. DEVICE FOR ATTACHING CHAINS TO LIFTING GEAR HOOKS AND THE LIKE. HERBERT MORRIS and JOSEPH ALEXANDER BUTTERWORTH, Loughborough, England, assignors to Herbert Morris Incorporated, Buffalo, N. Y., a Corporation of New York. Filed Apr. 17, 1924. Serial No. 707,311. 2 Claims. (Cl. 59—85.)

2. A device of the character described comprising a bifurcated member formed with a curved seat located between and at the lower extremities of the branches of the bifurcation, the upper free extremities of said branches being curved at the inner side to conjointly provide a second seat extending in a direction at right angles to the first mentioned seat, and means for holding the end link of a chain to the first mentionel seat with the next link of the chain engaging the second mentioned seat.

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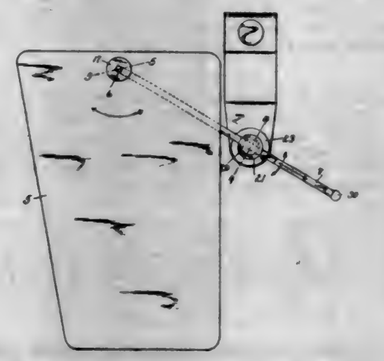
1,562,909. GLARESHIELD. GREGORY D. MORRISSEY, West Haven, Conn. Filed July 12, 1924. Serial No. 725,562. 1 Claim. (Cl. 296—97.)



A glare shield, comprising an angular sliding-bar threaded at one end, a flanged collar turned into said threaded end, a shield mounted on said collar, a spring-washer on each side of said shield, a nut applied to the end of the bar for producing friction upon the shield, a slotted post through which said sliding-bar extends, means for frictionally engaging the sliding-bar with the said post, a clamp with which said post is frictionally connected, and means for adjustably mounting the clamp.

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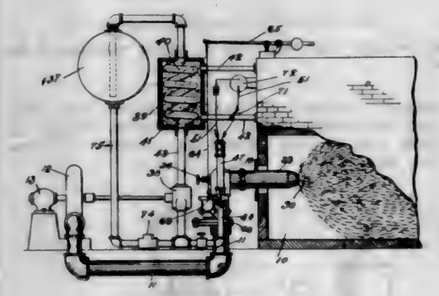
1,562,910. OIL BURNER. EDGAR L. NOCK, Edgewood, R. I. Filed July 17, 1924. Serial No. 726,645. 3 Claims. (Cl. 158—36.)



1. In a fuel feeding system having a fuel feeding conduit, a portion of which is helically formed, a casing surrounding said portion, a boiler, communicating means between the boiler and the casing, an auxiliary heating element within the conduit and means for controlling the heating element by the temperature of the boiler.

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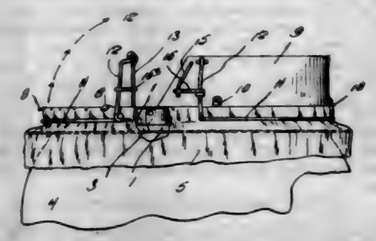
1,562,911. MILK STRAINER. GEORGE S. OTT, Exeland, Wis., assignor of one-third to Harry M. Bartlett, Exeland, Wis. Filed Apr. 11, 1925. Serial No. 22,418. 2 Claims. (Cl. 210—159.)



1. A strainer comprising a frame constructed to permit it to be placed upon the open top of a collection receptacle, said frame being made up of hingedly connected half-sections, a pair of clamping members adapted for disposition on the interior of the frame, said members being shaped to conform to said half sections, and clamping wires pivotally mounted upon said members and adapted to engage the exterior of said frame.

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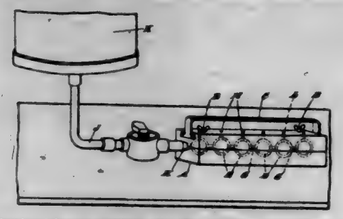
1,562,912. GOLF BALL AND METHOD OF MAKING THE SAME. ALBERT ERNEST PENFOLD, Birmingham, England, assignor to The Dunlop Rubber Company, Limited, Regents Park, London, England, a British Company. Filed Nov. 4, 1922. Serial No. 599,067. 6 Claims. (Cl. 18—55.)

1. The improvement in the method of forming the outer cover or shell of a golf ball having a rubber wound core,

comprising shaping a solution of gutta percha to form a covering for the core, and preventing the solvent in



such solution from acting on the rubber windings of the core.

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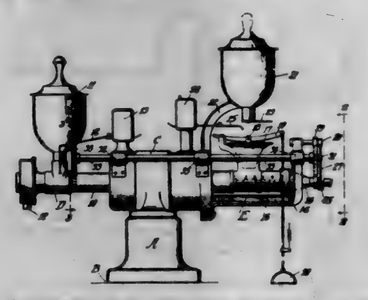
1,562,913. AUTOMATIC CANDY-MAKING AND PEANUT MACHINE. GEORGE FRANK PIERCE, Chicago, Ill. Filed Aug. 5, 1922. Serial No. 579,885. 2 Claims. (Cl. 107—14.)



2. A machine of the character described comprising, a motor and casing having a base, a mill secured to one end of the casing having a mixing feed worm connected to the end of the motor shaft and a tube at the mouth of the mill through which the mixed matter is forced into a continuous strip, a cutter shaft mounted on the side of the casing rotatably connected with the motor shaft at the other end of the casing, a bracket attached to the casing extending to the end of the mill tube and supporting the end of the cutter shaft, a cam mounted on the cutter shaft, a knife pivotally suspended at a point above the mill tube upon an extension of said bracket, a guide in which the lower end of the knife slidingly reciprocates, and a link extending from the cam to the knife to effect alternate rests and reciprocations of the knife past the tube to sever the strip into desired pieces.

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1,562,914. PROCESS FOR PRODUCING CARBON AND HYDROCYANIC ACID. ROBERT WADE POINDEXTER, Los Angeles, Calif., assignor, by mesne assignments, to California Cyanide Company, Inc., a Corporation of Delaware. Filed Dec. 4, 1922. Serial No. 604,794. 5 Claims. (Cl. 23—151.)

1. A process for the simultaneous production of carbon and hydrocyanic acid, which comprises mixing a hydrocarbon with ammonia and introducing the unheated mixture to an externally heated zone in which it is rapidly raised to the temperature of the reaction.

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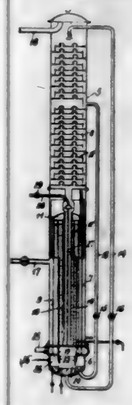
1,562,915. LIQUEFACTION OF GASES. CHARLES E. RECORDON, Elizabeth, N. J., and JOHN W. HILLE, Brooklyn, N. Y., assignors to Air Reduction Company, Incorporated, a Corporation of New York. Filed June 24, 1922. Serial No. 570,696. 10 Claims. (Cl. 62—122.)

1. In an apparatus for liquefying gaseous mixtures, a vaporizer comprising two sets of tubes, a casing surrounding the tubes and adapted to contain a refrigerating liquid, a header connecting the upper ends of the tubes, a body below the vaporizer including two chambers communicating with the lower ends of the respective sets of tubes and adapted to receive the liquid formed therein,



means for supplying the gaseous mixture to one of the chambers and partition forming a common wall between the chambers whereby contamination of the liquid in the other chamber is avoided, said partition being capable of longitudinal expansion and contraction and maintaining nevertheless a gas tight seal.

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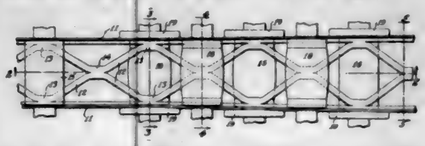
1,562,916. STRUCTURAL-ELEMENT MANUFACTURE. NORMAN C. RENDLEMAN, Dormont, Pa., assignor to Jones and Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 8, 1922. Serial No. 542,054. 10 Claims. (Cl. 104—6.6.)



1. In the manufacture of structural elements having continuous sides and angularly disposed web members connecting the sides, means for maintaining said sides in alinement and deflecting longitudinally separate portions of said web members out of the plane of alinement of said sides to pull them straight.

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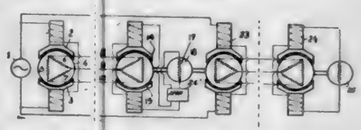
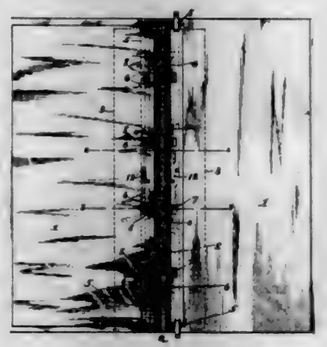
1,562,917. METHOD OF AND MEANS FOR INCREASING THE TURNING MOMENT IN INDICATING DEVICES. OSKAR RICHTER, Neumuhlen, near Kiel, Germany, assignor, to Anschütz & Co., Neumuhlen, near Kiel, Germany. Filed Mar. 11, 1925. Serial No. 14,846. 6 Claims. (Cl. 172—293.)



1. A device of the type described, comprising a stator, a rotor, windings for said rotor and stator, one of said windings having currents induced therein in accordance with the position of the rotor with respect to the stator; and a source of power inductively responsive to the said induced currents.



1,562,918. LOOSE-LEAF BOOK. ROBERT C. RUSSELL, Pittsburgh, Pa. Filed July 28, 1925. Serial No. 46,604. 9 Claims. (Cl. 129—24.)



1. In a loose leaf book, the combination with guide means, and cross links each having a perforated end portion, of a plurality of locking bars movable in the same guide means and provided with pins to engage the perforated end portions of said links, and means for locking said plurality of locking bars against relative movement in said guide means.

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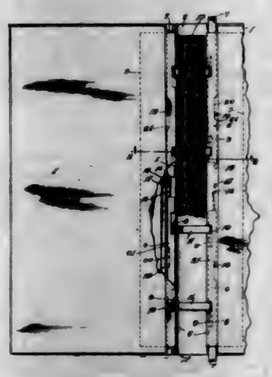
1,562,919. LOOSE-LEAF BOOK. ROBERT C. RUSSELL, Pittsburgh, Pa. Filed July 28, 1925. Serial No. 46,605. 4 Claims. (Cl. 129—24.)



1. In a loose leaf book, the combination with guide means and cross links, of locking bars movable in said guide means and provided with means to engage the cross links, one of said locking bars having a spring finger and the other locking bar having rigid engaging means for said spring finger, whereby the locking bars may be locked against endwise withdrawing or releasing movement, and means whereby the locking bars may be released from each other.

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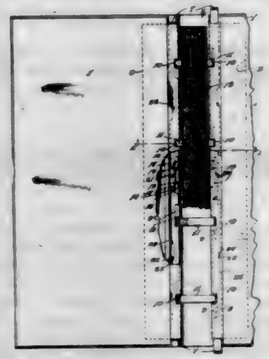
1,562,920. LOOSE-LEAF BOOK. ROBERT C. RUSSELL, Pittsburgh, Pa. Filed July 28, 1925. Serial No. 46,606. 2 Claims. (Cl. 129—124.)

1. In a loose leaf book, the combination with guide means, and cross links, of a plurality of locking bars movable in the same guide means and provided with means to engage said cross links, locking means within the guide means to engage the inner end portions of adjacent locking bars in the same guide means and



lock the said bars from endwise withdrawing or releasing movement, and means to disengage said locking means from the plurality of locking bars.

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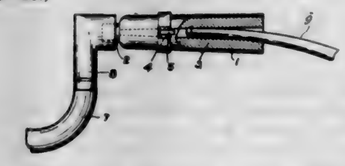
1,562,921. TOBACCO-PIPE CLEANER. JOHN HENRY SEWELL, Saskatoon, Saskatchewan, Canada. Filed Mar. 16, 1925. Serial No. 15,998. 6 Claims. (Cl. 131—18.)



1. A pipe cleaner comprising a tubular casing having a neck at one end, and a hollow insert of resilient material disposed in the interior of the casing.

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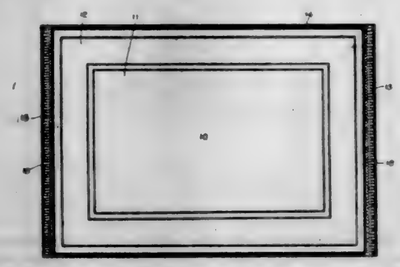
1,562,922. FLOOR COVERING. SAMUEL J. SIEGEL, New York, N. Y., assignor to J. B. Campbell Manufacturing Co., Salem, N. J., a Corporation of New Jersey. Filed Apr. 3, 1925. Serial No. 20,449. 2 Claims. (Cl. 41—17.)



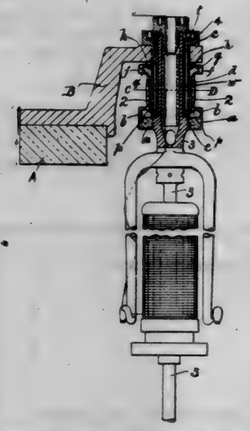
1. The process which comprises ornamenting floor covering of linoleum or the like to give the same the appearance of woven material by arranging the dominant unitary design in the form of disconnected design, predetermined markings spaced and shaped corresponding to a coarse weave fabric and interposing the intermediate spaces with contrasting background colors of the size and form corresponding to the apertures of a coarsely

woven fabric and applying background colors at the terminal portions at spaces interposed between contrasting portions of the unitary design to simulate a fringe and give depth to the same.

1,562,923. MEASURING DEVICE. JAMES G. SISSON, Athol, Mass. Filed May 15, 1922. Serial No. 560,993. 1 Claim. (Cl. 33—178.)

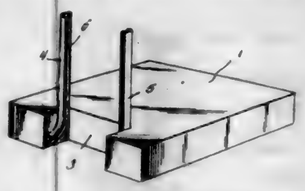
In a device of the character described, a tubular member, a head mounted on one end of said member, a shaft mounted in said tubular member, a cone arranged in said head and having its apex secured to said shaft, said head being provided with oppositely disposed threaded openings, bushings mounted in said openings, one of said bushings being provided with a threaded opening, a removable sizing rod arranged therein, the other of said bushings being provided with an opening, a plunger arranged therein and engaging said cone, a collar formed on said plunger adjacent said inner end, a spring surrounding said plunger and engaging said collar to oppose outward movement of said plunger, an interiorly threaded member arranged in the oposite end of said tubular member, said shaft being provided with a threaded portion engaging the threads of said member, and a cap carried by said shaft and arranged over the end of said interiorly threaded member, said threaded member and said cap being provided with indicia to permit calculation of the movement of said shaft and consequent projection of said plunger.

1,562,924. BEARING FOR THE SPINDLES OF FLIER SPINNING, DOUBLING, TWISTING, AND LIKE MACHINES. ALFRED STELL, Keighley, England. Filed Apr. 22, 1925. Serial No. 25,076. 2 Claims. (Cl. 118—57.)



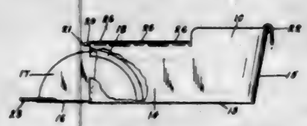
1. The combination with the spindle of a spinning or similar machine, of a wharle fixed upon the spindle and provided with an interior annular lubricant receiving cavity, the upper surface of which is inclined downward toward the spindle receiving bore, and a relatively stationary supporting sleeve surrounding the spindle and extending into said cavity in the wharle, said sleeve having a recess at its upper end and being provided with a plurality of ducts that extend from said recess through the end of the sleeve within the cavity in the wharle, for the purpose described.

1,562,925. DEVICE FOR BUNDLING LOOSE LEAVES. FRANK STREMER, Athens, Wis. Filed Oct. 22, 1924. Serial No. 745,222. 1 Claim. (Cl. 129—22.)



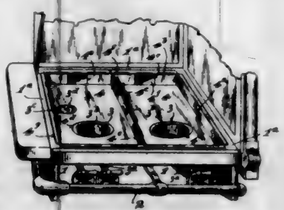
A device of the class described comprising a base provided at one end with a notch, and a pair of loose leaf receiving posts having outwardly and downwardly curved lower ends fastened to the opposed side walls of the notch and having their upper and intermediate portions disposed vertically and extending above the top of the base, said posts being of hollow form and provided in their opposed faces with the wire receiving slots.

1,562,926. ASH PAN. OLE SIVERTSEN, Jamestown, N. Y., assignor of one-half to Herbert Chiverton, Jamestown, N. Y. Filed May 26, 1923. Serial No. 641,741. 3 Claims. (Cl. 126—243.)



1. An ash pan adapted to be installed in the ash pit of a furnace to receive the ashes dropping through the grate and having a hinged front wall adapted to lie normally on the floor of the pit and permit the free passage of draft, said wall being raised when the ash pan is to be removed from the pit, and thus prevent the escape of ashes therefrom.

1,562,927. STOVE STRUCTURE. THOMAS E. TAYLOR, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a Corporation of Ohio. Filed Jan. 15, 1925. Serial No. 2,505. 12 Claims. (Cl. 126—39.)

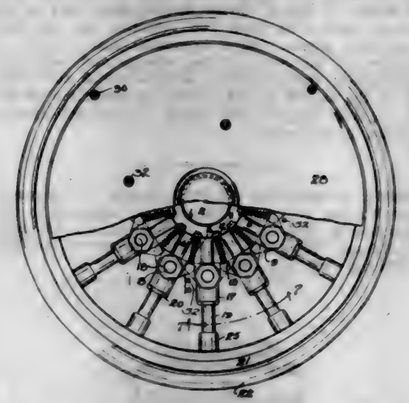


1. A gas range, including in combination, a burner box provided with a pair of heat generating chambers terminating at their rear in a transversely extending flue, a closed cooking top covering said chambers, burners mounted in the forward ends of said chambers, and means for supplying secondary air solely to the base portions of said burners.

1,562,928. WHEEL. CLAUDE A. TOWE, Detroit, Mich. Filed Aug. 11, 1924. Serial No. 731,301. 6 Claims. (Cl. 152—47.)

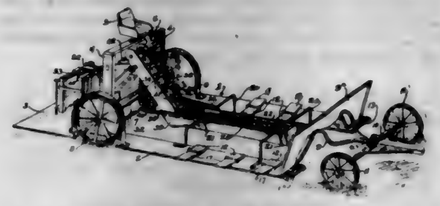
3. A wheel comprising a hub having studs radiating therefrom, fulcrum blocks having holes in which said studs terminate, arranged in their inner faces, inner members extending outwardly from said hub and having said fulcrum blocks pivotally mounted thereon at





right angles to the radial direction of said members, and springs around said studs, in combination with outer members attached to said blocks and a rim.

1,562,929. POTATO-HANDLING DEVICE. ANDREW TROVATON, Thief River Falls, Minn. Filed May 9, 1923. Serial No. 637,760. 14 Claims. (Cl. 130—32.)



1. In a potato handling device, a wheeled vehicle having side platforms located close to the ground and adapted to straddle a row, said platforms being provided with padded members on which the pickers may kneel, each padded member having an outward extension which is adjustable to upright position to form a back when the padded member is used as a seat, a substantially horizontal conveyer supported midway between the platforms and spaced therefrom, and means for handling vegetables as they are delivered from the conveyer.

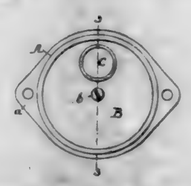
1,562,930. GUIDE FOR SEWING MACHINES. WALTER D. TURNER, Waco, Tex. Filed May 23, 1923. Serial No. 640,914. 8 Claims. (Cl. 112—139.)

1. A guide for use in forming seams comprising oppositely directed under and over plies, comprising a member S-shaped in cross section providing oppositely directed ply edge receiving channels, and a resilient element projecting into one of said channels and abutting one wall thereof in spaced relation to the base of the channel.

1,562,931. SHEARS. JOHN B. TITUS, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed Oct. 11, 1923. Serial No. 667,827. 5 Claims. (Cl. 164—49.)

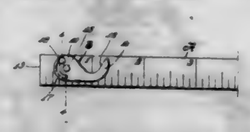
1. A shears for trimming the ends of metal sheets comprising a pair of housings adjustable with relation to each other, and having shear blades therein, a table to support a sheet between said housings, a gauge secured to the two housings, and calibrated to indicate the spacing between the shear blades of the two housings, and means for setting into operation the shear blades of both housings, said means comprising a common control member.

1,562,932. MOUNTING FOR THERMOSTATIC ELEMENTS. CHARLES BELL WALKER, Moseley, England. Filed Oct. 7, 1924. Serial No. 742,154. 2 Claims. (Cl. 200—139.)



1. A mounting for thermostatic circuit closing elements comprising a support, an insulator mounted upon said support, a hollow cylinder mounted on the insulator and having the end remote from the insulator recessed to provide spaced supporting points, an adjusting bolt passing through the support, insulator and cylinder, a thermostatic element having one end mounted on the adjusting bolt and supported on each side of said bolt by the spaced supporting points of the cylinder, and an adjusting nut on said bolt for pressing the portion of the thermostat between the supporting points into the recess of the thermostatic element.

1,562,933. MEASURING RULE. HENRY S. WALTER and CHRISTIAN BODMER, New Britain, Conn., assignors to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed May 29, 1925. Serial No. 33,785. 2 Claims. (Cl. 33—137.)



1. The combination with a measuring rule of a member pivoted to one side of said rule and having a finger provided with an edge in alinement with the end edge of said rule when said member is in operative position, said member having an arcuate slot, a pin pivotally connecting said member to said rule, and a pin carried by said rule and engaging in said slot for limiting the extent of pivotal movement of said member in each direction.

1,562,934. VALVE-SPRING LIFTER. ARTHUR J. WALTON, Takoma Park, D. C. Filed Mar. 31, 1925. Serial No. 19,673. 4 Claims. (Cl. 29—86.3.)

2. In valve spring lifters, a plate having a series of valve stem receiving slots along one edge, and a pair of

valve-cover-screw receiving slots along the same edge, an operating handle having provision to engage the opposite edge of said plate for the purpose of rocking the

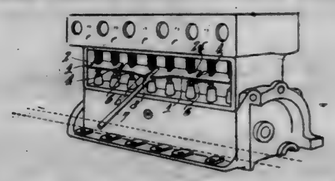


plate on said screws, said handle being movable laterally parallel to the plane of the plate as on a pivot for the purposes described.

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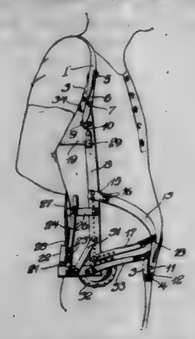
1,562,935. SURGICAL BRACE. ALLEN HAMMOND WHISNER, Greensboro, N. C. Filed Apr. 18, 1923. Serial No. 632,868. 10 Claims. (Cl. 128—78.)



1. In a surgical brace, means for affording three fulcra on the anterior surface of the body, one in front of each shoulder and one upon the pubic bone, means for gripping the dorsal section and for gripping the dorsal spine.

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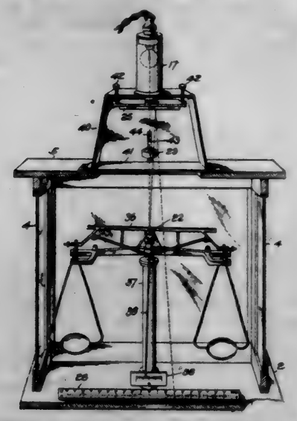
1,562,936. WEIGHING INSTRUMENT. ALFRED W. AINSWORTH, Denver, Colo. Filed Dec. 22, 1920. Serial No. 432,484. 3 Claims. (Cl. 265—54.)



1. The combination with a balance including a fulcrumed scale beam, of a source of light located above the center of the scale beam and having means for producing a vertical transversely linear beam of light, a mirror on the front of the scale beam at the center thereof in the path of the said beam of light, a lens interposed between the said mirror and the source of light to focus the transversely linear light beam onto said mirror, a second mirror located above and in advance of said scale beam and reflecting the reflection of the first mirror, and a graduated scale located at the front of the bases of the balance and positioned longitudinally thereof in the path in which the reflection of the second mirror travels by deflection of the scale beam to indicate the extent of said deflection in magnified measurement.

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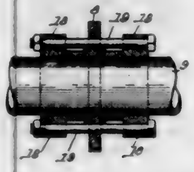
1,562,937. SPROCKET WHEEL. ELMER O. BEARDSLEY and WALTER F. PIPER, Chicago, Ill., assignors to The Beardsley & Piper Company, Chicago, Ill., a Corporation of Illinois. Filed July 21, 1923. Serial No. 652,890. 4 Claims. (Cl. 287—52.)



4. The combination of a sprocket ring formed of sections, a pair of collars provided with means for securing them to a shaft, bolts extending longitudinally through the collars and the ring to secure them together, driving lugs between the collars and the sides of the ring, and bevelled interlocking means between the collars and the ring sections to hold the latter on the shaft and against radial movement relatively thereto.

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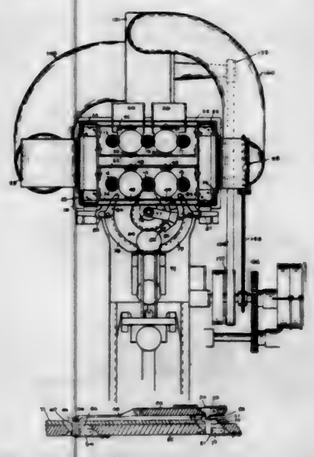
1,562,938. CAN-END DRIER. DAVID LOGAN BISSET, Montreal, Quebec, Canada, assignor to A. R. Whittal Can Company, Limited, Montreal, Quebec, Canada. Filed July 9, 1924. Serial No. 725,028. 30 Claims. (Cl. 34—11.)



1. In a can end drier, a plurality of rotatable screw shafts having elevating and lowering threads adapted to raise the can ends from the feed and lower them to the delivery, and gear connections from shaft to shaft,



means for transferring the can ends at the upper end, a casing enclosing said screw shafts, means for driving said screw shafts, means for heating the interior of said casing and a feed mechanism introducing the can ends between the threads on the screw shafts.

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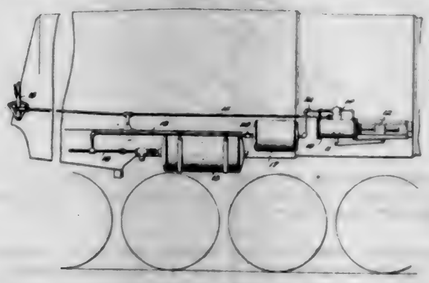
1,562,939. LOCOMOTIVE POWER REVERSE GEAR. ROBERT C. BURNS, Altoona, Pa. Filed May 28, 1923. Serial No. 642,055. 4 Claims. (Cl. 303—85.)



1. In combination, a pressure fluid motor for operating the power reverse gear mechanism of a locomotive, a compressed air system mounted on the locomotive, an auxiliary air reservoir adapted to receive and hold a reserve supply of compressed air to operate said motor in case of failure of the air system, a conduit for supplying compressed air from said system to said reservoir, means for preventing escape of the compressed air from said reservoir through said conduit upon drop of pressure in the inter, and a second conduit for supplying compressed air from said reservoir to said motor.

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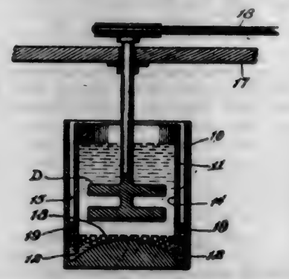
1,562,940. PRODUCTION OF SILICIC ACID. NEWELL L. COLLINS, Clarinda, Iowa. Filed Mar. 27, 1924. Serial No. 702,364. 5 Claims. (Cl. 204—9.)



1. A process of producing pure silicic acid consisting in electrolyzing an aqueous solution of water glass between an anode and a mercury cathode and continuously agitating the anode.

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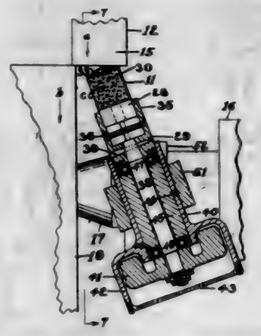
1,562,941. ABRADING PENCIL. EDWARD R. CONNERS, Cincinnati, Ohio, assignor to The Precision Truing Machine and Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 6, 1921, Serial No. 498,732. Renewed Oct. 16, 1925. 4 Claims. (Cl. 125—37.)

1. An abrading pencil having a short body of extreme hardness provided with an exposed cylindrical outer periphery and an axial bore, said cylindrical outer periphery and said bore being concentric, and a short band of softer material cast about the end of said short body and having a cylindrical outer periphery concentric with said first-named cylindrical outer periphery, said short band of softer material being of substantially less length than the length of said exposed cylindrical outer



periphery, and constructed and arranged for having a chuck provided with jaws concentric about said band in axial alinement with a shaft to which said chuck is secured.

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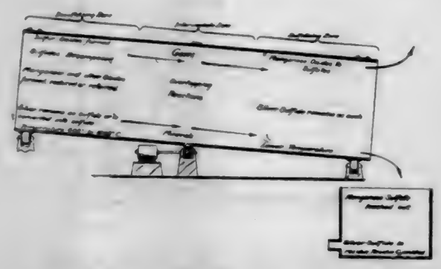
1,562,942. PROCESS FOR TREATING MANGANESE-SILVER ORES. MELVILLE F. COOLBAUGH and JOHN BURNS READ, Golden, Colo., assignors to The Complex Ores Recoveries Company, Denver, Colo., a Corporation of Colorado. Filed Mar. 4, 1922. Serial No. 541,079. 15 Claims. (Cl. 75—18.)



1. A process of treating ores containing silver, manganese and sulfides, comprising treating the ores at a temperature and for such a length of time as will insure roasting of sulfides other than silver sulfide and at the same time prevent a dead roast so as to insure retention of silver sulfide, advancing the minerals and liberated gases together in the same direction, and lowering the temperature below the decomposition temperature of manganese sulfate for the action of sulfur gases on the manganese mineral to form manganese sulfate.

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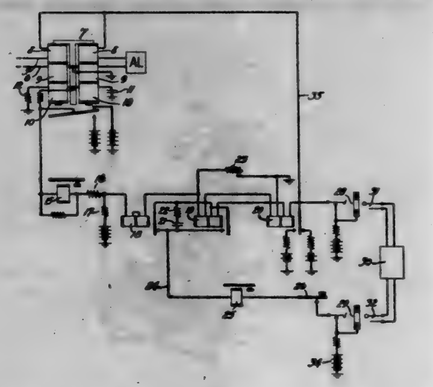
1,562,943. TELEGRAPH SYSTEM. GEORGE C. CUMMINGS, Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1924. Serial No. 723,148. 7 Claims. (Cl. 178—58.)

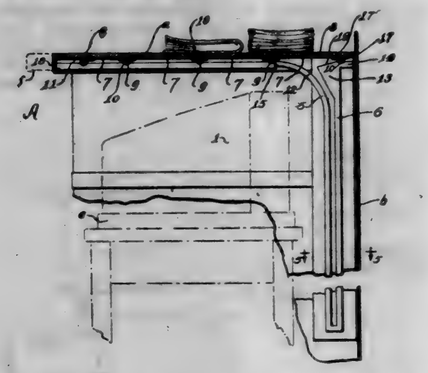
1. In a telegraph system, a metallic circuit, a local circuit, signal responsive means connected in said metallic circuit for impressing on said local circuit positive

and negative impulses, a loop circuit, means included in said local circuit for repeating to the loop circuit open and closed circuit conditions in accordance with



the positive and negative current impulses impressed on said local circuit by said signal responsive means, and a sending relay in said local circuit.

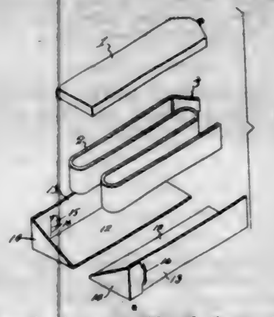
1,562,944. COUNTER. JAMES L. DAVIDSON, Los Angeles, Calif. Filed Dec. 21, 1921. Serial No. 523,995. 5 Claims. (Cl. 45—92.)



5. A store counter comprising relatively fixed top portions and an intermediate disappearing top portion, said disappearing top portion comprising a plurality of hingedly connected slab members, means in the plane of the fixed top sections forming a guideway coextensive with the width thereof, guide forming means disposed at an angle to said horizontal guideway and communicating therewith between the ends thereof, and a deflector located at the junction of said guideways and adapted to direct one edge portion of said disappearing top into the adjacent end of the horizontal guideway, whereby said sections may be moved from the upright guideway into the horizontal guideway and then be shifted rearwardly across the upright guideway to provide a full width top portion.

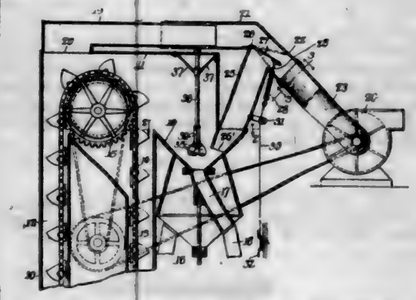
1,562,945. METHOD OF MAKING DRY BATTERIES. CYRIL P. DEIBEL, Youngstown, Ohio, assignor to The Twin Dry Cell Battery Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 12, 1923. Serial No. 612,232. 8 Claims. (Cl. 136—175.)

1. The method of forming a battery cell which consists in the steps of first compressing a quantity of battery mix with an anode in an open sided container, second placing a cathode in contact with the compressed mix



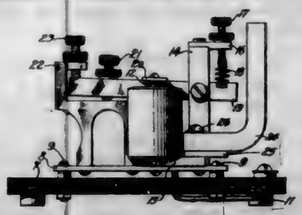
exposed through the open side of the container, and third compressing the cell thus formed and by the same operation inserting said cell into a permanent carton.

1,562,946. DEVICE FOR REMOVING DUST FROM GRAIN ELEVATORS. ROY L. DOWDALL, Oberlin, Kans., assignor, by mesne assignments, of one-half to J. F. Martin, Oberlin, Kans. Filed Aug. 7, 1924. Serial No. 730,573. 11 Claims. (Cl. 130—17.)



1. In an apparatus of the character described, the combination with the head and leg of a grain elevator, a bucket conveyor therein, and a hopper into which the grain is discharged from the conveyor buckets, of a suction fan, a pipe communicating at one end directly with the top wall of the elevator head and at its other end with the suction side of said fan, and another pipe communicating at one end directly with said hopper and at its other end with the suction side of said fan.

1,562,947. ELECTROMAGNETIC DEVICE. AUGUSTUS J. EAVES, Ossining, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 21, 1923. Serial No. 633,629. 3 Claims. (Cl. 178—98.)



1. In a polarized sounder, a base, an electro-magnet carried by said base having cores with pole-pieces secured thereto, a permanent magnet secured to the pole-

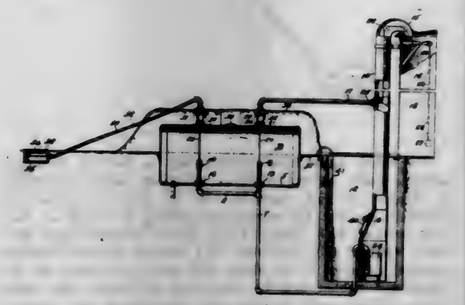


pieces, and a non-magnetic spacer interposed between said permanent magnet and pole-pieces for maintaining a uniform high reluctance path between it and the pole-pieces of the electromagnet.

1,562,948. PAINT SHIELD. ROBERT ELLIOTT, New Haven, Conn., assignor of one-half to Thomas M. Binks, New Haven, Conn. Filed June 9, 1925. Serial No. 35,877. 1 Claim. (Cl. 91—65.)

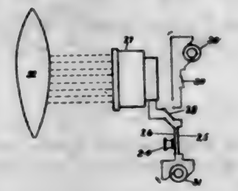
A paint shield, comprising a pair of inner plates, each provided with a spring-finger, a pair of outer plates, each formed with teeth in line with said springs and adapted, when the said plates overlap, to be held in position by the engagement of the springs with said teeth.

1,562,949. FIRE-EXTINGUISHING APPARATUS. ORLANDO R. ERWIN, Forest Hills, N. Y., assignor to Foamite-Childs Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 20, 1920, Serial No. 431,923. Renewed Nov. 23, 1923. 10 Claims. (Cl. 169—4.)



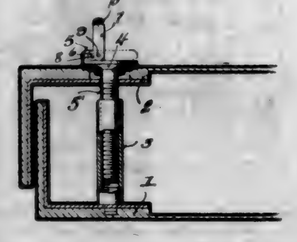
1. A fire extinguishing apparatus in which component solutions are adapted to be separately stored and to be commixed in the event of fire to produce a fire extinguishing foam, a mixing chamber, a tank holding an acid solution located in said mixing chamber, a tank holding a basic solution located above said acid solution tank, a duct connecting the said tanks openable in time of fire to permit the basic solution to feed into the acid tank to commix with the acid therein to produce the fire extinguishing foam in said mixing chamber, and equalizing means connecting the mixing chamber and the second mentioned tank.

1,562,950. SIGNALING BY ULTRA-AUDIBLE SOUND WAVES. REGINALD A. FESSENDEN, Brookline, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed Dec. 14, 1918. Serial No. 266,711. 12 Claims. (Cl. 177—386.)



1. In a system of signaling by high frequency sound vibrations the method of producing a beam of sound by generating ultra-audible sound vibrations by the motion of a surface having a large ratio of the diameter of the surface to the wave length of said sound vibrations at an ultra-audible frequency and having all of said surface vibrating in substantially the same phase.

1,562,951. SCREW FOR LOOSE-LEAF BINDERS. CHARLES FRANZ, Jr., Milwaukee, Wis., assignor to The Heinn Company, Milwaukee, Wis. Filed Sept. 17, 1923. Serial No. 663,179. 3 Claims. (Cl. 129—13.)

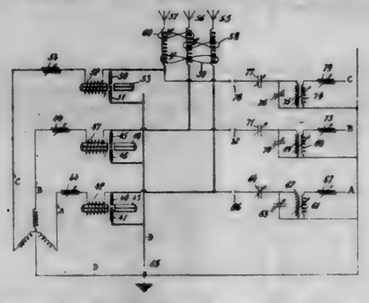


1. A screw provided with a threaded shank and having a two part head, one of the parts of said head consisting of a disk integral with said screw and having a flat face, the other part of said head consisting of a movable disk having a flat face normally contacting with the first mentioned flat face, said disks being pivoted together and the said flat faces extending to the periphery of said head.

1,562,952. ARC CONVERTER. LEONARD F. FULLER, Palo Alto, Calif., and GEORGE C. SWEET, Waterloo, N. Y., assignors, by mesne assignments, to Wireless Improvement Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 16, 1921. Serial No. 452,789. 2 Claims. (Cl. 250—17.)

1. An arc signaling system comprising a source of polyphase alternating current, a plurality of arcs each operable on one phase of said source individually, means for producing a plurality of magnetic fields each of said fields being associated with one of said arcs and adapted to be energized by the current feeding its associated arcs, each of said arcs being subjected to the action of

its associated magnetic field, a plurality of antennæ each individually and operatively associated with one of said arcs, said antennæ being adapted to cooperate in the



transmission of high frequency signals, and means for producing spark discharges across the arc-gaps for igniting said arcs.

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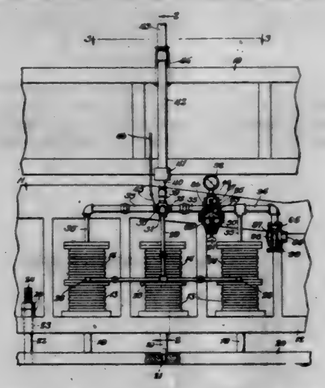
1,562,953. BLANK HOLDER. RUDOLPH W. GLASNER and OLOF G. NILSON, Chicago, Ill., assignors to Marquette Tool & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 18, 1922. Serial No. 537,392. 7 Claims. (Cl. 113—46.)



1. A mechanically operated sheet metal drawing press embodying a reciprocating member, and means whereby the member will operate to draw a shell of a depth substantially equal to the full operation stroke of the press, the said means embodying a fluid pressure blank holding means joined with the reciprocating member for unitary reciprocation and operable upon the top side of the work, and means for controlling the fluid pressure upon the blank holding means.

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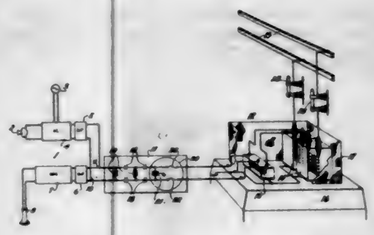
1,562,954. FLEXIBLE HOSE. HOWARD W. GOODALL, Aldan, Pa. Filed May 4, 1923. Serial No. 636,527. 6 Claims. (Cl. 137—30.)

1. Flexible hose having a duck and rubber wall and internally provided throughout its length with spaced immovable coupling elements available for repair use by cutting off ruptured portions of the wall of the hose, substantially as described,

1,562,955. POWER LINE SIGNALING. ALFRED M. GRANICH, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 7, 1924. Serial No. 704,586. 4 Claims. (Cl. 179—2.)



1. In combination, a power transmission line, a signal translating system, and a broad band wave filter connected between said translating system and said power line, said filter comprising two groups of elements, said groups being physically separated, one of said groups comprising elements adapted to low voltages of signal communication and the other of said groups including terminal elements adapted to the voltages of said power line, and said other group being enclosed within a protective compartment.

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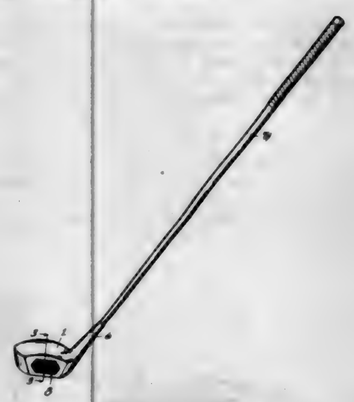
1,562,956. GOLF-CLUB HEAD. ALFRED A. GUERNE, Kalamazoo, Mich. Filed Mar. 23, 1925. Serial No. 17,589. 10 Claims. (Cl. 273—77.)



1. A golf club head comprising a hollow integral metallic body having integral partition walls providing an impact member chamber, and an impact member of porcelain having rearwardly projecting portions at the ends thereof with curved faces seated directly upon the inner wall of said chamber, said impact member having external grooves in its sides and ends and being set in vulcanized rubber which surrounds the sides and ends thereof filling said grooves and supporting the impact member with its sides and ends out of contact with the walls of the chamber.

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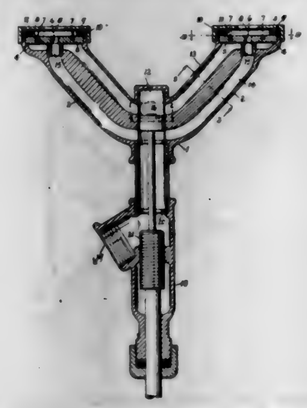
1,562,957. SPRAY NOZZLE. WILLIAM L. HAMILTON, Bangor, Mich. Filed June 15, 1925. Serial No. 37,201. 4 Claims. (Cl. 299—144.)

4. A sprayer comprising a body member provided with a variable spray nozzle head and having a piston valve



chamber therein and a plurality of nozzle passages opening thereto in spaced relation, and a piston valve



adjustable in said valve chamber to close either of said passages or to simultaneously open both of the passages, said valve having a longitudinal passage therein.

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1,562,958. ALLOY. CHARLES E. HANSEN, Providence, R. I. Filed Apr. 6, 1922. Serial No. 550,197. 4 Claims. (Cl. 75—1.)

1. A metal alloy containing more than fifty per cent gold, nickel and iron each in substantial amounts, and manganese or magnesium in an amount substantially less than the iron and nickel but sufficient to increase the tensile strength and workability of the substance.

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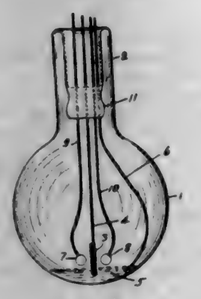
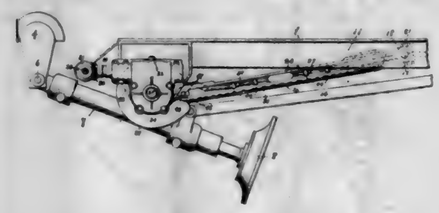
1,562,959. ELECTRIC-ARC DEVICE. ERTLE LESLIE HARRINGTON, Saskatoon, Saskatchewan, Canada, assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 22, 1921. Serial No. 454,387. 15 Claims. (Cl. 176—45.)



1. An electric arc device comprising a sealed envelope containing a gas inert with respect to the operating elements of the device and of such pressure as to stabilize the arc, an anode, an incandescible starting cathode, a vaporizable operating cathode, a stem for said device and an independent electrical connection for each of said electrodes sealed through said stem in a single press, the circuit to said incandescible cathode being completed through and dependent upon the vaporizable cathode.

1,562,960. TRAILER SUPPORT. ERNEST F. HARTWICK, Detroit, Mich., assignor to Detroit Trailer Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 10, 1923. Serial No. 661,749. 6 Claims. (Cl. 280—33.1.)



1. In a trailer support, the combination of a pair of legs pivoted at their upper ends so as to be adapted to swing up towards the frame of the trailer, a carriage slidable longitudinally of the trailer and guides therefor, means connecting the legs to the carriage, a shaft extending transversely of the trailer and means to rotate the shaft in either direction, a pulley on the shaft, a link connecting to the carriage and resting on the pulley, and a flexible connection between the pulley and link.

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1,562,961. DIRECTIVE RADIO TRANSMISSION SYSTEM. RAYMOND A. HEISING, Milburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 16, 1921. Serial No. 470,042. 22 Claims. (Cl. 250—11.)

1. A method for directive radio transmission, utilizing a source of carrier waves and a linear radiating conductor connected therewith, which comprises the steps of radiating a portion of the waves from said source into space, transmitting another portion of said waves along the conductor, absorbing a portion of the energy thus transmitted at points in the conductor, radiating the absorbed energy from said points and preventing reflection of the unabsorbed transmitted waves at the remote terminal.

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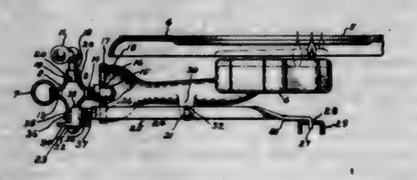
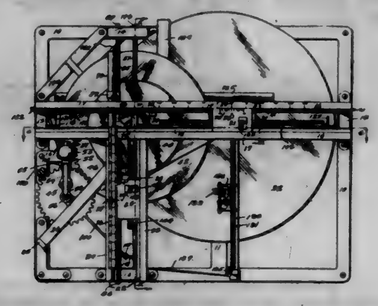
1,562,962. GAS BURNER. CHARLES L. HEISLER, Schenectady, N. Y. Filed June 23, 1924. Serial No. 721,619. 12 Claims. (Cl. 126—39.)



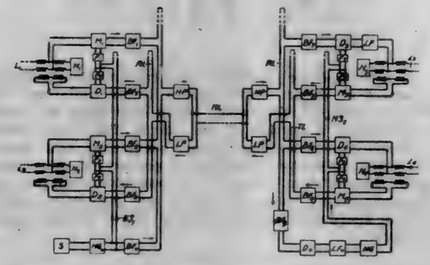
1. The combination with a gas stove having a burner and a valve for controlling the supply of gas to the burner, of a movable support upon which the burner is mounted, a cam which moves with the valve, and means carried by the support and engaging the cam whereby as the valve is turned the support will be moved to adjust the position of the burner.

1,562,963. AUTOMATIC PLANIMETER. OLD G. HERM, Marshalltown, Iowa. Filed May 9, 1924. Serial No. 712,107. 10 Claims. (Cl. 235—61.)



1. A planimeter comprising a frame, a scale for registering vertical measurements, a movable bridge for said scale, a scale for registering horizontal measurements, a movable bridge for the last said scale, a planimeter disk, a planimeter wheel designed to frictionally engage one surface of said planimeter disk and having its axis mounted in a plane parallel to said disk and radially with the axis thereof, means operated from the movable bridge of said vertical scale for moving said planimeter wheel axially, and means operated from the bridge of said horizontal scale for rotating said planimeter disk.

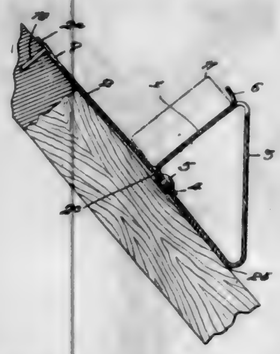
1,562,964. MULTIPLEX CARRIER-WAVE TRANSMISSION. JOSEPH W. HORTON, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 28, 1923. Serial No. 621,736. 6 Claims. (Cl. 179—15.)



1. In a carrier wave transmission system, a sending station and a receiving station, a source of base frequency waves at the sending station, a harmonic generator associated with said source to produce a plurality of harmonic frequency waves, circuits for selecting and controlling certain of said harmonic frequency waves in accordance with signals to be transmitted; a circuit associated with said harmonic generator for transmitting a plurality of other harmonic frequency waves, circuits at the receiving station to receive the signal controlled waves, a circuit to receive the other harmonic frequency waves, means to derive from the last mentioned waves a wave of the base frequency, and means for utilizing the wave so derived in reproducing the transmitted signals.

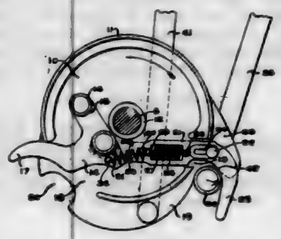
1,562,965. ROOF BRACKET. HENRY A. HUBSCHMITT, Jr., Montclair, N. J. Filed May 31, 1924. Serial No. 716,853. 3 Claims. (Cl. 304—20.)

1. In a roof bracket of the type described, a shank portion, means projecting therefrom for supporting a scaffold timber, said shank being provided with a key hole slot, a beveled portion in the lower plane of said shank leading into the key hole, the upper portion of said



key hole slot being beveled in planes converging from the upper to the lower plane of the shank and adapted to fit under the head of a nail or other securing means.

1,562,966. POWER LIFT FOR PLOWS. EDWARD ARTHUR HUTCHINSON, Brantford, Ontario, Canada, assignor to Cockshutt Plow Company, Limited, Brantford, Ontario, Canada, a Corporation of Canada. Filed Apr. 27, 1923. Serial No. 635,098. 9 Claims. (Cl. 192—62.)



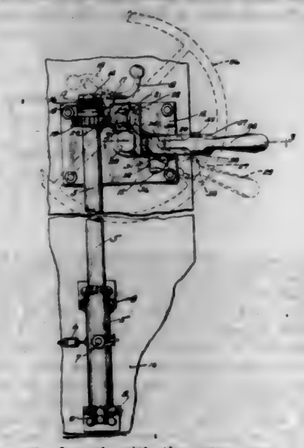
1. In a power lift for plows, the combination with the plow frame, land wheel axle, and land wheel thereon, of an annular pawl supporting member, an inwardly extending annular casing secured to the hub of the land wheel and provided with transverse indentures, a pawl pivoted on the pawl spporting member and provided with a roller at one end designed to engage with the indentures, a slide supported in suitable guides on the pawl supporting member and spring-held so as to engage with the pawl, means for withdrawing the end of the slide from engagement with the pawl and yet moving the pawl so that the roller on the end thereof engages with the transverse indentures and causes the supporting member to swing, means for retaining the pawl supporting member in position at the end of its swing and means for releasing the pawl supporting member when desired.

1,562,967. HAND BRAKE. SIGURD WILHELM JOHNSON, Minneapolis, and ANDREW ROSS, St. Paul, Minn. Filed June 11, 1925. Serial No. 36,381. 5 Claims. (Cl. 74—119.)

1. In a hand brake, a brake staff equipped with a worm gear, a crank mounted for free swinging movement in a vertical plane, a worm journaled on the crank and adapted to mesh with the worm gear, a hand lever directly

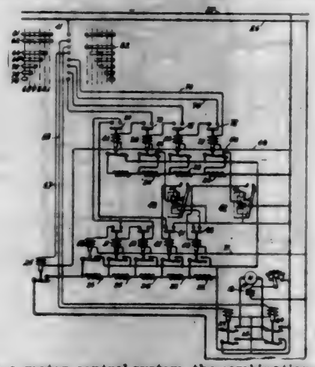


attached to the crank, arranged to drop under the action of gravity and swing the crank into a position to carry



the worm out of mesh with the worm gear, a latch for holding the hand lever with the worm in mesh with the worm gear, and means for operating the worm.

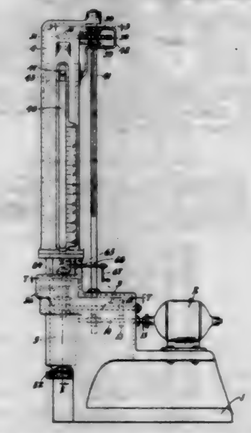
1,562,968. MOTOR-CONTROL SYSTEM. BENJAMIN W. JONES, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 6, 1924. Serial No. 711,494. 7 Claims. (Cl. 172—179.)



1. In a motor control system, the combination of an electric motor, a resistance arranged to be connected in shunt to the motor armature, a resistance in series with the motor armature, a plurality of electroresponsive switches normally operable in a predetermined sequence for varying the said resistances to change the motor speed, and means operated responsively to the rate of change of the motor speed for preventing the operation of a portion of the said switches to vary one of said resistances when the change in the motor speed exceeds a predetermined value upon the operation of another portion of said switches to vary the other of said resistances.

1,562,969. REBORING AND GRINDING MACHINE FOR ENGINE CYLINDERS. LEBERT E. JORDAN and CHARLES H. BURROWS, Minneapolis, Minn., assignors, by mesne assignments, to Jordan Machine Tool Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Dec. 1, 1922. Serial No. 604,397. 15 Claims. (Cl. 29—26.)

1. A portable machine for grinding and boring the cylinders of internal combustion engines having in combination, a frame constructed and arranged to rest on the engine casing, and comprising bearings, a boring bar revoluble in said bearings and longitudinally movable relative thereto, a member surrounding and splined to said boring bar for turning the same, a grinding member eccentrically disposed in said boring bar, means for turning said grinding member, a screw journaled in said



frame parallel to said boring bar adapted to move said boring bar and grinding mmeber longitudinally, means driven by said member surrounding the boring bar for turning said screw in one direction, and another member driven by said means surrounding the boring bar adapted to be shifted into position to drive said screw in the opposite direction.

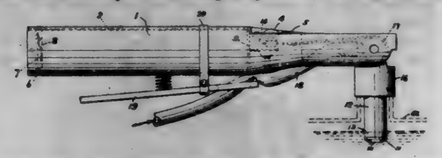
1,562,970. TURBINE BLADING. ALEXANDER T. KASLEY, Moore, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 28, 1924. Serial No. 702,489. 14 Claims. (Cl. 253—77.)

1. In an elastic fluid turbine, the combination with a blade-carrying disc, of blades carried thereby and mounted by holding means extending transversely of said disc, and holding rings to prevent movement of said holding means transversely of said disc, said holding rings being shrunk in place.

1,562,971. BATTERY-CELL FILLER. WILLIAM ERNEST KERSHAW, Philadelphia, and CARROLL HODGE, Radnor, Pa. Filed July 8, 1922. Serial No. 573,748. 7 Claims. (Cl. 226—39.)

1. A portable cell filler comprising in combination a handle or stock internally chambered and bifurcated, a fluid supply tube arranged outside of said chambered portion of the stock, a signal lamp arranged through the wall of the stock and visible from the outside thereof, a battery arranged in the chamber, a nozzle movably mounted in the bifurcation and provided with contacts adapted for liquid bridging, a controlling valve for the nozzle, and circuit connections for the battery, signal and contacts.

5. In a portable cell filler the combination of a battery and contacts connected therewith and adapted for insertion in electrolyte and being respectively of copper and



leaden materials which do not develop counter electromotive force under electrolytic action whereby the battery can be small and portable.

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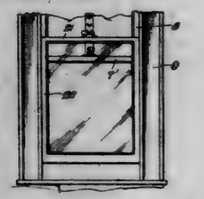
1,562,972. WINDOW FASTENER. OTTO L. KOHNERT, Chicago, Ill. Filed Dec. 13, 1923. Serial No. 680,389. 5 Claims. (Cl. 292—273.)



1. A window fastener comprising a hook member provided with a loop portion adapted to receive and engage a fixed securing hook member attached to the inner side of a window sash, a fastener member movably mounted on an adjacent inner sash and adapted to detachably engage said first-mentioned hook member, for fastening the sashes in a desired predetermined position with respect to each other, and a guard on said first mentioned hook member and adapted to hold the loop portion of the said hook member in engagement with the fixed securing hook member, all of said parts being located on the inside of the outer window sash and inaccessible from the outside of the window.

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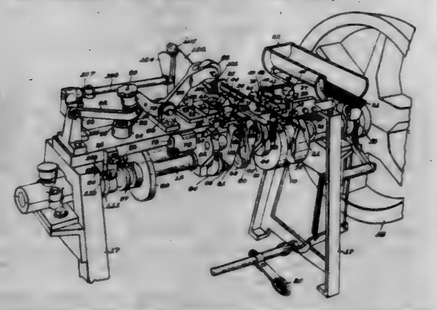
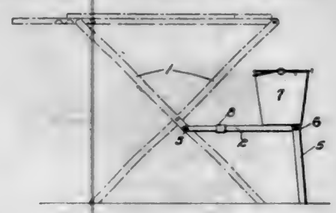
1,562,973. WIREWORKING MACHINE. HERMAN KUESTER, Detroit, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Filed Mar. 6, 1924. Serial No. 697,263. 30 Claims. (Cl. 140—82.)



8. A wire working machine comprising a bed plate, a forming pin, a pair of forming jaws pivotally mounted on said bed plate and adapted when actuated to fold the work around said forming pin, an actuating slide, tappets mounted on said slide to engage said jaws, a form block with which the stock is brought into co-operative relation by forming around said forming pin, and a die member acting on the work while the work is clamped upon said pin.

1,562,974. FOLDING STAND FOR PASTE BUCKETS. WILLIAM LAFFOLD, St. Louis, Mo. Filed Dec. 20, 1923. Serial No. 681,706. 1 Claim. (Cl. 304—1.)



A paper-hanger's paste-bucket stand, comprising a pair of horizontal supporting-bars, the inner ends of which are adapted to be pivotally connected to corresponding trestle legs; and a cross-bar and a pair of supporting-legs formed integral from a single piece of strap-iron, and adapted to be pivotally connected to the outer free ends of said supporting-bars; the free ends of said supporting-legs resting upon the floor when the said stand is in an unfolded position; and said cross-bar contacting with the upper edges of said horizontal support-bars to limit the outward movement of said supporting-legs.

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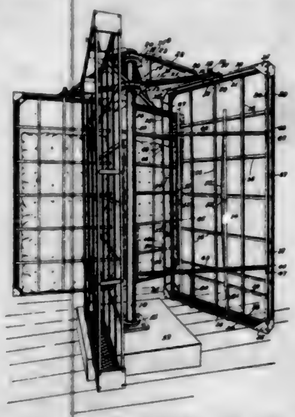
1,562,975. MATTRESS-AIRING DEVICE. ARTHUR G. LEAKE, Bridgeport, Conn. Filed Oct. 27, 1922. Serial No. 597,431. 2 Claims. (Cl. 211—20.)



1. In an airing device for mattresses and the like, a vertical support, a rotatable mattress supporting frame thereon, and a vertical mattress container rotatably suspended from said frame, said mattress container consisting of a rectangular grid-form adapted to surround the edges of a mattress and a grid-form rear side and a hinged grid-form front side adapted to support a mattress uprightly in said container, whereby a mattress can be easily placed into and removed from said container to be wholly exposed to air and sun, and can serve as a member in the nature of a sail adapted to cause the container to revolve on its own pivot and about said support by the action of breezes upon the mattress.

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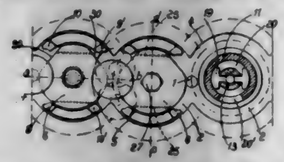
1,562,976. BRAIDING MACHINE. LOUIS JOSEPH GUSTAVE LEPLAIVE and JEAN JACQUES KNECHT, St.-Etienne, France. Filed Apr. 11, 1924. Serial No. 705,960½. 7 Claims. (Cl. 96—12.)

1. A lace making machine including in combination, upper and lower annular plates the upper of which is provided with a circular raceway, a circular series of



discs arranged in the raceway so as to divide the raceway into two oppositely extending and intersecting waving slots, bobbins mounted to slide in said slots, vertically movable and rotatable drivers arranged between the plates, vertical claws formed on the drivers and operating in the slots for coacting with the bobbins,



cooperative engaging means between the drivers and discs, means mounted beneath the drivers and engageable therewith for effecting rotation thereof, and means for moving the drivers into engagement with the discs when it is desired to stop the movement of the bobbins, substantially as and for the purposes set forth.

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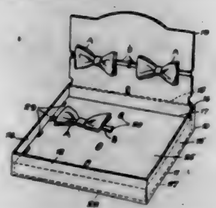
1,562,977. DISPLAY BOX. DAVID LEVIGTON, New York, N. Y. Filed May 15, 1925. Serial No. 30,500. 3 Claims. (Cl. 206—44.)



1. The combination with an approximately rectangular box body having an open top, of a substantially rectangular removable board in flat spaced position in the body above its bottom, and a separate display card upstanding between the one end of the board and the adjacent end wall of the body, and the display card having spaced wing sections folded under the board.

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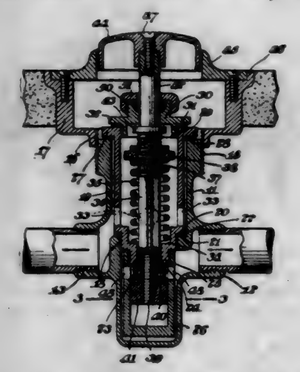
1,562,978. WATCH ALARM. WILLIAM MILLER, New York, N. Y. Filed Oct. 4, 1924. Serial No. 741,556. 8 Claims. (Cl. 58—16.)

1. An inaudible alarm including a flattened cylindrical watch casing having a perforated recess in the back thereof, a stem projecting from one edge of said watch casing, for winding and setting the time mechanism thereof, an alarm mechanism within said watch, a second stem projecting from said casing and adjacent to said first mentioned stem for winding and setting said alarm and a hammer operated by said alarm mechanism and through said back and normally within the said recess when at rest, said hammer being adapted to be projected beyond the walls of said recess to contact with a body upon which said watch is placed, only when said alarm mechanism is operated.

1,562,979. VALVE. CHARLES J. MUENDT, Philadelphia, Pa., assignor to Haines, Jones & Cadbury Incorporated, a Corporation of Pennsylvania. Filed Dec. 28, 1921. Serial No. 525,341. 6 Claims. (Cl. 251—138.)



4. In a valve mechanism for liquid supply, the combination of a chambered body having a closed cylindrical lower end and horizontal inlet and discharge nozzles positioned above said cylindrical end, a self-containing valve structure comprising a tubular formation adapted to be removably secured by threaded engagement within said chambered body, providing a valve seat between the two nozzles and a dash pot recess below the valve seat, a valve, a piston in fixed relation with the valve and operating in the dash pot and an actuating spring therefor, all housed in said tubular formation, and threaded means for maintaining the spring in operative position within the tubular formation and under required tension adjustment.

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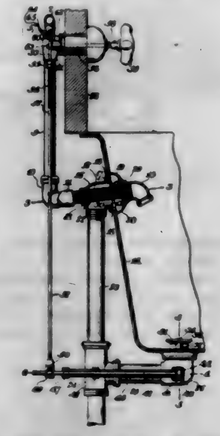
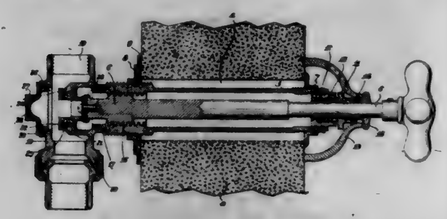
1,562,980. WASTE MECHANISM AND CONTROL. CHARLES J. MUENDT, Philadelphia, Pa., assignor to Haines, Jones & Cadbury, Incorporated, a Corporation of Pennsylvania. Filed July 16, 1923. Serial No. 651,707. 12 Claims. (Cl. 4—195.)



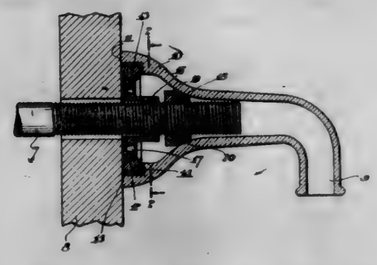
1. In combination with a bath tub, having a waste outlet, a valve for controlling said outlet, a horizontal waste pipe connected with the outlet, a valve actuating arm, a rock-shaft for actuating said arm, extending outside of and parallel with the horizontal waste pipe, and means for arbitrarily operating said shaft.

1,562,981. VALVE STRUCTURE. CHARLES J. MUENDH. Philadelphia, Pa., assignor to Haines, Jones & Cadbury Incorporated, a Corporation of Pennsylvania. Filed Aug. 6, 1924. Serial No. 730,365. 3 Claims. (Cl. 251—49.)



3. In combination with a recessed wall a valve structure comprising a tube extending through the recess of the wall, threaded exteriorly at each end and also interiorly at one end, and provided with an interiorly threaded portion between its two ends, cooperating flanged nuts for engaging the wall adjacent the recess and clamping the tube to the wall, a valve spindle extending through the tube having a valve element at one end and an operating handle at the other end, and a threaded portion cooperating with the interiorly threaded portion of the tube, means forming a guide and packing for the spindle at one end of the tube, a chambered body secured to the other end of the tube, having inlet and outlet ports and an apertured partition between said ports, a removable valve seat member threaded into said apertured partition, said chambered body also provided with an opening and a removable closure therefor in alinement with the valve seat member, as and for the purpose specified.

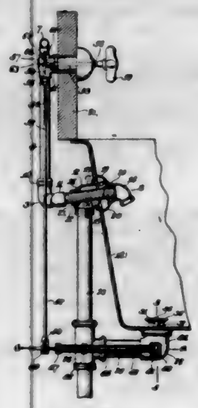
1,562,982. NOZZLE CONNECTION. CHARLES J. MUENDH, Philadelphia, Pa., assignor to Haines, Jones & Cadbury Incorporated, a Corporation of Pennsylvania. Filed Apr. 22, 1925. Serial No. 24,959. 7 Claims. (Cl. 285—30.)



1. The combination of a supply pipe, a nozzle member, a threaded element secured to the nozzle member, a cooperating threaded element surrounding the supply pipe, and means for securing said cooperating threaded element in required initial position of rotative adjustment with respect to the first mentioned threaded element.

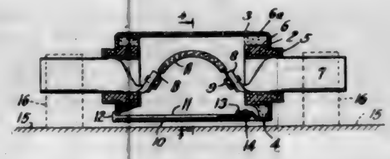
1,562,983. COMBINATION SUPPLY AND WASTE. CHARLES J. MUENDH, Philadelphia, Pa., assignor to Haines, Jones & Cadbury Company, a Corporation of Pennsylvania. Original application filed July 16, 1923, Serial No. 651,707. Divided and this application filed June 16, 1925. Serial No. 37,414. 5 Claims. (Cl. 4—194.)

1. In combination with a tub or basin, a supply pipe, a discharge nozzle member, a waste overflow elbow, and a threaded connecting pipe extending entirely through the elbow having one end threaded into the



nozzle member, the other end in threaded connection with the supply pipe and an intermediate portion in threaded engagement with the elbow.

1,562,984. INCASED FUSE. THOMAS E. MURRAY, Brooklyn, N. Y. Filed Apr. 4, 1921. Serial No. 458,353. 2 Claims. (Cl. 200—131.)



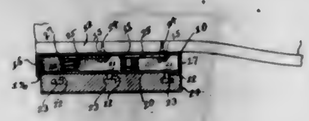
1. A fuse casing carrying terminals passing through the opposite ends thereof in combination with an arched fuse strip within the casing, said casing having an opening on the concave side of the strip through which the latter may be removed or inserted.

1,562,985. FUSE. THOMAS E. MURRAY, Brooklyn, N. Y. Filed Apr. 11, 1921. Serial No. 460,219. 4 Claims. (Cl. 200—131.)

1. A fuse case with an opening through one of its ends and with inwardly projecting tongues on opposite sides of said opening adapted to embrace the fuse strip, said tongues having a passageway between them which is open at the outer end so that a fuse strip can be inserted from the outside, in combination with a wedge for fastening the end of the strip between said tongues with a good frictional engagement.

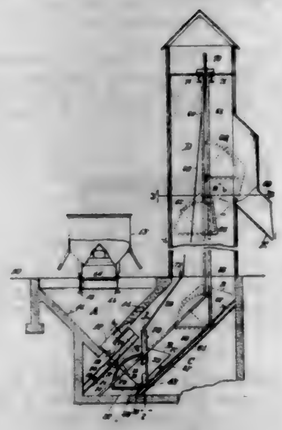


1,562,986. SPRING HEEL. JOHN MUSTO, Waterbury, Conn. Filed Aug. 4, 1924. Serial No. 729,968. 3 Claims. (Cl. 36—38.)



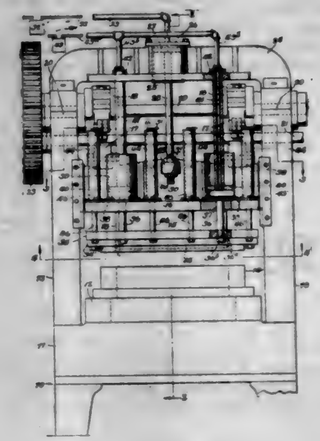
1. In a spring heel, a hollow shell adapted to be attached to the rear of the sole of a shoe, a plate releasably closing said shell, said plate having a heel tread secured thereto, a spring located in said shell and engaging said plate, and adjustable means for holding said spring in various positions within said shell.

1,562,987. CONVEYING SYSTEM. HENRY W. NAGEL, Chicago, Ill., assignor to Thomas H. Ferguson, Oak Park, Ill. Filed July 8, 1921. Serial No. 483,201. 7 Claims. (Cl. 214—125.)



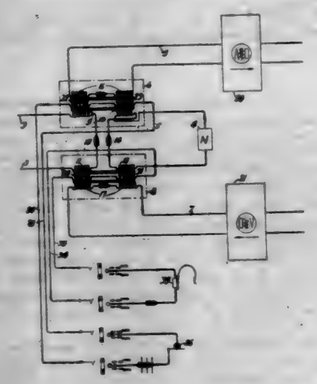
1. A conveying system including a pocket having a discharge opening at a low point through which material may pass from the pocket by gravity, a flat reciprocating door movable in its own plane in a direction inclined to the vertical, guides extending from a receiving position below said opening in a like inclined direction beyond the limits of said pocket and then vertically to a dumping position, a bucket container, a bucket bail connected to said container below and to one side of the center of gravity of said container so as to give it a tendency to overturn toward said pocket, stop means for limiting the movement of the container relative to the bail in that direction, means cooperating with said guides to maintain said bail upright in its travels with the bucket container to and fro between said receiving and dumping positions, the paths of travel of said door and container being slightly convergent downward at said receiving position, means dependent upon said convergence acting between said door and a near portion of said container to open said door as said container moves downward and to close said door as said container moves upward, and means for preventing said container from being moved about its connection to said bail in a direction away from said pocket as a result of the engagement of said door with said container during the latter's downward movement.

1,562,988. POWER PRESS. JOHN NELSON, Chicago, Ill., assignor to Marquette Tool & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 2, 1922. Serial No. 598,698. 11 Claims. (Cl. 113—46.)



1. In a power press, in combination with its ram, of a draw-ring, movable with said ram into engagement with the work, a plurality of hydraulic pressure devices connected to said draw-ring and means for regulating the pressure in each pressure device.

1,562,989. SIGNALING CIRCUITS. DONALD A. QUARLES, Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 11, 1922. Serial No. 606,057. 7 Claims. (Cl. 179—170.)



1. In a signaling system, a two-way transmission line, a one-way transmission line, a second one-way transmission line, an artificial network for balancing said two-way line, transformer means for coupling said lines and said network to render said two way line, said first one way line, said second one way line and said

network conjugate, an auxiliary winding on said transformer means coupled to other windings of said means to receive currents from both said two-way line and only the first of said one-way lines, a second auxiliary winding coupled with other windings of said means such that alternating current potentials present in said second auxiliary winding impress currents on said two-way line and only on the second of said one-way lines, local means for indicating signaling currents received by said first auxiliary winding, and local means for impressing signaling currents upon said second auxiliary winding.

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1,562,990. SWEATBAND. MAX RAPPAPORT, New York, N. Y. Filed Dec. 19, 1922. Serial No. 607,788. 1 Claim. (Cl. 2—181.)

A sweat band or the like, having the material thereof depressed at regular spaced intervals longitudinally of the band with the depressions of uniform width, the bottoms of the depressions being colored to thereby simulate a colored strip loosely woven through the band.

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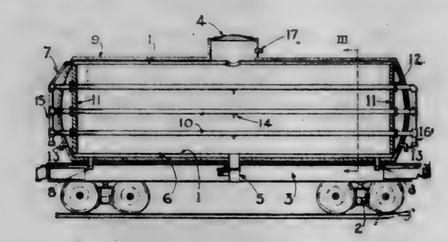
1,562,991. TRANSPORTABLE TANK. EDWARD A. RUDIGIER, Baltimore, Md., assignor to Standard Development Company, a Corporation of Delaware. Filed Nov. 16, 1923. Serial No. 675,077. 5 Claims. (Cl. 221—67.)



1. A car-tank having a central top manhole inlet and a central bottom outlet, a spaced wall around said tank to form a heating jacket, inlet and outlet connections in said jacket for passage of a heating fluid, a covering of heat-insulation surrounding said jacket and tank, a plurality of tubular guides traversing said tank from end to end, inlet and outlet means for the circulation of a heating fluid through said guides, a pair of pistons fitting the interior of the tank mounted to slide on said guides and having stuffing-boxes thereon, a connection at each end of the tank back of each piston for supply of a propelling fluid, and supports for the guides midway of the tank arranged to act also as center stops for the pistons.

5. A transportable tank having guide members traversing said tank, a piston within the tank mounted to slide on said members, and means for actuating said piston.

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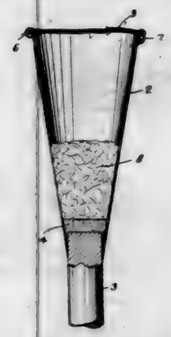
1,562,992. FLOWER HOLDER. MAX SCHLING, New York, N. Y. Filed Apr. 29, 1925. Serial No. 26,609. 1 Claim. (Cl. 47—41.)

A device for presentation of flowers comprising a tapering cup adapted to receive moss, a handle comprising a stick the upper end of which enters the narrow lower end of the cup, a hardened plastic mass in the



lower end of the cup enclosing the upper end of the stick, and a guard for the top of the cup provided with openings for flower stems.

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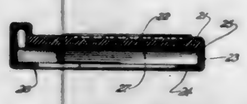
1,562,993. PEDAL COVER. FRANK H. STANWOOD, Wilmette, Ill., assignor to Stanwood Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 20, 1923. Serial No. 675,798. 6 Claims. (Cl. 74—81.)



1. A cover for accelerator pedals, or the like, comprising a molded rubber tread member having a retaining flange, and a layer of non-heat-conducting material on the under side of said tread member.

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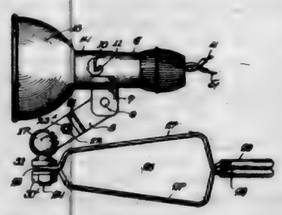
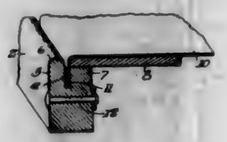
1,562,994. ADJUSTABLE CONNECTED ELECTRIC LAMP AND LAMP SUPPORT. ANDREW B. STEWART, Chicago, Ill. Filed Sept. 15, 1921. Serial No. 500,721. 1 Claim. (Cl. 240—53.)



In a support for electric lamps, the combination of a lamp-engaging member, a bracket arm connected with said lamp-engaging member, a socket on said bracket arm, a resilient bracket arm member having a loop portion at one extremity thereof and having resilient arm portions extending from said loop and adapted to be detachably secured to a support, and an intermediate bolt member mounted on and extending through said loop portion of said resilient bracket arm, said bolt having a head extending into and secured in adjustable relation to and clamped between opposed clamping surfaces of said socket on said pivoted bracket arm.



1,562,995. TABLE-COVER FASTENING. CARL M. SWANSON, Streator, Ill., assignor to Metal Stampings Corporation, Streator, Ill., a Corporation of Illinois. Filed Aug. 29, 1921. Serial No. 496,497. 4 Claims. (Cl. 45—31.)



1. In a table top, the combination of a marginal frame comprising strips set up on edge and having integral top portions at the inner and outer sides thereof separated by a deep narrow groove and having the outer portion extending up to a higher elevation than the inner portion, a table top resting on and secured to the top of the inner portion and having the upper surface substantially flush with the upper surface of the outer portion of the marginal frame, and a flexible covering drawn over the table top and having a marginal fold locked in the aforesaid groove by means of a filler interposed between the two portions of the fold.

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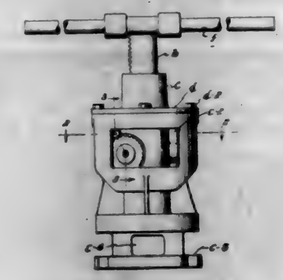
1,562,996. REBORING TOOL. WILLIAM C. VAN DRESSER, Detroit, Mich., assignor to Van Dresser Brothers, a Copartnership composed of said William C. Van Dresser, Wesley B. Van Dresser, and Frank P. Van Dresser, a Copartnership of Michigan. Filed Apr. 29, 1921. Serial No. 465,484. 6 Claims. (Cl. 77—2.)



1. In a reboring tool, a rack feed bar journalled for rotation, a stationary threaded member surrounding said bar, feed mechanism coupling the rack teeth of said bar with the thread of said stationary member to advance the bar upon its rotation, and means for maintaining yielding pressure on said feed mechanism tending to hold the same closely in mesh with the rack teeth of the feed bar.

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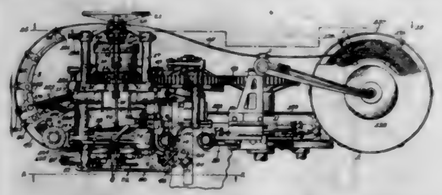
1,562,997. WIRE-FEEDING MEANS. BERT L. VAN ORMAN, Detroit, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Original application filed Feb. 3, 1923, Serial No. 616,652. Divided and this application filed Jan. 2, 1924. Serial No. 683,970. 13 Claims. (Cl. 140—129.)

1. The combination of a wire feed means comprising coacting feed rollers, means for applying intermittent feeding pressure to said rollers, means for preventing retracting of the wire when released by the feed rollers operatively associated with said feed control means, a stock reel, a tension arm over which the wire is guided, driving means for said feed rollers including a clutch, a control means for said clutch including said tension arm whereby an excessive stress thereon actuates said



clutch to disconnect said feed roller driving means, a brake for said reel, and operating connections from said tension arm to said brake.

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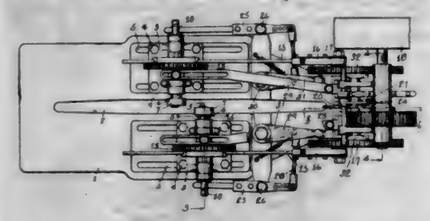
1,562,998. WIRE-FORMING MEANS. BERT L. VAN ORMAN, Detroit, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Filed Jan. 12, 1924. Serial No. 685,767. 10 Claims. (Cl. 140—82.)



6. In a wire working machine, the combination of a pair of oppositely disposed rotary coiler heads arranged in laterally spaced relation and mounted for axial movement and provided with reciprocating axial core members and winding lugs disposed eccentrically relative to said core members, means for simultaneously rotating and axially moving said coiler heads, and means for retracting said core members for discharging the work.

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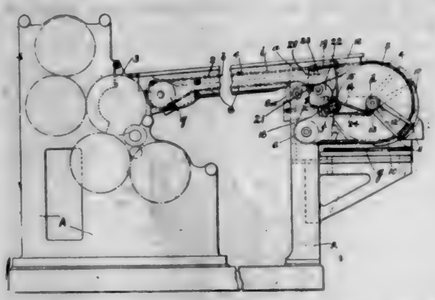
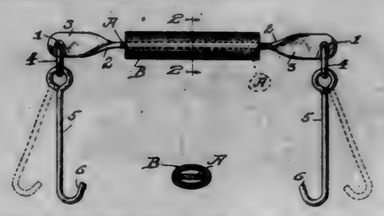
1,562,999. DELIVERY MECHANISM FOR PRINTING MACHINES. FRED WAITE, Inglewood, Otley, England. Filed July 20, 1925. Serial No. 44,709. 5 Claims. (Cl 271—76.)



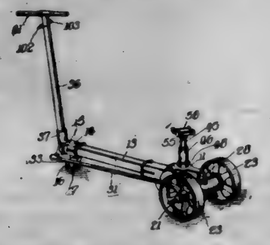
1. In delivery mechanism for printing machines, travelling chains, grippers carried by said chains, sprocket wheels over which said chains are made to take, means for transmitting motion to said sprocket wheels, means extending between and carried by said chains to support the rear portion of the sheets and devices for receiving and depositing the printed sheets as delivered by said chain and released by the grippers thereon.

1,563,000. LIFTING HANDLE. JOHN WAJER and OTTO W. HOPP, Chicago, Ill. Filed Mar. 30, 1925. Serial No. 19,212. 2 Claims. (Cl. 16—114.)



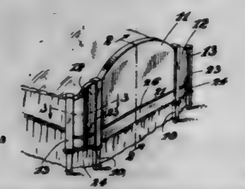
1. The carrying device described comprising a relatively wide and thin, end-apertured bar of metal twisted to form two vertically disposed end portions and a horizontally disposed intermediate member, and means movably secured to the apertured ends for engagement with the article to be carried.

1,563,001. JACK. IRA A. WEAVER, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Mar. 5, 1923. Serial No. 622,774. 15 Claims. (Cl. 254—2.)



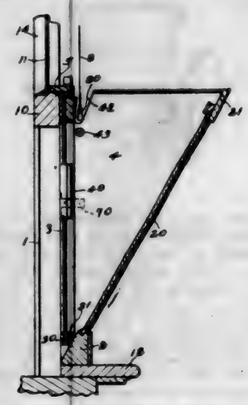
1. In a truck-jack, the combination of a main supporting body, an axle-housing pivoted thereto at its middle, anti-friction bearings in said housing, an axle in said bearings, carrying-wheels on said axle, a jack on said main supporting body, a handle hinged to said main body for vertical rocking movement and constructed to turn on its own axis, operating means for the jack actuated by such rocking movements of the handle, and means connecting the handle to said axle-housing whereby steering of the appliance by swinging the axle-housing on its pivot may be effected by turning said handle on its own axis.

1,563,002. METAL BED. ADOLPH WEISMAN, Brooklyn, N. Y. Filed Aug. 22, 1924. Serial No. 733,520. 8 Claims. (Cl. 5—280.)



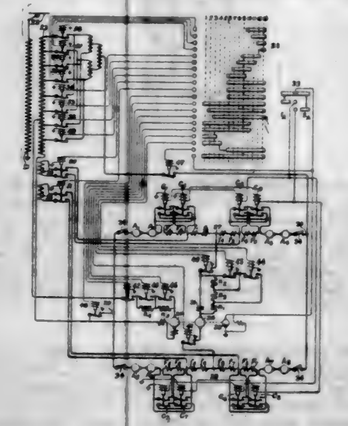
1. An end piece for metal beds including hollow legs, a hollow panel connecting the legs, said panel including a pair of spaced sheets of metal having their upper edges turned over and joined together to provide an uninterrupted surface of the same width as the thickness of the panel, the union of the sheets at the upper edge of the panel being an edge to edge union.

1,563,003. WINDOW VENTILATOR. CHRISTOPHER WILES, Seattle, Wash., assignor of forty-nine per cent to Roy Taylor, Seattle, Wash. Filed May 22, 1924. Serial No. 715,031. 4 Claims. (Cl. 98—31.)



1. A window ventilating device comprising a frame adapted to be secured within a window casing and having an inclined air deflecting inner wall, side walls and a screen forming the vertical outer wall, said side walls having guiding grooves for holding the side edges of the screen and opening freely at their upper ends to permit upward removal of the screen, a bar extending along the top edge of the screen and having interlocking engagement with the frame sides and also having its outermost edge projecting to prevent the window sash being raised above it.

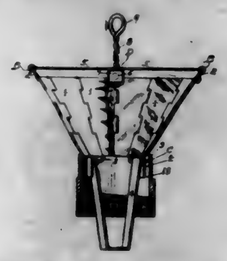
1,563,004. METHOD OF AND MEANS FOR OPERATING ELECTRIC MOTORS. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 12, 1924. Serial No. 719,680. 18 Claims. (Cl. 172—276.)



2. The method of operating a series commutator electric motor which consists in initially supplying direct current to said motor for starting the same, thereafter simultaneously applying both direct current and alternating current to said motor during the acceleration of the motor, and then operating said motor by alternating current when it is up to speed.

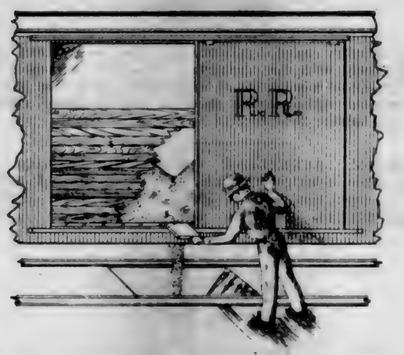


1,563,005. COLLAPSIBLE FUNNEL. WILLIAM LEROY ALLEE, Topeka, Kans. Filed Mar. 5, 1925. Serial No. 13,354. 3 Claims. (Cl. 226—38.)



1. In a collapsible funnel, a funnel comprising a plurality of converging segments, said segments being hinged together, and adapted to fold in opposite directions alternately, radially disposed rods pivotally connected to the top of the funnel, and the opposite ends to a centrally disposed housing, a member connected to said housing for the downward movement of the inner ends of the said rods by which means the segments of said funnel are collapsed and draw in a close relation, a portable housing and a stirrup, said stirrup converging downward to conform to the collapsed shape of said funnel, a loop on each side of the bottom of said funnel, said loop engaging around sides of said stirrup, functioning as a guiding and retaining means for lower extremity of said funnel concentric to said housing.

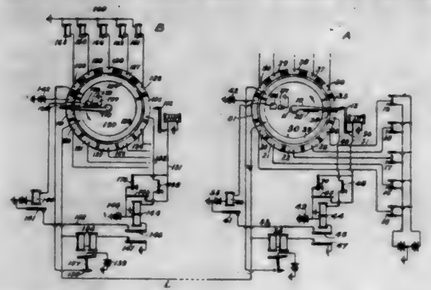
1,563,006. GRAIN-DISPENSING VALVE. FRANCIS E. BEESON, Topeka, Kans. Filed Jan. 27, 1925. Serial No. 5,086. 4 Claims. (Cl. 105—230.)



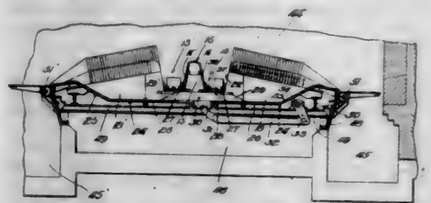

2. In a grain dispensing device, a frame positioned in the floor of a grain container, said frame having perforations in the outer ends thereof, a valve slidably mounted in said frame, reciprocating bolts slidably mounted in the outer end of said valve, a lever actuating said bolts simultaneously for engagement with said perforations, said lever functioning as a handle to withdraw said valve.

1,563,007. SELECTING SYSTEM. JOHN H. BELL, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 12, 1917. Serial No. 148,113. 20 Claims. (Cl. 178—33.)

7. In a selecting system a sending distributor normally tending to rotate, an electroresponsive device for controlling the rotation of said distributor, a circuit therefor, means for closing said circuit to initiate the operation of said distributor, means controlled by the distributor for stopping the rotation thereof, and means for automatically closing the circuit of the electroresponsive device to again set the distributor in operation.

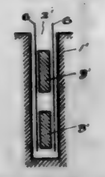


1,563,008. UNDERFEED STOKER. ARTHUR H. BLACKBURN, Worcester, Mass., and SAMUEL A. ARMSTRONG, Detroit, Mich., assignors, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 9, 1923. Serial No. 630,990. 5 Claims. (Cl. 110—47.)



1. In an underfeed stoker, the combination of a plurality of longitudinal main retorts forming a central group, spaced apart and having tuyère structures spanning their adjoining margins, and two groups of laterally-extending retorts flanking the extreme ones of said central retorts, each said laterally extending retort communicating with the adjacent one of said central retorts below the level of said tuyère structures to receive from such central retort fuel not yet in state of combustion, said laterally-extending retorts respectively having marginal tuyères, means for feeding fuel longitudinally along said longitudinal main retorts and means, below the level of said tuyères, for feeding fuel not yet in combustion laterally along said laterally extending retorts.

1,563,009. DYNAMO-ELECTRIC MACHINE. OTTO BÖHM, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed Nov. 6, 1923. Serial No. 673,178. 4 Claims. (Cl. 171—228.)

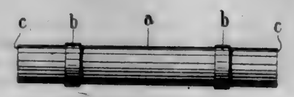


1. In a direct current dynamo-electric machine, an armature provided with slots, a commutated armature winding in said slots, and sheets of non-magnetic, electrical conductive material located in said slots and extending vertically therein, each of said sheets being electrically independent of the other of said sheets.

1,563,010. TANS COMPRISING A REACTION PRODUCT OF SULPHITE CELLULOSE. JOHN BREDIS, Philadelphia, Pa., assignor to Rohm & Haas Company, a Corporation of Delaware. Filed Feb. 23, 1924. Serial No. 694,772. 3 Claims. (Cl. 149—4.)

2. The method of producing a tan which comprises the step of heating together a natural tan and sulphite cellulose in the presence of free alkali until such natural tan and sulphite cellulose enter into chemical combination, and then acidifying the product.

1,563,011. FORM OF END-MEASURING BAR. ARTHUR JOHN CHARLES BROOKES, Bridgnorth, England. Filed July 28, 1924. Serial No. 728,761. 5 Claims. (Cl. 33—168.)

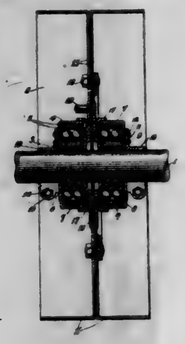



1. An end measuring bar with parallel end faces and nodal bands intermediate of the end faces.

1,563,012. PROCESS OF MAKING MOTOR SPIRITS AND REFINING PETROLEUM PRODUCTS. BENJAMIN T. BROOKS, Bayside, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed May 1, 1918. Serial No. 231,802. 2 Claims. (Cl. 196—40.)

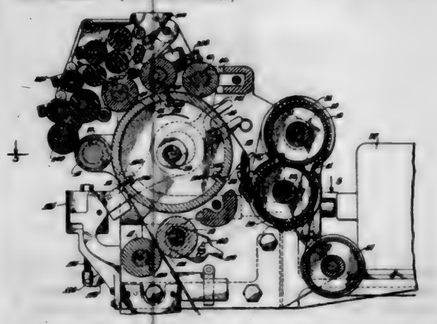
1. The process of making motor spirit which comprises cracking a petroleum product under conditions giving a material rich in olefins, subjecting this material to the action of a sulphuric acid equivalent to strong aqueous $H_2SO_4$ of Baumé gravity materially less than 66°, separating the oil from the substances immiscible therewith, treating the separated oil with an alkali, and distilling off and collecting the oil.

1,563,013. LOOSE PULLEY. HAROLD E. BRUNNER, Larchmont, N. Y. Filed Feb. 27, 1923. Serial No. 621,510. 5 Claims. (Cl. 308—190.)



1. The combination with a pair of anti-friction bearings consisting of inner and outer rings and rolling elements therebetween, housings for the outer rings of such bearings and means for securing each of these to a shaft independently of the other, a pulley having a flange surrounding the anti-friction bearings and a hub connected with such flange upon which hub the inner rings of the bearings are mounted.

1,563,014. TABULATING-CARD PRINTER. FRED M. CARROLL, Endicott, N. Y., assignor to The Tabulating Machine Company, Endicott, N. Y., a Corporation of New Jersey. Filed Apr. 14, 1922. Serial No. 552,654. 16 Claims. (Cl. 101—224.)

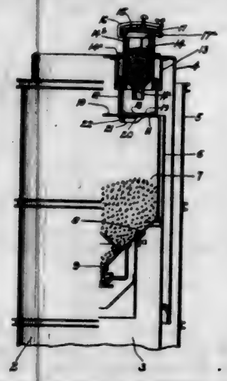


1. A printing machine comprising in combination, a rotatable platen, power means for rotating said platen, feeding mechanism for supplying material to said platen and over which said material slips when its tension is relieved, and means for operating said feeding mechanism at a linear speed in excess of the peripheral speed of said platen.

1,563,015. LAUNDRY APPLIANCE. MAY C. CHRISTY, Cleveland, Ohio; James Christy administrator of said May C. Christy, deceased. Filed Aug. 28, 1923. Serial No. 659,719. 1 Claim. (Cl. 68—20.)

A laundry hand appliance adapted to be used cooperatively with the corrugated surface of a washboard, consisting of a solid flat rubbing block and a thin finely-corrugated rubber-coated sheet of textile fabric affixed to the bottom face thereof.

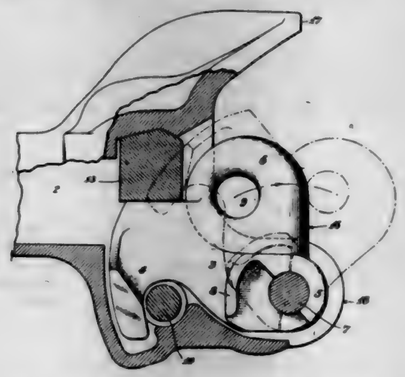
1,563,016. ACETYLENE GENERATOR. CLAUD J. CLEFTON, Owatonna, Minn., assignor to Ruth P. Clefton, Owatonna, Minn. Filed May 15, 1922. Serial No. 561,244. 3 Claims. (Cl. 48—38.)



1. An acetylene generator comprising a main hopper, a gas bell encircling said hopper, the top of said hopper having a filling opening and otherwise closed, said bell having a filling opening an auxiliary hopper or filling funnel adapted to fit into said filling opening and means mounted to close the filling opening in said main hopper against the passage of air thereto and move to an open position when engaged by said auxiliary hopper or filling funnel.



1,563,017. TRANSITION COUPLER. WALTER E. COFFIN, Cleveland, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 16, 1923. Serial No. 619,340. 6 Claims. (Cl. 213—112.)



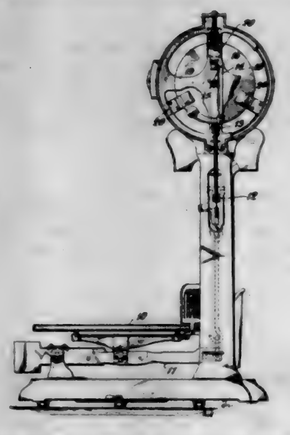
1. In coupler mechanism, an automatic coupler having secured thereto a transitional coupling knuckle arranged to be held in transitional locked position by standard operating mechanism and secured to the coupler by the usual pivot pin, the said knuckle having its pulling part extending rearwardly into the recess in the buffing face of the coupler and having a vertically disposed aperture therethrough for reception of a pulling link, the said pulling link comprising means for attachment to a coupler of a different type.

1,563,018. MIRROR. GEORGE F. COLBERT and WILLIAM H. COLBERT, Pittsburgh, Pa. Filed Sept. 13, 1921. Serial No. 500,290. 1 Claim. (Cl. 88—1.)

A mirror for use on automobiles and for similar purposes consisting of sheet glass having a reflecting coating on its rear surface and a protective backing of waterproof sheet material applied to the said reflecting surface by means of a waterproof adhesive, the said sheet material being substantially coextensive with the said rear surface.

1,563,019. DAMPING DEVICE FOR SCALES. ROBERT CRAIG, Dayton, Ohio, assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Feb. 19, 1921. Serial No. 446,890. 1 Claim. (Cl. 265—54.)

In a weighing scale, in combination, a platform, a scale lever, automatic load counterbalancing means connected thereto, an indicator connected thereto, an element oscillating in unison with the indicator, magnet means having poles in proximity to said element to set up eddy currents therein and damp the oscillations of the indicator upon relative movement of the element and said magnet means, windings upon said magnets, a circuit including said windings, and means



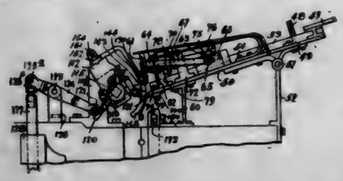
operable upon the application of a load to the scale for closing said circuit and permitting the current to flow through said windings.

1,563,020. PRESERVED FLAVORED MILK DRINK AND PROCESS OF PREPARING SAME. SCOTT J. DAVIS, Oklahoma City, Okla., assignor to E. F. Comegys, Oklahoma City, Okla. Filed Aug. 7, 1922. Serial No. 656,300. 6 Claims. (Cl. 99—11.)

2. The process of producing a chololate flavored milk drink consisting in thoroughly heating chocolate, cow's or goat's milk, and sugar, to substantially 160° F. for approximately fifteen minutes, homogenizing the mixture at a temperature of substantially 160° F. and at a pressure of substantially 2000 pounds per square inch, and thereafter sterilizing the milk.

6. A sterile chocolate flavored milk beverage comprising a mixture of chocolate, sugar and milk, which mixture was preliminarily heated prior to homogenization and sterilization to a sufficient temperature to liquefy the fats, but for a period of time and under conditions insufficient to evaporate any substantial percentage of water, such beverage being substantially stable and having substantially the same fluidity as milk.

1,563,021. MECHANISM FOR HANDLING BLANKS. CHARLES FASSINGER, Carrick, Pa., assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed Sept. 7, 1923, Serial No. 661,425. Divided and this application filed July 22, 1924. Serial No. 727,588. 4 Claims. (Cl. 10—166.)



3. Feeding mechanism comprising an inclined feed table, a gate vertically movable above said feed table near its lower end, a lifting member carried by said gate and a carrier adapted to lift said gate, to receive a

blank from said feed table, and to carry said blank to a blank-discharging position, said carrier comprising a shaft, relatively movable jaw members carried by said shaft, means for rocking said shaft to swing said jaw members upwardly, one of said jaw members being adapted to engage beneath the lower end of said feed table and to thereby open the said jaws, and the other jaw being provided with means for engaging said lifting member and for thereby lifting said gate, and means for rocking said shaft in the opposite direction to close said jaws, to permit said gate to descend, and to swing said jaws downwardly to a blank-discharging position.

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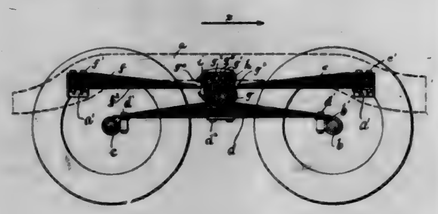
1,563,022. SPRING SUSPENSION. CHARLES FROESCH, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed May 22, 1925. Serial No. 31,993. 5 Claims. (Cl. 267—45.)



1. In a spring suspension for vehicles having dual axles, a spring secured at its ends to the respective axles, springs carried with the vehicle frame and means to connect the ends of said springs to the first named spring between the ends thereof.

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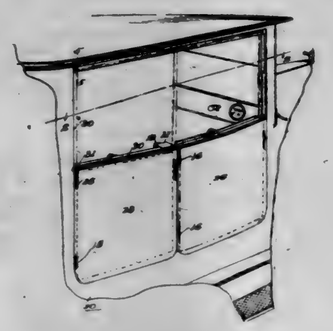
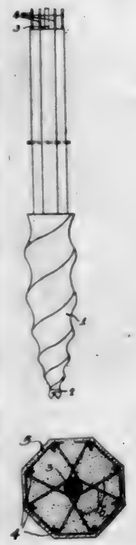
1,563,023. CONVERTIBLE BODY FOR AUTOMOBILES. PALEMON H. GASKINS, Jacksonville, Fla. Filed Aug. 6, 1923. Serial No. 655,970. 4 Claims. (Cl. 296—48.)



1. A convertible automobile body having a door provided with a sliding glass panel, an extensible stanchion mounted on the door and connected with one side of the sliding glass panel, a swingable stanchion engaging with the opposite side of the panel in the raised position thereof and foldable down over the top of the panel in the lower position thereof, and a socket aligned with the axis of swing of the door and adapted to rotatably receive the swingable stanchion when the same is engaged with the side of the glass panel.

1,563,024. REENFORCED-CONCRETE STAKE. GUSTAVE GRIMAUD, Bouille Courdault par Oulmes, France. Filed Feb. 1, 1924. Serial No. 690,062. 4 Claims. (Cl. 72—84.)



1. A concrete stake having a screw head, an axial reenforcing bar extending therethrough, a plurality of longitudinal bars arranged about the axial bar, spiral binding wires extending around said rod, and a plurality of hook members connecting the axial bar and said rods.

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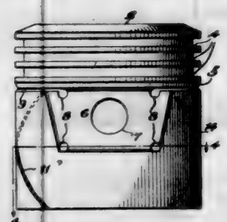
1,563,025. PISTON. HARRY JOHN HATER, Cincinnati, Ohio. Original application filed Apr. 24, 1922, Serial No. 556,234. Divided and this application filed Nov. 22, 1923. Serial No. 676,344. 3 Claims. (Cl. 74—108.)



1. A piston comprising a head and a skirt, said skirt having a piston pin opening therein and said skirt having the metal adjacent the piston pin opening cut away or relieved in the form of a keystone.

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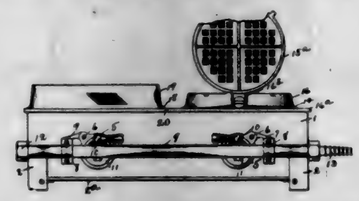
1,563,026. STOVE. JOHN C. HOLLANDS, Erie, Pa., assignor to The Griswold Manufacturing Company, Erie, Pa., a Corporation of Pennsylvania. Filed Sept. 18, 1922. Serial No. 588,791. 2 Claims. (Cl. 126—40.)

1. In a stove, the combination of a surrounding frame; a plurality of detachable top plates mounted directly on the frame and forming the complete top of the stove, said top plates being interchangeable, one of the top plates having a burner opening therein with a surrounding annular upstanding wall integral with the plate, the plate extending laterally from the up-standing wall without obstruction to the edge of the plate and the up-standing wall having a waffle iron socket in its upper





edge; a waffle iron arranged within the wall and supported by said socket; and a burner under each plate, one of said burners being directly under the waffle iron and having its heat directed upwardly by the upstanding wall.

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1,563,027. [WITHDRAWN.]

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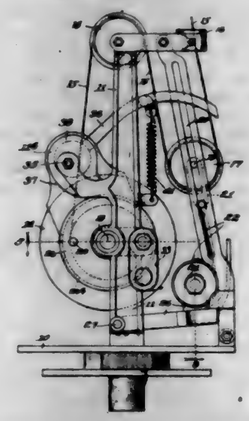
1,563,028. CARRIER FOR BRAIDING MACHINES. ARTHUR C. HOPKINS, Niles, Mich., assignor to National Standard Company, Niles, Mich., a Corporation of Michigan. Filed Apr. 18, 1924. Serial No. 707,394. 4 Claims. (Cl. 96—13.)



1. In a braider, a carrier comprising a base, standards rising from the base, a brake drum journalled in one of said standards, a brake shoe movable into and out of contact with said drum, a lever arm operably connected to said brake shoe, a spring normally holding said shoe against said drum, a reel operably connected to said drum, and tensioned means over which the wire from said reel passes for engaging said lever to release the brake shoe as the wire is fed.

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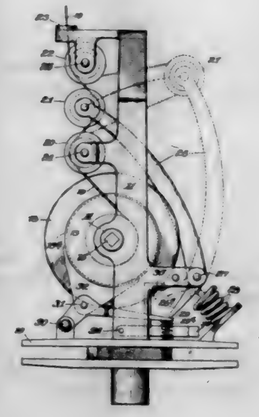
1,563,029. CARRIER FOR BRAIDING MACHINES. ARTHUR C. HOPKINS, Niles, Mich., assignor to National Standard Company, Niles, Mich., a Corporation of Michigan. Filed Apr. 18, 1924. Serial No. 707,395. 4 Claims. (Cl. 96—13.)

1. In a braider, a carrier comprising a base, means for rotatably supporting a spool thereon, a brake drum operably connected to the spool, two spaced members over which the wire from the spool passes, a lever arm pivotally mounted below the level of the center of said spool, a sheave carried thereby and movable toward and form said members, the loop of wire between said members passing over said sheave, a spring urging said



sheave away from said members, and means operable by said lever arm as it approaches said members for releasing said brake.

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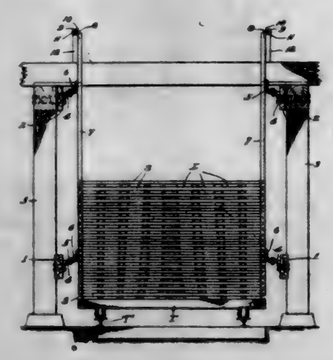
1,563,030. AUTOMATIC STICK GUIDE. CHARLES A. HUFFMAN, Longview, Wash., assignor to The Long-Bell Lumber Company, Longview, Wash., a Corporation of Missouri. Filed May 26, 1925. Serial No. 32,931. 4 Claims. (Cl. 214—6.)



1. A stick guide for lumber comprising oppositely-facing pivoted guides for receiving the ends respectively of a series of sticks, and adapted under pressure of the sticks when moved laterally to swing outwardly beyond the ends of the sticks to permit the latter to pass from position.

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1,563,031. SHAVING AND COSMETIC BRUSH. ARCHIE G. JONES, Richmond, Va. Filed Dec. 5, 1924. Serial No. 754,086. 7 Claims. (Cl. 15—184.)

1. In a device of the kind described, a hollow handle, a bristle carrying member mounted in the handle and cooperative elements on said handle and said bristle

carrying member for moving the latter into and out of the handle upon relative rotative movement of the handle and bristle carrying member, said handle being open at

each end whereby the bristle carrying member may be engaged by the finger of the user to effect relative rotative movement of said parts.

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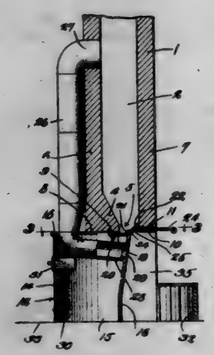
1,563,032. HEATING DEVICE. CAMERON ARTHUR KIDD, Ansted, W. Va. Filed May 6, 1925. Serial No. 28,454. 2 Claims. (Cl. 126—122.)



1. In a device of the class described, a partition having a flue, there being a transverse opening in the partition at the lower end of the flue, a drum mounted in one end of the opening and projecting outwardly beyond one side of the partition, means for admitting air into the lower portion of the drum, the drum including a top having an air outlet, a plate forming the back of the drum and forming the back of a fire place in the other end of the opening, the flue communicating with the fire place, a pipe communicating at its upper end with the flue, the lower end of the pipe being prolonged downwardly through the top of the drum and rearwardly within the drum, the lower end of the pipe communicating with the fire place, through the plate; a single damper controlling the passage of the products of combustion from the fire place into the flue, and means for operating the damper.

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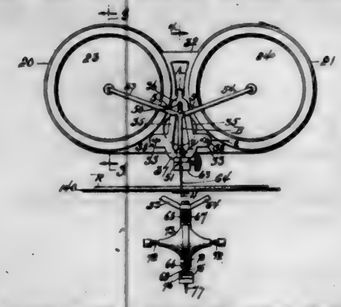
1,563,033. SOUND RECORDING AND REPRODUCING DEVICE. ANDRÉ JUNOD, New York, N. Y. Filed Oct. 3, 1921. Serial No. 504,967. 5 Claims. (Cl. 274—28.)

1. In a device of the character described, the combination of a pair of sound boxes, a diaphragm for each sound box, a stylus supporting bracket coacting with the diaphragms, a stylus for the said supporting bracket, the latter when coacting with a vertical cut record vibrating both diaphragms in the same direction and



when coacting with a lateral cut record vibrating the diaphragms in opposite directions.

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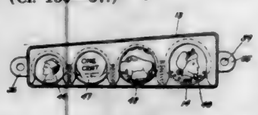
1,563,034. CHANGE CARRIER. JOSEPH L. LEVINE, Brooklyn, N. Y. Filed Feb. 4, 1925. Serial No. 6,737. 4 Claims. (Cl. 150—37.)



1. In combination with a pocketbook, purse, or handbag, a carrier comprising a casing having walls on its sides and ends, a housing adapted to slip into said casing, walls on one side and both ends integral with the housing, the walls of the housing lying adjacent the walls of the casing and within the latter, platforms slidable in the casing and housing forming coin elevators and conical spiral springs mounted beneath the platforms and adapted to lift the latter, and walls rigid with the casing formed by bending the same at an angle to their normal plane for providing separating elements between the platforms.

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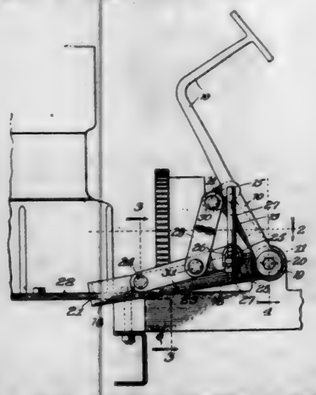
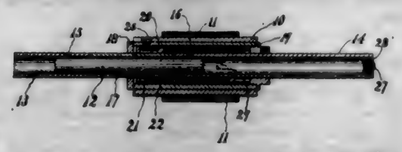
1,563,035. CLUTCH-OPERATING MECHANISM. JOSEPH S. LOSER, Hebron, Ill. Filed June 22, 1925. Serial No. 38,750. 5 Claims. (Cl. 74—81.)



1. In a clutch operating mechanism, a clutch operating shaft, a lever secured to said shaft, a clutch pedal journalled on said shaft, a stationary member, an arm hingedly connected thereto at one end, a rod hingedly connecting the opposite end of said arm and said clutch pedal, and a link hingedly connecting the end of said lever and a point on said arm intermediate its previously mentioned hinge points.



1,563,036. TENSION GRIP. FREDERIC L. MACALESTER, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Jan. 31, 1920. Serial No. 355,406. 12 Claims. (Cl. 242—7.)



1. A device of the character described comprising a pair of handles, a releasing handle rotatable with respect to the first named handles, a helically wound friction band one end of which is secured to one of the first named handles and the other to the releasing handle, a sleeve inclosing the friction band and secured against axial motion relative thereto, and a rag holding sleeve releasably secured to the first mentioned sleeve.

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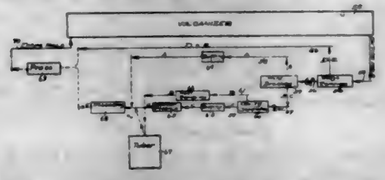
1,563,037. VULCANIZATION APPARATUS. GEORGE J. MEAD, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 3, 1921. Serial No. 449,526. 11 Claims. (Cl. 18—4.)



1. The combination of means for advancing a series of molds along parallel paths and means for simultaneously guiding and heating said molds during said advance.

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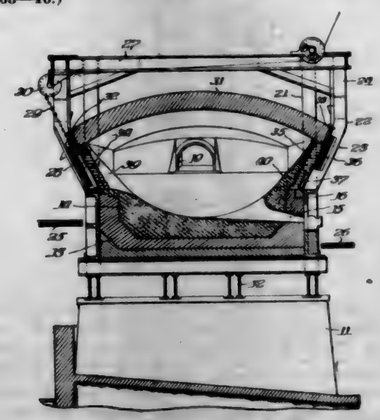
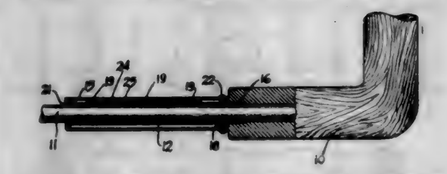
1,563,038. METHOD OF MAINTAINING OPEN-HEARTH-FURNACE WALLS. SAMUEL NAISMITH, Chicago, Ill., assignor to Open Hearth Combustion Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 10, 1924. Serial No. 748,963. 7 Claims. (Cl. 263—46.)



1. In an open hearth furnace or the like, a back wall inclining upwardly and outwardly throughout its extent at such an angle that the furnace lining material will lie on the wall surface and a furnace lining extending up said inclined wall substantially throughout its extent.

1,563,039. UMBRELLA-IDENTIFICATION MEANS. CLAIR DHU NEWELL, San Francisco, Calif. Filed Oct. 11, 1923. Serial No. 668,026. 3 Claims. (Cl. 40—19.)



1. In an identification device adapted to be applied to the handle rod of an umbrella and attached to the handle thereof, in combination, a bendable sheet of metal having one end thereof serrated and having an opening therein, the serrations being capable of insertion within the handle when the sheet is bent around the rod, means carried by the sheet for maintaining an identification card in fixed relation to the opening and a revoluble sleeve surrounding the bent sheet having an opening therein capable of revoluble alignment with the sheet opening.

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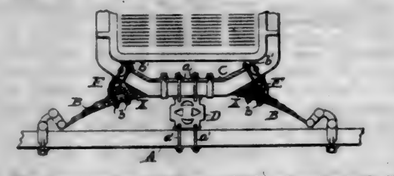
1,563,040. SHOCK ABSORBER. CLARENCE S. PRESTON, San Diego, Calif. Filed July 25, 1923. Serial No. 653,726. 5 Claims. (Cl. 267—30.)



1. The combination with a vehicle chassis, including a main supporting spring, of a shock absorber comprising a body of resilient material, a core of resilient material in the center thereof and running transversely therethrough, said body having voids arranged about said core and running parallel therewith, elastic webs suspended between the voids adjacent the central resilient core, whereby when said body of resilient material is subjected to shock the solid material thereof will be forced into the said voids, and means, comprising straps passing through said resilient body, for fastening the same to the adjacent portion of the chassis.

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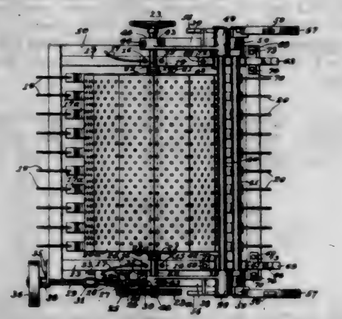
1,563,041. ELECTROPLATING APPARATUS. FORREST G. PURINTON, Waterbury, Conn. Filed Sept. 7, 1923. Serial No. 661,340. 17 Claims. (204—11.)



1. In an electroplating apparatus, a plating tank, a frame adapted to rock upon said tank, means to support said frame in equilibrium in separate plating, draining and dumping positions, a rotary plating barrel carried by said

frame, a counterweight secured to said frame to counterbalance the weight of said barrel and contents, whereby said barrel will remain in equilibrium in its plating, draining, and dumping positions.

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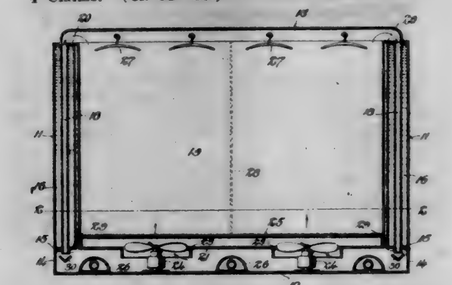
1,563,042. DRYING DEVICE. JOHN S. RONEY, Middletown, Ohio. Filed Mar. 24, 1924. Serial No. 701,544. 4 Claims. (Cl. 34—19.)



2. In a device of the character described, a receptacle adapted to receive damp or wet articles to be dried, means for forcing heated air or gas through said receptacle thereby to dry articles contained therein, a cooling device for precipitating moisture from said air or gas, after the same has been forced through said receptacle, means to convey the moisture precipitated from said air or gas to a point of discharge, and flanges on said cooling device or devices to direct moisture precipitated from said air or gas into said conveying means.

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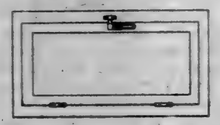
1,563,043. LOCKING DEVICE FOR SKYLIGHTS AND THE LIKE. KARL ROSENHEIM, Frankfort-on-the-Main, Germany. Filed Jan. 19, 1925. Serial No. 3,511. 4 Claims. (Cl. 292—164.)



1. In a locking device for skylights and the like, a housing, a locking bolt slidably mounted therein, a spring for normally holding the bolt in locking position, an operating handle having an open hook to engage the spring, the spring being extended beyond the housing to permit the free engagement of the open hook with said spring, the housing being formed with means to prevent the separation of the hook and spring when the former has been moved to spring operating position within the housing.

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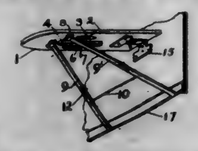
1,563,044. FOLDING WALL-MOUNTED IRONING BOARD. EARL V. SANDERS, Pawnee, Ill. Filed June 9, 1923. Serial No. 644,462. 1 Claim. (Cl. 68—10.)



In a device of the character described, the combination of a hingedly folding wall mounted ironing board, with a centrally disposed stiffening bar, detachably secured near the hinged joint in said ironing board, and hingedly jointed supporting legs, normally positioned divergingly downward, and adapted to rest against the line of the wall, and floor intersection, means provided for securely spacing said diverging support legs in a pre-determined relative position, means further provided in a detachable hinge pin, for optionally dismounting said ironing board from its normally hinged position on the wall.

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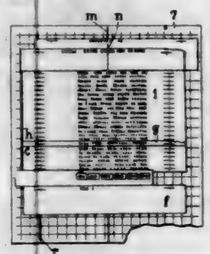
1,563,045. METHOD FOR PRODUCING SHEETS FOR PHOTOGRAPHIC REPRODUCTIONS, REPRODUCTIONS BY REFLECTED LIGHT AND THE LIKE. WERNER SCHÄFFER, Laupen-Bern, Switzerland, assignor to Polygraphische Gesellschaft, Laupen-Bern, Switzerland. Filed Oct. 22, 1923. Serial No. 670,031. 20 Claims. (Cl. 95—5.)



1. In a method of producing a reproduction sheet with a plurality of lines of characters, cutting the sheet transversely, and inserting a strip with a correct line of characters so that the strip and the sheet overlap.

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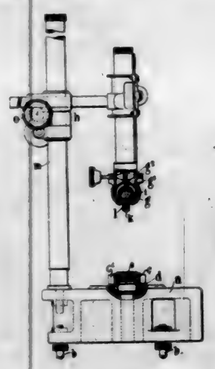
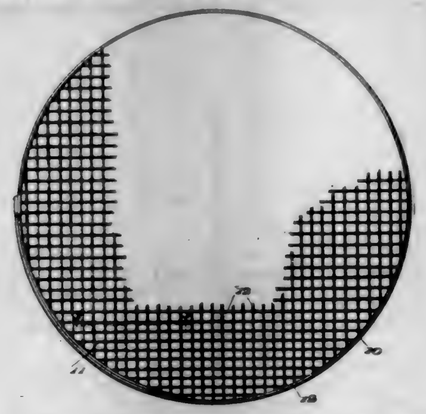
1,563,046. METHOD OF AND APPARATUS FOR MEASUREMENT AND/OR STANDARDIZATION. JOHN EDWARD SEARS, JR., and ARTHUR JOHN CHARLES BROOKES, Teddington, England; said John Edward Sears, jr., assignor to said Arthur John Charles Brookes, Bridgnorth, England. Filed Aug. 31, 1920. Serial No. 407,194. 6 Claims. (Cl. 33—143.)



6. Apparatus for the measurement or standardization of lengths comprising a base of relatively large mass, means for horizontalizing said base, a table mounted upon said base for supporting two or more columns to be measured or compared and said table being capable of accurate rotation in its own plane, a standard carried upon said base, a level, means whereby said level is supported from said standard and means whereby said level may be brought into contact with said columns so that it rests thereon under the influence of gravity alone and is restrained only from axial rotation by said means.



1,563,047. SAND RIDDLE. MITCHELL J. SOMERS, Springfield, Ohio. Filed May 9, 1925. Serial No. 29,169. 1 Claim. (Cl. 83—56.)



A screen for sand riddles consisting of a body formed of woven wire having regularly spaced apart upset portions leaving approximately flat portions of the screen between the upset portions and forming with said flat portions relatively sharp angles, said upset portions serving the double function of breaking up sand particles and reinforcing the screen and each upset portion presenting a plurality of faces and relatively sharp angles between the faces.

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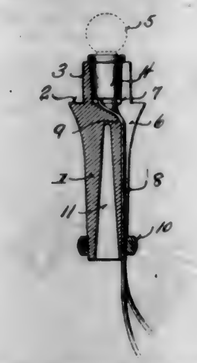
1,563,048. ELECTRIC-LIGHT HOLDER FOR CHRISTMAS TREES. GEORGE V. STIEN, Stevens Point, Wis. Filed Apr. 13, 1925. Serial No. 22,767. 2 Claims. (Cl. 248—42.)



1. A holder for Christmas tree lights comprising a body portion having an elongated tapered aperture therein for the reception of the stem of a tree, said holder having an upwardly extending shell for the reception of the light socket and having a slot cut in one side thereof from one end to the other for the reception of the cables from said socket, and means for holding said cables in position within said slot.

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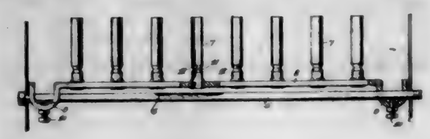
1,563,049. GAS BURNER. AUGUSTUS FRANKLIN THOMPSON, Huntington, W. Va. Filed June 11, 1925. Serial No. 36,400. 1 Claim. (Cl. 158—104.)

A gas-burner of the type herein disclosed embodying a bar supporting a plurality of burner-tubes and having each of its ends bent upon itself to form a U-shaped member, the two legs of each of these members being



provided with corresponding holes, a supply-pipe extending through said holes, and set-screws for removably holding the gas-pipe in said U-shaped members.

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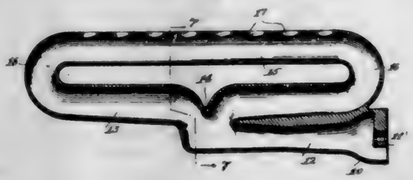
1,563,050. GAS BURNER. AUGUSTUS F. THOMPSON, Huntington, W. Va. Filed June 11, 1925. Serial No. 36,401. 1 Claim. (Cl. 158—104.)



In a burner of the type set forth, an elongated elliptical mixing-chamber consisting of two parallel tubes joined at their ends by curved connections, one of the tubes being provided with a series of burner-tip-holes along its length and the other tube being provided with a gas-and-air inlet midway of its length, a gas-and-air injector connected with said inlet, the tube wall opposite said inlet being extended inwardly to form a double deflector, for the purpose set forth.

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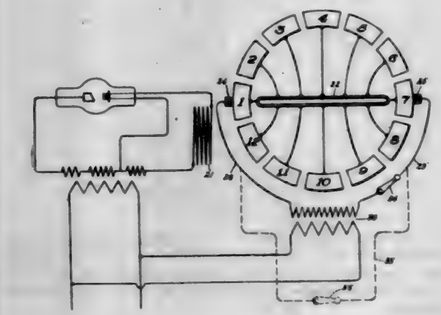
1,563,051. REGULATOR FOR INCLOSED ELECTRICAL APPARATUS. ELIHU THOMSON, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 11, 1923. Serial No. 667,952. 7 Claims. (Cl. 250—34.)



7. An electrical device comprising a sealed tank, an electrical discharge device contained therein having a cathode operable at incandescence, circuit connections in said tank for furnishing an alternating current to said cathode, an inductance coil in said heating circuit, an external inductance coil in inductive relation thereto,

a commutator having connections to different sections of said winding, and means connected in adjustable relation to said commutator for furnishing an alternating current in phase with said heating current.

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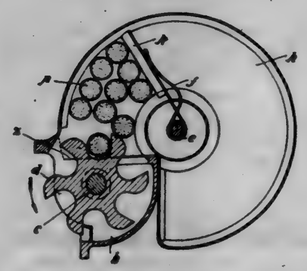
1,563,052. CARTRIDGE-FEED MECHANISM. HEINRICH VOLLMER, Wurttemberg, Germany. Filed Aug. 3, 1925. Serial No. 47,861. 3 Claims. (Cl. 89—33.)



1. A cartridge feed mechanism for automatic fire-arms, comprising a cartridge magazine substantially circular in cross-section and having a gap therein substantially equal to a quadrant thereof; said magazine having an aperture opening into said gap; and means projecting through said aperture into the magazine and adapted to discharge the cartridges through the aperture.

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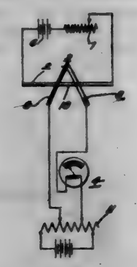
1,563,053. THERMOCOUPLE BULB FOR ELECTRICAL MEASURING APPARATUS. JAMES L. WEATHERWAX, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of New Jersey. Filed May 24, 1921. Serial No. 472,164. 6 Claims. (Cl. 175—183.)



1. In a thermal bulb for a measuring instrument, the combination with a current-conducting element serving as a heating element, of a thermocouple having each element thereof secured intermediate its ends to the heating element.

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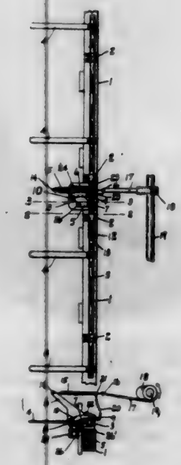
1,563,054. PILE DELIVERY FOR PRINTING PRESSES. JOSEPH C. WELAGE, Cincinnati, Ohio. Filed Sept. 27, 1924. Serial No. 740,320. 3 Claims. (Cl. 271—89.)

1. In an attachment for printing presses of the character described, in combination with the rear jogger and the cam or fly shaft of the said press and pile delivery mechanism, of a shaft supported on the rear jogger, guard fingers, attached to said shaft, means for oscillating said shaft, said guard fingers moving with said shaft as the same is oscillated, to bring said guard fingers down



upon the pile as each sheet is delivered by the fly delivery mechanism, and raising said fingers off of said pile at a predetermined time, to allow the fly delivery mechanism to deliver the next sheet.

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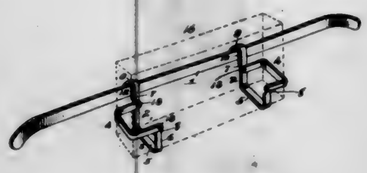
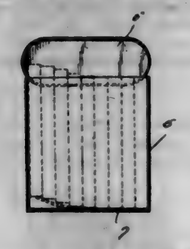
1,563,055. BAGGAGE CARRIER. WALTER L. WHALLON, Zanesville, Ohio. Filed Jan. 3, 1924. Serial No. 684,203. 3 Claims. (Cl. 224—29.)



1. A luggage carrier for motor vehicle bumpers embodying a pair of supporting appliances each embodying a stirrup-shaped member one of whose vertical bars is provided with a hook adapted to engage slidingly over the bumper bar to thus suspend the two stirrups in horizontal alinement on the bumper-bar, each stirrup being provided with a retaining-loop of stirrup shape having its ends pivoted on a horizontal axis to the aforesaid upright members of the hanger-stirrup, these retaining-loops being adapted to be swung to horizontal position toward either side and to be arranged, when not in use, in alinement with the hanger-stirrup, for the purposes set forth.



1,563,056. CONTAINER. CLARENCE E. WILLIAMS and JOHN B. STOUT, Bridgeport, W. Va. Filed June 16, 1924. Serial No. 720,260. 2 Claims. (Cl. 206—56.)



1. In a container of the character described, a tongue formed in the bottom wall of said container and adjacent one end thereof, whereby certain of the contents of the container may be discharged by pressing inwardly upon said tongue.

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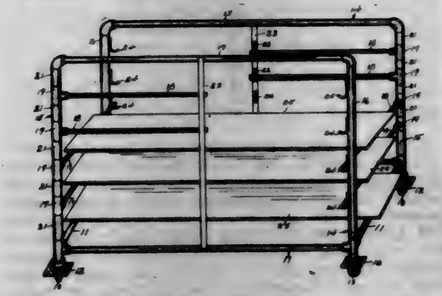
1,563,057. HANDLING TRUCK. JOB J. WILLIAMS, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed May 3, 1922. Serial No. 558,312. 2 Claims. (Cl. 211—14.)



1. A truck comprising a rectangular base, uprights at each corner of said base, arms hinged on each of two diagonally opposite uprights, said arms adapted for individual and independent movement, hooks on the remaining uprights to support the free end of said arms in operative position across the ends of the truck and means disposed at the sides of said truck to retain said arms when in inoperative position.

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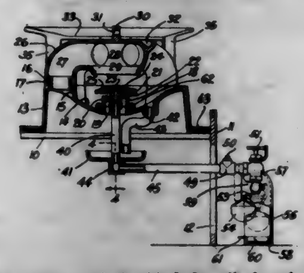
1,563,058. BURNER. WALTER E. WOLLHEIM, New York, N. Y. Filed Jan. 7, 1924. Serial No. 684,752. 12 Claims. (Cl. 158—91.)



11. In a burner of the kind described, a base having a bowl shaped top, a central oil supply nipple connected to the base, an overflow nipple screwed into the said bowl shaped top from the bottom of the base, at a point higher than its lowest portion, an overflow pan of open cup shape connected centrally with the said oil supply nipple, the said overflow nipple being bent over within the said base to run closely and parallel to the said oil supply nipple and to terminate slightly above, but within, the cup of the said overflow pan, and an oil supply pipe and an overflow pipe screwed in angular relation to the said oil supply nipple, directly into the said pan, the said pan having ducts communicating, respectively, the oil supply pipe with the said oil supply nipple, and the overflow pipe with the said open cup.

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1,563,059. DISK WHEEL. ELMER L. ACKER, Chicago, Ill. Filed May 15, 1922. Serial No. 561,106. 1 Claim. (Cl. 301—9.)

In combination with a wheel rim and a wheel hub having an outwardly extending flange, a relatively thick solid adapter disposed on the hub in intimate contact therewith throughout its thickness and to an extent substantially equal to the width of the rim and abutting said flange, means securing said adapter to said flange, the outer surface of the adapter adjacent its marginal edge inclining toward the plane of the hub flange, and a disk supporting said rim, said disk intimately fitting and being secured against the outer surface of said adapter and having a portion disposed at substantially the same inclination as said inclined surface directly engaging the latter and extending inwardly to an extent substantially equal to the width of the rim.

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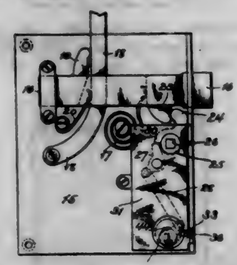
1,563,060. AUTOMOBILE DOOR LOCK. PETER F. AUGENBRAUN, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Original application filed June 30, 1922, Serial No. 572,004. Divided and this application filed June 16, 1923. Serial No. 645,796. 1 Claim. (Cl. 70—29.)



In a lock for automobile doors, the combination of a spring projected latch bolt, outside means for retracting said bolt, a deadlocking dog for said outside retracting means, a pitman connected with said dog, a pin tumbler lock, and connecting means between the plug of said

pin tumbler lock and the pitman, the said connecting means comprising a cam permanently connected with said pitman, a bar between said cam and the plug of the pin tumbler lock said cam a pin-and-slot connection between said bar and plug.

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1,563,061. OBTAINING VANADIUM VALUES, ETC. EMILE L. BALDESCHWIELER, New York, N. Y., assignor to Standard Development Company, a Corporation of Delaware. Filed Aug. 4, 1923. Serial No. 655,746. 7 Claims. (Cl. 23—18.)

7. The improvement in the art of obtaining vanadium, which comprises treating petroleum ash with an alkaline agent for removing the vanadium.

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1,563,062. AUTOMATIC THERMOREGULATOR FOR BOILERS AND OTHER FURNACES. THOMAS L. BARKER, Philadelphia, Pa., assignor to Philadelphia Steam Heating Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 11, 1922. Serial No. 574,314. 2 Claims. (Cl. 200—100.)

1. In a device of the character stated, a magnetic switch composed of a base and upright ends, a hollow tube having its terminals seated in said ends, solenoid magnets wound on the outer ends of said tube, rods above said magnets having their outer terminals secured in said upright ends, stationary contacts mounted on and insulated from the outer portions of said rods, insulated blocks slidable on said rods intermediate said stationary contacts, a movable contact carried by said blocks, arms depending from said blocks, said blocks, contact and pendant arms moving as a unit, an armature in said tube, a transverse pin in said armature projecting through slots in said tube, and a switch lever engaging said pin, the latter being adapted to contact with and actuate said pendant arms and moving contact when said armature is attracted to either of its extreme positions by the energising of either of said magnets.

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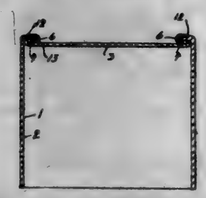
1,563,063. PAPER CONTAINER. GEORGE H. BARTLETT, San Francisco, Calif. Filed Apr. 26, 1922. Serial No. 556,696. 1 Claim. (Cl. 229—5.6.)



A paper can comprising a tubular body member having an end flange turned inwardly at right angles to the sides, a disk end closure turned upon itself to form a double thickness of material around its edge positioned within the can and with the doubled edge supported against the inwardly turned flange of the body, the edge of the disk continuing around the inner edge of the said flange and then being turned outwardly terminating within the inner diameter of the body member and compressed into the flange to form a substantially flush juncture and outer surface therewith.

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1,563,064. SCREW DRIVER. CLARENCE ALBERT BEARDMORE, Annapolis, Md. Filed Dec. 28, 1923. Serial No. 683,232. 4 Claims. (Cl. 145—52.)

2. A screw driver comprising a bit including a pair of blades which at their screw engaging ends are normally urged into inherently engaged relation, a pin member slidable longitudinally within a passageway provided through said bit, a cross pin movably carried by said bit for sliding longitudinally of the bit into cooperating relation with said pin, and a nut adjustable longitudinally of said bit for engaging said cross pin upon movement of the nut toward the blades whereby to force the same longitudinally of the bit into engagement with said first mentioned pin to move the latter into engagement with the blades for relatively expanding them at their screw engaging ends.

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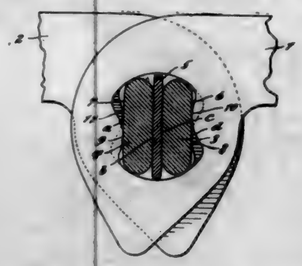
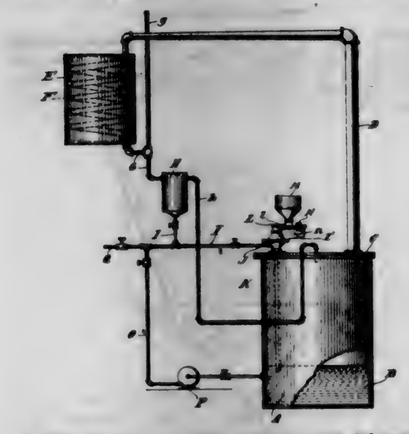
1,563,065. CHAIN AND PARTS THEREFOR. WARREN J. BELCHER, Hartford, Conn., assignor to The Whitney Mfg. Co., Hartford, Conn., a Corporation of Connecticut. Filed Oct. 31, 1923. Serial No. 671,838. 5 Claims. (Cl. 74—32.)



5. In a chain of the link type, a pin combrising two members having rectangular cross section placed side by side, a wear plate between said members, and curved surfaces on the links engaging said pin members.



1,563,066. PROCESS OF FEEDING SOLIDS OR SEMI-SOLIDS TO CHEMICAL APPARATUS. GEORGE A. BERRY, Somerville, N. J. Filed Aug. 9, 1920. Serial No. 402,167. 4 Claims. (Cl. 260—172.)



1. The process of feeding solid or semisolid material into a treating receptacle in which vapor is being generated, which consists in leading off vapor from the receptacle condensing the vapor, causing the condensate to flow back into the receptacle, and introducing the material into the path of the condensate so that it is commingled with the condensate and carried thereby into the receptacle.

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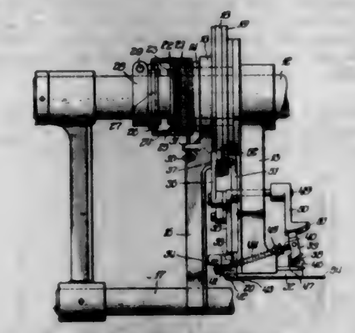
1,563,067. SHEET-GUIDE ADJUSTMENT. JOSEPH R. BLAINE, Oak Park, Ill., assignor to Miehle Printing & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 24, 1921. Serial No. 494,994. 9 Claims. (Cl. 271—52.)



1. In a printing press, the combination of a side gauge for registering sheet material, a shaft by which said side gauge is swung, and means on said shaft and operative coaxially therewith for adjusting the position of said gauge longitudinally of said shaft.

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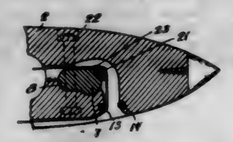
1,563,068. SELF-THREADING SHUTTLE. HENRY L. BONNEY, North Andover, Mass., assignor of one-half to George Gibson Brown, Lawrence, Mass. Filed Nov. 6, 1923. Serial No. 673,083. 4 Claims. (Cl. 139—220.)

1. A self-threading shuttle having a slotted side-delivery eye and a thread passage leading longitudinally from the bobbin chamber and transversely to said eye, a threading block disposed in the rear of the transverse portion of the passage and comprising an upright shank having a horizontally projecting beak at its upper end, a thread guide post mounted in the lower end of said shank at the vertex of the angle between said passage portions to cause the thread to be drawn against said post as it is drawn to said eye,



said shank being recessed in the rear of the thread engaged portion of the post and having thread tensioning material inserted therein and extending into the line of the thread as it is drawn about the post to engage the thread before and after it is drawn past the same and cause a drag on thereon at each point of engagement.

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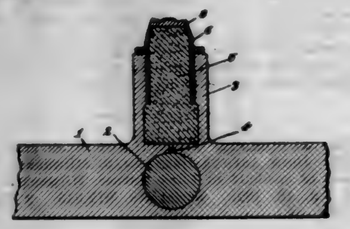
1,563,069. GREASE PLUG AND WRENCH. GEORGE M. BRADRICK, Los Angeles, Calif., assignor of one-half to Carmah E. Hodges, Springville, Calif. Filed Dec. 13, 1923. Serial No. 680,403. 4 Claims. (Cl. 184—48.)



3. A hollow grease plug consisting of a piece of pipe externally screw threaded and having one end crimped into a form resembling a cross or a star and welded to close the end.

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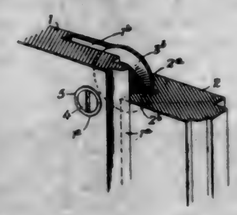
1,563,070. CLAMPING DEVICE FOR COMBINATION STORM AND SCREEN DOORS. HAROLD L. BRANDAU, Muscatine, Iowa, assignor to Huttig Manufacturing Co., Muscatine, Iowa, a Corporation of Iowa. Filed Apr. 30, 1925. Serial No. 27,011. 5 Claims. (Cl. 292—240.)



1. Means for securing a panel having a groove in its edge, in a door having a slot adapted to register with the groove in the panel when the latter is in place; said means comprising a beveled edge member adapted to be inserted in the slot and in one position to have its beveled edge engage the groove in the panel and clamp the latter in position; a rotatable stud extending into the slot and detachably engaging the disk, and

whereby the latter is retained in place in the slot and also may be rotated to cause its beveled portion to engage or disengage the groove in the panel; and means to retain the stud in place.

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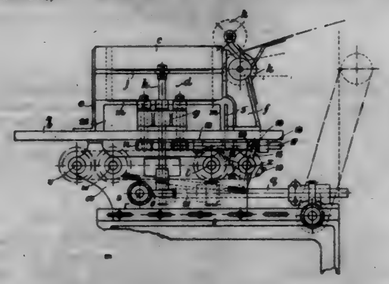
1,563,071. COLLECTOR FOR ARTICLES ON DELIVERY FROM PRINTING, PUNCHING, AND LIKE MACHINES. HENRY EDWIN FRANK BRECKNELL, Bristol, Gloucester, England; assignor to Brecknell, Munro & Rogers Limited, Bristol, Gloucester, England. Filed Dec. 29, 1923. Serial No. 683,453. 5 Claims. (Cl. 93—93.)



1. A collector comprising a receiving platform, consisting of at least one horizontally rotating sector, means for placing each article on the platform, guides for locating the article on the platform, means for moving the receiving platform to allow each article to fall separately, rotatable members forming a collecting platform, and guides below the receiving platform.

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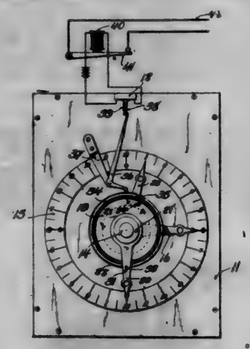
1,563,072. AUTOMATIC SWITCH FOR ELECTRIC CIRCUITS. JOHN ARTHUR BRENNEMAN, Milwaukee, Wis., assignor of one-half to Edna Turner, Milwaukee, Wis. Filed Jan. 16, 1923. Serial No. 612,945. 2 Claims. (Cl. 200—38.)



1. The combination of a clock, a shaft rotated thereby, a dial, a hand cooperating with said dial to indicate the time, an inner disk rigid with said shaft, an outer disk, means for securing said outer disk in different angular positions with respect to said inner disk, said outer disk having a groove therein and an opening extending from its cylindrical surface to said groove, a pointer carried by said shaft, a spring extending thru said opening into said groove and lying thruout a part of its length on the exterior surface of said disk, said spring being secured at its outer end to said pointer, means for securing said pointer in different angular positions with respect to said outer disk, a bell crank lever, means pivotally supporting said lever, one arm of said lever being disposed in cooperative relationship with said outer disk, whereby on the rotation of said outer disk, said spring is operative to actuate said lever, and means operative on the movement of said lever for closing an electric circuit.

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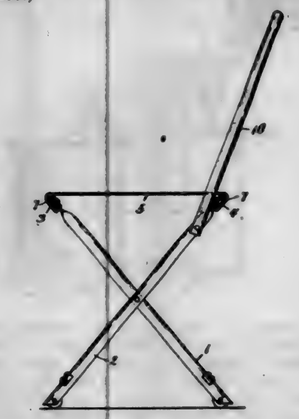
1,563,073. FOLDING CAMP CHAIR. JULIUS L. CABLE, Boston, Mass., assignor to The Cable Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 19, 1924. Serial No. 750,765. 4 Claims. (Cl. 155—187.)



1. A folding chair having a pair of semi-tubular metal cross bars, two pairs of pivotally connected crossed legs, each having an ear at its upper end extending between the corresponding end portions of the sides of said bars respectively, the portions of the sides of each bar between said legs being inturned to form retaining lips, a seat consisting of a textile strip having each end portion extending into one of said bars between the lips thereof and between one of its sides and the ears of the corresponding pair of legs, said strip having thickened end portions for engaging the inner sides of said lips and means for securing the end portions of the sides of the bars and the intervening ears and strip portions together.

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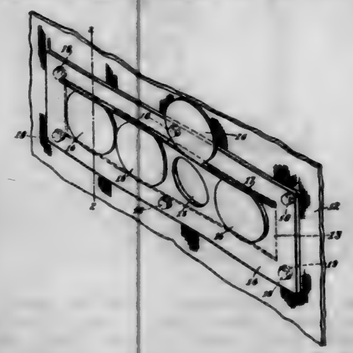
1,563,074. ACTINIC-RAY CHARTING DEVICE. DR FOREST B. CATLIN, Boston, Mass. Filed Jan. 7, 1925. Serial No. 1,133. 2 Claims. (Cl. 174—177.)



1. A charting device for actinic treatment of the skin comprising a major intercepting screen, adapted to be applied to a surface of the human body, and provided with a plurality of independent openings each adapted to expose a limited portion of said surface, and a corresponding plurality of minor intercepting screens, movably connected with the major screen, and each adapted to cover or expose one of said openings.



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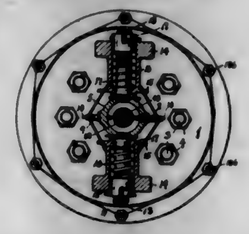
1,562,075. GOVERNOR. THOMAS E. CLARK and JAMES E. CLARK, Detroit, Mich., assignors to Continuous Train Control Corporation, Detroit, Mich., a Corporation of Michigan. Filed June 9, 1924. Serial No. 719,002. 10 Claims. (Cl. 246—182.)



5. In a governor, the combination of a vehicle wheel, weights mounted thereon adapted to be moved outward by centrifugal force, springs to move the weights inward, a switch for each weight adapted to be opened thereby when moving outward, conductor rings adjacent said weights and means to prevent the rings from rotating, contacts rotatable with said wheel and in contact with the rings, and conductors to carry current to said rings and from the contacts to the switches.

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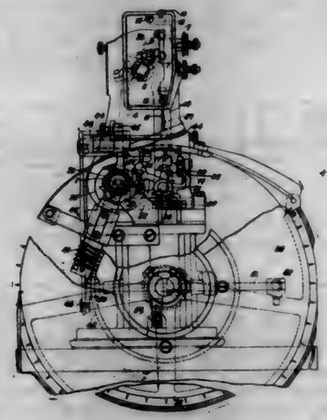
1,562,076. SEWING MACHINE. HERBERT CORBALL, Helensburgh, and BERTRAM AMBROSE STEVENS, Clydebank, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Oct. 11, 1920. Serial No. 416,147. 5 Claims. (Cl. 112—203.)



3. In a sewing machine, a main shaft, a pendulous carrier pivoted on an axis parallel to said shaft, a needle-bar mounted for reciprocation in said carrier, a looper sustained by said carrier, a feeding member rotatable around an axis parallel to said shaft, positively acting connections between said shaft and said feeding member for imparting continuous rotary movement to said feeding member, and a cam on said shaft for oscillating said carrier about its pivot.

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1,563,077. FABRICATED STRUCTURAL MEMBER. GEORGE H. DANFORTH, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 2, 1924. Serial No. 703,652. 10 Claims. (Cl. 189—37.)

1. A rolled shape having straight continuous margins and an open work web strengthened by longitudially extending stiffening bars rigidly secured to the web members on opposite sides above its middle axis.

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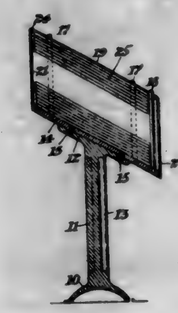
1,563,078. DISPENSER FOR NAPKINS AND THE LIKE. GEORGE G. ERDOS, Brooklyn, N. Y., assignor to Independent Paper Mills Inc., Brooklyn, N. Y., a Corporation of New York. Filed Apr. 14, 1923. Serial No. 631,991. 8 Claims. (Cl. 211—29.)



1. In a device for dispensing sheets of paper and like material, an inclined base adapted to support a pile of superimposed sheets placed thereon, and a cover device adapted to extend over and to rest upon the top of the said superimposed pile of sheets, and having an opening therein whereby a portion of the outermost sheet adjacent the said opening in the cover is caused to separate from the next adjacent sheet, thereby facilitating the withdrawal of the outermost sheet from the superimposed pile thereof.

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1,563,079. ALLOY. CHARLES ALEXANDRE FONTANE, Paris, France, assignor to Emile Conti, Alfortville, France. Filed Feb. 2, 1924. Serial No. 690,302. 1 Claim. (Cl. 75—1.)

An alloy consisting of:—95 to 96% aluminium, 4 to 3% copper, 0.8 to 0.2% manganese, 0.2 to 0.8% silver.

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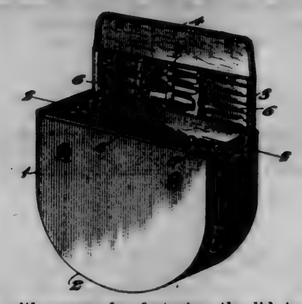
1,563,080. COMBINATION HAT CARRIER AND OVERNIGHT BAG. HARRY S. FORST, Philadelphia, Pa., assignor to Hugo Barol, Philadelphia, Pa. Filed Nov. 8, 1923. Serial No. 673,425. 3 Claims. (Cl. 206—8.)

1. A hat carrier and overnight bag consisting of a body having front and rear walls which are flat and which are arranged in parallelism, and side walls which are flat

for a portion of their extent and which terminate in a rounded bottom, a flat covering lid, and a foldable flap on



the lid with means for fastening the lid to the body, said body having on an inner side thereof receiving pockets for travelling convenience.

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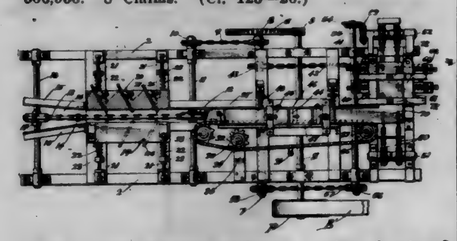
1,563,081. BRICK-CLEANING MACHINE. SAMUEL M. FUNK, Decatur, Ill. Filed June 9, 1922. Serial No. 566,953. 8 Claims. (Cl. 125—26.)



1. In a brick cleaning machine, a series of sets of scraping mechanisms, and continuously acting conveyor means for advancing continuously on a longitudinal edge the bricks to be cleaned successively from one mechanism to another along the series so that parallel faces are concurrently subjected to a scraping and cleaning action to remove adhering mortar.

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1,563,082. PUMP. HENRY M. GREEN, Los Angeles, Calif., assignor to Earl P. Hopkins, Council Bluffs, Iowa. Filed June 22, 1922. Serial No. 570,248. 13 Claims. (Cl. 103—225.)

1. A pump plunger including a central tubular member, a shell surrounding and attached to said member and providing an open top chamber for the reception of a packing medium which is adapted to be expressed from said chamber to expand outwardly against a contiguous surface in a pump tube, and means for expressing the packing medium from the said shell when said means is held at rest and the plunger is lowered relatively.

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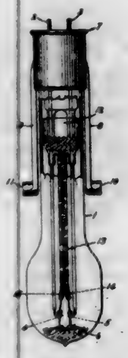
1,563,083. ELECTRIC ARC DEVICE. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Sept. 27, 1922. Serial No. 590,981. 6 Claims. (Cl. 176—45.)



1. An electric discharge device comprising a sealed envelope, solid electrodes therein, a body of liquid conductive material adjacent said electrodes, and means constructed to receive a part of said material when the device is tilted and providing a conduit whereby the received material may be projected to bridge the gap between said electrodes when the device is restored to an operating position after having been tilted.

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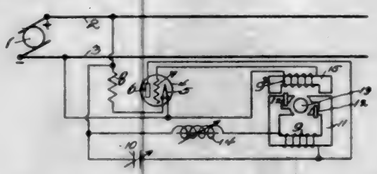
1,563,084. SYSTEM FOR OPERATING ALTERNATING-CURRENT MOTORS FROM DIRECT-CURRENT SOURCES. JESSE HARRIS, La Fayette, Ind., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind., a Corporation of Illinois. Filed May 5, 1924. Serial No. 711,054. 4 Claims. (Cl. 172—275.)



1. The combination with a source of direct current; of a thermionic valve employing a heating element, an output electrode, and a grid; and a motor including a winding connected between the source of direct current and the output electrode of the valve and a winding in secondary relation to the aforesaid winding and having one terminal connected with the grid of the valve and its other terminal connected with the source of direct current.

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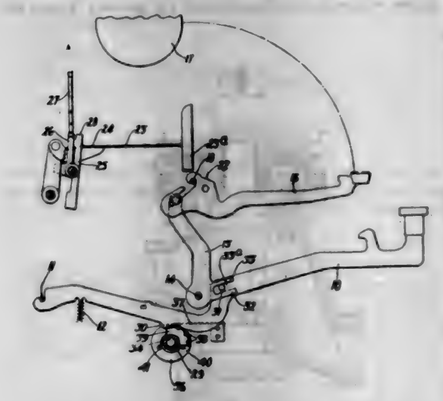
1,563,085. TYPEWRITING MACHINE. WILLIAM F. HELMOND, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 1, 1922. Serial No. 533,222. 4 Claims. (Cl. 197—27.)

1. In a typewriting machine, the combination of a platen, key-levers, type-bars, bell-cranks connecting the key-levers with said type-bars, a revoluble stop disposed beneath the key-levers to arrest them, each bell-crank having a lost-motion connection with its key-lever to allow the type-bar to travel by its attained





momentum to print against the platen after the key-lever has been arrested, and means to adjust said stop about its axis to vary the distance the type-bar may travel after the key-lever has been arrested.

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1,563,086. MORPHINE SOLUTION. CHARLES W. HOOPER, Jamaica, N. Y., assignor to H. A. Metz Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 8, 1924. Serial No. 742,425. 15 Claims. (Cl. 167—7.)

1. A solution of morphine containing a sulphur reducing agent to stabilize and prevent oxidation of the morphine.

15. A sterile stable solution of morphine in water containing novocaine and magnesium sulphate and sodium bisulphite in the proportion of about 100 c. c. of water, about 0/5 gram morphine, 2.5 gram of novocaine, about 50 grams of magnesium sulphate and about 0.1 gram of sodium bisulphite.

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1,563,087. ANALGESIC AGENT AND METHOD OF PREPARING THE SAME. CHARLES W. HOOPER, Jamaica, N. Y., assignor to H. A. Metz Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 22, 1925. Serial No. 3,950. 8 Claims. (Cl. 167—7.)

1. An analgesic agent comprising a sterile aqueous solution of magnesium sulphate containing a relatively small amount of novocaine.

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1,563,088. GARMENT POCKET. FRANK IPPOLITI, Philadelphia, Pa. Filed Nov. 14, 1924. Serial No. 749,835. 2 Claims. (Cl. 2—247.)

2. In combination with a garment section, an outer pocket section stitched from its inner side a short distance from its raw edge to the garment section, thus forming an inwardly turned flap; and a lining provided with an outwardly turned flap stitched to the inner side of the inwardly turned flap on the pocket section.



1,563,089. SCALE BEARING. LOUIS JAENICHEN, Detroit, Mich., assignor to The Standard Computing Scale Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 15, 1923. Serial No. 657,481. 4 Claims. (Cl. 265—27.)

1. In a scale, a load receiver, legs extending downward therefrom and having notches in their lower ends, pins extending across said notches, clips pivotally mounted on said pins in the notches, and bearing blocks mounted in said clips, said legs being formed of two parts rotatable with respect to each other.

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1,563,090. TOY MOTION-PICTURE DEVICE. LELAND A. KING, Chicago, Ill. Filed Aug. 4, 1924. Serial No. 729,934. 3 Claims. (Cl. 88—16.)

1. In a motion picture device of the character described, the combination of a flat disc-like member having circumferentially-spaced-apart sight openings and having pictures on both sides operatively positioned in relation to said sight openings for motion picture effects, a supporting member on which the disc-like member is rotatably mounted, the supporting member having a shield part face to face with the disc-like member, said shield part being of insufficient extent to cover the disc-like member whereby some picture matter on the disc-like member faced toward the supporting member is exposed to view while other of such matter is covered by the shield part, the shield part having a sight opening registering successively with the sight openings in the disc-like member when the latter is rotated, the arrangement being such that the operator may look in either direction through the registering sight openings toward a mirror and obtain motion picture effects by reflection of the pictures on the side of the disc-like member facing the mirror.

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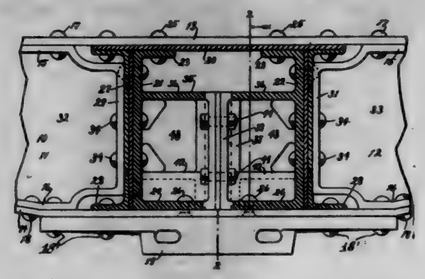
1,563,091. CAR UNDERFRAME. CHARLES C. KINSMAN, Chicago, Ill., assignor to Universal Draft Gear Attachment Co., a Corporation of Illinois. Filed Mar. 10, 1925. Serial No. 14,378. 9 Claims. (Cl. 105—228.)

2. In a car underframe construction, a bolster, a pair of draft arms secured to said bolster and extending

transversely thereof, and means including a channel member extending transversely to said arms and in the



plane of said bolster for spacing said arms apart, said means being provided with an aperture for receiving a coupling pin.

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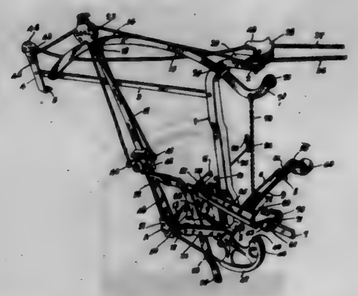
1,563,092. ATTACHMENT FOR MOTOR VEHICLES. ALFRED W. KNUTSON, Galesburg, Ill., assignor to Alvin V. Rowe, Galesburg, Ill. Filed June 4, 1920. Serial No. 386,586. 17 Claims. (Cl. 180—77.)



1. An attachment for motor vehicles to convert same to rein control, including means for connection with the steering appliances; means for connection with the fuel control means; means for shifting the control lever; means for actuating the clutch lever, and rein means operatively connected with said steering connecting means and with said fuel control and control lever connections and clutch lever actuating means, so as to allow of selective operation of the steering appliances independently of said other appliances, and to operate the fuel control means independent of said other appliances, and for operating said clutch lever, control lever and fuel supply means independent of said steering appliances.

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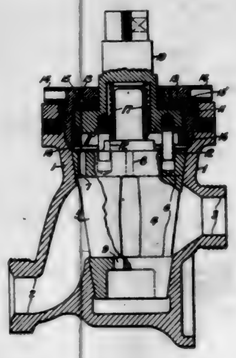
1,563,093. SPIGOT COCK. JOSEPH LAWSON, Great St. Helens, London, England, assignor to The Asiatic Petroleum Company, Limited, Great St. Helens, London, England. Filed June 29, 1925. Serial No. 40,336. 5 Claims. (Cl. 251—98.)

1. In a spigot cock for controlling the flow of a fluid, the combination of a casing, an inlet to the casing and an outlet therefrom, a taper plug rotatably mounted therein, a spindle for actuating said plug, said spindle being separate from said plug, means for allowing slight relative movement between said plug and actuating spindle, a cap for retaining the actuating spindle in position, means for securing the cap to the casing, means for admitting the fluid to the wide end of the plug, a flange on said actuating spindle, a packing interposed between said flange and said cap and adapted to prevent leakage of the fluid past the actuating spindle, an adjustable ring on said cap adapted to move the flange on the actuating spindle towards said cap, whereby a certain degree of pressure is imparted to the packing, means for



admitting the fluid to said flange whereby the packing is compressed between said flange and cap, and a spring which holds the plug on to its seating, said spring being light but sufficiently strong to prevent the plug from leaving its seating.

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1,563,094. VELOCIPEDE. RICHARD G. LEDIG, Philadelphia, assignor to A. Mecky Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 11, 1925. Serial No. 22,359. 7 Claims. (Cl. 208—93.)

1. In a device of the character stated, a lower longitudinal frame member, a crank shaft hanger engaging the same and slidable thereon, a reinforcing sleeve interposed between said longitudinal frame member and said crank shaft hanger, a seat-frame member, and means common to said seat-frame member and said crank shaft hanger for fixing said crank shaft hanger upon said lower longitudinal frame member and for adjustably securing said frame member to said crank shaft hanger.

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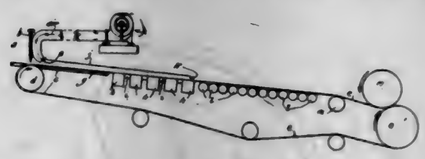
1,563,095. PAPER-MAKING MACHINE. ALEXANDER J. LEWTHWAITE, Portland, Oreg. Filed Mar. 7, 1922. Serial No. 541,689. 4 Claims. (Cl. 92—44.)

1. The herein described method of inducing quiescense in the sheet of stock as emitted by the slice in paper



making, consisting in directing a confined stratum of air to overlie the sheet and travel therewith at substan-



tially the same rate of speed and in the same direction during the length of travel of such sheet necessary for the drainage of the major portion of the water therefrom.

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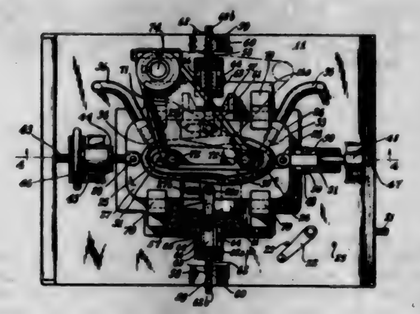
1,563,096. METHOD OF AND APPARATUS FOR PRESSING FOOTWEAR. FRANK J. MACDONALD, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed May 19, 1924. Serial No. 714,288. 16 Claims. (Cl. 18—2.)



4. Apparatus for pressing footwear, said apparatus comprising a naturally U-shaped bag adapted to fit about the work adjacent the sole portion thereof, and backing means for closing the legs of the U-shaped bag toward each other.

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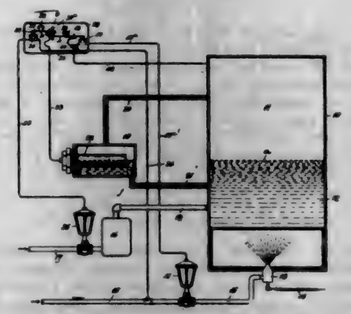
1,563,097. AUTOMATIC CONTROLLER FOR LIQUID LEVELS. HERBERT P. MILKES, Brooklyn, N. Y., assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 1, 1921. Serial No. 448,818. 22 Claims. (Cl. 122—448.)



1. The combination of a container holding a gaseous fluid and a liquid, means for supplying said liquid to said container, thermo-sensitive means tending to automatically control said supplying means to maintain said liquid at a predetermined level in said container and means whereby the effects of physical changes in one or both of said fluids upon said thermo-sensitive means and tending to affect the operation thereof are neutralized.

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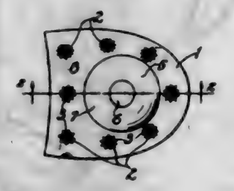
1,563,098. RUBBER HEEL. JOSEPH H. MILLER, St. Louis, Mo., assignor of one-half to Emil Schlamp, St. Louis, Mo. Filed Jan. 10, 1925. Serial No. 1,591. 7 Claims. (Cl. 36—35.)



1. A rubber heel having a portion of its body projecting from its tread surface to form a cushion united to the heel in the plane of said surface, and provided with a recess above the cushion complemental in shape thereto.

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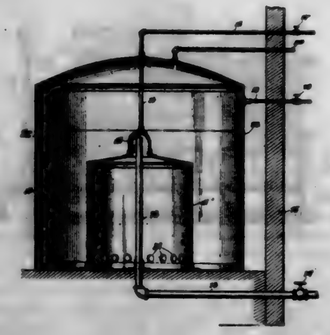
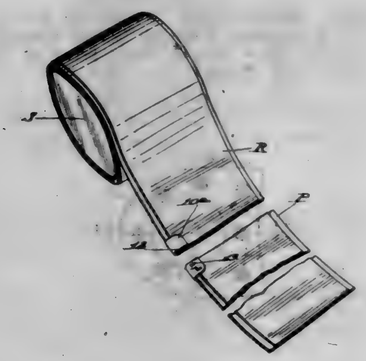
1,563,099. METHOD AND APPARATUS FOR STORING OIL. WILLIAM CULLEN MORRIS, Flushing, and GEORGE E. WOODS, Astoria, N. Y. Filed July 19, 1924. Serial No. 726,922. 2 Claims. (Cl. 220—13.)



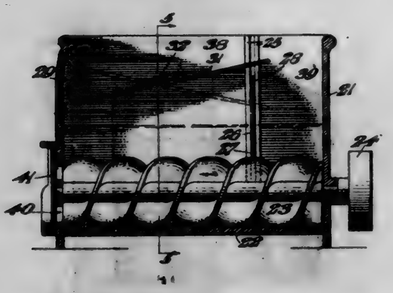
1. A storing and delivering apparatus for oil and the like, comprising an exterior tank closed at top, bottom and sides, a second tank secured on the bottom of the exterior tank and within the same, the top of the inner tank being closed and its sides perforated adjacent the bottom, the top of the inner tank having a small central dome, a vent pipe leading to the atmosphere from said dome and passing through the top of the exterior tank, a second vent pipe in the top of the exterior tank, means for admitting water to the outer tank, and a single oil conduit entering substantially at the center of the bottom, terminating in said dome and adapted to selectively fill or drain the inner tank.

1,563,100. RIBBON MEASURING AND RECORDING DEVICE. WILLIAM A. MYERS, Riverside, Calif., assignor of one-half to Walter E. Myers, Inglewood, Calif. Filed July 5, 1924. Serial No. 724,370. 4 Claims. (Cl. 33—128.)



1. In combination with a spool of ribbon or the like, paper disposed between the layers of said ribbon, tabs arranged along one lateral edge of said paper, and indicia on said tabs for indicating the amount of ribbon withdrawn from said spool.

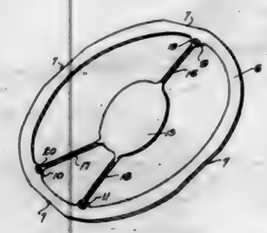
1,563,101. MIXING MACHINE. CHRISTOPHER OFFENHAUSER, Philadelphia, Pa. Filed July 7, 1922. Serial No. 573,283. 7 Claims. (Cl. 259—46.)



4. In a mixer, a casing, a feed conveyor in the bottom of said casing, said casing having a controllable discharge outlet, an adjustable partition dividing said casing into a discharge compartment and an inlet compartment and in free communication with said feed conveyor throughout the length of said compartment, a laterally extending baffle fulcrumed to lie within said discharge compartment and rotatably adjustable, and means to fix said laterally extending baffle in its adjusted position.

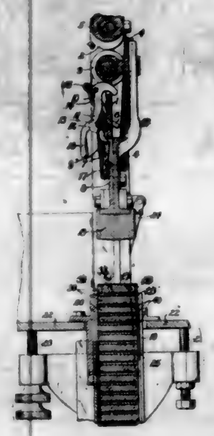
1,563,102. ANTIGLARE ATTACHMENT FOR HEADLIGHTS. ROBERT A. OSBURN, Birmingham, Ala. Filed Feb. 5, 1925. Serial No. 7,163. 9 Claims. (Cl. 240—48.4.)

1. An anti-glare attachment for headlights, comprising a bracket having a plurality of narrow radially disposed supporting legs, marginal means to mount the bracket in the lamp by means of said legs, and means to



mount a small mirror on the bracket with an upward inclination and in position to intercept the central zone of direct rays from the headlight.

1,563,103. MEANS FOR AND METHOD OF ASSEMBLING COMPOSITE HEEL BLANKS. DENNIS PARKS, St. Louis, Mo. Filed Jan. 31, 1924. Serial No. 689,790. 8 Claims. (Cl. 12—50.)



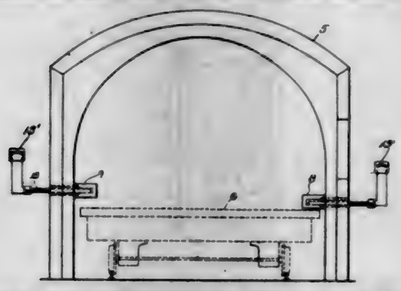
1. In a machine for use in assembling composite heel blanks of rubber and leather, in combination with a container for receiving and maintaining the heel blanks in column formation and a movable presser head for forcing the heel blanks downward in the container, a series of yielding guide members located at the top of the container and adapted when at rest to position the rubber heel inserted in the container and movable to permit the passage by them of a leather base applied to the rubber heel and larger than the same.

1,563,104. MEANS FOR MEASURING TEMPERATURES. OTTO PEDERSEN, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed Jan. 3, 1921. Serial No. 434,580. 3 Claims. (Cl. 73—32.)

1. In combination, a furnace for enclosing articles to be heat treated, a plurality of test blocks closed at one end and being of a construction to simulate the heat



conveying features of articles to be heat treated in said furnace, said blocks being fixed to the inside wall of said furnace to expose same to the heat of said furnace, and

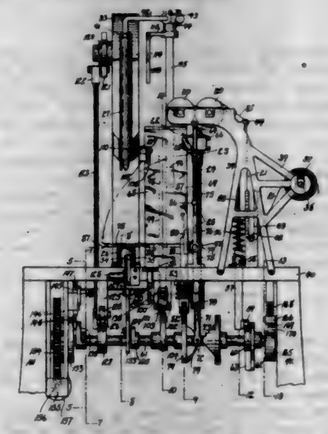


means communicating with the interior of said blocks and with the exterior of said furnace for measuring the temperature at the interior of said blocks.

1,563,105. ELECTRICAL ATTACHMENT PLUG. HARRY R. PENNINGTON, Chicago, Ill., assignor to John A. Amos, St. Louis, Mo. Filed Apr. 25, 1923. Serial No. 634,425. 3 Claims. (Cl. 200—115.5.)

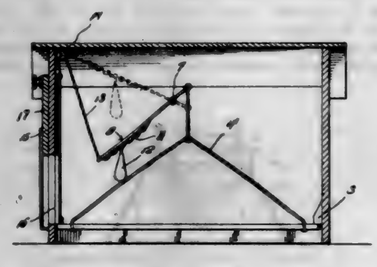
1. An electrical attachment plug comprising a two part casing, one of which is provided with fuse terminals, a fuse, and resilient clamping means carried by the other part of the plug to hold the fuse in engagement with the terminals when the plug parts are in assembled relation.

1,563,106. TEA-BALLING MACHINE. JOHN PIERCE, Southbury, Conn. Filed Aug. 7, 1924. Serial No. 730,764. 8 Claims. (Cl. 93—8.)



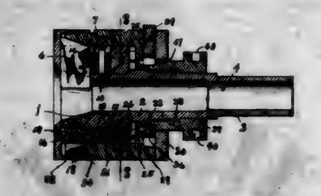
1. A tea-balling machine having a plunger and a die, means for supplying tea in predetermined amounts thereto, and means for automatically feeding bag-blanks at predetermined intervals horizontally between the said die and plunger prior to the descent of the plunger into the die, the said means including a fly constructed for the passage through it of the plunger.

1,563,107. CHICKEN COOP. CHARLES L. PLUNKETT, Monte Vista, Colo. Filed Mar. 17, 1925. Serial No. 16,163. 3 Claims. (Cl. 119—19.)



1. In a chicken coop, a housing provided with an entrance opening, a sliding gravity lowered door for said opening, a depressible floor, side suspension members connected with said floor, an arch pivotally connected with said suspension members, a shaft supported in said housing, a frame pivotally mounted upon said shaft and connected with said arch, means for adjustably mounting a weight upon said frame, a counterbalanced weight connected with said means, a flexible connection between said frame and door, and a pulley over which said means is passed.

1,563,108. THREAD-CUTTING DIE. ALBERT J. PRANCE, Detroit, Mich., assignor to Murchey Machine and Tool Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 12, 1923. Serial No. 612,226. 3 Claims. (Cl. 10—95.)

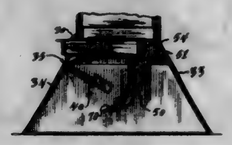


1. A die comprising a cylindrical body having radial grooves in its forward end, spring pressed chasers slidable in the grooves, a cap to keep the chasers in the grooves, a spring pressed sleeve slidable on the body and having a circumferential inclined surface engaging the chasers and adapted to move them inward when the sleeve is moved forward, a nut adjustably mounted on the body and having a shoulder to determine the operative position of the sleeve and of the chasers, a trip ring carried by the sleeve and adapted to lie in front of said shoulder to hold the sleeve forward, and a spring to hold the trip ring in front of said shoulder.

1,563,109. VENDING MACHINE. JOHN C. QUINTIN, Alhambra, Calif., assignor to Harry Woollen, Los Angeles, Calif. Filed Dec. 28, 1924. Serial No. 757,664. 2 Claims. (Cl. 194—85.)

1. In a vending machine for a coin of a given denominator, front and rear walls, end walls, a bottom wall and a top wall, all coacting to provide an enclosed coin receiving chamber; the top wall being adapted to

support a plurality of stacks of articles to be vended, a rock shaft extending transversely from one end of the wall to the other through said chamber, forked arms spaced along said shaft and loosely mounted thereon; the shaft extending transversely through a part of the forked portion of each arm; the closed end of each forked arm being disposed rearwardly of the shaft and terminating in an ejecting lug, a plurality of fixed arms carried by the shaft; one for each fork and being disposed within the forked part thereof; each fixed arm having a rearward extent arranged to abut the closed end of the forked arm adjacent the lug to hold the forked arm in normal position; each fixed arm having a forward extent adapted to move through the forked



end of the forked arm without moving same, a coin chute for each arm extending inwardly and downwardly from the front wall and arranged to discharge a coin flatwise on the forked end of the arm in such position as to be abutted by the fixed arm when the shaft is rocked forwardly; the forward extent of the fixed arm being spaced above the corresponding part of the forked arm when the rear extent is abutting the rear end of said forked arm, and a handle attached to the rock shaft externally of the chamber walls; the normal position of the parts being such that slight forward movement of the rock shaft will result in a coin resting on a forked end being so inclined as to slide off by gravity when free to do so.

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1,563,110. ROTOR FOR ELECTRICAL MACHINES. WILHELM REGELEIN and RICHARD SAMEITH, Mulheim-on-the-Ruhr, Germany, assignors to the Firm Thyssen & Co., Aktiengesellschaft, Mulheim-on-the-Ruhr, Germany. Filed Sept. 15, 1924. Serial No. 737,813. 2 Claims. (Cl. 171—206.)

1. In a rotor for electrical machines: the combination with a slotted core, coils on the periphery thereof, and coil holders inserted in said slots having heads at their outer ends, of means extending between the heads of adjacent coil holders comprising keys so shaped and arranged that together with the outer heads of the coil holders they tangentially tighten the rotor circumference and pull the coil holders in radially outward direction without increasing the pressure on the rotor coils, substantially as set forth.

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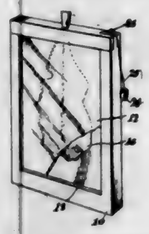
1,563,111. TOY. ROY RIES, Hollywood, Calif. Filed Jan. 30, 1925. Serial No. 5,774. 3 Claims. (Cl. 46—37.)

1. A toy comprising a frame, a transparent panel in said frame forming a front wall of a cavity therein, means for forming a back wall for said cavity, a member removably positioned between said front and back walls defining top, bottom and side walls for said cavity which outline a desired object, a passage communicating



with said cavity, and a closure for said passage, whereby a fluid material may be poured through said passage into said cavity and maintained therein.

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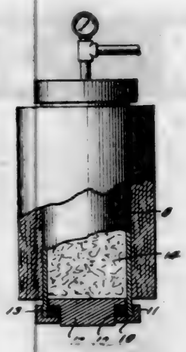
1,563,112. QUICK-SEALING CLOSURE FOR REFRIGERATING DEVICES. THOMAS B. SLATE, New York, N. Y. Original application filed Jan. 10, 1924. Serial No. 685,482. Divided and this application filed Apr. 10, 1924. Serial No. 705,595. 2 Claims. (Cl. 220—3.)



1. In apparatus of the class described, a container for cake material of uniform cross-section open at one end thereof, said container having its open end provided with spaced threaded portions, a flange ring having corresponding spaced threaded portions adapted for quick removal and replacement on the open end of the said container, a closure having an area substantially equal to the maximum cross-section of the container and slidably seated within the open end of said container, and an elastic ring interposed between the closure and the inturned flange of the flange collar to effect an air-tight joint when the pressure is exerted on the closure from within the container.

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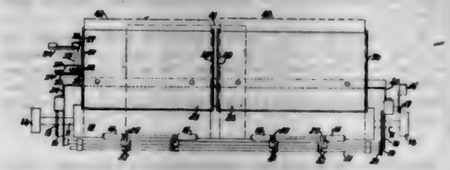
1,563,113. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 30, 1922. Serial No. 591,456. 8 Claims. (Cl. 197—127.)

1. In a typewriting machine, a platen, means for positively positioning individually a pair of related worksheets side by side in non-overlapping relation, said means comprising collating tables arranged side by side and independent of each other and above the platen at the front thereof, the lateral edges of each table provided with edge gages, the structures of the respective adjacent edge gages being independent of each other, paper-feeding means to feed both work-sheets around the



platen in unison, and tally-strip feeding mechanism to feed a tally-strip around the platen independently thereof and in position to underlie the adjoining edges of both work-sheets.

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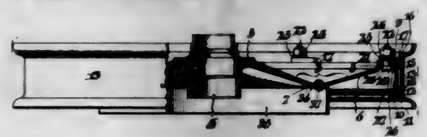
1,563,114. VEHICLE WHEEL. JOHN W. SMITH, Philadelphia, Pa. Filed Apr. 3, 1923. Serial No. 629,584. 6 Claims. (Cl. 301—63.)



5. A vehicle wheel comprising a one-piece wrought metal disk including an integral hub with a surrounding medially disposed web of conically dished and radially diminishing gage, said web having its peripheral portion flanged and flared to provide a rim locating seat, and means for seating a brake drum concentrically on the aforesaid disk.

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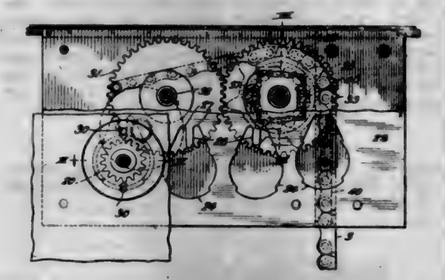
1,563,115. WINDOW-CONTROLLING DEVICE. HARRY P. STEVENS, New York, N. Y. Filed May 20, 1924. Serial No. 714,624. 9 Claims. (Cl. 74—7.)



1. In a controlling mechanism for a window or the like, a suitable housing therefor comprising a cover plate on one side thereof, raising and lowering mechanism located within said housing, said cover plate having a plurality of openings, a bearing member adapted to be retained in any one of said openings, and an operating member which is adapted to be supported in said bearing member and engage said mechanism.

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1,563,116. ADJUSTABLE SHELVING AND SERVICE DEVICE. JAMES D. TINSLEY, near Bakersfield, Calif. Filed Oct. 13, 1923. Serial No. 668,292. 5 Claims. (Cl. 211—27.)

1. An article supporting member for adjustable shelving, embodying an elongated base, vertical flanges along the parallel sides of the base, an upright substantially midway between and paralleling the flanges, and horizontal rollers rotatably supported by and extending between the upright and flanges, the rollers extending above the upper edges of the flanges, and the upright extending

vertically above the tops of the rollers to provide a positioning stop for articles supported on the rollers at each side thereof.

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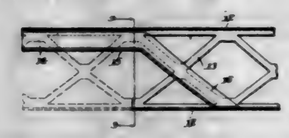
1,563,117. FABRICATED STRUCTURAL MEMBER. J. EDMUND TONNELIER and GEORGE C. FEUCHT, Pittsburgh, Pa., assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 2, 1924. Serial No. 703,644. 8 Claims. (Cl. 189—37.)



1. A rolled shape having a web comprising integral, diagonally disposed tie members, in combination with lengthwise extending braces secured to the shape adjacent to the upper end of outer tie members, said braces having inwardly and downwardly extending portions secured to the shape adjacent to the lower end of said tie members.

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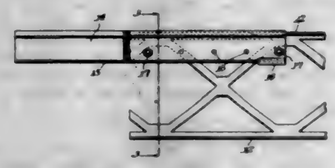
1,563,118. FABRICATED STRUCTURAL MEMBER. J. EDMUND TONNELIER, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 8, 1924. Serial No. 705,078. 10 Claims. (Cl. 189—37.)



1. A rolled shape having an open work web connecting top and bottom flanges and strengthened by longitudinally extending formed plates embracing a flange and secured in place by means passing through the openings in the web.

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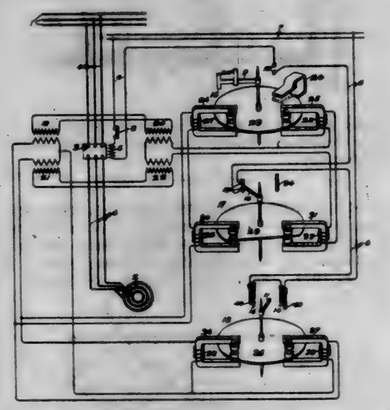
1,563,119. FABRICATED STRUCTURAL MEMBER. J. EDMUND TONNELIER, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 17, 1924. Serial No. 707,192. 10 Claims. (Cl. 189—37.)

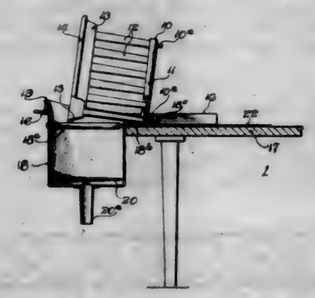
1. A rolled shape having an open work web strengthened by diagonally extending stiffening bars rigidly secured to the compression web members.

1,563,120. SYNCHRONIZING DEVICE. OLIVER C. TRAVER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 29, 1922. Serial No. 578,475. 8 Claims. (Cl. 171—118.)



2. In an alternating current electric system wherein two sources of alternating electromotive force are to be synchronized, means adapted to be operated to connect said sources, and means for effecting the operation of said connecting means when the electromotive forces of said sources are in synchronism, comprising a control circuit, a plurality of contacts arranged in series in said control circuit and a plurality of relays for controlling said contacts having energizing windings connected in circuit with said sources to render said relays responsive to the phase relation of said electromotive forces, one of said relays being operative in response to a predetermined phase difference between said electromotive forces to close the contacts controlled thereby and upon the occurrence of a smaller predetermined phase difference to open said contacts and another of said relays being operative in response to a predetermined phase difference between said electromotive forces with a time delay such that the contacts controlled thereby are moved to circuit closing position while said first contacts are in circuit closing position only when the difference between the frequencies of said electromotive forces is below a predetermined value.

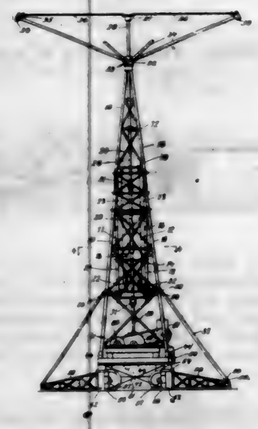
1,563,121. CONFECTION MOLD. JAMES S. VALENTINE, Chicago, Ill. Filed Apr. 13, 1925. Serial No. 22,604. 5 Claims. (Cl. 107—19.)



1. An article of manufacture suitable for containing liquid material adapted to be congealed by refrigeration comprising a plurality of cylinders closed at their lower ends and having their mouths secured to a common funnel, and said funnel having a bottom section opening into said cylinders and upstanding sides, one of said sides having a relatively greater angle with respect to said bottom to provide a discharge lip for said funnel.

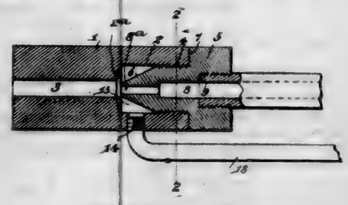
3. A frame adapted to be secured to a fixed object to provide a seat with end portions, and a spill drain adapted to be removably disposed in said seat and comprising a body, an outlet pipe, and cross members projecting therefrom to provide added supports for said drain.

1,563,122. PORTABLE AMUSEMENT RIDING DEVICE. FRANK L. UZZELL, Jamaica, N. Y. Filed Jan. 13, 1922. Serial No. 529,057. 8 Claims. (Cl. 272—41.)



2. A portable riding device comprising a vertical shaft, car supporting means mounted thereon, a tower forming an upper bearing for said shaft, said tower comprising upper and lower sections, the upper section being telescopically mounted in a plurality of parallel guides carried by said lower section, said shaft comprising upper, lower and intermediate sections, the said intermediate section being removable to permit telescoping of the tower sections.

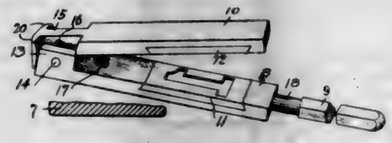
1,563,123. OIL BURNER. ROBERT C. WADE, Brownsville, Tex. Filed Mar. 28, 1923. Serial No. 628,283. 1 Claim. (Cl. 158—75.)



A burner of the character described, comprising a main body portion having a pair of aligned axial bores formed therethrough, one of greater diameter than the other, a tapered portion between the said bores, the bore of greatest diameter being interiorly threaded, a minor body portion comprising a body of a diameter equal to the diameter of said main portion and having a relatively large bore therethrough and further having a reduced extension constituting an inner nozzle and adapted to thread into said threaded bore, said inner nozzle terminating at the end of the enlarged bore, said bore in said minor portion extending into said nozzle and said nozzle having an axial bore therethrough of materially less diameter than that bore in the minor portion, an air inlet nipple threaded at one end into the bore of the minor portion, an air pipe connected thereto, and a fuel inlet tube opening into the bore of greater diameter in the main body portion at a point slightly in the rear of the outlet of said nozzle and directed at an inclination toward the discharge end of the burner.

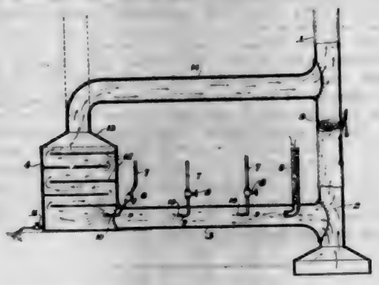


1,563,124. DIES. JOHN R. WALD, Anamosa, Iowa. Filed July 10, 1925. Serial No. 42,704. 5 Claims. (Cl. 101—28.)



1. Die structure comprising a bottom holder and a top holder normally held in expanded position and having a pin-and-slot connection therebetween.

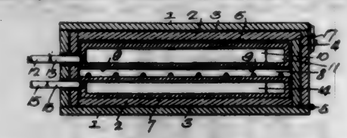
1,563,125. SMOKE CONDENSER. ANDREW W. WARD, Charleston, W. Va., assignor of one-fourth to Latelle M. La Follette, one-fourth to John M. Javins, and one-fourth to Clark M. McVay, all of Charleston, W. Va. Filed Oct. 6, 1924. Serial No. 742,035. 2 Claims. (Cl. 183—22.)



1. In combination with a stack, a substantially horizontal elongated tube having one end secured to and communicating with the stack to receive therefrom the products of combustion, a damper provided in the stack above the connection of the tube thereto to direct the said products into the tube, a pipe for supplying exhaust steam communicating with the tube at a point adjacent the connection of the tube to the stack and having its inner end turned in a direction away from the stack, and a series of smaller pipes entering the tube at points spaced from the exhaust steam pipe, said smaller pipes being supplied with water and having nozzles at their ends within the tube to discharge water in the form of spray to condense the steam, said smaller pipes being spaced from each other, and a tank into which the outer end of the tube discharges.

1,563,126. CASE HEATER. WILLIAM H. WELSH, Philadelphia, Pa., assignor of one-half to William Jennens, Philadelphia, Pa. Filed Nov. 22, 1922. Serial No. 602,590. 2 Claims. (Cl. 41—25.)

1. The herein described method of making electrotype plates, which comprises the covering of a metallic plate with molding material to form a case, softening the outer surface of the molding material by heating, maintaining the deeper portions of said molding material in a relatively harder condition by keeping the same cool,

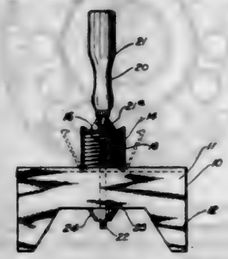


and subsequently placing the softened molding material in contact with the engraving or type from which the impression is to be made.

1,563,127. SEPARABLE CUFF BUTTON. EBEN F. WILDE, Attleboro, Mass., assignor to The Baer & Wilde Company, Attleboro, Mass. Filed June 10, 1925. Serial No. 36,159. 8 Claims. (Cl. 24—104.)

1. In a button, a cupped base, a ring on the base having a substantially right angular flange, the rim of the base being spun over the ring, and a shank having a flanged end, which extends outwardly from the shank and the periphery of which abuts the flange of the ring, the free edge of the flange of the ring being spun inwardly onto the flange of the shank.

1,563,128. VALVE-SPRING-COMPRESSING DEVICE. FRANK L. WITHAM, Petaluma, Calif. Filed Jan. 9, 1924. Serial No. 685,196. 4 Claims. (Cl. 29—86.)

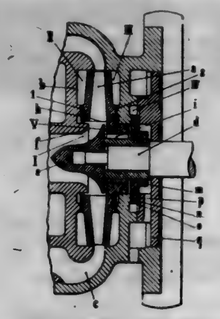


1. A device of the character described comprising a base member, a plurality of dog members adapted to be positioned by the base member, and compression means whereby a helical spring may be forced down upon the base member to permit the dogs to embrace the spring longitudinally and hold it in its compressed condition, said base and dogs cooperating to insure that the spring when compressed will be automatically engaged by the dogs.

1,563,129. CENTRIFUGAL PUMP OR BLOWER AND SIMILAR MACHINE. LUDWIG WEIL, Biebrich, Germany. Filed Nov. 30, 1921. Serial No. 518,938. 20 Claims. (Cl. 103—112.)

1. A machine of the class described, comprising a casing having an inlet passage and a discharge passage, a rotary member formed with passages intermediate the

inlet and discharge passages and adapted when rotated to force a fluid medium from the inlet passage to the discharge passage, a fluid chamber, a passage through which the fluid medium entering the rotary member acts



on the fluid confined within said chamber for varying the pressure thereof, and means controlled by the pressure of the fluid within the chamber for varying the flow of the fluid medium through said passages.

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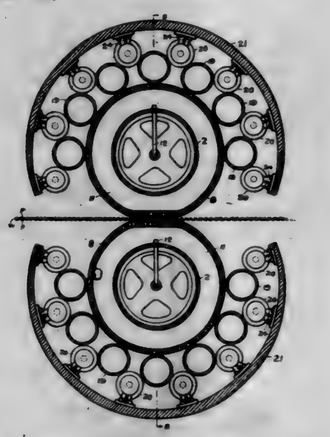
1,563,130. PNEUMATIC PRESS ROLL FOR PAPER MACHINES. MILTON T. WESTON, New York, N. Y. Filed Aug. 22, 1924. Serial No. 733,579. 10 Claims. (Cl. 92—49.)



1. In a pneumatic press roll for paper machines and the like, a pneumatic tubular roll, a shaft concentric therewith and means for keeping said pneumatic tubular roll in axial alignment.

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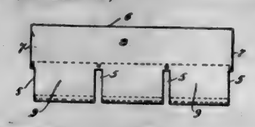
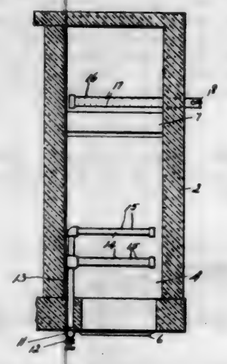
1,563,131. SLAB SHINGLE. JOHN C. WHITMORE, Petersburg, Va. Filed Feb. 16, 1923. Serial No. 619,382. 2 Claims. (Cl. 108—8.)



2. A strip shingle formed with a continuous body portion and a series of interspaced tabs along one side thereof, with the material of the shingle folded under at the tab portions thereof to form a double thickness tab through the length of the tab, and a metal piece inserted across the line of fold at the end of the tab.

1,563,132. COMBUSTION ACCELERATOR AND SMOKE CONSUMER. CHARLES WRIGLEY, Philadelphia, Pa. Filed July 2, 1924. Serial No. 723,738. 1 Claim. (Cl. 110—53.)



The combination with a furnace including a grate so as to provide an ash pit and a combustion chamber, and a bridge wall at the rear of said grate, of a steam supply pipe leading from a source of steam supply to a point below the grate, a valve connected with said supply pipe to a point below the grate, a feed pipe connected with said valve and underlying the grate, a plurality of distributing pipes connected with the feed pipe and lying crosswise of the furnace within the ash pit below the forward end of the grate, said distributing pipes having perforations therein to one side of the vertical centers above the horizontal centers whereby jets of live steam will be projected in the same general direction as the furnace draught through the grate, in combination with an air distributing pipe entering the furnace from the outside and located on the bridge wall crosswise of the furnace, said air distributing pipe having perforations therein off the vertical center and above the horizontal center of said pipe for projecting jets of air into the space above the bridge wall where said air will be mixed with the products of combustion thrown off from a fire in the combustion chamber, which products of combustion have been previously mixed with the steam, and a valve to control the passage of air through the air distributing pipe.

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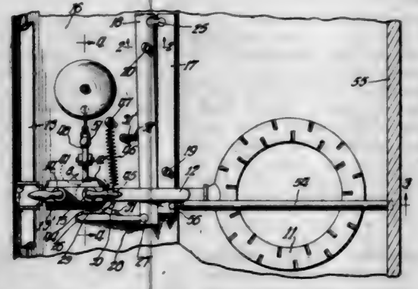
1,563,133. AUTOMATIC VALVE-CLOSING DEVICE FOR GAS PIPES. TEOFIL ZLYDASZYK, Chicago, Ill. Filed Dec. 3, 1924. Serial No. 753,654. 6 Claims. (Cl. 67—117.)



1. In combination with a burner and a valve cooperating therewith, a thermostat associated with said burner, means for temporarily holding said valve open, means actuated by said thermostat for releasing the hold of said first mentioned means upon said valve, and a signalling mechanism cooperating with said first mentioned means and operating instantly upon operation of said second mentioned means.



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1,563,134. MEANS FOR DETERMINING THE PHYSIOLOGICAL VALUE OF REMEDIAL AND MEDICAL SUBSTANCES. THEODORE F. ZUCKER, New York, N. Y., assignor, by mesne assignments, to University Patents, Inc., of New York, New York, N. Y., a Corporation of New York. Filed Nov. 26, 1923. Serial No. 677,183. 6 Claims. (Cl. 167—7.)

1. The process of determining the comparative acid secretion excitant strength of a substance which comprises determining the pH value of the feces of an animal, feeding a known quantity of said substance to the animal and determining the pH value of the feces after such feeding.

4. The process of determining the acid secretion excitant strength of cod-liver oil which comprises internally administering an alkaline substance into an animal, determining the pH value of the feces, internally administering a known quantity of cod-liver oil and determining the pH value of the feces.

6. The process of determining the antirachitic strength of a substance which comprises internally administering an alkaline rachitic producing substance into an animal, determining the pH value of the feces, internally administering a known quantity of antirachitic substance and determining the pH value of the feces.

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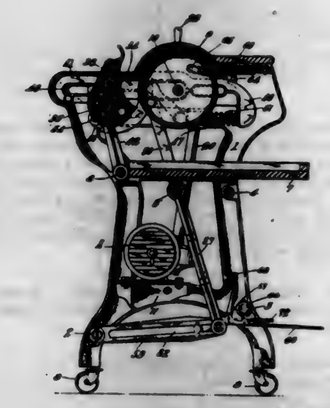
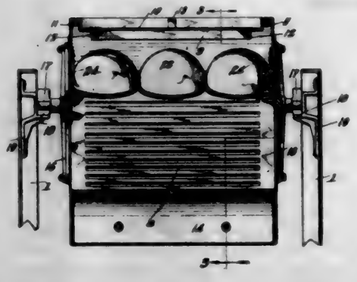
1,563,135. IRONING MACHINE. ALPHEUS W. ALTORFER, Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill., a Corporation of Illinois. Filed Feb. 25, 1921. Serial No. 447,832. 12 Claims. (Cl. 68—9.)



1. In an ironing machine, a frame, a cylinder thereon, a pair of members, means for connecting the members to the frame for slidable movement relative thereto, a shoe, means for mounting the shoe on said members to cause same to partake of the sliding movement of the members and to enable the shoe to have pivotal movement independent of the sliding movements of the members, means connected to the members to slide same, and independent means connected to the frame and pivotally connected to the shoe for effecting pivotal movement of the shoe at a predetermined point in the sliding movements of the members.

1,563,136. WASHING MACHINE. ALPHEUS W. ALTORFER, Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill., a Corporation of Illinois. Filed Oct. 12, 1922. Serial No. 594,019. 5 Claims. (Cl. 68—21.)



1. In a washing machine, a clothes container provided with recessed side walls, and vacuum cups having ribs fitting within said recesses.

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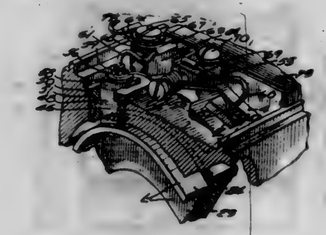
1,563,137. CLOTHES DRIER. GUS AMSLER, Philadelphia, Pa. Filed Apr. 30, 1924. Serial No. 710,025. 1 Claim. (Cl. 68—34.)

In a clothes drier, a standard, a horizontal plate having an upturned head carried by the upper end of said standard, said head comprising a flanged member having notches in the upper edge of the flange and a smaller inverted flanged member positioned within and above the first-mentioned flanged member, the flange of said second-mentioned flanged member having notches in alinement with the notches of the flange of the first-mentioned flanged member, arms each having a portion adapted to be extended within a notch of the flange of the first-mentioned flanged member and having a reduced portion providing shoulders, the reduced portion being received within a notch of the flange of the second-mentioned flanged member with the shoulders engaging the same to prevent longitudinal movement of the arm, and pivoted locking members carried by the first-mentioned flanged member and adapted to move into engagement with the arms respectively to secure the same against displacement when the arms are positioned in the notches of the first-mentioned flanged member.

**1,563,138. IGNITION MAGNETO.** FREDERICK W. ANDREW, Glen Head, N. Y., assignor to Eisemann Magneto Corporation, Brooklyn, N. Y., a Corporation of New York. Original application filed Oct. 3, 1921, Serial No. 504,934. Divided and this application filed Apr. 10, 1924. Serial No. 705,461. 7 Claims. (Cl. 171—209.)



3. In an ignition magneto, a non-magnetic frame having a pair of openings in the top thereof, an insulated brush in one opening, a grounded brush in the other opening, said brushes projecting through the top of the frame, a single spring mounted on top of the frame and having oppositely extended ends which engage the projecting ends of said brushes to press the brushes inwardly, and means for insulating said spring from said insulated brush.

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**1,563,139. HOLDER FOR AUTOMOBILE REGISTRATION CARDS.** CLARENCE S. APPLAS, Sacramento, Calif. Filed May 9, 1925. Serial No. 29,133. 2 Claims. (Cl. 40—10.)

1. A holder for automobile registration cards comprising a rectangular body member formed of flexible protective material, said body member having its marginal portions turned over on the front, a flexible transparent sheet stitched around its margins within said overturned portions to form a pocket, said body member having a slit adjacent to one end to form an entrance opening to said pocket for the introduction of a registration or other card, and spaced hooks secured to the front face of the overturned ends of the body and adapted to receive a lacing to support the holder around an automobile steering post in a manner to display the said card.

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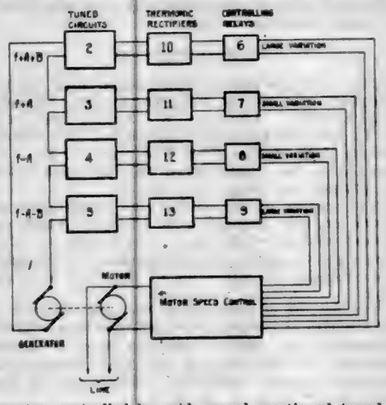
**1,563,140. ARRANGEMENT FOR CONTROLLING THE DRIVING MOTORS IN HIGH-FREQUENCY MACHINES.** GRAF GEORG VON ARCO, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation. Filed Aug. 3, 1922. Serial No. 579,502. 5 Claims. (Cl. 171—119.)

1. An arrangement for controlling the driving motor of a high frequency machine comprising independent tuned circuits coupled to the output circuit of the high frequency machine, one tuned circuit being tuned to a frequency differing from the normal frequency by a relatively small amount, another tuned circuit being tuned to a frequency differing from the normal frequency by a relatively large amount, apparatus controlled by said first mentioned tuned circuit for changing the motor speed by a relatively small amount towards normal and




apparatus controlled by said second mentioned tuned circuit for changing the motor speed by a larger amount towards normal.

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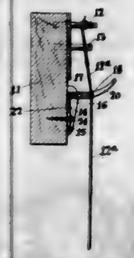
**1,563,141. HARP FORK.** MICHAEL ASLANIAN, Los Angeles, Calif. Filed July 25, 1924. Serial No. 728,110. 6 Claims. (Cl. 84—264.)



5. A harp fork for shortening a string and adapted to be thrown into or out of position by hand, said fork adapted to be adjustable longitudinally of a string of the harp, and comprising a back plate having a slot longitudinally thereof and having outwardly extending side flanges and a lever mounted in and between said flanges, said lever having a groove to engage a string of a harp, and provided with a handle.

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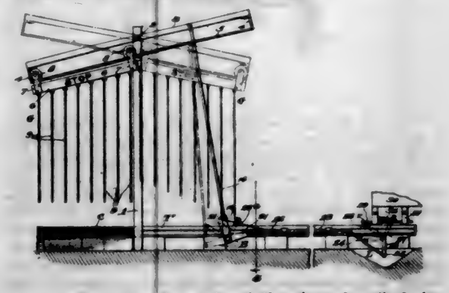
**1,563,142. RAILWAY-CROSSING GATE.** ROBERT C. BAIER, Nisbet, Pa. Filed May 5, 1924. Serial No. 711,274. 4 Claims. (Cl. 246—293.)



1. A railway crossing gate of the class described, including a support arranged at one side of the crossing, a tiltable gate carrier pivotally mounted at its medial portion on the post and a shiftable sliding gate carried thereby, carrier actuating means in the track-way adjacent the crossing, a member connecting said actuating means with the carrier, and train operated means remote from the crossing for controlling said carrier actuating means.



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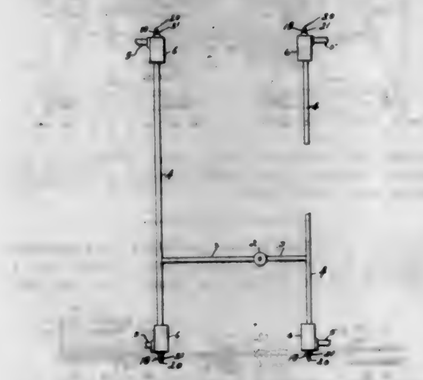
**1,563,143. VALVE FOR AUTOMOBILE HYDRAULIC BRAKES.** SAMUEL BAILIE, Camden, N. J. Filed Apr. 9, 1925. Serial No. 21,807. 11 Claims. (Cl. 303—84.)



1. The combination with a hydraulic brake including conduits and flexible connecting hose, of valves between the conduits and hose, said valves being maintained in an open position due to unbalanced pressure at opposite ends and automatically closing when the pressure is suddenly reduced at the outer end.

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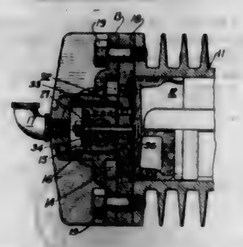
**1,563,144. AIR COMPRESSOR AND VALVE.** DEXTER C. BAKER, Oakland, Calif., assignor to Baker-Hansen Manufacturing Co., Alameda, Calif., a Corporation of California. Filed May 8, 1923. Serial No. 637,437. 10 Claims. (Cl. 230—34.)



1. In a fluid compressor, a cylinder, a piston reciprocating within the cylinder, a discharge valve structure, and an intake valve structure, comprising a member at the cylinder end and having discharge apertures, a closure within the cylinder for all of the apertures, a flat spring having a cupped edge engaging the closure, and means for fastening the spring near its center, whereby its edge may be free to urge the closure to close the aperture.

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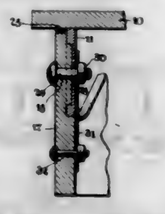
**1,563,145. SEAT.** WILLIAM J. BARGEN and WILLIAM R. BRENNAN, Missoula, Mont. Original application filed Feb. 14, 1924, Serial No. 746,066. Divided and this application filed Sept. 9, 1924. Serial No. 736,735. 2 Claims. (Cl. 155—87.)

1. In a seat a horizontally disposed yoke-shaped supporting bracket provided at each end with a vertically disposed arm having one face formed with a circular enlargement and a pair of oppositely extending stop shoulders below the enlargement, a pair of seat member supports each having one face at its rear formed with a circular socket extending around an enlargement, said enlargements in connection with the side walls of said



sockets providing pivots for said supports, and means for connecting the rear end of said supports to the upper end of said arms, each pair of shoulders extending transversely of an arm and inclining downwardly towards the vertical center of the arm.

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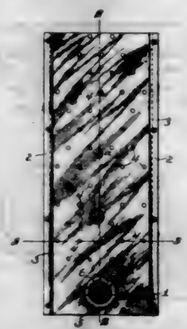
**1,563,146. CHUTE CONSTRUCTION FOR COIN-CONTROLLED MACHINES.** ARTHUR W. BARNARD, Newton Center, Mass. Filed May 17, 1922. Serial No. 561,758. 2 Claims. (Cl. 194—1.)



1. A coin chute for coin-controlled machines having a transparent front extending to the lower terminal of the chute, and a tubular coin return member inserted through the transparent front above the lower end thereof whereby an obstruction in said coin return member will be visible at the front.

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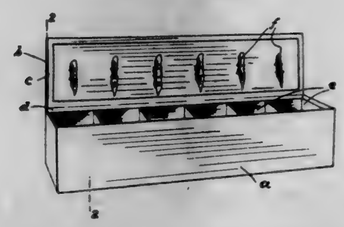
**1,563,147. LABEL-APPLYING MACHINE.** GEORGE H. BARTLETT, San Francisco, Calif. Filed Mar. 28, 1925. Serial No. 18,991. 12 Claims. (Cl. 216—58.)

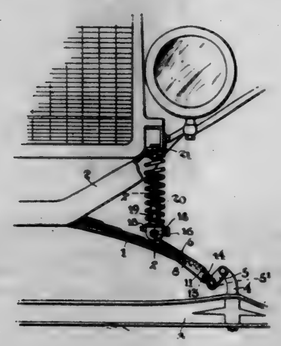
1. In a machine for applying labels to packages, means for receiving and holding a label, means for applying paste to the under side of said label, a travelling member, means for inverting said label and depositing it upon said travelling member with its pasted side uppermost, and means for operating said travelling member to cause the label to be applied to a positioned package.

1,563,148. SHIPPING AND DISPLAY CARTON. GEORGE E. BARTOL, Jr., Philadelphia, Pa., and LEWIS A. HAWKES, Merchantville, N. J., assignors to C. Howard Hunt Pen Company, Camden, N. J., a Corporation of New Jersey. Filed Mar. 13, 1924. Serial No. 698,840. 2 Claims. (Cl. 206—44.)



1. A shipping and display carton having a bottom, side and end walls, a cover hinged to one of said walls, a flap formed by an extension of the cover, a specimen of the articles to be contained in said carton supported by said flap, and a second flap connected to the first flap, arranged to be positioned to hold the first flap in display position or to be folded over the end of the article to protect it when the flaps are being inserted within the box.

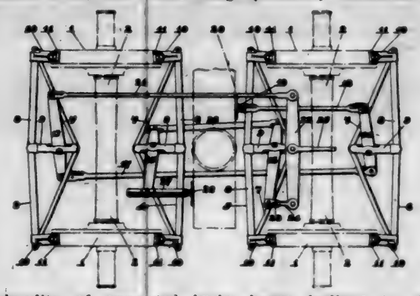
1,563,149. AUXILIARY SPRING DEVICE. HARVEY F. BENNER, Toledo, Ohio, assignor to The Buckeye Auxiliary Spring Company, Toledo, Ohio. Filed Aug. 5, 1924. Serial No. 730,220. 6 Claims. (Cl. 267—28.)



1. In combination with a vehicle spring, a saddle adapted to rest upon and engage over said spring, an anti-friction device carried by said saddle to play upon the under surface of said spring on activity of the latter, a resilient element, and a shiftable supporting means connected with said saddle for supporting said resilient element beneath and in contact with the under surface of a vehicle body.

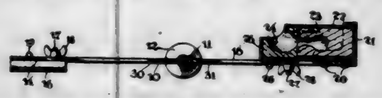
1,563,150. CLASP BRAKE. MINOT C. BLEST, Bellevue, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Jan. 2, 1923. Serial No. 610,108. 11 Claims. (Cl. 188—56.)

1. In a clasp brake mechanism, the combination with a car truck, of a brake lever located adjacent one end of said truck and inclined in one direction, a brake lever located adjacent the opposite end of said truck and inclined in the same direction as the first mentioned lever, said levers being operatively connected, a



plurality of connected brake levers inclined in the opposite direction, and means operatively connecting both of said sets of levers.

1,563,151. CENTRIFUGAL CASTING APPARATUS. BERNARD L. BOOTH, Lewiston, Mont. Filed June 4, 1924. Serial No. 717,803. 2 Claims. (Cl. 226—65.)



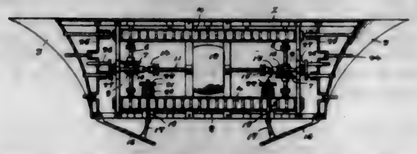
1. A device of the class described comprising a supporting bar mounted for rotation intermediate the ends and having longitudinally directed guide slots, a socket member attached to the bar at one end, a counter weight having a threaded pin extending through one of said slots, a clamp nut engaging said pin and operative to adjustably couple the counter weight to the bar, a flask device engageable in said socket member, and a crucible device having a threaded pin extending through the other slot and provided with a clamp nut to adjustably couple said crucible device.

1,563,152. TREAD GUARD FOR CASTERS. JAMES BOWEN, Manheim, Pa., assignor to Bond Foundry and Machine Company, Manheim, Pa., a Corporation of Pennsylvania. Filed Mar. 28, 1922. Serial No. 547,490. 2 Claims. (Cl. 16—41.)

1. The combination in a caster, of a plate having spaced arms; a spindle; a wheel mounted on the spindle; a pin extending from one arm to the other arm above the wheel; a curved sheet metal scraper pivotally mounted on the pin and having its free end bearing against the periphery of the wheel; and a spring yieldingly holding the scraper in contact with the wheel.

1,563,153. COAL PLOW. DANIEL B. BRACKETT and CLARENCE F. BLOCH, Whipple, W. Va. Filed Mar. 18, 1925. Serial No. 16,517. 1 Claim. (Cl. 262—12.)

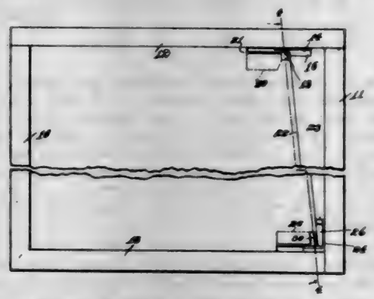
In a device for the purpose set forth, a substantially rectangular hollow body having an open side and having plow shares on the ends thereof, chain traction devices for the body, motor operated means for imparting motion to the chain tractors, means controlling said motion imparting means and also for causing the body to be propelled in either of two directions, plow shares on the ends of the body, plates pivoted at the ends of the open side of the body and disposed opposite the inner concaved faces of the plow shares, means connected to the



plates and operated from the interior of the body for swinging and sustaining the plates angularly on the body, punches movable through the concaved faces of the plow shares, means operated by the propelling means for imparting a reciprocatory motion to the punches and means rendering said punch operating means inactive.

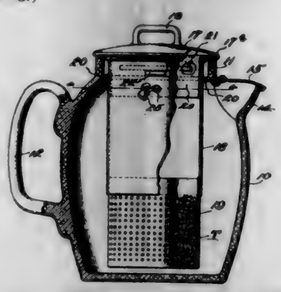


1,563,154. GRAVITY DOOR HINGE. OLIVER BRAGER and CARL S. BRAGER, Clear Lake, and THOMAS O. THOVSON and ELMER BRAY, Hanlontown, Iowa. Filed Jan. 11, 1924. Serial No. 685,626. 3 Claims. (Cl. 20—16.)



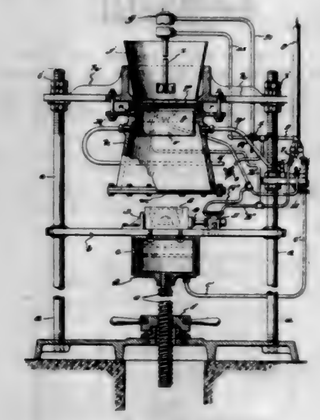
1. The combination with a door frame and a door, of a hanger for the door comprising a pair of hinges, each of which is provided with a stationary member and a movable member, a filler board, and means carried by each of the stationary members for supporting said filler board in position.

1,563,155. TEAPOT. MARIA L. BUCKINGHAM, Decatur, Ill. Filed Feb. 27, 1925. Serial No. 12,005. 6 Claims. (Cl. 53—3.)



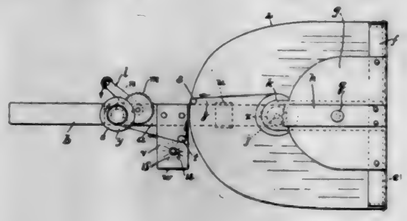
1. In a tea pot, in combination, an open top vessel, a tea leaf container detachably mounted and locked in and suspended from the open top of said vessel, and a cover for said container and vessel detachably mounted on and connected with the container, said container and cover removable from and replaceable in said vessel as a unit.

1,563,156. CORE-MAKING MACHINE. GEORGE A. BUNMAN, Detroit, Mich., assignor to E. J. Woodison Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 28, 1923. Serial No. 665,335. 12 Claims. (Cl. 22—36.)



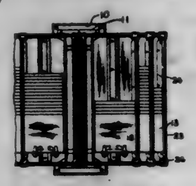
1. In apparatus for the purpose described, the combination of an air and sand reservoir, provided with a discharge orifice, means for conducting air under pressure thereto, a hopper for charging said reservoir with sand through a passage provided with a valve to guard said passageway, and means for ramming down the sand when it sticks in such passage way.

1,563,157. MACHINE FOR UNREELING AND SPOOLING TYPEWRITER RIBBONS. EBER BURROUGH, Camden, N. J. Filed May 1, 1925. Serial No. 27,135. 7 Claims. (Cl. 242—55.)



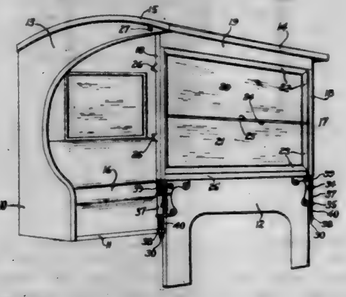
1. A ribbon unreeling and spool-winding machine comprising two frames, means carried by the two frames to revolubly hold between them a reel of ribbon and a spool to be wound, and mechanism to revolve the spool to be wound, one of said frames being hinged on, and adapted to be swung toward, the other frame to bring them into relation to so hold said reel and spool.

1,563,158. INDEX OR FILE. CHARLES S. CAMPBELL, New Haven, and WILLIAM H. DAY, East Haven, Conn., assignors to Index Visible, Inc., New Haven, Conn. Filed July 7, 1921. Serial No. 483,004. 21 Claims. (Cl. 129—16.)



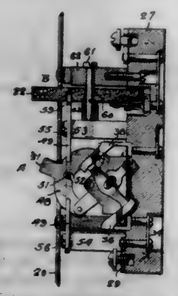
1. In an index or file, a support for cards or the like, guard flanges upon one edge of the support to protect the edges of the cards, and spacing members secured on the support in alignment with the flanges.

1,563,159. WINDSHIELD. PHILIP CARLSON, Bridgeport, Conn., assignor to Metropolitan Body Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Nov. 9, 1923. Serial No. 673,689. 6 Claims. (Cl. 296—84.)



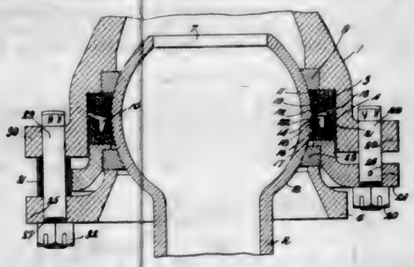
1. In a vehicle, an upper member, a lower member, there being a vision space between the members, and a wind shield in said vision space and extending between said members, the wind shield being pivotally connected to one of said members and resiliently connected to the other member, said resilient connection including means for absorbing shocks tending to move said members toward and away from each other.

1,563,160. ELECTRIC SWITCH. HOYT CATLIN, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed July 14, 1921. Serial No. 484,739. 3 Claims. (Cl. 200—50.)



1. A switch device comprising a pair of wire terminals for connection to the mains, a group of wire terminals for connection to distributing lines, switch contacts permanently connected to the main terminals, cooperating switch contacts spaced therefrom, switch bars affording a double make and break connection between said switch contacts, a master snap switch mechanism for operating said bars, together with switch contacts permanently associated with the distributing terminals, a multi-position selector switch for establishing connection between certain of said contacts, permanent connection between certain of said contacts and the distributing contacts of the master switch, together with means operated by mechanism of the master switch for locking the selector switch against movement when the master switch is in circuit-closing position.

1,563,161. PRESSURE PACKING. GEORGE CHRISTENSON, North Plainfield, N. J., assignor to Johns-Manville, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 26, 1924. Serial No. 709,262. 4 Claims. (Cl. 288—1.)



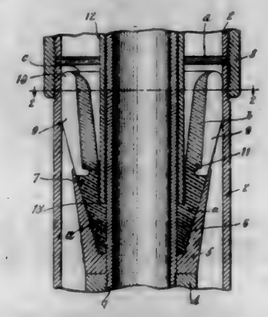
4. In combination, in a universal joint pipe-coupling, having ball and socket members, a pair of spaced bearing rings having their inner surfaces shaped to the spherical contour of said ball member, a pair of opposed packing rings intermediate said bearing rings and fitting loosely together, and a resilient lip projecting from one of said packing rings toward the opposed face of the other packing ring, said lip being engageable with the surface of the ball member.

1,563,162. SWAB AND PACKING FOR DEEP WELLS. GEORGE CHRISTENSON, North Plainfield, N. J., assignor to Johns-Manville, Incorporated, New York, N. Y., a Corporation of New York. Filed May 22, 1924. Serial No. 715,159. 1 Claim. (Cl. 74—109.)

In a plunger for deep well pumps, the combination with a tubular stem of an expansible packing member having an exteriorly downwardly tapered heel portion secured to said stem, a median bearing portion, a free end upwardly tapered exteriorly and downwardly tapered interiorly, and means secured to said stem and adapted to restrain movement of the free end of the packing member when the latter is subjected to forces tending to expand it.

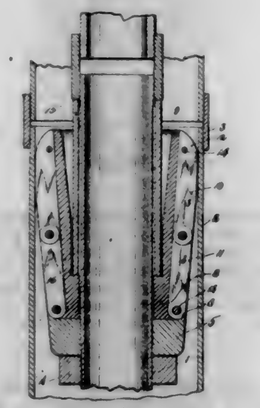


1,563,163. SWAB PACKING FOR DEEP WELLS. GEORGE CHRISTENSON, North Plainfield, N. J., assignor to Johns-Manville, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 24, 1925. Serial No. 4,628. 7 Claims. (Cl. 74—109.)



1. Packing comprising an expansible solid of revolution and longitudinally extending radially placed flat metal reinforcements having one end secured to the solid medially thereof and an edge coincident with a corresponding surface of the solid.

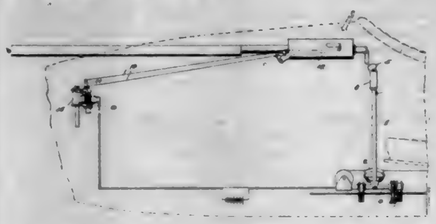
1,563,164. REENFORCED SWAB CUP. GEORGE CHRISTENSON, North Plainfield, N. J., assignor to Johns-Manville, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 24, 1925. Serial No. 4,630. 9 Claims. (Cl. 74—109.)



1. Packing comprising an expansible solid of revolution having therein radially placed and longitudinally extending flat articulate metallic reenforcements.

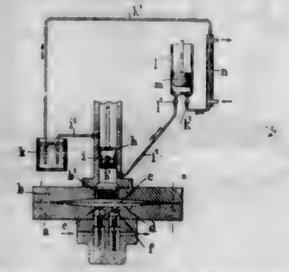


1,563,165. FIRE-CONTROL MECHANISM FOR AIRPLANE GUNS. WILLIAM DOUGLAS CLARK, Washington, D. C. Filed Mar. 18, 1925. Serial No. 16,515. 6 Claims. (Cl. 89—27.)



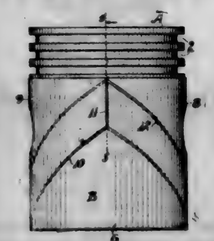
5. In an airplane provided with electrical releasing gear, a control stick, a plurality of finger actuated switches mounted on said control stick, suitable guards for said switches and means whereby said switches may be actuated separately or simultaneously as desired.

1,563,166. DIAPHRAGM COMPRESSOR. HENRI CORBLIN, Paris, France. Filed Sept. 20, 1923. Serial No. 663,821. 2 Claims. (Cl. 250—5.)



1. In a diaphragm compressor, of the type in which a pump piston produces, by means of a body of liquid, oscillations of a diaphragm in a chamber of general biconical shape, formed between two discs between which the diaphragm is secured, one of said discs carrying the suction and delivery valves,—the provision of a main pump piston, adapted to generate a volume less than that of the compression chamber, and of a small auxiliary pump, adapted to inject into the main pump barrel, at every stroke of the piston, a small quantity of liquid necessary to complete the volume of the compression chamber and to press the diaphragm against the disc, carrying the valves.

1,563,167. CONSTANT CLEARANCE PISTON. CLEVELAND S. CUMMINGS, San Francisco, Calif. Filed Nov. 27, 1922. Serial No. 603,421. 3 Claims. (Cl. 74—108.)



1. In a piston of the character described a head, a ring portion and a skirt portion, a substantially V-shaped

segment forming a part of the skirt, and a plurality of arch shaped lugs connecting the V-shaped segment to the skirt.

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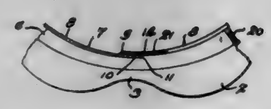
1,563,168. COLLAR BRACE. SAMUEL N. CUTLIP, Walla Walla, Wash. Filed Aug. 12, 1924. Serial No. 731,542. 2 Claims. (Cl. 54—19.)



1. In a collar brace, a pair of yielding strips having their ends overlapped and joined to form a sliding joint, and having a part adapted to conform to the inside of a collar, means to limit the movement of said joint and means including said last mentioned means to attach said brace to a collar.

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1,563,169. SHOCK ABSORBER. WILLIAM G. DANIEL and NATHANIEL ROGERS, Sunburst, N. C. Filed May 11, 1925. Serial No. 29,490. 4 Claims. (Cl. 188—88.)

1. A shock absorber comprising a pair of toggle lever arms pivotally connected together and movable towards and away from each other respectively on the compression and rebound of the vehicle spring and further adapted to be pivotally connected with the vehicle body and spring, a cushioning mechanism connected with said arms and operated thereby on the compression and rebound of the vehicle spring, said cushioning mechanism including means for effecting a greater cushioning action on the rebound than on the compression of the vehicle spring, and means connected to said mechanism and projecting forwardly thereof to provide a guide for the pivot between said arms.

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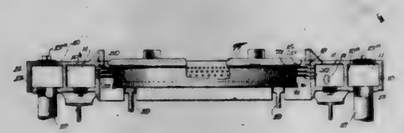
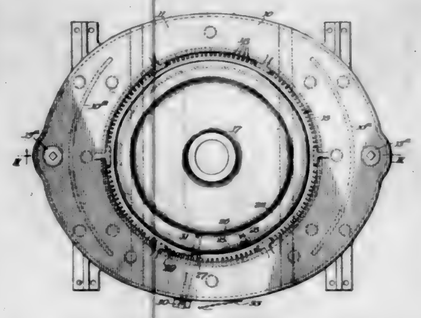
1,563,170. METHOD OF TEMPERING. JAMES CAREY DAVIS, Hinsdale, Ill. Filed Oct. 24, 1923. Serial No. 670,486. 24 Claims. (Cl. 148—21.)



6. The method of tempering metal which includes directing a plurality of series of streams of fluid against the metal, the volume of streams in the several series varying progressively.

1,563,171. APPARATUS FOR TEMPERING. JAMES CAREY DAVIS, Chicago, Ill. Original application filed Oct. 24, 1923, Serial No. 670,486. Divided and this application filed June 18, 1924. Serial No. 720,726. 21 Claims. (Cl. 266—6.)



5. A tempering apparatus comprising, in combination, a source of tempering fluid, and means for directing said fluid upon an article to strike it in distinct layers.

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1,563,172. OPHTHALMOLOGIC INSTRUMENT. HENRY L. DE ZENG, Moorestown, N. J., assignor to De Zeng Standard Company, Camden, N. J., a Corporation of New Jersey. Filed Sept. 13, 1921. Serial No. 500,403. 1 Claim. (Cl. 88—20.)

An ophthalmological instrument comprising a source of light, a light passage way extending therefrom, a reflector in line with the light passage way, a slide operative in the passage way beyond the light source, having three openings, progressively increasing in size, one of said openings having clear illumination and the other two having a ground glass screen fitted respectively therein.

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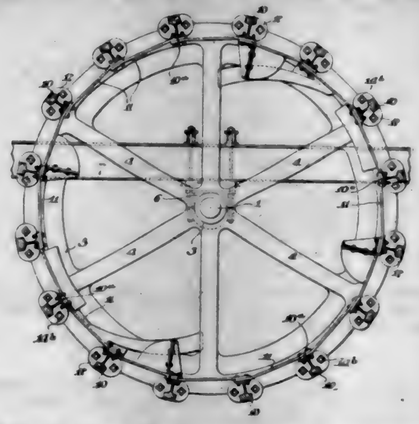
1,563,173. COAL BREAKER OR CRUSHER. JOHN H. DOBBRES, St. Louis, Mo., assignor to Pennsylvania Crusher Company, New York, N. Y., a Corporation of New York. Filed May 8, 1924. Serial No. 711,778. 7 Claims. (Cl. 83—52.)

1. The combination, in a coal breaker, of a screening drum comprising a series of substantially flat screen



plates having edge portions in flat planes differing from each other and from the plane of the main body of the



plate; said edge portions being arranged in overlapping position, and means for securing the overlapping portions of said plates together.

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1,563,174. SELF-ADAPTING SLEEVE STRETCHER. JOHN H. DUMBLETON and EDWIN C. LINDBERG, Los Angeles, Calif. Filed June 27, 1924. Serial No. 722,823. 2 Claims. (Cl. 223—19.)

1. A self-adapting sleeve stretcher comprising a pair of bars having parallel longitudinal curved inner faces, leaf springs secured at their inner ends to the confronting faces of the bars, and hinges connecting the free ends of the springs of one bar to the free ends of the springs of the other bar, the tensions of the springs being exerted to press the bars apart after their separation a known distance and the retraction of the springs being adapted to draw the bars together after their compression to said distance.

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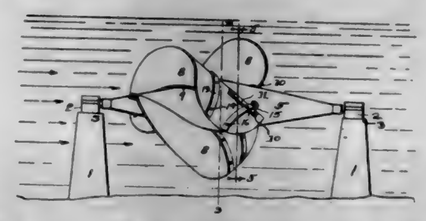
1,563,175. POWER WHEEL. CHARLES A. EDWARDS and CHARLES F. MESSER, Zillah, Wash. Filed Sept. 22, 1923. Serial No. 664,163. 1 Claim. (Cl. 170—133.)



A water-propelled wheel comprising a drum of elongated form having a central enlarged portion of substantial diameter, with opposite end portions of equal lengths, said end portions being conical from the central enlarged portion to the remote terminals of the drum; a plurality of blades on the drum and being relatively curved transversely; the greater portion of each blade being outstanding from the drum, and having a right angle edge flange conforming spirally with and secured to one of said conical end portions; the inner edge of the remaining portion of each blade being bent over the central enlarged portion, and conforming spirally with decreased pitch over the leading spiral to a relatively short part of the opposite end portion, thereby disposing the remaining part of the curved blades spirally and more abruptly, whereby to offer increased resistance to the water and increase the power of the wheel; a pair of braces secured to the drum; and an angle plate secured to said relatively short part of the drum, said angle plate having one of its flanges fastened to and between the blade and certain of the braces, thereby withstanding the water pressure due to the increased resistance.

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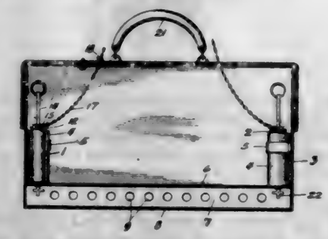
1,563,176. PROTECTIVE MEANS FOR THE CONTAINERS OF VALUABLES. AUGUST EIMER, New York, N. Y. Filed Jan. 30, 1924. Serial No. 689,445. 5 Claims. (Cl. 116—114.)



4. The combination, with a portable container for valuables, of a false bottom therein providing a space between it and the container base, said space provided with constantly open means of communication with the outside atmosphere, a handle for said container, a fluid receptacle within said container, said receptacle having closure means, and means for discharging its contents into said space, and closure release means extended outside the container for engagement with the carrier's hand that is grasping the container handle, whereby the closure release is automatically operable to permit discharge of the receptacle contents when the container is withdrawn from the carrier's grasp.

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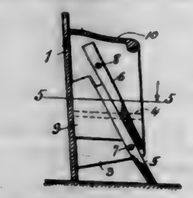
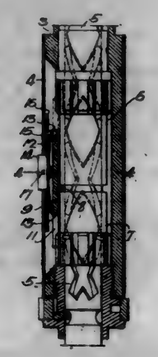
1,563,177. COMBINATION TABLE AND SEAT. CHARLES F. ETTWEIN, Lanagan, Mo. Filed Sept. 18, 1922. Serial No. 588,833. 2 Claims. (Cl. 155—43.)



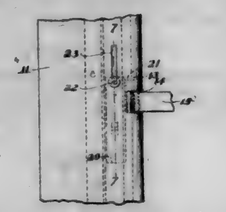
1. In a combined table and seat, a flat table top having opposite parallel sides one of which is adapted to serve as a back rest of a seat, when one edge of the top rests on the floor, two end members secured to said side of the top, a seat member having its ends respectively attached to said end members, two legs respectively pivoted to said end members, each adapted to be swung to two positions in which opposite ends of each leg are adapted to respectively rest on the floor for cooperating with the table top supporting the table top in the seat position, and means co-operating with said legs for supporting the table top in the table position.

**1,563,178. RATCHET TOOL.** THOMAS J. FEGLEY and GEORGE O. LEOPOLD, Philadelphia, Pa., assignors to North Bro's M'f'g Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 3, 1923. Serial No. 629,662. 4 Claims. (Cl. 145—54.)



3. The combination in a ratchet tool, of a casing having a recessed enlarged portion; two ratchet wheels mounted in the recess; a transverse key extending across the recess and spacing the ratchet wheels apart; a spindle extending into the casing and through the ratchet wheels; a sliding pawl having a projection at each end, said pawl resting on the key; a shifter engaging each end of the pawl; a slotted shell; and a projection on the shifter extending through the slot in the shell so that the shifter can be moved to shift the pawl into engagement with either one of the ratchet wheels, or with both of the ratchet wheels.

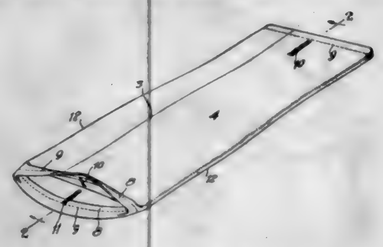
**1,563,179. POST-LOCKING MECHANISM FOR LOOSE-LEAF BINDERS.** HERBERT DEXTER FIELD, El Paso, Tex. Filed Aug. 2, 1924. Serial No. 729,796. 4 Claims. (Cl. 129—24.)



4. In a loose leaf binder, the combination of a strip forming a runway, a binding post, a locking member guided in said runway into and out of temporary locking relation to said post when said member is moved back and forth, said strip having a longitudinal slot therein, and removable means on said locking member and projecting into said slot to limit the movement of said locking member, the latter being movable into a permanent concealed locking position when the limiting means is removed.

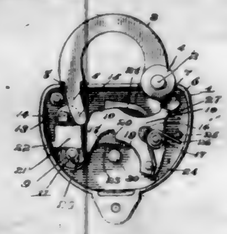
**1,563,180. SOFT CUFF.** ALBERT A. FOURNIER, Ottawa, Ontario, Canada. Filed May 11, 1925. Serial No. 29,586. 2 Claims. (Cl. 2—124.)

1. As an improved article of manufacture, a soft cuff of tubular form, with opposite edges free for rolling movement, the cuff being open at the ends and each end provided with two opposed registering button-holes to receive cuff buttons, the stitches of the button-holes



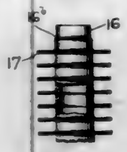
upon one side of the cuff being disconnected from the other side of the cuff, the said cuff being held against revoluble movement in use.

**1,563,181. PADLOCK.** SAMUEL R. FRAIM, Lancaster, Pa. Filed June 7, 1924. Serial No. 718,619. 7 Claims. (Cl. 70—105.)



1. A padlock comprising a casing, a shackle, and a pair of locking units, said shackle having its heel pivoted and its toe free to be inserted in said casing, one of said locking units comprising a pivoted lever normally spring-actuated to engage the toe of said shackle, the other locking unit comprising a slotted bolt slidably and pivotally mounted on a single stud and adapted to engage the pivoted heel of said shackle in locked relation when the padlock is locked, said lever and bolt having bearing surfaces adapted to be engaged in sequence by a key for disengaging said lever from the shackle toe and said bolt from the shackle heel, respectively.

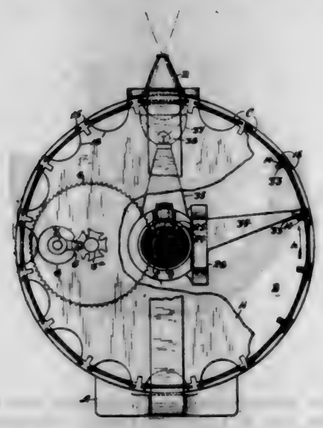
**1,563,182. RADIATOR UNIT.** FREDERICK GARGIULO, New Haven, Conn. Filed Mar. 24, 1921. Serial No. 455,065. 5 Claims. (Cl. 257—129.)



1. A radiator tube including a plurality of disk like sections, each section composed of a tubular portion and a flanged portion, said tubular portion having a reduced end forming an intermediate annular stop shoulder, said sections being nested together with said reduced ends entering the unreduced portions of the tubular parts of adjacent sections and contacting with the stop shoulders thereof, said shoulders being located so that the resulting tube has a wall consisting of two superposed layers at substantially all points throughout its length.

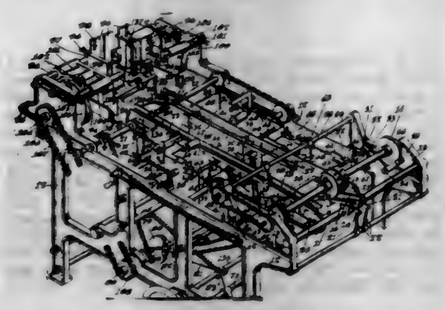


**1,563,183. PICTURE-PROJECTING MACHINE.** THOMAS W. GOODWIN, Berkeley, Calif., assignor of one-fourth to H. E. Malmsten, Berkeley, Calif. Filed May 31, 1922. Serial No. 564,827. 6 Claims. (Cl. 88—27.)



1. In a picture projecting machine of the character described a vertically disposed shaft, a sleeve shaft splined thereto and vertically movable thereon, an elongated cylindrical magazine supported by the sleeve shaft and movable vertically in unison with the same, means for intermittently rotating the first named shaft and the sleeve shaft in unison, means for imparting a vertical movement to the sleeve shaft and the magazine in unison during rotation of the first named shaft and the sleeve shaft, and means for imparting a partial rotary movement to the magazine at the end of a predetermined number of vertical movements.

**1,563,184. MACHINE FOR MAKING SET-UP BOXES.** HAROLD J. GOSS, Nashua, N. H., assignor, by mesne assignments, to The Lake Erie Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 26, 1923. Serial No. 647,849. 14 Claims. (Cl. 93—51.)

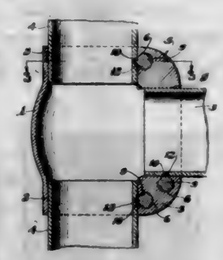


1. A machine for making wall boxes from blanks having corner flaps and intermediate foldable sections, comprising means for causing the blanks to travel, means for deflecting said intermediate sections while traveling, means for applying glue to the corner flaps while they extend outwardly, means for folding the blanks with said flaps and sections in overlapping relationship, means for holding the folded blanks temporarily in stationary position, and pressers movable toward the folded blanks while the latter are stationary.

**1,563,185. PROCESS OF PRODUCING COLOR-FILLED EMBROIDERED DESIGNS ON TEXTILE FABRICS.** PETER GOULED, Weehawken, N. J. Filed July 31, 1925. Serial No. 47,372. 3 Claims. (Cl. 41—26.)

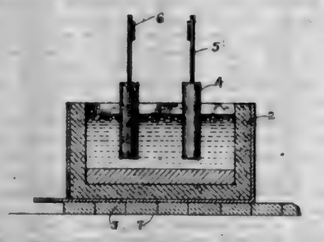
1. The process of producing a combined color-filled and embroidered design on fabric, consisting in producing an outline of the design on the fabric to be embroidered, making a tracing of the outline, making a stencil of the areas to be color-filled, from said tracing, painting the areas to be color-filled, on said fabric, by the use of said stencil, and embroidering the outline originally produced on said fabric.

**1,563,186. COUPLING FOR PIPE RAILINGS.** LOUIS G. HALLER, Chattanooga, Tenn. Filed Feb. 15, 1924. Serial No. 693,137. 1 Claim. (Cl. 28—54.)



A coupling for pipe railings comprising a socket adapted to receive a tubular rail, said socket having an integrally formed web at one side thereof, said web being provided with a transverse straight unyielding bore extending entirely through the same and having a V-shaped extension co-extensive therewith along the side next to the socket, said extension intersecting at its central portion the wall of the socket, and a straight pin co-extensive in length to and of substantially the same diameter as the transverse bore, said pin having a longitudinal rib extending throughout its length and corresponding in cross-sectional shape to the V-shaped extension of the bore and adapted to snugly fit the same when the pin is driven into the bore from either direction, either end of the said rib serving as a V-shaped cutting tool where traversing the socket to form a kerf in the exterior wall of said rail and, by remaining therein, to lock said rail in the socket member, with the ends of the pin substantially flush with the sides of the web, said pin being capable of being withdrawn from either end.

**1,563,187. PROCESS OF PRODUCING CALCIUM COPPER ALLOY.** WILLIAM GOOLD HARVEY, Niagara Falls, N. Y., assignor to American Magnesium Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Aug. 13, 1921. Serial No. 492,176. 11 Claims. (Cl. 204—19.)



1. The process of producing calcium copper alloy comprising electrolysing a molten calcium salt in the pres-

ence of a solid copper cathode until sufficient calcium has been taken up by the cathode for it to become molten at the temperature of the molten salt.

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1,563,188. TREATING MOLTEN METALS WITH CALCIUM-COPPER ALLOYS. WILLIAM G. HARVEY, Niagara Falls, N. Y., assignor to American Magnesium Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Sept. 10, 1921. Serial No. 499,784. 4 Claims. (Cl. 75—1.)

1. The method of deoxidising aluminum bronze comprising adding to the molten metal an alloy of calcium and copper in such proportions that the alloy is brittle and which has a melting point substantially less than that of the treated metal.

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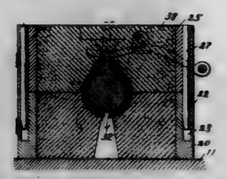
1,563,189. MOLD-FORMING DEVICE. GUSTAV A. HAUSHERR, Bayville, N. J. Filed June 26, 1925. Serial No. 39,877. 4 Claims. (Cl. 22—158.)



1. A device for forming molds comprising a base, a plurality of mold forming elements supported on said base, means for preventing shifting movement of one of said members relative to the other member, a pattern carrying member interposed with respect to the two members and adapted to support patterns interiorly thereof, and means carried by one of said members for elevating the pattern carrying member.

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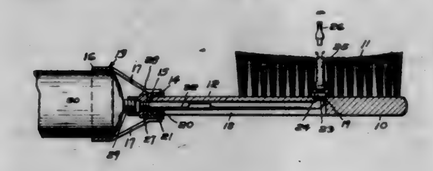
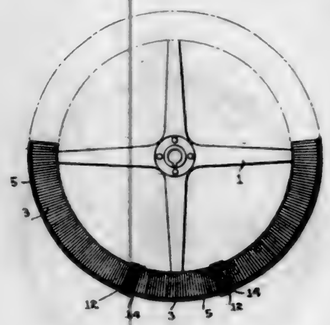
1,563,190. FOUNTAIN BRUSH. CHARLES HARRY HOUSE, Arkansas City, Kans. Filed July 24, 1925. Serial No. 45,769. 3 Claims. (Cl. 15—135.)



1. A fountain tooth brush embodying a brush head comprising a back and bristles carried by the back, said back having a longitudinal groove and a transverse opening, a feed tube arranged within the longitudinal groove and having a transverse extension passing through and beyond the transverse opening, a clamping nut carried by the transverse extension and engaging the back, a flexible tube mounted upon the end of the transverse extension and leading through the working face of the bristles, a socket receiving the rear end of the back and having an opening formed therein to receive the feed tube, a tooth paste tube receiving socket connected with the first named socket, and a coupling cap having screw-threaded engagement with the rear end of the said tube and adapted to receive and have a screw-threaded engagement with the screw-threaded neck of the tooth paste tube.

1,563,191. WRAPPING FOR STEERING WHEELS. WALTER HUGHES, Los Angeles, Calif. Filed Dec. 10, 1924. Serial No. 755,093. 12 Claims. (Cl. 74—88.)



1. In a steering wheel, the combination with a steering wheel rim, of a covering therefor, consisting of a three strand cord whipping, said covering having a rib or bead adjacent the outer edge of the rim of the wheel.

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1,563,192. COLLAPSIBLE TUBE. WILLIAM C. HUNTOON, Jr., East Greenwich, R. I. Filed Apr. 17, 1925. Serial No. 23,849. 4 Claims. (Cl. 221—60.)

1. In combination with a collapsible tube having a collar spaced above the neck base, to form a groove, a wire in the groove having its ends spaced apart and having an intermediate straight part, a cap formed with a circular groove, and a second wire having an intermediate part coiled about the straight part of the first wire and engaged with the neck base and having its ends crossed and engaged in the groove of the cap in embracing relation thereto, said collar of the tube neck having a portion thereof equalling approximately the distance between the spaced ends of the first wire extended downwardly to lie in the space between the ends of the first wire so as to engage such ends and hold the first wire against rotation.

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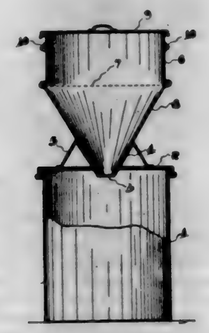
1,563,193. ASH SIFTER. CECIL PERCY INGLETON, Toronto, Ontario, Canada. Filed June 16, 1925. Serial No. 37,589. 2 Claims. (Cl. 83—60.)

1. In an ash sifter, the combination of a receptacle top having an opening formed therein; a sifter casing supported by and rotatable on a vertical axis relative to the top, said sifter casing having a cone-shaped portion having an outlet in its lower end adapted to discharge through said opening, said top having a funnel-shaped member surrounding said opening and adapted to receive the cone-shaped portion of the sifter casing, the discharge opening of the funnel-shaped member being small relative to the size of the top; and a sieve mounted in and rotatable with the casing on said vertical axis.





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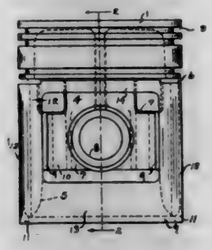
1,563,194. PISTON. FRANK JARDINE, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 31, 1925. Serial No. 47,213. 10 Claims. (Cl. 74—108.)



1. A composite piston comprising a head having a ring flange, boss carrying walls depending from the head oppositely disposed slippers, flexible means connecting the slippers to the bosses, the slippers being otherwise disconnected from the head, and a skirt assembled in telescoping relation with and bearing on the said slippers, the skirt having a smaller coefficient of expansion than the remaining parts of the piston.

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1,563,195. GARMENT SUPPORTER. JULIO U. JIMENEZ, New York, N. Y. Filed Aug. 21, 1924. Serial No. 733,366. 3 Claims. (Cl. 241—7.)

1. In combination, a member for attachment to a shirt or the like, and a member for attachment to a garment to be suspended therefrom, the first member including a button and a closed loop for engaging the button through a garment, a flexible member depending from the loop, and having a rigid cross bar, the second member including a plate of substantially triangular shape, arranged with its base upward, and adapted to be connected to the garment to be suspended, said plate having a tongue at its lower end, offset laterally to engage the bar.

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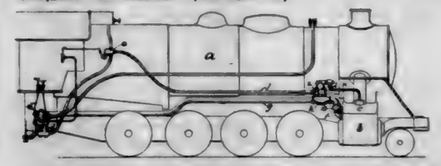
1,563,196. INJECTOR. STRICKLAND L. KNEASS, Philadelphia, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 5, 1924. Serial No. 730,293. 12 Claims. (Cl. 162—1.)



1. In combination with an injector operated wholly or partly by exhaust steam, an exhaust regulating and cut-off valve, a live steam admission valve to the exhaust steam supply, and means to cause both valves to interact automatically.

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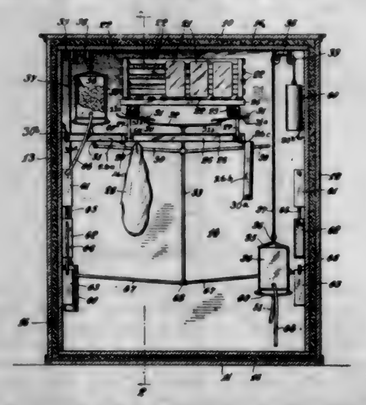
1,563,197. MEAT-MARKET REFRIGERATOR. OSMER J. LASHER, Waterbury, Conn. Filed Feb. 28, 1925. Serial No. 12,807. 6 Claims. (Cl. 62—81.)



5. In a meat market refrigerator, a casing, said casing containing a receptacle for block ice, means for permitting said receptacle to be replenished, an auxiliary cham-

ber for a freezing mixture movably mounted in said casing and normally located near the roof thereof alongside said receptacle, and manually operated means for temporarily lowering said chamber so that it may be conveniently replenished from the floor of said casing, and a counterweight for automatically maintaining said chamber in operating position at the top of said casing.

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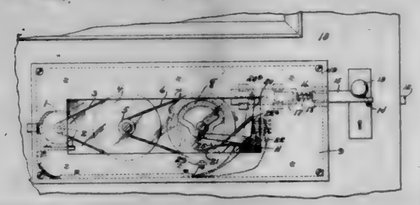
1,563,198. ELECTROMECHANICAL DOOR-RELEASING MEANS. ERNEST LEDBETTER, St. Louis, Mo. Filed Apr. 4, 1925. Serial No. 20,876. 3 Claims. (Cl. 70—50.)



1. Electromechanical door releasing means comprising a latch bolt complementary to a door, a bar connected with and adapted on movement thereof in one direction to retract said bolt, and a rotor, a cam movable therewith and a bell crank for retracting said bar, said rotor being operable by an electric motor, and said motor being arranged in a normally interrupted circuit with a source of electric energy and switch means, and means being provided on the rotor and on the bell crank for interrupting and reestablishing the electric circuit.

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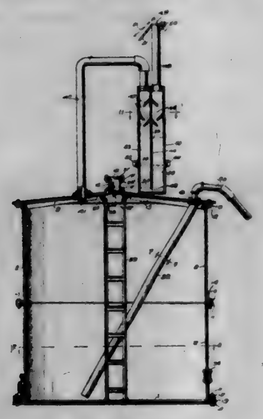
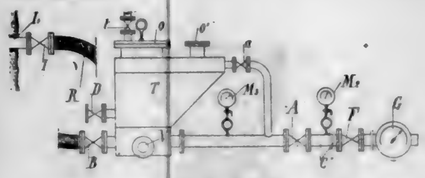
1,563,199. GAS-TIGHT STEEL TANK. HARRISON R. LELAND, Parkersburg, W. Va., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a Corporation of West Virginia. Filed Nov. 11, 1920. Serial No. 423,291. 2 Claims. (Cl. 220—85.)



1. A pressure regulator for tanks comprising a casing, a partition wall arranged substantially centrally thereof and extending from the top of the casing to a point near the bottom to provide a pair of chambers communicating with each other at the bottom of the casing, each of said chambers being provided with openings arranged at the top thereof, one of said openings being connected to an inlet pipe and the other of said openings to an outlet pipe, a normally open valve arranged in said outlet pipe, and means for closing said valve.

1,563,200. FILLING UP, PUDDLING, WARPING, CONCRETING, CEMENTING, ETC., BY MEANS OF FLUSHING WITH WATER UNDER PRESSURE. GEORGES JOSEPH MICHEL LEICKNAM, Jarny, France. Filed Nov. 30, 1923. Serial No. 677,920. 3 Claims. (Cl. 83—73.)



1. Process for purposes of the character described which consists in loading the materials into a receptacle, closing the loading opening of the receptacle, connecting the receptacle with a source of water under pressure and removing any air which may be contained within the receptacle, establishing communication between the receptacle and the source of water under pressure to produce in the former the higher static pressure obtainable from the latter, and projecting from the receptacle the material and water mixture by the vis viva acquired in accordance with the static pressure previously established in the receptacle.

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1,563,201. EXTENSION STEPLADDER. JOHN F. LEICHT, Shelby, Mich. Filed Mar. 14, 1924. Serial No. 699,248. 1 Claim. (Cl. 228—23.)

An extension ladder comprising complemental sections hingedly connected, each section including side rails, locking members rotatably mounted upon the rails of one section a short distance from the hinged joint, longitudinal strips secured to the rails of the other section and projecting to overlap the hinge joint and engage the rails of the section carrying the locking members and slotted to receive the latter, and a transverse strip connecting the slotted ends of the longitudinal strips and having their outer ends bent laterally to embrace the outer sides of the rails carrying the locking members when the ladder is extended.

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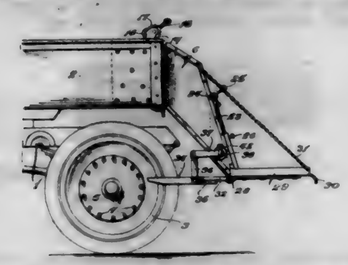
1,563,202. APPARATUS FOR USE IN REPAIRING ROADS. LELAND E. LENTZ, Delphos, Ohio. Filed July 13, 1923. Serial No. 651,319. 4 Claims. (Cl. 275—2.)

1. A device for the purpose set forth comprising a hopper constructed to be secured to the discharge end of the tiltable body of a dumping vehicle to receive material from said body, a distributing pan mounted upon the delivery end of the hopper to receive material therefrom, and means to be operated by a wheel of the vehicle whereby to impart up and down motion to the





pan relative to the hopper, said means being normally free of the vehicle wheel and being brought into engagement therewith by tilting of the body.

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1,563,203. PROCESS OF PRODUCING VISCOUS LIQUIDS AND PRODUCT THEREOF. LEON LILIENFELD, Vienna, Austria. Filed Jan. 10, 1921. Serial No. 436,382. 4 Claims. (Cl. 196—54.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. Process of making high boiling viscous oily liquids which comprises bringing acetylene into contact with coal tar hydrocarbons, boiling at above 140° C., in the presence of aluminium chloride.

4. As new products, the herein described oils which may be produced by reacting upon coal tar hydrocarbons boiling at above 140° C., with acetylene in the presence of aluminum halides, such products being colorless to yellow oils having a marked blue fluorescence and a high viscosity and being unsaponifiable and having lubricating properties and which distill over, from the oily material remaining after removing the aluminum halides, at between 85 and 260° C., under a pressure of 20 mm. of mercury, such oils being composed essentially of aromatic hydrocarbons, practically free from aliphatic hydrocarbons, boiling between about 180° C. and about 300° C., at a pressure of about 35 mm. of mercury, having a specific gravity a little greater than unity, and being freely miscible with hydrocarbon oils of the aliphatic and aromatic series, nitrobenzene, chlorbenzene, chloroform, carbon bisulphide and carbon tetrachloride.

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1,563,204. PLASTIC MASS AND PROCESS OF MAKING SAME. LEON LILIENFELD, Vienna, Austria. Filed Jan. 11, 1921. Serial No. 436,605. 21 Claims. (Cl. 106—40.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat L., 1313.)

19. The process of plasticizing ethers of polysaccharides which comprises the addition thereto of oils as herein described, the same being formed by the action of acetylene on the constituents of tar oil boiling above 140° C., in the presence of a halogen compound of aluminum.

20. A new composition capable of being molded and set comprising an aralkyl ether of cellulose.

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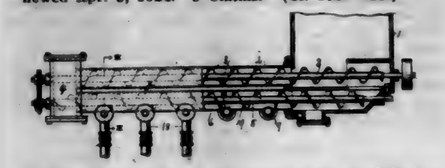
1,563,205. INSULATING GOODS AND PROCESS OF PRODUCING SAME. LEON LILIENFELD, Vienna, Austria. Filed May 31, 1921. Serial No. 473,833. 16 Claims. (Cl. 106—37.)

12. An insulating material containing as essential constituents, an ether of a cellulosic body in admixture with a normally non-volatile hydrocarbon capable of imparting plasticity, such hydrocarbon being a nonconductor of electricity, and having a high boiling point.

1,563,206. MECHANISM FOR FEEDING POWDERED MATERIAL. CHARLES LONGENECKER, Philadelphia, Pa. Filed Sept. 29, 1921, Serial No. 504,130. Renewed Apr. 5, 1924. 5 Claims. (Cl. 198—213.)



1. The combination of an unobstructed conduit having a plurality of openings in spaced relation in its lower side and a rotating screw for moving the material along the conduit, the blade of the screw being formed in sections located intermediate adjacent openings and adapted to move forward material which will be passed beyond a preceding port.

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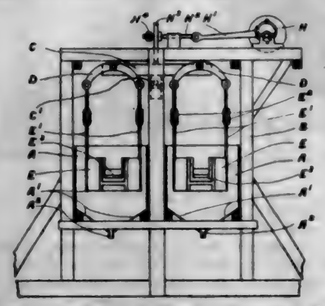
1,563,207. JIGGER. WILLIAM JOSEPH LYNCH, Gympie, Queensland, Australia. Filed Dec. 1, 1921. Serial No. 519,250. 3 Claims. (Cl. 83—80.)



1. A jigger including a frame, a plurality of hutches supported by the frame, a partition arranged in each hutch and dividing the interior of the hutch into two compartments, a box arranged in each hutch and adapted to discharge ore into one of said compartments of the hutch in which the box is arranged, a chute for each box adapted to discharge stones and gangue into the other compartment of the hutch in which the box is arranged, extensible rods supporting each of said boxes, yokes connected to said rods, a rocking beam carrying said yokes, and means for rocking said beam and jarring said boxes.

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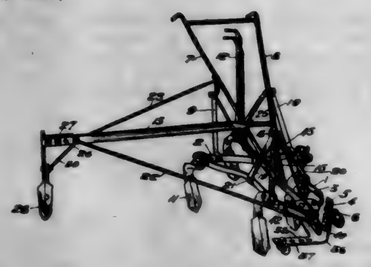
1,563,208. ATTACHMENT FOR CULTIVATORS. ALEXANDER MCANGUS, Honolulu, Territory of Hawaii. Filed May 25, 1922. Serial No. 563,594. 4 Claims. (Cl. 97—179.)



1. An attachment for cultivators, comprising an implement-carrying bar having a part adapted for connection with a cultivator and another part adapted to

extend laterally from said cultivator, a ground-engaging implement pivotally connected to said bar at a point offset from said laterally-extending portion of the latter and adjustable about its pivotal axis, said attachment including a system of bracing comprising rods, one extending from the pivotal axis of said implement to a point between the ends of the laterally-extending portion of said bar and the others having one of their ends connected to said point on said bar and their other ends adapted, respectively, for connection to separate points on said cultivator.

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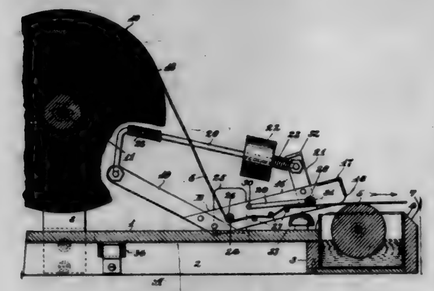
1,563,209. GUMMED-TAPE-SEALING MACHINE. JOSEPH HENRY MCINTIRE, Brooklyn, N. Y., assignor of one-half to Louis H. Kaplan, Brooklyn, N. Y. Filed Sept. 16, 1924. Serial No. 738,051. 8 Claims. (Cl. 91—14.5.)



1. An apparatus of the character described, comprising a moistening device, a tape holding cradle having a tearing edge thereon and movable from one extreme position to another, and a movable weight adapted to hold the cradle in either of the extreme positions.

8. A machine of the character described, comprising a base, a box at one end of the base, a liquid tank in the box, a moistening roll in the liquid tank, a pair of uprights connected to the base, one of which is movable and removable, said uprights adapted to support a roll of gummed tape, a cradle pivotally mounted on the base between the uprights and the moistening roll and having a tearing edge at its forward end, devices on the cradle supporting the tape, a rod connecting the respective end portions of the cradle, a movable weight on the rod, cushions on the rod receiving the impact of the weight, cushions on the base receiving the impact of the cradle, a bail pivotally connected to the cradle, a roller carried by the free end of the bail and constituting an automatic drop adapted to engage the free portion of the tape and to hold it away from the tearing edge, and an angle bracket fixed to the cradle to limit the rearward movement of the bail.

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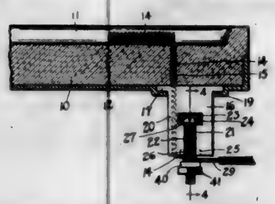
1,563,210. PIPE HOLDER. JOSEPH H. MCINTIRE, Brooklyn, N. Y., assignor of one-third to Louis H. Kaplan, Brooklyn, N. Y., and one-third to Stephen A. McIntire, New York, N. Y. Filed Nov. 24, 1924. Serial No. 751,994. 2 Claims. (Cl. 131—12.)

1. A pipe holder composed of wire having feet at its ends, and outwardly bowed portions in runs of the wire intermediate the ends of the support for the reception of a pipe, said bowed portions having an opening to receive and support the bowl of the pipe, and said opening having a restricted end to receive a portion of the stem of the pipe.

1,563,211. CONNECTION BLOCK FOR BURNERS OF ELECTRIC RANGES. ROBERT H. MACINNES, Hamilton, Ontario, Canada, assignor to D. Moore Company, Limited, Hamilton, Canada. Filed July 6, 1925. Serial No. 41,701. 3 Claims. (Cl. 219—37.)



1. An electrical connecting device comprising a refractory insulation block having a longitudinal groove in one of its lateral surfaces communicating with a transverse slot at the upper end thereof and in the same side of the block and also communicating with a nut shaped socket formed in the bottom surface of the block at the opposite end thereof, a bolt confined in said groove with its head occupying said slot and abutting the ends of the groove where they converge with the slot, said bolt being provided with a nut adapted to occupy said socket, said nut thereby being restrained from rotation, and a heating resistance wire and an electrical lead device attached to the protruding end of said bolt so as to form an electrical connection.

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1,563,212. ANIMAL-TETHERING DEVICE. JOHN J. MADIAR, West Frankfort, Ill. Filed July 8, 1925. Serial No. 42,236. 5 Claims. (Cl. 119—120.)

1. A device of the character described comprising a series of posts, an eye carried by each of said posts, said eyes having cut away portions, a cable suspended from said posts and received in said eyes, a member slidably mounted on said cable, and means for attaching an animal to said slidable member, said means for attaching said animal being of a size to pass through the cut away portions in said eyes.

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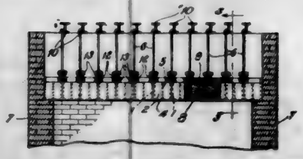
1,563,213. FIRE ARCH. CHAUNCEY L. C. MAGEE, Chicago, Ill. Filed Sept. 5, 1922. Serial No. 586,332. 10 Claims. (Cl. 110—99.)



1. A fire arch constructed from hollow tiles of strong refractory material, presenting a smooth surface to the fire, each tile having a filling of heat insulating material,



whereby said hollow tile arch serves by said filling of each tile to reduce the escape of heat upward through said arch from the fire below, and each tile having provisions adapting it especially and only for overhead position in said arch, without obstructing the insertion of said filling in each tile.

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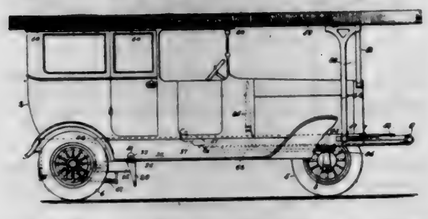
1,563,214. AUTOMOBILE. SOLOMON S. MARAN, New York, N. Y. Filed Oct. 25, 1924. Serial No. 745,926. 7 Claims. (Cl. 180—88.)



1. In an automobile, the combination with stopping means therefor, a movable frame at the top of the car tripping means normally holding the stopping means out of operation, and means connecting the frame with the tripping means whereby a slight movement of the movable frame releases the tripping means and brings the car to a quick stop.

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1,563,215. MAGNIFYING PAPER WEIGHT. PETER H. MEYER, Buffalo, N. Y. Filed May 4, 1922. Serial No. 558,424. 2 Claims. (Cl. 120—82.)

1. A combined paperweight and magnifying glass comprising a single piece of glass which is shaped to form a base and having an integral top portion having an upper convexly curved face which is in focus with the plane on which the base rests, the bottom face of the article being concaved so that the article rests on the edge portions of the base to prevent injury to said concaved face, the article having substantially upright and relatively high surface portions which extend from the base to the convex upper face.

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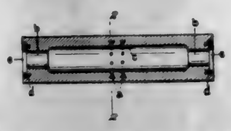
1,563,216. CAST ROLLER FOR MILLS. OTTO MOOG, Brunswick, Germany, assignor to Amme, Giesecke & Konegen, Aktiengesellschaft, Brunswick, Germany, a Corporation of Germany. Filed Jan. 20, 1925. Serial No. 3,647. 8 Claims. (Cl. 83—12.)



1. Cast roller for grain mills, for mills for hard material, and the like, comprising a roller having its axial bore enlarged between points adjacent its opposite ends and having rivets cast into its body with their ends projecting radially into said enlarged bore and adapted to have weighted bodies secured thereto for balancing the roller.

1,563,217. MECHANICALLY-OPERATED PENCIL. ARTHUR E. MOORE, Conimicut, R. I., assignor to Rex Manufacturing Co., Providence, R. I., a Corporation of Rhode Island. Filed July 14, 1925. Serial No. 43,575. 4 Claims. (Cl. 120—9.)

1. In a mechanically-operated pencil, a barrel portion, a point sleeve bushing secured to one end thereof, a tapered sleeve fitted over the bushing having one end shouldered against the barrel, and a point end member secured to said bushing and provided with a shoulder for engaging the adjacent end of said sleeve by which the sleeve is held against the barrel.

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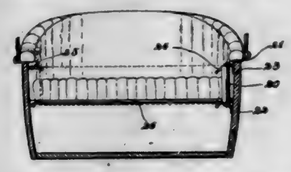
1,563,218. VEHICLE-SEAT ATTACHMENT. THOMAS H. MORRISON, Manitowoc, Wis. Filed May 31, 1924. Serial No. 717,042. 1 Claim. (Cl. 155—189.)



A guard for vehicle seats comprising an apron of fabric material, and means for stretching said apron across the front of the seat; said means including a spring roller, folding brackets for said roller secured at one side of the seat, fastenings at the bottom and free edges of the apron, and corresponding fastenings on the sides and bottom of said seat whereby said apron may be completely removed and the brackets laid flat against the side of the seat.

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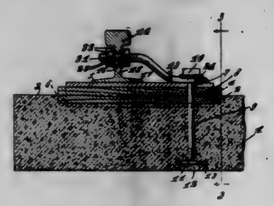
1,563,219. DETONATOR FOR LIQUID-OXYGEN EXPLOSIVES. CHESTER MOTT, Denver, Colo., assignor, by mesne assignments, to Purox Company, Denver, Colo., a Corporation of Colorado. Filed Apr. 29, 1924. Serial No. 709,781. 20 Claims. (Cl. 102—6.)

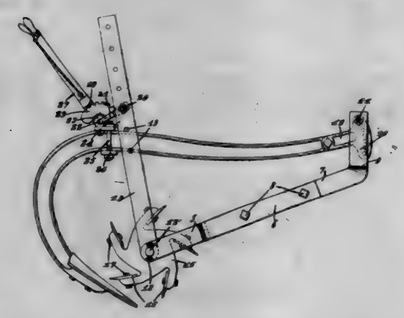
10. A detonator comprising: a tubular member bent into the form of a loop.

1,563,220. COMBINED RAIL ANCHOR, CHAIR, AND CUSHION. GEORGE ERNEST NAGEL, Greenville, Ohio. Filed July 24, 1925. Serial No. 45,917. 4 Claims. (Cl. 238—285.)



2. A device for the purpose set forth comprising a cushioning element for mounting on a concrete cross tie, a rail chair mounted on said element, a securing element seating on said chair and including an outer portion extending through the web of a track rail, said outer portion carrying means engaging the sides of the web for clamping said element therewith, and means extending through that part of the element mounted on the chair and further extending through the latter and cushion and embeddel in the tie for anchoring the track rail in position.

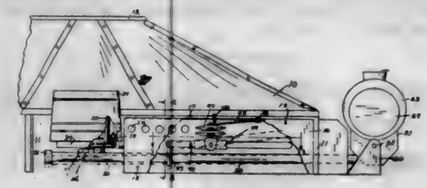
1,563,221. STALK CUTTER. WILLIAM S. NIX, Duncan, Okla. Filed Dec. 7, 1923. Serial No. 679,178. 1 Claim. (Cl. 55—61.)



In combination with a shovel plow and the stock thereof, a frame including side members adjustably connected with the plow stock, suspending bars pivotally connected with the side bars, a supporting plate adapted to be clamped on the plow stock, eye bolts on the supporting plate, an adjusting rod having right angled extremities mounted within the eye bolts, the right angled extremities being connected with the suspending bars to raise and lower the suspending bars, a rotary chopping member carried at the lower ends of the suspending bars, and means for operating the rod to raise or lower the suspending bars and chopping member.

1,563,222. THERMOSTATIC CONTROL OF HEATING APPLIANCES FOR BROODERS. JOHN B. OLSON, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis. Filed Mar. 8, 1924. Serial No. 697,929. 18 Claims. (Cl. 236—6.)

1. In a device of the character described, the combination with a fuel system comprising a supply tank, a pipe, and a burner in rigid connection and fulcrumed for oscillation, whereby such oscillation will vary the depth of fuel at the burner; of a thermostat operable on said fuel system to oscillate the said system about its fulcrum and thereby to control the heat generated by the

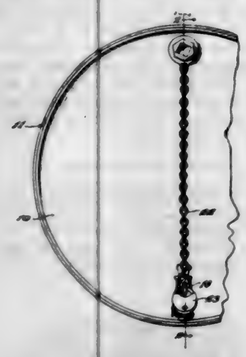


burner, said system being organized to present a substantially constant load to said thermostat irrespective of variations in the quantity of fuel in said tank.

1,563,223. NEEDLE THREADER. WALTER PARSONS, Brooklyn, N. Y. Filed Jan. 8, 1925. Serial No. 1,252. 4 Claims. (Cl. 223—86.)

1. A needle threading device, which comprises a chute portion, a depressible plate in the bottom of the chute on which the needle is adapted to rest, and means associated with the plate and the chute to guide the needle into a definite position.

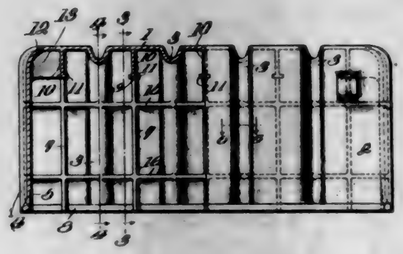
1,563,224. LOCKING DEVICE FOR TANKS. WILLIAM PEABODY, White Cloud, Kans. Filed July 14, 1924. Serial No. 726,010. 3 Claims. (Cl. 70—125.)



1. The combination with a tank having a filling opening and a draining faucet, of a common locking device for the filling opening and the faucet, said locking device including a plug threaded in the opening, a connecting member non-revolubly secured on the plug, the faucet being provided with an operating lever, and an element adapted to simultaneously engage the lever, the connecting member and the faucet to firmly lock them together.

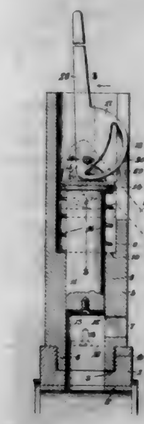


1,563,225. ANNEALING BOX. EMIL C. RAUSCHENBERG, Wheeling, W. Va., assignor to Wheeling Mold & Foundry Co., Wheeling, W. Va. Filed Dec. 23, 1924. Serial No. 757,626. 8 Claims. (Cl. 263—49.)



1. An annealing box having its sides and top walls provided with continuously transversely extending inwardly projecting corrugations, the sides and top walls provided with continuously transversely extending inwardly projecting ribs located substantially midway between the corrugations, the tops of the said ribs being of a width substantially greater than the depth of the corrugations, for the purpose described.

1,563,226. PORTABLE LUBRICANT OR GREASE CUP FILLER. RICHARD W. REED, Washington, D. C. Filed Apr. 26, 1924. Serial No. 709,279. 1 Claim. (Cl. 221—47.4.)

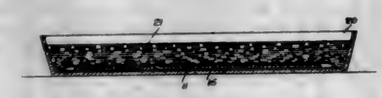


A portable lubricant or grease cup filler comprising a tubular body portion adapted to contain a body of lubricant or grease, a normally retracted spring controlled lubricant expelling plunger permanently arranged completely within said body portion intermediate the ends of the latter, a rotatable support extending through and journalled in said body portion, and a manually operated plunger shifting device connected eccentrically thereof to said means and having edge engagement with said plunger for shifting it to expel the lubricant, said body portion provided at one side with a lengthwise extending slot to constitute a clearance for said device.

1,563,227. LAMP TESTER. GEORGE H. RIEBETH, Minneapolis, Minn., assignor to French Battery & Carbon Co., Madison, Wis., a Corporation of Wisconsin. Filed Sept. 29, 1921. Serial No. 504,112. 6 Claims. (Cl. 175—183.)

6. In a device of the class described, a block having a bore therethrough of greater diameter than the head terminal of a dry cell battery, said bore being adapted to receive the base of a lamp from its outer end, a mounting to support a battery with the head terminal thereof within the inner end of said bore, and an electrical conductor having one terminal arranged to contact with the base of the battery and a second terminal reaching into said bore and terminating at a point adjacent to the position occupied by the battery terminal therein.

1,563,228. DAYLIGHT DEVELOPING OF PHOTOGRAPHIC PLATES AND FILMS. GREGORIO DELFIN RODRIGUEZ, Leon, Nicaragua. Filed Oct. 29, 1921. Serial No. 511,259. 3 Claims. (Cl. 95—89.)



1. The herein described method for daylight developing of exposed sensitized plates and films, which consists in transferring the exposed sensitized plate or film under the exclusion of light into an envelope of inactinic material, and then immersing the envelope with the plate or film therein in a developer containing a black inert substance to render the developer opaque.

1,563,229. TREAD AND RISER MARKER. MERLE T. SANDERS, Ashland, Ky. Filed Feb. 14, 1924. Serial No. 692,721. 1 Claim. (Cl. 33—98.)

A stair tread and riser marker comprising, a main bar of substantial length, a closed guide collar surrounding and depending from each end of said main bar, a pair of parallel end opposed bars shiftable longitudinally of said main bar through said guide collars, a rectangular collar of greater length than said other collars surrounding each inner end of each shiftable bar and said main bar and having its upper end extended above the main bar, securing members extending through the lower end of each of the last mentioned collars into and securing the same to a shiftable bar,

a locking screw extending through the upper end of each collar of greater length and having a bearing plate swivelled thereto within the collar and bearing upon the top of the main bar to lock the bars together, a link member pivotally secured at one end to the outer end of each shiftable bar, a terminal bar pivotally secured at one end to the other end of each link, and tightening means at each pivotal point for securing the links and terminal bars in position.

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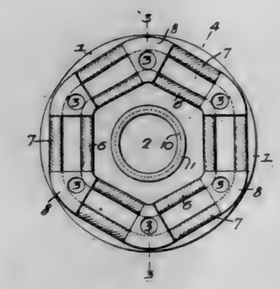
1,563,230. FLEXIBLE DISK FOR COUPLINGS. CARL A. SCHELL, Cleveland, Ohio, assignor to Thermoid Rubber Company, Hamilton Township, N. J., a Corporation of New Jersey. Filed July 12, 1921. Serial No. 484,254. 3 Claims. (Cl. 64—96.)



1. A flexible disk for flexible couplings consisting of a body portion of fabric and rubber vulcanized; rings of cords at each side of the disk; pads, said disk having a series of bolt holes; and pads at the bolt holes enclosing the cords.

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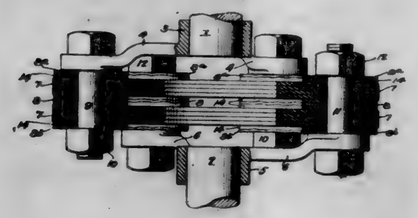
1,563,231. DISK FOR FLEXIBLE COUPLINGS. CARL A. SCHELL, Cleveland, Ohio, assignor to Thermoid Rubber Company, Hamilton Township, N. J., a Corporation of New Jersey. Filed July 10, 1920. Serial No. 395,811. 3 Claims. (Cl. 64—96.)



1. A transmission disk made of fabric and rubber and having a series of bolt holes therein, said disk being thickened at the bolt holes by addition of integral layers of like material, whereby the moment of flexure is carried away from the bolt holes.

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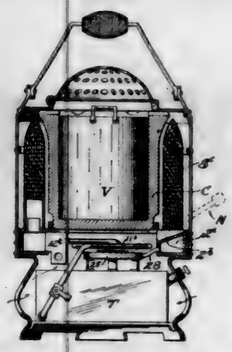
1,563,232. OIL AND GAS BURNER. FRANK T. SCHLOTZHAUER, San Francisco, Calif. Filed July 6, 1921. Serial No. 482,681. 6 Claims. (Cl. 158—62.)

6. In an oil burning stove an annular gaseous fuel chamber, a retort arranged within the circular chamber and surrounded thereby and which chamber is connected to the discharge end of the retort, a preliminary igniting device including a pan arranged below the retort to receive an initial charge of combustible material for initially heating the retort, and a gas con-



nection between the said chamber and the said device for supplying a portion of the generated fuel to the igniting device after generation has started in the retort.

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1,563,233. KNITTING NEEDLE. ROBERT W. SCOTT, Babylon, N. Y., assignor to Scott and Williams, Inc., New York, N. Y., a Corporation of Massachusetts. Filed Dec. 30, 1922. Serial No. 609,850. 2 Claims. (Cl. 66—5.)

1. A two-part knitting machine needle, one part having an open side groove in its rear portion to receive and guide a tail piece on the other, the adjacent edges of the shanks of the two parts forward of said tail piece having a guiding groove connection.

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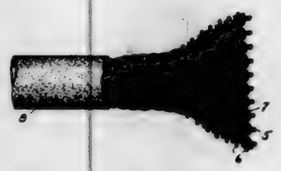
1,563,234. FLEXIBLE NONMETALLIC ELECTRIC CONDUIT. HENRY M. SHORT, Penn Yan, N. Y. Filed Jan. 30, 1922. Serial No. 532,659. 1 Claim. (Cl. 247—40.)



A single wall, flexible, non-metallic electric conduit comprising longitudinal tension cord members of fibrous flexible material, a stiffer continuous helical coil member formed of fibrous material, a tie member tightly knitted about said coil and cord members and formed of soft fibre and having loops tightly holding portions of said tension cord members between the adjacent turns of said coil member, said members being embedded in each other at the points of contact, parts of said loops and said tension cord members and said coil member forming a smooth inner surface of said conduit, and a fireproof and waterproof composition covering the outside of said conduit and impregnating and stiffening the outer parts of said members and securing said tension cord members to said helical coil member.

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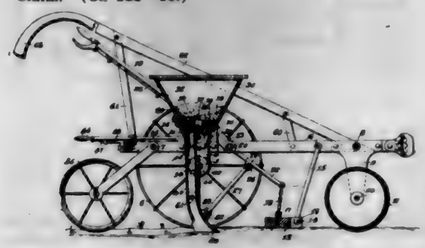
1,563,235. PLANTER. ELIZABETH B. SMITH, Marvell, Ark. Filed July 26, 1923. Serial No. 653,952. 1 Claim. (Cl. 111—59.)



An agricultural machine comprising a rectangular frame, a combined furrow opener and seed conductor member depending therefrom and disposed at the longitudinal center thereof, that part of said member forming the furrow opener being pivoted, an adjustable incline lifting lever pivoted intermediate its ends to one side of said frame and having its lower portion bent at right angles to the main portion and extending transversely across the frame, a lug depending from the end of said transverse portion, and a rod pivotally connected at its upper end to said lug and at its lower end to the pivoted part of said member.

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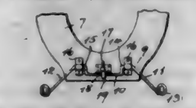
1,563,236. PORTABLE TOILET SEAT. LAYTON F. SMITH, Philadelphia, Pa. Filed Feb. 19, 1925. Serial No. 10,212. 1 Claim. (Cl. 155—151.)



A portable toilet seat having an opening therein and provided with spaced bearings on the under surface and at opposite sides of the seat adjacent to said opening, in combination with supports for the opposite ends of said seat each comprising a bar having an intermediate portion which extends crosswise beneath and in close proximity to the under side of the seat between certain of said bearings, said bar at the opposite ends of said intermediate portion having off-sets to said intermediate portion which are engaged by two of said spaced bearings, and extend therethrough to provide pivots for the bar; the free ends of said offsets diverging and spread apart to form legs which extend away from the said bearings, said legs being bent at an angle with respect to the portion that lies between said bearings, so that when said free ends of the bar are swung outwardly away from the under side of the seat to operative position below the seat, when forming a support for the latter, the position of the intermediate portion of the bar between the spaced bearings will form a crosswise bottom brace against the under side of the seat between said bearings, whereby to brace the seat at its under side adjacent said opening.

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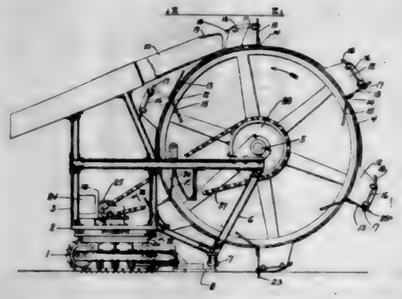
1,563,237. LOADER. FRANK O. STALLMAN, San Francisco, Calif. Filed May 28, 1925. Serial No. 33,895. 9 Claims. (Cl. 37—9.)

1. A loader comprising the combination of a portable carriage, a relatively large wheel mounted on a horizontal axis thereon, a plurality of scoop buckets carried in spaced relation on the periphery of the wheel, a portion of each bucket being collapsible relative to the remainder of the bucket, power means for rotating the wheel in one direction, a chute cooperating with the buckets to receive material therefrom as the wheel is



rotated in the said one direction, means permitting the said portion of each bucket to collapse at the chute to permit the buckets to pass the chute, and means for automatically re-forming the buckets after they have passed the chute.

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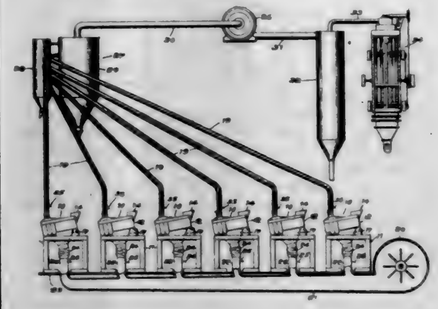
1,563,238. CONCENTRATING UNIT. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Mar. 9, 1923. Serial No. 623,890. 2 Claims. (Cl. 83—54.)



1. A concentrator unit comprising in combination, a series of concentrator tables each having an enclosed deck, a deck surface therein, and an air chamber below the deck surface; means for supplying air under pressure to each deck from a common source, comprising a fan and conduits for conducting air under pressure from the fan to each deck; and means for removing the dust laden air from the different decks comprising an exhaust dust collector, an auxiliary dust collector connected to the exhaust dust collector between the latter and the decks to form a container adapted to receive the discharge ends of the different conduits and to provide a settling chamber, separate branch conduits leading from each deck to the auxiliary dust collector, and a suction fan for sucking the dust laden air from the different decks successively through the conduits, auxiliary dust collector and suction dust collector.

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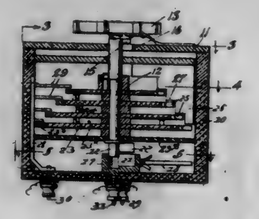
1,563,239. COMBINATION AUTOMOBILE LOCK. RALPH A. STEWMAN, Akron, Ohio. Filed Aug. 25, 1922. Serial No. 584,245. 6 Claims. (Cl. 200—45.)

1. A lock for the purpose indicated having a switch arm, an operating spindle axially movable for inter-

locking engagement with the switch arm, tumbler disks arranged in co-axial relation with the spindle and



actuable thereby, and a follower actuable by the spindle in the axial movement of the latter and normally impeded in its movement by the tumbler disks.

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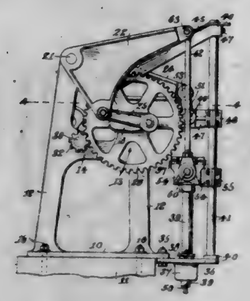
1,563,240. PUMP JACK. PATRICK E. TABOR, Joplin, and VOYLE V. KIRKPATRICK, Jackson County, Mo. Filed May 14, 1923. Serial No. 639,000. 2 Claims. (Cl. 74—14.)



1. In an apparatus of the class described, a supporting frame including spaced side members, a shaft journalled on said frame and formed with an intermediate crank disposed between the side members of the same and co-acting crank elements externally of the frame side members, an inner beam member mounted for oscillation between the frame side members, a connecting member between the intermediate crank and the inner beam member, co-acting outer beam members mounted for oscillation on the frame members externally thereof, connecting members respectively between the external elements and the outer beam members, co-acting pump rods, connecting means between the intermediate beam member and one of said pump rods, and connecting means between the external beam members and the other of said pump rods.

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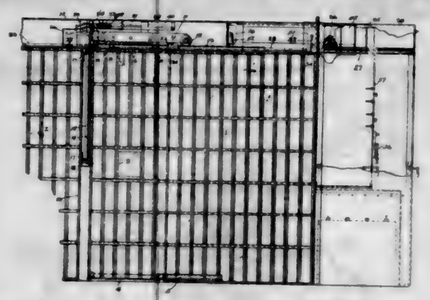
1,563,241. DOOR OPERATING AND LOCKING MECHANISM. EARL E. TOON, Cleveland Heights, Ohio. Filed May 5, 1924. Serial No. 711,105. 18 Claims. (Cl. 189—7.)

In mechanism of the character described, the combination with a slidable door; of a catch on said door; a vertically reciprocable bolt adapted normally to interlock with said catch; an electro-magnet adapted when energised to lift said bolt; and a guard operatively in-



terconnected with said door and adapted to prevent dropping of said bolt by moving beneath the same when said door is open.

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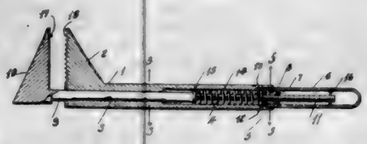
1,563,242. WRENCH. JACOB M. TWEIT, Holcombe, Wis. Filed May 27, 1924. Serial No. 716,232. 1 Claim. (Cl. 81—169.)



A wrench comprising a bar provided with a bore having circular and non-circular portions, the outer end of the circular portion of the bore being enlarged to provide a socket, a shank of non-circular formation in cross-section slidably mounted in the bore and provided at its outer end with a jaw and at its inner end with a reduced screw-threaded stem, an abutment removably secured within the socket, a spring located within the bore between the shank and abutment, a hollow handle having its inner end removably positioned in the socket in contact with the abutment, a nut threaded on the stem and located within the inner end of the handle, and a nut-receiving element carried by the handle and engaging the nut and located within the socket.

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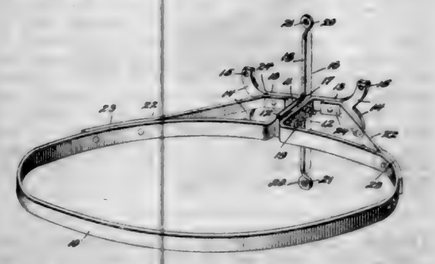
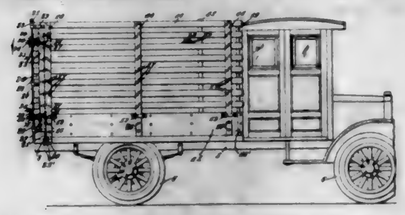
1,563,243. BASKET-BALL GOAL. EDWARD K. VAN GORDEN, Horseheads, N. Y. Filed Apr. 30, 1925. Serial No. 27,089. 10 Claims. (Cl. 273—1.)



1. In a basketball goal, in combination, a ring, an arm secured to said ring, a supporting foot secured to said arm, and a brace secured at one end to said ring and at the other end to said foot.



1,563,244. TRUCK BODY. HARVEY J. WEETH, Springfield, Nebr. Filed July 29, 1919. Serial No. 314,006. 1 Claim. (Cl. 296—12.)



A removable body for wagons comprising vertically spaced side members, a pair of spaced stanchion bars having their ends connected to the side members adjacent to the upper edges thereof, stationary bars held between the stanchion bars, pivoted bars cooperating with the stationary bars to provide stanchions, and said stanchions adapted to be moved with the side members.

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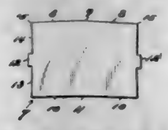
1,563,245. CORNER PIECE FOR BUILDING STRIPS. PETER P. WELTY, Pandora, Ohio. Filed June 17, 1925. Serial No. 37,736. 2 Claims. (Cl. 20—5.)



2. A corner piece for application to cover strips for a side wall, consisting of a normally flat plate with one side edge having a central maximum projection from which the adjacent side portions have an upward inclination to the ends of the piece and the opposite side edge having a maximum depression with the adjacent edge portions extending upwardly towards the end, the piece also having end edges with central substantially rectangular projections and the remaining portions of the said end edges inclining outwardly in reverse directions to and forming corner structures with the terminals of the said side edges, the corner piece being centrally bendable in reverse directions in line with the maximum projection and depression at the opposite side edges to adapt the same to inner and outer corner formations.

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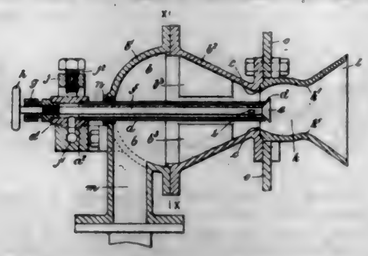
1,563,246. LIQUID-FUEL BURNER OR ATOMIZER. CORNELIS ZULVER, London, England. Filed May 26, 1924. Serial No. 715,970. 4 Claims. (Cl. 158—75.)



4. The improved oil burner or atomizer comprising the combination of an oil supply pipe, a convergent air chamber surrounding said pipe, helical vanes mounted upon the inner walls of said air chamber and adapted to rotate the air within said air chamber as it moves toward the convergent end thereof, said supply pipe at its outer end extending outwardly from the convergent end of said air chamber, a mixing chamber secured to the convergent end of said air chamber and extending outwardly therefrom, said mixing chamber being substantially larger than said convergent end of said air chamber, and a divergent deflecting cone mounted within said mixing chamber and partially extending into the outer end of said pipe, said deflecting cone being adapted to deflect the oil and air into said mixing chamber whereby to atomize the oil.

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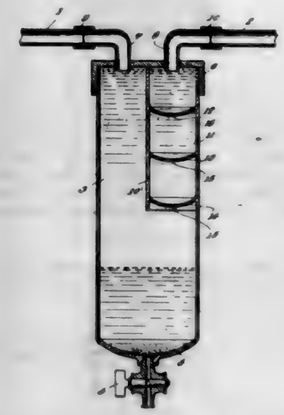
1,563,247. FILTER. HENRY BRUSO and ROLAND KRUM, St. Clair, Mich. Filed Apr. 17, 1922. Serial No. 553,373. 1 Claim. (Cl. 210—165.)



The combination with a pipe leading to a fuel supply and a pipe leading to the carburetor of an internal combustion engine, of a casing for the fuel between the pipes having a concaved lower end provided with an outlet, a stop cock controlling the outlet, a partition depending from the top of the casing and dividing one portion of said casing into a compartment, horizontally disposed concaved baffle partitions in the compartment, each having a single centrally disposed restricted opening, a removable top closing the upper portion of the casing and the compartment therein, angle pipes passing through the top, couplings connecting the angle pipes to the first mentioned pipes and one of said angle pipes communicating with the mentioned compartment.

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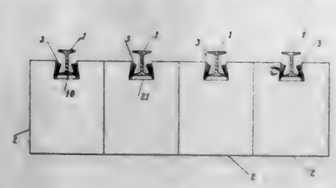
1,563,248. FURNACE ARCH. CHARLES WESLEY BURROUGHS, Montreal, Quebec, Canada. Filed Dec. 24, 1924. Serial No. 757,856. 6 Claims. (Cl. 110—99.)



1. In a suspended arch furnace setting, a series of longitudinal I beams on the roof of the fire box, and rectangular fire bricks with central upwardly diminishing grooves in their upper ends and wedges to secure the I beams in the grooves.

1,563,249. WHIRLING TOY. RAFFAELE CANDIDO, Baltimore, Md. Filed Mar. 28, 1925. Serial No. 19,078. 2 Claims. (Cl. 46—46.)

1. A noise producing toy of the character described comprising a resonant shell, a screw threaded sleeve secured to one end thereof, a top for said shell and being threadedly secured to said sleeve, a diaphragm interposed between the top and the shell, said top being provided with an opening, a flexible element secured to said diaphragm and passing through said opening and the handle for receiving the opposite end of said element.

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1,563,250. TRIGGER GUARD. FRANK J. CAPON, Camden, N. J. Filed June 24, 1925. Serial No. 39,359. 3 Claims. (Cl. 42—1.)

1. A trigger guard for fire arms, comprising a casing adapted to cover said trigger and having a finger receiving opening therein, a curved extension overlying said opening and beneath which the finger must pass in reaching said opening, and a finger actuated slide operating in said guard and normally projected in advance of the trigger, and within said extension to partly close said opening.

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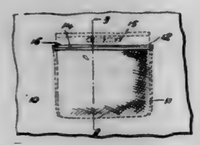
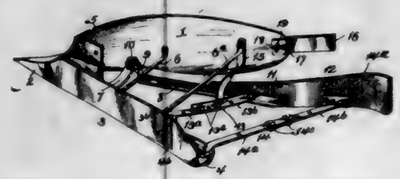
1,563,251. POCKET LATCH. HYMAN CHERNOFF, New York, N. Y. Filed Jan. 19, 1925. Serial No. 3,469. 1 Claim. (Cl. 292—120.)



A pocket latch comprising a pair of separable members adapted to be respectively secured to opposite walls of a pocket, a lockbar slidable within one of said members and having one end extending beyond one end of the member and provided with a manipulating portion, spaced L-shaped fingers extending from said latch bar and movable in respective slots provided in one face of said member, the other of said members having spaced slots therein for receiving the respective L-shaped fingers, and a spring carried by said first member and acting against one of said L-shaped fingers for holding all of said fingers in co-acting engagement with the end walls of said slots provided in the second member.

1,563,252. PLOW. CHARLES F. CARLSON, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed Nov. 23, 1920. Serial No. 426,041. 11 Claims. (Cl. 97—1.)



1. An attachment for a plow base of the landside and mold board type, comprising a furrow crowding member adapted to run in the bottom of a furrow, and securing means for connecting said member with a plow base so that it will extend rearwardly of the mold board and laterally of the path of travel of the plow base, said member having a rear lateral curvature.

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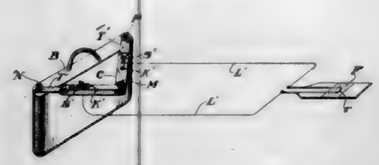
1,563,253. CONNECTER FOR FIRING EXPLOSIVE CHARGES. NELSON C. COTABISH, Cleveland, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed Jan. 4, 1921. Serial No. 434,971. 7 Claims. (Cl. 200—52.)



1. Electrical switch means for use in controlling electrical circuits, said switch means comprising the combination of two independently operable circuit closers, terminals severally electrically connected to said circuit closers and adapted to be secured to the binding posts or terminals of a battery, and means supporting said terminals so they are adjustable relatively to one another.

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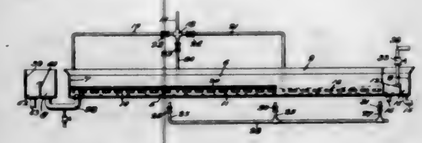
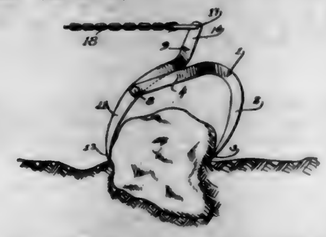
1,563,254. BRUSH PAN. CHARLES LOUIS CORNE, Broussard, La. Filed June 17, 1925. Serial No. 37,783. 5 Claims. (Cl. 150—37.)

1. A brush pan comprising a pan body of elongated and substantially narrow construction with a cold and a hot end, a discharge for the impurities at the cold end, and a discharge for the pure juice at the hot end of the pan, means for charging the tank at the cold end thereof, and a series of heating units in the hot end of the pan having separate controls whereby the juice is subjected to progressively decreasing ranges of temperature from the hot toward the cold end of the pan, with a cover plate located above the heating units adjacent to the hot end.



1,563,255. STONE PULLER. JAY J. COUCH, Bismarck, N. Dak. Filed Sept. 15, 1923. Serial No. 662,974. 3 Claims. (Cl. 87—2.)



1. A stone puller comprising a hook having its upper end provided with arms, a gripping jaw including a shank, the lower end thereof terminating into curved furcations, the furcations of said gripping jaw being pivotally supported intermediate their ends between the outer ends of said hook arms.

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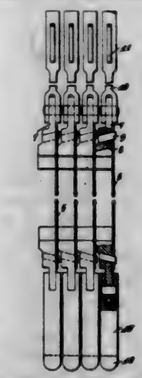
1,563,256. GANG-SAW HANGER. ROBERT R. CRANE, Menominee, Mich. Filed May 24, 1924. Serial No. 715,659. 1 Claim. (Cl. 143—156.)



In a device of the character described, saw heads, said saw heads having a plurality of spaced openings, saw blades having openings adapted to register with the openings of the saw heads, the walls of the openings being inclined with respect to the front and rear surfaces of the heads, and securing pins adapted to be forced through openings of the saw blade and into the inclined openings of the saw heads to secure the saw blades to the saw heads.

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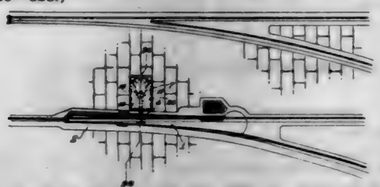
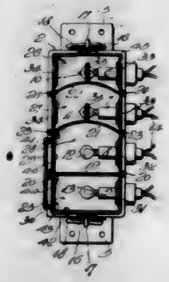
1,563,257. SWITCH BOX. FRANCIS M. CROSSLEY, Detroit, Mich; Cora Aurelia Crossley guardian of said Francis M. Crossley, incompetent person. Filed Aug. 16, 1924. Serial No. 732,442. 5 Claims. (Cl. 246—318.)



1. In a device of the class described, a switch box, switch retaining mechanism, and a plurality of ribs on the inner walls of said box, providing for the support of said mechanism in different adjusted positions in said box.

1,563,258. AUTOMOBILE SIGNAL. JOHN A. CUNNINGHAM, Bethlehem, Pa. Filed Apr. 10, 1924. Serial No. 706,555. 3 Claims. (Cl. 177—329.)



1. In a device of the class described, the combination of a signal casing, bulb sockets mounted in one end of said casing, said casing having internal guideways extending longitudinally along opposite sides, a partition plate slidably received in said guideways and dividing said casing into compartments, the side edges of said plate fitting in said guideways, said plate being transversely arched and resilient to adapt it to fit tightly against and in said guideways, and a reflecting flange projecting laterally from the convex side of said plate into one of said compartments and extending longitudinally of said plate intermediate of its side edges, said flange being of less height than the last mentioned compartment to permit said plate to flex to fit said guideways.

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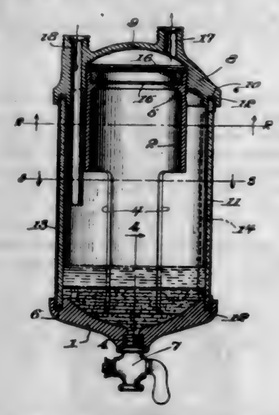
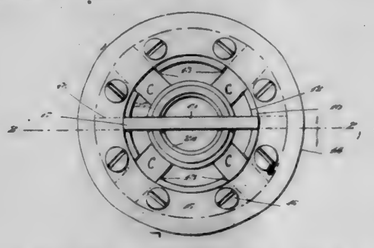
1,563,259. FILTER AND TRAP. JOHN S. CRISLER, Carson, Iowa. Filed Feb. 13, 1925. Serial No. 8,970. 1 Claim. (Cl. 210—165.)



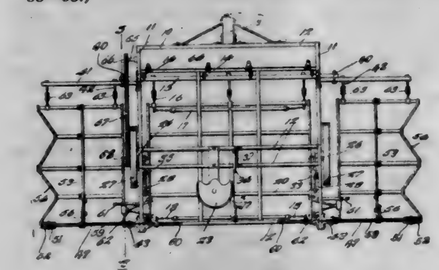
A device of the class described comprising a base having a drain opening, a cylinder connected at its lower end with the base and forming a central chamber, a second cylinder surrounding and spaced from the first and forming an outer chamber, a top member connected with the inner cylinder, and with the top end of the outer cylinder, the top member having an inlet passage therein communicating with the top of the other chamber and an outlet passage communicating with the top of the inner chamber, a screen adjacent the top of the inner chamber, the inner cylinder having elongated openings in its bottom part and a window in the outer cylinder.

1,563,260. PIPE-END TRIMMER. JOHN M. CROMLEY, Lewisburg, Pa. Filed July 12, 1924. Serial No. 725,648. 3 Claims. (Cl. 77—73.)



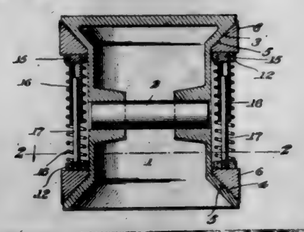
1. A pipe end trimmer comprising a cutter having terminal portions to be secured to a die head, and having a reamer portion between said terminal portions and a secondary reamer portion integral with the aforesaid reamer portion and arranged at right angles therewith, said reamer portions having converging cutting edges.

1,563,261. COMBINED HARROW AND GRASS SEEDER. SIMON PETER CURTIS, Missouri Valley, Iowa. Filed Aug. 30, 1924. Serial No. 735,209. 4 Claims. (Cl. 55—93.)



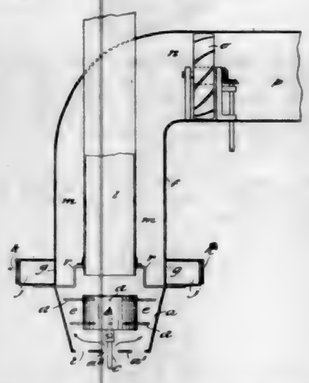
1. In a harrow, a main frame, a main harrow member suspended below said frame, ground engaging wheels for the frame, arms pivotally mounted at the sides of the main frame, means for holding said arms against pivotal movement, and side harrows flexibly suspended between said arms.

1,563,262. PISTON. ALVA M. DAVIS, Salt Creek, Wyo. Filed July 6, 1925. Serial No. 41,830. 1 Claim. (Cl. 74—108.)



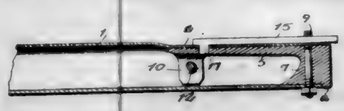
A piston having outwardly flared shoulders adjacent to the ends thereof, piston rings having inwardly flared faces for engaging said shoulders, each of said rings comprising a plurality of sections having lateral and longitudinal interengaging tongues and grooves, annular members contacting with the inner faces of the rings, each of said members comprising a plurality of sections, interengaging means between the ends of the sections, depending tubes carried by one of said rings, upstanding rods on the other member received in the tubes, and helical springs surrounding the rods and tubes and contacting said members, for the purpose set forth.

1,563,263. METHOD OF DEFIBRATING COTTON SEED AND OTHER FIBER-BEARING MATERIAL. EDWARD CARSTENSEN DE SEGUNDO, London, England. Filed Oct. 31, 1922. Serial No. 598,170. 1 Claim. (Cl. 19—46.)



A method of defibrating cotton seed, decorticated cotton seed hulls, and other fiber-bearing material, which consists in causing the material to be treated to pass through a defibrating zone under the action of gravity and centrifugal force and causing defibration to occur during the movement of the material through such zone, the rate of movement of the material operated upon being regulated according to the degree to which it is desired to defibrate the material by varying the cross sectional area of the zone and freely discharging the defibrated material from the defibrating zone and subjecting the material operated upon to a mechanically and positively produced current of air which is caused to traverse the mass of material throughout the whole of the defibrating zone in a direction opposed to that in which the material is moving as a whole through the defibrating zone so that the fibers detached from the material throughout said zone are continuously carried away by the current of air during the defibrating action and discharged in a direction substantially opposed to the direction of motion of the mass of material through the defibrating zone.

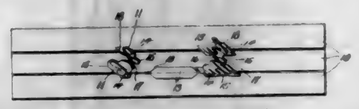
1,563,264. SNATH FOR SCYTHES AND THE LIKE. ARCHIE M. DIAL, Washington, Ind. Filed Oct. 3, 1923. Serial No. 666,417. 1 Claim. (Cl. 56—326.5.)



A snath of the class described provided with a tubular body flattened at one end to provide a seat having therein a slot and a plurality of apertures, and a filler block including a flat body for insertion into the flattened end of the snath, a head formed on one end of the filler block, a heel plate carried by the head arranged to engage the outer end of the snath and to project beyond said end of the snath, when the body is situated therein, said body being provided with a plurality of openings registering with the openings of the seat, and a blade engaging loop bolt passing through the slot of the seat and the body of the filler for holding the seat and filler assembled.

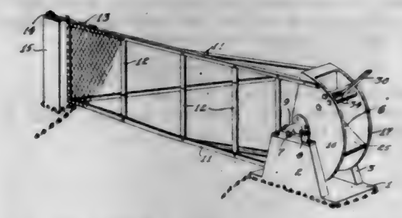


1,563,265. FLANGED TYPE. PAUL DIXON, Atlanta, Ga. Filed June 30, 1924. Serial No. 723,328. 3 Claims. (Cl. 101—399.)



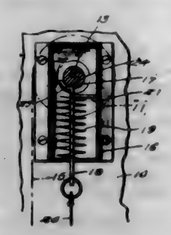
1. A printing type member adapted to simulate engraving, comprising a strip of uniform thickness returned upon itself to provide a flat double thick shank and being bent oppositely and outwardly at the inner end of the shank to provide outwardly extending flanges, a body portion secured across said flanges, and a character cut out of said body portion, said body portion being of substantially the configuration of said character.

1,563,266. GATE. ROBERT LEE DURHAM, Buena Vista, Va. Filed June 19, 1922. Serial No. 569,260. 7 Claims. (Cl. 39—60.)



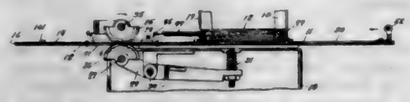
1. A gate mounted to move from closed to full open position, and automatic fluid-weight means set into operation upon movement of the gate to full open position to close the gate, said fluid weight means comprising the sole gate closing means.

1,563,267. SPRING SHADE ROLLER. AUGUST ECKMANN, New York, N. Y. Filed Sept. 18, 1924. Serial No. 738,461. 1 Claim. (Cl. 156—28.)



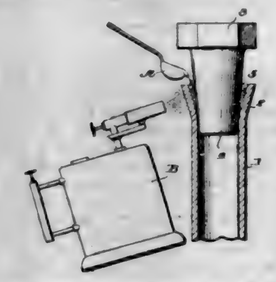
A detent device for a spring shade roller trunnion, said device comprising a casing having an opening to receive the trunnion, a detent member within the device, said member being in a single piece generally disposed midway of the casing, said detent member having lateral projections at opposite sides thereof to engage opposite sides of the casing to guide the movement of the detent member, one of said projections being higher than the other and provided with a curved bearing surface for engagement with the trunnion, said projection having a tooth at said surface to engage the trunnion notch, an expansive spring surrounding the detent member engaging the lower wall of the casing and the lowermost projection, said detent member extending through the lower wall of the casing to facilitate operation.

1,563,268. STENCIL-PRINTING MACHINE. HARMON P. ELLIOTT, Cambridge, Mass. Filed Jan. 24, 1924. Serial No. 688,298. 49 Claims. (Cl. 101—49.)



1. A stencil printing machine comprising means to advance stencils in successive order toward a printing position and means to move a selected stencil repeatedly into and out of such printing position including means to disable said stencil-advancing means.

1,563,269. PIPE JOINT AND METHOD OF MAKING THE SAME. FRANK FERGUSON, Charleston, W. Va., assignor to Emery E. Ferguson, Charleston, W. Va. Filed Mar. 25, 1924. Serial No. 701,725. 3 Claims. (Cl. 22—204.)



2. The hereindescribed method of joining a lead pipe to a pipe fitting of a different metal which comprises providing a fitting having a nipple portion of substantially the same size as the interior diameter of the lead pipe, tinning such nipple portion, expanding the end of the lead pipe for a distance less than the length of the nipple, inserting the tinned nipple portion of the fitting into such expanded end of the pipe, with the extreme end of the nipple extending into and substantially filling the bore of the unexpanded portion of pipe, and pouring molten solder into the tapering annular chamber between said nipple and expanded walls of the pipe end, while applying heat to the outside of the latter.

1,563,270. FASTENER. IKLEY C. FIFE, Chicago, Ill. Filed Jan. 18, 1924. Serial No. 687,113. 1 Claim. (Cl. 24—230.)

A fastener of the class described including an outer casing open at one end, a restricted mouth portion surrounding the open end, a second casing adapted to be

inserted through said mouth portion and having longitudinally opposed slots in the side walls thereof, a spring member having its intermediate portion formed U-shaped with its arms inclined laterally in opposite directions and inwardly projecting portions at the outer ends of the inclined portions forming oppositely disposed shoulders movable through the slots in the second casing, the ends of said spring member forming handles projecting in divergent relation from the inner ends of the shoulder portions whereby the inclined portions will engage the edges of the restricted mouth when inserting the second casing into the first casing to engage the shoulders with the inner edge of the restricted portion, said handle being compressed toward each other for releasing the shoulders.

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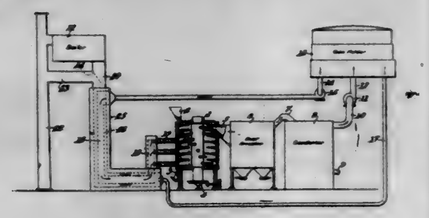
1,563,271. PROCESS OF RECOVERING OIL FROM SHALE. CARL S. FOGH, Philadelphia, Pa., assignor to Ore Roasting Development Company, Philadelphia, Pa., a Corporation of Delaware. Filed Nov. 26, 1920. Serial No. 426,558. 2 Claims. (Cl. 202—16.)



1. The continuous process of vaporising the volatile constituents of oil shales and oil sands comprising heating such material during its passage through a practically gas-tight mechanically-rabbled furnace by contact with practically non-oxidising gases heated to a temperature sufficient to vaporize the volatile constituents, removing the gases carrying the volatile constituents from the furnace in continuous flow and condensing the condensible volatile constituents from the said gases, and reheating the fixed gases to a sufficient temperature to cause vaporization of the volatile constituents from the material pasing through the furnace and passing such heated gases into the furnace.

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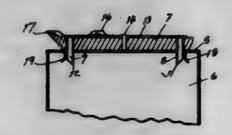
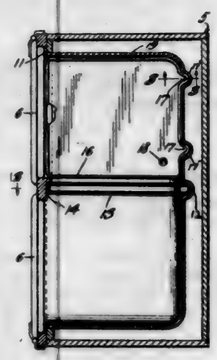
1,563,272. COMBINED MILK-CAN OPENER AND SEALER. ALBERT FONAAS, Schofield Barracks, Territory of Hawaii. Filed Aug. 5, 1924, Serial No. 730,251. Renewed Oct. 12, 1925. 1 Claim. (Cl. 221—23.)



In a device of the character described, a casting, tubes secured to said casting, said tubes having pointed ends and being capable of piercing the top of a can, a cover plate secured to said casting and adapted to overlie said tubes, means for rotating said cover plate for the purpose of exposing the ends of said tubes, said means consisting of a finger-piece formed integral with said cover plate, and a lip formed on said casting and adapted to extend beyond the outer margin of the can being operated upon and inclined upwardly so as to lie in a plane above the opening of the tubes secured thereto.

1,563,273. REFRIGERATOR LINING. HARRY C. FRATT, Norristown, Pa. Filed Feb. 13, 1925. Serial No. 9,052. 2 Claims. (Cl. 62—89.)



1. The combination with a refrigerator, of a metallic casing arranged therein and spaced from the walls of the refrigerator and provided with groove and a plurality of sockets in its rear wall, a partition arranged within the casing and having one edge received in the groove and an ice supporting pan provided with projections on its rear edge which are received in the sockets.

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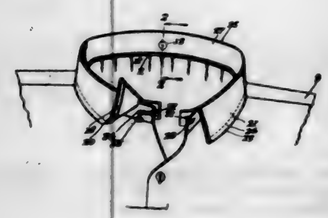
1,563,274. REVERSIBLE COLLAR. CHARLES S. FURMAN, Lansing, Mich. Filed Aug. 25, 1925. Serial No. 52,397. 5 Claims. (Cl. 2—129.)



1. A reversible collar for shirts comprising a neckband, a collar section secured to said neckband, a second collar section lying substantially parallel with the first section and reversibly secured thereto to expose the first section, said second section covering the wearing surface of the first section in one position and being covered by the first section in the reversed position, and an anchoring band on the second section adapted to be secured to the collar band.

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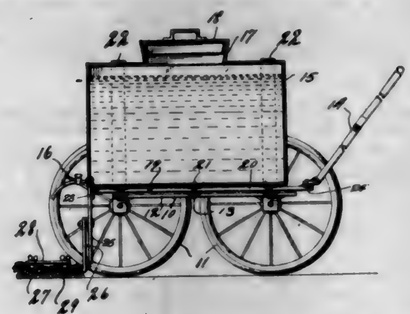
1,563,275. FLOOR-SCRUBBING DEVICE. ALICE J. GRABILL, Imler, Pa. Filed Mar. 28, 1925. Serial No. 19,139. 3 Claims. (Cl. 15—50.)

1. A scrubbing device of the character described comprising a wheeled supporting frame, a tank detachably mounted upon the frame, a handle whereby the supporting frame may be shifted, depending members mounted upon the forward end of the frame, a mop support adjustably mounted upon said depending members for vertical adjustment, the mop support comprising a lower





frame, and an upper frame clamped upon the lower frame and a mop engaged between said last named frames.

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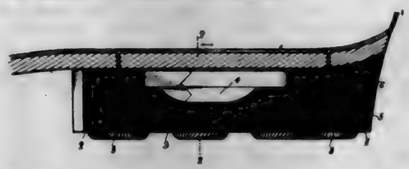
1,563,276. HEEL FOR BOOTS AND SHOES. JAMES E. GROSJEAN, Lima, Ohio. Filed Dec. 7, 1921. Serial No. 520,557. 1 Claim. (Cl. 36—35.)



A heel for boots and shoes comprising a body composed of a breast of rigid material and a rear tread part of soft yielding material, and a connecting member composed of a plurality of plies of fabrics and interposed layers of rubber extending substantially parallel to the tread of the heel, the adjacent edges of said breast and rear part of the heel being vulcanized together, and the connecting member extending across the joint thus formed between the breast and rear part of the heel and vulcanized to the breast and rear part of the heel, the connecting member thereby tying together the breast and rear part of the heel and strengthening the joint formed between them.

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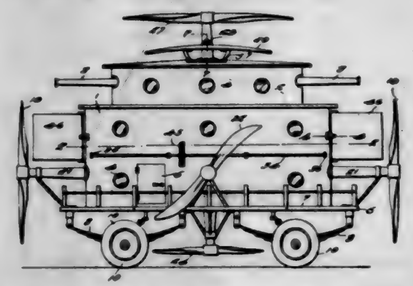
1,563,277. ATTACHMENT FOR PENCILS. CLIFFORD M. HADDOX, Charleston, W. Va. Filed Jan. 7, 1924. Serial No. 684,842. 2 Claims. (Cl. 120—84.)

1. A pen retaining attachment for pencils comprising a singe tubular member provided with a slit extending longitudinally thereof from one of its ends nearly to but short of the other end thereof, said tubular member being made of a material possessing inherent resiliency and being adapted to have the slitted end portion slipped over the end of a pencil and the butt end of a pen inserted between the unslitted portion of the tubular member and the end of the pencil, said unslitted portion of the tubular member being adapted on further inward movement thereof on the pencil to clamp the butt portion of the pen securely against the pencil.

1,563,278. AEROPLANE. WILLIAM HALE, Litwar, W. Va. Filed Apr. 7, 1925. Serial No. 21,397. 3 Claims. (Cl. 244—15.)



1. An aircraft of the class described comprising a body, running gears for the same, a propeller at each end of the body, an engine for each propeller, steering mechanism at each end of the device and connected with the wheels of the running gears, means for locking the steering mechanism not being used and means for causing the vehicle to rise and descend.

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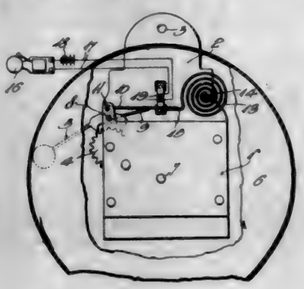
1,563,279. FIRE ALARM. FRANK P. HARTLEY, Bangor, Me. Filed May 19, 1924. Serial No. 714,435. 2 Claims. (Cl. 116—102.)



2. An alarm comprising a gong, a pivoted clapper cooperable with said gong, a spring motor for actuating said clapper, said motor having a projecting back plate, a spring arm mounted on said motor and normally engaging said clapper to hold the latter against operation, a post extending rigidly from the projecting portion of said back plate adjacent the free end of said spring arm, and a spiral thermostat anchored at its inner end to said post, the outer end of said thermostat being bent laterally outward and engaging the free end of said spring arm, whereby to automatically release the latter upon a predetermined rise in temperature.

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1,563,280. SURGICAL AND DENTAL APPLIANCE. GEORGE FRANKLIN JACKSON and FRED EARNEST CAMPBELL, Litle Rock, Ark. Filed May 15, 1925. Serial No. 30,582. 1 Claim. (Cl. 230—13.)

A vessel having a removable cap, an exhaust duct mounted on the cap and in communication with the interior of the vessel, a compressed air admission duct mounted on the cap and extended into the vessel, a U-shaped nozzle duct mounted on said admission duct extending transversely beneath the cap within the vessel and terminating in a discharge orifice, said exhaust duct having a bell mouth into which the discharge orifice end of said nozzle extends, and a third duct carried by the

cap and extending into the vessel and terminating above said nozzle for delivering material into the vessel by

suction produced through reduction of air pressure within the vessel substantially as shown and for the purposes described.

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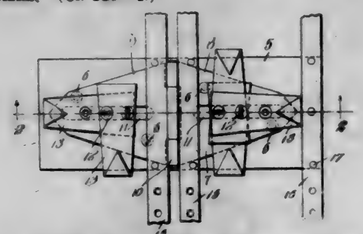
1,563,281. CORN HUSKER. LEVI JARVIS, Cedar Rapids, Nebr. Filed Jan. 26, 1924. Serial No. 688,738. 1 Claim. (Cl. 130—4.)



In a device of the character described a supporting strap, a supporting body having a longitudinally disposed slot secured to the strap, a plurality of hook members, each of said hook members having an elongated opening, securing members adapted to pass through the slot of the body portion and elongated openings of the hook members to secure the hook members to the body, whereby the hook members may be held in transverse relation to each other or in transverse or aligned relation.

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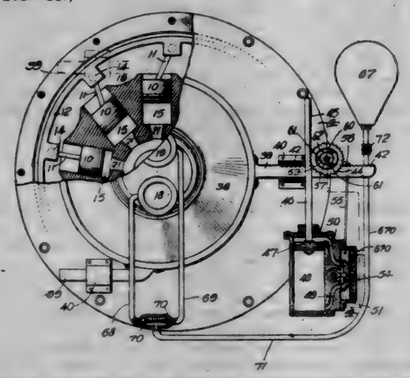
1,563,282. HYDRAULIC MOTOR, PUMP, AND THE LIKE. GEORGE CARR JESSUP, Camden, N. J. Filed Oct. 9, 1923. Serial No. 667,538. 7 Claims. (Cl. 103—38.)



7. In an apparatus of the kind described, comprising coacting pistons and cylinder members arranged in a circular series, a shiftable support for one set of members of the series, a fluid pressure device adapted to act on said support and comprising a piston and a cylinder, a valve to control the supply of fluid pressure to such cylinder, a manually operated valve shifting means for opening communication with said cylinder and a source of supply of fluid pressure, and automatic valve shifting means to cut off such supply.

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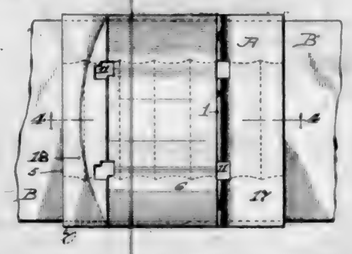
1,563,283. TIE PLATE. JULIUS KRUTTSCHNITT, New Canaan, Conn., and EDWIN H. BELL, Chicago, Ill.; E. Minna Kruttschnitt executrix of said Julius Kruttschnitt, deceased. Filed June 1, 1925. Serial No. 34,028. 9 Claims. (Cl. 238—298.)



2. A tie plate having tie embracing, side flanges depending from its bottom and extending lengthwise of the plate, the bottom of the tie plate adjacent said flanges being flat, and a configurated surface intermediate said spaced-apart flat portions and extending above the horizontal plane thereof.

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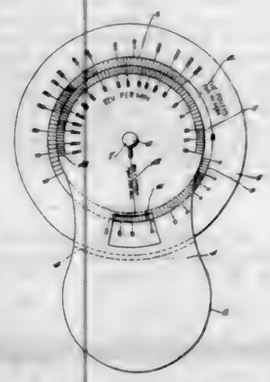
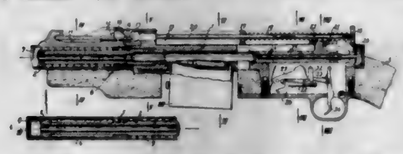
1,563,284. COUNTER FOR PULLEYS. GERHARD LAURIN, Evanston, Ill. Filed Feb. 8, 1924. Serial No. 691,452. 1 Claim. (Cl. 235—84.)



A counter for pulleys including an elongated body having spaced arcuate end portions, one of said end portions forming a handle and the other end portion being split longitudinally to form a receiving recess, a counter disc in said recess, a pin traversing the center of the arcuate ends and the disc for rotatably mounting the disc, one of said end portions having a series of graduations extending inwardly from its edge, graduations on the disc cooperating with the graduations on the arcuate end portions, a second set of graduations on the disc opposite the first set of said body having a side opening to display the second set of graduations on the disc at a point centrally of the body.



1,563,285. FIREARM. JOSEF NETSCH, Pruske, Czechoslovakia. Filed May 21, 1923. Serial No. 640,570. 5 Claims. (Cl. 42—8.)



1. In a fire arm, the combination with a gun barrel and a breech bolt movable into and out of closing position, of a sleeve surrounding the barrel and movable forwardly under the action of the gases of combustion, spring means for returning the sleeve to a normal position of rest, spring means acting upon the breech bolt to move it from an open to closed position, a coupling between the said sleeve and the breech bolt, including a part movable with the former, a part movable with the latter, said two parts including means operative at the end of the forward motion of the sleeve to interconnect the said two parts, and means operative near the end of the return motion of the sleeve to make the means interconnecting the said two parts ineffective.

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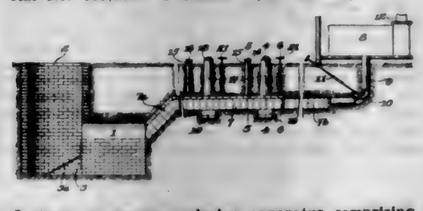
1,563,286. VAPOR APPARATUS. WALTER N. NORWOOD, Los Angeles, Calif. Filed May 14, 1923. Serial No. 639,032. 4 Claims. (Cl. 167—8.)



2. A gas or vapor producing apparatus comprising a plurality of generators, a receptacle for each generator, underground flues connecting each generator and receptacle, said flues being porous for communication with the surrounding soil to extract moisture and medicinal substances therefrom and means whereby the flow of gas or vapor through the flues may be controlled to direct said gas or vapor from either of the generators to either of the receptacles.

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1,563,287. AUTOMOBILE TOP. AUGUST H. PAPE, Kentfield, Calif. Filed Feb. 16, 1921. Serial No. 445,326. 2 Claims. (Cl. 296—47.)

1. In combination with an automobile body and top therefor, a stationary window track mounted upon each side of the top and extending the full length thereof, other stationary window tracks to one side of the first-named track, a front window slidable upon the first-named track and movable thereon from one end thereof to the other end thereof, a rear window and means of connection between the rear window and said tracks including a stationary switch member for causing said rear window to be moved onto the said second named tracks when moved from extended to out-of-the way position.

2. In combination with an automobile body and a top therefor, a track support mounted upon said top, tracks carried by said support, windows, bars extending along the upper side of said windows, means of sliding connection between said bars and windows, shoes carried by said bars and being slidable upon said tracks, and means carried upon the upper edges of the body for engagement with the under side of the windows so as to lift said windows upwardly when the latter are moved into extended positions.

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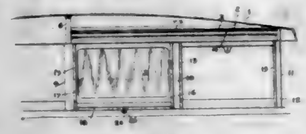
1,563,288. AUTOMOBILE SIDE CURTAIN. AUGUST H. PAPE, Kentfield, Calif. Filed May 17, 1921. Serial No. 470,252. 1 Claim. (Cl. 296—140.)



The combination with a top and body of an automobile, a flexible side curtain, guide tubes associated with the top and body and having longitudinal slots therein of less width than the inside diameter of the tubes, said tubes being curved upwardly and inwardly at their upper ends to follow the usual curvature of the top, flexible strips secured to and extending along opposite edges of the curtain and slidably mounted within said slots, said strips having spaced perforations therein, helically coiled flexible members slidable in the tubes and having convolutions thereof extended thru the perforations, and a plurality of rods mounted in the tubes which rods extend freely through said coiled flexible members and are curved to correspond to the curve of said tubes.

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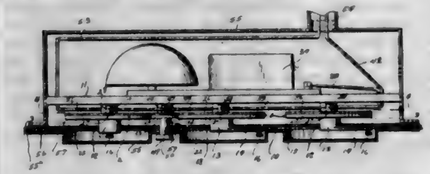
1,563,289. IGNITION-CIRCUIT SWITCH. RUSSELL H. PARKER, Benton County, Oreg. Filed Nov. 5, 1923. Serial No. 672,922. 3 Claims. (Cl. 200—43.)



1. A switch including an insulating base, a pair of series of spaced electrically connected contacts carried by the base, a third series of contacts carried by the base, alternate contacts of the third series being electrically connected with one another, the third series of contacts and one of the first named series of contacts each having a contact thereof adapted for connection with a translating device and a plurality of rotatable insulating disks associated with the base, said disks having means whereby any of said disks in all but one position thereof completes a connection between said pair of series of electrically connected contacts, certain of said disks further including a part which in such position of the disks electrically connects unconnected pairs of contacts of the last named series of contacts, a further disk including a part which in the last named position of the disk electrically connects the other of said pair of series of electrically connected contacts with one of the third series of contacts.

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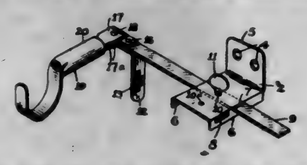
1,563,290. COMBINATION SHADE BRACKET. ARTHUR EDWIN PHIPPS, Philadelphia, Pa. Filed Aug. 26, 1922. Serial No. 584,589. 1 Claim. (Cl. 156—24.)

A combination shade bracket comprising an attaching member having a horizontally extending body portion, depending flanges along the side edges of said

body portion, said flanges provided with a plurality of pairs of aligning openings, and a carrying bar adjustable through an aligning pair of said openings and



movable from one pair of openings into the other to regulate the distance outwardly from the wall to which the bracket is attached.

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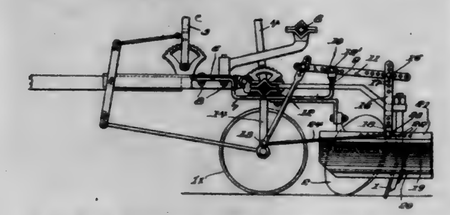
1,563,291. LISTER-CULTIVATOR SHIELD ATTACHMENT. ALFRED RASMUSSEN, Plainview, Nebr., assignor of one-half to Saburo Shindo, Grand Island, Nebr. Filed Oct. 29, 1924. Serial No. 746,590. 4 Claims. (Cl. 97—188.)



1. A lister cultivator having a frame and lister disks and swinging portions carrying the disks and also having means for adjusting and adjustably fixing said swinging portions, in combination with a support connected to said frame, a longitudinal vertically swinging lever fulcrumed at an intermediate point of its length on said support, means connected to and extending between the said swinging portions and the forward arm of the said lever, a hanger connected to the rear arm of said lever, a shield connected to and suspended by said hanger, and means extending between and connecting the connected shield and hanger and the said swinging portions of the cultivator.

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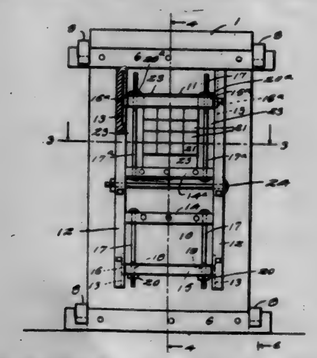
1,563,292. CONCRETE-MONUMENT MOLD. BURBON D. RAWLS, Shreveport, La. Filed June 2, 1925. Serial No. 34,452. 2 Claims. (Cl. 25—123.)



1. A mold having one of the walls thereof provided with a type receiving opening, guides fixed to said wall, a bar fixed to said wall between said guides, a second bar slidably arranged in said guides, and adjusting means carried by said bars, said guides, bars, and means constituting a type clamp.

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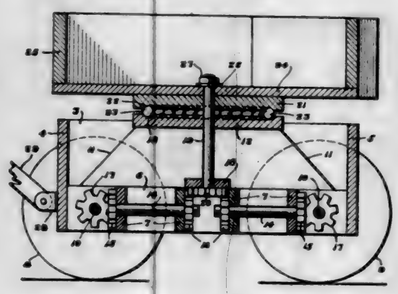
1,563,293. TOY. BIAGGIO SANTANGELO, Norristown, Pa. Filed Apr. 12, 1922. Serial No. 551,771. 1 Claim. (Cl. 46—48.)



A wheeled toy comprising a running gear structure including a rectangular frame and a pair of longitudinally extending parallel braces spaced equi-distant from the center of the frames, a plurality of cross braces connecting said longitudinally extending braces, driving shafts carried by said cross braces, driving axles carried by said frame and said longitudinally extending braces and having geared connection with said driving shafts, a vehicle shaft having geared connection with said driving shafts, a platform supported from said frame, a turntable, said platform and turntable provided with ball races, and bearing balls in said races to permit free rotation of the turntable upon the platform.

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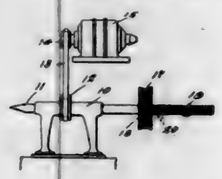
1,563,294. FACING APPARATUS. ALVIN SATTEL, Johnstown, Pa. Filed Feb. 27, 1922. Serial No. 539,601. Renewed Sept. 4, 1925. 1 Claim. (Cl. 90—18.)



A facing apparatus of the character described comprising a lathe including a power driven spindle having one end threaded, in combination with a disk having a central threaded hole adapted to be screwed upon said threaded end of the spindle with the spindle projecting beyond the disk, the disk having a periphery formed as a file, and an elongated facing member likewise having a file formation and provided in one end with a threaded socket adapted to be engaged upon said threaded end of the spindle subsequent to the engagement of the disk thereon.

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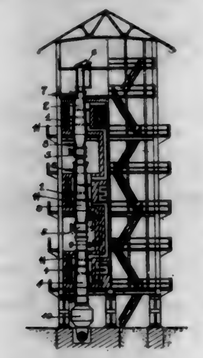
1,563,295. MANUFACTURING DECOLORIZING CARBON. JOHAN NICOLAAS ADOLF SAUER, Amsterdam, Netherlands. Filed Feb. 27, 1920. Serial No. 361,742. 7 Claims. (Cl. 252—3.)

1. The process for the manufacture of decolorizing carbon, which consists in subjecting carbonaceous material in a practically continuous manner to at least two successive operations one of which includes a carbonizing stage during which the material is treated, under the application of heat, with activating gases, such ac-





tivating gases being introduced and withdrawn continuously, and the treatment being continued without interruption until completed.

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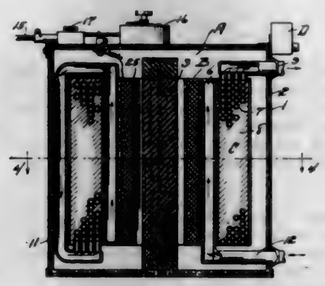
1,563,296. WATER HEATER. DONALD S. SCARBOROUGH, St. Louis, Mo. Filed Feb. 27, 1925. Serial No. 12,090. 3 Claims. (Cl. 219—47.)



3. A heater of the class described comprising a casing, a laminated core therein, a primary coil carried by the core, a secondary coil composed of a plurality of coils of tubing embedded in metal having resisting qualities to the passage of a current, a chamber placed between the primary and secondary coils, means for connecting one end of the chamber to a source of supply, means for connecting the other end of the chamber to the lower ends of the tubing, a delivery pipe connected with the other ends of the tubing, a valve in said pipe, conductors connecting the primary coil with a source of alternating current, a switch in the circuit, means for opening the switch when the valve is opened and for closing the switch when the valve is closed and a rheostat and fuses placed in the circuit.

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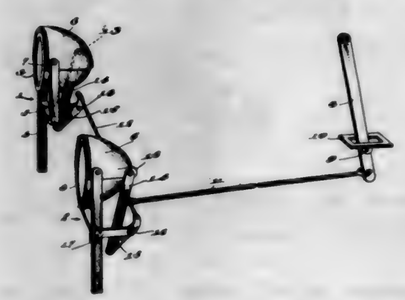
1,563,297. MECHANICAL GLARE DARKENER FOR AUTOMOBILE HEADLIGHTS. THEODORE J. SHONLEY, Mount Ayr, Iowa. Filed Jan. 17, 1925. Serial No. 3,150. 2 Claims. (Cl. 246—45.)

1. A glare darkener for headlights comprising a bracket having bar portions extending upwardly at the sides of a headlight, a shutter rockably mounted upon said bar portions and normally partially fitting around the headlight, an extension carried by the bracket, articulated means for moving the shutter including a crank pivoted upon the extension and a link reaching to the



shutter, means including an ear on the shutter with which said link is connected and by which the shutter is rocked upon said bar portions, and actuating means for said articulated connection including a lever and a rod.

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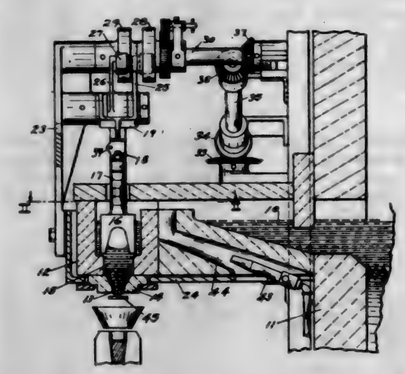
1,563,298. APPARATUS FOR FEEDING MOLTEN GLASS. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed May 17, 1923. Serial No. 639,607. 11 Claims. (Cl. 49—55.)



2. A glass feeder comprising, in combination, a receptacle to contain molten glass and provided with a discharge orifice, and means controlling the discharge of glass through said orifice comprising mechanical members within the glass adjacent to the orifice, and automatic means for periodically moving said members toward and from each other in a direction transverse to the direction of movement of glass through the orifice, said members when moved toward each other serving to substantially cut off the flow toward said orifice.

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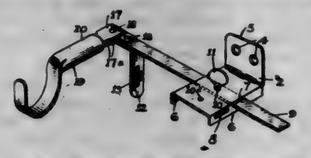
1,563,299. RECORD HOLDER FOR TALKING MACHINES. FREDERICK C. JONES, Camden, N. J., assignor to Victor Talking Machine Company, a Corporation of New Jersey. Filed Dec. 1, 1923. Serial No. 677,947. 11 Claims. (Cl. 45—52.)

1. The combination with a portable talking machine comprising a casing, a turntable and a lid for said

body portion, said flanges provided with a plurality of pairs of aligning openings, and a carrying bar adjustable through an aligning pair of said openings and



movable from one pair of openings into the other to regulate the distance outwardly from the wall to which the bracket is attached.

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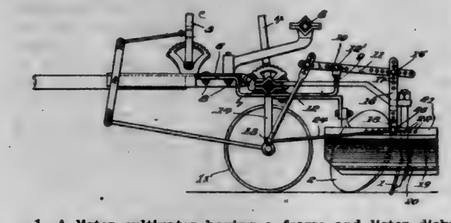
1,563,291. LISTER-CULTIVATOR SHIELD ATTACHMENT. ALFRED RASMUSSEN, Plainview, Nebr., assignor of one-half to Saburo Shindo, Grand Island, Nebr. Filed Oct. 29, 1924. Serial No. 746,590. 4 Claims. (Cl. 97—188.)



1. A lister cultivator having a frame and lister disks and swinging portions carrying the disks and also having means for adjusting and adjustably fixing said swinging portions, in combination with a support connected to said frame, a longitudinal vertically swinging lever fulcrumed at an intermediate point of its length on said support, means connected to and extending between the said swinging portions and the forward arm of the said lever, a hanger connected to the rear arm of said lever, a shield connected to and suspended by said hanger, and means extending between and connecting the connected shield and hanger and the said swinging portions of the cultivator.

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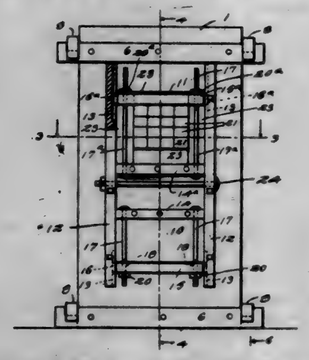
1,563,292. CONCRETE-MONUMENT MOLD. BURBON D. RAWLS, Shreveport, La. Filed June 2, 1925. Serial No. 34,452. 2 Claims. (Cl. 25—123.)



1. A mold having one of the walls thereof provided with a type receiving opening, guides fixed to said wall, a bar fixed to said wall between said guides, a second bar slidably arranged in said guides, and adjusting means carried by said bars, said guides, bars, and means constituting a type clamp.

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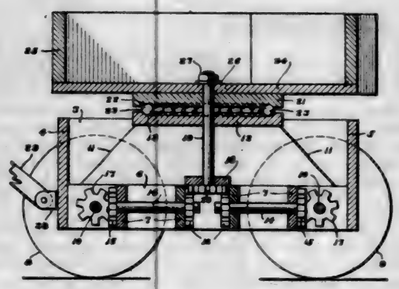
1,563,293. TOY. BIAGGIO SANTANGELO, Norristown, Pa. Filed Apr. 12, 1922. Serial No. 551,771. 1 Claim. (Cl. 46—48.)



A wheeled toy comprising a running gear structure including a rectangular frame and a pair of longitudinally extending parallel braces spaced equi-distant from the center of the frames, a plurality of cross braces connecting said longitudinally extending braces, driving shafts carried by said cross braces, driving axles carried by said frame and said longitudinally extending braces and having geared connection with said driving shafts, a vehicle shaft having geared connection with said driving shafts, a platform supported from said frame, a turntable, said platform and turntable provided with ball races, and bearing balls in said races to permit free rotation of the turntable upon the platform.

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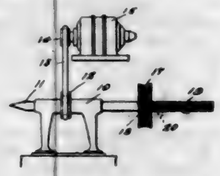
1,563,294. FACING APPARATUS. ALVIN SATTEL, Johnstown, Pa. Filed Feb. 27, 1922, Serial No. 539,601. Renewed Sept. 4, 1925. 1 Claim. (Cl. 90—18.)



A facing apparatus of the character described comprising a lathe including a power driven spindle having one end threaded, in combination with a disk having a central threaded hole adapted to be screwed upon said threaded end of the spindle with the spindle projecting beyond the disk, the disk having a periphery formed as a file, and an elongated facing member likewise having a file formation and provided in one end with a threaded socket adapted to be engaged upon said threaded end of the spindle subsequent to the engagement of the disk thereon.

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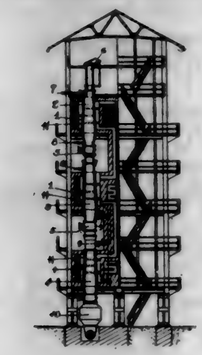
1,563,295. MANUFACTURING DECOLORIZING CARBON. JOHAN NICOLAAS ADOLF SAUER, Amsterdam, Netherlands. Filed Feb. 27, 1920. Serial No. 361,742. 7 Claims. (Cl. 252—3.)

1. The process for the manufacture of decolorizing carbon, which consists in subjecting carbonaceous material in a practically continuous manner to at least two successive operations one of which includes a carbonising stage during which the material is treated, under the application of heat, with activating gases, such ac-





tivating gases being introduced and withdrawn continuously, and the treatment being continued without interruption until completed.

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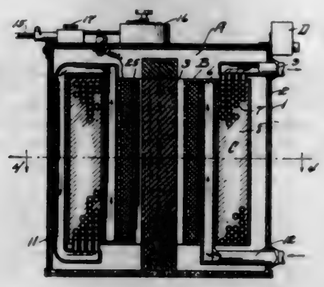
1,563,296. WATER HEATER. DONALD S. SCARBOROUGH, St. Louis, Mo. Filed Feb. 27, 1925. Serial No. 12,090. 3 Claims. (Cl. 219—47.)



3. A heater of the class described comprising a casing, a laminated core therein, a primary coil carried by the core, a secondary coil composed of a plurality of coils of tubing embedded in metal having resisting qualities to the passage of a current, a chamber placed between the primary and secondary coils, means for connecting one end of the chamber to a source of supply, means for connecting the other end of the chamber to the lower ends of the tubing, a delivery pipe connected with the other ends of the tubing, a valve in said pipe, conductors connecting the primary coil with a source of alternating current, a switch in the circuit, means for opening the switch when the valve is opened and for closing the switch when the valve is closed and a rheostat and fuses placed in the circuit.

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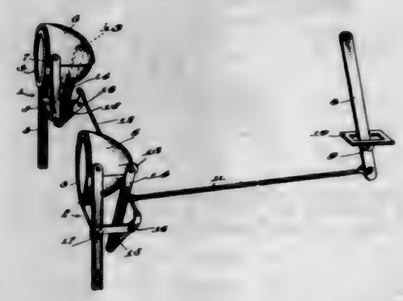

shutter, means including an ear on the shutter with which said link is connected and by which the shutter is rocked upon said bar portions, and actuating means for said articulated connection including a lever and a rod.

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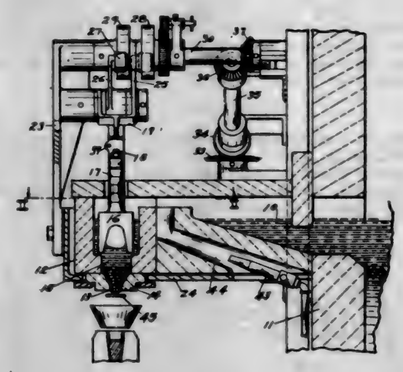

2. A glass feeder comprising, in combination, a receptacle to contain molten glass and provided with a discharge orifice, and means controlling the discharge of glass through said orifice comprising mechanical members within the glass adjacent to the orifice, and automatic means for periodically moving said members toward and from each other in a direction transverse to the direction of movement of glass through the orifice, said members when moved toward each other serving to substantially cut off the flow toward said orifice.

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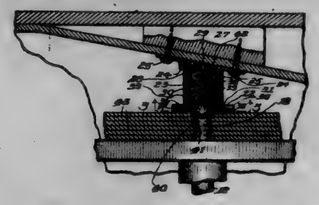
1,563,299. RECORD HOLDER FOR TALKING MACHINES. FREDERICK C. JONES, Camden, N. J., assignor to Victor Talking Machine Company, a Corporation of New Jersey. Filed Dec. 1, 1923. Serial No. 677,947. 11 Claims. (Cl. 45—52.)

1. The combination with a portable talking machine comprising a casing, a turntable and a lid for said

casing, of a spindle extending upwardly from said turntable a distance equal to the thickness of several disc



records, and means secured to the inside of the lid to hold a stack of disc records on said turntable and spindle when said lid is closed.

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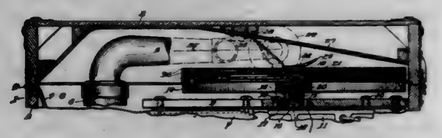
1,563,300. RECORD HOLDER FOR TALKING MACHINES. SELDON T. WILLIAMS, Woodbury, N. J., assignor to Victor Talking Machine Company, a Corporation of New Jersey. Filed Dec. 1, 1923. Serial No. 677,948. 8 Claims. (Cl. 45—52.)



1. The combination with a portable talking machine comprising a casing, a turntable, a lid or cover secured to said casing, and a turntable spindle, of a flat spring secured to said lid and having a free end offset therefrom and adapted to press against the top record of a limited number of records stacked on said turntable and spindle when said lid is closed.

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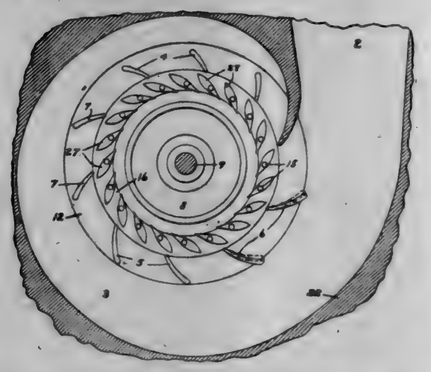
1,563,301. HYDRAULIC TURBINE. FRANZ SCHMIDT, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Aug. 8, 1921. Serial No. 490,473. 25 Claims. (Cl. 253—122.)



1. In a hydraulic machine, a rotor having an axis, a speed ring comprising an annular series of guide vanes formed to conduct fluid toward said axis from all sides, at least one of said vanes having a characteristic which is different from corresponding characteristics of other of said vanes, and means forming a spiral conduit communicating with said vanes and completely surrounding said axis.

1,563,302. RIBBON-BRACELET CLASP. CHARLES R. TOST, Centerdale, R. I., assignor to The Hadley Company, Providence, R. I. Filed Oct. 9, 1924. Serial No. 742,520. 1 Claim. (Cl. 24—213.)

In a clasp, a female member having a rectangular opening, and a male member composed of a plate formed with a pair of spaced openings disposed on opposite sides of the center of the plate and each spaced at each end from the adjacent ends of the plate to provide a central bar, the bar being offset to lie in a plane in front of that of the plate, and a rectangular head integral with the plate and located in spaced relation to the sides and ends of the bar, and having each of its four corners slitted, the slits terminating at the junctural points of the head and bar so as to leave the latter of solid formation, each of the head sides being of V-shape with the apices of the V's located centrally between the top and bottom of the head.

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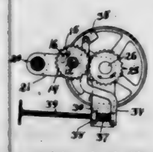
1,563,303. IRONING MACHINE. LEWIS M. WILLIAMS, Fort Wayne, Ind., assignor to The Utensils Company, a Corporation of Indiana. Filed June 16, 1923. Serial No. 645,716. 6 Claims. (Cl. 68—9.)



6. In an ironing machine including a smoothing member and driving gear, a swingable frame; a feed roller mounted in the frame and driven by said driving gear; a drag mechanism bearing against the feed roller and actuating the frame; and means for varying the pressure of the drag mechanism against the roller.

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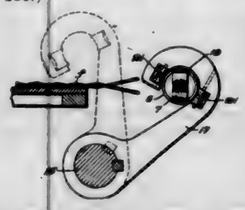
1,563,304. LOOM. GEORGE B. AMBLER, Leominster, Mass., assignor to F. A. Whitney Carriage Company, Leominster, Mass., a Corporation of Massachusetts. Filed July 10, 1922. Serial No. 574,029. 10 Claims. (Cl. 139—130.)



1. In a loom in combination with a substantially rigid needle supported at one end and which is protracted through the shed to lay the filling, means between the loom sides and between the selvages of the work to support the protracted needle and check vibration thereof.

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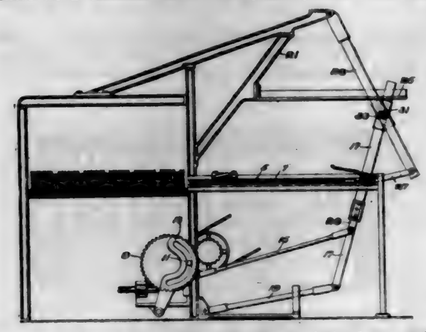
1,563,305. PICKER MOTION FOR LOOMS. GEORGE B. AMBLER, Leominster, Mass., assignor to F. A. Whitney Carriage Company, Leominster, Mass., a Corporation of Massachusetts. Filed Nov. 1, 1922. Serial No. 598,287. 4 Claims. (Cl. 139—130.)

1. A loom having a needle adapted to be projected and retracted through the shed to lay the filling and



means for driving the same comprising an upstanding rocking lever pivotally mounted below and extending past the horizontal plane of the needle, means for oscillating said link, a depending lever swinging about a center at a distance above said plane greater than the



distance of said plane above the pivot of the lever, said lever being connected to a point between the ends of the link and the free end of said link being connected to the needle, the whole constituting a needle-operating linkage operating substantially in a single plane.

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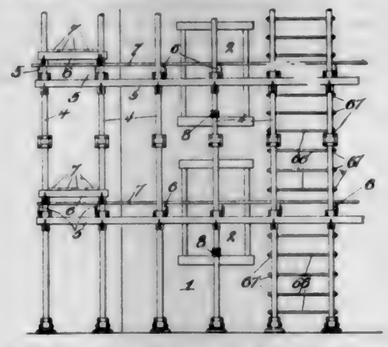
1,563,306. KNOCKDOWN SCAFFOLD. FOKKO H. G. BRANDT, Kansas City, Kans., and GEORGE K. KRELL, Kansas City, Mo. Filed Nov. 8, 1920. Serial No. 422,747. 4 Claims. (Cl. 304—2.)



3. In a knock-down scaffold a base provided with an external groove and upwardly-opening socket, a standard fitting in said socket and resting upon said base and provided with an externally reduced portion above the base, and a clamp consisting of two parts secured together and upon the base, and lower part of the standard, the upper halves of said parts fitting snugly in the reduced portion of the standard and the lower halves of said parts having ribs fitting snugly in the groove of said base.

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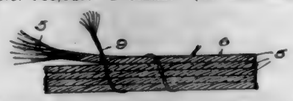
1,563,307. TUFTING WICKING OR ROVING YARN. LEE WASHINGTON FRANK, Chicago, Ill., assignor to Harry I. Klawans, Chicago, Ill. Filed Oct. 20, 1924. Serial No. 744,649. 1 Claim. (Cl. 117—52.)



A tufting-wicking comprising a bundle of roves, the respective roves of which lie parallel with the axis of the bundle, convoluted around which bundle is a yarn twisted in a contrary direction to the direction of twisting of the respective roves of said bundle.

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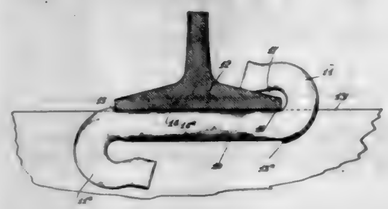
1,563,308. RAIL ANCHOR. JULIUS H. GOOS, St. Paul, Minn. Filed Feb. 7, 1925. Serial No. 7,609. 8 Claims. (Cl. 238—330.)



1. A rail anchor comprising a body portion formed with a spring jaw adapted to grip one flange of a rail base and provided at the other end with a shoulder adapted to be moved into engagement with the opposite edge of the rail base by driving said jaw transversely of the rail, said shoulder end of the anchor being provided with a portion which extends downwardly from the body portion and is adapted to bear against the cross tie.

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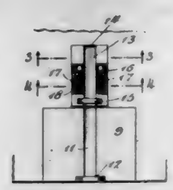
1,563,309. TAPE-FEEDING ATTACHMENT FOR SEWING MACHINES. ROBERT W. HARDIE, Fanwood, N. J., assignor to Louis M. Rabinowitz, New York, N. Y. Filed July 13, 1925. Serial No. 43,309. 2 Claims. (Cl. 112—136.)



1. In a two needle sewing machine having a feed plate provided with serrated surfaces having apertures formed therein, and feed dogs engaging said apertures, means for guiding the lateral margins of a fastener bearing tape over said serrated surfaces and feed dogs, consisting of an unobstructed uncovered groove extending longitudinally of said feed plate, intermediate said serrated surfaces, of sufficient depth to permit the unobstructed passage therethrough of fasteners secured to said tape, and having side walls adapted to guide said fasteners through said groove, and a slidable front plate provided with a groove corresponding with the groove of said feed plate and in line therewith, said front plate provided with bearing surfaces to support the lateral margins of a tape on opposite sides of said groove in the plane of, and in line with, the serrated surfaces of the feed plate.

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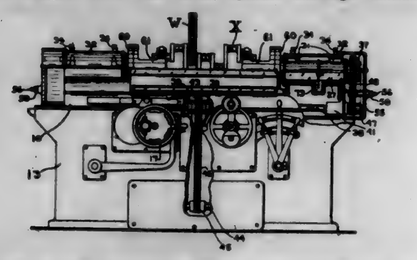
1,563,310. CYLINDRICAL-GRINDING MACHINE. CHARLES H. NORTON, Plainville, Conn., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 29, 1921. Serial No. 441,047. Renewed Oct. 16, 1924. 25 Claims. (Cl. 51—108.)

1. A double head grinding machine comprising a base having parallel ways thereon, a slidable work table

having ways mating with the base ways, work head members integral with said table, spindle bearings thereon



having bearing surfaces in precise axial alignment, and work-supporting spindles mounted on said surfaces and aligned thereby.

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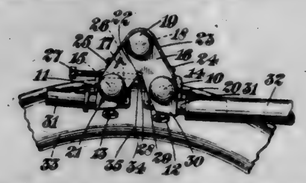
1,563,311. TOOL FOR MANIPULATING SPLIT TIRE-RETAINING RIMS OF VEHICLE WHEELS. WALTER HENRY WELCH, Bristol, England. Filed Feb. 13, 1925. Serial No. 9,004. 5 Claims. (Cl. 157—1.)



1. In a tool for manipulating split rims of vehicle wheels, the combination of two rim-gripping devices adapted to be secured to the rim, one on each side of the split therein, a projection on each of said devices extending away from the plane of the rim, two links pivotally engaged end to end with one another and at their other ends each rotatably engaged with one of said projections, and adjustable means preventing relative rotation between the links in one direction.

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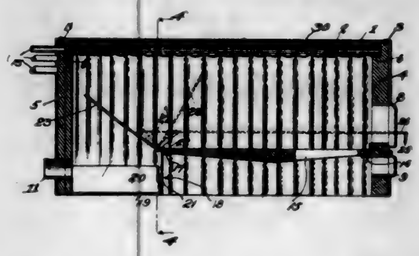
1,563,312. TOBACCO-DRYING APPARATUS. JOHN BIRT MUSE, Cameron, N. C. Filed Jan. 25, 1924. Serial No. 688,508. 5 Claims. (Cl. 126—104.)



1. In an apparatus of the class described, the combination with an inner and an outer casing, of a grate within said inner casing, supporting means for the forward end of the grate, a support for the rear end of the grate, a damper plate positioned in the inner casing and having a pivot rod journalled in the side walls of the inner casing, said pivot rod being positioned contiguous to the support for the rear end of said grate and preventing movement of the supoprt out of engagement with the grate, a crank arm between said inner and outer casings and fixedly connected to said damper plate, and an operating rod extending beyond the outer face of said inner and outer casings and positioned also between the same and connected at its inner end to said crank arm.

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# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A. & J. Manufacturing Co., The, Binghamton, N. Y. Kitchen brushes. 205,325–6; Nov. 3; Serial Nos 213,471–2; published Aug. 25, 1925.

Abraham & Straus, New York, assignors to Abraham & Straus, Inc., Brooklyn, N. Y. Sewing machines and attachments. 48,362; renewed Dec. 26, 1925.

Advance Automobile Accessories Corp., Chicago, Ill. Radio receiving sets and parts thereof. 205,291; Nov. 3; Serial No. 215,220; published Aug. 4, 1925.

Aktiebolaget Separator, Stockholm, Sweden. Enameled hollow ware—namely, buckets, dinner carriers, pails, etc. 205,350; Nov. 3; Serial No. 216,662; published Aug. 25, 1925.

Alabama Pipe Company, Anniston, Ala. Cast-iron culvert pipe. 205,322; Nov. 3; Serial No. 216,007; published Aug. 18, 1925.

Alexis Wilttc Cutlery Co., Brooklyn, N. Y. Razors. 205,249; Nov. 3; Serial No. 216,083; published Aug. 18, 1925.

Alpha Portland Cement Company. (See German-American Portland Cement Works, assignor.)

Alvo Remedy Co. (See Silverman, Jacob.)

American Chicle Co., New York, American; Chicle Co., Long Island City, N. Y. Chewing gum. 48,239; renewed Dec. 19, 1925.

American Hammer Corporation, New York, N. Y. Hammers, sledges, mallets, hatchets, axes, etc. 205,161; Nov. 3; Serial No. 213,156; published Aug. 18, 1925.

American Molasses Company. (See Eastern Refining Co., The.)

American Oak Leather Company, The, Cincinnati, Ohio. Leather beltings. 48,809; renewed Jan. 16, 1926.

American Oak Leather Company, The, Cincinnati Ohio. Leather boots and shoes and leather therefor. 49,798; renewed Feb. 20, 1926.

Ames Shovel and Tool Company, Boston and North Easton, Mass.; Philadelphia, Cheltenham, and Beaver Falls, Pa.; Anderson and Elwood, Ind.; and St. Louis, Mo.; Ames Shovel and Tool Company, Boston, Mass. Shovels, spades, and scoops. 48,209; renewed Dec. 19, 1925.

Anaconda Copper Mining Company, New York, N. Y. Brass tubes. 205,074; Nov. 3; Serial No. 216,866; published Aug. 25, 1925.

Anderson, Anthony S. (See Clark Manufacturing Company, The.)

Angelo, Joseph, Elgin, Ill. Sirup for soft drinks. 205,288; Nov. 3; Serial No. 214,838; published Aug. 25, 1925.

Animal Trap Company of America, Lititz, Pa. Animal traps. 205,406; Nov. 3.

Armstrong Cork and Insulation Company, Pittsburgh, Pa. Cork-board insulation. 205,328; Nov. 3; Serial No. 216,008; published Aug. 18, 1925.

Atkins, E. C., & Company, Indianapolis, Ind.; New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; Minneapolis, Minn.; Portland, Oreg.; Seattle, Wash.; San Francisco, Calif.; Chicago, Ill.; and Toronto, Canada; E. C. Atkins & Company, Indianapolis, Ind. Saws. 48,370 renewed Dec. 26, 1925.

Atlantic Mills, Providence, R. I. Woolen, cotton, and woolen and cotton piece goods. 205,203; Nov. 3; Serial No. 200,601; published Aug. 18, 1925.

Atlas Leather Company, Caseyville, Ill. Hard fibrous material generally used for panels of automobiles, etc. 205,102; Nov. 3; Serial No. 199,599; published Aug. 18, 1925.

Aurora Dental Specialties Co. (See Currier, Clark P.)

Austin Bottling Works, Austin, Minn. Beverages. 205,274; Nov. 3; Serial No. 216,812; published Aug. 18, 1925.

Avery, W. & T., Limited, Birmingham, England. Weighing machines. 205,217; Nov. 3; Serial No. 208,218; published Aug. 18, 1925.

Ayer, J. C., Company, The, Lowell, Mass. Food-flavoring extracts. 205,389; Nov. 3.

Bakelite Corporation, New York, N. Y. Violin and mandolin bridges and keys, clarinets, castanets, etc. 205,096; Nov. 3; Serial No. 212,524; published Aug. 11, 1925.

Bakelite Corporation, New York, N. Y. Knife and saw handles, gears, gear-shift balls, etc. 205,129; Nov. 3; Serial No. 212,531; published Aug. 18, 1925.

Bakelite Corporation, New York, N. Y. Brush backs and handles. 205,275; Nov. 3; Serial No. 216,819; published Aug. 18, 1925.

Bakelite Corporation, New York, N. Y. Radium plaques, ozonising apparatus, X-ray screens, etc. 205,848; Nov. 3; Serial No. 216,818; published Aug. 25, 1925.

Bakers Service Bureau, Inc., New York, N. Y. Bread. 205,079; Nov. 3; Serial No. 207,288; published Aug. 25, 1925.

Bar-Trex Manufacturing Co., Inc., Birmingham, Ala. Stationery and check dispensing machines and advertising and hosiery inspection machines. 205,324; Nov. 3; Serial No. 216,009; published Aug. 18, 1925.

Bassick Company, The, Bridgeport, Conn. Vehicle wheels. 205,149; Nov. 3; Serial No. 213,761; published Aug. 11, 1925.

Bauer & Black, Chicago, Ill. First-aid packets. 205,347; Nov. 3; Serial No. 217,064; published Aug. 25, 1925.

Beaver Lumber Company, Portland, Oreg. Lumber and lumber products. 205,252; Nov. 3; Serial No. 216,136; published Aug. 18, 1925.

Bell, Dr., Medicine Co. (See Sutherland, E. E., Medicine Co., assignor.)

Berry, A. H., Shoe Company, Portland, Me. Leather boots and shoes. 49,755; renewed Feb. 13, 1926.

Bigelow Brush Company, The, Baltimore, Md. Paint and varnish brushes made from bristles. 205,278; Nov. 3; Serial No. 217,005; published Aug. 18, 1925.

Bike Web Manufacturing Company. (See Sharp & Smith, assignor.)

Birmingham Stove & Range Co., Birmingham, Ala. Gas, coal, and wood cooking stoves and ranges. 205,363; Nov. 3; Serial No. 198,097; published Jan. 6, 1925.

Blair Manufacturing Company. (See Case, Adelbert B., assignor.)

Blake, C. G., Company, Inc., The, Cincinnati, Ohio. Coal. 205,372; Nov. 3.

Blake, C. G., Company, Inc., The, Cincinnati, Ohio. Coal. 205,374; Nov. 3.

Blakesley Novelty Company, The, Bristol, Conn. Floor mops. 205,280; Nov. 3; Serial No. 217,066; published Aug. 18, 1925.

Blodgett & Orswell Co. (See Clark, John, J., & Co., assignor.)

Bond, Charles, Company, Philadelphia, Pa. Calfskins and sheepskins. 205,378; Nov. 3.

Bosstone Company, The, Boston and East Boston, Mass. Bow-played stringed musical instruments. 205,089; Nov. 3; Serial No. 214,640; published Aug. 11, 1925.

Boston Molasses Co., Boston, Mass. Molasses. 49,513; renewed Feb. 6, 1926.

Boyden, A. L., doing business as A. L. Boyden Co., Los Angeles, Calif. Honey, dried figs, and dried apricots preserved with honey. 205,376; Nov. 3.

Brand, Charles, doing business as Rosenberg & Brand, New York, N. Y. Hosiery. 205,285; Nov. 3; Serial No. 214,896; published July 28.

Brand, William, & Co., New York, N. Y. Mica plates, tapes, disks, and films. 205,345; Nov. 3; Serial No. 179,088; published Aug. 11, 1925.

Brater, John K., New York, N. Y. Preparation for the treatment of asthma. 205, 250; Nov. 3; Serial No. 216,086; published Aug. 11, 1925.

Braun, Egon, Hamburg, Ger[illegible] Brandies, liquors, punches, alcoholic essences [illegible] extracts. 205,140; Nov. 3; Serial No. 211,650 published Aug. 18, 1925.

Brookman Manufacturing Co[illegible]pany, Chicago, Ill. Washing compounds. 205,382; Nov. 3.

Brown, W. H., Son & Co. (See Ryan, Matthew W.)

Brueck, Joseph, doing business as Ola Specialty Co., New York, N. Y. Skin tonic used as a lotion. 205,204; Nov. 3; Serial No. 200,133; published Aug. 11, 1925.

Brumfield, John P., Galena, Kans. Asthma and cough remedy and white salve. 205,409; Nov. 3.

Bruno, C., & Son, Inc., New York, N. Y. Ukuleles, banjos, guitars, etc. 205,268–71; Nov. 3; Serial Nos. 216,584–6; published Aug. 18, 1925.

Brunson, Randolph, doing business as H. P. Lodnar Co., New York, N. Y. Racks to hold shoes. 205,073; Nov. 3; Serial No. 216,964; published Aug. 25, 1925.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Phonographs and parts thereof and supplies therefor. 205,099; Nov. 3; Serial No. 202,549; published Aug. 11, 1925.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard and pocket-billiard balls. 205,346; Nov. 3; Serial No. 217,068; published Aug. 25, 1925.

Buckfield Plantation. (See Kress, Claude W.)

Burnettine, Abraham, Washington, D. C. Flat silver, silver cups, dishes, vases, etc. 205,341; Nov. 3; Serial No. 196,005; published Aug. 18, 1925.

Bushnell, Alvah Company. (See Stern, Harry A., assignor.)

Butzbach, Irwin R., South Bend, Ind. Bananas. 205,067; Nov. 3; Serial No. 217,254; published Aug. 25, 1925.

California Almond Confections Company. (See Prentiss, William, jr.)

Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Condensed soups. 48,964; renewed Jan. 9, 1926.

Capewell, George J., jr., Hartford, Conn. Pin retainers. 48,031; renewed Jan. 9, 1926.

Capudine Chemical Company, Raleigh, N. C. Remedy for certain named diseases. 48,911; renewed Jan. 16, 1926.

Card, Henry, doing business as Merry Maid Products Co., Fredonia, N. Y. Grape juice. 205,267; Nov. 3; Serial No. 216,503; published Aug. 18, 1925.
Carter, William J. L., Georgetown, S. C. Liniment. 205,218; Nov. 3; Serial No. 207,614; published Aug. 11, 1925.
Case, Adelbert B., assignor to Blair Manufacturing Company, Springfield, Mass. Lawn mowers. 50,038; renewed Feb. 27, 1926.
Caspar Lubricants, Inc., New York, N. Y. Lubricating oils, greases, and compounds. 205,344; Nov. 3; Serial No. 190,575; published May 19, 1925.
Castle Foundry Company, New Castle, Pa. Motor-vehicle water pumps. 205,391; Nov. 3.
Champion Blower & Forge Company, The Lancaster, Pa. Tuyères. 49,691; renewed Feb. 13, 1926.
Chandler and Rudd Company, The, Cleveland, Ohio, assignor to Ucanco Candy Co., Davenport, Iowa. Candy 48,599; renewed Jan. 2, 1926.
Chandler and Rudd Company, The, Cleveland, Ohio. Candy. 48,701; renewed Jan. 9, 1926.
Chattanooga Paint Co., Chattanooga, Tenn. Mineral paint. 49,684; renewed Feb. 13, 1926.
Chicago White Lead & Oil Co., The, Chicago, Ill. Mixed paints. 205,412; Nov. 3.
Chivers Book Binding Co., Inc., Brooklyn, N. Y. Rebound books. 205,420; Nov. 3.
Clark, John J., & Co., assignor to Blodgett & Orswell Co., Pawtucket, R. I. Spool cotton. 48,622; renewed Jan. 9, 1926.
Clark Manufacturing Company, The; Anthony S. Anderson, doing business as Anderson Garter Company, Boston, Mass., successor. Supporters for hose, skirts, etc. 44,522; renewed July 11, 1925.
Cloverdale Company, The, Cambridge, Mass. Butter. 205,298; Nov. 3; Serial No. 216,257; published Aug. 18, 1925.
Cohen, Morris P., doing business as M. P. Cohen Co., New York, N. Y. Cravats and neckties. 205,185; Nov. 3; Serial No. 214,999; published Aug. 18, 1925.
Colombo & Guenin, Fabrication de la Montre Colgor (Colombo & Guenin, Colgor Watch Co.), Bienne, Switzerland. Watches and parts of watches. 205,395; Nov. 3.
Colorado Milling & Elevator Co., The. (See Hungarian Milling & Elevator Company, The.)
Comet Electric Co., Indianapolis, Ind. Machines for distributing powder insecticides. 205,130; Nov. 3; Serial No. 212,174; published Aug. 18, 1925.
Conklin, Horace E., doing business as E. W. Conklin & Son, Binghamton, N. Y. Grass seed. 49,789; renewed Feb. 13, 1926.
Conn, Robert, Dunedin, New Zealand. Medicinal remedies for liver ailments. 205,138; Nov. 3; Serial No. 211,834; published Aug. 11, 1925.
Cook's, Adam, Sons, assignor to Adam Cooks Sons, Inc., New York, N. Y. Lubricating grease. 49,636; renewed Feb. 13, 1926.
Cooper, Phiney E., Minneapolis, Minn., assignor to Cooper Cordage Company, Chicago, Ill. Twine for binding grain. 48,195; renewed Dec. 19, 1925.
Co-Operative Wholesale Society Limited, Manchester, England. Woolen piece goods. 205,226; Nov. 3; Serial No. 205,474; published Aug. 18, 1925.
Corona Typewriter Company, Inc., Groton, N. Y. Adding and listing machines. 205,066; Nov. 3; Serial No. 217,393; published Aug. 25, 1925.
Corticelli Silk Company, The, Florence, Mass., and New York, N. Y. Silk fabrics in the piece. 205,388; Nov. 3.
Craig, W., Canning Company, Ogden, Utah. Canned fruits. 205,279; Nov. 3; Serial No. 217,011; published Aug. 18, 1925.
Cream Store, Inc., Portland, Oreg. Candies. 205,370; Nov. 3.
Crescent Oil Company, Baltimore, Md. Lubricating oil. 205,170; Nov. 3; Serial No. 214,650; published Aug. 18, 1925.
Cudahy Brothers Co., Cudahy, Wis. Shoulders, backs, hams, and bacon. 48,274; renewed Dec. 19, 1925.
Currier, Clark P., doing business as Aurora Dental Specialties Co., Aurora, Ill. Cutting materials and polishing powder. 205,144; Nov. 3; Serial No. 214,238; published Aug. 18, 1925.
Curvfit Razor Company, Inc., New York, N. Y. Razors. 205,305; Nov. 3; Serial No. 215,553; published Aug. 18, 1925.
Cutler-Lobingier Packing Company, Ontario, Calif. Canned fruits and vegetables, also apricot jam. 205,167; No. 3; Serial No. 214,715; published Aug. 18, 1925.
Cutler-Lobingier Packing Company, Ontario, Calif. Canned fruits. 205,360; Nov. 3; Serial No. 214,717; published Aug. 25, 1925.
Cutter Electrical and Manufacturing Company, The, Philadelphia, Pa. Time-limit mechanisms and automatic circuit breakers. 205,289; Nov. 3; Serial No. 214,856; published Aug. 4, 1925.
Davega, Inc., New York, N. Y. Golf balls. 205,306; Nov. 3; Serial No. 215,555; published Aug. 18, 1925.
Daven-Radio Corporation, Newark, N. J. Combined grid leak and grid condenser. 205,297; Nov. 3; Serial No. 215,895; published Aug. 4, 1925.
Davis Bros. Cheese Co., Plymouth, Wis. Cheese. 205,082; Nov. 3; Serial No. 216,326; published Aug. 18, 1925.
Day, Geo. W., Wahtoke, Calif. Fancy table grapes. 205,424–5; Nov. 3.
De Jon Electric Corporation, Poughkeepsie, N. Y. Electric apparatus, machines, and supplies. 205,403; Nov. 3.
De Nicola & Valenti, New York, N. Y. Candle holders. 205,230; Nov. 3; Serial No. 201,289; published Aug. 11, 1925.
Deuber Watch Case Mfg. Co., The, assignor to The Deuber-Hampden Watch Company, Canton, Ohio. Watchcases. 45,256; renewed Aug. 8, 1926.
De Witt, E. C., & Co. (See Pineule Medicine Co., assignor.)
Dictaphone Corporation, Bridgeport, Conn. Record-resurfacing and record-shaving machines. 205,195; Nov. 3; Serial No. 215,234; published Aug. 18, 1925.
Diehl Manufacturing Company, Elizabethport, N. J. Certain named electric machines. 49,433; renewed Feb. 6, 1926.
Dimock Orchard Seed Potato Corporation, The, Wells River, Vt. Apples and potatoes. 205,358; Nov. 3; Serial No. 215,621; published Aug. 25, 1925.
Dorr Company, The, New York, N. Y. Apparatus for the treatment of solids suspended in liquids. 205,320; Nov. 3; Serial No. 215,970; published Aug. 18, 1925.
Dougherty, A., New York, N. Y. Playing cards. 49,426; renewed Feb. 6, 1926.
Dyer Company, The, Cambridge, Mass. Pistons. 205,427; Nov. 3.
Eastern Laboratories, Inc., New York, N. Y. Violet-ray apparatus. 205,242–3; Nov. 3; Serial Nos. 216,029–80; published Aug. 18, 1925.
Eastern Refining Co., The; American Molasses Company, New York, N. Y., successor. Molasses. 49,918; renewed Feb. 20, 1926.
Eastern States Farmers' Exchange, Springfield, Mass. Mixed feed for cattle. 205,415; Nov. 3.
Electric City Mattress Works, Inc., Schenectady, N. Y. Mattresses. 205,286; Nov. 3; Serial No. 214,592; published Aug. 18, 1925.
Electro Bleaching Gas Company, New York, N. Y. Liquid chlorine. 205,193–4; Nov. 3; Serial Nos. 215,201–2; published Aug. 11, 1925.
Electro Silicon Co., The, New York, N. Y. Preparation for cleaning and polishing metals and glass. 49,035; renewed Jan. 23, 1926.
Elgin American Manufacturing Co., Elgin, Ill. Smoking sets. 205,407; Nov. 3.
Elin and Golub, Chicago, Ill., and Albion, Ind. Overalls, coats, pants, and combination suits. 205,202; Nov. 3; Serial No. 201,026; published Aug. 18, 1925.
Elizabeth Mill Co., Providence; Elizabeth Mill Co., Hills Grove, R. I. Thread yarn. 49,471; renewed Feb. 6, 1926.
Elmore Company, The, also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 205,098; Nov. 3; Serial No. 212,071; published Aug. 25, 1925.
Elmore Company, The, also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 205,131; Nov. 3; Serial No. 212,075; published Aug. 18, 1925.
Elmore Company, The, also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 205,132–3; Nov. 3; Serial Nos. 212,072–3; published Aug. 18, 1925.
Elmore Company, The, also doing business as Elmore Thread Company, Spindale, N. C. Thread. 205,134; Nov. 3; Serial No. 212,070; published Aug. 18, 1925.
Empire Milling Company, Minneapolis, Minn. Wheat flour. 205,075; Nov. 3; Serial No. 216,264; published Aug. 25, 1925.
Eppenstein, Irving B., doing business as Kedmont Manufacturing Co., Not Inc., Elgin, assignor to A. F. Van Wolf, Chicago, Ill. Aerial masts. 205,295; Nov. 3; Serial No. 215,684; published Aug. 4, 1925.
Ernst, Milton L., Inc., New York, N. Y. Finger rings, bracelets, bar pins, etc. 205,086; Nov. 3; Serial No. 215,852; published Aug. 18, 1925.
Everett Packing Co., Everett, Wash. Canned berries. 205,186; Nov. 3; Serial No. 215,061; published Aug. 18, 1925.
Farber Brothers, New York, N. Y. Silver-plated hollow ware. 205,093; Nov. 3; Serial No. 213,703; published Aug. 11, 1925.
Farwell Laboratories, Los Angeles, Calif. Antiseptic and deodorizing emollient for ailing feet. 205,187; Nov. 3; Serial No. 215,062; published Aug. 4, 1925.
Felch, Harry F., Melrose, Mass. Radio receiving sets. 205,332; Nov. 3; Serial No. 212,130; published Aug. 11, 1925.
Fenwick-Reddaway Manufacturing Company, Newark, N. J. Linen fire hose. 205,232; Nov. 3; Serial No. 211,160; published Aug. 18, 1925.
Fidalgo Island Packing Company, Seattle, Wash. Canned salmon. 205,162; Nov. 3; Serial No. 214,954; published Aug. 18, 1925.
Finch-Walker Manufacturing Co., Kenton, Tenn. Repair kits for articles made of rubber or rubberized fabrics. 205,142; Nov. 3; Serial No. 214,816; published Aug. 4, 1925.
Fischer, Paul E., doing business as Fischer Products Company, Milwaukee, Wis. Beer flavoring. 205,357; Nov. 3; Serial No. 215,625; published Aug. 25, 1925.
Flegym Pharmacal Company. (See Nigro, Mike A.)



Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Coffee. 205,071; Nov. 3; Serial No. 217,088; published Aug. 25, 1925.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Coffee. 205,072; Nov. 3; Serial No. 217,085; published Aug. 25, 1925.
Garlock Packing Company, The, Palmyra, N. Y. Packing. 48,356; renewed Dec. 26, 1925.
Garod Corporation, Newark, N. J. Radio receiving, detecting, and transmitting apparatus and parts thereof. 205,334; Nov. 3; Serial No. 209,571; published Aug. 11, 1925.
Gate City Blow Pipe Company, Atlanta, Ga. Blowpipe systems and dust collectors. 205,418; Nov. 3.
General Instrument Corporation, New York, N. Y. Electron-tube sockets, condensers, and inductance coils. 205,385; Nov. 3.
General Seltzer Mfg. Co. (See Julius, Barnet.)
German-American Portland Cement Works, La Salle, Ill., assignor to Alpha Portland Cement Company, Easton, Pa. Portland cement. 48,244; renewed Dec. 19, 1925.
Gibson, Luther E., Clarksburg, W. Va. Gasoline. 205,224; Nov. 3; Serial No. 206,165; published Aug. 18, 1925.
Gillespie, Chas. H., & Sons, assignor to Gillespie Varnish Company, Jersey City, N. J. Varnishes. 45,053; renewed Aug. 1, 1925.
Gipsy Trail Camp and Country Club Inc., New York, N. Y. Pencils. 205,125; Nov. 3; Serial No. 212,915; published Aug. 11, 1925.
Godfrey, William H., Philadelphia, Pa. Motor fuel oil. 205,419; Nov. 3.
Golden, William, doing business as The Pho-Mus-Tine Co., Oklahoma City, Okla. Salve or healing balm used for colds, nasal catarrh, burns, and skin diseases. 205,182; Nov. 3; Serial No. 214,957; published Aug. 4, 1925.
Goldhill, Edward S., New York, N. Y. Doughnuts. 205,077; Nov. 3; Serial No. 210,657; published Aug. 25, 1925.
Goldin Bros., Inc., New York, N. Y. Thread. 205,213; Nov. 3; Serial No. 208,588; published Aug. 18, 1925.
Goldman, S. L., doing business as Red Sun Products Co., Chicago, Ill. Malt sirup for food purposes. 205,163; Nov. 3; Serial No. 214,863; published Aug. 18, 1925.
Goldetic Manufacturing Co. (See Holland, Hessol & Caplin Co., Inc.)
Goodman Manufacturing Company, Chicago, Ill. Coal cutters and loading machines and parts thereof. 205,233; Nov. 3; Serial No. 211,093; published Aug. 18, 1925.
Goodman, Patrick, doing business as Safety Gas Main Stopper Co., Brooklyn, N. Y. Gas-main stoppers. 205,375; Nov. 3.
Goque, William L., Colman, S. Dak. Pearls and pearl necklaces. 205,337; Nov. 3; Serial No. 203,514; published Aug. 11, 1925.
Gordon, Samuel, New York, N. Y. Pipes, cigar and cigarette holders, etc. 205,383; Nov. 3.
Groblewski, Albert G., assignor to Albert G. Groblewski & Co., Incorporated, Plymouth, Pa. Remedy for certain named diseases. 45,308; renewed Aug. 8, 1925.
Graham Paper Company, St. Louis, Mo. Printing and writing paper. 205,241; Nov. 3; Serial No. 206,654; published Aug. 4, 1925.
Grammes, L. F., & Sons, Inc., Allentown, Pa. Paper clips. 205,154; Nov. 3; Serial No. 213,570; published Aug. 4, 1925.
Grauert, Ralph W., New York, N. Y. Bronze, aluminum, black, white, and colored paper stamping leaf in roll form. 205,361; Nov. 3; Serial No. 214,357; published Aug. 4, 1925.
Great Lakes Golf Corporation, Milwaukee, Wis. Golf clubs. 205,349; Nov. 3; Serial No. 216,778; published Aug. 25, 1925.
Greenberger, Nathan E., doing business as International Fruit Exchange, New York, N. Y. Fresh onions. 205,153; Nov. 3; Serial No. 213,640; published Aug. 18, 1925.
Gretsch, Fred, Mfg. Co., The, Brooklyn, N. Y. Saxophones. 205,087; Nov. 3; Serial No. 215,742; published Aug. 18, 1925.
Grim, James M., doing business as J. M. Grim Milling Co., Quicksburg, Va. Wheat flour and other mill products. 205,838; Nov. 3; Serial No. 208,467; published Aug. 18, 1925.
Griswold Manufacturing Company, The, Erie, Pa. Aluminum and iron cooking utensils. 205,244; Nov. 3; Serial No. 216,040; published Aug. 18, 1925.
Guiden, Charles, assignor to Charles Guiden, Inc., New York, N. Y. Mustard. 48,460; renewed Jan. 2, 1926.
Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa.; Gulf Refining Company, Pittsburgh, Pa. Petroleum lubricating oils. 48,787; renewed Jan. 16, 1926.
Hall, Charles P., doing business as C. P. Hall Co., Akron, Ohio. Asphaltum. 205,178; Nov. 3; Serial No. 214,359; published Aug. 11, 1925.
Hartmann, Wm., & Co. Inc., New York, N. Y. Wood pulp. 205,259; Nov. 3; Serial No. 216,268; published Aug. 18, 1925.
Hartsville Manufacturing Company, Hartsville, S. C. Fertilizer distributors, mixers, and grinders. 205,399; Nov. 3.
Havana Commercial Company, New York, N. Y.; Havana Commercial Company, Jersey City, N. J., and New York, N. Y. Cigars. 48,788; renewed Jan. 16, 1926.
Havana Commercial Company, New York, N. Y.; Havana Commercial Company, Jersey City, N. J., and New York, N. Y. Havana cigars. 49,375; renewed Feb. 6, 1926.
Hawley & Hoops, New York, N. Y. Candy. 48,621; renewed Jan. 9, 1926.
Hayes-Meserole Manufacturing Co., Inc., The, Milford, Conn. Pencil sharpeners. 205,316; Nov. 3; Serial No. 215,915; published Aug. 11, 1925.
Heap, Samuel, & Son Limited, Rochdale, England. Cotton piece goods, silk piece goods, handkerchiefs, quilts, etc. 205,364; Nov. 3; Serial No. 197,078; published Aug. 25, 1925.
Heebner, Blanche L., Longmeadow, Mass. Paper covers for toilet seats. 205,216; Nov. 3; Serial No. 208,241; published Aug. 4, 1925.
Held, Roy J., doing business as Stover Steel Tank & Mfg. Co., Freeport, Ill. Water softeners. 205,181; Nov. 3; Serial No. 214,321; published Aug. 18, 1925.
Heller, William, New York, N. Y. Silk and woolen knitted cloth in the piece. 205,281; Nov. 3; Serial No. 217,097; published Aug. 18, 1925.
Heminway Silk Co., The, Watertown, Conn. Pure and artificial silk fabrics in the piece. 205,198; Nov. 3; Serial No. 215,409; published Aug. 18, 1925.
Hillerich & Bradsby Co., Louisville, Ky. Baseball bats. 205,317; Nov. 3; Serial No. 215,919; published Aug. 18, 1925.
Hillerich & Bradsby Co., Louisville, Ky. Baseball bats. 205,318; Nov. 3; Serial No. 215,920; published Aug. 18, 1925.
Hillerich & Bradsby Co., Louisville, Ky. Baseball bats. 205,319; Nov. 3; Serial No. 215,928; published Aug. 18, 1925.
Hilsenbeck, Louis, New York, N. Y. Prophylactic membraneous articles for the prevention of contagious diseases. 205,201; Nov. 3; Serial No. 215,513; published Aug. 18, 1925.
Hoffbauer Company, Inc., New York, N. Y. Weather strips for windows. 205,188; Nov. 3; Serial No. 215,069; published Aug. 11, 1925.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas and accordions. 205,287; Nov. 3; Serial No. 214,598; published Aug. 11, 1925.
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 205,299; Nov. 3; Serial No. 216,340; published Aug. 25, 1925.
Holland, Hessol & Caplin Co. Inc., doing business as Goldetic Manufacturing Co., New York, N. Y. Hosiery, bloomers, vests, pantalets, brassières, etc. 205,189; Nov. 3; Serial No. 215,070; published Aug. 11, 1925.
Holmes, Christian R., Montecito, Santa Barbara, Calif. Fresh eggs and live and dressed poultry. 205,228; Nov. 3; Serial No. 203,521; published Aug. 18, 1925.
Huber-Sweet Mfg. Co., Highland Park, Ill. Mechanical toys. 205,180; Nov. 3; Serial No. 214,322; published Aug. 18, 1925.
Hungarian Milling & Elevator Company, The; The Colorado Milling & Elevator Co., Denver, Colo., successor. Wheat flour. 45,493; renewed Aug. 22, 1925.
India Alkali Works, Boston, Mass. Cleaning preparations. 205,173; Nov. 3; Serial No. 214,481; published Aug. 18, 1925.
International Fruit Exchange. (See Greenberger, Nathan E.)
International Motor Company, New York, N. Y. Motor trucks. 205,100; Nov. 3; Serial No. 202,505; published Aug. 18, 1925.
Interstate Cotton Oil Refining Co., Sherman, Tex. Shortening made from cottonseed oil. 205,183; Nov. 3; Serial No. 214,961; published Aug. 18, 1925.
Iowa Canning Co., Vinton, Iowa. Canned corn. 205,152; Nov. 3; Serial No. 213,648; published Aug. 18, 1925.
Ireland Matthews Manufacturing Company, The, Detroit, Mich. Fuel pumps for internal-combustion engines. 205,145; Nov. 3; Serial No. 214,164; published Aug. 18, 1925.
Jackson Brewing Company, New Orleans, La. Ginger ale. 205,123; Nov. 3; Serial No. 216,603; published Aug. 18, 1925.
Jaegerstrom, Hjalmar, San Francisco, Calif. Pastils for the throat. 205,417; Nov. 3.
Jaques Manufacturing Company, Chicago, Ill. Baking powder. 205,174–6; Nov. 3; Serial Nos. 214,422–4; published Aug. 4, 1925.
Jenkins, Alfred B., New York, N. Y., and Boston, Mass., assignor to Jenkins Bros., New York, N. Y. Valves and cocks. 48,373; renewed Dec. 26, 1925.
Jersey Star Creamery Inc., Irasburg, Vt. Condensed milk. 205,179; Nov. 3; Serial No. 214,324; published Aug. 18, 1925.
Jordan, Charles D., Monticello, Ga. Preparation for whooping cough, croup, boils, etc. 205,199; Nov. 3; Serial No. 215,466; published Aug. 11, 1925.
Jordan Marsh Company, Boston, Mass. Sheets and pillowcases. 205,273; Nov. 3; Serial No. 216,785; published Aug. 18, 1925.

Julius, Barnet, doing business as General Seltzer Mfg. Co., Quincy, Mass. Beverages sold as soft drinks. 205,171; Nov. 3; Serial No. 214,600; published Aug. 18, 1925.
Kaiser, Fred C., Brooklyn, N. Y. Roller dressing. 205,380; Nov. 3.
Kane, Thomas B., doing business as Philadelphia Bottling Company, Philadelphia, Pa. Beverages sold as soft drinks. 205,293; Nov. 3; Serial No. 215,411; published Aug. 25, 1925.
Kedmont Manufacturing Co., Not Inc. (See Eppenstein, Irving B.)
Keister, Edward F., Kansas City, Mo. Shelled salted nuts. 205,076; Nov. 3; Serial No. 215,516; published Aug. 25, 1925.
Kentucky Consumers Oil Co., Louisville, Ky. Petroleum oils and greases for lubricating purposes. 205,308; Nov. 3; Serial No. 215,633; published Aug. 18, 1925.
Keystone Handle Company, Union Furance, Pa. Handles for shovels. 205,309; Nov. 3; Serial No. 215,634; published Aug. 18, 1925.
Keystone Roofing Manufacturing Company, York, Pa. Construction materials. 205,416; Nov. 3.
Kickapoo Indian Medicine Co., The, Clintonville, Conn., assignor to Kickapoo Indian Medicine Co., Incorporated, New York, N. Y. Oils for internal and external use. 48,445; renewed Dec. 26, 1925.
Kiviette, Inc., New York, N. Y. Dance frocks, youthful dresses, suits, coats, etc. 205,330; Nov. 3; Serial No. 212,931; published Aug. 18, 1925.
Kohnstamm, H., & Co., Inc., New York, N. Y. Antiseptic washing liquid. 205,329; Nov. 3; Serial No. 213,138; published Aug. 11, 1925.
Kress, Claude W., doing business as Buckfield Plantation, Yemassee, S. C. Flower bulbs. 205,205; Nov. 3; Serial No. 199,428; Aug. 18, 1925.
Kur-Te-Cee Switch Mfg. Co., The, Columbus, Ohio. Switch for the lighting circuits of motor-vehicle head lamps. 205,339; Nov. 3; Serial No. 197,761; published Aug. 11, 1925.
Lady Fair Corporation, Chicago, Ill. Women's and misses' underwear made of cut materials and garters. 205,169; Nov. 3; Serial No. 214,669; published Aug. 4, 1925.
Lamport Mfg. Supply Co., Inc., The, New York, N. Y. Sheets, pillowcases, and piece goods of linen, cotton, canvas, and sailcloth. 205,172; Nov. 3; Serial No. 214,555; published Aug. 18, 1925.
Leonard, Charles R., doing business as the C. R. Leonard Company, Seattle, Wash. Carbon paper. 205,402; Nov. 3.
Les Parfums de Rosine, New York, N. Y. Toilet articles. 205,103–4; Nov. 3; Serial Nos. 198,372–3; published Aug. 11, 1925.
Les Parfums de Rosine, New York, N. Y. Toilet articles. 205,105–14; Nov. 3; Serial Nos. 198,361–70; published Aug. 11, 1925.
Les Parfums de Rosine, New York, N. Y. Toilet articles. 205,208–10; Nov. 3; Serial Nos. 198,374–6; published Aug. 11, 1925.
Lido Hosiery Shops, Inc., New York, N. Y. Hosiery. 205,190; Nov. 3; Serial No. 215,073; published Aug. 11, 1925.
Lindström, Carl, Aktiengesellschaft, Berlin, Germany. Talking machines and parts thereof, phonographs and parts thereof, disks, etc. 205,097; Nov. 3; Serial No. 212,388; published Aug. 18, 1925.
Lindström, Carl, Aktiengesellschaft, Berlin, Germany. Talking machines and parts thereof, phonographs and parts thereof, disks, etc. 205,400–1; Nov. 3.
Lissner, Herman, New York, N. Y. Tags. 205,239; Nov. 3; Serial No. 210,176; published Aug. 18, 1925.
Locomobile Company of America, Incorporated, Bridgeport, Conn. Automobiles and constructive parts thereof. 205,124; Nov. 3; Serial No. 213,514; published Aug. 18, 1925.
Lodnar, H. P., Co. (See Brunson, Randolph.)
Lokapak Company, Inc., The, New York, N. Y., Traveling bag. 205,163; Nov. 3; Serial No. 214,806; published Aug. 18, 1925.
Lunkenheimer Company, The, Cincinnati, Ohio. Grease cups. 48,385; renewed Dec. 26, 1925.
Lytton, Inc., Chicago, Ill. Radio sets, radio receiving sets, loud speakers, etc. 205,240; Nov. 3; Serial No. 209,999; published May 26, 1925.
Macy, R. H., & Co., Inc., New York, N. Y. Pads used as mattress protectors. 205,115; Nov. 3; Serial No. 198,078; published Aug. 18, 1925.
Majestic Manufacturing Company, St. Louis, Mo. Ranges, stoves, and heaters. 45,252; renewed Aug. 8, 1925.
Majestic Manufacturing Company, St. Louis, Mo. Ranges, stoves, and heaters. 45,638; renewed Aug. 22, 1925.
Maltose Laboratories, Inc., The, New Orleans, La. Malt and hop sirup. 205,352; Nov. 3; Serial No. 215,937; published Aug. 25, 1925.
Manheim Underwear Company, Ephrata, Pa. Ladies' cotton knit vests. 205,116; Nov. 3; Serial No. 197,889; published Aug. 11, 1925.
Manville Jenckes Company, Pawtucket, R. I. Cotton and cotton and silk draperies and upholsteries. 205,078; Nov. 3; Serial No. 209,305; published Aug. 25, 1925.
Marshall Field & Company, Chicago, Ill. Fiber dinner bags. 205,302; Nov. 3; Serial No. 216,525; published Aug. 25, 1925.
Marvell Pharmacal Co. Incorporated, The, New York, N. Y. Antiseptic and astringent remedy. 205,128; Nov. 3; Serial No. 212,627; published Aug. 11, 1925.
Matthews, Jas. H., & Co., Inc., Pittsburgh, Pa. Rubber type. 205,177; Nov. 3; Serial No. 214,373; published Aug. 11, 1925.
May & Malone, Chicago, Ill. Golf balls. 205,245; Nov. 3; Serial No. 216,060; published Aug. 18, 1925.
McAvoy Brewing Co., assignor to McAvoy Company, Chicago, Ill. Malt tonic. 48,504; renewed Jan. 2, 1926.
McAvoy Brewing Co., assignor to McAvoy Company, Chicago, Ill. Malt tonic. 48,930; renewed Jan. 16, 1926.
McClelland, Walter J., New York, N. Y. Hosiery. 205,156; Nov. 3; Serial No. 213,449; published Aug. 18, 1925.
Merblum, H. D., St. Louis, Mo. Dresses. 205,359; Nov. 3; Serial No. 215,016; published July 28, 1925.
Merrell-Soule Company, Syracuse, N. Y. Powdered milk product. 205,101; Nov. 3; Serial No. 215,104; published Aug. 18, 1925.
Merrell-Soule Company, Syracuse, N. Y. Powdered skimmed milk. 205,313; Nov. 3; Serial No. 215,860; published Aug. 18, 1925.
Merrell-Soule Company, Syracuse, N. Y. Fruit-juice powder for making soft drinks. 205,354; Nov. 3; Serial No. 215,867; published Aug. 25, 1925.
Merry Maid Products Co. (See Card, Henry.)
Metro Chocolate Co. Inc., Brooklyn, N. Y. Candy. 205,353; Nov. 3; Serial No. 215,869; published Aug. 25, 1925.
Middlesex Manufacturing Company, Catskill, N. Y. Nonmetallic flexible conduit. 205,292; Nov. 3; Serial No. 215,378; published Aug. 4, 1925.
Minot, Hooker & Co., New York, N. Y. Sheetings. 48,159; renewed Dec. 12, 1925.
Monroe Drug Company, Quincy, Ill. Dyes. 205,238; Nov. 3; Serial No. 210,249; published July 21, 1925.
Mooresville Cotton Mills, Mooresville, N. C. Cotton piece goods. 205,211–12; Nov. 3; Serial Nos. 209,096–7; published Aug. 18, 1925.
Morris Bottling Works. (See Rudnicki, Leo J.)
Moseley, David, & Sons Limited, Manchester, England. India-rubber inflatable cushions. 205,148; Nov. 3; Serial No. 213,852; published Aug. 4, 1925.
Naef, M., & Co., Geneva, Switzerland. Preparations for scenting perfumes and the like. 205,253–5; Nov. 3; Serial Nos. 216,201–3; published Aug. 4, 1925.
Naomi Produce Co., Chicago, Ill. Eggs. 205,095; Nov. 3; Serial No. 212,824; published Aug. 18, 1925.
National Paper Products Company, San Francisco, Calif. Mulching paper. 205,155; Nov. 3; Serial No. 213,520; published Aug. 4, 1925.
National Pneumatic Company, New York, N. Y. Pneumatic motors, pneumatic door and step motors, door shoes, etc. 205,151; Nov. 3; Serial No. 213,723; published Aug. 18, 1925.
National Safety First Aid Kit Co., Inc., New York, N. Y. Antiseptic surgical dressing. 205,310; Nov. 3; Serial No. 215,647; published Aug. 4, 1925.
Neiman, Marx S., New York, N. Y. Medicinal compounds, suitable for the treatment of corns, colds, etc. 205,260; Nov. 3; Serial No. 216,281; published Aug. 4, 1925.
Nekoosa-Edwards Paper Company, Port Edwards, Wis. Wrapping paper. 205,192; Nov. 3; Serial No. 215,167; published Aug. 4, 1925.
Nesser & Company, Chicago, Ill. Golf bags. 205,384; Nov. 3.
Neuhoff, Fred B., doing business as Fred B. Neuhoff Company, Los Angeles, Calif. Canned fruits and canned vegetables. 205,122; Nov. 3; Serial No. 171,859; published Feb. 17, 1925.
New Haven Clock Co., New Haven, Conn. Clocks and watches. 205,387; Nov. 3.
New York Merchandise Company, New York, N. Y. Toothbrushes. 205,276; Nov. 3; Serial No. 216,926; published Aug. 18, 1925.
Nierodka, John, Chicago, Ill. Puzzle blocks. 205,303; Nov. 3; Serial No. 217,108; published Aug. 25, 1925.
Nigro, Mike A., doing business as Flegym Pharmacal Company, Kansas City, Mo. Medicinal preparation for colds, influenza, etc. 205,413; Nov. 3.
Non-Leak Grease Retainer Co., St. Paul, Minn. Grease retainers. 205,423; Nov. 3.
Oceano Products Company, Newark, N. J. Regulating tonic and detoxicant. 205,261; Nov. 3; Serial No. 216,353; published Aug. 18, 1925.
Odin Stove Manufacturing Company, Erie, Pa. Gas heating and cooking stoves. 205,314–5; Nov. 3; Serial Nos. 215,873–4; published Aug. 11, 1925.
Ohio Federation of Women's Clubs, Cleveland, Ohio. Monthly magazine. 205,235; Nov. 3; Serial No. 210,745; published May 26, 1925.
Ola Specialty Co. (See Brueck, Joseph.)
Olds, Edward A., assignor to The Packer Manufacturing Company, Inc., New York, N. Y. Tar soap. 49,389; renewed Feb. 6, 1926.
Onyx Oil & Chemical Co., Jersey City, N. J. Product for weighting and adding body to silk. 205,262; Nov. 3; Serial No. 216,355; published Aug. 4, 1925.



Pabst Chemical Company; F. Pabst, doing business as Pabst Chemical Company, Chicago, Ill., successor. Medicine specific for certain named diseases. 45,788; renewed Aug. 29, 1925.
Pacific American Fisheries, Portland, Me.; Pacific American Fisheries, Portland, Me., and South Bellingham, Wash. Canned salmon. 48,288; renewed Dec. 19, 1925.
Pacific Orient Co., San Francisco, Calif. Canned sardines. 205,070; Nov. 3; Serial No. 217,110; published Aug. 25, 1925.
Packer Manufacturing Company, The. (See Olds, Edward A., assignor.)
Paige, Harrie C., Omaha, Nebr. Accounting devices. 205,379; Nov. 3.
Pan American Products Corporation, Wenonah, N. J. Beverages sold as soft drinks. 205,264; Nov. 3; Serial No. 216,427; published Aug. 18, 1925.
Paragon Paint & Varnish Corporation, Long Island City, N. Y. Ready-mixed paints. 205,396; Nov. 3.
Parfümerie Scherk. (See Scherk, Ludwig.)
Parker Brothers, Portland, Me., and Salem, Mass. Games. 205,362; Nov. 3; Serial No. 213,399; published Aug. 25, 1925.
Pecina, Rudolph F., Los Angeles, Calif. Violins and pianos. 205,101; Nov. 3; Serial No. 201,372; published Aug. 18, 1925.
Peerless Bread Machine Company, The, Sidney, Ohio. Flour-milling and bakers' machinery. 205,127; Nov. 3; Serial No. 212,635; published Aug. 18, 1925.
Perham Fruit Company, Yakima, Wash. Fresh apples and pears. 205,135–7; Nov. 3; Serial Nos. 212,029–31; published Aug. 18, 1925.
Pettibone Mulliken Co., New York, N. Y. Centrifugal pumps. 205,422; Nov. 3.
Philadelphia Bottling Company. (See Kane, Thomas B.)
Philippeau, Juliette L., New York, N. Y. Pineapple specialty drink sold as a soft drink and concentrate, extract, and sirup for making the same. 205,251; Nov. 3; Serial No. 216,116; published Aug. 18, 1925.
Pho-Mus-Tine Co., The. (See Golden, William.)
Pierce, Homer F., Rochester, Ind. Articles of jewelry. 205,088; Nov. 3; Serial No. 215,176; published Aug. 25, 1925.
Pineule Medicine Co., Chicago, Ill., assignor, by mesne assignments, to E. C. De Witt & Co. Inc., New York, N. Y. Cure for piles. 45,170; renewed Aug. 8, 1925.
Pioneer Fruit Company, San Francisco, Calif. Fresh pears. 205,068; Nov. 3; Serial No. 217,180; published Aug. 25, 1925.
Pocatello Flour Mills Company, The, Pocatello, Idaho. Wheat flour. 205,081; Nov. 3; Serial No. 216,744; published Aug. 18, 1925.
Polk, James K., Inc., Atlanta, Ga. Phonographs. 205,328; Nov. 3; Serial No. 213,143; published Aug. 11, 1925.
Pooley, Henry, & Son, Limited, Birmingham, England. Weighing machinery. 205,215; Nov. 3; Serial No. 208,257; published Aug. 18, 1925.
Portland Flour Mills Co., San Francisco, Calif. Wheat flour. 205,083–4; Nov. 3; Serial Nos. 216,287–8; published Aug. 18, 1925.
Prentiss, William, jr., doing business as California Almond Confections Company, Long Beach, Calif. Candy and candy-coated nuts. 205,365; Nov. 3; Serial No. 194,477; published Aug. 25, 1925.
Preservaline Manufacturing Company, The, Brooklyn, N. Y. Coloring matter for butter, etc. 205,408; Nov. 3.
Pressteel Engineering Corporation, New York, N. Y. Filing cabinets. 205,157; Nov. 3; Serial No. 213,404; published Aug. 4, 1925.
Prime-Miller Petroleum Company, Oklahoma City, Okla. Lubricating oil made from Pennsylvania oil and gasoline. 205,321; Nov. 3; Serial No. 215,994; published Aug. 11, 1925.
Progressive Leather Goods Co., New York, N. Y. Traveling kits. 205,371; Nov. 3.
Progressive Musical Instrument Corporation, New York, N. Y. Violin strings. 205,219; Nov. 3; Serial No. 207,525; published Aug. 25, 1925.
Progressive Musical Instrument Corporation, New York, N. Y. Banjo heads and drumheads. 205,220; Nov. 3; Serial No. 207,524; published Aug. 25, 1925.
Progressive Musical Instrument Corporation, New York, N. Y. Accordions, blow accordions, and mouth harmonicas. 205,221; Nov. 3; Serial No. 207,523; published Aug. 25, 1925.
Progressive Musical Instrument Corporation, New York, N. Y. Guitars and mandolins. 205,222–3; Nov. 3; Serial Nos. 207,517–8; published Aug. 25, 1925.
Progressive Musical Instrument Corporation, New York, N. Y. Violin strings. 205,335; Nov. 3; Serial No. 207,522; published Aug. 25, 1925.
Propp, M., Co., The, New York, N. Y. Christmas-tree outfits consisting of miniature electric lights. 205,117; Nov. 3; Serial No. 194,616; published July 14, 1925.
Protexwel Corporation, Chicago, Ill. Shower-bath curtains. 205,237; Nov. 3; Serial No. 210,404; published Aug. 18, 1925.
Pure Food Laboratories Co., The, Delaware, Ohio. Prepared chocolate food. 205,229; Nov. 3; Serial No. 203,437; published Aug. 18, 1925.
Raven Mineral Manufacturing Co., Rochelle, Ill., and Council Bluffs, Iowa. Mineral feed for animals. 205,426; Nov. 3.
Reasoner Brothers, doing business as Royal Palm Nurseries, Oneco, Fla. Ornamental plants and trees. 205,092; Nov. 3; Serial No. 213,859; published Aug. 18, 1925.
Red Apple Orchard Corporation, Shipman, Va. Fresh apples. 205,143; Nov. 3; Serial No. 214,275; published July 28, 1925.
Red Sun Products Co. (See Goldman, S. L.)
Reid, Murdoch & Co., Chicago, Ill. Pickles. 205,164; Nov. 3; Serial No. 214,813; published Aug. 18, 1925.
Remien & Kuhnert Co., Chicago, Ill. Wall papers. 205,366; Nov. 3.
Renfrew Manufacturing Company, The, Adams, Mass. Cotton piece goods. 48,645; renewed Jan. 9, 1926.
Resinilla Corporation, The, New York, N. Y. Fruit juices for making soft drinks. 205,355; Nov. 3; Serial No. 215,706; published Aug. 25, 1925.
Reymer & Brothers, Incorporated, Pittsburgh, Pa. Candy. 48,352; renewed Dec. 26, 1925.
Rhode Island Welding Co., Providence, R. I. Welding and metal-cutting equipment. 205,207; Nov. 3; Serial No. 198,424; published Aug. 18, 1925.
Riverside Metal Co., The, Riverside, N. J. Metallic alloy and articles of which such alloy forms a part. 48,706; renewed Jan. 9, 1926.
Roddenbery, Walter B., Cairo, Ga. Food sirup. 205,256; Nov. 3; Serial No. 214,223; published Aug. 18, 1925.
Roessel, Louis, & Co. Inc., Hasleton, Pa., and New York, N. Y. Silk goods in the piece. 205,367; Nov. 3.
Rosenberg & Brand. (See Brand, Charles.)
Rosenberg, Henry, New York, N. Y. Fur pelts. 205,091; Nov. 3; Serial No. 214,380; published Aug. 18, 1925.
Rost, H., & Co., Hamburg, Germany. Balata belting and balata, rubber, and fabric valves. 205,231; Nov. 3; Serial No. 211,227; published Aug. 18, 1925.
Rost, H., & Co., Hamburg, Germany. Balata belting and valves. 205,141; Nov. 3; Serial No. 211,228; Aug. 4, 1925.
Roubaix Mills, Inc., New York, N. Y. Piece goods made of wool. 205,160; Nov. 3; Serial No. 213,193; published Aug. 18, 1925.
Roxement Company, The, Chicago, Ill. Cement recoating. 205,184; Nov. 3; Serial No. 214,975; published Aug. 18, 1925.
Royal Palm Nurseries. (See Reasoner Brothers.)
Royal Worcester Corset Company, Worcester, Mass. Women's and children's wearing apparel. 205,118; Nov. 3; Serial No. 194,304; published Aug. 18, 1925.
Rubber and Celluloid Harness Trimming Co., assignor to Rubber and Celluloid Products Company, New York, N. Y. Lather brushes. 48,640; renewed Jan. 9, 1926.
Rudnicki, Leo J., doing business as Morris Bottling Works, Morris, Minn. Beverages, fruit drinks, etc., and sirups for making same. 205,390; Nov. 3.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. Tire bolts. 48,695; renewed Jan. 9, 1926.
Ryan, Matthew W., doing business as W. H. Brown Son & Co., New York, N. Y. Cotton piece goods. 205,168; Nov. 3; Serial No. 214,690; published Aug. 18, 1925.
Ryan, Matthew W., doing business as W. H. Brown Son & Co., New York, N. Y. Cotton piece goods. 205,414; Nov. 3.
S. O. S. Radio Corporation, Paterson, N. J. Radio receiving sets, radio parts and supplies, etc. 205,331; Nov. 3; Serial No. 212,801; published Aug. 11, 1925.
Safety Gas Main Stopper Co. (See Goodman, Patrick.)
Samson, Milton H., doing business as Samson Laboratories, Chicago, Ill. Fixture and metal polish. 205,150; Nov. 3; Serial No. 213,742; published Aug. 18, 1925.
San Antonio Portland Cement Co., San Antonio, Tex. Portland cement. 205,311; Nov. 3; Serial No. 215,756; published Aug. 11, 1925.
Sands Manufacturing Company, The, Cleveland, Ohio. Gas water heaters, and parts and accessories therefor. 205,147; Nov. 3; Serial No. 213,923; published Aug. 18, 1925.
Sands Manufacturing Company, The, Cleveland, Ohio. Gas water heaters and parts and accessories therefor. 205,159; Nov. 3; Serial No. 213,198; published Aug. 18, 1925.
Sauquoit Paper Co., Inc., Utica, N. Y. Combination of paper towels and napkins. 205,268; Nov. 3; Serial No. 216,562; published Aug. 4, 1925.
Scheidt, Adam, Brewing Co., Norristown, Pa. Lager beer. 48,148; renewed Dec. 12, 1925.
Scherk, Ludwig, doing business as Parfümerie Scherk, Berlin, Germany. Perfumery and cosmetics. 205,120–1; Nov. 3; Serial Nos. 179,964–5; published Aug. 11, 1925.
Schlage Company, The, San Francisco, Calif. Lock sets. 205,373; Nov. 3.
Schlichter Jute Cordage Co., The, Philadelphia, Pa. Rope, cord, and twine. 48,743; renewed Jan. 9, 1926.
Schreiber, Charles A., Brunswick, Ind. Spark plugs. 205,296; Nov. 3; Serial No. 215,757; published Aug. 4, 1925.
Scranton Stove Works, Scranton, Pa. Stoves, ranges, furnaces, and parts thereof. 48,940; renewed Jan. 16, 1926.

Sealy Mattress Company of Sugar Land, Texas, Sugar Land, Tex. Mattresses. 205,333; Nov. 3; Serial No. 211,805; published Aug. 18, 1925.
Se-Bot-M Boat Co., Miami, Fla. Observation boats. 205,405. Nov. 3.
Sego Milk Products Company, Salt Lake City, Utah. Cheese. 205,410; Nov. 3.
Service Bulletin, Inc., New York, N. Y. Magazines or periodicals (issued monthly). 205,307; Nov. 3; Serial No. 215,596; published Aug. 11, 1925.
Service Grocer Company, Inc., Detroit, Mich. Paper napkins and toilet paper. 205,265; Nov. 3; Serial No. 216,480; published Aug. 4, 1925.
Sessions Clock Company, The, Bristol, Conn. Clocks. 205,392; Nov. 3.
Sewell, Evelyn L., doing business as Mme. E. L. Sewell, Kansas City, Mo. Hair grower, hairdressing, and follicle oil. 205,369; Nov. 3.
Shapleigh Hardware Company, St. Louis, Mo. Fishlines. 205,421; Nov. 3.
Sharp & Smith, Chicago, Ill. Surgical belts and bandages. 48,805; renewed Jan. 16, 1926.
Sharp & Smith, assignor, by mesne assignments, to Bike Web Manufacturing Company, Chicago, Ill. Jockstrap suspensories. 48,251; renewed Dec. 19, 1925.
Sherman, Beatrix, New York, N. Y. Paper and cloth silhouette designs and figures. 205,139; Nov. 3; Serial No. 211,807; published Aug. 18, 1925.
Sibley, Edward L., Manufacturing Company, Bennington, Vt. Eyelets. 205,158; Nov. 3; Serial No. 213,324; published Aug. 4, 1925.
Signature Oddvertising Service, New Castle, Pa. Printed advertising and other matter. 205,234; Nov. 3; Serial Nos. 216,484–5; published Aug. 25, 1925.
Silverman, Jacob, doing business as Alvo Remedy Company, Milwaukee, Wis. Medicinal and pharmaceutical preparations. 205,206; Nov. 3; Serial No. 198,480; published Aug. 11, 1925.
Silvertone Stationery Company, Miamisburg, Ohio. Mailing envelopes, letterheads, and correspondence cards. 205,236; Nov. 3; Serial No. 210,579; published Aug. 11, 1925.
Simpson, Wm., Sons & Co., Philadelphia, Pa. Silk and cotton goods in the piece. 205,300–1; Nov. 13; Serial Nos. 216,484–5; published Aug. 25, 1925.
Snower, M., & Co. Inc., Chicago, Ill. White duck and drill goods. 205,080; Nov. 3; Serial No. 190,617; published Aug. 25, 1925.
Societe l'Aliment Essentiel, Nanterre, Seine, France. Prepared foods for infants and invalids. 205,381; Nov. 3.
Spartan Mills, Spartanburg, S. C. Cotton piece goods. 205,404; Nov. 3.
Standard Bottling Company, Denver, Colo. Beverages sold as soft drinks. 205,277; Nov. 3; Serial No. 216,947; published Aug. 18, 1925.
Standard Crayon Manufacturing Co., Danvers, Mass. Wax and chalk crayons. 205,263; Nov. 3; Serial No. 216,365; published Aug. 4, 1925.
Standard Horse Nail Company, New Brighton, Pa. Horse nails. 46,806; renewed Oct. 10, 1925.
Standard Horse Nail Company, New Brighton, Pa. Horse nails. 46,808–12; renewed Oct. 10, 1925.
Standard Horse Nail Company, New Brighton, Pa. Horse nails. 46,991; renewed Oct. 17, 1925.
Standard Horse Nail Company, New Brighton, Pa. Horse nails. 47,011; renewed Oct. 17, 1925.
Stearns, F. U., & Company, New York, N. Y. Cotton piece goods. 205,272; Nov. 3; Serial No. 216,748; published Aug. 18, 1925.
Sterling Pump Works, Inc., Stockton, Calif. Pumps and pump parts. 205,398; Nov. 3.
Stern, Harry A., New York, N. Y., assignor to Alvah Bushnell Company, Philadelphia, Pa. Open, closed, and expanding files, filing folders, and wrappers. 205,196; Nov. 3; Serial 215,318; published Aug. 11, 1925.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 205,227; Nov. 3; Serial No. 204,681; published Aug. 18, 1925.
Stover Manufacturing & Engine Company, Freeport, Ill. Windmills. 205,146; Nov. 3; Serial No. 213,932; published July 21, 1925.
Stover Steel Tank & Mfg. Co. (See Held, Roy J.)
Submarine Signal Corporation, Wilmington, Del., and Boston, Mass. Apparatus for measuring distances. 205,312; Nov. 3; Serial No. 215,833; published Aug. 18, 1925.
Sunray Stove Company, The, Delaware, Ohio. Gas stoves and ranges. 205,342; Nov. 3; Serial No. 195,921; published July 8, 1924.
Super Shock Absorber Co., Inc., Jersey City, N. J. Shock absorbers. 205,085; Nov. 3; Serial No. 216,124; published Aug. 18, 1925.
Sutherland, E. E., Medicine Co., The, Paducah, Ky., assignor to Dr. Bell Medicine Co., Inc., New York, N. Y. Preparation for the treatment of certain named diseases. 48,951; renewed Jan. 16, 1926.
Swan Carburetor Company, The, Cleveland, Ohio. Carburetors, manifolds, and carburetor systems. 205,197; Nov. 3; Serial No. 215,321; published Aug. 18, 1925.
Talbot Manufacturing Co., Los Angeles, Calif. Insecticides. 205,257; Nov. 3; Serial No. 216,235; published Aug. 4, 1925.
Teagle Company, The, Cleveland, Ohio. Magnetic actuators for sound reproducers. 205,336; Nov. 3; Serial No. 206,382; published Aug. 4, 1925.
Tennison, John, Brooklyn, N. Y. Bread. 205,282; Nov. 3; Serial No. 213,866; published Aug. 18, 1925.
Thomson Wood Finishing Co., The, Philadelphia, Pa. Paints, varnishes, colors, fillers, etc. 48,833; renewed Jan. 16, 1926.
Tone Bros., Des Moines, Iowa. Mustard and spices. 48,467; renewed Jan. 2, 1926.
Tower, A. J., Co., Roxbury, Mass. Oiled clothing. 48,337; renewed Dec. 26, 1925.
Tower Manufacturing Corporation, Boston, Mass. Loud speakers, head sets, etc. 205,283–4; Nov. 3; Serial Nos. 214,104–5; published Aug. 4, 1925.
Troy Sunshade Co., The, Troy, Ohio. Article of furniture. 205,225; Nov. 3; Serial No. 205,799; published Aug. 18, 1925.
True Shape Hosiery Company, Philadelphia, Pa. Hosiery. 205,126; Nov. 3; Serial No. 212,705; published Aug. 18, 1925.
Tuck Manufacturing Company, Brockton, Mass. Socket armer chisels, screw drivers, etc. 205,411; Nov. 3.
Turner Brothers Company, Terre Haute, Ind. Glass bottles, flasks, jars, jugs, and decanters. 205,166; Nov. 3; Serial No. 214,759; published Aug. 18, 1925.
Ucanco Candy Co. (See Chandler and Rudd Company, The, assignor.)
United States Graphite Co., The, Saginaw, Mich. Lubricating graphite, graphite grease, and graphite lubricant. 205,119; Nov. 3; Serial No. 194,086; published Aug. 18, 1925.
United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 205,248–8; Nov. 3; Serial Nos. 216,075–8; published Aug. 18, 1925.
United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 205,304; Nov. 3; Serial No. 217,118; published Aug. 25, 1925.
U. S. Line Company. (See United States Whip Company.)
Van Praagh, Joseph, London, England. Liquids, pastes, and powders, and perfumeries. 205,214; Nov. 3; Serial No. 208,541; published Aug. 11, 1925.
Van Vleet-Mansfield Drug Co., Memphis, Tenn. Cough balsam. 205,200; Nov. 3; Serial No. 215,488; published Aug. 11, 1925.
Van Wolf, Adolphe F. (See Eppenstein, Irving B., assignor.)
Voorhies, Gordon, Medford, Oreg. Fresh pears. 205,069; Nov. 3; Serial No. 217,122; published Aug. 25, 1925.
Warner, William R., & Co., Philadelphia, Pa., assignor to William R. Warner & Co., Inc., New York, N. Y. Medicinal preparations. 49,320; renewed Feb. 20, 1926.
Washburn Crosby Company, Minneapolis, Minn. Wheat flour. 205,327; Nov. 3; Serial No. 213,467; published Aug. 18, 1925.
Washburn, F. B., & Company, Brockton, Mass. Candy. 205,351; Nov. 3; Serial No. 216,080; published Aug. 25, 1925.
Waterman, L. E., Company, New York, N. Y. Fountain pens. 48,230; renewed Dec. 19, 1925.
Waverly Musical Products Co., Inc., New York, N. Y. Strings for violins, mandolins, guitars, etc. 205,386; Nov. 3.
Wetherald, James T., Boston, Mass. Antiseptic. 48,709; renewed Jan. 9, 1926.
Wexler Brothers, Chicago, Ill. Finger rings and ring mountings. 205,090; Nov. 3; Serial No. 214,525; published Aug. 11, 1925.
White, James F., & Co., Inc., New York, N. Y. Cotton piece goods. 205,394; Nov. 3.
White, James F., & Co., Inc., New York, N. Y. Cotton piece goods. 205,397; Nov. 3.
White Rock Mineral Springs Company, Waukesha, Wis. Ginger Ale. 205,356; Nov. 3; Serial No. 215,670; published Aug. 25, 1925.
Whiting, John L., & Son Co., assignor to John L. Whiting-J. J. Adams Company, Boston, Mass. Brushes. 48,820; renewed Jan. 16, 1926.
Whittle & Mutch, Inc., Philadelphia, Pa. Beverages sold as soft drinks and extracts and sirups for making the same. 205,266; Nov. 3; Serial No. 216,491; published Aug. 18, 1925.
Widlar Co., The, Cleveland, Ohio. Vegetable spiced relish. 205,393; Nov. 3.
Williams, Frank C., Easton, Pa. Self-raising prepared buckwheat flour. 49,928; renewed Feb. 20, 1926.
Williams, Percy B. T., Philadelphia, Pa. Toothbrushes. 205,368; Nov. 3.
Wingo, Eliett & Crump Shoe Co., Manchester; Wingo, Eliett & Crump Shoe Co., Richmond, Va. Boots, shoes, and slippers. 48,839; renewed Jan. 16, 1926.
Winooski Electric Manufacturing Company, Inc., Winooski, Vt. Electrical traffic signals and terminal connectors. 205,290; Nov. 3; Serial No. 215,224; published Aug. 4, 1925.
Winter, Irving H., Brooklyn, N. Y. Toothbrushes. 205,294; Nov. 3; Serial No. 215,495; published Aug. 25, 1925.



Wittstein, Francis H., Newark, N. J. Jewelry. 205,340; Nov. 3; Serial No. 196,562; published Aug. 11, 1925.
Wolf Manufacturing Industries, The, Quincy, Ill. Phonographs. 205,343; Nov. 3; Serial No. 192,348; published Aug. 11, 1925.
Worcester Post Company, Worcester, Mass. Newspaper published daily. 205,258; Nov. 3; Serial No. 216,248; published Aug. 18, 1925.
Wright & Wright, Inc., Philadelphia, Pa.; Camden, N. J.; Chester, Pa.; and Wilmington, Del. Clothes-washing machines. 205,004; Nov. 3; Serial No. 213,341; published Aug. 25, 1925.
Young, Richard, Company, New York, N. Y. Tanned sheepskins. 49,725; renewed Feb. 13, 1926.
Zinn, August K., doing business as A. K. Zinn & Company, Battle Creek, Mich. Stock foods. 205,377; Nov. 3.

# ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Arnold, F. R. & Co., New York, N. Y. Fracy Paris France. For Face Powder. 29,406; Nov. 3.
Bohack, H. C., Co. Inc. (See Frisch, Emile, assignor.)
Central Waxed Paper Co., Chicago, Ill. Quality Bread. For Wheat Bread. 29,407; Nov. 3.
Corkhill, Adam N., jr., Camden, N. J. Klean Kleaner. For Soft Hand Paste or Soap. 29,408; Nov. 3.
Dunkel, John, Chicago, Ill. Meisterbrew. For Malt Extract. 29,409; Nov. 3.
Dunkel, John, Chicago, Ill. Old Rose. For Malt Extract. 29,410; Nov. 3.
Earnshaw Knitting Co., Newton, Mass. Vanta Baby Garments. For Baby Garments. 29,411; Nov. 3.
Fluxo Products Company, Inc., Le Roy, N. Y. Fluxo the Cleanser for Toilet Bowls. For Cleansing Preparation in Powder Form Having Disinfecting and Deodorizing Properties, Useful Particularly in Bathrooms and Other Plumbing Appliances. 29,412; Nov. 3.
Frisch, Emile, Chicago, Ill., assignor to H. C. Bohack Co. Inc., Brooklyn, N. Y. Bohack's Bread. For Bread. 29,413; Nov. 3.
Gold Dust Corporation, Jersey City, N. J. Rainbo White Soap Flakes. For Soap Flakes. 29,414; Nov. 3.
Jones, Robt. T., doing business as the Virginia Syrup and Extract Company, Alexandria, Va. La-Champagne. For a Soft Drink. 29,415; Nov. 3.
Krank, A. J., Mfg. Co., St. Paul, Minn. Body Sweet For Bath Salts. 29,416; Nov. 3.
Los Angeles Soap Co., Los Angeles, Calif. White King. For Soap. 29,417; Nov. 3.
Mack, Horace M. B., Lancaster, Pa. Commonwealth. For Coffee. 29,418; Nov. 3.
Mack, Horace M. B., Lancaster, Pa. Pennsylvania Special. For Coffee. 29,419; Nov. 3.
Mack, Horace M. B., Lancaster, Pa. Old State Capitol. For Coffee. 29,420; Nov. 3.
Pom-Ora Corporation, New York, N. Y. Pom-Ora. For Canned Goods and Especially Canned Grapefruit. 29,421; Nov. 3.
Pom-Ora Corporation, New York, N. Y. Pom-Ora. For Fresh Fruit and Especially Oranges and Grapefruit. 29,422; Nov. 3.
Pratt-Low Preserving Company, Santa Clara, Calif. Modesto. For Canned Sliced Hawaiian Pineapple. 29,423; Nov. 3.
Pratt-Low Preserving Company, Santa Clara, Calif. Santa Clara Specials. For Canned Crushed Hawaiian Pineapple. 29,424; Nov. 3.
Pratt-Low Preserving Company, Santa Clara, Calif. Roman Gold. For Canned Apricots. 29,425. Nov. 3.
Salada Tea Company, Boston, Mass. Salada—Pure Uncoloured Green Tea (Red Label). For Tea. 29,426; Nov. 3.
Salada Tea Company, Boston, Mass. Salada Black Tea (Brown Label). For Tea. 29,427; Nov. 3.
Salada Tea Company, Boston, Mass. Salada—Green Tea (Red Label). For Tea. 29,428; Nov. 3.
Salada Tea Company, Boston, Mass. Salada—Black & Green Tea Mixed (Blue Label). For Tea. 29,429; Nov. 3.
Salada Tea Company, Boston, Mass. Salada Pure Uncoloured Green Tea (Gold Label). For Green Tea. 29,430; Nov. 3.
Salada Tea Company, Boston, Mass. Salada Mixed Tea (Gold Label.) For Black and Green Mixed Tea. 29,431; Nov. 3.
Salada Tea Company, Boston, Mass. Salada Orange Pekoe & Pekoe (Gold Label). For Black Tea. 29,432; Nov. 3.
Salada Tea Company, Boston, Mass. Salada Orange Pekoe & Pekoe (Red Label Individual Bags). For Black Tea. 29,433; Nov. 3.
Salada Tea Company, Boston, Mass. Salada Mixed Tea (Red Label). For Black and Green Tea Mixed. 29,434; Nov. 3.
Salada Tea Company, Boston, Mass. Salada Orange Pekoe & Tekoe (Blue Label). For Black Tea. 29,435; Nov. 3.
Salada Tea Company, Boston, Mass. Salada Tea (Brown Label). For Black and Green Tea Mixed. 29,436; Nov. 3.
Salada Tea Company, Boston, Mass. Salada Pure Uncoloured Green Tea (Brown Label). For Green Tea. 29,437; Nov. 3.
Salada Tea Company, Boston, Mass. Salada Cocoa (Blue Label). For Cocoa. 29,438; Nov. 3.
Salada Tea Company, Boston, Mass. Salada Coffee (Red Label). For Coffee. 29,439; Nov. 3.
Stare, Frank T., Inc., Wausau, Wis. Black and White. For Evaporated Milk. 29,440; Nov. 3.
Stare, Frank T., Inc., Wausau, Wis. Red Band. For Evaporated Milk. 29,441; Nov. 3.
Stare, Frank T., Inc., Wausau, Wis. Blue Band. For Evaporated Milk. 29,442; Nov. 3.
Virginia Syrup and Extract Company. (See Jones, Robt. T.)
Wallace, Earl L., doing business as Wright Pop Corn Co., San Francisco, Calif. Korn King. For Pop Corn. 29,443; Nov. 3.
White Cross Food Company, Racine, Wis. White Cross Malted Milk. For Malted Milk. 29,444; Nov. 3.
Wright Pop Corn Co. (See Wallace, Earl L.)

# ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Abbotts Alderney Dairies, Inc., Philadelphia, Pa. Abbottmaid the de luxe Ice Cream. For Ice Cream. 8,297; Nov. 3.
American Transformer Co., Newark, N. J. What It Means To Be An Authorized Amer Tran Dealer. For Audio and Power Transformers and Choke Coils. 8,298; Nov. 3.
Bronzo Alumina Corporation, The, Buffalo, N. Y. Improve your Fords Appearance With De Luxe Radiator Cap. For Radiator Caps on Ford Automobiles. 8,299; Nov. 3.
Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. Good — (wingfoot) — Year Tires At Low Prices. For Vehicle Tires Composed Wholly or in Part of Rubber. 8,300; Nov. 3.
Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. How much do you want to pay? We have Good (wingfoot) Year Tires At your Price. For Vehicle Tires Composed Wholly or in Part of Rubber. 8,301; Nov. 3.
Keystone Varnish Co., New York, N. Y. Keystone Varnish Co. Products. For Varnishes. 8,302; Nov. 3.
Roslinoid Mfg. Co., East Boston, Mass. For The Entire Family Sun-Pruf Goggles Protect Your Eyes (Man Design). For Sun-Pruf Goggles. 8,303; Nov. 3.
Roslinoid Mfg. Co., East Boston, Mass. For The Entire Family Sun-Pruf Goggles Protect Your Eyes (Girl Design). For Sun-Pruf Goggles. 8,304; Nov. 3.
Roslinoid Mfg. Co., East Boston, Mass. For The Entire Family Sun-Pruf Goggles Protect Your Eyes (Family Design). For Sun-Pruf Goggles. 8,305; Nov. 3.
Scholl Manufacturing Company, Inc., The, Chicago, Ill. Corns Stop their pain. For Dr. Scholl's Zino Pads. 8,306; Nov. 3.
Scholl Manufacturing Company, Inc., The, Chicago, Ill. Sure safe relief Corns Stop hurting in one minute. For Dr. Scholl's Zino Pads. 8,307; Nov. 3.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. P. Hat Co. Inc., The, New York, N. Y. Ladies' and misses' hats. 220,487; Nov. 3.
Accessories Manufacturing Co., Chicago, Ill. Electric lamps. 218,280; Nov. 3.
Adam, Weldrum & Anderson Co. Inc., Buffalo, N. Y. Overalls, work shirts, and pants. 220,057; Nov. 3.
Aktiebolaget Alpha, Sundyberg, near Stockholm, Sweden. Machines for testing the hardness of materials. 217,654; Nov. 3.
Albertson, William Y., Philadelphia, Pa. Ponchos. 217,381; Nov. 3.
Alexander Milling Company, The, Winfield, Kans. Wheat flour. 219,866; Nov. 3.
Alpha-Lux Company, Inc., New York, N. Y. Natural carbonated mineral water. 200,742; Nov. 3.
American Agricultural Chemical Company, The, New York, N. Y. Poultry food. 215,394; Nov. 3.
American Knitwear Company, New York, N. Y. Sweaters, bathing suits, scarfs, dresses, etc. 215,397; Nov. 3.
American Radio Relay League, The, Hartford, Conn. Magazines or monthly publications. 204,492; Nov. 3.
American Reenforced Paper Company, Attleboro, Mass. Reenforced paper. 216,810; Nov. 3.
American Stores Company, Philadelphia, Pa. Brooms. 220,822; Nov. 3.
American Stores Company, Philadelphia, Pa. Breakfast drink used as a substitute for coffee. 220,826; Nov. 3.
Amsterdam Broom Company, Amsterdam, N. Y. Brooms. 220,008–9; Nov. 3.
Amsterdam Broom Company, Amsterdam, N. Y. Brooms. 220,011–13; Nov. 3.
Andrews Lead Company, Inc., The, New York, N. Y. Lead oxide. 215,675; Nov. 3.
Ands. Koch A.-G., Trossingen, Wurtemberg, Germany. Mouth organs and accordions. 212,469; Nov. 3.
Angier Corporation, Framingham, Mass. Crêped or crinkled paper stock. 220,283; Nov. 3.
Anodine Pharmacal Company. (See Bugg, Rush.)
Aphicide Spray Mfg. Co. (See Burrell, Delavan V.)
Arakelian, Harry, & Son, Turlock, Calif. Dry raisins. 219,105; Nov. 3.
Aron, J., & Company, Inc., New York, N. Y. Coffee. 219,515–16; Nov. 3.
Aron, J., & Company, Inc., New York, N. Y. Coffee. 219,519; Nov. 3.
Atlas Brush Corporation, Brooklyn, N. Y. Painters' brushes. 210,877; Nov. 3.
Babani, M., Paris, France. Perfumes, face powders, rouge, etc. 220,015; Nov. 3.
Bacon Banjo Co., Inc., The, Groton, Conn. Pick for a stringed musical instrument. 216,252; Nov. 3.
Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Motor fuel oils. 215,962; Nov. 3.
Bailey, Walter W., doing business as Bailey Paper Company, New York, N. Y. Book paper. 220,589; Nov. 3.
Bailey, Walter W., doing business as Bailey Paper Company, New York, N. Y. Paper. 220,590; Nov. 3.
Bakelite Corporation, New York, N. Y. Clock cases and watchcases. 216,817; Nov. 3.
Ballard & Ballard Co., Louisville, Ky. Sacks and bags. 216,706; Nov. 3.
Bamberger, L., & Company, Newark, N. J. Silks in the piece. 219,521; Nov. 3.
Belleville Stove & Range Co., Belleville, Ill. Electric stoves, ranges, and hot-plate attachment therefor. 215,044; Nov. 3.
Bergs, E. A., Fabriks Aktiebolag, Eskilstuna, Sweden. Tongs, razors, plane iron, grooving iron, etc. 208,932; Nov. 3.
Berminghan & Prosser Co., Kalamazoo, Mich. Book and printing papers. 219,267; Nov. 3.
Berry, Dr. C. H., Company, Chicago, Ill. Cold and cleansing cream. 219,026; Nov. 3.
Best & Co., Inc., New York, N. Y. Canes and umbrellas. 216,767; Nov. 3.
Best & Co., Inc., New York, N. Y. Boys' sailor suits, half hose, spats, etc. 216,768; Nov. 3.
Borgfeldt, Geo., & Co., New York, N. Y. Toothbrushes, hand brushes, and hairbrushes. 219,323; Nov. 3.
Boss Washing Machine Company, The, Norwood, Ohio. Washing machines. 199,604; Nov. 3.
Bourland, James C., doing business as Imperial Medicine Company, Houston, Tex. Vegetable compound used as a remedy for the treatment of eczema. 214,395; Nov. 3.
Brueck, Joseph, doing business as Glossine Chemical Co., New York, N. Y. Composition of matter for the extraction of hairs. 220,885; Nov. 3.
Built-In Fixture Company, Berkeley, Calif. Ironing boards, folding seats, etc. 219,934; Nov. 3.
Burrell, Delavan V., doing business as Aphicide Spray Mfg. Co., Rocky Ford, Colo. Insecticide. 219,935; Nov. 3.



C B Products Co., Woodbury, N. J. Laundry and cleaning composition. 219,057; Nov. 3.
Camel Malt Syrup Co., Cedar Rapids, Iowa. Malt extracts and sirups. 217,501; Nov. 3.
Carlowitz & Co., Hamburg, Germany. Watches, clocks, and parts thereof. 211,831; Nov. 3.
Carter Radio Co., Chicago, Ill. Electrical lighting devices. 217,920; Nov. 3.
Caward Dart Company, Waterloo, Iowa. Oil pumps. 218,468; Nov. 3.
Certain-teed Products Corporation, New York, N. Y. Sublimed naphthalene, crude naphthalene, and creosote oil. 217,450; Nov. 3.
Chicago Mail Order Company, Chicago, Ill. Men's dress shoes. 220,397; Nov. 3.
Chicago Piston Ring Company, The. (See Hallam, Ralph M.)
Chocolate Products Company, Baltimore, Md. Candy-bar goods. 215,620; Nov. 3.
Ciolen Laboratories. (See Woldan, Paul.)
Clauser, Archibald C., Reading, Pa. Butter, eggs, and dressed poultry. 219,229; Nov. 3.
Cleary, Richard T., Charleston, W. Va. Shampoo and scalp treatment. 219,814; Nov. 3.
Cleveland Twist Drill Company, The, Cleveland, Ohio. Metal-working small tools. 213,278; Nov. 3.
Clicquot Club Company, Millis, Mass. Beverages sold as soft drinks and sirups for making the same. 218,735–6; Nov. 3.
Columbus Vending Company, The, Columbus, Ohio. Vending machines. 213,226; Nov. 3.
Concrete Surface Corporation, New York, N. Y. Material for treating horizontal concrete surfaces. 219,815; Nov. 3.
Consumers' Biscuit Co., New Orleans, La. Cakes. 219,879; Nov. 3.
Cox Stores Co., Little Rock, Ark. Butter, coffee, vinegar, mustard, etc. 184,123; Nov. 3.
Davidson, Arthur E., Chicago, Ill. Ukuleles and banjo ukes. 208,512; Nov. 3.
Davis Bros. Cheese Co., Plymouth, Wis. Cheese. 219,880; Nov. 3.
Davis, H. B., Company, The, Baltimore, Md. Paint. 219,616; Nov. 3.
Dawson, E. L., & Company, San Francisco, Calif. Canned fruit, vegetables, and fish, and dried fruit. 220,503; Nov. 3.
Delaney, Peter, doing business as Delaney & Young, Eureka, Calif. Candy. 220,504; Nov. 3.
Delouche, Paul, Paris, France. Remedy for arteriosclerosis. 218,741; Nov. 3.
De Soto Paint Manufacturing Co., Memphis, Tenn. Varnish and ready-mixed paints. 203,075; Nov. 3.
Diana Motors Company, St. Louis, Mo. Automobiles. 219,947; Nov. 3.
Dorf & Co., Inc., New York, N. Y. Umbrellas and parasols. 219,818; Nov. 3.
Dorf & Co., Inc., New York, N. Y. Umbrellas and parasols. 220,063; Nov. 3.
Dorman, Benjamin, New York, N. Y. Tunny fish, canned tomatoes, tomato sauce, olive oil, and black pepper. 199,830; Nov. 3.
Downing Taylor Company, Springfield, Mass. Bluing and ammonia. 219,949; Nov. 3.
Duffus Silver Fox Corporation, New York, N. Y. Live foxes and fox pelts. 215,558; Nov. 3.
Dunlop Mills, The. (See Warner Moore & Co.)
Eagle Remedy Company, San Antonio, Tex. Liquid laxative. 220,064; Nov. 3.
Earl, J. L., Chicago, Ill. Laxative. 220,511; Nov. 3.
Eclipse Products Co. (See Talbot, William P.)
Ehro Sulfur Laboratories, Inc., New York, N. Y. Medicinal preparations. 220,018; Nov. 3.
Electrad, Inc., New York, N. Y. Variable-resistance units for controlling electric circuits. 206,284; Nov. 3.
Electrical Research Laboratories, Inc., Chicago, Ill. Radio receiving sets, loud speakers, plugs, etc. 216,517; Nov. 3.
Empire Milling Company, Minneapolis, Minn. Wheat flour. 218,958; Nov. 3.
Equitable Investment Company, Incorporated, Washington, D. C. Laxative nervetone compound. 220,844; Nov. 3.
Etablissements Michel Potous S. A., Paris, France. Electric lamps for automobiles. 189,845; Nov. 3.
Extinguishers, Limited, London, England. Fire-extinguishing machines. 216,716; Nov. 3.
Farbenfabriken vorm. Fried. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Powder for combating injurious insects. 220,603; Nov. 3.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Remedies for sleeping sickness. 220,890–1; Nov. 3.



Favorite Phonograph Manufacturing Company, The. (See Waterson, May.)
Ferdinand, L. W., & Co., Boston, Mass. Waterproof joint glue. 219,327; Nov. 3.
Fig-A-Lax Corporation, now by change of name Floria Chemical Company, Inc., New York, N. Y. Laxative. 213,292; Nov. 3.
Fine, M., & Sons, New York, N. Y. Jackets, boys' blouses, shirts, overalls, underwear, etc. 217,506; Nov. 3.
Firestone-Apsley Rubber Company, Hudson, Mass. Boots and shoes; 200,811; Nov. 3.
Firstenberg, Naboshek & Kheel, New York, N. Y. Fur collars, cuffs, and borders. 216,530; Nov. 3.
Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 219,580; Nov. 3.
Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Vehicle tires. 210,896; Nov. 3.
Florence Manufacturing Company. (See Golinko, Philip.)
Floria-Chemical Company. (See Fig-A-Lax Corporation.)
Food Products Co., The, Baltimore, Md. Canned tomatoes and peaches. 220,119; Nov. 3.
Freeman-Smart Company, Chicago, Ill. Monthly magazine. 216,863; Nov. 3.
French Battery & Carbon Company, Madison, Wis. Dry batteries. 206,951; Nov. 3.
Freund, Walter, Bread Co., St. Louis, Mo. Rye bread. 218,477; Nov. 3.
Frost Fishing Tackle Company, Stevens Point, Wis. Fishing tackle. 210,899; Nov. 3.
Fuhrer-Ford Milling Co., Mount Vernon, Ind. Wheat flour. 210,839; Nov. 3.
Gatlin & Gatlin, Los Angeles, Calif. Canned fish. 220,518–19; Nov. 3.
Gavalla & Zannos, New York, N. Y. Olive oil. 219,889; Nov. 3.
Gerlinger Drug Products Incorporated, New York, N. Y. Medicinal preparation. 220,068; Nov. 3.
Gilmore Oil Company, Los Angeles, Calif. Kerosene, fuel oils, gasoline, etc. 207,501; Nov. 3.
Gitter's Millinery Stores, Inc., Brooklyn and New York, N. Y. Ladies' hats. 219,118; Nov. 3.
Glossine Chemical Co. (See Brueck, Joseph.)
Godet Inc., New York, N. Y. Face powders, face creams, rouges, pomades, etc. 219,892; Nov. 3.
Golinko, Philip, doing business as Florence Manufacturing Co., New York, N. Y. Dresses. 220,188; Nov. 3.
Goodrich, A., Manufactures, Inc., Chicago, Ill. Oilstones, sharpening stones, etc. 219,533; Nov. 3.
Gouiard & Olena, Inc., New York, N. Y. Insecticides. 219,958; Nov. 3.
Graham, Edward A., doing business as Alfred Graham & Co., London, England. Cabinet loud speakers, radio receiving sets, and parts thereof. 217,768; Nov. 3.
Graham Paper Company, St. Louis, Mo. Wrapping paper. 219,959; Nov. 3.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Children's shoes. 219,423; Nov. 3.
Grayona Needlecraft Corporation, New York, N. Y. Art needlework and novelties. 198,570; Nov. 3.
Great Lakes Varnish Works, Inc., Chicago, Ill. Varnishes. 219,961; Nov. 3.
Great Six Overalls, Inc., Winona, Minn. Overalls and work suits. 220,228; Nov. 3.
Grebe, A. H., & Co., Inc., Richmond Hill, N. Y. Transformers and inductances. 206,320; Nov. 3.
Grissinger, David A., Lemoyne, Pa. Cakes. 219,893; Nov. 3.
Gulterman Bros., Inc., St. Paul, Minn. Bathing suits. 220,069; Nov. 3.
Hallam, Ralph M., doing business as The Chicago Piston Ring Company, Chicago, Ill. Water-circulating pumps for automobiles. 218,811; Nov. 3.
Hankele, George, Philadelphia, Pa. Bar candy. 220,342; Nov. 3.
Hashemesh Inc., New York, N. Y. Soap and scouring powder. 216,978; Nov. 3.
Hayes, James A., New York, N. Y. Taxicabs. 220,127; Nov. 3.
Hearne, William W., Inc., Philadelphia, Pa. Inhibiting compound for treating metals. 220,897; Nov. 3.
Hirbour, Oscar C., North Brookfield, Mass. Orange drink. 200,199; Nov. 3.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas and accordions. 217,829; Nov. 3.
Holdstrong Chemical Co. (See Langhaus, Morris.)
Holland Varnish Company, Limited, The, Montreal, Quebec, Canada. Paints, varnishes, oil colors, etc. 206,668; Nov. 3.
Holman Soap Co., Chicago, Ill. Cold cream and talcum powder. 212,685; Nov. 3.
Humantone Company. (See Stivers, James J.)
Hyman, Max, & Son, Inc., New York, N. Y. Shirts. 220,235; Nov. 3.
Idico Corporation, New York, N. Y. Dispensing boxes and cans. 219,824; Nov. 3.
Imperial Medicine Company. (See Bourland, James C.)
Incandescent Supply Company, New York, N. Y. Radio receiving and sending sets and parts thereof. 217,560; Nov. 3.
Independent Home Oil Co., Fairmount, N. Dak. Gasoline, kerosene, lubricating oils and greases. 215,071; Nov. 3.
Insulite Co., The, International Falls and Minneapolis, Minn. Plaster-base wall boards and sheathing. 201,087; Nov. 3.
International Heater Company, Utica, N. Y. Warm-air furnaces. 219,587; Nov. 3.
Iowa Canning Co., Vinton, Iowa. Canned corn. 213,576; Nov. 3.
Isleton Canning Co., San Francisco, and Isleton, Calif. Canned fruits and vegetables. 220,059–60; Nov. 3.
Jacoby, Morris, New York, N. Y. Optical frames, lenses, and parts of ophthalmic mountings. 215,694; Nov. 3.
Jeffries Automatic Service Company, Los Angeles, Calif. Vending machine. 216,397; Nov. 3.
Jones, Howard E., & Co., Baltimore, Md. Vegetables and tomato catchup. 214,551; Nov. 3.
Kalkus Chemical Co. (See Paulson, Carolus M.)
Kampf Herbal Laboratories. (See Kampfmuller, William E.)
Kampfmuller, William E., doing business as The Kampf Herbal Laboratories, Cincinnati, Ohio. Preparation for kidney and bladder troubles. 220,028; Nov. 3.
Kantor, M., doing business as Kantor Bottling Works, Beloit, Wis. Beverages. 218,976; Nov. 3.
Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Perfumes, hair oil, bath salts, etc. 220,724; Nov. 3.
Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Perfume, hair oil, bath salts, etc. 220,727; Nov. 3.
Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Perfume, hair oil, bath salts, etc. 220,729; Nov. 3.
Kase-Quinby Rubber Co. Inc., New York, N. Y. Rubber massage bath brushes. 217,675; Nov. 3.
Kelly, William, Milling Company, The, Hutchinson, Kans. Wheat flour. 217,157; Nov. 3.
Kent-Straus Company, Paterson, N. J. Silks and cottons for drapery cloth. 201,963; Nov. 3.
Kilbourn, William D., Colorado Springs, Colo. Synthetic picture outfits. 208,688; Nov. 3.
Kirkpatrick and Brown, Newark, N. J. Garters. 219,825; Nov. 3.
Klass, Max, New York, N. Y. Watches, watchcases, and watch movements. 218,062–3; Nov. 3.
Koreska, Wilhelm, Vienna, Austria. Carbon papers and typewriting ribbons. 208,200; Nov. 3.
Koujales, Harry P., doing business as H. P. Koujales Co., New Britain, Conn. Sirup for making drinks. 215,794; Nov. 3.
Krueger, Gottfried, Brewing Co., Newark, N. J. Malt beverage. 216,918; Nov. 3.
L. & B. Hosiery Co., New York, N. Y. Hosiery. 220,130; Nov. 3.
La Glycine Watch Factory, Bienne, Switzerland. Watches and timepieces. 217,348; Nov. 3.
Langhaus, Morris, doing business as Holdstrong Chemical Co., New York, N. Y. Hair tonic. 220,029; Nov. 3.
Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Wheat flour. 218,260; Nov. 3.
Lebn & Fink, Inc., New York, N. Y. Tea. 210,467; Nov. 3.
Lewis & Ferro, Inc, New York, N. Y. Preparation for coating wall board, walls, etc. 219,252; Nov. 3.
Lewis, G. B., Company, Watertown, Wis. Hive covers. 218,924; Nov. 3.
Lily of France Corset Co., New York, N. Y. Corsets. 218,819; Nov. 3.
Lito-Fone Company, Inc., New York, N. Y. Vehicle signals. 201,036; Nov. 3.
Lorraine, Rhé D., New York, N. Y. Cold cream, face powder, rouges, and perfumes. 195,708; Nov. 3.
Luzo Coffee Company. (See Ribeiro, Raul.)
Lynchburg Canning Company, The, Lynchburg, Ohio. Canned corn. 210,800; Nov. 3.
Mablo-Werke G. m. b. H. Bad Schwartau, near Lubeck, Germany. Marchpane. 211,173; Nov. 3.
MacFadden Publications, Incorporated, New York, N. Y. Magazine publications. 218,191; Nov. 3.
Magid Bros. Silk Co., New York, N. Y. Silk and cotton mixture fabric linings. 218,708; Nov. 3.
Malone, Tomas E., Buena Vista, Ohio. Medicine for diphtheria and throat diseases. 218,317; Nov. 3.
Manville Jenckes Company, Pawtucket, R. I. Sheetings and drillings. 217,720–1; Nov. 3.
Marx & Rawolle, Inc., New York, N. Y. Prepared shellac and shellac substitutes. 210,495; Nov. 3.
Maryland-Virginia Milk Products Company, Inc., Charlottesville, Va. and Washington, D. C. Milk, cream, and buttermilk. 219,489; Nov. 3.
Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Candies. 220,314; Nov. 3.
Mason By-Products Co., San Francisco, Calif. Denatured alcohol. 219,752; Nov. 3.
McBride, C. L., Manufacturing Co., The, Toledo, Ohio. Gloves. 219,253; Nov. 3.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

McCoy, James J., jr., New York, N. Y. Radio receiving sets and parts thereof. 217,524; Nov. 3.
McFadden, H. G., & Co., New York, N. Y. Portable electric-lighting fixtures, electric desk lamps, etc. 202,069; Nov. 3.
McLaughlin, Howard B., doing business as McLaughlin Co., Canton, Ohio. Electric stop and direction signal lights. 211,175; Nov. 3.
McMahan & Leib Company, Anderson, Ind. Canned pears, corn, and tomatoes. 220,245; Nov. 3.
Mechanicsburg Manufacturing Company, Mechanicsburg, Pa. Hosiery. 220,077; Nov. 3.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Blood coagulant. 220,907; Nov. 3.
Merrick Scale Mfg. Company., Passaic, N. J. Weighing apparatus. 219,977; Nov. 3.
Metal Textile Corporation, West Orange, N. J. Scouring cloths. 219,753; Nov. 3.
Miltex Cloak & Suit Co., New York, N. Y. Ladies' coats. 219,832; Nov. 3.
Minneapolis Milling Company, Minneapolis, Minn. Semolinas, wheat flours, and wheat offals. 217,630; Nov. 3.
Mints, Horowitz and Arick, New York, N. Y. Suits, overcoats, and trousers. 219,833; Nov. 3.
Modern Office Devices, Inc., New York, N. Y. Binders or files. 219,755; Nov. 3.
Mohawk Electric Corporation, Chicago, Ill. Vernier dials. 219,254; Nov. 3.
Montres Era & Viso, C. Ruefli-Flury & Cie-Société Anonyme, Bienne, Switzerland. Watches and clocks, movements, cases, dials, and parts thereof. 217,356; Nov. 3.
Moore Pen Co., The, Boston, Mass. Fountain pens. 218,985; Nov. 3.
Moore Pen Company, The, Boston, Mass. Fountain pens and pencils. 220,559; Nov. 3.
Morgan Manufacturing Company, Inc., The, Keene, N. H. Electrical signal and tail lights for automobiles. 218,270; Nov. 3.
Mosher & Lasher, Wymore, Nebr. Fish bait. 219,676; Nov. 3.
Mulford, H. K., Company, Philadelphia, Pa. Standardized aqueous preparation of digitalis for hypodermic use. 220,788; Nov. 3.
Mulford, H. K., Company, Philadelphia, Pa. Standardized fat-free tincture of digitalis. 220,789; Nov. 3.
Mulligan, Francis, Belfast, Ireland. Cement and plaster. 219,104; Nov. 3.
Naamlooze Vennootschap Distilleerderij, Likeurstokerij, Limonade- en Extractenfabriek Van C. Polak Gzn., Groningen, Netherlands. Sirups and essences for making lemonade. 219,296; Nov. 3.
Navicoal Corporation, Philadelphia, Pa. Fuel briquets. 220,133; Nov. 3.
New England Brewing Co., doing business as Suffolk Brewing Company, Boston, Mass. Cereal malt beverage. 216,689; Nov. 3.
New England Brewing Co., doing business as The Roessle Brewery, Boston, Mass. Cereal malt beverage. 216,690; Nov. 3.
New Mix Products, Inc., New York, N. Y. Brushes. 219,983; Nov. 3.
Nifty Jiffy Corporation, Atlanta, Ga. Counters and show cases for self-service stores. 214,738; Nov. 3.
Northwest Fruit Distributors, Seattle, Wash. Fresh apples. 220,567; Nov. 3.
Ohio Marble Company, Inc., The, Piqua, Ohio. Calcium carbonate. 220,079; Nov. 3.
Orr, J. K., Shoe Company, Atlanta, Ga. Shoes. 219,551; Nov. 3.
Ostrom & Meyer, Drs., Peoria, Ill. Mouth wash. 220,795; Nov. 3.
Pacific Coast Biscuit Company, Seattle, Wash. Crackers and cakes. 218,773; Nov. 3.
Pan-American Band Instrument & Case Co., The, Elkhart, Ind. Cases for musical instruments. 218,322; Nov. 3.
Parke, Davis & Company, Detroit, Mich. Laxative. 219,907; Nov. 3.
Patchlessal Manufacturing Co., New York, N. Y. Chemical compound. 218,870; Nov. 3.
Paulson, Carolus M., doing business as Kalkus Chemical Company, Minneapolis, Minn. Foot powder for soft corns, calli, and aching, tired, etc., feet. 220,797; Nov. 3.
Paver, J. M., Co., The, Chicago, Ill. Canned and bottled vegetables, fruits, and berries. 220,418; Nov. 3.
Pennant Radio Laboratories, Newark, N. J. Radio vacuum tubes. 219,200; Nov. 3.
Pennsylvania Lawn Mower Works, Philadelphia, Pa. Lawn mowers. 220,080; Nov. 3.
Pessin, Saul, doing business as The Pessin Pretzo Company, Cleveland, Ohio. Candy confections. 220,294; Nov. 3.
Peters, Frederick A. B., Sydney, Australia. Pile remedy. 220,569; Nov. 3.
Peters Manufacturing Company, Quincy, Mass. Buffing wheels. 217,896; Nov. 3.
Peterson, Clyde S., Minneapolis, Minn. Sport jackets. 220,082; Nov. 3.
Pilot Electric Manufacturing Company, Inc., The, Brooklyn, N. Y. Fixed and variable condensers for radio reception devices. 218,776; Nov. 3.
Price-Wilhoite Specialty Co., Inc., Washington, D. C. Sandwiches. 220,083–6; Nov. 3.
Progressive Musical Instrument Corporation, New York, N. Y. Ukuleles, banjo ukuleles, and mouth harmonicas. 207,519; Nov. 3.
Pure Asphalt Products Company, New Market, N. J., and New York, N. Y. Compound for sealing cast-iron soil, water, terra-cotta sewer-pipe joints, and the like. 202,078; Nov. 3.
Puyallup & Sumner Fruit Growers Association, The, Puyallup, Wash. Canned raspberries, blackberries, pears, rhubarb, fresh cherries, etc. 220,252; Nov. 3.
Quaker City Choc. & Conf. Co., Philadelphia, Pa. Candy. 220,678; Nov. 3.
Radio Corporation of America, New York, N. Y. Radio receiving sets. 199,184; Nov. 3.
Radio Corporation of America, New York, N. Y. Vacuum tubes and valves. 218,523; Nov. 3.
Radiotive Corporation, Brooklyn, N. Y. Radio loud speakers, radio loud-speaking photograph attachments or adapters, etc. 212,200; Nov. 3.
Rainwater, Pearl, Little Rock, Ark. Play dresses for children. 220,139; Nov. 3.
Raleigh Haberdasher, Inc., Washington, D. C. Frocks. 219,409; Nov. 3.
Real Style Shoe Co., Cincinnati, Ohio. Shoes and slippers. 218,524; Nov. 3.
Remien & Kuhnert Co., Chicago, Ill. Processed oil enamel for interior use. 219,764; Nov. 3.
Resas, Inc., New York, N. Y. Radio receiving sets. 210,191; Nov. 3.
Rheinisch-Westfälische Sprengstoff-Actien-Gesellschaft Köln, Cologne, Germany. Electrical apparatus and supplies. 219,411; Nov. 3.
Ribeiro, Raul, doing business as Luzo Coffee Company, New Bedford, Mass. Coffee, tea, cider, vinegar, and olive oil. 216,992; Nov. 3.
Rice-Stix Dry Goods Company, St. Louis, Mo. Shirts and sweater coats. 217,634; Nov. 3.
Rios, Bruno, doing business as San Diego Bottling Works, San Diego, Tex. Beverages sold as soft drinks. 219,045; Nov. 3.
Robertson, H. H., Co., Pittsburgh, Pa. Asphalts and compositions embodying asphalt and like materials. 218,273; Nov. 3.
Roessel, Louis, & Co. Inc., Hazleton, Pa., and New York, N. Y. Silk goods in the piece. 219,540; Nov. 3.
Roessle Brewery, The. (See New England Brewing Co.)
Rosenbloom, William, Revere, Mass. Tuning coils for radio receiving sets. 201,465; Nov. 3.
Ruud Manufacturing Company, Pittsburgh, Pa. Water heaters. 219,497; Nov. 3.
San Antonio Coffee Co., San Antonio, Tex. Coffee. 216,942; Nov. 3.
Sanburg, Ralph A., doing business as The R. A. Sanburg Organization, Burlington, Iowa. Candy and biscuits. 218,873; Nov. 3.
San Diego Bottling Works. (See Rios, Bruno.)
Scholl Manufacturing Company, Inc., Chicago, Ill. Plasters for corns, bunions, and calli, and warts. 201,469; Nov. 3.
Seiss Manufacturing Company, The, Toledo, Ohio. Toy molds. 215,185; Nov. 3.
Shattuck, Frank G., Company, Boston, Mass., and New York, N. Y. Icecream containers. 219,498; Nov. 3.
Shepherd, George B., Lynchburg, Va. Beverage sold as a soft drink and sirup for making the same. 205,236; Nov. 3.
Sherman Radio Manufacturing Corporation, New York, N. Y. Radio receiving sets. 217,232; Nov. 3.
Siegel, Nathan, Brooklyn, N. Y. Undergarments. 215,711; Nov. 3.
Six Wheels Incorporated, Los Angeles, Calif. Automobile trucks. 220,622; Nov. 3.
Skolnik, L. R., doing business as Skolnik Manufacturing Co., Minneapolis, Minn. Wall board, heat-insulating material, etc. 219,608; Nov. 3.
Southern Creameries, Inc., Nashville, Tenn. Butter. 218,529; Nov. 3.
Southern Gypsum Company, Incorporated, North Holston, Va. Mineral poultry feed and scratch. 220,257; Nov. 3.
Southwestern Milling Company, Inc., The, New York, N. Y. Wheat flour. 217,532; Nov. 3.
Spencer Thermostat Company, Cambridge, Mass. Thermostatic controls. 219,150; Nov. 3.
Splitdorf Electrical Company, Newark, N. J. Electrical condensers. 216,568; Nov. 3.
Stauffer Chemical Co., San Francisco, Calif. Gas-purifying material. 220,580; Nov. 3.
Stehli Silks Corporation, New York, N. Y. Silk piece goods. 205,373; Nov. 3.
Steward, George W., Co., Inc., New York, N. Y. Finger rings, brooches, bracelets, and pendants. 219,610; Nov. 3.
Stivers, James J., doing business as Humantone Company, New York, N. Y. Nasal wind musical instrument. 214,288; Nov. 3.



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Strasser Candy Company, The, Denver, Colo. Candy suckers. 208,845; Nov. 3.
Strathmore Paper Company, Mittineague, Mass. Book paper. 219,614; Nov. 3.
Suffolk Brewing Company. (See New England Brewing Co.)
Sugar, Molly, doing business as Supero Laboratory Products Company, Ogden, Utah. Lotion pastes and powders, camphorated oil, etc. 220,044; Nov. 3.
Sugar, Molly, doing business as Supero Laboratory Products Company, Ogden, Utah. Lotion pastes and powders and camphorated oil, etc. 220,046; Nov. 3.
Sugg, Rush, doing business as Anodine Pharmacal Company, Clinton, Iowa. Mouth wash. 219,789; Nov. 3.
Supero Laboratory Products Company. (See Sugar, Molly.)
Talbot, William P., doing business as Eclipse Products Co., New York, N. Y. Necktie supports. 216,236; Nov. 3.
Tater-Flakes Company, The, Chicago, Ill. Cooking oil. 219,999; Nov. 3.
Textile Products Ltd., Memphis, Tenn. Raincoats. 218,028; Nov. 3.
Thompson, Loren O., doing business as L. O. Thompson Company, New York, N. Y. Silk piece goods. 211,068; Nov. 3.
Tilton, James B., Haverhill, Mass. Shoes. 219,356; Nov. 3.
Todaro, Paul, doing business as Paolo Todaro & Co., New York, N. Y. Olive oil. 220,154; Nov. 3.
Tower Manufacturing Corporation, Boston, Mass. Head sets, loud speakers, etc., for radio receiving sets. 206,810; Nov. 3.
Troutdale Celery Growers Union, Troutdale, Oreg. Celery. 220,264; Nov. 3.
Tuttle, William S., doing business as Tuttle Law Print, Rutland, Vt. Typewriter paper. 219,358; Nov. 3.
Urban, George, Milling Company, Buffalo, N. Y. Farina. 220,158; Nov. 3.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Whiting and carbonate of lime. 214,039; Nov. 3.
Van Wart & Foreman, Los Angeles, Calif. Radioaerials. 218,223; Nov. 3.
Vivi, Inc., New York, N. Y. Face and talcum powders, toilet waters, nail polishes, etc. 220,690; Nov. 3.
Von Ruf's Ink Company, New Haven, Conn. Writing inks. 209,184; Nov. 3.
W. & T. Metal Products Corporation, Detroit, Mich. Filing boxes. 220,159; Nov. 3.
Wachenheimer Bros., Inc., Providence, R. I. Breast-pins, brooches, bracelets, and barrettes. 218,440; Nov. 3.
Wagner-Gaebel Co., Chicago, Ill. Ladies' hats. 218,673; Nov. 3.
Walbridge, Emma R., Babylon, N. Y. Sweaters and overblouses. 218,885; Nov. 3.
Waples Platter Gro. Co., Fort Worth, Tex. Coffee. 179,501; Nov. 3.
Warner Moore & Co., doing business as The Dunlop Mills, Richmond, Va. Flour. 220,266; Nov. 3.
Waterloo Milling Company. (See Ziebold, George W.)
Waterson, May, doing business as The Favorite Phonograph Manufacturing Company, New York, N. Y. Phonographs. 210,594; Nov. 3.
Webaco Oil Company, Inc., Webster, N. Y. Gasoline. 216,999; Nov. 3.
West Side Wholesale Grocery Co., Chicago, Ill. Canned vegetables, fruits, and fish, pickles, etc. 208,770; Nov. 3.
Whitman-Cooney Textile Corporation, New York, N. Y. Woven fabrics in the piece. 219,361; Nov. 3.
Wholesale Apparel Corporation, New York, N. Y. Dresses. 219,096; Nov. 3.
Woldan, Paul, doing business as Ciolen Laboratories, Elmhurst, N. Y. Ointment for healing burns, scalds, and sunburn. 220,816; Nov. 3.
Wood, E. K., Lumber Company, San Francisco, Calif. Lumber, wood, sash, and doors, etc. 217,315; Nov. 3.
Wortham Riding Device Company., Dallas, Tex. Roller coasters. 204,990; Nov. 3.
Wyoming Valley Paper Mill, Northumberland, N. H., and New York, N. Y. Toilet paper and paper towels. 219,706; Nov. 3.
Xenos, John D., San Diego, Calif. Healing salve. 219,158; Nov. 3.
Yankee Tube Corporation, Newark, N. J. Radio vacuum tubes. 214,987; Nov. 3.
Zenith Radio Corporation, Chicago, Ill. Phonographs. 213,822; Nov. 3.
Ziebold, George W., doing business as Waterloo Milling Company, Waterloo, Ill. Wheat flour. 220,005; Nov. 3.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

## CLASS 1.

Boots and shoes and leather therefor, Leather. American Oak Leather Company. 49,798; renewed Feb. 20, 1926.
Bulbs, Flower. C. W. Kress. 205,205; Nov. 3; Serial No. 199,428; published Aug. 18, 1925.
Calfskins and sheepskins. Charles Bond Company. 205,378; Nov. 3.
Coal. C. G. Blake Company. 205,872; Nov. 3.
Coal. C. G. Blake Company. 205,874; Nov 3.
Fibrous material, Hard. Atlas Leather Company. 205,102; Nov. 3; Serial No. 199,599; published Aug. 18, 1925.
Fur pelts. H. Rosenberg. 205,091; Nov. 3; Serial No. 214,380; published Aug. 18, 1925.
Plants and trees, Ornamental. Reasoner Brothers. 205,092; Nov. 3; Serial No. 213,859; published Aug. 18, 1925.
Pulp, Wood. Wm. Hartmann & Co. 205,259; Nov. 3; Serial No. 216,268; published Aug. 18, 1925.
Seed, Grass. H. E. Conklin. 49,789; renewed Feb. 13, 1926.
Sheepskins, Tanned. Richard Young Company. 49,725; renewed Feb. 13, 1926.

## CLASS 2.

Bags, Fiber dinner. Marshall Field & Company. 205,302; Nov. 3; Serial No. 216,525; published Aug. 25, 1925.
Buckets, dinner carriers, pails, etc. Aktiebolaget Separator. 205,350; Nov. 3; Serial No. 216,662; published Aug. 25, 1925.

## CLASS 3.

Bag, Traveling. Lokapak Company. 205,165; Nov. 3; Serial No. 214,806; published Aug. 18, 1925.
Kits, Traveling. Progressive Leather Goods Co. 205,371; Nov. 3.

## CLASS 4.

Cleaning and polishing metals and glass, Preparation for. Electro Silicon Co. 49,035; renewed Jan. 23, 1926.
Cleaning preparations. India Alkali Works. 205,173; Nov. 3; Serial No. 214,481; published Aug. 18, 1925.
Cutting materials and polishing powder. C. P. Currier. 205,144; Nov. 3; Serial No. 214,288; published Aug. 18, 1925.
Dressing, Roller. F. C. Kaiser. 205,380; Nov. 3.
Polish, Fixture and metal. M. H. Samson. 205,150; Nov 3; Serial No. 213,742; published Aug. 18, 1925.
Soap, Tar. E. A. Olds. 49,389; renewed Feb. 6, 1926.
Washing compounds. Brookman Manufacturing Company. 205,382; Nov. 3.
Washing liquid, Antiseptic. H. Kohnstamm & Co. 205,329; Nov. 3; Serial No. 213,188; published Aug. 11, 1925.

## CLASS 6.

Antiseptic and astringent remedy. Marvell Pharmacal Co. 205,128; Nov. 3; Serial No. 212,627; published Aug. 11, 1925.
Antiseptics. J. T. Wetherald. 48,700; renewed Jan. 9, 1926.
Baking powder. Jaques Manufacturing Company. 205,174–6; Nov. 3; Serial Nos. 214,422–4 published Aug. 4, 1925.
Chlorine, Liquid. Electro Bleaching Gas Company. 205,193–4; Nov. 3; Serial Nos. 215,201–2; published Aug. 11, 1925.
Coloring matter for butter, cheese, etc. Preservaline Manufacturing Company. 205,408; Nov. 3.
Cough balsam. Van Vleet-Mansfield Drug Co. 205,200; Nov. 3; Serial No. 215,488; published Aug. 11, 1925.
Cure for piles. Pineule Medicine Co. 45,170; renewed Aug. 8, 1925.
Dyes. Monroe Drug Company. 205,238; Nov. 3; Serial No. 210,249; published July 21, 1925.
Emollient for silling feet, Antiseptic and deodorising. Farwell Laboratories. 205,187; Nov. 3; Serial No. 215,062; published Aug. 4, 1925.
Hair grower, hairdressing, and follicle oil. E. L. Sewell. 205,389; Nov. 3.
Insecticides. Talbot Manufacturing Co. 205,257; Nov. 3; Serial No. 216,235; published Aug. 4, 1925.
Liniment. W. J. L. Carter. 205,218; Nov. 3; Serial No. 207,614; published Aug. 11, 1925.
Liquids, pastes, and powders for the skin, teeth, and hair and perfumeries. J. Van Praagh. 205,214; Nov. 3; Serial No. 208,541; published Aug. 11, 1925.
Medicinal and pharmaceutical preparations. J. Silverman. 205,206; Nov. 3; Serial No. 198,480; published Aug. 11, 1925.

Medicinal compounds suitable for the treatment of corns, colds, etc. M. S. Neiman. 205,260; Nov. 3; Serial No. 216,281; published Aug. 4, 1925.
Medicinal preparations. M. A. Nigro. 205,413; Nov. 3.
Medicinal preparations. William R. Warner & Co. 49,820; renewed Feb. 20, 1926.
Medicine specific. Pabst Chemical Company. 45,788; renewed Aug. 29, 1925.
Oils. Kickapoo Indian Medicine Co. 48,445; renewed Dec. 26, 1925.
Pastils for the throat. H. Jaegerstrom. 205,417; Nov. 3.
Perfumes and the like. Preparations for scenting. M. Naef & Co. 205,253–5; Nov. 3; Serial Nos. 216,201–3; published Aug. 4, 1925.
Perfumery and cosmetics. L. Scherk. 205,120–1; Nov. 3; Serial Nos. 179,964–5; published Aug. 11, 1925.
Preparation for the treatment of asthma. J. K. Brater. 205,250; Nov. 3; Serial No. 216,086; published Aug. 11, 1925.
Preparation for the treatment of certain named diseases. E. E. Sutherland Medicine Co. 48,951; renewed Jan. 16, 1926.
Preparation for the treatment of whooping cough, croup, pneumonia, etc. C. D. Jordan. 205,199; Nov. 3; Serial No. 215,466; published Aug. 11, 1925.
Remedies for liver ailments. R. Conn. 205,138; Nov. 3; Serial No. 211,834; published Aug. 11, 1925.
Remedy for asthma and cough and white salve. J. P. Brumfield. 205,409; Nov. 3.
Remedy for certain named diseases. Capudine Chemical Company. 48,911; renewed Jan. 16, 1926.
Remedy for certain named diseases. A. G. Groblewski. 45,308; renewed Aug. 8, 1925.
Salve or healing balm. W. Golden. 205,182; Nov. 3; Serial No. 214,957; published Aug. 4, 1925.
Silk, Product for weighting and adding body to. Onyx Oil & Chemical Co. 205,262; Nov. 3; Serial No. 216,355; published Aug. 4, 1925.
Skin tonic. J. Brueck. 205,204; Nov. 3; Serial No. 200,133; published Aug. 11, 1925.
Surgical dressing. Antiseptic. National Safety First Aid Kit Co. 205,310; Nov. 3; Serial No. 215,647; published Aug. 4, 1925.
Toilet articles. Les Parfums de Rosine. 205,103–4; Nov. 3; Serial Nos. 198,372–3; published Aug. 11, 1925.
Toilet articles. Les Parfums de Rosine. 205,105–14; Nov. 3; Serial Nos. 198,361–70; published Apr. 11, 1925.
Toilet articles. Les Parfums de Rosine. 205,208–10; Nov. 3; Serial Nos. 198,374–6; published Aug. 11, 1925.
Tonic and detoxicant, Regulating. Oceano Products Company. 205,261; Nov. 3; Serial No. 216,353; published Aug. 18, 1925.

CLASS 7.

Rope, cord, and twine. Schlichter Jute Cordage Co. 48,743; renewed Jan. 9, 1926.
Twine. P. E. Cooper. 48,195; renewed Dec. 19, 1925.

CLASS 8.

Pipes, cigar and cigarette holders, etc. S. Gordon. 205,383; Nov. 3.
Smoking sets. Elgin American Manufacturing Co. 205,407; Nov. 3.

CLASS 11.

Carbon paper. C. R. Leonard. 205,402; Nov. 3.
Paper stamping leaf. R. W. Grauert. 205,361; Nov. 3; Serial No. 214,357; published Aug. 4, 1925.

CLASS 12.

Asphaltum. C. P. Hall. 205,178; Nov. 3; Serial No. 214,359; published Aug. 11, 1925.
Cement, Portland. German-American Portland Cement Works. 48,244; renewed Dec. 19, 1925.
Cement, Portland. San Antonio Portland Cement Co. 205,311; Nov. 3; Serial No. 215,756; published Aug. 11, 1925.
Cement recoating for stucco. Roxement Company. 205,184; Nov. 3; Serial No. 214,975; published Aug. 18, 1925.
Construction materials. Keystone Roofing Manufacturing Company. 205,416; Nov. 3.
Insulation, Corkboard. Armstrong Cork and Insulation Company. 205,323; Nov. 3; Serial No. 216,008; published Aug. 18, 1925.
Lumber and lumber products. Beaver Lumber Company. 205,252; Nov. 3; Serial No. 216,136; published Aug. 18, 1925.
Weather strips. Hoffbauer Company. 205,188; Nov. 3; Serial No. 215,009; published Aug. 11, 1925.

CLASS 13.

Bolts, Tire. Russell, Burdsall & Ward Bolt & Nut Co. 48,695; renewed Jan. 9, 1926.
Cooking utensils. Griswold Manufacturing Company. 205,244; Nov. 3; Serial No. 216,040; published Aug. 18, 1925.
Culvert pipe, Cast-iron. Alabama Pipe Company. 205,322; Nov. 3; Serial No. 216,007; published Aug. 18, 1925.
Gas-main stoppers. P. Goodman. 205,375; Nov. 3.
Nails, Horse. Standard Horse Nail Company. 46,806; renewed Oct. 10, 1925.
Nails, Horse. Standard Horse Nail Company. 46,808–12; renewed Oct. 10, 1925.
Nails, Horse. Standard Horse Nail Company. 46,991; renewed Oct. 17, 1925.
Nails, Horse. Standard Horse Nail Company. 47,011; renewed Oct. 17, 1925.
Racks to hold shoes. R. Brunson. 205,073; Nov. 3; Serial No. 216,964; published Aug. 25, 1925.
Shower-bath curtains. Protexwel Corporation. 205,237; Nov. 3; Serial No. 210,404; published Aug. 18, 1925.
Tubes, Brass. Anaconda Copper Mining Company. 205,074; Nov. 3; Serial No. 216,866; published Aug. 25, 1925.
Valves and cocks. A. B. Jenkins. 48,373; renewed Dec. 26, 1925.

CLASS 14.

Alloy and articles of which such alloy forms a part, Metallic. Riverside Metal Co. 48,706; renewed Jan. 9, 1926.

CLASS 15.

Gasoline. L. E. Gibson. 205,224; Nov. 3; Serial No. 206,165; published Aug. 18, 1925.
Graphite, graphite grease and lubricant, Lubricating. United States Graphite Co. 205,119; Nov. 3; Serial No. 194,086; Aug. 18, 1925.
Grease, Lubricating. Adam Cook's Sons. 49,636; renewed Feb. 13, 1926.
Oil, Lubricating. Crescent Oil Company. 205,170; Nov. 3; Serial No. 214,650; published Aug. 18, 1925.
Oil, Lubricating. Prime-Miller Petroleum Company. 205,321; Nov. 3; Serial No. 215,994; published Aug. 11, 1925.
Oil, Motor fuel. W. H. Godfrey. 205,419; Nov. 3.
Oils, greases, and compounds, Lubricating. Caspar Lubricants, Inc. 205,344; Nov. 3; Serial No. 190,575; published May 19, 1925.
Oils, Petroleum lubricating. Gulf Refining Company. 48,787; renewed Jan. 16, 1926.
Petroleum oils and greases for lubricating purposes. Kentucky Consumers Oil Co. 205,308; Nov. 3; Serial No. 215,633; published Aug. 18, 1925.

CLASS 16.

Paint, Mineral. Chattanooga Paint Co. 49,634; renewed Feb. 13, 1926.
Paints, Mixed. Chicago White Lead & Oil Co. 205,412; Nov. 3.
Paints, Ready-mixed. Paragon Paint & Varnish Corporation. 205,396; Nov. 3.
Paints, varnishes, colors, fillers, etc. Thomson Wood Finishing Co. 48,833; renewed Jan. 16, 1926.
Varnishes. Chas. B. Gillespie & Sons. 45,053; renewed Aug. 1, 1925.

CLASS 17.

Cigars. Havana Commercial Company. 48,788; renewed Jan. 16, 1926.
Cigars, Havana. Havana Commercial Company. 49,875; renewed Feb. 6, 1926.

CLASS 19.

Automobiles and constructive parts thereof. Locomobile Company of America Incorporated. 205,124; Nov. 3; Serial No. 213,514; published Aug. 18, 1925.
Boats, Observation. Se-Bot-M Boat Co. 205,405; Nov. 3.
Shock absorbers. Super Shock Absorber Co. 205,085; Nov. 3; Serial No. 216,124; published Aug. 18, 1925.
Trucks, Motor. International Motor Company. 205,100; Nov. 3; Serial No. 202,505; published Aug. 18, 1925.
Wheels. Bassick Company. 205,149; Nov. 3; Serial No. 213,761; published Aug. 11, 1925.

CLASS 21.

Aerial masts. I. B. Eppenstein. 205,295; Nov. 3; Serial No. 215,684; published Aug. 4, 1925.
Christmas-tree electric lights. M. Propp Co. 205,117; Nov. 3; Serial No. 194,616; published July 14, 1925.
Conduit, Nonmetallic flexible. Middlesex Manufacturing Company. 205,292; Nov. 3; Serial No. 215,378; published Aug. 4, 1925.
Electric apparatus, machines, and supplies. De Jon Electric Corporation. 205,403; Nov. 3.
Electric machines. Diehl Manufacturing Company. 49,433; renewed Feb. 6, 1926.
Electron-tube sockets, condensers, and inductance coils. General Instrument Corporation. 205,385; Nov. 3.
Grid leak and grid condensers, Combined. Daven Radio Corporation. 205,297; Nov. 3; Serial No. 215,895; publisher Aug. 4, 1925.
Insecticides, Machines for distributing powder. Comet Electric Co. 205,130; Nov. 3; Serial No. 212,174; published Aug. 18, 1925.
Lamps, Switch for the lighting circuits of motor-vehicle head. Kur-Te-Cee Switch Mfg. Co. 205,339; Nov. 3; Serial No. 197,761; publisher Aug. 11, 1925.
Loud speakers, head sets, radio receiving sets, etc. Tower Manufacturing Corporation. 205,283–4; Nov. 3; Serial Nos. 214,104–5; published Aug. 4, 1925.



Magnetic actuators for sound reproducers. Teagle Company. 205,336; Nov. 3; Serial No. 206,382; published Aug. 4, 1925.
Mica plates, tapes, disks, and films. William Brand & Co. 205,345; Nov. 3; Serial No. 179,088; published Aug. 11, 1926.
Radio receiving, detecting, and transmitting apparatus and parts thereof. Garod Corporation. 205,334; Nov. 3; Serial No. 209,571; published Aug. 11, 1925.
Radio receiving sets. H. F. Felch. 205,332; Nov. 3; Serial No. 212,130; published Aug. 11, 1925.
Radio receiving sets and parts thereof. Advance Automobile Accessories Corp. 205,291; Nov. 3; Serial No. 215,229; published Aug. 4, 1925.
Radio receiving sets, radio parts and supplies. S. O. S. Radio Corporation. 205,331; Nov. 3; Serial No. 212,301; published Aug. 11, 1925.
Radio sets, radio receiving sets, loud speakers, etc. Lytton, Inc. 205,240; Nov. 3; Serial No. 209,999; published May 26, 1925.
Spark plugs. C. A. Schreiber. 205,296; Nov. 3; Serial No. 215,757; published Aug. 4, 1925.
Time-limit mechanisms and automatic circuit breakers. Cutler Electrical and Manufacturing Company. 205,289; Nov. 3; Serial No. 214,856; published Aug. 4, 1925.
Traffic signals and for terminal connecters for electrical purposes, Electrical. Winooski Electric Manufacturing Company. 205,290; Nov. 3; Serial No. 215,224; published Aug. 4, 1925.

CLASS 22.

Balls, Billiard and pocket-billiard. Brunswick-Balke-Collender Company. 205,346; Nov. 3; Serial No. 217,068; published Aug. 25, 1925.
Bats, Baseball. Hillerich & Bradsby Co. 205,317; Nov. 3; Serial No. 215,919; published Aug. 18, 1925.
Bats, Baseball. Hillerich & Bradsby Co. 205,318; Nov. 3; Serial No. 215,920; published Aug. 18, 1925.
Bats, Baseball. Hillerich & Bradsby Co. 205,319; Nov. 3; Serial No. 215,928; published Aug. 18, 1925.
Cards, Playing. A. Dougherty. 49,426; renewed Feb. 6, 1926.
Fishing lines. United States Whip Company. 205,246–8; Nov. 3; Serial Nos. 216,075–7 published Aug. 18, 1925.
Fishing lines. United States Whip Company. 205,304; Nov. 3; Serial No. 217,118; published Aug. 25, 1925.
Fishlines. Shapleigh Hardware Company. 205,421; Nov. 3.
Games. Parker Brothers. 205,362; Nov. 3; Serial No. 213,399; published Aug. 25, 1925.
Golf bags. Nesser & Company. 205,384; Nov. 3.
Golf balls. Davega, Inc. 205,306; Nov. 3; Serial No. 215,555; published Aug. 18.
Golf balls. May & Malone. 205,245; Nov. 3; Serial No. 216,060; published Aug. 18, 1925.
Golf clubs. Great Lakes Golf Corporation. 205,349; Nov. 3; Serial No. 216,778; published Aug. 25, 1925.
Puzzle blocks. J. Nierodka. 205,303; Nov. 3; Serial No. 217,108; published Aug. 25, 1925.
Toys, Mechanical. Huber-Sweet Mfg. Co. 205,180; Nov. 3; Serial No. 214,322; published Aug. 18, 1925.

CLASS 23.

Agitators, sewage clarifiers, etc. Dorr Company. 205,320; Nov. 3; Serial No. 215,970; published Aug. 18, 1925.
Blowpipe systems and dust collectors. Gate City Blow Pipe Company. 205,418; Nov. 3.
Carburetors, manifolds, and carburetor systems. Swan Carburetor Company. 205,197; Nov. 3; Serial No. 215,321; published Aug. 18, 1925.
Chisels, screw drivers, etc., Socket firmer. Tuck Manufacturing Company. 205,411; Nov. 3.
Coal cutters and loading machines and parts thereof. Goodman Manufacturing Company. 205,233; Nov. 3; Serial No. 211,093; published Aug. 18, 1925.
Distributors, mixers, and grinders, Fertilizer. Hartsville Manufacturing Company. 205,399; Nov. 3.
Flour-milling and bakers' machinery. Peerless Bread Machine Company. 205,127; Nov. 3; Serial No. 212,635; published Aug. 18, 1925.
Grease cups. Lunkenheimer Company. 48,385; renewed Dec. 26, 1925.
Grease retainers. Non-Leak Grease Retainer Co. 205,423; Nov. 3.
Hammers, sledges, hatchets, axes, etc. American Hammer Corporation. 205,161; Nov. 3; Serial No. 213,156; published Aug. 18, 1925.
Knife and saw handles, gears, dashpots, etc. Bakelite Corporation. 205,129; Nov. 3; Serial No. 212,531; published Aug. 18, 1925.
Motors, door and step motors, door shoes, etc., Pneumatic. National Pneumatic Company. 205,151; Nov. 3; Serial No. 213,723; published Aug. 18, 1925.
Mowers, Lawn. A. B. Case. 50,038; renewed Feb. 27, 1926.
Pistons. Dyer Company. 205,427; Nov. 3.
Pumps and pump parts. Sterling Pump Works, Inc. 205,398; Nov. 3.
Pumps, Centrifugal. Pettibone Mulliken Co. 205,422; Nov. 3.
Pumps for internal-combustion engines, Fuel. Ireland & Matthews Manufacturing Company. 205,145; Nov. 3; Serial No. 214,164; published Aug. 18, 1925.
Pumps, Motor-vehicle water. Castle Foundry Company. 205,391; Nov. 3.
Razors. Alexis Witte Cutlery Co. 205,249; Nov. 3; Serial No. 216,083; published Aug. 18, 1925.
Razors. Curvfit Razor Company. 205,305; Nov. 3; Serial No. 215,553; published Aug. 18, 1925.
Record-resurfacing and record-shaving machines. Dictaphone Corporation. 205,195; Nov. 3; Serial No. 215,234; published Aug. 18, 1925.
Saws. E. C. Atkins & Company. 48,370; renewed Dec. 26, 1925.
Sewing machines and attachments. Abraham & Straus. 48,362; renewed Dec. 26, 1925.
Shovels, Handles for. Keystone Handle Company. 205,309; Nov. 3; Serial No. 215,634; published Aug. 18, 1925.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 48,209; renewed Dec. 19, 1925.
Stationery and check dispensing machines and advertising and hosiery inspection machines. Bar-Trex Manufacturing Co. 205,324; Nov. 3; Serial No. 216,009; published Aug. 18, 1925.
Twyers. Champion Blower & Forge Company. 49,691; renewed Feb. 13, 1926.
Water softeners. R. J. Held. 205,181; Nov. 3; Serial No. 214,321; published Aug. 18, 1925.
Windmills. Stover Manufacturing & Engine Company. 205,146; Nov. 3; Serial No. 213,932; published July 21, 1925.

CLASS 24.

Washing machines, Clothes. Wright & Wright, Inc. 205,094; Nov. 3; Serial No. 213,341; published Aug. 25, 1925.

CLASS 25.

Lock sets. Schlage Company. 205,373; Nov. 3.

CLASS 26.

Adding and listing machines. Corona Typewriter Company. 205,066; Nov. 3; Serial No. 217,393; published Aug. 25, 1925.
Measuring distances, Apparatus for. Submarine Signal Corporation. 205,312; Nov. 3; Serial No. 215,833; published Aug. 18, 1925.
Weighing machinery. Henry Pooley & Son, Limited. 205,215; Nov. 3; Serial No. 208,257; published Aug. 18, 1925.
Weighing machines. W. & T. Avery, Limited. 205,217; Nov. 3; Serial No. 208,218; published Aug. 18, 1925.

CLASS 27.

Clocks. Sessions Clock Company. 205,392; Nov. 3.
Clocks and watches. New Haven Clock Co. 205,887; Nov. 3.
Watchcases. Dueber Watch Case Mfg. Co. 45,256; renewed Aug. 8, 1925.
Watches and parts of watches. Colombo & Guenin, Fabrication de la Montre Colgor (Colombo & Guenin, Colgor Watch Co.). 205,395; Nov. 3.

CLASS 28.

Finger rings and ring mountings. Wexler Brothers. 205,090; Nov. 3; Serial No. 214,525; published Aug. 11, 1925.
Jewelry. H. F. Pierce. 205,088; Nov. 3; Serial No. 215,176; published Aug. 25, 1925.
Jewelry. F. H. Wittstein. 205,340; Nov. 3; Serial No. 196,582; published Aug. 11, 1925.
Pearls and pearl necklaces. W. L. Goque. 205,337; Nov. 3; Serial No. 203,514; published Aug. 11, 1925.
Pin retainers. G. J. Capewell, jr. 48,631; renewed Jan. 9, 1926.
Rings, bracelets, bar pins, etc., Finger. Milton L. Ernst Inc. 205,086; Nov. 3; Serial No. 215,852; published Aug. 18, 1925.
Silver-plated hollow ware. Farber Brothers. 205,093; Nov. 3; Serial No. 213,703; published Aug. 11, 1925.
Silver, silver dishes, lockets, jewel boxes, etc. A. Burnstine. 205,341; Nov. 3; Serial No. 196,005; published Aug. 18, 1925.

CLASS 29.

Brush backs and handles. Bakelite Corporation. 205,275; Nov. 3; Serial No. 216,819; published Aug. 18, 1925.
Brushes. John L. Whiting & Son Co. 48,820; renewed Jan. 16, 1926.
Brushes, Kitchen. A. & J. Manufacturing Co. 205,325–6; Nov. 3; Serial Nos. 213,471–2; published Aug. 25, 1925.
Brushes, Lather. Rubber and Celluloid Harness Trimming Co. 48,640; renewed Jan. 9, 1926.
Brushes, Paint and varnish. Bigelow Brush Company. 205,278; Nov. 3; Serial No. 217,005; published Aug. 18, 1925.
Mops, Floor. Blakesley Novelty Company. 205,280; Nov. 3; Serial No. 217,066; published Aug. 18, 1925.
Toothbrushes. New York Merchandise Company. 205,276; Nov. 3; Serial No. 216,926; published Aug. 18, 1925.
Toothbrushes. P. B. T. Williams. 205,368; Nov. 3.
Toothbrushes. I. H. Winter. 205,294; Nov. 3; Serial No. 215,495; published Aug. 25, 1925.

CLASS 32.

Cushions, India-rubber inflatable. David Moseley & Sons, Limited. 205,148; Nov. 3; Serial No. 213,852; published Aug. 4, 1925.
Davenport. Troy Sunshade Co. 205,225; Nov. 3; Serial No. 205,799; published Aug. 18, 1925.
Filing cabinets. Pressteel Engineering Corporation. 205,157; Nov. 3; Serial No. 213,404; published Aug. 4, 1925.
Mattresses. Electric City Mattress Works, Inc. 205,286; Nov. 3; Serial No. 214,592; published Aug. 18, 1925.
Mattresses. Sealy Mattress Company of Sugar Land, Texas. 205,333; Nov. 3; Serial No. 211,805; published Aug. 18, 1925.

CLASS 33.

Glass bottles, flasks, jars, jugs, and decanters. Turner Brothers Company. 205,166; Nov. 3; Serial No. 214,759; published Aug. 18, 1925.

CLASS 34.

Candle holders. De Nicola & Valenti. 205,230; Nov. 3; Serial No. 201,289; published Aug. 11, 1925.
Heaters and parts and accessories therefor, Gas water. Sands Manufacturing Company. 205,147; Nov. 3; Serial No. 213,923; published Aug. 18, 1925.
Heaters and parts and accessories, Gas water. Sands Manufacturing Company. 205,159; Nov. 3; Serial No. 213,198; published Aug. 18, 1925.
Ranges, stoves, and heaters. Majestic Manufacturing Company. 45,252; renewed Aug. 8, 1925.
Ranges, stoves, and heaters. Majestic Manufacturing Company. 45,638; renewed Aug. 22, 1925.
Stoves and ranges, Cooking. Birmingham Stove & Range Co. 205,363; Nov. 3; Serial No. 198,697; published Jan. 6, 1925.
Stoves and ranges, Gas. Sunray Stove Company. 205,342; Nov. 3; Serial No. 195,921; published July 8, 1924.
Stoves, Gas heating and cooking. Odin Stove Manufacturing Company. 205,314–15; Nov. 3; Serial Nos. 215,879–4; published Aug. 11, 1925.
Stoves, ranges, furnaces, and parts thereof. Scranton Stove Works. 48,940; renewed Jan. 16, 1926.
Welding and metal-cutting equipment. Rhode Island Welding Co. 205,207; Nov. 3; Serial No. 198,424; published Aug. 18, 1925.

CLASS 35.

Belting and balata, rubber, and fabric valves. Balata. H. Rost & Co. 205,231; Nov. 3; Serial No. 211,227; published Aug. 18, 1925.
Belting and valves, Balata. H. Rost & Co. 205,141; Nov. 3; Serial No. 211,228; published Aug. 4, 1925.
Beltings, Leather. American Oak Leather Company. 48,809; renewed Jan. 16, 1926.
Hose, Linen fire. Fenwick-Reddaway Manufacturing Company. 205,232; Nov. 3; Serial No. 211,160; published Aug. 18, 1925.
Packing. Garlock Packing Company. 48,356; renewed Dec. 26, 1925.
Rubber articles, Repair kits for. Finch-Walker Manufacturing Co. 205,142; Nov. 3; Serial No. 214,316; published Aug. 4, 1925.

CLASS 36.

Accordions, blow accordions, and mouth harmonicas. Progressive Musical Instrument Corporation. 205,221; Nov. 3; Serial No. 207,523; published Aug. 25, 1925.
Banjo heads and drumheads. Progressive Musical Instrument Corporation. 205,220; Nov. 3; Serial No. 207,524; published Aug. 25, 1925.
Guitars and mandolins. Progressive Musical Instrument Corporation. 205,222–3; Nov. 3; Serial Nos. 207,517–18; published Aug. 25, 1925.
Harmonicas and accordions, Mouth. M. Hohner, Inc. 205,287; Nov. 3; Serial No. 214,598; published Aug. 11, 1925.
Musical instruments, Stringed. Bosstone Company. 205,089; Nov. 3; Serial No. 214,640; published Aug. 11, 1925.
Phonographs. James K. Polk Inc. 205,328; Nov. 3; Serial No. 213,143; published Aug. 11, 1925.
Phonographs. Wolf Manufacturing Industries. 205,343; Nov. 3; Serial No. 192,348; published Aug. 11, 1925.
Phonographs, needles, and record albums. Brunswick-Balke-Collender Company. 205,099; Nov. 3; Serial No. 202,549; published Aug. 11, 1925.
Saxophones. Fred. Gretsch Mfg. Co. 205,087; Nov. 3; Serial No. 215,742; published Aug. 18, 1925.
Talking machines and phonographs and parts thereof, disks, etc. Carl Lindström Aktiengesellschaft. 205,097; Nov. 3; Serial No. 212,388; published Aug. 18, 1925.
Talking machines and phonographs and parts thereof, disks, etc. Carl Lindström Aktiengesellschaft. 205,400–1; Nov. 3.
Ukuleles, banjos, guitars, etc. C. Bruno & Son, Inc. 205,269–71; Nov. 4; Serial Nos. 216,584–6; published Aug. 18, 1925.
Violin bridges, mandolin keys, piano keys, etc. Bakelite Corporation. 205,096; Nov. 3; Serial No. 212,524; published Aug. 11, 1925.
Violin strings. Progressive Musical Instrument Corporation. 205,219; Nov. 3; Serial No. 207,525; published Aug. 25, 1925.
Violin strings. Progressive Musical Instrument Corporation. 205,335; Nov. 3; Serial No. 207,522; published Aug. 25, 1925.
Violins and pianos. R. F. Pecina. 205,101; Nov. 3; Serial No. 201,372; published Aug. 18, 1925.
Violins, mandolins, guitars, etc., Strings for. Waverly Musical Products Co. 205,386; Nov. 3.

CLASS 37.

Crayons, Wax and chalk. Standard Crayon Manufacturing Co. 205,263; Nov. 3; Serial No. 216,365; published Aug. 4, 1925.
Envelopes, letterheads, and correspondence cards, Mailing. Silvertone Stationery Company. 205,236; Nov. 3; Serial No. 210,579; published Aug. 11, 1925.
Eyelets. Edward L. Sibley Manufacturing Company. 205,158; Nov. 3; Serial No. 213,324; published Aug. 4, 1925.
Files and filing folders and wrappers. H. A. Stern. 205,196; Nov. 3; Serial No. 215,318; published Aug. 11, 1925.
Paper clips. L. F. Grammes & Sons, Inc. 205,154; Nov. 3; Serial No. 213,570; published Aug. 4, 1925.
Paper covers for toilet seats. B. L. Heebner. 205,216; Nov. 3; Serial No. 208,241; published Aug. 4, 1925.
Paper for printing and writing. Graham Paper Company. 205,241; Nov. 3; Serial No. 209,654; published Aug. 4, 1925.
Paper, Mulching. National Paper Products Company. 205,155; Nov. 3; Serial No. 213,520; published Aug. 4, 1925.
Paper napkins and toilet paper. Service Grocer Company. 205,265; Nov. 3; Serial No. 216,480; published Aug. 4, 1925.
Paper towels and napkins, Combination of. Sauquoit Paper Co. 205,268; Nov. 3; Serial No. 216,562; published Aug. 4, 1925.
Paper, Wall. Remien & Kuhnert Co. 205,366; Nov. 3.
Paper, Wrapping. Nekoosa-Edwards Paper Company. 205,192; Nov. 3; Serial No. 215,167; published Aug. 4, 1925.
Pencils. Gipsy Trail Camp and Country Club, Inc. 205,125; Nov. 3; Serial No. 212,915; published Aug. 11, 1925.
Pens, Fountain. L. E. Waterman Company. 48,230; renewed Dec. 19, 1925.
Sharpeners, Pencil. Hayes-Meserole Manufacturing Co. 205,316; Nov. 3; Serial No. 215,915; published Aug. 11, 1925.
Tags. H. Lissner. 205,239; Nov. 3; Serial No. 210,176; published Aug. 18, 1925.
Type, Rubber. Jas. H. Matthews & Co. 205,177; Nov. 3; Serial No. 214,373; published Aug. 11, 1925.

CLASS 38.

Advertising and other matter, Printed. Signature Advertising Service. 205,234; Nov. 3; Serial No. 211,058; published Aug. 18, 1925.
Books, Rebound. Chivers Book Binding Co. 205,420; Nov. 3.
Magazine, Monthly. Ohio Federation of Women's Clubs. 205,235; Nov. 3; Serial No. 210,745; published May 26, 1925.
Magazines or periodicals, Monthly. Service Bulletin, Inc. 205,307; Nov. 3; Serial No. 215,596; published Aug. 11, 1925.
Newspaper, Daily. Worcester Post Company. 205,258; Nov. 3; Serial No. 216,248; published Aug. 18, 1925.
Silhouette designs and figures, Paper and cloth. B. Sherman. 205,139; Nov. 3; Serial No. 211,807; published Aug. 18, 1925.

CLASS 39.

Boots and shoes, Leather. A. H. Berry Shoe Company. 49,755; renewed Feb. 13, 1926.
Boots, shoes, and slippers. Wingo, Ellett & Crump Shoe Co. 48,839; renewed Jan. 16, 1926.
Clothing, Oiled. A. J. Tower Co. 48,337; renewed Dec. 26, 1925.
Corsets, belts, brassières, etc. Royal Worcester Corset Company. 205,118; Nov. 3; Serial No. 194,304; published Aug. 18, 1925.
Cravats and neckties. M. P. Cohen. 205,185; Nov. 3; Serial No. 214,999; published Aug. 18, 1925.
Dresses. H. D. Merblum. 205,359; Nov. 3; Serial No. 215,016; published July 28, 1925.
Frocks, dresses, bridal gowns, suits, etc. Kiviette, Inc. 205,330; Nov. 3; Serial No. 212,931; published Aug. 18, 1925.
Hosiery. C. Brand. 205,285; Nov. 3; Serial No. 214,396; published July 28, 1925.
Hosiery. Lido Hosiery Shops, Inc. 205,190; Nov. 3; Serial No. 215,073; published Aug. 11, 1925.
Hosiery. W. J. McClelland. 205,156; Nov. 3; Serial No. 213,449; published Aug. 18, 1925.
Hosiery. True Shape Hosiery Company. 205,126; Nov. 3; Serial No. 212,705; published Aug. 18, 1925.
Hosiery, bloomers, vests, corsets, etc. Holland, Hessol & Caplin Co. 205,189; Nov. 3; Serial No. 215,070; published Aug. 11, 1925.



Overalls, coats, pants, and combination suits. Elin and Golub. 205,202; Nov. 3; Serial No. 201,026; published Aug. 18, 1925.
Supporters for hose, skirts, etc. Clark Manufacturing Company. 44,522; renewed July 11, 1925.
Underwear and garters for women and misses, Knitted and netted. Lady Fair Corporation. 205,169; Nov. 3; Serial No. 214,669; published Aug. 4, 1925.
Vests, Ladies'. Manheim Underwear Company. 205,116; Nov. 3; Serial No. 197,889; published Aug. 11, 1925.

CLASS 42.

Cotton and silk piece goods, handkerchiefs, quilts, etc. Samuel Heap & Son Limited. 205,364; Nov. 3; Serial No. 197,078; published Aug. 25, 1925.
Cotton piece goods. Mooresville Cotton Mills. 205,211–12; Nov. 3; Serial Nos. 209,996–7; published Aug. 18, 1925.
Cotton piece goods. Renfrew Manufacturing Company. 48,645; renewed Jan. 9, 1926.
Cotton piece goods. M. W. Ryan. 205,168; Nov. 3; Serial No. 214,690; published Aug. 18, 1925.
Cotton piece goods. M. W. Ryan. 205,414; Nov. 3.
Cotton piece goods. Spartan Mills. 205,404; Nov. 3.
Cotton piece goods. F. U. Stearns & Company. 205,272; Nov. 3; Serial No. 216,748; published Aug. 18, 1925.
Cotton piece goods. J. L. Stifel & Sons. 205,227; Nov. 3; Serial No. 204,681; published Aug. 18, 1925.
Cotton piece goods. James F. White & Co. 205,394; Nov. 3.
Cotton piece goods. James F. White & Co. 205,397; Nov. 3.
Draperies and upholsteries, Cotton, and cotton and silk. Manville Jenckes Company. 205,078; Nov. 3; Serial No. 209,305; published Aug. 25, 1925.
Duck and drill goods, White. M. Snower & Co. 205,080; Nov. 3; Serial No. 190,617; published Aug. 25, 1925.
Sheetings. Minot, Hooper & Co. 48,159; renewed Dec. 12, 1925.
Sheets and pillowcases. Jordan Marsh Company. 205,273; Nov. 3; Serial No. 216,785; published Aug. 18, 1925.
Sheets, pillowcases, and piece goods of linen, cotton, canvas, and sailcloth. Lamport Mfg. Supply Co. 205,172; Nov. 3; Serial No. 214,555; published Aug. 18, 1925.
Silk and cotton goods in the piece. Wm. Simpson, Sons & Co. 205,300–1; Nov. 3; Serial Nos. 216,484–5; published Aug. 25, 1925.
Silk and woollen knitted cloth in the piece. W. Heller. 205,281; Nov. 3; Serial No. 217,097; published Aug. 18, 1925.
Silk fabrics in the piece. Corticelli Silk Company. 205,388; Nov. 3.
Silk fabrics in the piece. Heminway Silk Co. 205,198; Nov. 3; Serial No. 215,409; published Aug. 18, 1925.
Silk piece goods. Louis Roessel & Co. 205,367; Nov. 3.
Wool piece goods. Roubaix Mills, Inc. 205,160; Nov. 3; Serial No. 213,193; published Aug. 18, 1925.
Woolen, cotton, and woolen and cotton piece goods. Atlantic Mills. 205,203; Nov. 3; Serial No. 200,601; published Aug. 18, 1925.
Woolen piece goods. Co-Operative Wholesale Society Limited. 205,226; Nov. 3; Serial No. 205,474; published Aug. 18, 1925.
Worsted and woolen textile fabrics. Holden-Leonard Co. 205,299; Nov. 3; Serial No. 216,340; published Aug. 25, 1925.

CLASS 43.

Spool cotton. John J. Clark & Co. 48,622; renewed Jan. 9, 1926.
Thread. Elmore Company. 205,098; Nov. 3; Serial No. 212,071; published Aug. 25, 1925.
Thread. Elmore Company. 205,131; Nov. 3; Serial No. 212,075; published Aug. 18, 1925.
Thread. Elmore Company. 205,132–3; Nov. 3; Serial Nos. 212,072–3; published Aug. 18, 1925.
Thread. Elmore Company. 205,134; Nov. 3; Serial No. 212,070; published Aug. 18, 1925.
Thread. Goldin Bros., Inc. 205,213; Nov. 3; Serial No. 208,588; published Aug. 18, 1925.
Thread yarn. Elizabeth Mill Co. 49,471; renewed Feb. 6, 1926.

CLASS 44.

Belts and bandages, Surgical. Sharp & Smith. 48,805; renewed Jan. 16, 1926.
First-aid packets. Bauer & Black. 205,347; Nov. 3; Serial No. 217,064; published Aug. 25, 1925.
Pads used as mattress protectors. R. H. Macy & Co. 205,115; Nov. 3; Serial No. 198,078; published Aug. 18, 1925.
Prophylactic membranous articles. L. Hilsenbeck. 205,201; Nov. 3; Serial No. 215,513; published Aug. 18, 1925.
Radium pinques, ozonizing apparatus, X-ray screens, etc. Bakelite Corporation. 205,348; Nov. 3; Serial No. 216,813; published Aug. 25, 1925.
Suspensories, Jock-strap. Sharp & Smith. 48,251; renewed Dec. 19, 1925.
Violet-ray apparatus. Eastern Laboratories, Inc. 205,242–3; Nov. 3; Serial Nos. 216,029–30; published Aug. 18, 1925.

CLASS 45.

Beverages. Austin Bottling Works. 205,274; Nov. 3; Serial No. 216,812; published Aug. 18, 1925.
Beverages, fruit drinks, etc., and sirups for making same. L. J. Rudnicki. 205,390; Nov. 3.
Beverages sold as soft drinks. B. Julius. 205,171; Nov. 3; Serial No. 214,600; published Aug. 18, 1925.
Beverages sold as soft drinks. T. B. Kane. 205,293; Nov. 3; Serial No. 215,411; published Aug. 25, 1925.
Beverages sold as soft drinks. Pan American Products Corporation. 205,264; Nov. 3; Serial No. 216,427; published Aug. 18, 1925.
Beverages sold as soft drinks. Standard Bottling Company. 205,277; Nov. 3; Serial No. 216,947; published Aug. 18, 1925.
Beverages sold as soft drinks, extracts and sirups for making the same. Whittle & Mutch, Inc. 205,266; Nov. 3; Serial No. 216,491; published Aug. 18, 1925.
Drinks, Fruit-juice powder for making soft. Merrell-Soule Company. 205,354; Nov. 3; Serial No. 215,867; published Aug. 25, 1925.
Fruit juices for making soft drinks. Resinilla Corporation. 205,355; Nov. 3; Serial No. 215,706; published Aug. 25, 1925.
Ginger ale. Jackson Brewing Company. 205,123; Nov. 3; Serial No. 216,603; published Aug. 18, 1925.
Ginger ale. White Rock Mineral Springs Company. 205,356; Nov. 3; Serial No. 215,670; published Aug. 25, 1925.
Grape juice. H. Card. 205,267; Nov. 3; Serial No. 216,503; published Aug. 18, 1925.
Pineapple speciality drink and concentrate, extract, and sirup for making same. J. L. Philippeau. 205,251; Nov. 3; Serial No. 216,116; published Aug. 18, 1925.
Sirup for soft drinks. J. Angelo. 205,288; Nov. 3; Serial No. 214,838; published Aug. 25, 1925.

CLASS 46.

Apples and pears. Fresh. Perham Fruit Company. 205,135–7; Nov. 3; Serial Nos. 212,029–31; published Aug. 18, 1925.
Apples and potatoes. Dimock Orchard Seed Potato Corporation. 205,358; Nov. 3; Serial No. 215,621; published Aug. 25, 1925.
Apples, Fresh. Red Apple Orchard Corporation. 205,143; Nov. 3; Serial No. 214,275; published July 28, 1925.
Bananas. I. R. Butzbach. 205,067; Nov. 3; Serial No. 217,254; published Aug. 25, 1925.
Bread. Bakers Service Bureau, Inc. 205,079; Nov. 3; Serial No. 207,288; published Aug. 25, 1925.
Bread. J. Tennison. 205,282; Nov. 3; Serial No. 213,866; published Aug. 18, 1925.
Butter. Cloverdale Company. 205,298; Nov. 3; Serial No. 216,257; published Aug. 18, 1925.
Candies. Cream Store, Inc. 205,370; Nov. 3.
Candy. Chandler and Rudd Company. 48,599; renewed Jan. 2, 1926.
Candy. Chandler and Rudd Company. 48,701; renewed Jan. 9, 1926.
Candy. Hawley & Hoops. 48,621; renewed Jan. 9, 1926.
Candy. Metro Chocolate Co. 205,353; Nov. 3; Serial No. 215,869; published Aug. 25, 1925.
Candy. Reymer & Brothers, Incorporated. 48,352; renewed Dec. 26, 1925.
Candy. F. B. Washburn & Company. 205,351; Nov. 3; Serial No. 216,080; published Aug. 25, 1925.
Candy, candy-coated nuts. W. Prentiss, Jr. 205,365; Nov. 3; Serial No. 194,477; published Aug. 25, 1925.
Canned berries. Everett Packing Co. 205,186; Nov. 3; Serial No. 215,061; published Aug. 18, 1925.
Canned corn. Iowa Canning Co. 205,152; Nov. 3; Serial No. 213,648; published Aug. 18, 1925.
Canned fruits. Cutler-Lobingier Packing Company. 205,360; Nov. 3; Serial No. 214,717; published Aug. 25, 1925.
Canned fruits and vegetables. F. B. Neuhoff. 205,122; Nov. 3; Serial No. 171,859; published Feb. 17, 1925.
Canned fruits and vegetables, also apricot jam. Cutler-Lobingier Packing Company. 205,167; Nov. 3; Serial No. 214,715; published Aug. 18, 1925.
Canned peaches and apricots. W. Craig Canning Company. 205,279; Nov. 3; Serial No. 217,011; published Aug. 18, 1925.
Canned salmon. Fidalgo Island Packing Company. 205,162; Nov. 3; Serial No. 214,954; published Aug. 18, 1925.
Canned salmon. Pacific American Fisheries. 48,288; renewed Dec. 19, 1925.
Canned sardines. Pacific Orient Co. 205,070; Nov. 3; Serial No. 217,110; published Aug. 25, 1925.
Cheese. Davis Bros. Cheese Co. 205,082; Nov. 3; Serial No. 216,326; published Aug. 18, 1925.
Cheese. Sego Milk Products Company. 205,410; Nov. 3.
Chocolate food, Prepared. Pure Food Laboratories Co. 205,229; Nov. 3; Serial No. 203,437; published Aug. 18, 1925.
Coffee. Jas. H. Forbes Tea & Coffee Co. 205,071; Nov. 3; Serial No. 217,088; published Aug. 25, 1925.
Coffee. Jas. H. Forbes Tea & Coffee Co. 205,072; Nov. 3; Serial No. 217,085; published Aug. 25, 1925.
Doughnuts. E. S. Goldhill. 205,077; Nov. 3; Serial No. 210,657; published Aug. 25, 1925.

Eggs. Naomi Produce Co. 205,095; Nov. 3; Serial No. 212,824; published Aug. 18, 1925.
Eggs and poultry, Fresh. C. R. Holmes. 205,228; Nov. 3; Serial No. 203,521; published Aug. 18, 1925.
Feed for animals, Mineral. Raven Mineral Manufacturing Co. 205,426; Nov. 3.
Feed for cattle, Mixed. Eastern States Farmers' Exchange. 205,415; Nov. 3.
Flavoring extracts, Food-. J. C. Ayer Company. 205,389; Nov. 3.
Flour and other mill products, Wheat. J. M. Grim. 205,338; Nov. 3; Serial No. 203,467; published Aug. 18, 1925.
Flour, Self-raising prepared buckwheat. F. C. Williams. 49,928; renewed Feb. 20, 1926.
Flour, Wheat. Empire Milling Company. 205,075; Nov. 3; Serial No. 216,264; published Aug. 25, 1925.
Flour, Wheat. Hungarian Milling & Elevator Company. 45,493; renewed Aug. 22, 1925.
Flour, Wheat. Pocatello Flour Mills Company. 205,081; Nov. 3; Serial No. 216,744; published Aug. 18, 1925.
Flour, Wheat. Portland Flour Mills Co. 205,083–4; Nov. 3; Serial Nos. 216,287–8; published Aug. 18, 1925.
Flour, Wheat. Washburn Crosby Company. 205,327; Nov. 3; Serial No. 213,467; published Aug. 18, 1925.
Food, Prepared. Societe l'Aliment Essentiel. 205,381; Nov. 3.
Foods, Stock. A. K. Zinn. 205,377; Nov. 3.
Grapes. G. W. Day. 205,424–5; Nov. 3.
Gum, Chewing. American Chicle Co. 348,239; renewed Dec. 19, 1925.
Honey, dried figs and dried apricots. A. L. Boyden. 205,376; Nov. 3.
Milk, Condensed. Jersey Star Creamery Inc. 205,179; Nov. 3; Serial No. 214,324; published Aug. 18, 1925.
Milk, Powdered skimmed. Merrell-Soule Company. 205,313; Nov. 3; Serial No. 215,860; published Aug. 18, 1925.
Milk product, Powdered. Merrell-Soule Company. 205,191; Nov. 3; Serial No. 215,164; published Aug. 18, 1925.
Molasses. Boston Molasses Co. 49,513; renewed Feb. 6, 1926.
Molasses. Eastern Refining Co. 49,918; renewed Feb. 20, 1926.
Mustard. C. Gulden. 48,460; renewed Jan. 2, 1926.
Mustard and spices. Tone Bros. 48,467; renewed Jan. 2, 1926.
Nuts, Shelled salted. E. F. Keister. 205,076; Nov. 3; Serial No. 215,516; published Aug. 25, 1925.
Onions, Fresh. N. E. Greenberger. 205,153; Nov. 3; Serial No. 213,640; published Aug. 18, 1925.
Pears, Fresh. Pioneer Fruit Company. 205,068; Nov. 3; Serial No. 217,180; published Aug. 25, 1925.
Pears, Fresh. G. Voorhies. 205,069; Nov. 3; Serial No. 217,122; published Aug. 25, 1925.
Pickles. Reid Murdoch & Co. 205,164; Nov. 3, Serial No. 214,813; published Aug. 18, 1925.
Relish, Vegetable spiced. Widlar Co. 205,393; Nov. 3.
Shortening. Interstate Cotton Oil Refining Co. 205,183; Nov. 3; Serial No. 214,961; published Aug. 18, 1925.
Shoulders, backs, hams, and bacon. Cudahy Brothers Co. 48,274; renewed Dec. 19, 1925.
Sirup, Food. W. B. Roddenbery. 205,256; Nov. 3; Serial No. 216,223; published Aug. 18, 1925.
Sirup, Malt. S. L. Goldman. 205,163; Nov. 3; Serial No. 214,863; published Aug. 18, 1925.
Soups, Condensed. Joseph Campbell Company. 48,664; renewed Jan. 9, 1926.

CLASS 48.

Beer flavoring. P. H. Fischer. 205,357; Nov. 3; Serial No. 215,625; published Aug. 25, 1925.
Beer, Lager. Adam Scheidt Brewing Co. 48,148; renewed Dec. 12, 1925.
Malt tonic. McAvoy Brewing Co. 48,504; renewed Jan. 2, 1926.
Malt tonic. McAvoy Brewing Co. 48,930; renwed Jan. 16, 1926.
Sirup, Malt and hop. Maltose Laboratories, Inc. 205,352; Nov. 3; Serial No. 215,937; published Aug. 25, 1925.

CLASS 49.

Brandies, liquors, punches, alcoholic essences and extracts. E. Braun. 205,140; Nov. 3; Serial No. 211,659; published Aug. 18, 1925.

CLASS 50.

Accounting devices. H. C. Paige. 205,379; Nov. 3.
Traps, Animal. Animal Trap Company of America. 205,406; Nov. 3.

# ALPHABETICAL LIST OF LABELS.

Black and White. For Evaporated Milk. Frank T. Stare, Inc. 29,440; Nov. 3.
Blue Band. For Evaporated Milk. Frank T. Stare, Inc. 29,442; Nov. 3.
Body Sweet. For Bath Salts. A. J. Krank Mfg. Co. 29,416; Nov. 3.
Bohack's Bread. For Bread. E. Frisch. 29,413; Nov. 3.
Commonwealth. For Coffee. H. M. B. Mack. 29,418; Nov. 3.
Fluxo The Cleanser for Toilet Bowls. For Cleansing Preparation in Powder Form Having Disinfecting and Deodorizing Properties, Useful Particularly in Bathrooms and Other Plumbing Appliances. Fluxo Products Company. 29,412; Nov. 3.
Fracy Paris France. For Face Powder. F. R. Arnold & Co. 29,406; Nov. 3.
Klean Kleaner. For Soft Hand Paste or Soap. A. N. Corkhill, jr. 29,408; Nov. 3.
Korn King. For Pop Corn. E. L. Wallace. 29,443; Nov. 3.
La-Champagne. For a Soft Drink. R. T. Jones. 29,415; Nov. 3.
Meisterbrew. For Malt Extract. J. Dunkel. 29,409; Nov. 3.
Modesto. For Canned Sliced Hawaiian Pineapple. Pratt-Low Preserving Company. 29,423; Nov. 3.
Old Rose. For Malt Extract. J. Dunkel. 29,410; Nov. 3.
Old State Capitol. For Coffee. H. M. B. Mack. 29,420; Nov. 3.
Pennsylvania Special. For Coffee. H. M. Mack. 29,419; Nov. 3.
Pom-Ora. For Canned Goods and Especially Canned Grapefruit. Pom-Ora Corporation. 29,421; Nov. 3.
Pom-Ora. For Fresh Fruit and Especially Oranges and Grapefruit. Pom-Ora Corporation. 29,422; Nov. 3.
Quality Bread. For Wheat Bread. Central Waxed Paper Co. 29,407; Nov. 3.
Rainbo White Soap Flakes. For Soap flakes. Gold Dust Corporation. 29,414; Nov. 3.
Red Band. For Evaporated Milk. Frank T. Stare, Inc. 29,441; Nov. 3.
Roman Gold. For Canned Apricots. Pratt-Low Preserving Company. 29,425; Nov. 3.
Salada—Black & Green Tea Mixed (Blue Label). For Tea. Salada Tea Company. 29,429; Nov. 3.
Salada Black Tea (Brown Label). For Tea. Salada Tea Company. 29,427; Nov. 3.
Salada Cocoa (Blue Label). For Cocoa. Salada Tea Company. 29,438; Nov. 3.
Salada Coffee (Red Label). For Coffee. Salada Tea Company. 29,439; Nov. 3.
Salada—Green Tea. (Red Label). For Tea. Salada Tea Company. 29,428; Nov. 3.
Salada Mixed Tea (Gold Label). For Black and Green Mixed Tea. Salada Tea Company. 29,431; Nov. 3.
Salada Mixed Tea (Red Label). For Black and Green Tea Mixed. Salada Tea Company. 29,434; Nov. 3.
Salada Orange Pekoe & Pekoe (Blue Label). For Black Tea. Salada Tea Company. 29,435; Nov. 3.
Salada Orange Pekoe & Pekoe (Gold Label). For Black Tea. Salada Tea Company. 29,432; Nov. 3.
Salada Orange Pekoe & Pekoe (Red Label Individual Bags). For Black Tea. Salada Tea Company. 29,433; Nov. 3.
Salada Pure Uncoloured Green Tea (Brown Label). For Green Tea. Salada Tea Company. 29,437; Nov. 3.
Salada Pure Uncoloured Green Tea (Gold Label). For Green Tea. Salada Tea Company. 29,430; Nov. 3.
Salada—Pure Uncoloured Green Tea (Red Label). For Tea. Salada Tea Company. 29,426; Nov. 3.
Salada Tea (Brown Label). For Black and Green Tea Mixed. Salada Tea Company. 29,436; Nov. 3.
Santa Clara Special. For Canned Crushed Hawaiian Pineapple. Pratt-Low Preserving Company. 29,424; Nov. 3.
Vanta Baby Garments. For Baby Garments. Earnshaw Knitting Co. 29,411; Nov. 3.
White Cross Malted Milk. For Malted Milk. White Cross Food Company. 29,444; Nov. 3.
White King. For Soap. Los Angeles Soap Co. 29,417; Nov. 3.

# ALPHABETICAL LIST OF PRINTS.

Abbottmaid the de luxe Ice Cream. For Ice Cream. Abbotts Alderney Dairies, Inc. 8,297; Nov. 3.
Corns Stop their pain. For Dr. Scholl's Zino Pads. Scholl Manufacturing Company. 8,306; Nov. 3.
For The Entire Family Sun-Pruf Goggles Protect Your Eyes (Man Design). For Sun-Pruf Goggles. Roslinoid Mfg. Co. 8,303; Nov. 3.
For The Entire Family Sun-Pruf Goggles Protect Your Eyes (Girl Design). For Sun-Pruf Goggles. Roslinoid Mfg. Co. 8,304; Nov. 3.
For The Entire Family Sun-Pruf Goggles Protect Your Eyes (Family Design). For Sun-Pruf Goggles. Roslinoid Mfg. Co. 8,305; Nov. 3.
Good—(wingfoot)—Year Tires At Low Prices. For Vehicle Tires Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 8,300; Nov. 3.
How much do you want to pay? We have Good (wingfoot) Year Tires At Your Price. For Vehicle Tires Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 8,301; Nov. 3.
Improve your Fords appearance With De Luxe Radiator Cap. For Radiator Caps on Ford Automobiles. Bronzo Alumina Corporation. 8,299; Nov. 3.
Keystone Varnish Co. Products. For Varnishes. Keystone Varnish Co. 8,302; Nov. 3.
Sure safe relief Corns Stop hurting in one minute. For Dr. Scholl's Zino Pads. Scholl Manufacturing Company. 8,307; Nov. 3.
What It Means To Be An Authorized Amer Tran Dealer. For Audio and Power Transformers and Choke Coils. American Transformer Co. 8,298; Nov. 3.

# CLASSIFIED LIST OF TRADE-MARK TITLES.

**PUBLISHED FOR OPPOSITION.**

**[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]**

CLASS 1.

Briquets, Fuel. Navicoal Corporation. 220,133; Nov. 3.
Foxes and fox pelts, Live. Duffus Silver Fox Corporation. 215,558; Nov. 3.
Whiting and carbonate of lime. R. T. Vanderbilt Company. 214,039; Nov. 3.

CLASS 2.

Boxes and cans, Dispensing. Idico Corporation. 219,824; Nov. 3.
Containers of paper, Ice-cream. Frank G. Shattuck Company. 219,498; Nov. 3.
Sacks and bags. Ballard & Ballard Co. 216,706; Nov. 3.

CLASS 3.

Cases for musical instruments. Pan-American Band Instrument & Case Co. 218,322; Nov. 3.

CLASS 4.

Buffing wheels. Peters Manufacturing Company. 217,896; Nov. 3.
Cloths, Scouring. Metal Textile Corporation. 219,753; Nov. 3.
Laundry and cleaning composition. C. & B. Products Co. 219,057; Nov. 3.
Soap and scouring powder. Hashemesh, Inc. 216,978; Nov. 3.
Stones and abrasive implements, Oil and sharpening. A. Goodrich, Manufacturer, Inc. 219,533; Nov. 3.

CLASS 5.

Chemical compound. Patchleseal Manufacturing Co. 218,870; Nov. 3.
Glue, Waterproof joint. L. W. Ferdinand & Co. 219,327; Nov. 3.

CLASS 6.

Alcohol, Denatured. Mason By-Products Co. 219,752; Nov. 3.
Blood coagulant. Wm. S. Merrell Company. 220,907; Nov. 3.
Bluing and ammonia. Downing Taylor Company. 219,949; Nov. 3.
Calcium carbonate. Ohio Marble Company. 220,079; Nov. 3.
Composition for facilitating the extraction of hairs from the face and hands. J. Brueck. 220,885; Nov. 3.
Compound for treating metals, Inhibiting. William W. Hearne, Inc. 220,897; Nov. 3.
Cream and talcum powder, Cold. Holman Soap Co. 212,685; Nov. 3.
Cream, face powder, rouges, and perfumes, Cold. R. D. Lorraine. 195,703; Nov. 3.
Creams, Cold and cleansing. Dr. C. H. Berry Company. 219,026; Nov. 3.
Foot powder. C. M. Paulson. 220,797; Nov. 3.
Gas-purifying material. Stauffer Chemical Co. 220,580; Nov. 3.
Hair tonic. M. Langhaus. 220,029; Nov. 3.
Insecticide. D. V. Burrell. 219,935; Nov. 3.
Insecticides. Goulard & Olena, Inc. 219,958; Nov. 3.
Laxative. J. L. Earl. 220,511; Nov. 3.
Laxative. Fig-A-Lax Corporation. 213,292; Nov. 3.
Laxative, Parke, Davis & Company. 219,907; Nov. 3.
Laxative, Liquid. Eagle Remedy Company. 220,064; Nov. 3.
Laxative nervetone compound. Equitable Investment Company. 220,844; Nov. 3.
Lotion pastes and powders for the skin, teeth, and hair, perfumeries, etc. M. Sugar. 220,044; Nov. 3.
Lotion pastes and powders for the skin, teeth, and hair, perfumeries, etc. M. Sugar. 220,046; Nov. 3.
Medicinal preparation for autointoxication and related disorders. Ehro Sulfur Laboratories Inc. 220,018; Nov. 3.
Medicinal preparation for stomach disorders. Gerlinger Drug Products Incorporated. 220,068; Nov. 3.
Medicine for diphtheria, etc. T. E. Malone. 218,317; Nov. 3.
Mouth wash. Drs. Ostrom & Meyer. 220,795; Nov. 3.
Mouth wash. R. Sugg. 219,789; Nov. 3.
Ointment for burns, etc. P. Woldan. 220,816; Nov. 3.
Perfume, hair oil, face cream, etc. Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschränkter Haftung. 220,729; Nov. 3.
Perfume, toilet powder shampoo, etc. Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn gesellschaft mit beschrankter Haftung. 220,727; Nov. 3.
Perfume, toilet powder, shampoo, etc. Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschränkter Haftung. 220,724; Nov. 3.
Perfumes, toilet water, face powder, etc. M. Babani. 220,015; Nov. 3.
Plasters for corn, bunions, and calli, and warts. Scholl Manufacturing Company. 201,469; Nov. 3.
Powder for combating injurious insects. Farbenfabriken vorm. Friedr. Bayer & Co. 220,603; Nov. 3.
Powders and creams, toilet waters, rouges, etc., Face. Vivi, Inc. 220,690; Nov. 3.
Powders, face creams, rouges, pomades, etc., Face. Godet Inc. 219,892; Nov. 3.
Preparation for kidney and bladder troubles. W. E. Kampfmuller. 220,028; Nov. 3.
Preparation of digitalis. H. K. Mulford Company. 220,788; Nov. 3.
Remedies for sleeping sickness. Farbenfabriken vorm. Friedr. Bayer & Co. 220,890; Nov. 3.
Remedies for sleeping sickness, Veterinary. Farbenfabriken vorm. Friedr. Bayer & Co. 220,891; Nov. 3.
Remedy for arteriosclerosis. P. Delouche. 218,741; Nov. 3.
Remedy for eczema, Vegetable compound used as a. J. C. Bourland. 214,395; Nov. 3.
Remedy, Pile. F. A. B. Peters. 220,569; Nov. 3.
Salve, Healing. J. D. Xenos. 219,158; Nov. 3.
Shampoo and scalp treatment. R. T. Cleary. 219,814; Nov. 3.
Tincture of digitalis. H. K. Mulford Company. 220,789; Nov. 3.

CLASS 11.

Carbon papers and typewriting ribbons. W. Koreska. 208,200; Nov. 3.
Inks, Writing. Von Rufs Ink Company. 209,184; Nov. 3.

CLASS 12.

Asphalt and compositions embodying asphalt and like materials. H. H. Robertson Company. 218,273; Nov. 3.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cement and plaster. F. Mulligan. 219,194; Nov. 3.
Concrete surfaces, Material for treating horizontal. Concrete Surface Corporation. 219,815; Nov. 3.
Ironing boards, folding seats, etc. Built-In Fixture Company. 219,934; Nov. 3.
Lumber, wood, sash, and doors, etc. E. K. Wood Lumber Company. 217,315; Nov. 3.
Paper, Reenforced. American Reenforced Paper Company. 216,810; Nov. 3.
Pipe joints and the like, Compound for sealing. Pure Asphalt Products Company. 202,078; Nov. 3.
Preparation for coating wall board, etc. Lewis & Ferro, Inc. 219,252; Nov. 3.
Wall board, heat-insulating material, shingles, etc. L. R. Skolnik. 219,608; Nov. 3.
Wall boards and sheathing, Plaster-base. Insulite Co. 201,087; Nov. 3.

CLASS 15.

Gasoline. Webaco Oil Company. 216,999; Nov. 3.
Gasoline, kerosene, lubricating oils and greases. Independent Home Oil Co. 215,071; Nov. 3.
Kerosene, fuel oils, gasoline, etc. Gilmore Oil Company. 207,501; Nov. 3.
Naphthalene and creosote oil, Sublimed and crude. Certain-teed Products Corporation. 217,450; Nov. 3.
Oiles, Motor fuel. Badische Anilin- & Soda-Fabrik. 215,962; Nov. 3.

CLASS 16.

Lead oxide. Andrews Lead Company. 215,675; Nov. 3.
Oil enamel for interior use, Processed. Remien & Kuhnert Co. 219,764; Nov. 3.
Paint, Semipaste. H. B. Davis Company. 219,616; Nov. 3.
Paints varnishes, oil colors, etc. Holland Varnish Company. 206,668; Nov. 3.
Shellac and shellac substitutes, Prepared. Marx & Rawolle, Inc. 210,495; Nov. 3.
Varnish and paints. De Sota Paint Manufacturing Co 203,075; Nov. 3.
Varnishes. Great Lakes Varnish Works, Inc. 219,961; Nov. 3.

CLASS 19.

Automobile trucks. Six Wheels Incorporated. 220,622; Nov. 3.
Automobiles. Diana Motors Company. 219,947; Nov. 3.
Taxicabs. J. A. Hayes. 220,127; Nov. 3.

CLASS 21.

Automobiles, Electric signal lights for use on. H. B. McLaughlin. 211,175; Nov. 3.
Batteries, Dry. French Battery & Carbon Company. 206,951; Nov. 3.
Condensers, Electrical. Splitdorf Electrical Company. 216,568; Nov. 3.
Electric circuits, Variable-resistance units for controlling. Electrad, Inc. 206,284; Nov. 3.
Electrical apparatus and supplies. Rheinisch-Westfalische Sprengstoff-Actein-Gesellschaft Koln. 219,411; Nov. 3.
Lamps, Electric. Accessories Manufacturing Co. 218,280; Nov. 3.
Lamps for automobiles, Electric. Etablissements Michel Potous S. A. 189,845; Nov. 3.
Lighting devices, Electrical. Carter Radio Co. 217,920; Nov. 3.
Lighting fixtures, electric desk lamps, etc., Portable electric. H. G. McFaddin & Co. 202,069; Nov. 3.
Loud speakers, radio receiving sets, and parts thereof, Cabinet. E. A. Graham. 217,768; Nov. 3.
Radioaerials. Van Wart & Foreman. 218,223; Nov. 3.
Radio apparatus, Vernier dials for. Mohawk Electric Corporation. 219,254; Nov. 3.
Radio loud speakers, loud-speaking phonograph attachments, receiving sets, and electron tubes. Radiotive Corporation. 212,200; Nov. 3.
Radio receiving and sending sets and parts thereof. Incandescent Supply Company. 217,560; Nov. 3.
Radio receiving sets. Radio Corporation of America. 199,184; Nov. 3.
Radio receiving sets. Resas, Inc. 210,101; Nov. 3.
Radio receiving sets. Sherman Radio Manufacturing Corporation. 217,232; Nov. 3.
Radio receiving sets and parts thereof. J. J. McCoy, Jr. 217,524; Nov. 3.
Radio receiving sets, Headsets, loud speakers, etc., for. Tower Manufacturing Corporation. 206,810; Nov. 3.
Radio receiving sets, loud speakers, plugs, etc. Electrical Research Laboratories, Inc. 216,517; Nov. 3.
Radio receiving sets, Tuning coils for. W. Rosenbloom. 201,465; Nov. 3.
Radio reception devices, Fixed and variable condensers for. Pilot Electric Manufacturing Company. 218,776; Nov. 3.
Radio vacuum tubes. Pennant Raddio Laboratories. 219,200; Nov. 3.
Radio vacuum tubes. Yankee Tube Corporation. 214,987; Nov. 3.
Signal and tail lights, Electrical. Morgan Manufacturing Company. 218,270; Nov. 3.
Signals, Vehicle. Lito-Fone Company. 201,036; Nov. 3.
Stoves, ranges, and hot-plate attachment therefor, Electric. Belleville Stove & Range Co. 215,044; Nov. 3.
Transformers and inductances. A. H. Grebe & Co. 206,302; Nov. 3.
Vacuum tubes and valves. Radio Corporation of America. 218,523; Nov. 3.

CLASS 22.

Coasters, Roller. Wortham Riding Device Company. 204,990; Nov. 3.
Fish bait, Prepared. Mosher & Lasher. 219,676; Nov. 3.
Fishing tackle. Frost Fishing Tackle Company. 219,899; Nov. 3.
Picture outfits, Synthetic. W. D. Kilbourn. 203,683; Nov. 3.
Toy molds. Seiss Manufacturing Company. 215,185; Nov. 3.

CLASS 23.

Fire-extinguishing machines. Extinguishers, Limited. 216,716; Nov. 3.
Metal-working small tools. Cleveland Twist Drill Company. 218,278; Nov. 3.
Mowers, Lawn. Pennsylvania Lawn Mower Works. 220,080; Nov. 3.
Pumps, Oil. Caward Dart Company. 218,468; Nov. 3.
Pumps, Water-circulating. R. M. Hallam. 218,811; Nov. 3.
Tongs, razors, plane iron, grooving iron, etc. E. A. Bergs Fabriks Aktiebolag. 203,932; Nov. 3.
Vending machines. Columbus Vending Company. 213,226; Nov. 3.
Vending machines. Jeffries Automatic Service Company. 216,397; Nov. 3.

CLASS 24.

Washington machines. Boss Washing Machine Company. 199,604; Nov. 3.

CLASS 26.

Hardness of materials, Machines for testing the. Aktiebolaget Alpha. 217,654; Nov. 3.
Optical frames, lenses, and parts of ophthalmic mountings. M. Jacoby. 215,694; Nov. 3.
Thermostatic controls. Spencer Thermostat Company. 219,150; Nov. 3.
Weighing apparatus. Merrick Scale Mfg. Company. 219,977; Nov. 3.

CLASS 27.

Clock cases and watchcases. Bakelite Corporation. 216,817; Nov. 3.
Watches and clocks, movements, cases, dials, and parts thereof. Montres Era & Viso. C. Ruedi-Flury & Cie. Société Anonyme. 217,356; Nov. 3.
Watches and timepieces. La Glycine Watch Factory. 217,348; Nov. 3.
Watches, clocks, and parts thereof. Carlowitz & Co. 211,831; Nov. 3.
Watches watchcases, and watch movements. M. Klass. 218,062–3; Nov. 3.

CLASS 28.

Breastpins, broaches, bracelets, and barrettes. Wachenheimer Bros., Inc. 218,440; Nov. 3.
Neckties supports. W. P. Talbot. 216,236; Nov. 3.
Rings, brooches, bracelets, and pendants, Finger. George W. Steward Co. 219,610; Nov. 3.

CLASS 29.

Brooms. American Stores Company. 220,822; Nov. 3.
Brooms. Amsterdam Broom Company. 220,008–9; Nov. 3.
Brooms. Amsterdam Broom Company. 220,011–13; Nov. 3.
Brushes. New Mix Products, Inc. 219,983; Nov. 3.
Brushes, Painter's. Atlas Brush Corporation. 219,877; Nov. 3.
Brushes, Rubber massage bath. Kase-Quinby Rubber Co. 217,675; Nov. 3.
Brushes, Tooth, hand, and hair. Geo. Borgfeldt & Co. 219,323; Nov. 3.

CLASS 32.

Counters and show cases for self-service stores. Nifty Jiffy Corporation. 214,788; Nov. 3.

CLASS 34.

Furnaces, Warm-air. International Heater Company. 219,587; Nov. 3.
Water heaters. Rund Manufacturing Company. 219,497; Nov. 3.

CLASS 35.

Tires, Rubber vehicle. Fisk Rubber Company. 210,896; Nov. 3.

CLASS 36.

Harmonicas and accordions, Mouth. M. Hohner, Inc. 217,829; Nov. 3.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Mouth organs and accordions. Andrs. Koch A.-G. 212,469; Nov. 3.
Musical instrument, Nasal wind. J. J. Stivers. 214,288; Nov. 3.
Musical instrument, Pick for a stringed. Bacon Banjo Co. 216,252; Nov. 3.
Phonographs. M. Waterson. 210,594; Nov. 3.
Phonographs. Zenith Radio Corporation. 213,822; Nov. 3.
Ukuleles and banjo ukes. A. E. Davidson. 208,512; Nov. 3.
Ukuleles, banjo ukuleles, and mouth harmonicas. Progressive Musical Instrument Corporation. 207,519; Nov. 3.

CLASS 37.

Binders or files. Modern Office Devices, Inc. 219,755; Nov. 3.
Boxes, Filing. W. & T. Products Corporation. 220,159; Nov. 3.
Paper. W. W. Bailey. 220,590; Nov. 3.
Paper and paper towels, Toilet. Wyoming Valley Paper Mill. 219,706; Nov. 3.
Paper, Book. W. W. Bailey. 220,589; Nov. 3.
Paper, Book. Strathmore Paper Company. 219,614; Nov. 3.
Paper stock, Crêped or crinkled. Angier Corporation. 220,283; Nov. 3.
Paper, Typewriter. W. S. Tuttle. 219,358; Nov. 3.
Paper, Wrapping. Graham Paper Company. 219,959; Nov. 3.
Papers, Book and printing. Bermingham & Prosser Co. 219,267; Nov. 3.
Pens and pencils, Fountain. Moore Pen Company. 220,559; Nov. 3.
Pens, Fountain. Moore Pen Co. 218,985; Nov. 3.

CLASS 38.

Magazine, Monthly. Freeman-Smart Company. 216,863; Nov. 3.
Magazine publications. MacFadden Publications Incorporated. 218,191; Nov. 3.
Magazines or monthly publications. American Radio Relay League. 204,492; Nov. 3.

CLASS 39.

Bathing suits. Guiterman Bros., Inc. 220,069; Nov. 3.
Boots and shoes. Firestone-Apsley Rubber Company. 200,811; Nov. 3.
Coats, Ladies'. Miltex Cloak & Suit Co. 219,832; Nov. 3.
Corsets. Lily of France Corset Co. 218,819; Nov. 3.
Dresses. P. Golinko. 220,188; Nov. 3.
Dresses. Wholesale Apparel Corporation. 219,096; Nov. 3.
Dresses for children, Play. P. Rainwater. 220,139; Nov. 3.
Frocks. Raleigh Haberdasher, Inc. 219,409; Nov. 3.
Garters. Kirkpatrick and Brown. 219,825; Nov. 3.
Gloves. C. L. McBride Manufacturing Co. 219,253; Nov. 3.
Hats, Ladies'. Gitter's Millinery Stores, Inc. 219,118; Nov. 3.
Hats, Ladies'. Wagner-Gaebel Co. 218,673; Nov. 3.
Hats, Ladies' and misses'. A. P. Hat Co. 220,487; Nov. 3.
Hosiery. L & B Hosiery Co. 220,130; Nov. 3.
Hosiery. Mechanicsburg Manufacturing Company. 220,077; Nov. 3.
Jackets, boys' blouses, shirts, underwear, etc. M. Fine & Sons. 217,506; Nov. 3.
Jackets, Sport. C. S. Peterson. 220,082; Nov. 3.
Overalls and work suits. Great Six Overalls, Inc. 220,228; Nov. 3.
Overalls, work shirts, and pants. Adam, Meldrum & Anderson Co. 220,057; Nov. 3.
Ponchos. W. Y. Albertson. 217,381; Nov. 3.
Raincoats. Textile Products Ltd. 218,028; Nov. 3.
Shirts. Max Hyman & Son, Inc. 220,235; Nov. 3.
Shirts and sweater coats. Rice-Stix Dry Goods Company. 217,634; Nov. 3.
Shoes. J. K. Orr Shoe Company. 219,551; Nov. 3.
Shoes and slippers. Real Style Shoe Co. 218,524; Nov. 3.
Shoes, Children's. W. T. Grant Company. 219,423; Nov. 3.
Shoes, Men's dress. Chicago Mail Order Company. 220,397; Nov. 3.
Shoes, Women's leather. J. B. Tilton. 219,356; Nov. 3.
Suits, gloves, hose, etc., Boys' sailor. Best & Co. 216,788; Nov. 3.
Suits, overcoats, and trousers. Mintz, Horowitz and Arick. 219,833; Nov. 3.
Sweaters and overblouses. E. R. Walbridge. 218,883; Nov. 3.
Sweaters, bathing suits, scarfs, dresses, etc. American Knitwear Company. 215,397; Nov. 3.
Undergarments. N. Siegel. 215,711; Nov. 3.

CLASS 40.

Art needlework and novelties. Grayona Needlecraft Corporation. 198,570; Nov. 3.
Fur collars, cuffs, and borders. Firstenberg, Naboshek & Kheel. 216,530; Nov. 3.

CLASS 41.

Canes and umbrellas. Best & Co. 216,767; Nov. 3.
Umbrellas and parasols. Dorf & Co. 219,818; Nov. 3.
Umbrellas and parasols. Dorf & Co. 220,063; Nov. 3.

CLASS 42.

Fabrics, Woven. Whitman-Cooney Textile Corporation. 219,361; Nov. 3.
Sheetings and drillings. Manville Jenckes Company. 217,720–1; Nov. 3.
Silk and cotton mixture fabric linings. Magid Bros. Silk Co. 218,708; Nov. 3.
Silk goods in the piece. Louis Roessel & Co. 219,540; Nov. 3.
Silk piece goods. Stehli Silks Corporation. 205,373; Nov. 3.
Silk piece goods. L. O. Thompson. 211,068; Nov. 3.
Silks and cottons for drapery cloth. Kent-Straus Company. 201,963; Nov. 3.
Silks in the piece. L. Bamberger & Company. 219,521; Nov. 3.

CLASS 45.

Beverage and sirup for making the same. G. B. Shepherd. 205,236; Nov. 3.
Beverages. M. Kantor. 218,976; Nov. 3.
Beverages sold as soft drinks. R. Rios. 219,045; Nov. 3.
Beverages sold as soft drinks and sirups for making the same. Clicquot Club Company. 218,735–6; Nov. 3.
Lemonades, Sirups and essences for making. Naamlooze Vennootschap Distilleerderij, Likeurstokerij, Limonade- en Extractenfabriek van C. Polak Gzn. 219,296; Nov. 3.
Mineral water. Alpha-Lux Company. 200,742; Nov. 3.
Orange drink. O. C. Hirbour. 200,199; Nov. 3.
Sirup for making soft drinks. H. F. Koujales. 215,794; Nov. 3.

CLASS 46.

Apples, Fresh. Northwest Fruit Distributors. 220,567; Nov. 3.
Bread, Rye. Walter Freund Bread Co. 218,477; Nov. 3.
Butter. Southern Creameries, Inc. 218,529; Nov. 3.
Butter, coffee, vinegar, mustard, etc. Cox Stores Co. 184,128; Nov. 3.
Butter, eggs, and dressed poultry. A. C. Clauser. 219,229; Nov. 3.
Cakes. Consumers Biscuit Co. 219,879; Nov. 3.
Cakes. D. A. Grissinger. 219,893; Nov. 3.
Candies. Mason, Au & Magenheimer Confectionery Manufacturing Company. 220,314; Nov. 3.
Candy. P. Delaney. 220,504; Nov. 3.
Candy. Quaker City Choc. & Conf. Co. 220,678; Nov. 3.
Candy and biscuits. R. A. Sanburg. 218,873; Nov. 3.
Candy-bar goods. Chocolate Products Company. 215,620; Nov. 3.
Candy bars. G. Hankele. 220,342; Nov. 3.
Candy suckers. Straser Candy Company. 203,845; Nov. 3.
Canned and bottled vegetables, fruits, and berries. J. M. Paver Co. 220,418; Nov. 3.
Canned corn. Iowa Canning Co. 218,576; Nov. 3.
Canned corn. Lynchburg Canning Company. 210,800; Nov. 3.
Canned fish. Gatlin & Gatlin. 220,518–19; Nov. 3.
Canned fruit, vegetables, and fish, and dried fruit. E. L. Dawson & Co. 220,503; Nov. 3.
Canned fruits and vegetables. Ideton Canning Co. 220,659–60; Nov. 3.
Canned pears, corn, and tomatoes. McMahan & Leib Company. 220,245; Nov. 3.
Canned raspberries, blackberries, pears, and rhubarb, cold pack, etc. Puyallup & Sumner Fruit Growers Association. 220,252; Nov. 3.
Canned tomatoes and peaches. Food Products Co. 220,119; Nov. 3.
Canned vegetables, fruits, and fish, pickles, etc. West Side Wholesale Grocery Co. 203,770; Nov. 3.
Celery, Fresh. Troutdale Celery Growers Union. 220,264; Nov. 3.
Cheese. Davis Bros. Cheese Co. 219,880; Nov. 3.
Coffee. J. Aron & Company. 219,515–16; Nov. 3.
Coffee. J. Aron & Company. 219,519; Nov. 3.
Coffee. San Antonio Coffee Co. 216,942; Nov. 3.
Coffee. Waples Platter Gro. Co. 179,501; Nov. 3.
Coffee substitute. American Stores Company. 220,826; Nov. 3.
Coffee, tea, cider, vinegar, and olive oil. R. Ribeiro. 216,992; Nov. 3.
Confections, Candy. S. Pessin. 220,294; Nov. 3.
Cooking oil. Tater-Flakes Company. 219,999; Nov. 3.
Crackers and cakes. Pacific Coast Biscuit Company. 218,773; Nov. 3.

# CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Farina. George Urban Milling Company. 220,158; Nov. 3.
Feed and scratch, Poultry. Southern Gypsum Company. 220,257; Nov. 3.
Flour, Wheat. Alexander Milling Company. 219,866; Nov. 3.
Flour, Wheat. Empire Milling Company. 218,958; Nov. 3.
Flour, Wheat. Fisher Flouring Mills Company. 219,580; Nov. 3.
Flour, Wheat. Fuhrer-Ford Milling Co. 210,839; Nov. 3.
Flour, Wheat. William Kelly Milling Company. 217,157; Nov. 3.
Flour, Wheat. Lawrenceburg Roller Mills Co. 218,260; Nov. 3.
Flour, Wheat. Southwestern Milling Co. 217,532; Nov. 3.
Flour, Wheat. Warner Moore & Co. 220,266; Nov. 3.
Flour, Wheat. G. W. Ziebold. 220,005; Nov. 3.
Food, Poultry. American Agricultural Chemical Company. 215,894; Nov. 3.
Marchpane. Mablo-Werke G. m. b. H. 211,173; Nov. 3.
Milk, cream, and buttermilk, Fluid. Maryland-Virginia Milk Products Company. 219,489; Nov. 3.
Oil, Olive. Gavalla & Zannos. 219,889; Nov. 3.
Oil, Olive. P. Todaro. 220,154; Nov. 3.
Raisins, Dry. Harry Arakelian & Son. 219,105; Nov. 3.
Sandwiches. Price-Wilhoite Specialty Co. 220,083-6; Nov. 3.
Semolinas, Wheat flours, and wheat offals. Minneapolis Milling Company. 217,630; Nov. 3.
Tea. Lehn & Fink, Inc. 210,467; Nov. 3.
Tunny fish, canned tomatoes, tomato sauce, olive oil, and black pepper. B. Dorman. 199,830; Nov. 3.
Vegetables and tomato catsup. Howard E. Jones & Co. 214,551; Nov. 3.

CLASS 48.

Malt beverage. Gottfried Krueger Brewing Co. 216,918; Nov. 3.
Malt beverage, Cereal. New England Brewing Co. 216,689-90; Nov. 3.
Malt extracts and sirups. Camel Malt Syrup Co. 217,501; Nov. 3.

CLASS 50.

Hive covers. G. B. Lewis Company. 218,924; Nov. 3.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 3D DAY OF NOVEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Achenbach, Aaron M., Piedmont, Calif. Desk. 1,560,131; Nov. 3.
Acheson, George W., Newark, N. J. Making rubber compositions. 1,560,132; Nov. 3.
Acme Printing Appliance Co., The. (See Daane, Arthur J., assignor.)
Adair, Charles T., assignor of one-half to L. S. Walter, Kansas City, Mo. Resurfacing machine. 1,559,926; Nov. 3.
Adams, J. D., & Company. (See Adams, Joseph D., assignor.)
Adams, Joseph D., deceased, by R. E. Adams and W. R. Adams, administrators, and R. E. Adams, Indianapolis, Ind., assignors to J. D. Adams & Company, a Partnership composed of R. E. Adams, W. R. Adams, L. H. Adams, and H. J. Adams as individuals, and R. E. Adams, W. R. Adams, and S. E. Henry, as trustees. Ditch-forming grader. Re16,200; Nov. 3.
Adams, Roy E., et al., administrators. (See Adams, Joseph D.)
Adams, William R., et al., administrators. (See Adams, Joseph D.)
Advance-Rumely Company. (See Ballentine, William I., assignor.)
Alden, William H., jr., Bryn Athyn, Pa. Safety razor. 1,559,536; Nov. 3.
Alderfer, Sterling W., Akron, Ohio. Disk wheel. 1,559,538; Nov. 3.
All Metal Products Company. (See Schmidt, William F., assignor.)
Allan, Ewen M., Sault Ste. Marie, Ontario, Canada. Core tip. 1,560,192; Nov. 3.
Allen, Carrie M., Lompoc, Calif. Skirt-plait holder. 1,560,191; Nov. 3.
Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Button-hole-sewing machine. 1,559,539; Nov. 3.
Allen, Frank B., Cynwyd, Pa., assignor, by mesne assignments, to F. H. Dunbar. Fluid method and apparatus for controlling and removing material from hoppers. 1,560,361; Nov. 3.
Allen, Orren, Denver, Colo. Reenforcement work for concrete construction. 1,559,837; Nov. 3.
Allen, William G., West Hartford, assignor to The Henry & Wright Manufacturing Company, Hartford, Conn. Drilling machine. 1,560,193; Nov. 3.
Allison, Charles I. (See Robertson, C. H., and Allison.)
Ambrose, Jennings G. (See Hills, F. M., and Ambrose.)
American Can Company. (See Odquist, Victor, assignor.)
American Cyanamid Company. (See Landis, W. S., and Buchanan, assignors.)
American Flyer Manufacturing Company. (See Becker, H. S., Bolsselier, and Schumacher, assignors.)
American Lurgi Corporation. (See Czochralski, Johann, assignor.)
American Multigraph Company, The. (See Chisholm, Clifton, assignor.)
American-National Company, The. (See Bingham, Jeremiah, assignor.)
American Optical Company. (See Lanba, Max A., assignor.)
American Optical Company. (See Schumacher, Elmer L., assignor.)
American Safety Table Co. (See Voigt, Max T., assignor.)
American Telephone and Telegraph Company. (See Martin, William H., assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Thorp, I. Jay, assignor.)
American Telephone and Telegraph Company. (See Walters, James N., assignor.)
Anderson, Walter S., Cobbville, Ga. Cultivating implement. 1,560,362; Nov. 3.
Andretta, Fred C. (See Snyder, E. A., and Andretta.)
Andrew, Frederick W., assignor to Eisemann Magneto Corporation, Brooklyn, N. Y. Magneto driving connection for gas engines. 1,559,537; Nov. 3.
Andrews, Charles W. (See Brassert, Herman A., assignor.)
Andrews, John, Elizabeth, Pa. Method of and apparatus for cleaning grain. 1,560,012; Nov. 3.
Angeletti, Joseph M., New York, N. Y. Measuring stopper for containers. 1,560,013; Nov. 3.
Anthony, Riley E., Omaha, Nebr., assignor of one-half to M. K. Neshiem, Los Angeles, Calif. Headlight. 1,559,838; Nov. 3.
Antoine, Angelo C., Mobile, Ala. Radius-rod support. 1,559,661; Nov. 3.
Arkwright, Reuben and I. Moeller, New Glasgow, Nova Scotia, Canada, assignors, by mesne assignments, to Railway Devices Company, St. Louis, Mo. Uncoupling device for freight cars. 1,560,363; Nov. 3.
Arkwright, Reuben, and I. Moeller, New Glasgow, Nova Scotia, Canada, assignors, by mesne assignments, to Railway Devices Company, St. Louis, Mo. Uncoupling device for freight cars. 1,560,364; Nov. 3.
Armstrong, Edwin J., assignor to Erie Steam Shovel Company, Erie, Pa. Crane or the like. 1,560,194; Nov. 3.
Arnold, Juliette P., assignor to Wonder Beauty Co. Inc., Apponaug, R. I. Wrinkle-removing appliance. 1,559,732; Nov. 3.
Art Lamp Manufacturing Company. (See Severus, Louis, assignor.)
Asher, Wade H., Selma, Calif., assignor of one-half to H. Hampton, San Antonio, Tex. Fruit cutter. 1,559,839; Nov. 3.
Asphalt Grave Vault Company, The. (See Sheene, William E., assignor.)
Austin, F. C., Machinery Company. (See Powers, Edward O., assignor.)
Austin Manufacturing Co. (See Beatty, W. T., and Davis, assignors.)
Austin Machinery Corporation. (See Bentson, Hans J., assignor.)
Austin, Walter M., Swissvale, Pa. Draft gear. 1,559,540; Nov. 3.
Automatic Electric Company. (See Bellamy, J. I., and Gardner, assignors.)
Automatic Gun Control Company. (See Farrell, S. A., and McNeill, assignors.)
Automobile Equipment Manufacturing Corporation. (See Cerf, Floyd D., assignor.)
Avis, Braxton D., Clarksburg, W. Va. Siphon cream skimmer. 1,560,401; Nov. 3.
Ayers, John T., Lachute, Canada. Apparatus for washing paper-machine felts. 1,560,331; Nov. 3.
Babbitt, John F. (See Pilcher, J. V., and Babbitt.)
Baitinger, John M., St. Paul, Minn. Feeding people. Re16,195; Nov. 3.
Bakelite Corporation. (See Brown, Kirk, assignor.)
Baker Casing Shoe Company. (See Baker, Reuben C., assignor.)
Baker, Charles A., Batu Gajah Kinta, Perak, Federated Malay States. Fishing reel. 1,559,927; Nov. 3.
Baker, Frederick, Blackheath, London, assignor to Single Thread Lockstitch Machines Limited, London, England. Sewing. 1,559,840; Nov. 3.
Baker, Myron, Bridgeport, Conn. Automobile hoist. 1,560,071; Nov. 3.
Baker, Reuben C., Coalinga, Calif., assignor to Baker Casing Shoe Company. Casing-shoe guide. 1,559,862; Nov. 3.
Bakketun, Torger A., Northwood, Iowa. Game. 1,560,496; Nov. 3.
Ball, Guy M., Dayton, Ohio. Intake manifold for internal-combustion engines. 1,560,365; Nov. 3.
Ball, Guy M., Dayton, Ohio, assignor to Irving Airchute Company, Inc., Buffalo, N. Y. Parachute harness. 1,560,366; Nov. 3.
Ball, Jay O., Bogota, N. J. Form of plates and rollers to ornament materials. 1,559,928; Nov. 3.
Baldwin, Ernest S., Oakland, Calif. Toilet-paper holder. 1,559,663; Nov. 3
Ballantine, Stuart, White Haven, Pa., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Reducing retroactive currents in push-pull amplifiers. 1,560,332; Nov. 3.
Ballentine, William I., assignor to Advance-Rumely Company, La Porte, Ind. Trailer for tractors. 1,559,541; Nov. 3.
Banks, Joseph L., Baltimore, Md. Musical instrument. 1,560,497; Nov. 3.
Barger, William R., W. V. Hukill, and L. A. Hawkins, Washington, D. C., dedicated, by mesne assignments, to the citizens of the United States. Apparatus for the treatment of fruit with antiseptics for the prevention of decay. 1,559,733; Nov. 3.

Bark, Benjamin, Isleworth, England. Production of radiant heat. 1,560,367; Nov. 3.
Barker, England J., assignor to United Autographic Register Company, Chicago, Ill. Autographic register. 1,560,195; Nov. 3.
Barnes, Jahney H., Eureka, Kans. Gasoline gauge. 1,560,461; Nov. 3.
Barnes, John A., assignor to Fowler Company, Incorporated, Dallas, Tex. Blow-out boot. 1,559,664; Nov. 3.
Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,560,031; Nov. 3.
Barr and Stroud, Limited. (See French, James W., assignor.)
Bart, Blasius, East Orange, N. J. Forming métal reflectors and apparatus therefor. 1,560,032; Nov. 3.
Bart, Blasius, East Orange, N. J. Grinding glass molds. 1,560,033; Nov. 3.
Bartels, Amandus, Pferdeweg, and O. Miech, Harburg-on-the-Elbe, Germany. Producing unitary form pieces from case in artificial horn. 1,560,368; Nov. 3.
Barto, Cecil W., Port Angeles, Wash. Floor clamp. 1,560,389; Nov. 3.
Barton, John T., San Angelo, Tex. Fence. 1,559,784; Nov. 3.
Bass, Rubin, Brooklyn, N. Y. Presser for velour, Bolivia, etc. Re16,194; Nov. 3.
Bassick Company, The. (See Herold, Walter F., assignor.)
Bastian Blessing Company, The. (See Bastian, Charles L., assignor.)
Bastian Brothers Company. (See Heberling, John, assignor.)
Bastian, Charles L., assignor to The Bastian Blessing Company, Chicago, Ill. Safety temperature control. 1,560,196; Nov. 3.
Bath, John, & Company, Incorporated. (See Bath, John, assignor.)
Bath, John, assignor to John Bath & Company, Incorporated, Worcester, Mass. Grinding machine. Re16,196; Nov. 3.
Bauml, Nathan, Foxboro, Mass. Sash fastener. 1,559,735; Nov. 3.
Bay State Optical Company. (See Clulee, Stephen J., assignor.)
Bean, Louis A., Denver, Colo. Double-focusing reflector. 1,559,929; Nov. 3.
Bean, Louis A., Denver, Colo. Automobile headlight. 1,559,930; Nov. 3
Beaney Rubber Company. (See Beaney, Thomas A., assignor.)
Beaney, Thomas A., Poughkeepsie, assignor to Beaney Rubber Company, Inc., New York, N. Y. Tire flap. 1,560,498; Nov. 3.
Bear Tractor Corporation of America. (See Leake, Thomas C., assignor.)
Beasley, Walter H. (See Stenning, W. W., and Beasley.)
Beatty, William T., Flossmoor, and F. S. Davis, Homewood; said Davis assignor to Austin Manufacturing Co., Chicago, Ill. Three-wheel road roller. 1,559,542; Nov. 3.
Beaumont, R. H., Company. (See Hale, William E., assignor.)
Beaver Machine & Tool Co. (See Downing, John B., assignor.)
Beck, Charles W., assignor to The Beck-Frost Corporation, Detroit, Mich. Steering wheel. 1,560,133; Nov. 3.
Beck, Charles W., assignor to The Beck-Frost Corporation, Detroit, Mich. Steering wheel. 1,560,134; Nov. 3.
Beck-Frost Corporation, The. (See Beck, Charles W., assignor.)
Becker, Harry S., River Forest, E. Boisselier, and G. F. Schumacker, assignors to American Flyer Manufacturing Company, Chicago, Ill. Toy mail-bag-loading mechanism. 1,560,495; Nov. 3.
Becker, Harry S., River Forest, E. Boisselier, and G. F. Schumacher, assignors to American Flyer Manufacturing Company, Chicago, Ill. Toy mail-bag-loading mechanism. 1,560,499; Nov. 3.
Beery, Ray C., Pleasant Hill, and R. Craig, Dayton, Ohio, said Craig assignor to said Beery. Educational device. 1,559,685; Nov. 3.
Bell, Frank B., assignor to Edgewater Steel Company, Pittsburgh, Pa. Forging die. 1,560,135; Nov. 3.
Bell, Harvey W., Yonkers, N. Y., assignor to The Beloyt Corporation, Dover, Del. Fluid-pressure generator. 1,559,931; Nov. 3.
Bell, William O. (See Pfanstiehl, C., and Bell.)
Bellamy, John I., Chicago, Ill., and J. E. Gardner, Wilkinsburg, Pa., assignors to Automatic Electric Company, Chicago, Ill. Secondary trunking system. 1,559,736; Nov. 3.
Bellows, Franklin H., assignor to Walden-Worcester, Incorporated, Worcester, Mass. Attaching a tool head to its handle. 1,559,543; Nov. 3.
Beloyt Corporation, The. (See Bell, Harvey W., assignor.)
Bemm, Frank W. (See Merseles, H. E., and Bemm.)
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Pull switch. 1,560,197; Nov. 3.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment plug. 1,560,198; Nov. 3.
Bennett, Howard D., Baltimore, Md. Chain bucket. 1,560,370; Nov. 3.
Benton, John R., assignor of one-third to E. W. Marsh, Ajo, Ariz. Automatic brake control. 1,560,371; Nov. 3.
Bentson, Hans J., Muskogee, Mich., assignor to Austin Machinery Corporation, Toledo, Ohio. Excavator bucket. 1,560,136; Nov. 3.
Bents, Justus B., New Rochelle, N. Y. Power-transmission mechanism. 1,559,945; Nov. 3.
Bens, Frederick, Haledon, N. J. System of water conservation. 1,559,841; Nov. 3.
Berbecker & Rowland Manufacturing Company. (See Booth, Robert S., assignor.)
Bercsik, George, Duisytown, Pa. Adjustable window-shade support. 1,560,199; Nov. 3.
Berge, Frans R. L., Seattle, Wash. Resonator attachment for banjos and the like. 1,560,372; Nov. 3.
Bergner, John C. (See Morris, Frank E., assignor.)
Bernard, Harold B., assignor to Sinclair Oil and Gas Company, Tulsa, Okla. Recovery of gasoline, etc. 1,560,137; Nov. 3.
Bernard, Harold B., assignor to Sinclair Oil and Gas Company, Tulsa, Okla. Gasoline recovery. 1,560,138; Nov. 3.
Berndt, Julius R., Caldwell, Tex. File. 1,560,072; Nov. 3.
Bernhardt, Joseph F., assignor to Triangle Automobile Spring Company, Pittsburgh, Pa. Automobile spring construction. 1,560,200; Nov. 3.
Bernier, Napoleon M., Cambridge, Mass. Pneumatic plastering machine. 1,559,666; Nov. 3.
Bernstein, Willie E. (See Hemm, P. P., and Bernstein.)
Biflex Products Company. (See Grotenhuis, William J., assignor.)
Billings, Frank E., Worcester, Mass., assignor to Worcester Stamped Metal Company. Skate roller. 1,560,014; Nov. 3.
Bingham, Jeremiah, assignor to The American-National Company, Toledo, Ohio. Manufacture of sheet-metal articles. 1,560,201; Nov. 3.
Birnbaum, Christian, and E. J. Gutman, Cleveland, Ohio. Screw jack. 1,559,667; Nov. 3.
Birnstock, William W., assignor to York Milk Machinery Company, York, Pa. Crate-advancing mechanism. 1,560,373; Nov. 3.
Birnstock, William W., assignor to York Milk Machinery Company, York, Pa. Crate-feeding mechanism for bottle-washing machines. 1,560,374; Nov. 3.
Black & Decker Manufacturing Company, The. (See Decker, Alonzo G., assignor.)
Blackman, Arthur E., Franklin, Tasmania, Australia. Temperature-maintaining vessel. 1,560,375; Nov. 3.
Bock, Charles S., assignor to Andrew Hoffman Mfg. Co., Chicago, Ill. Casement window. 1,559,544; Nov. 3.
Bock, Martin, Philadelphia, Pa. Catheter. 1,559,737; Nov. 3.
Boehm, Rudolph A., assignor to Rickert-Shafer Company, Erie, Pa. Self opening and closing threading-die holder. 1,560,462; Nov. 3.
Boehmler, George, Rockledge, Pa. Automobile headlight. 1,560,376; Nov. 3.
Bogen, Charles J., Huntington Beach, Calif. Rotary slip for drilling oil wells. 1,559,932; Nov. 3.
Boisselier, Earl. (See Becker, H. S., Boisselier, and Schumacher.)
Bokhanowsky, Ilya. (See Poluectoff, J. P., and Bokhanowsky.)
Bollinger, Levi M., Bunker Hill, Kans. Temporary pole-step device. 1,559,842; Nov. 3.
Bontempi, Mario, and J. De Leo, Bronx, N. Y. Hat protector. 1,560,073; Nov. 3.
Booth, Robert S., Waterbury, assignor to Berbecker & Rowland Manufacturing Company, Waterville, Conn. Slide for furniture and the like. 1,559,545; Nov. 3.
Bork, Otto E., Copenhagen, Denmark. Pencil sharpener. 1,560,291; Nov. 3.
Born, Gabriel F. and R. D., New Philadelphia, Ohio. Automatic railway signal. 1,559,933; Nov. 3.
Born, Russell D. (See Born, Gabriel F. and R. D.)
Bosket, Jesse L., Binghamton, N. Y. Shaft coupling. 1,559,546; Nov. 3.
Bostrom, Axel G. (See Holmes, G. E., and Bostrom.)
Bostrom, John M. (See Holmes, G. E., and Bostrom.)
Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Two-way plug. Des. 68,609; Nov. 3.
Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Three-way plug. Des. 68,610; Nov. 3.
Bourne, Theodore F. (See Reinhardt, James H., assignor.)
Boving, Jens O., London, England. Utilizing tidal energy. 1,559,935; Nov. 3.
Bow, John R., Melbourne, Victoria, Australia. Apparatus for winding long and endless cinematograph films. 1,560,139; Nov. 3.
Bowser, S. F., & Company. (See Hinds, Sherwood, assignor.)
Brady, Henry, Inc. (See Brady, H., and Hilsinger, assignors.)



Brady, Henry, Inc. (See Hilsinger, Adin W., assignors.)
Brady, Henry, Bloomfield, and A. W. Hilsinger, Orange, N. J., assignors to Henry Brady, Inc. Paper-blank-feeding mechanism. 1,560,171; Nov. 3.
Brainard, James J., Pittsburgh, assignor to Westmoreland Specialty Company, Grapeville, Pa. Vitreous toy train. Des. 68,611; Nov. 3.
Branciforti, Francesco, Folsom, N. J. Building block or similar article. Des. 68,612; Nov. 3.
Brandes Laboratories, Inc. (See White, Charles D., assignors.)
Brandt, Henry E., assignor to Dobbins Manufacturing Company, North St. Paul, Minn. Sprayer with air chamber and transverse tank. 1,559,843; Nov. 3.
Brassert, Herman A., Chicago, Ill., assignor of one-half to C. W. Andrews, Duluth, Minn. Purification of gases. 1,560,202; Nov. 3.
Brewer, Humphries W., Dubois, Pa. Portable milling machine. 1,560,034; Nov. 3.
Brickenstein, John H. (See Lilienfeld, Julius E., assignor.)
Brinton, Willard C., assignor to Terminal Engineering Company, Inc., New York, N. Y. Motor-casing closure. 1,560,035; Nov. 3.
Britt, Bonnie T., Zebulon, N. C. Automatically-adjustable slide-roller window shade. 1,560,402; Nov. 3.
Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Lay boy. 1,560,015; Nov. 3.
Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Automatic switch. 1,559,738; Nov. 3.
Bronzo Alumina Corporation, The. (See Donaldson, Eames, assignor.)
Brooks, Clyde E., Mason City, Iowa. Ledger stand. 1,559,844; Nov. 3.
Brown, Allen W. (See Finley, T. M., and Brown.)
Brown, Francis H., Glen Olden, Pa. Pressure-responsive device. 1,559,547; Nov. 3.
Brown, Harold M. and W. G., Chicago, Ill. Connecting cables and wires. 1,559,668; Nov. 3.
Brown, Harold M., assignor of one-half to O. E. Fuchs, Chicago, Ill. Lighting-fixture holder. 1,559,669; Nov. 3.
Brown, J. Paul, Atlanta, Ga. Union suit. 1,559,845; Nov. 3.
Brown, John H., Newport, R. I. Plant support. 1,560,404; Nov. 3.
Brown, Kirk, Montclair, N. J., assignor to Bakelite Corporation, New York, N. Y. Impregnated material and producing same. 1,559,846; Nov. 3.
Brown, Lloyd, Sherman, assignor, by mesne assignments, to C. B. Hurtt, W. F. Peterson, G. B. Stephens, and C. B. Stephens, Los Angeles, Calif., and G. A. Stephens, Moline, Ill., trustees. Theater. 1,559,739; Nov. 3.
Brown, Sidney G., North Acton, England. Electrical transmission or reproduction of sound. 1,559,847; Nov. 3.
Brown Valve and Manufacturing Co. (See Trumble, Milon J., assignor.)
Brown, Walter C., Salt Lake City, Utah. Track-sanding device. 1,560,403; Nov. 3.
Brown, William G. (See Brown Harold M. and W. G.)
Brown, William P., Black Lick, assignor to Valley Mould & Iron Corporation, Sharpsville, Pa. Method and apparatus for casting ingots. 1,560,036; Nov. 3.
Bruen, Herbert M., et al., trustees. (See Day, Paul W., assignor.)
Buchanan, Guy H. (See Landis, W. S., and Buchanan.)
Buchli, Jacob, Winterthur, Switzerland. Combined steam and internal-combustion engine locomotive. 1,559,548; Nov. 3.
Buckwalter, Tracy V., assignor to Timken Roller Bearing Company, Canton, Ohio. Pocket-bearing construction. 1,559,670; Nov. 3.
Budd Wheel Company. (See Nelson, Emil A., assignor.)
Bullock, Albert. (See Langston, James F., assignor.)
Bullock, Charles A. H., London, England. Automatic feeding device for printing presses. 1,559,549; Nov. 3.
Bullock, Ernest L., and E. S. Umstead, Providence, R. I. Soldering-iron furnace. 1,559,671; Nov. 3.
Bunt, Alfred E., Toronto, Ontario, Canada. Automobile driver's seat. 1,559,672; Nov. 3.
Burdette, Richard S., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Air bag. 1,560,463; Nov. 3.
Burgert, Willard C., and R. Heuer, Tampa, Fla. Display device. 1,559,848; Nov. 3.
Burrell, D. H., & Co. (See Feldmeier, Harvey, assignor.)
Bushey, Jay, New York, N. Y. Four-wheel brake for automobiles. 1,560,037; Nov. 3.
Buteborn, William C., New Brighton, N. Y. Photographic apparatus. 1,559,936; Nov. 3.
Butterfield, Fred, & Co. (See Vandergaw, E. B., and Heinrich, assignors.)
Calkins, Frederick A., McKenzie, N. Dak. Rheostat. 1,560,405; Nov. 3.
Cambridge Glass Company. (See Powell, James C., assignor.)
Cameron, Alphonso G., New York, N. Y. Releasing hook. 1,559,849; Nov. 3.
Camp, Frank W., San Francisco, Calif. Blasting process and means therefor. 1,560,038; Nov. 3.
Campbell, Raymond, Dallas, Tex. Advertising insert for motor-vehicle tail lights. 1,560,464; Nov. 3.
Capstan Glass Company. (See Kucera, Peter, assignor.)
Capstan Glass Company. (See McNamara, William, assignor.)
Cardarelli, Philip, Kansas City, Mo. Nursing-bottle holder. 1,559,740; Nov. 3.
Carey, James A., assignor to The Standard Stoker Co., Inc., New York, N. Y. Stoker. 1,560,203; Nov. 3.
Carey, James A., assignor to Standard Stoker Company, Incorporated, New York, N. Y. Stoker. 1,560,204; Nov. 3.
Carnahan Industrial Engineering Corporation. (See Carnahan, John W., assignor.)
Carnahan, John W., Washington, D. C., assignor to Carnahan Industrial Engineering Corporation, Bridgeport, Conn. Wheel-hub construction. 1,559,673; Nov. 3.
Carpenter, Arthur W., New York, N. Y. Color motion-picture photography. 1,559,674; Nov. 3.
Carr Fastener Company. (See Peterson, John L., assignor.)
Carroll, Houston M., sr., San Antonio, Tex. Attachment for eyeglasses. 1,559,550; Nov. 3.
Carse, David B. (See Hoyt, G. P. B., and Carse.)
Carson, Clarence M., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Treating rubber. 1,560,465; Nov. 3.
Carter, Richard H. (See Perl, A. H. F., and Carter.)
Carty, Maurice W., Boston, Mass. Apparatus for separating solid particles from a gas stream containing them. 1,560,333; Nov. 3.
Carufel, Louis H., Minneapolis, Minn. Sand-dusting screen. 1,560,406; Nov. 3.
Carufel, Louis H., Bismarck, N. Dak. Stencil. 1,560,407; Nov. 3.
Casper, William L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission system. 1,559,850; Nov. 3.
Cassell, William W., Vincennes, Ind. Ice-cream-center mold. 1,560,205; Nov. 3.
Castino, John B., Chicago, Ill. Spotlight. 1,560,039; Nov. 3.
Cerf, Floyd D., assignor to Automobile Equipment Manufacturing Corporation, Chicago, Ill. Automobile bumper. 1,560,040; Nov. 3.
Chaffee, Emory L., Belmont, assignor to J. H. Hammond, jr., Gloucester, Mass. Method and system for the transmission of radiant energy. 1,560,206; Nov. 3.
Chamberlain, Rufus N., Chicago, Ill., assignor to Gould Storage Battery Company. Battery container. 1,560,172; Nov. 3.
Chance, Thomas M., Philadelphia, Pa. Method and apparatus for separating materials of different specific gravities. 1,559,937; Nov. 3.
Chance, Thomas M., Philadelphia, Pa. Apparatus for separating materials of different specific gravities. 1,559,938; Nov. 3.
Chapman, Charles E., assignor of one-half to J. Goodfellow, Fort Edward, N. Y. Combined fire pot and brazing torch. 1,560,016; Nov. 3.
Charlebois, Peter L., Portland, Oreg. Glareshield. 1,560,408; Nov. 3.
Charles Ward Engineering Works, The. (See Ward, Charles E., assignor.)
Charls, George H., assignor to United Alloy Steel Corporation, Canton, Ohio. Resistant-surface alloy of iron. 1,560,207; Nov. 3.
Charms, Harry, New York, N. Y. Vernier dial. 1,560,140; Nov. 3.
Child, Robert C., Brookline, assignor, by mesne assignments, to The Lamson Company, Boston, Mass. Selector device. 1,560,208; Nov. 3.
Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Embossing machine. 1,560,209; Nov. 3.
Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Flexible printing form. 1,560,210; Nov. 3.
Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Removable insert for printing forms. 1,560,211; Nov. 3.
Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Addressing machine. 1,560,212; Nov. 3.
Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Index tab for address plates. 1,560,213; Nov. 3.
Chivily, Nick, New York, N. Y. Portfolio. 1,559,551; Nov. 3.
Choate, Roy E., Cedar Rapids, Iowa. Snowplow. 1,560,141; Nov. 3.
Christensen, Jens P. (See Leder, W. C., and Christensen.)
Christensen, Niels A., Milwaukee, Wis. Compressor control. 1,560,041; Nov. 3.
Citizens of the United States. (See Barger, W. R., Hukill, and Hawkins.)
Clapham, Thomas H., Pittsburgh, Kans. Exhaust-nozzle stand. 1,560,142; Nov. 3.
Clarke, Bruce E., Kansas City, Mo. Firearm cartridge for scenic effects. 1,559,552; Nov. 3.

Clas, Angelo R., Toledo, Ohio, assignor to The Toledo Automotive Products Company. Window-regulating mechanism. 1,560,214; Nov. 3.
Cleland, Chester C., Cleveland Heights, and J. C. Mullnnix, assignors to The Reliance Gauge Column Company, Cleveland, Ohio. Float and making same. 1,560,017; Nov. 3.
Clement, George A., Mount Vernon, N. Y., assignor to Patent Optical Company, Inc. Set of fused bifocal-lens blanks. 1,559,675; Nov. 3.
Clements, Menefee R., South Bend, Ind. Savings bank. 1,560,018; Nov. 3.
Cleveland Folding Machine Company, The. (See Hitchcock, Reuben, assignor.)
Cleveland Gas Burner & Appliance Company. (See Kerr, Harry E., assignor.)
Cleveland Wheelbarrow and Manufacturing Company, The. (See Roemer, Ralph R., assignor.)
Clifford, Edward H., and R. Schumann, Detroit, Mich. Wedding ring. Des. 68,613; Nov. 3.
Clifford, Walter B., Framingham, Mass. Internal-combustion motor. 1,560,143; Nov. 3.
Clifford, Walter B., Vivian, W. Va. Lifting device for vehicle wheels. 1,560,215; Nov. 3.
Cline, Allan J., and T. I. Dekle, assignors to Cline Electric Manufacturing Company, Chicago, Ill. Motor controller. 1,560,216; Nov. 3.
Cline Electric Manufacturing Company. (See Cline, A. J., and Dekle, assignors.)
Clinton, Harry D., Johnson City, N. Y. Jack spool. 1,559,553; Nov. 3.
Clulee, Stephen J., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,559,851; Nov. 3.
Clymer Manufacturing Company. (See Wise, Karl M., assignor.)
Cochrane, Arthur L., Toronto, Ontario, Canada. Fastener for laces, cords, and the like. 1,560,217; Nov. 3.
Cocroft, Susanna, New York, N. Y. Face lifter. 1,560,409; Nov. 3.
Cohen, Samuel, Brooklyn, assignor to Osodampa Corporation, New York, N. Y. Radiofrequency amplifier. 1,560,292; Nov. 3.
Colby, G. E. (See Rowe, Alvin V., assignor.)
Cole, Edward P., assignor to Cole Manufacturing Company, Chicago, Ill. Door structure for heaters. 1,559,554; Nov. 3.
Cole, Edward P., assignor to Cole Manufacturing Company, Chicago, Ill. Furnace. 1,559,676; Nov. 3.
Cole Manufacturing Company. (See Cole, Edward P., assignor.)
Collins, William P., San Francisco, Calif. Door handle. Des. 68,614; Nov. 3.
Columbia Washing Machine Manufacturing Company. (See Pinckney, William E., assignor.)
Comeau, Philippe, New Bedford, Mass. Weaving shuttle. 1,560,334; Nov. 3.
Comey, R. H., Company. (See Wintsch, Victor, jr., assignor.)
Commonwealth Steel Company. (See Gibson, George H., assignor.)
Commonwealth Steel Company. (See Pflager, Harry M., assignor.)
Conde, Harry W., and D. M. Palmer, Ottawa, Ill. Reflector signal. 1,560,410; Nov. 3.
Conklin, William H., assignor of one-half to J. Ovens, Wellfleet, Nebr. Pipe clevis. 1,560,411; Nov. 3.
Connecticut Electric Manufacturing Company, The. (See Both, Tonjes A., assignor.)
Cook, Stanley S. (See Parsons, C. A., Cook, and Ford.)
Cooke, Frank V., Highland Park, assignor to K. B. Goddard, Detroit, Mich. Resilient suspension of vehicle bodies. 1,559,852; Nov. 3.
Cooper, Roy E., Shidler, Okla. Trip reamer. 1,560,019; Nov. 3.
Coopersmith, Rudolph, St. Louis, Mo. Garment. 1,560,218; Nov. 3.
Corcoran, Cornelius B., deceased; M. J. Corcoran, administrator, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,559,677; Nov. 3.
Corcoran, Michael J., administrator. (See Corcoran, Cornelius B.)
Cowen, Stanley, San Francisco, Calif. Game rack. 1,559,678; Nov. 3.
Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling apparatus. 1,559,679; Nov. 3.
Crago, Felix H., Milltown, Mont. Trap. 1,559,853; Nov. 3.
Craig, Ernest A. (See Nicholson, Henry A., assignor.)
Craig, Robert. (See Beery, R. C., and Craig.)
Cramer, Albert N., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-molding apparatus. 1,559,854; Nov. 3.
Cramp, William, & Sons Ships and Engine Building Company. (See Rogers, Frank H., assignor.)
Criqui, Charles A. (See Larkin, Elwood T., assignor.)
Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
Cross, Ray L., Long Island, Va. Pressure system. 1,559,741; Nov. 3.
Crown, Joseph E., and J. R. Haining, assignors of one-third to W. C. Whitney, Agra, Kans. Kafir-corn feeding and heading machine. 1,559,555; Nov. 3.
Cunningham, E. T. (See Danielson, Ernest G., assignor.)
Cunningham, John A., Bethlehem, Pa. Automobile switch mounting. 1,560,412; Nov. 3.
Cunningham, Katherine E., assignor to The H. W. Gossard Co., Chicago, Ill. Sewing-machine attachment for folding and guiding strips of fabric. 1,560,219; Nov. 3.
Curley, Francis X., Worcester, Mass. Device for teaching the touch system of typewriting. 1,560,020; Nov. 3.
Cutler-Hammer Mfg. Co., The. (See Hunter, Richard B., assignor.)
Cutler-Hammer Mfg. Co., The. (See Stoekle, Erwin R., assignor.)
Czochralski, Johann, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Improving alloys and metals. 1,560,335; Nov. 3.
Da Costa, James S., Merchantville, N. J., assignor to The Lamson Company, Boston, Mass. Gravity conveyer chute. 1,560,466; Nov. 3.
Daane, Arthur J., assignor to The Acme Printing Appliance Co., Chicago, Ill. Vibrating roller. 1,559,855; Nov. 3.
Dahl, George B., Woodhaven, N. Y. Oil burner. 1,559,939; Nov. 3.
Daley, Harry H., San Francisco, Calif. Electric air heater. 1,560,377; Nov. 3.
Dalton, William, Schenectady, N. Y. Rail fastener. 1,560,500; Nov. 3.
Dalton, William, Schenectady, N. Y. Rail fastener. 1,560,501; Nov. 3.
Danielson, Ernest G., assignor to E. T. Cunningham, San Francisco, Calif. Multiple-circuit double-throw switch. 1,560,378; Nov. 3.
Darimont, Leopold, Brussels, Belgium. Primary battery. 1,560,379; Nov. 3.
Darr, Earl A., et al., executors. (See Kraft, Henry P.)
Dary, James A., Ottawa, Kans. Milk-can cleaner and steriliser. 1,559,556; Nov. 3.
Davis, Burwell M., Mount Ulla, N. C. Shade-roller and curtain-pole support. 1,560,413; Nov. 3.
Davis, Frank S. (See Beatty, W. T., and Davis.)
Davis, Gilbert G., Portland, Oreg. Log raft. 1,560,021; Nov. 3.
Davis, Kenneth, St. Benedict, Pa., assignor to R. Peale, New York, N. Y. Mining machine. 1,559,742; Nov. 3.
Davison, Gregory C., New London, Conn. Tractor. 1,560,042; Nov. 3.
Davison, Gregory C., New London, Conn. Tractor. 1,560,043; Nov. 3.
Dawson, James C., Webster Groves, Mo. Loose-leaf binder. 1,560,467; Nov. 3.
Day, Paul W., assignor, by mesne assignments, to H. M. Bruen, C. C. Scarlett, and J. Fisher, trustees, Baltimore, Md. Bolster for railway-car bodies. 1,560,144; Nov. 3.
Deagan, J. C., Incorporated. (See Little, Frederick B., assignor.)
Dean, Harvey C., Brooklyn, N. Y. Transformer-dimming method and apparatus. 1,560,022; Nov. 3.
De Baugh, Howard L., R. R. Meeks, and J. E. Strayer, Baltimore, Md., assignors to The Superior Manufacturing Company. Automobile curtain. 1,559,940; Nov. 3.
De Bellescize, Henri J. J. M. de R., Paris, France. Radio receiving system. 1,559,743; Nov. 3.
Decker, Alonzo G., assignor to The Black & Decker Manufacturing Company, Towson, Md. Handle for portable power-driven tool. Des. 68,615; Nov. 3.
De Forest, Lee, New York, N. Y. Sound-reproducing device. 1,560,502; Nov. 3.
De Garmo, James C., et al. (See Greathead, W. F., and Tamblyn, assignors.)
De Haan, Emmanuel, assignor to Société Boucheron & Radius, Paris, France. Piercing, threading, and enamelling transparent precious stones. 1,560,414; Nov. 3.
De Hédouville, Georges, Longwy, and P. Pipereaut, Paris, France. Manufacture of crystallized zinc sulphide. 1,560,380; Nov. 3.
Dekle, Thelma I. (See Cline, A. J., and Dekle.)
Delany, James H., executor. (See Delany, Patrick B.)
Delany, Patrick B., deceased, South Orange, N. J.; J. H. Delany, executor. Sound-reproducing device. Re16,197; Nov. 3.
De Laval Separator Company. (See Hapgood, C. H., and Mayno, assignors.)
De Laval Separator Company, The. (See Petty, Earl, assignor.)
De Leo, Joseph. (See Bontempi, M., and De Leo.)
Demaree, Clarence B., Eminence, Ky. (Filter for cisterns. 1,559,941; Nov. 3.
De Matteis, Alfredo, New York, N. Y. Automatic toaster. 1,560,220; Nov. 3.
Demmler, Henry L., Kewanee, Ill. Molding machine. 1,560,145; Nov. 3.
Dempsey, Mary E., San Luis Obispo, Calif. Folding traveling bag. 1,559,942; Nov. 3.
Denne, Mark T., Warlingham, England. Rotary knife or cutter. 1,559,680. Nov. 3.
Denne, Mark T., Highgate, London, England. Pulling-over machine. 1,559,681; Nov. 3.
Dennert, Henry, Newport, Ky., Shoe. 1,560,023; Nov. 3.
Dennhardt, Chester P., Los Angeles, Calif. Undershot water wheel. 1,560,024; Nov. 3.



Dennison, Charles E., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Stocking form. 1,560,415; Nov. 3.
De Rouville, Andrew R., and J. G. Miller, Albany, N. Y. Automobile locking device for Ford transmission. 1,560,251; Nov. 3.
Derrick, William I., Moline, Ill., assignor to Westco-Chippewa Pump Company, Davenport, Iowa. Liquid-supply system. 1,560,044; Nov. 3.
Deutsche Patent-Grudeofen-Fabrik Walter Rieschel & Co. m. b. H. (See Düllmann, Clemens, assignor.)
De Wergeisky, Wadim. (See Palouectoff, J. P., and Bokhanowsky, assignors.)
De Young, Jacob, Providence, R. I. Pumpless injection valve for Diesel engines. 1,560,025; Nov. 3.
De Zeng, Henry L., Moorestown, N. J., assignor to De Zeng Standard Company, Camden, N. J. Ophthalmoscope. 1,559,557. Nov. 3.
De Zeng, Henry L., Moorestown, assignor to De Zeng Standard Company, Camden, N. J. Diagnostic instrument. 1,559,558; Nov. 3.
De Zeng Standard Company. (See De Zeng, Henry L., assignor.)
Diamond Match Company, The. (See Donnelly, Joseph C., assignor.)
Diamond Match Company, The. (See Traute, Henry C., assignor.)
Diamond Match Company, The. (See Wright, Jacob P., assignor.)
Dickinson, Edgar D., Beverly, and R. G. Standerwick, Marblehead, Mass., assignor to General Electric Company. Valve mechanism. 1,560,416; Nov. 3.
Dickinson, Merian H., Seattle, Wash. Loading engine. 1,559,856; Nov. 3.
Dickson, Vincent C., Seattle, Wash. Game. 1,560,026; Nov. 3.
Diebold Safe & Lock Company, The. (See Scott, Alexander N., assignor.)
Dill, William, Rushville, Ind. Lamp post. Des. 68,616; Nov. 3.
Dixon, Colonel, et al. (See Schults, Jesse E., assignor.)
Dobbins Manufacturing Company. (See Brandt, Henry E., assignor.)
Dodd, James F., Delaware, Ohio. Indicator. 1,560,336; Nov. 3.
Dodge Brothers, Inc. (See Haynes, Frederick J., assignor.)
Dodson, Jack C., Mexia, Tex., assignor to Mexia Planing Mill Company. Wooden sucker-rod guide. 1,560,468; Nov. 3.
Doenges, William F. (See Gabriel, Adam, assignor.)
Doenges, William F. (See Gabriel, A., and Doenges.)
Doenges, William F., San Antonio, Tex. Lever latch for safe locks. 1,560,503; Nov. 3.
Doenges, William F., San Antonio, Tex. Lever handle for safe locks. 1,561,504; Nov. 3.
Dole, Frank E. (See Gudmundsen, A., and Dole.)
Donald, Alexander. (See Gentle, Charles, assignor.)
Donaldson, Eames, Buffalo, N. Y., assignor to The Bronzo Alumina Corporation. Radiator cap. Des. 68,617; Nov. 3.
Donnelly, John F., Brockton, assignor to Panco Rubber Company, Chelsea, Mass. Tap-splitting machine. 1,560,027; Nov. 3.
Donnelly, Joseph C., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for packing matches. 1,559,943; Nov. 3.
Doran, Robert L., Chicago, Ill. Oil burner. 1,559,559; Nov. 3.
Dorman, Morris, Baltimore, Md. Cloth-cutting machine. 1,560,516; Nov. 3.
Dougherty, Edwin E., Los Angeles, Calif. Coin-operated lock. 1,560,146; Nov. 3.
Doughty, Ivan N., assignor to Western Brick Company, Danville, Ill. Machine for producing brick faces. 1,559,682; Nov. 3.
Doughty, Walter H., Martins Ferry, Ohio. Roof support for mines. 1,559,560; Nov. 3.
Douglas, Harry A., Bronson, Mich. Electric switch. 1,559,683; Nov. 3.
Douglas, Harry A., Bronson, Mich. Socket. 1,559,684; Nov. 3.
Douglas, Harry A., Bronson, Mich. Drilling machine. 1,559,685; Nov. 3.
Downey, James H., Gainesville, Ga. Railway spike. 1,560,221; Nov. 3.
Downie, Robert R., assignor to Keystone Driller Company, Beaver Falls, Pa. Excavating machine. 1,560,147; Nov. 3.
Downing, John B., Orange, assignor to Beaver Machine & Tool Co. Inc., Newark, N. J. Feed-through switch. Des. 68,618; Nov. 3.
Doyle, John B., Biddeford, Me. Doughnut-transfer device. 1,560,028; Nov. 3.
Draper Corporation. (See Landry, Oneseme, assignor.)
Dreschler, Louis, St. Louis, Mo. Measuring device for cuffs of trousers. 1,560,417; Nov. 3.
Duckham, Arthur M., London, England. Plant for gasifying fuel. 1,560,337; Nov. 3.
Düllmann, Clemens, assignor to Deutsche Patent-Grudeofen-Fabrik Walter Rieschel & Co. m. b. H., Liebertwolkwitz, near Leipzig, Germany. Furnace for granular fuel such as brown coal coke. 1,559,744; Nov. 3.
Dunbar, Frank H. (See Allen, Frank B., assignor.)
Duncan, Robert D., jr., East Orange, N. J., assignor to Wired Radio Inc., New York, N. Y. Carrier-frequency suppression. 1,560,505; Nov. 3.
Dunlap, Frederick L., assignor to Industrial Appliance Company, Chicago, Ill. Treating flour. 1,560,045; Nov. 3.
Du Pont, E. I., de Nemours & Company. (See Lewis, Harold A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Moran, Robert C., assignor.)
Durand Steel Locker Company. (See Vance, Walter N., assignor.)
Dutro, Leslie C., Long Beach, Calif. Oil cup. 1,560,338; Nov. 3.
Dye, Ira, Seattle, Wash. Metering or measuring device. 1,560,046; Nov. 3.
Dyer, Leonard H., New York, N. Y. Internal-combustion engine. 1,560,506; Nov. 3.
Easter, George J., Niagara Falls, N. Y. Switch for electric sadirons. 1,560,148; Nov. 3.
Eastman Kodak Company. (See Jones, John G., assignor.)
Eastwood, Benjamin, Company. (See Wells, William S., assignor.)
Easy-Pan Greasing Machine Co. (See Molier, Wilhelm, assignor.)
Eby, Benjamin H., Craig, Nebr. Swinging stand for desks. 1,560,149; Nov. 3.
Edelson, Charles Z., J. Goldeen, and M. D. Tarlow, Portland, Oreg. Mattress. 1,559,686; Nov. 3.
Edgewater Steel Company. (See Bell, Frank B., assignor.)
Edinger, Frederick, and A. J. Gelow, assignors to Warren Featherbone Company, Three Oaks, Mich. Reel for tape and like textiles. 1,559,561; Nov. 3.
Edison, Thomas A., West Orange, N. J. Storage battery. 1,559,562; Nov. 3.
Edmister, George, Lincoln, Nebr. Tree stand. 1,559,563; Nov. 3.
Edwards, Jefferson P., Akron, Ohio. Identification certificate. 1,560,047; Nov. 3.
Edwards Manufacturing Company, The. (See Underwood, Albert B., assignor.)
Efcolite Corporation. (See von Nessen, Walter, assignor.)
Egg Machinery Company. (See Harkin, Harry E., assignor.)
Egli, Arnold A., Bern, and H. Graf, assignors to the Firm Polygraphische Gesellschaft, Laupen-Bern, Switzerland. Aligning means for line-by-line composing machines. 1,560,150; Nov. 3.
Egli, Arnold A., Bern,, and H. Graf, assignors to the Firm Polygraphische Gesellschaft, Laupen-Bern, Switzerland. Typographical-point counter. 1,560,339; Nov. 3.
Ehinger, Carl F., Cleveland, Ohio. Adjustable radiator fan. 1,560,173; Nov. 3.
Ehret, Alvin M., Mount Airy, Pa. Treating pipe and boiler coverings. 1,559,564; Nov. 3.
Eipper, Donald W., Turners Falls, Mass. Pulp grinder. 1,560,151; Nov. 3.
Eisemann Magneto Corporation. (See Andrew, Frederick W., assignor.)
Eisenlohr, Carl. (See Hren, J., and Eisenlohr.)
Electric Arc Cutting & Welding Company. (See Holslag, Claude J., assignor.)
Eliot, Samuel, Manchester, Mass. Combination wheel and puncturepoof tire. 1,560,222; Nov. 3.
Ellis, Forrest T., assignor to General Motors Corporation, Detroit, Mich. Crank-shaft-turning device. 1,560,152; Nov. 3.
Ellis-Foster Company. (See Meigs, Joseph V., assignor.)
Eltz, George J., jr. (See Reich, E. J., and Eltz.)
Emrick, George W., Brooklyn, N. Y. Clutch construction for tapping attachments and the like. 1,559,994; Nov. 3.
Engel, Frederick J., Anaheim, Calif. Headlight for automobiles. 1,560,153; Nov. 3.
Englander, Adelbert, Brooklyn, N. Y. Vanity case or the like. 1,560,223; Nov. 3.
Epstein, Samuel I., Brooklyn, N. Y. Candy unit. Des. 68,619; Nov. 3.
Erickson, Charles F., New York, N. Y. Hanger. 1,560,029; Nov. 3.
Ericksen, Victor, San Francisco, Calif. Oil can. 1,560,340; Nov. 3.
Erie Steam Shovel Company. (See Armstrong, Edwin J., assignor.)
Eshelman, Herbert. (See McLam, W. C., and Eshelman.)
Eshelman, Herbert, and W. C. McLam, Spokane, Wash. Lever lock. 1,560,252; Nov. 3.
Estes & Blum, Inc. (See Estes, Thomas W., assignor.)
Estes, Thomas W., assignor to Estes & Blum, Inc., New York, N. Y. Textile fabric. Des. 68,620; Nov. 3.
Estes, Thomas W., assignor to Estes & Blum, Inc., New York, N. Y. Textile fabric. Des. 68,621; Nov. 3.
Estes, Thomas W., assignor to Estes & Blum, Inc., New York, N. Y. Textile fabric. Des. 68,622; Nov. 3.
Everett, Edward A., Long Island City, N. Y. Lightning arrester. 1,559,857; Nov. 3.
Evich, Jerie, Santa Barbara, Calif. Direction indicator. 1,559,603; Nov. 3.
Ewing, Herbert O., Middleport, Ohio. Engine starter. 1,560,154; Nov. 3.

Fabrik Chem. Gravüren, Luppe & Heilbronner, Gesellschaft mit beschränkter Haftung. (See Geissler, Erich, assignor.)
Fairchild, Sally, Concord, N. H. Bottle holder. 1,559,687; Nov. 3.
Fairchild, Sherman M., and E. R. Morton, New York. N. Y.; said Morton assignor to Fairchild. Apparatus for photographic cartography. 1,559,688; Nov. 3.
Famous Players-Lasky Corporation. (See Taylor, Loren E., assignor.)
Fanberg, Oscar, Hensley, W. Va. Scraper. 1,559,946; Nov. 3.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Conductor's valve device. 1,559,947; Nov. 3.
Farnsworth, Francis B., Granby, Quebec, Canada. Lighter for cigars, pipes, and the like. 1,559,745; Nov. 3.
Farnum, Frederick E., Boston, Mass. Collapsible-tube container. 1,559,565; Nov. 3.
Farra, Delmar C. (See Purtle, A. D., and Farra.)
Farrar, George L., Columbus, Ohio. Fire-extinguishing attachment for motion-picture machines. 1,560,030; Nov. 3.
Farrell, Stephen A., Brooklyn, N. Y., and M. R. McNeill, Chicago, Ill., assignors to Automatic Gun Control Company, Inc., Brooklyn, N. Y. Means for controlling the movements of ordnance members, sighting instruments, and the like. 1,559,566; Nov. 3.
Farris, Porter C., Brazil, Ind., assignor to Hydraulic-Press Brick Company, St. Louis, Mo. Making ornamental brick. 1,559,948; Nov. 3.
Faultless Rubber Company, The. (See Hoppes, Carlos D., assignor.)
Federal Manufacturing Company. (See Olinger, Thomas, assignor.)
Ferguson, Elmer. (See Lister, Herbert, assignor.)
Feldmeier, Harvey, assignor to D. H. Burrell & Co., Inc., Little Falls, N. Y. Return-bend header for pipes. 1,559,949; Nov. 3.
Fels, Walter T., assignor of one-half to P. J. Kilbride, Philadelphia, Pa. Wall-molding apparatus. 1,560,293; Nov. 3.
Field, Albert H., New York, N. Y. Coin holder. 1,560,074; Nov. 3.
Field, Frank E., Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Inductance device. 1,559,858; Nov. 3.
Filleul, James D., Manchester, N. H. Traction device. 1,560,224; Nov. 3.
Filleul, James D., Manchester, N. H. Trend member. 1,560,225; Nov. 3.
Fingerle, Herman H., New York, N. Y. Valve resenter. 1,560,048; Nov. 3.
Finley, Thomas M., and A. W. Brown, St. Louis, Mo. Detachable valve mounting. 1,560,155; Nov. 3.
Fischer, Ernest, New York, N. Y. Display easel. 1,559,859; Nov. 3.
Fisher, Janon, et al., trustees. (See Day, Paul W., assignor.)
Fisher, Sydney, Westport, Conn. Automatic responding and recording device for telephones. 1,560,226; Nov. 3.
Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)
Fitzgerald, William H. J., Braintree, Mass. Flatiron and making the same. 1,559,860; Nov. 3.
Flarsheim, Edwin S. (See Liebel, J. G. H., and Flarsheim.)
Flath, Howard H., Erie, Pa. Airplane-adjusting device. 1,560,341; Nov. 3.
Fleming, George W., assignor to Fleming Machine Company, Springfield, Mass. Valve grinder. 1,560,469; Nov. 3.
Fleming Machine Company. (See Fleming, George W., assignor.)
Flintkote Company, The. (See Overbury, Frederick C., assignor.)
Florkey, Clarence E., assignor to The Schieble Toy and Novelty Company, Dayton, Ohio. Toy roadster. Des. 68,623; Nov. 3.
Flower, John W., assignor, by mesne assignments, to Michigan Valve Foundry and Engineering Company, Detroit, Mich. Pipe connection. 1,559,861; Nov. 3.
Ford, John. (See Parsons, C. A., Cook, and Ford.)
Ford, Lewis E., Salamanca, N. Y. Tool receptacle or carrier. 1,559,950; Nov. 3.
Foreman, Elmer E., Columbus, Ohio. Route book. 1,559,951; Nov. 3.
Fort Smith Body Company. (See Johnston, Ben B., assignor.)
Foster, William J., Dayton, Ohio. Sheet-steel crank case. 1,560,342; Nov. 3.
Foulk, Albert C., Dayton, Ohio. Liquid-level gauge. 1,560,343; Nov. 3.
Fowler Company. (See Barnes, John A., assignor.)
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for surfacing sheet glass. 1,559,862; Nov. 3.
Frank, William H., Peoria, Ill. Making shoes. 1,559,863; Nov. 3.
Franklin, Wirt. (See Love, F., and Shaw, assignors.)
Frawley, James B., Pittsfield, Mass., assignor to General Electric Company. Dynamo-electric machine. 1,560,344; Nov. 3.
Frazier, Clarence E., and H. R. Lindquist, Chicago, Ill. Air vent and humidifier. 1,560,227; Nov. 3.
French, James W., assignor to Barr and Stroud, Limited, Glasgow, Scotland. Relay and the like. 1,559,567; Nov. 3.
French, Sanford W., Fort Bliss, Tex. Watch holder for vehicle steering wheels. 1,559,952; Nov. 3.
Frickey, Edward H., St. Louis, Mo. Crusher. 1,560,049; Nov. 3.
Friend, Jacob H., Charleston, W. Va. Rim construction for disk wheels. 1,560,345; Nov. 3.
Frost, William. (See Slaght, E. L., jr., and Frost.)
Froussard, Albert F., St. Louis, Mo. Grinder. 1,560,507; Nov. 3.
Fry, Thornton C., Wyoming, N. J., assignor to Western Electric Manufacturing Company, Incorporated, New York, N. Y. Filtering circuit. 1,559,864; Nov. 3.
Fuchs, Oscar E. (See Brown, Harold M., assignor.)
Fuller, Carl T., Nutley, N. J., assignor to General Electric Company. Plastic composition and method of using it. 1,560,346; Nov. 3.
Furman, Thomas H., Los Angeles, Calif. Paddle ball. 1,559,953; Nov. 3.
Gabriel, Adam, Chicago, Ill., assignor to W. F. Doenges, San Antonio, Tex. Lock for handles of safes or vaults. 1,560,508; Nov. 3.
Gabriel, Adam, Chicago, Ill., and W. F. Doenges, San Antonio, Tex.; said Gabriel assignor to said Doenges. Thermally-controlled safety handle for doors. 1,560,509; Nov. 3.
Gair, James, W. S., Williams, London, and E. Jones, Liverpool, England. Vehicle wheel. 1,560,156; Nov. 3.
Gaisman, Lucien, Hooley Hill, near Manchester, England. Rubber-faced paving and like block. 1,560,174; Nov. 3.
Galbraith, Bob L., Oliver Springs, Tenn. Suspenders. 1,560,157; Nov. 3.
Galion Iron Works & Mfg. Co., The. (See Keeler, Raymond W., assignor.)
Gallian, Joseph, San Francisco, Calif. Waterproof paint. 1,560,075; Nov. 3.
Gambon, Lewis A., Canton, Ohio. Vacuum collector. 1,560,347; Nov. 3.
Gardner, John E. (See Bellamy, J. I., and Gardner.)
Garrett, George K., Philadelphia, Pa. Method of and apparatus for making lock washers. 1,560,228; Nov. 3.
Gas Industries Company. (See Levin, Isaac H., assignor.)
Gas Turbine Corporation. (See Harper, William, jr., assignor.)
Gatchell, George S., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Looper-thread-controlling mechanism. 1,559,568; Nov. 3.
Gates, Donald E., administrator. (See Gates, Elmer.)
Gates, Elmer, deceased, Washington, D. C.; D. E. Gates, administrator. Method and apparatus for complete combustion. 1,560,076; Nov. 3.
Gearhart, Ralph W., assignor to Gearhart Sales Cabinet Co., Inc., Clearfield, Pa. Apparatus for filling containers. 1,560,050; Nov. 3.
Gearhart Sales Cabinet Co. (See Gearhart, Ralph W., assignor.)
Gearinger, Charles, assignor to The Magee Carpet Company, Bloomsburg, Pa. Sharpening device. 1,560,348; Nov. 3.
Geisenhöner, Henry, Schenectady, N. Y., assignor to General Electric Company. Electric heating apparatus. 1,560,294; Nov. 3.
Geissler, Erich, Munich-Laim, assignor to the Firm of: Fabrik Chem. Gravüren, Luppe & Heilbronner, Gesellschaft mit beschränkter Haftung, Munich, Germany. Apparatus for producing high-voltage currents for medical treatment. 1,559,746; Nov. 3.
Gelow, Albert J. (See Edinger, F., and Gelow.)
Gelsthorp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making glass sheets. 1,560,077; Nov. 3.
Gelsthorp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 1,560,078; Nov. 3.
Gelsthorp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Method and apparatus for making sheet glass. 1,560,079; Nov. 3.
Gelsthorp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 1,560,080; Nov. 3.
General Electric Company. (See Dickinson, E. D., and Standerwick, assignors.)
General Electric Company. (See Frawley, James B., assignor.)
General Electric Company. (See Fuller, Carl T., assignor.)
General Electric Company. (See Geisenhöner, Henry, assignor.)
General Electric Company. (See Guay, Emile J., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)
General Electric Company. (See Lely, Dirk, jr., assignor.)
General Electric Company. (See Perry, Charles L., assignor.)





General Electric Company. (See Schmidt, August, jr., assignor.)
General Electric Company. (See Tittle, John F., assignor.)
General Electric Company Limited. (See Smithells, Colin J., assignor.)
General Motors Corporation. (See Ellis, Forrest T., assignor.)
General Motors Corporation. (See Richard, Eugene C., assignor.)
General Motors Corporation. (See Rummins, John, assignor.)
General Motors Research Corporation. (See Riedel, Walter W., assignor.)
Gentle, Charles, assignor of one-half to A. Donald, Hamilton, Ontario, Canada. Automobile headlight reflector. 1,559,689; Nov. 3.
Gerenda, George, Duquesne, Pa. Billiard cue. 1,559,569; Nov. 3.
Gerstmayr, Anton F. R. (See Kappes, A., and Gerstmayr.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schaffer, Walter, assignor.)
Giba, Piotr, Chicago, Ill. Permutation lock. 1,559,570; Nov. 3.
Gibson, George H., assignor to Commonwealth Steel Company, St. Louis, Mo. Locomotive truck. 1,559,604; Nov. 3.
Gifford, Harry E., Medford, Mass. Game. 1,559,954; Nov. 3.
Gilman, Arthur S. (See Keck, E. P., and Gilman.)
Ginger, Frank M., Eldorado, Kans. Sign. 1,559,605; Nov. 3.
Gitzendanner, Charles, Brooklyn, N. Y. Strut rod. 1,560,051; Nov. 3.
Glaspey, Warren E., Bridgeton, N. J., assignor to Spring Stopper Company, New York, N. Y. Mechanism for making glass containers. 1,560,158; Nov. 3.
Glaspey, Warren E., Bridgeton, N. J., assignor to Spring Stopper Company, New York, N. Y. Machine for making bottles, etc. 1,560,159; Nov. 3.
Glover, Newton L., and J. A. Hanson, Windom, Minn. Electric burglar detector. 1,559,955; Nov. 3.
Goddard, Karl B. (See Cooke, Frank V., assignor.)
Goldeen, Jacob. (See Edelson, C. Z., Goldeen, and Tarlow.)
Goldstein, Harry E., Indianapolis, Ind. Ceiling plate for lighting fixtures. Des. 68,624; Nov. 3.
Golon, Julius, Suffield, Conn. Tobacco-leaf conveyer. 1,559,690; Nov. 3.
Gonsales, Francisco, and M. Suarez, Habana, Cuba. Apparatus for ironing hats. 1,559,691; Nov. 3.
Goodfellow, Joseph. (See Chapman, Charles E., assignor.)
Goodrich, B. F., Company, The. (See Winkelmann, H. A., and Trumbull, assignors.)
Goodyear Tire and Rubber Company. (See Burdette, Richard S., assignor.)
Goodyear Tire and Rubber Company, The. (See Carson, Clarence M., assignor.)
Goodyear Tire & Rubber Company, The. (See Spear, Ellwood B., assignor.)
Goodyear Tire and Rubber Company, The. (See Weyrick, Warren B., assignor.)
Gorbutt, Sidney B., assignor to Willamette Iron and Steel Works, Portland, Oreg. Intergeared skyline logging engine. 1,559,692; Nov. 3.
Gossard, H. W., Co., The. (See Cunningham, Katherine E., assignor.)
Gould Storage Battery Company. (See Chamberlain, Rufus N., assignor.)
Gowing, Maurice R., Mountain Lakes, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Selective signaling circuits. 1,559,865; Nov. 3.
Graf, Hans. (See Egli, A. A., and Graf.)
Graham, Howard, New Braunfels, Tex. Truss. 1,560,418; Nov. 3.
Grasselli Chemical Company, The. (See Howard, Henry, assignor.)
Gray, Alton L., assignor to The Todd Company, Inc., Rochester, N. Y. Calculating machine. 1,560,381; Nov. 3.
Gray, Ellsworth, Houston, Tex. Pump. 1,559,606; Nov. 3.
Greathead, William F., et al. (See Greathead, W. F., and Tamblyn, assignors.)
Greathead, William F., and M. J. Tamblyn, assignors of one-half to W. F. Greathead and one-half to J. C. De Garmo, Cleveland, Ohio. C clamp. 1,559,866; Nov. 3.
Grebe, A. H., & Co. (See Grebe, Alfred H., assignor.)
Grebe, Alfred H., assignor to A. H. Grebe & Co. Inc., Richmond Hill, N. Y. Variable resistance. 1,560,419; Nov. 3.
Green, Alfred W. (See Milestone, Walter I., assignor.)
Greenwood, Frank E., New Rochelle, assignor to Pine Waste Products, Inc., New York, N. Y. Production of resin. 1,560,420; Nov. 3.
Grier, Harry G., Brooklyn, N. Y. Spark plug. 1,560,081; Nov. 3.
Griffin, Ransom L., Sanford, Fla. Valve-gear-operating mechanism. 1,560,421; Nov. 3.
Griggs, Elmer V., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave-transmission system. 1,559,867; Nov. 3.
Grotenhuis, William J., Chicago, assignor to Bifex Products Company, Waukegan, Ill. Automobile bumper. 1,559,607; Nov. 3.
Grundy, Alfred A., assignor of one-third to himself, one-third to G. Grushlaw, and one-third to J. Sichel, Philadelphia, Pa. Machine for making knitted pile fabrics. 1,560,229; Nov. 3.
Grushlaw, George, et al. (See Grundy, Alfred A., assignor.)
Guarantee Finding Co., Inc., The. (See Martin, Jack, assignor.)
Guay, Emile J., Swampscott, Mass., assignor to General Electric Company. Manufacture of laminated material from spinnable textile woven fabrics and an adhesive binder. Re16,201; Nov. 3.
Gudmundsen, Austin, and F. E. Dole, Salt Lake City, Utah. Sorting device for laundry work. 1,559,608; Nov. 3.
Gullestad, Nils E., Maddock, N. Dak. Clothes mangle. 1,559,609; Nov. 3.
Gulliford, Nicholas L., Peabody, Mass. Heel-shaping machine. 1,559,610; Nov. 3.
Gunderman, Lester S., Pittsburgh, Pa. Mechanical toy. 1,560,052; Nov. 3.
Gunn, Charles H., Oakland, Calif. Combined toilet flush and intake valve. 1,559,956; Nov. 3.
Gutman, Edward J. (See Birnbaum, C., and Gutman.)
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel attaching. 1,559,571; Nov. 3.
Hagan, Joseph F., assignor of one-half to W. C. Kiker, Electra, Tex. Burglarproof tool house. 1,559,957; Nov. 3.
Hahn, Harry W., Washington, D. C. Badge. Des. 68,625; Nov. 3.
Haining, John R. (See Crown, J. E., and Haining.)
Hale, John C., Tarrytown, assignor to Research Corporation, New York, N. Y. Electric control system. 1,559,693; Nov. 3.
Hale, William E., Fort Washington, assignor to R. H. Beaumont Company, Philadelphia, Pa. Skip-hoist equipment. 1,560,230; Nov. 3.
Hall, Bertha E., executrix. (See Hall, Dean S.)
Hall, Dean S., deceased, Marshfield; B. E. Hall, executrix, assignor of one-half to H. W. Scott, Barre, Vt. Tool for apiarists. 1,559,868; Nov. 3.
Hall, Eric E., Chicago, Ill. Floor and wall construction. 1,559,747; Nov. 3.
Hall, Eric E., Chicago, Ill. Wall and partition. 1,559,748; Nov. 3.
Hall, Eric E., Chicago, Ill. Fastening strip. 1,559,749; Nov. 3.
Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Traffic-signal standard. Des. 68,626; Nov. 3.
Haman, George W., La Porte, Ind. Dirigible-spotlight bracket. 1,559,611; Nov. 3.
Hamilton, Paul, Greensburg, Ind., assignor to J. V. Wescott, Chicago, Ill. Track guard rail. 1,559,612; Nov. 3.
Hamilton, Thomas S., Los Angeles, Calif. Attachment for vehicle springs. 1,560,082; Nov. 3.
Hammer, Alice M., Hillsboro, Oreg. Figure toy. 1,559,613; Nov. 3.
Hammond, John H., jr. (See Chaffee, Emory L., assignor.)
Hammond, John H., jr. (See Trenor, Albert D., assignor.)
Hampton, Harrison. (See Asher, Wade H., assignor.)
Hand, Erle H., Stapleton, N. Y. Balance beam for tone arm of talking machines and the like. 1,560,231; Nov. 3.
Hanna, William T., Cincinnati, Ohio. Mechanical stoker. 1,560,083; Nov. 3.
Hanson, Glen and H. G., Minneapolis, Minn. Piston. 1,560,175; Nov. 3.
Hanson, Henry G. (See Hanson, Glen and H. G.)
Hanson, James A. (See Glover, N. L., and Hanson.)
Hapgood, Cyrus H., Nutley, and G. F. Mayno, East Orange, N. J., assignor to De Laval Separator Company, New York, N. Y. Refining vegetable oils. 1,560,084; Nov. 3.
Harkin, Harry E., Ridgefield Park, N. J., assignor to Egg Machinery Company, Inc. Egg machinery and process. 1,560,053; Nov. 3.
Harper, William, jr., New Bloomfield, Pa., assignor, by mesne assignments, to Gas Turbine Corporation, New York, N. Y. Internal-combustion-engine valve. 1,559,694; Nov. 3.
Hartford Empire Company. (See Mulholland, Vergil, assignor.)
Hartley, Ralph V. L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Selective current production and amplification. 1,559,869; Nov. 3.
Harvey, Aro M., Kansas City, Mo. Automatic crossing gate. 1,560,085; Nov. 3.
Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Bottle carrier. 1,559,695; Nov. 3.
Hauser, Frederick, San Francisco, Calif. Mechanical window operator. 1,559,958; Nov. 3.
Hauser, Theodore, Cassopolis, Mich. Bedspring lock. 1,560,232; Nov. 3.

Hawkins, Lona A. (See Barger, W. R., Hukill, and Hawkins.)
Hawkins, Roe C., and E. S. Hixson, Long Beach, Calif. Tractor frame spring support. 1,560,176; Nov. 3.
Haynes, Edward A., Port Huron, Mich. Cable sling, jam and trip hook. 1,559,959; Nov. 3.
Haynes, Frederick J., assignor to Dodge Brothers, Inc., Detroit, Mich. Automobile. 1,559,614; Nov. 3.
Hearn, Julious O., Fentress, Tex. Pump jack. 1,560,086; Nov. 3.
Heberling, John, assignor to Bastian Brothers Company, Inc., Rochester, N. Y. Pin wheel. 1,559,696; Nov. 3.
Hebert, Arsene, Derry, N. H. Stall floor. 1,560,160; Nov. 3.
Heckman, Eugene M., Avalon, Pa. Cleaning compound. 1,559,960; Nov. 3.
Hedenburg, Oscar F. (See Seil, G. E., and Hedenburg.)
Heinitz, Woldemar, Chemnitz, Germany. Mechanical movement for straight hosiery frames. 1,559,902; Nov. 3.
Heinrich, Jules. (See Vandergaw, E. B., and Heinrich.)
Heising, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Generating and modulating system. 1,559,870; Nov. 3.
Heising, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Modulated-wave transmission. 1,560,054; Nov. 3.
Hemm, Paul P., and W. E. Bernstein, Davenport, N. Dak. Poultry-powdering machine. 1,559,750; Nov. 3.
Hendrix, John M., Statesboro, Ga. Commode. 1,560,422; Nov. 3.
Hendrix, William C. (See Lafiteau, C., and Hendrix.)
Henn, Melvin G., St. Louis, Mo. Portable tourist's grate. 1,559,697; Nov. 3.
Henry, Frank M. (See Lunt, R. L., and Henry.)
Henry & Wright Manufacturing Company. The (See Allen, William G., assignor.)
Heuter, Leo A., Hot Springs, Mont. Comb and clip. 1,559,698; Nov. 3.
Herold, Walter F., Newark, N. J., assignor to The Bassick Company, Bridgeport, Conn. Furniture shoe. 1,559,699; Nov. 3.
Hervey, Ben E., Wilmington, assignor, by mesne assignments, to D. M. Hervey, Vallejo, Calif. Child's vehicle. 1,560,423; Nov. 3.
Hervey, Datus M. (See Hervey, Ben E., assignor.)
Heuer, Richard. (See Burgert, W. C., and Heuer.)
Heüsler, Friedrich, assignor to the Firm of Isabellenhuette Gesellschaft mit beschränkter Haftung, Dillenburg, Germany. Treatment of copper alloys. 1,559,963; Nov. 3.
Hewitt, Leslie B., London, England. Electrical current-operated controlling mechanism. 1,559,700; Nov. 3.
Heyman, John, New York, N. Y. Fabric-cutting machine. 1,559,871; Nov. 3.
Hickey, Stanley P., Cold Spring, Wis. Auxiliary wheel tread. 1,560,233; Nov. 3.
Hick ok, W. O., Manufacturing Company. (See Broadmeyer, Albert, assignor.)
Hill Myron F., New York, N. Y. Elevator transmission system. 1,560 055; Nov. 3.
Hill, Richard D., Wichita Falls, assignor of one-third to to J. M. Spellman, Esq., Dallas, Tex. Rotary slip. 1,560,234; Nov. 3.
Hills, Fred M., and J. G. Ambrose, San Diego, Calif.; said Hills assignor to said Ambrose. Excess-speed alarm. 1,559,872; Nov. 3.
Hilsinger, Adin W. (See Brady, H., and Hilsinger.)
Hilsinger, Adin W., Orange, N. J., assignor to Henry Brady, Inc. Paper-cutting mechanism. 1,559,873; Nov. 3.
Hindrichs, Albert J. (See Schauerte, G. W., and Hindrichs.)
Hinds, Sherwood, assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Fluid-pressure motor. 1,559,751; Nov. 3.
Hinsch, Albert O., San Francisco, Calif. Valve. 1,560,235; Nov. 3.
Hi-Power Company, The. (See Lunt, R. L., and Henry, assignors.)
Hirsch, Louis, Mesilla Park, N. Mex. Spark plug. 1,560,510; Nov. 3.
Hirsch, Louis, Mesilla Park, N. Mex. Spark plug. 1,560,517; Nov. 3.
Hirsch, Louis, Mesilla Park, N. Mex. Spark plug. 1,560,512; Nov. 3.
Hirsch, Louis, Mesilla Park, N. Mex. Spark plug. 1,560,513; Nov. 3.
Hirsch, Louis, Mesilla Park, N. Mex. Spark plug. 1,560,514; Nov. 3.
Hirsch, Louis, Mesilla Park, N. Mex. Spark plug. 1,560,515; Nov. 3.
Hirt, Leon E., Los Angeles, Calif. Distilling oil. 1,559,701; Nov. 3.
Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Sheet-feeding machine. 1,560,470; Nov. 3.
Hixson, Ernest S. (See Hawkins, R. C., and Hixson.)
Hjert, Andrew G., Seattle, Wash. Lock. 1,560,424; Nov. 3.
Hoepner, George, Chicago, Ill. Mechanism for transferring cartons or other articles. 1,559,615; Nov. 3.
Hoffman, Andrew, Mfg. Co. (See Bock, Charles S., assignor.)
Holland, Samuel E., Corsicana, Tex. Tool joint. 1,559,874; Nov. 3.
Holmes, Arthur E. (See Holmes, Charles G. and A. E.)
Holmes, Charles G. and A. E., Milwaukee, Wis., assignors to Racine Furnace & Foundry Co. Furnace grate. 1,560,236; Nov. 3.
Holmes, Gustav E., and J. M. and A. G. Bostrum, Milwaukee, Wis. Glass window for automobiles. 1,559,752; Nov. 3.
Holslag, Claude J., South Orange, assignor to Electric Arc Cutting & Welding Company, Newark, N. J. Electrode for Arc Welding. 1,559,875; Nov. 3.
Hopkins, Arthur C., Niles, Mich. Gear reduction. 1,560,161; Nov. 3.
Hopkinson, Ernest, New York, N. Y. Vulcanising. 1,559,702; Nov. 3.
Hoppes, Carlos D., assignor to The Faultless Rubber Company, Ashland, Ohio. Ornamentation. 1,560,472; Nov. 3.
Horne, John F., Portland, Me. Milk strainer. 1,560,471; Nov. 3.
Horton, Bryson D., assignor to Square D Company, Detroit, Mich. Name-plate holder. Des. 68,627; Nov. 3.
Horton, Joseph W., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,559,753; Nov. 3.
Horton, Joseph W., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Source of waves of constant frequency. 1,560,056; Nov. 3.
Hottmann, Charles W., Philadelphia, Pa. Method of and apparatus for washing bottles. 1,560,237; Nov. 3.
Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Process and apparatus for crystallization. 1,559,703; Nov. 3.
Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Continuous crystallizing apparatus. 1,560,473; Nov. 3.
Hoyt, Gabriel P. B., Jamaica, and D. B. Carse, Sharon, Conn. Carburetor. 1,560,238; Nov. 3.
Hren, Joseph, Kingston, N. Y., and C. Eisenlohr, Newark, N. J. Machine for making paper-box blanks. 1,560,162; Nov. 3.
Hubbard, George E., Hastings, Minn. Filler tube and plug. 1,559,704; Nov. 3.
Hudson, George R., Superior, Nebr. Railway-crossing signal. 1,559,876; Nov. 3.
Hudson, Harry L., Brooklyn, N. Y. Table. 1,560,239; Nov. 3.
Huff, George S., Cape May Court House, assignor of one-half to G. O. Lange, Cape May, N. J. Wave and tide motor. 1,560,425; Nov. 3.
Huggins, Kenneth L., South Hartford, N. Y. Safety wheel attachment for vehicles. 1,559,877; Nov. 3.
Hughes, Robert R., jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Flat-seam sewing machine. 1,560,163; Nov. 3.
Hukill, William V. (See Barger, W. R., Hukill, and Hawkins.)
Humphreys, Victor B., Los Angeles, Calif. Collapsible camp cupboards. 1,559,878; Nov. 3.
Hunter, Richard B., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Circuit controller. 1,560,057; Nov. 3.
Hurm, Horace, Paris, France. Vibrating device. 1,560,253; Nov. 3.
Hurtt, C. B., et al., trustees. (See Brown, Lloyd, assignor.)
Hutchinson, Ely C., assignor to The Pelton Water Wheel Co., San Francisco, Calif. Bearing Construction. 1,599,879; Nov. 3.
Huyck, F. C., & Sons. (See Russell, Oscar L., assignor.)
Huyck, F. C., & Sons. (See Wilson, Ezekiel J., assignor.)
Hydraulic-Press Brick Company. (See Farris, Porter C., assignor.)
Hydraulic Press Manufacturing Company. (See Stevenson, F. E., and Stacy, assignors.)
Illinois Glass Company. (See Seabold, Walter G., assignor.)
Industrial Appliance Company. (See Dunlap, Frederick L., assignor.)
Industrial Controller Company. (See Van Valkenburg, Hermon L., assignor.)
Industrial Research Corporation. (See Brockway, Carl P., assignor.)
International Harvester Company. (See Johnston, Edward A., assignor.)
Independent Pneumatic Tool Company. (See Levedahl, Axel, assignor.)
Ionides, Philip D., London, assignor of one-half to Ransomes & Rapier Limited, Ipswich, Suffolk, England. Crane. 1,559,880; Nov. 3.
Irving Airchute Company. (See Ball, Guy M., assignor.)
Irving-Pitt Manufacturing Company. (See Pitt, William P., assignor.)
Isabellenhuette Gesellschaft mit beschränkter Haftung. (See Heüsler, Friedrich, assignor.)
Isleib, Charles A., Maywood, N. J. Ribbon block. 1,559,754; Nov. 3.
Jackson, Albert C., Dayton, Ohio. Display tray. 1,559,964; Nov. 3.





Jackson, Albert H., Muswell Hill, England. Electric-motor-control system. 1,560,382; Nov. 3.
Jackson, John W., Augusta, Ga. Rotary kitchen cabinet. 1,559,705; Nov. 3.
Jackson, Louis F., Alexandria, La. Wrench cup. 1,560,254; Nov. 3.
Jacob, Bruno E., Ripon, Wis. Badge. Des. 68,628; Nov. 3.
Jaenichen, Louis, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. 1,559,755; Nov. 3.
James, Daniel, Essendon, and W. H. Kendell, Lubeck, Victoria, Australia. Wheel for tractors and certain farming implements. 1,560,383; Nov. 3.
James, Daniel, Essendon, and W. H. Kendell, Lubeck, Victoria, Australia. Wheel for tractors and certain farming implements. 1,560,384; Nov. 3.
Jamieson, John, Portland, Me. Card index. 1,560,058; Nov. 3.
Janes, Henry E., assignor to Janes & Kirtland, Inc., New York, N. Y. Metal cabinet construction. 1,560,255; Nov. 3.
Janes & Kirtland, Inc. (See Janes, Henry E., assignor.)
Jarnagin, William F., Rutledge, Tenn. Truck. 1,560,164; Nov. 3.
Jelley, Edwin E., Malvern, South Africa. Photographic sensitizer. 1,560,240; Nov. 3.
Jennings, John F., Cleveland, Ohio. Pipe fitting. 1,559,706; Nov. 3.
Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 1,560,474; Nov. 3.
Jensen, Louis, assignor to United Autograph Register Co., Chicago, Ill. Autographic register. 1,560,475; Nov. 3.
Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 1,560,476; Nov. 3.
Jessip, Perry J., Atchison, Kans. Automatic safety bumper. 1,559,965; Nov. 3.
Johns, Chilion B., Ebensburg, Pa. Electrically-heated sanding nozzle. 1,560,256; Nov. 3.
Johnson Bros. Engineering Corporation. (See Johnson, Louis J. and H. L., assignors.)
Johnson, Harry L. (See Johnson, Louis J. and H. L.)
Johnson, John A., New York, N. Y. Head for spinning closures on bottles, jars, and the like. 1,560,059; Nov. 3.
Johnson, Louis J., Mishawaka, and H. L. Johnson, Indianapolis, assignors to Johnson Bros. Engineering Corporation, South Bend, Ind. Outboard motor. 1,559,616; Nov. 3.
Johnson, Philip H., assignor to Roadless Traction Limited, Gunnersbury House, Hounslow, Middlesex, England. Assembling links. 1,560,257; Nov. 3.
Johnson, Tomlinson F., jr., Atlanta, Ga. High-tension switch. 1,560,165; Nov. 3.
Johnston, Ben B., assignor to Fort Smith Body Company, Fort Smith, Ark. Fastener for stake gates. 1,559,881; Nov. 3.
Johnston, Edward A., assignor to International Harvester Company, Chicago, Ill. Tractor. 1,559,617; Nov. 3.
Jones, Arthur, assignor to U. S. Smelting Furnace Company, Belleville, Ill. Ladle carrier. 1,560,241; Nov. 3.
Jones, Dewey L., Columbus, Ga. Rod finger. 1,560,258; Nov. 3.
Jones, Edwin. (See Gair, J., Williams, and Jones.)
Jones, Elmer M., and S. W. Vance, Atlanta, Ga.; said Vance assignor to said Jones. Vending machine. 1,560,242; Nov. 3.
Jones, John D., Highland Park, Ill. Water motor. 1,560,166; Nov. 3.
Jones, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Semiautomatic film-spooling lathe. 1,560,167; Nov. 3.
Jones, R. A., and Company. (See Jones, Ruel A., assignor.)
Jones, Ruel A., assignor to R. A. Jones and Company, Incorporated, Covington, Ky. Collapsed-carton-feeding device for carton-filling machines. 1,559,707; Nov. 3.
Juneau, Joseph C., Aurora, Ill. Radiator cap. Des. 68,629; Nov. 3.
Kaczorowski, Bernard, Yonkers, N. Y. Waterproof container for personal accessories. 1,560,243; Nov. 3.
Kalamazoo Loose Leaf Binder Company. (See Newman, George W., assignor.)
Kalamazoo Loose Leaf Binder Company. (See Wigginton, George P., assignor.)
Kalff, William P., Hawthorne, N. J. Switch-point guard. 1,560,244; Nov. 3.
Klimpe, Hans, Berlin, Germany. Gas heating stove. 1,559,882; Nov. 3.
Kapner, Charles, Bellaire, Ohio. Producing enameled metal signs. 1,559,572; Nov. 3.
Kappes, Andrew, A., and F. R. Gerstmayr, assignors to Wm. Wrigley, Jr. Co., Chicago, Ill. Package-delivery mechanism for wrapping machines. 1,559,618; Nov. 3.
Karitzky, Frederick W., Garwood, assignor to H. B. Newhall, Plainfield, N. J. Alloy and method. 1,559,620; Nov. 3.
Karitzky, John, Garwood, assignor to H. B. Newhall, Plainfield, N. J. Corrugated nail expansion. 1,559,619; Nov. 3.
Karr, Alfred D., Newark, N. J., and K. D. Perkins, New York, N. Y. Air-cooled refrigerating machine. 1,559,883; Nov. 3.
Karral, Charles, Danville, Ill. Forge. 1,560,259; Nov. 3.
Kasch, Henry J., assignor to The Kurs-Kasch Company, Dayton, Ohio. Molding press. 1,559,884; Nov. 3.
Kaye, John A., Sault Ste. Marie, Ontario, Canada. Combined envelope and letter sheet. 1,559,621; Nov. 3.
Keck, Edward P., assignor to A. S. Gilman, Cleveland, Ohio. Carbon-paper-feeding device for duplicating typewriting machines. 1,560,060; Nov. 3.
Keech, Fred W., et al. (See Wood, Joseph E., assignor.)
Keeler, Raymond W., assignor to The Gallon Iron Works & Mfg. Co., Gallon, Ohio. Course-indenting attachment for road rollers. 1,560,295; Nov. 3.
Kelley, Walter E., Millbridge, Me. Gear remover and replacer. 1,559,885; Nov. 3.
Kellogg, Leroy D., Deerfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,560,245; Nov. 3.
Kellogg Switchboard and Supply Company. (See Kellogg, Leroy D., assignor.)
Kellogg Switchboard and Supply Company. (See Meyers, John F., assignor.)
Kelsey, Walter H., Hutchinson, Kans. Mattress and making the same. 1,559,708; Nov. 3.
Kemp, William E., New York, N. Y. Carburetor. 1,559,756; Nov. 3.
Kendell, William H. (See James, D., and Kendell.)
Kent, Arthur A., Ardmore, Pa. Ignition apparatus. 1,560,246; Nov. 3.
Kent, Arthur A., Ardmore, Pa. Ignition apparatus. 1,560,247; Nov. 3.
Kerkhoff, Joseph. (See Lingle, G. W., and Kerkhoff.)
Kerler, Ernest A. (See Wentorf, R. H. and Kerler.)
Kerr, Harry E., assignor to The Cleveland Gas Burner & Appliance Company, Cleveland, Ohio. Gas burner. 1,560,248; Nov. 3.
Kerrigan, Thomas, Mahoney Plane, Pa. Fuse cap. 1,560,260; Nov. 3.
Kessler, John W., Philadelphia, Pa. Shock absorber. 1,560,477; Nov. 3.
Keystone Driller Company. (See Downie, Robert R., assignor.)
Kiker, W. C. (See Hagan, Joseph F., assignor.)
Kilbride, Paul J. (See Fels, Walter T., assignor.)
Kimmel, Charles P. (See McManus, F. L., and Kimmel.)
Kinch, Earl L., assignor to Waterbury Buckle Company, Waterbury, Conn. Pin-ticket machine. 1,559,966; Nov. 3.
King, George B., South Boston, Va. Sheet-metal roofing. 1,559,967; Nov. 3.
Kish, Herbert W., Chicago, Ill. Self-filling fountain pen. 1,560,061; Nov. 3.
Kleineschay, Walter, Prentice, Wis. Infant's bath cot. 1,560,261; Nov. 3.
Kleschka, John J., Waterbury, Conn. Pen. 1,559,968; Nov. 3.
Klötzer Max, Dresden, Germany. Production of combustible gas. 1,559,622; Nov. 3.
Knapp, Moses A., Oakland, Calif. Rock drill. 1,559,709; Nov. 3.
Knoburn Products Corporation. (See Pfeiffer, Charles C., assignor.)
Knutson, Nathaniel O., Berwick, N. Dak. Shocker attachment for harvester binders. 1,560,262; Nov. 3.
Koib, William, St. Louis, Mo. Ironing table. 1,559,623; Nov. 3.
Kopke, Otto J., Hutchinson, Kans. Clothespins. 1,559,886; Nov. 3.
Kopp, Philip E., Kansas City, Mo. Container for liquids. 1,559,624; Nov. 3.
Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillips and E. A. Darr, executors. Tire valve. 1,559,887; Nov. 3.
Kucera, Peter, Pittsburgh, assignor to Capstan Glass Company, South Connellsville, Pa. Method and apparatus for cooling glassware and the like. 1,560,062; Nov. 3.
Kucera, Peter, assignor to Capstan Glass Company, Connellsville, Pa. Method and apparatus for conserving heat from industrial furnaces. 1,560,063; Nov. 3.
Kucera, Peter, South Connellsville, assignor to Capstan Glass Company, Connellsville, Pa. Forming machine. 1,560,064; Nov. 3.
Kuka, Eugene R., Brooklyn, assignor to C. D. Wood Electric Co., Inc., New York, N. Y. Canopy switch. 1,559,888; Nov. 3.
Kunz, Edward A., Wilmette, Ill. Reproducing half-tone printing plates. 1,559,710; Nov. 3.
Kupets, Adolph G., New Rochelle, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,559,889; Nov. 3.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,560,249; Nov. 3.
Kurs-Kasch Company, The. (See Kasch, Henry J., assignor.)
Kusterer, Carl C., Grand Rapids, assignor of one-third to St. Johns Table Company, Cadillac, and one-third to A. Stickley, Grand Rapids, Mich. Expansion table. 1,559,711; Nov. 3.

Kutis, Paul W., Proctor, Minn. Burner. 1,559,625; Nov. 3.
Kyle, William A. (See McLean, N. W., and Kyle.)
Kyniston, Thomas E., Spokane, Wash. Railway indicator. 1,559,626; Nov. 3.
Laabs, Max A., assignor to American Optical Company, Southbridge, Mass. Producing lenses and the product. 1,560,168; Nov. 3.
La Duke, Antoine J., Minneapolis, Minn. Rupture appliance. 1,560,169; Nov. 3.
Lafiteau, Charles A., and W. C. Hendrix, Savannah, Ga. Spark plug for internal-combustion motors. 1,560,087; Nov. 3.
Lake, Robert H., Takoma Park, Md. Power transmission for automobile operated tools. 1,559,712; Nov. 3.
La Mar, Frank C., Pittsburgh, Pa. Renewable electric fuse. 1,559,890; Nov. 3.
Lambert, Robert B., Napa, Calif. Direction indicator. 1,559,627; Nov. 3.
Lamson Company, The. (See Child, Robert C., assignor.)
Lamson Company, The. (See Da Costa, James S., assignor.)
Lamson Company, The. (See Maclaren, James G., assignor.)
Landine, Peter N., Milford, Conn. Cowl ventilator. 1,559,891; Nov. 3.
Landis, Walter S., Whitestone Landing, N. Y., and G. H. Buchanan, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Fumigating. 1,559,892; Nov. 3.
Landry, Onoféme, New Bedford, assignor to Draper Corporation, Hopedale, Mass. Binder finger. 1,560,478; Nov. 3.
Lane, George, and J. E. Patterson, Poughkeepsie, N. Y. Stereoscopic film and projecting same. 1,559,893; Nov. 3.
Lang, John, Chicago, and F. S. Pilarski, Cicero, Ill. Coin or slug actuated signaling device. 1,560,385; Nov. 3.
Lange, Gottlieb O. (See Huff, George S., assignor.)
Lansing, Charles B., Colorado Springs, Colo. Portable Pneumatic Grease Gun. 1,559,894; Nov. 3.
Langston, James F., Lancaster, assignor of one-third to A. Bullock, Los Angeles, Calif. Cabinet plumbing. 1,560,386; Nov. 3.
Larain, Giuseppe C., New York, N. Y. Headrest for barber or like chairs. 1,560,065; Nov. 3.
Larkin, Elwood T., assignor to C. A. Criqui, Buffalo, N. Y. Gas engine. 1,559,628; Nov. 3.
Larsen, Mads M., Colton, Calif. Curtain attachment. 1,559,895; Nov. 3.
Larsen, Mads M., Colton, Calif. Window adjuster and lock. 1,559,896; Nov. 3.
Law, Harry C., Hastings-on-the-Hudson, N. Y. Motor drive for wringers. 1,560,387; Nov. 3.
Lawrence, George H. (See Swendig J., and Lawrence.)
Leake, Thomas C., assignor to Bear Tractor Corporation of America, New York, N. Y. Tractor. 1,559,629; Nov. 3.
Leder, William C., and J. P. Christensen, St. Paul, Nebr. Feeding and watering trough. 1,560,263; Nov. 3.
Ledoux, Simeon, Kansas City, Mo. Fastener. 1,560,264; Nov. 3.
Leibe, Alvin L., Irvington, N. J. Eyeglasses and the like. 1,559,630; Nov. 3.
Leigh, Fred A., Chicago, Ill. Razor-stropping device. 1,559,897; Nov. 3.
Leist, Oscar W., Atchelitz, British Columbia, Canada. Cover for egg crates. 1,560,388; Nov. 3.
Lely, Dirk, jr., Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Incandescent electric lamp for projection purposes. 1,560,265; Nov. 3.
Leon, Lewicki J., Chicago, Ill. Bird cage. 1,559,757; Nov. 3.
Lester, Fred C., Wichita Falls, Tex. Swivel hook. 1,559,713; Nov. 3.
Levedahl, Axel, Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Pneumatic tool. 1,559,631; Nov. 3.
Leveque, Bernard T., Wenham, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Toe-binding machines. 1,559,632; Nov. 3.
Levin, Isaac R., New York, N. Y., assignor, by mesne assignments, to Gas Industries Company, Pittsburgh, Pa. Electrolytic cell. 1,560,250; Nov. 3.
Levinthal, Harry S., Melrose Park, Ill. Filter device. 1,560,266; Nov. 3.
Lewis, Carl P., Burlingame, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of ores. 1,560,170; Nov. 3.
Lewis, Harold A., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive compound and producing same. 1,560,426; Nov. 3.
Lewis, John, Brownville, Me. Making wooden spoons. 1,560,389; Nov. 3.
Liebel, John G. H., and E. S. Flarsheim, Cincinnati, Ohio. Spark gap. 1,560,390; Nov. 3.
Lilienfeld, Julius E., Leipzig, Germany, assignor of one-tenth to J. H. Brickenstein. Releasing electrons in vacuum discharge devices. 1,559,714; Nov. 3.
Lilienfeld, Julius E., Kew Gardens, N. Y. High-vacuum tube. 1,559,715; Nov. 3.
Linard, Alexander, Middle Brighton, near Melbourne, Victoria, Australia. Electrical switch. 1,560,177; Nov. 3.
Lindquist, Helmer R. (See Frazier, C. E., and Lindquist.)
Lindsay Auto Parts Company. (See Lindsay, Thomas J., assignor.)
Lindsay, Thomas J., assignor to Lindsay Auto Parts Company, Indianapolis, Ind. Driving-axle structure for automobiles. 1,559,633; Nov. 3.
Lingle, George W., and J. Kerkoff, Kenosha, Wis. Surveyor's instrument. 1,559,716; Nov. 3.
Lippert, Richard, New York, N. Y. Ham boiler. 1,560,066; Nov. 3.
Lippincott, Fisher H., Philadelphia, Pa. Automatic drive. 1,560,267; Nov. 3.
Lippincott, George A., Philadelphia, Pa. Cutting blanks from irregular-surfaced material. 1,559,717; Nov. 3.
Lisk, George W., Clifton Springs, N. Y. Sprayer. 1,559,718; Nov. 3.
Lister, Herbert, Montreal, Quebec, assignor of one-half to E. Ferguson, Montreal West, Canada. Race-meeting program. 1,559,719; Nov. 3.
Little, Frederick B., assignor to J. C. Deagan, Incorporated, Chicago, Ill. Controlling mechanism. 1,559,758; Nov. 3.
Lobdell, Jesse W., Los Gatos, Calif. Oil saver. 1,560,391; Nov. 3.
Locke, Burton H., Orange, Mass. Trousers pressing device. 1,559,633; Nov. 3.
Loitsch, Charles, New York, N. Y. Grand-piano-body construction. 1,560,268; Nov. 3.
Long, Edward A., New Castle, Pa. Building block. Des. 68,630; Nov. 3.
Loomis, Allen, assignor to The Willys-Overland Company, Toledo, Ohio. Top support. 1,560,269; Nov. 3.
Lotz, William A., assignor to The T. & L. Co., Inc., Newark, N. J. Latch fastener for bags. 1,559,898; Nov. 3.
Love, Fred, and C. Shaw, Healdton, assignors of one-half to W. Franklin, Ardmore, Okla. Bailer head. 1,559,635; Nov. 3.
Lovejoy Development Corporation. (See Lovejoy, Dimmitt R., assignor.)
Lovejoy, Dimmitt R., assignor to Lovejoy Development Corporation, New York, N. Y. Inductance coil. 1,560,178; Nov. 3.
Lowy, Otto, Newark, N. J., assignor, by mesne assignments, to Technical Products Corporation. Prophylactic and making the same. 1,559,899; Nov. 3.
Lubben, Theodore, Clarinda, Iowa. Drying rack for seed corn and the like. 1,560,179; Nov. 3.
Luber, Philip G., Chicago, Ill. Can opener. 1,560,067; Nov. 3.
Ludlow, George M., Evanston, assignor to Sanitary Scale Company, Chicago, Ill. Temperature compensator for spring scales. 1,559,573; Nov. 3.
Lundblad, Emil O., Medford, Mass. Mechanism for stopping reciprocating steam engines. 1,560,270; Nov. 3.
Lunt, Raymond L., and F. M. Henry, assignors to The Hi-Power Company, Minneapolis, Minn. Superheated-steam equipment for internal-combustion engines. 1,560,180; Nov. 3.
Lynger, Erik S., Liljeholmen, Sweden. Apparatus for transmission of heat from one medium to another. 1,560,271; Nov. 3.
MacCarthy, Ralph, Elgin, Ill. Cleaner and scraper for furnace and boiler flues. 1,560,275; Nov. 3.
Macgruer, George S., et al. (See Wesley, Ralph M., assignor.)
MacInnes, Hugh, Jersey City, N. J. Flexible shingle. 1,560,276; Nov. 3.
Maclaren, James G., assignor to The Lamson Company, Syracuse, N. Y. Selecting apparatus for conveyer systems. 1,560,479; Nov. 3.
Maclaren, James G., assignor to The Lamson Company, Syracuse, N. Y. Assorting apparatus for conveyer systems. 1,560,480; Nov. 3.
MacNeill, H. L. (See Paddock, Robert G., assignor.)
Magee Carpet Company, The. (See Gearinger, Charles, assignor.)
Mager, Herbert, Vienna, Austria. Measuring apparatus for boards. 1,560,392; Nov. 3.
Magg, Wolfgang, Vienna, Austria. Portable fire extinguisher. 1,559,721; Nov. 3.
Magwood, John C. P., London, England. Apparatus for playing race games. 1,560,277; Nov. 3.
Mahaffey, Benjamin S., Chicago, Ill. Sediment plug and valve. 1,560,296; Nov. 3.
Mahan, William J., New Haven, Conn. Portable apparatus for identifying electric conductors. 1,560,278; Nov. 3.
Malone, James M. (See Peck, W. A., and Malone.)
Maltba, Rufus L. (See McKenzie, H. W., and Maltba.)
Mandelstamm, Leo. New York, N. Y. Dentifrice. 1,559,722; Nov. 3.
Manhattan Electrical Supply Company. (See Reich, E. J., and Eltz, assignors.)
Mann, Frederick E., Cherrydale, Va. Crystal detector. 1,559,723; Nov. 3.
Marcus, Charles L., New York, N. Y. Bottle or similar container. Des. 68,631; Nov. 3.



Markatos, Spiros C., New York, N. Y. Hat-steaming device. 1,559,636; Nov. 3.
Marks, Charles G., Waukegan, Ill. Stool and the like. 1,560,279; Nov. 3.
Marquardt, Henry, Norfolk, Nebr. Watering trough. 1,560,088; Nov. 3.
Marsh, Everett W. (See Benton, John R., assignor.)
Marsh, Frank A. E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing machine. 1,559,637; Nov. 3.
Martin, Harry C., San Antonio, Tex. Plumbing tool. 1,560,280; Nov. 3.
Martin, Jack, New York, N. Y., assignor to The Guarantee Finding Co., Inc., Newark, N. J. Finger ring. Des. 68,632; Nov. 3.
Martin, William H., New York, N. Y., assignor to American Telephone and Telegraph Company. Wave filter. 1,559,638; Nov. 3.
Marx, Louis, Brooklyn, N. Y. Mechanical toy. 1,560,181; Nov. 3.
Mattice, Royal, Bethlehem, Pa. Repairing cracked or broken structures by electric welding. 1,559,901; Nov. 3.
Mattingly, Albertus B., New York, N. Y. Attachment for sewing machines. 1,560,281; Nov. 3.
Mattingly, Albertus B., New York, N. Y. Attachment for sewing machines. 1,560,282; Nov. 3.
Matselle, John, Cleveland, Ohio. Revolving window sash. 1,559,859; Nov. 3.
Mauterer, Arthur, Dortmund, Germany. Treatment of surfaces under water. 1,559,969; Nov. 3.
Mayno, George F. (See Hapgood, C. H., and Mayno.)
McAusland, Robert J., Oklahoma City, Okla. Combination pressure and vacuum valve. 1,560,272; Nov. 3.
McCandless, William. (See Stucker, C. A., and McCandless.)
McCargar, Joseph R., Grand Rapids, Mich. Table. Des. 68,633; Nov. 3.
McCarron, George C., Kansas City, Mo. Badge. Des. 68,634; Nov. 3.
McCarthy, Edward V., Chicago, Ill. Device for cleaning floor drains. 1,559,900; Nov. 3.
McCray, Charles A., Waynesboro, J. S. McCray, and J. E. Thomas, Hot Springs, Va. Power tool. 1,559,720; Nov. 3.
McCray, Joseph S. (See McCray, Charles A. and J. S., and Thomas.)
McCollum, Earl E., Downers Grove, Ill. Generating gears. 1,560,068; Nov. 3.
McCullough, Frederick S., Wilkinsburg, Pa. Vacuum tube. 1,560,183; Nov. 3.
McGee, Arthur C. (See Shuey, R. L., and McGee.)
McKenzie, Heman W., and R. L. Maltba, Black Earth, Wis. Dishwashing machine. 1,560,278; Nov. 3.
McKinney Manufacturing Company. (See Woernie, Harry E., assignee.)
McLam, Walter C. (See Eshelman, H., and McLam.)
McLam, Walter C., and H. Eshelman, Spokane, Wash. Throttle control. 1,560,274; Nov. 3.
McLean, Norman W., and W. A. Kyle, Palmerston North, New Zealand. Tea measuring and delivering appliance. 1,560,184 Nov. 3.
McManus, Felix L., Philadelphia, Pa., and C. P. Kimmel, Gary, Ind. Metal crosstie. 1,560,069; Nov. 3.
McMillan, Howard O., Minneapolis, Minn. Clamping device for concrete forms. 1,559,574; Nov. 3.
McMillan, Howard O., Minneapolis, Minn. Shore and trench brace. 1,559,575; Nov. 3.
McNamara, William, assignor to Capstan Glass Co., Connellsville, Pa. Furnace feed device. 1,560,070; Nov. 3.
McNeill, Malcom R. (See Farrell, S. A., and McNeill.)
Meader, George W., H. P., and H. T., Oakland, Calif. Trimming tool. 1,559,724; Nov. 3.
Meader, Herman T. (See Meader, George W., H. P., and H. T.)
Meader, Herman T., Oakland, Calif. Transmission-control attachment. 1,559,725; Nov. 3.
Meader, Horace P. (See Meader, George W., H. P., and H. T.)
Meads, James A., Sacramento, Calif. Automobile boiler. 1,560,182; Nov. 3.
Meahl, Philip J., Summit, N. J. Mechanical movement. 1,559,970; Nov. 3.
Medick, Frank C., Columbus, Ohio. Deckling machine. 1,559,576; Nov. 3.
Meeks, Ralph R. (See De Baugh, H. L., Meeks, and Strayer.)
Mehlem, Emma B., Chicago, Ill. Stencil embroidery pattern. 1,560,283; Nov. 3.
Meigs, Joseph V., Montclair, N. J., assignor, by mesne assignments, to Ellis-Foster Company. Oxidising organic bodies. 1,560,297; Nov. 3.
Mein, Albert. (See Mein, Jasper and A.)
Mein, Jasper and A., Osceola Township, Iowa. Snow remover for highways. 1,560,089; Nov. 3.
Merco Nordstrom Valve Company. (See Webster, Milton F., assignor.)
Meredith, Jaquelin M., Norfolk, Va. Motor-vehicle wheel. 1,560,185; Nov. 3.
Merryman, Frank, assignor of one-third to J. H. Newman, Corvallis, Oreg. Micrometer feed guide for platen presses. 1,559,726; Nov. 3.
Merseles, Herbert E., Jersey City, N. J., and F. W. Bemm, Wilmette, Ill., said Bemm assignor to said Merseles. Dishwashing machine. 1,559,727; Nov. 3.
Metal Forms Corporation. (See Moss, R. M., and Pulls, assignors.)
Metal Forms Corporation. (See Trester, Herault A., assignor.
Metropolitan Sewing Machine Corporation. (See Weis, Albert H., assignor.)
Mexia Planing Mill Company. (See Dodson, Jack C., assignor.)
Meyer, Henry C., Belleville, N. J. Temporary binder. 1,559,971; Nov. 3.
Meyers, John F., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Pole-changer switching circuit. 1,560,284; Nov. 3.
Michigan Valve Foundry and Engineering Company. (See Flower, John W., assignor.)
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Method and apparatus for building tire casings. 1,559,972; Nov. 3.
Miech, Otto. (See Bartels, A., and Miech.)
Milestone, Walter I., assignor of one-half to A. W. Green, Oakland, Calif. Cheese cutter. 1,560,090; Nov. 3.
Miller, George, New York, N. Y. Oxford. Des. 68,635; Nov. 3.
Miller, John G. (See de Rouville, A. R., and Miller.)
Miller, Nicholas, Hartford, Conn. Range-finding device. 1,559,728; Nov. 3.
Miller, Richard B., Wabash, Ind. Window-shade bracket. 1,559,902; Nov. 3.
Miller, Royal R., Chicago, Ill., assignor to Miller Traction Tread Company. Track-laying tread drive wheel. 1,559,793; Nov. 3.
Miller Traction Tread Company. (See Miller, Royal R., assignor.)
Minerals Separation North American Corporation. (See Lewis, Carl P., assignor.)
Minerals Separation North American Corporation. (See Stenning, W. W., and Beasley, assignors.)
Mitchell, Frederick G., Hyde Park, London, England. Apparatus for tipping and discharging railway wagons. 1,559,903; Nov. 3.
Mittelstadt, Fred, Wessington, S. Dak. Calf weaner. 1,560,285; Nov. 3.
Mitts & Merrill. (See Willcox, George B., assignor.)
Moburg, Frank O., et al. (See Sell, G. E., and Hedenburg, assignors.)
Moeller, Isak. (See Arkwright, R., and Moeller.)
Moller, Wilhelm, Philadelphia, Pa., assignor, by mesne assignments, to Easy-Pan Greasing Machine Co., Inc., New York, N. Y. Pan-greasing machine. 1,560,394; Nov. 3.
Monk, Travis, Crete, Ill. Controlling means for farm lighting plants. 1,560,395; Nov. 3.
Moore, Albert E., Hansboro, N. Dak. Pot drainer. 1,559,904; Nov. 3.
Moore, Frank, Toronto, Ontario, Canada. Clothesline. 1,559,577; Nov. 3.
Moorman, Hamilton C., Chicago, Ill. Dispensing device. 1,559,905; Nov. 3.
Moran, Robert C., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive and making same. 1,560,427; Nov. 3.
Morgan, Humphrey F., Newark, N. J. Driving mechanism. 1,559,578; Nov. 3.
Morris, Frank E., Philadelphia, Pa., assignor of one-half to J. C. Bergner, Lansdowne, Pa. Forming apparatus. 1,559,729; Nov. 3.
Morton, Edmund R. (See Fairchild, S. M., and Morton.)
Moss, Roy M., and O. B. Pulls, assignors to Metal Forms Corporation, Milwaukee, Wis. Wall form. 1,560,298; Nov. 3.
Mossay, Paul A. H., Ipswich, England. Charging apparatus for use with annealing ovens. 1,560,398; Nov. 3.
Mount, William D., Lynchburg, Va. Method and apparatus for handling foaming and frothing liquids. 1,560,286; Nov. 3.
Mowers, Osmyn, Houston, Tex. Pump. 1,559,579; Nov. 3.
Muehka, Josef, Vienna, Austria, assignor to the Firm Societe d'Exploitation des Pompes Babeq, Paris, France. Boiler feed-water apparatus. 1,559,730; Nov. 3.
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for annealing glassware. 1,560,481; Nov. 3.
Müller, Friedrich, Vienna, Austria. Fuel-injection valve for internal-combustion engines. 1,559,759; Nov. 3.
Muller, George J., Baltimore, Md. Plastic composition. 1,559,731; Nov. 3.
Mulligan, Gerald J., Columbus, Ohio. Variable electric condenser. 1,559,974; Nov. 3.
Mullinnix, John C. (See Cleland, C. C., and Mullinnix.)
Murphy, John A., assignor to Scullin Steel Co., St. Louis, Mo. Reversing-valve mechanism. 1,560,287; Nov. 3.
Murphy, Morton, Rushville, Ind. Sandwich toaster. 1,559,760; Nov. 3.
Murray, Howard J., Brooklyn, N. Y. Automatic speed-changing power-transmission device. 1,559,975; Nov. 3.
Murray, Thomas E., jr., Brooklyn, N. Y. Switch and fuse mounting. 1,559,580; Nov. 3.

Murvay, John, Lorain, Ohio. Child's wagon. 1,560,288; Nov. 3.
Muth, Thomas H., Paterson, N. J. Pipe-flanging tool. 1,560,186; Nov. 3.
Myatt, W. J., & Company Limited. (See Postans, Arthur J., assignor.)
Myers, Shierfield G., Freeport, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Driving means for ships' gyroscopes. 1,560,428; Nov. 3.
Nagy, Eugene J., New Brunswick, N. J. Preparing poultry for packing or display. 1,559,906; Nov. 3.
Nash, Karl J., Kansas City, Mo. Muffler device for telephones. 1,559,581; Nov. 3.
National Malleable and Steel Castings Company. (See Willison, John, assignor.)
Navarre, Placide, Paris, assignor to Société Fraisse Freres, Cavaillon, Vaucluse, and Société P. Navarre & Fils, Paris, France. Automatic and rapid production of crystallized or preserved fruits. 1,560,396; Nov. 3.
Naylor, Joshua G., Hawthorn, near Melbourne, Victoria, Australia. Smoke consumer and fuel economizer. 1,560,187; Nov. 3.
Nebergall, Loran E., Denver, Colo. Underreamer for hydraulic rotary well drilling. 1,559,761; Nov. 3.
Nelessen, John, assignor of one-third to H. Toonen and one-third to J. L. Schnitzler, De Pere, Wis. Joist-supporting bracket. 1,559,582; Nov. 3.
Nelson, Emil A., Abington, assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle brake. 1,559,583; Nov. 3.
Newman, James H. (See Merryman, Frank, assignor.)
Neshiem, Martin K. (See Anthony, Riley E., assignor.)
Ness, Ralph L., Clarkfield, Minn. Wrecking bar. 1,559,976; Nov. 3.
New England Trust Company, trustee. (See Reynolds, Charles D., assignor.)
Newman, George W., Chicago, Ill., assignor, by meane assignments, to Kalamazoo Loose Leaf Binder Company. Permanent transfer binder. 1,559,762; Nov. 3.
Newhall, Henry B. (See Karitzky, John, assignor.)
Nicholson, Henry A., Arkles Bay, assignor to E. A. Craig, Auckland, New Zealand. Steam generator. 1,559,763; Nov. 3.
Nims, Eugene D. (See Sauer, Otto A., assignor.)
Niukkanen, William P., Portland, Oreg. Tooth cleaner. 1,559,584; Nov. 3.
Nolsom, Ole P., South Bend, Ind. Direction indicator for vehicles. 1,560,482; Nov. 3.
Noll, John L., Juniata, Pa. Miniature lamp. 1,560,289; Nov. 3.
Norton, James G., Eltingville, assignor to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 1,559,640; Nov. 3.
Novy, William J., Chicago, Ill. Waistband. 1,559,764; Nov. 3.
Nyback, Emil, and E. Nyman, Hoquiam, Wash. Berth mounting. 1,559,765; Nov. 3.
Nygren, Leander, Birmingham, Ala. Cabinet clamp. 1,560,091; Nov. 3.
Nyman, Emil. (See Nyback, E., and Nyman.)
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Signaling with phase reversals. 1,559,641; Nov. 3.
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Signaling with phase reversals. 1,559,642; Nov. 3.
O'Bannon, Walter A., Tulsa, Okla. Pump packing. 1,559,766; Nov. 3.
O'Brien, Peter T., Salem, Mass. Stretcher and drier for hides. 1,560,290; Nov. 3.
Odquist, Victor, Yonkers, assignor to American Can Company, New York, N. Y. Varnish-can label. 1,560,092; Nov. 3.
Oertel, Oran L., assignor to Spark Safety Starter Corporation, Buffalo, N. Y. Switch-operating device. 1,560,488; Nov. 3.
Ohaver, Isaac S., Indianapolis, Ind. Railway-crossing-gate control. 1,559,977; Nov. 3.
O'Herron, Thomas F., Terre Haute, Ind. Direct-indirect heating and ventilating apparatus. 1,559,767; Nov. 3.
Ohio Match Company, The. (See Parker, Lucian E., assignor.)
Olinger, Thomas, assignor, by meane assignments, to Federal Manufacturing Company, Holland, Mich. Sheet metal and screw connecting means. 1,559,768; Nov. 3.
Olson, Nels E., Bellingham, Wash. Link-making press. 1,560,188; Nov. 3.
Olson, William O., Chicago, Ill. Multiple lubricator. 1,560,299; Nov. 3.
Oman, Carl W., assignor to The Smith & Winchester Mfg. Co., South Windham, Conn. Registry device for bag-making machinery. 1,560,300; Nov. 3.
Orem, Frederick S., Baltimore, Md. Piston ring. 1,560,093; Nov. 3.
Osodampa Corporation. (See Cohen, Samuel, assignor.)
Ott, Charles F., Bucyrus, Ohio. Incubator. 1,560,094; Nov. 3.
Ott-Heiskell Company. (See Roth, Henry G., assignor.)
Otto, Werner, Berlin, Germany. Electrode for unipolar high-frequency therapeutic treatment. 1,559,769; Nov. 3.
Owens, James. (See Conklin, William H., assignor.)
Overbury, Frederick C., Hillsdale, N. J., assignor to The Flintkote Company, Boston, Mass. Roofing. 1,560,301; Nov. 3.
Owen, Sidney. (See Roberts, William F., assignor.)
Owens Bottle Company, The. (See Cramer, Albert N., assignor.)
P. & M. Company, The. (See Warr, Harold G., assignor.)
Paddock, Robert C., assignor of one-half to H. L. MacNeill, San Francisco, Calif. Transmitting means for ultra-violet rays. 1,559,770; Nov. 3.
Padman, Ruby E., Launceston, Tasmania, Australia. Typewriter. 1,559,771; Nov. 3.
Page, Reed H., Slater, Mo. Veterinary syringe. 1,559,978; Nov. 3.
Paisseau, Jean, Paris, France. Machine for varnishing artificial pearls by the dipping process. 1,559,907; Nov. 3.
Palmer, Alfred M., Troy, N. Y. Game apparatus. 1,560,302; Nov. 3.
Palmer, Dana M. (See Conde, H. W., and Palmer.)
Panco Rubber Company. (See Donnelly, John F., assignor.)
Pape, Herman G., New York, N. Y. Double earpiece. 1,560,303; Nov. 3.
Pardee, Frank, Hazleton, Pa. Feeder for coal breaker. 1,560,304; Nov. 3.
Parker, Arthur W., assignor to L. A. Parker, Midwest, Wyo. Dehydrator. 1,560,305; Nov. 3.
Parker, Lloyd A. (See Parker, Arthur W., assignor.)
Parker, Lucian E., assignor to The Ohio Match Company, Wadsworth, Ohio. Link carrier for paper-match machines. 1,560,484; Nov. 3.
Parsons, Charles A., S. S. Cook, and J. Ford, Newcastle-on-Tyne, England; said Cook and Ford assignors to said Parsons. Manufacture of gear wheels. 1,559,908; Nov. 3.
Patent Optical Company. (See Clement, George A., assignor.)
Patterson, J. S., jr., et al. (See Patterson, James S., assignor.)
Patterson, James S., assignor of one-fourth to W. E. Patterson and one-fourth to J. S. Patterson, jr., Abilene, Tex. Fan motor. 1,560,306; Nov. 3.
Patterson, John E. (See Lane, G., and Patterson.)
Patterson, William E., et al. (See Patterson, James S., assignor.)
Paul, Charles A., assignor of one-third to J. Wilson, Portland, Oreg. Stove attachment for automobiles. 1,559,909; Nov. 3.
Peale, Rembrandt. (See Davis, Kenneth, assignor.)
Peale, Rembrandt. (See Peale, Richard, assignor.)
Peale, Richard, assignor to R. Peale, St. Benedict, Pa. Conveyer. 1,559,772; Nov. 3.
Peck, William A., and J. M. Malone, New Haven, Conn.; said Malone assignor to said Peck. Board-tongue cutter. 1,559,979; Nov. 3.
Peeler, Dock J., Nashville, Tenn. Piston. 1,560,307; Nov. 3.
Pelletier, Dominick, Fall River, Mass. Combined curtain and shade hanger. 1,560,096; Nov. 3.
Pelton Water Wheel Co., The. (See Hutchinson, Ely C., assignor.)
Perkins, Karl D. (See Karr, A. D., and Perkins.)
Perl, Albert H. E., and R. H. Carter, Ludbroke Grove, England. Hand-operated cutting and/or gripping device. 1,560,397; Nov. 3.
Perrott, George S., Pittsburgh, Pa., and M. Yablick, New York, N. Y.; said Perrott assignor to said Yablick. Purification of air containing ammonia. 1,559,980; Nov. 3.
Perry, Charles L., Schenectady, N. Y., assignor to General Electric Company. Electrical switch. 1,560,308; Nov. 3.
Petersen, Laurits A., Los Angeles, Calif. Current motor. 1,560,309; Nov. 3.
Petersen, Otto H., Oakland, Calif. Weather strip. 1,560,097; Nov. 3.
Peterson, John L., Grand Rapids, Mich., assignor to Carr Fastener Company, Cambridge, Mass. Curtain fastener. Re16,198; Nov. 3.
Peterson, Oscar, Williston, N. Dak. Attachment for jacks. 1,559,910; Nov. 3.
Peterson, W. F., et al., trustees. (See Brown, Lloyd, assignor.)
Pettersson, Bengt A., Lund, Sweden. Faucet. 1,559,585; Nov. 3.
Petty, Earl, Winfield, Kans., assignor to The De Laval Separator Company, New York, N. Y. Extracting waxes from crude petroleum. 1,559,981; Nov. 3.
Petty, Earl, Winfield, Kans., assignor to The De Laval Separator Company, New York, N. Y. Producing wax-free products from crude petroleum. 1,559,982; Nov. 3.
Pfanstiehl, Carl, and W. O. Bell, assignors to Pfanstiehl Radio Company, Highland Park, Ill. Grid-leak condenser. 1,560,310; Nov. 3.
Pfanstiehl Radio Company. (See Pfanstiehl, C., and Bell, assignors.)
Pfau, William F., assignor to E. Towsley, Cincinnati, Ohio. Swing-saw mounting. 1,560,189; Nov. 3.
Pfeiffer, Charles C., Westfield, assignor to Knoburn Products Corporation, Hoboken, N. J. Fireproof door. 1,559,983; Nov. 3.
Pfleger, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Locomotive tender. 1,559,586; Nov. 3.





Phillips, Edgar J., et al., executors. (See Kraft, Henry P.)
Pierce, Ralph S., Hinsdale, Ill. Anchoring device. 1,560,095; Nov. 3.
Pieters, Julien, Paris, France. Continuous distillation oven. 1,560,311; Nov. 3.
Pilarski, Frank S. (See Lang, J., and Pilarski.)
Pilcher, John V., and J. F. Babbitt, Louisville, Ky.; said Babbitt assignor of his entire right to said Pilcher. Shoulder-strap holder. 1,559,587; Nov. 3.
Pinckney, William E., assignor to Columbia Washing Machine Manufacturing Company, Portland, Oreg. Operating mechanism for washing machines. 1,559,778; Nov. 3.
Pine Waste Products, Inc. (See Greenwood, Frank E., assignor.)
Pine Waste Products, Inc. (See Wallace, Joseph H., assignor.)
Pipereaut, Pierre. (See de Hédouville, G., and Pipereaut.)
Pitt, William P., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Temporary binder. 1,560,398; Nov. 3.
Pitfield, Emlen P., Taunton, Mass. File-sharpening machine. 1,560,312; Nov. 3.
Pittman, Walter F., Kenly, N. C. Fertilizer distributor. 1,560,313; Nov. 3.
Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)
Pittsburgh Plate Glass Company. (See Gelstharp, Frederick, assignor.)
Pittsburgh Plate Glass Company. (See Schneider, Frederick W., assignor.)
Piver, William C., Hillside, N. J. Making sulphur products. 1,559,984; Nov. 3.
Polnoectoff, Jean P., Paris, and J. Bokhanowsky, Toulon, assignors of one-half to W. de Wergelsky, Paris, France. Preventing ships and vessels sinking. 1,560,314; Nov. 3.
Polygraphische Gesellschaft. (See Egli, Arnold A., assignor.)
Polygraphische Gesellschaft. (See Egli, A. A., and Graf, assignors.)
Postans, Arthur J., Leamington Spa, assignor to W. J. Myatt & Company Limited, Birmingham, England. Razor-stropping device. 1,559,774; Nov. 3.
Posner, Israel A., Providence, R. I. Finger ring. Des. 68,636; Nov. 3.
Powell, A. L., Power Co. (See Powell, Alvah L., assignor.)
Powell, Alvah L., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont. Internal-combustion engine. 1,560,492; Nov. 3.
Powell, James C., Byesville, assignor to Cambridge Glass Company, Cambridge, Ohio. Machine for polishing or grinding glass knobs and similar articles. 1,559,643; Nov. 3.
Powell, Tate B., French Broad, Tenn. Double-sole clipper. 1,559,911; Nov. 3.
Powers, Edward O., Chicago, Ill., assignor, by mesne assignments, to F. C. Austin Machinery Company. Combined power-transmitting and steering-gear mechanism. 1,560,098; Nov. 3.
Prenosil, Joseph F., Georgetown, Minn. Beet blocker. 1,560,315; Nov. 3.
Preston, Charles F., sr., Mamaroneck, N. Y. Key. 1,560,399; Nov. 3.
Prince, Harry, Buffalo, N. Y. Cable splice. 1,560,316; Nov. 3.
Proctor & Schwartz, Inc. (See Dennison, Charles E., assignor.)
Pulis, Oscar B. (See Moss, R. M., and Pulis.)
Purdie, Alexander, Wyandotte, Mich. Detachable link. 1,559,775; Nov. 3.
Purtle, Albert D., and D. C. Farra, Marietta, Ohio. Radius rod. 1,559,985; Nov. 3.
Quick, Charles P., Dallas, Tex. Tennis racket. 1,559,986; Nov. 3.
Racine Furnace & Foundry Co. (See Holmes, Charles G. and A. E., assignors.)
Radio Corporation of America. (See Worrall, Henry T., assignor.)
Radio Frequency Laboratories, Incorporated. (See Ballantine, Stuart, assignor.)
Railway Devices Company. (See Arkwright, R., and Moeller, assignors.)
Ransomes & Rapier Limited. (See Ionides, Philip D., assignor.)
Rauch, John W. and R. R., Newport, Wash. Saw grinder. 1,560,317; Nov. 3.
Rauch, Royal R. (See Rauch, John W. and R. R.)
Rea, Philip M. (See Young, J. A., and Rea.)
Read, Harry S., New Haven, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Thermionic repeater or oscillator circuits. 1,559,776; Nov. 3.
Reed, Walter F., Chicago, Ill. Gasoline-tank gauge. 1,560,318; Nov. 3.
Regenauer, Henry, St. Paul, Minn. Knockdown building. 1,560,320; Nov. 3.
Reed, Walter F., Chicago, Ill. Electric lamp. 1,560,319; Nov. 3.
Reich, Edwin J., Brooklyn, and G. J. Elts, jr., assignors to Manhattan Electrical Supply Company, Inc., New York, N. Y. Loud speaker. 1,559,777; Nov. 3.





Reichel, Hugo, Chicago, Ill. Tire buffer. 1,559,588; Nov. 3.
Reid, Robert S., Prince Albert, Saskatchewan, Canada. Sash fastener. 1,560,429; Nov. 3.
Reinhardt, James H., East Orange, assignor of one-fifth to T. F. Bourne, Montclair, N. J. Perforating machine. 1,559,987; Nov. 3.
Rekar, Jay J., Los Angeles, Calif. Therapeutic lamp. Des. 68,637; Nov. 3.
Reliable Safety Valve Co. et al. (See Wood, Joseph E., assignor.)
Reliance Gauge Column Company, The. (See Cleland, C. C., and Mullinnix, assignors.)
Relkin, Morris, New York, N. Y. Bowl. 1,559,644; Nov. 3.
Remington Typewriter Company. (See Barney, Edwin E., assignor.)
Remington Typewriter Company. (See Seib, George A., assignor.)
Research Corporation. (See Hale, John C., assignor.)
Reynolds, Charles D., Cranston, R. I., assignor, by mesne assignments, to The New England Trust Company, trustee. Winding machine. 1,559,778; Nov. 3.
Rice, John, Burlington, N. J. Device for casting indicia on pipes. 1,559,779; Nov. 3.
Rich, Charles H., Woolrich, Pa. Combination tool. 1,559,780; Nov. 3.
Rich, George R., Battle Creek, Mich. Heat-resisting alloy steel and article made therefrom. 1,560,099; Nov. 3.
Richard, Eugene C., Flint, assignor to General Motors Corporation, Detroit, Mich. Vacuum-pump system. 1,560,190; Nov. 3.
Richman, Walter H., Philadelphia, Pa. Cover for cans. 1,560,100; Nov. 3.
Rickert-Shafer Company. (See Boehm, Rudolph A., assignor.)
Rickert-Shafer Company. (See Shafer, Arthur A., assignor.)
Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe stiffener and making it. 1,559,645; Nov. 3.
Ricks, Fred. (See Smith J., and Ricks.)
Riedel, Walter W., assignor to General Motors Research Corporation, Dayton, Ohio. Indicating device. 1,560,111; Nov. 3.
Riley, George B., East Dulwich, England. Reenforced glass. 1,560,321; Nov. 3.
Ritter, Adolph P., Chicago, Ill. Sanitary toothbrush rack. 1,560,101; Nov. 3.
Roadless Traction Limited. (See Johnson, Philip H., assignor.)
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Ring. Des. 68,638; Nov. 3.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Ring. Des. 68,639; Nov. 3.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Ring. Des. 68,640; Nov. 3.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Gem-set ring. Des. 68,641; Nov. 3.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Finger ring. Des. 68,642; Nov. 3.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Finger ring. Des. 68,643; Nov. 3.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Gem-set finger ring. Des. 68,644; Nov. 3.
Roberts, John, Wisner, Nebr. Hog oiler. 1,559,781; Nov. 3.
Roberts, William F., assignor of one-half to S. Owen, Phoenix, Ariz. Rifle barrel and sight protector. 1,560,322; Nov. 3.
Robertson, Charles H., and C. L. Allison, Salem, Oreg. Fever cure and fever-prevention means. 1,560,323; Nov. 3.
Rode, Frank S., Jeannette, Pa. Game board. Des. 68,645; Nov. 3.
Roemer, Ralph R., assignor to The Cleveland Wheelbarrow and Manufacturing Company, Cleveland, Ohio. Wheelbarrow. 1,559,646; Nov. 3.
Roessler & Hasslacher Chemical Company, The. (See Seil, G. E., and Hedenburg, assignors.)
Rogers, Clancy M., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Drum washer. 1,560,112; Nov. 3.
Rogers, Frank H., Philadelphia, Pa., assignor to William Cramp & Sons Ship and Engine Building Company. Governor. 1,559,782; Nov. 3.
Rogers, Robert B., Chewelah, Wash. Conveyer. 1,560,430; Nov. 3.
Rogler, John, Jefferson, Wis. Lock nut. 1,560,324; Nov. 3.
Rohrbach, Adolf, Berlin-Charlottenburg, Germany. Landing chassis for aircraft. 1,559,912; Nov. 3.
Roof, George V. (See Roof, John H., and G. V.)
Roof, John H. and G. V., Dayton, Ohio. Tree wagon. 1,559,913; Nov. 3.
Rose, Samuel S., and S. L. Swope, San Jose, Calif. Cluster hook. 1,559,783; Nov. 3.
Rosenstein-Strauss Corporation. (See Strauss, Ira, assignor.)
Rösler, Ernst R. G. A., assignor to the Firm Simplo Füllfeder-Gesellschaft Voss, Lausen & Dziambor, Hamburg, Germany. Automatically-filling fountain pen. 1,560,485; Nov. 3.

Ross, Ernest H., Iowa City, Iowa. Walking cane. Des. 68,646; Nov. 3.
Roth, Henry G., assignor to Ott-Heiskell Company, Wheeling, W. Va. Pocket-knife-display cabinet. 1,559,647, Nov. 3.
Rousseau, George E. C., Sacramento, Calif. Cyanide tank. 1,559,914; Nov. 3.
Rowe, Alvin V., Galesburg, assignor to G. E. Colby, Maywood, Ill. Fuel-saving device for automobiles. 1,559,784; Nov. 3.
Roy, Robert E., Oakland, Calif. Tractor. 1,560,325; Nov. 3.
Royal Metal Lighting Fixture Company. (See Siptrott, Paul, assignor.)
Royer Foundry & Machine Co. (See Royer, George F., assignor.)
Royer, George F., assignor to Royer Foundry & Machine Co., Wilkes-Barre, Pa. Method of and apparatus for separating and blending molders' sand. 1,559,915; Nov. 3.
Royer, George F., assignor to Royer Foundry & Machine Co., Wilkes-Barre, Pa. Separator for granular material. 1,559,916; Nov. 3.
Rueckert, Ernest F., Providence, R. I. Vanity box. 1,560,102; Nov. 3.
Rummins, John, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich. Device for seating valves. 1,560,486; Nov. 3.
Russell, Oscar L., Albany, assignor to F. C. Huyck & Sons, Rensselaer, N. Y. Couch-roll jacket. 1,559,785; Nov. 3.
Rutherford, Grace G., Libertyville, Ill. Confetti gun. 1,560,326; Nov. 3.
Ryan, Florence G., Chicago, Ill. Laundry cart. 1,559,988; Nov. 3.
Ryder, Harry M., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,559,989; Nov. 3.
Sandaljian, Bedros K., Groton, Conn. Automatic sheet-stacking machine. 1,560,113; Nov. 3.
Sanitary Scale Company. (See Ludlow, George M., assignor.)
Sanville, Beatrice. (See Siegel, Morris H., assignor.)
Sarkisian, Dickran M., Forest Hills, N. Y. Curtain rod and bracket therefor. 1,559,991; Nov. 3.
Sarkisian, Dickran M., Forest Hills, N. Y. Curtain tapestry holdback. 1,559,990; Nov. 3.
Sauer, Otto A., San Antonio, Tex., assignor of three-fourths to E. D. Nims, St. Louis, Mo. Feed control for pulverizing mills. 1,559,786; Nov. 3.
Scarlett, Charles C., et al., trustees. (See Day, Paul W., assignor.)
Schaffer, Walter, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Hallescher, Berlin, Germany. Arrangement for frequency transformation particularly for operating relay stations. 1,559,992; Nov. 3.
Schauerte, George W., Alton, and A. J. Hindricha, assignors to Western Cartridge Company, East Alton, Ill. Cartridge or shell. 1,559,787; Nov. 3.
Schieble Toy and Novelty Company, The. (See Florkey, Clarence E., assignor.)
Schletter & Zander, Inc. (See Schulz, Fritz E., assignor.)
Schmid, Williams, Coldwater, Mich. Electric switch. 1,559,788; Nov. 3.
Schmidt, August, jr., Schenectady, N. Y., assignor to General Electric Company. Signaling system. 1,560,431; Nov. 3.
Schmidt, William F., assignor to All Metal Products Company, Wyandotte, Mich. Toy gun. 1,559,789; Nov. 3.
Schmierer, Michel, Friedenau, near Berlin, Germany. Electric discharge tube. 1,560,103; Nov. 3.
Schnebel, William H., Forest Hill Garden, N. Y. Sanitary detachable sweatband. 1,559,917; Nov. 3.
Schneider, Clarence B., Garfield, Wash. Wheel and shaft boxing. 1,560,327; Nov. 3.
Schneider, Frederick W., Baltimore, Md., assignor to Pittsburgh Plate Glass Company. Pneumatic paint-brush. 1,559,790; Nov. 3.
Schnitzler, John L., et al. (See Nelessen, John, assignor.)
Schramm, Henry N., Westchester, Pa. Self-lubricating connecting rod. 1,559,918; Nov. 3.
Schulde, John, St. Louis, Mo. Refrigerator. 1,560,104; Nov. 3.
Schulist, Michael F., Milwaukee, Wis. Combined stapling, perforating, and punching machine. 1,560,328; Nov. 3.
Schultz, Jesse E., assignor of one-third to R. Webb and one-third to C. Dixon, Albany, Wis. Excavator. Re16,199; Nov. 3.
Schuls, Fritz E., assignor to Schleter & Zander Inc., Philadelphia, Pa. Automatic stop for knitting machines. 1,559,648; Nov. 3.
Schulze, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Flexible-shaft-transmission drive. 1,560,329; Nov. 3.
Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Making cellulose-composition-material spectacle and eyeglass frames. 1,559,791; Nov. 3.
Schumacher, Guy F. (See Becker, H. S., Boisselier, and Schumacher.)
Schumann, Richard. (See Clifford, E. H., and Schumann.)
Schümmelfeder, Conrad, Osnabruck, Germany. Receptacle for skin cream. Des. 68,647; Nov. 3.
Schutte and Koerting Company. (See Zimmermann, Hans J., assignor.)
Schwarz, Ferdinand, Sheyboygan, Wis. Mail box. 1,650,330; Nov. 3.
Schweitzer, John W., Chicago, Ill. Nutcracker. 1,560,349; Nov. 3.
Scott, Alexander N., assignor to The Diebold Safe & Lock Company, Canton, Ohio. Auxiliary lock. 1,560,432; Nov. 3.
Scott and Williams, Incorporated. (See Sheppard, Harry N., assignor.)
Scott, Horatio W. (See Hall, Dean S., assignor.)
Scrabic, Carl, Urbana, Ohio. Stylus-bar mounting. 1,559,993; Nov. 3.
Scullin Steel Co. (See Murphy, John A., assignor.)
Seabold, Walter G., assignor to Illinois Glass Company, Alton, Ill. Carboy-supporting device. 1,559,792; Nov. 3.
See, Silas S., Roanoke, Va. Wood-cutting machine. 1,560,105; Nov. 3.
Seferlis, Peter J., Ithaca, N. Y. Liquid-level indicator. 1,560,350; Nov. 3.
Seguin, Augustin, Paris, France. Apparatus for the measurement of speeds. 1,559,793; Nov. 3.
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,559,649; Nov. 3.
Seidel, Arnold, Berlin-Charlottenburg, Germany. Frame of power-driven vehicles. 1,560,351; Nov. 3.
Sell, Gilbert E., and O. F. Hedenburg, Pittsburgh, Pa., assignors to F. O. Moburg, Toledo, Ohio, and The Roessler & Hasslacher Chemical Company. Insecticide. 1,559,961; Nov. 3.
Severson, Severt M., Albert Lea, Minn. Storm-window holder. 1,559,650; Nov. 3.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 68,648; Nov. 3.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 68,649; Nov. 3.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 68,650; Nov. 3.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 68,651; Nov. 3.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 68,652; Nov. 3.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 68,653; Nov. 3.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp bracket. Des. 68,654; Nov. 3.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp bracket. Des. 68,655; Nov. 3.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp bracket. Des. 68,656; Nov. 3.
Shafer, Arthur A., assignor to Rickert Shafer Company, Erie, Pa. Automatic screw-threading machine. 1,560,487; Nov. 3.
Shaw, Charles. (See Love F., and Shaw.)
Shaw, Duncan P., Fayetteville, N. C. Destructive distillation of wood. 1,559,994; Nov. 3.
Shearer, Vance, New York, N. Y. Ignition timer for internal-combustion engines. 1,559,995; Nov. 3.
Sheene, William E., Baltimore, Md., assignor to The Asphalt Grave Vault Company. Asphalt vault. 1,560,106; Nov. 3.
Sheene, William E., Baltimore, Md., assignor to The Asphalt Grave Vault Company. Burial vault. 1,560,107; Nov. 3.
Sheer, Henry M., Quincy, Ill. Burner. 1,559,996; Nov. 3.
Shepherd, Frank D., Salt Lake City, Utah. Two-cycle multicylinder internal-combustion engine. 1,559,997; Nov. 3.
Sheppard, Harry N., Newark, N. J., assignor to Scott and Williams, Incorporated, New York, N. Y. Sinker for knitting machines. 1,560,352; Nov. 3.
Sherrod, John L., New Orleans, La. Sewing-machine table. 1,559,794; Nov. 3.
Shipley, Thomas, York, Pa. Condenser. 1,559,998; Nov. 3.
Shipman, Emanuel F., Philadelphia, Pa. Danger signal. 1,559,999; Nov. 3.
Shlafrock, Samuel, New York, N. Y. Camera. 1,559,795; Nov. 3.
Shuey, Ray L., Kansas City, Mo., and A. C. McGee, Olathe, Kans. Brake. 1,559,796; Nov. 3.
Sichel, John, et al. (See Grundy, Alfred A., assignor.)
Siegel, Morris H., assignor to B. Sanville, New York, N. Y. Garment button. 1,560,000; Nov. 3.
Simplo Fullfeder-Gesellschaft Voss, Lausen & Dziambor. (See Rösler, Ernst R. G. A., assignor.)
Simpson, George N., Chicago, Ill. Car and unloader. 1,560,108; Nov. 3.



Simpson, George N., Chicago, Ill. Hopper and car. 1,560,109; Nov. 3.
Simpson, Robert M., et al. (See Wensly, Ralph M., assignor.)
Sinclair Oil and Gas Company. (See Bernard, Harold B., assignor.)
Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
Singer Manufacturing Company, The. (See Gatchell, George S., assignor.)
Single Thread Lockstitch Machines Limited. (See Baker, Frederick, assignor.)
Siptrott, Paul, New York, N. Y., assignor to Royal Metal Lighting Fixture Company, Inc. Lighting-fixture part. Des. 68,658; Nov. 3.
Skog, August W., Minneapolis, Minn. Tent. 1,560,110; Nov. 3.
Skog, August W., Minneapolis, Minn. Tent. 1,560,114; Nov. 3.
Slaght, Edward L., jr., and W. Frost, San Jose, Calif. Tool. 1,560,353; Nov. 3.
Slomer, Joseph, Waukegan, Ill. Carpenter's plane. 1,559,797; Nov. 3.
Smith & Winchester Mfg. Co., The. (See Oman, Carl W., assignor.)
Smith, A. O., Corporation. (See Smith, Charles S., assignor.)
Smith, Charles B., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Console radiocabinet. Des. 68,661; Nov. 3.
Smith, Charles B., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Console radioreceiver. Des. 68,660; Nov. 3.
Smith, Charles B., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Radiotable. Des. 68,659; Nov. 3.
Smith, Charles S., assignor to A. O. Smith Corporation, Milwaukee, Wis. Spring hanger and connecting the same to side bars of automobile frames. 1,559,798; Nov. 3.
Smith, Herman H., Brooklyn, N. Y. Pavement. 1,560,354; Nov. 3.
Smith, Hinsdale, Springfield, Mass. Spring suspension. 1,560,115; Nov. 3.
Smith, John, Earls Barton, and F. Ricks, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Stitch-separating machine. 1,559,651; Nov. 3.
Smithells, Colin J., Oxbey, assignor to The General Electric Company Limited, London, England. Manufacture of tungsten. 1,559,799; Nov. 3.
Snow, William A., Winchester, Mass. Chair. Des. 68,662; Nov. 3.
Snow, William A., Winchester, Mass. Arm chair. Des. 68,663; Nov. 3.
Snow, William A., Winchester, Mass. Table. Des. 68,664; Nov. 3.
Snyder, Eugene A., and F. C. Andretta, Great Falls, Mont. Lawn trimmer. 1,560,355; Nov. 3.
Snyder, Simon, assignor to Sprout, Waldron & Co., Muncy, Pa. Grain-cracking machine. 1,560,433; Nov. 3.
Société Boucheron & Radius. (See de Haan, Emmanuel, assignor.)
Societe d'Exploitation des Pompes Dabeg. (See Muchka Josef, assignor.)
Société Fraisse Freres et al. (See Navarre, Placide, assignor.)
Société P. Navarre & Fils, et al. (See Navarre, Placide, assignor.)
Sowl, Fred F., Duluth, Minn. Booklet cover. Des. 68,665; Nov. 3.
Spanogle, Prume M., Jackson, Mich. Water heater. 1,560,434; Nov. 3.
Spark Safety Starter Corporation. (See Oertel, Oran L., assignor.)
Spear, Ellwood B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Treating rubber. 1,560,488; Nov. 3.
Spellman, John M., Esq. (See Hill, Richard D., assignor.)
Spencer, Floyd G., Friendship, N. Y. Combined hydraulic clutch and transmission. 1,560,356; Nov. 3.
Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Apparatus for testing gyroscopic compasses. 1,560,435; Nov. 3.
Sperry Gyroscope Company. (See Myers, Shierfield G., assignor.)
Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.)
Spillman, Albert, North Tonawanda, N. Y. Engine piston. 1,559,800; Nov. 3.
Spring Stopper Company. (See Glaspey, Warren E., assignor.)
Sprout, Waldron & Co. (See Snyder, Simon, assignor.)
Spurrier, Harry, Chicago, Ill. Treating ceramic mixtures. 1,559,652; Nov. 3.
Stacy, Thomas F. (See Stevenson, F. E., and Stacy.)
Standard Computing Scale Company, The. (See Jaenichen, Louis, assignor.)
Standard Stoker Co., The. (See Carey, James A., assignor.)
Standerwick, Reginald G. (See Dickinson, E. D., and Standerwick.)
Staples, Edward C., Canton, Ohio, assignor to United Alloy Steel Corporation, New York, N. Y. Sheet-metal shelf. 1,560,436; Nov. 3.
Steinberg, Philip, Toledo, Ohio. Holder. 1,560,493; Nov. 3.
Steinke, Leroy O., Spokane, Wash. Combined extensible wrench and pliers. 1,559,919; Nov. 3.
Steinle, Adolf, assignor to the Firm of Carl Zeiss, Jena, Germany. Cylindrical end gauge. 1,559,801; Nov. 3.
Stenning, William W., and W. H. Beasley, London, England, assignors to Minerals Separation North American Corporation. Treatment of finely-divided coal. 1,560,116; Nov. 3.
Stephens, Catherine B., et al., trustees. (See Brown, Lloyd, assignor.)
Stephens, G. A., et al., trustees. (See Brown, Lloyd, assignor.)
Stephens, George B., et al, trustees. (See Brown, Lloyd, assignor.)
Stevenson, Francis E., and T. F. Stacy, assignors to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Molding press. 1,560,117; Nov. 3.
Stevenson, George H., Rye, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical switching circuits. 1,559,802; Nov. 3.
Stewart, Nancy J. (See Stewart, Ralph E., assignor.)
Stewart, Ralph E., assignor to N. J. Stewart, Los Angeles, Calif. Variable-speed induction motor. 1,559,920; Nov. 3.
Stewart-Warner Speedometer Corporation. (See Schulze, William H., assignor.)
Stewart-Warner Speedometer Corporation. (See Smith, Charles B., assignor.)
Stewart-Warner Speedometer Corporation. (See Van Guilder, Walter, assignor.)
Stickley, Albert, et al. (See Kusterer, Carl C., assignor.)
St. Johns Table Company, et al. (See Kusterer, Carl C., assignor.)
Stockstrom, Arthur. (See Weaver, R. A., and Stockstrom.)
Stoekle, Erwin R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. 1,560,118; Nov. 3.
Stoekle, Erwin R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Thermally-operated circuit controller. 1,560,119; Nov. 3.
Stout, Harry H., Douglas, Ariz. Treatment of metallurgical slag. 1,559,803; Nov. 3.
Strauss, Ira, assignor to Rosenstein-Strauss Corporation, New York, N. Y. Textile fabric. Des. 68,666; Nov. 3.
Strauss, Ira, assignor to Rosenstein-Strauss Corporation, New York, N. Y. Textile fabric. Des. 68,667; Nov. 3.
Strauss, Ira, assignor to Rosenstein-Strauss Corporation, New York, N. Y. Textile fabric. Des. 68,668; Nov. 3.
Strauss, Ira, assignor to Rosenstein-Strauss Corporation, New York, N. Y. Textile fabric. Des. 68,669; Nov. 3.
Struyer, Jacob E. (See De Baugh, H. L., Meeks, and Strayer.)
Streich, Frank, assignor to Union Machinery Company, Joliet, Ill. Dough divider. 1,559,805; Nov. 3.
Stucker, Charles A., and W. McCandless, Davenport, Iowa. Chain lock. 1,559,653; Nov. 3.
Suarez, Miguel. (See Gonsales, F., and Suarez.)
Suderov, Abraham, New York, N. Y. Finger ring. Des. 68,670; Nov. 3.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 68,671; Nov. 3.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 68,672; Nov. 3.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 68,673; Nov. 3.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 68,674; Nov. 3.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 68,675; Nov. 3.
Sulzer Freres Societe Anonyme. (See Zbinden, Eugen, assignor.)
Superior Manufacturing Company, The. (See De Baugh, H. L., Meeks, and Strayer, assignors.)
Square D Company. (See Horton, Bryson D., assignor.)
Sweeny, Robert P., Union, S. C. Air-induction cleaning apparatus. 1,559,804; Nov. 3.
Swendig, John, Harrison, and G. H. Lawrence, Coeur d'Alene, Idaho. Fluid motor. 1,559,654; Nov. 3.
Swift, Charles R., Middleboro, Mass. Glider. 1,559,806; Nov. 3.
Swope, Susan L. (See Rose, S. S., and Swope.)
T. & L. Co., The. (See Lotz, William A., assignor.)
Tamblyn, Milton J. (See Greathead, W. F., and Tamblyn.)
Tarlow, Milton D. (See Edelson, C. Z., Goldeen, and Tarlow.)
Taylor, Homer J., East Liverpool, Ohio. Plate or similar article. Des. 68,676; Nov. 3.
Taylor, Leroy B., Cleveland, Ohio. Combined slidable and reversible window sash. 1,560,001; Nov. 3.
Taylor, Loren E., Los Angeles, Calif., assignor to Famous Players-Lasky Corporation, New York, N. Y. Producing color pictures. 1,560,437; Nov. 3.
Taylor, Loren E., Los Angeles, Calif., assignor to Famous Players-Lasky Corporation, New York, N. Y. Method of and machine for coloring motion-picture films. 1,560,438; Nov. 3.
Technical Products Corporation. (See Lowy, Otto, assignor.)

Teed, Earl S., Akron, Ohio. Spool construction. 1,560,120; Nov. 3.

Ten Bosch, Abraham, The Hague, Netherlands. Reducing the percentage of water of peateries. 1,559,934; Nov. 3.

Terminal Engineering Company. (See Brinton, Willard C., assignor.)

Thaden, Herbert V., Detroit, Mich. Erecting airships. 1,559,807; Nov. 3.

Thell, Frederick, Homestead, Pa. Music-leaf turner. 1,560,357; Nov. 3.

Thomas, Joseph E. (See McCray, C. A. and J. S., and Thomas.)

Thompson, Christian, Salt Lake City, Utah. Glareshield. 1,560,002; Nov. 3.

Thompson, Riley M., assignor of one-half to H. A. Woodward, Sacramento, Calif. Mail-pouch collector. 1,559,808; Nov. 3.

Thompson, Walter V., Los Angeles, Calif. Sprinkler head. 1,559,655; Nov. 3.

Thorp, I. J., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Increasing voltages. 1,559,656; Nov. 3.

Tilson, Jesse P., Toledo, Ohio. Mirror stand. 1,560,358; Nov. 3.

Tilton, John Q., Mattawamkeag, Me. Potato digger. 1,560,359; Nov. 3.

Timken Roller Bearing Company. (See Buckwalter, Tracy V., assignor.)

Tippet, Philip V. (See Wright, D. C., and Tippet.)

Todd, Charles H., New Richmond, Wis. Violin-sound-post setter. 1,559,657; Nov. 3.

Todd Company, The. (See Gray, Alton L., assignor.)

Todd, Percy A. S. (See Yates, H. A., and Todd.)

Toledo Automotive Products Company, The. (See Clas, Angelo R., assignor.)

Tonkinson, Harry L., Texarkana, Tex. Automatic train stop. 1,559,809; Nov. 3.

Toonen, Henry, et al. (See Nelessen, John, assignor.)

Topham, Laurence E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-supporting jack. 1,560,360; Nov. 3.

Towsley, Elizabeth. (See Pfau, William F., assignor.)

Traute, Henry C., Manmouth Beach, N. J., asignor to The Diamond Match Company, Chicago, Ill. Smoker's outfit. 1,560,003; Nov. 3.

Trenor, Albert D., New York, N. Y., assignor to J. H. Hammond, jr., Gloucester, Mass. Retarding device. 1,560,439; Nov. 3.

Trent Process Corporation. (See Trent, Walter E., assignor.)

Trent, Walter E., assignor, by meane assignments, to Trent Process Corporation, Wilmington, Del. Feeding dry pulverized coal. 1,559,810; Nov. 3.

Trester, Herault A., assignor to Metal Forms Corporation, Milwaukee, Wis. For-aligning brace. 1,560,494; Nov. 3.

Trester, Herault A., assignor to Metal Forms Corporation, Milwaukee, Wis. Road rail. 1,560,516; Nov. 3.

Treuheit, Leonhard, Elberfeld, Germany. Testing device. 1,559,921; Nov. 3.

Trewhella, William, Trentham, Victoria, Australia. Air-cooling device for engines. 1,560,121; Nov. 3.

Triangle Automobile Spring Company. (See Bernhardt, Joseph F., assignor.)

Tritle, John F., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,560,440; Nov. 3.

Trosper, James E., Jacksonville, Ill. Lamp cleaner. 1,560,441; Nov. 3.

Trowbridge, Gertrude S., Flushing, N. Y. Hand bag. 1,560,442; Nov. 3.

Trumble, Milon J., assignor to Brown Valve and Manufacturing Co., Alhambra, Calif. Valve. 1,559,811; Nov. 3.

Trumble, Milon J., assignor to Brown Valve and Manufacturing Co., Alhambra, Calif. Relief valve. 1,559,812; Nov. 3.

Trumbull, Harlan L. (See Winkelmann, H. A., and Trumbull.)

Umstead, Elmer S. (See Bullock, E. L., and Umstead.)

Underwood, Albert B., assignor to The Edwards Manufacturing Company, Cincinnati, Ohio. Press for embossing metal. 1,559,658; Nov. 3.

Underwood Typewriter Company. (See Corcoran, Cornelius B., assignor.)

Underwood Typewriter Company. (See Kupetz, Adolph G., assignor.)

Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)

Union Machinery Company. (See Streich, Frank, assignor.)

Union Special Machine Company. (See Hughes, Robert R., jr., assignor.)

Union Steel Products Company. (See Hatch, Charles T., assignor.)

Union Switch & Signal Company, The. (See Ryder, Harry M., assignor.)

Union Tool Company. (See Young, J. A., and Rea, assignors.)

United Alloy Steel Corporation. (See Charls, George H., assignor.)

United Alloy Steel Corporation. (See Staples, Edward C., assignor.)

United Alloy Steel Corporation. (See Wielandt, George F., assignor.)

United Autographic Register Company. (See Barker, England J., assignor.)

United Autographic Register Co. (See Jensen, Louis, assignor.)

United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)

United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)

United Shoe Machinery Corporation. (See Marsh, Frank A. E., assignor.)

United Shoe Machinery Corporation. (See Norton, James G., assignor.)

United Shoe Machinery Corporation. (See Ricks, Fred, assignor.)

United Shoe Machinery Corporation. (See Smith, J., and Ricks, assignors.)

United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)

U. S. Industrial Alcohol Co. (See Rogers, Clancy M., assignor.)

U. S. Smelting Furnace Company. (See Jones, Arthur, assignor.)

Untermeyer Robbins & Co. (See Robbins, Meyer L., assignor.)

Valley Mould & Iron Corporation. (See Brown, William P., assignor.)

Van Benthuysen, Thomas C., Divide, Wyo. Card game. 1,559,813; Nov. 3.

Vance, Sue W. (See Jones, E. M., and Vance.)

Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Shelf and rack construction. 1,560,122; Nov. 3.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 68,677; Nov. 3.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 68,678; Nov. 3.

Vander Putten, John R., Akron, assignor, by mesne assignments, to Wise-McClung Company, Limited, New Philadelphia, Ohio. Suction cleaner. 1,560,400; Nov. 3.

Van Gulder, Walter, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Base for a loud speaker. Des. 68,679; Nov. 3.

Van Valkenburg, Hermon L., assignor to Industrial Controller Company, Milwaukee, Wis. Motor controller. 1,559,814; Nov. 3.

Voigt, Max T., Reading, Pa., assignor to American Safety Table Co. Inc., New York, N. Y. Transmission apparatus. 1,560,123; Nov. 3.

Volkey, Kathryn F., Seattle, Wash. Overshoe. 1,560,124; Nov. 3.

Von Nessen, Walter, Brooklyn, N. Y., assignor to Efcolite Corporation. Lighting fixture. Des. 68,680; Nov. 3.

Von Nessen, Walter, Brooklyn, N. Y., assignor to Efcolite Corporation. Lighting fixture. Des. 68,681; Nov. 3.

Victor, Alexander F., Davenport, Iowa. Film tensioning and framing device. 1,559,815; Nov. 3.

Vitenko, Andrew, New York, N. Y. Paraffin-press-plate-separating device. 1,560,443; Nov. 3.

Volmer, Max, Hamburg, Germany. Producing copper coatings on nonmetallic substances. 1,560,444; Nov. 3.

Wadleigh, William A., Seattle, Wash. Wheel center for Ford tractors. 1,560,125; Nov. 3.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Device to prevent vibration of bobbins. 1,560,005; Nov. 3.

Wagner, Henry, Milwaukee, Wis. Shellacking machine. 1,560,445; Nov. 3.

Walden-Worcester Incorporated. (See Bellows, Franklin H., assignor.)

Walker, George A., Waukesha, Wis. Porch shade. Des. 68,682; Nov. 3.

Walker, George A., Waukesha, Wis. Porch shade. Des. 68,683; Nov. 3.

Walker, George A., Waukesha, Wis. Porch shade. Des. 68,684; Nov. 3.

Walker, Tom R., Alexandria, La. Nut lock. 1,560,004; Nov. 3.

Wallace, Joseph H., Stamford, Conn., assignor to Pine Waste Products, Inc., New York, N. Y. Pulp process. 1,560,446; Nov. 3.

Wallace, Joseph H., Stamford, Conn., assignor to Pine Waste Products, Inc., New York, N. Y. Preparation of wood for pulp manufacture. 1,560,447; Nov. 3.

Wallace, Joseph H., Stamford, Conn., assignor to Pine Waste Products, Inc., New York, N. Y. Wood-pulp material. 1,560,448; Nov. 3.

Walsh, Richard A., Dayton, Ohio. Combined milk-bottle stopper and pouring spout. 1,559,922; Nov. 3.

Walter, L. S. (See Adair, Charles T., assignor.)

Walters, James N., East Orange, N. J., assignor to American Telephone and Telegraph Company. Service-observing equipment for automatic telephone systems. 1,559,659; Nov. 3.

Wang, Alfred, Hoboken, N. J. Wheel. 1,560,449; Nov. 3.

Ward, Charles, Engineering Works, The. (See Ward, Charles E., assignor.)

Ward, Charles E., assignor to The Charles Ward Engineering Works, Charleston, W. Va. Rudder construction for towboats. 1,559,660; Nov. 3.





Ward, Charles E., assignor to The Charles Ward Engineering Works, Charleston, W. Va. Rudder control for towboats. 1,559,816; Nov. 3.

Ward, Wilburt, Ste. Genevieve, Mo. Fuel spreader. 1,559,817; Nov. 3.

Warford, Henry R., Memphis, Tenn. Rerailing frog. 1,559,818; Nov. 3.

Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,559,589; Nov. 3.

Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,559,590; Nov. 3.

Warren Featherbone Company. (See Edinger F., and Gelow, asisgnors.)

Waterbury Buckle Company. (See Kinch, Earl L., assignor.)

Watson, Charles W., St. Kilda, Victoria, Australia. Reenforcement for concrete and the like. 1,559,819; Nov. 3.

Weaver, John L., New Orleans, La. Apparatus for wood distillation. 1,560,517; Nov. 3.

Weaver, Robert A., Lakewood, Ohio, and A. Stockstrom, St. Louis, Mo. Method of and apparatus for loading and unloading enameling furnaces. 1,559,591; Nov. 3.

Webb, Ray, et al. (See Schults, Jesse E., assignor.)

Webster, Milton F., Alameda, assignor, by mesne assignments, to Merco Nordstrom Valve Company, San Francisco, Calif. Lubricant. 1,559,592; Nov. 3.

Wedeberg, Reuben, Chicago, Ill. Battery-terminal-connection cover. 1,560,126; Nov. 3.

Weinrott, Emil B. and L. A., Moline, Ill. Cap. Des. 68,685; Nov. 3.

Weinrott, Lester A. (See Weinrott, Emil B. and L. A.)

Weis, Albert H., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Binder or folder for sewing machines. 1,559,820; Nov. 3.

Wells, William S., Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J. Shuttle-box mechanism. 1,560,006; Nov. 3.

Welsh, Joseph A., Dunkirk, N. Y. Regulator for heating furnaces. 1,559,593; Nov. 3.

Wentorf, Robert H., and E. A. Kerler, assignors to West Bend Aluminum Company, West Bend, Wis. Detachable cover for waterless cookers. 1,559,594; Nov. 3.

Wescott, Jay V. (See Hamilton, Paul, assignor.)

Wesely, Ralp M., Los Angeles, assignor of one-half to G. S. Macgruer and one-half to R. M. Simpson, San Francisco, Calif. Artificial stone and process of making. 1,560,450; Nov. 3.

West, Augustus A., Philadelphia, Pa. Engine and piston. 1,559,595; Nov. 3.

West Bend Aluminum Company. (See Wentorf, R. H., and Kerler, assignors.)

West, Charles W., Tigard, Oreg. Truck. 1,559,928; Nov. 3.

Westco-Chippewa Pump Company. (See Derrick, William L., assignor.)

Western Brick Company. (See Doughty, Ivan N., assignor.)

Western Cartridge Company. (See Schauerte, G. W., and Hindrichs, assignors.)

Western Electric Company. (See Casper, William L., assignor.)

Western Electric Company. (See Craft, Edward B., assignor.)

Western Electric Company. (See Field, Frank E., assignor.)

Western Electric Company. (See Fry, Thornton C., assignor.)

Western Electric Company. (See Gowing, Maurice R., assignor.)

Western Electric Company. (See Griggs, Elmer V., assignor.)

Western Electric Company. (See Hartley, Ralph V. L., assignor.)

Western Electric Company. (See Heising, Raymond A., assignor.)

Western Electric Company. (See Horton, Joseph W., assignor.)

Western Electric Company. (See Read, Harry S., assignor.)

Western Electric Company. (See Stevenson, George H., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)

Weston, Edward B., Dayton, Ohio. Display rack. 1,560,007; Nov. 3.

Westmoreland Specialty Company. (See Brainard, James J., assignor.)

Weyrick, Warren B., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Anchor for airships. 1,560,451; Nov. 3.

White, Charles D., East Orange, assignor to Brandes Laboratories, Inc., Newark, N. J. Cabinet for loud-speaker radioreproducers. Des. 68,686; Nov. 3.

Whitney, W. C. (See Crown, J. E., and Haining, assignors.)

Wielandt, George F., assignor to United Alloy Steel Corporation, Canton, Ohio. Sheet-trimming machine. 1,560,452; Nov. 3.

Wiese, Frank H., Manitowoc, Wis. Golf-tee mold. 1,560,453; Nov. 3.

Wiese, Gus, New Hartford, Iowa. Pump-cylinder protector. 1,560,454; Nov. 3.

Wiggins, Joseph S., Haworth, N. J. Circuit-controller attachment for clocks. 1,560,127; Nov. 3.

Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Binder. 1,559,821; Nov. 3.

Wiley, Samuel, Metuchen, N. J. Tracer fuse. 1,559,822; Nov. 3.

Willcox, George B., assignor to Mitts & Merrill, Saginaw, Mich. Safety device for disintegrating machines. 1,559,924; Nov. 3.

Williamette Iron and Steel Works. (See Gorbutt, Sidney B., assignor.)

Williams, Joseph A., Cleveland, Ohio. Telephone receiver. 1,559,596; Nov. 3.

Williams, Joseph A., Cleveland, Ohio. Telephone receiver. 1,559,597; Nov. 3.

Williams, Percy Q., Cincinnati, Ohio. Bottle-positioning device. 1,559,598; Nov. 3.

Williams, Watkin S. (See Gair, J., Williams, and Jones.)

Willison, John, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft and buffing mechanism for railway cars. 1,560,008; Nov. 3.

Willys-Overland Company, The. (See Loomis, Allen, assignor.)

Wilson, Albert W., San Francisco, Calif. Necktie holder. 1,559,823; Nov. 3.

Wilson, Ezekiel J., East Greenbush, assignor to F. C. Huyck & Sons, Rensselaer, N. Y. Mechanism for measuring the width of endless felts. 1,559,824; Nov. 3.

Wilson, John M., Marion, Ind. Lock. 1,560,455; Nov. 3.

Wilson, Johnston. (See Paul, Charles A., assignor.)

Wilson, Mary F. F., New Rochelle, N. Y. Revolver-loading device. 1,559,825; Nov. 3.

Winkelmann, Herbert A., Akron, and H. L. Trumbull, Hudson, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Composition of matter and producing the same. 1,559,925; Nov. 3.

Winter, George F., Honolulu, Hawaii. Hand-propelled boat. 1,559,826; Nov. 3.

Wintsch, Victor, jr., Zurich, Switzerland, assignor to R. H. Comey Company, Camden, N. J. Stabilizing solution containing loosely-combined oxygen. 1,559,599; Nov. 3.

Wintsch, Victor, jr., Zurich, Switzerland, assignor to R. H. Comey Company, Camden, N. J. Stabilizer for solutions containing loosely-combined oxygen and making the same. 1,559,600; Nov. 3.

Wired Radio Inc. (See Duncan, Robert D., jr., assignor.)

Wise, Karl M., Birmingham, Mich., assignor, by mesne assignments, to The Clymer Manufacturing Company, Denver, Colo. Spotlight. 1,560,458; Nov. 3.

Wise-McClung Company. (See Vander Putten, John R., assignor.)

Wittman, John, Hamilton, Ohio. Freight-anticreeping device. 1,559,827; Nov. 3.

Wobber, Edward H., San Francisco, Calif. Display device. 1,560,009; Nov. 3.

Woernle, Harry E., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Foot bolt. 1,559,828; Nov. 3.

Wolfe, Harry M., Lake Burien, Wash. Hand-power digger. 1,559,829; Nov. 3.

Wolpert, Robert B., Minneapolis, Minn. Metallic billiard cue. 1,560,456; Nov. 3.

Wonder Beauty Co. (See Arnold, Juliette P., assignor.)

Wood, C. D., Electric Co. (See Kulka, Eugene R., assignor.)

Wood, Joseph E., assignor of one-half to F. W. Keech and one-half to Reliable Safety Valve Co., Chicago, Ill. Safety valve. 1,560,457; Nov. 3.

Woodall, Samuel W., Detroit, Mich. Bearing arrangement. 1,559,830; Nov. 3.

Woodward, Hugh A. (See Thompson, Riley M., assignor.)

Woolery, Horace E., St. Paul, Minn. Railway motor car. 1,559,831; Nov. 3.

Worcester Stamped Metal Company. (See Billings, Frank E., assignor.)

Worrall, Henry T., Chelmsford, England, assignor to Radio Corporation of America. Electric meter. 1,560,459; Nov. 3.

Wright, David C., Euclid, and P. V. Tippet, Cuyahoga Falls, Ohio. Electric controller. 1,559,832; Nov. 3.

Wright, Jacob P., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Treating match splints. 1,560,010; Nov. 3.

Wrigley, Wm., jr. Co. (See Kappes, A., and Gerstmayr, assignors.)

Yablick, Max. (See Perrott, G. S., and Yablick.)

Yager, Alice J., administratrix. (See Yager, Sherman A.)

Yager, Sherman A., deceased, by A. J. Yager, administratrix, Pasadena, Calif. Receptacle closure. 1,560,489; Nov. 3.

Yates, Harry A., and P. A. S. Todd, Ottawa, Ontario, Canada. Automobile jack and brake operating device. 1,560,460; Nov. 3.

York Milk Machinery Company. (See Birnstock, William W., assignor.)

Young, Alfred, Milford, Mass. Apparatus for softening shoes. 1,559,833; Nov. 3.

Young, John A., Torrance, Calif., and P. M. Rea, West Chicago, Ill., assignors to Union Tool Company, Torrance, Calif. Casing spear. 1,560,011; Nov. 3.
Young, L. A., Industries, Incorporated. (See Ziler, Corban H., assignor.)
Young, Minal E., Casper, Wyo. Diamond-drill bit. 1,560,490; Nov. 3.
Youngblood, David F., San Antonio, Tex. Rust-resisting and adjustable supporting yoke for fire-escape chutes. 1,560,128; Nov. 3.
Younger, Louis H., Austin, Tex. Cotton-picker's sack. 1,560,491; Nov. 3.
Yungling, Paul F., Los Angeles, Calif. Bearing support for bails. 1,560,129; Nov. 3.
Zalkind, Philip, New York, N. Y. Container. 1,559,834; Nov. 3.
Zbinden, Eugen, assignor to Sulzer Freres Societe Anonyme, Bern, Switzerland. Locomotive having combined internal-combustion and electric propulsion system. 1,559,601; Nov. 3.
Zeiss, Firm of Carl. (See Steinle, Adolf, assignor.)
Ziegler, Alfred M., Newton, Mass. Garment supporter. 1,560,130; Nov. 3.
Ziler, Corban H., assignor to L. A. Young Industries, Incorporated, Detroit, Mich. Metal-working machine. 1,559,835; Nov. 3.
Zimmermann, Hans J., assignor to Schutte and Koerting Company, Philadelphia, Pa. Heat-exchange apparatus. 1,559,602; Nov. 3.
Zimmerman, Harry C., Washington, D. C. Mounting for pumps. 1,559,836; Nov. 3.

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 3D DAY OF NOVEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Address plates, Index tab for. C. Chisholm. 1,560,213; Nov. 3.
Addressing machine. C. Chisholm. 1,560,212; Nov. 3.
Air bag. R. S. Burdette. 1,560,463; Nov. 3.
Air containing ammonia, Purification of. G. S. Perrott and M. Yabilick. 1,559,980; Nov. 3.
Aircraft, Landing chassis for. A. Rohrbach. 1,559,912; Nov. 3.
Air heater, Electric. H. H. Daley. 1,560,377; Nov. 3.
Airplane-adjusting device. H. H. Fiath. 1,560,341; Nov. 3.
Airship anchor. W. B. Weyrick. 1,560,451; Nov. 3.
Airships, Erecting. H. V. Thaden. 1,559,807; Nov. 3.
Air vent and humidifier. C. E. Frazier and H. R. Lindquist. 1,560,227; Nov. 3.
Alarm: *See*—
Speed alarm.
Aligning brace, Form-. H. A. Trester. 1,560,494; Nov. 3.
Alloy and method. F. W. Karitzky. 1,559,620; Nov. 3.
Alloy of iron, Resistance-surface. G. H. Charls. 1,560,207; Nov. 3.
Alloy steel and articles made therefrom, Heat-resisting. G. R. Rich. 1,560,099; Nov. 3.
Alloys and metals, Improving. J. Czochralski. 1,560,335; Nov. 3.
Alloys, Treatment of copper. F. Heüsler. 1,559,963; Nov. 3.
Amplifiers, Reducing retroactive currents in push-pull. S. Ballantine. 1,560,332; Nov. 3.
Anchoring device. R. S. Peirce. 1,560,095; Nov. 3.
Annealing ovens, Charging apparatus for use with. P. A. H. Mossay. 1,560,393; Nov. 3.
Apiarists, Tool for. D. S. Hall. 1,559,868; Nov. 3.
Arc welding, Electrode for. C. J. Holslag. 1,559,875; Nov. 3.
Attachment plug. R. B. Benjamin. 1,560,198; Nov. 3.
Autographic register. E. J. Barker. 1,560,195; Nov. 3.
Autographic register. L. Jensen. 1,560,474–6; Nov. 3.
Automatic drive. F. H. Lippincott. 1,560,267; Nov. 3.
Automatic switch. C. P. Brockway. 1,559,738; Nov. 3.
Automobile. F. J. Haynes. 1,559,614; Nov. 3.
Automobile boiler. J. A. Meads. 1,560,182; Nov. 3.
Automobile bumper. F. D. Cerf. 1,560,040; Nov. 3.
Automobile bumper. W. J. Grotenhuis. 1,559,607; Nov. 3.
Automobile driver's seat. A. E. Bunt. 1,559,672; Nov. 3.
Automobile frames, Spring hanger and connecting the same to side bars of. C. S. Smith. 1,559,798; Nov. 3.
Automobile fuel-saving device. A. V. Rowe. 1,559,784; Nov. 3.
Automobile hoist. M. Baker. 1,560,071; Nov. 3.
Automobile jack and brake operating device. H. A. Yates and P. A. S. Todd. 1,560,460; Nov. 3.
Automobile locking device for Ford transmission. A. R. de Rouville and J. G. Miller. 1,560,251; Nov. 3.
Automobile operated tools, Power transmission for. R. H. Lake. 1,559,712; Nov. 3.
Automobile spring construction. J. F. Bernhardt. 1,560,200; Nov. 3.
Automobile switch mounting. J. A. Cunningham. 1,560,412; Nov. 3.
Automobiles, Driving-axle structure for. T. J. Lindsay. 1,559,633; Nov. 3.
Automobiles, Four-wheel brake for. J. Bushey. 1,560,037; Nov. 3.
Automobiles, Glass window for. G. E. Holmes and J. M. and A. G. Bostrom. 1,559,752; Nov. 3.
Automobiles, Stove attachment for. C. A. Paul. 1,559,909; Nov. 3.
Auxiliary lock. A. N. Scott. 1,560,433; Nov. 3.
Badge. H. W. Hahn. Des. 68,625; Nov. 3.
Badge. B. E. Jacob. Des. 68,628; Nov. 3.
Badge. G. C. McCarron. Des. 68,634; Nov. 3.
Bag: *See*—
Air bag.
Hand bag.
Traveling bag.
Bag-making machinery, Registry device for. C. W. Oman. 1,560,300; Nov. 3.
Bags, Latch fasteners for. W. A. Lotz. 1,559,898; Nov. 3.
Bailer head. F. Love and C. Shaw. 1,559,635; Nov. 3.
Ball: *See*—
Paddle ball.
Banjos and the like, Resonator attachment for. F. R. L. Berge. 1,560,372; Nov. 3.
Bank, Savings. M. R. Clements. 1,560,018; Nov. 3.
Bar: *See*—
Wrecking bar.
Bath cot, Infants'. W. Kleineschay. 1,560,261; Nov. 3.
Battery: *See*—
Primary battery.
Storage battery.
Battery container. R. N. Chamberlain. 1,560,172; Nov. 3.
Battery-terminal-connection cover. R. Wedeberg. 1,560,126; Nov. 3.
Bearing arrangement. S. W. Woodall. 1,559,830; Nov. 3.
Bearing construction. E. C. Hutchinson. 1,559,879; Nov. 3.
Bearing support for bails. P. F. Yungling. 1,560,129; Nov. 3.
Bedspring lock. T. Hauser. 1,560,232; Nov. 3.
Beet blocker. J. F. Prenosil. 1,560,315; Nov. 3.
Berth mounting. E. Nyback and E. Nyman. 1,559,765; Nov. 3.
Billiard cue. G. Gerenda. 1,559,569; Nov. 3.
Billiard cue, Metallic. R. B. Wolpert. 1,560,456; Nov. 3.
Binder. G. P. Wigginton. 1,559,821; Nov. 3.
Binder finger. O. Landry. 1,560,478; Nov. 3.
Binder, Loose-leaf. J. C. Dawson. 1,560,467; Nov. 3.
Binder, Permanent transfer. G. W. Newman. 1,559,762; Nov. 3.
Binder, Temporary. H. C. Meyer. 1,559,971; Nov. 3.
Binder, Temporary. W. P. Pitt. 1,560,398; Nov. 3.
Bird cage. L. J. Leon. 1,559,757; Nov. 3.
Bit: *See*—
Diamond-drill bit.
Blasting process and means therefor. F. W. Camp. 1,560,038; Nov. 3.
Block: *See*—
Ribbon block.
Blow-out boot. J. A. Barnes. 1,559,664; Nov. 3.
Board-measuring apparatus. H. Mager. 1,560,392; Nov. 3.
Boat, Hand-propelled. G. F. Winter. 1,559,826; Nov. 3.
Bobbins, Device to prevent vibration of. W. H. Wakefield. 1,560,005; Nov. 3.
Boiler: *See*—
Automobile boiler.
Ham boiler.
Boiler-feed-water apparatus. J. Muchka. 1,559,730; Nov. 3.
Bolt: *See*—
Foot bolt.
Book, Route. E. E. Foreman. 1,559,951; Nov. 3.
Booklet cover. F. F. Sowl. Des. 68,665; Nov. 3.
Bottle carrier. C. T. Hatch. 1,559,695; Nov. 3.
Bottle holder. S. Fairchild. 1,559,687; Nov. 3.
Bottle holder, Nursing-. P. Cardarella. 1,559,740; Nov. 3.
Bottle or similar container. C. L. Marcus. Des. 68,631; Nov. 3.
Bottle-positioning device. P. Q. Williams. 1,559,598; Nov. 3.
Bottle stopper and pouring spout, Combined milk-. R. A. Walsh. 1,559,922; Nov. 3.
Bottle-washing machines, Crate-feeding mechanism for. W. W. Birnstock. 1,560,374; Nov. 3.
Bottles, etc., Machine for making. W. E. Glaspey. 1,560,159; Nov. 3.
Bottles, jars, and the like, Head for spinning closures on. J. A. Johnson. 1,560,059; Nov. 3.
Bottles, Method of and apparatus for washing. C. W. Hottmann. 1,560,237; Nov. 3.
Bowl. M. Relkin. 1,559,644 Nov. 3.
Box: *See*—
Mail box.
Vanity box.
Box blanks, Machine for making paper-. J. Hren and C. Eisenlohr. 1,560,162; Nov. 3.
Brace: *See*—
Aligning brace.
Shore and trench brace.
Bracket: *See*—
Joist-suporting bracket.
Spotlight bracket.
Shade bracket.
Brake: *See*—
Vehicle brake.
Brake. R. L. Shuey and A. C. McGee. 1,559,796; Nov. 3.
Brake-control, Automatic. J. R. Benton. 1,560,371; Nov. 3.

Brick faces, Machine for producing. I. N. Doughty. 1,559,682; Nov. 3.
Brick, Making ornamental. P. C. Farris. 1,559,948; Nov. 3.
Brush, Pneumatic paint. F. W. Schneider. 1,559,790; Nov. 3.
Bucket, Chain. H. D. Bennett. 1,560,370; Nov. 3.
Building block. E. A. Long. Des. 68,630; Nov. 3.
Building block or similar article. F. Branciforti. Des. 68,612; Nov. 3.
Building, Knockdown. H. Regenauer. 1,560,320; Nov. 3.
Bumper, Automatic safety. P. J. Jessip. 1,559,965; Nov. 3.
Burglar detector, Electric. N. L. Glover and J. A. Hanson. 1,559,955; Nov. 3.
Burial vault. W. E. Skeene. 1,560,107; Nov. 3.
Burner: *See*—
Gas burner. Oil burner.
Burner. P. W. Kutis. 1,559,625; Nov. 3.
Burner, H. M. Sheer. 1,559,996; Nov. 3.
Button, Garment. M. H. Siegel. 1,560,000; Nov. 3.
C clamp. W. F. Greathead and M. J. Tamblyn. 1,559,866; Nov. 3.
Cabinet clamp. L. Nygren. 1,560,091; Nov. 3.
Cabinet, Rotary kitchen. J. W. Jackson. 1,559,705; Nov. 3.
Cabinet structure, Metal. H. E. Janes. 1,560,255; Nov. 3.
Cable sling, jaw and trip hook. E. A. Haynes. 1,559,959; Nov. 3.
Cable splice. H. Prince. 1,560,316; Nov. 3.
Cables and wires, Connecting. H. M. and W. G. Brown. 1,559,668; Nov. 3.
Calculating machine. A. L. Gray. 1,560,381; Nov. 3.
Camera. S. Shalafrock. 1,559,795; Nov. 3.
Can: *See*—
Oil can.
Can cleaner and sterilizer, Milk. J. A. Dary. 1,559,556; Nov. 3.
Can opener. P. G. Luber. 1,560,067; Nov. 3.
Cans, Cover for. W. H. Richman. 1,560,100; Nov. 3.
Candy unit. S. I. Epstein. Des. 68,619; Nov. 3.
Cane, Walking. E. H. Ross. Des. 68,646; Nov. 3.
Canopy switch. E. R. Kulka. 1,559,888; Nov. 3.
Car. E. B. and L. A. Weinrott. Des. 68,685; Nov. 3.
Car and unloader. G. N. Simpson. 1,560,108; Nov. 3.
Car bodies, Bolster for railway-. P. W. Day. 1,560,144; Nov. 3.
Car, Railway motor. H. E. Woolery. 1,559,831; Nov. 3.
Cars, Draft and buffing mechanism for railway. J. Willison. 1,560,008; Nov. 3.
Cars, Uncoupling device for freight. R. Arkwright and I. Moeller. 1,560,363–4; Nov. 3.
Carboy-supporting device. W. G. Seabold. 1,559,792; Nov. 3.
Carburetor. G. P. B. Hoyt and D. B. Carse. 1,560,238; Nov. 3.
Carburetor. W. E. Kemp. 1,559,756; Nov. 3.
Carpenter's plane. J. Slomer. 1,559,797; Nov. 3.
Carrier: *See*—
Bottle carrier. Ladle carrier.
Carrier-frequency suppression. R. D. Duncan, jr. 1,560,505; Nov. 3.
Cart, Laundry. F. G. Ryan. 1,559,988; Nov. 3.
Carton-feeding device for carton-filling machines, Collapsed-. R. A. Jones. 1,559,707; Nov. 3.
Cartons or other articles, Mechanism for transferring. G. Hoepner. 1,559,615; Nov. 3.
Cartridge for scenic effects, Firearm. B. E. Clarke. 1,559,552; Nov. 3.
Cartridge or shell. G. W. Schauerte and A. J. Hindrichs. 1,559,787; Nov. 3.
Case: *See*—
Crank case.
Casing spear. J. A. Young and P. M. Rea. 1,560,011; Nov. 3.
Casting indicia on pipes, Device for. J. Rice. 1,559,779; Nov. 3.
Casting ingots, Method and apparatus for. W. P. Brown. 1,560,036; Nov. 3.
Catheter. M. Bock. 1,559,737; Nov. 3.
Ceramic mixture, Treating. H. Spurrier. 1,559,652; Nov. 3.
Chain lock. C. A. Stucker and W. McCandless. 1,559,653; Nov. 3.
Chair. W. A. Snow. Des. 68,662; Nov. 3.
Chair, Arm. W. A. Snow. Des. 68,663; Nov. 3.
Chairs, Headrest for barber or like. G. C. Laraia. 1,560,065; Nov. 3.
Cheese cutter. W. I. Milestone. 1,560,090; Nov. 3.
Chute, Gravity conveyer. J. S. Da Costa. 1,560,466; Nov. 3.
Cigars, pipes, and the like, Lighter for. F. B. Farnsworth. 1,559,745; Nov. 3.
Cinematograph films, Apparatus for winding long and endless. J. R. Bow. 1,560,139; Nov. 3.
Circuit controller. R. B. Hunter. 1,560,057; Nov. 3.
Circuit controller, Thermally-operated. E. R. Stoekle. 1,560,119; Nov. 3.
Clamp: *See*—
C clamp. Floor clamp.
Cabinet clamp.
Cleaner: *See*—
Lamp cleaner. Tooth cleaner.
Suction cleaner.
Cleaning apparatus, Air-induction-. R. P. Sweeny. 1,559,804; Nov. 3.
Cleaning compound. E. M. Heckman. 1,559,960; Nov. 3.
Clocks, Circuit-controller attachment for. J. S. Wiggins. 1,560,127; Nov. 3.
Cloth-cutting machine. M. Dorman. 1,560,518; Nov. 3.
Clothesline. F. Moore. 1,559,577; Nov. 3.
Clothespin. O. J. Kopke. 1,559,886; Nov. 3.
Cluster hook. S. S. Rose and S. L. Swope. 1,559,783; Nov. 3.
Clutch and transmission, Combined hydraulic. F. G. Spencer. 1,560,356; Nov. 3.
Coal breakers, Feeder for. F. Pardee. 1,560,304; Nov. 3.
Coal, Feeding dry pulverized. W. E. Trent. 1,559,810; Nov. 3.
Coal, Treatment of finely-divided. W. W. Stenning and W. H. Beasley. 1,560,116; Nov. 3.
Coin holder. A. H. Field. 1,560,074; Nov. 3.
Coin-operated lock. E. H. Dougherty. 1,560,146; Nov. 3.
Comb and clip. L. A. Henter. 1,559,698; Nov. 3.
Combustion, Method and apparatus for complete. E. Gates. 1,560,076; Nov. 3.
Commode. J. M. Hendrix. 1,560,422; Nov. 3.
Compasses, Apparatus for testing gyroscopic. E. A. Sperry. 1,560,435; Nov. 3.
Composing machines, Aligning means for line-by-line. A. A. Egli. 1,560,150; Nov. 3.
Composition of matter and producing the same. H. A. Winkelmann and H. L. Trumbull. 1,559,925; Nov. 3.
Compressor control. N. A. Christensen. 1,560,041; Nov. 3.
Concrete and the like, Reenforcement for. C. W. Watson. 1,559,819; Nov. 3.
Concrete construction, Reenforcement work for. O. Allen. 1,559,837; Nov. 3.
Concrete forms, Clamping device for. H. O. McMillan. 1,559,574; Nov. 3.
Condenser. T. Shipley. 1,559,998; Nov. 3.
Condenser, Variable electric G. J. Mulligan. 1,559,974; Nov. 3.
Confetti gun. G. G. Rutherford. 1,560,326; Nov. 3.
Connecting rod, Self-lubricating. H. N. Schramm. 1,559,918; Nov. 3.
Container. P. Zalkind. 1,559,834; Nov. 3.
Containers, Apparatus for filling. R. W. Gearhart. 1,560,050; Nov. 3.
Controlling mechanism. F. B. Little. 1,559,758; Nov. 3.
Conveyer. R. Peale. 1,559,772; Nov. 3.
Conveyer. R. B. Rogers. 1,560,430; Nov. 3.
Conveyer systems, Assorting apparatus for. J. G. Maclaren. 1,560,480; Nov. 3.
Conveyer systems, Selecting apparatus for. J. G. Maclaren. 1,560,479; Nov. 3.
Cookers, Detachable cover for waterless. R. H. Wentorf and E. A. Kerler. 1,559,594; Nov. 3.
Copper coatings on nonmetallic substances, Producing. M. Volmer. 1,560,444; Nov. 3.
Core tip. E. M. Allan. 1,560,192; Nov. 3.
Corn and the like, Drying rack for seed. T. Lubben. 1,560,179; Nov. 3.
Corn feeding and heading machine, Kafir-. J. E. Crown and J. R. Haining. 1,559,555; Nov. 3.
Couch-roll jacket. O. L. Russell. 1,559,785; Nov. 3.
Coupling: *See*—
Shaft coupling.
Crane. P. D. Ioniides. 1,559,880; Nov. 3.
Crane or the like. E. J. Armstrong. 1,560,194; Nov. 3.
Crank case, Sheet-steel. W. J. Foster. 1,560,342; Nov. 3.
Crank-shaft-turning device. F. T. Ellis. 1,560,152; Nov. 3.
Crate-advancing mechanism. W. W. Birnstock. 1,560,373; Nov. 3.
Cream receptacle, Skin-. C. Schümmelfeder. Des. 68,647; Nov. 3.
Cream skimmer, Siphon. B. D. Avis. 1,560,401; Nov. 3.
Crossing gate, Automatic. A. M. Harvey. 1,560,085; Nov. 3.
Crossing signal, Railway-. G. R. Hudson. 1,559,876; Nov. 3.
Crosstie, Metal. F. L. McManus and C. P. Kimmel. 1,560,069; Nov. 3.
Crusher. E. H. Frickey. 1,560,049; Nov. 3.
Crystal detector. F. E. Mann. 1,559,723; Nov. 3.
Crystallization, Process and apparatus for. H. Howard. 1,559,703; Nov. 3.
Crystallizing apparatus, Continuous. H. Howard. 1,560,473; Nov. 3.
Cultivating implement. W. S. Anderson. 1,560,362; Nov. 3.
Cup: *See*—
Oil cup. Wrench cup.
Cupboard. Collapsible camp. V. B. Humphreys. 1,559,878; Nov. 3.
Current motor. L. A. Petersen. 1,560,309; Nov. 3.
Current production and amplification, Selective. R. V. L. Hartley. 1,559,869; Nov. 3.
Curtain and shade hanger, Combined. D. Pelletier. 1,560,096; Nov. 3.
Curtain attachment. M. M. Larsen. 1,559,895; Nov. 3.





Curtain, Automobile. H. L. De Baugh, R. Meeks, and J. E. Strayer. 1,559,940; Nov. 3.
Curtain fastener. J. L. Peterson. Re16,198; Nov. 3.
Curtain rod and bracket therefor. D. M. Sarkisian. 1,559,991; Nov. 3.
Cutter: *See*—
Cheese cutter. Tongue cutter.
Fruit cutter.
Cutting and/or gripping device, Hand-operated. A. H. F. Perl and R. H. Carter. 1,560,397; Nov. 3.
Cutting blanks from irregular-surfaced material. G. A. Lippincott. 1,559,717; Nov. 3.
Cyanide tank. G. E. C. Rousseau. 1,559,914; Nov. 3.
Cylindrical end gauge. A. Steinle. 1,559,801; Nov. 3.
Danger signal. E. F. Shipman. 1,559,998; Nov. 3.
Deckling machine. F. C. Medick. 1,559,576; Nov. 3.
Dehydrator. A. W. Parker. 1,560,305; Nov. 3.
Dentifrice. L. Mandelstamm. 1,559,722; Nov. 3.
Desk. A. M. Achenbach. 1,560,131; Nov. 3.
Desks, Swinging stand for. B. H. Eby. 1,560,149; Nov. 3.
Diagnostic instrument. H. L. De Zeng. 1,559,558; Nov. 3.
Dial, Vernier. H. Charms. 1,560,140; Nov. 3.
Diamond-drill bit. M. E. Young. 1,560,490; Nov. 3.
Die: *See*—
Forging die.
Die holder, Self opening and closing threading-. R. A. Boehm; 1,560,462; Nov. 3.
Digger: *See*—
Hand-power digger. Potato digger.
Direction indicator. J. Evich. 1,559,603; Nov. 3.
Direction indicator. R. B. Lambert. 1,559,627; Nov. 3.
Dishwashing machine. H. W. McKenzie and R. L. Malthe. 1,560,273; Nov. 3.
Dishwashing machine. H. E. Merseles and F. W. Bemm. 1,559,727; Nov. 3.
Disintegrating machines, Safety device for. G. B. Willcox. 1,559,924; Nov. 3.
Disk wheel. S. W. Alderfer. 1,559,538; Nov. 3.
Dispensing device. H. C. Moorman. 1,559,905; Nov. 3.
Display cabinet, Pocketknife-. H. G. Roth. 1,559,647; Nov. 3.
Display device. W. C. Burgert and R. Heuer. 1,559,848; Nov. 3.
Display device. E. H. Wobber. 1,560,009; Nov. 3.
Display rack. E. B. Weston. 1,560,007; Nov. 3.
Display tray. A. C. Jackson. 1,559,964; Nov. 3.
Distillation oven, Continuous. J. Pieters. 1,560,311; Nov. 3.
Door Fireproof. C. C. Pfeiffer. 1,559,983; Nov. 3.
Door handle. W. P. Collins. Des. 68,614; Nov. 3.
Doors, Thermally-controlled safety handle for. A. Gabriel and W. F. Doenges. 1,560,509; Nov. 3.
Double-throw switch, Multiple-circuit. E. G. Danielson. 1,560,878; Nov. 3.
Dough divider. F. Streich. 1,559,805; Nov. 3.
Doughnut-transfer device. J. B. Doyle. 1,560,028; Nov. 3.
Drains, Device for cleaning floor. E. V. McCarthy. 1,559,900; Nov. 3.
Drill: *See*—
Rock drill.
Drilling machine. W. G. Allen. 1,560,193; Nov. 3.
Drilling machine. H. A. Douglas. 1,559,685; Nov. 3.
Drive wheel, Track-laying tread. R. R. Miller. 1,559,973; Nov. 3.
Driving mechanism. H. F. Morgan. 1,559,578; Nov. 3.
Drum washer. C. M. Rogers. 1,560,112; Nov. 3.
Earpiece, Double. H. G. Pape. 1,560,303; Nov. 3.
Easel, Display. E. Fischer. 1,559,859; Nov. 3.
Educational device. R. C. Beery and R. Craig. 1,559,665; Nov. 3.
Egg crates, Cover for. O. W. Leist. 1,560,888; Nov. 3.
Egg machinery and process. H. E. Harkin. 1,560,053; Nov. 3.
Electric conductors, Portable apparatus for identifying. W. J. Mahan. 1,560,278; Nov. 3.
Electric control system. J. C. Hale. 1,559,693; Nov. 3.
Electric controller. D. C. Wright and P. V. Tippet. 1,559,832; Nov. 3.
Electric discharge tube. M. Schmierer. 1,560,106; Nov. 3.
Electric fuse, Renewable. F. C. La Mar. 1,559,890; Nov. 3.
Electric machine, Dynamo. J. B. Frawley. 1,560,344; Nov. 3.
Electric Meter. H. T. Worrall. 1,560,459; Nov. 3.
Electric switch. H. A. Douglas. 1,559,683; Nov. 3.
Electric switch. W. Schmid. 1,559,788; Nov. 3.
Electric switch. E. R. Stoekle. 1,560,118; Nov. 3.
Electric switch. J. F. Tritle. 1,560,440; Nov. 3.
Electrical current-operated controlling mechanism. L. B. Hewitt. 1,559,700; Nov. 3.
Electrical switch. A. Linard. 1,560,177; Nov. 3.
Electrical switch. C. L. Perry. 1,560,308; Nov. 3.
Electrical switching circuits. G. H. Stevenson. 1,559,802; Nov. 3.
Electrolytic cell. I. H. Levin. 1,560,250; Nov. 3.
Electrons in vacuum discharge devices, Releasing. J. E. Lilienfeld. 1,559,714; Nov. 3.
Elevator transmission system. M. F. Hill. 1,560,055; Nov. 3.
Embossing machine. C. Chisholm. 1,560,200; Nov. 3.
Engine: *See*—
Gas engine. Loading engine.
Internal-combustion engine. Logging engine.
Engine and piston. A. A. West. 1,559,595; Nov. 3.
Engine starter. H. O. Ewing. 1,560,154; Nov. 3.
Engine valve, Internal combustion. W. Harper, jr. 1,559,694; Nov. 3.
Engines, Air-cooling device for. W. Trewhella. 1,560,121; Nov. 3.
Engines, Fuel-injection valve for internal-combustion. F. Müller. 1,559,759; Nov. 3.
Engines, Ignition timer for internal-combustion. V. Shearer. 1,559,995; Nov. 3.
Engines, Intake manifold for internal-combustion. G. M. Ball. 1,560,365; Nov. 3.
Engines, Magneto driving connection for gas. F. W. Andrew. 1,559,537; Nov. 3.
Engines, Mechanism for stopping reciprocating steam. E. O. Lundblad. 1,560,270; Nov. 3.
Engines, Pumpless, injection valve for Diesel. J. de Young. 1,560,025; Nov. 3.
Engines, Superheated steam equipment for internal-combustion. R. L. Lunt and F. M. Henry. 1,560,180; Nov. 3.
Envelope and letter sheet, Combined. J. A. Kaye. 1,559,621; Nov. 3.
Excavating machine. R. R. Downie. 1,560,147; Nov. 3.
Excavator. J. E. Schultz. Re16,190; Nov. 3.
Excavator bucket. H. J. Bentson. 1,560,186; Nov. 3.
Explosive and making same. R. C. Moran. 1,560,427; Nov. 3.
Explosive compound and producing same. H. A. Lewis. 1,560,426; Nov. 3.
Extension table. C. C. Kusterer. 1,559,711; Nov. 3.
Eyeglass construction. S. J. Clulee. 1,559,851; Nov. 3.
Eyeglasses and the like. A. L. Leibe. 1,559,630; Nov. 3.
Eyeglasses, Attachment for. H. M. Carroll, sr. 1,559,550; Nov. 3.
Fabric-cutting machine. J. Heyman. 1,559,871; Nov. 3.
Fabrics, Machine for making knitted pile. A. A. Grundy. 1,560,229; Nov. 3.
Face lifter. S. Cocroft. 1,560,409; Nov. 3.
Fan motor. J. S. Patterson. 1,560,306; Nov. 3.
Fastener. S. Ledoux. 1,560,264; Nov. 3.
Fastening strip. E. E. Hall. 1,559,749; Nov. 3.
Faucet. B. A. Pettersson. 1,559,585; Nov. 3.
Feed-through switch. J. B. Downing. Des. 68,618; Nov. 3.
Feeding people, J. M. Baltinger. Re16,195; Nov. 3.
Felts, Mechanism for measuring the width of endless. E. J. Wilson. 1,559,824; Nov. 3.
Fence. J. T. Barton. 1,559,734; Nov. 3.
Fertilizer distributor. W. F. Pittman. 1,560,313; Nov. 3.
Fever cure and fever-prevention means. C. H. Robertson and C. L. Allison. 1,560,323; Nov. 3.
File. J. R. Berndt. 1,560,072; Nov. 3.
Film and projecting same, Stereoscopic. G. Lane and J. E. Patterson. 1,559,893; Nov. 3.
Film-spooling lathe, Semiautomatic. J. G. Jones. 1,560,167; Nov. 3.
Film tensioning and framing device. A. F. Victor. 1,559,815; Nov. 3.
Filter device. H. S. Levinthal. 1,560,266; Nov. 3.
Filter for cisterns. C. B. Demaree. 1,559,941; Nov. 3.
Filter, Wave. W. H. Martin. 1,559,638; Nov. 3.
Filtering circuit. T. C. Fry. 1,559,864; Nov. 3.
Finger ring. J. Martin. Des. 68,632; Nov. 3.
Finger ring. I. A. Posner. Des. 68,636; Nov. 3.
Finger ring. M. L. Robbins. Des. 68,642–3; Nov. 3.
Finger ring. A. Suderov. Des. 68,670–5; Nov. 3.
Finger ring, Gem-set. M. L. Robbins. Des. 68,644; Nov. 3.
Finishing machine. F. A. E. Marsh. 1,559,637; Nov. 3.
Fire-escape chutes, Rust-resisting and adjustable supporting yoke for. D. F. Youngblood. 1,560,128; Nov. 3.
Fire extinguisher, Portable. W. Magg. 1,559,721; Nov. 3.
Fire pot and brazing torch, Combined. C. E. Chapman. 1,560,016; Nov. 3.
Fishing reel. C. A. Baker. 1,559,927; Nov. 3.
Flatiron and making the same. W. H. J. Fitzgerald. 1,559,860; Nov. 3.
Floats, Making metallic. C. C. Cleland and J. C. Mullinnix. 1,560,017; Nov. 3.
Floor and wall construction. E. E. Hall. 1,559,747; Nov. 3.
Floor clamp. C. W. Barto. 1,560,369; Nov. 3.
Flour, Treating. F. L. Dunlap. 1,560,045; Nov. 3.
Flues, Cleaner and scraper for furnace and boiler R. MacCarthy. 1,560,275; Nov. 3.
Fluid motor. J. Swendig and G. H. Lawrence. 1,559,654; Nov. 3.
Fluid-pressure motor. S. Hinds. 1,559,751; Nov. 3.
Foaming and frothing liquids, Method and apparatus for handling. W. D. Mount. 1,560,286; Nov. 3.
Foot bolt. H. E. Woernle. 1,559,828; Nov. 3.
Forge. C. Karral. 1,560,259; Nov. 3.
Forging die. F. B. Bell. 1,560,185; Nov. 3.
Form pieces from casein artificial horn, Producing unitary. A. Bartels and O. Miech. 1,560,868; Nov. 3.
Forming apparatus. F. E. Morris. 1,559,729; Nov. 3.
Forming machine P. Kucera. 1,560,064; Nov. 3.

Freight-anticreeping device. J. Wittman. 1,559,827; Nov. 3.
Frog, Rerailing. H. R. Warford. 1,559,818; Nov. 3.
Fruit cutter. W. H. Asher. 1,559,839; Nov. 3.
Fruit with antiseptics for the prevention of decay, Apparatus for the treatment of. W. R. Barger, W. V. Hukill, and L. A. Hawkins. 1,559,733; Nov. 3.
Fruits, Automatic and rapid production of crystallized or preserved. P. Navarre. 1,560,396; Nov. 3.
Fuel spreader. W. Ward. 1,559,817; Nov. 3.
Fumigating. W. S. Landis and G. H. Buchanan. 1,559,892; Nov. 3.
Furnace: *See*—
Soldering-iron furnace.
Furnace. E. P. Cole. 1,559,676; Nov. 3.
Furnace feed device. W. McNamara. 1,560,070; Nov. 3.
Furnace for granular fuel such as brown coal coke. C. Dillmann. 1,559,744; Nov. 3.
Furnace grate. C. G. and A. E. Holmes. 1,560,236; Nov. 3.
Furnaces, Method and apparatus for conserving heat from industrial. P. Kucera. 1,560,063; Nov. 3.
Furnaces, Method of and apparatus for loading and unloading enameling. R. A. Weaver and A. Stockstrom. 1,559,591; Nov. 3.
Furnaces, Regulator for heating. J. A. Welsh. 1,559,593; Nov. 3.
Furniture and the like, Slide for. R. S. Booth. 1,559,545; Nov. 3.
Furniture shoe. W. F. Herold. 1,559,699; Nov. 3.
Fuse cap. T. Kerrigan. 1,560,260; Nov. 3.
Fuse, Tracer. S. Wiley. 1,559,822; Nov. 3.
Game. T. A. Bakketun. 1,560,496; Nov. 3.
Game. V. C. Dickson. 1,560,026; Nov. 3.
Game. H. E. Gifford. 1,559,954; Nov. 3.
Game apparatus. A. M. Palmer. 1,560,302; Nov. 3.
Game board. F. S. Rode. Des. 68,645; Nov. 3.
Game, Card. T. C. Van Benthuysen. 1,559,813; Nov. 3.
Game rack. S. Cowen. 1,559,678; Nov. 3.
Games, Apparatus for playing race. J. C. P. Magwood. 1,560,277; Nov. 3.
Garment. R. Coopersmith. 1,560,218; Nov. 3.
Garment supporter. A. M. Ziegler. 1,560,130; Nov. 3.
Gas burner. H. E. Kerr. 1,560,248; Nov. 3.
Gas engine. E. T. Larkin. 1,559,628; Nov. 3.
Gas, Production of combustible. M. Klötzer. 1,559,622; Nov. 3.
Gas stream containing them, Apparatus for separating solid particles from a. M. W. Carty. 1,560,333; Nov. 3.
Gases, Purification of. H. A. Brassert. 1,560,202; Nov. 3.
Gasifying fuel, Plant for. A. M. Duckham; 1,560,337; Nov. 3.
Gasoline gauge. J. H. Barnes. 1,560,461; Nov. 3.
Gasoline, etc., Recovery of. H. B. Bernard. 1,560,137; Nov. 3.
Gasoline recovery. H. B. Bernard. 1,560,138; Nov. 3.
Gate: *See*—
Crossing gate.
Gates, Fastener for stake. B. B. Johnston. 1,559,881; Nov. 3.
Gauge: *See*—
Cylindrical end gauge. Liquid-level gauge.
Gasoline gauge. Tank gauge.
Gear, Draft. W. M. Austin. 1,559,540; Nov. 3.
Gear reduction. A. C. Hopkins. 1,560,161; Nov. 3.
Gear remover and replacer. W. E. Kelley. 1,559,885; Nov. 3.
Gear wheels, Manufacture of. C. A. Parsons, S. S. Cook, and J. Ford. 1,559,908; Nov. 3.
Gears, Generating. E. E. McCollum. 1,560,068; Nov. 3.
Gem-set ring. M. L. Robbins. Des. 68,641; Nov. 3.
Generator: *See*—
Pressure generator. Steam generator.
Generating and modulating system. R. A. Heising. 1,559,870; Nov. 3.
Glareshield. P. L. Charlebois. 1,560,408; Nov. 3.
Glareshield. C. Thompson. 1,560,002; Nov. 3.
Glass: *See*—
Reenforced glass.
Glass, Apparatus for making sheet. F. Geistharp. 1,560,078; Nov. 3.
Glass, Apparatus for making sheet. F. Geistharp. 1,560,080; Nov. 3.
Glass containers, Mechanism for making. W. E. Glaspey. 1,560,158; Nov. 3.
Glass knobs and similar articles, Machine for polishing or grinding. C. J. Powell. 1,559,643; Nov. 3.
Glass, Method and apparatus for making sheet. F. Geistharp. 1,560,079; Nov. 3.
Glass-molding apparatus, A. N. Cramer. 1,559,854; Nov. 3.
Glass molds, Grinding. B. Bart. 1,560,033; Nov. 3.
Glass, Process and apparatus for surfacing sheet. J. H. Fox. 1,559,862; Nov. 3.
Glass sheets, Apparatus for making. F. Geistharp. 1,560,077; Nov. 3.
Glassware and the like, Method and apparatus for cooling. P. Kucera. 1,560,062; Nov. 3.
Glassware, Apparatus for annealing. V. Mulholland. 1,560,481; Nov. 3.
Glider. C. R. Swift. 1,559,806; Nov. 3.
Golf-tee mold. F. H. Wiese. 1,560,453; Nov. 3.
Governor. F. H. Rogers. 1,559,782; Nov. 3.
Grader, Ditch-forming. J. D. and R. E. Adams. Re16,200; Nov. 3.
Grain-cracking machine. S. Snyder. 1,560,433; Nov. 3.
Grain, Method of and apparatus for cleaning. J. Andrews. 1,560,012; Nov. 3.
Granular material, Separator for. G. F. Royer. 1,559,916; Nov. 3.
Grate, Portable tourist's. M. G. Henn. 1,559,697; Nov. 3.
Grid-leak condenser. C. Pfanstiehl and W. O. Bell. 1,560,310; Nov. 3.
Grinder. A. F. Froussard. 1,560,507; Nov. 3.
Grinder, Saw. J. W. and R. R. Rauch. 1,560,317; Nov. 3.
Grinding machine. J. Bath. Re16,196; Nov. 3.
Gun, Portable pneumatic grease. C. B. Lansing. 1,559,894; Nov. 3.
Gyroscopes, Driving means for ships'. S. G. Myers. 1,560,428; Nov. 3.
Ham boiler. R. Lappert. 1,560,066; Nov. 3.
Hand bag. G. S. Trowbridge. 1,560,442; Nov. 3.
Hand-power digger. H. M. Wolfe. 1,559,829; Nov. 3.
Hanger: *See*—
Curtain and shade hanger.
Hanger. C. F. Erickson. 1,560,029; Nov. 3.
Harvester binders, Shocker attachment for. N. O. Knutson. 1,560,262; Nov. 3.
Hat protector. M. Bontempi and J. De Leo. 1,560,073; Nov. 3.
Hats, Apparatus for ironing. F. Gonzalez and M. Suarez. 1,559,691; Nov. 3.
Hat-steaming device. S. C. Markatos. 1,559,636; Nov. 3.
Headlight. R. E. Anthony. 1,559,838; Nov. 3.
Headlight, Automobile. L. A. Bean. 1,559,930; Nov. 3.
Headlight, Automobile. G. Boehmler. 1,560,376; Nov. 3.
Headlight for automobiles. F. J. Engel. 1,560,153; Nov. 3.
Headlight reflector, Automobile. C. Gentle. 1,559,680; Nov. 3.
Heater: *See*—
Air heater. Water heater.
Heat-exchange apparatus. H. J. Zimmermann. 1,559,602; Nov. 3.
Heat from one medium to another, Apparatus for transmission of. E. S. Lynger. 1,560,271; Nov. 3.
Heat, Production of radiant. B. Bark. 1,560,367; Nov. 3.
Heaters, Door structure for. E. P. Cole. 1,559,554; Nov. 3.
Heating and ventilating apparatus, Direct-indirect. T. F. O'Herron. 1,559,767; Nov. 3.
Heating apparatus, Electric. H. Geisenhöner. 1,560,294; Nov. 3.
Heel attaching. J. B. Hadaway. 1,559,571; Nov. 3.
Heel-shaping machine. N. L. Guilliford. 1,559,610; Nov. 3.
Hides, Stretcher and drier for. P. T. O'Brien. 1,560,290; Nov. 3.
High-tension switch. T. F. Johnson, jr. 1,560,165; Nov. 3.
High-voltage currents for medical treatment, Apparatus for producing. E. Geissler. 1,559,746; Nov. 3.
Highways, Snow remover for. J. and A. Mein. 1,560,089; Nov. 3.
Hoist equipment, Skip-. W. E. Hale. 1,560,230; Nov. 3.
Holder. P. Steinberg. 1,560,493; Nov. 3.
Hook: *See*—
Cluster hook. Swivel hook.
Releasing hook.
Hopper and car. G. N. Simpson. 1,560,109; Nov. 3.
Hoppers, Fluid method and apparatus for controlling and removing material from. F. B. Allen. 1,560,361; Nov. 3.
Hosiery frames, Mechanical movement for straight. W. Heinitz. 1,559,962; Nov. 3.
House: *See*—
Tool house.
Hub construction, Wheel-. J. W. Carnahan. 1,559,673; Nov. 3.
Ice-cream-center mold. W. W. Cassell. 1,560,205; Nov. 3.
Identification certificate. J. P. Edwards. 1,560,047; Nov. 3.
Ignition apparatus. A. A. Kent. 1,560,246–7; Nov. 3.
Impregnated material and producing same. K. Brown. 1,559,846; Nov. 3.
Incubator. C. F. Ott. 1,560,094; Nov. 3.
Index, Card. J. Jamieson. 1,560,058; Nov. 3.
Indicator: *See*—
Direction indicator. Railway indicator.
Liquid-level indicator.
Indicating device. W. W. Riedel. 1,560,111; Nov. 3.
Indicator. J. C. Dodd. 1,560,336; Nov. 3.
Inductance coil. D. R. Lovejoy. 1,560,178; Nov. 3.
Inductance device. F. E. Field. 1,559,858; Nov. 3.
Induction motor, Variable-speed. R. E. Stewart. 1,559,920; Nov. 3.
Insecticide. G. R. Seil and O. F. Hedenburg. 1,559,961; Nov. 3.
Internal-combustion engine. L. H. Dyer. 1,560,506; Nov. 3.
Internal-combustion engine. A. L. Powell. 1,560,492; Nov. 3.





Internal-combustion engine, Two-cycle multicylinder. T. D. Shepherd. 1,559,997; Nov. 3.
Internal-combustion motor. W. B. Clifford. 1,560,143; Nov. 3.
Ironing table. W. Kolb. 1,559,623; Nov. 3.
Jack: *See*—
Pump jack. Shoe-supporting jack.
Screw jack.
Jack attachment. O. Peterson. 1,559,910; Nov. 3.
Jack spool. H. D. Clinton. 1,559,553; Nov. 3.
Joint: *See*—
Tool joint.
Joist-supporting bracket. J. Nelessen. 1,559,582; Nov. 3.
Key. C. F. Preston, sr. 1,560,399; Nov. 3.
Knife or cutter, Rotary. M. T. Denne. 1,559,680; Nov. 3.
Knitting-machine sinker. H. N. Sheppard. 1,560,352; Nov. 3.
Knitting machines, Automatic stop for. F. E. Schulz. 1,559,648; Nov. 3.
Label, Varnish-can. V. Odquist. 1,560,092; Nov. 3.
Laces, cords, and the like, Fastener for. A. L. Cochrane. 1,560,217; Nov. 3.
Ladle carrier. A. Jones. 1,560,241; Nov. 3.
Laminated material from spinnable textile woven fabrics and an adhesive binder, Manufacture of. E. J. Guay. Re16,201; Nov. 3.
Lamp base. L. Severus. Des. 68,648–53; Nov. 3.
Lamp base. L. Severus. Des. 68,657; Nov. 3.
Lamp bracket. L. Severus. Des. 68,654–6; Nov. 3.
Lamp cleaner. J. E. Trosper. 1,560,441; Nov. 3.
Lamp, Electric. W. F. Reed. 1,560,319; Nov. 3.
Lamp for projection purposes, Incandescent-electric. D. Lely, jr. 1,560,265; Nov. 3.
Lamp, Miniature. J. L. Noll. 1,560,289; Nov. 3.
Lamp post. W. Dill. Des. 68,616; Nov. 3.
Lamp, Therapeutic. J. J. Rekar. Des. 68,637; Nov. 3.
Laundry work, Sorting device for. A. Gudmundsen and F. E. Dole. 1,559,608; Nov. 3.
Lawn trimmer. E. A. Snyder and F. C. Andretta. 1,560,355; Nov. 3.
Lay boy. A. Broadmeyer. 1,560,015; Nov. 3.
Ledger stand. C. E. Brooks. 1,559,844; Nov. 3.
Lens blanks, Set of fused bifocal-. G. A. Clement. 1,559,675; Nov. 3.
Lenses and the product, Producing. M. A. Laabs. 1,560,168; Nov. 3.
Lever lock. H. Eshelman and W. C. McLam. 1,560,252; Nov. 3.
Lifter: *See*—
Face lifter.
Light: *See*—
Spotlight.
Lighting fixture. W. von Nessen. Des. 68,680–1; Nov. 3.
Lighting-fixture holder. H. M. Brown. 1,559,669; Nov. 3.
Lighting-fixture part. P. Siptrott. Des. 68,658; Nov. 3.
Lighting fixtures, Ceiling plate for. H. E. Goldstein. Des. 68,624; Nov. 3.
Lighting plants, Controlling means for farm. T. Monk. 1,560,395; Nov. 3.
Lighting arrester. E. A. Everett. 1,559,857; Nov. 3.
Link, Detachable. A. Purdie. 1,559,775; Nov. 3.
Link-making press. N. B. Olson. 1,560,188; Nov. 3.
Links, Assembling. P. H. Johnson. 1,560,257; Nov. 3.
Liquid container. P. E. Kopp. 1,559,624; Nov. 3.
Liquid-level gauge. A. C. Foulk. 1,560,343; Nov. 3.
Liquid-level indicator. P. J. Seferlis. 1,560,350; Nov. 3.
Liquid-supply system. W. I. Derrick. 1,560,044; Nov. 3.
Loading engine. M. H. Dickinson. 1,559,856; Nov. 3.
Lock: *See*—
Auxiliary lock. Lever lock.
Bedspring lock. Nut lock.
Chain lock. Permutation lock.
Coin-operated lock.
Lock. A. G. Hjert. 1,560,424; Nov. 3.
Lock. J. M. Wilson. 1,560,455; Nov. 3.
Lock for handles of safes or vaults. A. Gabriel. 1,560,508; Nov. 3.
Locks, Lever handle for safe. W. F. Doenges. 1,560,504; Nov. 3.
Locks, Lever latch for safe. W. F. Doenges. 1,560,503; Nov. 3.
Locomotive, Combined steam and internal-combustion engine. J. Buchli. 1,559,548; Nov. 3.
Locomotive having combined internal combustion and electric propulsion system. E. Zbinden. 1,559,601; Nov. 3.
Locomotive tender. H. M. Pflager. 1,559,586; Nov. 3.
Logging engine, Intergeared skyline. S. B. Gorbutt. 1,559,692; Nov. 3.
Loud speaker. E. J. Reich and G. J. Eltz, jr. 1,559,777; Nov. 3.
Loud-speaker base. W. Van Guilder. Des. 68,679; Nov. 3.
Lubricant. M. F. Webster. 1,559,592; Nov. 3.
Lubricator: *See*—
Multiple lubricator.
Mail box. F. Schwarz. 1,560,330; Nov. 3.
Mail-pouch collector. R. M. Thompson. 1,559,808; Nov. 3.
Mangle, Clothes. N. E. Gullerud. 1,559,609; Nov. 3.
Match splints, Treating. J. P. Wright. 1,560,010; Nov. 3.
Matches, Machine for packing. J. C. Donnelly. 1,559,943; Nov. 3.
Materials of different specific gravities, Apparatus for separating. T. M. Chance. 1,559,938; Nov. 3.
Materials of different specific gravities, Method and apparatus for separating. T. M. Chance. 1,559,937; Nov. 3.
Mattress. C. Z. Edelson, J. Goldeen, and M. D. Tarlow. 1,559,686; Nov. 3.
Mattress and making the same. W. H. Kelsey. 1,559,708; Nov. 3.
Measuring stopper for containers. J. M. Angeletti. 1,560,013; Nov. 3.
Mechanical movement. P. J. Meahl. 1,559,970; Nov. 3.
Metal, Press for embossing. A. B. Underwood. 1,559,658; Nov. 3.
Metal-working machine. C. H. Zller. 1,559,835; Nov. 3.
Metallurgical slag, Treatment of. H. H. Stout. 1,559,803; Nov. 3.
Meter: *See*—
Electric meter.
Metering or measuring device. I. Dye. 1,560,046; Nov. 3.
Milling machine, Portable. H. W. Brewer. 1,560,034; Nov. 3.
Mines, Roof support for. W. H. Doughty. 1,559,560; Nov. 3.
Mining machine. K. Davis. 1,559,742; Nov. 3.
Mirror stand. J. P. Tilson. 1,560,358; Nov. 3.
Mold: *See*—
Golf-tee mold. Ice-cream-center mold.
Molders' sand, Method of and apparatus for separating and blending. G. F. Royer. 1,559,915; Nov. 3.
Molding machine. H. L. Demmler. 1,560,145; Nov. 3.
Molding press. H. J. Kasch. 1,559,884; Nov. 3.
Molding press. F. E. Stevenson and T. F. Stacy. 1,560,117; Nov. 3.
Motor: *See*—
Current motor. Internal-combustion motor.
Fan motor. Outboard motor.
Fluid motor. Water motor.
Fluid-pressure motor. Wave and tide motor.
Induction motor.
Motor-casing closure. W. C. Brinton. 1,560,035; Nov. 3.
Motor-control system, Electric-. A. H. Jackson. 1,560,382; Nov. 3.
Motor controller. A. J. Cline and T. I. Dekle. 1,560,216; Nov. 3.
Motor controller. H. L. Van Valkenburg. 1,559,814; Nov. 3.
Motors, Spark plug for internal-combustion. C. A. Laffiteau and W. C. Hendrix. 1,560,087; Nov. 3.
Muffler device for telephones. K. J. Nash. 1,559,581; Nov. 3.
Multiple lubricator. W. O. Olson. 1,560,299; Nov. 3.
Music-leaf turner. F. Theil. 1,560,357; Nov. 3.
Musical instrument. J. L. Banks. 1,560,497; Nov. 3.
Nail expansion, Corrugated. J. Karitzky. 1,559,619; Nov. 3.
Name-plate holder. B. D. Horton. Des. 68,627; Nov. 3.
Necktie holder. A. W. Wilson. 1,559,823; Nov. 3.
Nutcracker. J. W. Schweitzer. 1,560,349; Nov. 3.
Nut, Lock. J. Rogier. 1,560,324; Nov. 3.
Nut lock. T. R. Walker. 1,560,004; Nov. 3.
Nozzle, Electrically-heated sanding. C. B. Johns. 1,560,256; Nov. 3.
Nozzle stand, Exhaust-. T. H. Clapham. 1,560,142; Nov. 3.
Oil burner. G. B. Dahl. 1,559,939; Nov. 3.
Oil burner. R. L. Doran. 1,559,559; Nov. 3.
Oil can. V. Erickson. 1,560,340; Nov. 3.
Oil cup. L. C. Dutro. 1,560,338; Nov. 3.
Oil, Distilling. L. E. Hirt. 1,559,701; Nov. 3.
Oiler, Hog. J. Roberts. 1,559,781; Nov. 3.
Oil saver. J. W. Lobdell. 1,560,391; Nov. 3.
Oils, Refining vegetable. C. H. Hapgood and G. F. Mayno. 1,560,084; Nov. 3.
Ophthalmoscope. H. L. De Zeng. 1,559,557; Nov. 3.
Ordnance members, sighting instruments, and the like, Controlling the movements of. S. A. Farrell and M. R. McNeill. 1,559,566; Nov. 3.
Ore concentration. C. P. Lewis. 1,560,170; Nov. 3.
Organic bodies, Oxidizing. J. V. Meigs. 1,560,297; Nov. 3.
Ornamentation. C. D. Hoppes. 1,560,472; Nov. 3.
Outboard motor. L. J. and H. L. Johnson. 1,559,616; Nov. 3.
Overshoe. K. F. Volkey. 1,560,124; Nov. 3.
Oxford. G. Miller. Des. 68,635; Nov. 3.
Packing, Pump. W. A. O'Bannon. 1,559,766; Nov. 3.
Paddle ball. T. H. Furman. 1,559,953; Nov. 3.
Paint, Waterproof. J. Gallinn. 1,560,075; Nov. 3.
Pan-greasing machine. W. Moller. 1,560,394; Nov. 3.
Paper-blank-feeding mechanism. H. Brady and A. W. Hilsinger. 1,560,171; Nov. 3.
Paper-cutting mechanism. A. W. Hilsinger. 1,559,873; Nov. 3.
Paper holder, Toilet-. E. S. Baldwin. 1,559,663; Nov. 3.
Paper-machine felts, Apparatus for washing. J. T. Ayers. 1,560,331; Nov. 3.
Paper-match machines, Link carrier for. L. E. Parker. 1,560,484; Nov. 3.
Parachute harness. G. M. Ball. 1,560,366; Nov. 3.

Paraffin-press-plate-separating device. A. Vitenko. 1,560,443; Nov. 3.
Pattern: *See*—
Stencil embroidery pattern.
Pavement. H. H. Smith. 1,560,354; Nov. 3.
Pearls by the dipping process, Machine for varnishing artificial. J. Paisseau. 1,559,907; Nov. 3.
Peateries, Reducing the percentage of water of. A. Ten Bosch. 1,559,934; Nov. 3.
Pen. J. J. Kleschka. 1,559,968; Nov. 3.
Pen, Automatically-filling fountain. E. R. G. A. Rösler. 1,560,485; Nov. 3.
Pen, Self-filling fountain. H. W. Kish. 1,560,061; Nov. 3.
Perforating machine. J. H. Reinhardt. 1,559,987; Nov. 3.
Permutation lock. P. Giba. 1,559,570; Nov. 3.
Petroleum, Extracting waxes from crude. E. Petty. 1,559,981; Nov. 3.
Petroleum, Producing wax-free products from crude. E. Petty. 1,559,982; Nov. 3.
Photographic apparatus. W. C. Butehorn. 1,559,936; Nov. 3.
Photographic cartography, Apparatus for. S. M. Fairchild and E. R. Morton. 1,559,688; Nov. 3.
Photographic sensitizer. E. E. Jelley. 1,560,240; Nov. 3.
Photography, Color motion-picture. A. W. Carpenter. 1,559,674; Nov. 3.
Piano-body construction, Grand-. C. Loitsch. 1,560,268; Nov. 3.
Picture films, Method of and machine for coloring motion-. L. E. Taylor. 1,560,438; Nov. 3.
Picture machine, Fire-extinguishing attachement for motion-. G. L. Farrar. 1,560,030; Nov. 3.
Pictures, Producing color. L. E. Taylor. 1,560,437; Nov. 3.
Pin: *See*—
Clothespin.
Pin wheel. J. Heberling. 1,559,696; Nov. 3.
Pipe and boiler coverings, Treating. A. M. Ehret. 1,559,564; Nov. 3.
Pipe clevis. W. H. Conklin. 1,560,411; Nov. 3.
Pipe connection. J. W. Flower. 1,559,661; Nov. 3.
Pipe fitting. J. F. Jennings. 1,559,706; Nov. 3.
Pipe-flanging tool. T. H. Muth. 1,560,186; Nov. 3.
Pipes, Return-bend header for. H. Feldmeier. 1,559,949; Nov. 3.
Piston. D. J. Peeler. 1,560,307; Nov. 3.
Piston. G. and H. G. Hanson. 1,560,175; Nov. 3.
Piston, Engine. A. Spillman. 1,559,800; Nov. 3.
Piston ring. F. S. Orem. 1,560,093; Nov. 3.
Plant support. J. H. Brown. 1,560,404; Nov. 3.
Plastering machine, Pneumatic. M. M. Bernier. 1,559,668; Nov. 3.
Plastic composition. G. J. Muller. 1,559,731; Nov. 3.
Plastic composition and method of using it. C. T. Fuller. 1,560,346; Nov. 3.
Plate or similar article. H. J. Taylor. Des. 68,676; Nov. 3.
Platen presses, Micrometer feed guide for. F. Merryman. 1,559,726; Nov. 3.
Plates and rollers to ornament materials, Form of. J. O. Ball. 1,559,928; Nov. 3.
Plug and valve, Sediment. B. S. Mahaffey. 1,560,296; Nov. 3.
Plug, Three-way. T. A. Both. Des. 68,610; Nov. 3.
Plug, Two-way. T. A. Both. Des. 68,609; Nov. 3.
Plumbing, Cabinet. J. F. Langston. 1,560,386; Nov. 3.
Plumbing tool. H. C. Martin. 1,560,280; Nov. 3.
Pocket-bearing construction. T. V. Buckwalter. 1,559,670; Nov. 3.
Pole-step device, Temporary. L. M. Bollinger. 1,559,842; Nov. 3.
Portfolio. N. Chivily. 1,559,551; Nov. 3.
Pot drainer. A. E. Moore. 1,559,904; Nov. 3.
Potato digger. J. Q. Tilton. 1,560,359; Nov. 3.
Poultry for packing or display, Preparing. E. J. Nagy. 1,559,906; Nov. 3.
Poultry-powdering machine. P. P. Hemm and W. E. Bernstein. 1,559,750; Nov. 3.
Power tool. C. A. and J. S. McCray and J. E. Thomas. 1,559,720; Nov. 3.
Power-transmission device, Automatice speed-changing. H. J. Murray. 1,559,975; Nov. 3.
Power-transmission mechanism. J. B. Ents. 1,559,945; Nov. 3.
Power-transmitting and steering-gear mechanism, Combined. E. O. Powers. 1,560,098; Nov. 3.
Precious stones, Piercing, threading, and enameling transparent. E. De Haan. 1,560,414; Nov. 3.
Press: *See*—
Link-making press.
Molding press.
Paraffin press.
Pressure generator, Fluid-. H. W. Bell. 1,559,931; Nov. 3.
Pressure-responsive device. F. H. Brown. 1,559,547; Nov. 3.
Pressure system. R. L. Cross. 1,559,741; Nov. 3.
Primary battery. L. Darimont. 1,560,379; Nov. 3.
Printing form, Flexible. C. Chisholm. 1,560,210; Nov. 3.
Printing forms, Removable insert for. C. Chisholm. 1,560,211; Nov. 3.
Printing plates, Reproducing half-tone. E. A. Kuns. 1,559,710; Nov. 3.
Printing presses, Automatic feeding device for. C. A. H. Bullock. 1,559,549; Nov. 3.
Program, Race-meeting. H. Lister. 1,559,719; Nov. 3.
Prophylactic and making same. O. Lowy. 1,559,899; Nov. 3.
Pull switch. R. B. Benjamin. 1,560,197; Nov. 3.
Pulling-over machine. M. T. Denne. 1,559,681; Nov. 3.
Pulp grinder. D. W. Eipper. 1,560,151; Nov. 3.
Pulp manufacture, Preparation of wood for. J. H. Wallace. 1,560,447; Nov. 3.
Pulp material, Wood-. J. H. Wallace. 1,560,448; Nov. 3.
Pulp process. J. H. Wallace. 1,560,446; Nov. 3.
Pulverizing mills, Feed control for. O. A. Sauer. 1,559,786; Nov. 3.
Pump. E. Gray. 1,559,606; Nov. 3.
Pump. O. Mowers. 1,559,579; Nov. 3.
Pump-cylinder protector. G. Wiese. 1,560,454; Nov. 3.
Pump jack. J. O. Hearn. 1,560,086; Nov. 3.
Pump mounting. H. C. Zimmerman. 1,559,836; Nov. 3.
Rack: *See*—
Display rack.
Game rack.
Toothbrush rack.
Racket, Tennis. C. F. Quick. 1,559,986; Nov. 3.
Radiator cap. E. Donaldson. Des. 68,617. Nov. 3.
Radiator cap. J. C. Juneau. Des. 68,629; Nov. 3.
Radiant energy, Method and system for the transmission of. E. L. Chaffee. 1,560,206; Nov. 3.
Radiator fan, Adjustable. C. F. Ehinger. 1,560,173; Nov. 3.
Radiocabinet, Console. C. B. Smith. Des. 68,661; Nov. 3.
Radiofrequency amplifier. S. Cohen. 1,560,292; Nov. 3.
Radioreceiver, Console. C. B. Smith. Des. 68,660; Nov. 3.
Radio receiving system. H. J. J. M. de R. de Bellescize. 1,559,743; Nov. 3.
Radioreproducers, Cabinet for loud-speaker. C. D. White. Des. 68,686; Nov. 3.
Radiotable. C. B. Smith. Des. 68,659; Nov. 3.
Radius rod. A. D. Purtle and D. C. Farra. 1,559,985; Nov. 3.
Raft, Log. G. G. Davis. 1,560,021; Nov. 3.
Rail anchor. H. G. Warr. 1,559,589–90; Nov. 3.
Rail fastener. W. Dalton. 1,560,500–1; Nov. 3.
Rail, Road. H. A. Trester. 1,560,516; Nov. 3.
Rail, Track guard. P. Hamilton. 1,559,612; Nov. 3.
Railway-crossing gate control. I. S. Obaver. 1,559,977; Nov. 3.
Railway indicator. T. E. Kyniston. 1,559,626; Nov. 3.
Railway signal, Automatic. G. F. and R. D. Born. 1,559,933; Nov. 3.
Railway-traffic controlling apparatus. H. M. Ryder. 1,559,980; Nov. 3.
Railway wagons, Apparatus for tipping and discharging. T. G. Mitchell. 1,559,903; Nov. 3.
Range-finding device. N. Miller. 1,559,728; Nov. 3.
Razor, Safety. W. H. Alden, jr. 1,559,536; Nov. 3.
Razor-stropping device. F. A. Leigh. 1,559,897; Nov. 3.
Razor-stropping device. A. J. Postans. 1,559,774; Nov. 3.
Reamer, Trip. R. E. Cooper. 1,560,019; Nov. 3.
Receptacle closure. S. A. Yager. 1,560,489; Nov. 3.
Reel: *See*—
Fishing reel.
Reel for tape and like textiles. F. Edinger and A. J. Gelow. 1,559,561; Nov. 3.
Reenforced glass. G. B. Riley. 1,560,321; Nov. 3.
Reflector, Double-focusing. L. A. Bean. 1,559,929; Nov. 3.
Reflector signal. H. W. Conde and D. M. Palmer. 1,560,410; Nov. 3.
Reflectors and apparatus therefor, Forming metal. B. Bart. 1,560,032; Nov. 3.
Refrigerating machines, Air-cooled. A. D. Karr and K. D. Perkins. 1,559,883; Nov. 3.
Refrigerator. J. Schuilde. 1,560,104; Nov. 3.
Register: *See*—
Autographic register.
Releasing hook. A. G. Cameron. 1,559,849; Nov. 3.
Relay and the like. J. W. French. 1,559,567; Nov. 3.
Resin, Production of. F. E. Greenwood. 1,560,420; Nov. 3.
Resurfacing machine. C. T. Adair. 1,559,926; Nov. 3.
Retarding device. A. D. Trenor. 1,560,439; Nov. 3.
Revolver-loading device. M. F. F. Wilson. 1,559,825; Nov. 3.
Rheostat. F. A. Calkins. 1,560,405; Nov. 3.
Ribbon block. C. A. Isleib. 1,559,754; Nov. 3.
Rifle barrel and sight protector. W. F. Roberts. 1,560,322; Nov. 3.
Ring: *See*—
Piston ring.
Ring. M. L. Robbins. Des. 68,638–40; Nov. 3.
Rock drill. M. A. Knapp. 1,559,709; Nov. 3.
Rod: *See*—
Connecting rod.
Radius rod.
Strut rod.
Rod finger. D. L. Jones. 1,560,258; Nov. 3.
Rod support, Radius-. A. C. Antoine. 1,559,661; Nov. 3.
Roller: *See*—
Road roller.
Skate roller.
Vibrating roller.
Roller, Three-wheel road. W. T. Beatty and F. S. Davis. 1,559,542; Nov. 3.





Rollers, Course-indenting attachment for road. R. W. Keeler. 1,560,295; Nov. 3.
Roofing. F. C. Overbury. 1,560,301; Nov. 3.
Roofing, Sheet-metal. G. B. King. 1,559,967; Nov. 3.
Rotary slip. R. D. Hill. 1,560,234; Nov. 3.
Rubber compositions, Making. G. W. Acheson. 1,560,132; Nov. 3.
Rubber faced-paving and like block. L. Gaisman. 1,560,174; Nov. 3.
Rubber, Treating. C. M. Carson. 1,560,465; Nov. 3.
Rubber, Treating. E. B. Spear. 1,560,488; Nov. 3.
Rupture appliance. A. J. La Duke. 1,560,169; Nov. 3.
Sack, Cotton-picker's. L. H. Younger. 1,560,491; Nov. 3.
Sadirons, Switch for electric. G. J. Baster. 1,560,148; Nov. 3.
Safety temperature control. C. L. Bastian. 1,560,196; Nov. 3.
Sand-dusting screen. L. H. Carufel. 1,560,406; Nov. 3.
Sash, Combined slidable and reversible window. L. B. Taylor. 1,560,001; Nov. 3.
Sash fastener. N. Baum. 1,559,735; Nov. 3.
Sash fastener. R. S. Reid. 1,560,429; Nov. 3.
Sash, Revolving window. J. Matzelle. 1,559,639; Nov. 3.
Saw mounting, Swing-. W. F. Pfau. 1,560,189; Nov. 3.
Scale. L. Jaenichen. 1,559,755; Nov. 3.
Scales, Temperature compensator for spring. G. M. Ludlow. 1,559,573; Nov. 3.
Scraper. O. Fanberg. 1,559,946; Nov. 3.
Screen: *See*—
Sand-dusting screen.
Screw jack. C. Birnbaum and E. J. Gutman. 1,559,667; Nov. 3.
Screw-threading machine, Automatic. A. A. Shafer. 1,560,487; Nov. 3.
Seat: *See*—
Automobile driver's seat.
Selector device. R. C. Child. 1,560,208; Nov. 3.
Sewing. F. Baker. 1,559,840; Nov. 3.
Sewing-machine attachment. A. B. Mattingly. 1,560,281–2; Nov. 3.
Sewing-machine attachment for folding and guiding strips of fabric. K. E. Cunningham. 1,560,219; Nov. 3.
Sewing machine, Buttonhole-. E. B. Allen. 1,559,539; Nov. 3.
Sewing machine, Flat-seam. R. R. Hughes, jr. 1,560,163; Nov. 3.
Sewing-machine table. J. L. Sherrod. 1,559,794; Nov. 3.
Sewing machines, Binder or folder for. A. H. Weis. 1,559,820; Nov. 3.
Shade, Automatically-adjustable slide-roller window. B. T. Britt. 1,560,402; Nov. 3.
Shade bracket, Window-. R. B. Miller. 1,559,902; Nov. 3.
Shade, Porch. G. A. Walker. Des. 68,682–4; Nov. 3.
Shade-roller and curtain-pole support. B. M. Davis. 1,560,413; Nov. 3.
Shade support, Adjustable window-. G. Berczik. 1,560,199; Nov. 3.
Shaft coupling. J. L. Bosket. 1,559,546; Nov. 3.
Shaft transmission drive, Flexible-. W. H. Schulze. 1,560,329; Nov. 3.
Sharpener, Pencil. O. E. Bork. 1,560,291; Nov. 3.
Sharpening device. C. Gearinger. 1,560,348; Nov. 3.
Sharpening machine, File-. E. P. Pitfield. 1,560,312; Nov. 3.
Sheet-feeding machine. R. Hitchcock. 1,560,470; Nov. 3.
Sheet metal and screw connecting means. T. Olinger. 1,559,768; Nov. 3.
Sheet metal articles, Manufacture of. J. Bingham. 1,560,201; Nov. 3.
Sheet-stacking machine, Automatic. B. K. Sandaljian. 1,560,113; Nov. 3.
Sheet-trimming machine. G. F. Wielandt. 1,560,482; Nov. 3.
Shelf and rack construction. W. M. Vance. 1,560,122; Nov. 3.
Shelf, Sheet-metal. E. C. Staples. 1,560,436; Nov. 3.
Shellacking machine. H. Wagner. 1,560,445; Nov. 3.
Shingle, Flexible. H. Macinnes. 1,560,276; Nov. 3.
Ships, and vessels sinking, Means for preventing. J. P. Poloueetoff and I. Bokhanowsky. 1,560,314; Nov. 3.
Shock absorber. J. W. Kessler. 1,560,477; Nov. 3.
Shoe. H. Dennert. 1,560,023; Nov. 3.
Shoe guide, Casing-. R. C. Baker. 1,559,662; Nov. 3.
Shoe stiffener and making it. F. Ricks. 1,559,645; Nov. 3.
Shoe-supporting jack. L. E. Topham. 1,560,360; Nov. 3.
Shoes, Apparatus for softening. A. Young. 1,559,833; Nov. 3.
Shoes, Making. W. H. Frank. 1,559,863; Nov. 3.
Shore and trench brace. H. O. McMillan. 1,559,575; Nov. 3.
Shoulder-strap holder. J. V. Pilcher and J. F. Babbitt. 1,559,587; Nov. 3.
Shuttle-box mechanism. W. S. Wells. 1,560,006; Nov. 3.
Shuttle, Weaving. P. Comeau. 1,560,334; Nov. 3.
Sign. F. M. Ginger. 1,559,605; Nov. 3.
Signs, Producing enameled metal. C. Kapner. 1,559,572; Nov. 3.
Signal: *See*—
Crossing signal.
Danger signal.
Railway signal.
Reflector signal.
Signaling apparatus. E. B. Craft. 1,559,679; Nov. 3.
Signaling circuits, Selective. M. R. Gowing. 1,559,865; Nov. 3.
Signaling device, Coin or slug actuated. J. Lang and F. S. Pilarski. 1,560,385; Nov. 3.
Signaling system. A. Schmidt, jr. 1,560,431; Nov. 3.
Signaling system. J. W. Horton. 1,559,753; Nov. 3.
Signaling with phase reversals. H. Nyquist. 1,559,641–2; Nov. 3.
Skate roller. F. E. Billings. 1,560,014; Nov. 3.
Skirt-plait holder. C. M. Allen. 1,560,191; Nov. 3.
Smoke consumer and fuel economizer. J. G. Naylor. 1,560,187; Nov. 3.
Smoker's outfit. H. C. Traute. 1,560,003; Nov. 3.
Snow plow. R. E. Choate. 1,560,141; Nov. 3.
Socket. H. A. Douglas. 1,559,684; Nov. 3.
Soldering-iron furnace. E. L. Bullock and E. S. Umstead. 1,559,671; Nov. 3.
Sole clipper, Double-. T. B. Powell. 1,559,911; Nov. 3.
Solutions containing loosely-combined oxygen and making the same, Stabilizer for. V. Wintsch, jr. 1,559,600; Nov. 3.
Solutions containing loosely-combined oxygen, Stabilizing. V. Wintsch, jr. 1,559,599; Nov. 3.
Sound-reproducing device. L. de Forest. 1,560,502; Nov. 3.
Sound-reproducing device. P. B. Delany. Re16,197; Nov. 3.
Spark gap. J. G. H. Liebel and E. S. Flarsheim. 1,560,390; Nov. 3.
Spark plug. H. G. Grier. 1,560,081; Nov. 3.
Spark plug. L. Hirsch. 1,560,510–15; Nov. 3.
Spectacle and eyeglass frames, Making cellulose-composition-material. E. L. Schumacher. 1,559,791; Nov. 3.
Speed alarm, Excess-. F. M. Hills and J. G. Ambrose. 1,559,872; Nov. 3.
Speeds, Apparatus for the measurement of. A. Seguin. 1,559,793; Nov. 3.
Spike, Railway. J. H. Downey. 1,560,221; Nov. 3.
Splitting machine. J. G. Norton. 1,559,640; Nov. 3.
Spool construction. E. S. Teed. 1,560,120; Nov. 3.
Spoons, Making wooden. J. Lewis. 1,560,389; Nov. 3.
Spotlight. J. B. Castino. 1,560,039; Nov. 3.
Spotlight. K. M. Wise. 1,560,458; Nov. 3.
Spotlight bracket, Dirigible-. G. W. Haman. 1,559,611; Nov. 3.
Sprayer. G. W. Lisk. 1,559,718; Nov. 3.
Sprayer with air chamber and transverse tank. H. E. Brandt. 1,559,843; Nov. 3.
Spring suspension. H. Smith. 1,560,115; Nov. 3.
Sprinkler head. W. V. Thompson. 1,559,655; Nov. 3.
Stall floor. A. Hebert. 1,560,160; Nov. 3.
Stand: *See*—
Ledger stand.
Mirror stand.
Nozzle stand.
Tree stand.
Stapling, perforating, and punching machine, Combined. M. F. Schulist. 1,560,328; Nov. 3.
Steam generator. H. A. Nicholson. 1,559,763; Nov. 3.
Steering wheel. C. W. Beck. 1,560,133–4; Nov. 3.
Steering wheels, Watch holder for vehicle. S. W. French. 1,559,952; Nov. 3.
Stencil. L. H. Carufel. 1,560,407; Nov. 3.
Stencil embroidery pattern. E. B. Mehlem. 1,560,283; Nov. 3.
Stitch-separating machine. J. Smith and F. Ricks. 1,559,651; Nov. 3.
Stocking form. C. E. Dennison. 1,560,415; Nov. 3.
Stoker. J. A. Carey. 1,560,203–4; Nov. 3.
Stoker, Mechanical. W. T. Hanna. 1,560,088; Nov. 3.
Stone and process of making, Artificial. R. M. Wesley. 1,560,450; Nov. 3.
Stool and the like. C. G. Marks. 1,560,279; Nov. 3.
Storage battery. T. A. Edison. 1,559,562; Nov. 3.
Stove, Gas heating. H. Kämpe. 1,559,882; Nov. 3.
Strainer, Milk. J. F. Horne. 1,560,471; Nov. 3.
Strut rod. C. Gitsendanner. 1,560,051; Nov. 3.
Structures by electric welding, Repairing cracked or broken. R. Mattice. 1,559,901; Nov. 3.
Stylus-bar mounting. C. Scrabic. 1,559,993; Nov. 3.
Sucker-rod guide, Wooden. J. C. Dodson. 1,560,468; Nov. 3.
Suction cleaner. J. R. Vander Putten. 1,560,400; Nov. 3.
Sulphur products, Making. W. C. Piver. 1,559,984; Nov. 3.
Surfaces under water, Treatment of. A. Mauterer. 1,559,969; Nov. 3.
Surveyor's instrument. G. W. Lingle and J. Kerkhoff. 1,559,716; Nov. 3.
Suspenders. B. L. Galbraith. 1,560,157; Nov. 3.
Sweatband, Sanitary detachable. W. H. Schnebel. 1,559,917; Nov. 3.
Switch: *See*—
Automatic switch.
Canopy switch.
Double-throw switch.
Electric switch.
Electrical switch.
Hight-tension switch.
Pull switch.
Switch and fuse mounting. T. E. Murray, jr. 1,559,580; Nov. 3.
Switch-operating device. O. L. Oertel. 1,560,483; Nov. 3.
Switch-point guard. W. P. Kalff. 1,560,241; Nov. 3.
Switching circuit, Pole-changer. J. F. Meyers. 1,560,284; Nov. 3.

Swivel hook. F. C. Lester. 1,559,713; Nov. 3.
Syringe, Veterinary. R. H. Page. 1,559,978; Nov. 3.
Table: *See*—
Extension table. Sewing-machine table.
Ironing table.
Table. H. L. Hudson. 1,560,239; Nov. 3.
Table. J. R. McCargar. Des. 68,633; Nov. 3.
Table. W. A. Snow. Des. 68,664; Nov. 3
Talking machines and the like, Balance beam for tone arm of. E. H. Hand. 1,560,231; Nov. 3.
Tank: *See*—
Cyanide tank.
Tank gauge, Gasoline-. W. F. Reed. 1,560,318; Nov. 3.
Tap-splitting machine. J. F. Donnelly. 1,560,027; Nov. 3.
Tapping attachments and the like, Clutch construction for. G. W. Emrick. 1,559,944; Nov. 3.
Tapestry holdback, Curtain. D. M. Sarkisian. 1,559,990; Nov. 3.
Tea measuring and delivering appliance. N. W. McLean and W. A. Kyle. 1,560,184; Nov. 3.
Telephone receiver. J. A. Williams. 1,559,596–7; Nov. 3.
Telephone system. L. D. Kellogg. 1,560,245; Nov. 3.
Telephone systems, Service-observing equipment for automatic. J. N. Walters. 1,559,659; Nov. 3.
Telephones, Automatic responding and recording device for. S. Fisher. 1,560,226; Nov. 3.
Temperature-maintaining vessel. A. E. Blackman. 1,560,375; Nov. 3.
Tent. A. W. Skog. 1,560,110; Nov. 3.
Tent. A. W. Skog. 1,560,114; Nov. 3.
Testing device. L. Treutheit. 1,559,921; Nov. 3.
Textile fabric. I. Strauss. Des. 68,666–9; Nov. 3.
Textile fabric. T. W. Estes. Des. 68,620–2; Nov. 3.
Theater. L. Brown. 1,559,739; Nov. 3.
Therapeutic treatment, Electrode for unipolar high-frequency. W. Otto. 1,559,769; Nov. 3.
Thermionic repeater or oscillator circuits. H. S. Read. 1,559,776; Nov. 3.
Thread-controlling mechanism, Looper. G. S. Gatchell. 1,559,568; Nov. 3.
Throttle control. W. C. McLam and H. Eshelman. 1,560,274; Nov. 3.
Ticket machine, Pin-. E. L. Kinch. 1,559,966; Nov. 3.
Tidal energy, Utilizing. J. O. Boving. 1,559,935; Nov. 3.
Tire buffer. H. Reichel. 1,559,588; Nov. 3.
Tire casings, Method and apparatus for building. T. Midgley. 1,559,972; Nov. 3.
Tire flap. T. A. Beaney. 1,560,498; Nov. 3.
Tire valve. H. P. Kraft, E. J. Phillips, and E. A. Darr. 1,559,887; Nov. 3.
Toaster, Automatic. A. De Matteis. 1,560,220; Nov. 3.
Toaster, Sandwich. M. Murphy. 1,559,760; Nov. 3.
Tobacco-leaf conveyer. J. Golon. 1,559 690; Nov. 3.
Toe-bending machine. B. T. Leveque. 1,559,632; Nov. 3.
Toilet flush and intake valve, Combined. C. H. Gunn. 1,559,560; Nov. 3.
Tongue cutter, Board-. W. A. Peck and J. M. Malone. 1,559,979; Nov. 3.
Tool. E. L. Slaght, jr., and W. Frost. 1,560,353; Nov. 3.
Tool, combination. C. H. Rich. 1,559,780; Nov. 3.
Tool handle, Portable-power-driven-. A. G. Decker. Des. 68,615; Nov. 3.
Tool head to its handle, Attaching a. F. H. Bellows. 1,559,543; Nov. 3.
Tool house, Burglarproof. J. F. Hagan. 1,559,957; Nov. 3.
Tool joint. S. E. Holland. 1,559,874; Nov. 3.
Tool, Pneumatic. A. Levedahl. 1,559,631; Nov. 3.
Tool receptacle or carrier. L. E. Ford. 1,559,950; Nov. 3.
Toothbrush rack, Sanitary. A. P. Ritter. 1,560,101; Nov. 3.
Tooth cleaner. W. P. Niukkanen. 1,559,584; Nov. 3.
Top support. A. Loomis. 1,560,269; Nov. 3.
Towboats, Rudder construction for, C. E. Ward. 1 559,660; Nov. 3.
Towboats, Rudder control for. C. E. Ward. 1,559,816; Nov. 3.
Toy, Figure. A. M. Hammer. 1,559,613; Nov. 3.
Toy gun. W. F. Schmidt. 1,559,789; Nov. 3.
Toy mail-bag-loading mechanism. H. S. Becker, E. Boisselier, and G. F. Schumacher. 1,560,495; Nov. 3.
Toy mail-bag-loading mechanism. H. S. Becker, E. Boisselier, and G. F. Schumacher. 1,560,499; Nov. 3.
Toy, Mechanical. L. Marx. 1,560,181; Nov. 3.
Toy, Mechanical. L. S. Gunderman. 1 560,052; Nov. 3.
Toy roadster. C. E. Florkey. Des. 68,623; Nov. 3.
Toy train, Vitreous. J. J. Brainard. Des. 68,611; Nov. 3.
Track-sanding device. W. C. Brown. 1,560,403; Nov. 3.
Traction device. J. D. Filleul. 1,560,224; Nov. 3.
Tractor. E. A. Johnston. 1,559,617. Nov. 3.
Tractor. G. C. Davison. 1,560,042–3; Nov. 3.
Tractor. R. E. Roy. 1,560,325; Nov. 3.
Tractor, T. C. Leake. 1,559,629; Nov. 3.
Tractor frame spring support. R. C. Hawkins and E. S. Hixson. 1,560,176; Nov. 3.
Tractors and certain farming implements, Wheel for. D. James and W. H. Kendell. 1,560,383–4; Nov. 3.
Tractors, Trailer for. W. I. Ballentine. 1,559,541; Nov. 3.
Tractors, Wheel center for Ford. W. A. Wadleigh. 1,560,125; Nov. 3.
Traffic-signal standard. C. A. B. Halvorson, jr. Des. 68,626; Nov. 3.
Train stop, Automatic. H. L. Tonkinson. 1,559,809; Nov. 3.
Transformation particularly for operating relay stations, Arrangement for frequency. W. Schaffer. 1,559,992; Nov. 3.
Transformer-dimming method and apparatus. H. C. Dean. 1,560,022; Nov. 3.
Transmission apparatus. M. T. Voight. 1,560,123; Nov. 3.
Transmission-control attachment. H. T. Meader. 1,559,725; Nov. 3.
Transmission, Modulated-wave. R. A. Heising. 1,560,054; Nov. 3.
Transmission or reproduction of sound, Electrical. S. G. Brown. 1,559,847; Nov. 3.
Transmission system. W. L. Casper. 1,559,850; Nov. 3.
Transmission system, Wave. E. V. Griggs. 1,559,867; Nov. 3.
Trap. F. H. Crago. 1,559,853. Nov. 3.
Traveling bag, Folding. M. E. Dempsey. 1,559,942; Nov. 3.
Tread member. J. D. Filleul. 1,560,225; Nov. 3.
Tree stand. G. Edmister. 1,559,563; Nov. 3.
Trimmer: *See*—
Lawn trimmer.
Trimming tool. G. W., H. P., and H. T. Meader. 1,559,724; Nov. 3.
Trough, Feeding and watering. W. C. Leder and J. P. Christensen. 1,560,263; Nov. 3.
Trough, Watering. H. Marquardt. 1,560,088; Nov. 3.
Trouser-pressing device. B. H. Locke. 1,559,634; Nov. 3.
Trousers, Measuring device for cuffs of. L. Dreschler. 1,560,417; Nov. 3.
Truck. C. W. West. 1,559,923; Nov. 3.
Truck. W. F. Jarnagin. 1,560,164; Nov. 3.
Truck, Locomotive. G. H. Gibson. 1,559,604; Nov. 3.
Trunking system, Secondary. J. I. Bellamy and J. E. Gardner. 1,559,736; Nov. 3.
Truss. H. Graham. 1,560,418; Nov. 3.
Tube: *See*—
Electric discharge tube. Vacuum tube.
Tube and plug, Filler. G. E. Hubbard. 1,559,704; Nov. 3.
Tube container, Collapsible-. F. E. Farnum. 1,559,565; Nov. 3.
Tungsten manufacture. C. J. Smithells. 1,559,799; Nov. 3.
Typewriter. R. E. Padman. 1,559,771; Nov. 3.
Typewriting, Device for teaching the touch system of. F. X. Curley. 1,560,020; Nov. 3.
Typewriting machine. E. E. Barney. 1,560,031; Nov. 3.
Typewriting machine. C. B. Corcoran. 1,559,677; Nov. 3.
Typewriting machine. A. G. Kupetz. 1,559,889; Nov. 3.
Typewriting machine. A. G. F. Kurowski. 1,560,249; Nov. 3.
Typewriting machine. G. A. Selb. 1,559,649; Nov. 3.
Typewriting machines, Carbon-paper-feeding device for duplicating. E. P. Keck. 1,560,060; Nov. 3.
Typographical-point counter. A. A. Egli and H. Graf. 1,560,339; Nov. 3.
Ultra-violet rays, Transmitting means for. R. G. Paddock. 1,559,770; Nov. 3.
Union suit. J. P. Brown. 1,559,845; Nov. 3.
Vacuum collector. L. A. Gambon. 1,560,347; Nov. 3.
Vacuum pump system. E. C. Richard. 1,560,190; Nov. 3.
Vacuum tube. F. S. McCullough. 1,560,183; Nov. 3.
Vacuum tube, High-. J. E. Lilienfeld. 1,559,715; Nov. 3.
Vanity box. E. F. Ruickert. 1,560,102; Nov. 3.
Vanity case or the like. A. Englander. 1,560,223; Nov. 3.
Variable resistance. A. H. Grebe. 1,560,419; Nov. 3.
Vault, Asphalt. W. E. Sheene. 1,560,106; Nov. 3.
Valve. A. O. Hirsch. 1,560,235; Nov. 3.
Valve. M. J. Trumble. 1,559,811; Nov. 3.
Valve, Combination pressure and vacuum. R. J. McAusland. 1,560,272; Nov. 3.
Valve device, Conductor's. C. C. Farmer. 1,559,947; Nov. 3.
Valve-gear-operating mechanism. R. L. Griffin. 1,560,421; Nov. 3.
Valve grinder. G. W. Fleming. 1,560,469; Nov. 3.
Valve mechanism. E. D. Dickinson and R. G. Standerwick. 1,560,416; Nov. 3.
Valve mechanism, Reversing-. J. A. Murphy. 1,560,287; Nov. 3.
Valve mounting, Detachable. T. M. Finley and A. W. Brown. 1,560,155; Nov. 3.
Valve, Relief. M. J. Trumble. 1,559,812; Nov. 3.
Valve reseater. H. H. Fingerle. 1,560,048; Nov. 3.
Valve, Safety. J. E. Wood. 1,560,457; Nov. 3.
Valves, Device for seating. J. Rummins. 1,560,486; Nov. 3.
Vehicle bodies, Resilient suspension of. F. V. Cooke. 1,559,852; Nov. 3.
Vehicle brake. E. A. Nelson. 1,559,583; Nov. 3.
Vehicle, Child's. B. E. Hervey. 1,560,423; Nov. 3.
Vehicle springs, Attachment for. T. S. Hamilton. 1,560,082; Nov. 3.
Vehicle tail lights, Advertising insert for motor-. R. Campbell. 1,560,464; Nov. 3.
Vehicle wheel. J. Gair, W. S. Williams, and E. Jones. 1,560,156; Nov. 3.



Vehicle wheel, Motor-. J. M. Meredith. 1,560,185; Nov. 3.
Vehicles, Direction indicator for. O. P. Nolsom. 1,560,482; Nov. 3.
Vehicles, Frame of power-driven. A. Seidel. 1,560,351; Nov. 3.
Vehicles, Safety wheel attachment for. K. L. Huggins. 1,559,877; Nov. 3.
Velour, Bolivia, etc., Presser for. R. Bass. Re16,194; Nov. 3.
Vending machine. E. M. Jones and S. W. Vance. 1,560,242; Nov. 3.
Ventilator, Cowl. P. N. Landine. 1,559,891; Nov. 3.
Vibrating device. H. Hurm. 1,560,253; Nov. 3.
Vibrating roller. A. J. Daane. 1,559,855; Nov. 3.
Violin-sound-post setter. C. H. Todd. 1,560,657; Nov. 3.
Voile fabric, Flocked. E. B. Vandergaw. Des. 68,677–8; Nov. 3.
Voltages, Increasing. I. J. Thorp. 1,559,656; Nov. 3.
Vulcanizing process. E. Hopkinson. 1,559,702; Nov. 3.
Wagon, Child's. J. Murvay. 1,560,288; Nov. 3.
Wagon, Tree. J. H. and G. V. Roof. 1,559,913; Nov. 3.
Waistband. W. J. Novy. 1,559,764; Nov. 3.
Wall and partition. E. E. Hall. 1,559,748; Nov. 3.
Wall form. R. M. Moss and O. B. Pulis. 1,560,298; Nov. 3.
Wall-molding apparatus. W. T. Fels. 1,560,293; Nov. 3.
Washer: *See*—
Drum washer.
Washers, Method of and apparatus for making lock. G. K. Garrett. 1,560,228; Nov. 3.
Washing machines, Operating mechanism for. W. E. Pinckney. 1,559,773; Nov. 3.
Water conservation, System of. F. Benz. 1,559,841; Nov. 3.
Water heater. P. M. Spanogle. 1,560,434; Nov. 3.
Water motor. J. D. Jones. 1,560,166; Nov. 3.
Waterproof container for personal accessories. B. Kaczorowski. 1,560,243; Nov. 3.
Water wheel, Undershot. C. P. Dennhardt. 1,560,024; Nov. 3.
Wave and tide motor. G. S. Huff. 1,560,425; Nov. 3.
Waves of constant frequency, Source of. J. W. Horton. 1,560,056; Nov. 3.
Weaner, Calf. F. Mittelstadt. 1,560,285; Nov. 3.
Weather strip. O. H. Petersen. 1,560,097; Nov. 3.
Wedding ring. E. H. Clifford and R. Schumann. Des. 68,613; Nov. 3.
Well drilling, Underreamer for hydraulic rotary. L. E. Nebergall. 1,559,761; Nov. 3.
Wells, Rotary slip for drilling oil. C. J. Bogen. 1,559,932; Nov. 3.
Wheel: *See*—
Disk wheel. Tread drive wheel.
Pin wheel. Vehicle wheel.
Steering wheel. Water wheel.
Wheel. A. Wang. 1,560,449; Nov. 3.
Wheel and punctureproof tire, Combination. S. Elliot. 1,560,222; Nov. 3.
Wheel and shaft boxing. C. B. Schneider. 1,560,327; Nov. 3.
Wheelbarrow. R. R. Roemer. 1,559,646; Nov. 3.
Wheels, Lifting device for vehicle. W. B. Clifford. 1,560,215; Nov. 3.
Wheels, Rim construction for disk. J. H. Friend. 1,560,345; Nov. 3.
Wheel tread, Auxiliary. S. P. Hickey. 1,560,233; Nov. 3.
Winding mmchine. C. D. Reynolds. 1,559,778; Nov. 3.
Window adjuster and lock. M. M. Larsen. 1,559,896; Nov. 3.
Window, Casement. C. S. Bock. 1,559,544; Nov. 3.
Window holder, Storm-. S. M. Severson. 1,559,650; Nov. 3.
Window operator, Mechanical. F. Hauser. 1,559,958; Nov. 3.
Window-regulating mechanism. A. R. Clas. 1,560,214; Nov. 3.
Wood-cutting machine. S. S. See. 1,560,105; Nov. 3.
Wood, Destructive distillation of. D. P. Shaw. 1,559,994; Nov. 3.
Wood distillation, Apparatus for. J. L. Weaver. 1,560,517; Nov. 3.
Wrapping machines, Package-delivery mechanism for. A. Kappes and A. F. R. Gerstmayr. 1,559,618; Nov. 3.
Wrecking bar. R. I. Ness. 1,559,976; Nov. 3.
Wrench and pliers, Combined extensible. L. O. Steinke. 1,559,919; Nov. 3.
Wrench cup. L. F. Jackson. 1,560,254. Nov. 3.
Wringers, Motor drive for. H. C. Law. 1,560,387; Nov. 3.
Wrinkle-removing appliance. J. P. Arnold. 1,559,732; Nov. 3.
Zinc sulphide, Manufacture of crystallized. G. de Hédouville and P. Pipereaut. 1,560,380; Nov. 3.

# CLASSIFICATION OF PATENTS

## NOVEMBER 3, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 3: 1,560,328
2— 12: 1,560,002
78: 1,559,845
115: 1,560,318
181: 1,559,917
187: 1,560,073
220: 1,560,157
226: 1,559,794
278: 1,560,283
4— 12: 1,560,386
21: 1,559,986
5— 265: 1,560,252
351: 1,559,686
356: 1,559,708
6— 13: 1,559,998
9— 15: 1,560,021
10— 73: 1,560,226
98: 1,560,462
106: 1,560,487
12— 1: 1,559,833
2: 1,559,532
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41: 1,559,651
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105: 1,559,637
127: 1,560,360
142: 1,559,843
147: 1,559,571
15— 3: 1,560,400
46: 1,559,598
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104.16: 1,560,275
16— 42: 1,559,545
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17: 1,559,884
45: 1,560,463
45.5: 1,560,450
51: 1,559,791
53: 1,559,702
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1,560,465
1,560,486
20—1.123: 1,559,739
16: 1,559,967
35: 1,559,983
49: 1,559,539
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60: 1,560,097
22— 65: 1,559,779
82: 1,560,241
141: 1,560,036
23— 4: 1,559,980
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156: 1,559,652
29— 85: 1,559,885
155.5: 1,559,668
30— 3: 1,560,067
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179: 1,559,946
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19.5: 1,559,608
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102: 1,559,905
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131: 1,560,484
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146: 1,559,859
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90: 1,560,149
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47— 47: 1,560,404
48— 73: 1,560,337
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56— 419: 1,560,262
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61— 1: 1,559,841
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63: 1,559,989
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154— 2: R. 16,201
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 155— | XI: | 1,560,422 | 179— | 20: | 1,560,245 | 200— | 35: | 1,560,127 | 221— | 47.3: | 1,559,894 | 250— | 17: | 1,560,431 | 273— | 98: | 1,560,302 |
| | 134: | 1,560,279 | | 27: | 1,559,659 | | 50: | 1,559,580 | | 50: | 1,560,340 | | 20: | 1,560,206 | | 119: | 1,560,496 |
| | 177: | 1,560,065 | | 84: | 1,560,284 | | 56: | 1,559,663 | | 60: | 1,559,565 | | 31: | 1,559,723 | | 134: | 1,559,954 |
| 156— | 22: | 1,559,991 | | 100.1: | R. 16,197 | | 59: | 1,560,412 | | 106: | 1,560,013 | | 35: | 1,559,714 | | 150: | 1,559,678 |
| | 23: | 1,560,413 | | | 1,559,679 | | 84: | 1,560,318 | | | 1,560,194 | | | 1,559,715 | | 152: | 1,559,813 |
| | 24: | 1,559,895 | | 115: | 1,560,502 | | 90: | 1,560,440 | | 108: | 1,559,905 | | 36: | 1,559,778 | 274— | 23: | 1,560,231 |
| | | 1,559,902 | | 117: | 1,559,597 | | 111: | 1,559,738 | | 130: | 1,560,313 | | | 1,559,869 | | 35: | 1,559,993 |
| | | 1,560,096 | | 119: | 1,559,777 | | 112: | 1,560,118 | 222— | 17: | 1,560,415 | | 38: | 1,560,390 | | | 1,560,253 |
| | | 1,560,199 | | 120: | 1,559,596 | | 122: | 1,560,119 | | 19: | 1,559,634 | | 40: | 1,559,802 | 276— | 11: | 1,560,339 |
| | 27: | 1,560,402 | | 122: | 1,559,847 | | 132: | 1,559,890 | | 26: | 1,559,636 | | 41: | 1,559,974 | 277— | 18: | 1,559,706 |
| | 33: | 1,559,990 | | 171: | 1,559,656 | | 155: | 1,559,888 | | 31: | 1,559,691 | 251— | 54: | 1,559,811 | | 60: | 1,560,272 |
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| | 28: | 1,559,559 | | | 1,560,054 | | 166: | 1,560,308 | 226— | 11: | 1,559,943 | | 152: | 1,560,298 | | 33.44: | 1,559,541 |
| | 32: | 1,560,016 | | | 1,560,183 | | 170: | 1,560,165 | | 87: | 1,560,059 | 252— | 5: | 1,559,984 | | 36: | 1,559,988 |
| | 36: | 1,560,190 | | | 1,560,292 | 201— | 55: | 1,560,177 | | 93: | 1,560,050 | 254— | 8: | 1,559,923 | | 52: | 1,559,646 |
| | 50.1: | 1,559,741 | | | 1,560,332 | | | 1,560,405 | 227— | 7: | 1,560,128 | | 16: | 1,560,369 | | 61: | 1,560,164 |
| | 53: | 1,559,939 | | | 1,560,505 | | | 1,560,419 | 228— | 47: | 1,559,842 | | 25: | 1,559,976 | | 112: | 1,560,176 |
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| | 78: | 1,559,695 | | 188: | 1,559,581 | 203— | 6: | 1,559,994 | | 92.7 | 1,559,631 | | 102: | 1,559,667 | | 155: | 1,560,383 |
| | 86: | 1,559,906 | 180— | 1: | 1,560,043 | | | 1,560,420 | 230— | 15: | 1,559,935 | | 104: | 1,559,575 | | | 1,560,384 |
| | 104: | 1,560,248 | | 8: | 1,560,325 | | | 1,560,517 | | 24: | 1,560,041 | | 133: | 1,559,910 | 281— | 25: | 1,559,762 |
| 162— | 8: | 1,560,142 | | 9.1: | 1,559,629 | 204— | 5: | 1,560,250 | | 32: | 1,560,425 | | 140: | 1,559,690 | | | 1,559,821 |
| 164— | 28: | 1,560,518 | | 17: | 1,560,098 | | 6: | 1,560,017 | 234— | 1: | 1,560,046 | | 161: | 1,559,574 | 282— | 15: | 1,560,195 |
| | 42: | 1,559,871 | | 20: | 1,559,542 | | 11: | 1,560,032 | | 84: | 1,560,289 | | 173: | 1,560,057 | | 16: | 1,560,476 |
| | 49: | 1,559,873 | | 26: | 1,560,042 | 206— | 16: | 1,559,950 | 235— | 27: | 1,560,381 | | 185: | 1,559,692 | | 21: | 1,560,474 |
| | | 1,560,452 | | 54: | 1,559,617 | | 20: | 1,560,003 | | 102: | 1,559,889 | | 195: | 1,559,768 | | | 1,560,475 |
| | 70: | 1,559,680 | | 57: | 1,560,351 | | 38: | 1,560,243 | 236— | 18: | 1,560,196 | 256— | 23: | 1,560,234 | 283— | 1: | 1,559,719 |
| | 73: | 1,559,724 | 183— | 2.6: | 1,560,286 | | 50: | 1,559,754 | 237— | 78: | 1,560,227 | | 26: | 1,560,129 | | 7: | 1,560,047 |
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| 166— | 4: | 1,559,662 | | 24: | 1,560,333 | 208— | 113: | 1,560,423 | | 77: | 1,560,069 | | 72: | 1,560,490 | 285— | 20: | 1,559,949 |
| | 19: | 1,559,635 | | 36: | 1,559,904 | | 181: | 1,560,014 | | 107: | 1,560,500 | | 76: | 1,559,761 | | 146: | 1,559,874 |
| 167— | 6: | 1,559,892 | | 119: | 1,560,202 | 210— | 103: | 1,560,266 | | 325: | 1,559,560 | | | 1,560,019 | | 195: | 1,559,861 |
| | | 1,559,961 | 184— | 7: | 1,560,391 | | 159: | 1,560,471 | | 330: | 1,559,589 | 256— | 11: | 1,559,734 | 287— | 52: | 1,560,390 |
| | 7: | 1,559,899 | | 38: | 1,560,299 | 211— | 7: | 1,560,255 | | 344: | 1,559,767 | 257— | 135: | 1,559,767 | | 111: | 1,559,546 |
| | 9: | 1,559,722 | | 84: | 1,560,338 | | 14: | 1,560,007 | 240— | 41: | 1,559,689 | | 154: | 1,559,602 | 290— | 15: | 1,559,945 |
| 169— | 32: | 1,559,721 | 185— | 27: | 1,560,306 | | | 1,560,101 | | | 1,559,930 | | 240: | 1,559,998 | 291— | 19: | 1,560,403 |
| 170— | 107: | 1,560,166 | 186— | 1: | R. 16,195 | | 16: | 1,559,647 | | | 1,560,153 | | 244: | 1,560,271 | | 20: | 1,560,256 |
| | 129: | 1,560,309 | 187— | 52: | 1,560,055 | | 21: | 1,559,705 | | 44: | 1,559,929 | 258— | 7: | 1,560,495 | 292— | 143: | 1,559,828 |
| | 151: | 1,560,026 | 188— | 88: | 1,560,477 | | 27: | 1,559,878 | | 45: | 1,559,838 | | | 1,560,499 | | 175: | 1,559,898 |
| | 163: | 1,560,173 | | 106: | 1,560,037 | | | 1,560,122 | | 48: | 1,560,376 | | 22: | 1,559,808 | | 198: | 1,560,429 |
| 171— | 95: | 1,560,459 | | 167: | 1,559,796 | | | 1,560,436 | | 48.4: | 1,560,408 | 259— | 98: | 1,559,914 | | 202: | 1,559,735 |
| | 229: | 1,560,395 | | 264: | 1,559,583 | | 28: | 1,559,964 | | 61: | 1,560,039 | | 144: | 1,559,915 | | 218: | 1,560,330 |
| 172— | 36: | 1,560,035 | 189— | 69: | 1,559,544 | | | 1,560,009 | | | 1,560,458 | | | 1,559,916 | | 253: | 1,559,650 |
| | 120: | 1,559,920 | | 90: | 1,560,451 | | 31: | 1,559,663 | | 62: | 1,559,611 | 260— | 11: | 1,559,600 | 293— | 55: | 1,559,607 |
| | 179: | 1,559,700 | 190— | 49: | 1,559,942 | 212— | 7: | 1,559,856 | | 66: | 1,559,669 | | 108: | 1,560,297 | | | 1,560,040 |
| | | 1,559,814 | 192— | 18: | 1,560,123 | | 38: | 1,559,880 | | 123: | 1,560,197 | | 142: | 1,560,426 | 294— | 75: | 1,559,949 |
| | | 1,559,832 | | 51: | 1,559,944 | | 59: | 1,560,194 | 241— | 12: | 1,559,587 | | | 1,560,427 | | 82: | 1,559,713 |
| | | 1,560,216 | | 58: | 1,560,356 | | 65: | 1,560,071 | | 19: | 1,560,130 | 261— | 69: | 1,559,756 | | 83: | 1,559,849 |
| | | 1,560,382 | | 105: | 1,560,267 | 213— | 12: | 1,560,008 | 242— | 18: | 1,559,778 | 262— | 3: | 1,559,934 | | 92: | 1,560,411 |
| | 239: | 1,559,567 | 193— | 12: | 1,560,466 | | 23: | 1,559,540 | | 57: | 1,560,167 | | 19: | 1,559,742 | | 96: | 1,560,011 |
| | 279: | 1,560,344 | 194— | 2: | 1,560,242 | | 170: | 1,560,363 | | 68: | 1,560,192 | 263— | 36: | 1,560,259 | 296— | 1: | 1,559,881 |
| 173— | 259: | 1,559,683 | | 69: | 1,560,018 | | | 1,560,364 | | 84.7: | 1,559,927 | 264— | 1: | 1,559,793 | | 28: | 1,559,614 |
| | 263: | 1,560,316 | | 74: | 1,560,146 | 214— | 1.1: | 1,560,028 | | 118: | 1,560,120 | | 17: | 1,559,872 | | 44: | 1,559,752 |
| | 343: | 1,560,198 | 196— | 8: | 1,560,137 | | 3: | 1,559,913 | | 124: | 1,559,553 | 265— | 69: | 1,559,573 | | 132: | 1,560,269 |
| | 344: | 1,559,684 | | | 1,560,138 | | 6: | 1,560,113 | 243— | 16: | 1,560,208 | | | 1,559,755 | | 143: | 1,559,940 |
| 174— | 89: | 1,559,769 | | 19: | 1,559,981 | | 23: | 1,560,070 | | | 1,560,479 | 267— | 36: | 1,559,852 | 299— | 18: | 1,559,655 |
| | 177: | 1,559,746 | | 20: | 1,559,982 | | 26: | 1,559,591 | | | 1,560,480 | | 46: | 1,560,200 | | 89: | 1,559,843 |
| | | 1,559,770 | | 85: | 1,559,701 | | | 1,560,393 | 244— | 2: | 1,559,912 | | 49: | 1,560,082 | | 142: | 1,559,718 |
| 175— | 30: | 1,559,857 | 197— | 6: | 1,560,209 | | 41: | 1,560,109 | | 3: | 1,559,807 | | 54: | 1,559,798 | 301— | 39: | 1,560,233 |
| | 183: | 1,560,278 | | 27: | 1,559,649 | | 52: | 1,559,903 | | 12: | 1,559,806 | | | 1,560,115 | | 41: | 1,560,125 |
| | 312: | 1,560,022 | | 82: | 1,560,031 | | 58: | 1,560,108 | | 21: | 1,560,366 | | 66: | 1,559,661 | | 63: | 1,559,538 |
| | 356: | 1,559,850 | | 134: | 1,560,060 | | 87: | 1,559,862 | | 29: | 1,560,341 | | | 1,559,995 | | 80: | 1,559,673 |
| | | 1,559,858 | | 180: | 1,559,771 | | 125: | 1,560,230 | 246— | 34: | 1,559,989 | | | 1,560,051 | | 112: | 1,560,327 |
| | 359: | 1,560,178 | | 186: | 1,559,677 | | 138: | 1,560,147 | | 128: | 1,560,085 | 268— | 4: | 1,560,214 | 302— | 14: | 1,560,361 |
| 176— | 14: | 1,560,103 | | | 1,560,249 | 215— | 63: | 1,559,922 | | 171: | 1,559,809 | | 14: | 1,559,896 | | 53: | 1,559,810 |
| | 40: | 1,560,265 | 198— | 2: | 1,560,430 | | 100: | 1,559,687 | | 293: | 1,559,876 | | 17: | 1,559,891 | 303— | 22: | 1,560,371 |
| | 132: | 1,559,799 | | 15: | 1,560,203 | 217— | 60: | 1,560,388 | | | 1,559,977 | | 19: | 1,559,958 | | 51: | 1,559,947 |
| 177— | 324: | 1,560,319 | | | 1,560,204 | 219— | 8: | 1,559,875 | | 294: | 1,559,933 | 271— | 21: | 1,560,549 | 305— | 3: | 1,560,224 |
| | 327: | 1,559,627 | | 21: | 1,559,615 | | | 1,559,901 | | 441: | 1,560,244 | | 44: | 1,559,707 | | 6: | 1,559,973 |
| 178— | 44: | 1,559,638 | | 24: | 1,560,374 | | 13: | 1,560,294 | 248— | 22: | 1,559,783 | | 53: | 1,560,171 | | 10: | 1,560,225 |
| | | 1,559,864 | | 25: | 1,559,618 | | 19: | 1,559,760 | | 38: | 1,559,563 | | 62: | 1,560,470 | 308— | 4: | 1,560,468 |
| | 66: | 1,559,641 | | 33: | 1,559,598 | | 32: | 1,559,745 | | 41: | 1,560,358 | | 86: | 1,560,015 | | 121: | 1,559,879 |
| | | 1,559,642 | | 182: | 1,559,772 | | 39: | 1,560,377 | | 43: | 1,559,716 | 273— | 33: | 1,560,453 | | 195: | 1,559,830 |
| 179— | 4: | 1,559,753 | | 221: | 1,560,373 | 220— | 1: | 1,559,624 | | 58: | 1,559,792 | | 68: | 1,559,569 | | 214: | 1,559,670 |
| | 5: | 1,559,955 | 200— | 8: | 1,560,378 | | 9: | 1,560,375 | | 65: | 1,559,740 | | | 1,560,456 | | | |
| | 6: | 1,560,226 | | 14: | 1,559,788 | | 19: | 1,559,695 | 250— | 1: | 1,560,056 | | 73: | 1,559,986 | | | |
| | 15: | 1,559,865 | | 19: | 1,560,247 | | 24: | 1,559,704 | | 8: | 1,559,743 | | 86: | 1,560,277 | | | |
| | | 1,559,867 | | 21: | 1,560,246 | | 42: | 1,560,100 | | 15: | 1,559,992 | | 90: | 1,559,953 | | | |
| | 18: | 1,559,736 | | 27: | 1,559,995 | | 55: | 1,560,489 | | 16: | 1,560,310 | | | 1,560,026 | | | |

# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abbott Laboratories, Chicago, Ill. Germicide or antiseptic. 205,507; Nov. 10; Serial No. 205,188; published Aug. 11, 1925.

Abrahams, Isidor D., doing business as Culver Tailoring Co., Cincinnati, Ohio. Boys' outer suits. 205,661; Nov. 10; Serial No. 207,841; published Sept. 1, 1925.

Adams Morgan Company, Inc., Upper Montclair, N. J. Radio receiving sets and parts thereof. 205,561; Nov. 10; Serial No. 206,711; published Mar. 10, 1925.

Age, G. J., & Co., Muscatine, Iowa. Storage-battery solution. 205,516; Nov. 10; Serial No. 213,945; published Aug. 18, 1925.

Air-Ola Radio Co., Huntington, W. Va. Radio receiving sets. 205,569; Nov. 10; Serial No. 215,327; published Aug. 25, 1925.

Albers Packing Company, Riverside, Calif. Olives, figs, etc. 205,677; Nov. 10.

Alexander, Edward C., San Francisco, Calif. Remedy for the treatment of obesity. 205,648; Nov. 10; Serial No. 206,388; published Aug. 25, 1925.

Alexander Molasses Company, Cincinnati, Ohio. Molasses, table sirup, and sorghum. 205,636; Nov. 10; Serial No. 215,038; published Aug. 25, 1925.

Allan, H. L., doing business as The Sleekbac Company, Atlanta, Ga. Hairdressing. 205,671; Nov. 10; Serial No. 213,273; published Aug. 25, 1925.

Alyear Silks, Inc., Rome, N. Y. Lingerie and brassières. 205,462; Nov. 10, 1925; Serial No. 216,133; published Aug. 25, 1925.

American Fire Equipment Co., Boston, Mass. Electric searchlights. 205,469; Nov. 10; Serial No. 216,865; published Aug. 25, 1925.

American Interstate Radio Service, New York, N. Y. Radio sets and apparatus. 205,560; Nov. 10; Serial No. 206,760; published Apr. 7, 1925.

American Katalite Corporation, New York and Brooklyn, N. Y. Chemical solution applied or designed to be applied to internal-combustion engines as a detonation counteractant. 205,501; Nov. 10; Serial No. 215,422; published Aug. 25, 1925.

American Washboard Company, The, Cleveland, Ohio, assignor to National Washboard Company, Chicago, Ill. Washboards. 47,296; renewed Oct. 31, 1925.

American Washboard Company, The, Cleveland, Ohio, assignor to National Washboard Company, Chicago, Ill. Washboards. 47,301; renewed Oct. 31, 1925.

Arden, Elizabeth. (See Lewis, Florence N.)

Atlanta Barbers Supply Company, Atlanta, Ga. Hair tonic. 205,447; Nov. 10; Serial No. 216,577; published Aug. 18, 1925.

Babbitt Co., Inc., The, Philadelphia, Pa. Perfume, toilet water, cold cream, etc. 205,439; Nov. 10; Serial No. 214,639; published Aug. 4, 1925.

Bakelite Corporation, New York, N. Y. Candlesticks, lamp stands, porthole lights, etc. 205,608; Nov. 10; Serial No. 216,815; published Aug. 25, 1925.

Barber Asphalt Company, The, Philadelphia, Pa. Building paper. 205,639; Nov. 10; Serial No. 214,049; published Aug. 25, 1925.

Barnängens Teckn. Fabrikers A. B., Stockholm, Sweden. Eau de cologne, perfumery, etc. 205,502; Nov. 10; Serial No. 172,721; published Aug. 11, 1925.

Bates, A. J., Company, Webster, Mass. Shoes and slippers. 205,460; Nov. 10; Serial No. 148,704; published Jan. 24, 1922.

Bauer, J. A., Pottery Co., Inc., Los Angeles, Calif. Plastic modeling materials. 205,619; Nov. 10; Serial No. 213,683; published Aug. 25, 1925.

Bauer Mfg. Co., San Francisco, Calif. Hairdressing. 205,452; Nov. 10; Serial No. 216,496; published Aug. 18, 1925.

Baxter, Hartley C., Brunswick, Me. Canned corn, beans, and succotash. 45,882; renewed Aug. 29, 1925.

Baxter, Hartley C., Brunswick, Me. Canned fruits and vegetables. 46,546; renewed Sept. 26, 1925.

Bendix Brake Company, Chicago, Ill. Brakes and parts thereof and operating connections therefor. 205,509; Nov. 10; Serial No. 216,709; published Aug. 25, 1925.

Bens Toilet Products, Inc., Syracuse, N. Y. Petroleum jelly and catarrhal jelly. 205,496; Nov. 10; Serial No. 216,138; published Aug. 25, 1925.

Bernstein, Gertrude, doing business as Williamsburg Barber Supply Co., Brooklyn, N. Y. Preparations for treating the hair. 205,533; Nov. 10; Serial No. 215,844; published Aug. 11, 1925.

Billboard Publishing Company, The, Cincinnati, Ohio. Weekly newspaper. 49,228; renewed Jan. 30, 1926.

Black & Decker Manufacturing Co., The, Towson Heights, Md. Portable electric drills and parts thereof, electric valve grinders, etc. 205,575–6; Nov. 10; Serial Nos. 215,548–9; published Aug. 4, 1925.

Boss Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y. Gloves. 205,480; Nov. 10; Serial No. 194,521; published Nov. 11, 1924.

Boss Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y. Gloves. 205,481; Nov. 10; Serial No. 194,518; published Nov. 11, 1924.

Bovinine Company, The, New York, N. Y. Beef juice. 48,863; renewed Jan. 16, 1926.

Braun, Egon, Hamburg, Germany. Herb extracts for medicinal beverages, etc. 205,666; Nov. 10; Serial No. 210,221; published Aug. 18, 1925.

Brooklyn Alcohol Corporation, Brooklyn, N. Y. Denatured alcohol. 205,673; Nov. 10.

Bryant Electric Company, The, Bridgeport, Conn. Flush electric switches. 205,570; Nov. 10; Serial No. 215,503; published Aug. 25, 1925.

C-T Radio Corporation, New York, N. Y. Three-element vacuum radiotubes. 205,472; Nov. 10; Serial No. 217,206; published Aug. 25, 1925.

Carpenter's Antiratum Company, Washington, D. C. Preparation for exterminating rats. 205,519; Nov. 10; Serial No. 215,551; published Aug. 11, 1925.

Champion Chemical Works, Inc., Chicago, Ill. Lye and potash. 45,040; renewed Aug. 1, 1925.

Champion Chemical Works, Inc., Chicago, Ill. Powdered lye. 45,041; renewed Aug. 1, 1925.

Chapin-Stephens Co., The, Pine Meadow, Conn. Flexible folding rules. 44,899; renewed July 25, 1925.

Charcoal Iron Products Company, Washington, Pa. Sheet metal and tin plate. 205,472; Nov. 10; Serial No. 172,030; published Aug. 18, 1925.

Chicago Bargain House, Chicago, Ill. Hats for women. 205,479; Nov. 10; Serial No. 197,256; published Nov. 25, 1924.

Chicago Tubing & Braiding Co., Chicago, Ill. Flexible tubing. 49,516; renewed Feb. 6, 1926.

Citizens' Wholesale Supply Co., The, Columbus, Ohio. Flavoring extracts. 45,270; renewed Dec. 19, 1925.

City Ice Delivery Co., The; The City Ice & Fuel Company, Cleveland, Ohio, successor. Water. 46,368; renewed Sept. 12, 1925.

City Stores Company, New York, N. Y. Dresses. 205,657; Nov. 10; Serial No. 202,382; published Sept. 1, 1925.

Cleveland Retail Grocers Association, The, Cleveland, Ohio. Coffee and butter. 205,651; Nov. 10; Serial No. 197,361; published Aug. 25, 1925.

Clinton Corn Syrup Refining Company, Clinton, Iowa. Textile starch. 205,539; Nov. 10; Serial No. 215,770; published Aug. 11, 1925.

Coal River Collieries, Huntington, W. Va. Coal. 205,610; Nov. 10; Serial No. 216,712; published Aug. 25, 1925.

Coldwell Lawn Mower Co., Newburgh, N. Y. Lawn mowers and their component parts. 46,306–7; renewed Sept. 12, 1925.

Colorado Milling & Elevator Co., The. (See Hungarian Milling & Elevator Company, The.)

Coopers Creek Chemical Company, West Conshohocken, Pa. Insecticides. 205,451; Nov. 10; Serial No. 216,508; published Aug. 18, 1925.

Copeland & Company, Estelline, Tex. Effective analgesic for local treatment in influenza, bronchitis, etc. 205,617; Nov. 10; Serial No. 213,616; published Aug. 18, 1925.

Crawford-Reitmann Mill Co. (See Galesville Milling Company.)

Craxit Chemical Co. (See Hill, Walter H.)

Crosley Radio Corporation, The, Cincinnati, Ohio. Radio loud speakers. 205,433; Nov. 10; Serial No. 214,015; published Aug. 25, 1925.

Culver Tailoring Co. (See Abrahams, Isidor D.)

Daly, James M., Lynn, Mass. Boots, shoes, and slippers. 205,453; Nov. 10; Serial No. 193,760; published Oct. 7, 1924.

Davis-Johnson Co., The, Chicago, Ill. Medicinal compound. 205,454; Nov. 10; Serial No. 186,951; published Dec. 16, 1924.

Davis-Johnson Co., The, Chicago, Ill. Medicinal compound. 205,455; Nov. 10; Serial No. 186,949; published Dec. 30, 1924.

Day, Benjamin, assignor, to Ben Day, Inc., New York, N. Y. Printing films. 47,145; renewed Oct. 31, 1925.

Deane, Dr. A. W., Los Angeles, Calif. Beverage. 205,684; Nov. 10.

De Long Hook & Eye Company, The, assignor to The De Long Hook & Eye Company, Philadelphia, Pa. Hooks and eyes. 47,393; renewed Oct. 31, 1925.

De Long Hook & Eye Company, The, assignor to The De Long Hook & Eye Company, Philadelphia, Pa. Hooks and eyes. 47,756; renewed Nov. 21, 1925.

De Witt, E. C., & Co. (See Pineule Medicine Co., assignor.)

Drug Products Co. Inc., The, Long Island City, N. Y. Suppositories used in the treatment of diabetes. 205,485; Nov. 10; Serial No. 217,140; published Aug. 25, 1925.

Drug Products Co. Inc., The, Long Island City, N. Y. Camphor, aseptic, nitroglycerin, etc. 205,645; Nov. 10; Serial No. 208,514; published Aug. 25, 1925.
Dual Ryter Co. (See Micucci, Nicholas.)
Dueber-Hampden Watch Company, The. (See Hampden Watch Co., assignor.)
Duff Manufacturing Company, The, Allegheny, Pa.; The Duff Manufacturing Company, Pittsburgh, Pa. Jacks. 48,949; renewed Jan. 16, 1926.
Dunstan, Eugene W.: The E. W. Dunstan Co., New York, N. Y., successor. Candies and chocolates. 46,256; renewed Sept. 12, 1925.
Edwards, O. G., doing business as Southside Pharmacy, Spring Hope, N. C. Pharmaceutical preparation (a remedy for dogs with running fits). 205,612; Nov. 10; Serial No. 217,141; published Aug. 25, 1925.
Elcaya Company, Inc., The, Long Island City, N. Y. Face powders, face creams, rouges, etc. 205,531; Nov. 10; Serial No. 216,165; published Aug. 18, 1925.
Electrical Research Laboratories, Inc., Chicago, Ill. Radio receiving sets, transformers, dials, etc. 205,554; Nov. 10; Serial No. 210,372; published May 26, 1925.
Eli Lilly & Company, The, assignor to Eli Lilly and Company, Indianapolis, Ind. Preparation for disguising the bitter or disagreeable taste of medicines. 46,486; renewed Sept. 19, 1925.
Emery, Albert T., Kansas City, Mo. Mineral substance employed in the treatment of rheumatism, malaria, etc. 205,498; Nov. 10; Serial No. 216,092; published Aug. 25, 1925.
Emery Brothers, Inc., Melrose, Mass. Preparation to destroy the carbon formed in internal-combustion engines. 205,538; Nov. 10; Serial No. 215,779; published Aug. 11, 1925.
Energine Company, The; The Energine Refining & Manufacturing Company, Cleveland, Ohio, successor. Liquid hydrocarbon fuels for automobiles. 46,575; renewed Sept. 26, 1925.
Engel, Jos., Co., New York, N. Y. Ladies' and misses' coats, suits, dresses, and sweaters. 205,631; Nov. 10; Serial No. 214,951; published Aug. 11, 1925.
Eureka Sales Company, Indianapolis, Ind. Electric vacuum cleaners. 205,471; Nov. 10; Serial No. 216,969; published Aug. 25, 1925.
Eureka Specialty Co. (See Mayers, Hersberg, Corporation.)
Fair Dry Goods Company, The, Eagle Pass, Tex. Shoes. 205,477; Nov. 10; Serial No. 198,128; published Aug. 25, 1925.
Fairbanks Co., The, New York, N. Y. Steam and water valves. 49,354; renewed Jan. 30, 1926.
Fairbanks, E. and T., and Company, St. Johnsbury, Vt. Weighing machines and parts thereof. 48,454; renewed Jan. 2, 1926.
Fairfax Laboratories. (See McMullin, James F.)
Favorite Fur Dyeing and Dressing Co., Inc., Brooklyn, N. Y. Raw furs. 205,437; Nov. 10, 1925; Serial No. 214,540; published Aug. 4, 1925.
Federal Manufacturing Company, The, assignor to L. R. Yeager, Columbus, Ohio. Electrically-operated tilting reflectors for light devices. 205,503; Nov. 10; Serial No. 185,453; published Aug. 25, 1925.
Fett and Kimmel Co., The, Bluffton, Ohio. Variable condensers for radio apparatus. 205,581; Nov. 10; Serial No. 215,740; published Aug. 25, 1925.
Fibre Development Company, Whitinsville, Mass. Ramie fiber. 205,499; Nov. 10; Serial No. 215,560; published Aug. 25, 1925.
Fibre Development Company, Whitinsville, Mass. Jute fiber. 205,593; Nov. 10; Serial No. 215,564; published Aug. 25, 1925.
Fibre Development Company, Whitinsville, Mass. Hemp fiber. 205,594; Nov. 10; Serial No. 215,563; published Aug. 25, 1925.
Fibre Development Company, Whitinsville, Mass. Coconut-tree-bark fiber. 205,595; Nov. 10; Serial No. 215,562; published Aug. 25, 1925.
Fibre Development Company, Whitinsville, Mass. Flax fiber. 205,596; Nov. 10; Serial No. 215,561; published Aug. 25, 1925.
Flint, Eaton & Company, Decatur, Ill. Hæmostatic. 205,510; Nov. 10; Serial No. 208,131; published Aug. 4, 1925.
Flomart, Inc., Santa Cruz, Calif. Candied fruit. 205,641; Nov. 10; Serial No. 211,259; published Aug. 25, 1925.
Franco Corset Company, Inc., New York, N. Y. Corsets and brassières. 205,585; Nov. 10; Serial No. 215,908; published Aug. 18, 1925.
Franklin Simon & Co., Inc., New York, N. Y. Perfumes and hygienic products. 205,550; Nov. 10; Serial No. 211,673; published Aug. 4, 1925.
Franklin Simon & Co., Inc., New York. Filled compact cases, refills for compact cases, cologne, etc. 205,618; Nov. 10; Serial No. 213,632; published Aug. 11, 1925.
Franklin Simon & Co., Inc., New York, N. Y. Filled compact cases, powder sachet, cologne, etc. 205,667; Nov. 10; Serial No. 212,430; published Aug. 11, 1925.
Frozen Lolly Co. (See Zuckerman, Lillye G.)
Fruhauf Bros. & Co., New York, N. Y. Men's suits and overcoat, topcoats, sack coats, etc. 205,512; Nov. 10; Serial No. 211,162; published Aug. 25, 1925.
Fuller, W. P., & Co., San Francisco, Calif. Wood preservatives (a liquid chemical). 205,621; Nov. 10; Serial No. 214,071; published Aug. 25, 1925.
Fullerton Electric Co. Inc., New York, N. Y. Inclosed electric-light units. 205,556; Nov. 10; Serial No. 210,055; published June 9, 1925.
Gale, Benjamin T., doing business as Coloratone Gray Hair Restorer Co., St. Paul, Minn. Gray-hair color restorer. 205,611; Nov. 10; Serial No. 217,145; published Aug. 25, 1925.
Galesville Milling Company, The; Crawford-Reitmann Mill Co., Galesville, Wis., successor. Flour. 45,562; renewed Aug. 22, 1925.
Garner, Emily, New York, N. Y. Hair tonic. 205,627; Nov. 10; Serial No. 214,791; published Aug. 18, 1925.
Gaubas, John, doing usiness as Lithuanian Products Co., Chicago, Ill. Malt extract for food purposes. 205,607; Nov. 10; Serial No. 217,022; published Aug. 25, 1925.
Gem City Stove Co., The, Dayton, Ohio. Stoves and ranges. 49,356; renewed Jan. 30, 1926.
Gill Brothers Company, Steubenville, Ohio. Lamp chimneys. 45,484; renewed Aug. 22, 1925.
Gill Brothers Company, Steubenville, Ohio. Glass chimneys, lantern globes, and reflectors. 45,624–5; renewed Aug. 22, 1925.
Gill Brothers Company, Steubenville, Ohio. Glass chimneys, lantern globes, and reflectors. 45,627; renewed Aug. 22, 1925.
Glidden Varnish Company, The, assignor to The Glidden Company, Cleveland, Ohio. Varnish stains. 48,401; renewed Dec. 26, 1925.
Goldie Shoe Co., Los Angeles, Calif. Boots and shoes. 205,567; Nov. 10; Serial No. 215,065; published Aug. 18, 1925.
Goldman, Harry, doing business as Smile Remedy Company, St. Louis, Mo. Salve for boils. 205,690; Nov. 10.
Gorodess, Edward, doing business as The Gray Chemical Company, New York, N. Y. Vaginal suppositories. 205,449; Nov. 10; Serial No. 216,532; published Aug. 18, 1925.
Gorodess, Edward, doing business as The Gray Chemical Company, New York, N. Y. Laxatives. 205,450; Nov. 10; Serial No. 216,531; published Aug. 18, 1925.
Gotham Silk Hosiery Co. Inc., New York, N. Y. Shaped heel insert. 205,543; Nov. 10; Serial No. 212,605; published Aug. 18, 1925.
Goyer Company, The, Greenville, Miss. Injection for gonorrhea and gleet, cholera and diarrhea preparation, white-pine cough sirup, etc. 205,655; Nov. 10; Serial No. 194,995; published Aug. 25, 1925.
Grant, W. T., & Co., Louisville, Ky., assignor to The Tobacco Rehandling Co., Ltd., Liverpool, England, and Louisville, Ky. Leaf tobacco. 44,970; renewed Aug. 1, 1925.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Amplifier and detector radiotubes. 205,568; Nov. 10; Serial No. 215,248; published Aug. 18, 1925.
Gray Chemical Co., The. (See Gorodess, Edward.)
Greist Manufacturing Company, The, New Haven, Conn. Portable electric lamps. 205,468; Nov. 10; Serial No. 216,830; published Aug. 25, 1925.
Guenther Publishing Company, New York, N. Y. Weekly magazine. 205,632; Nov. 10; Serial No. 215,149; published July 28, 1925.
Gunnerson Shoe Co., Los Angeles, Calif. Shoes. 205,577; Nov. 10; Serial No. 215,567; published Aug. 25, 1925.
Hagerstown Shoe & Legging Co., Hagerstown, Md. Children's shoes. 205,584; Nov. 10; Serial No. 215,786; published Aug. 18, 1925.
Hall, Ernest W.; Ernest B. Hall, doing business as Ernest W. Hall, St. Louis, Mo., successor. Remedy for kidney, bladder, and rheumatic troubles. 46,644; renewed Sept. 26, 1925.
Hamill, S., Company, Keokuk, Iowa. Wheat flour. 49,350; renewed Jan. 30, 1926.
Hamilton, Brown Shoe Company, St. Louis, Mo. Men's, women's, boys', and girls' leather and fabric shoes. 205,458; Nov. 10; Serial No. 176,988; published Aug. 18, 1925.
Hamilton Brown Shoe Company, St. Louis, Mo. Men's and boys' leather and fabric shoes. 205,553; Nov. 10; Serial No. 176,972; published Aug. 18, 1925.
Hampden Watch Co., The, assignor to The Dueber-Hampden Watch Company, Canton, Ohio. Watches and watch parts. 45,399; renewed Aug. 15, 1925.
Hance Brothers & White Incorporated, Philadelphia, Pa. Preparation for sore throat, coughs and colds in the throat, hoarseness, etc. 205,622; Nov. 10; Serial No. 214,074; published Aug. 18, 1925.
Hansen, O. C., Manufacturing Co., Milwaukee, Wis. Men's gloves. 205,565; Nov. 10; Serial No. 211,469; published Aug. 18, 1925.
Harber, Edward N., Fort Wayne, Ind. Medicinal preparations for coughs, colds, etc. 205,683; Nov. 10.
Harlo, Osee, Detroit, Mich. Preparation for the treatment of the hair. 205,486; Nov. 10. Serial No. 217,093; published Aug. 25, 1925.
Harrison Smith Company, Oklahoma City, Okla. Storage-battery plates and parts thereof. 205,549; Nov. 10; Serial No. 211,745; published Aug. 25, 1925.



Hayunga's Pharmacy and Dundas Drug Company, New York, N. Y. Pills, jelly for treatment of catarrh, vermin eradicator, etc. 205,547; Nov. 10; Serial No. 212,000; published Aug. 4, 1925.
Heddon's, James, Sons, Dowagiac, Mich. Golf clubs. 205,678; Nov. 10.
Heil, Henry, Chemical Co., St. Louis, Mo. Antiseptic, germicide, and healing agent. 45,705; renewed Aug. 29, 1925.
Helderberg Cement Co., The, Howes Cave; The Helderberg Cement Co., Howes Cave and Albany, N. Y. Portland cement. 49,886; renewed Feb. 20, 1926.
Hercules Chemical Co. Inc., Philadelphia, Pa. Sprays, insecticides, disinfectants, and deodorants. 205,478; Nov. 10; Serial No. 197,541; published Dec. 9, 1924.
Hill, Walter H., doing business as Craxit Chemical Co., Peoria, Ill. Water softener. 205,506; Nov. 10; Serial No. 201,238; published Aug. 11, 1925.
Hofheimer Brothers Company, Norfolk, Va. Shoes. 205,474; Nov. 10; Serial No. 203,125; published Aug. 18, 1925.
Hollywood Yale Corporation, Los Angeles, Calif. Radio receiving sets. 205,438; Nov. 10; Serial No. 214,549; published Aug. 25, 1925.
Houck, James G., Lima, Ohio. Medicine for use in the treatment of coughs, colds, and pneumonia. 205,463; Nov. 10; Serial No. 216,180; published Aug. 4, 1925.
Hubinger, J. C., Bros. Company, The, Keokuk, Iowa. Laundry starch. 205,630; Nov. 10; Serial No. 214,916; published Aug. 25, 1925.
Hudson & Co. Inc., New York, N. Y. Antiseptic liquid. 49,565; renewed Feb. 13, 1926.
Hungarian Milling & Elevator Company, The; The Colorado Milling & Elevator Co., Denver, Colo., successor. Wheat flour. 45,499; renewed Aug. 22, 1925.
Imperial Sugar Company, Sugar Land, Tex. Sugar. 205,637; Nov. 10; Serial No. 214,917; published Aug. 25, 1925.
International Shoe Company, St. Louis, Mo. Leather boots and shoes. 205,680; Nov. 10.
Internationale Laboratorien Arlesheim, A. G., Arlesheim, Switzerland. Medicines, creams, lotions, etc. 205,563; Nov. 10; Serial No. 205,830; published July 21.
Interwoven Stocking Company. (See Mettler, John W., assignor.)
Jaeger, Melanie F., doing business as Physicians' Supplies Company, New York, N. Y. Hand cream. 205,497; Nov. 10; Serial No. 216,102; published Aug. 25, 1925.
Jarnac et Cie. (See Morrisson, James W.)
Johnson & Johnson, New Brunswick, N. J. Astringent and antiseptic solution for halitosis. 205,490; Nov. 10; Serial No. 216,914; published Aug. 25, 1925.
Jones, Emmet A., Atlanta, Ga. Overalls. 205,529; Nov. 10; Serial No. 216,344; published Aug. 25, 1925.
Kaempfer, Fred W., doing busines as Kaempfer's, Chicago, Ill. Live canaries. 205,605; Nov. 10; Serial No. 216,545; published Aug. 25, 1925.
Kase-Quinby Rubber Co. Inc., New York, N. Y. Rubber and rubberized aprons and sanitary baby pants. 205,669; Nov. 10; Serial No. 212,441; published Sept. 1, 1925.
Kearns Coal Company, The, Cincinnati, Ohio. Coal. 205,602; Nov. 10; Serial No. 216,680; published Aug. 25, 1925.
Keasbey & Mattison Company, Ambler, Pa. Parting powder. 205,623; Nov. 10. Serial No. 214,082; published Aug. 25, 1925.
Keasbey & Mattison Company, Ambler, Pa. Parting powder. 205,638; Nov. 10; Serial No. 214,081; published Aug. 25, 1925.
Kilburn Mill, New Bedford, Mass. Cotton waste. 205,494; Nov. 10. Serial No. 216,406; published Aug. 25, 1925.
Kilburn Mill, New Bedford, Mass. Cotton waste. 205,587–92; Nov. 10; Serial Nos. 216,399–404; published Aug. 25, 1925.
Kilburn Mill, New Bedford, Mass. Cotton waste. 205,587–9; Nov. 10; Serial Nos. 216,408–10; published Aug. 25, 1925.
Kilburn Mill, New Bedford, Mass. Cotton waste. 205,600; Nov. 10; Serial No. 216,407; published Aug. 25, 1925.
Kilburn Mill, New Bedford, Mass. Cotton waste. 205,601; Nov. 10; Serial No. 216,405; published Aug. 25, 1925.
Kilmer, Dr., & Co., Binghamton, N. Y. Preparations for the treatment of headache, drowsiness, torpid liver, etc. 205,500; Nov. 10; Serial No. 215,519; published Aug. 18, 1925.
Kilmer, Dr., & Co., Binghamton, N. Y. Preparations for the treatment of coughs, colds, etc. 205,571–2; Nov. 10; Serial Nos. 215,522–3; published Aug. 4, 1925.
Kilmer, Dr., & Co., Binghamton, N. Y. Preparations for the treatment of the ordinary curable ailments of the kidneys, liver, etc. 205,573; Nov. 10; Serial No. 215,524; published Aug. 4, 1925.
Kleener Manufacturing Company, Germantown, Philadelphia, Pa. Chemical compound. 205,544; Nov. 10; Serial No. 212,384; published Aug. 4, 1925.
Kleinert, I. B., Rubber Co., New York, N. Y. Dress shields. 48,993; renewed Jan. 16, 1926.
Knickerbocker Mills Co., New York, N. Y. Pastry spice. 205,606; Nov. 10; Serial No. 216,681; published Aug. 25, 1925.
Koffman & Blumenau, Bay City, Mich. Malt sirup for food purposes. 205,493; Nov. 10; Serial No. 216,547; published Aug. 25, 1925.
Kops Bros., assignor to Kops Bros. Inc., New York, N. Y. Corsets. 47,883; renewed Nov. 28, 1925.
Kops Bros., assignor to Kops Bros. Inc., New York, N. Y. Corsets, corset waists, and steels. 48,107; renewed Dec. 12, 1925.
Landers, Frary & Clark, New Britain, Conn. Electrically-heated sadirons. 205,485; Nov. 10, 1925. Serial No. 214,370; published Aug. 4, 1925.
Lehn & Fink, Inc., New York, N. Y. Wound dressing. 205,642; Nov. 10; Serial No. 210,469; published Aug. 25, 1925.
Lemmert, Mary, doing business as Pro-tect-em Chemical Company, Detroit, Mich. Preventive ointment against venereal diseases. 205,492; Nov. 10; Serial No. 216,787; published Aug. 25, 1925.
Lengyel, L. & G., Brooklyn, N. Y. Cologne. 205,644; Nov. 10; Serial No. 209,226; published Aug. 25, 1925.
Lentheric, Inc., New York, N. Y. Toilet preparations. 205,532; Nov. 10; Serial No. 215,862; published Aug. 11, 1925.
Leo, Albert, Chicago, Ill. Sugar. 205,484; Nov. 10; Serial No. 217,164; published Aug. 25, 1925.
Les Parfums de Rosine, New York, N. Y. Toilet articles. 205,505; Nov. 10; Serial No. 200,328; published Aug. 11, 1925.
Les Parfums de Rosine, New York, N. Y. Toilet articles. 205,656; Nov. 10; Serial No. 201,296; published Aug. 25, 1925.
Lewis, A. H., Medicine Co., The, St. Louis, Mo. Medicines for the regulation of the liver and purification of the blood. 48,188; renewed Dec. 12, 1925.
Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Astringent. 205,534; Nov. 10; Serial No. 215,800; published Aug. 11, 1925.
Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Liquid and cream rouge. 205,535; Nov. 10; Serial No. 215,799; published Aug. 11, 1925.
Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Skin cream. 205,536; Nov. 10; Serial No. 215,797; published Aug. 11, 1925.
Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Astringent. 205,537; Nov. 10; Serial No. 215,796; published Aug. 11, 1925.
Lewis, Florence N., doing business as Elizabeth Arden, N. Y. Ointments for the skin. 205,681; Nov. 10.
Lichtenstein & Liberman, Inc., New York, N. Y. Ladies' hats. 205,566; Nov. 10; Serial No. 216,057; published Aug. 25, 1925.
Lilly, Eli, & Company, The, assignor to Eli Lilly and Company, Indianapolis, Ind. Salve or paste. 45,791; renewed Aug. 29, 1925.
Lilly, Eli, & Company, The, assignor to Eli Lilly and Company, Indianapolis, Ind. Liquid cathartic. 46,436; renewed Sept. 19, 1925.
Lippl, Andrew F., Philadelphia, Pa. Blood tonic. 205,445; Nov. 10; Serial No. 216,590; published Aug. 18, 1925.
Lithuanian Products Co. (See Gaubas, John.)
Logan, Thomas H., Co., Hudson, Mass. Leather boots and shoes. 205,475; Nov. 10; Serial No. 200,763; published Aug. 25, 1925.
Long, C. S., Portland, Oreg. Preparation for the treatment of colds, catarrh, and asthma. 205,540; Nov. 10; Serial No. 215,749; published Aug. 18, 1925.
Ludlow Manufacturing Associates, Boston, Mass. Jute bagging. 48,995–6; renewed Jan. 16, 1926.
Ludlow Manufacturing Associates, Boston, Mass. Jute bagging. 48,998; renewed Jan. 16, 1926.
Lyon & Healy, assignor to Lyon & Healy, Inc., Chicago, Ill. Guitars and mandolins. 48,483; renewed Jan. 2, 1926.
Macomber, W. L., & Co., Boston, Mass. Starch, dextrin, and gums made from starch. 45,989; renewed Sept. 5, 1925.
Mallory Hat Company, The, Danbury, Conn. Straw and felt hats. 205,464; Nov. 10; Serial No. 216,277; published Aug. 25, 1925.
Marathon Radio Corporation, San Francisco, Calif. Radio apparatus. 205,557; Nov. 10; Serial No. 207,665; published Aug. 25, 1925.
Marisca, Pietro, Los Angeles, Calif. Toilet and dermatological preparations. 205,564; Nov. 10; Serial No. 205,769; published Feb. 24, 1925.
Marshall Field & Company, Chicago, Ill. Printed voiles. 205,689; Nov. 10.
Mason, David, Roxbury, Mass. Preparation for the treatment of the hair and scalp. 205,664; Nov. 10; Serial No. 212,874; published Aug. 25, 1925.
Mayers, Hersberg, Corporation, doing business as Eureka Specialty Co., New York, N. Y. Radio kits for complete radio receiving sets, etc. 205,443; Nov. 10; Serial No. 214,880; published Aug. 11, 1925.
McBrady, John E., doing business as J. E. McBrady & Co., Chicago, Ill. Preparation for the skin. 205,688; Nov. 10.
McMullin, James F., doing business as Fairfax Laboratories, Kansas City, Kans. Nonpoisonous liquid used to destroy flies, roaches, etc. 205,615; Nov. 10; Serial No. 213,589; published Aug. 25, 1925.
Meisel Galland Company, Brooklyn, N. Y. Fur dye. 205,646; Nov. 10; Serial No. 207,945; published Aug. 25, 1925.

Meisel Galland Company, Brooklyn, N. Y. Fur dye. 205,647; Nov. 10; Serial No. 207,942; published Aug. 25, 1925.

Meisel Galland Company, Brooklyn, N. Y. Fur dye. 205,662; Nov. 10; Serial No. 207,944; published Aug. 25, 1925.

Menries Shoe Company, The, Fond du Lac, Wis. Leather shoes. 205,428; Nov. 10; Serial No. 213,024; published Aug. 18, 1925.

Mettler, John W., assignor to Interwoven Stocking Company, New Brunswick, N. J. Knitted hosiery, undershirts, and drawers. 49,830; renewed Feb. 20, 1926.

Meyer-Bechsler, E., Zurich, Switzerland. Safety cut-off for electrical apparatus. 205,552; Nov. 10; Serial No. 211,219; published Aug. 4, 1925.

Meyer Brothers Coffee and Spice Company, St. Louis, Mo. Coffee. 48,932; renewed Jan. 16, 1926.

Meyer Brothers Coffee and Spice Company, St. Louis, Mo. Coffee. 49,001–2; renewed Jan. 16, 1926.

Micucci, Nicholas, doing business as Dual Ryter Co., Jersey City, N. J. Combination fountain pens and pencils. 205,679; Nov. 10.

Miles, Dr., Medical Co., The, Elkhart, Ind. Tonics, nervine, and sedatives. 49,817; renewed Feb. 20, 1926.

Miller, Charles E., McSherrystown, Pa. Cigars. 45,226; renewed Aug. 8, 1925.

Mine Safety Appliances Company, Pittsburgh, Pa. Chemical materials for use as catalyst. 205,520; Nov. 10; Serial No. 215,581; published Aug. 18, 1925.

Mine Safety Appliances Company, Pittsburgh, Pa. Mixtures of oxygen and carbon dioxides. 205,521; Nov. 10; Serial No. 215,580; published Aug. 18, 1925.

Moline Plow Co., assignor to Moline Implement Company, Moline, Ill. Corn and cotton planters and beet drills. 46,041; renewed Sept. 5, 1925.

Moline Plow Co., assignor to Moline Implement Company, Moline, Ill. Plows, cultivators, and harrows. 46,518; renewed Sept. 26, 1925.

Moline Plow Co., assignor to Moline Implement Company, Moline, Ill. Plows and cultivators. 46,519; renewed Sept. 26, 1925.

Montag Stove Works, Portland, Oreg. Wood and coal stoves, heaters, and furnaces. 205,604; Nov. 10; Serial No. 216,224; published Aug. 25, 1925.

Moore, Lawrence M., Los Angeles, Calif. Self-hardening plastic composition. 205,603; Nov. 10; Serial No. 216,625; published Aug. 25, 1925.

Moore, Tom, Distillery (Inc.), Bardstown, Ky. Whisky. 47,398; renewed Oct. 31, 1925.

Morrison, James W., doing business as Jarnac et Cie., Chicago, Ill. Face and talcum powders, lip and cheek rouge, etc. 205,578; Nov. 10; Serial No. 215,645; published Aug. 4, 1925.

Mulford, H. K., Company, Philadelphia, Pa. Dry surgical dressing and antiseptic healing powder. 205,526; Nov. 10; Serial No. 216,470; published Aug. 11, 1925.

Mulford, H. K., Company, Philadelphia, Pa. Chocolate-coated concentrates of acidophilus bacilli in agar cubes. 205,541; Nov. 10; Serial No. 215,587; published Aug. 11, 1925.

Mulligan, James, Washington, D. C. Maltless powder preparation for making soft drinks. 205,582; Nov. 10; Serial No. 215,751; published Aug. 18, 1925.

Munsingwear Corporation. (See Northwestern Knitting Company, assignor.)

My Own Company. (See Van Camp Packing Company.)

National Carbon Company, Inc., New York, N. Y. Stranded shunt cables for brushes. 205,429; Nov. 10; Serial No. 213,097; published Aug. 18, 1925.

National Carbon Company, Inc., New York, N. Y. Electric batteries. 205,574; Nov. 10; Serial No. 215,526; published Aug. 25, 1925.

National Washboard Company, The. (See American Washboard Company, assignor.)

Nelson, Jonathan E., Fort Worth, Tex. Chemical composition as a remedy for killing dandruff germs, etc. 205,445; Nov. 10; Serial No. 216,630; published Aug. 18, 1925.

Nelson Tool Company Inc., New York, N. Y. Condensers and sockets for vacuum tubes for radio apparatus and parts thereof. 205,553; Nov. 10; Serial No. 210,975; published Aug. 25, 1925.

New Haven Gas Light Company, New Haven, Conn. Roof coating, a coal-tar preparation, elastic and liquid cements, and pitch. 205,640; Nov. 10; Serial No. 213,725; published Aug. 25, 1925.

New Idea Air Purifier Co. Inc., Jamaica, N. Y. Naphtha in block form used as an air purifier. 205,440; Nov. 10; Serial No. 214,674; published Aug. 4, 1925.

New York Insecticide Co., Medina, N. Y. Insecticides and fungicides. 205,525; Nov. 10; Serial No. 216,471; published Aug. 11, 1925.

Niagara Alkali Company, Niagara Falls, N. Y. Caustic potash and soda, bleaching powder, etc. 205,613; Nov. 10; Serial No. 215,216; published Aug. 25, 1925.

Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo and Nottenden, Norway. Fertilizer. 205,687; Nov. 10.

North East Electric Company, Rochester, N. Y. Electric starting apparatus, electric lighting apparatus, electric signal horns, etc. 205,542; Nov. 10; Serial No. 212,864; published Aug. 4, 1925.

Northwestern Knitting Company, assignor to The Munsingwear Corporation, Minneapolis, Minn. Knit underwear. 49,004; renewed Jan. 16, 1926.

Nu-way Shoe Co., New York, N. Y. Shoes. 205,508; Nov. 10; Serial No. 205,224; published Aug. 25, 1925.

Oakes, Thomas, & Co., Bloomfield, N. J. Suitings for men and boys. 49,240; renewed Jan. 30, 1926.

O'Brien, Daniel S. M. D., Beloit, Wis. Medicine for restoration of sexual functions. 205,431; Nov. 10; Serial No. 213,854; published Aug. 4, 1925.

Osborn, C. D., Co., Chicago, Ill. Gloves. 205,513–15; Nov. 10; Serial Nos. 211,695–7; published Aug. 18, 1925.

Owen, John J., doing business as Owen Chemical Co., Wheeling W. Va. Skin lotion. 205,628; Nov. 10; Serial No. 214,885; published Aug. 25, 1925.

Paraffine Companies, Inc., The, San Francisco, Calif. Roofing comprising felt sheets. 205,652; Nov. 10; Serial No. 192,786; published Aug. 25, 1925.

Paragon Chemical Co., Los Angeles, Calif. Insecticides. 205,670; Nov. 10; Serial No. 213,038; published Aug. 11, 1925.

Paris Laboratories, New York, N. Y. Face powders and creams, toilet waters, nail polishes, etc. 205,522; Nov. 10; Serial No. 216,473; published Aug. 18, 1925.

Parke, Davis & Company, Detroit, Mich. Analgesic and antiseptic dental preparation. 205,487; Nov. 10; Serial No. 216,987; published Aug. 25, 1925.

Parke, Davis & Company, Detroit, Mich. Rat virus. 205,488; Nov. 10; Serial No. 216,986; published Aug. 25, 1925.

Pendleton, Andrew L., doing business as Standard Drug Co., Elizabeth City, N. C. Preparation for headaches, neuralgia, rheumatism, cold, and grippe. 205,614; Nov. 10; Serial No. 213,401; published Aug. 25, 1925.

Penetrene Corporation, The, Cleveland, Ohio. Liniments. 205,555; Nov. 10; Serial No. 210,252; published Aug. 4, 1925.

Peninsular Chemical Co., Orlando, Fla. Insecticides and fungicides. 205,658; Nov. 10; Serial No. 204,668; published Jan. 6, 1925.

Penn Leather Company, Philadelphia, Pa. Leather soles, taps, and slip soles. 205,548; Nov. 10; Serial No. 211,757; published Aug. 25, 1925.

Perlysky, Sadie, Hartford, Conn. Ladies' hats. 205,559; Nov. 10; Serial No. 208,822; published Aug. 18, 1925.

Pfeiffer Chemical Company, New York, N. Y. Medicinal preparation for killing rats, roaches, etc. 205,691; Nov. 10.

Pfeiffer Chemical Company, New York, N. Y. Medicinal preparation for bronchitis, burns, eczema, etc. 205,692; Nov. 10.

Physicians' Supply Company. (See Jaeger, Melanie F.)

Pillsbury-Washburn Flour Mills Company, Ltd., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 44,818; renewed July 25, 1925.

Pillsbury-Washburn Flour Mills Company, Ltd., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 45,179–82; renewed Aug. 8, 1925.

Pillsbury-Washburn Flour Mills Company, Ltd., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 45,744; renewed Aug. 29, 1925.

Pillsbury-Washburn Flour Mills Company, Ltd., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 45,927; renewed Aug. 29, 1925.

Pillsbury-Washburn Flour Mills Company, Ltd., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 47,236; renewed Oct. 31, 1925.

Pillsbury-Washburn Flour Mills Company, Ltd., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 47,530; renewed Nov. 7, 1925.

Pineule Medicine Co., Chicago, Ill., assignor to E. C. De Witt & Co. Inc., New York, N. Y. Remedies for coughs, colds, lung, and bronchial affections. 47,280; renewed Oct. 31, 1925.

Pittsburgh Radio and Appliance Company, Inc., Pittsburgh, Pa. Wireless apparatus. 205,456; Nov. 10; Serial No. 183,687; published Aug. 11, 1925.

Polar Products Company, Eau Claire, Wis. Nonfreezing solution for automobile radiators. 205,528; Nov. 10; Serial No. 216,429; published Aug. 11, 1925.

Posner, Isidor, New York, N. Y. Hairdressing cream. 205,518; Nov. 10; Serial No. 215,178; published Aug. 25, 1925.

Prot-tect-em Chemical Company. (See Lemmert, Mary.)

Quaker City Chemical Company. (See Zurn, O. F., Company.)

Quinn, William M., Boston, Mass. Cravats and neckties. 205,663; Nov. 10; Serial No. 208,483; published July 28, 1925.

Radio Industries Corporation, New York, N. Y. Transformers used in radio receiving sets. 205,579; Nov. 10; Serial No. 215,705; published Aug. 18, 1925.

Rainbo Inc., Chicago, Ill. Ladies' hats. 205,465; Nov. 10; Serial No. 216,289; published Aug. 25, 1925.

Reichmann Company. (See Winkler-Reichmann Company.)

Reinschild Chemical Co., The, New York, N. Y. Treatment for epilepsy. 205,668; Nov. 10; Serial No. 212,039; published Aug. 18, 1925.

Reliance Radio Supply Company, New York, N. Y. Radio receiving sets and parts. 205,473; Nov. 10; Serial No. 203,836; published Aug. 25, 1925.

Repetti, Charles, New York, N. Y., assignor to Repetti, Inc., Long Island City, N. Y. Butter chocolate and other candy confections. 45,850; renewed Aug. 15, 1925.



Richardson & Boynton Co., New York, N. Y. Chemical solution to prevent rusting of metal and discoloration of water. 205,625; Nov. 10; Serial No. 214,617; published Aug. 18, 1925.

Richardson Radio, Incorporated, New York, N. Y. Radio receiving and transmitting sets and parts thereof. 205,442; Nov. 10; Serial No. 214,748; published Aug. 11, 1925.

Roth Brothers & Company, Chicago, Ill. Electric generators. 205,467; Nov. 10; Serial No. 216,643; published Aug. 25, 1925.

Royal Prescriptions Company, Inc., Oneonta, N. Y. Liquid medical preparation for the relief of indigestion. 205,517; Nov. 10; Serial No. 214,689; published Aug. 18, 1925.

Rubber Service Laboratories Company, The, Akron, Ohio. Compounding ingredient and rubber softener. 205,665; Nov. 10; Serial No. 209,751; published Aug. 18, 1925.

Ruthrauff, J. Mos, Tucson, Ariz. Breakfast cereals. 205,459; Nov. 10; Serial No. 176,918; published Aug. 18, 1925.

Sanchez & Haya Co., Tampa, Fla. Cigars. 44,973; renewed Aug. 1, 1925.

Schield, Wm., Mfg. Co., St. Louis, Mo. Lye. 205,527; Nov. 10; Serial No. 216,432; published Aug. 11, 1925.

Schliep, Wm., Mount Pleasant, Iowa. Cigars. 46,202; renewed Sept. 12, 1925.

Scribner, Romeyn B., doing business as R. B. Scribner Co., New York, N. Y. Indoor radio antenna. 205,430; Nov. 10; Serial No. 213,149; published Aug. 25, 1925.

Sherwin, Nathan S., Fall River, Mass. Men's hats. 205,444; Nov. 10; Serial No. 215,027; published Aug. 18, 1925.

Sisabo Drug Company, Inc., Dover, Del. Preparation for the treatment of tuberculosis. 205,491; Nov. 10; Serial No. 216,798; published Aug. 25, 1925.

Sinter, Mary, Cleveland, Ohio. Salve for the treatment of skin disease, syphilis, boils, etc. 205,436; Nov. 10; Serial No. 214,507; published Aug. 4, 1925.

Sleekbac Company, The. (See Allan, H. L.)

Smile Remedy Company. (See Goldman, Harry.)

Société Anonyme des Etablissements Rousaud "a la Marquise de Sévigné" Chocolate de Royat, Royat-les-Bains, France. Pastes, powders, liquids, and perfumery. 205,504; Nov. 10; Serial No. 198,591; published Mar. 31, 1925.

Sostmann, Julius, & Sons, Inc., Philadelphia, Pa. Fresh and cured pork, beef, veal, and mutton and salted pork, canned vegetables and fruits. 205,649; Nov. 10; Serial No. 208,844; published Aug. 25, 1925.

Souder, L. E., & Sons Mfg. Co., Bridgeton, N. J. Battery acid. 205,448; Nov. 10; Serial No. 216,567; published Aug. 18, 1925.

Southside Pharmacy. (See Edwards, O. G.)

Squire Dingee Company, Chicago, Ill. Jellies, jams, fruit butters, fruit and berry preserves, and pickles. 205,659; Nov. 10; Serial No. 205,793; published Aug. 25, 1925.

Standard Biscuit Company, Des Moines, Iowa. Crackers. 205,675; Nov. 10.

Standard Drug Co. (See Pendleton, Andrew L.)

Standard Hat Company, San Francisco, Calif. Ladies' and misses' hats. 205,484; Nov. 10; Serial No. 214,219; published Aug. 18, 1925.

Star-Service Hanger Co., Detroit, Mich. Garment hangers. 205,650; Nov. 10; Serial No. 200,016; published Aug. 25, 1925.

Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 46,263; renewed Sept. 12, 1925.

Stewart-Warner Speedometer Corporation, Chicago, Ill. Vacuum tubes for radio apparatus. 205,466; Nov. 10; Serial No. 216,486; published Aug. 25, 1925.

Storfer Laboratories, Inc., New York, N. Y. Perfumes, toilet waters, rouges, etc. 205,511; Nov. 10; Serial No. 210,320; published Aug. 18, 1925.

Sweets Company of America, Inc., The, New York, N. Y. Candy. 205,562; Nov. 10; Serial No. 206,262; published Apr. 28, 1925.

Tennessee Chemical Company, Davidson County, assignor to Tennessee Chemical Company, Nashville, Tenn. Guano. 48,093; renewed Dec. 12, 1925.

Terre Haute Brewing Co., Terre Haute, Ind. Lager beer and bottled beer. 48,943; renewed Jan. 16, 1926.

Thermiodyne Research Laboratories, Inc., New York, N. Y. Radio receiving sets and parts thereof. 205,470; Nov. 10; Serial No. 216,950; published Aug. 25, 1925.

Thornburgh-Universal Gasket Mfg. Corp., Chicago, Ill. Gaskets. 205,686; Nov. 10.

Tobacco Rehandling Co., The. (See Grant, W. T., & Co., assignor.)

Trabulsi, N. P. & J., New York, N. Y. Mufflers and scarfs of woven material. 205,495; Nov. 10; Serial Nos. 216,301–3; published Aug. 25, 1925.

Trabulsi, N. P. & J., New York, N. Y. Mufflers and scarfs. 205,530; Nov. 10; Serial No. 216,302; published Aug. 25, 1925.

Treo Company, Inc., Jamaica, N. Y. Corsets, brassières, girdles, and hose supporters. 205,586; Nov. 10; Serial No. 215,952; published Aug. 18, 1925.

Tri-Ergon A.-G., Zurich, Switzerland. Microphones, electrically-operated loud speakers, electrostatic sound reproducers, etc. 205,558; Nov. 10; Serial No. 207,417; published Aug. 18, 1925.

Trivers Clothes Stores Corporation, New York, N. Y. Coats, vests, etc. 205,620; Nov. 10; Serial No. 214,000; published Sept. 1, 1925.

Tucker Duck and Rubber Company, Fort Smith, Ark. Mops. 205,676; Nov. 10.

Undertakers' Supply Company, The, Chicago, Ill. Preparation to be used as an antiseptic, deodorant, etc. 205,624; Nov. 10; Serial No. 214,520; published Aug. 11, 1925.

Urban, Sol, Cincinnati, Ohio. Women's shoes. 205,580; Nov. 10; Serial No. 215,719; published Aug. 18, 1925.

V. B. Brassière Co., New York, N. Y. Brassières and girdles. 205,546; Nov. 10; Serial No. 212,052; published Aug. 25, 1925.

Van Camp Packing Company, The, doing business as My Own Company, Indianapolis, Ind. Canned evaporated milk. 205,683; Nov. 10; Serial No. 215,541; published Aug. 25, 1925.

Vivi, Inc., New York, N. Y. Rouges. 205,489; Nov. 10; Serial No. 216,951; published Aug. 25, 1925.

Vivi, Inc., New York, N. Y. Face powders and creams, perfumes, hair oils, etc. 205,523–4; Nov. 10; Serial Nos. 216,489–90; published Aug. 18, 1925.

Voss & Stern, New York, N. Y. Cotton voile. 205,674; Nov. 10.

Walnart Electric Mfg. Co., Chicago, Ill. Radio apparatus. 205,583; Nov. 10; Serial No. 215,763; published Aug. 25, 1925.

Ward, Mrs. J. E., Omaha, Nebr. Herb preparation for tuberculosis, stomach disorders, and rheumatism. 205,432; Nov. 10; Serial No. 214,001; published Aug. 4, 1925.

Warner, Wm. R., & Co., Vergennes, Vt. Remedy for asthma and asthmatic diseases. 47,965; renewed Nov. 28, 1925.

Warner, William R., & Co., Philadelphia, Pa., assignor to William R. Warner & Co., Inc., New York, N. Y. Medicinal preparations. 48,899; renewed Jan. 16, 1926.

Warren, F. A., Atlanta, Ga. Roof finishing. 205,643; Nov. 10; Serial No. 209,885; published Aug. 25, 1925.

Watson Pipe & Supply Co., Torrance, Calif. Pipe for use in oil wells. 205,685; Nov. 10.

Weinberg, Mike, Dress Company, New York, N. Y. Women's combination garments. 205,457; Nov. 10; Serial No. 179,248; published Aug. 25, 1925.

Wells-Lamont Mfg. Co., Minneapolis, Minn. Gloves. 205,461; Nov. 10; Serial No. 216,081; published Aug. 25, 1925.

Wenner & Macary, Butte, Mont. Pile remedy. 205,629; Nov. 10; Serial No. 214,904; published Aug. 25, 1925.

Wheeler Condenser & Engineering Co., New York, N. Y.; Wheeler Condenser & Engineering Co., Carteret, N. J. Surface and jet condensers. 46,998; renewed Oct. 17, 1925.

Whitaker Paper Company, The, Cincinnati, Ohio. Writing paper. 45,501; renewed Aug. 22, 1925.

Williamsburg Barber Supply Co. (See Bernstein, Gertrude.)

Wilson, Sara E. L. B., Montreal, Canada. Remedy for skin diseases such as eczema, ringworm, etc. 205,441; Nov. 10; Ser. No. 214,700; published Aug. 4, 1925.

Winkler-Reichmann Company, now Reichmann Company, Chicago, Ill. Horns for loud-speaking receivers and for the bases which support said horns. 205,476; Nov. 10; Serial No. 198,551; published July 21.

Wollner, Paul, Chicago, Ill. Medicinal tea for dropsy, rheumatism, etc. 205,626; Nov. 10; Serial No. 214,765; published Aug. 11, 1925.

Woodfork, Helen, St. Louis, Mo. Hair preparations. 205,485; Nov. 10; Serial No. 217,125; published Aug. 25, 1925.

World Beatoe Corporation, New York, N. Y. Transmission brake and friction linings. 205,545; Nov. 10; Serial No. 212,358; published July 14, 1925.

Woul, Charles, Elizabeth, N. J. Face lotion. 205,482; Nov. 10; Serial No. 217,126; published Aug. 25, 1925.

Wright & Wright, Inc., Peabody, Mass. Chrome velvet ooze splits. 205,616; Nov. 10; Serial No. 213,608; published Aug. 25, 1925.

Wrinkle-Ine Chemical Company, The, Denver, Colo. Toilet article in the form of a powder. 205,509; Nov. 10; Serial No. 206,649; published Aug. 4, 1925.

Yale, Raymond B., doing business as Yale Radio Electric Company, Los Angeles, Calif. Radio receiving sets and accessories. 205,551; Nov. 10; Serial No. 211,436; published Aug. 25, 1925.

Yeager, Leo R. (See Federal Manufacturing Company, The, assignor.)

Young, Chas. W., & Co., Philadelphia, Pa. Shampoo preparation. 205,682; Nov. 10.

Younger, Scout, Milwaukee, Wis. Wax figures. 205,635; Nov. 10; Serial No. 215,390; published Aug. 25, 1925.

Zuckerman, Lillye G., doing business as Frozen Lolly Co., Detroit, Mich. Coating for confections and thinner for such coating. 205,634; Nov. 10; Serial No. 215,430; published Aug. 25, 1925.

Zurn, O. F., Company, Incorporated, Philadelphia, Pa. Oils for lubricating yarns. 205,654; Nov. 10; Serial No. 186,536; published Feb. 19, 1924.

Zurn, O. F., Company, Incorporated, doing business as Quaker City Chemical Company, Philadelphia, Pa. Chemical for softening and finishing cotton or mercerized hosiery, etc. 205,660; Nov. 10; Serial No. 206,761; published Mar. 31, 1925.

# ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Arnold, F. R., & Co., New York, N. Y. Fracy Paris—France. For Face Powder. 29,445; Nov. 10.

Azusa Citrus Association, Azusa, Calif. Black Crusader. For Oranges. 29,446; Nov. 10.

Becwhe Laboratories, Inc., Chicago, Ill. World's Wonder Hair Restorer. For a Scalp and Hair Tonic. 29,447; Nov. 10.

Ciarlante, Ariberto E., New York, N. Y. Ace Nail Polish. For Nail Polish. 29,448; Nov. 10.

Clairemont Sterilized Egg Co., Chicago, Ill. Clairemont Air-Tite eggs. For Eggs. 29,449; Nov. 10.

Edick, Leonard J., Gloversville, N. Y. Peek-O-Scope. For an Optical Toy. 29,450; Nov. 10.

Heit-Miller-Lau Co., Fort Wayne, Ind. Mary Wayne. For Candy. 29,451; Nov. 10.

Hollywood Beverage Co. (See Luts, William G.)

Locke, Dena, doing business as Lockenbohl Candy Company, Cincinnati, Ohio. Lockenbohl Confections Good to the Last Grain Eat it All. For Confections. 29,452; Nov. 10.

Lockenbohl Candy Company. (See Locke, Dena.)

Laddy, John E., doing business as The Windsor Company, Windsor, Conn. Winsonia. For Hosiery. 29,453; Nov. 10.

Luts, William G., doing business as Hollywood Beverage Co., Los Angeles, Calif. Hollywood Dry. For Ginger Ale. 29,454; Nov. 10.

Maltoat Products Company, Racine, Wis. Maltoat The Perfected Milk Modifier For Infants and Convalescents. For Maltoat the Perfected Milk Modifier. 29,455; Nov. 10.

Meiszahl, Chas. W., doing business as Chas. Meiszahl Mfg. Co., New York, N. Y. C M Grape Soda. For Grape Soda. 29,456; Nov. 10.

Menasha Printing and Carton Company, Menasha, Wis. Delicious Brand Ice Cream. For Ice Cream. 29,457; Nov. 10.

Menasha Printing and Carton Company, Menasha, Wis. Luxury Brand Butter. For Butter. 29,458; Nov. 10.

Menasha Printing and Carton Company, Menasha, Wis. Colonial Brand Ice Cream. For Ice Cream. 29,459; Nov. 10.

Milwaukee Paper Box Co., The, Milwaukee, Wis. Red Circle Dates and Brazils. For Candy. 29,460; Nov. 10.

Milwaukee Paper Box Co., The, Milwaukee, Wis. Red Circle Bitter Sweet Chocolates. For Candy. 29,461; Nov. 10.

Milwaukee Paper Box Co., The, Milwaukee, Wis. Mrs. Graf's Review Chocolates. For Candy. 29,462; Nov. 10.

Minute Chemical Patch Company, Inc., The, Cleveland, Ohio. The Minute Chemical Patch. For Chemical patches. 29,463; Nov. 10.

Nell, Thomas H., Long Beach, Calif. Fo-Mo. For a Dandruff Remover. 29,464; Nov. 10.

Penn Tobacco Company, Wilkes-Barre, Pa. Duco Smoking & Chewing Tobacco. For Tobacco. 29,465; Nov. 10.

Penn Tobacco Company, Wilkes-Barre, Pa. Penns Stripped Smoking and Chewing Tobacco. For Tobacco. 29,466; Nov. 10.

Penn Tobacco Company, Wilkes-Barre, Pa. Sterling Finest Quality Stripped Mild Smoking Tobacco. For Tobacco. 29,467; Nov. 10.

Penn Tobacco Company, Wilkes-Barre, Pa. Duco Smoking and Chewing Tobacco. For Tobacco. 29,468; Nov. 10.

Penn Tobacco Company, Wilkes-Barre, Pa. Penns Special Smoking and Chewing Tobacco. For Tobacco. 29,469; Nov. 10.

Riverside Heights Orange Growers Association, Riverside, Calif. Red Globe. For Oranges. 29,470; Nov. 10.

Riverside Heights Orange Growers Association, Riverside, Calif. Blue Globe. For Oranges. 29,471; Nov. 10.

Santiago Orange Growers Association, Orange, Calif. Planet. For Oranges. 29,472; Nov. 10.

Schneider, J. George, York, Pa. E Easy Z. For Auto and Furniture Polish. 29,473; Nov. 10.

Shriro Brothers, Inc., New York, N. Y. Fliers Hosiery. For Hosiery. 29,474; Nov. 10.

Stoll & Edwards Co. Inc., New York, N. Y. Little Tots Apple Game. For a Game. 29,475; Nov. 10.

Stoll & Edwards Co. Inc., New York, N. Y. Our Own Scrap-Book. For a Scrapbook. 29,476; Nov. 10.

United States Truss Co., The, Cincinnati, Ohio. Invisible Truss Kumfort Kushion Pad. For Trusses. 29,477; Nov. 10.

Weiss, Nathan, Brooklyn, N. Y. Modern Middie Blouse. For Middie Blouses. 29,478; Nov. 10.

Windsor Company, The. (See Luddy, John E.)

# ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Oven & Machine Co., Chicago, Ill. New Era Mixer. For Mixing Machines. 8,308; Nov. 10.

Cream of Wheat Co., Minneapolis, Minn. A Health Record to brag about! That of Senator Arthur Capper. For Wheat Breakfast Food. 8,309; Nov. 10.

Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. Good—(wingfoot)—Year Good Wear, made with Supertwist. For Vehicle Tires Composed Wholly or in Part of Rubber. 8,310; Nov. 10.

J-T Memometer Manufacturing Company, Sherman, Tex. J-T Memometer. For Memometers. 8,311; Nov. 10.

Krank, Alfred J., doing business as A. J. Krank Manufacturing Company, St. Paul, Minn. Skin-Health Face Powder. For Face Powder. 8,312; Nov. 10.

Postum Cereal Company, Inc., New York, N. Y. Post's Bran Flakes as an Ounce of Prevention. For Bran Flakes. 8,313; Nov. 10.

St. Clair Coal Company, The, Scranton, Pa. St. Clair Super Anthracite Coal. For Coal. 8,315; Nov. 10.

Standard Oil Company (N. J.), Bayonne, N. J. Flit. For Insecticide. 8,314; Nov. 10.

Woodworth, Inc., New York, N. Y. Karess Complexion Specialties. For Complexion Specialties. 8,316; Nov. 10.

Young, Jack R., Marysville, Calif. Tuban Tyre. For Tires and Tubes. 8,317; Nov. 10.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Admirable Clothes, Inc., New York, N. Y. Men's suits, topcoats, vests, and pants. 217,240; Nov. 10.

Allied Industrial Products Co., Chicago, Ill. Liquid used for preparing sheet metal for pickling and for neutralising acid after pickling. 214,307; Nov. 10.

Amalgamated Paint Company, New York, N. Y. Flat wall paint. 219,511; Nov. 10.

Amboy Milk Products Co., Amboy, Ill. Evaporated milk. 208,889; Nov. 10.

American Blower Company, Detroit, Mich. Coal, gas, and oil burning stoves, heaters, steam boilers, separators, etc. 212,774; Nov. 10.

American Flyer Mfg. Co., Chicago, Ill. Miniature railroads. 220,102; Nov. 10.

American Poultry Corporation, Los Angeles, Calif. Dressed poultry and eggs. 218,442; Nov. 10.



American Retailers Association, Inc., New York, N. Y. Ladies' suits, coats, dresses, waists, etc. 220,282; Nov. 10.

American Specialty Co. (See Goldstein, Aaron.)

Arden, Elizabeth. (See Lewis, Florence N.)

Armstrong Packing Company, Dallas, Tex. Cottonseed-oil shortening. 219,709; Nov. 10.

Asepasan Co. (See Bricker, Robert O.)

Atlanta Tent & Awning Company. (See Couch Bros. Manufacturing Co.)

Avri Drug & Chemical Company, Jersey City, N. J. Insecticide. 220,333; Nov. 10.

Baldwin-Tarvin Company, The, Cincinnati, Ohio. Mulsified asphalt for waterproofing and protective purposes. 218,156; Nov. 10.

Bar Merchandise Company. (See Rubenstein, Sol H.)

Barber, Frank W., Stockton, Calif. Shampoo soap both in solid and liquid form. 216,184; Nov. 10.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Bayer Company, Inc., The, New York, N. Y. Rodenticides. 220,391; Nov. 10.

Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars. 220,172; Nov. 10.

Beach-Simon Co. (See Simon, Sidney M.)

Beltona Limited, Hoddesdon, England. Liniment. 216,765; Nov. 10.

Bendix & Fiber, Inc., New York, N. Y. Silk piece goods. 212,667; Nov. 10.

Benjamin E. V., Company, Inc., The, doing business as Maginnis Cotton Mills, New Orleans, La. Overalls, jackets, vests, suits, etc., for men or children. 217,600; Nov. 10.

Berkley Laboratories. (See Justin, John F.)

Bernagozzi, William P., New York, N. Y. Mineral water. 218,593; Nov. 10.

Best Mfg. Co., Newark, N. J. Head phones and loud speakers. 215,128; Nov. 10.

Bi-Car-Gum., Inc., New York, N. Y. Chewing gum for the relief of acid or sour stomach. 220,491; Nov. 10.

Blaw-Knox Company, Blawnox, Pa. Machines for measuring fine aggregates for concrete. 217,202; Nov. 10.

Bochmann, F. A., & Co., Inc., Philadelphia, Pa. Worsted and woolen dress goods. 219,660; Nov. 10.

Bohn Aluminum & Brass Corporation, Detroit, Mich. Castings. 220,883; Nov. 10.

Boston Knitting Mills, Inc., Somerville, Mass. Infant's band. 220,492; Nov. 10.

Bradford Dyers' Association, Limited, The, Bradford, England. Woolen piece goods. 220,839; Nov. 10.

Bricker, Robert O., doing business as Asepasan Co., Chester, Pa. Antiseptic. 217,448; Nov. 10.

Brown, W. A., Tobacco Company, Incorporated, Martinsville, Va. Plug, cut-plug, chewing, and smoking tobacco. 215,502; Nov. 10.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling-alley pin setters and supplies and equipment therefor. 202,609; Nov. 10.

Buoyant Upholstery Company Limited, The, Sandiacre, England. Chairs, settees, couches, seats, pedestals, etc. 215,400; Nov. 10.

Burgess-Johnson-Webb Corporation, doing business as Marva Garment Company, Kansas City, Mo. Women's dresses. 208,956; Nov. 10.

Burrow Manufacturing Company, Spokane, Wash. Tire boots for automobile tires. 218,950; Nov. 10.

Buttny, Joseph A., doing business as Capitol Chemical Company, Chicago, Ill. Cleaning fluid used as a dry cleaner. 219,527; Nov. 10.

C. G. Spring and Bumper Company, The, Detroit, Mich. Bumpers. 220,206; Nov. 10.

Capitol Chemical Company. (See Buttny, Joseph A.)

Central Commercial Company, Chicago, Ill. Gasoline, naphtha, fuel oil, tractor oil, etc. 183,363; Nov. 10.

Cheramy, Inc., New York, N. Y. Perfumes, toilet waters, face powder, creams, rouges, etc. 220,445; Nov. 10.

Chicago Mail Order Company, Chicago, Ill. Men's overalls. 220,396; Nov. 10.

Chresomales & Coronges, New York, N. Y. Maltless pineapple beverage. 219,473; Nov. 10.

Cluett, Peabody & Co. Inc., Troy, N. Y. Underwear. 219,474; Nov. 10.

Cohn & Holt, New York, N. Y. Women's dresses. 220,449; Nov. 10.

Continental Paper & Bag Mills Corporation, New York, N. Y. Prophylactic tissue paper. 219,168; Nov. 10.

Cooke, George W., Co., Inc., Brooklyn, N. Y. Faucets. 220,840; Nov. 10.

Couch Bros. Manufacturing Co., doing business as Atlanta Tent & Awning Company, East Point, Ga. Awnings. 219,382; Nov. 10.

Craig Chemical Company. (See Storey, Virginia.)

Crescent Belt Fastener Company, New York, N. Y. Rivets. 220,642; Nov. 10.

Crescent Belt Fastener Company, New York, N. Y. Rivets. 220,644–5; Nov. 10.

Crow, M. S., Inc., Shanghai, China; Chicago, Ill.; and Santa Barbara, Calif. Shensi chests, lacquered chairs and tables. 206,828; Nov. 10.

Crown Cork and Seal Company of Baltimore City, The, Baltimore, Md. Composition cork sheets and blocks, coverings for textile rolls, and sealing disks for closures. 219,062; Nov. 10.

Crown Vault Company. (See Fritz, Albert C.)

Curreri, Pietro, New York, N. Y. Olive oil. 220,218; Nov. 10.

Curtis Publishing Company, Philadelphia, Pa. Agricultural journal issued monthly. 219,529; Nov. 10.

Dalpo Products Company. (See Dalselle, Sanford J.)

Dalselle, Sanford J., doing business as Dalpo Products Company, Baltimore, Md. Tire enamel, floor oil, and aluminum bronze. 219,064; Nov. 10.

Davis, Effie M., Syracuse, N. Y. Deodorant and preventive of perspiration. 220,181; Nov. 10.

Davis Paint Company, Kansas City, Mo. Ready-mixed paint. 218,953; Nov. 10.

Deane, Artemas W., Los Angeles, Calif. Beverage. 218,394; Nov. 10.

Delaware, Lackawanna & Western Coal Company, The, Hoboken, N. J., and New York, N. Y. Anthracite coal. 217,335; Nov. 10.

Diamond, N., Wildwood Crest, N. J. Ointment for the treatment of skin diseases, psoriasis, piles, and burns. 220,941; Nov. 10.

Dill Company, The, Norristown, Pa. Laxative medicine. 220,182; Nov. 10.

Dorn Oil Company, Cleveland, Ohio. Gasoline and kerosene. 183,620; Nov. 10.

Dresch Laboratories Co., Toledo, Ohio. Gum coating for dentures. 220,877; Nov. 10.

Ducsing, Louis W., doing business as The Tydee Company, Dumont, N. J. Ladies' house or dust caps. 219,731; Nov. 10.

Durite Hosiery Co. (See Lowin, Paul.)

Emerson, Isaac E., Baltimore, Md. Laxative and cathartic for the treatment of liver, intestinal, and stomach disorders, etc. 220,019; Nov. 10.

Fajolo, Louis, doing business as Milan Cleanser Company, Cleveland, Ohio. Washing fluid. 217,870; Nov. 10.

Famous Features Syndicate, Inc., New York, N. Y. Newspaper feature articles. 220,228; Nov. 10.

Farmaiola Products Co. (See Union Food Products Co.)

Federal Gauge Co., The, Chicago, Ill. Lead wires for electrical connections to mercury tube switches. 218,692; Nov. 10.

Federal Products Corporation, Providence, R. I. Lens-measuring gauges. 218,805; Nov. 10.

Fiberloid Corporation, The, Indian Orchard, Springfield, Mass. Mirrors. 210,296; Nov. 10.

First National Bank of Boston et al., trustees. (See Lewis Manufacturing Company, assignor.)

Fish, Howard F., Westville, N. J. Liniment. 220,945; Nov. 10.

Fleron, M. M., & Son, Inc., Trenton, N. J. Hair tonic. 219,387; Nov. 10.

Forest Department of the Federated Malay States Government, The, Kuala Lumpur, Federated Malay States. Resin. 216,672; Nov. 10.

Forhan Company, New York, N. Y. Toothbrushes. 210,544; Nov. 10.

Fortune Products Company, Chicago, Ill. Candy. 219,243; Nov. 10.

Foster Laboratory, Newark, N. J. Cough expectorant. 219,663; Nov. 10.

Fraisse, Marius, and Co., doing business as Laboratoires Fraisse, Paris, France. Preparation administered in ampul form for the treatment of arteriosclerosis. 217,017; Nov. 10.

Fraisse, Marius, and Co., doing business as Laboratoires Fraisse, Paris, France. Preparation for the treatment of syphilis. 217,018; Nov. 10.

Fraisse, Marius, and Co., doing business as Laboratoires Fraisse, Paris, France. Preparation in ampul form for neurasthenia. 217,019; Nov. 10.

Fraisse, Marius, and Co., doing business as Laboratoires Fraisse, Paris, France. Preparation administered in ampul form for the treatment of anæmia. 217,020; Nov. 10.

Freezno Company, Douglas, Wyo. Antifreezing compound for radiators. 220,125; Nov. 10.

Friedlander, Laura, New York, N. Y., and Seabreeze, Daytona Beach, Fla. Gowns. 220,339; Nov. 10.

Fritz, Albert C., doing business as Crown Vault Company, Evergreen Park, Ill. Burial vault. 220,287; Nov. 10.

G. & E. Trading Corp., New York, N. Y. Malt extracts and malt and hop extracts. 219,390; Nov. 10.

Gately Clothing Company, Chicago, Ill. Men's suits. 220,067; Nov. 10.

Germoform Chemical Co. (See Hrejsa, Joseph F.)

Gibson, Lewis W., doing business as Gibson Mfg. Co., Philadelphia, Pa. Cleaning compound for fabric and leather. 217,222; Nov. 10.

Gill Brothers Company, Steubenville, Ohio. Glass lamp chimneys, reflectors, and lantern globes. 220,946; Nov. 10.

Globe Bottling & Sales Company, The, Baltimore, Md. Malt beverage. 219,422; Nov. 10.

Golden State Milk Products Company, San Francisco, Calif. Cheese of all varieties. 218,255; Nov. 10.

Goldstein, Aaron, doing business as American Specialty Co., New York, N. Y. Malt extracts and malt and hop extracts. 219,392; Nov. 10.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Inner tubes for pneumatic vehicle tires. 207,240; Nov. 10.

Grasselli Chemical Company, The, Cleveland, Ohio. Soldering fluxes. 220,227; Nov. 10.

Gray Manufacturing Company, Spokane, Wash. Beverages sold as soft drinks and sirups and extracts for making the same. 216,175; Nov. 10.

Grisi, Josefa P. S., Mexico, Mexico. Medicinal plaster for the treatment of wounds, sores, and the like conditions. 203,332; Nov. 10.

Grossman, Isidore, doing business as Grossman Clothing Co., New York, N. Y. Men's outer suits. 219,535; Nov. 10.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa. Domestic lubricant. 210,675; Nov. 10.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of wool, silk, and cotton. 220,526; Nov. 10.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of wool, silk, and cotton. 220,527–8; Nov. 10.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of cotton, silk, and wool. 221,253; Nov. 10.
Habio & Solomon Inc., New York, N. Y. Artificial rayon silk fabrics. 216,976–7; Nov. 10.
Haiff M., & Bro., San Antonio, Tex. Bleached woven cotton cloth. 221,116; Nov. 10.
Hall, Walter T., & Co., Ottumwa, Iowa. Candy. 218,755; Nov. 10.
Hansley Mills, New York, N. Y. Men's shirts, undershirts, and underwear. 220,023; Nov. 10.
Hengerer, William, Company, The, Buffalo, N. Y. Hosiery. 219,429; Nov. 10.
Hermann, Seymour M., New York, N. Y. Composition to assist in dyeing operations. 220,456; Nov. 10.
Hillerich & Bradsby Co., Louisville, Ky. Golf clubs, golf balls, and baseball bats. 211,857; Nov. 10.
Hillside Cotton Mills, La Grange, Ga. Rugs. 220,717; Nov. 10.
Honeywell Heating Specialties Co., The, Wabash, Ind. Thermostatic device for controlling the temperature and pressure of steam and hot-water bottles. 217,879; Nov. 10.
Houtmann, Andrew P., doing business as Millville Pharmacy and Houtmann Bros., Woonsocket, R. I. Cough sirups. 220,535; Nov. 10.
Hrejsa, Joseph F., doing business as Germoform Chemical Co. Not Inc., Chicago, Ill. Antiseptic and prophylactic for treatment of leucorrhea, etc., and diseases of the female organs. 216,537–8; Nov. 10.
Huber-Sweet Mfg. Co., Highland Park, Ill. Mechanical toys. 219,432; Nov. 10.
Illinois Crop Improvement Association, Urbana, Ill. Field seeds. 207,680; Nov. 10.
Industrial Water Treatment Co., Newark, N. J. Compound for cleaning automobile radiators. 220,343; Nov. 10.
International Postal Supply Co., Brooklyn, N. Y. Mail-marking and envelope sealers. 217,345; Nov. 10.
International Postal Supply Co., Brooklyn, N. Y. Postage metering machines. 217,346; Nov. 10.
J. H. Epstein A. G., Niederrad, Frankfort, Germany Colored leather. 219,822; Nov. 10.
Jackson County Creamery, Medford, Oreg. Beverages sold as soft drinks. 218,759; Nov. 10.
Jaeckel, H., & Sons, Inc., New York, N. Y. Fur capes, wraps, scarfs, etc. 217,673; Nov. 10.
Jantzen Knitting Mills, Portland, Oreg. Bathing suits and woolen outing coats. 220,539; Nov. 10.
Jaquet, Daniel, Neuilly-sur-Seine, France. Perfumes. 220,952–7; Nov. 10.
Jell-X-Cell Co., The, Los Angeles, Calif. Gelatin dessert compound. 218,815; Nov. 10.
Johnson & Johnson, New Brunswick, N. J. Adhesive plasters. 220,027; Nov. 10.
Joslyn, A. W., Racine, Wis. Creams, toilet powders, talcums, rouge, etc. 207,788; Nov. 10.
Justin, John F., doing business as Berkley Laboratories, Weehawken, N. J. Medicinal preparation used as a blood-pressure reducer. 219,395; Nov. 10.
Karavan Coffee Company, The, Toledo, Ohio. Coffee. 219,486; Nov. 10.
Kase-Quinby Rubber Co., Inc., New York, N. Y. Traveling cases. 215,372; Nov. 10.
Kleinberger & Comp. Aktiengesellschaft, Duisburg, Germany. Liquid automobile polishes. 206,905; Nov. 10.
Knobel, John, & Son, Freeport, Ill. Wheat, pancake, etc., flours, corn meal, sirup, and evaporated milk. 220,543; Nov. 10.
Kohler Company, Kohler, Wis. Pottery consisting of lavatories, closet bowls, etc. 220,904; Nov. 10.
Kohn, Jacob, doing business as Standard Textile Company, Memphis, Tenn. Work shirts (men's). 207,412; Nov. 10.
Kuppenheimer, B., & Co. Inc., Chicago, Ill. Coats, vests, trousers, and overcoats. 214,486; Nov. 10.
Kwik-Kut Knife Company, St. Louis, Mo. Pocket, desk, or sewing-basket knife. 206,242; Nov. 10.
Laboratoires Fraisse. (See Fraisse, Marius, and Co.)
Lansdell & Willson, Limited, London, England. Ladies' coats, cloaks, wraps, capes, etc. 214,876; Nov. 10.
La Verne Beauty Products, Rochester, N. Y. Toilet cream. 220,345; Nov. 10.
Lawrence, Frederic M., Philadelphia, Pa. Fertilizing material. 220,963; Nov. 10.
Leland, Edwin F., doing business as The Leland Remedy Co., Minneota, Minn. Medicinal preparation for the treatment of poultry affected with roup, colds, etc., and as a preventive of contagious diseases. 220,346; Nov. 10.
Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Bath salts. 220,661; Nov. 10.
Lewis Manufacturing Company, Walpole, assignor, by mesne assignments, to First National Bank of Boston, Boston, and O. Olsen, Milton, Mass., trustees. Absorbent gauze and cotton and waste cotton, bandages, bandage rolls, etc. 202,257; Nov. 10.
Lowin, Maurice, doing business as Morwin Hosiery Co., New York, N. Y. Hosiery. 219,399; Nov. 10.
Lowin, Paul, doing business as Durite Hosiery Co., New York, N. Y. Hosiery. 219,400; Nov. 10.
Macfadden Publications, Incorporated, New York, N. Y. Monthly magazine. 219,635; Nov. 10.
Macy, R. H., & Co., Inc., New York, N. Y. Women's knitted underwear. 216,418; Nov. 10.
Maginnis Cotton Mills. (See Benjamin, E. V., Company, Inc., The.)
Manville Jenckes Company, Pawtucket, R. I. Sheetings and drillings. 220,242–3; Nov. 10.
Marlebe Mfg. Co. (See Strong, Earle S.)
Mar-O-Vel Company, Oklahoma City, Okla. Medicine for stomach, liver, and kidney trouble. 216,620; Nov. 10.
Marsden, J. E., Glass Works, Inc., Ambler, Pa. Household glassware, glass trays, automobile lenses, etc. 220,351; Nov. 10.
Marva Garment Company. (See Burgess-Johnson-Webb Corporation.)
Melnick, David, doing business as Rosalyn Manufacturing Co., Sidney, N. Y. Ladies' and misses' silk and cotton underwear, bath robes, etc. 212,342; Nov. 10.
Mennella, Federico, New York, N. Y. Canned vegetables. 218,075; Nov. 10.
Meyers, Fred J., Manufacturing Co., The, Hamilton, Ohio. Grilles. 220,857; Nov. 10.
Milan Cleanser Company. (See Fajolo, Louis.)
Millville Pharmacy and Houtmann Bros. (See Houtmann, Andrew P.)
Miltiades Melachrino, Inc., New York, N. Y. Cigarettes. 220,413; Nov. 10.
Mitchell & Frank Knitting Mills, Inc., Buffalo, N. Y. Bathing suits. 220,414; Nov. 10.
Molby, Walter D., doing business as Molby Mfg. Co., Baldwin City, Kans. Merry-go-rounds, swings, teeters, etc. 212,823; Nov. 10.
Morin, Charles A., Boston, Mass. Leather shoes. 219,295; Nov. 10.
Moranite Laboratories, The, Brooklyn, N. Y. Dentifrices. 207,025; Nov. 10.
Morwin Hosiery Co. (See Lowin, Maurice.)
Murrays Superior Products Co., Chicago, Ill. Hairdressing, hair pomade, and scalp treatment. 219,549; Nov. 10.
Mutual Benefit Health & Accident Association. (See Orwall, S. L.)
Myers, Charles R., Sebastopol, Calif. Wedding invitations, party and commercial announcements, business cards, etc. 217,410; Nov. 10.
N & W Overall Company, Inc., Lynchburg, Va. Overalls and coats. 216,983; Nov. 10.
National Association of Inventors, Seattle, Wash. Monthly publication. 219,980; Nov. 10.
National Egg Products Company, Los Angeles, Calif. Powder for making marshmallows. 166,896; Nov. 10.
National Net & Twine Co., Inc., East Haddam, Conn. Linen netting, sea-island-cotton gill netting, etc., and all kinds of twine used for fishing. 219,756; Nov. 10.
Nest-O-Line Company. (See Scowen, Agatha.)
New Era Optical Co., Chicago, Ill. Ophthalmic lenses. 220,564; Nov. 10.
New Fiction Publishing Corporation, New York, N. Y. Monthly publication. 218,197; Nov. 10.
New Jersey Motors, Inc., Keyport, N. J. Internal-combustion engines and parts thereof. 197,163; Nov. 10.
Nogues, Frank, Los Angeles, Calif. Varnish and mixed paint. 218,319; Nov 10
North Eastern Rubber Co, Elizabeth, N. J. Flaps for automobile rims. 193,118; Nov. 10.
Nova Sal Laboratories Inc., Brooklyn, N. Y. Laxative medicine. 216,071; Nov. 10.
Nova Sal Laboratories Inc., Brooklyn, N. Y. Preparation for the relief of pain. 218,869; Nov. 10.
Nu-Way Shoe Co., New York, N. Y. Shoes. 205,223; Nov. 10.
Oberlin Manufacturing Company, The, Oberlin, Ohio. Drill chucks. 218,716; Nov. 10.
Oklahoma Furniture Manufacturing Co., Oklahoma City, Okla. Furniture. 219,345; Nov. 10.
Old Colony Envelope Company, Westfield, Mass. Greeting and announcement cards. 219,196; Nov. 10.
Olsen, Olaf, et al., trustees. (See Lewis Manufacturing Company, assignor.)
Oneida Community Limited, Oneida, N. Y. Silver-plated flatware, tableware, cutlery, and hollow ware. 219,550; Nov. 10.
Orwall, S. L., doing business as Mutual Benefit Health & Accident Association, Chicago, Ill. Magazine published weekly. 219,836; Nov. 10.
Pacific Brotherhood Investment Company, The, Seattle, Wash. Monthly magazine. 219,406; Nov. 10.
Pacific Piston Ring Co., Los Angeles, Calif. Piston rings. 218,655–6; Nov. 10.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Paragon Paint & Varnish Corporation, Long Island City, N. Y. Ready-mixed paints and varnishes. 207,513; Nov. 10.
Parke, Davis & Company, Detroit, Mich. Anæsthetics. 203,003; Nov. 10.
Peelle, Willis J., doing business as Real Seal Co., Chicago, Ill. Jar caps or closures. 218,203; Nov. 10.
Pendergast Candy Company, Minneapolis, Minn. Candy bars. 213,783; Nov. 10.
Piver, L. T., Inc., Wilmington, Del., and New York, N. Y. Rouges and face powders. 220,420; Nov. 10.
Ponce de Leon Orange Mill Co., Des Moines, Iowa. Beverage. 219,407; Nov. 10.
Porter, Wm. B., doing business as The Ungol Company, McKeesport, Pa. Ointment for skin diseases. 220,571; Nov. 10.
Purdy, A. R., Company, Inc., New York, N. Y. Annealed cutter blanks, alloy steels, tool and drill steels, music wire for springs, etc. 194,478; Nov. 10.
Purity Cosmetic Co., Bemidji, Minn. Face cream. 220,137; Nov. 10.
Quaker Oil Products Corporation, Conshohocken, Pa. Lubricating oils and greases. 220,138; Nov. 10.
Raven Red Ash Coal Co., Inc., Red Ash, Va. Coal. 219,606; Nov. 10.
Rayon Publishing Corporation, New York, N. Y. Weekly publication. 219,493; Nov. 10.
Ready Reference Publishing Co., Inc., The, New York, N. Y. Semiannual publications. 219,843; Nov. 10.
Real Seal Co. (See Peelle, Willis J.)
Red Horse Mfg. Co. (See Scarborough, M. A.)
Régnier, Pierre, Moulangis, par Crecy-en-Brie, France. Table game board played with pieces. 217,884; Nov. 10.
Reiss-Premier Pipe Co., New York, N. Y. Pipes, cigar and cigarette holders, and hookahs. 220,141; Nov. 10.
Rhodes Bros. Incorporated, Tacoma, Wash. Toothbrushes. 218,429; Nov. 10.
Rich Tool Company, Chicago, Ill. Poppet valves for internal-combustion engines. 211,492; Nov. 10.
Roessler & Hasslacher Chemical Company, The, New York, N. Y. Chemicals used in the vulcanization of rubber. 220,254; Nov. 10.
Rosalyn Manufacturing Co. (See Melnick, David.)
Ross, Herbert O., St. Louis, Mo. Card, indexing, record- and filing systems and materials and equipment therefor. 203,840; Nov. 10.
Royal Flush Chemical Co., Illion, N. Y. Hair tonics. 219,351; Nov. 10.
Rubenstein, Sol H., doing business as Bar Merchandise Company, New York, N. Y. Hair nets. 219,846; Nov. 10.
Saad, Charles, Wheeling, W. Va. Overalls. 220,475; Nov. 10.
Safety Equipment Service Company, The, Cleveland, Ohio. Spectacles and goggles. 220,476–7; Nov. 10.
St. Louis Meramec Canoe Company, Valley Park, Mo. Boats, canoes, paddles, oars, etc. 215,599; Nov. 10.
Sample, Josie B., Eudora, Ark. Hairdressing such as pressing oil or a hair grower. 201,586; Nov. 10.
Sayles Finishing Plants Inc., Saylesville, R. I. Cotton piece goods. 221,208; Nov. 10.
Scaramelli & Company, Inc., doing business as Berto Packing Co., New York, N. Y. Canned fruits, vegetables, and fish, tomato sauce, and olive oil. 183,455; Nov. 10.
Scarborough, M. A., doing business as Red Horse Mfg. Co., Clarksville, Ark. Ointment for skin diseases. 219,090; Nov. 10.
Schanzenbach, J., and Company, Inc., New York, N. Y. Powdered Egyptian henna leaves, white henna, sage leaves, hair rinse, mineral oil, etc. 217,586; Nov. 10.
Schmid, Julius, Inc., New York, N. Y. Pacifiers. 219,145; Nov. 10.
Schneider & Hoffenberg, New York, N. Y. Boys' suits. 217,298; Nov. 10.
Scowen, Agatha, doing business as Nest-O-Line Company, New York, N. Y. Dandruff remedy. 220,090; Nov. 10.
Scully, D. B., Syrup Co., Chicago, Ill. Fruit preserves. 200,123; Nov. 10.
Seamless Rubber Company, Inc., The, New Haven, Conn. Atomizers, genuine seamless nipples, tissue finger cots, etc. 216,227; Nov. 10.
Serto Packing Co. (See Scaramelli & Company.)
Shane, C. B., Co., Chicago, Ill. Overcoats and topcoats. 219,208; Nov. 10.
Shrader, William J., Chicago, Ill. Beverage and sirups for making the same. 220,147; Nov. 10.
Siegel Brothers & Burnstine, New York, N. Y. Junior misses' coats. 219,458; Nov. 10.
Simon, Sidney M., doing business as Beach-Simon Co., Los Angeles, Calif. Canned fruit, vegetables, fish, and olives, bulk olives, and bottled olives. 220,579; Nov. 10.
Smalley, Kivlan & Outhank, Boston, Mass. Glass fruit jars. 219,784; Nov. 10.
Smokers Products, Inc., Newark, N. J. Tobacco cases or pouches. 221,140; Nov. 10.
Société Française Tréngolnik, Levallois-Perret, France. Rubber bulbs, water bottles, syringes, etc., and dental rubber. 181,653; Nov. 10.

Soodsma, Henry, & Company, Paterson, N. J. Canned fruits, vegetables, fish, and sirup, rice, spices, etc. 218,879; Nov. 10.
Sougelas, Theodore, & Co., New York, N. Y. Salves and ointments for the treatment of burns. 220,687; Nov. 10.
Southern Laboratories, Inc., West Point, Va. Preparation for external application in relieving fatigue and soreness and for use in bathing. 203,981; Nov. 10.
Spalding, A. G., & Bros., New York, N. Y. Adhesive tape, knee and ankle braces. 220,367; Nov. 10.
Standard Paper Manufacturing Co., Richmond, Va. White or colored bond writing paper coated on one side in white or colors. 215,758; Nov. 10.
Standard Textile Company. (See Kohn, Jacob.)
Standard Varnish Works, New York, N. Y. Ready-mixed paints. 217,968; Nov. 10.
Stehli Silks Corporation, New York, N. Y. Silk piece goods. 221,215; Nov. 10.
Stewart, Alex, Santa Cruz, Calif. Chicken breeding stock, chicks, and hatching eggs. 218,723; Nov. 10.
Stix, Baer & Fuller Co., St. Louis, Mo. Suits, topcoats, overcoats, felt and straw hats, gloves, hosiery, etc. 219,611; Nov. 10.
Storey, Virginia, doing business as Craig Chemical Company, Joplin, Mo. Medicinal preparation for the treatment of syphilis and kindred diseases. 220,258; Nov. 10.
Strong, Earle S., doing business as Marlebe Mfg. Co., Buffalo, N. Y. Medicated chewing gum. 217,371; Nov. 10.
Sullivan Company, The, Memphis, Tenn. Aluminum paint. 218,027; Nov. 10.
Sun Soap Products, Incorporated, Staten Island, New York, N. Y. Soap powders. 216,800; Nov. 10.
"Superlest" Limited, London, Ontario, Canada. Gasoline, kerosene, and lubricating oils and greases. 217,969; Nov. 10.
Swedish Produce Co., The, Chicago, Ill. Beverages. 220,260; Nov. 10.
Swift and Company, Chicago, Ill. Scouring powder. 207,696; Nov. 10.
Swift and Company, Chicago, Ill. Creamery butter. 213,050; Nov. 10.
Tames, Arturo, San Antonio, Tex. Hair pomade. 217,306; Nov. 10.
Taylor Instrument Companies, Rochester, N. Y. Pyrometers. 220,979; Nov. 10.
Tillman & Bendel, Inc., San Francisco, Calif. Canned string beans. 216,570; Nov. 10.
Tilly's Laboratory, Newark, N. J. Medicinal preparation used in the treatment of coughs, asthma, bronchitis, etc. 220,261; Nov. 10.
Tinsky, Samuel, New York, N. Y. Antiseptic preparation for the prevention of venereal diseases. 219,414; Nov. 10.
Tootal Broadhurst Lee Company Limited, Manchester, England. Table napkins, tablecloths, sheets, and pillowcases. 220,431; Nov. 10.
Traylance Mfg. & Importing Co., Inc., New York, N. Y. Ladies' underwear of knitted fabric and scarfs. 218,437; Nov. 10.
Treiber-Cahill Mfg. Co., Syracuse, N. Y. Paper fasteners. 213,534; Nov. 10.
Trimont Manufacturing Company Incorporated, Boston, Mass. Pipe wrenches, monkey and chain wrenches, pipe cutters, and pipe vises. 219,504; Nov. 10.
Triplex Manufacturing Corporation, Montpelier, Ind. Machines for projecting pictures. 213,815; Nov. 10.
Tydee Company, The. (See Duesing, Louis W.)
Ungol Company, The. (See Porter, Wm. B.)
Union Food Products Co., doing business as Farmaiola Products Co., New York, N. Y. Tomato sauce. 217,970; Nov. 10.
Union Francaise de Parfumerie et de Maroquinerie, Nice, France. Perfumes, viscous, liquid, and gaseous; perfumery, hair lotions, etc. 220,048–52; Nov. 10.
Unit Ventilation Co. Inc., College Point, N. Y. Ventilating units. 219,701; Nov. 10.
United States Fastener Company, Boston, Mass. Snap fasteners. 220,307; Nov. 10.
United Trade Publishing Company, Chicago, Ill. Monthly magazine. 219,702; Nov. 10.
Valentine & Company, New York, N. Y. First coating or surfacing for metal. 214,290; Nov. 10.
Van Tilburg, Vincent B., doing business as Van Tilburg Oil & Supply Co., Minneapolis, Minn. Washing powder. 220,002; Nov. 10.
Von Glahn, Elmer C., Corcoran, Calif. Children's wheeled play vehicles. 219,359; Nov. 10.
Wallace, Scott & Co., Limited, Cathcart, Glasgow, Scotland. Rainproof coats, hats, and caps, capes, jackets, etc. 214,193; Nov. 10.
Waterloo Milling Company. (See Ziebold, George W.)
Weldon Manufacturing Company, Grand Rapids, Mich. Portable fire extinguishers. 211,508; Nov. 10.
West Indies Fruit Importing Company, Chicago, Ill. Fresh pineapples. 216,242–3; Nov. 10.
West Lumber Company, Atlanta, Ga. Composition roofing, lumber, and shingles. 216,808; Nov. 10.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

## PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

West Lumber Company, Atlanta, Ga. Raw and boiled linseed oil, turpentine, and paint. 217,313; Nov. 10.
Westerly Textile Company, The, Westerly, R. I. Draperies and dress goods. 201,635; Nov. 10.
Widder Bros., New York, N. Y. Color card issued semi-annually on silks. 220,815; Nov. 10.
Wimelbacher & Rice, New York, N. Y. Fabric gloves. 217,594; Nov. 10.
Winston, Inc., Chicago, Ill. Monthly magazine. 219,466; Nov. 10.
Witzell Bros., Baltimore, Md. Deodorant cream. 220,985; Nov. 10.
Wolo A.-G., (Wolo Ltd.), Zurich, Switzerland. Remedy for acute catarrh of the nose and throat. 210,941; Nov. 10.
Wolo A.-G., (Wolo Ltd.), Zurich, Switzerland. Bath preparation of green pine needles. 210,944; Nov. 10.
Woodruff, George W., doing business as Woodruff Manufacturing Company, Winder, Ga. Work shirts and overalls. 218,441; Nov. 10.
Yates, P. B., Machine Company, Beloit, Wis. Knives for woodworking. 209,521; Nov. 10.
Zeiss, Carl, Jena, Germany. Telescopes and field glasses. 220,695; Nov. 10.
Zeiss, Carl, Jena, Germany. Telescopes and field glasses. 220,697; Nov. 10.
Ziebold, George W., doing business as Waterloo Milling Company, Waterloo, Ill. Wheat flour. 220,269; Nov. 10.
Zuaro, A., & Son, Brooklyn, N. Y. Loose-packed and canned macaroni. 220,055; Nov. 10.
Zuercher, C. E., & Co., Chicago, Ill. Imported Swiss Gruyère cheese. 208,629; Nov. 10.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

## CLASS 1.

Canaries, Live. F. W. Kaempfer. 205,605; Nov. 10; Serial No. 216,545; published Aug. 25, 1925.
Coal. Coal River Collieries. 205,610; Nov. 10; Serial No. 216,712; published Aug. 25, 1925.
Coal. Kearns Coal Company. 205,602; Nov. 10; Serial No. 216,680; published Aug. 25, 1925.
Cotton waste. Kilburn Mill. 205,494; Nov. 10; Serial No. 216,406; published Aug. 25, 1925.
Cotton waste. Kilburn Mill. 205,587–92; Nov. 10; Serial Nos. 216,399–404; published Aug. 25, 1925.
Cotton waste. Kilburn Mill. 205,597–9; Nov. 10; Serial Nos. 216,408–10; published Aug. 25, 1925.
Cotton waste. Kilburn Mill. 205,600; Nov. 10; Serial No. 216,407; published Aug. 25, 1925.
Cotton waste. Kilburn Mill. 205,601; Nov. 10; Serial No. 216,405; published Aug. 25, 1925.
Fiber, Coconut-tree-bark. Fibre Development Company. 205,595; Nov. 10; Serial No. 215,562; published Aug. 25, 1925.
Fiber, Flax. Fibre Development Company. 205,596; Nov. 10; Serial No. 215,561; published Aug. 25, 1925.
Fiber, Hemp. Fibre Development Company. 205,594; Nov. 10; Serial No. 215,563; published Aug. 25, 1925.
Fiber, Jute. Fibre Development Company. 205,593; Nov. 10; Serial No. 215,564; published Aug. 25, 1925.
Fiber, Ramie. Fibre Development Company. 205,499; Nov. 10; Serial No. 215,560; published Aug. 25, 1925.
Furs, Raw. Favorite Fur Dyeing and Dressing Co. 205,437; Nov. 10; Serial No. 214,540; published Aug. 4, 1925.
Parting powder. Keasbey & Mattison Company. 205,623; Nov. 10; Serial No. 214,082; published Aug. 25, 1925.
Parting powder. Keasbey & Mattison Company. 205,638; Nov. 10; Serial No. 214,081; published Aug. 25, 1925.
Plastic modeling materials. J. A. Bauer Pottery Co. 205,619; Nov. 10; Serial No. 213,683; published Aug. 25, 1925.
Splits, Chrome velvet ooze. Wright & Wright, Inc. 205,616; Nov. 10; Serial No. 213,608; published Aug. 25, 1925.

## CLASS 6.

Acid, Battery. L. E. Souder & Sons Mfg. Co. 205,448; Nov. 10; Serial No. 216,567; published Aug. 18, 1925.
Acidophilus bacilli, Concentrates of. H. K. Mulford Company. 205,541; Nov. 10; Serial No. 215,587; published Aug. 11, 1925.
Alcohol, Denatured. Brooklyn Alcohol Corporation. 205,673; Nov. 10.
Analgesic for local treatment in influenza, asthma, etc. Copeland & Company. 205,617; Nov. 10; Serial No. 213,616; published Aug. 18, 1925.
Antiseptic, germicide, and healing agent. Henry Heil Chemical Co. 45,705; renewed Aug. 29, 1925.
Antiseptic liquid. Hudson & Co. 49,565; renewed Feb. 13, 1926.
Astringent. F. N. Lewis. 205,534; Nov. 10; Serial No. 215,800; published Aug. 11, 1925.
Astringent. F. N. Lewis. 205,537; Nov. 10; Serial No. 215,796; published Aug. 11, 1925.
Astringent and antiseptic solution for halitosis. Johnson & Johnson. 205,490; Nov. 10; Serial No. 216,914; published Aug. 25, 1925.
Battery solution, Storage. G. J. Age & Co. 205,516; Nov. 10; Serial No. 213,945; published Aug. 18, 1925.
Camphor, aseptic, nitroglycerin, etc. Drug Products Co. 205,645; Nov. 10; Serial No. 208,524; published Aug. 25, 1925.
Cathartic. Eli Lilly & Company. 46,436; renewed Sept. 19, 1925.
Chemical composition as remedy for killing dandruff germs, etc. J. E. Nelson. 205,445; Nov. 10, 1925; Serial No. 216,630; published Aug. 18, 1925.
Chemical compound. Kleener Manufacturing Company. 205,544; Nov. 10; Serial No. 212,384; published Aug. 4, 1925.
Chemical for softening and finishing hosiery, silk-thread softener, etc. O. F. Zurn Company. 205,660; Nov. 10; Serial No. 206,761; published Mar. 31, 1925.
Chemical materials for use as catalyst. Mine Safety Appliances Company. 205,520; Nov. 10; Serial No. 215,581; published Aug. 18, 1925.
Chemical solution applied or designed to be applied to internal-combustion engines as a detonation counteractant. American Katalite Corporation. 205,501; Nov. 10; Serial No. 215,432; published Aug. 25, 1925.
Chemical solution to prevent rusting and discoloration of water. Richardson & Boynton Co. 205,625; Nov. 10; Serial No. 214,617; published Aug. 18, 1925.
Cologne. L. & G. Lengyel. 205,644; Nov. 10; Serial No. 209,226; published Aug. 25, 1925.
Compact cases, cologne, etc., Filled. Franklin Simon & Co. 205,618; Nov. 10; Serial No. 213,632; published Aug. 11, 1925.
Compact cases, refills for same, cologne, etc., Filled. Franklin Simon & Co. 205,667; Nov. 10; Serial No. 212,430; published Aug. 11, 1925.
Compounding ingredient and rubber softeners. Rubber Service Laboratories Company. 205,665; Nov. 10; Serial No. 209,751; published Aug. 18, 1925.
Cream, Hand. M. F. Jaeger. 205,497; Nov. 10; Serial No. 216,102; published Aug. 25, 1925.
Cream, Skin. F. N. Lewis. 205,536; Nov. 10; Serial No. 215,797; published Aug. 11, 1925.
Creams, powders, bath salts, etc., Face. Les Parfums de Rosine. 205,656; Nov. 10; Serial No. 201,296; published Aug. 25, 1925.
Dental preparation, Analgesic and antiseptic. Parke, Davis & Company. 205,487; Nov. 10; Serial No. 216,987; published Aug. 25, 1925.
Dye, Fur. Meisel Galland Company. 205,646; Nov. 10; Serial No. 207,945; published Aug. 25, 1925.
Dye, Fur. Meisel Galland Company. 205,647; Nov. 10; Serial No. 207,942; published Aug. 25, 1925.
Dye, Fur. Meisel Galland Company. 205,662; Nov. 10; Serial No. 207,944; published Aug. 25, 1925.
Eau de Cologne, perfumery, etc., Barnängens Teckn. Fabrikers A. B. 205,502; Nov. 10; Serial No. 172,721; published Aug. 11, 1925.
Engines, Preparation to destroy the carbon formed in internal-combustion. Emery Brothers, Inc. 205,538; Nov. 10; Serial No. 215,779; published Aug. 11, 1925.
Face lotion. C. Woul. 205,482; Nov. 10; Serial No. 217,126; published Aug. 25, 1925.
Flies, roaches, moth, etc., Liquid used to destroy. J. F. McMullin. 205,615; Nov. 10; Serial No. 213,589; published Aug. 25, 1925.
Germicide or antiseptic. Abbott Laboratories. 205,507; Nov. 10; Serial No. 205,188; published Aug. 11, 1925.
Hæmostatic. Flint, Eaton & Company. 205,510; Nov. 10; Serial No. 208,131; published Aug. 4, 1925.
Hair color restorer, Gray-. B. T. Gale. 205,611; Nov. 10; Serial No. 217,145; published Aug. 25, 1925.
Hairdressing. B. L. Allan. 205,671; Nov. 10; Serial No. 218,273; published Aug. 25, 1925.
Hairdressing. Bauer Mfg. Co. 205,452; Nov. 10; Serial No. 216,496; Aug. 18, 1925.
Hairdressing cream. I. Posner. 205,518; Nov. 10; Serial No. 215,178; published Aug. 25, 1925.
Hair preparations. H. Woodfork. 205,485; Nov. 10; Serial No. 217,125; published Aug. 25, 1925.
Hair tonic. Atlanta Barbers Supply Company. 205,447; Nov. 10; Serial No. 216,577; published Aug. 18, 1925.
Hair tonic. E. Garner. 205,627; Nov. 10; Serial No. 214,791; published Aug. 18, 1925.
Herb extracts, etc. E. Braun. 205,666; Nov. 10; Serial No. 210,221; published Aug. 18, 1925.



Herb preparation for tuberculosis, stomach disorders, and rheumatism. Mrs. J. E. Ward. 205,432; Nov. 10; Serial No. 214,001; published Aug. 4, 1925.
Injections for gonorrhea and gleet, cholera and diarrhea preparation, etc. Goyer Company. 205,655; Nov. 10; Serial No. 194,995; published Aug. 25, 1925.
Insecticides. Coopers Creek Chemical Company. 205,451; Nov. 10; Serial No. 216,508; published Aug. 18, 1925.
Insecticides. Paragon Chemical Company. 205,670; Nov. 10; Serial No. 213,038; published Aug. 11, 1925.
Insecticides and fungicides. New York Insecticide Co. 205,525; Nov. 10; Serial No. 216,471; published Aug. 11, 1925.
Insecticides and fungicides. Peninsular Chemical Co. 205,658; Nov. 10; Serial No. 204,668; published Jan. 6, 1925.
Laxatives. E. Gorodess. 205,450; Nov. 10; Serial No. 216,531; published Aug. 18, 1925.
Liniments. Penetrene Corporation. 205,555; Nov. 10; Serial No. 210,252; published Aug. 4, 1925.
Lotion, Skin. J. J. Owen. 205,628; Nov. 10; Serial No. 214,885; published Aug. 25, 1925.
Lye. Wm. Schield Mfg. Co. 205,527; Nov. 10; Serial No. 216,432; published Aug. 11, 1925.
Lye and potash. Champion Chemical Works, Inc. 45,040; renewed Aug. 1, 1925.
Lye, Powdered. Champion Chemical Works, Inc. 45,041; renewed Aug. 1, 1925.
Medical preparation for the relief of indigestion. Liquid. Royal Prescriptions Company. 205,517; Nov. 10; Serial No. 214,689; published Aug. 18, 1925.
Medicinal compound. Davis-Johnson Co. 205,454; Nov. 10; Serial No. 186,951; published Dec. 16, 1924.
Medicinal compound. Davis-Johnson Co. 205,455; Nov. 10; Serial No. 186,949; published Dec. 30, 1924.
Medicinal preparation for bronchitis, burns, eczema, etc. Pfeiffer Chemical Company. 205,692; Nov. 10.
Medicinal preparation for coughs, colds, etc. E. N. Harber. 205,683; Nov. 10.
Medicinal preparation for killing rats, roaches, etc. Pfeiffer Chemical Company. 205,691; Nov. 10.
Medicinal preparations. William R. Warner & Co. 48,899; renewed Jan. 16, 1926.
Medicinal tea. P. Wollner. 205,626; Nov. 10; Serial No. 214,765; published Aug. 11, 1925.
Medicine for coughs, colds, and pneumonia. J. G. Houck. 205,463; Nov. 10; Serial No. 216,180; published Aug. 4, 1925.
Medicine for restoration of sexual functions. D. S. O'Brien, M. D. 205,431; Nov. 10; Serial No. 213,854; published Aug. 4, 1925.
Medicines. A. H. Lewis Medicine Co. 48,188; renewed Dec. 12, 1925.
Medicines for headaches, hay fever, etc. Internationale Laboratorien Arlesheim A. G. 205,563; Nov. 10; Serial No. 205,830; published July 21, 1925.
Mineral substance employed in the treatment of rheumatism, malaria, etc. A. T. Emery. 205,498; Nov. 10; Serial No. 216,092; published Aug. 25, 1925.
Naphtha in block form. New Idea Air Purifier Co. 205,440; Nov. 10; Serial No. 214,674; published Aug. 4, 1925.
Nonfreezing solution for automobile radiators. Polar Products Company. 205,528; Nov. 10; Serial No. 216,429; published Aug. 11, 1925.
Oils for lubricating yarns. O. F. Zurn Company. 205,654; Nov. 10; Serial No. 186,536; published Feb. 19, 1924.
Ointment against venereal diseases. Preventive. M. Lemwert. 205,492; Nov. 10; Serial No. 216,787; published Aug. 25, 1925.
Ointments for the skin. F. N. Lewis. 205,681; Nov. 10.
Oxygen and carbon dioxides, Mixtures of. Mine Safety Appliances Company. 205,521; Nov. 10; Serial No. 215,580; published Aug. 18, 1925.
Pastes, powders, liquids, and perfumery. Société Anonyme des Etablissements Rouzaud "a la Marquise de Sévigné" Chocolat de Royat. 205,504; Nov. 10. Serial No. 198,591; published Mar. 31, 1925.
Perfume, cold cream, face powder, etc. Babbitt Co. 205,439; Nov. 10; Serial No. 214,639; published Aug. 4, 1925.
Perfumes and hygienic products. Franklin Simon & Co. 205,550; Nov. 10; Serial No. 211,673; published Aug. 4, 1925.
Perfumes, toilet waters, rouges, etc. Storfer Laboratories, Inc. 205,511; Nov. 10; Serial No. 210,320; published Aug. 18, 1925.
Petroleum jelly and catarrhal jelly. Benz Toilet Products, Inc. 205,496; Nov. 10; Serial No. 216,138; published Aug. 25, 1925.
Pharmaceutical preparation. O. G. Edwards. 205,612; Nov. 10; Serial No. 217,141; published Aug. 25, 1925.
Pills, Jelly for treatment of catarrh, vermin eradicator, etc. Hayunga's Pharmacy and Dundas Drug Company. 205,547; Nov. 10; Serial No. 212,000; published Aug. 4, 1925.
Potash and soda, bleaching powder, etc., Caustic. Niagara Alkali Company. 205,613; Nov. 10; Serial No. 215,216; published Aug. 25, 1925.
Powders and creams, toilet waters, rouges, etc., Face. Elcaya Company. 205,531; Nov. 10; Serial No. 216,165; published Aug. 18, 1925.
Powders, creams, and packs, rouges, perfumes, etc., Face. Vivi, Inc. 205,523–4; Nov. 10; Serial No. 216,489–90; published Aug. 18, 1925.
Powders, creams, and packs, toilet waters, etc., Face. Paris Laboratories. 205,522; Nov. 10; Serial No. 216,473; published Aug. 18, 1925.
Powders, lip and cheek rouge, perfumes, etc., Face and talcum. J. W. Morrisson. 205,578; Nov. 10; Serial No. 215,645; published Aug. 4, 1925.
Preparation for disguising the bitter or disagreable taste of medicines. Eli Lilly & Company. 46,486; renewed Sept. 19, 1925.
Preparation for headaches, rheumatism, etc. A. L. Pendleton. 205,614; Nov. 10; Serial No. 213,401; published Aug. 25, 1925.
Preparation for sore throat, coughs and colds, etc. Hance Brothers and White Incorporated. 205,622; Nov. 10; Serial No. 214,074; published Aug. 18, 1925.
Preparation for the skin. J. E. McBrady. 205,688; Nov. 10.
Preparation for the treatment of colds, catarrh, and asthma. C. S. Long. 205,540; Nov. 10; Serial No. 215,740; published Aug. 18, 1925.
Preparation for the treatment of the curable ailments of the kidneys, liver, etc. Dr. Kilmer & Co. 205,573; Nov. 10; Serial No. 215,524; published Aug. 4, 1925.
Preparation for the treatment of the hair. O. Harlo. 205,486; Nov. 10; Serial No. 217,093; published Aug. 25, 1925.
Preparation for the treatment of tuberculosis. Sisabo Drug Company. 205,491; Nov. 10; Serial No. 216,798; published Aug. 25, 1925.
Preparation for treatment of the hair and scalp. D. Mason. 205,664; Nov. 10; Serial No. 212,874; published Aug. 25, 1925.
Preparation to be used as an antiseptic, shampoo, etc. Undertakers' Supply Company. 205,624; Nov. 10; Serial No. 214,520; published Aug. 11, 1925.
Preparations for the treatment of coughs, colds, etc. Dr. Kilmer & Co. 205,571–2; Nov. 10; Serial Nos. 215,522–3; published Aug. 4, 1925.
Preparations for the treatment of headache, drowsiness, torpid liver, etc. Dr. Kilmer & Co. 205,509; Nov. 10; Serial No. 215,519; published Aug. 18, 1925.
Preparations for treating the hair. G. Bernstein. 205,533; Nov. 10; Serial No. 215,844; published Aug. 11, 1925.
Rat-exterminating preparation. Carpenter's Antiratum. 205,519; Nov. 10; Serial No. 215,551; published Aug. 11, 1925.
Rat virus. Parke, Davis & Company. 205,488; Nov. 10. Serial No. 216,986; published Aug. 25, 1925.
Remedies for coughs, colds, lung, and bronchial affections. Pineule Medicine Co. 47,280; renewed Oct. 31, 1925.
Remedy for asthma and asthmatic diseases. Wm. R. Warner & Co. 47,965; renewed Nov. 28, 1925.
Remedy for kidney, bladder, and rheumatic troubles. E. W. Hall. 46,644; renewed Sept. 26, 1925.
Remedy for skin diseases. S. E. L. B. Wilson. 205,441; Nov. 10, 1925; Serial No. 214,700; published Aug. 4, 1925.
Remedy for the treatment of obesity. E. C. Alexander. 205,648; Nov. 10; Serial No. 206,388; published Aug. 25, 1925.
Remedy, Pile. Wenner & Macary. 205,629; Nov. 10; Serial No. 214,904; published Aug. 25, 1925.
Rouge. F. N. Lewis. 205,535; Nov. 10; Serial No. 215,799; published Aug. 11, 1925.
Rouges. Vivi, Inc. 205,489; Nov. 10; Serial No. 216,951; published Aug. 25, 1925.
Salve for boils. H. Goldman. 205,690; Nov. 10.
Salve for skin diseases, syphilis, etc. M. Slater. 205,436; Nov. 10; Serial No. 214,507; published Aug. 4, 1925.
Salve or paste. Eli Lilly & Company. 45,791; renewed Aug. 29, 1925.
Shampoo preparation. Chas. W. Young & Co. 205,682; Nov. 10.
Sprays, insecticides, disinfectants, and deodorants. Hercules Chemical Co. 205,478; Nov. 10; Serial No. 197,541; published Dec. 9, 1924.
Starch, dextrin, and gums. W. L. Macomber & Co. 45,989; renewed Sept. 5, 1925.
Starch, Laundry. J. C. Hubinger Bros. Company. 205,630; Nov. 10; Serial No. 214,916; published Aug. 25, 1925.
Starch, Textile. Clinton Corn Syrup Refining Company. 205,539; Nov. 10; Serial No. 215,770; published Aug. 11, 1925.
Suppositories. Drug Products Co. 205,483; Nov. 10; Serial No. 217,140; published Aug. 25, 1925.
Suppositories, Vaginal. E. Gorodess. 205,449; Nov. 10; Serial No. 216,532; published Aug. 18, 1925.
Surgical dressing and antiseptic healing powder, Dry. H. K. Mulford Company. 205,526; Nov. 10; Serial No. 216,470; published Aug. 11, 1925.
Toilet and dermatological preparations. P. Mariscal. 205,564; Nov. 10; Serial No. 205,709; published Feb. 24, 1925.
Toilet article. Wrinkle-Ine Chemical Company. 205,509; Nov. 10; Serial No. 206,649; published Aug. 4, 1925.
Toilet articles. Les Parfums de Rosine. 205,505; Nov. 10; Serial No. 200,326; published Aug. 11, 1925.

Toilet preparations. Lentheric, Inc. 205,532; Nov. 10; Serial No. 215,862; published Aug. 11, 1925.
Tonic, Blood. A. F. Lippi. 205,446; Nov. 10; Serial No. 216,590; published Aug. 18, 1925.
Tonics, nervine, and sedatives. Dr. Miles Medical Co. 49,817; renewed Feb. 20, 1926.
Treatment for epilepsy. Reinschild Chemical Co. 205,668; Nov. 10; Serial No. 212,039; published Aug. 18, 1925.
Water softener. W. H. Hill. 205,506; Nov. 10; Serial No. 201,238; published Aug. 11, 1925.
Wood preservatives. W. P. Fuller & Co. 205,621; Nov. 10; Serial No. 214,071; published Aug. 25, 1925.
Wound dressing. Lehn & Fink, Inc. 205,642; Nov. 10; Serial No. 210,469; published Aug. 25, 1925.

CLASS 10.

Fertilizer. Norsk Hydro-Elektrisk Kvaelstofaktieselskab. 205,687; Nov. 10.
Guano. Tennessee Chemical Company. 48,093; renewed Dec. 12, 1925.

CLASS 12.

Cement, Portland. Helderberg Cement Co. 49,886; renewed Feb. 20, 1926.
Paper, Building. Barber Asphalt Company. 205,639; Nov. 10; Serial No. 214,049; published Aug. 25, 1925.
Plastic composition, Self-hardening. L. M. Moore. 205,603; Nov. 10; Serial No. 216,625; published Aug. 25, 1925.
Roof coating, elastic cement, liquid cement, and pitch. New Haven Gas Light Company. 205,640; Nov. 10; Serial No. 213,725; published Aug. 25, 1925.
Roof flashing. F. A. Warren. 205,643; Nov. 10; Serial No. 209,885; published Aug. 25, 1925.
Roofing. Paramine Companies, Inc. 205,652; Nov. 10; Serial No. 192,786; published Aug. 25, 1925.

CLASS 13.

Pipe for use in oil wells. Watson Pipe & Supply Co. 205,685; Nov. 10.
Valves, Steam and water. Fairbanks Co. 49,354; renewed Jan. 30, 1926.

CLASS 14.

Sheet metal and tin plate. Charcoal Iron Products Company. 205,672; Nov. 10; Serial No. 172,030; published Aug. 18, 1925.

CLASS 15.

Hydrocarbon fuels for automobiles, Liquid. Energine Company. 46,575; renewed Sept. 26, 1925.

CLASS 16.

Varnish stains. Glidden Varnish Company. 48,401; renewed Dec. 26, 1925.

CLASS 17.

Cigars. C. E. Miller. 45,226; renewed Aug. 8, 1925.
Cigars. Sanchez & Haya Co. 44,973; renewed Aug. 1, 1925.
Cigars. W. Schliep. 46,202; renewed Sept. 12, 1925.
Tobacco, Leaf. W. T. Grant & Co. 44,970; renewed Aug. 1, 1925.

CLASS 19.

Brakes and parts thereof and operating connections therefor. Bendix Brake Company. 205,609; Nov. 10; Serial No. 216,709; published Aug. 25, 1925.

CLASS 21.

Amplifier and detector radiotubes. W. T. Grant Company. 205,568; Nov. 10; Serial No. 215,248; published Aug. 18, 1925.
Batteries, Electric. National Carbon Company. 205,574; Nov. 10; Serial No. 215,526; published Aug. 25, 1925.
Battery plates and parts thereof. Storage-. Harrison Smith Company. 205,549; Nov. 10; Serial No. 211,745; published Aug. 25, 1925.
Brushes, Stranded shunt cables for. National Carbon Company. 205,420; Nov. 10; Serial No. 213,097; publish Aug. 18, 1925.
Electric drills and parts thereof, electric aerial grinders, etc., Portable. Black & Decker Manufacturing Co. 205,575–6; Nov. 10; Serial No. 215,548–9; published Aug. 4, 1925.
Electric generators. Roth Brothers & Company. 205,467; Nov. 10; Serial No. 216,643; published Aug. 25, 1925.
Electric-light units. Fullerton Electric Co. 205,556; Nov. 10; Serial No. 210,055; published June 9, 1925.
Electric starting and lighting apparatus, electric signal horns, etc. North East Electric Company. 205,542; Nov. 10; Serial No. 212,864; published Aug. 4, 1925.
Electric switches. Flush. Bryant Electric Company. 205,570; Nov. 10; Serial No. 215,503; published Aug. 25, 1925.
Electrical apparatus, Safety cut-off for. E. Meyer-Bochsler. 205,552; Nov. 10; Serial No. 211,219; published Aug. 4, 1925.
Horns and bases which support said horns. Winkler-Reichmann Company. 205,476; Nov. 10; Serial No. 198,551; published July 21, 1925.
Lamps, Portable electric. Greist Manufacturing Company. 205,468; Nov. 10; Serial No. 216,830; published Aug. 25, 1925.
Light-projecting devices, Electrically-operated tilting reflectors for. Federal Manufacturing Company. 205,503; Nov. 10; Serial No. 185,453; published Aug. 25, 1925.
Microphones, loud speakers, etc. Tri-Ergon A.-G. 205,558; Nov. 10; Serial No. 207,417; published Aug. 18, 1925.
Radio antennæ, Indoor. R. B. Scribner. 205,430; Nov. 10; Serial No. 213,149; published Aug. 25, 1925.
Radio apparatus. Marathon Radio Corporation. 205,557; Nov. 10; Serial No. 207,665; published Aug. 25, 1925.
Radio apparatus. Walart Electric Mfg. Co. 205,583; Nov. 10; Serial No. 215,763; published Aug. 25, 1925.
Radio apparatus and parts thereof, Condensers and sockets for vacuum tubes for. Nelson Tool Company. 205,553; Nov. 10; Serial No. 210,975; published Aug. 25, 1925.
Radio apparatus, Vacuum tubes for. Stewart-Warner Speedometer Corporation. 205,466; Nov. 10; Serial No. 216,486; published Aug. 25, 1925.
Radio apparatus, Variable condensers for. Fett and Kimmel Co. 205,581; Nov. 10; Serial No. 215,740; published Aug. 25, 1925.
Radio kits for complete radio receiving sets, receiving sets, and radio parts. Mayers, Hersberg, Corporation. 205,443; Nov. 10; Serial No. 214,880; published Aug. 11, 1925.
Radio loud speakers. Crosley Radio Corporation. 205,433; Nov. 10; Serial No. 214,015; published Aug. 25, 1925.
Radio receiving and transmitting sets and parts thereof. Richardson Radio, Incorporated. 205,442; Nov. 10; Serial No. 214,748; published Aug. 11, 1925.
Radio receiving sets. Air-Ola Radio Co. 205,569; Nov. 10; Serial No. 215,827; published Aug. 25, 1925.
Radio receiving sets. Hollywood Yale Corporation. 205,438; Nov. 10; Serial No. 214,549; published Aug. 25, 1925.
Radio receiving sets and accessories. R. B. Yale. 205,551; Nov. 10; Serial No. 211,436; published Aug. 25, 1925.
Radio receiving sets and parts. Reliance Radio Supply Company. 205,473; Nov. 10; Serial No. 203,836; published Aug. 25, 1925.
Radio receiving sets and parts thereof. Adams Morgan Company. 205,561; Nov. 10; Serial No. 206,711; published Mar. 10, 1925.
Radio receiving sets and parts thereof. Thermiodyne Research Laboratories, Inc. 205,470; Nov. 10; Serial No. 216,950; published Aug. 25, 1925.
Radio receiving sets, transformers, dials. Electrical Research Laboratories, Inc. 205,554; Nov. 10; Serial No. 210,372; published May 26, 1925.
Radio receiving sets, Transformers used in. Radio Industries Corporation. 205,579; Nov. 10; Serial No. 215,705; published Aug. 18, 1925.
Radio sets and apparatus. American Interstate Radio Service. 205,560; Nov. 10; Serial No. 206,760; published Apr. 7, 1925.
Radiotubes. C T Radio Corporation. 205,472; Nov. 10; Serial No. 217,206; published Aug. 25, 1925.
Sadirons, Electrically-heated. Landers, Frary & Clark. 205,435; Nov. 10; Serial No. 214,370; published Aug. 4, 1925.
Searchlights, Electric. American Fire Equipment Co. 205,469; Nov. 10; Serial No. 216,865; published Aug. 25, 1925.
Vacuum cleaners, Electric. Eureka Sales Company. 205,471; Nov. 10; Serial No. 216,969; published Aug. 25, 1925.
Wireless apparatus. Pittsburgh Radio and Appliance Company. 205,456; Nov. 10; Serial No. 183,667; published Aug. 11, 1925.

CLASS 22.

Golf clubs. James Heddon's Sons. 205,678; Nov. 10.

CLASS 23.

Jacks. Duff Manufacturing Company. 48,949; renewed Jan. 16, 1926.
Mowers and their component parts, Lawn. Coldwell Lawn Mower Co. 46,306–7; renewed Sept. 12, 1925.
Planters and beet drills, Corn and cotton. Moline Plow Co. 46,041; renewed Sept. 5, 1925.
Plows and cultivators. Moline Plow Co. 46,519; renewed Sept. 26, 1925.
Plows, cultivators, and harrows. Moline Plow Co. 46,518; renewed Sept. 26, 1925.
Surface and jet condensers. Wheeler Condenser & Engineering Co. 46,998; renewed Oct. 17, 1925.

CLASS 24.

Washboards. American Washboard Company. 47,296; renewed Oct. 31, 1925.
Washboards. American Washboard Company. 47,301; renewed Oct. 31, 1925.

CLASS 26.

Films, Printing. B. Day. 47,145; renewed Oct. 31, 1925.
Rules, Flexible folding. Chapin-Stephens Co. 44,899; renewed July 25, 1925.
Weighing machines and parts thereof. E. and T. Fairbanks and Company. 48,454; renewed Jan. 2, 1926.



CLASS 27.

Watches and watch parts. Hampden Watch Co. 45,899; renewed Aug. 15, 1925.

CLASS 29.

Mops. Tucker Duck & Rubber Co. 205,676; Nov. 10.

CLASS 33.

Glass chimneys, lantern globes, and reflectors. Gill Brothers Company. 45,624–6; renewed Aug. 22, 1925.
Glass chimneys, lantern globes, and reflectors. Gill Brothers Company. 45,627; renewed Aug. 22, 1925.
Lamp chimneys. Gill Brothers Company. 45,484; renewed Aug. 22, 1925.

CLASS 34.

Candlesticks, lamp stands, porthole lights, etc. Bakelite Corporation. 205,608; Nov. 10. Serial No. 216,815; published Aug. 25, 1925.
Stoves and ranges. Gem City Stove Co. 49,356; renewed Jan. 30, 1926.
Stoves, heaters, and furnaces, Wood and coal. Montag Stove Works. 205,604; Nov. 10; Serial No. 216,624; published Aug. 25, 1925.

CLASS 35.

Gaskets. Thornburgh-Universal Gasket Mfg. Corp. 205,686; Nov. 10.
Transmission, brake, and friction linings. World Bestos Corporation. 205,545; Nov. 10; Serial No. 212,358; published July 14, 1925.
Tubing, Flexible. Chicago Tubing & Braiding Co. 49,516; renewed Feb. 6, 1926.

CLASS 36.

Guitars and mandolins. Lyon & Healy. 48,483; renewed Jan. 2, 1926.

CLASS 37.

Paper, Writing. Whitaker Paper Company. 45,501; renewed Aug. 22, 1925.
Pens and pencils, Combination fountain. N. Micucci. 205,679; Nov. 10.

CLASS 38.

Magazine, Weekly. Guenther Publishing Company. 205,632; Nov. 10; Serial No. 215,149; published July 28, 1925.
Newspaper, Weekly. Billboard Publishing Company. 49,228; renewel Jan. 30, 1926.

CLASS 39.

Aprons and baby pants, Rubber and rubberized. Kase-Quinby Rubber Co. 205,669; Nov. 10; Serial No. 212,441; published Sept. 1, 1925.
Boots and shoes. Goldies Shoe Co. 205,567; Nov. 10; Serial No. 215,065; published Aug. 18, 1925.
Boots and shoes. Thomas H. Logan Co. 205,475; Nov. 10; Serial 200,363; published Aug. 25, 1925.
Boots and shoes, Leather. International Shoe Company. 205,680; Nov. 10.
Boots, shoes, and slippers. J. M. Daly. 205,453; Nov. 10; Serial No. 193,760; published Oct. 7, 1924.
Brassières and girdles. V. B. Brassiere Co. 205,546; Nov. 10; Serial No. 212,062; published Aug. 25, 1925.
Coats, suits, sweaters, and dresses. Jos. Engel Co. 205,631; Nov. 10; Serial No. 214,951; published Aug. 11, 1925.
Coats, vests, etc. Trivers Clothes Stores Corporation. 205,620; Nov. 10; Serial No. 214,000; published Sept. 1, 1925.
Corsets. Kops Bros. 47,883; renewed Nov. 28, 1925.
Corsets and brassières. Franco Corset Company. 205,585; Nov. 10; Serial No. 215,908; published Aug. 18, 1925.
Corsets, brassières, girdles, and hose supporters. Treo Company. 205,586; Nov. 10; Serial No. 215,952; published Aug. 18, 1925.
Corsets, corset waists, and steels. Kops Bros. 48,107; renewed Dec. 12, 1925.
Cravats and neckties. W. M. Quinn. 205,668; Nov. 10; Serial No. 208,483; published July 28, 1925.
Dresses. City Stores Company. 205,657; Nov. 10; Serial No. 202,882; published Sept. 1, 1925.
Garments, Women's combination. Mike Weinberg Dress Company. 205,457; Nov. 10; Serial No. 179,248; published Aug. 25, 1925.
Gloves. Boss Manufacturing Company. 205,480; Nov. 10; Serial No. 194,521; published Nov. 11, 1924.
Gloves. Boss Manufacturing Company. 205,481; Nov. 10; Serial No. 194,518; published Nov. 11, 1924.
Gloves. C. D. Osborn Co. 205,513–5; Nov. 10; Serial Nos. 211,695–7; published Aug. 18, 1925.
Gloves. Wells-Lamont Mfg. Co. 205,461; Nov. 10; Serial No. 216,081; published Aug. 25, 1925.
Gloves, Men's. O. C. Hansen Manufacturing Co. 205,565; Nov. 10; Serial No. 211,469; published Aug. 18, 1925.
Hats. Mallory Hat Company. 205,464; Nov. 10; Serial No. 216,277; published Aug. 25, 1925.
Hats and caps. John B. Stetson Company. 46,263; renewed Sept. 12, 1925.
Hats for women. Chicago Bargain House. 205,479; Nov. 10; Serial No. 197,256; published Nov. 25, 1924. 1924.
Hats, Ladies'. Lichtenstein & Liberman, Inc. 205,566; Nov. 10; Serial No. 216,057; published Aug. 25, 1925.
Hats, Ladies'. S. Perlysky. 205,559; Nov. 10; Serial No. 208,822; published Aug. 18, 1925.
Hats, Ladies'. Rainbow Inc. 205,465; Nov. 10; Serial No. 216,289; published Aug. 25, 1925.
Hats, Ladies' and Misses'. Standard Hat Company. 205,434; Nov. 10; Serial No. 214,219; published Aug. 18, 1925.
Hats, Men's. N. S. Sherwin. 205,444; Nov. 10; Serial No. 215,027; published Aug. 18, 1925.
Heel insert, Shaped. Gotham Silk Hosiery Co. 205,543; Nov. 10; Serial No. 212,605; published Aug. 18, 1925.
Hosiery, undershirts, and drawers. J. W. Mettler. 49,830; renewed Feb. 20, 1926.
Lingerie and brassières. Alyear Silks, Inc. 205,462; Nov. 10; Serial No. 216,133; published Aug. 25, 1925.
Mufflers and scarfs. N. P. & J. Trabulsi. 205,495; Nov. 10; Serial Nos. 216,301–3; published Aug. 25, 1925.
Mufflers and scarfs. N. P. & J. Trabulsi. 205,530; Nov. 10; Serial No. 216,302; published Aug. 25, 1925.
Overalls. E. A. Jones. 205,529; Nov. 10; Serial No. 216,344; published Aug. 25, 1925.
Shoes, Fair Dry Goods Company. 205,477; Nov. 10; Serial No. 198,128; published Aug. 25, 1925.
Shoes. Gunnerson Shoe Co. 205,577; Nov. 10; Serial No. 215,567; published Aug. 25, 1925.
Shoes. Hamilton, Brown Shoe Company. 205,458; Nov. 10; Serial No. 176,988; published Aug. 18, 1925.
Shoes. Hofheimer Brothers Company. 205,474; Nov. 10; Serial No. 208,125; published Aug. 18, 1925.
Shoes. Mensies Shoe Company. 205,428; Nov. 10; Serial No. 213,024; published Aug. 18, 1925.
Shoes. Nu-Way Shoe Co. 205,508; Nov. 10; Serial No. 205,224; published Aug. 25, 1925.
Shoes and slippers. A. J. Bates Company. 205,460; Nov. 10; Serial No. 148,704; published Jan. 24, 1922.
Shoes, Children's. Hagerstown Shoe & Legging Co. 205,584; Nov. 10; Serial No. 215,786; published Aug. 18, 1925.
Shoes, Men's and boys'. Hamilton, Brown Shoe Company. 205,653; Nov. 10; Serial No. 176,972; published Aug. 18, 1925.
Shoes, Women's. S. Urban. 205,580; Nov. 10; Serial No. 215,719; published Aug. 18, 1925.
Soles, taps, and slip soles, Leather. Penn Leather Company. 205,548; Nov. 10; Serial No. 211,757; published Aug. 25, 1925.
Suits, Boys' outer. I. D. Abrahams. 205,661; Nov. 10; Serial No. 207,841; published Sept. 1, 1925.
Suits, outer coasts, overcoats, knickers, etc., Men's. Fruhauf Bros. & Co. 205,512; Nov. 10; Serial No. 211,162; published Aug. 25, 1925.
Underwear, Knit. Northwestern Knitting Company. 49,004; renewed Jan. 16, 1926.

CLASS 40.

Dress shields. I. B. Kleinert Rubber Co. 48,993; renewed Jan. 16, 1926.
Hooks and eyes. De Long Hook & Eye Company. 47,393; renewed Oct. 31, 1925.
Hooks and eyes. De Long Hook & Eye Company. 47,756; renewed Nov. 21, 1925.

CLASS 42.

Jute bagging. Ludlow Manufacturing Associates. 48,996–8; renewed Jan. 16, 1926.
Jute bagging. Ludlow Manufacturing Associates. 48,998; renewed Jan. 16, 1926.
Painted voiles. Marshall Field & Company. 205,689; Nov. 10.
Suitings for men and boys. Thomas Oakes & Co. 49,240; renewed Jan. 30, 1926.
Voile in the piece, Cotton. Voss & Stern. 205,674; Nov. 10.

CLASS 45.

Beverage. Dr. A. W. Deane. 205,684; Nov. 10.
Drinks, Maltless powder preparation for making soft. J. Mulligan. 205,582; Nov. 10; Serial No. 215,751; published Aug. 18, 1925.
Water. City Ice Delivery Co. 46,368; renewed Sept. 12, 1925.

CLASS 46.

Beef juice. Bovinine Company. 48,863; renewed Jan. 16, 1926.
Candied fruit. Flomart, Inc. 205,641; Nov. 10; Serial No. 211,259; published Aug. 25, 1925.
Candies and chocolates. E. W. Dunstan. 46,256; renewed Sept. 12, 1925.
Candy. Sweets Company of America, Inc. 205,562; Nov. 10; Serial No. 206,262; published Apr. 28, 1925.
Canned corn, beans, and succotash. H. C. Baxter. 45,882; renewed Aug. 29, 1925.
Canned evaporated milk. Van Camp Packing Company. 205,633; Nov. 10; Serial No. 215,541; published Aug. 25, 1925.

Canned fruits and vegetables. H. C. Baxter. 46,546; renewed Sept. 26, 1925.
Cereals, Breakfast. J. M. Ruthrauff. 205,459; Nov. 10; Serial No. 178,918; published Aug. 18, 1925.
Coffee. Meyer Brothers Coffee and Spices Company. 48,932; renewed Jan. 16, 1926.
Coffee. Meyer Brothers Coffee and Spice Company. 49,001–2; renewed Jan. 16, 1926.
Coffee and butter. Cleveland Retail Grocers Association. 205,651; Nov. 10; Serial No. 197,361; published Aug. 25, 1925.
Confections. C. Repetti. 45,350; renewed Aug. 15, 1925.
Confections and a thinner for such coating, Coating for. L. G. Zuckerman. 205,634; Nov. 10; Serial No. 215,430; published Aug. 25, 1925.
Crackers. Standard Biscuit Company. 205,675; Nov. 10.
Flavoring extracts. Citizens' Wholesale Supply Co. 48,270; renewed Dec. 19, 1925.
Flour. Galesville Milling Company. 45,562; renewed Aug. 22, 1925.
Flour, Wheat. S. Hamill Company. 49,350; renewed Jan. 30, 1926.
Flour, Wheat. Hungarian Milling & Elevator Company. 45,499; renewed Aug. 22, 1925.
Flour, Wheat. Pillsbury-Washburn Flour Mills Company. 44,818; renewed July 25, 1925.
Flour, Wheat. Pillsbury-Washburn Flour Mills Company. 45,179–82; renewed Aug. 8, 1925.
Flour, Wheat. Pillsbury-Washburn Flour Mills Company. 45,744; renewed Aug. 29, 1925.
Flour, Wheat. Pillsbury-Washburn Flour Mills Company. 45,927; renewed Aug. 29, 1925.
Flour, Wheat. Pillsbury-Washburn Flour Mills Company. 47,236; renewed Oct. 31, 1925.
Flour, Wheat. Pillsbury-Washburn Flour Mills Company. 47,530; renewed Nov. 7, 1925.
Jellies, jams, fruit butters, preserves, and pickles. Squire Dingee Company. 205,659; Nov. 10; Serial No. 205,793; published Aug. 25, 1925.
Malt extract. J. Gaubas. 205,607; Nov. 10; Serial No. 217,022; published Aug. 25, 1925.
Molasses, table sirup, and sorghum. Alexander Molasses Company. 205,636; Nov. 10; Serial No. 215,038; published Aug. 25, 1925.
Olives, figs, etc. Albers Packing Company. 205,677; Nov. 10, 1925.
Pork, beef, veal, and mutton, canned vegetables and fruits. Julius Sostmann & Sons, Inc. 205,649; Nov. 10; Serial No. 203,844; published Aug. 25, 1925.
Sirup, Malt. Hoffman & Blumenau. 205,493; Nov. 10; Serial No. 216,547; published Aug. 25, 1925.
Spice, Pastry. Knickerbocker Mills Co. 205,606; Nov. 10; Serial No. 216,681; published Aug. 25, 1925.
Sugar. Imperial Sugar Company. 205,637; Nov. 10; Serial No. 214,917; published Aug. 25, 1925.
Sugar. A. Leo. 205,484; Nov. 10; Serial No. 217,164; published Aug. 25, 1925.

CLASS 48.

Beer and bottled beer, Lager. Terre Haute Brewing Co. 48,943; renewed Jan. 16, 1926.

CLASS 49.

Whisky. Tom Moore Distillery, (Inc.). 47,398; renewed Oct. 31, 1925.

CLASS 50.

Figures, Wax. S. Younger. 205,635; Nov. 10; Serial No. 215,390; published Aug. 25, 1925.
Garment hangers. Star-Service Hanger Co. 205,650; Nov. 10; Serial No. 200,016; published Aug. 25, 1925.

## ALPHABETICAL LIST OF LABELS.

Ace Nail Polish. For Nail Polish. A. E. Ciarlante. 29,448; Nov. 10.
Black Crusader. For Oranges. Asuza Citrus Association. 29,446; Nov. 10.
Blue Globe. For Oranges. Riverside Heights Orange Growers Association. 29,471; Nov. 10.
C M Grape Soda. For Grape Soda. C. W. Meisezahl. 29,456; Nov. 10.
Clairemont Air-Tite Eggs. For Eggs. Clairemont Sterilised Egg Co. 29,449; Nov. 10.
Colonial Brand Ice Cream. For Ice Cream. Menasha Printing and Carton Company. 29,459; Nov. 10.
Delicious Brand Ice Cream. For Ice Cream. Menasha Printing and Carton Company. 29,457; Nov. 10.
Duco Smoking and Chewing Tobacco. For Tobacco. Penn Tobacco Company. 29,468; Nov. 10.
E Easy Z. For Auto and Furniture Polish. J. G. Schneider. 29,473; Nov. 10.
Fliers Hosiery. For Hosiery. Shriro Brothers, Inc. 29,474; Nov. 10.
Fo-Mo. For a Dandruff Remover. T. H. Nell. 29,464; Nov. 10.
Fracy Paris—France. For Face Powder. F. R. Arnold & Co. 29,445; Nov. 10.
Hollywood Dry. For Ginger Ale. W. G. Luts. 29,454; Nov. 10.
Invisible Truss Kumfort Kushion Pad. For Trusses. United States Truss Co. 29,477; Nov. 10.
Little Tots Apple Game. For a Game. Stoll & Edwards Co. 29,475; Nov. 10.
Lockenbohl Confections Good to The Last Grain Eat It All. For Confections. D. Locke. 29,452; Nov. 10.
Luxury Brand Butter. For Butter. Menasha Printing and Carton Company. 29,458; Nov. 10.
Maltoat The Perfected Milk Modifier For Infants and Convalescents. For Maltoat the Perfected Milk Modifier. Maltoat Products Company. 29,455; Nov. 10.
Mary Wayne. For Candy. Helt-Miller-Lau Co. 29,451; Nov. 10.
Modern Middie Blouse. For Middy Blouses. N. Weiss. 29,478; Nov. 10.
Mrs. Graf's Review Chocolates. For Candy. Milwaukee Paper Box Co. 29,462; Nov. 10.
Our Own Scrap-Book. For a Scrapbook. Stoll & Edwards Co. 29,476; Nov. 10.
Peek-O-Scope. For an Optical Toy. L. J. Edick. 29,450; Nov. 10.
Penco Smoking & Chewing Tobacco. For Tobacco. Penn Tobacco Company. 29,465; Nov. 10.
Penns Special Smoking and Chewing Tobacco. For Tobacco. Penn Tobacco Company. 29,469; Nov. 10.
Penns Stripped Smoking and Chewing Tobacco. For Tobacco. Penn Tobacco Company. 29,466; Nov. 10.
Planet. For Oranges. Santiago Orange Growers Association. 29,472; Nov. 10.
Red Circle Bitter Sweet Chocolates. For Candy. Milwaukee Paper Box Co. 29,461; Nov. 10.
Red Circle Dates And Brazils. For Candy. Milwaukee Paper Box Co. 29,460; Nov. 10.
Red Globe. For Oranges. Riverside Heights Orange Growers Association. 29,470; Nov. 10.
Sterling Finest Quality Stripped Mild Smoking Tobacco. For Tobacco. Penn Tobacco Company. 29,467; Nov. 10.
The Minute Chemical Patch. For Chemical Patches. Minute Chemical Patch Company. 29,463; Nov. 10.
Winsonia. For Hosiery. J. E. Luddy. 29,453; Nov. 10.
World's Wonder Hair Restorer. For a Scalp and Hair Tonic. Becwhe Laboratories, Inc. 29,447; Nov. 10.

## ALPHABETICAL LIST OF PRINTS.

A Health record to brag about! That of Senator Arthur Capper. For Wheat Breakfast Food. Cream of Wheat Co. 8,309; Nov. 10.
Flit. For Insecticide. Standard Oil Company (N. J.). 8,314; Nov. 10.
Good—(wingfoot)—Year Good Wear Made with Supertwist. For Vehicle Tires Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 8,310; Nov. 10.
J-T Memometer. For Memometers. J-T Memometer Manufacturing Company. 8,311; Nov. 10.
Karess Complexion Specialties. For Complexion Specialties. Woodworth, Inc. 8,316; Nov. 10.
New Era Mixer. For Mixing Machines. American Oven & Machine Co. 8,308; Nov. 10.
Post's Bran Flakes as an Ounce of Prevention. For Bran Flakes. Postum Cereal Company. 8,313; Nov. 10.
St. Clair Super Anthracite Coal. For Coal. St. Clair Coal Company. 8,315; Nov. 10.
Skin-Health Face Powder. For Face Powder. A. J. Krank. 8,312; Nov. 10.
Tuban Tyre. For Tires and Tubes. J. R. Young. 8,317; Nov. 10.

# CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Raven Red Ash Coal Co. 219,606; Nov. 10.
Coal, Anthracite. Delaware, Lackawanna & Western Coal Company. 217,335; Nov. 10.
Leather, Colored. J. H. Epstein A. G. 219,822; Nov. 10.
Resin. Forest Department of the Federated Malay States Government. 216,672; Nov. 10.
Seeds, Field. Illinois Crop Improvement Association. 207,680; Nov. 10.

CLASS 2.

Burial vault. A. C. Fritz. 220,287; Nov. 10.

CLASS 3.

Cases, Traveling. Kase-Quinby Rubber Co. 215,372; Nov. 10.

CLASS 4.

Cleaning compound. L. W. Gibson. 217,222; Nov. 10.
Cleaning fluid used as a dry cleaner. J. A. Buttny. 219,527; Nov. 10.
Scouring powder. Swift and Company. 207,696; Nov. 10.
Soap powders. Sun Soap Products, Incorporated. 216,300; Nov. 10.
Soap, Shampoo. F. W. Barber. 216,184; Nov. 10.
Washing fluid. L. Fajolo. 217,870; Nov. 10.
Washing powder. V. B. Van Tilburg. 220,002; Nov. 10.

CLASS 6.

Anæsthetics. Parke, Davis & Company. 203,003; Nov. 10.
Antiseptic. R. O. Bricker. 217,448; Nov. 10.
Antiseptic and prophylactic for treatment of leucorrhea, etc., and diseases of the female organs. J. F. Hrejsa. 216,537–8; Nov. 10.
Antiseptic preparation. S. Tinsky. 219,414; Nov. 10.
Bath preparation of green pine needles. Wolo A.-G., (Wolo Ltd.). 210,944; Nov. 10.
Chemicals used in the vulcanization of rubber. Roessler & Hasslacher Chemical Company. 220,254; Nov. 10.
Composition to assist in dyeing operations. S. M. Hermann. 220,456; Nov. 10.
Compound for cleaning automobile radiators. Industrial Water Treatment Co. 220,343; Nov. 10.
Compound for radiators, Antifreezing. Freezno Company. 220,125; Nov. 10.
Cough expectorant. Foster Laboratory. 219,663; Nov. 10.
Cough sirups. A. P. Houtmann. 220,535; Nov. 10.
Cream, Face. Purity Cosmetic Co. 220,137; Nov. 10.
Dandruff remedy. A. Scowen. 220,090; Nov. 10.
Dentifrices. Mornanite Laboratories. 207,025; Nov. 10.
Deodorant and preventive of perspiration. E. M. Davis. 220,181; Nov. 10.
Deodorant cream. Witsell Bros. 220,985; Nov. 10.
Gum for the relief of acid or sour stomach, Chewing. Bi-Car-Gum Co. 220,491; Nov. 10.
Hairdressing. J. B. Sample. 201,586; Nov. 10.
Hairdressing, hair pomade, and scalp treatment. Murrays Superior Products Co. 219,549; Nov. 10.
Hair pomade. A. Tamez. 217,806; Nov. 10.
Hair tonics. Royal Flush Chemical Co. 219,351; Nov. 10.
Henna leaves, Germany camomile flowers, sage leaves, etc. J. Schansenbach and Company. 217,586; Nov. 10.
Insecticide. Avri Drug & Chemical Company. 220,333; Nov. 10.
Laxative and cathartic. I. E. Emerson. 220,019; Nov. 10.
Laxative medicine. Dill Company. 220,182; Nov. 10.
Laxative medicine. Nova Sal Laboratories Inc. 216,071; Nov. 10.
Liniment. Beltona Limited. 216,765; Nov. 10.
Liniment. H. F. Fish. 220,945; Nov. 10.
Liquid for preparing sheet metal for pickling, etc. Allied Industrial Products Co. 214,307; Nov. 10.
Medicated chewing gum. E. S. Strong. 217,371; Nov. 10.
Medicinal plaster. J. P. S. Grisi. 203,332; Nov. 10.
Medicinal preparation. J. F. Justin. 219,395; Nov. 10.
Medicinal preparation. V. Storey. 220,258; Nov. 10.
Medicinal preparation. Tilly's Laboratory. 220,261; Nov. 10.
Medicinal preparation for poultry. E. F. Leland. 220,346; Nov. 10.
Medicine for stomach, liver, and kidney trouble. Mar-O-Vel Company. 216,620; Nov. 10.
Ointment. N. Diamond. 220,941; Nov. 10.
Ointment for skin diseases. W. B. Porter. 220,571; Nov. 10.
Ointment for skin diseases. M. A. Scarborough. 219,090; Nov. 10.
Perfumes. D. Jaquet. 220,952–7; Nov. 10.
Perfumes, facial and hair lotions, etc. Union Francaise de Parfumerie et de Maroquinerie. 220,048–52; Nov. 10.
Perfumes, toilet waters, face, dusting, and talcum powders, etc. Cheramy, Inc. 220,445; Nov. 10.
Preparation for external application. Southern Laboratories, Inc. 203,981; Nov. 10.
Preparation for neurasthenia. Marius Fraisse and Co. 217,019; Nov. 10.
Preparation for the relief of pain. Nova Sal Laboratories Inc. 218,869; Nov. 10.
Preparation for the treatment of anæmia. Marius Fraisse and Co. 217,020; Nov. 10.
Preparation for the treatment of arteriosclerosis. Marius Fraisse and Co. 217,017; Nov. 10.
Preparation for the treatment of syphilis. Marius Fraisse and Co. 217,018; Nov. 10.
Remedy for acute catarrh. Wolo A.-G., (Wollo Ltd.). 210,941; Nov. 10.
Rodenticides. Bayer Company. 220,391; Nov. 10.
Rouges and face powders. L. T. Piver, Inc. 220,420; Nov. 10.
Salts, Bath. F. N. Lewis. 220,661; Nov. 10.
Salves and ointments. Theodore Bougelas & Co. 220,687; Nov. 10.
Soldering fluxes. Grasselli Chemical Company. 220,227; Nov. 10.
Toilet cream. La Verne Beauty Products. 220,845; Nov. 10.
Toilet preparations. A. W. Joslyn. 207,788; Nov. 10.
Tonic, Hair. M. M. Fieron & Son, Inc. 219,387; Nov. 10.

CLASS 7.

Netting and fishing twine, Linen, sea-island-cotton gill, and cotton. National Net & Twine Co. 219,756; Nov. 10.

CLASS 8.

Pipes, cigar and cigarette holders, and hookahs. Reiss-Premier Pipe Co. 220,141; Nov. 10.
Tobacco cases or pouches. Smokers Products, Inc. 221,140; Nov. 10.

CLASS 10.

Fertilizing material. F. M. Lawrence. 220,963; Nov. 10.

CLASS 12.

Asphalt, Mulsified. Baldwin-Tarvin Company. 218,156; Nov. 10.
Roofing, lumber, and shingles, Composition. West Lumber Company. 216,808; Nov. 10.

CLASS 13.

Faucets. George W. Cooke Co. 220,840; Nov. 10.
Grilles. Fred J. Meyers Manufacturing Co. 220,857; Nov. 10.
Lavatories, closet bowls, etc. Kohler Company. 220,904; Nov. 10.
Rivets. Crescent Belt Fastener Company. 220,642; Nov. 10.
Rivets. Crescent Belt Fastener Company. 220,644–5; Nov. 10.

CLASS 14.

Castings. Bohn Aluminum & Brass Corporation. 220,883; Nov. 10.
Cutter blanks, alloy steels, sheet steel, etc., Annealed. A. R. Purdy Company. 194,478; Nov. 10.

CLASS 15.

Gasoline and kerosene. Dorn Oil Company. 183,260; Nov. 10.
Gasoline, kerosene, and lubricating oils and greases. "Supertest" Limited. 217,969; Nov. 10.
Lubricant, Domestic. Gulf Refining Company. 216,675; Nov. 10.
Oils and greases. Central Commercial Company. 183,363; Nov. 10.
Oils and greases, Lubricating. Quaker Oil Products Corporation. 220,138; Nov. 10.

CLASS 16.

Coating or surfacing for metal, First. Valentine & Company. 214,290; Nov. 10.
Enamel, floor oil, and aluminum bronze, Tire. S. J. Dalzelle. 219,064; Nov. 10.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Oil, turpentine, and paints, Raw linseed and boiled linseed. West Lumber Company. 217,313; Nov. 10.
Paint, Aluminum. Sullivan Company. 218,027; Nov. 10.
Paint, Flat Wall. Amalgamated Paint Company. 219,511; Nov. 10.
Paint, Ready-mixed. Davis Paint Company. 218,953; Nov. 10.
Paints and varnishes, Ready-mixed. Paragon Paint & Varnish Corporation. 207,513; Nov. 10.
Paints, Ready-mixed. Standard Varnish Works. 217,968; Nov. 10.
Polishes, Liquid automobile. Kleinberger & Comp. Aktiengeselischaft. 206,905; Nov. 10.
Varnish and mixed paint. F. Nogues. 218,319; Nov. 10.

CLASS 17.

Cigarettes. Miltiades Melachrino, Inc. 220,413; Nov. 10.
Cigars. Bayuk Cigars Incorporated. 220,172; Nov. 10.
Tobacco. W. A. Brown Tobacco Company. 215,502; Nov. 10.

CLASS 19.

Boats, canoes, oars, etc. St. Louis Meramec Canoe Company. 215,599; Nov. 10.
Bumpers. C. G. Spring and Bumper Company. 220,206; Nov. 10.

CLASS 21.

Head phones and loud speakers. Best Mfg. Co. 215,128; Nov. 10.
Lead wires. Federal Gauge Co. 218,692; Nov. 10.

CLASS 22.

Bowling-alley pin setters and supplies and equipment therefor. Brunswick-Balke-Collender Company. 202,609; Nov. 10.
Game played with pieces, Table board. P. Régnier. 217,834; Nov. 10.
Golf clubs and balls and baseball bats. Hillerich & Bradsby Co. 211,357; Nov. 10.
Merry-go-rounds, swings, teeters, etc. W. D. Molby. 212,822; Nov. 10.
Railroads, Miniature. American Flyer Mfg. Co. 220,102; Nov. 10.
Toys, Mechanical. Huber-Sweet Mfg. Co. 219,432; Nov. 10.
Vehicles, Children's wheeled play. E. C. von Glahn. 219,359; Nov. 10.

CLASS 23.

Drill chucks. Oberlin Manufacturing Company. 218,716; Nov. 10.
Engines and parts thereof, Internal-combustion. New Jersey Motors, Inc. 197,168; Nov. 10.
Fire extinguishers, Portable. Weldon Manufacturing Company. 211,508; Nov. 10.
Knife, Pocket, desk, or sewing-basket. Kwik-Kut Knife Company. 206,242; Nov. 10.
Knives for woodworking. P. B. Yates Machine Company. 208,521; Nov. 10.
Sealers, Mail-marking and envelope. International Postal Supply Co. 217,345; Nov. 10.
Valves for internal-combustion engines, Poppet. Rich Tool Company. 211,492; Nov. 10.
Wrenches, pipe cutters, and vises. Trimont Manufacturing Company. 219,504; Nov. 10.

CLASS 26.

Lens-measuring gauges. Federal Products Corporation. 218,805; Nov. 10.
Lenses, Ophthalmic. New Era Optical Co. 220,564; Nov. 10.
Measuring fine aggregates for concrete, Machines for. Blaw-Knox Company. 217,202; Nov. 10.
Pictures, Machines for projecting. Triplex Manufacturing Corporation. 213,815; Nov. 10.
Postage-metering machines. International Postal Supply Co. 217,346; Nov. 10.
Pyrometers. Taylor Instrument Companies. 220,979; Nov. 10.
Spectacles and goggles, Safety Eqipment Service Company. 220,476–7; Nov. 10.
Telescopes and field glasses. Carl Zeiss. 220,695; Nov. 10.
Telescopes and field glasses. Carl Zeiss. 220,697; Nov. 10.
Thermostatic device. Honeywell Heating Specialties Co. 217,879; Nov. 10.

CLASS 28.

Silver-plated flatware, tableware, cutlery, and hollow ware. Oneida Community Limited. 219,550; Nov. 10.

CLASS 29.

Toothbrushes. Forhan Company. 210,544; Nov. 10.
Toothbrushes. Rhodes Bros. Incorporated. 218,429; Nov. 10.

CLASS 32.

Chairs, settees, coaches, tables, etc. Buoyant Upholstery Company. 215,400; Nov. 10.
Chests and lacquered chairs and tables, Shensi. M. S. Crow, Inc. 206,828; Nov. 10.
Furniture. Oklahoma Furniture Manufacturing Co. 219,345; Nov. 10.
Mirrors. Fiberloid Corporation. 210,296; Nov. 10.

CLASS 33.

Glassware, glass trays, window glass, etc., Household. J. E. Marsden Glass Works, Inc. 220,351; Nov. 10.
Jars, Glass fruit. Smalley, Kivlan & Onthank. 219,784; Nov. 10.
Lamp chimneys, reflectors, and lantern globes, Glass. Gill Brothers Company. 220,946; Nov. 10.

CLASS 34.

Stoves, furnaces, steam boilers, etc. American Blower Company. 212,774; Nov. 10.
Ventilating units. Unit Ventilation Co. 219,701; Nov. 10.

CLASS 35.

Automobile rims, Flaps for. North Eastern Rubber Co. 193,118; Nov. 10.
Piston rings. Pacific Piston Ring Co. 218,655–6; Nov. 10.
Tire boots for automobile tires. Burrow Manufacturing Company. 218,950; Nov. 10.
Tires, Inner tubes for pneumatic vehicle. Goodyear Tire & Rubber Company. 207,240; Nov. 10.

CLASS 37.

Card, indexing, record, and filing systems and materials and equipment therefor. H. O. Ross. 203,840; Nov. 10.
Paper fasteners. Treiber-Cahill Mfg. Co. 213,534; Nov. 10.
Paper, Prophylactic tissue. Continental Paper & Bag Mills Corporation. 219,166; Nov. 10.
Paper, White or colored bond writing. Standard Paper Manufacturing Co. 215,758; Nov. 10.
Stationery, Printed. C. R. Myers. 217,410; Nov. 10.

CLASS 38.

Card, Color. Widder Bros. 220,815; Nov. 10.
Cards, Greeting and announcement. Old Colony Envelope Company. 219,196; Nov. 10.
Journal issued monthly, Agricultural. Curtis Publishlishing Company. 219,529; Nov. 10.
Magazine, Monthly. Macfadden Publications, Incorporated. 219,635; Nov. 10.
Magazine, Monthly. Pacific Brotherhood Investment Company. 219,406; Nov. 10.
Magazine, Monthly. United Trade Publishing Company. 219,702; Nov. 10.
Magazine, Monthly. Winston, Inc. 219,466; Nov. 10.
Magazine, Weekly. S. L. Orwall. 219,836; Nov. 10.
Newspaper feature articles. Famous Features Syndicate, Inc. 220,223; Nov. 10.
Publication, Monthly. National Association of Inventors. 219,980; Nov. 10.
Publication, Monthly. New Fiction Publishing Corporation. 218,197; Nov. 10.
Publication, Weekly. Rayon Publishing Corporation. 219,493; Nov. 10.
Publications, Semiannual. Ready Reference Publishing Co. 219,843; Nov. 10.

CLASS 39.

Band, Infant's. Boston Knitting Mills, Inc. 220,492; Nov. 10.
Capes, wraps, scarfs, coats, and hats, Fur. H. Jaeckel & Sons, Inc. 217,673; Nov. 10.
Caps, Ladies' house or dust. L. W. Duesing. 219,731; Nov. 10.
Coats, cloaks, skirts, suits, etc., Ladies. Lansdell & Willson, Limited. 214,876; Nov. 10.
Coats, hats and caps, capes, etc., Rainproof. Wallace, Scott & Co. 214,193; Nov. 10.
Coats, Junior misses'. Siegel Brothers & Burnstine. 219,458; Nov. 10.
Coats, vests, trousers, and overcoats, Men's and boys'. B. Kuppenheimer & Co. 214,486; Nov. 10.
Dresses, Women's. Burgess-Johnson-Webb Corporation. 208,956; Nov. 10.
Dresses, Women's. Cohn & Holt. 220,449; Nov. 10.
Gloves, Fabric. Wilmelbacher & Rice. 217,594; Nov. 10.
Gowns. L. Friedlander. 220,539; Nov. 10.
Hosiery. William Hengerer Company. 219,429; Nov. 10.
Hosiery. M. Lowin. 219,399; Nov. 10, 1925.
Hosiery. P. Lowin. 219,400; Nov. 10.
Overalls. C. Saad. 220,475; Nov. 10.
Overalls and coats. N & W Overall Company. 216,983; Nov. 10.
Overalls, jackets, pants, etc., for men or children. E. V. Benjamin Company. 217,600; Nov. 10.
Overalls, Men's. Chicago Mail Order Company. 220,396; Nov. 10.
Overcoats and topcoats. C. B. Shane Co. 219,208; Nov. 10.
Shirts and overalls, Work. G. W. Woodruff. 218,441; Nov. 10.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Shirts, Men's work. J. Kohn. 207,412; Nov. 10.
Shirts, undershirts, and underwear, Men's. Hansley Mills. 220,023; Nov. 10.
Shoes. Nu-Way Shoe Co. 205,223; Nov. 10.
Shoes, Leather. C. A. Morin. 219,295; Nov. 10.
Suits and outing coats, Bathing. Jantzen Knitting Mills. 220,539; Nov. 10.
Suits, Bathing. Mitchell & Frank Knitting Mills, Inc. 220,414; Nov. 10.
Suits, Boys'. Schneider & Hoffenberg. 217,298; Nov. 10.
Suits, coats, dresses, etc., Ladies'. American Retailers Association, Inc. 220,282; Nov. 10.
Suits, Men's. Gately Clothing Company. 220,067; Nov. 10.
Suits, Men's outer. I. Grossman. 219,535; Nov. 10.
Suits, topcoats, overcoats, hats, gloves, etc., Men's and boys'. Stix, Baer & Fuller Co. 219,611; Nov. 10.
Suits, topcoats, vests, and pants, Men's. Admirable Clothes, Inc. 217,240; Nov. 10.
Underwear. Cluett, Peabody & Co. 219,474; Nov. 10.
Underwear and scarfs, Ladies'. Traylance Mfg. & Importing Co. 218,437; Nov. 10.
Underwear, Ladies' and misses' silk and cotton. D. Melnick. 212,342; Nov. 10.
Underwear, Women's knitted. R. H. Macy & Co. 216,418; Nov. 10.

CLASS 40.

Snap fasteners. United States Fastener Company. 220,207; Nov. 10.

CLASS 42.

Cotton piece goods. Sayles Finishing Plants Inc. 221,208; Nov. 10.
Cotton, silk, and wool piece goods. Haas Brothers Fabrics Corporation. 221,253; Nov. 10.
Domestics, Bleached. M. Haiff & Bro. 221,116; Nov. 10.
Draperies and dress goods. Westerly Textile Company. 201,635; Nov. 10.
Hair nets. S. H. Rubenstein. 219,846; Nov. 10.
Napkins, tablecloths, sheets, and pillowcases, Table. Tootal Broadhurst Lee Company Limited. 220,431; Nov. 10.
Rugs. Hillside Cotton Mills. 220,717; Nov. 10.
Sheetings and drillings. Manville Jenckes Company. 220,242–3; Nov. 10.
Silk fabrics, Artificial rayon. Hahlo & Solomon Inc. 216,976–7; Nov. 10.
Silk piece goods. Bendix & Fiber, Inc. 212,667; Nov. 10.
Silk piece goods. Stehli Silks Corporation. 221,215; Nov. 10.
Wool, silk, and cotton piece goods. Haas Brothers Fabrics Corporation. 220,525; Nov. 10.
Wool, silk, and cotton piece goods. Haas Brothers Fabrics Corporation. 220,527–8; Nov. 10.
Woolen piece goods. Bradford Dyers' Association, Limited. 220,539; Nov. 10.
Worsted and woolen dress goods. F. A. Bochmann & Co. 219,660; Nov. 10.

CLASS 44.

Adhesive plasters. Johnson & Johnson. 220,027; Nov. 10.
Adhesive tape, knee and ankle braces. A. G. Spalding & Bros. 220,367; Nov. 10.
Atomizers, nipples, finger cots, etc. Seamless Rubber Company. 216,227; Nov. 10.
Gauze, cotton, and waste cotton, bandages, etc., Absorbent. Lewis Manufacturing Company. 202,257; Nov. 10.
Gum coating for dentures. Dresch Laboratories Co. 220,877; Nov. 10.
Pacifiers. Julius Schmid, Inc. 219,145; Nov. 10.
Rubber bulbs, rubber water bottles, rubber gloves, etc. Société Française Tréugolnik. 181,653; Nov. 10.

CLASS 45.

Beverage. A. W. Deane. 218,394; Nov. 10.
Beverage. Ponce de Leon Orange Mill Co. 219,407; Nov. 10.
Beverage and sirups for making the same. W. J. Shrader. 220,147; Nov. 10.
Beverage sold as a soft drink, Pineapple. Chresomales & Coronges. 219,473; Nov. 10.
Beverages sold as soft drinks. Jackson County Creamery. 218,759; Nov. 10.
Beverages sold as soft drinks. Swedish Produce Co. 220,260; Nov. 10.
Beverages sold as soft drinks and sirups and extracts for making the same. Gray Manufacturing Company. 216,175; Nov. 10.
Mineral water. W. P. Bernagozzi. 218,593; Nov. 10.

CLASS 46.

Butter, Creamery. Swift and Company. 213,050; Nov. 10.
Candy. Fortune Products Company. 219,243; Nov. 10.
Candy. Walter T. Hall & Co. 218,755; Nov. 10.
Candy bars. Pendergast Candy Company. 213,733; Nov. 10.
Canned fruit, vegetables, fish, and olives and bulk and bottled olives. S. M. Simon. 220,579; Nov. 10.
Canned fruits, vegetables, and fish and tomato sauce and olive oil. Scaramelli & Company. 183,455; Nov. 10.
Canned fruits, vegetables, fish, and sirup, rice, spices, etc. Henry Soodsma & Company. 218,879; Nov. 10.
Canned string beans. Tillman & Bendel, Inc. 216,570; Nov. 10.
Canned vegetables. F. Mennella. 218,075; Nov. 10.
Cheese. Golden State Milk Products Company. 218,255; Nov. 10.
Cheese, Imported Swiss Gruyère. C. E. Zuercher & Co. 208,629; Nov. 10.
Chicken breeding stock, chicks, and hatching eggs. A. Stewart. 218,723; Nov. 10.
Coffee. Karavan Coffee Company. 219,486; Nov. 10.
Flour, Wheat. G. W. Ziebold. 220,269; Nov. 10.
Flours, corn meal, pancacke sirup, and evaporated milk. John Knobel & Son. 220,543; Nov. 10.
Fruit preserves. D. B. Scully Syrup Co. 200,123; Nov. 10.
Gelatin dessert compound. Jell-X-Cell Co. 218,815; Nov. 10.
Macaroni, Loose-packed and canned. A. Zuaro & Son. 220,055; Nov. 10.
Marshmallows, Powder for making. National Egg Products Company. 166,896; Nov. 10.
Milk, Evaporated. Amboy Milk Products Co. 208,889; Nov. 10.
Oil, Olive. P. Curreri. 220,218; Nov. 10.
Pineapples, Fresh. West Indies Fruit Importing Company. 216,242–3; Nov. 10.
Poultry and eggs, Dressed. American Poultry Corporation. 218,442; Nov. 10.
Shortening, Cottonseed-oil. Armstrong Packing Company. 219,709; Nov. 10.
Tomato sauce. Union Food Products Co. 217,970; Nov. 10.

CLASS 48.

Malt beverage. Globe Bottling & Sales Company. 219,422; Nov. 10.
Malt extracts and malt and hop extracts. G. & E. Trading Corp. 219,390; Nov. 10.
Malt extracts and malt and hop extracts. A. Goldstein. 219,392; Nov. 10.

CLASS 50.

Awnings. Couch Bros. Manufacturing Co. 219,382; Nov. 10.
Cork sheets and blocks, coverings for textile rolls, and sealing disks for closures, Composition. Crown Cork and Seal Company of Baltimore City. 219,062; Nov. 10.
Jar caps or closures. W. J. Peelle. 218,203; Nov. 10.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 10TH DAY OF NOVEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Toaster base and foot. 1,561,291; Nov. 10.

Abbott, Donald B., Yarmouth, Me. Moccasin. 1,560,631; Nov. 10.

Abbott, Donald B., Yarmouth, Me. Moccasin. 1,560,632; Nov. 10.

Ackermann, Frank, M. Langhaus, and H. Gould, New York, N. Y., said Langhaus assignor to said Ackermann and said Gould. Machine for mixing and dispensing lather. 1,561,439; Nov. 10.

Acme Card System Company. (See Powell, Frank D., assignor.)

Actien-Gesellschaft für Anilin-Fabrikation. (See Hohmann, Wilhelm, assignor.)

Adams, Edward T., Binghamton, assignor to The Fairbanks Co., New York, N. Y. Check valve. 1,561,395; Nov. 10.

Adamson, Arthur V., Hempstead, N. Y., assignor to Combustion Engineering Corporation. Handling and feeding of pulverized coal. 1,560,519; Nov. 10.

Addison, Amos I., Long Beach, Calif., assignor to The Curtis Corporation, Wilmington, Del. Exhaust box. 1,560,520; Nov. 10.

Agee, Charley D., Dallas, Tex. Cabinet ironing board. 1,560,962; Nov. 10.

Aglow, Harry, New York, N. Y., assignor to Artcraft Metal Stamping Corporation. Chandelier. Des. 68,687; Nov. 10.

Aguilar, Miguel M. (See Enciso, Blas, assignor.)

Aldendorff, Fritz, Berlin-Wilmersdorf, Germany, assignor of one-fourth to P. Kolisch, New York, N. Y. Automatic telephone system. 1,561,292; Nov. 10.

Alexander, Clive M., Tulsa, Okla. Bame tower. 1,561,044; Nov. 10.

Alexander, John E. (See McBain, B. T., Alexander, and Geenberg.)

Allen, Adolphus M., Minneapolis, Minn. Igniting device for furnaces. 1,560,638; Nov. 10.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stitched buttonhole. 1,560,634; Nov. 10.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Buttonhole-sewing machine. 1,560,635; Nov. 10.

Allen, Frank B., Cleveland, Ohio, assignor, by mesne assignments, to F. H. Dunbar. Ash-hopper construction. 1,561,298; Nov. 10.

Allen, Grover C., assignor of one-fourth to M. Platner and of one-fourth to R. L. Rice, Joplin, Mo. Center emergency brake and control lever for motor vehicles. 1,560,636; Nov. 10.

Almquist, Amandus W., West Orange, assignor to Twin Piston Ring Corporation, Newark, N. J. Rolling machine for piston rings. 1,561,294; Nov. 10.

Alvey Manufacturing Company. (See Langsdorf, Alexander S., assignor.)

American Arch Company. (See Parish, Le Grand, assignor.)

American Assembling Machine Company. (See Juengst, Charles A., assignor.)

American Bed Company. (See Brasnell, John J., assignor.)

American Bemberg Corporation. (See Elsaesser, E., and zur Löwen, assignors.)

American District Telegraph Company. (See Hopkins, Richard M., assignor.)

American Enameled Brick & Tile Company. (See Boornem, John F., assignor.)

American Flyer Manufacturing Company. (See Becker, Harry S., assignor.)

American Flyer Mfg. Co. (See Culver, Frank S., assignor.)

American Laundry Machinery Company, The. (See Carroll, Emil J., assignor.)

American Metal Cap Company. (See Hammer, Charles, assignor.)

American Manufacturing & Sales Co. (See Gerber, Ralph, assignor.)

American Optical Company. (See Parsons, Harold K., assignor.)

American Radiator Company. (See Eggleston, Lewis W., assignor.)

American Telephone Advertising Company. (See Miller, Volney T., assignor.)

American Telephone and Telegraph Company. (See Blauvelt, William G., assignor.)

American Telephone and Telegraph Company. (See Cory, Samuel I., assignor.)

American Telephone and Telegraph Company. (See Crisson, George, assignor.)

American Telephone and Telegraph Company. (See Shoffstall, Hugh F., assignor.)

Andersen, Carl, and A. C. Sylvest, Copenhagen, Denmark. Sound distributor. 1,560,637; Nov. 10.

Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Tool for manipulating socket caps. 1,561,295; Nov. 10.

Anderson, Carl L., assignor to Mechanics Machine Company, Rockford, Ill. Change-speed transmission. 1,561,045; Nov. 10.

Anderson, Clara, Hayward, Calif. Rolling pin. 1,561,208; Nov. 10.

Anderson, Miles S., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Combined cotter pin and washer. 1,560,638; Nov. 10.

Anderson, Thomas B., Coshocton, Ohio. Cup. Des. 68,688; Nov. 10.

Andrew, James M., Farrell, and R. T. Hadley, Sharon, Pa. Apparatus for repairing furnace roofs. 1,561,296; Nov. 10.

Andrews, Bernard R., Braintree, and S. P. Lovell, Brockton, Mass. Drying material. 1,560,589; Nov. 10.

Andrews, Martin L., Millerton, assignor of one-half to L. J. Roberts, Sabensville, Pa. Reversible wheeled plow. 1,560,639; Nov. 10.

Andrews, Thornwell H., Charlotte, N. C. Device for gauging automobile axles. 1,560,521; Nov. 10.

Anthony Company. (See Anthony, William C., assignor.)

Anthony, William C., assignor to Anthony Company, Streator, Ill. Shovel. 1,560,791; Nov. 10.

Antz, Albert H., assignor to Sierra Art Engraving Co., San Francisco, Calif. Cooling machine. 1,560,640; Nov. 10.

Apex Specialties Corporation. (See Wocel, F. E., and Johnson, assignors.)

Armstrong, Charles J., Austin, Tex. Lock for meter-box covers. 1,561,449; Nov. 10.

Armstrong Cork Company. (See Humphreys, Charles F., assignor.)

Armstrong Cork Company. (See Humphreys, Henry S., assignor.)

Armstrong, Edwin J., assignor to Erie Steam Shovel Company, Erie, Pa. Hoist. 1,560,522; Nov. 10.

Arragg, George M. (See Heaps, Joseph, assignor.)

Art, Carl W., Spokane, Wash. Calculator. 1,560,963; Nov. 10.

Artcraft Metal Stamping Corporation. (See Aglow, Harry, assignor.)

Asbury, Dorsey F., Broomes Island, Md. Valve-operating mechanism. Re16,205; Nov. 10.

Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Bobbin-winding machine. 1,560,523; Nov. 10.

Asire, Horace W., assignor to General Motors Research Corporation, Dayton, Ohio. Exhaust fan. 1,561,046; Nov. 10.

Automatic Electric Company. (See Jacobsen, Emil, assignor.)

Automatic Electric Company. (See Obergfell, Herbert F., assignor.)

Automatic Electric Company. (See Richardson, Rodney G., assignor.)

Avery, Edward S., East Hampton, N. Y. Pulley. 1,560,524; Nov. 10.

Axton, Edwin D., et al. (See Reynolds, Joshua C., assignor.)

Axton, Woodford F., et al. (See Reynolds, Joshua C., assignor.)

Ayres, William E. M., Hale, England, assignor to Westinghouse Electric & Manufacturing Company. Alternating-current electric motor. 1,561,297; Nov. 10.

Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)

Backstrom, G. V. (See Brown, Perry O., assignor.)

Bager, Svante R. W. M., South Milwaukee, and M. L. Fykse, Milwaukee, assignors to Bucyrus Company, South Milwaukee, Wis. Portable engine. 1,560,792; Nov. 10.

Bagwill, William L., Long Beach, Calif. Cracking still for mineral oils. 1,560,891; Nov. 10.

Baker Manufacturing Company, The. (See Staley, Raleigh H., assignor.)

Baker-Perkins Company. (See Bremer, E. C., and Schaefer, assignors.)
Baker Wheel and Rim Company. (See Hawley, Charles G., assignor.)
Baldwin, Frederic H., Philadelphia, Pa. Closure for collapsible tube. 1,561,298; Nov. 10.
Bales, James E., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Door-locking mechanism. 1,560,641; Nov. 10.
Banigan, Thomas F. (See Bassett, H. P., and Banigan.)
Banks, Victor O., Ortega, Fla. Poultry feeder. 1,561,299; Nov. 10.
Banshaf, Edwin J. (See Wenderhold, William, assignor.)
Barbarou, Marius, J.-B., Paris, France. Control of carburetors. 1,560,642; Nov. 10.
Barber, Colman Company. (See Bearden, Fred E., assignor.)
Barber-Colman Company. (See Edgar, John, assignor.)
Barber, Walter H., Melrose, Mass., assignor to Submarine Signal Company, Portland, Me. Microphone button. 1,560,643; Nov. 10.
Barbour, William M., Roanoke, Va. Low-water alarm for boilers. 1,561,135; Nov. 10.
Bardy Projector Co. (See Bardy, Samuel, assignor.)
Bardy, Samuel, assignor, by mesne assignments, to Bardy Projector Co., Philadelphia, Pa. Screen for motion pictures. 1,560,964; Nov. 10.
Barkley, Vernon T., Pittsburgh, Pa. Car dump. 1,561,047; Nov. 10.
Barnes, William M., Holland, Mo. Cotton chopper. 1,561,396; Nov. 10.
Barrell, Charles S., Boston, Mass. Tensioning device for tire chain. 1,560,525; Nov. 10.
Barrows, Allan S., Chicago, Ill. Metal door. 1,560,526; Nov. 10.
Bartlett-Collins Glass Company, The. (See Hamilton, De Witt C., assignor.)
Bartlett Hayward Company, The. (See Kuehn, Paul M., assignor.)
Bass, E. & J., Inc. (See Bass, Jacob, assignor.)
Bass, Jacob, New York, N. Y., assignor to E. & J. Bass, Inc. Ornamental glassware and making the same. 1,561,307; Nov. 10.
Bassett, Harry P., Cynthiana, Ky., and T. F. Banigan, assignors to Meigs, Bassett & Slaughter, Inc., Philadelphia, Pa. Spinning artificial silk and other filaments from cellulose materials. 7,560,965; Nov. 10.
Bassler, Edwin M., Milwaukee, Wis. Spraying apparatus. 1,560,527; Nov. 10.
Bastian, Arthur J., Edgewood Park, Pa., assignors to Westinghouse Electric & Manufacturing Company. Process of and apparatus for molding. 1,561,300; Nov. 10.
Bates, Malvin. (See Gildric, C., and Bates.)
Baum, Frank G., San Francisco, Calif. Hot-water heating system. 1,560,528; Nov. 10.
Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Apparatus for packing confections and the like. 1,561,301; Nov. 10.
Bausman, Alonso L., assignor to National Equipment Company, Springfield, Mass. Depositor. 1,561,302; Nov. 10.
Bawden, Alfred H., jr. (See Gildersleeve, Earl J., assignor.)
Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Tumbler switch. 1,561,306; Nov. 10.
Bean, Frank D. (See Glidden, A. A., and Bean.)
Bearden, Fred E., Spartanburg, S. C., assignor, by mesne assignments, to Barber-Colman, Rockford, Ill. Needle-spacer-inserting machine. Re16,206; Nov. 10.
Beat, John, et al. (See Chladek, Joseph C., assignor.)
Beat, Roy A., et al. (See Chladek, Joseph C., assignor.)
Beaupre, Eli J., North Attleboro, Mass. Cigarette casing. 1,560,644; Nov. 10.
Beauregard, Alfred E., Central Falls, R. I. Ring. Des. 68,689; Nov. 10.
Beaver Machine & Tool Company. (See Isele, Louis E., assignor.)
Beck, Harry J. (See Huffman, Elbert A., assignor.)
Becker, Harry S., assignor to American Flyer Manufacturing Company, Chicago, Ill. Coupler for toy cars. 1,561,398; Nov. 10.
Becker, Herman H. (See Ulmen, P. C., Becker, and Mann.)
Beers, Roland F., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Transformer. 1,561,204; Nov. 10.
Begg, Anna L., Seattle, Wash. Safety belt for infants. 1,561,399; Nov. 10.
Begg, Ann L., Seattle, Wash. Device for preventing thumb sucking. 1,561,400; Nov. 10.
Begtrup, Edward F., Jersey City, assignor to Metal & Thermit Corporation, Chrome, N. J. Mold for thermite welding and the like. 1,560,645; Nov. 10.
Belcher, Warren J., assignor to The Whitney Mfg. Co., Hartford, Conn. Power-transmitting chain. 1,560,646; Nov. 10.
Belcher, Warren J., assignor to The Whitney Mfg. Company, Hartford, Conn. Power-transmitting chain. 1,560,647; Nov. 10.
Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Engine support. 1,561,205; Nov. 10.
Bell-Irving, Henry B., Vancouver, British Columbia, Canada. Brush. 1,561,304; Nov. 10.
Bell, James, West Medway, Mass. Auto truck stake holder. 1,561,136; Nov. 10.
Bell, John E., Brooklyn, N. Y. Waste-heat plant and operating the same. 1,560,648; Nov. 10.
Bembina, Melchiorre, Palermo, Italy, assignor of one-half to D. G. Vernaci, New York, N. Y. Grater. 1,561,401; Nov. 10.
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Benham, Edgar M., Norwood, Ohio, assignor to The Mosler Lock Company, Covington, Ky. Changeable-combination key lock. 1,561,207; Nov. 10.
Bergen, Harry S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,561,048; Nov. 10.
Bernwall, Arthur E., Janesville, Wis. Educational game. 1,561,402; Nov. 10.
Bethlehem Steel Company. (See Julstedt, Chas. J., assignor.)
Betts, Frank B., jr., Dayton, Ohio. Combination bug collector and spraying apparatus. 1,560,529; Nov. 10.
Beveridge, James, assignor to J. B. Beveridge, Richmond, Va. Recovering sodium-acid sulphite from the waste liquors of the sodium-acid-sulphite pulp process. 1,560,649; Nov. 10.
Beveridge, James B. (See Beveridge, James, assignor.)
Biggert, Florence C., jr., Crafton, and L. Johnson, Ingram, assignors to United Engineering and Foundry Company, Pittsburgh, Pa. Manipulator. 1,560,650; Nov. 10.
Bishop, Benjamin S. T. (See Gifford, A. J., and Bishop.)
Bishop, Edwin L., Birmingham, England. Apparatus for use in covering cardboard and like boxes. 1,560,651; Nov. 10.
Bishop, Harry L., Arcadia, Fla. Riveting tool. 1,561,305; Nov. 10.
Bixby, Walter, assignor to Shawmut Engineering Company, Boston, Mass. Yarn spool. 1,561,206; Nov. 10.
Blake, Ethel R. (See Blake, William F. and E. R.)
Blake, William F. and E. R., Toledo, Ohio. Washing machine. 1,560,530; Nov. 10.
Blauvelt, William G., New York, N. Y., assignor to American Telephone and Telegraph Company. Automatic switch. 1,560,531; Nov. 10.
Bleendes, Isidor S., Brooklyn, N. Y. Guide for yarn. 1,561,208; Nov. 10.
Blood, Harold L., North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Control system. 1,560,652; Nov. 10.
Blood, Harold L., North Plainfield, H. Rausch, C. W. Jensen, and H. Little, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y. Machine tool. 1,560,653; Nov. 10.
Bloom, Marcus, Charlotte, N. C. Casing for a dispensing cabinet. Des. 68,690; Nov. 10.
Blum, Benjamin A. Cole, and E. Coulson, Los Angeles, Calif. Apparatus for permanent waving and curling hair. 1,560,804; Nov. 10.
Bodine, James L., Seal Beach, Calif. Bicycle support. 1,560,892; Nov. 10.
Boehringer, C. H., Sohn, Chemische Fabrik. (See Wieland, Hermann, assignor.)
Bommer, Emil, Brooklyn, N. Y. Door closer. 1,561,209; Nov. 10.
Bonnot Company, The. (See Hopwood, John M., assignor.)
Bonner, John H. S., and M. T. Chamberlin, Wichita Falls, Tex. Pump. 1,561,049; Nov. 10.
Bonoff, Harry A., Los Angeles, Calif. Wax and compound annealer. 1,560,893; Nov. 10.
Booraem, John F., Greenwich, Conn., assignor to American Enameled Brick & Tile Company, New York, N. Y. Packing enamel brick. 1,561,210; Nov. 10.
Botcher, Albert W., San Francisco, Calif. Drapery stretching and cutting devices. 1,561,403; Nov. 10.
Bottom, Thomas. (See Fitzgerald, W. E. F., and Bottom.)
Bowlus, Lauren M., San Luis Obispo, Calif. Ice box. 1,560,966; Nov. 10.
Bowlus, Lauren M., San Luis Obispo, Calif. Ice box. 1,560,967; Nov. 10.
Bowman, John J. (See Fulton, H. R., and Bowman.)
Bowser, S. F., & Company. (See Johnson, L. H., and Rupp, assignors.)
Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Nonmagnetic steel wire. 1,561,306; Nov. 10.
Bradley, Harry L., assignor of one-half to L. Bradley, Milwaukee, Wis. Phonograph cabinet or similar article. Des. 68,691; Nov. 10.
Bradley, Lynde. (See Bradley, Harry L., assignor.)
Braendlein, Roy C. (See Stone, S. L., and Braendlein.)
Brasnell, John J., assignor to American Bed Company, St. Louis, Mo. Folding bed. 1,561,050; Nov. 10.
Brede, Martin H., Minneapolis, Minn. Closure cap and lock for filler necks and the like. 1,560,654; Nov. 10.
Breitenstein, Albert F., assignor to The Geometric Tool Co., New Haven, Conn. Collapsing tap. 1,560,968; Nov. 10.



Bremer, Edward C., and W. J. Schaefer, Saginaw, Mich., assignors to Baker-Perkins Company, Inc., White Plains, N. Y. Electrically-operated automatic weighing machine. 1,561,211; Nov. 11.
Brenden, Carl M., Laurel, Mont. Blade holder. 1,561,404; Nov. 10.
Brensinger, Julius, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Seaming mechanism. 1,561,307; Nov. 10.
Brewster, Herbert M., Chicago, Ill. Shock absorber. 1,560,655; Nov. 10.
Bresin, Joseph, Philadelphia, Pa., assignor to National Metal Stamping Company. Bag fastener. 1,560,969; Nov. 10.
Bridwell, Douglas V. (See Karras, I. S., and Bridwell.)
Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)
Briody, Bernard, Youngstown, Ohio, assignor to Truscon Steel Company, Roadway joint. Re16,202; Nov. 10.
Britt, William J. (See Ramstetter, F., and Britt.)
Britton, Dempsey C., Connersville, Ind. Radiator. 1,561,212; Nov. 10.
Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Deaerating apparatus. 1,560,754; Nov. 10.
Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Boiler with superheater. 1,560,755; Nov. 10.
Brookins, Andrew J., Chicago, Ill. Automatic train control. 1,561,051; Nov. 10.
Brooks, John C., Paterson, N. J., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,561,449; Nov. 10.
Broner, C. J., et al. (See McCoy, Elijah, assignor.)
Brown, Arthur H., Denver, Colo. Making dental impressions. 1,561,052; Nov. 10.
Brown, Bruce K., and E. G. Schmidt, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Method of and composition for cleaning metals. 1,561,053; Nov. 10.
Brown, Clyde M., Sedalia, Mo. Wash-boiler percolator. 1,560,970; Nov. 10.
Brown, Perry O., assignor of one-half to G. V. Backstrom, St. Vincent, Minn. Vacuum-feed lubricating device. 1,561,308; Nov. 10.
Brown, Roy W., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Diaphragm valve. 1,560,656; Nov. 10.
Broyles, James C., deceased, Birmingham, Ala.; Mrs. C. V. Broyles, administratrix. Gun. 1,560,532; Nov. 10.
Broyles, Mrs. Celeste V., administratrix. (See Broyles, James C.)
Bryan, Thomas D., Linden, Calif. Locking ring for separable rims. 1,560,756; Nov. 10.
Bryant Electric Company, The. (See Anderson, Carl E., assignor.)
Bryant, John H., Chicago, Ill. Plunger. 1,561,405; Nov. 10.
Buckbee, John C., Chicago, Ill. Straight-line cement plant. 1,561,218; Nov. 10.
Buckley, Alfred, jr., et al. (See Smith, Hasor J., assignor.)
Bucyrus Company. (See Bager S. R. W. M., and Fykse, assignors.)
Buechner, Frank A., Battle Creek, Mich. Football. 1,560,657; Nov. 10.
Buffalo Brake Beam Company. (See Crone, Seth A., assignor.)
Buffalo Foundry & Machine Company. (See Miles, Henry D., assignor.)
Bula, Florencio M., La Plata, Argentina. Instrument for dishorning calves by cauterization. 1,560,971; Nov. 10.
Bull, William S., Greentown, Ind. Attachment for floor surfacers. 1,560,658; Nov. 10.
Burket, Etta M., Bangor, Me. Cleansing and polishing compound. 1,560,659; Nov. 10.
Burkhart, Victor H. (See Van Brunt, Harry L., assignor.)
Burkholder, John H., and J. A. Chater, assignors to Elite Manufacturing Company, Ashland, Ohio. Vehicle jack. 1,560,533; Nov. 10.
Burnham, George A., Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company. Electric switch. 1,560,534; Nov. 10.
Burns, Frank H., assignor to Hoosick Falls Radio Parts Manufacturing Company, Inc., Hoosick Falls, N. Y. Rheostat. 1,561,137; Nov. 10.
Burry, Vincent J., et al. (See Woodman, George A., assignor.)
Burton, Carl O., Duluth, Minn. Anemometer. 1,560,535; Nov. 10.
Burya, Frederick F. (See Gage, Harold L., assignor.)
Buse, Otto H., Shaker Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Mechanical furnace. 1,561,054; Nov. 10.
Bush, Albert A., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Engraving machine. 1,561,214; Nov. 10.
Bush, Alden J., Columbus, Ohio. Door check and closer. 1,560,757; Nov. 10.
Byrnes, Clarence P., trustee. (See James, Joseph H., assignor.)
Cain, John R., Washington, D. C., dedicated to the people of the United States of America. Gas-analyzing method and apparatus. 1,560,660; Nov. 10.
Caisse, Joseph, Montreal, Quebec, Canada. Plane. 1,561,406; Nov. 10.
Callahan, Richard J., Newark, N. J. Electrowelding grip. 1,561,055; Nov. 10.
Caltrider, Lewis C. (See Snyder, Cecil A., assignor.)
Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Film-dyeing apparatus. 1,560,541; Nov. 10.
Carbide & Carbon Chemicals Corporation. (See Webb, William R., assignor.)
Card, Charles, Breckenridge, Tex. Expanding plunger for oil wells. 1,561,407; Nov. 10.
Carlson, Androv H., Bridgeport, Conn. Three-wheel dump cart. 1,560,972; Nov.
Carlson, Frank W., Oilfields, Calif. Pump-rod and casing handling device. 1,560,661; Nov. 10.
Carlson-Wenstrom Co. (See Lundgren, Jacob, assignor.)
Carondelet Foundry Company. (See Korten, William J., jr., assignor.)
Carroll, Emil J., assignor to The American Laundry Machinery Company, Norwood, Ohio. Electrical heating means for collar shapers. 1,560,758; Nov. 10.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-acetate composition. 1,560,542; Nov. 10.
Case, J. I., Threshing Machine Company. (See MacGregor, Wallace F., assignor.)
Casey, Richard G., assignor to A. G. M. Mitchell, Melbourne, Victoria, Australia. Viscometer. 1,560,662; Nov. 10.
Castanie, William, Port Arthur, Tex. Mowing machine. 1,560,663; Nov. 10.
Chadwick, Lee S., Shaker Heights, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Air-controlling member for oil burners. 1,561,215; Nov. 10.
Chamberlain, Paul D., Fairbank, Ontario, Canada. Spring suspension for Ford Cars and trucks. 1,560,759; Nov. 10.
Chamberlin, Martin T. (See Bonner, J. H. S., and Chamberlin.)
Chandler, Wilfrid S. (See Drew, George, assignor.)
Chapin, Merle P., White Plains, assignor to Western Electric Company, Incorporated, New York, N. Y. Engine-control means. 1,560,760; Nov. 10.
Chapple, Charles E. (See Rau, H., and Chapple.)
Charlton, William J. H., Wabeno, Wis. Railway gate. 1,561,056; Nov. 10.
Charters, Olga L., Los Angeles, Calif. Collapsible box. 1,561,138; Nov. 10.
Chartier, René L., assignor to Compagnie Francaise des Metaux, Paris, France. Induction electric furnace. 1,561,408; Nov. 10.
Chater, John A. (See Burkholder, J. H., and Chater.)
Chéron, Jules J., Paris, France. Fountain brush. 1,560,973; Nov. 10.
Chicago Cabinet Lock Co. (See Shinn, Lyle B., assignor.)
Chicago Mill and Lumber Company. (See Walter, Harrison B., assignor.)
Chladek, Joseph C., assignor of one-third to R. A. Beat and one-third to J. Beat, Mount Horeb, Wis. Automatic guard for circular saws. 1,561,409; Nov. 10.
Chrisman, Ralph L. (See Smothers, Ralph L., assignor.)
Christopherson, Alfred C., assignor to Hacker Manufacturing Co., Chicago, Ill. Printing press. 1,560,536; Nov. 10.
Clarke, Harley L. (See De Vault, Ralph P., assignor.)
Clays, Ernest E., Salt Lake City, Utah. Ball-coupon distributor. 1,560,974; Nov. 10.
Clemetsen Company, The. (See Vasler, Jens, assignor.)
Cleveland Metal Products Company. (See Chadwick, Lee S., assignor.)
Coburn, Raymond W., Weston, Mass. Road construction. 1,561,139; Nov. 10.
Cody, Sherwin, Tompkinsville, N. Y. Educational device. 1,561,447; Nov. 10.
Cohen, Abraham. (See Coyle, John, assignor.)
Cohen, Louis, Washington, D. C. Variable condenser. 1,560,761; Nov. 10.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combined toaster and table stove. 1,561,309; Nov. 10.
Cole, Alexander. (See Blum, B., Cole, and Coulson.)
Cole, Charles H., Pueblo, Colo. Brake attachment. 1,561,410; Nov. 10.
Cole, John A., Chicago, Ill. Rod meter. 1,560,664; Nov. 10.
Cole, Joseph S., Muncie, Ind. Combined latch and hinge. 1,560,537; Nov. 10.
Coleman, Aloysius J., Chicago, Ill. Toothbrush. 1,561,140; Nov. 10.
Coleman, Edward, Tenafly, N. J. Addressograph attachment. 1,561,216; Nov. 10.
Coleman, George B., assignor to Majik Electric Appliance Company, San Francisco, Calif. Electric motor. 1,560,762; Nov. 10.
Collins, Frank M., Oilfields, Calif. Packing head and blow-out preventer for rotary-type well-drilling apparatus. 1,560,763; Nov. 10.

Collins, Harold H., Cincinnati, Ohio. Auxiliary turning device for motor vehicles. 1,560,665; Nov. 10.
Collins, Michael, Joplin, Mo. Excavating and scraping machine. 1,560,975; Nov. 10.
Collison, John G., W. N. Frank, and H. M. Filbert, assignors, by mesne assignments, to The Grolan Manufacturing Company, Dayton, Ohio. Printing machine. 1,560,764; Nov. 10.
Coloder Company, The. (See Newdick, Norton A., assignor.)
Colson, Emery B., and H. C. Green, Hutchinson, Kans. Tobacco can. 1,561,057; Nov. 10.
Columbian Enameling & Stamping Co. (See Topping, W., and Nelson, assignors.)
Combustion Engineering Corporation. (See Adamson, Arthur V., assignor.)
Commercial Solvents Corporation. (See Brown, B. K., and Schmidt, assignors.)
Compagnie d'Applications Mecaniques. (See Rousanet, Louis, assignor.)
Compagnie Francaise des Metaux. (See Chartier, René L., assignor.)
Compagnie pour la Fabrication des Compteurs et Materiel d'Usines à Gaz. (See Millet, Laurent, assignor.)
Compton, James R., Kewanna, Ind. Apparatus for constructing walls of concrete. 1,561,217; Nov. 10.
Concrete Pipe Company. (See Easterday, Phil, assignor.)
Condit Electrical Manufacturing Company. (See Burnham, George A., assignor.)
Conrad, George J., Baltimore, Md. Plastering machine. 1,560,666; Nov. 10.
Cook, William R. C., Seattle, Wash. Adjustable building form for concrete construction. 1,560,976; Nov. 10.
Cooke, George T., New York, N. Y. Safety lock. 1,561,218; Nov. 10.
Cooke, Leo E., Denver, Colo. Smoker's article. 1,560,538; Nov. 10.
Cooper, William D., assignor of forty-nine two-hundreths to H. Weiller and forty-nine two hundredths to R. C. Sweet, St. Paul, Minn. Identifying means for motor vehicles. 1,560,539; Nov. 10.
Corke, Ruloff D., Yonkers, N. Y. Packing ring. 1,561,310; Nov. 10.
Cory, Charles, & Son, Inc. (See Grierson, Paul S., assignor.)
Cory, Chas., & Son, Incorporated. (See Wood, Frank W., assignor.)
Cory, Samuel I., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Means for preventing electrical interference. 1,560,540; Nov. 10.
Coughlin, James M., Kingston, Pa. Shipping can. 1,561,141; Nov. 10.
Coulson, Edward. (See Blum, B., Cole, and Coulson.)
Cover, Ralph, assignor to the United Machinery Company, Westminster, Md. Machine for debutting corn. 1,560,977; Nov. 10.
Cowan Truck Company. (See Eaton, James M.)
Coyle, John, Everson, assignor of one-half to A. Cohen, Connellsville, Pa. Paper-hanging device. 1,560,765; Nov. 10.
Craig, James W., Providence, R. I. Draft-regulating device. 1,561,311; Nov. 10.
Crescent Machine Company, The. (See Wilderson, Clinton G., assignor.)
Crites, Joe, Evanston, assignor to Raymond Brothers Impact Pulverizer Co., Chicago, Ill. Reversible mill. 1,560,766; Nov. 10.
Criqui, Charles A. (See Sherbondy, Earl H., assignor.)
Crisson, George, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Testing circuits for echo suppressors. 1,560,543; Nov. 10.
Crisson, George, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Testing circuit for echo suppressors. 1,560,544; Nov. 10.
Crompton & Knowles Loom Works. (See Richardson, Oscar W., assignor.)
Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Railway brake beam. 1,561,058; Nov. 10.
Crosswhite, Cecile E., Kansas City, Mo. Vanity case. 1,560,767; Nov. 10.
Crowder, Raymond, Raleigh, N. C. Apparatus for measuring and dispensing liquids. 1,560,687; Nov. 10.
Crowe, Francis T., Denver, Colo. Excavating bucket. 1,560,895; Nov. 10.
Crump, Charles W., Altoona, Pa. Ladder. 1,560,978; Nov. 10.
Crystal Fixture Co. (See Waaler, George B., assignor.)
Culver, Frank S., assignor to American Flyer Mfg. Co., Chicago, Ill. Motor and headlight control mechanism for toy electric locomotives. 1,561,411; Nov. 10.
Cunningham, Katherine E., assignor to The H. W. Gossard Co., Chicago, Ill. Corset. 1,560,545; Nov. 10.
Curtis, Alfred S., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone set. 1,560,768; Nov. 10.
Curtis Corporation, The. (See Addison, Amos I., assignor.)
Cutler, Arthur E., and P. A. Marsden, Newcastle, Australia. Apparatus for forming or shaping articles from sheet material. 1,561,312; Nov. 10.
Cutler-Hammer Mfg. Co., The. (See Evans, Clarence T., assignor.)
Cutler-Hammer Mfg. Co., The. (See Mortensen, Niels L., assignor.)
Cutten, Leverett H. (See Josephs, L. C., jr., and Cutten.)
Danko, Golfred, Chicago, Ill. Valve lock. 1,561,059; Nov. 10.
David, John. (See Ladue, Ralph E., assignor.)
Davidson, John A., Brooklyn, N. Y. Slitter and perforator for cylinder and Kelly presses. 1,560,546; Nov. 10.
Davis, Glenn L., and F. W. Lampton, Springfield, Mo. Whistle-operating mechanism. 1,561,412; Nov. 10.
Davis, Tenney L., Somerville, Mass. Coating for nitrocellulose powder grains. 1,561,219; Nov. 10.
Dawson, George H., and H. F. Frease, Boston, Mass. Trussed structure. 1,560,979; Nov. 10.
De Camp, William S., Chillicothe, Ohio. Automatic slack adjuster for air brakes. 1,560,980; Nov. 10.
De Graaff, Antonius, and D. Lely, jr., Eindhoven, Netherlands, assignors, by mesne assignments, to General Electric Company. Manufacture of incandescent lamps. 1,560,981; Nov. 10.
Delamar, Eldad S., Durham, N. C. Retainer. 1,560,668; Nov. 10.
De La Mare, Thomas, Tooele City, Utah. Concrete-culvert mold. 1,560,811; Nov. 10.
De Lan, Eugene A., assignor to Shenango Pottery Co., New Castle, Pa. China plate or similar article. Des. 68,692; Nov. 10.
Dennedy, James H., Detroit, Mich. Packing for shafts. 1,560,669; Nov. 10.
Descarries, Adélard, Montreal, Quebec, Canada. Multiple-disk brake. 1,561,413; Nov. 10.
De Vault, Ralph P., assignor to H. L. Clarke, Chicago, Ill. Motion-picture apparatus. 1,561,060; Nov. 10.
De Vries, George, assignor to Mid-States Gummed Paper Company, Chicago, Ill. Straightening and stretching machine. 1,560,670; Nov. 10.
Dewandre, Albert, Liege, Belgium. Motor brake. 1,560,896; Nov. 10.
Dexter, Lucien A., Grand Rapids, Mich. Door latch. 1,560,897; Nov. 10.
Dexter, Lucien A., Grand Rapids, Mich. Latch. 1,560,898; Nov. 10.
D-Flecto Light Company. (See Smith, Melvin R., assignor.)
Dickinson, Joseph H., Montclair, N. J., assignor to Lidgerwood Manufacturing Company, New York, N. Y. Hoisting and conveying device. 1,561,061; Nov. 10.
Dillman, John L., Lemont, Ill. Nail socket. 1,561,414; Nov. 10.
Dittrich, August C., Chicago, Ill. Coin-controlled mechanism. 1,560,671; Nov. 10.
Doak, Egbert O., Canistota, S. Dak. Differential. 1,560,672; Nov. 10.
Doane, Leroy C., Cleveland, Ohio, assignor, by mesne assignments, to The Miller Company, Meriden, Conn. Lighting fixture. 1,560,547; Nov. 10.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-applying connection. 1,560,769; Nov. 10.
Dodge, Charles H., Chicago, Ill. Truck underframe construction. 1,561,313; Nov. 10.
Doehler Die-Casting Co. (See Rau, H., and Chapple, assignors.)
Doehler Die-Casting Co. (See Stern, Marc, assignor.)
Doerr, Harry E., assignor to Scullin Steel Co., St. Louis, Mo. Side frame for trucks. 1,561,314; Nov. 10.
Dolan, Timothy, Manchester, N. H. Electric heater for automobile radiators. 1,560,673; Nov. 10.
Dornier, Claudius, Friedrichshafen-on-the-Bodensee, assignor to Dornier Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Flying machine. 1,560,899; Nov. 10.
Dornier Metallbauten Gesellschaft mit beschrankter Haftung. (See Dornier, Claudius, assignor.)
Dorton, John M., Bonner Springs, Kans. Dirigible headlight. 1,560,548; Nov. 10.
Douglas, Smith W., Eurdora, Ark. Rotary toothbrush. 1,561,062; Nov. 10.
Draper Corporation. (See Brooks, John C., assignor.)
Draper Corporation. (See Stone, Melvin L., assignor.)
Dresner, Louis, Bronx, N. Y. Glare eliminator. 1,561,415; Nov. 10.
Drew, George, assignor of one-half to W. S. Chandler, Montreal, Quebec, Canada. Hinged window. 1,561,416; Nov. 10.
Drewsen, Viggo, Larchmont, assignor to West Virginia Pulp and Paper Company, New York, N. Y. Treating waste sodium monosulphite liquors. 1,560,900; Nov. 10.
Driver, Edwin F., Chicago, Ill. Phonograph. 1,560,674; Nov. 10.
Droll, Joseph, Fostoria, Ohio. Deflector for automobile headlights. 1,561,417; Nov. 10.
Dubied Machinery Company. (See Hunsiker, A., and Hirsch, assignors.)
Du Bois, C. L. (See Jenkins, Addie, assignor.)
Duda, Oswald, assignor to Reed Roller Bit Company, Houston, Tex. Tool for straightening tubes. 1,561,418; Nov. 10.
Dunbar, Frank H. (See Allen, Frank B., assignor.)
Duncan, William, Los Angeles, Calif. Massage exerciser. 1,560,549; Nov. 10.





Dunigan, Edward J., Muskogee, Okla. Drill jar. 1,561,419; Nov. 10.
Dunkerley, William H., Paterson, N. J. Hydrocarbon burner. 1,560,550; Nov. 10.
Dunlap, Matthew E., Madison, Wis. Method and apparatus for making plywood. 1,561,063; Nov. 10.
Dunlea, John M., Los Angeles, Calif. Headlight lens. 1,560,703; Nov. 10.
Du Pont, E. I., de Nemours & Company. (See Haon, Harry J., assignor.)
Dura Company, The (See Nicholson, Stanley W., assignor.)
Duryea, Charles E., Philadelphia, Pa., assignor to Reo Motor Car Company, Lansing, Mich. Cooling system. 1,560,901; Nov. 10.
Eagle Rubber Company, The. (See Gill, Harry R., assignor.)
Easterday, Phil, assignor to Concrete Pipe Company, Portland, Oreg. Concrete-pipe joint, means and forming the same. 1,560,931; Nov. 10.
Eastman Kodak Company. (See Capstaff, John G., assignor.)
Eastman Kodak Company. (See Carroll, Stewart J., assignor.)
Eastman Kodak Company. (See Farrow, Edward S., jr., assignor.)
Eastman Kodak Company. (See Flynn, Edward P., assignor.)
Eastman Kodak Company. (See Jones, John G., assignor.)
Eastman Kodak Company. (See Speidel, Charles F., assignor.)
Eastman Kodak Company. (See Sulzer, Albert F., assignor.)
Eaton, James M., et al., trustees. (See Eaton, James M., assignor.)
Eaton, James M., assignor to E. N. White, J. L. Wyckoff, and J. M. Eaton, Holyoke, Mass., trustees, doing business as Cowan Truck Company. Elevating truck. 1,560,675; Nov. 10.
Eaton, James M., assignor to E. N. White, J. L. Wyckoff, and J. M. Eaton, Holyoke, Mass., trustees, doing business as Cowan Truck Co. Elevating truck. 1,560,676; Nov. 10.
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Thermal responsive circuit controller. 1,560,932; Nov. 10.
Eckert, Charles, and E. H. Rutledge, Shaunavon, Canada. Drain plug for radiators. 1,560,902; Nov. 10.
Edgar, John, assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Hob-grinding machine. 1,561,064; Nov. 10.
Eger, Ernst, assignor to Morgan & Wright, Detroit, Mich. Cushion tire. 1,560,551; Nov. 10.
Eggleston, Lewis W., Buffalo, assignor to American Radiator Company, New York, N. Y. Expansible collapsible element. 1,561,065; Nov. 10.
Eiche, Frederick, Lincoln, Nebr. Device for cleaning smoking pipes. 1,560,903; Nov. 10.
Eiseman Kaye Company. (See Kaye, Joseph M., assignor.)
Elite Manufacturing Company. (See Burkholder, J. H., and Chater, assignors.)
Elkins, Charles E., and T. B. Smith, Waco, Tex. Vending machine. 1,560,677; Nov. 10.
Ellard, Jefferson, Texhoma, Okla. Dental device. 1,560,904; Nov. 10.
Ellert, Charles O., Brooklyn, N. Y. Sanitary attachment for Telephone mouthpieces. 1,560,678; Nov. 10.
Elliott, Fred D., Sault Ste. Marie, Mich. Frame for license plates. 1,561,420; Nov. 10.
Elliott, William S., Pittsburgh, Pa. Water heating and circulating system. 1,560,679; Nov. 10.
Electro Dynamic Company. (See Heitman, E., and Trudeau, assignors.)
Electrolite Products Co. (See Maraffi, Emilio A., assignor.)
Elsaesser, Emil, Barmen-Langerfeld, and W. sur Löwen, Barmen-Rittershausen, Germany, assignors, by mesne assignments, to American Bemberg Corporation. Gutter or channel for treating artificial threads or yarns, particularly imitation-silk yarns, with acids or an acid-containing liquor. 1,561,445; Nov. 10.
Elsey, Philip C., Pittsburgh, Pa. Vessel. 1,561,142; Nov. 10.
Emura, Umejiro, assignor to Teiji Yamanouchi, Tokyo, Japan. Galvanizing flux. 1,560,933; Nov. 10.
Enciso, Blas, assignor of one-half to M. M. Aguilar, Los Angeles, Calif. Baking machine. 1,561,315; Nov. 10.
Engel, Leo, Asbury, N. J. Station finder for time tables. 1,561,220; Nov. 10.
Erickson, Torlief G., Providence, R. I. Game. 1,561,421; Nov. 10.
Erie Steam Shovel Company. (See Armstrong, Edwin J., assignor.)
Ernst, Harry J., assignor to The D. T. Williams Valve Company, Cincinnati, Ohio. Cover-cap lock. 1,561,422; Nov. 10.
Eschholz, Otto H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,561,316; Nov. 10.
Eshelman, Willis, Lampeter, Pa. Heating device for incubators. 1,651,317; Nov. 10.
Esterbrook, Lee W., Washington, D. C. Sound-reproducing instrument. 1,560,552; Nov. 10.
Estes, George L., Oklahoma City, Okla. Traffic signal. Des. 68,693; Nov. 10.
Estes, Walker S., Tulsa, Okla. Derrick. 1,560,905; Nov. 10.
Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. 1,560,553; Nov. 10.
Evans, John, Melville Station, Newport County, R. I. Check protector. 1,561,423; Nov. 10.
Everstam, Johan G., Sundsvall, Sweden. Adjustable self-closing valve. 1,560,770; Nov. 10.
Ewing, Herbert O., Middleport, Ohio. Internal-combustion engine. 1,561,442; Nov. 10.
Excella Pattern Company. (See Hersberg, Max, assignor.)
Exel, George, Clifton, N. J. Helicopter. 1,561,424; Nov. 10.
Faber, Herbert A., assignor to The Formica Insulation Company, Cincinnati, Ohio. Tube-forming machine. 1,561,143; Nov. 10.
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Fairbanks Co., The. (See Adams, Edward T., assignor.)
Famous Players-Lasky Corporation. (See Garbutt, F. E., and Fear, assignors.)
Farbenfabriken vorm. Friedr. Bayer and Co. (See Stüsser, Richard, assignor.)
Farr, Edward A., assignor to Manning, Bowman & Company, Meriden, Conn. Urn or similar article. Des. 68,694; Nov. 10.
Farr, Edward A., assignor to Manning, Bowman & Company, Meriden, Conn. Coffeepot or similar article. Des. 68,695; Nov. 10.
Farr, Frederick G., New York, N. Y. Hydraulic oil-delivery system. 1,561,066; Nov. 10.
Farrow, Edward S., jr., assignor to Eastman Kodak Company, Rochester, N. Y. Treating cellulose-acetate reaction mixtures. 1,560,554; Nov. 10.
Fay, Thomas J., Brooklyn, N. Y. Vehicle construction. 1,561,221; Nov. 10.
Fear, Ralph G. (See Garbutt, F. E., and Fear.)
Feichter, John, Chicago, Ill. Combination valve. 1,560,771; Nov. 10.
Fernandes, Joseph S., Hartford, Conn. Stable cleaner. 1,560,680; Nov. 10.
Fernandes, Hugo R., Habana, Cuba. Thermostatic switch. 1,561,425; Nov. 10.
Ferree, Marvin, New York, N. Y., and J. Wissmar, Cleveland, Ohio, assignors to Pacific and Atlantic Photos, Inc., New York, N. Y. Phototelegraphic transmitting plate. 1,561,067; Nov. 10.
Ferris, Ralph E. (See Storer, N. W., and Ferris.)
Fessenden, Reginald A., Newton, Mass., assignor to Submarine Signal Company, Portland, Me. Apparatus for directive signaling. 1,561,441; Nov. 10.
Fibroc Insulation Company. (See Frederick, Louis T., assignor.)
Filbert, Harry M. (See Collison, J. G., Frank, and Filbert.)
Fine, Bernard M., East Orange, N. J. Rotary fluid-pressure apparatus. 1,561,068; Nov. 10.
Finlay, Edgar G., Los Angeles, Calif. Method of and apparatus for aerial advertising. 1,560,906; Nov. 10.
Firestone Tire and Rubber Co., The. (See Brown, Roy W., assignor.)
Firestone Tire and Rubber Company, The. (See Bush, Albert A., assignor.)
Fischbacher, Philip, Chicago, Ill. Stuffing box. 1,561,426; Nov. 10.
Fischman, L. & Sons. (See Morlok, William, assignor.)
Fisher, Arthur C., North St. Paul, Minn. Grease container. 1,560,681; Nov. 10.
Fisher, David O. (See Unruh, Albert A., assignor.)
Fittall, William J., Lanham, Md. Check. 1,561,069; Nov. 10.
Fitz Gerald, Alan S., Finchley, England, assignor to General Electric Company. Alternating-electric-current protective apparatus. 1,560,934; Nov. 10.
Fitzgerald, William E. F., and T. Bottom, Birmingham, England. Identification device or disk to be attached to hand bags or other goods of leather or like material. 1,560,682; Nov. 10.
Fitzpatrick, Charles H., et al. (See Spinney, Edmund S., assignor.)
Fitzpatrick, Jeremiah, et al. (See Spinney, Edmund S., assignor.)
Flath, Otto S., et al. (See Woodman, George A., assignor.)
Flautt, Melvin A., Waynesboro, Pa. Automobile headlamp. 1,560,907; Nov. 10.
Florman, Irving, New York, N. Y. Attachment for temperature-indicating devices. 1,560,935; Nov. 10;
Flynn, Edward P., assignor to Eastman Kodak Company, Rochester, N. Y. Package of sensitised material. 1,560,555; Nov. 10.
Foley, Joel Y., Linden, Mo. Insect shield for animals. 1,560,683; Nov. 10.
Foote, Charles E., assignor to The Foote Company, Inc., Nunda, N. Y. Discharge mechanism for concrete pavers. 1,561,144; Nov. 10.
Foote Company, The. (See Foote, Charles E., assignor.)

**Force, Jonathan, Livingston, N. J., assignor to General Electric Company.** Mercury-vapor device. 1,560,936; Nov. 10.

**Ford, Eugene A., Newton, Mass., assignor to R. B. D. Engine Company, Inc., New York, N. Y.** Fuel injection and mixing means for internal-combustion engines. 1,560,556; Nov. 10.

**Formica Insulation Company, The.** (See Faber, Herbert A., assignor.)

**Fornaca, Guido, Turin, Italy.** Speed reducer and reverse gear for internal-combustion engines. 1,560,982; Nov. 10.

**Forner, Curtis K., Oakland, Calif.** Aircraft. 1,561,318; Nov. 10.

**Forsberg, Carl T., Mountain View, N. J.** Marking castings. 1,561,427; Nov. 10.

**Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company.** Electrical device. 1,561,145; Nov. 10.

**Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company.** Balanced electrostatic phase converter. 1,561,146; Nov. 10.

**Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company.** Electrical measuring device. 1,561,147; Nov. 10.

**Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company.** Single-phase distributing method and system. 1,561,319; Nov. 10.

**Fowler, Del Roy F., Melrose Park, Pa.** Packing material for upholstery. 1,560,772; Nov. 10.

**Fowler, Del Roy F., Melrose Park, Pa.** Tool for filling upholstery pockets. 1,560,773; Nov. 10.

**Fowler, William S., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass.** Cover paper. Des. 68,696; Nov. 10.

**Fox, John C.** (See Warner, J. R., and Fox.)

**Fox, Tobias, Toronto, Ontario, Canada.** Potato digger. 1,561,148; Nov. 10.

**Frank, Walter N.** (See Collison, J. G., Frank, and Filbert.)

**Fraser, William M., Bristow, Okla.** Apparatus for distillation. 1,561,428; Nov. 10.

**Frease, Hurxthal F.** (See Dawson, G. H., and Frease.)

**Frederick, Louis T., assignor to Fibroc Insulation Company, Valparaiso, Ind.** Composite gear. 1,561,222; Nov. 10.

**Fremon, Jules A., Leeper, Mo.** Master-keyed lock. 1,561,223; Nov. 10.

**Freund, Willy, Chemnitz, Germany.** Spinning machine. 1,560,557; Nov. 10.

**Fried. Krupp Aktiengesellschaft.** (See Wollers, Georg, assignor.)

**Fritsche, Richard, Lippstadt, Germany.** Electrical soldering device. 1,561,224; Nov. 10.

**Frost, George E., jr.** (See Hannam, George F., assignor.)

**Fry, Jacob R., assignor to Western Electric Company, Incorporated, New York, N. Y.** Measuring time. 1,561,225; Nov. 10.

**Fujiyama, Tsuneichi, Tokyo, Japan.** Process of and apparatus for producing cement. 1,561,070; Nov. 10.

**Fulkerson, Charles M.** (See Harris, John, assignor.)

**Fulton Company, The.** (See Giesler, Jean V., assignor.)

**Fulton, Harry R., and J. J. Bowman, Washington, D. C.** Prevention of decay of citrous fruits. 1,560,558; Nov. 10.

**Fulton, Harry R., and J. J. Bowman, Washington, D. C.** Preservation of fresh fruits and vegetables. 1,560,559; Nov. 10.

**Furber, Frederick M., Beachmont, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J.** Machine and method applicable to the cutting of sheet material. 1,560,794; Nov. 10.

**Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J.** Making molded articles. 1,560,795; Nov. 10.

**Fykse, Mitchell L.** (See Bager, S. R. W. M., and Fykse.)

**G. R. S. Products, Inc.** (See Merkel, Joseph F., assignor.)

**Gage, Harold L., Salem, assignor of one-third to F. F. Burva, Woodburn, Oreg.** Light-projecting lens. 1,561,149; Nov. 10.

**Gammon, Samuel F., Jacksonville, Fla., assignor to The International Association of Civitan Clubs, Birmingham, Ala.** Button. Des. 68,697; Nov. 10.

**Garbutt, Frank E., and R. G. Fear, Los Angeles, Calif., assignors to Famous Players-Lasky Corporation.** Intermittent movement. 1,560,908; Nov. 10.

**Gardiner, Irwin A., Chicago, Ill.** Heating attachment. 1,560,560; Nov. 10.

**Garvin, John S., Bogota, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y.** Relay. 1,560,774; Nov. 10.

**Gautschy, Otto, et al.** (See Schauman, Bror M., assignor.)

**Gem Shirt Company, The.** (See Naylor, Robert C., assignor.)

**Gemberg, Gosta.** (See McBain, B. T., Alexander, and Gemberg.)

**General Electric Company.** (See De Graaff, A., and Lely, assignors.)

**General Electric Company.** (See Eaton, John, assignor.)

**General Electric Company.** (See Fitz Gerald, Alan S., assignor.)

**General Electric Company.** (See Force, Jonathan, assignor.)

**General Electric Company.** (See Langmuir, Irving, assignor.)

**General Electric Company.** (See Paul, William E., assignor.)

**General Electric Company.** (See Thompson, L. W., and McNairy, assignors.)

**General Engineering Company.** (See Genter, Albert L., assignor.)

**General Motors Corporation.** (See Weiss, Jay G., assignor.)

**General Street Signal Corporation.** (See Ruddick, John J., assignor.)

**General Tire and Rubber Company, The.** (See Iredell, Robert, assignor.)

**General Motors Corporation.** (See White, John W., assignor.)

**General Motors Research Corporation.** (See Asire, Horace W., assignor.)

**General Motors Research Corporation.** (See John, William E., assignor.)

**General Motors Research Corporation.** (See Kettering, Charles F., assignor.)

**General Motors Research Corporation.** (See Short, Charles R., assignor.)

**Genter, Albert L., assignor of one-half to General Engineering Company, Salt Lake City, Utah.** Thickening process. 1,560,796; Nov. 10.

**Geoghegan, Walter F., Great Neck, assignor to Gillis & Geoghegan, Inc., New York, N. Y.** Hoisting apparatus. 1,561,226; Nov. 10.

**Geometric Tool Co., The.** (See Brietenstein, Albert F., assignor.)

**Gerber, Ralph, assignor to American Manufacturing & Sales Co., Raymond, Wash.** Reversing gears. 1,561,150; Nov. 10.

**Gernsback, Hugo, New York, N. Y.** Radiohorn. 1,560,684; Nov. 10.

**Geyer, Harvey D., assignor, by mesne assignments, to The Inland Manufacturing Company, Dayton, Ohio.** Handwheel. Des. 68,698; Nov. 10.

**Gharring, Otis W., Kingman, Ariz.** Sheet-music cabinet. 1,561,151; Nov. 10.

**Gibbons, Richard, assignor to M. A. Kenney, Brooklyn, N. Y.** Aerial landing and launching apparatus. 1,560,775; Nov. 10.

**Gibbs, Benjamin H., and C. V. Stewart, Phoenix, Ariz.** Trailer boat. 1,560,983; Nov. 10.

**Gibson, William W., Alamada, Calif.** Impact amalgamator. 1,561,152; Nov. 10.

**Giesler, Jean V., assignor to The Fulton Company, Knoxville, Tenn.** Engine-cooling system. 1,561,153; Nov. 10.

**Gifford, Albert J., Shrewsbury, and B. S. T. Bishop, Worcester, Mass., assignors to Leland-Gifford Company.** Clutch for power feed. 1,560,776; Nov. 10.

**Gilchrist Company, The.** (See Jembrzycki, Stanley J., asignor.)

**Gildersleeve, Earl J., Maybrook, N. Y., assignor of one-fourth to A. H. Bawden, jr., Park Ridge, N. J.** Automatic train-control device. 1,561,429; Nov. 10.

**Gill, Harry R., assignor to The Eagle Rubber Company, Ashland, Ohio.** Toy camera. 1,560,909; Nov. 10.

**Gillis & Geoghegan, Inc.** (See Geoghegan, Walter F., assignor.)

**Gilman, George H., Boston, Mass.** Impact-testing apparatus. 1,560,685; Nov. 10.

**Gilman, George H., Boston, Mass.** Impact-testing apparatus. 1,561,154; Nov. 10.

**Glass, Frederick R., New York, N. Y.** Amusement device. 1,561,071; Nov. 10.

**Glidden, Alfred A., and F. D. Bean, assignors to Hood Rubber Company, Watertown, Mass.** Footwear. 1,561,430; Nov. 10.

**Glidric, Charles, and M. Bates, Memphis, Tenn.** Windshield wiper. 1,561,320; Nov. 10.

**Glowacki, John B., Chicago, Ill.** Attachable indicator for fuses. 1,560,777; Nov. 10.

**Goddard, Frederick M., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y.** Antiinduction device. 1,560,778; Nov. 10.

**Goddard, John W., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J.** Eyeleting machine. 1,560,561; Nov. 10.

**Going, George G., Middletown, Conn., assignor, by mesne assignments, to Remington-Noiseless Typewriter Corporation.** Typewriting machine. 1,561,450; Nov. 10.

**Goldberg, Jacob M.** (See Goldberg, Louis B., N., J. M., and W.)

**Goldberg, Louis B., N., J. M., and W., Denver, Colo.** Gasoline camp stove. Re16,203; Nov. 10.

**Goldberg, Nathan.** (See Goldberg, Louis B., N., J. M., and W.)

**Goldberg, William.** (See Goldberg, Louis B., N., J. M., and W.)

**Golding, John F., New York, N. Y.** Door holder. 1,560,562; Nov. 10.

**Goldstein, Morris, Buffalo, N. Y.** Vehicle bumper. 1,561,155; Nov. 10.

**Golinik, Arthur T., New York, N. Y.** Box or similar container. Des. 68,699; Nov. 10.





**Goodman, Max, New York, N. Y.** Doll or similar article. Des. 68,700; Nov. 10.

**Goodman, Milton, New York, N. Y.** Vacuum cleaner. 1,561,321; Nov. 10.

**Goodspeed Machine Company.** (See Hall, Walter H., assignor.)

**Gorbutt, Sidney B., assignor to Willamette Iron and Steel Works, Portland, Oreg.** Logging engine. 1,560,984; Nov. 10.

**Gorton, Walter T., U. S. Army.** Combination mount for machine guns. 1,560,563; Nov. 10.

**Gorton, Walter T., U. S. Army.** Combination mount for machine guns. 1,560,564; Nov. 10.

**Gosker, Thomas A., Burnham-on-Sea, England.** Manufacture of fuel briquettes. 1,561,322; Nov. 10.

**Gossard, H. W., Co., The.** (See Cunningham, Katherine E., assignor.)

**Gould, Herman.** (See Ackermann, F., Langhaus, and Gould.)

**Graham, James H., Torrington, Conn.** Wire spoke for wheels. 1,560,565; Nov. 10.

**Grant, Albert E., New York, N. Y., assignor, by mesne assignments, to Grant Oil Burner Corporation, Wilmington, Del.** Oil burner. 1,560,566; Nov. 10.

**Grant, Jordan W., Portsmouth, Va.** Water-relief valve. 1,560,567; Nov. 10.

**Grant Oil Burner Corporation.** (See Grant, Albert E., assignor.)

**Grant, William.** (See Polson, W. R., and Grant.)

**Grasselli Chemical Company, The.** (See Buse, Otto H., assignor.)

**Greedy, Edward D., assignor to Le Febure Ledger Company, Cedar Rapids, Iowa.** Portable bookrack. 1,561,156; Nov. 10.

**Green, Hosea C.** (See Colson, E. B., and Green.).

**Greer, Edward R., assignor to W. O. Winston, jr., Minneapolis, Minn.** Trailer unloading mechanism. 1,561,157; Nov. 10.

**Gregg, John D., assignor to Reinforced Concrete Company, St. Louis, Mo.** Bar spacer. 1,561,323; Nov. 10.

**Grelck, William P. M., St. Paul, Minn.** Semisolid stock food and making the same. 1,561,158; Nov. 10.

**Grierson, Paul S., South Orange, N. J., assignor to Charles Cory & Son, Inc., New York, N. Y.** Radio loud-speaking receiver. 1,560,779; Nov. 10.

**Griffin, Alvah M.** (See Kramer, A. A., and Griffin.)

**Griggs, Elmer V., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y.** Carrier-current signaling system. 1,561,227; Nov. 10.

**Grinstead, Leslie.** (See Hayes, C. P. M., and Grinstead.)

**Groian Manufacturing Company, The.** (See Collison, J. G., Frank, and Filbert, assignors.)

**Gross, Allan J., Chicago, Ill.** Dry-pipe valve. 1,560,985; Nov. 10.

**Gruen Watch Company, The.** (See Schwettman, Harry W., assignor.)

**Guénot, Georges L., and G. Maurice, Los Angeles, Calif.** Decorated surface and producing same. 1,561,324; Nov. 10.

**Guérin, Emile, Paris, France.** Apparatus for examining keenness of vision and the chromatic or color sense. 1,560,780; Nov. 10.

**Hacker Manufacturing Co.** (See Christopherson, Alfred C., assignor.)

**Hackley, Philip B., Berkeley, Calif.** Plow. 1,561,325; Nov. 10.

**Hadley, Ralph T.** (See Andrew, J. M., and Hadley.)

**Haines, George D., assignor to Vaughan & Bushnell Manufacturing Company, Chicago, Ill.** Manufacture of carpenters' planes. 1,560,568; Nov. 10.

**Hair, Hardy H., Newport Beach, and C. E. Sutton, Los Angeles, Calif.** Device for taking core samples in rotary drilling. 1,560,781; Nov. 10.

**Hall, Walter H., Winchendon, Mass., assignor to Goodspeed Machine Company.** Heel-shaping machine. 1,560,782; Nov. 10.

**Halpin, Abraham, New York, N. Y.** Traveling-case cover. 1,560,783; Nov. 10.

**Hamill, Bernard A.** (See Wilkinson, W. J., and Hamill.)

**Hamilton, De Witt C., assignor to The Bartlett-Collins Glass Company, Sapulpa, Okla.** Manufacture of glassware. 1,560,784; Nov. 10.

**Hamilton, Perry H., Mount Washington, Md., assignor to The P & M Company, Chicago, Ill.** Rail anchor. 1,560,785; Nov. 10.

**Hammer, Charles, Hollis Court Boulevard, Queens County, N. Y.** Metal cap or closure. 1,560,569; Nov. 10.

**Hammer, Charles, Queens, assignor to American Metal Cap Company, Brooklyn, N. Y.** Band-lug closure. 1,560,986; Nov. 10.

**Hammer, Charles, Queens, assignor to American Metal Cap Company, Brooklyn, N. Y.** Band-lug closure. 1,561,431; Nov. 10.

**Hammersmith, William C., Denver, Colo.** Attachment for printing presses. 1,560,570; Nov. 10.

**Hammond, John H., jr., Gloucester, Mass.** Capacity compensating device. 1,561,228; Nov. 10.

**Hampden Glazed Paper & Card Company.** (See Fowler, William S., assignor.)

**Hampden Glazed Paper & Card Company.** (See Marwede, Richard L., assignor.)

**Hanna, William T., Cincinnati, Ohio.** Regulating means for conveyers. 1,560,987; Nov. 10.

**Hannam, George F., Los Angeles, Calif., assignor of two-thirds to A. D. Kenworthy and one-third to G. E. Frost, jr., Portland, Oreg.** Apparatus for purifying talc and the like. 1,560,910; Nov. 10.

**Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J.** Hoist. 1,561,072; Nov. 10.

**Hansen, Harry F., Washington, D. C.** Headlight attachment. 1,560,812; Nov. 10.

**Hansmann, Paul, and H. Strack, Long Prairie, Minn., assignors, by mesne assignments, to said Hansmann.** Combined antiside draft plow hitch and tractor guide. 1,560,797; Nov. 10.

**Hanson, Embrik, Appleton, Minn.** Basket-mounting stone-setting tool. 1,560,786; Nov. 10.

**Hanson, William, Niagara, N. Dak.** Advertising device. 1,561,073; Nov. 10.

**Haon, Harry J., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del.** Making gimp. 1,561,229; Nov. 10.

**Hardie, James G., Canton, N. Y.** Sheet-feeding machine. 1,560,571; Nov. 10.

**Harris, John, assignor to C. M. Fulkerson, Cleveland, Ohio.** Dry-cell battery. 1,560,798; Nov. 10.

**Harrison, Lucius A., Hesperus, Colo.** Rock drill. 1,561,326; Nov. 10.

**Hart, Austin H., Greenwich, Conn., assignor, by mesne assignments, to Rome Radiation Company, Inc.** Radiator. Des. 68,701; Nov. 10.

**Harvey, Edward J., Racine, Wis.** Bumper. 1,561,074; Nov. 10.

**Harvey, Fred, et al.** (See Jinkens, John T., assignor.)

**Hase, Rudolf, Berlin, Germany, assignor, by mesne assignments, to Namlooze Vennootschap Finanziele Maatschapij "Driebergen," Amsterdam, Holland.** Recording phonograph. 1,560,686; Nov. 10.

**Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc.** Friction shock-absorbing mechanism. 1,560,813; Nov. 10.

**Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass.** Yarn spool. 1,561,230; Nov. 10.

**Hatton, Philip R., assignor to The Lebanon Machine Co. Inc., Lebanon, N. H.** Traffic signal. 1,560,572; Nov. 10.

**Hatz, Albert J., Prescott, Ariz.** Saw-sharpening machine. 1,561,231; Nov. 10.

**Hauber, Arthur H., Chicago, Ill.** Umbilical ligature. 1,560,687; Nov. 10.

**Hauff, John A., assignor to Lewis E. Myers and Company, Valparaiso, Ind.** Forming dustless crayons. 1,561,075; Nov. 10.

**Hawley, Charles G., assignor to Baker Wheel and Rim Company, Chicago, Ill.** Method and means for ferruling wooden spokes. 1,560,814; Nov. 10.

**Hayes, Charles P. M., and L. Grinstead, London, England, assignors to The Mullard Radio Valve Company Limited.** Vacuum tube. 1,560,911; Nov. 10.

**Hays Manufacturing Company.** (See Hitchcock, Otto G., assignor.)

**Heap, Jesse J., Nyack, N. Y., assignor to Union Special Machine Company, Chicago, Ill.** Overseaming machine. 1,560,988; Nov. 10.

**Heaps, Joseph, Methuen, assignor to G. M. Arragg, Lawrence, Mass.** Lifter motion for cap-spinning frames. 1,560,787; Nov. 10.

**Hedglon, Mead, Syracuse, N. Y.** Portable ironing machine. 1,560,989; Nov. 10.

**Hedglon, Mead, Syracuse, N. Y.** Portable ironing machine. 1,560,990; Nov. 10.

**Hedrick, Sam L., Wewoka, Okla., assignor to International Patent Corporation of America.** Bailer. 1,561,327; Nov. 10.

**Heinas, Christian F., sr., Fort Madison, Iowa.** Earth-spading device. 1,560,573; Nov. 10.

**Heints, Ernest E., assignor to Ternstedt Manufacturing Company, Detroit, Mich.** Window-regulator drum. 1,560,991; Nov. 10.

**Heisch, Edmund.** (See Queneau, Augustin L. J., assignor.)

**Heitman, Edward, Jersey City, and J. F. Trudeau, assignors to Electro Dynamic Company, Bayonne, N. J.** Journal bearing and housing. 1,561,076; Nov. 10.

**Helmeche, Harry, et al.** (See Rose, Elias B., assignor.)

**Henderson, Albert H., Baltimore, Md.** Extraction of copper from the matte. 1,560,574; Nov. 10.

**Hendler, Lionel M., Baltimore, Md.** Vehicle body. 1,561,328; Nov. 10.

**Herm, Bertram Hallesche Dampfbackofenfabrik Hallesche Misch- und Knetmaschinenfabrik.** (See Mohr, Wilhelm A. H., assignor.)

**Herpel, Harry C., et al.** (See McGrann, Edward R., assignor.)

**Hertel, Richard K., Los Angeles, Calif.** Thermostatic control. 1,560,992; Nov. 10.

**Hersberg, Max, assignor to Excella Pattern Company, Inc., New York, N. Y.** Pattern and pattern set. 1,560,688; Nov. 10.

**Heyn, Gertrude H.** (See Jahn, B., and Kahl, assignors.)

**Heywood-Wakefield Company.** (See Wild, Alfred, assignor.)

**Higbee, Ray P., Wilkinsburg, Pa., assignoar to Westinghouse Electric & Manufacturing Company.** Elevator-control system. 1,561,232; Nov. 10.

**Higham, Arthur C.** (See Higham, John, assignor.)

Higham, John, assignor to A. C. Higham, Los Angeles, Calif. Folding stove. 1,560,799; Nov. 10.

Hill, Willis A., Tulsa, Okla. Well torpedo. 1,560,815; Nov. 10.

Hirsch, Frank, New York, N. Y. Toy. 1,561,077; Nov. 10.

Hirsch, Sam. (See Hunziker, A., and Hirsch.)

Hitchcock, Otto G., assignor to Hays Manufacturing Company, Erie, Pa. Soap dish. 1,561,432; Nov. 10.

Hoberecht, Albert, assignor of one-half to E. McKain, Los Angeles, Calif. Feeding and distributing apparatus for roller mills. 1,560,800; Nov. 10.

Hocks, Oscar R., Janesville, Wis. Headlight. 1,561,078; Nov. 10.

Hoey, Samuel C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Die casting. 1,561,233; Nov. 10.

Hohmann, Wilhelm, Delitzsch, near Halle, assignor to Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Apparatus for treating artificial threads wound on bobbins. 1,560,575; Nov. 10.

Hohmann, Wilhelm, Delitzsch, near Halle-on-the-Saale, assignor to Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Packing for X-ray films. 1,560,993; Nov. 10.

Hollenbeck, Genevieve R., et al. (See Rose, Elias B., assignor.)

Hollenbeck, William J., et al. (See Rose, Elias B., assignor.)

Holley, Earl. (See Meloche, Daniel H., assignor.)

Holley, Thomas W., Ranger, Tex. Sand-reel pedestal and control mechanism. 1,560,816; Nov. 10.

Holt, Raymond B. (See Holt, William and R. B.)

Holt, William, Paterson, and R. B. Holt, Bloomfield, N. J. Combined outlet nozzle and measuring valve. 1,560,689; Nov. 10.

Homiak, George, Newmarket, N. H. Demountable rim for vehicle wheels. 1,560,576; Nov. 10.

Hood Rubber Company. (See Glidden, A. A., and Bean, assignors.)

Hoosick Falls Radio Parts Manufacturing Company. (See Barns, Frank H., assignor.)

Hope, John F., Kansas City, Mo. Wood-drying apparatus. 1,560,817; Nov. 10.

Hopkins, Richard M., Rutherford, N. J., assignor to American District Telegraph Company, New York, N. Y. Automatic supervisory signaling system. 1,561,234; Nov. 10.

Hopwood, John M., Dormont, Pa., assignor, by mesne assignments, to The Bonnot Company, Canton, Ohio. Method of and apparatus for pulverizing material. 1,561,235; Nov. 10.

Horner, J. A. (See Sims, Mirabeau, assignor.)

Houldsworth, Wallace M., Royal Oak, Mich. Piston packing. 1,560,818; Nov. 10.

Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,560,690; Nov. 10.

Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,560,691; Nov. 10.

Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,560,692; Nov. 10.

Huffman, Elbert A., Poncho Springs, assignor of one-half to H. J. Beck, Salida, Colo. Self-binder knotter. 1,560,819; Nov. 10.

Hull, Matthew R., assignor to Rex Manufacturing Company, Connersville, Ind. Connecting means for two-part automobile doors. 1,560,788; Nov. 10.

Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Generator mounting for railway cars. 1,560,577; Nov. 10.

Humfrey, George W., Flint, Mich. Tire spreader. 1,561,079; Nov. 10.

Hummel, Frederick E., and J. J. Noeth, Chicago, Ill. Bread toaster. 1,560,578; Nov. 10.

Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum or similar article. Des. 68,702; Nov. 10.

Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum or similar article. Des. 68,703; Nov. 10.

Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum or similar floor covering. Des. 68,704; Nov. 10.

Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum or similar floor covering. Des. 68,705; Nov. 10.

Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum or similar Floor Covering. Des. 68,706; Nov. 10.

Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum or similar floor covering. Des. 68,707; Nov. 10.

Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum or similar floor covering. Des. 68,708; Nov. 10.

Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum or similar floor covering. Des. 68,709; Nov. 10.

Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum or similar floor covering. Des. 68,710; Nov. 10.

Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum or similar floor covering. Des. 68,711; Nov. 10.

Humphreys, Harry S., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum or similar floor covering. Des. 68,712; Nov. 10.

Humphreys, Harry S., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum or similar floor covering. Des. 68,713; Nov. 10.

Hunt, Elijah H., Montebello, Calif. Releasable combination socket. 1,561,236; Nov. 10.

Hunter, Percy E., assignor to Pittsburgh Annealing Box Company, Pittsburgh, Pa. Apparatus for welding metal. 1,560,820; Nov. 10.

Hunziker, Adolf, and S. Hirsch, Brooklyn, N. Y., assignors to Dubied Machinery Company. Jacquard-controlled yarn carrier for knitting machines. 1,561,237; Nov. 10.

Hurst, James, San Francisco, Calif. Liquid-level-maintaining device. 1,561,159; Nov. 10.

Iams, Frank M. Wheeling, W. Va. Vehicle signal. 1,561,238; Nov. 10.

India Tire and Rubber Company, The. (See Worth, Paul, assignor.)

Ingenthron, George, Hermosa, S. Dak. Wire-reel truck. 1,561,160; Nov. 10.

Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)

Ingersoll-Rand Company. (See Lear, Earl B., assignor.)

Inland Manfacturing Company, The. (See Geyer, Harvey D., assignor.)

International Association of Civitan Clubs. (See Gammon, Samuel F., assignor.)

International Motor Company. (See Josephs, L. C., jr., and Cutten.)

International Patent Corporation of America. (See Hedrick, Sam L., assignor.)

Ionides, Alexander C., jr., London, England. Air or other gaseous fluid heating furnace. 1,561,161; Nov. 10.

Iredell, Robert, assignor to The General Tire and Rubber Company, Akron, Ohio. Resilient tire. Des. 68,714; Nov. 10.

Iron Closet Bend Company. (See Smith, Michael J., assignor.)

Isele, Louis E., Glenridge, assignor to Beaver Machine & Tool Company, Newark, N. J. Socket terminal. 1,561,162; Nov. 10.

Jaenichen, Louis, Detroit, Mich. Control device for liquid receptacles. 1,560,823; Nov. 10.

Jacobi, Edward N., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,560,821; Nov. 10.

Jacobsen, Emil, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,560,822; Nov. 10.

Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,560,801; Nov. 10.

Jahn, Berthold, and E. E. Kahl, New Britain, assignors, by mesne assignments, to G. H. Heyn, Compo Cove, Westport, Conn. Staple binder. 1,561,163; Nov. 10.

James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Preserving wood. 1,561,164; Nov. 10.

Jameson, H. B. (See Thomas, Herbert F., assignor.)

Jembrzycki, Stanley J., Chicago, Ill., assignor, by mesne assignments, to The Gilchrist Company, Newark, N. J. Drink mixer. 1,560,693; Nov. 10.

Jenkins, Addie, assignor to C. L. Du Bois, Portland, Oreg. Pocket for aprons or other garments. 1,560,937; Nov. 10.

Jennings, David M., Waco, Tex. Switch-operating mechanism. 1,561,329; Nov. 10.

Jennings, Oliver S., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switch. 1,561,239; Nov. 10.

Jensen, Charles W. (See Blood, H. L., Rausch, Jensen, and Little.)

Jewell, Delbert W., Kalamazoo, Mich. Combined toothpick server and napkin holder. Des. 68,715; Nov. 10.

Jinkens, John T., assignor to C. S. Molholm and F. Harvey, Broomfield, and Kensma Company, Longmont, Colo. Antiskid-chain carrier and applier for motor vehicles. 1,561,080; Nov. 10.

John, William E., assignor to General Motors Research Corporation, Dayton, Ohio. Piston. 1,561,081; Nov. 10.

Johnson, Charles E., assignor to The Piston Ring Company, Muskegon, Mich. Pattern or ring forming for piston rings. 1,561,446; Nov. 10.

Johnson, Edward A. (See Wocel, F. E., and Johnson.)

Johnson, Ernest S., Webster City, Iowa. Leg-locking structure. 1,560,912; Nov. 10.

Johnson, Ernest S., Webster City, Iowa. Leg-locking device. 1,560,913; Nov. 10.

Johnson, Grandin V., et al. (See Schauman, Bror M., assignor.)

Johnson, Harry N., et al. (See Schauman, Bror M., assignor.)

Johnson, James H., Amsterdam, N. Y. Yarn tube for looms. 1,561,433; Nov. 10.

Johnson, Lane. (See Biggert, F. C., and Johnson.)





Johnson, Lee H., Luverne, Minn., and H. E. Rupp, Mansfield, Ohio, assignors, by mesne assignments, to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Hose holder. 1,560,789; Nov. 10.

Johnston, Howard H., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,561,240; Nov. 10.

Jones, Frederick D., Alhambra, Calif. Educational device. 1,560,994; Nov. 10.

Jones, George W., et al. (See McCoy, Elijah, assignor.)

Jones, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Suction conveyer for sheet material. 1,560,579; Nov. 10.

Jones, Lester L., Oradell, N. J. Telephone jack. 1,561,165; Nov. 10.

Jones, Lottie, executrix. (See Jones, Norris J., jr.)

Jones, Norris J., jr., deceased, Pittsburgh, Pa.; L. Jones, executrix. Train-control system. 1,561,434; Nov. 10.

Jonick, Michael, assignor to Jonick Sirken Co., Inc., New York, N. Y. Bracket back for lighting fixtures. Des. 68,716; Nov. 10.

Jonick Sirken Co., Inc. (See Jonick, Michael, assignor.)

Jonsson, Augustinus E., Lidingo Villastad, Sweden. Drying apparatus. 1,561,166; Nov. 10.

Jordahl, Anders, New York, N. Y. Air filter. 1,560,790; Nov. 10.

Josephs, Lyman C., jr., and L. H. Cutten, Allentown, Pa., assignors to International Motor Company, New York, N. Y. Cooling system. 1,560,694; Nov. 10.

Joyce, Harold L., South Orange, assignor to Tiffany Manufacturing Co., Newark, N. Y. Electric starting-motor switch. 1,560,580; Nov. 10.

Joynt, Herbert O., assignor to Traverse City Iron Works, Traverse City, Mich. Hydrants. 1,561,167; Nov. 10.

Juengst, Charles A., Croton Falls, N. Y., assignor to American Assembling Machine Company, Memphis, Tenn. Book-covering machine. 1,560,581; Nov. 10.

Julstedt, Clas J., Bethlehem, Pa., assignor to Bethlehem Steel Company. Convertible vehicle. 1,560,802; Nov. 10.

Jung, Oscar H., Milwaukee, Wis. Pliers. 1,561,082; Nov. 10.

Justus, Ora H., Parkersburg, W. Va. Purifier for gasoline systems. Re16,209; Nov. 10.

Kagarise, Frank H., Sharpsville, Pa. Safety brake lock and brake-locking device for automobiles and trucks. 1,560,582; Nov. 10.

Kahl, Ernest E. (See Jahn, B., and Kahl.)

Kaplan, Louis, New York, N. Y. Sole. 1,560,995; Nov. 10.

Karrax, Isaac S. and D. V. Bridwell, Brinkley, Ark.; said Bridwell assignor to said Karrax. Computing bin. 1,560,824; Nov. 10.

Karron, David, Brooklyn, N. Y. Bag or receptacle. 1,561,241; Nov. 10.

Katz, Henry, assignor to The Ferdinand Strauss Corporation, New York, N. Y. Harmonica. Des. 68,717; Nov. 10.

Katz, Henry, assignor to The Ferdinand Strauss Corporation, New York, N. Y. Harmonica. Des. 68,751; Nov. 10.

Katz, Morris. (See Meyer, Hans H., assignor.)

Kaye, Joseph M., assignor to Eiseman Kaye Company, Chicago, Ill. Wearing-apparel case. 1,561,242; Nov. 10.

Keene, Alvin D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control for heating systems. 1,561,243; Nov. 10.

Keller, Arthur H., Pleasantville, N. J. Box closure. 1,561,330; Nov. 10.

Keller, Maurice S., New York, N. Y. Display rack. Des. 68,718; Nov. 10.

Kelley Color Laboratory, Inc. (See Kelley, W. V. D., and Tronolone, assignors.)

Kelley, William V. D., Jersey City, and D. Tronolone, Fort Lee, assignors to Kelley Color Laboratory, Inc., Palisades, N. J. Color photography. 1,561,168; Nov. 10.

Kellogg, Lewis M., Los Angeles, Calif. Aircraft construction. 1,560,996; Nov. 10.

Kelly, James F., Monessen, Pa. Medical and surgical apron. 1,560,997; Nov. 10.

Kelly, Michael J. (See Sargent, E. R., and Kelly.)

Keltička, Ludwig, Schles-Ostrau, Czechoslovakia. Protective device for knees, etc. 1,560,825; Nov. 10.

Kelvinator Corporation. (See Spreen, Charles C., assignor.)

Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,561,244; Nov. 10.

Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,561,245; Nov. 10.

Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,561,246; Nov. 10.

Kennedy, Owen W., Boston, Mass. Box-making machine. 1,561,331; Nov. 10.

Kenney, Mary A. (See Gibbons, Richard, assignor.)

Kensma Company, et al. (See Jinkens, John T., assignor.)

Kent, William J., Brooklyn, N. Y. Rubber heel. 1,560,583; Nov. 10.

Kenworthy, Amos D., et al. (See Hannam, George F., assignor.)

Kettering, Charles F., assignor to General Motors Research Corporation, Dayton, Ohio. Vehicle frame. 1,561,083; Nov. 10.

Kidder, William E. (See Willson, William P., assignor.)

Kiger, William, St. Louis, Mo. Electric water heater. 1,560,695; Nov. 10.

Kingsbury, Edwin F., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Metallic composition. 1,561,247; Nov. 10.

Kirschbraun, Lester, Chicago, Ill. Apparatus for making bituminous emulsion. 1,560,826; Nov. 10.

Kirwan, Michael F., O'Neill, Nebr. Fish lure. Des. 68,719; Nov. 10.

Kittredge, Caroline A. (See Kittredge, Henry G. W., assignor.)

Kittredge, Henry G. W., assignor to C. A. Kittredge, Toledo, Ohio. Hydrocarbon distillation. 1,561,169; Nov. 10.

Klaffki, Roy H., Los Angeles, Calif. Apparatus for splicing motion-picture films. 1,560,584; Nov. 10.

Kline, James F., Amarillo, Tex. Carrousel. 1,561,170; Nov. 10.

Klingberg, William A., Afton, Okla. Windshield. 1,560,585; Nov. 10.

Koch, Daniel, Boston, Mass. Hat lining. 1,561,172; Nov. 10.

Koch, William, et al. (See Schauman, Bror M., assignor.)

Koenig, Joseph, Manitowoc, Wis. Turbine-engine rotor and making the same. 1,561,084; Nov. 10.

Kohl, Michael, North Milwaukee, Wis. Rim spreader. 1,561,085; Nov. 10.

Komarek, Gustav, Chicago, Ill. Transmission. 1,560,827; Nov. 10.

Kopp, Anton J., San Francisco, Calif. Clamp for sliding windows. 1,560,828; Nov. 10.

Koppitz, Carl G., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. High-tension switch mechanism. 1,560,998; Nov. 10.

Korizon, John, Atlanta, Ga. Tile-forming machine. 1,560,999; Nov. 10.

Korjibski, Victor K., Brooklyn, N. Y. Apparatus for supplying air to workmen. 1,561,086; Nov. 10.

Korten, William J., jr., assignor to Carondelet Foundry Company, St. Louis, Mo. Pouring frame for casting molds. 1,561,087; Nov. 10.

Kösters, Wilhelm, Berlin, assignor to the Firm of Carl Zeiss, Jena, Germany. Method and device for examining end gauges. 1,561,173; Nov. 10.

Knauf, Paul W., Cynwyd, assignor to Schutte and Koerting Company, Philadelphia, Pa. Combined control and trip valve. 1,560,586; Nov. 10.

Knipker, Anna H., Clarksburg, Mo. Insect trap. 1,561,171; Nov. 10.

Knoll Manufacturing Company. (See Lengel, Irvin D., assignor.)

Knowles, Carroll, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Clamping mechanism for planer rails. 1,560,696; Nov. 10.

Knowles, Carroll, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Dressing attachment for vertical-surface grinders. 1,560,697; Nov. 10.

Knudsen, Knud, Danbury, Conn. Push button and making the same. 1,560,698; Nov. 10.

Kolischc, Paul. (See Aldendorff, Fritz, assignor.)

Kramer, Andrew A., and A. M. Griffin, Kansas City, Mo. Welding machine. 1,560,699; Nov. 10.

Kramer, Arthur E. (See Platt, J. W., and Kramer.)

Krants, Hubert K., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,561,248; Nov. 10.

Kraut, Charles F., Bridgeport, Conn. Safety valve. 1,560,829; Nov. 10.

Kraut, Samuel B., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Spark-gap lightning arrester. 1,561,249; Nov. 10.

Kuehn, Paul M., assignor to The Bartlett Hayward Company, Baltimore, Md. Gaseous-liquid contact apparatus. 1,561,000; Nov. 10.

Kunze, Fredreck, Bronx, N. Y. Ceiling-cleaning apparatus. 1,561,250; Nov. 10.

Kyle, John, Philadelphia, Pa. Printer's bearer strip. 1,561,174; Nov. 10.

Labus, Otto A., Wisconsin Rapids, Wis. Compressor-valve assembly. 1,561,175; Nov. 10.

Ladue, Ralph E., Brooklyn, assignor to J. David, New York, N. Y. Tee holder for garments. 1,561,088; Nov. 10.

Lake, Clarke R., Peoria, Ill. Combination coach-window lock and handle. 1,560,587; Nov. 10.

Lammers, Edwin S., jr., Elyria, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,561,251; Nov. 10.

Lampton, Frank W. (See Davis, G. L., and Lampton.)

Lang, James S., Watertown, Mass. Attaching shock absorbers to motor or other vehicles. 1,561,089; Nov. 10.

Lang, James S., Watertown, Mass. Shock absorber. 1,561,090; Nov. 10.

Langer, Henry, assignor of one-half to The I. E. Palmer Company, Middletown, Conn. Tire and tire fabric. 1,560,700; Nov. 10.
Langhaus, Morris. (See Ackermann, F.; Langhaus, and Gould.)
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Electric oscillator. 1,561,001; Nov. 10.
Langsdorf, Alexander S., assignor to Alvey Manufacturing Company, St. Louis, Mo. Automatic control for roller conveyer systems. 1,560,830; Nov. 10.
Lapp, Grover W., Le Roy, N. Y., assignor to Lapp Insulator Company, Inc. Producing clay bodies and apparatus used. 1,561,002; Nov. 10.
Lapp Insulator Company. (See Lapp, Grover W., assignor.)
Lasher Company, The. (See Murphy, Jere J., assignor.)
Laster, Bernard, Philadelphia, Pa. Woman's undergarment. 1,561,252; Nov. 10.
Lauck, Robert E., Kansas City, Mo. Oil burner. 1,560,831; Nov. 10.
Law, Thomas E., Mesa, Ariz. Puncture-closing composition. 1,561,332; Nov. 10.
Lawson, George, and R. C. Lent, jr., Brooklyn, N. Y. Two-cycle internal-combustion engine. 1,561,333; Nov. 10.
Layton, Le Roy, assignor to Tioga Steel and Iron Company, Philadelphia, Pa. Slip collar for rotaries. 1,560,701; Nov. 10.
Lazzari, Alberto, New York, N. Y. Direction indicator. 1,561,253; Nov. 10.
Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Double-drum hoist. 1,561,091; Nov. 10.
Lebanon Machine Co., The. (See Hatton, Philip R., assignor.)
Le Camus, Charles A., Billancourt, France. Spring device for bicycles. 1,560,702; Nov. 10.
Ledig, Richard G., assignor to A Mecky Co., Philadelphia, Pa. Electric wall heater. Des. 68,720; Nov. 10.
Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Mounting means for locks. 1,561,254; Nov. 10.
Lee, Harry S., Plymouth, assignor to M. M. Wilcox, Saginaw, Mich. Apparatus for forming valve tappets and the like. 1,560,832; Nov. 10.
Leedy Manufacturing Company. (See Strupe, Cecil H., assignor.)
Le Febure Ledger Company. (See Greedy, Edward D., assignor.)
Lehman, John M. (See Reimer, Leroy, assignor.)
Leible, Harry J., Philadelphia, Pa. Mine-releasing device. 1,561,334; Nov. 10.
Leibowitz, Meyer N. (See Ruttenberg, S., and Leibowitz.)
Leister, William H., assignor to The United Machinery Company, Westminster, Md. Machine for debutting Corn. 1,561,092; Nov. 10.
Leland-Gifford Company. (See Gifford, A. J., and Bishop, assignors.)
Leloup, Emile, Seraing-sur-Meuse, Belgium. Railway screw. 1,561,003; Nov. 10.
Lely, Dirk, jr. (See De Graaff, A., and Lely.)
Lemon, John T., Columbus, Ohio. Flue-cleaning apparatus for boilers. 1,561,004; Nov. 10.
Lengel, Irvin D., assignor to Knoll Manufacturing Company, Reading, Pa. Washing machine. 1,561,255; Nov. 10.
Lent, Richard C., jr. (See Lawson, G., and Lent.)
Levenstein, Israel, Brooklyn, N. Y. Radio time switch. 1,561,005; Nov. 10.
Levesque, Pierre, Chicago, Ill. Life-saving suit and support therefor. 1,560,833; Nov. 10.
Lewis, William, Utica, N. Y. Spring cushion. 1,560,588; Nov. 10.
Lewis, William H. (See Megahan, Oliver P., assignor.)
Lichtenstein, Henry E., Hempstead, N. Y. Embossing machine. 1,561,176; Nov. 10.
Liddell, Charles H., Raymond, Wash. Motion and direction indicator for motor vehicles. 1,560,703; Nov. 10.
Lidgerwood Manufacturing Company. (See Dickinson, Joseph H., assignor.)
Lilly, Edward A., Philadelphia, Pa. Blade sharpener. 1,561,256; Nov. 10.
Lindemann, A. J., & Hoverson Company. (See Rutenber, Edwin A., assignor.)
Link-Belt Company. (See Anderson, Miles S., assignor.)
Lippincott, George A., Philadelphia, Pa. Lamp shade. Des. 68,721; Nov. 10.
Little, Harry. (See Blood, H. L., Rausch, Jensen, and Little.)
Livemont, Leon, New Eagle, Pa. Molding apparatus. 1,561,257; Nov. 10.
Locke, George A., Maspeth, assignor to Western Electric Company, Incorporated, New York, N. Y. Printing telegraphy. 1,560,704; Nov. 10.
Loewe, Siegmund, Berlin, Germany. Testing spark stations. 1,561,258; Nov. 10.
Longacre, Frank H., Kansas City, Mo. Heat-guard stove plate. Des. 68,722; Nov. 10.
Lorenz, William A., Hartford, Conn. Airplane framework and making the same. 1,561,335; Nov. 10.
Lovell, Stanley P. (See Andrews, B. R., and Lovell.)
Lozano, Joseph M., assignor to West Electric Hair Curler Co., Philadelphia, Pa. Hair curler. 1,560,590; Nov. 10.
Lumbleau, Walter J. (See Waller, John A., assignor.)
Lund, John T., Seattle, Wash. Ingot carrier. 1,560,988; Nov. 10.
Lundgren, Jacob, Philadelphia, Pa., assignor to Carlson-Wenstrom Co. Balancing machine. 1,561,177; Nov. 10.
Lynch Glass Machinery Company. (See Lynch, James W., assignor.)
Lynch, James W., Alexandria, Ind., assignor to Lynch Glass Machinery Company, Anderson, Ind. Take-out device for bottle-blowing machines. 1,561,451; Nov. 10.
Lyon Metallic Manufacturing Company. (See Bales, James E., assignor.)
Maccallum, William A. F., Philadelphia, Pa. Golf accessory. 1,560,940; Nov. 10.
MacGregor, Wallace F., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Snow remover. 1,561,007; Nov. 10.
Macnab, Edward S. M., Montreal, Quebec, Canada, assignor to The Safety Car Heating & Lighting Company. Berth-light construction. 1,560,835; Nov. 10.
Madden, Edwin C., New York, N. Y. Wheel. 1,560,836; Nov. 10.
Madigan, Thomas F., Beness, via Leeton, New South Wales, Australia. Quick-release safety hook. 1,561,337; Nov. 10.
Majik Electric Appliance Company. (See Coleman, George B., assignor.)
Malanca, Joseph, Tacoma, Wash. Sander for automobiles. 1,560,593; Nov. 10.
Mallery, Ellis, Los Angeles, Calif. Method and apparatus for storing oil. 1,561,260; Nov. 10.
Malmberg, John E., Lee, Ill. Snapping roll. 1,561,338; Nov. 10.
Malone, John A., Brooklyn, N. Y. Fuel-feeding apparatus. 1,561,094; Nov. 10.
Mandel, Jacob, assignor to Wellington-Stone Company, Inc., Chicago, Ill. Lamp base. Des. 68,723; Nov. 10.
Mann, Russell T. (See Ulmen, P. C., Becker, and Mann.)
Manning, Bowman & Company. (See Farr, Edward A., assignor.)
Maraffi, Emilio A., New York, assignor to Electrolite Products Co., Brooklyn, N. Y. Stand. 1,561,339; Nov. 10.
Marks, Arthur R., et al. (See Starr, Frank E., assignor.)
Marlett, William W., Glendale, Calif. Cement. 1,561,095; Nov. 10.
Marovich, Frank, Detroit, Mich. Weather strip. 1,561,096; Nov. 10.
Marra, Leonardo, Providence, R. I. Lock. 1,560,596; Nov. 10.
Marsden, Philip A. (See Cutler, A. E., and Marsden.)
Marshall, Alfred G., Purley, England. Lubricating compound and its manufacture. 1,561,261; Nov. 10.
Marshall, William H. (See Mott, C., and Marshall.)
Marston, Charles F., Brooklyn, N. Y. Neutral device. 1,561,340; Nov. 10.
Martin Air Dog Company. (See Martin, Frederick E., assignor.)
Martin, Elsie A., née Blackstun, St. Louis, Mo. Combination pocket implement. 1,561,262; Nov. 10.
Martin, Frank H., et al. (See Rose, Elias B., assignor.)
Martin, Frederick E., assignor to Martin Air Dog Company, San Francisco, Calif. Tapering mechanism. 1,561,341; Nov. 10.
Martin, Frederick E., Berkeley, assignor to Martin Air Dog Company, San Francisco, Calif. Tapering mechanism. 1,561,342; Nov. 10.
Marwede, Richard L., New York, N. Y., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Cover paper. Des. 68,724; Nov. 10.
Mastrukoff, Michael S., New York, N. Y. Palette. 1,560,837; Nov. 10.
Maurice Guenot. (See Guenot G. L., and Maurice.)
Mauser, Alfons, Cologne-Marienburg, Germany. Packing container. 1,561,097; Nov. 10.
Max Ams Machine Company, The. (See Brensinger, Julius, assignor.)
Maxfield, Harold A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltage regulator. 1,561,263; Nov. 10.
Mayer, Emil M., assignor to Newport Manufacturing Company, Newport, Ky. Child's vehicle. 1,561,264; Nov. 10.
Mayer, Waldemar F., Philadelphia, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Controlling fluid-operated reciprocating machinery. 1,560,705; Nov. 10.
Mayer, Waldemar F., Philadelphia, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Parallel-crank pump or motor. 1,561,179; Nov. 10.
Maze, Wyeth C., Wichita, Kans. Bumper for motor cars. 1,560,706; Nov. 10.
McBain, Bertram T., J. E. Alexander, and G. Genberg, assignors to Nekoosa-Edwards Paper Company, Port Edwards, Wis. Making paper pulp. 1,560,591; Nov. 10.



McBrady, John A., St. Paul, Minn. Device for taking up slack in antiskid chains. 1,560,592; Nov. 10.
McCargar, Lorren B., Kansas City, Mo. Feed mill. 1,561,093; Nov. 10.
McCord Radiator & Mfg. Co. (See Painter, William A., assignor.)
McCoy, Elijah, assignor of one-half to G. W. Jones and one-half to C. J. Broner, Detroit, Mich. Rubber heel. Des. 68,725; Nov. 10.
McDermott, Edward M., East Orange, N. J. Intake-manifold heater. 1,561,259; Nov. 10.
McElroy, Joseph A., New York, N. Y. Sprinkler head. 1,560,593; Nov. 10.
McGlenn, John F., Harvey, N. Dak. Producing piston rings. 1,561,336; Nov. 10.
McGrann, Edward R., assignor of one-fourth to H. C. Herpel, McKeesport, Pa., and one-fourth to C. B. Mueller, West Park, Ohio. Golf game. 1,561,178; Nov. 10.
McKain, Edward. (See Hoberecht, Albert, assignor.)
McMahon, Daniel F., Cicero, Ill. Shock absorber. 1,560,584; Nov. 10.
McMenimen, George A., Somerville, Mass. Tool holder and tool or implement therefor. 1,560,834; Nov. 10.
McNutt, Maxwell, San Francisco, Calif. Ventilator. 1,561,006; Nov. 10.
McPhilliamy, Burton, Vandergrift, Pa. Safety appliance for vehicle wheels. 1,560,939; Nov. 10.
Meakers Limited, et al. (See Starr, Frank E., assignor.)
Mechanics Machine Company. (See Anderson, Carl L., assignor.)
Mecky, A., Co. (See Ledig, Richard G., assignor.)
Meehan, Cornelius J., Baltimore, Md. Puzzle. 1,561,098; Nov. 10.
Megahan, Oliver P., New Castle, assignor of one-half to W. H. Lewis, Pittsburgh, Pa. Railway tie. 1,560,707; Nov. 10.
Meigs, Bassett & Slaughter, Inc. (See Basset, H. P., and Banigan, assignors.)
Meierjohan, Ernest, Cincinnati, Ohio. Automatic cut-out. 1,560,597; Nov. 10.
Meloche, Daniel H., assignor to E. Holley, Detroit, Mich. Coating for metal molds. 1,560,838; Nov. 10.
Menzies, William E., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, Speed-regulator system. 1,561,265; Nov. 10.
Menzies, William E., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,561,266; Nov. 10.
Menzies, William E., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,561,267; Nov. 10.
Menzies, William E., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,561,268; Nov. 10.
Mergenthaler Linotype Company. (See Kennedy, David S., assignor.
Mergenthaler Linotype Company. (See Rogers, John R., assignor.)
Mergenthaler Linotype Company. (See Sundstrom, Herman T., assignor.)
Merkel, Joseph F., Rochester, assignor, by mesne assignments, to The G. R. S. Products, Inc., Colonie, N. Y. Attaching means for use on wire-spoke wheels. 1,561,180; Nov. 10.
Mesta, Frederick E., West Homestead, assignor to Mesta Machine Company, Pittsburgh, Pa. Annealing box. 1,560,708; Nov. 10.
Mesta Machine Company. (See Mesta, Frederick E., assignor.)
Metal & Thermit Corporation. (See Begtrup, Edward F., assignor.)
Metal Office Furniture Company. (See Wege, Peter M., assignor.)
Metropolitan Trust Company, trustee. (See Waream, Charles E., assignor.)
Metsner, Albert W., assignor to J. Q. Sherman, Dayton, Ohio. Manifolding machine. 1,560,709; Nov. 10.
Meyer, Hans H., assignor of one-half to M. Katz, New York, N. Y. Pattern-printing machine. 1,560,710; Nov. 10.
Michaels, Alexander H., Brooklyn, N. Y. Bill fold. 1,561,343; Nov. 10.
Mid-States Gummed Paper Company. (See De Vries, George, assignor.)
Miles, Henry D., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Vacuum drying apparatus. 1,560,598; Nov. 10.
Millar, Samuel, Dunedin, New Zealand. Pulsator for milking machines. 1,561,344; Nov. 10.
Miller, Carlton E., Atherton, Calif. Connecting-rod adapter for internal-combustion engines. 1,561,269; Nov. 10.
Miller Company, The. (See Doane, Leroy C., assignor.)
Miller, Daniel D., assignor to Western Electric Company, Incorporated, New York, N. Y. Relay. 1,560,803; Nov. 10.
Miller, Herman C., assignor to The United Metal Products Company, Canton, Ohio. Ornamented surface and forming the same. 1,560,941; Nov. 10.
Miller, Volney T., Kansas City, Mo., assignor to American Telephone Advertising Company, Kansas City, Kans. Telephone attachment. 1,561,345; Nov. 10.
Millet, Laurent, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines à Gaz, Montrouge, France. Mechanism of gas meters. 1,561,099; Nov. 10.
Milligan, Williams G., Akron, Ohio. Hood clamp and the like. 1,561,008; Nov. 10.
Milliken, Foster, Lawrence, N. Y. Manufacture of rolled metal disks. 1,561,346; Nov. 10.
Mills, Bertie E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Key manual for electric musical instruments. 1,561,100; Nov. 10.
Mills Novelty Company. (See Mills, Bertie E., assignor.)
Milton, John L., Louisville, Ky. Magneto. 1,560,839; Nov. 10.
Miner, Douglas F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bus bar. 1,561,270; Nov. 10.
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Mitchell, Anthony G. M. (See Casey, Richard G., assignor.)
Mitten, Philip J., Philadelphia, Pa., assignor to Mitten-Traylor Incorporated. One-man gasoline safety rail car. 1,561,436; Nov. 10.
Mitten-Traylor Incorporated. (See Mitten, Philip J., assignor.)
Mohr, Wilhelm A. H., Halle-on-the-Saale, assignor to Herm. Bertram Hallesche Dampfbackofenfabrik, Hallesche Misch- und Knetmaschinenfabrik, Halle, Germany. Dough-dividing machine. 1,560,711; Nov. 10.
Moler, Charles C., Hagerstown, Md. Slide rule. 1,560,599; Nov. 10.
Molholm, C. S., et al. (See Jinkens, John T., assignor.)
Molloy, William J., Chicago, Ill. Gun. 1,560,840; Nov. 10.
Monroe Calculating Machine Company. (See Phinney, Edgar E., assignor.)
Moore, Pressley A. C., Los Angeles, Calif. Door lock. 1,560,914; Nov. 10.
Moore, Roswell A., assignor to Waterbury Buckle Co., Waterbury, Conn. Buckle. 1,561,009; Nov. 10.
Morgan & Wright. (See Eger, Ernst, assignor.)
Morgan, Walter S., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Means for grinding dredge buckets and the like. 1,561,181; Nov. 10.
Morley Button Manufacturing Company. (See Oldfield, Fred, assignor.)
Morlok, William, assignor to L. A. Prouty Company, Inc., Philadelphia, Pa. Dispensing pump. 1,561,182; Nov. 10.
Morlok, William, assignor to I. Fischman & Sons, Philadelphia, Pa. Faucet for soda fountains. 1,561,271; Nov. 10.
Mortensen, Niels L., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for electric motors. 1,560,600; Nov. 10.
Mosheim, Albert, East Orange, N. J. Bottle. Des. 68,726; Nov. 10.
Mosheim, Albert, East Orange, N. J. Bottle stopper. Des. 68,727; Nov. 10.
Mosler Lock Company, The. (See Benham, Edgar M., assignor.)
Mott, Chester, assignor, by mesne assignments, to Purox Company, Denver, Colo. Vacuum container. 1,561,102; Nov. 10.
Mott, Chester, and W. H. Marshall, assignors, by mesne assignments, to Purox Company, Denver, Colo. Liquid-oxygen container. 1,561,101; Nov. 10.
Muckenhirn, Charles H., Detroit, Mich. Headlight. 1,561,010; Nov. 10.
Muehleck, Ernest, Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Insulated rail joint. 1,561,347; Nov. 10.
Mueller, Curt B., et al. (See McGrann, Edward R., assignor.)
Mueller, Max, St. Louis, Mo. Clay-product-cutting machine. 1,560,601; Nov. 10.
Mugford, Richard L., Minersville, Pa. Safety brake for mines. 1,561,348; Nov. 10.
Mullard Radio Valve Company, The. (See Hayes, C. F. M., and Grinstead, assignors.)
Murphy, Clarence B. and J. T. Swann, Tampa, Fla. Golf club. 1,561,349; Nov. 10.
Murphy, Jere J., assignor to The Lasher Company, Naugatuck, Conn. Freezer display case. Des. 68,728; Nov. 10.
Murray, Thomas E., sr. (See Phelps, George H., assignor.)
Myers, Lewis E., and Company. (See Hauff, John A., assignor.)
Nagel, Harry C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making expanded-metal resistors. 1,561,272; Nov. 10.
Nairy, Jacob W. (See Thompson, L. W., and McNairy.)
Namloose Vennootschap Finanzieele Maatschaplj "Driebergen." (See Hase, Rudolf, assignor.)
National Acme Company, The. (See Wheeler, Earl H., assignor.)
National Equipment Company. (See Bausman, Alonzo L., assignor.)
National Metal Stamping Company. (See Brezin, Joseph, assignor.)

Naylor, Robert C., assignor to The Gem Shirt Company, Dayton, Ohio. Seam for garments. 1,560,712; Nov. 10.
Nearn, Lois H., Tracy City, Tenn. Reservoir mop. 1,560,841; Nov. 10.
Nekoosa-Edwards Paper Company. (See McBain, B. T., Alexander, and Genberg, assignors.)
Nelson, Andrew W. (See Topping, W., and Nelson.)
Nelson, Charles A., Brooklyn, N. Y. Circuit-controlling means. 1,560,602; Nov. 10.
Nelson, Charles A., assignor to Savage Arms Corporation, Utica, N. Y. Firearm. 1,561,011; Nov. 10.
Nelson, Ernest, Barron, Wis. Silo. 1,560,713; Nov. 10.
Nestal, Marcelino L., New York, N. Y. Refrigerating machine. 1,561,012; Nov. 10.
Nettleship, William L., South Tacoma, Wash. Frozen confection and making the same. 1,560,842; Nov. 10.
Newdick, Norton A., assignor to The Coloder Company, Columbus, Ohio. Sectional trackway. 1,560,714; Nov. 10.
Newdick, Norton A., assignor to The Coloder Company, Columbus, Ohio. Handling slate. 1,560,715; Nov. 10.
Newdick, Norton A., assignor to The Coloder Company, Columbus, Ohio. Conveyer. 1,560,716; Nov. 10.
Newport Manufacturing Company. (See Mayer, Emil M., assignor.)
Ney, Andrew F., East Kew, Australia. Machine for closing cartons. 1,561,103; Nov. 10.
Nicholas, Peter, Medicine Hat, Alberta, Canada. Candy-mixing machine. 1,561,350; Nov. 10.
Nicholls, Hubert. (See Secrest, George R., assignor.)
Nichols, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio system. 1,561,273; Nov. 10.
Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window-control mechanism. 1,561,274; Nov. 10.
Niece, Fred G., Cleveland, assignor to A. M. Smith, Cleveland Heights Village, Ohio. Electric heater. 1,560,603; Nov. 10.
Nielsen, Frderick J., Seattle, Wash. Fish basket. 1,561,351; Nov. 10.
Niles-Bement-Pond Company. (See Blood, Harold L., assignor.)
Niles-Bement-Pond Company. (See Blood, H. L., Rausch, Jensen, and Little, assignors.)
Noble, Alanson C., Chicago, Ill. Eyeglasses. 1,560,717; Nov. 10.
Noeth, John J. (See Hummel, F. E., and Noeth.)
Northern Trailer Company. (See Sargent, Don A., assignor.)
Nowosielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Receiver headband. 1,560,718; Nov. 10.
Obergfell, Herbert F., River Forest, assignor to Automatic Electric Company, Chicago, Ill. Transmitter support for telephone transmitters. 1,561,183; Nov. 10.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner. Friction shock-absorbing mechanism. 1,560,843; Nov. 10.
Odendahl, William A., Denver, Colo. Cooling radiator. 1,561,013; Nov. 10.
Offenhauser, Christopher, Philadelphia, Pa. Automobile bumper. 1,561,184; Nov. 10.
Oldfield, Fred, assignor to Morley Button Manufacturing Company. Portsmouth, N. H. Nail. 1,561,104; Nov. 10.
Olds, Alfred W., Windsor, Conn. Means for operating automobile speed signals. 1,560,844; Nov. 10.
Olson, John O., assignor to Spiral Radiator Company, St. Paul, Minn. Forming a closed spiral chamber from sheet metal. 1,560,719; Nov. 10.
Olson, Samuel, assignor to Samuel Olson & Company, Chicago, Ill. Tray elevator. 1,560,720; Nov. 10.
Olson, Samuel & Company. (See Olson, Samuel, assignor.)
Orange Lighting Fixture Manufacturing Company. (See Seidell, Alfred P., assignor.)
O'Reilly, Hugh P., Washington, D. C., assignor to Record-O-Phone Company. Automatic reel stopping device for Record-O-Phones. 1,560,721; Nov. 10.
O'Rourke, Ambrose E., Millbrook, N. Y. Card holder and umbrella receptacle. 1,561,014; Nov. 10.
Otto, William, Algoma, Wis. Manure loader. 1,561,105; Nov. 10.
Overfield, Roy. (See White, W. N., and Overfield.)
P & M Company, The. (See Hamilton, Pierry H., assignor.)
Pacific and Atlantic Photos, Inc. (See Ferree, M., and Wissmer, assignors.)
Packard Motor Car Company. (See Wolf, Austin M., assignor.)
Page, John C., assignor to Standard Brass Casting Co., Oakland, Calif. Shower head. 1,561,275; Nov. 19.
Page, Melvin E., Muskegon, Mich. Alloy. 1,560,845; Nov. 10.
Paige, Wilma M., Joplin, Mo. Booth. Des.68,729; Nov. 10.
Paige, Wilma M., Joplin, Mo. Booth. Des. 68,730; Nov. 10.
Painter, William A., assignor to McCord Radiator & Manufacturing Co., Detroit, Mich. Flux brush. 1,561,015; Nov. 10.
Pal-Weld Manufacturing Company. (See Pallady, Harry A., assignor.)
Pallady, Harry A., assignor to Pal-Weld Manufacturing Company, Seattle, Wash. Scraper. 1,561,016; Nov. 10.
Palmer, I. E., Company, The. (See Langer, Henry, assignor.)
Pankratz, Charley C., Orange, Calif. Fluid heater. 1,561,276; Nov. 10.
Paris, James J., Chicago, Ill. Collar-attching means. 1,560,846; Nov. 10.
Parish, Le Grand, Mountain View, N. J., assignor to American Arch Company, New York, N. Y. Locomotive-fire-box structure. 1,560,604; Nov. 10.
Parke, William, New York, N. Y. Oven-rack-handling device. 1,560,847; Nov. 10.
Parkhurst, Charles E., Somerville, Mass. Dentist's water heater. 1,561,106; Nov. 10.
Parkinson, Daniel M., Dayton, Ohio. Billfold protector. 1,561,352; Nov. 10.
Parsons, Harold R., assignor to American Optical Company, Southbridge, Mass. Lens-grinding machine. 1,561,107; Nov. 10.
Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Starting alternating-current motors. 1,561,017; Nov. 10.
Paxson, Norris H., Newport News, Va. Nutmeg grater. 1,560,848; Nov. 10.
Pearson, Carl F., Chicago, Ill. Oil-burning system and apparatus. 1,560,849; Nov. 10.
Peel, Arthur, London, England. Inflatable toy eye. 1,561,353; Nov. 10.
Peelle, Charles W., New York, assignor to The Peelle Company, Brooklyn, N. Y. Lock for elevator doors. 1,561,018; Nov. 10.
Peelle Company, The. (See Peelle, Charles W., assignor.)
Pence, Homer O., Spring Valley, Wis. Main-bearing-cap facer. 1,561,354; Nov. 10.
People of the United States of America. (See Cain, John R.)
Perfection Ice Scoring Machine Company. (See Roark, Robert H., assignor.)
Peterson, Rudolf M., H. W. Sears, and E. D. Peterson, Kanorado, Kans. Automobile extractor. 1,560,722; Nov. 10.
Peterson, Edgar D. (See Peterson, B. M., Sears, and Peterson.)
Peterson, Emil R., Orin, Wash., assignor of one-half to G. Stone, Island Park, Idaho. Condiment holder. 1,561,019; Nov. 10.
Petty, Claudius M., Wilkesboro, N. C. Aeroplane. 1,561,108; Nov. 10.
Phelps, George H., Warehouse Point, Conn., assignor to T. E. Murray, sr., Brooklyn, N. Y. Production of ball races and similar articles. 1,560,723; Nov. 10.
Philbin, Henry J., Buffalo, N. Y. Automatic controlling mechanism for water heaters. 1,561,277; Nov. 10.
Phinney, Edgar E., Saugus, Mass., assignor to Monroe Calculating Machine Company, Orange, N. J. Keyboard-clearing means for calculating machines. Re16,207; Nov. 10.
Piston Ring Company, The. (See Johnson, Charles E., assignor.)
Pittsburgh Annealing Box Company. (See Hunter, Percy E., assignor.)
Platner, Menzo et al. (See Allen, Grover C., assignor.)
Platt, John W., and A. E. Kramer, Waterville, Conn. Fowl-display hanger. 1,561,109; Nov. 10.
Plawker, Samuel, San Francisco, Calif. Shoe-sole-trimming machine. 1,560,942; Nov. 10.
Plumb, Frederick W. (See Young, H. L., and Plumb.)
Polack, Isadore J., Chicago, Ill. Window frame and sashes therefor. 1,560,850; Nov. 10.
Polsen, Samuel D., Bridgeport, Conn. Button-feeding mechanism. 1,560,605; Nov. 10.
Polson, William L., and W. Grant, Bruneau, Idaho. Spark plug. 1,561,355; Nov. 10.
Pond, Edmund M., assignor to A. H. Smith and E. Smith, Rutland, Vt. Rectal tampon. 1,561,020; Nov. 10.
Porter Chemical Company, The. (See Porter, Harold M., assignor.)
Porter Harold M., Hagerstown, Md., assignor to The Porter Chemical Company. Game apparatus. 1,560,851; Nov. 10.
Potter, Isaac F., Johnstown, N. Y. Pocket case. 1,560,852; Nov. 10.
Potts, Louis M., Highwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Regulating system. 1,560,724; Nov. 10.
Powell, Frank D., assignor, by mesne assignments, to Acme Card System Company, Chicago, Ill. Indexing system. 1,560,853; Nov. 10.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,560,725; Nov. 10.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone substation circuit. 1,560,726; Nov. 10.
Pratt & Whitney Company. (See Knowles, Carroll, assignor.)
Pressley, Jackson H., Oceanport, N. J. Radio receiving apparatus. 1,560,854; Nov. 10.
Prouty, L. A., Company. (See Morlok, William, assignor.)



Pruden, Harold M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing system. 1,560,727; Nov. 10.
Pryts, Carl G., Milbank, S. Dak. Piston for internal-combustion engines. 1,561,356; Nov. 10.
Pupin, Michael I., Norfolk, Conn., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Wave signaling system. 1,561,278; Nov. 10.
Pupin, Michael I., Norfolk, Conn., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Equalizing vacuum-tube amplifier. 1,561,279; Nov. 10.
Purdy, Henry G. (See Saxe, John, assignor.)
Purox Company. (See Mott, C., and Marshall, assignors.)
Purox Company. (See Mott, Chester, assignor.)
Pym, Charles F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Gripper. 1,560,606; Nov. 10.
Queneau, Augustin L. J., Frejus, assignor to E. Heisch, Paris, France. Retort for the carbonization of solid fuels. 1,560,855; Nov. 10.
Quick, Alfred A., Thornbury, Victoria, Australia. Chain hoist. 1,561,021; Nov. 10.
Quinn, John C., Staten Island, assignor to Quinn Oil Burner Corporation, New York, N. Y. Oil burner. 1,561,185; Nov. 10.
Quinn Oil Burner Corporation. (See Quinn, John C., assignor.)
Quintin, John C., Alhambra, assignor to H. Woollen, Los Angeles, Calif. Vending-machine casing. Des. 68,731; Nov. 10.
Quinton, Osborne E., et al. (See Woodman, George A., assignor.)
R. E. D. Engine Company. (See Ford, Eugene A., assignor.)
Radinse, Rudolph R., Cleveland, Ohio. Rotary brush. 1,561,280; Nov. 10.
Radu, John W., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube socket. 1,560,728; Nov. 10.
Rail Joint Company, The. (See Muehleck, Ernest, assignor.
Railway and Industrial Engineering Company. (See Koppitz, Carl G., assignor.)
Ramstetter, Frank, and W. J. Britt, assignors to Simmons Hardware Company, St. Louis, Mo. Polishing machine. Re16,204; Nov. 10.
Rand, James H., jr., Tonawanda, N. Y. Portable index book or device. 1,560,856; Nov. 10.
Randall, Clarence W., Elk, Wash. Poultry drinking fountain. 1,560,729; Nov. 10.
Ransom & Randolph Company, The. (See Barrick, Zerne O., assignor.)
Rapp, Charles, New York, N. Y. Shearing apparatus. 1,561,022; Nov. 10.
Barrick, Zerne O., assignor to The Ransom & Randolph Company, Toledo, Ohio. Carbureted-air gas apparatus for blowpipes. 1,561,024; Nov. 10.
Rau, Herman, Hamilton Beach, and C. E. Chapple, Brooklyn, N. Y., assignors to Doehler Die-Casting Co. Mold ejector device. 1,561,281; Nov. 10.
Rausch, Roswell H. (See Blood, H. L., Rausch, Jensen, and Little.)
Raymond Brothers Impact Pulverizer Co. (See Crites, Joe, assignor.)
Raynes, Henry B., Buffalo, W. Va. Railway-crossing signal. 1,561,023; Nov. 10.
Resch, William F., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Hurdle. 1,561,186; Nov. 10.
Recatti, Rocco, St. Louis, Mo. Figure wheeled toy. 1,560,607; Nov. 10.
Record-O-Phone Company. (See O'Reilly, Hugh P., assignor.)
Reed Roller Bit Company. (See Duda, Oswald, assignor.)
Reese, Leroy W. (See Rook, Ross H., assignor.)
Reid, Willard, et al. (See Smith, Hazor J., assignor.)
Reimer, Leroy, assignor of one-half to J. M. Lehman, Brooklyn, N. Y. Collapsible hanging seat. 1,561,025; Nov. 10.
Reinforced Concrete Company. (See Gregg, John D., assignor.)
Remer, Herbert C. (See Wells, Bliss B., assignor.)
Reminger, Theodore, Tiffin, Ohio. Shade holder. 1,561,110; Nov. 10.
Remington-Noiseless Typewriter Corporation. (See Going, George G., assignor.)
Reno, Annie W. (See Reno, Marshall H., assignor.)
Reno, Annie W., et al., executors. (See Reno, Marshall H.)
Reno, Marshall H., deceased; R. M. and A. W. Reno, executors, assignors to A. W. Reno, Pittsburgh, Pa. Sound recordation. 1,560,730; Nov. 10.
Reno, Ralph M., et al., executors. (See Reno, Marshall H.)
Reo Motor Car Company. (See Duryea, Charles E., assignor.)
Rex Manufacturing Company. (See Hull, Matthew R., assignor.)
Reynolds, Joshua C., Owensboro, Ky., assignor to W. F. and E. D. Axton, Louisville, Ky. Oil burner. 1,560,731; Nov. 10.
Rice, Russell L., et al. (See Allen, Grover C., assignor.)
Richardson Company, The. (See Richardson, Robert R., assignor.)
Richardson, Edmund J., Moville, Iowa. Foot control device for tractor clutches. 1,560,857; Nov. 10.
Richardson, Oscar W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Device to prevent vibration of bobbins. 1,560,732; Nov. 10.
Richardson, Robert R., Glendale, assignor to The Richardson Company, Lockland, Ohio. Roof. 1,560,608; Nov. 10.
Richardson, Rodney G., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,560,858; Nov. 10.
Richmond, Fred, Oilfields, Calif. Oil-well construction. 1,560,859; Nov. 10.
Ries, Frederick, Compton, Calif. Airplane. 1,560,860; Nov. 10.
Riesenberg, Felix, Tuckahoe N. Y. Cordage structure. 1,561,357; Nov. 10.
Rios, Ramón, Madrid, Spain. Construction of reenforced-cement floors. 1,561,187; Nov. 10.
Risher, J. A. (See Stimson, Arthur, assignor.)
Rittenhouse, Leon W., Rochester, N. Y. Snowplow. 1,561,111; Nov. 10.
Rivage, Charles, Paris, France, assignor to United States Envelope & Co., Springfield, Mass. Production of paper and cardboard blanks and sheets in imitation of handmade paper and cardboard blanks and sheets. 1,560,861; Nov. 10.
Roark, Robert H., assignor to Perfection Ice Scoring Machine Company, Waco, Tex. Scoring ice. 1,561,112; Nov. 10.
Roark, Robert H., assignor to Perfection Ice Scoring Machine Company, Waco, Tex. Scoring Ice. 1,561,113; Nov. 10.
Roberts, Fred T., Cleveland, Ohio. Making variegated rubber. 1,560,862; Nov. 10.
Roberts, Luell J. (See Andrews, Martin L., assignor.)
Rocheleau, Alphonso, assignor of one-half to A. E. Walcott, Saginaw, Mich. Bean-sorting machine. 1,560,863; Nov. 10.
Roe, Ernest S., Plymouth, Mich. Air-pump gun. 1,560,733; Nov. 10.
Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,561,114; Nov. 10.
Rome Radiation Company, Inc. (See Hart, Austin H., assignor.)
Rook, Ross H., assignor of one-half to L. W. Reese, Los Angeles, Calif. Apparatus for laying concrete. 1,560,734; Nov. 10.
Root, Chapman J., Terre Haute, Ind. Bottle. Des. 68,732; Nov. 10.
Rose, Elias B., assignor of one-fourth to W. J. Hollenbeck, one-twentieth to G. R. Hollenbeck, one-twentieth to H. Helmeche, and one-twentieth to F. H. Martin, Los Angeles, Calif. Adjustable self-closing valve. 1,560,915; Nov. 10.
Rosén, Gustaf F. K., Kalmar, Sweden. Rotary pump or motor. 1,560,804; Nov. 10.
Rouanet, Louis, Ivry-Port, assignor to the Compagnie d'Applications Mecaniques, Paris, France. Locking device for removable wheels. 1,561,026; Nov. 10.
Ruddick, John J., West Newton, Mass., assignor to General Street Signal Corporation, Rochester, N. Y. Impulse transmitter. 1,561,115; Nov. 10.
Rupp, Herbert E. (See Johnson, L. H., and Rupp.)
Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Flexible metallic pipe connection. 1,560,735; Nov. 10.
Rutenber, Edwin A., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Waffle iron or similar article. Des. 68,733; Nov. 10.
Rutledge, Edward H. (See Eckert, C., and Rutledge.)
Ruttenberg, Samuel, and M. N. Leibowitz, Brooklyn, N. Y. Radiodial. Des. 68,734; Nov. 10.
Ryan, Walter D., Schenectady, N. Y. Vehicle headlight housing. Des. 68,735; Nov. 10.
Ryan, Walter D., Schenectady, N. Y. Vehicle headlight housing. Des. 68,736; Nov. 10.
Ryan, Walter D., Schenectady, N. Y. Vehicle headlight housing. Des. 68,737; Nov. 10.
Safety Car Heating & Lighting Company, The. (See Hulse, George E., assignor.)
Safety Car Heating & Lighting Company, The. (See Macnab, Edward S. M., assignor.)
Sager, J. H., Company. (See Sager, James H., assignor.)
Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Fender. 1,560,943; Nov. 10.
Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Mud-guard fender for motor vehicles. 1,560,944; Nov. 10.
Salazar, Jess G., Atwater, Calif. Renewable-head tool. 1,560,736; Nov. 10.
Sandeman, Ronald L., Bearsden, Scotland. Loom for weaving pile fabric. 1,561,282; Nov. 10.
Sargent & Company. (See Sargent E. R., and Kelly, assignors.)
Sargent, Don A., assignor to Northern Trailer Company, Bangor, Me. Snowplow. 1,561,028; Nov. 10.
Sargent, Edward R., New Haven, and M. J. Kelly, Wallingford, assignors to Sargent & Company, New Haven, Conn. Casket handle. 1,561,027; Nov. 10.
Sarnelle, Charles L., Brooklyn, N. Y. Auxiliary fuel tank for automobiles. 1,561,358; Nov. 10.

Sattler, Elmer A., Belleville, Ill. Stove. Des. 68,738; Nov. 10.
Sattler, Elmer A., Belleville, Ill. Stove. Des. 68,739; Nov. 10.
Sautreau, Eugène, Nancy, France. Device for fastening and leveling railway rails. 1,561,189; Nov. 10.
Savage Arms Corporation. (See Nelson, Charles A., assignor.)
Saxe, John, Cartago, assignor of one-half to H. G. Purdy, San Jose, Costa Rica, Central America. Collapsible tube. 1,561,188; Nov. 10.
Schaefer, Walter J. (See Bremer, E. C., and Schaefer.)
Schaffer, George J., Los Angeles, Calif. Fire-preventing device for motion-picture-projection machines. 1,560,916; Nov. 10.
Schauman, Bror M., et al. (See Schauman, Bror M., assignor.)
Schauman, Bror M., Atlantic Highlands, assignor of one-fifth to G. V. Johnson, one-fifth to O. Gautschy, one-fifth to H. N. Johnson, Highlands, one-fifth to W. Koch, Long Branch, and one-fifth to B. M. Schauman, Atlantic Highlands, N. J. Heating furnace. 1,560,805; Nov. 10.
Schleicher, Leo W., Detroit, Mich. Parallel clamp. 1,561,359; Nov. 10.
Schmidt, Emil G. (See Brown, B. K., and Schmidt.)
Schmitz, Joseph A., Chicago, and A. E. Schuyler, Evanston, Ill. Grain door for freight cars. 1,561,029; Nov. 10.
Schofield, Francis H., Teddington, England. Optical pyrometer or similar instrument. 1,560,864; Nov. 10.
Schreiner, George, New Orleans, La. Horse collar and hame. 1,561,360; Nov. 10.
Schückher, Albert, Vienna, Austria. Method of and apparatus for heating water. 1,560,806; Nov. 10.
Schurmann, Henry F., Wilmette, assignor to W. A. Schurmann & Co., Chicago, Ill. Box or carton. 1,561,361; Nov. 10.
Schurmann, W. A., & Co. (See Schurmann, Henry F., assignor.)
Schutte and Koerting Company. (See Knauf, Paul W., assignor.)
Schuyler, Adyn E. (See Schmitz, J. A., and Schuyler.)
Schwerin, Paul, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,560,737; Nov. 10.
Schwettman, Harry W., assignor to The Gruen Watch Company, Cincinnati, Ohio. Wrist-watch case. Des. 68,740; Nov. 10.
Scott, John W., et al. (See Smith, Hazor J., assignor.)
Scullin Steel Co. (See Deerr, Harry E., assignor.)
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Locking means for anti-friction bearing rings. 1,561,443; Nov. 10.
Sears, Henry W. (See Peterson, B. M., Sears, and Peterson.)
Secrest, George R., assignor of one-half to H. Nicholls, McRae, Mont. Climbing figure toy. 1,560,945; Nov. 10.
Sedberry, James B., Utica, N. Y. rinding mill. 1,560,865; Nov. 10.
Seely, Martin E., Cleveland, Ohio. Shaft-driving mechanism. 1,561,190; Nov. 10.
Segal Metal Products Company. (See Segal, Samuel, assignor.)
Segal, Samuel assignor to Segal Metal Products Company, Inc., New York, N. Y. Mortise lock. 1,561,283; Nov. 10.
Seidell, Alfred P., Bloomfield, assignor to Orange Lighting Fixture Manufacturing Company, Orange N. J. Electric chandelier. Des. 68,741; Nov. 10.
Sels, Hollis K., Pittsburgh, and T. Simmons, Homewood, Pa., assignors to Westinghouse Electric & Manufacturing Company. Regulator system. 1,561,284; Nov. 10.
Séror, Albert, New York, N. Y. Toy animal. Des. 68,742; Nov. 10.
Sealer, Fred A., Providence, R. I., assignor to Westinghouse Electric & Manufacturing Company. Apparatus for testing the rate of liquid absorption by fabrics or the like. 1,561,285; Nov. 10.
Shawmut Engineering Company. (See Bixby, Walter, assignor.)
Shawmut Engineering Company. (See Hathaway, Edgar F., assignor.)
Shenango Pottery Co. (See De Lan, Eugene A., assignor.)
Sherbond, Earl H., Cleveland, Ohio, assignor to C. A. Criqui, Buffalo, N. Y. Driving mechanism. 1,560,609; Nov. 10.
Sherman, John Q., Dayton, Ohio. Printing and mantfolding machine. 1,560,866; Nov. 10.
Sherman John Q. (See Metzner, Albert W., assignor.)
Sherrill, James F. (See Upright, W. A., and Sherrill.)
Shetka, Thomas, St. Paul, Minn. Control for float valves. 1,560,867; Nov. 10.
Shinn, Lyle B., assignor to Chicago Cabinet Lock Co., Chicago, Ill. Lock. 1,560,868; Nov. 10.
Shoffstall, Hugh F., New York, N. Y., assignor to American Telephone and Telegraph Company. Supervisory circuit. 1,560,610; Nov. 10.
Short, Charles E., assignor to General Motors Research Corporation, Dayton, Ohio. Piston. 1,561,030; Nov. 10.
Sierra Art Engraving Co. (See Antz, Albert H., assignor.)
Sikorsky, Igor I., New York, N. Y. Flying machine. 1,560,869; Nov. 10.
Silliman, John C., Palo Alto, Calif. Vein stabilizer. 1,561,116; Nov. 10.
Simmen, Paul J., Eden, N. Y. Speed-control system for vehicles. 1,560,611; Nov. 10.
Simmons Hardware Company. (See Ramstetter, F., and Britt, assignors.)
Simmons, Theodore. (See Sels, H. K., and Simmons.)
Simon, Louis H., Seattle, Wash. Retarding chute. 1,561,448; Nov. 10.
Simpson, Emory G., Highland Park, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Door-pull handle. 1,560,946; Nov. 10.
Simpson, Joseph T., Chicago, Ill. Screening and separating machine. 1,561,031; Nov. 10.
Sims, Mirabeau, Philadelphia, assignor to J. A. Horner, Bath, Pa. Street cleaning. 1,560,612; Nov. 10.
Sinclair, John R., Holyoke, Mass. Paper-cylinder mold. 1,561,117; Nov. 10.
Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
Singer, Marços, Yonkers, N. Y. Vernier dial. 1,560,613; Nov. 10.
Skelton, Dorothy M., assignor to W. A. Skelton, Los Angeles, Calif. Exhaust muffler for internal-combustion engines. 1,560,947; Nov. 10.
Skelton, Willis A. (See Skelton, Dorothy M., assignor.)
Slater, Guy P., Tulsa, Okla. Walking beam for oil wells and the like. 1,560,870; Nov. 10.
Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Crest voltmeter. 1,561,362; Nov. 10.
Small, Chesley T., St. Louis, Mo. Air exhaust for filling machines. 1,561,032; Nov. 10.
Smith, Alice M., Portland, Me. Cooker. 1,561,363; Nov. 10.
Smith, Arthur H., et al. (See Pond, Edmund M., assignor.)
Smith, Arthur M. (See Niece, Fred G., assignor.)
Smith, Don L., South Bend, Wash. Soap box or holder. 1,560,871; Nov. 10.
Smith, Esme, et al. (See Pond, Edmond M., assignor.)
Smith, Goodwin B., Philapelphia, Pa., assignor to Smith Vending Machine Corp., New York, N. Y. Receptacle. 1,561,444; Nov. 10.
Smith, Hazor J., assignor, by mesne assignments, of one-fourth to W. Reid, Springfield, Mass., one-fourth to A. Buckley, jr., Providence, R. I., and one-fourth to J. W. Scott, Philadelphia, Pa. Refrigerator system. 1,560,807; Nov. 10.
Smith, Hazor J., assignor, by mesne assignments, of one-fourth to W. Reid, Springfield, Mass, one-fourth to A. Buckley, jr., Providence, R. I., and one-fourth to J. W. Scott, Philadelphia, Pa. Pressure temperature valve. 1,561,118; Nov. 10.
Smith, Hazor J., assignor, by mesne assignments, of one-fourth to W. Reid, Springfield, Mass, one-fourth to A. Buckley, jr., Providence, R. I., and one-fourth to J. W. Scott, Philadelphia, Pa. Flexible coupling. 1,561,119; Nov. 10.
Smith, Hazor J., assignor, by mesne assignments, of one-fourth to W. Reid, Springfield, Mass, one-fourth to A. Buckley, jr., Providence, R. I., and one-fourth to J. W. Scott, Philadelphia, Pa. Compressor gland. 1,561,364; Nov. 10.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,560,738; Nov. 10.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,561,191; Nov. 10.
Smith, Joseph M., Detroit, Mich. Pressure regulator. 1,561,365; Nov. 10.
Smith, Leon, Hammondsport, N. Y. Crossing grate for gutters. 1,561,120; Nov. 10.
Smith, Melvin R., assignor to D-Flecto Light Company, Danbury, Conn. Deflector for headlights. Des. 68,473; Nov. 10.
Smith, Michael J., assignor to Iron Closet Bend Company, Morristown, N. J. Plumbing connection. 1,561,436; Nov. 10.
Smith, Thomas B. (See Elkins, C. E., and Smith.)
Smith Vending Machine Corp. (See Smith, Goodwin B., assignor.)
Smothers, Ralph L., assignor of one-half to R. L. Chrisman, Salina, Colo. Headlight. 1,560,948; Nov. 10.
Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Fuse. 1,561,366; Nov. 10.
Snyder, Cecil A., Hampstead, assignor of one-half to L. C. Caltrider, Reisterstown, Md. Dumping truck. 1,561,286; Nov. 10.
Snyder, Charles A., Philadelphia, Pa. Machine and process for reclaiming silk. 1,560,614; Nov. 10.
Sonora Phonograph Company. (See Wolff, Joseph, assignor.)
Spalding, A. G., & Bros. (See Reach, William F., assignor.)
Speidel, Charles F., assignor to Eastman Kodak Company, Rochester, N. Y. Spool holder for cameras. 1,560,615; Nov. 10.



Spencer, John A., Revere, assignor to Spencer Thermostat Company, Cambridge, Mass. Electric heater. 1,561,437; Nov. 10.
Spencer, Reginald W., South Kirkby, near Pontefract, England. Pipe joint. 1,561,033; Nov. 10.
Spencer Thermostat Company. (See Spencer, John A., assignor.)
Sperl, Gustav R., Milwaukee, Wis. Adjustable antiglare shield. 1,561,034; Nov. 10.
Spicer, Clarence, and G. L. Tarbox, Plainfield, N. J., assignors to Spicer Manufacturing Corporation. Flexible coupling. 1,561,192; Nov. 10.
Spicer Manufacturing Corporation. (See Spicer, C. W., and Tarbox, assignors.)
Spinney, Edmund S., Abington, assignor to J. Fitzpatrick, Brockton, and C. H. Fitzpatrick, North Abington, Mass. Last. 1,561,121; Nov. 10.
Spiral Radiator Company. (See Olson, John O., assignor.)
Splitdorf Electrical Company. See Nowosielski, Edward B., assignor.)
Spreen, Charles C., Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation. Valve. 1,561,367; Nov. 10.
Spring, George B., Newton Highlands, Mass. Reenforcement for poles. 1,561,193; Nov. 10.
Stahl, Ernst, New York, N. Y. Milk bell. 1,560,872; Nov. 10.
Stahl, Sarah M., Utica, N. Y. Luggage carrier. 1,561,122; Nov. 10.
Staley, Raleigh H., assignor to The Baker Manufacturing Company, Springfield, Ill. Motor-vehicle attachment. 1,561,368; Nov. 10.
Stallard, Roswell G., Centralia, Wash. Nut lock. 1,560,616; Nov. 10.
Standard Brass Casting Co. (See Page, John C., assignor.)
Stanick, Samuel, Marlboro, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attaching elastic heels to boots or shoes. 1,560,617; Nov. 10.
Starr, Frank E., Sydney, New South Wales, Australia, assignors to Meakers Limited and A. R. Marks, London, England. Device for separating the inner and outer parts of double collars for shirts. 1,560,739; Nov. 10.
Stauffer, Fred, Mount Vernon, Mo. Stanchion. 1,561,123; Nov. 10.
Steele, Lawrence C., Pittsburgh, Pa. Shearing machine for metal sheets. 1,560,808; Nov. 10.
Stelling, John L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,560,740; Nov. 10.
Stentorphone Company. (See Whitson, Delmar A., assignor.)
Stern, Marc, Brooklyn, N. Y., assignor to Doehler Die-Casting Co. Method and apparatus for die casting. 1,561,287; Nov. 10.
Stevens, Enoch P., deceased, Chicago, Ill.; M. A. Stevens, executrix. Brick-treating apparatus. 1,560,618; Nov. 10.
Stevens, Mary A., executrix. (See Stevens, Enoch P.)
Stevenson, John J., Muskegon, Mich. Clothes drier. 1,561,369; Nov. 10.
Steward, Joseph E., Prince George, British Columbia, Canada. Rail joint. 1,561,035; Nov. 10.
Stewart, Benjamin F., Birmingham, Ala. Marcel waver. 1,561,124; Nov. 10.
Stewart, Charles V. (See Gibbs, B. H., and Stewart.)
Stewart, Richard F., Briarcliff Manor, N. Y. Machine for cutting butter and the like. 1,560,619; Nov. 10.
Stimson, Arthur, assignor of one-half to J. A. Risher, Chicago, Ill. Antitheft device for automobiles. 1,561,194; Nov. 10.
Stone, Gunnard. (See Peterson, Emil R., assignor.)
Stone, Melvin L., Lawrence, assignor to Draper Corporation, Hopedale, Mass. Warp stop mechanism for looms. 1,560,809; Nov. 10.
Stone, Selden L., and R. C. Braendlein, Indianapolis, Ind. Time switch. 1,560,810; Nov. 10.
Stoop, William J., Wheeling, W. Va. Apparatus for feeding powdered coal. 1,560,873; Nov. 10.
Storer, Norman W., Pittsburgh, and R. E. Ferris, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company. Motor-generator set. 1,561,370; Nov. 10.
Stough, Jay A., Tulsa, Okla. Tank scaffold. 1,560,874; Nov. 10.
Strack, Herman. (See Hausmann, P., and Strack.)
Strauss, Ferdinand, Corporation. (See Kats, Henry, assignor.)
Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
Strupe, Cecil H., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Adjustable stand. 1,561,371; Nov. 10.
Stubbs, Warren B., St. Louis, Mo. Housing unit for railway workers. 1,560,917; Nov. 10.
Stübgen, Rudolf, Erfurt, Germany. Automatic feeding of metal sheets and the like. 1,560,918; Nov. 10.
Stüsser, Richard, Koln-Deutz, assignor to Farbenfabriken vorm Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Azodyestuff. 1,560,949; Nov. 10.
Styberg, Ernest C., Racine, Wis. Recorder for card games. Des. 68,744; Nov. 10.
Subert, Josef, Oak Park, Ill. Piping system for hot-air furnaces. 1,560,875; Nov. 10.
Submarine Signal Company. (See Barber, Walter H., assignor.)
Submarine Signal Company. (See Fessenden, Reginald A., assignor.)
Sugden, George F., Manchester, England. Apparatus for charging liquids with carbon-dioxide gas. 1,561,036; Nov. 10.
Sulzer, Albert F., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacturing cellulose acetate. 1,561,620; Nov. 10.
Sundstrom, Herman T., Houston, Tex., assignor to Mergenthaler Linotype Company. Safety attachment for linotypes and intertypes. 1,561,372; Nov. 10.
Superheater Company, The. (See Broido, Benjamin, assignor.)
Sutton, Chase E. (See Hair, H. H., and Sutton.)
Swann, James T. (See Murphy, C. B., and Swann.)
Swanson, John J., Elgin, Nebr. Transmission-pedal control. 1,560,621; Nov. 10.
Sweet, Clifford I., Sterling, Ill. Toy animal. 1,561,373; Nov. 10.
Sweet, Clifford I., Highland Park, Ill. Animal toy. 1,561,374; Nov. 10.
Sweet, Robert C., et al. (See Cooper, William D., assignor.)
Sylvan, Joseph, Cicero, Ill. Window-frame construction. 1,560,876; Nov. 10.
Sylvest, Aage C. (See Anderson, C., and Sylvest.)
Szymkowiak, Anton, San Francisco, Calif. Weather stop. 1,561,195; Nov. 10.
Taggart, Emma R. H., Liberty, Mo. Stuffed toy. 1,560,877; Nov. 10.
Tarbox, Gurdon L. (See Spicer, C. W., and Tarbox.)
Tatum, John J., Baltimore, Md. System for repairing railway cars. 1,560,878; Nov. 10.
Taylor, Cornelius L., Huntington, W. Va. Gas heating stove. 1,561,375; Nov. 10.
Taylor-Wharton Iron and Steel Company. (See Mayer, Waldemar F., assignor.)
Taylor-Wharton Iron and Steel Company. (See Morgan, Walter S., assignor.)
Taylor-Wharton Iron and Steel Company. (See Van Buskirk, Lesher W., assignor.)
Tepper, Morris, Chicago, Ill. Perforating and scoring attachment for printing presses. 1,560,622; Nov. 10.
Ternstedt Manufacturing Company. (See Heintz, Ernest E., assignor.)
Tesmatedt Manufacturing Company. (See Simpson, Emory G., assignor.)
Them, Hermann, Dinglingen, Germany. Self-igniting marine torch. 1,561,125; Nov. 10.
Thiele, William F., Wisconsin Rapids, Wis. Air-treating apparatus for driers. 1,560,950; Nov. 10.
Thomas, Herbert F., Seattle, Wash., assignor to H. B. Jameson. Water-circulating device. 1,561,376; Nov. 10.
Thompson, Louis W., and J. W. McNairy, Schenectady, N. Y., assignors to General Electric Company. Flow meter and the like. 1,560,951; Nov. 10.
Thompson, Ray A., Chicago, Ill. Street sign. Des. 68,745; Nov. 10.
Tiffany Manufacturing Co. (See Joyce, Harold L., assignor.)
Timm, John C., Youngstown, Ohio. Concrete-reenforcing member. 1,561,126; Nov. 10.
Tinnerman, Albert H., Cleveland, Ohio. Stove door and frame construction. 1,560,879; Nov. 10.
Tioga Steel and Iron Company. (See Layton, Le Roy, assignor.)
Toledo Scale Company. (See Bergen, Harry S., assignor.)
Topping, Wilbur, and A. W. Nelson, assignors to Columbian Enameling & Stamping Co., Terre Haute, Ind. Coffeepot. 1,560,741; Nov. 10.
Towner, Harold G., New Haven, Conn. Cartridge for projectiles. 1,560,623; Nov. 10.
Traverse City Iron Works. (See Joynt, Herbert O., assignor.)
Travis, Ward G., Canton, Kans. Railway-track gauge. 1,561,377; Nov. 10.
Trau, Isidor K., Louisville, Ky. Adjustable cap. 1,560,952; Nov. 10.
Trautner, George H. (See Trautner, William L. and G. H.)
Trautner, William L. and G. H., St. Paul, Minn. Oil retainer. 1,561,378; Nov. 10.
Trexise, Raleigh E. (See Wiseman, Earl H., assignor.)
Trojan Powder Company. (See Snelling, Walter O., assignor.)
Tromanhauser, Jesse H., Toronto, Ontario, Canada. Constructing concrete cribs. 1,560,880; Nov. 10.
Tronolone, Dominick. (See Kelley, W. V. D., and Tronolone.)
Trudeau, John F. (See Heitman, E., and Trudeau.)
Trumbull, Richard J., Chicago, Ill. Automobile seat cover. 1,560,742; Nov. 10.
Truscon Steel Company. (See Briody, Bernard, assignor.)
Tucker Brothers Manufacturing Company. (See Tucker, Jesse D., assignor.)

Tucker, Jesse D., assignor to Tucker Brothers Manufacturing Company, Sacramento, Calif. Spring-axle construction. 1,561,037; Nov. 10.

Twin Piston Ring Corporation. (See Almquist, Amandus W., assignor.)

Uhrig, John H., Beverly, assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Centrifugal mold. 1,560,953; Nov. 10.

Ulmen, Phillip C., River Rouge, H. H. Becker, and R. T. Mann, Detroit, Mich. Quick-cook sulphite process. 1,560,881; Nov. 10.

Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)

Unger, Wilfred G., Hagerstown, Md. Piston and piston ring. 1,561,379; Nov. 10.

Union Special Machine Company. (See Heap, Jesse J., assignor.)

Union Sulphur Company. (See Wilkinson, Henry H., assignor.)

United Engineering and Foundry Company. (See Biggert, F. C., jr., and Johnson, assignors.)

United Machinery Company, The. (See Cover, Ralph, assignor.)

United Machinery Company. (See Leister, William H., assignor.)

United Metal Products Company, The. (See Miller, Herman C., assignor.)

United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)

United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)

United Shoe Machinery Corporation. (See Goddard, John W., assignor.)

United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)

United Shoe Machinery Corporation. (See Stanick, Samuel, assignor.)

United States Cast Iron Pipe & Foundry Company. (See Uhrig, John H., assignor.)

United States Envelope Co. (See Rivage, Charles, assignor.)

Unrub, Albert A., assignor of one-half to D. O. Fisher, Portland, Oreg. Fishing-line reel. 1,560,919; Nov. 10.

Upright, Warren A., Highland, and J. F. Sherrill, San Bernardino, Calif. Automatic release switch. 1,560,954; Nov. 10.

Vaaler, Jens, assignor to The Clemetsen Company, Chicago, Ill. Desk structure. 1,561,288; Nov. 10.

Vallier, Orvis W., assignor to J. B. Wise Incorporated, Watertown, N. Y. Water-mixing valve. 1,561,127; Nov. 10.

Van Brunt, Harry L., assignor of one-half to V. H. Burkhart, Hurst, Ill. Mud shoe. 1,561,380; Nov. 10.

Van Buskirk, Lesher W., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Refining paper stock. 1,560,743; Nov. 10.

Van Horne, John S., Franklin, Ohio. Incandescent lamp. 1,560,882; Nov. 10.

Vapor Car Heating Company, Inc. (See Russell, Edward, assignor.)

Varley, Cromwell H., Chelworth Hill, near Guildford, England. Pump, engine, and the like. 1,560,624; Nov. 10.

Vaughan & Bushnell Manufacturing Company. (See Haines, George D., assignor.)

Vennes, Harald J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling by high-frequency waves. 1,561,289; Nov. 10.

Vernaci, Domenico G. (See Bembina, Melchiorre, assignor.)

Vickers Limited. (See Wearham, John, assignor.)

Viek, Max, New York, N. Y. Chair. 1,560,920; Nov. 10.

Volland, Albert, assignor of one-half to W. C. Volland, Burlington, Kans. Electric switch. 1,560,883; Nov. 10.

Volland, William C. (See Volland, Albert, assignor.)

Von Blitzingslöwen, Bruno, New York, N. Y. Puzzle game. 1,560,921; Nov. 10.

Waaler, George R., assignor to Crystal Fixture Co., Chicago, Ill. Display stand or similar article. Des. 68,746; Nov. 10.

Waaler, George R., assignor to Crystal Fixture Co., Chicago, Ill. Display bench or similar article. Des. 68,747; Nov. 10.

Wade, George, Newark, N. J. Heating means. 1,561,038; Nov. 10.

Wade, Robert A., Jersey City, N. J. Detachable heel tread for shoes. 1,561,381; Nov. 10.

Walcott, Asa E. (See Rocheleau, Alphonso, assignor.)

Waldman, Robert O., Berkeley, Calif. Forming padding. 1,560,744; Nov. 10.

Walker, Edward, Grantwood, N. J. Spraying apparatus. 1,561,039; Nov. 10.

Walker, John S., Pittsburgh, Pa. Combination punch and press. 1,560,745; Nov. 10.

Waller, Anthony E., Edgewood, R. I. Ear-ornament support and forming same. 1,561,128; Nov. 10.

Waller, John A., assignor to W. J. Lumbleau, Los Angeles, Calif. Building lath. 1,561,196; Nov. 10.

Walter, Harrison B., assignor to Chicago Mill and Lumber Company, Chicago, Ill. Box. 1,560,884; Nov. 10.

Walter, Richard, Dusseldorf, Germany. Making alloys. 1,560,885; Nov. 10.

Walter, William H., Denver, Colo. Egg turner for incubators. 1,560,746; Nov. 10.

Walters, George, Ardenode, Alberta, Canada. Container. 1,561,382; Nov. 10.

Walters, William W., Rochester, N. Y. Pen and pencil holder. 1,560,955; Nov. 10.

Walworth Manufacturing Company. (See Woodward, Daniel C., assignor.)

Warham, Charles E., Cincinnati, Ohio, assignor, by mesne assignments, of one-half to Metropolitan Trust Company, trustee, New York, N. Y. Garment press. 1,560,886; Nov. 10.

Warner, Joseph R., Syracuse, N. Y., and J. C. Fox, Mansfield, Ohio, assignors to Westinghouse Electric and Manufacturing Company. Safety appliance. 1,561,383; Nov. 10.

Waterbury Buckle Co. (See Moore, Roswell A., assignor.)

Watson, William W., Jamestown, N. Y. Suspension. 1,560,887; Nov. 10.

Watt, Roy, Healy, Kans. Chute. 1,560,888; Nov. 10.

Wearham, John, assignor to Vickers Limited, Westminster, London, England. Pneumatic piano player. 1,560,889; Nov. 10.

Webb, William R., Rochester, N. Y., assignor, by mesne assignments, to Carbide & Carbon Chemicals Corporation. Making alkyl chlorides. 1,560,625; Nov. 10.

Wege, Peter M., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Metal cupboard construction. 1,560,922; Nov. 10.

Weiller, Henry, et al. (See Cooper, William D., assignor.)

Weinbach, Mendel P., Columbia, Mo. Vector calculator. 1,560,747; Nov. 10.

Weiss, Jay G., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Quenching apparatus and process. 1,561,384; Nov. 10.

Wellington-Stone Company, Inc. (See Mandel, Jacob, assignor.)

Wells, Bliss B., assignor of one-half to H. C. Remer, Saginaw, Mich. Signal switch device for steering wheels. 1,560,956; Nov. 10.

Welter, Adolf, Krefeld-Pzeinhafen, Germany. Manufacture of high-percentage, nondecomposable, durable soap. 1,560,626; Nov. 10.

Wemp, Ernest E., Detroit, Mich. Clutch. 1,560,957; Nov. 10.

Wenderhold, William, assignor, by mesne assignments, to E. J. Banzhaf, New York, N. Y. Magnetic carbon holder. 1,561,197; Nov. 10.

West Electric Hair Curler Co. (See Lozano, Joseph M., assignor.)

West, Harry H., Kingston, Pa. Sprocket-chain link. 1,560,923; Nov. 10.

West Virginia Pulp and Paper Company. (See Drewsen, Viggo, assignor.)

Westbo, Leonard A., Pierce County, Wash. Carburetor. 1,561,385; Nov. 10.

Westedt, William. (See Wilkie, W. M., and Westedt.)

Western Electric Company. (See Beers, Roland F., assignor.)

Western Electric Company. (See Chaplin, Merle P., assignor.)

Western Electric Company. (See Curtis, Alfred S., assignor.)

Western Electric Company. (See Fry, Jacob R., assignor.)

Western Electric Company. (See Garvin, John S., assignor.)

Western Electric Company. (See Goddard, Frederick M., assignor.)

Western Electric Company. (See Griggs, Elmer V., assignor.)

Western Electric Company. (See Houskeeper, William G., assignor.)

Western Electric Company. (See Kingsbury, Edwin F., assignor.)

Western Electric Company. (See Locke, George A., assignor.)

Western Electric Company. (See Miller, Daniel D., assignor.)

Western Electric Company. (See Nichols, Harold W., assignor.)

Western Electric Company. (See Potts, Louis M., assignor.)

Western Electric Company. (See Pruden, Harold M., assignor.)

Western Electric Company. (See Radu, John W., assignor.)

Western Electric Company. (See Schwerin, Paul, assignor.)

Western Electric Company. (See Stelling, John L., assignor.)

Western Electric Company. (See Vennes, Harald J., assignor.)

Western Electric Piano Company. (See Wilcox, Russell I., assignor.)

Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)

Westinghouse Electric & Manufacturing Company. (See Ayres, William E. M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Bastian, Arthur J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Brace, Porter H., assignor.)





Westinghouse Electric & Manufacturing Company. (See Colby, Ora A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Highbee, Ray P., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hoey, Samuel C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)

Westinghouse Electric & Manufacturing Company. (See Johnston, Howard H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Keene, Alvin D., assignor.)

Westinghouse Electric & Manufacturing Company. (See Krantz, Hubert K., assignor.)

Westinghouse Electric & Manufacturing Company. (See Kraut, Samuel B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lammers, Edwin S., jr., assignor.)

Westinghouse Electric & Manufacturing Company. (See Maxfield, Harold A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Menzies, William E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Miner, Douglas F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Nagel, Harry C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Pupin, Michael I., assignor.)

Westinghouse Electric & Manufacturing Company. (See Sels, H. K., and Simmons, assignors.)

Westinghouse Electric & Manufacturing Company. (See Sesler, Fred A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)

Westinghouse Electric & Manufacturing Company. (See Storer, N. W., and Ferris, assignors.)

Westinghouse Electric & Manufacturing Company. (See Warner, J. R., and Fox, assignors.)

Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)

Weston, William S., Columbia, S. C. Locking device for mantle nuts. 1,560,924; Nov. 10.

Weymann, Charles T., Paris, France. Door latch. 1,561,129; Nov. 10.

Wheeler, Earl H., Windsor, Vt., assignor to The National Acme Company, Cleveland, Ohio. Feed collet or pusher. 1,561,040; Nov. 10.

White, Edward N. et al., trustees. (See Eaton, James M., assignor.)

White, Harold E., Montclair, N. J. Electric-circuit protector. 1,561,386; Nov. 10.

White, John W., assignor to General Motors Corporation, Detroit, Mich. Heat treatment of gears or the like. 1,561,041; Nov. 10.

White, Richard P., Chicago, Ill. Jar and bail therefor. 1,561,198; Nov. 10.

White, Will N., and R. Overfield, Independence, Kans. Safety sucker-rod elevator and wrench combined. 1,561,387; Nov. 10.

Whitlock, Elizabeth C., Chicago, Ill. Catamenial bandage and support. 1,560,890; Nov. 10.

Whitney Mfg. Co., The. (See Belcher, Warren J., assignor.)

Whitson, Delmar A., assignor, by mesne assignments, to Stentorphone Company, Los Angeles, Calif. Loud speaker. 1,560,925; Nov. 10.

Wiart, Marcel J., Ogden, Utah. Primary classification plate. 1,560,627; Nov. 10.

Wicke, A. C., Manufacturing Company. (See Wicke, Charles E., assignor.)

Wicke, Charles E., Mount Vernon, assignor to A. C. Wicke Manufacturing Company, New York, N. Y. Cover plate for display cases. 1,561,290; Nov. 10.

Wieland, Hermann, Konigsberg, assignor to the Firm C. H. Boehringer Sohn, Chemische Fabrik, Nieder-Ingelheim-on-the-Rhine, Germany. Anæsthetic. 1,561,130; Nov. 10.

Wilcox, Merrill M. (See Lee, Harry S., assignor.)

Wilcox, Russell I., assignor, by mesne assignments, to Western Electric Piano Company, Chicago, Ill. Automatic player piano. 1,561,199; Nov. 10.

Wild, Alfred, Milwaukee, Wis., assignor to Heywood-Wakefield Company, Boston, Mass. Weaving machine. Re16,208; Nov. 10.

Wilderson, Clinton G., assignor to The Crescent Machine Company, Leetonia, Ohio. Work clamp for woodworking machines. 1,560,748; Nov. 10.

Wiley, Samuel, Metuchen, N. J. Grenade. 1,560,628; Nov. 10.

Wilkie, Wilton M., and W. Westedt, New Hampton, Iowa. Attachment for carburetors. 1,561,131; Nov. 10.

Wilkinson, Henry H., Brooklyn, N. Y., assignor to Union Sulphur Company. Producing an allotropic form of sulphur. 1,560,926; Nov. 10.

Wilkinson, Walter J., Caulfield, and B. A. Hamill, East Melbourne, Australia. Rim breaker. 1,560,958; Nov. 10.

Willamette Iron and Steel Works. (See Gorbutt, Sidney B., assignor.)

Williams, Alfred E., Copper Hill, Ariz. Drill head. Re16,210; Nov. 10.

Williams, D. T., Valve Company, The. (See Ernst, Harry J., assignor.)

Williams, Richard C., Baltimore, Md. Recovering diatomaceous earth from waste material. 1,561,042; Nov. 10.

Willson, Thomas C., Philadelphia, Pa. Photographic-printing device. 1,560,959; Nov. 10.

Willson, William P., Arlington, Vt., assignor to W. E. Kidder, Kalamazoo, Mich. Refrigerator. 1,560,629; Nov. 10.

Willys-Overland Company. (See Belden, Edward H., assignor.)

Wine, William E., Toledo, Ohio. Car-door lock. 1,561,388; Nov. 10.

Winship, Ross, Valparaiso, Ind. Child's table. 1,561,438; Nov. 10.

Winston, W. O., jr. (See Greer, Edward R., assignor.)

Wise, Cora, B., Dallas, Tex. Combination pan. 1,561,132; Nov. 10.

Wise, J. B., Incorporated. (See Vallier, Orvis W., assignor.)

Wiseman, Earl H., assignor to R. E. Tresise, Cleveland, Ohio. Filling device. 1,561,200; Nov. 10.

Wismar, Joseph. (See Ferree, M., and Wismar.)

Witherow Steel Company. (See Witherow, William P., assignor.)

Witherow, William P., Pittsburgh, assignor to Witherow Steel Company, Neville Island, Pa. Die rolling. 1,560,749; Nov. 10.

Wocel, Frank E., Whitestone, and E. A. Johnson, Brooklyn, N. Y., assignors to Apex Specialties Corporation. Chip and chip holder. 1,561,201; Nov. 10.

Wolf, Austin M., Plainfield, N. J., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,560,927; Nov. 10.

Wolfe, Arthur H., Philadelphia, Pa., assignor of one-half to D. A. Wolfe, Grand Rapids, Mich. Collapsible case. 1,560,630; Nov. 10.

Wolfe, Durward A. (See Wolfe, Arthur H., assignor.)

Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Radiocabinet. Des. 68,748; Nov. 10.

Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Cabinet for sound-producing devices. Des. 68,749. Nov. 10.

Wolpert, Joseph, New Brunswick, N. J. Scooter sled. 1,560,928; Nov. 10.

Wollers, Georg, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Reflex oven. 1,561,389; Nov. 10.

Wood, Frank W., Montclair, N. J., assignor to Chas. Cory & Son, Incorporated, New York, N. Y. Generator for use in speed-indicator systems. 1,560,750; Nov. 10.

Woodman, George A., Chicago, Ill. Journal box. 1,560,752; Nov. 10.

Woodman, George A., assignor of one-half to V. J. Burry, one-fourth to O. S. Flath, and one-fourth to O. E. Quinton, Chicago, Ill. Roller side bearing for cars. 1,560,751; Nov. 10.

Woods, Robert G., Newton, Iowa. Kitchen utensil. 1,560,929; Nov. 10.

Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Continuous-conveyer bake oven. 1,561,390; Nov. 10.

Woodward, Daniel C., assignor to Walworth Manufacturing Company, Boston, Mass. Metal-Finishing machine. 1,561,133; Nov. 10.

Woollen, Harry. (See Quintin, John C., assignor.)

Woolman, Arthur A., Deer Lodge, Mont. Folding soldering iron. 1,561,134; Nov. 10.

Worth, Paul, Akron, assignor to The India Tire and Rubber Company, Mogadore, Ohio. Resilient tire. Des. 68,750; Nov. 10.

Wright, Edward A., Wichita, Kans. Automatic window adjuster. 1,560,930; Nov. 10.

Wright, John A., Maquoketa, Iowa. Glare screen. 1,561,391; Nov. 10.

Wyckoff, J. Lewis, et al., trustees. (See Eaton, James M., assignor.)

Xippas, Socrates A., Pittsburgh, Pa. Electric fan. 1,560,961; Nov. 10.

Yale & Towne Manufacturing Company, The. (See Ledin, Charles, assignor.)

Yamanouchi, Teiji. (See Emura, Umejiro, assignor.)

Yost, Frederick, Golden, Colo. Doorstop. 1,560,960; Nov. 10.

Young, Howard L., and F. W. Plumb, Shreveport, La. Secondary battery. 1,561,392; Nov. 10.

Young, Willamette J., Miami, Fla. Suspensory. 1,560,753; Nov. 10.

Yung, William A., Pittsburgh, Pa. Melting furnace. 1,561,393; Nov. 10.

Zaiss, Fred E., Beverly Hills, Calif. Machine for forming candy. 1,561,202; Nov. 10.

Zeiss, Firm of Carl. (See Kösters, Wilhelm, assignor.)

Zink, John F., Allegany, N. Y. Truss. 1,561,394; Nov. 10.

Zuckerman, Roscoe C., Stockton, Calif. Potato cleaner and sterilizer. 1,561,043; Nov. 10.

Zur Löwen Waldemar. (See Elsaesser, E., and zur Löwen.)

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 10TH DAY OF NOVEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Addressograph attachment. E. Coleman. 1,561,216; Nov. 10.
Adjustable stand. C. H. Strupe. 1,561,371; Nov. 10.
Advertising device. W. Hanson. 1,561,073; Nov. 10.
Advertising, Method of and apparatus for aerial. E. G. Finlay. 1,560,906; Nov. 10.
Aerial landing and launching apparatus. R. Gibbons. 1,560,775; Nov. 10.
Aeroplane. C. M. Petty. 1,561,108; Nov. 10.
Aircraft. C. K. Forner. 1,561,318; Nov. 10.
Aircraft construction. L. M. Kellogg. 1,560,996; Nov. 10.
Airplane. F. Ries. 1,560,860; Nov. 10.
Airplane framework and making the same. W. A. Lorens. 1,561,335; Nov. 10.
Air to workmen, Appartus for supplying. V. K. Korjibski. 1,561,086; Nov. 10.
Alkyl chlorides, Making. W. R. Webb. 1,560,625; Nov. 10.
Alloy. M. E. Page. 1,560,845; Nov. 10.
Alloys, Making. R. Walter. 1,560,885; Nov. 10.
Amplifier, Equalising vacuum tube. M. I. Pupin. 1,561,279; Nov. 10.
Amusement device. F. R. Glass. 1,561,071; Nov. 10.
Anæsthetic. H. Wieland. 1,561,130; Nov. 10.
Anemometer. C. O. Burton. 1,560,535; Nov. 10.
Annealing box. F. E. Mesta. 1,560,708; Nov. 10.
Antiglare shield, Adjustable. G. R. Speri. 1,561,034; Nov. 84.
Antiinduction device. F. M. Goddard. 1,560,778; Nov. 10.
Antiskid-chain carrier and applier for motor vehicles. J. T. Jinkens. 1,561,080; Nov. 10.
Antiskid chains, Device for taking up slack in. J. A. McBrady. 1,560,592; Nov. 10.
Apron, Medical and surgical. J. F. Kelly. 1,560,997; Nov. 10.
Aprons or other garments, Pocket for. A. Jenkins. 1,560,937; Nov. 10.
Ash-hopper construction. F. B. Allen. 1,561,293; Nov. 10.
Autotruck stake holder. J. Bell. 1,561,136; Nov. 10.
Automatic switch, W. G. Blauvelt. 1,560,531; Nov. 10.
Automobile bumper. C. Offenhauser. 1,561,184; Nov. 10.
Automobile doors, Connecting means for two-part. M. R. Hull. 1,560,788; Nov. 10.
Automobile extractor. B. M. Peterson, H. W. Sears, and E. D. Peterson. 1,560,722; Nov. 10.
Automobile radiators, Electric heater for. T. Dolan. 1,560,673; Nov. 10.
Automobile seat cover. R. J. Trumbull. 1,560,742; Nov. 10.
Automobile speed signals, Operating. A. W. Olds. 1,560,844; Nov. 10.
Automobiles and trucks, Safety brake lock and brake-locking device for. F. H. Kagarise. 1,560,582; Nov. 10.
Automobiles, Antitheft device for. A. Stimson. 1,561,194; Nov. 10.
Automobiles, Auxiliary fuel tank for. C. L. Sarnelle. 1,561,358; Nov. 10.
Automobiles, Sander for. J. Malanca. 1,560,595; Nov. 10.
Axle construction, Spring-. J. D. Tucker. 1,561,037; Nov. 10.
Axles, Devices for gauging automobile. T. H. Andrews. 1,560,521; Nov. 10.
Azodyestuff, New. R. Stüsser. 1,560,949; Nov. 10.
Baffle tower. C. M. Alexander. 1,561,044; Nov. 10.
Bag fastener. J. Bresin. 1,560,969; Nov. 10.
Bag or receptacle. D. Karron. 1,561,241; Nov. 10.
Baller. S. L. Hedrick. 1,561,327; Nov. 10.
Baking machine. B. Encino. 1,561,315; Nov. 10.
Balancing machine. J. Lundgren. 1,561,177; Nov. 10.
Ball races and similar articles, Production of. G. H. Phelps. 1,560,723; Nov. 10.
Band-lug closure. C. Hammer. 1,561,431; Nov. 10.
Bar: *See*—
Bus bar.
Bar spacer. J. D. Gregg. 1,561,328; Nov. 10.
Basket, Fish. F. J. Nielsen. 1,561,351; Nov. 10.
Battery: *See*—
Dry-cell battery. Secondary battery.
Bean-sorting machine. A. Rocheleau. 1,560,863; Nov. 10.
Bearing-cap facer, Main-. H. O. Pence. 1,561,354; Nov. 10.
Bearing rings, Locking means for antifriction. B. R. Searles. 1,561,443; Nov. 10.
Bed, Folding. J. J. Braznell. 1,561,050; Nov. 10.
Bell, Milk. E. Stahl. 1,560,872; Nov. 10.
Belt for infants, Safety. A. L. Begg. 1,561,399; Nov. 10.
Bicycle support. J. I. Bodine. 1,560,892; Nov. 10.
Bicycles, Spring device for. C. A. Le Camus. 1,560,702; Nov. 10.
Bill fold. A. H. Michaels. 1,561,343; Nov. 10.
Bill-fold protector. D. M. Parkinson. 1,561,352; Nov. 10.
Bin: *See*—
Computing bin.
Binder knotter, Self-. E. A. Huffman. 1,560,819; Nov. 10.
Bituminous emulsion, Apparatus for making. L. Kirschbraun. 1,560,826; Nov. 10.
Blade holder. C. M. Brenden. 1,561,404; Nov. 10.
Blade sharpener. E. A. Lilly. 1,561,256; Nov. 10.
Blowpipes, Carbureted-air-gas apparatus for. Z. O. Rarrick. 1,561,024; Nov. 10.
Board: *See*—
Ironing board.
Boat, Trailer. B. H. Gibbs and C. V. Stewart. 1,560,983; Nov. 10.
Bobbin-winding machine. F. Ashworth. 1,560,523; Nov. 10.
Bobbins, Device to prevent vibration of. O. W. Richardson. 1,560,732; Nov. 10.
Boiler: *See*—
Steam boiler.
Boiler with superheater. B. Broido. 1,560,755; Nov. 10.
Boilers, Flue-cleaning apparatus for. J. T. Lemon. 1,561,004; Nov. 10.
Boilers, Low-water alarm for. W. M. Barbour. 1,561,135; Nov. 10.
Book-covering machine. C. A. Juengst. 1,560,581; Nov. 10.
Bookrack, Portable. E. D. Greedy. 1,561,156; Nov. 10.
Booth. W. M. Paige. Des. 68,729–30; Nov. 10.
Boots or shoes, Attaching elastic heels to. S. Stanick. 1,560,617; Nov. 10
Bottle. A. Mosheim. Des. 68,726; Nov. 10.
Bottle. C. J. Root. Des. 68,732; Nov. 10.
Bottle-blowing machines, Take-out device for. J. W. Lynch. 1,561,451; Nov. 10.
Bottle stopper. A. Mosheim. Des. 68,727; Nov. 10.
Box: *See*—
Annealing box. Ice box.
Collapsible box. Journal box.
Exhaust box. Stuffing box.
Box. H. B. Walter. 1,560,884; Nov. 10.
Box closure. A. H. Keller. 1,561,330; Nov. 10.
Box-making machine. O. W. Kennedy. 1,561,331; Nov. 10.
Box or carton. H. F. Schurmann. 1,561,361; Nov. 10.
Box or holder, Soap. D. L. Smith. 1,560,871; Nov. 10.
Box or similar container. A. T. Golinik. Des. 68,699; Nov. 10.
Boxes, Apparatus for use in covering cardboard and like. E. L. Bishop, 1,560,651; Nov. 10.
Brake: *See*—
Disk brake. Motor brake.
Brake-apply connection. A. Y. Dodge. 1,560,769; Nov. 10.
Brake attachment. C. H. Cole. 1,561,410; Nov. 10.
Brake beam, Railway. S. A. Crone. 1,561,058; Nov. 10.
Brakes, Automatic slack adjuster for air. W. S. De Camp. 1,560,980; Nov. 10.
Brick, Packing enamel. J. F. Boornem. 1,561,210; Nov. 10.
Brick-treating apparatus. E. P. Stevens. 1,560,618; Nov. 10.
Brush. H. B. Bell-Irving. 1,561,304; Nov. 10.
Brush, Flux. W. A. Painter. 1,561,015; Nov. 10.
Brush, Fountain. J. J. Chéron. 1,560,978; Nov. 10.
Brush, Rotary. R. R. Radinse. 1,561,280; Nov. 10.
Buckle. R. A. Moore. 1,561,009; Nov. 10.
Bug collector and spraying apparatus, Combination. F. B. Betts, jr. 1,560,529; Nov. 10.
Building form for concrete construction, Adjustable. W. R. C. Cook. 1,560,976; Nov. 10.
Bumper. E. J. Harvey. 1,561,074; Nov. 10.
Burner: *See*—
Hydrocarbon burner. Oil burner.
Bus bar. D. F. Miner. 1,561,270; Nov. 10.
Butter and the like, Machine for cutting. R. F. Stewart. 1,560,619; Nov. 10.
Button. S. F. Gammon. Des. 69,697; Nov. 10.





Button-feeding mechanism. S. D. Poisen. 1,560,605; Nov. 10.
Buttonhole, Stitched. E. B. Allen. 1,560,634; Nov. 10.
Cabinet, Casing for a dispensing. M. Bloom. Des. 68,690; Nov. 10.
Cabinet for sound-producing devices. J. Wolff. Des. 68,749; Nov. 10.
Calculating machines, Keyboard-clearing means for. E. E. Phinney. Re16,207; Nov. 10.
Calculator. C. W. Art. 1,560,963; Nov. 10.
Calculator, Vector. M. P. Weinbach. 1,560,747; Nov. 10.
Calves by cauterization, Instrument for dishorning. F. M. Bula. 1,560,971; Nov. 10.
Cameras, Spool holder for. C. F. Speidel. 1,560,615; Nov. 10.
Can: *See*—
Shipping can. Tobacco can.
Candy, Machine for forming. F. E. Zaiss. 1,561,202; Nov. 10.
Candy-mixing machine. P. Nicholas. 1,561,350; Nov. 10.
Cap. Adjustable. I. K. Trau. 1,560,952; Nov. 10.
Cap lock, Cover- H. J. Ernst. 1,561,422; Nov. 10.
Cap or closure, Metal. C. Hammer. 1,560,569; Nov. 10.
Capacity compensating device. J. H. Hammond, jr. 1,561,228; Nov. 10.
Car-door lock. W. E. Wine. 1,561,388; Nov. 10.
Car dump. V. T. Barkley. 1,561,047; Nov. 10.
Car, One-man gasoline safety rail. P. J. Mitten. 1,561,435; Nov. 10.
Cars and trucks, Spring suspensions for Ford. P. D. Chamberlain. 1,560,759; Nov. 10.
Cars, Bumper for motor. W. C. Mase. 1,560,706; Nov. 10.
Cars, Generator mounting for railway. G. E. Hulse. 1,560,577; Nov. 10.
Cars, Grain door for freight. J. A. Schmitz and A. E. Schuyler. 1,561,029; Nov. 10.
Cars, Roller side bearing for. G. A. Woodman. 1,560,751; Nov. 10.
Cars, System for repairing railway. J. J. Tatum. 1,560,878; Nov. 10.
Carbon holder, Magnetic. W. Wenderhold. 1,561,197; Nov. 10.
Carburetor. L. A. Westbo. 1,561,385; Nov. 10.
Carburetor control. M. J. B. Barbarou. 1,560,642; Nov. 10.
Carburetors, Attachment for. W. M. Wilkie and W. Westedt. 1,561,131; Nov. 10.
Card holder and umbrella receptacle. A. E. O'Rourke. 1,561,014; Nov. 10.
Carrier: *See*—
Ingot carrier. Luggage carrier.
Carrousel. J. F. Kline. 1,561,170; Nov. 10.
Carpenters' planes, Manufacture of. G. D. Haines. 1,560,568; Nov. 10.
Cartons, Machine for closing. A. F. Ney. 1,561,103; Nov. 10.
Cartridge for projectiles. H. G. Towner. 1,560,623; Nov. 10.
Case: *See*—
Collapsible case. Vanity case.
Pocket case. Wearing apparel case.
Casket handle. E. R. Sargent and M. J. Kelly. 1,561,027; Nov. 10.
Casting molds, Pouring frame for. W. J. Korten, jr. 1,561,087; Nov. 10.
Castings, Marking. C. T. Forsberg. 1,561,427; Nov. 10.
Catamenial bandage and support. E. C. Whitlock. 1,560,890; Nov. 10.
Ceiling-cleaning apparatus. F. Kunze. 1,561,250; Nov. 10.
Cellulose-acetate composition. S. J. Carroll. 1,560,542; Nov. 10.
Cellulose acetate, Manufacturing. A. F. Sulser. 1,560,620; Nov. 10.
Cellulose-acetate reaction mixtures, Treating. E. S. Farrow, jr. 1,560,554; Nov. 10.
Cement. W. W. Marlett. 1,561,095; Nov. 10.
Cement floors, Construction of reenforced-. R. Rios. 1,561,187; Nov. 10.
Cement plant, Straight-line. J. C. Buckbee. 1,561,213; Nov. 10.
Cement, Process of and apparatus for producing. T. Fujiyama. 1,561,070; Nov. 10.
Centrifugal mold. J. H. Uhrig. 1,560,953; Nov. 10.
Chandelier. H. Aglow. Des. 68,687; Nov. 10.
Chandelier, Electric. A. P. Seidell. Des. 68,741; Nov. 10.
Change-speed transmission. C. L. Anderson. 1,561,045; Nov. 10.
Chain link, Sprocket. H. H. West. 1,560,923; Nov. 10.
Chair. M. Viek. 1,560,920; Nov. 10.
Check. W. J. Fittall. 1,561,069; Nov. 10.
Check protector. J. Evans. 1,561,423; Nov. 10.
Child's table. R. Winship. 1,561,438; Nov. 10.
Chip and chip holder. F. E. Wocel and E. A. Johnson. 1,561,201; Nov. 10.
Chopper: *See*—
Cotton chopper.
Chute. R. Watt. 1,560,888; Nov. 10.
Chute, Retarding. L. H. Simon. 1,561,448; Nov. 10.
Cigarette casing. E. J. Beaupre. 1,560,644; Nov. 10.
Circuit controller, Thermal responsive. J. Eaton. 1,560,932; Nov. 10.
Circuit controlling means. C. A. Nelson. 1,560,602; Nov. 10.
Circuit interpreter. O. H. Eschholz. 1,561,316; Nov. 10.
Circuits, Supervisory. H. F. Shoffstall. 1,560,610; Nov. 10.
Citrous fruits, Prevention of decay of. H. R. Fulton and J. J. Bowman. 1,560,558; Nov. 10.
Clamp: *See*—
Parallel clamp.
Clamp and the like, Hood. W. G. Milligan. 1,561,008; Nov. 10.
Classification plate, Primary. M. J. Wiart. 1,560,627; Nov. 10.
Clay bodies and apparatus used, Producing. G. W. Lapp. 1,561,002; Nov. 10.
Clay product cutting machine. M. Mueller. 1,560,601; Nov. 10.
Cleaner: *See*—
Stable cleaner. Vacuum cleaner.
Cleansing and polishing compound. E. M. Burket. 1,560,659; Nov. 10.
Clothes drier. J. J. Stevenson. 1,561,309; Nov. 10.
Clutch. E. E. Wemp. 1,560,957; Nov. 10.
Clutch for power feed. A. J. Gifford and B. S. T. Bishop. 1,560,776; Nov. 10.
Coal, Apparatus for feeding powdered. W. J. Stoop. 1,560,873; Nov. 10.
Coal, Handling and feeding of pulverized. A. V. Adamson. 1,560,519; Nov. 10.
Coffeepot. W. Topping and A. W. Nelson. 1,560,741; Nov. 10.
Coffeepot or similar article. E. A. Farr. Des. 68,695; Nov. 10.
Coin-controlled mechanism. A. C. Dittrich. 1,560,671; Nov. 10.
Collapsible box. O. L. Charters. 1,561,138; Nov. 10.
Collapsible case. A. H. Wolfe. 1,560,630; Nov. 10.
Collapsible tube. J. Saxe. 1,561,188; Nov. 10.
Collar-attaching means. J. J. Paris. 1,560,846; Nov. 10.
Collar shapers, Electrical heating means for. E. J. Carroll. 1,560,758; Nov. 10.
Combination pan. C. B. Wise. 1,561,132; Nov. 10.
Compressor gland. H. J. Smith. 1,561,364; Nov. 10.
Computing bin. I. S. Karras and D. V. Bridwell. 1,560,824; Nov. 10.
Concrete, Apparatus for laying. R. H. Rook. 1,560,784; Nov. 10.
Concrete pavers, Discharge mechanism for. C. E. Foote. 1,561,144; Nov. 10.
Concrete-pipe joint and forming the same. P. Easterday. 1,560,931; Nov. 10.
Concrete-reenforcing member. J. C. Timm. 1,561,126; Nov. 10.
Condenser, Variable. L. Cohen. 1,560,761; Nov. 10.
Condiment holder. E. R. Peterson. 1,561,010; Nov. 10.
Container. G. Walters. 1,561,382; Nov. 10.
Control apparatus. H. H. Johnston. 1,561,240; Nov. 10.
Control system. H. L. Blood. 1,560,652; Nov. 10.
Control system. E. S. Lammers, jr. 1,561,251; Nov. 10.
Confection and making the same, Frozen. W. L. Nettleship. 1,560,842; Nov. 10.
Confections and the like, Apparatus for packing. A. L. Bausman. 1,561,301; Nov. 10.
Conveyer. N. A. Newdick. 1,560,716; Nov. 10.
Conveyer system, Automatic control for roller. A. S. Langsdorf. 1,560,830; Nov. 10.
Conveyers, Regulating means for. W. T. Hanna. 1,560,987; Nov. 10.
Cooker. A. M. Smith. 1,561,363; Nov. 10.
Cooling machine. A. H. Antz. 1,560,640; Nov. 10.
Cooling system. C. Duryea. 1,560,901; Nov. 10.
Cooling system. L. C. Josephs, jr., and L. H. Cutten. 1,560,694; Nov. 10.
Copper from the matte, Extraction of. A. H. Henderson. 1,560,574; Nov. 10.
Cordage structure. F. Biesenberg. 1,561,357; Nov. 10.
Core samples in rotary drilling, Device for taking. H. H. Hair and C. E. Sutton. 1,560,781; Nov. 10.
Corn, Machine for debutting. R. Cover. 1,560,977; Nov. 10.
Corn, Machine for debutting. W. H. Leister. 1,561,092; Nov. 10.
Corset. K. E. Cunningham. 1,560,545; Nov. 10.
Cotter pin and washer, Combined. M. S. Anderson. 1,560,638; Nov. 10.
Cotton chopper. W. M. Barnes. 1,561,396; Nov. 10.
Coupling: *See*—
Flexible coupling.
Coupon distributor, Ball-. E. E. Clays. 1,560,974; Nov. 10.
Crayons, Forming dustless. J. A. Hauff. 1,561,075; Nov. 10.
Crest voltmeter. J. Slepian. 1,561,362; Nov. 10.
Cribs, Constructing concrete. J. H. Tromanhauser. 1,560,880; Nov. 10.
Culvert mold, Concrete-. T. De La Mare. 1,560,811; Nov. 10.
Cup. T. B. Anderson. Des. 68,688; Nov. 10.
Cupboard construction, Metal. P. M. Wege. 1,560,922; Nov. 10.
Curler, Hair. J. M. Lozano. 1,560,590; Nov. 10.

Current signaling system, Carrier-. E. V. Griggs. 1,561,227; Nov. 10.
Cushion: *See*—
Spring cushion.
Cut-out, Automatic. E. Meierjohan. 1,560,597; Nov. 10.
Cylinder and Kelly presses, Slitter and perforator for. J. A. Davidson. 1,560,546; Nov. 10.
Deaerating apparatus. B. Broido. 1,560,754; Nov. 10.
Decorated surface and producing same. G. L. Guénot and G. Maurice. 1,561,324; Nov. 10.
Dental device. J. Eliard. 1,560,904; Nov. 10.
Dental impressions, Making. A. H. Brown. 1,561,052; Nov. 10.
Depositor. A. L. Bausman. 1,561,302; Nov. 10.
Derrick. W. S. Estes. 1,560,905; Nov. 10.
Desk structure. J. Vaaler. 1,561,288; Nov. 10.
Dial, Vernier. M. Singer. 1,560,613; Nov. 10.
Diatomaceous earth from waste material, Recovering. E. C. Williams. 1,561,042; Nov. 10.
Die casting. S. C. Hoey. 1,561,233; Nov. 10.
Die casting, Method and apparatus for. M. Stern. 1,561,287; Nov. 10.
Die rolling. W. P. Witherow. 1,560,749; Nov. 10.
Differential. E. O. Doak. 1,560,672; Nov. 10.
Digger: *See*—
Potato digger.
Direction indicator. A. Lazzari. 1,561,253; Nov. 10.
Disk brake, Multiple-. A. Descarries. 1,561,413; Nov. 10.
Disks, Manufacture of rolled metal. F. Milliken. 1,561,346; Nov. 10.
Display bench or similar article. G. R. Waaler. Des. 68,747; Nov. 10.
Display case, Freezer. J. J. Murphy. Des. 68,728; Nov. 10.
Display cases, Cover plate for. C. E. Wicke. 1,561,290; Nov. 10.
Display hanger, Fowl-. J. W. Platt and A. E. Kramer. 1,561,109; Nov. 10.
Display rack. M. S. Keller. Des. 68,718; Nov. 10.
Display stand or similar article. G. R. Waaler. Des. 68,746; Nov. 10.
Distillation, Apparatus for. W. M. Fraser. 1,561,428; Nov. 10.
Distributing method and system, Single-phase. C. L. Fortescue. 1,561,319; Nov. 10.
Doll or similar article. M. Goodman. Des. 68,700; Nov. 10.
Door check and closer. A. J. Bush. 1,560,757; Nov. 10.
Door closer. E. Bommer. 1,561,209; Nov. 10.
Door holder. J. F. Golding. 1,560,562; Nov. 10.
Door lock. A. C. Moore. 1,560,914; Nov. 10.
Door, Metal. A. S. Barrowa. 1,560,526; Nov. 10.
Door pull handle. E. G. Simpson. 1,560,946; Nov. 10;
Doorstop. F. Yost. 1,560,960; Nov. 10.
Dough-dividing machine. W. A. H. Mohr. 1,560,711; Nov. 10.
Draft-regulating device. J. W. Craig. 1,561,311; Nov. 10.
Drapery stretching and cutting device. A. W. Botcher. 1,561,403; Nov. 10.
Dredge buckets and the like, Grinding. W. S. Morgan. 1,561,181; Nov. 10.
Drier: *See*—
Clothes drier.
Driers, Air-treating apparatus for. W. F. Thiele. 1,560,950; Nov. 10.
Drill: *See*—
Rock drill.
Drill head. A. E. Williams. Re16,210; Nov. 10.
Drill jar. E. J. Dunigan. 1,561,419; Nov. 10.
Drink mixer. S. J. Jembrzycki. 1,560,693; Nov. 10.
Drinking fountain, Poultry. C. W. Randall. 1,560,729; Nov. 10.
Driving mechanism. E. H. Sherbondy. 1,560,609; Nov. 10.
Dry-cell battery. J. Harris. 1,560,798; Nov. 10.
Drying apparatus. A. E. Jonsson. 1,561,166; Nov. 10.
Drying material. B. R. Andrews and S. P. Lovell. 1,560,589; Nov. 10.
Dump cart, Three-wheel. A. H. Carlson. 1,560,972; Nov. 10.
Ear-ornament support and forming same. A. E. Waller. 1,561,128; Nov. 10.
Echo suppressors, Testing circuits for. G. Crisson. 1,560,543–4; Nov. 10.
Educational device. S. Cody. 1,561,447; Nov. 10.
Educational device. F. D. Jones. 1,560,994; Nov. 10.
Electric-circuit protector. H. E. White. 1,561,386; Nov. 10.
Electric-current protective apparatus, Alternating-. A. S. Fitzgerald. 1,560,934; Nov. 10.
Electric furnace, Induction. R. L. Chartier. 1,561,408; Nov. 10.
Electric heater. F. G. Niece. 1,560,603; Nov. 10.
Electric heater. J. A. Spencer. 1,561,437; Nov. 10.
Electric motor. G. B. Coleman. 1,560,762; Nov. 10.
Electric motor, Alternating-current. W. E. M. Ayres. 1,561,297; Nov. 10.
Electric switch. G. A. Burnham. 1,560,534; Nov. 10.
Electric switch. C. T. Evans. 1,560,553; Nov. 10.
Electric switch. A. Volland. 1,560,883; Nov. 10.
Electrical device. C. L. Fortescue. 1,561,145; Nov. 10.
Electrical interference, Preventing. S. I. Corv 1,560,540; Nov. 10.
Electrical measuring device. C. L. Fortescue. 1,561,147; Nov. 10.
Electron-discharge device. W. G. Houskeeper. 1,560,690–2; Nov. 10.
Electron-discharge device. P. Schwerin. 1,560,737; Nov. 10.
Electron-discharge device. J. L. Stelling. 1,560,740; Nov. 10.
Electrostatic phase converter, Balanced. C. L. Fortescue. 1,561,146; Nov. 10.
Electrowelding grip. R. J. Callahan. 1,561,055; Nov. 10.
Elevator: *See*—
Tray elevator.
Elevator-control system. R. P. Higbee. 1,561,232; Nov. 10.
Elevator doors, Lock for. C. W. Peelle. 1,561,018; Nov. 10.
Embossing machine. H. E. Lichtenstein. 1,561,176; Nov. 10.
Engine: *See*—
Internal-combustion engine. Portable engine.
Logging engine.
Engine-control means. M. P. Chaplin. 1,560,760; Nov. 10.
Engine-cooling system. J. V. Giesler. 1,561,153; Nov. 10.
Engine support. E. H. Belden. 1,561,205; Nov. 10.
Engines, Connecting-rod adapter for internal-combustion. C. E. Miller. 1,561,269; Nov. 10.
Engines, Exhaust muffler for internal-combustion. D. M. Skelton. 1,560,947; Nov. 10.
Engines, Fuel injection and mixing means for internal-combustion. E. A. Ford. 1,560,556; Nov. 10.
Engines, Piston for internal-combustion. C. G. Pryts. 1,561,356; Nov. 10.
Engines, Speed reducer and reverse gear for internal-combustion. G. Fornaca. 1,560,982; Nov. 10.
Engraving machine. A. A. Bush. 1,561,214; Nov. 10.
Excavating and scraping machine. M. Collins. 1,560,975; Nov. 10.
Excavating bucket. F. T. Crowe. 1,560,895; Nov. 10.
Exerciser, Massage. W. Duncan. 1,560,549; Nov. 10.
Exhaust box. A. I. Addison. 1,560,520; Nov. 10.
Expansible collapsible element. L. W. Eggleston. 1,561,065; Nov. 10.
Extractor: *See*—
Automobile extractor.
Eyeglasses. A. C. Noble. 1,560,717; Nov. 10.
Eyeleting machine. J. W. Goddard. 1,560,561; Nov. 10.
Fan, Electric. S. A. Xippas. 1,560,961; Nov. 10.
Fan, Exhaust. H. W. Asire. 1,561,046; Nov. 10.
Faucet for soda fountains. W. Moriok. 1,561,271; Nov. 10.
Feed collet or pusher. E. H. Wheeler. 1,561,040; Nov. 10.
Feed mill. L. B. McCargar. 1,561,093; Nov. 10.
Feeder, Poultry. V. O. Banks. 1,561,299; Nov. 10.
Fender. J. H. Sager. 1,560,943; Nov. 10.
Fender for motor vehicles, Mud-guard. J. H. Sager. 1,560,944; Nov. 10.
Filler necks and the like, Closure cap and lock for. M. H. Brede. 1,560,654; Nov. 10.
Filling device. E. H. Wiseman. 1,561,200; Nov. 10.
Filling machine, Air exhaust for. C. T. Small. 1,561,032; Nov. 10.
Film-dyeing apparatus. J. G. Capstaff. 1,560,541; Nov. 10.
Filter, Air. A. Jordahl. 1,560,790; Nov. 10.
Firearm. C. A. Nelson. 1,561,011; Nov. 10.
Fish lure. M. F. Kirwan. Des. 68,719; Nov. 10.
Fishing-line reel. A. A. Unruh. 1,560,919; Nov. 10.
Flexible coupling. H. J. Smith. 1,561,119; Nov. 10.
Flexible coupling. C. W. Spicer and G. L. Tarbox. 1,561,192; Nov. 10.
Floor surfacers, Attachment for. W. S. Bull. 1,560,658; Nov. 10.
Fluid heater. C. C. Pankrats. 1,561,276; Nov. 10.
Fluid-pressure apparatus. Rotary. B. M. Fine. 1,561,068; Nov. 10.
Flux, Galvanizing. U. T. P. Emura. 1,560,933; Nov. 10.
Flying machine. C. Dornier. 1,560,899; Nov. 10.
Flying machine. I. I. Sikorsky. 1,560,869; Nov. 10.
Football. F. A. Buechner. 1,560,657; Nov. 10.
Footwear. A. A. Glidden and F. D. Bean. 1,560,430; Nov. 10.
Fountain: *See*—
Drinking fountain.
Frame: *See*—
Vehicle frame.
Fruits and vegetables, Preservation of fresh. H. R. Fulton and J. J. Bowman. 1,560,559; Nov. 10.
Fuel briquettes, Manufacture of. T. A. Goskar. 1,561,322; Nov. 10.
Fuel-feeding apparatus. J. A. Malone. 1,561,094. Nov. 10.
Fuels, Retort for the carbonization of solid. A. L. J. Queneau. 1,560,855; Nov. 10.
Furnace: *See*—
Electric furnace. Mechanical furnace.
Heating furnace. Melting furnace.
Furnace roofs, Apparatus for repairing. J. M. Andrew and R. T. Hadley. 1,561,296; Nov. 10.
Furnaces, Igniting device for. A. M. Allen. 1,560,633; Nov. 10.





Furnaces, Piping system for hot-air. J. Subert. 1,560,875; Nov. 10.
Fuse. W. O. Snelling. 1,561,366; Nov. 10.
Fuses, Attachable indicator for. J. B. Glowacki. 1,560,777; Nov. 10.
Game. T. G. Erickson. 1,561,421; Nov. 10.
Game apparatus. H. M. Porter. 1,560,851; Nov. 10.
Game, Educational. A. E. Bernwall. 1,561,402; Nov. 10.
Game, Puzzle. B. von Bültsingslöwen. 1,560,921; Nov. 10.
Games, Recorder for card. E. C. Styberg. Des. 68,744; Nov. 10.
Garment press. C. E. Waream. 1,560,886; Nov. 10.
Garments, Tee holder for. R. E. Ladue. 1,561,088; Nov. 10.
Gas-analyzing method and apparatus. J. R. Cain. 1,560,660; Nov. 10.
Gas heating stove. C. L. Taylor. 1,561,375; Nov. 10.
Gaseous-liquid contact apparatus. P. M. Kuehn. 1,561,000; Nov. 10.
Gasoline systems, Purifier for. O. H. Justus. Re16,209; Nov. 10.
Gate: *See*—
Railway gate.
Gauge: *See*—
Railway-track gauge.
Gauges, Method and device for examining end. W. Kösters. 1,561,178; Nov. 10.
Gear, Composite. L. T. Frederick. 1,561,222; Nov. 10.
Gear, Reversing. R. Gerber. 1,561,150; Nov. 10.
Gears or the like, Heat treatment of. J. W. White. 1,561,041; Nov. 10.
Generator set, Motor-. N. W. Storer and R. E. Ferris. 1,561,370; Nov. 10.
Gimp, Making. H. J. Haon. 1,561,229; Nov. 10.
Glassware and making the same, Ornamental. J. Bass. 1,561,397; Nov. 10.
Glassware, Manufacture of. D. C. Hamilton. 1,560,784; Nov. 10.
Glare eliminator. L. Dresner. 1,561,415; Nov. 10.
Glare screen. J. A. Wright. 1,561,391; Nov. 10.
Golf accessory. W. A. F. Maccallum. 1,560,940; Nov. 10.
Golf club. C. B. Murphy and J. T. Swann. 1,561,349; Nov. 10.
Golf game. E. R. McGrann. 1,561,178; Nov. 10.
Grate for gutters, Crossing. L. Smith. 1,561,120; Nov. 10.
Grater. M. Bembina. 1,561,401; Nov. 10.
Grater, Nutmeg. N. H. Paxson. 1,560,848; Nov 10
Grease container. A. C. Fisher. 1,560,681; Nov. 10.
Grenade. S. Wiley. 1,560,628; Nov. 10.
Grinders, Dressing attachment for vertical-surface. C. Knowles. 1,560,697; Nov. 10.
Grinding mill. J. B. Sedberry. 1,560,865; Nov. 10.
Gripper. C. F. Pym. 1,560,606; Nov. 10.
Gun. J. C. Broyles. 1,560,532; Nov. 10.
Gun. W. J. Molloy. 1,560,840; Nov. 10.
Gun, Air-pump. E. S. Roe. 1,560,733; Nov. 10.
Guns, Combination mount for machine. W. T. Gorton. 1,560,563; Nov. 10.
Guns, Combination mount for machine. W. T. Gorton. 1,560,564; Nov. 10.
Hair, Apparatus for permanent waving and curling hair. B. Blum, A. Cole, and E. Coulson. 1,560,894; Nov. 10.
Handwheel. H. D. Geyer. Des. 68,698; Nov. 10.
Handle: *See*—
Casket handle.
Hanger: *See*—
Display hanger.
Hanging seat, Collapsible. L. Reimer. 1,561,025; Nov. 10.
Harmonica. H. Katz. Des. 68,717; Nov. 10.
Harmonica. H. Katz. Des. 68,751; Nov. 10.
Hat lining. D. Koch. 1,561,172; Nov. 10.
Head tool, Renewable. J. G. Salazar. 1,560,736; Nov. 10.
Headlamp, Automobile. M. A. Flautt. 1,560,907; Nov. 10.
Headlight. O. R. Hocks. 1,561,078; Nov. 10.
Headlight. C. H. Muckenhirn. 1,561,010; Nov. 10.
Headlight. R. L. Smothers. 1,560,948; Nov. 10.
Headlight attachment. H. F. Hansen. 1,560,812; Nov. 10.
Headlight, Dirigible. J. M. Dorton. 1,560,548; Nov. 10.
Headlight housing, Vehicle. W. D. Ryan. Des. 68,735–7; Nov. 10.
Headlight lens. J. M. Dunlea. 1,560,793; Nov. 10.
Headlights, Deflector for. M. R. Smith. Des. 68,743; Nov. 10.
Headlights, Deflector for automobile. J. Droll. 1,561,417; Nov. 10.
Heat plant and operating the same, Waste-. J. E. Bell. 1,560,648; Nov. 10.
Heater: *See*—
Electric heater. Intake-manifold heater.
Fluid heater. Water heater.
Heating and circulating system, Water. W. S. Elliott. 1,560,679; Nov. 10.
Heating attachment. I. Gardner. 1,560,560; Nov. 10.
Heating furnace. B. M. Schauman. 1,560,805; Nov. 10.
Heating furnace, Air or other gaseous fluid. A. C. Ionides, jr. 1,561,161; Nov. 10.
Heating means. G. Wade. 1,561,038; Nov. 10.
Heating system, Hot-water. F. G. Baum. 1,560,528; Nov. 10.
Heating systems, Control for. A. D. Keene. 1,561,243; Nov. 10.
Heddle-spacer-inserting machine. F. E. Bearden. Re16,206; Nov. 10.
Heel, Rubber. W. J. Kent. 1,560,583; Nov. 10.
Heel, Rubber. E. McCoy. Des. 68,725; Nov. 10.
Heel-shaping machine. W. H. Hall. 1,560,782; Nov. 10.
Heel tread for shoes, Detachable. R. A. Wade. 1,561,381; Nov. 10.
Helicopter. G. Exel. 1,561,424; Nov. 10.
High-frequency waves, Signaling by. H. J. Vennes. 1,561,289; Nov. 10.
Hob-grinding machine. J. Edgar. 1,561,064; Nov. 10.
Hoist. E. J. Armstrong. 1,560,522; Nov. 10.
Hoist. C. C. Hanson. 1,561,072; Nov. 10.
Hoist, Chain. A. A. Quick. 1,561,021; Nov. 10.
Hoist, Double-drum. E. B. Lear. 1,561,091; Nov. 10.
Hoisting and conveying device. J. H. Dickinson. 1,561,061; Nov. 10.
Hoisting apparatus. W. F. Geoghegan. 1,561,226; Nov. 10.
Hook: *See*—
Safety hook.
Horse collar and hame. G. Schreiner. 1,561,360; Nov. 10.
Hose holder. L. H. Johnson and H. E. Rupp. 1,560,789; Nov. 10.
Hurdle. W. F. Reach. 1,561,186; Nov. 10.
Hydrant. H. O. Joynt. 1,561,167; Nov. 10.
Hydrocarbon burner. W. H. Dunkerley. 1,560,550; Nov. 10.
Hydrocarbon distillation. H. G. W. Kittredge. 1,561,169; Nov. 10.
Ice box. L. M. Bowlus. 1,560,966–7; Nov. 10.
Ice, Scoring. R. H. Roark. 1,561,112–3; Nov. 10.
Identification device or disc to be attached to hand bags or other goods of leather or like material. W. E. F. Fitzgerald and T. Bottom. 1,560,682; Nov. 10.
Impact amalgamator. W. W. Gibson. 1,561,152; Nov. 10.
Impact-testing apparatus. G. H. Gilman. 1,560,685; Nov. 10.
Impact-testing apparatus. G. H. Gilman. 1,561,154; Nov. 10.
Impulse transmitter. J. J. Ruddick. 1,561,115; Nov. 10.
Incubators, Egg turner for W. H. Walter. 1,560,746; Nov. 10.
Incubators, Heating device for. W. Eshelman. 1,561,317; Nov. 10.
Index book or device, Portable. J. H. Rand, jr. 1,560,856; Nov. 10.
Indexing system. F. D. Powell. 1,560,853; Nov. 10.
Indicator: *See*—
Direction indicator.
Ingot carrier. J. T. Lund. 1,560,938; Nov. 10.
Insect shield for animals. J. Y. Foley. 1,560,683; Nov. 10.
Insect trap. A. H. Knipker. 1,561,171; Nov. 10.
Intake-manifold heater. E. M. McDermott. 1,561,259; Nov. 10.
Intermittent movement. F. E. Garbutt and R. G. Fear. 1,560,908; Nov. 10.
Internal-combustion engine. H. O. Ewing. 1,561,442; Nov. 10.
Internal-combustion engine. A. M. Wolf. 1,560,927; Nov. 10.
Internal-combustion engine, Two-cycle. G. Lawson and R. C. Lent, jr. 1,561,333; Nov. 10.
Iron: *See*—
Soldering iron.
Ironing board, Cabinet. C. D. Agee. 1,560,962; Nov. 10.
Ironing machine, Portable. M. Hedglon. 1,560,989–90; Nov. 10.
Jack: *See*—
Telephone jack. Vehicle jack.
Jar: *See*—
Drill jar.
Jar and ball therefor. R. P. White. 1,561,198; Nov. 10.
Joint: *See*—
Pipe joint. Roadway joint.
Rail joint.
Journal bearing and housing. E. Heitman and J. F. Trudeau. 1,561,076; Nov. 10.
Journal box. G. A. Woodman. 1,560,752; Nov. 10.
Key lock, Changeable-combination. E. M. Benham. 1,561,207; Nov. 10.
Kitchen utensil. R. G. Woods. 1,560,929; Nov. 10.
Knees, etc., Protective device for. L. Keltička. 1,560,825; Nov. 10.
Knitting machines, Jacquard-controlled yarn carrier for. A. Hunsiker and S. Hirsch. 1,561,237; Nov. 10.
Ladder. C. W. Crump. 1,560,978; Nov. 10.
Lamp base. J. Mandel. Des. 68,723; Nov. 10.
Lamp, Incandescent. J. S. Van Horne. 1,560,882; Nov. 10.
Lamp shade. G. A. Lippincott. Des. 68,721; Nov. 10.
Lamps, Manufacture of incandescent. A. De Graaff and D. Lely, jr. 1,560,981; Nov. 10.
Last. E. S. Spinney. 1,561,121; Nov. 10.
Latch. L. A. Dexter. 1,560,898; Nov. 10.

Latch and hinge, Combined. J. S. Cole. 1,560,537; Nov. 10.
Latch, Door. L. A. Dexter. 1,560,897; Nov. 10.
Latch, Door. C. T. Weymann. 1,561,129; Nov. 10.
Lath, Building. J. A. Waller. 1,561,186; Nov. 10.
Lather, Machine for making and dispensing. F. Ackermann, M. Langhaus, and H. Gould. 1,561,439; Nov. 10.
Leg-locking device. E. S. Johnson. 1,560,913; Nov. 10.
Leg-locking structure. E. S. Johnson. 1,560,912; Nov. 10.
Lens-grinding machine. H. K. Parsons. 1,561,107; Nov. 10.
Lens, Light-projecting. H. L. Gage. 1,561,149; Nov. 10.
License plates, Frame for. F. D. Elliott. 1,561,420; Nov. 10.
Life-saving suit and support therefor. P. Levesque. 1,560,833; Nov. 10.
Light construction, Berth-. E. S. M. Macnab. 1,560,835; Nov. 10.
Lighting fixture. L. C. Doane. 1,560,547; Nov. 10.
Lighting fixtures, Bracket back for. M. Jonick. Des. 68,716; Nov. 10.
Lightning arrester, Spark-gap. S. B. Kraut. 1,561,249; Nov. 10.
Linoleum or similar article. C. F. Humphreys. Des. 68,702–3; Nov. 10.
Linoleum or similar floor covering. C. F. Humphreys. Des. 68,704–11; Nov. 10.
Linoleum or similar floor covering. H. S. Humphreys. Des. 69,712–13; Nov. 10.
Linotypes and intertypes, Safety attachment for. H. T. Sundstrom. 1,561,372; Nov. 10.
Liquid absorption by fabrics or the like, Apparatus for testing the rate of. F. A. Sesler. 1,561,285; Nov. 10.
Liquid-level-maintaining device. J. Hurst. 1,561,159; Nov. 10.
Liquids, Apparatus for measuring and dispensing. R. Crowder. 1,560,667; Nov. 10.
Liquids with carbon dioxide gas, Apparatus for charging. G. F. Sugden. 1,561,036; Nov. 10.
Loader, Manure. W. Otto. 1,561,105; Nov. 10.
Lock: *See*—
Cap lock. Mortise lock.
Car-door lock. Nut lock.
Door lock. Safety lock.
Key lock. Valve lock.
Master-keyed lock.
Lock. E. N. Jacobi. 1,560,821; Nov. 10.
Lock. L. Marra. 1,560,596; Nov. 10.
Lock. L. B. Shinn. 1,560,868; Nov. 10.
Locking mechanism, Door- J. E. Bales. 1,560,641; Nov. 10.
Locks, Mounting means for. C. Ledin. 1,561,254; Nov. 10.
Locomotive-fire-box structure. L. Parish. 1,560,604; Nov. 10.
Logging engine. S. B. Gorbutt. 1,560,984; Nov. 10.
Loom for weaving pile fabrics. R. L. Sandeman. 1,561,282; Nov. 10.
Looms, Feeler mechanism for. J. C. Brooks. 1,561,440; Nov. 10.
Looms, Warp stop mechanism for. M. L. Stone. 1,560,809; Nov. 10.
Looms, Yarn tube for. J. H. Johnson. 1,561,483; Nov. 10.
Loud speaker. D. A. Whitson. 1,560,925; Nov. 10.
Lubricating compound and its manufacture. A. G. Marshall. 1,561,261; Nov. 10.
Lubricating device, Vacuum-feed. P. O. Brown. 1,561,308; Nov. 10.
Lug closure, Band-. C. Hammer. 1,560,986; Nov. 10.
Luggage carrier. S. M. Stahl. 1,561,122; Nov. 10.
Machine tool. H. L. Blood, R. H. Rausch, C. W. Jensen, and H. Little. 1,560,653; Nov. 10.
Magneto. J. L. Milton. 1,560,839; Nov. 10.
Manifolding machine. A. W. Metzner. 1,560,709; Nov. 10.
Manipulator. F. C. Biggert, jr., and L. Johnson. 1,560,650; Nov. 10.
Mantle nuts, Locking device for. W. S. Weston. 1,560,924; Nov. 10.
Marcel waver. B. F. Stewart. 1,561,124; Nov. 10.
Marine torch, Self-igniting. H. Them. 1,561,125; Nov. 10.
Master-keyed lock. J. A. Fremon. 1,561,223; Nov. 10.
Measuring time. J. R. Fry. 1,561,225; Nov. 10.
Mechanical furnace. O. H. Buse. 1,561,054; Nov. 10.
Melting furnace. W. A. Yung. 1,561,393; Nov. 10.
Mercury-vapor device. J. Force. 1,560,936; Nov. 10.
Metal-finishing machine. D. C. Woodward. 1,561,133; Nov. 10.
Metal sheets and the like, Automatic feeding of. R. Stübgen. 1,560,918; Nov. 10.
Metal sheets, Shearing machine for. L. C. Steele. 1,560,808; Nov. 10.
Metallic composition. E. F. Kingsbury. 1,561,247; Nov. 10.
Metals, Method of and composition for cleaning. B. K. Brown. 1,561,053; Nov. 10.
Meter: *See*—
Crest voltmeter. Rod meter.
Meter and the like, Flow. L. W. Thompson and J. W. McNairy. 1,560,951; Nov. 10.
Meter-box covers, Lock for. C. J. Armstrong. 1,561,449; Nov. 10.
Meters, Mechanism of gas. L. Millet. 1,561,099; Nov. 10.
Microphone button. W. H. Barber. 1,560,643; Nov. 10.
Milking machines, Pulsator for. S. Millar. 1,561,344; Nov. 10.
Mill: *See*—
Feed mill. Reversible mill.
Grinding mill.
Mills, Feeding and distributing apparatus for roller. A. Hoberecut. 1,560,800; Nov. 10.
Mine-releasing device. H. J. Leible. 1,561,334; Nov. 10.
Mines, Safety brake for. R. L. Mugford. 1,561,348; Nov. 10.
Mixer: *See*—
Drink mixer.
Moccasin. D. B. Abbott. 1,560,631–2; Nov. 10.
Mold: *See*—
Centrifugal mold. Paper cylinder mold.
Culvert mold.
Mold ejector device. H. Rau and C. E. Chapple. 1,561,281; Nov. 10.
Molded articles, Making. F. M. Furber. 1,560,795; Nov. 10.
Molding apparatus. L. Livemont. 1,561,257; Nov. 10.
Molding, Process of and apparatus for. A. J. Bastian. 1,561,300; Nov. 10.
Molds, Coating for metal. D. H. Meloche. 1,560,838; Nov. 10.
Mop, Reservoir. L. H. Nearn. 1,560,841; Nov. 10.
Mortise lock. S. Segal. 1,561,283; Nov. 10.
Motor: *See*—
Electric motor.
Motor brake. A. Dewandre. 1,560,896; Nov. 10.
Motor switch, Electric starting-. H. L. Joyce. 1,560,580; Nov. 10.
Motors, Controller for electric. N. L. Mortensen. 1,560,600; Nov. 10.
Motors, Starting alternating-current. W. E. Paul. 1,561,017; Nov. 10.
Mowing machine. W. Castanie. 1,560,663; Nov. 10.
Mud shoe. H. L. Van Brunt. 1,561,380; Nov. 10.
Music cabinet, Sheet-. O. W. Charring. 1,561,151; Nov. 10.
Musical instruments, Key manual for electric. B. E. Mills. 1,561,100; Nov. 10.
Nail. F. Oldfield. 1,561,104; Nov. 10.
Neutral device. C. F. Marston. 1,561,340; Nov. 10.
Nitrocellulose powder grains, Coating for. T. L. Davis. 1,561,219; Nov. 10.
Nozzle and measuring valve, Combined outlet. W. and R. B. Holt. 1,560,089; Nov. 10.
Nut lock. R. G. Stallard. 1,560,616; Nov. 10.
Oil burner. A. E. Grant. 1,560,566; Nov. 10.
Oil burner. R. E. Lauck. 1,560,831; Nov. 10.
Oil burner. J. C. Quinn. 1,561,185; Nov. 10.
Oil burner. J. C. Reynolds. 1,560,731; Nov. 10.
Oil burners, Air-controlling member for. L. S. Chadwick. 1,561,215; Nov. 10.
Oil-burning system and apparatus. C. F. Pearson. 1,560,849; Nov. 10.
Oil-delivery system, Hydraulic. F. G. Farr. 1,561,066; Nov. 10.
Oil, Method and apparatus for storing. E. Mallery. 1,561,260; Nov. 10.
Oil retainer. W. L. and G. H. Trautner. 1,561,378; Nov. 10.
Oils, Cracking still for mineral. W. L. Bagwill. 1,560,891; Nov. 10.
Optical pyrometer or similar instrument. F. H. Schofield. 1,560,864; Nov. 10.
Ornamental surface and forming the same. H. C. Miller. 1,560,941; Nov. 10.
Oscillator, Electric. I. Langmuir. 1,561,001; Nov. 10.
Oven, Continuous-conveyer bake. J. C. Woodson. 1,561,390; Nov. 10.
Oven-rack-handling device. W. Parke. 1,560,847; Nov. 10.
Oven, Reflex. G. Wollers. 1,561,389; Nov. 10.
Overseaming machine. J. J. Heap. 1,560,988; Nov. 10.
Oxygen container, Liquid-. C. Mott and W. H. Marshall. 1,561,101; Nov. 10.
Packing container. A. Mauser. 1,561,097; Nov. 10.
Packing ring. E. D. Corke. 1,561,310; Nov. 10.
Padding, Forming. R. O. Waldman. 1,560,744; Nov. 10.
Palette. M. S. Mastrukoff. 1,560,837; Nov. 10.
Pan: *See*—
Combination pan.
Paper and cardboard blanks and sheets in imitation of handmade paper and cardboard blanks and sheets, Production of. C. Rivage. 1,560,861; Nov. 10.
Paper, Cover. W. S. Fowler. Des. 68,696; Nov. 10.
Paper, Cover. R. L. Marwede. Des. 68,725; Nov. 10.
Paper-cylinder mold. J. R. Sinclair. 1,561,117; Nov. 10.
Paper-hanging device. J. Coyle. 1,560,765; Nov. 10.
Paper pulp, Making. B. T. McBain, J. E. Alexander, and G. Genberg. 1,560,591; Nov. 10.
Paper stock, Refining. L. W. Van Buskirk. 1,560,743; Nov. 10.
Parallel clamp. L. W. Schleicher. 1,561,359; Nov. 10.
Pattern and pattern set. M. Hernberg. 1,560,688; Nov. 10.
Pattern-printing machine. H. H. Meyer. 1,560,710; Nov. 10.





Pen and pencil holder. W. W. Walters. 1,560,955; Nov. 10.
Phonograph. E. F. Driver. 1,560,674; Nov. 10.
Phonograph cabinet or similar article. H. L. Bradley. Des. 68,691; Nov. 10.
Phonograph, Recording. R. Hase. 1,560,686; Nov. 10.
Photographic-printing device. T. C. Willson. 1,560,959; Nov. 10.
Photography, Color. W. V. D. Kelley and D. Tronolone. 1,561,168; Nov. 10.
Phototelegraphic transmitting plate. M. Ferree and J. Wissmar. 1,561,067; Nov. 10.
Piano, Automatic player. R. I. Wilcox. 1,561,199; Nov. 10.
Piano player, Pneumatic. J. Wearham. 1,560,889; Nov. 10.
Picture apparatus, Motion-. R. P. De Vault. 1,561,060; Nov. 10.
Picture films, Apparatus for splicing motion-. R. H. Klaffki. 1,560,584; Nov. 10.
Picture-projection machines, Fire-preventing device for motion-. G. J. Schaffer. 1,560,916; Nov. 10.
Pictures, Screen for motion. S. Bardy. 1,560,964; Nov. 10.
Pin: *See*—
Rolling pin.
Pipe connection. Flexible metallic. E. A. Russell. 1,560,735; Nov. 10.
Pipe joint. R. W. Spencer. 1,561,033; Nov. 10.
Pipes, Device for cleaning smoking. F. Eiche. 1,560,903; Nov. 10.
Piston. W. E. John. 1,561,081; Nov. 10.
Piston. C. R. Short. 1,561,030; Nov. 10.
Piston and piston ring. W. G. Unger. 1,561,379; Nov. 10.
Piston packing. W. M. Houldsworth. 1,560,818; Nov. 10.
Piston rings, Pattern or ring forming for. C. E. Johnson. 1,561,446; Nov. 10.
Piston rings, Producing. J. F. McGlenn. 1,561,336; Nov. 10.
Piston rings, Rolling machine for. A. W. Almquist. 1,561,294; Nov. 10.
Plane. J. Caisse. 1,561,406; Nov. 10.
Planer rails, Clamping mechanism for. C. Knowles. 1,560,696; Nov. 10.
Plastering machine. G. J. Conrad. 1,560,666; Nov. 10.
Plate or similar article, China. E. A. De Lan. Des. 68,692; Nov. 10.
Pliers. O. H. Jung. 1,561,082; Nov. 10.
Plow. P. B. Hackley. 1,561,325; Nov. 10.
Plow hitch and tractor guide. Combination antiside draft. H. Hansmann and H. Strack. 1,560,797; Nov. 10.
Plow, Reversible wheele. M. L. Andrews. 1,560,639; Nov. 10.
Plumbing connection. M. J. Smith. 1,561,436; Nov. 10.
Plunger. J. H. Bryant. 1,561,405; Nov. 10.
Plywood, Method and apparatus for making. M. E. Dunlap. 1,561,063; Nov. 10.
Pocket case. I. F. Potter. 1,560,852; Nov. 10.
Pocket implement, Combination. E. A. Martin, née Blackstun. 1,561,262; Nov. 10.
Poles, Reenforcement for. G. B. Spring. 1,561,193; Nov. 10.
Polishing machine. R. Ramstetter and W. J. Britt. Re16,204; Nov. 10.
Portable engine. S. R. W. M. Bager and M. L. Fykse. 1,560,792; Nov. 10.
Pot: *See*—
Coffeepot.
Potato cleaner and sterilizer. R. C. Zuckerman. 1,561,043; Nov. 10.
Potato digger. T. Fox. 1,561,148; Nov. 10.
Power-transmitting chain. W. J. Belcher. 1,560,646–7; Nov. 10.
Preserving wood. J. H. James. 1,561,164; Nov. 10.
Press: *See*—
Garment press. Printing press.
Pressure regulator. J. M. Smith. 1,561,365; Nov. 10.
Printer's bearer strip. J. Kyle. 1,561,174; Nov. 10.
Printing and manifolding machine. J. Q. Sherman. 1,560,866; Nov. 10.
Printing machine. J. G. Collison, W. N. Frank, and H. M. Filbert. 1,560,764; Nov. 10.
Printing press. A. C. Christopherson. 1,560,536; Nov. 10.
Printing presses, Attachment for. W. C. Hammersmith. 1,560,570; Nov. 10.
Printing presses, Perforating and scoring attachment for. M. Tepper. 1,560,622; Nov. 10.
Pulley. E. S. Avery. 1,560,524; Nov. 10.
Pulverizing material, Method of and apparatus for. J. M. Hopwood. 1,561,235; Nov. 10.
Pump. J. H. S. Bonner and M. T. Chamberlin. 1,561,049; Nov. 10.
Pump, Dispensing. W. Morlok. 1,561,182; Nov. 10.
Pump, engine, and the like C. H. Varley. 1,560,624; Nov. 10.
Pump or motor, Parallel crank. W. F. Mayer. 1,561,179; Nov. 10.
Pump or motor, Rotary. G. F. K. Rosen. 1,560,804; Nov. 10.
Pump-rod and casing handling device. F. W. Carlson. 1,560,661; Nov. 10.
Punch and press, Combination. J. S. Walker. 1,560,745; Nov. 10.
Puncture-closing composition. T. E. Law. 1,561,332; Nov. 10.
Push button and making the same. K. Knudsen. 1,560,698; Nov. 10.
Puzzle. C. J. Meehan. 1,561,098; Nov. 10.
Quenching apparatus and process. J. G. Weiss. 1,561,384; Nov. 10.
Radiator. A. H. Hart. Des. 69,701; Nov. 10.
Radiator. D. C. Britton. 1,561,212; Nov. 10.
Radiator, Cooling. W. A. Odendahl. 1,561,043; Nov. 10.
Radiators, Drain plug for. C. Eckert and E. H. Rutledge. 1,560,902; Nov. 10.
Radiocabinet. J. Wolff. Des. 68,748; Nov. 10.
Radiodial. S. Ruttenberg and M. N. Leibowitz. Des. 68,734; Nov. 10.
Radiohorn. H. Gernsback. 1,560,684; Nov. 10.
Radio loud-speaking receiver. P. S. Grierson. 1,560,779; Nov. 10.
Radio receiving apparatus. J. H. Pressley. 1,560,854; Nov. 10.
Radio system. H. W. Nichols. 1,561,273; Nov. 10.
Radio time switch. I. Levenstein. 1,561,005; Nov. 10.
Rail anchor. P. H. Hamilton. 1,560,785; Nov. 10.
Rail joint, Insulated. E. Muehlock. 1,561,347; Nov. 10.
Rail joint. J. E. Steward. 1,561,035; Nov. 10.
Railway crossing signal. H. B. Raynes. 1,561,023; Nov. 10.
Railway gate. W. J. H. Charlton. 1,561,056; Nov. 10.
Railway rails, Device for fastening and leveling. E. Sautreau. 1,561,189; Nov. 10.
Railway tie. O. P. Meaghan. 1,560,767; Nov. 10.
Railway-track gauge. W. G. Travis. 1,561,377; Nov. 10.
Railway workers, Housing unit for. W. B. Stubbs. 1,560,917; Nov. 10.
Receiver headband. E. B. Nowosielski. 1,560,718; Nov. 10.
Receptacle. G. B. Smith. 1,561,444; Nov. 10.
Receptacles, Control device for liquid. L. Jaenichen. 1,560,823; Nov. 10.
Reciprocating machinery, Controlling fluid-operated. W. F. Mayer. 1,560,705; Nov. 10.
Record-O-Phones, Automatic reel-stopping device for. H. P. O'Reilly. 1,560,721; Nov. 10.
Reel: *See*—
Fishing-line reel.
Reel pedestal and control mechanism, Sand-. T. W. Holley. 1,560,816; Nov. 10.
Refrigerating machine. M. I. Nestal. 1,561,012; Nov. 10.
Refrigerator. W. P. Willson. 1,560,629; Nov. 10.
Refrigerator system. H. J. Smith. 1,560,807; Nov. 10.
Regulating system. H. K. Sels and T. Simmons. 1,561,284; Nov. 10.
Regulating system. L. M. Potts. 1,560,724; Nov. 10.
Regulator: *See*—
Pressure regulator. Voltage regulator.
Regulator system. W. E. Menzies. 1,561,268; Nov. 10.
Relay. D. D. Miller. 1,560,803; Nov. 10.
Relay. J. S. Garvin. 1,560,774; Nov. 10.
Release switch, Automatic. W. A. Upright and J. F. Sherrill. 1,560,954; Nov. 10.
Resistors, Making expanded-metal. H. C. Nagel. 1,561,272; Nov. 10.
Retainer. E. S. Delamar. 1,560,668; Nov. 10.
Reversible mill. J. Crites. 1,560,766; Nov. 10.
Rheostat. F. H. Burns. 1,561,137; Nov. 10.
Rim breaker. W. J. Wilkinson and B. A. Hamill. 1,560,958; Nov. 10.
Rim spreader. M. Kohl. 1,561,085; Nov. 10.
Rims, Locking ring for separable. T. D. Bryan. 1,560,756; Nov. 10.
Ring: *See*—
Packing ring.
Ring. A. E. Beauregard. Des. 68,689; Nov. 10.
Riveting tool. H. L. Bishop. 1,561,305; Nov. 10.
Road construction. R. W. Coburn. 1,561,139; Nov. 10.
Roadway joint. B. Briody. Re16,202; Nov. 10.
Rock drill. L. A. Harrison. 1,561,326; Nov. 10.
Rod meter. J. A. Cole. 1,560,664; Nov. 10.
Rolling pin. C. Anderson. 1,561,203; Nov. 10.
Roof. R. R. Richardson. 1,560,608; Nov. 10.
Rotaries, Slip collar for. L. Layton. 1,560,701; Nov. 10.
Rubber, Making variegated. F. T. Roberts. 1,560,862; Nov. 10.
Rule, Slide. C. C. Moler. 1,560,599; Nov. 10.
Safety appliance. J. R. Warner and J. C. Fox. 1,561,383; Nov. 10.
Safety hook, Quick-release. T. F. Madigan. 1,561,337; Nov. 10.
Safety lock. G. T. Cooke. 1,561,218; Nov. 10.
Saws, Automatic guard for circular. J. C. Chladek. 1,561,409; Nov. 10.
Seam for garments. R. C. Navlor. 1,560,712; Nov. 10.
Seaming mechanism. J. Brenzinger. 1,561,307; Nov. 10.
Seat: *See*—
Hanging seat.
Secondary battery. H. L. Young and F. W. Plumb. 1,561,392; Nov. 10.
Sensitized material, Package of. E. P. Flynn. 1,560,555; Nov. 10.
Sewing machine, Buttonhole-. E. B. Allen. 1,560,635; Nov. 10.

Scale, Weighing. H. S. Bergen. 1,561,048; Nov. 10.
Scooter sled. J. Wolpert. 1,560,928; Nov. 10.
Scraper. H. A. Pallady. 1,561,016; Nov. 10.
Screen: *See*—
Glare screen.
Screening and separating machine. J. T. Simpson. 1,561,031; Nov. 10.
Screw, Railway, E. Leloup. 1,561,003; Nov. 10.
Shade holder. T. Reminger. 1,561,110; Nov. 10.
Shaft-driving mechanism. M. E. Seely. 1,561,190; Nov. 10.
Shafts, Packing for. J. W. Dennedy. 1,560,669; Nov. 10.
Sharpening machine, Saw-. A. J. Hatz. 1,561,231; Nov. 10.
Shearing apparatus. C. Rapp. 1,561,022; Nov. 10.
Sheet-feeding machine. J. G. Hardie. 1,560,571; Nov. 10.
Sheet material, Apparatus for forming or shaping articles from. A. E. Cutler and P. A. Marsden. 1,561,312; Nov. 10.
Sheet material, Machine and method applicable to the cutting of. F. M. Furber. 1,560,794; Nov. 10.
Sheet material, Suction conveyer for. J. G. Jones. 1,560,579; Nov. 10.
Sheet metal, Forming a closed spiral chamber from. J. O. Olson. 1,560,719; Nov. 10.
Shipping can. J. M. Coughlin. 1,561,141; Nov. 10.
Shirts, Device for separating the inner and outer parts of double collars for. F. E. Starr. 1,560,739; Nov. 10.
Shock absorber. H. M. Brewster. 1,560,655; Nov. 10.
Shock absorber. J. S. Lang. 1,561,090; Nov. 10.
Shock absorber. D. F. McMahon. 1,560,594; Nov. 10.
Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,560,813; Nov. 10.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,560,843; Nov. 10.
Shock absorbers to motor or other vehicles, Attaching. J. S. Lang. 1,561,089; Nov. 10.
Shovel. W. C. Anthony. 1,560,791; Nov. 10.
Shower head. J. C. Page. 1,561,275; Nov. 10.
Sign, Street. R. A. Thompson. Des. 68,745; Nov. 10.
Signal: *See*—
Railway-crossing signal. Vehicle signal.
Traffic signal.
Signaling, Apparatus for directive. R. A. Fessenden. 1,561,441; Nov. 10.
Signaling system, Automatic supervisory. R. M. Hopkins. 1,561,234; Nov. 10.
Silk and other filaments from cellulose materials, Spinning artificial. H. P. Bassett. 1,560,965; Nov. 10.
Silk, Machine and process for reclaiming. C. A. Snyder. 1,560,614; Nov. 10.
Silo. E. Nelson. 1,560,713; Nov. 10.
Slate, Handling. N. A. Newdick. 1,560,715; Nov. 10.
Smoker's article. L. E. Cooke. 1,560,538; Nov. 10.
Snapping roll. J. E. Malmberg. 1,561,338; Nov. 10.
Snowplow. L. W. Rittenbouse. 1,561,111; Nov. 10.
Snowplow. D. A. Sargent. 1,561,028; Nov. 10.
Snow remover. W. F. MacGregor. 1,561,007; Nov. 10.
Soap dish. O. G. Hitchcock. 1,561,432; Nov. 10.
Soap, Manufacture of high-percentage, nondecomposable, durable. A. Welter. 1,560,626; Nov. 10.
Socket caps, Tool for manipulating. C. E. Anderson. 1,561,295; Nov. 10.
Socket, Nail. J. L. Dillman. 1,561,414; Nov. 10.
Socket, Releasable combination. E. H. Hunt. 1,561,236; Nov. 10.
Socket terminal. L. E. Isele. 1,561,162; Nov. 10.
Sodium-acid sulphite from the liquors of the sodium-acid-sulphite pulp process, Recovering. J. Beveridge. 1,560,649; Nov. 10.
Sodium monosulphite liquors, Treating waste. V. Drewsen. 1,560,900; Nov. 10.
Soldering device, Electrical. R. Fritsche. 1,561,224; Nov. 10.
Soldering iron, Folding. A. A. Woolman. 1,561,134; Nov. 10.
Sole. L. Kaplan. 1,560,995; Nov. 10.
Sole-trimming machine, Shoe-. S. Plawker. 1,560,942; Nov. 10.
Sound distributor. C. Andersen and A. C. Sylvest. 1,560,637; Nov. 10.
Sound recordation. M. H. Reno. 1,560,730; Nov. 10.
Sound-reproducing instrument. L. W. Esterbrook. 1,560,552; Nov. 10.
Spading device, Earth-. C. F. Heinss, sr. 1,560,573; Nov. 10.
Spark plug. W. R. Polson and W. Grant. 1,561,355; Nov. 10.
Spark stations, Testing. S. Loewe. 1,561,258; Nov. 10.
Speed-indicator systems, Generator for use in. F. W. Wood. 1,560,750; Nov. 10.
Speed-regulator system. W. E. Menzies. 1,561,265–7; Nov. 10.
Spinning frames, Lifter motion for cap-. J. Heaps. 1,560,787; Nov. 10.
Spinning machine. W. Freund. 1,560,557; Nov. 10.
Spokes, Ferruling wooden. C. G. Hawley. 1,560,814; Nov. 10.
Spraying apparatus. E. M. Bassler. 1,560,527; Nov. 10.
Spraying apparatus. E. Walker. 1,561,039; Nov. 10.
Spring cushion. W. Lewis. 1,560,588; Nov. 10.
Sprinkler head. J. A. McElroy. 1,560,593; Nov. 10.
Stable cleaner. J. S. Fernandes. 1,560,680; Nov. 10.
Stanchion. F. Stauffer. 1,561,123; Nov. 10.
Stand: *See*—
Adjustable stand.
Stand. E. A. Maraffi. 1,561,339; Nov. 10.
Staple binder. B. Jahn and E. E. Kahl. 1,561,163; Nov. 10.
Steam boiler. D. S. Jacobus. 1,560,801; Nov. 10.
Steering wheels, Signal switch device for. B. B. Wells. 1,560,956; Nov. 10.
Stock food and making the same, Semisolid. W. P. M. Grelck. 1,561,158; Nov. 10.
Stone-setting tool, Basket-mounting. E. Hanson. 1,560,786; Nov. 10.
Stove. E. A. Sattler. Des. 68,738–9; Nov. 10.
Stove door and frame construction. A. H. Tinerman. 1,560,879; Nov. 10.
Stove, Folding. J. Higham. 1,560,799; Nov. 10.
Stove, Gasoline camp. L. B., N., J. M., and W. Goldberg. Re16,203; Nov. 10.
Stove plate, Heat-guard. F. H. Longacre. Des. 68,722; Nov. 10.
Straightening and stretching machine. G. De Vries. 1,560,670; Nov. 10.
Street cleaning. M. Sims. 1,560,612; Nov. 10.
Stuffing box. P. Fischbacher. 1,561,426; Nov. 10.
Sucker-rod elevator and wrench combined, Safety. W. N. White and R. Overfield. 1,561,387; Nov. 10.
Sulphur, Producing an allotropic form of. H. H. Wilkinson. 1,560,926; Nov. 10.
Sulphite process, Quick-cook. P. C. Ulmen. 1,560,881; Nov. 10.
Suspension. W. W. Watson. 1,560,887; Nov. 10.
Suspensory. W. J. Young. 1,560,753; Nov. 10.
Switch: *See*—
Automatic switch. Release switch.
Electric switch. Thermostatic switch.
Motor switch. Time switch.
Radio time switch. Tumbler switch.
Switch. O. S. Jennings. 1,561,239; Nov. 10.
Switch mechanism. H. K. Krantz. 1,561,248; Nov. 10.
Switch mechanism, High-tension. C. G. Koppitz. 1,560,998; Nov. 10.
Switch-operating mechanism. D. M. Jennings. 1,561,329; Nov. 10.
Table: *See*—
Child's table.
Talc and the like, Apparatus for purifying. G. F. Hannam. 1,560,910; Nov. 10.
Tampon, Rectal. E. M. Pond. 1,561,020; Nov. 10.
Tank scaffold. J. A. Stough. 1,560,874; Nov. 10.
Tap, Collapsing. A. F. Breitenstein. 1,560,968; Nov. 10.
Tapering mechanism. F. E. Martin. 1,561,341–2; Nov. 10.
Telegraphy, Printing. G. A. Locke. 1,560,704; Nov. 10.
Telephone attachment. V. T. Miller. 1,561,345; Nov. 10.
Telephone jack. L. L. Jones. 1,561,165; Nov. 10.
Telephone mouthpieces, Sanitary attachment for. C. O. Ellert. 1,560,678; Nov. 10.
Telephone set. A. S. Curtis. 1,560,768; Nov. 10.
Telephone substation circuit. W. T. Powell. 1,560,726; Nov. 10.
Telephone system, Automatic. F. Aldendorff. 1,561,292; Nov. 10.
Telephone system, Automatic. E. Jacobson. 1,560,822; Nov. 10.
Telephone system, Automatic. W. T. Powell. 1,560,725; Nov. 10.
Telephone system, Automatic. R. G. Richardson. 1,560,858; Nov. 10.
Telephone transmitters, Transmitter support for. H. F. Obergfell. 1,561,188; Nov. 10.
Temperature-indicating devices, Attachment for. I. Florman. 1,560,935; Nov. 10.
Testing system. H. M. Pruden. 1,560,727; Nov. 10.
Thermite welding and the like, Mold for. E. F. Begtrup. 1,560,645; Nov. 10.
Thermostatic control. R. K. Hertel. 1,560,992; Nov. 10.
Thermostatic switch. H. R. Fernandez. 1,561,425; Nov. 10.
Thickening process. A. L. Genter. 1,560,796; Nov. 10.
Threads or yarns, particularly imitation-silk yarns, with acids or an acid-containing liquor, Gutter or channel for treating artificial. E. Elsaesser and W. zur Löwen. 1,561,445; Nov. 10.
Threads wound on bobbins, Apparatus for treating artificial. W. Hohmann. 1,560,575; Nov. 10.
Thumb sucking, Device for preventing. A. L. Begg. 1,561,400; Nov. 10.
Tie: *See*—
Railway tie.
Tile-forming machine. J. Korizon. 1,560,999; Nov. 10.
Time switch. S. L. Stone and R. C. Braendlein. 1,560,810; Nov. 10.
Time tables, Station finder for. L. Engel. 1,561,220; Nov. 10.
Tire and tire fabric. H. Langer. 1,560,700; Nov. 10.
Tire chains, Tensioning device for. C. S. Barrell. 1,560,525; Nov. 10.
Tire, Cushion. E. Eger. 1,560,551; Nov. 10.
Tire, Resilient. R. Iredell. Des. 68,714; Nov. 10.
Tire, Resilient. P. Worth. Des. 68,750; Nov. 10.





Tire spreader. G. W. Humfrey. 1,561,079; Nov. 10.
Toaster and table stove, Combined. O. A. Colby. 1,561,309; Nov. 10.
Toaster base and foot. C. Aalborg. 1,561,291; Nov. 10.
Toaster, Bread. F. E. Hummel and J. J. Noeth. 1,560,578; Nov. 10.
Tobacco can. E. B. Colson and H. C. Green. 1,561,057; Nov. 10.
Tool for straightening tubes. O. Duda. 1,561,418; Nov. 10.
Tool holder and tool or implement therefor. G. A. McMenimen. 1,560,834; Nov. 10.
Toothbrush. A. J. Coleman. 1,561,140; Nov. 10.
Toothbrush, Rotary. S. W. Douglas. 1,561,062; Nov. 10.
Toothpick server and napkin holder, Combined. D. W. Jewell. Des. 68,715; Nov. 10.
Torpedo, Well. W. A. Hill. 1,560,815; Nov. 10.
Toy. F. Hirsch. 1,561,077; Nov. 10.
Toy animal. A. Séror. Des. 68,742; Nov. 10.
Toy, Animal. C. I. Sweet. 1,561,373–4; Nov. 10.
Toy camera. H. R. Gill. 1,560,909; Nov. 10.
Toy cars, Coupler for. H. S. Becker. 1,561,398; Nov. 10.
Toy, Climbing figure. G. B. Secrest. 1,560,945; Nov. 10.
Toy electric locomotive, Motor and headlight control mechanism for. F. S. Culver. 1,561,411; Nov. 10.
Toy eye, Inflatable. A. Peel. 1,561,353; Nov. 10.
Toy, Figure wheeled. R. Recatti. 1,560,607; Nov. 10.
Toy, Stuffed. E. R. H. Taggart. 1,560,877; Nov. 10.
Trackway, Sectional. N. A. Newdick. 1,560,714; Nov. 10.
Tractor clutches, Foot control device for. E. J. Richardson. 1,560,857; Nov. 10.
Traffic signal. G. L. Estes. Des. 68,693; Nov. 10.
Traffic signal. P. R. Hatton. 1,560,572; Nov. 10.
Trailer unloading mechanism. E. R. Greer. 1,561,157; Nov. 10.
Train control, Automatic. A. J. Brookins. 1,561,051; Nov. 10.
Train-control device, Automatic. E. J. Gildersleeve. 1,561,429; Nov. 10.
Train-control system. N. J. Jones, jr. 1,561,434; Nov. 10.
Transformer. R. F. Beers. 1,561,204; Nov. 10.
Transmission. G. Komarek. 1,560,827; Nov. 10.
Transmission-pedal control. J. J. Swanson. 1,560,621; Nov. 10.
Trap: *See*—
Insect trap.
Traveling-case cover. A. Halpin. 1,560,783; Nov. 10.
Tray elevator. S. Olson. 1,560,720; Nov. 10.
Truck, Dumping. C. A. Snyder. 1,561,286; Nov. 10.
Truck, Elevating. J. M. Eaton. 1,560,675–6; Nov. 10.
Truck underframe construction. C. H. Dodge. 1,561,313; Nov. 10.
Truck, Wire-reel. G. Ingenthron. 1,561,160; Nov. 10.
Trucks, Side frame for. H. E. Doerr. 1,561,314; Nov. 10.
Truss. J. F. Zink. 1,561,394; Nov. 10.
Trussed structure. G. H. Dawson and H. F. Frease. 1,560,979; Nov. 10.
Tube: *See*—
Collapsible tube. Vacuum tube.
Tube-forming machine. H. A. Faber. 1,561,143; Nov. 10.
Tubes, Closure for collapsible. F. E. Baldwin. 1,561,298; Nov. 10.
Tumbler switch. H. G. Baxter. 1,561,303; Nov. 10.
Turbine-engine rotor and making the same. J. Koenig. 1,561,084; Nov. 10.
Typewriting machine. G. G. Going. 1,561,450; Nov. 10.
Typewriting machine. J. A. B. Smith. 1,560,738; Nov. 10.
Typewriting machine. J. A. B. Smith. 1,561,191; Nov. 10.
Typographical machine. D. S. Kennedy. 1,561,244–6; Nov. 10.
Typographical machine. J. R. Rogers. 1,561,114; Nov. 10.
Umbilical ligature. A. H. Hauber. 1,560,687; Nov. 10.
Undergarment, Woman's. B. Laster. 1,561,252; Nov. 10.
Upholstery, Packing material for. D. F. Fowler. 1,560,772; Nov. 10.
Upholstery pockets, Tool for filling. D. F. Fowler. 1,560,773; Nov. 10.
Urn or similar article. E. A. Farr. 68,694; Nov. 10.
Vacuum cleaner. M. Goodman. 1,561,321; Nov. 10.
Vacuum container. C. Mott. 1,561,102; Nov. 10.
Vacuum drying apparatus. H. D. Miles. 1,560,598; Nov. 10.
Vacuum tube. C. F. Hayes. 1,560,911; Nov. 10.
Vacuum-tube socket. J. W. Radu. 1,560,728; Nov. 10.
Valve. C. C. Spreen. 1,561,367; Nov. 10.
Valve, Adjustable self-closing. E. E. Rose. 1,560,915; Nov. 10.
Valve, Adjustable self-closing. J. G. Everstam. 1,560,770; Nov. 10.
Valve assembly, Compressor-. O. A. Labus. 1,561,175; Nov. 10.
Valve, Check. E. T. Adams. 1,561,395; Nov. 10.
Valve, Combination. J. Feichter. 1,560,771; Nov. 10.
Valve, Combined control and trip. P. W. Knauf. 1,560,586; Nov. 10.
Valve, Diaphragm. R. W. Brown. 1,560,656; Nov. 10.
Valve, Dry-pipe. A. J. Gross. 1,560,985; Nov. 10.
Valve lock. G. Danko. 1,561,059; Nov. 10.
Valve-operating mechanism. D. F. Asbury. Re16,205; Nov. 10.
Valve, Pressure temperature. H. J. Smith. 1,561,118; Nov. 10.
Valve, Safety. C. F. Kraut. 1,560,829; Nov. 10.
Valve tappets and the like, Apparatus for forming. H. S. Lee. 1,560,882; Nov. 10.
Valve, Water-mixing. O. W. Vallier. 1,561,127; Nov. 10.
Valve, Water-relief. J. W. Grant. 1,560,567; Nov. 10.
Valves, Control for float. T. Shetka. 1,560,867; Nov. 10.
Vanity case. C. E. Croswhite. 1,560,767; Nov. 10.
Vehicle attachment, Motor-. R. H. Staley. 1,561,368; Nov. 10.
Vehicle body. L. M. Hendler. 1,561,328; Nov. 10.
Vehicle bumper. M. Goldstein. 1,561,155; Nov. 10.
Vehicle, Child's. E. M. Mayer. 1,561,264; Nov. 10.
Vehicle construction. T. J. Fay. 1,561,221; Nov. 10.
Vehicle, Convertible. C. J. Julstedt. 1,560,802; Nov. 10.
Vehicle frame. C. F. Kettering. 1,561,083; Nov. 10.
Vehicle jack. J. H. Burkholder and J. A. Chater. 1,560,533; Nov. 10.
Vehicle signal. F. M. Iams. 1,561,238; Nov. 10.
Vehicles, Auxiliary turning device for motor. H. H. Collins. 1,560,665; Nov. 10.
Vehicles, Center emergency brake and control lever for motor. G. C. Allen. 1,560,636; Nov. 10.
Vehicles, Identifying means for motor. W. D. Cooper. 1,560,539; Nov. 10.
Vehicles, Motion and direction indicator for motor. C. H. Liddell. 1,560,703; Nov. 10.
Vehicles, Speed-control system for. P. J. Simmen. 1,560,611; Nov. 10.
Vein stabilizer. J. C. Silliman. 1,561,116; Nov. 10.
Vending machine. C. E. Elkins and T. B. Smith. 1,560,677; Nov. 10.
Vending-machine casing. J. C. Quintin. Des. 68,731; Nov. 10.
Ventilator. M. McNutt. 1,561,006; Nov. 10.
Vessel. P. C. Elsey. 1,561,142; Nov. 10.
Viscometer. R. G. Casey. 1,560,662; Nov. 10.
Vision and the chromatic or color sense, Apparatus for examining keenness of. E. Guérin. 1,560,780; Nov. 10.
Voltage regulator. H. A. Maxfield. 1,561,263; Nov. 10.
Waffle iron or similar article. E. A. Rutenber. Des. 68,733; Nov. 10.
Wall heater, Electric. R. G. Ledig. Des. 68,720; Nov. 10.
Walls of concrete, Apparatus for constructing. J. R. Compton. 1,561,217; Nov. 10.
Wash-boiler percolator. C. M. Brown. 1,560,970; Nov. 10.
Washing machine. W. F. and E. R. Blake. 1,560,530; Nov. 10.
Washing machine. I. D. Lengel. 1,561,255; Nov. 10.
Watch case, Wrist-. H. W. Schwettman. Des. 68,740; Nov. 10.
Water-circulating device. H. F. Thomas. 1,561,376; Nov. 10.
Water heater, Dentist's. C. E. Parkhurst. 1,561,106; Nov. 10.
Water heater, Electric. W. Kiger. 1,560,695. Nov. 10.
Water heaters, Automatic controlling mechanism for. H. J. Philbin. 1,561,277; Nov. 10.
Water, Method of and apparatus for heating. A. Schückher. 1,560,806; Nov. 10.
Wave signaling system. M. I. Pupin. 1,561,278; Nov. 10.
Wax and compound annealer. H. A. Bonoff. 1,560,893; Nov. 10.
Wearing-apparel case. J. M. Kaye. 1,561,242; Nov. 10.
Weather stop. A. Szymkowink. 1,561,195; Nov. 10.
Weather strip. F. Marovich. 1,561,096; Nov. 10.
Weaving machine. A. Wild. Re16,208; Nov. 10.
Weighing machine, Electrically-operated automatic. E. C. Bremer and W. J. Schaefer. 1,561,211; Nov. 10.
Welding machine. A. A. Kramer and A. M. Griffin. 1,560,699; Nov. 10.
Welding metal, Apparatus for. P. E. Hunter. 1,560,820; Nov. 10.
Well construction, Oil. F. Richmond. 1,560,859; Nov. 10.
Well-drilling apparatus, Packing head and blow-out preventer for rotary-type. F. M. Collins. 1,560,763; Nov. 10.
Wells and the like, Walking beam for oil. G. P. Slater. 1,560,870; Nov. 10.
Wells, Expanding plunger for oil. C. Card. 1,561,407; Nov. 10.
Wheel. E. C. Madden. 1,560,836; Nov. 10.
Wheels, Attaching means for use on wire-spoke. J. F. Merkel. 1,561,180; Nov. 10.
Wheels, Demountable rim for vehicle. G. Homiak. 1,560,576; Nov. 10.
Wheels, Locking device for removable. L. Rouanet. 1,561,026; Nov. 10.
Wheels, Safety appliance for vehicle. B. McPhilliamy. 1,560,939; Nov. 10.
Wheels, Wire spoke for J. H. Graham. 1,560,565; Nov. 10.
Whistle-operating mechanism. G. L. Davis and F. W. Lampton. 1,561,412; Nov. 10.
Window adjuster, Automatic. E. A. Wright. 1,560,930; Nov. 10.

Window-control mechanism. S. W. Nicholson. 1,561,274; Nov. 10.
Window frame and sashes therefor. I. J. Polack. 1,560,850; Nov. 10.
Window-frame construction. J. Sylvan. 1,560,876; Nov. 10.
Window, Hinged. G. Drew. 1,561,416; Nov. 10.
Window lock and handle, Combination conch-. C. R. Lake. 1,560,587; Nov. 10.
Window-regulator drum. E. E. Heintz. 1,560,991; Nov. 10.
Windows, Clamp for sliding. A. J. Kopp. 1,560,828; Nov. 10.
Windshield. W. A. Klingberg. 1,560,585; Nov. 10.
Windshield wiper. C. Glidric and M. Bates. 1,561,320; Nov. 10.
Wire, Nonmagnetic steel. P. H. Brace. 1,561,306; Nov. 10.
Wood-drying apparatus. J. F. Hope. 1,560,817; Nov. 10.
Woodworking machines, Work clamp for. C. G. Wilderson. 1,560,748; Nov. 10.
X-ray films, Packing for. W. Hohmann. 1,560,993; Nov. 10.
Yarn, Guide for. I. S. Bleendes. 1,561,208; Nov. 10.
Yarn spool. W. Bixby. 1,561,206; Nov. 10.
Yarn spool. E. F. Hathaway. 1,561,230; Nov. 10.

# CLASSIFICATION OF PATENTS

## NOVEMBER 10, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

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# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Aaron & Sherman, Chicago, Ill. Outer skirts and dresses for women and children. 205,693; Nov. 17; Serial No. 154,424; published Aug. 18, 1925.

Aberle, Edward, Nutley, N. J. Loose-leaf binders. 205,901; Nov. 17; Serial No. 216,861; published Sept. 8, 1925.

Adams, S. G., Stamp & Seal Co.; S. G. Adams Stamp and Stationary Company, St. Louis, Mo. Stamps, seals, daters, stencils, and the like. 27,717; renewed Jan. 28, 1926.

Adler, Isaac, New York, N. Y. Ladies' and young women's dresses. 205,792; Nov. 17; Serial No. 216,006; published Sept. 1, 1925.

Aeolian Company, The, New York, N. Y. Organs comprising pneumatically-controlled playing mechanisms. 45,717; renewed Aug. 29, 1925.

Aeolian Company, The, New York, N. Y. Pneumatically-controlled players for keyboard instruments. 45,718; renewed Aug. 29, 1925.

Aeolian Company, The, New York, N. Y. Organs comprising pneumatically-controlled playing mechanisms. 45,719; renewed Aug. 29, 1925.

Aeolian Company, The, New York, N. Y. Perforated music rolls. 45,849–50; renewed Aug. 29, 1925.

Aeolian Company, The, New York, N. Y. Piano players. 45,851; renewed Aug. 29, 1925.

Aeolian Company, The, New York, N. Y. Pianos comprising pneumatically-controlled playing mechanisms. 45,852; renewed Aug. 29, 1925.

African & Eastern Trading Co., Incorporated, New York, N. Y. Canned sardines. 205,913; Nov. 17; Serial No. 213,344; published Sept. 1, 1925.

Agawan Paper Company, Mittineague, Mass., assignor to The Central Ohio Paper Co., Columbus, Ohio. Paper and envelopes. 27,849; renewed Feb. 25, 1926.

Aktiebolaget Stille-Werner, Stockholm, Sweden. Instruments and apparatus for medical, dental, and other purposes, artificial limbs, etc. 205,740; Nov. 17; Serial No. 207,336; published Sept. 1, 1925.

Altman, B., & Co., New York, N. Y. Perfume. 205,830; Nov. 17; Serial No. 217,882; published Sept. 1, 1925.

American Asphalt Roof Corporation, Kansas City, Mo. Asphalt roofing. 205,963–4; Nov. 17.

American Caramel Company, York, Pa. Candy. 205,755; Nov. 17; Serial No. 217,657; published Sept. 1, 1925.

American Washboard Company, The, Cleveland, Ohio, assignor to National Washboard Company, Chicago, Ill. Washboards. 48,253–5; renewed Dec. 19, 1925.

American Washboard Company, The, Cleveland, Ohio, assignor to National Washboard Company, Chicago, Ill. Washboards. 48,258; renewed Dec. 19, 1925.

American Wire Fabrics Corporation, Chicago, Ill. Window-screen cloth, wire cloth, poultry netting, etc. 205,700; Nov. 17; Serial No. 193,648; published Sept. 1, 1925.

American Wringer Company, The, Providence and Woonsocket, R. I.; New York and Auburn, N. Y.; and Erie, Pa., assignor to American Wringer Company, Inc., Woonsocket, R. I. Wringers. 27,465; renewed Dec. 10, 1925.

American Wringer Company, Providence and Woonsocket, R. I.; New York and Auburn, N. Y.; and Erie, Pa., assignor to American Wringer Company, Woonsocket, R. I. Wringers. 27,466; renewed Dec. 10, 1925.

American Wringer Co., The, Providence, R. I., and New York and Auburn, N. Y., assignor to American Wringer Company, Inc., Woonsocket, R. I. Wringers and mangles. 27,490; renewed Dec. 17, 1925.

American Wringer Co., Providence, R. I., and New York and Auburn, N. Y., assignor to American Wringer Company, Inc., Woonsocket, R. I. Rolls for wringers. 27,544; renewed Dec. 24, 1925.

American Wringer Company, The, Providence and Woonsocket, R. I.; New York and Auburn, N. Y.; and Erie, Pa., assignor to American Wringer Company, Inc., Woonsocket, R. I. Clothes wringers. 27,605; renewed Jan. 7, 1926.

Ansco Photoproducts, Inc., Binghamton, N. Y. Sensitized photographic film. 205,723; Nov. 17; Serial No. 212,585; published Sept. 1, 1925.

"Anti-Ferment" Co., The. (See Kuykendal, Clarence M.)

Appleford Counter Check Book Co. Limited, The, Hamilton, Ontario, Canada. Account forms, bookkeeping blanks, counter check books, etc. 205,932; Nov. 17; Serial No. 211,247; published Sept. 8, 1925.

Arcade File Works, Anderson, Ind. Files and rasps. 49,460; renewed Feb. 6, 1926.

Arden, Elizabeth. (See Lewis, Florence N.)

Argus Manufacturing Co., The, Cleveland, Ohio. Calking roofing cement and joint cement and concrete hardener. 205,694; Nov. 17; Serial No. 178,948; published Aug. 18, 1925.

Armstrong Cork & Insulation Company, Pittsburgh, Pa. Mastic finish for heat insulating material. 205,966; Nov. 17.

Aron, J., & Company, Inc., New York, N. Y. Coffee. 205,957; Nov. 17.

Asten, V., & Co., Eupen, Belgium. Felts for paper machinery. 205,727; Nov. 17; Serial No. 212,171; published Aug. 18, 1925.

Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen dress goods. 205,827; Nov. 17; Serial No. 217,440; published Sept. 1, 1925.

Auerbach, Joseph S., doing business as D. Auerbach & Sons, New York, N. Y. Candies. 205,934; Nov. 17; Serial No. 209,609; published May 5, 1925.

B. V. D. Company, Inc. (See Erlanger Bros.)

Bakelite Corp., New York, N. Y. Meter frames, disks, and cases, ammeter cases, etc. 205,724; Nov. 17; Serial No. 212,526; published Sept. 1, 1925.

Bakelite Corporation, New York, N. Y. Cash boxes, vanity boxes, etc. 205,807; Nov. 17; Serial No. 216,816; published Sept. 1, 1925.

Bakelite Corporation, New York, N. Y. Pistol grips and butt plates. 205,824; Nov. 17; Serial No. 217,496; published Sept. 1, 1925.

Bakelite Corporation, New York, N. Y. Fountain pens, pencils, inkstands, paper weights, etc. 205,924; Nov. 17; Serial No. 212,525; published Sept. 1, 1925.

Barbara Fritchie Chocolate Shop. (See Cramer, Ammon E.)

Barbee, Cecil R., doing business as London Dry, Ltd., Los Angeles, Calif. Beverages and extracts and sirups for making same. 205,986; Nov. 17.

Baugh Chemical Company of Baltimore County, Md., The, Baltimore and Baltimore County, Md. Chemically-prepared fertilizers. 45,884; renewed Aug. 29, 1925.

Baxter, H. C., & Bro., Brunswick, Me. Canned vegetables and fruits. 45,845; renewed Aug. 15, 1925.

Baxter, H. C., & Bro., Brunswick, Me. Canned fruits and vegetables. 46,545; renewed Sept. 26, 1925.

Baxter, H. C., & Bro., Brunswick, Me. Canned fruits, berries, and vegetables. 46,029; renewed Sept. 5, 1925.

Beach, F., Arnold, doing business as The Lanno-Rub Chemical Company, Philadelphia, Pa. Massage cream. 206,001; Nov. 17.

Beatrice Creamery Company, Chicago, Ill. Butter. 205,960; Nov. 17.

Beebe-Howes Co., The, New York, N. Y. Hosiery. 205,810; Nov. 17; Serial No. 216,666; published Sept. 1, 1925.

Beebe-Howes Co., The, New York, N. Y. Hosiery. 205,857; Nov. 17; Serial No. 216,579; published Sept. 1, 1925.

Beh, Van Bergen & Co., Inc., New York, N. Y. Lawns. 205,813; Nov. 17; Serial No. 217,694; published Sept. 1, 1925.

Berg, F. E., Chicago, Ill. Curtains and draperies. 205,871; Nov. 17; Serial No. 214,310; published Sept. 1, 1925.

Berry, A. H., Shoe Company, Portland, Me. Leather boots and shoes. 46,074; renewed Sept. 5, 1925.

Besserides, A. A., Minkler, Calif. Fresh grapes. 205,946; Nov. 17; Serial No. 217,497; published Sept. 1, 1925.

Birkmeyer, John F., & Sons, Baltimore, Md. Cough drops, stick candy, and French mixtures. 27,883; renewed Dec. 8, 1925.

Blake, Moffitt & Towne, San Francisco, Calif. Toilet paper, paper napkins, and paper towels. 205,919; Nov. 17; Serial No. 212,992; published Sept. 1, 1925.

Boker, H., & Co., Inc., New York, N. Y. Sewing needles. 205,791; Nov. 17; Serial No. 215,965; published Aug. 25, 1925.

Bon Seigneur, Pierre, doing business as Bondex Food Products Co., Baltimore, Md. Food-flavoring extracts. 205,775; Nov. 17; Serial No. 215,330; published Sept. 1, 1925.

Bond, Charles, Company, Philadelphia, Pa. Calf and sheep skins. 205,982; Nov. 17.

Braunstein, Jacob, doing business as Standard Home Supply Store, Akron, Ohio. Malt extract. 205,999; Nov. 17.

Budlong Manufacturing Company, Auburn, R. I. Braids, elastic cords, tape, shoe lacings, etc. 205,877; Nov. 17; Serial No. 214,706; published Aug. 25, 1925.

Burgit Chemisch Pharmaceutische Erzeugnisse Gesellschaft mit beschränkter Haftung, Berlin, Germany. Corn cures. 205,797; Nov. 17; Serial No. 217,206; published Sept. 1, 1925.

C. V. Lens Co., Inc., Rochester, N. Y. Ophthalmic lenses. 205,715; Nov. 17; Serial No. 213,490; published Sept. 1, 1925.

Carroll Chain Company, The, Columbus, Ohio. Chains made of iron and steel. 205,850; Nov. 17; Serial No. 216,321; published Sept. 1, 1925.

Carrozza, Joseph, Philadelphia, Pa. Hair tonic. 205,796; Nov. 17; Serial No. 217,207; published Sept. 1, 1925.

Carter, Wiliam, Company, The. (See Springfield Knitting Co.)

Cash Wholesale Grocers, also doing business as Samuel Kunin & Sons, Chicago, Ill. Malt extract for food purposes. 205,844; Nov. 17; Serial No. 216,147; published Aug. 11, 1925.

Celluloid Starch Company, The, New York, N. Y. Laundry starch. 49,688–9; renewed Feb. 13, 1926.

Central Door and Lumber Company, Portland, Oreg. Wooden garage doors, French doors, etc. 205,711; Nov. 17; Serial No. 198,223; published Nov. 11, 1924.

Central Lemon Association, Villa Park, Calif. Lemons, oranges, grapefruit. 205,761; Nov. 17; Serial No. 216,878; published Sept. 1, 1925.

Central Lemon Association, Villa Park, Calif. Lemons, oranges, grapefruit. 205,951–2; Nov. 17; Serial Nos. 216,880–1; published Sept. 1, 1925.

Central Ohio Paper Co., The. (See Agawam Paper Company, assignor.)

Central Ohio Paper Company, The, Columbus, Ohio. Paper and envelopes. 27,729; renewed Feb. 4, 1926.

Cestrada Cigarette Co. (See Hatch Mansfield & Co. Limited.)

Challenge Cutlery Corp., Bridgeport, Conn. Razors. 48,679; renewed Jan. 9, 1926.

Challenge Cutlery Corporation, Bridgeport, Conn. Scissors and shears. 49,965; renewed Feb. 27, 1926.

Challenge Cutlery Corporation, Bridgeport, Conn. Pocketknives. 49,998; renewed Feb. 27, 1926.

Chandgie, Harry, Greensboro, N. C. Men's dress shirts. 205,752; Nov. 17; Serial No. 211,517; published Sept. 1, 1925.

Chapin-Sacks Corporation, Washington, D. C. Ice cream. 205,777; Nov. 17; Serial No. 210,882; published Sept. 1, 1925.

Chemical Founddtion, Incorporated, The. (See Norddeutsche Kartoffelmehl-Fabrik mit beschränkter Haftung.)

Chic Bag Co., New York, N. Y. Ladies' hand bags. 205,923; Nov. 17; Serial No. 213,831; published Sept. 8, 1925.

Cirese, Joachim P., doing business as Cirese Bros. & Co., Chicago, Ill. Fresh grapes. 205,764; Nov. 17; Serial No. 216,148; published Sept. 1, 1925.

Citrus Soap Company, assignor, by mesne assignments, to Citrus Soap Company of California, San Diego, Calif. Washing powders. 49,328; renewed Jan. 30, 1926.

City Stores Company, New York, N. Y. Dresses. 205,734; Nov. 17; Serial No. 202,383; published Sept. 1, 1925.

Clinton Wire Cloth Co., Clinton, Mass., assignor, by mesne assignments, to Wickwire Spencer Steel Company, New York, N. Y. Wire cloth. 46,018; renewed Sept. 5, 1925.

Clinton Wire Cloth Co., Clinton, Mass., assignor, by mesne assignments, to Wickwire Spencer Steel Company, New York, N. Y. Woven wire cloth and netting. 47,627; renewed Nov. 14, 1925.

Cloyes, Raymond T., doing business as Cloyes Gear Works, Cleveland, Ohio. Engine timing gears. 205,958; Nov. 17.

Cohen, Joseph H., & Sons, Vanity Clothes Inc., New York, N. Y. Men's clothing. 205,985; Nov. 17.

Colorado Milling & Elevator Co., The. (See Crescent Mill & Elevator Company, assignor.)

Columbia Knitting Mills, Portland, Oreg. Knitted combination sport garment. 205,881; Nov. 17; Serial No. 215,055; published Sept. 1, 1925.

Comer Manufacturing Co., The, Dayton, Ohio. Men's and children's suits. 205,911; Nov. 17; Serial No. 214,710; published Aug. 18, 1925.

Consolidated Cork Corporation, Brooklyn, N. Y. Stoppers or corks for bottles, jugs, and jars. 205,803; Nov. 17; Serial No. 216,966; published Aug. 25, 1925.

Cook, H. C., Company, The, Ansonia, Conn. Articles of stationery hardware. 205,930–1; Nov. 17; Serial Nos. 211,661–7; published Sept. 1, 1925.

Corona Citrus Association, Corona, Calif. Oranges, lemons, grapefruit. 205,754; Nov. 17; Serial No. 217,760; published Sept. 1, 1925.

Corticelli Silk Company, The, Florence, Mass. Silk piece goods. 205,750; Nov. 17; Serial No. 211,331; published Sept. 1, 1925.

Covina Citrus Association, Covina, Calif. Fresh citrous fruits. 205,767; Nov. 17; Serial No. 214,711; published Sept. 1, 1925.

Covina Citrus Association, Covina, Calif. Fresh citrous fruits. 205,956; Nov. 17; Serial No. 216,152; published Sept. 1, 1925.

Cramer, Ammon E., doing business as Barbara Fritchie Chocolate Shop, Frederick, Md. Chocolates and bonbons. 205,883; Nov. 17; Serial No. 185,746; published Dec. 2, 1924.

Crane, E. & W. M., Inc., Dalton, Mass. Writing paper and mailing envelopes. 205,893; Nov. 17; Serial No. 217,452; published Sept. 1, 1925.

Crescent Mill & Elevator Company, assignor to The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 45,561; renewed Aug. 22, 1925.

Crown Willamette Paper Company, San Francisco, Calif. Raisin-tray paper. 205,895; Nov. 17; Serial No. 217,135; published Sept. 1, 1925.

Cunneen, William F. (See Elstroth, Frank W. S., assignor.)

Cupp Grocery Company, Johnstown, Pa. Coffee. 205,943; Nov. 17; Serial No. 217,670; published Sept. 1, 1925.

Curry, J. B., & Sons, Mount Vernon, Ala. Legal forms. 205,892; Nov. 17; Serial No. 217,505; published Sept. 15, 1925.

D-A Lubricant Company, Inc., Indianapolis, Ind. Lubricating greases. 206,003; Nov. 17.

Daly-Featherston Corp., New York, N. Y. Parlor board game played with pieces. 205,789; Nov. 17; Serial No. 215,848; published Sept. 1, 1925.

Dampene Chemical Company, Kenner, La. Insecticide. 205,793; Nov. 17; Serial No. 217,333; published Sept. 1, 1925.

Danahy, Edward T., Co., Inc., Buffalo, N. Y. Hams, pork, veal, lard, etc. 205,917; Nov. 17; Serial No. 210,448; published May 5, 1925.

Davis, John W., Dunlap, Kans. Fish bait. 205,866; Nov. 17; Serial No. 218,773; published Sept. 1, 1925.

Delaunay, Robert, Paris, France. Fabric woven from wool, hair, silk, hemp, etc. 205,720; Nov. 17; Serial No. 212,899; published Sept. 1, 1925.

Dimond, Royal W., doing business as Sunnyacres Poultry Farm, Pascoag, R. I. Eggs, baby chicks, live and dressed poultry. 205,778; Nov. 17; Serial No. 210,716; published Sept. 1, 1925.

Dodson, Norris A., Washington, D. C. Embalming chemicals. 206,000; Nov. 17.

Dowman-Dozier Mfg. Co., Atlanta, Ga. Ventilators. 46,512; renewed Sept. 26, 1925.

Duman Textile Mills Inc., Brooklyn, N. Y. Women's and children's vests, caps, waistcoats, sweaters, etc. 205,710; Nov. 17; Serial No. 199,153; published Sept. 1, 1925.

Eagle White Lead Co., The, assignor to The Eagle-Picher Lead Company, Cincinnati, Ohio. Pure red lead. 49,395; renewed Feb. 6, 1926.

Eichler, Armin, New York, N. Y., assignor, by mesne assignments, to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paints, varnishes, and enamels. 46,103; renewed Sept. 5, 1925.

Elbee Chocolate Co., Inc., Brooklyn, N. Y. Candy. 205,912; Nov. 17; Serial No. 214,538; published Sept. 1, 1925.

Ellis, Walter J., doing business as The Ellis Press, New York, N. Y. Desk calendars, letterheads, writing paper, and mailing envelopes. 205,973; Nov. 17.

Elmore Company, The., also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 205,728; Nov. 17; Serial No. 212,078; published Sept. 1, 1925.

Elmore Company, The, also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 205,729; Nov. 17; Serial No. 212,064; published Sept. 1, 1925.

Elmore Company, The, also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 205,927; Nov. 17; Serial No. 212,065; published Sept. 8, 1925.

Elstroth, Frank W. S., New York, N. Y., assignor to W. F. Cunneen, Holtsville and Brooklyn, N. Y. Salve. 47,454; renewed Nov. 7, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 205,863–4; Nov. 17; Serial Nos. 213,558–9; published July 28, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 205,870; Nov. 17; Serial No. 214,134; published July 28, 1925.

Erlanger Bros., assignor to The B. V. D. Company, Inc., New York, N. Y. Undershirts and underdrawers. 49,931; renewed Feb. 27, 1926.

Erminger, D. B., Chicago, Ill. Chocolate-covered raisins and candy. 205,885; Nov. 17; Serial No. 191,374; published Mar. 11, 1924.

Fair, William B. (See Zabriskie, Geo. A., assignor.)

Fassett & Company, Tacoma, Wash. Canned apples, blackberries, and rhubarb. 205,763; Nov. 17; Serial No. 216,166; published Sept. 1, 1925.

Fawcett, Hughes, New York, N. Y. Braids, shoe laces, and hatbands. 205,731; Nov. 17; Serial No. 211,670; published Aug. 25, 1925.

Feldstein, Morris, & Son., New York, N. Y. Sole leather. 205,974; Nov. 17.

Fev-O Laboratories. (See Olsen, Fredrik V. E.)

Field-Parker Company, El Paso, Tex. Filing folders. 205,995; Nov. 17.

Fietemeyer, Jennie, Jonesburg, Mo. Salve. 205,826; Nov. 17; Serial No. 217,456; published Sept. 1, 1925.

Floria Chemical Co. Inc., New York, N. Y. Laxative. 205,801; Nov. 17; Serial No. 217,016; published Sept. 1, 1925.

Forbes, Harry W., doing business as Forbes Farms, Los Angeles and Thermal, Calif. Fresh grapefruit and tangerines. 205,772; Nov. 17; Serial No. 212,246; published Sept. 1, 1925.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 205,814–20; Nov. 17; Serial Nos. 217,610–16; published Sept. 1, 1925.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 205,821; Nov. 17; Serial No. 217,607; published Sept. 1, 1925.



Foster-Dack Co., The, Chicago, Ill. Surgical dressing for wounds, burns, scalds and as an application for all irritated surfaces, nonpoisonous. 205,795; Nov. 17; Serial No. 217,217; published Sept. 1, 1925.

Fox Paper Company, The, Lockland, Ohio. Wrapping paper. 205,965; Nov. 17.

Franklin Simon & Co., Inc., New York, N. Y. Perfumery atomizers. 205,718; Nov. 17; Serial No. 213,129; published Sept. 1, 1925.

French Merchandise Company, Inc., New York, N. Y. Laces and hair nets. 205,937; Nov. 17; Serial No. 200,618; published Sept. 8, 1925.

Freund, Charles A., doing business as C. A. Freund Packing Co., Cincinnati, Ohio. Sugar-cured hams, bacon, shoulder, and cala, and sausage. 205,939; Nov. 17; Serial No. 192,569; published Sept. 1, 1925.

Freydberg Bros. Inc., New York, N. Y. Textile binding strips or ribbon. 205,905; Nov. 17; Serial No. 215,408; published Sept. 8, 1925.

Garfinkel & Ritter, New York, N. Y. Chiffon in the piece. 205,730; Nov. 17; Serial No. 211,676; published Sept. 1, 1925.

General Baking Company, New York, N. Y. Cake. 205,888; Nov. 17; Serial No. 206,955; published Sept. 1, 1925.

Gerstendorfer Bros., New York, N. Y. Certain named paints, enamels, and bronzing liquids. 49,856; renewed Feb. 20, 1926.

Gerstendorfer Bros., New York, N. Y. Paints and enamels. 50,005; renewed Feb. 27, 1926.

Ghirardelli D., Co., San Francisco, Calif. Chocolate, candy, cocoa, and mustard. 205,776; Nov. 17; Serial No. 214,658; published Sept. 1, 1925.

Glatron, Baschet & Cie., Paris, France. Cigarette papers. 205,921; Nov. 17; Serial No. 214,356; published Sept. 8, 1925.

Glendora Citrus Association, Glendora, Calif. Fresh citrous fruits. 205,757; Nov. 17; Serial No. 217,565; published Sept. 1, 1925.

Godchaux, Leon, Clothing Co., Ltd., The, New Orleans, La. Coats, suits, dresses, shoes, etc. 205,979; Nov. 17.

Godchaux Sugars, Inc., New Orleans, La. Sugars. 205,980; Nov. 17.

Golden Rule, The, St. Paul, Minn. Hosiery and underwear. 205,708; Nov. 17; Serial No. 197,808; published Sept. 1, 1925.

Goldstein, Louis, Chicago, Ill., also doing business as Windsor Ale Company, New York, N. Y. Ginger ale. 205,845; Nov. 17; Serial No. 216,173; published Sept. 1, 1925.

Gordon-Rainalter Company, Omaha, Nebr. Candy. 205,907; Nov. 17; Serial No. 215,911; published Sept. 1, 1925.

Gorton, T. Slade, & Co., New York, N. Y. Canned fish. 205,908; Nov. 17; Serial No. 215,855; published Sept. 8, 1925.

Gotham Knitting Mills, New York, N. Y. Knitted outer shirts, coats, and sweaters. 205,882; Nov. 17; Serial No. 215,066; published Sept. 1, 1925.

Goulds Fruit & Vegetable Growers Ass'n, Inc., Goulds, Fla. Fresh tomatoes. 205,758; Nov. 17; Serial No. 217,458; published Sept. 1, 1925.

Graham, James, Manufacturing Co., San Francisco, Calif. Ranges. 205,981; Nov. 17.

Green Bros. Co., Springfield, Mass. Candy. 205,753; Nov. 17; Serial No. 217,769; published Sept. 1, 1925.

Griffin, G. W., & Co., Franklin Falls; G. W. Griffin Co., Franklin, N. H., successor. Hack saws and hacksaw blades. 49,710; renewed Feb. 13, 1926.

Griffin, Robert, Company, The, Jersey City, N. J. Wall paper. 205,891; Nov. 17; Serial No. 217,511; published Sept. 1, 1925.

H. W. Egli S. A., Zurich, Switzerland. Calculating machines. 205,876; Nov. 17; Serial No. 214,651; published Sept. 1, 1925.

Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, wool, and cotton. 205,897; Nov. 17; Serial No. 216,720; published Sept. 8, 1925.

Hacker Brothers, doing business as Instant Icing Company, Indianapolis, Ind. Icings for cakes or for use in candy. 205,781; Nov. 17; Serial No. 207,868; published Sept. 1, 1925.

Hanson, W. T., Company, Schenectady, N. Y. Pills. 27,706; renewed Jan. 28, 1926.

Hartford Silk Waist Company, Hartford, Conn. Silk dresses and silk underwear. 205,806; Nov. 17; Serial No. 216,833; published Sept. 1, 1925.

Hatch Mansfield & Co., Limited, doing business as Cestrada Cigarette Co., London, England. Smoking tobacco and cigarettes. 205,716; Nov. 17; Serial No. 213,239; published Sept. 1, 1925.

Hatch Mansfield & Co., Limited, doing business as Cestrada Cigarette Co., London, England. Cigarettes. 205,717; Nov. 17; Serial No. 213,238; published Sept. 1, 1925.

Hauthaway, C. L., & Sons, Incorporated, Portland, Me., and Boston, Mass., assignor to C. L. Hauthaway & Sons, Incorporated, Boston, Mass. Liquid blacking. 49,631; renewed Feb. 13, 1926.

Haworth, Richard, and Company, Limited, Manchester, England. Cotton piece goods. 205,928; Nov. 17; Serial No. 212,847; published Sept. 8, 1925.

Heil, Henry, Chemical Co., St. Louis, Mo. Medicinal preparation in the form of a mixture used as an antiseptic, germicide, and healing agent. 45,265; renewed Aug. 8, 1925.

Herbs, F. & M., Co., Inc., Hudson, N. Y. Smoking and chewing tobacco. 205,805; Nov. 17; Serial No. 216,834; published Sept. 1, 1925.

Hetta Packing Company, Sulzer, Alaska. Canned salmon. 205,909; Nov. 17; Serial No. 215,788; published Aug. 11, 1925.

Highland Exchange Association, Highland, Calif. Oranges, lemons, grapefruit. 205,940; Nov. 17; Serial No. 217,781; published Sept. 1, 1925.

Highland Fruit Growers Association, Highland, Calif. Oranges, lemons, grapefruit. 205,941; Nov. 17; Serial No. 217,777; published Sept. 1, 1925.

Highbotham, Henry D., New York, N. Y. Kneeling pads. 205,842; Nov. 17; Serial No. 215,301; published Sept. 1, 1925.

Hildreth, H. L., Company, Boston, Mass. Candy. 205,704; Nov. 17; Serial No. 196,020; published Aug. 25, 1925.

Hillerich & Bradsby Co., Louisville, Ky. Baseball bats. 205,809; Nov. 17; Serial No. 216,724; published Aug. 18, 1925.

Himrod Manufacturing Company, New York, N. Y., assignor to Himrod Manufacturing Company, Jersey City, N. J. Remedies for asthma, catarrh, and similar affections. 27,250; renewed Nov. 19, 1925.

Hobe Button Co. Inc., New York, N. Y. Buttons. 205,749; Nov. 17; Serial No. 211,101; published June 2, 1925.

Hochheiser & Weisberg Inc., New York, N. Y. Olive oil. 205,782; Nov. 17; Serial No. 198,335; published Sept. 1, 1925.

Hohlfeld Manufacturing Company, Philadelphia, Pa. Cloth towels, wash rags, face cloths, textile bath mats, and textile bathroom rugs. 205,706; Nov. 17; Serial No. 196,743; published Sept. 1, 1925.

Home Rubber Company, Trenton, N. J. Rubber hose, belting, and packing. 26,879; renewed July 30, 1925.

Honeywell Heating Specialties Co., The, Wabash, Ind. Thermostatic device for controlling the temperature and pressure of steam and hot water boilers. 206,004; Nov. 17.

Hudnut's, R., Pharmacy, assignor to Richard Hudnut, New York, N. Y. Toilet water and liquid perfumes. 49,221; renewed Jan. 30, 1926.

Hudson, J. L., Co., Detroit, Mich. Women's textile underwear. 205,698; Nov. 17; Serial No. 182,752; published Sept. 1, 1925.

Huiest, Chas. H., assignor to Mohawk Drug and Chemical Company, Troy, N. Y. Croup specific. 45,825; renewed Aug. 29, 1925.

Hurty-Peck & Co., Indianapolis, Ind. Compound sirup for soft drinks. 205,804; Nov. 17; Serial No. 216,910; published Sept. 1, 1925.

India Alkali Works, Boston, Mass. Cleaning preparations. 49,968; renewed Feb. 27, 1926.

Instant Icing Company. (See Hacker Brothers.)

Insulating Materials Company, Detroit, Mich. Sewing threads. 205,920; Nov. 17; Serial No. 214,362; published Sept. 8, 1925.

International Paper Company, New York, N. Y. Wax, writing, and printing paper. 205,894; Nov. 17; Serial No. 217,155; published Sept. 1, 1925.

International Rubber Company of America, The, Anderson, Ind. Pneumatic-tire casings and tubes. 205,878; Nov. 17; Serial No. 214,870; published Aug. 25, 1925.

Irvine Citrus Association, The, Tustin, Calif. Fresh citrous fruits. 205,945; Nov. 17; Serial No. 217,562; published Sept. 1, 1925.

J. E. J. Slip Ova-Alls Company, Dunmore, Pa. Overalls. 205,769; Nov. 17; Serial No. 213,240; published Sept. 1, 1925.

Janes & Kirtland, to Janes & Kirtland, Inc., New York, N. Y. Cooking ranges and hot-air furnaces and parts thereof. 44,534; renewed July 11, 1925.

Johnson, L. B., Birmingham, Ala. Biscuit. 205,962; Nov. 17.

Johnson's Bay Canning Company, Lubec, Me. Canned fish. 205,887; Nov. 17; Serial No. 207,245; published Feb. 10, 1925.

Kathreiner's Malzkaffee-Fabriken mit beschrankter Haftung, Munich, assignor to Kathreiners Malzkaffee-Fabriken Gesellschaft mit beschrankter Haftung, Berlin, Germany. Malt coffee. 26,944; renewed Aug. 13, 1925.

Kaumagraph Co., New York, N. Y. Transfers. 205,786; Nov. 17; Serial No. 202,995; published Aug. 18, 1925.

Keach, A. J., & Co., New York, N. Y. Heavy coarse material somewhat resembling burlap. 205,742; Nov. 17; Serial No. 208,052; published Sept. 1, 1925.

Kelly, M. C., Company, Minneapolis, Minn. Neckties. 205,975; Nov. 17.

Keystone Hair Insulator Company, Allegheny; Keystone Hair Insulator Company, Pittsburgh, Pa., and New York, N. Y. Linings of insulating material. 46,336; renewed Sept. 12, 1925.

Kia-Ora, Limited, Prahran, Victoria, Australia, and London, England. Beverage sold as a soft drink. 205,888; Nov. 17; Serial No. 215,517; published Sept. 1, 1925.

Kielland, Christian, Oslo, Norway. Obstetric extractors. 205,784; Nov. 17; Serial No. 215,635; published Sept. 1, 1925.

Kirsch, H., & Co., Brooklyn, N. Y. Celery drink. 205,880; Nov. 17; Serial No. 215,013; published Sept. 1, 1925.

Kittess, Jason J., Los Angeles, Calif. Bleaching fluid. 205,846; Nov. 17; Serial No. 216,187; published Aug. 25, 1925.

Kitty Wear Co., Inc., Union Hill, N. J. Artificial-silk underwear and outer wear. 205,834; Nov. 17; Serial No. 215,152; published Sept. 1, 1925.

Klein-Norton Co., Los Angeles, Calif. Hosiery. 205,879; Nov. 17; Serial No. 214,872; published Sept. 1, 1925.

Knox Hat Manufacturing Co., The, assignor to Knox Hat Company, Inc., New York, N. Y. Hats and caps. 49,783–4; renewed Feb. 18, 1926.

Krank, Alfred J., doing business as A. J. Krank Manufacturing Company, St. Paul, Minn. Hairdressing preparations. 205,800; Nov. 17; Serial No. 217,158; published Sept. 1, 1925.

Krans Mercantile Co. Inc., New York, N. Y. Breeches and trousers. 205,695; Nov. 17; Serial No. 179,800; published Aug. 11, 1925.

Kunin, Samuel, & Sons. (See Cash Wholesale Grocers.)

Kunkel, Gustav C., Buffalo, N. Y. Check registers. 205,773; Nov. 17; Serial No. 209,302; published July 28, 1925.

Kuykendal, Clarence M., Rock Hill; "The Anti-Ferment" Co., Columbia, S. C., successor. Remedy for diseases of the stomach and bowels. 46,118; renewed Sept. 5, 1925.

L. & M. System Clothes, Inc., New York, N. Y. Men's and young men's suits. 205,840; Nov. 17; Serial No. 215,412; published Sept. 1, 1925.

Lally, Frank, St. Louis, Mo. Composition for use in the treatment of pyorrhea and to harden the gums. 205,872; Nov. 17; Serial No. 214,369; published Aug. 25, 1925.

Lanno-Rub Chemical Company. (See Beach, F. Arnold.)

Laura Hair Novelty Company. (See Thau, Kalman.)

Laury, Sylvester H., Carlisle, Pa. Reenforced bindings. 205,869; Nov. 17; Serial No. 214,022; published Aug. 25, 1925.

Lavender Toilet Co. (See Wilkins, Byron O.)

Lay, T. L., Packing Company, Inc., Knoxville, Tenn. Hams, bacon, sausages, lard, and lard substitutes. 205,916; Nov. 17; Serial No. 211,687; published Sept. 1, 1925.

Leff Bros. Dry Goods & Notion Co., Houston, Tex. Mufflers, ties, garters, etc. 205,738; Nov. 17; Serial No. 206,418; published Sept. 1, 1925.

Leffingwell Rancho Lemon Association, Whittier, Calif. Fresh citrous fruits. 205,762; Nov. 17; Serial No. 216,190; published Sept. 1, 1925.

Leo, Albert, Chicago, Ill. Sugar. 205,799; Nov. 17; Serial No. 217,165; published Aug. 25, 1925.

Leonard, Crosset & Riley, Moorhead, Minn. Seed and table potatoes. 205,910; Nov. 17; Serial No. 215,696; published Sept. 1, 1925.

Leonard, Julia, doing business as Mrs. Leonard, Cambridge, Mass. Salve. 205,829; Nov. 17; Serial No. 217,405; published Sept. 1, 1925.

Les Parfums de Rosine, New York, N. Y. Toilet articles. 205,733; Nov. 17; Serial No. 200,327; published Aug. 25, 1925.

Levett, Clarence M., New York, N. Y. Block puzzles. 205,783; Nov. 17; Serial No. 215,578; published Sept. 1, 1925.

Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Toilet lotions, face and skin creams, perfumes, etc. 205,732; Nov. 17; Serial No. 211,598; published Sept. 1, 1925.

Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Skin-cleansing cream. 205,788; Nov. 17; Serial No. 215,798; published Sept. 1, 1925.

Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Eyebrow shaper. 205,858; Nov. 17; Serial No. 216,611; published Sept. 1, 1925.

Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Eye lotion. 205,859; Nov. 17; Serial No. 216,612; published Sept. 1, 1925.

Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Skin lotion. 205,860–1; Nov. 17; Serial Nos. 216,613–14 published Sept. 1, 1925.

Liebs, L. A., Co., Inc., New York, N. Y., and Newark, N. J. Wrappers. 205,929; Nov. 17; Serial No. 211,689; published Sept. 15, 1925.

Life Savers, Inc., Port Chester, N. Y. Cough drops and tablets for indigestion, etc. 205,868; Nov. 17; Serial No. 213,907; published Sept. 1, 1925.

Life Savers, Inc., Port Chester, N. Y. Malt extract. 205,873; Nov. 17; Serial No. 214,451; published Sept. 1, 1925.

Loeser, Frederick, & Co.; Frederick Loeser & Co., Inc., New York, N. Y., successor. Gloves. 47,007; renewed Oct. 17, 1925.

London Dry, Ltd. (See Barbee, Cecil R.)

Lowenstein, M., & Sons, Inc., New York, N. Y. Cotton, silk, and artificial-silk piece goods and combinations of same. 205,832; Nov. 17; Serial No. 217,351; published Sept. 1, 1925.

Lubetsky Bros. Co., Grand Rapids, Mich. Cigars. 205,697; Nov. 17; Serial No. 182,425; published Sept. 1, 1925.

Lubricant Laboratories, Inc., Boston, Mass. Preparation for removing rust. 205,808; Nov. 17; Serial No. 216,737; published Sept. 1, 1925.

Ludlow Manufacturing Associates, Boston, Mass. Jute bagging. 48,997; renewed Jan. 16, 1926.

Ludlow Manufacturing Associates, Boston, Mass. Jute bagging. 48,998–49,000; renewed Jan. 16, 1926.

Magnet Malt Extract Co. (See Petranek, Frank.)

Marchant Calculating Machine Company, Oakland, Calif. Calculating machines. 205,719; Nov. 17; Serial No. 212,941; published Sept. 1, 1925.

Marietta Knitting Company, Marietta, Ga. Hosiery. 205,839; Nov. 17; Serial No. 215,414; published Sept. 1, 1925.

Marquard, Fred B., Los Angeles, Calif. Candied fruits, candy, prepared chocolate, prepared cocoa. 205,760; Nov. 17; Serial No. 217,408; published Sept. 1, 1925.

Marsh, C. E., & Co.; C. E. Marsh, doing business as Charles E. Marsh & Co., Lynn, Mass. Soap in cakes and bars. 25,937; renewed Jan. 29, 1925.

Marshall Field & Company, Chicago, Ill. Dress shields. 205,701; Nov. 17; Serial No. 194,173; published Jan. 20, 1925.

Marshall Field & Company, Chicago, Ill. Celluloid and wire hairpins. 205,855; Nov. 17; Serial No. 216,520; published Sept. 1, 1925.

Marshall Field & Company, Chicago, Ill. Cotton, linen, and silk handkerchiefs. 205,856; Nov. 17; Serial No. 216,524; published Sept. 1, 1925.

Marx & Haas Clothing Co., St. Louis, Mo. Overcoats, coats, vests, and trousers. 49,287; renewed Jan. 30, 1926.

Massachusetts Cotton Mills, Lowell; Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton piece goods. 46,904; renewed Oct. 17, 1925.

Master Metal Products, Inc., Buffalo, N. Y. Garbage and waste cans. 205,822; Nov. 17; Serial No. 217,522; published Sept. 1, 1925.

Matos, L., New York, N. Y. Hairdressing. 205,745; Nov. 17; Serial No. 209,421; published Aug. 4, 1925.

May Department Stores Company, The, St. Louis, Mo. Hosiery. 205,748; Nov. 17; Serial No. 209,672; published Sept. 1, 1925.

McMahon, Arthur W., Kew Gardens, N. Y. Rompers. 205,696; Nov. 17; Serial No. 181,449; published Sept. 1, 1925.

Mendelsohn & Silver, New York, N. Y. Fringes of silk, cotton, etc. 205,741; Nov. 17; Serial No. 207,587; published July 28, 1925.

Merrill, Curtis W., Company, Inc., Syracuse, N. Y. Coffee. 205,948; Nov. 17; Serial No. 217,409; published Sept. 1, 1925.

Metal Stamping Co.; White Frost Refrigerator Co., Jackson, Mich., successor. Refrigerators and water coolers. 45,286; renewed Aug. 8, 1925.

Miller, Du Brul & Peters Mfg. Co., The, Cincinnati, Ohio. Cigar cutters. 44,505; renewed July 14, 1925.

Miller, George C., & Co., Inc., Boston, Mass. Candy. 205,938; Nov. 17; Serial No. 200,571; published Sept. 1, 1925.

Milwaukee Die Casting Co., Milwaukee, Wis. Bearings. 205,766; Nov. 17; Serial No. 215,306; published Aug. 4, 1925.

Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 205,702; Nov. 17; Serial No. 194,406; published Sept. 1, 1925.

Mitchell, Bettie A., Hartsville, Tenn. Healing salve. 205,998; Nov. 17.

Mohawk Drug and Chemical Company. (See Huiest, Chas. H., assignor.)

Morris Manufacturing Co., El Reno, Okla. Incubators. 205,959; Nov. 17.

Nannette Mfg. Co. (See Rosenau, Joseph F.)

National Pleasure Tours Inc., The, New York, N. Y. Bill folds, check books, and tourists' portfolios. 205,898; Nov. 17; Serial No. 216,112; published Sept. 8, 1925.

National Washboard Company. (See American Washboard Company.)

Navicloth Underwear Corporation, Grand Rapids, Mich. Nainsook athletic underwear. 205,862; Nov. 17. Serial No. 216,621; published Sept. 1, 1925.

Navicloth Underwear Corporation, Grand Rapids, Mich. Nainsook athletic underwear. 205,862; Nov. 17. Serial No. 216,621; published Sept. 1, 1925.

Neenah Paper Co., Neenah, Wis. Bond paper. 205,904; Nov. 17; Serial No. 215,648; published Sept. 1, 1925.

New Era Shirt Company, St. Louis, Mo. Men's, women's, and children's sport shirts. 205,722; Nov. 17; Serial No. 212,630; published Sept. 1, 1925.

New Process Company, Warren, Pa. Topcoats. 205,978; Nov. 17.

Norddeutsche Kartoffelmehl-Fabrik mit beschränkter Haftung, Cüstrin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Potato flour, potato starch, and dextrin. 47,764; renewed Nov. 21, 1925.

Nu-Way Shoe Co., New York, N. Y., Shoes. 205,737; Nov. 17; Serial No. 205,221; published Aug. 25, 1925.



Ohio Chemical & Manufacturing Company, The, Cleveland, Ohio. Sanitary cotton points. 205,726; Nov. 17; Serial No. 212,195; published Sept. 1, 1925.

Olsen, Fredrik V. E., doing business as Fev-O Laboratories, Milwaukee, Wis. Salve for bunions. 205,847; Nov. 17; Serial No. 216,207; published Aug. 25, 1925.

Orange Mutual Citrus Association, Orange, Calif. Oranges, lemons, grapefruit. 205,759; Nov. 17; Serial No. 217,417; published Sept. 1, 1925.

Osborn, Carl R., Colorado Springs, Colo. Candied pop corn. 205,915; Nov. 17; Serial No. 213,188; published Sept. 1, 1925.

Packard Motor Company, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicles and parts thereof. 47,621; renewed Nov. 14, 1925.

Page Steel & Wire Company, Adrian, Mich., and Bridgeport, Conn. Wire fence. 205,848; Nov. 17; Serial No. 216,284; published Sept. 1, 1925.

Palmolive Company, The, Chicago, Ill. Toilet and shaving soaps. 205,739; Nov. 17; Serial No. 207,094; published Aug. 18, 1925.

Paper Novelty Company, The, Green Bay, Wis. Paper napkins. 205,925–8; Nov. 17; Serial Nos. 212,099–100; published Sept. 1, 1925.

Paramine Companies, Inc., The, San Francisco, Calif. Toys. 205,709; Nov. 17; Serial No. 198,085; published Sept. 1, 1925.

Parisian Chocolate Co. (See Vinikow, J.)

Permanent Wave Machine & Supply Corporation, The, New York, N. Y. Hair-protecting pads used in hair waving. 205,835; Nov. 17; Serial No. 215,174; published July 28, 1925.

Petranek, Frank, doing business as Magnet Malt Extract Co., Berwyn, Ill. Malt extract for food purposes. 205,774; Nov. 17; Serial No. 217,047; published Sept. 1, 1925.

Pexol Oil-Burner Company, Philadelphia, Pa. Oil burners. 205,735; Nov. 17; Serial No. 202,823; published Aug. 18, 1925.

Pierson Company, The, Rockford, Ill. Phonograph and radio cabinets, consoles, tables, etc. 205,786; Nov. 17; Serial No. 215,653; published Aug. 18, 1925.

Pinkham Holdings Co., Los Angeles, Calif. Fresh grapes. 205,955; Nov. 17; Serial No. 216,210; published Sept. 1, 1925.

Pittsburg Storage Company, Pittsburg, Tex. Fresh sweet potatoes. 205,756; Nov. 17; Serial No. 217,579; published Sept. 1, 1925.

Pittsburgh Plate Glass Company. (See Eichler, Armin, assignor.)

Pomeranz, B., & Son, New York, N. Y. Hides, skins, and pieces of fur. 205,906; Nov. 17; Serial No. 215,944; published Aug. 25, 1925.

Port Huron Sulphite & Paper Co., Port Huron, Mich. Sulphite, twisting, and converting papers, paper for drinking cups, fruit wraps. 205,935; Nov. 17; Serial No. 207,825; published Sept. 15, 1925.

Port-O Inc., Portland, Oreg. Bottled fruit juices. 205,703; Nov. 17; Serial No. 195,300; published Sept. 1, 1925.

Port-O Inc., Portland, Oreg. Bottled fruit juices. 205,705; Nov. 17; Serial No. 195,301; published Sept. 1, 1925.

Powell's, New York, N. Y. Chocolate and mint candies, orange and lemon candies, etc. 205,884; Nov. 17; Serial No. 201,576; published Sept. 1, 1925.

Powis Brown Company Inc., New York, N. Y. Women's underwear of textile fabric. 205,841; Nov. 17; Serial No. 215,381; published Sept. 1, 1925.

Princess Z. (See Zizianoff, Princess Nina.)

Prints Biederman Co., The, Cleveland, Ohio. Ladies' and misses' outer apparel. 205,843; Nov. 17; Serial No. 216,118; published Sept. 1, 1925.

Protection Products Co., Chicago, Ill. Protective devices and articles for automobiles. 205,867; Nov. 17; Serial No. 213,802; published Aug. 18, 1925.

Prunier et Cie.; Prunier & Cie., Paris France, successor. Remedy for nervous diseases. 26,570; renewed May 21, 1925.

Quaker City Chocolate & Confectionery Company, Philadelphia, Pa. Candy. 205,768; Nov. 17; Serial No. 213,915; published Sept. 1, 1925.

Rex, M. A., Los Angeles, Calif. Canned tunny. 205,961; Nov. 17.

Rich, Nathan H., & Bro., New York, N. Y. Silk and cotton piece goods and mixtures of the same. 205,725; Nov. 17; Serial No. 212,295; published Aug. 18, 1925.

Richards, Arthur, doing business as Richards Chemical Company, Glenolden, Pa. Laxative. 205,831; Nov. 17; Serial No. 217,365; published Sept. 1, 1925.

Rockwell, Frederick B., Buffalo, N. Y., and Stamford, Conn. Refrigerators and ice-making machines. 205,802; Nov. 17; Serial No. 216,993; published Sept. 1, 1925.

Rosen, Samuel S., New York, N. Y. Rodent exterminators. 205,971–2; Nov. 17.

Rosenau, Joseph F., doing business as Nannette Mfg. Co., Philadelphia, Pa. Children's dresses, nightgowns, and baptismal sets. 205,770; Nov. 17; Serial No. 213,096; published July 21, 1925.

Rosenberg, August, doing business as August Rosenberg Agency, New York, N. Y. Loose-leaf binders and binder sheets, loose-leaf records, etc. 205,933; Nov. 17; Serial No. 210,193; published Sept. 8, 1925.

Rubber and Celluloid Harness Trimming Co., assignor to Rubber and Celluloid Products Company, Newark, N. J. Lather brushes, shaving brushes, and paintbrushes. 48,641; renewed Jan. 9, 1926.

Rube, August, Jersey City, N. J. Taffy and bonbons. 205,914; Nov. 17; Serial No. 213,194; published Sept. 1, 1925.

Rumford Chemical Works, Providence, R. I. Phosphatic solutions. 49,872; renewed Feb. 20, 1926.

Rumford Chemical Works, Providence, R. I. Brend-raising preparation. 49,914; renewed Feb. 20, 1926.

Russeks, Detroit, Mich. Full-fashioned hosiery for ladies. 205,747; Nov. 17; Serial No. 210,012; published Sept. 1, 1925.

Sagon, Herman R., San Francisco, Calif. Shirts and hose. 205,983; Nov. 17.

Sampeck Clothes, Inc., New York, N. Y. Overcoats. 205,751; Nov. 17; Serial No. 211,877; published Sept. 1, 1925.

Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, and cordage. 205,918; Nov. 17; Serial No. 217,800; published Sept. 8, 1925.

Schield, Wm., Mfg. Co., St. Louis, Mo. Lye. 205,851–2; Nov. 17; Serial Nos. 216,433–4; published Sept. 1, 1925.

Senman Paper Company, Chicago, Ill. Enameled book paper. 205,936; Nov. 17; Serial No. 206,259; published Aug. 25, 1925.

Shelby Gum Co., The, Shelby, Ohio. Chewing gum. 205,950; Nov. 17; Serial No. 217,368; published Sept. 1, 1925.

Sisco, Peter, Co., Chicago, Ill. Candy and candy bars. 205,942; Nov. 17; Serial No. 217,738; published Sept. 1, 1925.

Snow Flake Canning Co., Brunswick, Me. Canned fruits, berries, and vegetables. 46,276; renewed Sept. 12, 1925.

Society Maid Hosiery Company, Inc., New York, N. Y. Women's hosiery. 205,853; Nov. 17; Serial No. 216,439; published Sept. 1, 1925.

Springfield Knitting Co., Springfield; The William Carter Company, Needham Heights, Mass., successor. Knitted underwear. 27,172; renewed Nov. 4, 1925.

Standard Diary Company, The, Cambridge, Mass. Diaries. 205,896; Nov. 17; Serial No. 217,053; published Sept. 1, 1925.

Standard Home Supply Store. (See Braunstein, Jacob.)

Stark Provision Company, The, Canton, Ohio. Ham, bacon, bologna, etc. 205,953; Nov. 17; Serial No. 216,645; published Sept. 1, 1925.

Stehlik, Marion, New York, N. Y. Dresses, gowns, women's and misses' suits and coats. 205,865; Nov. 17; Serial No. 213,673; published Sept. 1, 1925.

Stein and Blaine, New York, N. Y. Ladies' and misses' dresses, coats, suits, wraps, and furs. 205,836; Nov. 17; Serial No. 215,221; published Sept. 1, 1925.

Stein, S., & Co., New York, N. Y. Woolen goods in the piece and cut lengths. 205,992–4; Nov. 17.

Steinfeld Bros., New York, N. Y. Bicycles, gocarts, and baby carriages. 205,970; Nov. 17.

Stern Apron Manufacturing Company, Elizabethtown, Pa. Aprons. 205,765; Nov. 17; Serial No. 215,597; published Aug. 4, 1925.

Stevens & Thompson Paper Co., New York, N. Y. Toilet paper. 205,899; Nov. 17; Serial No. 215,949; published Sept. 1, 1925.

Stimson, Jonathan C., doing business as Stimson Reflector Company, St. Louis, Mo. Glass light reflectors for use in vehicle tail lights, etc. 205,744; Nov. 17; Serial No. 209,146; published Sept. 1, 1925.

Stix, Baer & Fuller Co., St. Louis, Mo. Face creams and powders, rouges, compacts, etc. 205,798; Nov. 17; Serial No. 217,189; published Sept. 1, 1925.

Strathmore Paper Company, Mittineague, Mass. Writing paper and mailing envelopes. 205,900; Nov. 17; Serial No. 215,830; published Sept. 8, 1925.

Strathmore Paper Company, Mittineague, Mass. Bristol board. 205,902; Nov. 17; Serial No. 215,829; published Sept. 1, 1925.

Strong, Hewott & Co., Inc., New York, N. Y. Woolen piece goods. 205,712; Nov. 17; Serial No. 200,066; published Sept. 1, 1925.

Strong, Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 205,849; Nov. 17; Serial No. 216,298; published Sept. 1, 1925.

Stuart, Keith & Co. Inc., Baltimore, Md. Men's, youths', and boys' overalls, shirts, etc. 205,787; Nov. 17; Serial No. 215,761; published Sept. 1, 1925.

Stuart, Keith & Co. Inc., Baltimore, Md. Youths' and boys' overalls, shirts, etc. 205,903; Nov. 17; Serial No. 215,762; published Sept. 8, 1925.

Sunnyacres Poultry Farm. (See Dimond, Royal W.)

Supreme Soap Manufacturing Company, The, Cincinnati, Ohio. Mechanics' soap. 205,714; Nov. 17; Serial No. 213,532; published Aug. 18, 1925.

Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y. Overall suspender loops. 206,002; Nov. 17.

Swift and Company, Chicago, Ill. Eggs. 205,771; Nov. 17; Serial No. 213,049; published Aug. 4, 1925.

Tellers' Delight Company, Lafayette, La. Adhesive preparation. 205,922; Nov. 17; Serial No. 214,189; published Sept. 8, 1925.

Thau, Kalman, doing business as Laura Hair Novelty Company, New York, N. Y. Hair curlers. 205,837; Nov. 17; Serial No. 215,109; published Sept. 1, 1925.

Thomas, Dr., & Co. G. m. b. H., Barmen, Germany. Buttons for wearing apparel. 205,811; Nov. 17; Serial No. 216,648; published Sept. 1, 1925.
Tillman & Bendel, Inc., San Francisco, Calif. Canned tomatoes. 205,886; Nov. 17; Serial No. 210,024; published June 2, 1925.
Trivers, Theodore, New York, N. Y. Coats, suits, trousers, and vests. 205,976–7; Nov. 17.
Twin Peaks Canning Co., Salt Lake City, Utah. Canned vegetables. 205,890; Nov. 17; Serial No. 203,495; published Dec. 30, 1924.
Undertakers' Supply Company, The, Chicago, Ill. Preparation for use on the human dead. 205,874; Nov. 17; Serial No. 214,519; published Aug. 11, 1925.
Union Hardware Company, Torrington, Conn. Fishing rods, fish reels, whistles, roller skates, etc. 205,743; Nov. 17; Serial No. 208,833; published Sept. 1, 1925.
United Drug Company, Boston, Mass. Invalid cushions, ice caps, syringes, etc. 205,997; Nov. 17.
U. S. Expansion Bolt Co., New York, N. Y. Screw anchors. 205,854; Nov. 17; Serial No. 216,443; published Sept. 1, 1925.
Universal Pictures Corporation, New York, N. Y. Moving pictures. 205,713; Nov. 17; Serial No. 213,536; published Sept. 1, 1925.
Vallée, Jean, & Cie., Inc., La Porte, Ind. Deodorant cream. 205,825; Nov. 17; Serial No. 217,487; published Sept. 1, 1925.
Van Antwerp's Drug Corporation, Inc., Mobile, Ala. Candy. 205,889; Nov. 17; Serial No. 206,866; published Sept. 1, 1925.
Van Antwerp's Drug Corporation, Inc., Mobile, Ala. Candy. 205,968; Nov. 17.
Van Brunt Mfg. Co., Horicon, Wis. Grain drills and seeders. 47,918; renewed Nov. 28, 1925.
Van Engers, Inc., Chicago, Ill. Candy. 205,949; Nov. 9; Serial No. 217,875; published Sept. 1, 1925.
Vereinigt Alumineum-Werke A.-G., Lautawerk, Germany. Aluminum and aluminum alloys. 205,707; Nov. 17; Serial No. 197,520; published Aug. 4, 1925.
Vinikow, J., doing business as Parisian Chocolate Co., Seattle, Wash. Candy. 205,954; Nov. 17; Serial No. 216,572; published Sept. 1, 1925.
Virginia-Carolina Rubber Company, Incorporated, Richmond, Va. Tire patches. 205,984; Nov. 17.
Walker-Turner Co., Inc., New York, N. Y. Hand drills, vises, wrenches, hammers, and jacks. 205,785; Nov. 17; Serial No. 215,720; published Aug. 18, 1925.
Walls, Lester R., Co. Incorporated, New York, N. Y. Cotton, silk, and artificial-silk piece goods. 205,794; Nov. 17; Serial No. 217,235; published Sept. 1, 1925.
Walnut Fruit Growers Association, Walnut, Calif. Oranges, lemons, grapefruit. 205,947; Nov. 17; Serial No. 217,435; published Sept. 1, 1925.
Walton, Oliver H., doing business as Charles Walton & Son, Needham, Mass. Hosiery. 205,996; Nov. 17.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Athletic and sports clothing. 205,987–91; Nov. 17.
Warin & Cie., Paris, France. Hair tonic, rouges, toilet water, etc. 205,779; Nov. 17; Serial No. 209,258; published June 23, 1925.
Wein Sales Corporation, Brooklyn, N. Y. Tire-valve insides, caps, and bodies. 205,790; Nov. 17; Serial No. 215,955; published Sept. 1, 1925.
Wexler Brothers, Chicago, Ill. Diamond rings. 205,875; Nov. 17; Serial No. 214,523; published Aug. 25, 1925.
Wheeler Condenser & Engineering Co., New York, N. Y., Wheeler Condenser & Engineering Co., Carteret, N. J. Evaporating and distilling apparatus. 48,409; renewed Dec. 26, 1925.
Whelan, Don B., doing business as The Whelan Chemical Company, Lincoln, Nebr. Insecticides. 205,967; Nov. 17.
White Frost Refrigerator Co. (See Metal Stamping Co.)
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 205,944; Nov. 17; Serial No. 217,650; published Sept. 1, 1925.
Wickwire Spencer Steel Company. (See Clinton Wire Cloth Co., assignor.)
Wilkins, Byron O., doing business as Lavender Toilet Co., Luxora and Jonesboro, Ark. Hairdressing. 205,828; Nov. 17; Serial No. 217,437; published Sept. 1, 1925.
Williams, Wilford M., assignor to W. M. Williams Company, Indianapolis, Ind. Washing preparation in a dry or powdered form. 48,818; renewed Jan. 16, 1926.
Willmann, William G.; Wm. G. Willmann Paper Co. Inc., New York, N. Y., successor. Writing paper. 47,443; renewed Nov. 7, 1925.
Windsor Ale Company. (See Goldstein, Louis.)
Winthrop Chemical Company, Inc., New York, N. Y. Soporific medicine. 205,699; Nov. 17; Serial No. 190,397; published Mar. 25, 1924.
Witt's Market House, Minneapolis, Minn. Butter, buttermilk, hams, bacon, and dressed poultry. 205,780; Nov. 17; Serial No. 208,211; published Sept. 1, 1925.
Wolf Company, The, New York, N. Y. Women's misses', and children's underwear, dresses, skirts, etc. 205,969; Nov. 17.
Woman's World Magazine Co., Inc., Chicago, Ill. Frocks. 205,748; Nov. 17; Serial No. 210,207; published Sept. 1, 1925.
Wooly-West Knitting Mills, Portland, Oreg. Knitted outerwear, athletic shirts, sweaters, knitted coats. 205,837; Nov. 17; Serial No. 215,496; published Sept. 1, 1925.
Zabriskie, Geo. A., assignor to W. B. Fair, New York, N. Y. Wheat flour. 48,469; renewed Jan. 2, 1926.
Zizianoff, Princess Ninn, doing business as Princess Z., New York, N. Y. Ladies' garments. 205,721; Nov. 17; Serial No. 212,708; published June 23, 1925.

# ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Ayer Company, The, Lowell, Mass. Cherry Pectoral. For a Cough Medicine. 29,479; Nov. 17.
Bosch Food Products Co., Peoria, Ill. Nuf Sed Malt Extract Hop Flavor Warranted To Keep In Any Climate. For Malt Extract. 29,480; Nov. 17.
Caroni Products Company, Inc., Brooklyn, N. Y. Gripene. For Liquid Patent Medicine. 29,481; Nov. 17.
Elder, E. & J., Co. Inc., New York, N. Y. J E C O Gold Leaf & Bronze Powders. For Gold Leaf and Bronze Powders. 29,482; Nov. 17.
Embossing Company, The, Albany, N. Y. Wonderwood. For Materials for Making Models of Flowers and Plants. 29,483; Nov. 17.
Eugene Fruit Growers Association, Eugene, Oreg. Ugene. For Canned Beets. 29,484; Nov. 17.
Gruenhagen's, San Francisco, Calif. Pocket Edition Candies. For Confectionery. 29,485; Nov. 17.
Henschel, C. B., Mfg. Co., Milwaukee, Wis. Roy-El. For Cigars. 29,486; Nov. 17.
Hills, Earl T., doing business as The Renova Manufacturing Company, Seattle, Wash. Renova. For a Carpet and Clothes Cleaning Renovating Fluid. 29,487; Nov. 17.
Katnips Inc., Providence, R. I. Katnips. For Toys. 29,488; Nov. 17.
Le Card, Caryl, New York, N. Y. Carolchromes. For Tinted Photographs. 29,489; Nov. 17.
Mammoth Spring Canning Co., Templeton, Wis. Marquette. For Peas. 29,490; Nov. 17.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Nesbit-Bollen Company, Pittsburgh, Pa. Nebo. For Butter. 29,491; Nov. 17.
Miles, Norman L., doing business as N. L. Miles Co., St. Paul, Minn. Injun Arrows. For Candy. 29,492; Nov. 17.
Monroe Calculating Machine Company, New York, N. Y. The Machine That Makes Figures Tell The Truth. For Calculating Machines. 29,493; Nov. 17.
Nesbit-Bollen Company. (See Menasha Printing and Carton Company, assignor.)
Old Fashion Mill Inc., The, Portland, Oreg. Old Fashion. For Whole-Wheat Granules. 29,494; Nov. 17.
Porter, Daniel L., Orange, Va. Porter's Orange County Virginia Cured Ham. For Cured Hams. 29,495; Nov. 17.
Pratt-Low Preserving Company, Santa Clara, Calif. Chimes. For Canned Asparagus. 29,496; Nov. 17.
Renova Manufacturing Company, The. (See Hills, Earl T.)
Reynolds Spring Company, Jackson, Mich. Reynolite Masterpiece Molded Three-Gang Wall Plate. For Molded Three-Gang Wall Plates. 29,497; Nov. 17.
Reynolds Spring Company, Jackson, Mich. No. 500 Universal Heater Connector. For Universal Heater Connecters. 29,498; Nov. 17.
Reynolds Spring Company, Jackson, Mich. No. 600 Heater Cord Set. For Heater-Cord Sets. 29,499; Nov. 17.
Reynolds Spring Company, Jackson, Mich. Reynolite Molded Two-Gang Wall-Plate. For Molded Two-Gang Wall Plates. 29,500; Nov. 17.
Reynolds Spring Company, Jackson, Mich. Reynolite Masterpiece Molded Two-Gang Wall-Plate. For Molded Two-Gang Wall Plates. 29,501; Nov. 17.
Reynolds Spring Company, Jackson, Mich. Reynolite Masterpiece Molded Wall Plate. For Molded Single-Gang Wall Plates. 29,502; Nov. 17.
Reynolds Spring Company, Jackson, Mich. Reynolite Molded Single Gang Wall Plate. For Molded Single-Gang Wall Plates. 29,503; Nov. 17.
Reynolds Spring Company, Jackson, Mich. Reynolite Masterpiece Single Gang Wall Plate. For Molded Single-Gang Wall Plates. 29,504; Nov. 17.
Reynolds Spring Company, Jackson, Mich. No. 360 Three Way Combination Plug. For Three-Way Combination Plugs. 29,505; Nov. 17.
Reynolds Spring Company, Jackson, Mich. No. 340 Three Way Angle Plug Combination. For Three-Way Angle Plug Combinations. 29,506; Nov. 17.



Reynolds Spring Company, Jackson, Mich. No. 240 Two Way Angle Plug Combination. For Two-Way Angle-Plug Combinations. 29,507; Nov. 17.
Reynolds Spring Company, Jackson, Mich. No. 110 Appliance Cord Switch. For Appliance Cord Switches. 29,508; Nov. 17.
Reynolds Spring Company, Jackson, Mich. Reynolite Masterpiece Molded Single Gang Wall Plate. For Molded Single-Gang Wall Plates. 29,509; Nov. 17.
Reynolds Spring Company, Jackson, Mich. Reynolite Molded Three-Gang Wall Plate. For Molded Three-Gang Wall Plates. 29,510; Nov. 17.
Schurmann, W. A., & Company, Chicago, Ill. Golden Best Brand Selected Eggs. For Eggs. 29,511; Nov. 17.
Silva Beauchamp, Ralph A., Philadelphia, Pa. Genuine Porto Rican Coffee. For Coffee. 29,512; Nov. 17.
South Bend Watch Company, South Bend, Ind. Geneva A Mainsprings. For Mainsprings. 29,513; Nov. 17.
Spooner, Inc., New York, N. Y. Narcisses. For Talcum Powder. 29,514; Nov. 17.
Standard Veterinary Products Co., Inc., Philadelphia, Pa. Standard Odor Improved Mange Medicine. For Mange Medicine. 29,515; Nov. 17.
Sutherland Paper Company, Kalamazoo, Mich. Spring Valley. For Butter. 29,516; Nov. 17.
Sutherland Paper Company, Kalamazoo, Mich. Sweet Cream Dairy Butter. For Butter. 29,517; Nov. 17.
Tuolumne Apple Growers' Association, Sonoyville, Calif. Sun Red Brand Fancy Tuolumne Mountain Apples. For Apples. 29,518; Nov. 17.
Valley Packing Corporation, Monrovia, Calif. Tres Palmas. For Fresh Dates. 29,519; Nov. 17.
Whitman, Stephen F., & Son, Inc., doing business as Whitman's, Philadelphia, Pa. Pink of Perfection. For Candy. 29,520; Nov. 17.

# ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Adler, Jacob, & Co., Inc., doing business as Adlers, New York, N. Y. Pardon My Glove. For Gloves. 8,318; Nov. 17.
Barbasol Company, The, doing business as Barbasol Pharmaceutical Laboratories, Indianapolis, Ind. Baralgin. For Pharmaceutical Preparation for Relieving Pain. 8,319; Nov. 17.
Cream of Wheat Co., Minneapolis, Minn. Free to Teachers An Attractive Chart On Correct Diet For Children. For Wheat Breakfast Food. 8,320; Nov. 17.
Cream of Wheat Co., Minneapolis, Minn. Why Baby Specialists use Cream of Wheat. For Wheat Breakfast Food. 8,321; Nov. 17.
Cream of Wheat Co., Minneapolis, Minn. Banished! Those "Teen Age" Morning Blues! With A Good Hot Breakfast To Renew The Energy Supply. For Wheat Breakfast Food. 8,322; Nov. 17.
Cream of Wheat Co., Minneapolis, Minn. "Not One Man in Ten Thousand Feeds Himself Properly" Says Samuel G. Blythe. For Wheat Breakfast Food. 8,323; Nov. 17.
Eclipse Products Company. (See Talbot, William P.)
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. George Washington's Coffee Grinder. For Coffee. 8,324; Nov. 17.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. A Famous Coffee House of Boston. For Coffee. 8,325; Nov. 17.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. A Coffee Grinder—Set With Jewels. For Coffee. 8,326; Nov. 17.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Paul Revere Patriot And Silversmith. For Coffee. 8,327; Nov. 17.
Goldman, Julian, Stores, Inc., The, New York, N. Y. They Say I Am Changing The Entire Clothing Business of the Country. For Clothing. 8,328; Nov. 17.
Goldman, Julian, Stores, Inc., The, New York, N. Y. Let my new way save you up To 35% On Clothing. For Clothing. 8,329; Nov. 17.
Goldman, Julian, Stores, Inc., The, New York, N. Y. They said it couldn't be done. For Clothing. 8,330; Nov. 17.
Goldman, Julian, Stores, Inc., The, New York, N. Y. Thousands are saving money Now Buy Your Clothing, Too, On The Great New Julian Goldman Plan. For Clothing. 8,331; Nov. 17.
Goldman, Julian, Stores, Inc., The, New York, N. Y. Study these prices. For Clothing. 8,332; Nov. 17.
Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. The Best Tire Buy on the Market Good—wingfoot—Year Balloons. For Tires Composed Wholly or in Part of Rubber. 8,333; Nov. 17.
Lansburgh, J. J., & Co., Baltimore, Md. J. J. Lansburgh Co. Fish Oysters. For Fresh and Frozen Fish and Salt-Water Oysters. 8,334; Nov. 17.
Marlowe, J. F., doing business as J. F. Marlowe & Company, Memphis, Tenn. The Silent Coal Salesman. For Coal. 8,337; Nov. 17.
McCormick & Company, Baltimore, Md. Banquet Tea For Tea. 8,335; Nov. 17.
McCormick & Company, Baltimore, Md. Bee Brand Insect Powder. For Insect Powder. 8,336; Nov. 17.
New Mix Products, Inc., New York, N. Y. New-Mix. For Dentifrices. 8,338; Nov. 17.
Reid, Murdoch & Co., Chicago, Ill. Under 4 Seals. For Coffee. 8,339; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. When That Fine Edge of Gum Tissue Breaks Down—Then And Only Then Can You Have Pyorrhea (51-ET-1925). For Dental Cream. 8,340; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Truly Beautiful Women Are Aware Of These Things. For Dental Cream. 8,341; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. When That Fine Edge Of Gum Tissue Breaks Down—Then And Only Then Can You Have Pyorrhea (51-ES-1925). For Dental Cream. 8,342; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Only Proper Care at the Danger Line Can Protect Your Teeth From Acid Decay and Prevent Pyorrhea. For Dental Cream. 8,343; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. The Truth About Pyorrhea. For Dental Cream. 8,344; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Your Tooth-Brush Can Only Go So Far—After That It Is Up To Your Dentifrice. For Dental Cream. 8,345; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Sound Second Teeth Depend On Proper Care Of First Teeth At The Danger Line. For Dental Cream. 8,346; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. How To Guard Your Teeth From Acid Decay And Your Gums From Pyorrhea. For Dental Cream. 8,347; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Watch Out For Pyorrhea At The Danger Line. For Dental Cream. 8,348; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Squibb's Milk of Magnesia is entirely free from earthy, Alkaline Taste. For Milk of Magnesia. 8,349; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. When Something Sweet. For Dental Cream. 8,350; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. They had Just Given Jonny A Spoonful. For Castor Oil. 8,351; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. How Often Do You Use Bicarbonate Of Soda? For Bicarbonate of Soda. 8,352; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Dangerous Acids. For Dental Cream. 8,353; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Fermenting Foods. For Dental Cream. 8,354; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Dangerous Irritation. For Dental Cream. 8,355; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. It is easier to take Squibb's Epsom Salt. For Epsom Salt. 8,356; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Children Thrive on these Vitamins. For Cod-Liver Oil. 8,357; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. In Tiny V-shaped Crevices. For Dental Cream. 8,358; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Acid Decay, Which Is Most Difficult To Control, Occurs At The Danger Line Between Your Teeth. For Dental Cream. 8,359; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Sensitive Teeth Are A Warning. For Dental Cream. 8,360; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Where Food Ferments. For Dental Cream. 8,361; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. As Pure As Squibb's. For Bicarbonate of Soda. 8,362; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. You Can't Scour Away The Acids In The Mouth. For Dental Cream. 8,363; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Standardising a Dentifrice. For Dental Cream. 8,364; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. What you Should Know About Your Teeth And Gums To Guard Against Decay And Pyorrhea. For Dental Cream. 8,365; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Sweet Things. For Dental Cream. 8,366; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. These Things May Injure. For Dental Cream. 8,367; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. $25,000.00 in 508 Cash Awards! Great Squibb Educational Contest Will Bring Thousands Of People Into Squibb Week Druggists' Stores. For Dental Cream. 8,368; Nov. 17.
Talbot, William P., doing business as Eclipse Products Company, New York, N. Y. Eclipse Watch Protector. For Watch Protectors. 8,369; Nov. 17.
Talbot, William P., doing business as Eclipse Products Company, New York, N. Y. Eclipse Necktie Holder. For Necktie Holders. 8,370; Nov. 17.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A-B Stove Company, Battle Creek, Mich. Gas ranges. 220,092; Nov. 17.

Abouchar & Co., New York, N. Y. Linen piece goods. 214,836; Nov. 17.

Abrash, George, New York, N. Y. Silk piece goods. 219,467; Nov. 17.

Actinium Developments Limited, London, England. Preparation for the prevention or removal of scale from boilers, etc. 214,637; Nov. 17.

Adam, J. N., & Co., Buffalo, N. Y. Silk piece goods. 218,[illegible]; Nov. 17.

Aeroslide Company, The, Waukesha, Wis. Porch shades. 219,704; Nov. 17.

Aljo Manufacturing Co., The. (See Malchow, Frederick.)

Allen and Lowry, Big Spring Tex. Liniment for the treatment of rheumatism. 218,036; Nov. 17.

Allen Soap Company, The, Chicago, Ill. Cleaner. 219,022; Nov. 17.

Alton Mercantile Company, Enid, Okla. Coffee. 218,726; Nov. 17.

American Casul Company. (See Knudsen, Carl B.)

American Crayon Company, The, Sandusky, Ohio. Paper-wrapped pencils, crayons, and pencils. 198,553; Nov. 17.

Appleton Coated Paper Company, The, Appleton, Wis. White shelf paper. 216,447; Nov. 17.

Armand Company, The, Des Moines, Iowa. Cleansing cream. 214,229; Nov. 17.

Aron, J., & Company, Inc., New York, N. Y. Coffee. 219,518; Nov. 17.

Artisti-Kote Company, Upper Darby, Philadelphia, Pa. Stucco. 221,157; Nov. 17.

Atlas Asbestos Company, North Wales, Pa. Ford transmission lining. 201,319; Nov. 17.

Auto Truck Industrial Appliances, Inc., New York, N. Y. Autotruck apparatus. 220,881; Nov. 17.

B. H. B. Laboratories, Lubbock, Tex. Preparation for use in the treatment of the scalp, eczema, barber's itch, etc. 221,657; Nov. 17.

Babcock, A. P., Company, New York, N. Y. Face powders, face creams, rouges, hair tonics, etc. 219,868; Nov. 17.

Ballantyne, James C., Lamoni, Iowa. Salves. 217,916; Nov. 17.

Bamberger, L., & Company, Newark, N. J. Household furniture. 204,295; Nov. 17.

Barbour, Perley E., doing business as Barbour Welting Company, Montello Station, Brockton, Mass. Welting for fine shoes. 220,060; Nov. 17.

Barbour, Perley E., doing business as Barbour Welting Company, Montello Station, Brockton, Mass. Welting for boots and shoes. 220,838; Nov. 17.

Barker, A. E., & Co., of Calif., Los Angeles, Calif. Fresh vegetables. 217,062; Nov. 17.

Barnes, Ross M., doing business at Barnes FacEase Co., Galveston, Tex., and Tulsa, Okla. Face lotion. 217,886; Nov. 17.

Barrett Blue Blaze Burner Co., Inc., Keyport, N. J. Oil burners. 219,469; Nov. 17.

Bay State Fishing Company, Boston, Mass. Fillets, finnan haddie, fish flakes, etc. 219,321; Nov. 17.

Beatty, Bertha M., doing business as Big "6" Poultry Supply, Warren, Ohio. Remedy for the treatment of the diseases of poultry. 219,107; Nov. 17.

Bendix & Fiber, Inc., New York, N. Y. Silk, artificial silk, and mixtures of silk, cotton, and wool piece goods. 216,497; Nov. 17.

Bennett Printing Company, Paris, Tex. Writing and printing paper and bank-check paper. 219,025; Nov. 17.

Benson, William A., St. Louis, Mo. Liquid preparation for impure blood, scrofula, etc., and a liniment for sprains, blood remedy, etc. 219,799; Nov. 17.

Big Bill Bottling Company, Winston-Salem, N. C. Glass bottles. 203,304; Nov. 17.

Big "6" Poultry Supply. (See Beatty, Bertha M.)

Boardman, William, & Sons, Co., The, Hartford, Conn. Coffee, flavoring extracts for food, and spices. 218,047; Nov. 17.

Boldne Bros., Boston, Mass. Polish for windshields, painted surfaces, metals, etc. 221,300; Nov. 17.

Boney & Harper Milling Company, Inc., Wilmington, N. C. Table meal, choice grits, and hominy feed. 219,220; Nov. 17.

Bradley, C. Goodwin, Incorporated, Syracuse, N. Y. Spring oilers. 220,595; Nov. 17.

Breier's, Marcus, Sons, New York, N. Y. Shirts and blouses. 215,045; Nov. 17.

Bruckner's, Albert, Sons, Jersey City, N. J. Dolls. 220,700; Nov. 17.

Budd, Edwin R., Cleveland, Ohio. Preparation for the treatment of asthma, hay fever, and catarrh. 217,006; Nov. 17.



Burnett, Joseph, Company, Boston, Mass. Spice. 218,536; Nov. 17.

C. P. Chemical & Drug Co., Inc., New York, N. Y. Pharmaceutical preparations for human use and veterinary purposes. 198,937; Nov. 17.

Calhoun, William R., doing business as Red Chief Rubber Company, Fort Worth, Tex. Inner tubes for tires. 206,939; Nov. 17.

California Bleaching Water Co., San Francisco, Calif. Bleaching water. 221,406; Nov. 17.

California Packing Corporation, San Francisco, Calif. Dried fruits. 214,352; Nov. 17.

Caplan, Sidney, doing business as Sid's Remedy Co., Chicago, Ill. Remedy used in the treatment of rheumatism. 215,133; Nov. 17.

Carbonell y Cia, Cordoba, Spain. Olive oils. 217,182; Nov. 17.

Carpenter, Geo. B., & Co., Chicago, Ill. Awnings. 219,376; Nov. 17.

Carvell, William F., Wilmington, Del. Gasoline. 217,208; Nov. 17.

Champagne, Mrs. Eraste, Lafayette, La. Ointment for the treatment of piles. 221,597; Nov. 17.

Cheramy, Inc., New York, N. Y. Toilet soaps and shaving creams. 220,446; Nov. 17.

Cheramy, Inc., New York, N. Y. Perfumes, toilet water, face powder, rouge, bath salts, etc. 220,448; Nov. 17.

Cit-Rhu Mfg. Co. (See Massion, John M.)

Clayton, John M., doing business as Red Seal Auto Top Dressing Co., Haverhill, Mass. Auto top dressing. 221,049; Nov. 17.

Cleveland Liner & Manufacturing Co., The, Cleveland, Ohio. Paper for handling uncured rubber. 218,796; Nov. 17.

Clover Leather Goods Co., Inc., New York, N. Y. Hand receptacles. 219,325; Nov. 17.

Cochran, Eugene S., Washington, D. C. Pineapples, coffee, and fresh vegetables and fruits, etc. 149,888; Nov. 17.

Cokal Stoker Corporation, Chicago, Ill. Coal furnaces. 219,274; Nov. 17.

Collier, Simon, Limited, Northampton, England. Boots and shoes. 219,015; Nov. 17.

Commonwealth Steel Company, St. Louis, Mo. Locomotive beds, cradles, end sills, pilot beams, etc. 218,052; Nov. 17.

Cook-Taylor Co., Inc., Fall River, Mass. Band-tying tools and weights for textile machines. 214,648; Nov. 17.

Corning Oil Company, Inc., New York, N. Y. Lubricating oils and greases. 208,044; Nov. 17.

Creighton, Albert M., Lynn, Mass. Shoes. 220,705; Nov. 17.

Davis, Wm. H., Media, Pa. Mechanic hand soap. 219,112.

Desmond Clothing Company, Los Angeles, Calif. Men's and boys' suits, knickers, ties, etc. 215,058; Nov. 17.

Doherty, J. C., Acampo, Calif. Fresh grapes, cherries, and plums. 218,542; Nov. 17.

Donnelly, William A., Philadelphia, Pa. Hams, bacon, dried beef, fresh meats, dressed poultry, butter, and eggs. 218,107; Nov. 17.

Doubleday, Page & Co., Garden City, N. Y. Monthly magazine. 218,012; Nov. 17.

Downs, George E., doing business as Vio-Scent Sweets Co., Newark, N. J. Candy. 219,419; Nov. 17.

Duarte-Monrovia Citrus Association, Duarte, Calif. Oranges, lemons, and grapefruit. 219,819; Nov. 17.

Durable Petticoat Co., New York, N. Y. Silk bloomers and princess slips. 220,943; Nov. 17.

Durable Rubber Corporation, Detroit, Mich. Shoe heels. 210,368; Nov. 17.

Edwards, Arthur O., Minneapolis, Minn. Teeters, slides, and whirligigs. 220,768; Nov. 17.

Eesley, J. F., Milling Co., Plainwell, Mich. Corn meal and flour. 220,512; Nov. 17.

Endicott Johnson Corporation, Endicott, N. Y. Rubber and leather shoes. 218,123; Nov. 17.

Erhard & Söhne, A. G., Gmund, Germany. Boxes, card trays, watch stands, etc. 218,614–5; Nov. 17.

Essinger, E. C., Chicago, Ill. Display or show case for merchandise. 219,620; Nov. 17.

Exchange Orange Products Company, The, San Dimas, Calif. Orange Drink. 21,174; Nov. 17.

Farmville Lithia Springs Company. (See Thackston, Richard D.)

Faurant, Jean, Paris, France. Cigarette paper. 221,359; Nov. 17.

Fenton's, Dr., Vigor-Tone Co. Inc., Cedar Rapids, Iowa. Ration-balancing preparation for livestock feed. 220,712; Nov. 17.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Fidler, Charles E., Kankakee, Ill. Insecticides. 221,360; Nov. 17.

Field, Allen J., doing business as A. J. Field Paint Company, Newark, N. J. Mixed paint, paint enamels, pigments in oil (paste), and varnishes. 219,115–17; Nov. 17.

Filippone, B., & Co., Passaic, N. J. Olive oil. 220,020; Nov. 17.

Flint-Rock Stucco Company, The, Ingomar and Dayton, Ohio. Stucco and plaster. 217,926; Nov. 17.

Fluegelman, N., & Co., Inc., New York, N. Y. Silk and cotton fabric. 215,297; Nov. 17.

Foothill Groves, Yorba Linda, Calif. Fresh oranges, lemons, and grapefruit. 212,909; Nov. 17.

Ford, J. B., Company, The, Wyandotte, Mich. Concentrated ash and tanner's alkali. 220,224; Nov. 17.

Forrester, John D., Kansas City, Mo. Asphalt, hydraulic cement, hydrated lime, etc. 218,910; Nov. 17.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 217,606–9; Nov. 17.

Forter, C. B., Packing Co., Inc., Biloxi, Miss. Canned shrimp and canned oysters. 218,003; Nov. 17.

Four Square Underwear Co., Olney, Ill. Men's union suits, drawers, nightshirts, and pyjamas. 220,605; Nov. 17.

Frankenfield, Leo, Hoboken, N. J. Exercising apparatus. 215,204; Nov. 17.

Franklin Simon & Co., Inc., New York, N. Y. Perfumes, bath salts, cold creams, etc. 212,432; Nov. 17.

Fried, Mendelson & Company, New York, N. Y. Silk, cotton, and silk and cotton mixture piece goods. 204,899; Nov. 17.

Glessner Company, The, Findlay, Ohio. Cough and croup remedy. 220,521; Nov. 17.

Good Roads Machinery Company, Inc., The, Kennett Square, Pa. Rock crushers, elevators, screens, drags, etc. 221,006; Nov. 17.

Gorham Mfg. Company, Providence, R. I. Silver polish. 220,772. Nov. 17.

Grau, Mrs. Thea, doing business as Mme. Thea, New York, N. Y. Cleansing cream, face lotion, astringent cream, facial paste, and nutrient cream. 217,804; Nov. 17.

Great Northern Fur Dyeing and Dressing Company. (See Pierini, Attilio.)

Great Six Overalls, Inc., Winona, Minn. Overalls and one-piece work suits. 220,211; Nov. 17.

Gutierres, Antonio, New York, N. Y. Cigars, cigarettes, and smoking tobacco. 220,654; Nov. 17.

Haco Gesellschaft A.-G. Bern, Gumligen, Switzerland. Condiments, sauces, bouillon cubes, and soup tablets. 208,810; Nov. 17.

Haines, Harry L., doing business as H. L. Haines & Company, Red Lion, Pa. Cigars. 220,454; Nov. 17.

Hall, James H., Chicago, Ill. Preparation for the treatment of eczema, varicose veins, etc. 221,057; Nov. 17.

Harmony Creamery Company, Pittsburgh, Pa. Milk, buttermilk, and cream. 208,654–5; Nov. 17.

Heine & Co., New York, N. Y. Essential oils suitable for perfumery purposes. 218,510; Nov. 17.

Heine & Co., New York, N. Y. Essential oils suitable for perfumery purposes. 221,487; Nov. 17.

Heller, George W., Inc., New York, N. Y. Vests. 220,609; Nov. 17.

Hemingway & Company, Inc., Boundbrook, N. J. Poison for the potato bug, cotton worm, and canker worm, etc. 221,178; Nov. 17.

Hidalgo Medicine Company, Inc., Los Angeles, Calif. Preparation for the blood. 221,258; Nov. 17.

Hind & Harrison Plush Company, The, Clark Mills and New York, N. Y. Labels and tags. 218,121; Nov. 17.

Hirsch, Herbert S., Brooklyn, N. Y. Devices adapted to be sewed on the inside of trouser waistbands to engage with a shirt. 217,514; Nov. 17.

Hoffner, James T. S., doing business as O-Che-Co Chemical Co., Glenside, Pa. Face powders, face creams, rouges, perfumes, bath salts, etc. 221,319; Nov. 17.

Holley, Chas. E., doing business as Holley Realty Company., Bessemer, Ala. Bricks. 220,025; Nov. 17.

Hood Rubber Company, Watertown, Mass. Rubber heels, soles, boots, shoes, overshoes, and canvas shoes. 215,981; Nov. 17.

Horsman, E. I., Co. Inc., New York, N. Y. Dolls. 221,014; Nov. 17.

I. & G. Soap Works, Brooklyn, N. Y. Powdered soap. 221,322; Nov. 17.

India Alkali Works, Boston, Mass. Preparations for removing paint and varnish, removing wax from floors, etc. 217,711; Nov. 17.

Jackson, Theodore S., doing business as Jackson Pharmacal Co., Rockford, Ill. Laxative. 216,464; Nov. 17.

Jones, Howard E., & Co., Baltimore, Md. Canned vegetables. 214,552; Nov. 17.

Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Toilet soap and shaving powder. 220,720; Nov. 17.

Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Toilet soap and shaving powder. 220,722–3; Nov. 17.

Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Toilet soap and shaving powder. 220,725; Nov. 17.

Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Toilet soap and shaving powder. 220,726; Nov. 17.

Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Toilet soap and shaving powder. 220,728; Nov. 17.

Keen, Robinson & Company Limited, London, England. Barley. 210,125; Nov. 17.

Kintz, Roslyn E., Terre Haute, Ind. Nail white, nail cleaner, hair restorer, and facial make-up cream. 219,286; Nov. 17.

Knapp, David R., Philadelphia, Pa. Cleaning compound. 216,980; Nov. 17.

Knickerbocker Chocolate Co., New York, N. Y. Sweet milk chocolate. 210,847; Nov. 17.

Knudsen, Carl B., doing business as American Casul Company, Philadelphia, Pa. Remedy for boils. 220,192; Nov. 17.

Kona Coffee Company, The, Honolulu, Hawaii. Coffee. 218,705; Nov. 17.

Kummer, Upmann & Company, New York, N. Y. Cotton, silk, wool, and mixtures thereof piece goods. 219,248; Nov. 17.

Lancaster Vinegar Co. (See Ransing, E. A., Sons.)

Leonard & Barrows, Middleboro and Boston, Mass. Leather shoes. 220,347; Nov. 17.

Les Parfumes des Courtisanes. (See Martinat, Jean.)

Levy, E. S., & Company, Galveston, Tex. Leather shoes. 215,157; Nov. 17.

Lexington Coffee Company, Lexington, Ky. Coffee. 211,171; Nov. 17.

Lilly, Eli, & Company, Indianapolis, Ind. Medicine or pharmaceutical preparation. 221,070; Nov. 17.

Little Crow Milling Company, Warsaw, Ind. Buckwheat and wheat flour, pancake flour, and wheat flour. 220,548; Nov. 17.

Loomis, W. H., Talc Corporation, Gouverneur, N. Y. Special talc used primarily in waterproofing and strengthening concrete. 219,592; Nov. 17.

Lord & Taylor, New York, N. Y. Corsets. 220,662; Nov. 17.

Losee, Annie M., Glens Falls, N. Y. Liniment. 220,290; Nov. 17.

Louisville Bedding Company, Louisville, Ky. Mattresses and pillows. 216,841; Nov. 17.

Malchow, Frederick, doing business as The Aljo Manufacturing Co., New York, N. Y. Dyes and colors. 218,072; Nov. 17.

Maline Mills Company, The, Winston-Salem, N. C. Knit underwear. 204,918; Nov. 17.

Maronde, Frank R., Chicago, Ill. Laundry soap. 220,731; Nov. 17.

Martinat, Jean, doing business as Les Parfumes des Courtisanes, New York, N. Y. Face powders, face creams, perfumes, rouges, hair tonics, etc. 221,127; Nov. 17.

Martoccio, F. A., Company, Minneapolis, Minn. Candy bars. 218,517; Nov. 17.

Massion, John M., doing business as Cit-Rhu Mfg. Co., McKees Rocks, Pa. Compound for rheumatism, kidney, liver, and bladder trouble, constipation, etc. 210,738; Nov. 17.

Mead, Sidney A., Oakland, Calif. Automobile polish. 218,014; Nov. 17.

Mettler Fruit Co., Shafter, Calif. Fresh deciduous fruits and fresh grapes. 216,922; Nov. 17.

Metz, H. A., Laboratories, Inc., New York, N. Y. Dietetic preparation for diabetic patients. 221,327; Nov. 17.

Micke, W. G., Lodi, Calif. Fresh grapes. 208,250; Nov. 17.

Mid-Central Fish Company, Kansas City, Mo. Catchup, pickles, fish, olives, etc. 215,469; Nov. 17.

Miller, Alberta, doing business as Wizard Products Co., Elizabethtown, Ky. Cleaning compound. 215,871; Nov. 17.

Miller Company, The, Meriden, Conn., and New York, N. Y. Glass globes and reflectors. 203,738; Nov. 17.

Milwaukee Vinegar Co. (See Red Star Yeast and Products Company.)

Mitchell & Dillon Coal Company, Chicago, Ill. Coal. 219,675; Nov. 17.

Mme. Thea. (See Grau, Mrs. Thea.)

Mulford, H. K., Company, Philadelphia, Pa. Antiseptic nasal emollient. 221,189; Nov. 17.

Mulford, H. K., Company, Philadelphia, Pa. Aromatic milk of magnesia—Mulford. 221,190; Nov. 17.

Mulford, H. K., Company, Philadelphia, Pa. Laxative tablet. 221,191; Nov. 17.

Mulford, H. K., Company, Philadelphia, Pa. Antispasmodic and nerve sedative. 221,192; Nov. 17.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

National Department Stores Inc., New York, N. Y. Suits and coats for men and boys, dresses and coats for women, hosiery, gloves, etc. 200,517; Nov. 17.
National Fish Co. Ltd., Halifax, Nova Scotia, Canada. Fresh and cured fish. 218,988; Nov. 17.
Neal, Hardy F., doing business as Neal Manufacturing Company, Inc., New York, N. Y. Self-operating baseball games. 221,072; Nov. 17.
Nelson Knitting Company, Rockford, Ill. Hosiery. 199,294–5; Nov. 17.
Never Leak Rubber Paint Company, Shreveport, La. Paint. 217,229; Nov. 17.
Newman, H., Co., New York, N. Y. Caps. 219,984; Nov. 17.
New-York Hamburger Gummi-Waaren Compagnie, Hamburg, Germany. Combs, hairpins, hair buckles, and hair clasps. 214,433; Nov. 17.
Nobility Gloves, Inc., New York, N. Y. Gloves. 202,563; Nov. 17.
Northern Pacific Railway Company, St. Paul, Minn. Booklets, circulars, and pamphlets. 219,986; Nov. 17.
Norton Company, Worcester, Mass. Aluminous abrasive grains, abrasive stones, grinding wheels, and crystalline alumina. 218,867–8; Nov. 17.
O-Che-Co Chemical Co. (See Hoffner, James T. S.)
Oconomowoc Canning Co., Oconomowoc, Wis. Canned peas. 219,905; Nov. 17.
Ohio Brass Company, The, Mansfield, Ohio. Valves. 220,793; Nov. 17.
Ormont Drug & Chemical Co., Inc., Long Island City, N. Y. Antiseptic dentifrice. 221,199; Nov. 17.
Ormont Drug & Chemical Co., Inc., Long Island City, N. Y. Toilet powder. 221,201; Nov. 17.
Oster Manufacturing Company, The, Cleveland, Ohio. Diestocks. 218,017; Nov. 17.
Pacific Lime & Plaster Co., San Francisco, Calif. Hydrated lime. 221,276; Nov. 17.
Palmer, Russell, New York, N. Y. Annual publication. 218,572; Nov. 17.
Palmer, Solon, New York, N. Y. Perfumes. 221,333; Nov. 17.
Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Lubricating oils and greases. 220,356; Nov. 17.
Parfumerie Roger & Gallet, Paris, France. Toilet preparations and perfumery. 199,084–6; Nov. 17.
Pearls of the Pacific Company. (See Raymond, Charles M.)
Pierini, Attilio, doing business as Great Northern Fur Dyeing and Dressing Company, Springfield Gardens, N. Y. Skins and pelts. 218,042; Nov. 17.
Potter Confectionery Co., Cambridge, Mass. Candy. 219,139; Nov. 17.
Pray, J. Parker, Inc., New York, N. Y. Nail polish. 221,376; Nov. 17.
Preo, Richard A., Brooklyn, N. Y. Cleaning compound. 219,086; Nov. 17.
Purafect Products Co. (See Weinstein, Harry.)
Queerpin Co., The, North Augusta, S. C. Medicine for tuberculosis. 221,566; Nov. 17.
Quintero, Joseph H., Paris, France. Perfume, toilet water, face powder, bath salts, rouges, etc. 221,377; Nov. 17.
Ransing, E. A., Sons, doing business as Lancaster Vinegar Co., Lancaster, Pa. Sauerkraut. 215,220; Nov. 17.
Rath, Emil, doing business as Vial & Uhlmann, Frankfort-on-the-Main, Germany. Medicinal and hemorrhoidal preparations. 200,961; Nov. 17.
Raymond, Charles M., doing business as Pearls of the Pacific Company, San Francisco, Calif. Preserved fruits, jams and jellies, nuts, etc. 219,349; Nov. 17.
Red Chief Rubber Company. (See Calhoun, William R.)
Red Seal Auto Top Dressing Co. (See Clayton, John M.)
Red Star Yeast and Products Company, doing business as Milwaukee Vinegar Co., Milwaukee, Wis. Vinegar. 220,873; Nov. 17.
Republic Tool Products Co., The, Dayton, Ohio. Mechanical toys. 217,581; Nov. 17.
Rice-Stix Dry Goods Company, St. Louis, Mo. Overalls, pants, shirts, underwear, etc. 219,306; Nov. 17.
Rosenthal, Simon, doing business as Wholesale Brokerage Co., New York, N. Y. Epsom salts, castor oil, tincture of iodine, borax, etc. 206,495; Nov. 17.
Russell Manufacturing Company, The, Middletown, Conn. Transmission bands for automobiles. 220,576; Nov. 17.
S. L. Products Company, Philadelphia, Pa. Compounds for polishing and protecting surfaces. 214,976; Nov. 17.
Safety Air Brake Company, Philadelphia, Pa. Air brakes and parts thereof. 215,766; Nov. 17.
Sawyer Shoe Co., Inc., New York, N. Y. Shoes for men, boys, and youths. 200,013; Nov. 17.
Schilling, A., & Co., San Francisco, Calif. Coffee. 173,728; Nov. 17.
Schmidt, Carl E., and Company, Inc., Detroit, Mich. Leather. 219,206; Nov. 17.
Seaboard Crystal Company, New York, N. Y. Cleansing compound. 218,577; Nov. 17.
Seattle Paint Company, Seattle, Wash. Paints, paint enamels, stains, varnishes, and lacquers. 211,951; Nov. 17.
Shaffer, Cleve T., San Francisco, Calif. Net game similar to tennis. 220,039; Nov. 17.
Shelby Gum Co., The, Shelby, Ohio. Chewing gum. 217,867; Nov. 17.
Sid's Remedy Co. (See Caplan, Sidney.)
Silverite Co., The, Boston, Mass. Heel cushions. 214,763; Nov. 17.
Sloane, W. & J., Manufacturing Company, Trenton, N. J. Linoleums. 217,637; Nov. 17.
Smidth, F. L., & Co., New York, N. Y. Linings for tube mills. 220,976; Nov. 17.
Spray Paint Company, Chicago, Ill. Prepared liquid paints. 220,040; Nov. 17.
Squibb, E. R., & Sons, New York, N. Y. Hypnotic. 221,210; Nov. 17.
Sterling Remedy Company, Jersey City, N. J. Medicine for tobacco habit and chronic constipation. 220,327; Nov. 17.
Stevens, Joseph W., New York, N. Y. Substance for use in the treatment of syphilis. 211,722; Nov. 17.
Stevens, Lee, and Pearson Bros., El Centro, Calif. Fresh lettuce, asparagus, and cantaloupes. 218,435; Nov. 17.
Stockland Road Machinery Co., Minneapolis, Minn. Road-grading machines. 220,744–5; Nov. 17.
Strombeck-Becker Manufacturing Company, Moline, Ill. Toy blocks. 221,035; Nov. 17.
Sunglow Company, The, New York, N. Y. Furniture polish. 220,483; Nov. 17.
Swanson Brothers, Chicago, Ill. Coffee. 218,842; Nov. 17.
Tashmoo Springs Water Co., Vineyard Haven, Mass. Mineral-spring water, ginger ale, root beer, etc. 221,144; Nov. 17.
Texas Portland Cement Co., Dallas, Tex. Portland cement. 213,809; Nov. 17.
Thackston, Richard D., doing business as Farmville Lithia Springs Company, Farmville, Va. Lithia water. 221,391; Nov. 17.
Thompson, Henry C., Hartford, Conn., assignor to The Thompson Specialties, Inc., Springfield, Mass. Oils and greases. 205,251; Nov. 17.
Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Oil used in the treatment of woolen fabrics. 221,218; Nov. 17.
Tiffany, L. W. Winsted, Conn. Glass pin trays or holders. 211,723; Nov. 17.
Tone Brothers, Des Moines, Iowa. Coffee, tea, spices, mustard, poppy seed, etc. 198,202; Nov. 17.
Twining, E. S., & Company, New York, N. Y. Cotton, linen, or silk textile fabrics in the piece treated with rubber or other proofing material. 217,191; Nov. 17.
Tyndall, Letha B., St. Louis, Mo. Hair pomade, face powder, face cream, and talcum powder. 220,000; Nov. 17.
Union Thread Company, The, Cincinnati, Ohio. Thread. 221,676; Nov. 17.
United Drug Company, Boston, Mass. Perfume, face powder, comparts, rouge, etc. 221,150; Nov. 17.
United States Match Corporation, The, Chicago, Ill. Matches. 204,982; Nov. 17.
Vial & Uhlmann. (See Rath, Emil.)
Victor Talking Machine Company, Camden, N. J. Cigars, cigarettes, smoking tobacco, and cigarettes made from cigar tobacco. 221,726; Nov. 17.
Vier-Sios Chemical Co., Chicago, Ill. Paint and varnish remover. 219,582; Nov. 17.
Vio-Scents Sweets Co. (See Downs, George E.)
Vivaudou, Victor, New York, N. Y. Face powders, face creams, perfumes, hair oils, rouges, nail polishes, etc. 204,739; Nov. 17.
Voss, H. F., Company, Inc., Brooklyn, N. Y. Chili sauce, Worcestershire sauce, tomato catchup, and mayonnaise dressing. 220,748; Nov. 17.
Warren Tool and Forge Co., The, Warren, Ohio. Adzes. 221,394; Nov. 17.
Warren Tool and Forge Co., The, Warren, Ohio. Mauls. 221,395; Nov. 17.
Warren Tool and Forge Co., The, Warren, Ohio. Chisels. 221,396; Nov. 17.
Wedekind, H., & Co., Louisville, Ky. Evaporated peaches, canned salmon, corn, etc. 219,792; Nov. 17.
Weimarfarbe, Gesellschaft mit beschränkter Haftung, Weimar, Germany. Artists' oil colors. 180,675; Nov. 17.
Weinstein, Harry, doing business as Purafect Products Co., Brooklyn, N. Y. Preparation for perfuming, softening, and disinfecting water; cold cream, rouges, etc. 184,949; Nov. 17.
Weiss & Downs, New York, N. Y. Medicines. 217,593; Nov. 17.
Whitlock, Wm. M. E., Marlboro, Mass. Fresh apples, poultry, eggs, chicks, and vinegar. 219,018; Nov. 17.
Whitlesey, Charles W., Co., The, New Haven, Conn. Cod liver oil. 221,399; Nov. 17.
Wholesale Brokerage Co. (See Rosenthal, Simon.)
Wilson, Nathan, New York, N. Y. Waists, overblouses, capes, sweaters, etc. 211,103; Nov. 17.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Wilson, Thos. E., & Co., Chicago, Ill. Basket balls. 219,098; Nov. 17.
Wilson, Thos E., & Co., Chicago, Ill. Footballs. 219,099; Nov. 17.
Wilson-Western Sporting Goods Co., Chicago, Ill. Golf clubs and golf balls. 220,438; Nov. 17.
Wizard Products Co. (See Miller, Alberta.)
Wolo A.-G. (Wolo Ltd.), Zurich, Switzerland. Pharmaceutical preparation. 210,943; Nov. 17.
Ybry, Inc., New York, N. Y. Perfumes, toilet water, bath salts, etc. 220,160; Nov. 17.
Zonite Products Company, New York, N. Y. Antiseptic germ destroyer, disinfectant, deodorant and bleach. 202,366; Nov. 17.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

## CLASS 1.

Hides, skins, and pieces of fur. B. Pomerans & Son. 205,906; Nov. 17; Serial No. 215,944; published Aug. 25, 1925.
Leather, Sole. Morris Feldstein & Son. 205,974; Nov. 17.
Skins, Calf and sheep. Charles Bond Company. 205,982; Nov. 17.

## CLASS 2.

Boxes, instrument cases, and waste-paper baskets, Cash, etc. Bakelite Corporation. 205,807; Nov. 17; Serial No. 216,816; published Sept. 1, 1925.
Cans, Garbage and waste. Master Metal Products, Inc. 205,822; Nov. 17; Serial No. 217,522; published Sept. 1, 1925.

## CLASS 3.

Bill folds, check books, and tourists' portfolios. National Pleasure Tours Inc. 205,898; Nov. 17; Serial No. 216,112; published Sept. 8, 1925.
Hand bags, Ladies'. Chic Bag Co. 205,923; Nov. 17; Serial No. 213,831; published Sept. 8, 1925.

## CLASS 4.

Blacking, Liquid. C. L. Hauthaway & Sons, Incorporated. 49,631; renewed Feb. 13, 1926.
Cleaning preparations. India Alkali Works. 49,068; renewed Feb. 27, 1926.
Soap. C. E. Marsh & Co. 25,937; renewed Jan. 29, 1925.
Soap, Mechanics'. Supreme Soap Manufacturing Company. 205,714; Nov. 17; Serial No. 213,582; published Aug. 18, 1925.
Soaps. Palmoline Company. 205,739; Nov. 17; Serial No. 207,094; published Aug. 18, 1925.
Washing powders. Citrus Soap Company. 49,328; renewed Jan. 30, 1926.
Washing preparation in dry or powdered form. W. M. Williams. 48,813; renewed Jan. 16, 1926.

## CLASS 5.

Adhesive preparation. Tellers' Delight Company. 205,922; Nov. 17; Serial No. 214,189; published Sept. 8, 1925.

## CLASS 6.

Bleaching fluid. J. J. Kittess. 205,846; Nov. 17; Serial No. 216,187; published Aug. 25, 1925.
Composition for use in the treatment of pyorrhea and to harden the gums. F. Lally. 205,872; Nov. 17; Serial No. 214,369; published Aug. 25, 1925.
Corn cures. Burgit Chemisch Pharmazeutische Erzeugnisse Gesellschaft mit beschränkter Haftung. 205,797; Nov. 17; Serial No. 217,205; published Sept. 1, 1925.
Cough drops and tablets for indigestion, etc. Life Savers, Inc. 205,868; Nov. 17; Serial No. 213,907; published Sept. 1, 1925.
Cough drops, stick candy, and French mixtures. John F. Birkmeyer & Sons. 27,383; renewed Dec. 8, 1925.
Cream, Skin-cleansing. F. N. Lewis. 205,788; Nov. 17; Serial No. 215,795; published Sept. 1, 1925.
Creams and powders, rouges, etc., Face. Stix, Baer & Fuller Co. 205,798; Nov. 17; Serial No. 217,189; published Sept. 1, 1925.
Croup specific. C. H. Huiest. 45,825; renewed Aug. 29, 1925.
Deodorant cream. Jean Vallée & Cie. 205,825; Nov. 17; Serial No. 217,487; published Sept. 1, 1925.
Embalming chemicals. N. A. Dodson. 206,000; Nov. 17.
Eyebrow shaper. F. N. Lewis. 205,858; Nov. 17; Serial No. 216,611; published Sept. 1, 1925.
Eye lotion. F. N. Lewis. 205,859; Nov. 17; Serial No. 216,612; published Sept. 1, 1925.
Flour, potato starch, and dextrin, Potato. Norddeutsche Kartoffelmehl-Fabrik mit beschränkter Haftung. 47,764; renewed Nov. 21, 1925.
Hairdressing. L. Matos. 205,745; Nov. 17; Serial No. 209,421; published Aug. 4, 1925.
Hairdressing. B. O. Wilkins. 205,828; Nov. 17; Serial No. 217,437; published Sept. 1, 1925.
Hairdressing preparations. A. J. Krank. 205,800; Nov. 17; Serial No. 217,158; published Sept. 1, 1925.
Hair tonic. J. Carrozza. 205,796; Nov. 17; Serial No. 217,207; published Sept. 1, 1925.
Hair tonic, rouges, toilet water, etc. Warin & Cie. 205,779; Nov. 17; Serial No. 209,258; published June 23, 1925.
Insecticide. Dampene Chemical Company. 205,793; Nov. 17; 217,333; Sept. 1, 1925.
Insecticides. D. B. Whelan. 205,967; Nov. 17.
Laxative. Florin Chemical Co. 205,801; Nov. 17; Serial No. 217,016; published Sept. 1, 1925.
Laxative. A. Richards. 205,881; Nov. 17; Serial No. 217,365; published Sept. 1, 1925.
Lotions, face and skin creams, perfumes, face powders, etc., Toilet. F. N. Lewis. 205,732; Nov. 17; Serial No. 211,598; published Sept. 1, 1925.
Lotions, powders, perfumes, etc., Face. Les Parfums de Rosine. 205,733; Nov. 17; Serial No. 200,327; published Aug. 25, 1925.
Lye. Wm. Schield Mfg. Co. 205,851–2; Nov. 17; Serial Nos. 216,433–4; published Sept. 1, 1925.
Massage cream. F. A. Beach. 206,001; Nov. 17.
Medicinal preparation. Henry Heil Chemical Co. 45,265; renewed Aug. 8, 1925.
Medicine, Soporific. Winthrop Chemical Company. 205,699; Nov. 17; Serial No. 190,397; published Mar. 25, 1924.
Perfume. B. Altman & Co. 205,830; Nov. 17; Serial No. 217,382; published Sept. 1, 1925.
Phosphatic solutions. Rumford Chemical Works. 49,872; renewed Feb. 20, 1926.
Pills. W. T. Hanson Company. 27,706; renewed Jan. 28, 1926.
Preparation, Bread-raising. Rumford Chemical Works, 49,914; renewed Feb. 20, 1926.
Preparation for removing rust. Lubricant Laboratories, Inc. 205,808; Nov. 17; Serial No. 216,787; published Sept. 1, 1925.
Preparation for use on the human dead. Undertakers' Supply Company. 205,874; Nov. 17; Serial No. 214,519; published Aug. 11, 1925.
Remedies for asthma, catarrh, and similar affections. Himrod Manufacturing Company. 27,250; renewed Nov. 19, 1925.
Remedy for diseases of the stomach and bowels. C. M. Kuykendal. 46,118; renewed Sept. 5, 1925.
Remedy for nervous diseases. Prunier et Cie. 26,570; renewed May 21, 1925.
Salve. F. W. S. Elstroth. 47,454; renewed Nov. 7, 1925.
Salve. J. Fletemeyer. 205,826; Nov. 17; Serial No. 217,456; published Sept. 1, 1925.
Salve. J. Leonard. 205,829; Nov. 17; Serial No. 217,405; published Sept. 1, 1925.
Salve for bunions. F. V. E. Olsen. 205,847; Nov. 17; Serial No. 216,207; published Aug. 25, 1925.
Salve, Healing. B. A. Mitchell. 205,998; Nov. 17.
Skin lotion. F. N. Lewis. 205,860–1; Nov. 17; Serial Nos. 216,613–14; published Sept. 1, 1925.
Starch, Laundry. Celluloid Starch Company. 49,688–9; renewed Feb. 13, 1926.
Surgical dressing for wounds, burns, etc. Foster-Dack Co. 205,795; Nov. 17; Serial No. 217,217; published Sept. 1, 1925.
Toilet powder and liquid perfumes. R. Hudnut's Pharmacy. 49,221; renewed Jan. 30, 1926.

## CLASS 7.

Twine, rope, string, and cordage. Schermerhorn Bros. Co. 205,918; Nov. 17; Serial No. 217,800; published Sept. 8, 1925.

## CLASS 8.

Cigarette papers. Glatron, Baschet et Cie. 205,921; Nov. 17; Serial No. 214,356; published Sept. 8, 1925.

## CLASS 9.

Pistol grips and butt plates. Bakelite Corporation. 205,824; Nov. 17; Serial No. 217,496; published Sept. 1, 1925.

## CLASS 10.

Fertilizers. Baugh Chemical Company of Baltimore County, Md. 45,884; renewed Aug. 29, 1925.

## CLASS 12.

Cements and concrete hardener. Argus Manufacturing Co. 205,694; Nov. 17; Serial No. 178,948; published Aug. 18, 1925.

Garage doors, French doors, etc. Central Door and Lumber Company. 205,711; Nov. 17; Serial No. 198,223; published Nov. 11, 1924.
Insulating material, Mastic finish for heat-. Armstrong Cork & Insulation Company. 205,966; Nov. 17.
Linings of insulating material. Keystone Hair Insulator Company. 46,336; renewed Sept. 12, 1925.
Roofing, Asphalt. American Asphalt Roof Corporation. 205,963–4; Nov. 17.

CLASS 18.

Chains, Iron and steel. Carroll Chain Company. 205,850; Nov. 17; Serial No. 216,321; published Sept. 1, 1925.
Fence, Wire. Page Steel & Wire Company. 205,848; Nov. 17; Serial No. 216,284; published Sept. 1, 1925.
Screw anchors. U. S. Expansion Bolt Co. 205,854; Nov. 17; Serial No. 216,443; published Sept. 1, 1925.
Tire-valve insides, tire-valve caps, tire-valve bodies. Wein Sales Corporation. 205,790; Nov. 17; Serial No. 215,955; published Sept. 1, 1925.
Window-screen cloth, wire cloth, poultry netting, etc. American Wire Fabrics Corporation. 205,700; Nov. 17; Serial No. 193,648; published Sept. 1, 1925.
Wire cloth. Clinton Wire Cloth Co. 46,018; renewed Sept. 5, 1925.
Wire cloth and netting, Woven. Clinton Wire Cloth Co. 47,627; renewed Nov. 14, 1925.

CLASS 14.

Aluminum and aluminum alloys. Vereinigte Aluminium-Werke A.-G. 205,707; Nov. 17; Serial No. 197,520; published Aug. 4, 1925.

CLASS 15.

Greases, Lubricating. D-A Lubricant Company. 206,003; Nov. 17.

CLASS 16.

Lead, Pure red. Eagle White Lead Co. 49,395; renewed Feb. 6, 1926.
Paints and enamels. Gerstendorfer Bros. 50,005; renewed Feb. 27, 1926.
Paints, enamels, and bronzing liquids, Certain named. Gerstendorfer Bros. 49,856; renewed Feb. 20, 1926.
Paints, varnishes, and enamels. A. Eichler. 46,103; renewed Sept. 5, 1925.

CLASS 17.

Cigarettes. Hatch Mansfield & Co. 205,717; Nov. 17; Serial No. 213,238; published Sept. 1, 1925.
Cigars. Lubetsky Bros. Co. 205,697; Nov. 17; Serial No. 182,425; published Sept. 1, 1925.
Tobacco. F. & M. Herbs Co. 205,805; Nov. 17; Serial No. 216,834; published Sept. 1, 1925.
Tobacco and cigarettes, Smoking. Hatch Mansfield & Co. 205,716; Nov. 17; Serial No. 213,239; published Sept. 1, 1925.

CLASS 19.

Automobiles, Protective devices and articles for. Protection Products Co. 205,867; Nov. 17; Serial No. 213,802; published Aug. 18, 1925.
Bicycles, gocarts, and baby carriages. Steinfeld Bros. 205,970; Nov. 17.
Vehicles and parts thereof, Motor. Packard Motor Car Company. 47,621; renewed Nov. 14, 1925.

CLASS 22.

Bats, Baseball. Hillerich & Bradsby Co. 205,809; Nov. 17; Serial No. 216,724; published Aug. 18, 1925.
Fish bait. J. W. Davis. 205,866; Nov. 17; Serial No. 213,773; published Sept. 1, 1925.
Fishing rods, fishing reels, whistles and calls for animals and birds, skates, etc. Union Hardware Company. 205,743; Nov. 14; Serial No. 208,833; published Sept. 1, 1925.
Game, Parlor board. Daly-Fetherston Corp. 205,789; Nov. 17; Serial No. 215,848; published Sept. 1, 1925.
Puzzles, Block. C. M. Levett. 205,783; Nov. 17; Serial No. 215,578; published Sept. 1, 1925.
Toys. Paraffine Companies. 205,709; Nov. 17; Serial No. 198,086; published Sept. 1, 1925.

CLASS 23.

Bearings. Milwaukee Die Casting Co. 205,766; Nov. 17; Serial No. 215,306; published Aug. 4, 1925.
Cutters, Cigar. Miller, Du Brul & Peters Mfg. Co. 44,505; renewed July 11, 1925.
Drills and seeders, Grain. Van Brunt Mfg. Co. 47,918; renewed Nov. 28, 1925.
Drills, vises, wrenches, hammers, and jacks, Hand. Walker-Turner Co. 205,785; Nov. 17; Serial No. 215,720; published Aug. 18, 1925.
Evaporating and distilling apparatus. Wheeler Condenser & Engineering Co. 48,409; renewed Dec. 26, 1925.
Files and rasps. Arcade File Works. 49,460; renewed Feb. 6, 1926.
Gears, Engine timing. R. T. Cloyes. 205,958; Nov. 17.
Hack saws and hack-saw blades. G. W. Grimn & Co. 49,710; renewed Feb. 13, 1926.
Pocketknives. Challenge Cutlery Corporation. 49,998; renewed Feb. 27, 1926.
Razors. Challenge Cutlery Corp. 48,679; renewed Jan. 9, 1926.
Scissors and shears. Challenge Cutlery Corporation. 49,965; renewed Feb. 27, 1926.

CLASS 24.

Washboards. American Washboard Company. 48,253–5; renewed Dec. 19, 1925.
Washboards. American Washboard Company. 48,258; renewed Dec. 19, 1925.
Wringers. American Wringer Company. 27,465–6; renewed Dec. 10, 1925.
Wringers and mangles. American Wringer Co. 27,490; renewed Dec. 17, 1925.
Wringers, Clothes. American Wringer Company. 27,605; renewed Jan. 7, 1926.
Wringers, Rolls for. American Wringer Co. 27,544; renewed Dec. 24, 1925.

CLASS 26.

Boilers, Thermostatic device for controlling the temperature and pressure of steam and hot-water. Honeywell Heating Specialties Co. 206,004; Nov. 17.
Calculating machines. H. W. Egli S. A. 205,876; Nov. 17; Serial No. 214,651; published Sept. 1, 1925.
Calculating machines. Marchant Calculating Machine Company. 205,719; Nov. 13; Serial No. 212,941; published Sept. 1, 1925.
Lenses, Ophthalmic. C. V. Lens Co. 205,715; Nov. 17; Serial No. 213,490; published Sept. 1, 1925.
Meter frames, disks, and cases, ammeter cases, etc. Bakelite Corporation. 205,724; Nov. 17; Serial No. 212,526; published Sept. 1, 1925.
Photographic film. Ansco Photoproducts, Inc. 205,723; Nov. 17; Serial No. 212,585; published Sept. 1, 1925.
Pictures, Moving. Universal Pictures Corporation. 205,713; Nov. 17; Serial No. 213,536; published Sept. 1, 1925.

CLASS 28.

Rings, Diamond. Wexler Brothers. 205,875; Nov. 17; Serial No. 214,523; published Aug. 25, 1925.

CLASS 29.

Brushes, Lather, shaving, and paint. Rubber and Celluloid Harness Trimming Co. 48,641; renewed Jan. 9, 1926.

CLASS 31.

Refrigerators and ice-making machines. F. B. Rockwell. 205,802; Nov. 17; Serial No. 216,993; published Sept. 1, 1925.
Refrigerators and water coolers. Metal Stamping Co. 45,280; renewed Aug. 8, 1925.

CLASS 32.

Cabinets, consoles, tables, etc., Phonograph and radio. Pierson Company. 205,786; Nov. 17; Serial No. 215,653; published Aug. 18, 1925.

CLASS 33.

Glass light reflectors. J. C. Stimson. 205,744; Nov. 17; Serial No. 209,148; published Sept. 1, 1925.

CLASS 34.

Oil burners. Pexol Oil Burner Company. 205,735; Nov. 17; Serial No. 202,823; published Aug. 18, 1925.
Ranges and hot-air furnaces and parts thereof, Cooking. Janes & Kirtland. 44,534; renewed July 11, 1925.
Ranges, Wedgewood gas and combination gas and coal. James Graham Manufacturing Co. 205,981; Nov. 17.
Ventilators. Dowman-Dozier Mfg. Co. 46,512; renewed Sept. 26, 1925.

CLASS 35.

Hose, belting, and packing, Rubber. Home Rubber Company. 26,879; renewed July 30, 1925.
Tire casings and tubes, Pneumatic-. International Rubber Company of America. 205,878; Nov. 17; Serial No. 214,870; published Aug. 25, 1925.
Tire patches. Virginia-Carolina Rubber Company. 205,984; Nov. 17.

CLASS 36.

Music rolls, Perforated. Aeolian Company. 45,849–50; renewed Aug. 29, 1925.
Organs. Aeolian Company. 45,717; renewed Aug. 29, 1925.
Organs. Aeolian Company. 45,719; renewed Aug. 29, 1925.
Piano players. Aeolian Company. 45,851; renewed Aug. 29, 1925.
Pianos. Aeolian Company. 45,852; renewed Aug. 29, 1925.
Players for keyboard instruments, Pneumatically-controlled. Aeolian Company. 45,718; renewed Aug. 29, 1925.

CLASS 37.

Account forms, bookkeeping blanks, order books, etc. Appleford Counter Check Book Co. Limited. 205,932; Nov. 17; Serial No. 211,247; published Sept. 8, 1925.
Binder, Loose-leaf. E. Aberle. 205,901; Nov. 17; Serial No. 216,861; published Sept. 8, 1925.



Binders and binder sheets, loose-leaf records, etc., Loose-leaf. A. Rosenberg. 205,933; Nov. 17; Serial No. 210,193; published Sept. 8, 1925.
Bristol board. Strathmore Paper Company. 205,902; Nov. 17; Serial No. 215,829; published Sept. 1, 1925.
Calendars, letterheads, writing paper, and envelopes, Desk. W. J. Ellis. 205,973; Nov. 17.
Check registers. G. C. Kunkel. 205,773; Nov. 17; Serial No. 209,302; published July 28, 1925.
Diaries. Standard Diary Company. 205,896; Nov. 17; Serial No. 217,053; published Sept. 1, 1925.
Filing folders. Field-Parker Company. 205,995; Nov. 17.
Forms, Legal. J. E. Curry & Sons. 205,802; Nov. 17; Serial No. 217,505; published Sept. 15, 1925.
Paper and envelopes. Agawam Paper Company. 27,849; renewed Feb. 25, 1926.
Paper and envelopes. Central Ohio Paper Company. 27,729; renewed Feb. 4, 1926.
Paper and letter clips, file signals, and index tabs. H. C. Cook Company. 205,930–1; Nov. 17; Serial Nos. 211,666–7; published Sept. 1, 1925.
Paper and mailing envelopes, Writing. Z. & W. M. Crane, Inc. 205,893; Nov. 17; Serial No. 217,452; published Sept. 1, 1925.
Paper and mailing envelopes, Writing. Strathmore Paper Company. 205,900; Nov. 17; Serial No. 215,830; published Sept. 8, 1925.
Paper, Bond. Neenah Paper Co. 205,904; Nov. 17; Serial No. 215,648; published Sept. 1, 1925.
Paper, Enameled book. Seaman Paper Company. 205,936; Nov. 17; Serial No. 206,259; published Aug. 25, 1925.
Paper napkins. Paper Novelty Company. 205,925–6; Nov. 17; Serial Nos. 212,099–100; published Sept. 1, 1925.
Paper, paper napkins and towels, Toilet. Blake, Moffitt & Towne. 205,919; Nov. 17; Serial No. 212,992; published Sept. 1, 1925.
Paper, Toilet. Stevens & Thompson Paper Co. 205,899; Nov. 17; Serial No. 215,949; published Sept. 1, 1925.
Paper, Wall. R. Griffin Company. 205,891; Nov. 17; Serial No. 217,511; published Sept. 1, 1925.
Paper, Wax, writing and printing. International Paper Company. 205,894; Nov. 17; Serial No. 217,155; published Sept. 1, 1925.
Paper, Wrapping. Fox Paper Company. 205,965; Nov. 17.
Paper, Writing. W. G. Willimann. 47,443; renewed Nov. 7, 1925.
Papers, paper for drinking cups, fruit wraps, Sulphite, twisting, and converting. Port Huron Sulphite & Paper Co. 205,935; Nov. 17; Serial No. 207,825; published Sept. 15, 1925.
Pens, inkstands, letter trays, etc., Fountain. Bakelite Corporation. 205,924; Nov. 17; Serial No. 212,525; published Sept. 1, 1925.
Raisin-tray paper. Crown Willamette Paper Company. 205,895; Nov. 17; Serial No. 217,135; published Sept. 1, 1925.
Stamps, seals, daters, stencils, and the like. S. G. Adams Stamp & Seal Co. 27,717; renewed Jan. 28, 1926.
Wrappers. L. A. Liebs Co. 205,929; Nov. 17; Serial No. 211,689; published Sept. 15, 1925.

CLASS 38.

Newspaper, Weekly. Empire Publishing Company. 205,883–4; Nov. 17; Serial Nos. 213,558–9; published July 28, 1925.
Newspaper, Weekly. Empire Publishing Company. 205,870; Nov. 17; Serial No. 214,134; published July 28, 1925.

CLASS 39.

Aprons. Stern Apron Manufacturing Company. 205,765; Nov. 17; Serial No. 215,597; published Aug. 4, 1925.
Boots and shoes, Leather. A. H. Berry Shoe Company. 46,074; renewed Sept. 5, 1925.
Breeches and trousers. Kraus Mercantile Co. 205,695; Nov. 17; Serial No. 179,800; published Aug. 11, 1925.
Clothing. Leon Godchaux Clothing Co. 205,979; Nov. 17.
Clothing, Athletic and sports. John Wanamaker, Philadelphia. 205,987–91; Nov. 17.
Clothing, Men's. Joseph H. Cohen & Sons, Vanity Clothes Inc. 205,986; Nov. 17.
Coats, capes, dresses, dress skirts, and dress waists, etc. Prints Biederman Co. 205,843; Nov. 17; Serial No. 216,118; published Sept. 1, 1925.
Coats, suits, trousers, and vests. T. Trivers. 205,976–7; Nov. 17.
Dresses. L. Adler. 205,792; Nov. 17; Serial No. 216,006; published Sept. 1, 1925.
Dresses. City Stores Company. 205,734; Nov. 17; Serial No. 202,383; published Sept. 1, 1925.
Dresses and underwear, Silk. Hartford Silk Waist Company. 205,806; Nov. 17; Serial No. 216,833; published Sept. 1, 1925.
Dresses, coats, suits, and wraps and furs. Stein and Blaine. 205,836; Nov. 17; Serial No. 215,221; published Sept. 1, 1925.
Dresses, gowns, women's and misses' suits and coats. M. Stehlik. 205,865; Nov. 17; Serial No. 213,673; published Sept. 1, 1925.
Dresses, nightgowns, and baptismal sets, Children's. J. F. Rosenau. 205,770; Nov. 17; Serial No. 213,096; published July 21, 1925.
Frocks. Woman's World Magazine Co. 205,748; Nov. 17; Serial No. 210,207; published Sept. 1, 1925.
Garment, Knitted combination sport. Columbia Knitting Mills. 205,881; Nov. 17; Serial No. 215,055; published Sept. 1, 1925.
Garments, Ladies'. Princess N. Zisianoff. 205,721; Nov. 17; Serial No. 212,708; published June 23, 1925.
Gloves. Frederick Loeser & Co. 47,007; renewed Oct. 17, 1925.
Hats and caps. Knox Hat Manufacturing Co. 49,783–4; renewed Feb. 13, 1926.
Hosiery. Beebe-Howes Co. 205,810; Nov. 17; Serial No. 216,666; published Sept. 1, 1925.
Hosiery. Beebe-Howes Co. 205,857; Nov. 17; Serial No. 216,579; published Sept. 1, 1925.
Hosiery. Klein-Norton Co. 205,879; Nov. 17; Serial No. 214,872; published Sept. 1, 1925.
Hosiery. Marietta Knitting Company. 205,339; Nov. 17; Serial No. 215,414; published Sept. 1, 1925.
Hosiery. May Department Stores Company. 205,746; Nov. 17; Serial No. 209,672; published Sept. 1, 1925.
Hosiery and underwear. Golden Rule. 205,708; Nov. 17; Serial No. 197,808; published Sept. 1, 1925.
Hosiery, Ladies'. Russeks. 205,747; Nov. 17; Serial No. 210,012; published Sept. 1, 1925.
Hosiery, Women's. Society Maid Hosiery Company. 205,853; Nov. 17; Serial No. 216,439; published Sept. 1, 1925.
Mufflers, ties, cravats, garters, etc. Leff Bros. Dry Goods & Notion Co. 205,738; Nov. 17; Serial No. 206,418; published Sept. 1, 1925.
Neckties. M. C. Kelly Company. 205,975; Nov. 17.
Overalls. J. E. J. Slip Ova-Alls Company. 205,769; Nov. 17; Serial No. 213,240; published Sept. 1, 1925.
Overalls, shirts, etc. Stuart, Keith & Co. 205,787; Nov. 17; Serial No. 215,761; published Sept. 1, 1925.
Overalls, shirts, etc., Youths' and boys'. Stuart, Keith & Co. 205,903; Nov. 17; Serial No. 215,762; published Sept. 8, 1925.
Overcoats. Sampeck Clothes, Inc. 205,751; Nov. 17; Serial No. 211,377; published Sept. 1, 1925.
Overcoats, coats, vests, and trousers. Marx & Haas Clothing Co. 49,287; renewed Jan. 30, 1926.
Rompers. A. W. McMahon. 205,696; Nov. 17; Serial No. 181,449; published Sept. 1, 1925.
Shirts and hose. H. E. Sagon. 205,988; Nov. 17.
Shirts, coats, and sweaters, Knitted outer. Gotham Knitting Mills. 205,882; Nov. 17; Serial No. 215,066; published Sept. 1, 1925.
Shirts, Men's dress. H. Chandgie. 205,752; Nov. 17; Serial No. 211,517; published Sept. 1, 1925.
Shirts, Sport. New Era Shirt Company. 205,722; Nov. 17; Serial No. 212,630; published Sept. 1, 1925.
Shirts, sweaters, and knitted coats, Athletic. Wooly-West Knitting Mills. 205,837; Nov. 17; Serial No. 215,496; published Sept. 1, 1925.
Shoes. Nu-Way Shoe Co. 205,737; Nov. 17; Serial No. 205,221; published Aug. 25, 1925.
Skirts and dresses, Outer. Aaron & Sherman. 205,698; Nov. 17; Serial No. 154,424; published Aug. 18, 1925.
Suits, Men's and children's. Comer Manufacturing Co. 205,911; Nov. 17; Serial No. 214,710; published Aug. 18, 1925.
Suits, Men's and young men's. L. & M. System Clothes, Inc. 205,840; Nov. 17; Serial No. 215,412; published Sept. 1, 1925.
Topcoats. New Process Company. 205,978; Nov. 17.
Undershirts and underdrawers. Erlanger Bros. 49,931; renewed Feb. 27, 1926.
Underwear and outerwear, Artificial-silk. Kitty Wear Co. 205,834; Nov. 17; Serial No. 215,152; published Sept. 1, 1925.
Underwear, Athletic. Navicloth Underwear Corporation. 205,812; Nov. 17; Serial No. 216,621; published Sept. 1, 1925.
Underwear, Athletic. Navicloth Underwear Corporation. 205,862; Nov. 17; Serial No. 216,621; published Sept. 1, 1925.
Underwear, dresses, skirts, etc. Wolf Company. 205,969; Nov. 17.
Underwear, Knitted. Springfield Knitting Co. 27,172; renewed Nov. 5, 1925.
Underwear, Women's. Powis Brown Company. 205,841; Nov. 17; Serial No. 215,381; published Sept. 1, 1925.
Underwear, Women's textile. J. L. Hudson Co. 205,693; Nov. 17; Serial No. 182,752; published Sept. 1, 1925.
Vests, caps, waistcoats, sweaters, etc. Duman Textile Mills, Inc. 205,710; Nov. 17; Serial No. 199,155; published Sept. 1, 1925.

CLASS 40.

Bindings, Reenforced. S. H. Laury. 205,869; Nov. 17; Serial No. 214,022; published Aug. 25, 1925.
Braids, elastic cords, tapes, shoe lacings, etc. Budlong Manufacturing Company. 205,877; Nov. 17; Serial No. 214,706; published Aug. 25, 1925.
Braids, shoe laces, and hatbands. H. Fawcett. 205,731; Nov. 17; Serial No. 211,670; published Aug. 25, 1925.
Buttons. Hobe Button Co., Inc. 205,749; Nov. 17; Serial No. 211,101; published June 2, 1925.
Buttons. Dr. Thomas & Co., G. m. b. H. 205,811; Nov. 17; Serial No. 216,648; published Sept. 1, 1925.
Dress shield. Marshall Field & Company. 205,701; Nov. 17; Serial No. 194,173; published Jan. 20, 1925.

Fringes. Mendelsohn & Silver. 205,741; Nov. 17; Serial No. 207,587; published July 28, 1925.
Hair curlers. K. Thau. 205,833; Nov. 17; Serial No. 215,109; published Sept. 1, 1925.
Hairpins. Marshall Field & Company. 205,855; Nov. 17; Serial No. 216,520; published Sept. 1, 1925.
Needles, Sewing. H. Boker & Co. 205,791; Nov. 17; Serial No. 215,965; published Aug. 25, 1925.
Overall suspender loops. Sweet-Orr & Co. 206,002; Nov. 17.
Transfers. Kaumagraph Co. 205,736; Nov. 17; Serial No. 202,995; published Aug. 18, 1925.

CLASS 42.

Binding strips or ribbons, Textile. Freydberg Bros., Inc. 205,905; Nov. 17; Serial No. 215,408; published Sept. 8, 1925.
Burlap, Heavy coarse material somewhat resembling. A. J. Keach & Co. 205,742; Nov. 17; Serial No. 208,052; published Sept. 1, 1925.
Chiffon in the piece. Garänkel & Ritter. 205,730; Nov. 17; Serial No. 211,676; published Sept. 1, 1925.
Cotton piece goods. Richard Haworth and Company. 205,928; Nov. 17; Serial No. 211,847; published Sept. 8, 1925.
Cotton piece goods. Massachusetts Cotton Mills. 46,904; renewed Oct. 17, 1925.
Cotton piece goods. Minot, Hooper & Co. 205,702; Nov. 17; Serial No. 194,406; published Sept. 1, 1925.
Cotton, silk, and artificial-silk piece goods. Lester R. Walls Co. 205,794; Nov. 17; Serial No. 217,235; published Sept. 1, 1925.
Cotton, silk, and artificial-silk piece goods and combinations of same. M. Lowenstein & Sons Inc. 205,832; Nov. 17; Serial No. 217,351; published Sept. 1, 1925.
Curtains and draperies. F. E. Berg. 205,871; Nov. 17; Serial No. 214,310; published Sept. 1, 1925.
Fabric. R. Delaunay. 205,720; Nov. 17; Serial No. 212,899; published Sept. 1, 1925.
Handkerchiefs. Marshall Field & Company. 205,856; Nov. 17; Serial No. 216,524; published Sept. 1, 1925.
Jute bagging. Ludlow Manufacturing Associates. 48,997; renewed Jan. 16, 1926.
Jute bagging. Ludlow Manufacturing Associates. 48,998–49,000; renewed Jan. 16, 1926.
Laces and hair nets. French Merchandise Company. 205,957; Nov. 17; Serial No. 200,618; published Sept. 8, 1925.
Lawns. Beh, Van Bergen & Co. 205,813; Nov. 17; Serial No. 217,694; published Sept. 1, 1925.
Silk and cotton piece goods and mixtures of same. Nathan H. Rich & Bro. 205,725; Nov. 17; Serial No. 212,295; published Aug. 18, 1925.
Silk piece goods. Corticelli Silk Company. 205,750; Nov. 17; Serial No. 211,331; published Sept. 1, 1925.
Silk, wool, and cotton piece goods. Haas Brothers Fabrics Corporation. 205,897; Nov. 17; Serial No. 216,720; published Sept. 8, 1925.
Towels, wash rags, face cloths, textile bath mats, and textile bathroom rugs. Hohlfeld Manufacturing Company. 205,706; Nov. 17; Serial No. 196,743; published Sept. 1, 1925.
Woolen dress goods. Atlantic Mills. 205,827; Nov. 17; Serial No. 217,440; published Sept. 1, 1925.
Woolen goods. S. Stein & Co. 205,992–4; Nov. 17.
Woolen piece goods. Forstmann & Huffmann Company. 205,814–20; Nov. 17; Serial Nos. 217,610–16; published Sept. 1, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 205,821; Nov. 17; Serial No. 217,607; published Sept. 1, 1925.
Woolen piece goods. Strong, Hewat & Co. 205,712; Nov. 17; Serial No. 200,060; published Sept. 1, 1925.
Woolen piece goods. Strong, Hewat & Co. 205,849; Nov. 17; Serial No. 216,298; published Sept. 1, 1925.

CLASS 43.

Thread. Elmore Company. 205,728; Nov. 17; Serial No. 212,078; published Sept. 1, 1925.
Thread. Elmore Company. 205,729; Nov. 17; Serial No. 212,064; published Sept. 1, 1925.
Thread. Elmore Company. 205,927; Nov. 17; Serial No. 212,085; published Sept. 8, 1925.
Threads, Sewing. Insulating Materials Company. 205,920; Nov. 17; Serial No. 214,362; published Sept. 8, 1925.

CLASS 44.

Atomizers, Perfumery. Franklin Simon & Co. 205,718; Nov. 17; Serial No. 213,129; published Sept. 1, 1925.
Cotton points, Sanitary. Ohio Chemical & Manufacturing Company. 205,726; Nov. 17; Serial No. 212,195; published Sept. 1, 1925.
Cushions, ice caps, syringes, etc., Invalid. United Drug Company. 205,997; Nov. 17.
Hair-protecting pads. Permanent Wave Machine & Supply Corporation. 205,835; Nov. 17; Serial No. 215,174; published July 28, 1925.
Hosiery, Elastic. O. H. Walton. 205,996; Nov. 17.
Instruments and apparatus for chirurgical, sanitary, medical, and dental purposes, artificial limbs, etc. Aktiebolaget Stille-Werner. 205,740; Nov. 17; Serial No. 207,836; published Sept. 1, 1925.
Obstetric extractors. C. Kielland. 205,784; Nov. 17; Serial No. 215,635; published Sept. 1, 1925.
Pads, Kneeling. H. D. Higinbothnm. 205,842; Nov. 17; Serial No. 215,301; published Sept. 1, 1925.

CLASS 45.

Beverage. H. Kirsch & Co. 205,880; Nov. 17; Serial No. 215,013; published Sept. 1, 1925.
Beverage sold as a soft drink. Kia-Ora, Limited. 205,838; Nov. 17; Serial 215,517; published Sept. 1, 1925.
Beverages and extracts and sirups for making same. C. R. Barbee. 205,986; Nov. 17.
Fruit juices, Bottled. Port-O Inc. 205,703; Nov. 17; Serial No. 195,300; published Sept. 1, 1925.
Fruit juices, Bottled. Port-O Inc. 205,705; Nov. 17; Serial No. 195,301; published Sept. 1, 1925.
Ginger ale. L. Goldstein. 205,845; Nov. 17; Serial No. 216,173; published Sept. 1, 1925.
Sirup for soft drinks, Compound. Hurty-Peck & Co. 205,804; Nov. 17; Serial No. 216,910; published Sept. 1, 1925.

CLASS 46.

Biscuit. L. B. Johnson. 205,962; Nov. 17.
Butter. Beatrice Creamery Company. 205,960; Nov. 17.
Butter, buttermilk, hams, bacon, and dressed poultry. Witt's Market House. 205,780; Nov. 17; Serial No. 208,211; published Sept. 1, 1925.
Cake. General Baking Company. 205,888; Nov. 17; Serial No. 206,955; published Sept. 1, 1925.
Candies. J. S. Auerbach. 205,934; Nov. 17; Serial No. 209,609; published May 5, 1925.
Candies. Powell's. 205,884; Nov. 17; Serial No. 201,576; published Sept. 1, 1925.
Candied fruits, candy, etc. F. B. Marquard. 205,760; Nov. 17; Serial No. 217,408; published Sept. 1, 1925.
Candy. American Caramel Company. 205,755; Nov. 17; Serial No. 217,657; published Sept. 1, 1925.
Candy. Elbee Chocolate Co. 205,912; Nov. 17; Serial No. 214,538; published Sept. 1, 1925.
Candy. Gordon-Ruinaiter Company. 205,907; Nov. 17; Serial No. 215,911; published Sept. 1, 1925.
Candy. Green Bros. Co. 205,753; Nov. 17; Serial No. 217,769; published Sept. 1, 1925.
Candy. H. L. Hildreth Company. 205,704; Nov. 17; Serial No. 196,020; published Aug. 25, 1925.
Candy. George C. Miller & Co. 205,938; Nov. 17; Serial No. 200,571; published Sept. 1, 1925.
Candy. Quaker City Chocolate & Confectionery Company. 205,768; Nov. 17; Serial No. 213,915; published Sept. 1, 1925.
Candy. Van Antwerp's Drug Corporation, Inc. 205,889; Nov. 17; Serial No. 206,866; published Sept, 1. 1925.
Candy. Van Antwerp's Drug Corporation. 205,968; Nov. 17.
Candy. Van Engers, Inc. 205,949; Nov. 17; Serial No. 217,875; published Sept. 1, 1925.
Candy. J. Vinikow. 205,954; Nov. 17; Serial No. 216,572; published Sept. 1, 1925.
Candy. Stephen F. Whitman & Son, Inc. 205,944; Nov. 17; Serial No. 217,650; published Sept. 1, 1925.
Candy and candy bars. Peter Sisco Co. 205,942; Nov. 17; Serial No. 217,738; published Sept. 1, 1925.
Canned apples, blackberries, and rhubarb. Fassett & Company. 205,763; Nov. 17; Serial No. 216,166; published Sept. 1, 1925.
Canned fish. Johnson's Bay Canning Company. 205,887; Nov. 17; Serial No. 207,245; published Feb. 10, 1925.
Canned fish. T. Slade Gorton & Co. 205,908; Nov. 17; Serial No. 215,855; published Sept. 8, 1925.
Canned fruits and vegetables. H. C. Baxter & Bro. 46,545; renewed Sept. 26, 1925.
Canned fruits, berries, and vegetables. H. C. Baxter & Bro. 46,029; renewed Sept. 5, 1925.
Canned fruits, berries, and vegetables. Snow Flake Canning Co. 46,276; renewed Sept. 12, 1925.
Canned salmon. Hetta Packing Company. 205,909; Nov. 17; Serial No. 215,788; published Aug. 11, 1925.
Canned sardines. African & Eastern Trading Co. 205,918; Nov. 17; Serial No. 213,944; published Sept. 1, 1925.
Canned tomatoes. Tillman & Bendel, Inc. 205,886; Nov. 17; Serial No. 210,024; published June 2, 1925.
Canned tunny. M. A. Rex. 205,961; Nov. 17.
Canned vegetables. Twin Peaks Canning Co. 205,890; Nov. 17; Serial No. 203,495; published Dec. 30, 1925.
Canned vegetables and fruits. H. C. Baxter & Bro. 45,345; renewed Aug. 15, 1925.
Chewing gum. Shelby Gum Co. 205,950; Nov. 17; Serial No. 217,368; published Sept. 1, 1925.
Chocolate candy, cocoa, and mustard. D. Ghirardelli Co. 205,776; Nov. 17; Serial No. 214,658; published Sept. 1, 1925.
Chocolates and bonbons. A. E. Cramer. 205,883; Nov. 17; Serial No. 185,746; published Dec. 2, 1924.
Coffee. J. Aron & Company. 205,957; Nov. 17.
Coffee. Cupp Grocery Company. 205,943; Nov. 17; Serial No. 217,670; published Sept. 1, 1925.
Coffee. Curtis W. Merrill Company. 205,948; Nov. 17; Serial No. 217,409; published Sept. 1, 1925.
Coffee, Malt. Kathreiner's Malzkaffee-Fabriken mit beschrankter Haftung. 26,944; renewed Aug. 13, 1925.



Eggs. Swift and Company. 205,771; Nov. 15; Serial No. 213,049; published Aug. 4, 1925.
Eggs, baby chicks, and poultry. R. W. Dimond. 205,778; Nov. 17; Serial No. 210,716; published Sept. 1, 1925.
Flavoring extracts, Food-. P. Bon Seigneur. 205,775; Nov. 17; Serial No. 215,330; published Sept. 1, 1925.
Flour, Wheat. Crescent Mill & Elevator Company. 45,561; renewed Aug. 22, 1925.
Flour, Wheat. Geo. A. Zabriskie. 48,469; renewed Jan. 2, 1926.
Grapefruit and tangerines, Fresh. H. W. Forbes. 205,772; Nov. 17; Serial No. 212,248; published Sept. 1, 1925.
Grapes, Fresh. A. A. Bezzarides. 205,946; Nov. 17; Serial No. 217,497; published Sept. 1, 1925.
Grapes, Fresh. J. P. Cresse. 205,764; Nov. 17; Serial No. 216,148; published Sept. 1, 1925.
Grapes, Fresh. Pinkham Holdings Co. 205,955; Nov. 17; Serial No. 216,210; published Sept. 1, 1925.
Ham, bacon, Bologna, etc. Stark Provision Co. 205,953; Nov. 17; Serial No. 21,645; published Sept. 1, 1925.
Hams, bacon, lamb, beef, pork, etc. Edward T. Danahy Co. 205,917; Nov. 17; Serial No. 210,448; published May 5, 1925.
Hams, bacon, sausages, lard, and lard substitutes. T. L. Lay Packing Company. 205,916; Nov. 17; Serial No. 211,687; published Sept. 1, 1925.
Hams, bacon, shoulder, cala, and sausage. C. A. Freund. 205,939; Nov. 17; Serial No. 192,569; published Sept. 1, 1925.
Ice cream. Chapin-Sacks Corporation. 205,777; Nov. 17; Serial No. 210,582; published Sept. 1, 1925.
Icings for cakes or for use in candy. Hacker Brothers. 205,781; Nov. 17; Serial No. 207,868; published Sept. 1, 1925.
Lemons, oranges, grapefruit. Central Lemon Association. 205,761; Nov. 17; Serial No. 216,878; published Sept. 1, 1925.
Lemons, oranges, grapefruit. Central Lemon Association. 205,951–2; Nov. 17; Serial Nos. 216,880–1; published Sept. 1, 1925.
Lemons, oranges, grapefruit. Leffingwell Rancho Lemon Association. 205,762; Nov. 17; Serial No. 216,190; published Sept. 1, 1925.
Malt extract. J. Braunstein. 205,990; Nov. 17.
Malt extract. Cash Wholesale Grocers. 205,844; Nov. 17; Serial No. 216,147; published Aug. 11, 1925.
Malt extract. F. Petranek. 205,774; Nov. 17; Serial No. 217,047; published Sept. 1, 1925.
Oil, Olive. Hochheiser & Weisberg Inc. 205,782; Nov. 17; Serial No. 193,335; published Sept. 1, 1925.
Oranges, lemons, and grapefruit. Irvine Citrus Association. 205,945; Nov. 17; Serial No. 217,562; published Sept. 1, 1925.
Oranges, lemons, grapefruit. Corona Citrus Association. 205,754; Nov. 17; Serial No. 217,760; published Sept. 1, 1925.
Oranges, lemons, grapefruit. Covina Citrus Association. 205,767; Nov. 17; Serial No. 214,711; published Sept. 1, 1925.
Oranges, lemons, grapefruit. Covina Citrus Association. 205,956; Nov. 17; Serial No. 216,152; published Sept. 1, 1925.
Oranges, lemons, grapefruit. Glendora Citrus Association. 205,757; Nov. 17; Serial No. 217,555; published Sept. 1, 1925.
Oranges, lemons, grapefruit. Highland Exchange Association. 205,940; Nov. 17; Serial No. 217,781; published Sept. 1, 1925.
Oranges, lemons, grapefruit. Highland Fruit Growers Association. 205,941; Nov. 17; Serial No. 217,777; published Sept. 1, 1925.
Oranges, lemons, grapefruit. Orange Mutual Citrus Association. 205,759; Nov. 17; Serial No. 217,417; published Sept. 1, 1925.
Oranges, lemons, grapefruit. Walnut Fruit Growers Association. 205,947; Nov. 17; Serial No. 217,435; published Sept. 1, 1925.
Pop corn, Candied. C. R. Osborn. 205,915; Nov. 17; Serial No. 213,188; published Sept. 1, 1925.
Potatoes. Leonard, Crosset & Riley. 205,910; Nov. 17; Serial No. 215,696; published Sept. 1, 1925.
Potatoes, Fresh sweet. Pittsburg Storage Company. 205,756; Nov. 17; Serial No. 217,579; published Sept. 1, 1925.
Raisins and candy, Chocolate-covered. D. B. Erminger. 205,885; Nov. 17; Serial No. 191,874; published Mar. 11, 1924.
Sugar. A. Leo. 205,799; Nov. 17; Serial No. 217,165; published Aug. 25, 1925.
Sugars. Godchaux Sugars, Inc. 205,980; Nov. 17.
Taffy and bonbons. A. Ruhe. 205,914; Nov. 17; Serial No. 213,194; published Sept. 1, 1925.
Tomatoes, Fresh. Gould's Fruit & Vegetable Growers Ass'n, Inc. 205,758; Nov. 17; Serial No. 217,458; published Sept. 1, 1925.

CLASS 48.

Malt extract. Life Savers, Inc. 205,873; Nov. 17; Serial No. 214,451; published Sept. 1, 1925.

CLASS 50.

Felts for paper machinery. V. Asten & Co. 205,727; Nov. 17; Serial No. 212,171; published Aug. 18, 1925.
Incubators. Morris Manufacturing Co. 205,959; Nov. 17.
Rodent exterminators. S. S. Rosen. 205,971–2; Nov. 17.
Stoppers or corks for bottles, jugs, and jars. Consolidated Cork Corporation. 205,808; Nov. 17; Serial No. 216,966; published Aug. 25, 1925.

# ALPHABETICAL LIST OF LABELS.

Carolchromes. For Tinted Photographs. C. Le Card. 29,489; Nov. 17.
Cherry Pectoral. For A Cough Medicine. Ayer Company. 29,479; Nov. 17.
Chimes. For Canned Asparagus. Pratt-Low Preserving Company. 29,496; Nov. 17.
Geneva A 1 Mainsprings. For Mainsprings. South Bend Watch Company. 29,513; Nov. 17.
Genuine Porto Rican Coffee. For Coffee. R. A. Silva Beauchamp. 29,512; Nov. 17.
Golden Best Brand Selected Eggs. For Eggs. W. A. Schurmann & Company. 29,511; Nov. 17.
Gripene. For Liquid Patent Medicine. Caroni Products Company. 29,481; Nov. 17.
Injun Arrows. For Candy. N. L. Miles. 29,492; Nov. 17.
J E C O Gold Leaf & Bronze Powders. For Gold Leaf and Bronze Powders. C. & J. Elder Co. 29,482; Nov. 17.
Katnips. For Toys. Katnips, Inc. 29,488; Nov. 17.
Marquette. For Peas. Mammoth Spring Canning Co. 29,490; Nov. 17.
Narcisses. For Talcum Powder. Spooner, Inc. 29,514; Nov. 17.
Nebo. For Butter. Menasha Printing and Carton Company. 29,491; Nov. 17.
No. 110 Appliance Cord Switch. For Appliance Cord Switches. Reynolds Spring Company. 29,508; Nov. 17.
No. 240 Two Way Angle Plug Combination. For Two-Way Angle Plug combinations. Reynolds Spring Company. 29,507; Nov. 17.
No. 340 Three Way Angle Plug Combination. For Three-Way Angle Plug combination. Reynolds Spring Company. 29,506; Nov. 17.
No. 360 Three Way Combination Plug. For Three-Way Combination Plugs. Reynolds Spring Company. 29,505; Nov. 17.
No. 500 Universal Heater Connector. For Universal Heater Connecters. Reynolds Spring Company. 29,498; Nov. 17.
No. 600 Heater Cord Set. For Heater-Cord Sets. Reynolds Spring Company. 29,499; Nov. 17.
Nuf sed Malt Extract Hop Flavor Warranted To Keep In Any Climate. For Malt Extract. Bosch Food Products Co. 29,480; Nov. 17.
Old Fashion. For Whole-Wheat Granules. Old Fashion Mill Inc. 29,494; Nov. 17.
Pink of Perfection. For Candy. Stephen F. Whitman & Son, Inc. 29,520; Nov. 17. 1925.
Pocket Edition Candles. For Confectionery. Gruenhagen's. 29,485; Nov. 17.
Porter's Orange County Virginia Cured Ham. For Cured Hams. D. L. Porter. 29,495; Nov. 17.
Renoval For A Carpet and Clothes Cleaning Renovative Fluid. E. T. Hills. 29,487; Nov. 17.
Reynolite Masterpiece Molded Single Gang Wall Plate. For Molded Single Gang Wall Plates. Reynolds Spring Company. 29,509; Nov. 17.
Reynolite Masterpiece Molded Three-Gang Wall Plate. For Molded Three-Gang Wall Plates. Reynolds Spring Company. 29,497; Nov. 17.
Reynolite Masterpiece Molded Two-Gang Wall-Plate. For Molded Two-Gang Wall Plates. Reynolds Spring Company. 29,501; Nov. 17.
Reynolite Masterpiece Molded Wall Plate. For Molded Single-Gang Wall Plates. Reynolds Spring Company. 29,502; Nov. 17.
Reynolite Masterpiece Single Gang Wall Plate. For Molded Single-Gang Wall Plates. Reynolds Spring Company. 29,504; Nov. 17.
Reynolite Molded Single Gang Wall Plate. For Molded Single-Gang Wall Plates. Reynolds Spring Company. 29,503; Nov. 17.
Reynolite Molded Three-Gang Plate. For Molded Three-Gang Plates. Reynolds Spring Company. 29,510; Nov. 17.
Reynolite Molded Two-Gang Wall-plate. For Molded Two-Gang Wall Plates. Reynolds Spring Company. 29,500; Nov. 17.
Roy-El. For Cigars. C. B. Henschel Mfg. Co. 29,486; Nov. 17.

Spring Valley. For Butter. Sutherland Paper Company. 29,516; Nov. 17.
Standard Odor Improved Mange Medicine. For Mange Medicine. Standard Veterinary Products Co. 29,515; Nov. 17.
Sun Red Brand Fancy Tuolumne Mountain Apples. For Apples. Tuolumne Apple Growers' Association. 29,518; Nov. 17.
Sweet Cream Dairy Butter. For Butter. Sutherland Paper Company. 29,517; Nov. 17.
The Machine That Makes Figures Tell the Truth. For Calculating Machines. Monroe Calculating Machine Company. 29,493; Nov. 17.
Tres Palmas. For Fresh Dates. Valley Packing Corporation. 29,519; Nov. 17.
Ugene. For Canned Beets. Eugene Fruit Growers Association. 29,484; Nov. 17.
Wonderwood. For Materials for Making Models of Flowers and Plants. Embossing Company. 29,483; Nov. 17.

# ALPHABETICAL LIST OF PRINTS.

A Coffee Grinder—Set With Jewels. For Coffee. Jas. H. Forbes Tea & Coffee Co. 8,326; Nov. 17.
A Famous Coffee House of Boston. For Coffee. Jas. H. Forbes Tea & Coffee Co. 8,325; Nov. 17.
Acid decay, Which Is Most Difficult To Control, Occurs At The Danger Line Between Your Teeth. For Dental Cream. E. R. Squibb & Sons. 8,359; Nov. 17.
As pure as Squibb's. For Bicarbonate of Soda. E. R. Squibb & Sons. 8,362; Nov. 17.
Banished! Those "Teen Age" Morning Blues! With A Good Hot Breakfast To Renew The Energy Supply. For Wheat Breakfast Food. Cream of Wheat Co. 8,322; Nov. 17.
Banquet Tea. For Tea. McCormick & Company. 8,335; Nov. 17.
Baralgin. For Pharmaceutical Preparation for Relieving Pain. Barbasol Company. 8,319; Nov. 17.
Bee Brand Insect Powder. For Insect Powder. McCormick & Company. 8,336; Nov. 17.
Children thrive on these Vitamins. For Cod-Liver Oil. E. R. Squibb & Sons. 8,357; Nov. 17.
Dangerous acids. For Dental Cream. E. R. Squibb & Sons. 8,353; Nov. 17.
Dangerous Irritation. For Dental Cream. E. R. Squibb & Sons. 8,355; Nov. 17.
Eclipse necktie holder. For Necktie Holders. W. P. Talbot. 8,370; Nov. 17.
Eclipse watch protector. For Watch Protectors. W. P. Talbot. 8,369; Nov. 17.
Fermenting foods. For Dental Cream. E. R. Squibb & Sons. 8,354; Nov. 17.
Free to Teachers an attractive Chart On Correct Diet For Children. For Wheat Breakfast Food. Cream of Wheat Co. 8,320; Nov. 17.
George Washington's Coffee Grinder. For Coffee. Jas. H. Forbes Tea & Coffee Co. 8,324; Nov. 17.
How often do you use Bicarbonate Of Soda?. For Bicarbonate of Soda. E. R. Squibb & Sons. 8,352; Nov. 17.
How to guard your teeth From Acid Decay And Your Gums From Pyorrhea. For Dental Cream. E. R. Squibb & Sons. 8,347; Nov. 17.
In tiny V-shaped crevices. For Dental Cream. E. R. Squibb & Sons. 8,358; Nov. 17.
It is easier to take Squibb's Epsom Salt. For Epsom salt. E. R. Squibb & Sons. 8,356; Nov. 17.
J. J. Lansburgh Co. Fish Oysters. For Fresh and Frozen Fish and Salt-Water Oysters. J. J. Lansburgh Co. 8,334; Nov. 17.
Let my new way save you up to 35% On Clothing. For Clothing. Julian Goldman Stores, Inc. 8,329; Nov. 17.
New-Mix. For Dentifrices. New Mix Products, Inc. 8,338; Nov. 17.
"Not One Man in Ten Thousand Feeds Himself Properly" Says Samuel G. Blythe. For Wheat Breakfast Food. Cream of Wheat Co. 8,323; Nov. 17.
Only proper care at the Danger Line Can Protect Your Teeth From Acid Decay and Prevent Pyorrhea. For Dental Cream. E. R. Squibb & Sons. 8,348; Nov. 17.
Pardon My Glove. For Gloves. Jacob Adler & Co., Inc. 8,318; Nov. 17.
Paul Revere Patriot And Silversmith. For Coffee. Jas. H. Forbes Tea & Coffee Co. 8,327; Nov. 17.
Sensitive Teeth Are A Warning. For Dental Cream. E. R. Squibb & Sons. 8,360; Nov. 17.
Sound second teeth Depend On Proper Care Of First Teeth At The Danger Line. For Dental Cream. E. R. Squibb & Sons. 8,346; Nov. 17.
Squibb's Milk of Magnesia is entirely free from earthy, Alkaline Taste. For Milk of Magnesia. E. R. Squibb & Sons. 8,349; Nov. 17.
Standardizing a dentifrice. For Dental Cream. E. R. Squibb & Sons. 8,364; Nov. 17.
Study these prices. For Clothing. Julian Goldman Stores, Inc. 8,332; Nov. 17.
Sweet things. For Dental Cream. E. R. Squibb & Sons. 8,366; Nov. 17.
The best tire buy on the market Good—wingfoot—Year Balloons. For Tires Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 8,333; Nov. 17.
The silent coal salesman. For Coal. J. F. Marlowe. 8,337; Nov. 17.
The Truth About Pyorrhea. For Dental Cream. E. R. Squibb & Sons. 8,344; Nov. 17.
These things may injure. For Dental Cream. E. R. Squibb & Sons. 8,367; Nov. 17.
They had just given Johnny a spoonful. For Castor Oil. E. R. Squibb & Sons. 8,351; Nov. 17.
They said it couldn't be done. For Clothing. Julian Goldman Stores, Inc. 8,330; Nov. 17.
They say I am changing the entire clothing business of the country. For Clothing. Julian Goldman Stores, Inc. 8,328; Nov. 17.
Thousands are saving money now Buy Your Clothing, Too, On The Great Julian Goldman Plan. For Clothing. Julian Goldman Stores, Inc. 8,331; Nov. 17.
Truly Beautiful Women Are Aware Of These Things. For Dental Cream. E. R. Squibb & Sons. 8,341; Nov. 17
$25,000.00 in 508 cash awards! Great Educational Contest Will Bring Thousands Of People Into Squibb Week Druggists' Stores. For Dental Cream. E. R. Squibb & Sons. 8,368; Nov. 17.
Under 4 Seals. For Coffee. Reid, Murdoch & Co. 8,339; Nov. 17.
Watch out for Pyorrhea At The Danger Line. For Dental Cream. E. R. Squibb & Sons. 8,348; Nov. 17.
What you should know about Your Teeth And Gums To Guard Against Decay And Pyorrhea. E. R. Squibb & Sons. 8,365; Nov. 17.
When something sweet. For Dental Cream. E. R. Squibb & Sons. 8,350; Nov. 17.
When that fine edge Of Gum Tissue Breaks Down—Then And Only Then Can You Have Pyorrhea (51-E8-1925). For Dental Cream. E. R. Squibb & Sons. 8,342; Nov. 17.
When that fine edge of gum Tissue Breaks Down—Then And Only Then Can You Have Pyorrhea (51-ET-1925). Dental Cream. E. R. Squibb & Sons. 8,340; Nov. 17.
Where food ferments. For Dental Cream. E. R. Squibb & Sons. 8,361; Nov. 17.
Why Baby Specialists use Cream of Wheat. For Wheat Breakfast Food. Cream of Wheat Co. 8,321; Nov. 17.
You can't scour away The Acids In The Mouth. For Dental Cream. E. R. Squibb & Sons. 8,363; Nov. 17.
Your Tooth-brush can only go so far—After That It Is Up To Your Dentifrice. For Dental Cream. E. R. Squibb & Sons. 8,345; Nov. 17.

# CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Mitchell & Dillon Coal Company. 219,675; Nov. 17.
Leather. Carl E. Schmidt and Company. 219,206; Nov. 17.
Skins and pelts treated to resemble beaver, Raw and dressed. A. Pierini. 213,042; Nov. 17.

CLASS 2.

Boxes, tea caddies, etc., Trinket, sweet, biscuit, etc. Erhard & Sohne A. G. 218,614; Nov. 17.

CLASS 3.

Receptacles, Hand. Clover Leather Goods Co. 219,325; Nov. 17.

CLASS 4.

Aluminous abrasive grains and stones, grinding wheels, and crystalline alumina. Norton Company. 218,867-8; Nov. 17.
Auto top dressing. J. M. Clayton. 221,049; Nov. 17.
Cleaner for personal and household use. Allen Soap Company. 219,022; Nov. 17.
Cleaning compound. D. R. Knapp. 216,980; Nov. 17.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cleaning compound. A. Miller. 215,871; Nov. 17.
Cleaning compound. R. A. Preo. 219,086; Nov. 17.
Cleansing compound. Seaboard Crystal Company. 218,577; Nov. 17.
Paint for use especially on automobile tops. Never Leak Rubber Paint Company. 217,229; Nov. 17.
Polish for windshields, etc. Bolduc Bros. 221,300; Nov. 17.
Polish in cream form or impregnated cloth, Silver. Gorham Mfg. Company. 220,722; Nov. 17.
Soap and shaving powder, Toilet. Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschrankter Haftung. 220,720; Nov. 17.
Soap and shaving cream, Toilet. Karlsruher Parfumerie- und Toiletteseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschrankter Haftung. 220,722-8; Nov. 17.
Soap and shaving powder, Toilet. Karlsruher Parfumerie- und Toiletteseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschrankter Haftung. 220,725; Nov. 17.
Soap and shaving powder, Toilet. Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschrankter Haftung. 220,726; Nov. 17.
Soap and shaving powder, Toilet. Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschrankter Haftung. 220,728; Nov. 17.
Soap, Laundry. F. R. Maronde. 220,731; Nov. 17.
Soap, Mechanic hand. W. H. Davis. 219,112; Nov. 17.
Soap, Powdered. J. & O. Soap Works. 221,822; Nov. 17.
Soaps and shaving creams, Toilet. Cheramy, Inc. 220,446; Nov. 17.

CLASS 6.

Antiseptic germ destroyer, disinfectant, deodorant, and bleach. Zonite Products Company. 202,366; Nov. 17.
Antiseptic nasal emollient. H. K. Mulford Company. 221,189; Nov. 17.
Antispasmodic and nerve sedative. H. K. Mulford Company. 221,192; Nov. 17.
Bleaching water. California Bleaching Water Co. 221,400; Nov. 17.
Cleansing cream. Armand Company. 214,229; Nov. 17.
Cleansing cream, face lotion, etc. Mrs. T. Grau. 217,804; Nov. 17.
Cod-liver oil. Charles W. Whittlesey Co. 221,399; Nov. 17.
Compound for rheumatism, kidney, liver, and bladder trouble, etc., Effervescent. J. M. Massion. 210,738; Nov. 17.
Concentrated ash and tanners' alkali. J. B. Ford Company. 220,224; Nov. 17.
Cough and croup remedy. Glessner Company. 220,521; Nov. 17.
Dentifrice, Antiseptic. Ormont Drug & Chemical Co. 221,199; Nov. 17.
Dietetic preparation for diabetic patients. H. A. Metz Laboratories, Inc. 221,327; Nov. 17.
Dyes and colors. F. Malchow. 218,072; Nov. 17.
Epsom salts, castor oil, quinine, borax, etc. S. Rosenthal. 206,495; Nov. 17.
Hair pomade, face powder and cream, and talcum powder. L. B. Tyndall. 220,000; Nov. 17.
Hypnotic. E. R. Squibb & Sons. 221,210; Nov. 17.
Insecticides. C. E. Fidler. 221,360; Nov. 17.
Laxative. T. S. Jackson. 216,464; Nov. 17.
Laxative tablet. H. K. Mulford Company. 221,191; Nov. 17.
Liniment. Allen and Lowry. 218,036; Nov. 17.
Liniment. A. M. Losee. 220,290; Nov. 17.
Liquid preparation for impure blood, old sores, nervousness, etc. W. A. Benson. 219,799; Nov. 17.
Lotion, Face. R. S. Barnes. 217,386; Nov. 17.
Medicinal and hemorrhoidal preparations. E. Rath. 200,961; Nov. 17.
Medicine for tobacco habit and chronic constipation. Sterling Remedy Company. 220,327; Nov. 17.
Medicine for tuberculosis. Queerpin Co. 221,566; Nov. 17.
Medicines made from boric acid and an organic acid. Weiss & Downs. 217,593; Nov. 17.
Medicines or pharmaceutical preparations. Eli Lilly & Company. 221,070; Nov. 17.
Milk of magnesia—Mulford, Aromatic. H. K. Mulford
Nail polish. J. Parker Pray, Inc. 221,376; Nov. 17.
Nail white and cleaner, hair restorer, and facial make-up cream. R. E. Kintz. 219,286; Nov. 17.
Oil used in the treatment of woolen fabrics. Tide Water Oil Company. 221,218; Nov. 17.
Oils, Essential. Heine & Co. 221,487; Nov. 17.
Oils suitable for perfumery purposes, Essential. Heine & Co. 218,510; Nov. 17.
Ointment for the treatment of piles. Mrs. E. Champagne. 221,597; Nov. 17.
Pastes and powders and perfumery. Parfumerie Roger & Gallet. 199,084-6; Nov. 17.
Perfume, face powder, rouge, etc. United Drug Company. 221,150; Nov. 17.
Perfume, toilet water, face powder, bath salts, etc. J. H. Quintero. 221,377; Nov. 17.
Perfumes. Solon Palmer. 221,333; Nov. 17.
Perfumes and hygienic products. Franklin Simon & Co. 212,482; Nov. 17.
Perfumes, toilet water, face and talcum powders, etc. Ybry, Inc. 220,160; Nov. 17.
Perfumes, toilet water, face powder, brilliantine, etc. Cheramy, Inc. 220,448; Nov. 17.
Pharmaceutical preparation used for preparing tar baths. Wolo A.-G. (Wolo Ltd.). 210,943; Nov. 17.
Pharmaceutical preparations for human use and veterinary purposes. C. P. Chemical & Drug Co. 198,937; Nov. 17.
Poison for the potato bug, etc. Hemingway & Company. 221,178; Nov. 17.
Powder, Toilet. Ormont Drug & Chemical Co., Inc. 221,201; Nov. 17.
Powders, creams, perfumes, rouges, etc. J. Martinat. 221,127; Nov. 17.
Powders, face creams and packs, hair oils, nail polishes, etc., Face. J. T. S. Hoffner. 221,319; Nov. 17.
Powders, face creams and packs, perfumes, nail polishes, etc. A. P. Babcock Company. 219,868; Nov. 17.
Powders, perfumes, toilet waters, hair oils, etc. V. Vivaudou. 204,739; Nov. 17.
Preparation for asthma, hay fever, and catarrh. E. R. Budd. 217,006; Nov. 17.
Preparation for perfuming, softening, and disinfecting water; cold cream, rouge, etc. H. Weinstein. 184,949; Nov. 17.
Preparation for the blood. Hidalgo Medicine Company. 221,258; Nov. 17.
Preparation for the prevention or removal of scale from boilers. Actinium Developments Limited. 214,637; Nov. 17.
Preparation for the treatment of eczema, etc. J. H. Hall. 221,057; Nov. 17.
Preparation for the treatment of the scalp, eczema, itch, poison ivy, etc. B. H. B. Laboratories. 221,657; Nov. 17.
Remedy for boils. C. B. Kundsen. 220,192; Nov. 17.
Remedy for the treatment of the diseases of poultry. B. M. Beatty. 219,107; Nov. 17.
Remedy used in the treatment of rheumatism. S. Caplan. 215,133; Nov. 17.
Salves. J. C. Ballantyne. 217,916; Nov. 17.
Substance for use in the treatment of syphilis. J. W. Stevens. 211,722; Nov. 17.

CLASS 8.

Cigarette boxes, ash trays, pipe racks, tobacco jars, etc. Erhard & Söhne A. G. 218,615; Nov. 17.
Cigarette paper. J. Faurant. 221,359; Nov. 17.

CLASS 9.

Matches. United States Match Corporation. 204,982; Nov. 17.

CLASS 12.

Asphalt, mixtures of asphalt and stone, etc. J. D. Forrester. 218,910; Nov. 17.
Bricks. C. E. Holley. 220,025; Nov. 17.
Cement, Portland. Texas Portland Cement Co. 218,809; Nov. 17.
Lime, Hydrated. Pacific Lime & Plaster Co. 221,276; Nov. 17.
Stucco. Artisti-Kote Company. 221,157; Nov. 17.
Stucco and plaster. Flint-Rock Stucco Company. 217,926; Nov. 17.
Talc, Special. W. H. Loomis Talc Corporation. 219,592; Nov. 17.

CLASS 13.

Valves. Ohio Brass Company. 220,793; Nov. 17.

CLASS 15.

Gasoline. W. F. Carvell. 217,208; Nov. 17.
Oils and greases. H. C. Thompson. 205,251; Nov. 17.
Oils and greases, Lubricating. Corning Oil Company, Inc. 208,044; Nov. 17.
Oils and greases, Lubricating. Panther Oil & Grease Mfg. Co. 220,356; Nov. 17.

CLASS 16.

Cleaner. S. L. Products Company. 214,976; Nov. 17.
Oil colors, Artists'. Weimarfarbe, Gesellschaft mit beschränkter Haftung. 180,675; Nov. 17.
Paint and varnish remover. Vier-Sios Chemical Co. 219,562; Nov. 17.
Paint, paint enamels, pigments in oil (paste), and varnishes, Mixed. A. J. Field. 219,115-17; Nov. 17.
Paints, paint enamels, stains, varnishes, and lacquers, Ready-mixed. Seattle Paint Company. 211,951; Nov. 17.
Paints, Prepared liquid. Spray Paint Company. 220,040; Nov. 17.
Polish, Automobile. S. A. Mead. 218,014; Nov. 17.
Polish, Furniture. Sunglow Company. 220,483; Nov. 17.
Preparations for removing paint and varnish, etc. India Alkali Works. 217,711; Nov. 17.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 17.

Cigars. H. L. Haines. 220,454; Nov. 17.
Cigars, cigarettes, and smoking tobacco. A. Gutierres. 220,654; Nov. 17.
Cigars, cigarettes, smoking tobacco, etc. Victor Talking Machine Company. 221,726; Nov. 17.

CLASS 19.

Oilers, Spring. C. Goodwin Bradley, Incorporated. 220,595; Nov. 17.
Vehicles, Air brakes and part thereof for motor-driven. Safety Air Brake Company. 215,766; Nov. 17.

CLASS 20.

Linoleums. W. & J. Sloane Manufacturing Company. 217,837; Nov. 17.

CLASS 22.

Baseball games. H. F. Neal. 221,072; Nov. 17.
Basket balls. Thos. E. Wilson & Co. 219,098; Nov. 17.
Dolls. Albert Bruckner's Sons. 220,700; Nov. 17.
Dolls. E. I. Horsman Co. Inc. 221,014; Nov. 17.
Exercising apparatus. L. Frankenfeld. 215,204; Nov. 17.
Footballs. Thos. E. Wilson & Co. 219,099; Nov. 17.
Game, Net. C. T. Shaffer. 220,089; Nov. 17.
Golf clubs and balls. Wilson-Western Sporting Goods Co. 220,438; Nov. 17.
Teeters, slides, and whirligigs. A. O. Edwards. 220,768; Nov. 17.
Toy blocks. Strombeck-Becker Manufacturing Company. 221,085; Nov. 17.
Toys, Mechanical. Republic Tool Products Co. 217,581; Nov. 17.

CLASS 23.

Adzes. Warren Tool and Forge Co. 221,394; Nov. 17.
Chisels. Warren Tool and Forge Co. 221,396; Nov. 17.
Diestocks. Oster Manufacturing Company. 218,017; Nov. 17.
Grading machines, Road. Stockland Road Machinery Co. 220,744–5; Nov. 17.
Linings for tube mills. F. L. Smidth & Co. 220,976; Nov. 17.
Locomotive beds, cradles, ash pans, buffer pockets, etc. Commonwealth Steel Company. 218,052; Nov. 17.
Mauls. Warren Tool and Forge Co. 221,395; Nov. 17.
Rock crushers, elevators, screens, graders, etc. Good Roads Machinery Company, Inc. 221,006; Nov. 17.
Tools and weights for textile machines, Band-tying. Cook-Taylor Co. 214,648; Nov. 17.
Truck apparatus, Auto. Auto Truck Industrial Appliances, Inc. 220,881; Nov. 17.

CLASS 32.

Display or show case for merchandise. E. C. Essinger. 219,620; Nov. 17.
Mattresses and pillows. Louisville Bedding Company. 216,841; Nov. 17.
Shades, Porch. Aeroshade Company. 219,794; Nov. 17.
Tables, chairs, desks, mirrors, etc. L. Bamberger & Company. 204,295; Nov. 17.

CLASS 33.

Bottles, Glass. Big Bill Bottling Company. 203,304; Nov. 17.
Globes and reflectors, Glass. Miller Company. 203,788; Nov. 17.
Pin trays or holders, Glass. L. W. Tiffany. 211,723; Nov. 17.

CLASS 34.

Furnaces, Coal. Cokal Stoker Corporation. 219,274; Nov. 17.
Gas ranges. A-B Stove Company. 220,092; Nov. 17.
Oil burners. Barrett Blue Blaze Burner Co., Inc. 219,469; Nov. 17.

CLASS 35.

Lining, Ford transmission. Atlas Asbestos Company. 201,319; Nov. 17.
Tires, Inner tubes for. W. R. Calhoun. 206,939; Nov. 17.
Transmission bands for automobiles. Russell Manufacturing Company. 220,576; Nov. 17.

CLASS 37.

Paper. Bennett Printing Company. 219,025; Nov. 17.
Paper impregnated and coated with materials of non-sticking qualities. Cleveland Liner & Manufacturing Co. 218,796; Nov. 17.
Paper-wrapped pencils, crayons, pencils. American Crayon Company. 198,553; Nov. 17.
White shelf paper. Appleton Coated Paper Company. 216,447; Nov. 17.

CLASS 38.

Booklets, circulars, and pamphlets. Northern Pacific Railway Company. 219,986; Nov. 17.
Labels and tags. Hind & Harrison Plush Company. 218,121; Nov. 17.
Magazine issued monthly. Doubleday, Page & Co. 213,012; Nov. 17.
Publication, Annual. R. Palmer. 218,572; Nov. 17.

CLASS 39.

Apparel, Wearing. Marcus Breier's Sons. 215,045; Nov. 17.
Bloomers and princess slips, Silk. Durable Petticoat Co. 220,943; Nov. 17.
Boots and shoes. Simon Collier, Limited. 219,015; Nov. 17.
Boots and shoes, Welting for. P. E. Barbour. 220,888; Nov. 17.
Caps. H. Newman Co. 219,984; Nov. 17.
Coats, vests, and trousers, collars, hats, etc. Desmond Clothing Company. 215,058; Nov. 17.
Corsets. Lord & Taylor. 220,662; Nov. 17.
Gloves. Nobility Gloves, Inc. 202,563; Nov. 17.
Heel cushions. Silverite Co. 214,753; Nov. 17.
Heels, Shoe. Durable Rubber Corporation. 210,368; Nov. 17.
Heels, soles, boots, etc., made of rubber. Hood Rubber Company. 215,921; Nov. 17.
Hosiery. Nelson Knitting Company. 199,294–5; Nov. 17.
Overalls and one-piece work suits. Great Six Overalls, Inc. 220,211; Nov. 17.
Overalls and pants, shirts, underwear, etc. Rice-Stix Dry Goods Company. 219,306; Nov. 17.
Shoes. A. M. Creighton. 220,705; Nov. 17.
Shoes. Sawyer Shoe Co. 200,018; Nov. 17.
Shoes, Leather. Leonard & Barrows. 220,347; Nov. 17.
Shoes, Leather. E. S. Levy & Company. 215,157; Nov. 17.
Shoes, Rubber and leather. Endicott Johnson Corporation. 213,123; Nov. 17.
Shoes, Welting for fine. P. E. Barbour. 220,060; Nov. 17.
Suits and coats, dresses, underwear, corsets, neckwear, etc. National Department Stores, Inc. 200,517; Nov. 17.
Underwear and night wear, Men's. Four Square Underwear Co. 220,605; Nov. 17.
Underwear, Knit. Maline Mills Company. 204,918; Nov. 17.
Vests. George W. Heller, Inc. 220,609; Nov. 17.
Waists, overblouses, capes, sweaters, etc. N. Wilson. 211,193; Nov. 17.

CLASS 40.

Combs, hairpins, hair clasps, etc. New-York Hamburger Gummi-Waaren Compagnie. 214,433; Nov. 17.
Waistbands to engage with a shirt, Devices sewed on the inside of trouser. H. S. Hirsch. 217,514; Nov. 17.

CLASS 42.

Linen piece goods. Abouchar & Co. 214,836; Nov. 17.
Piece goods. Kummer, Upmann & Company. 219,248; Nov. 17.
Silk and cotton fabric. N. Fluegelman & Co. 215,297 Nov. 17.
Silk, cotton, and silk and cotton mixture piece goods. Fried, Mendelson & Company. 204,899; Nov. 17.
Silk piece goods. G. Abrash. 219,467; Nov. 17.
Silk piece goods. J. N. Adam & Co. 218,941; Nov. 17.
Silk piece goods, printed piece goods, etc. Bendix & Fiber, Inc. 216,497; Nov. 17.
Woolen piece goods. Forstmann & Huffmann Company. 217,608–9; Nov. 17.

CLASS 43.

Thread. Union Thread Company. 221,676; Nov. 17.

CLASS 45.

Lithia water. R. D. Thackston. 221,891; Nov. 17.
Mineral-spring water, ginger ale, root beer, etc. Tashmoo Springs Water Co. 221,144; Nov. 17.
Orange drink. Exchange Orange Products Company. 221,174; Nov. 17.

CLASS 46.

Apples, poultry, live broilers, eggs, etc. W. M. E. Whitlock. 219,018; Nov. 17.
Barley. Keen, Robinson & Company Limited. 210,125; Nov. 17.
Candy. G. E. Downs. 219,419; Nov. 17.
Candy. Potter Confectionery Co. 219,139; Nov. 17.
Candy bars. F. A. Martoccio Company. 213,517; Nov. 17.
Canned peas. Oconomowoc Canning Co. 219,905; Nov. 17.
Canned shrimp and oysters. C. B. Foster Packing Co. 218,003; Nov. 17.
Canned vegetables. Howard E. Jones & Co. 214,552; Nov. 17.
Catchup, pickles, canned fish, olives, canned fruits, and vegetables, etc. Mid-Central Fish Company. 215,469; Nov. 17.
Chili sauce, Worcestershire sauce, tomato catchup, and mayonnaise dressing. H. F. Voss Company, Inc. 220,748; Nov. 17.
Coffee. Alton Mercantile Company. 218,726; Nov. 17.
Coffee. J. Aron & Company, Inc. 219,518; Nov. 17.
Coffee. Kona Coffee Company. 218,705; Nov. 17.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Coffee. Lexington Coffee Company. 211,171; Nov. 17.
Coffee. A. Schilling & Co. 173,728; Nov. 17.
Coffee. Swanson Brothers. 218,342; Nov. 17.
Coffee, flavoring extracts, and spices. William Boardman & Sons Co. 218,047; Nov. 17.
Coffee, tea, spices, extracts, and flavoring seeds. Tone Brothers. 198,202; Nov. 17.
Condiments, sauces, bouillon cubes, etc. Haco Gesellschaft A.-G. Bern. 208,810; Nov. 17.
Corn meal, buckwheat and pancake flour, etc. J. F. Eesley Milling Co. 220,512; Nov. 17.
Feed, Livestock. Dr. Fenton's Vigor-Tone Co. Inc. 220,712; Nov. 17.
Fish, Fresh and cured. National Fish Co. 218,988; Nov. 17.
Flour. Little Crow Milling Company. 220,548; Nov. 17.
Fruits and fresh grapes, Fresh deciduous. Mettler Fruit Co. 216,922; Nov. 17.
Fruits, Dried. California Packing Corporation. 214,852; Nov. 17.
Grapes, cherries, and plums, Fresh. J. C. Doherty. 218,542; Nov. 17.
Grapes, Fresh. W. G. Micke. 208,250; Nov. 17.
Gum, Chewing. Shelby Gum Co. 217,367; Nov. 17.
Haddock fillets, salt haddock, fish flakes, etc. Bay State Fishing Company. 219,321; Nov. 17.
Hams, bacon, dried beef, poultry, etc. W. A. Donnelly. 218,107; Nov. 17.
Lettuce, asparagus, and cantaloupes, Fresh. Lee Stevens and Pearson Bros. 218,435; Nov. 17.
Meal, grits, and hominy feed. Boney & Harper Milling Company. 219,220; Nov. 17.
Milk, buttermilk, and cream. Harmony Creamery Company. 208,654–5; Nov. 17.
Milk chocolate. Knickerbocker Chocolate Co. 210,847; Nov. 17.
Oil, Olive. B. Filippone & Co. 220,020; Nov. 17.
Oils, Olive. Carbonell y Cia. 217,132; Nov. 17.
Oranges, lemons, and grapefruit. Duart-Monrovia Citrus Association. 219,810; Nov. 17.
Oranges, lemons, and grapefruit, Fresh. Foothill Groves. 212,909; Nov. 17.
Peaches, canned fish, etc., Evaporated. H. Wedekind & Co. 219,792; Nov. 17.
Pineapples, coffee, and fresh vegetables and fruits. E. S. Cochran. 149,888; Nov. 17.
Preserved fruits, jams, and jellies, dried fruits, nuts, fresh fruits, and vegetables. C. M. Raymond. 219,349; Nov. 17.
Sauerkraut. E. A. Ransing Sons. 215,220; Nov. 17.
Spice. Joseph Burnett Company. 218,536; Nov. 17.
Vegetables, Fresh. A. E. Barker & Co. of Calif. 217,062; Nov. 17.
Vinegar. Red Star Yeast and Products Company. 220,878; Nov. 17.

CLASS 50.

Awnings. Geo. B. Carpenter & Co. 219,876; Nov. 17.
Cotton, linen, or silk textile fabrics in the piece. E. S. Twining & Company. 217,191; Nov. 17.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 17TH DAY OF NOVEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Co. Roofing shingle. 1,561,581; Nov. 17.

Abrams, Harry, Syracuse, N. Y. Holder for carrying pig lead. 165,196; Nov. 71.

Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Ball-lamp adapter. Des. 68,752; Nov. 17.

Abrams, Herman, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa. Ball-lamp adapter. Des. 68,753; Nov. 17.

Abrams, Herman, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa. Pendant for lighting fixtures. Des. 68,754; Nov. 17.

Abrams, Herman, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa. Pendant for lighting fixtures. Des. 68,755; Nov. 17.

Aeromarine Plane & Motor Company. (See Chilton, Roland, assignor.)

Aeromarine Plane & Motor Company. (See Hayes, Frank A., assignor.)

Aglow, Harry, New York, N. Y., assignor to Artcraft Metal Stamping Corporation. Backplate for lighting fixtures. Des. 68,756; Nov. 17.

Agnew, James B., and A. A. Oeffner, Mount Union, Pa. Heating system for kilns. 1,562,135; Nov. 17.

Ahlgren, Arthur I., et al. (See Johannesen, Johan E., assignor.)

Airdry Corporation. (See Eppler, Lloyd C., assignor.)

Albe, Manufacturing Company, The. (See Beitman, Albert B., assignor.)

Albright, Robert R., York, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Tire-chain-hook pliers. 1,561,501; Nov. 17.

Alden, Carroll R., assignor to Ex-Cell-O Tool and Manufacturing Company, Detroit, Mich. Speed-measuring device. 1,561,452; Nov. 17.

Aldrich, Lester K., Sidney, Ohio. Automatic register. 1,562,271; Nov. 17.

Allcutt, Chester T., and H. R. Van Deventer, Pittsburgh, Pa. Automobile tire-chain connecter. 1,561,897; Nov. 17.

Allen, Frank B., Cynwyd, Pa., assignor, by mesne assignments, to F. H. Dunbar. Ash gate. 1,561,761; Nov. 17.

Allen, Frank B., Lower Merion Township, Montgomery County, Pa., assignor, by mesne assignments, to F. H. Dunbar. Wall construction. 1,561,762; Nov. 17.

Allison, Joseph J., New Orleans, La., assignor to R. H. Stull and A. Maze, Indianapolis, Ind. Shoulder-strap retainer. 1,562,272; Nov. 17.

Althen, Frederick C., Anamosa, Iowa. Milk-bottle carrier. 1,561,453; Nov. 17.

Aluminum Company of America. (See Hoopes, William, assignor.)

Aman, Josephine. (See Hartenstein, Willy, assignor.)

American Auto Lamp Co. (See Berk, William, assignor.)

American Can Company. (See Butler, William F., assignor.)

American Crayon Company, The. (See Daniel, Charles E., assignor.)

American Cyanamid Company. (See Cooper, Kenneth F., assignor.)

American Fabrics Company, The. (See Page, Samuel H., assignor.)

American Insulating Machinery Company. (See Magee, James C., assignor.)

American Lakes Paper Company. (See Kress, Otto, assignor.)

American Lurgi Corporation. (See Klencke, Hans, assignor.)

American Optical Company. (See Tully, George L., assignor.)

American Pulley Company, The. (See Bowen, Russell H., assignor.)

American Ship Building Company, The. (See La France, John, assignor.)

American Telephone and Telegraph Company. (See Conover, Elmer J., assignor.)

American Telephone and Telegraph Company. (See Cory, Samuel I., assignor.)

American Telephone and Telegraph Company. (See Sandalls, George, jr., assignor.)

American Telephone and Telegraph Company. (See Vernam, Gilbert S., assignor.)

Amsco Products, Inc. (See Hardy, Charles, assignor.)

Amsler, Alfred, Schaffhausen, Switzerland. Recording instrument. 1,562,273; Nov. 17.

Anciens Etablissements Pathe Freres. (See Merle, André N., assignor.)

Anderson, Gustaf A., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Bolster. 1,562,022; Nov. 17.

Anderson, John E., Waukesha, Wis. Wringer clamp. 1,561,965; Nov. 17.

Anderson, Oscar H., assignor to Story & Clark Piano Co., Grand Haven, Mich. Mechanism for regulating the expression in apparatus for playing musical instruments. 1,562,023; Nov. 17.

Anderson, Oscar H. (See Harcourt, S. R., and Anderson.)

Anderson, Ria O., assignor to Western Casket Co., Oakland, Calif. Combined casket and lining. Des. 68,757; Nov. 17.

Anderson, Ria O., assignor to Western Casket Co., Oakland, Calif. Combined casket and lining. Des. 68,758; Nov. 17.

Anderson, Ria O., assignor to Western Casket Co., Oakland, Calif. Combined casket and lining. Des. 68,759; Nov. 17.

Andreasen, Harry N., Chicago, Ill. Dime-savings bank. 1,561,502; Nov. 17.

Andrew, John P., North Pelham, N. Y. Playing game. 1,562,197; Nov. 17.

Animal Trap Company of America. (See Jones, A. C., and O'Neil, assignors.)

Anthony, Wendell P., Ridley Park, Pa., assignor to The Mynol Chemical Company. Dispensing device. 1,561,582; Nov. 17.

Antisell, Frank L., Perth Amboy, N. J. Apparatus for concentrating liquids. 1,561,898; Nov. 17.

Appelman, Erastus W., assignor to A. Larrabee, Clemont, Iowa. Game board. Des. 68,760; Nov. 17.

Arca Regulators Incorporated. (See Carlstedt, Ragnar, assignor.)

Ard, John F., Jackson, La. Grass-seed separator. 1,562,274; Nov. 17.

Arlington Mills. (See Christison, H., and Nutting, assignors.)

Armstrong, Joseph M., Alexandria, Va. Book-supporting device. 1,562,275; Nov. 17.

Armstrong Manufacturing Company. (See Watson, George R., assignor.)

Arringdale, Leroy O., assignor to Edson Manufacturing Corporation, Boston, Mass. Pumping apparatus. 1,562,069; Nov. 17.

Arrow Electric Company, The. (See Nero, Arvid H., assignor.)

Artcraft Metal Stamping Corporation. (See Aglow, Harry, assignor.)

Ashby, Allen B., Bonners Ferry, Idaho. Return envelope. 1,561,454; Nov. 17.

Ashley, Frank M. (See Trust, H., and Ashley.)

Aske, Leonard E., Duluth, Minn. Electric heater and vaporizer. 1,561,814; Nov. 17.

Aske, Leonard E., Duluth, Minn. Electric heater or vaporizer. 1,561,815; Nov. 17.

Assenzio, Antonino, New York, N. Y. Buoyant chair. 1,562,276; Nov. 17.

Atlas Manufacturing Company, The. (See Wittstein, Herman L., assignor.)

Atlas Portland Cement Company, The. (See Croll, Andrew G., assignor.)

Atwood, Harry N., Monson, assignor to Rubwood, Inc., Lawrence, Mass. Composite laminated structure and making same. 1,561,763; Nov. 17.

Atwood, Harry N., Monson, assignor to Rubwood, Inc., Lawrence, Mass. Pneumatic vehicle wheel. 1,561,764; Nov. 17.

Atwood, Harry N., Monson, assignor to Rubwood, Inc., Lawrence, Mass. Manufacturing composite vehicle wheels. 1,561,765; Nov. 17.

Atwood, Harry N., Monson, assignor to Rubwood, Inc., Lawrence, Mass. Pneumatic vehicle wheel. 1,561,766; Nov. 17.

Aubé, Jean, assignor to Société Anonyme: Anciens Etablissements Loy et Aubé, Paris, France. Suction burner with regulation of oil by variation of level and of suction force. 1,561,527; Nov. 17.

Austin, Herbert, Bromsgrove, and H. Challenor, Northfield, England; said Challenor assignor to said Austin. Tonneau windshield. 1,561,816; Nov. 17.

Austin Machinery Corporation. (See Linderman, Bert A., assignor.)

Automatic Word Counter, Inc. (See Llorens, Louis M., assignor.)
Avery, W. & T., Limited. (See Sykes, Cameron M., assignor.)
Axtell, Leland E., et al. (See Carlson, Frank W., assignor.)
Babcock & Wilcox Company, The. (See Spyer, Arthur, assignor.)
Bacon, Raymond F., W. H. Kobbé, New York, N. Y., and P. H. Bascom, Boundbrook, N. J., assignors to Texas Gulf Sulphur Company, Bay City, Tex. Sulphur-containing article. 1,561,767; Nov. 17.
Bahr, Fritz, Berlin, Germany, assignor to General Electric Company. Preparing electrodes. 1,562,277; Nov. 17.
Bailey, Arby W., Iron River, Wis. Railway gate. 1,562,136; Nov. 17.
Bailey, Edward J., jr., Philadelphia, Pa. Metallic building structure. 1,562,198; Nov. 17.
Bain, Carl C., Mount Lebanon Borough, assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa. Mechanical toy. 1,561,633; Nov. 17.
Baird, Daniel S., Hamilton, Ontario, Canada. Magazine-wrapping machine. 1,562,024; Nov. 17.
Baker Casing Shoe Company. (See Baker, Reuben C., assignor.)
Baker, George, Pershing, Okla. Combined gas and oil nozzle. 1,561,966; Nov. 17.
Baker, Reuben C., Coalinga, Calif., assignor to Baker Casing Shoe Company. Cement basket. 1,561,768; Nov. 17.
Ballard, Arthur H., assignor to Ballard Oil Burning Equipment Company, Boston, Mass. Oil-burning apparatus. 1,562,278; Nov. 17.
Ballard Oil Burning Equipment Company. (See Ballard, Arthur H., assignor.)
Ballew, Neual W., Kansas City, Mo. Vacuum-insulated container. 1,561,769; Nov. 17.
Baltzley, Louis E., Glen Ridge, N. J. Adjusting device. 1,562,070; Nov. 17.
Barber, Ernest, Paterson, N. J. Gauge for looms. 1,561,817; Nov. 17.
Barbet, Emile A., Paris, France. Extracting benzols from heavy oils. 1,561,899; Nov. 17.
Barbour, Fred R., Los Angeles, Calif. Route indicator. 1,561,818; Nov. 17.
Barkeiew Electric Manufacturing Company. (See Denny, C. W., McLaughlin and Helwig, assignors.)
Barnard, George A., Pembine, Wis. Game trap. 1,561,680; Nov. 17.
Barnes, Charles W., Mansfield, Ohio. Wrench. 1,561,681; Nov. 17.
Barnes, Howard T., Montreal, Quebec, Canada. Loosening ice accumulations. 1,562,137; Nov. 17.
Barnes, Joseph, assignor to L. V. B. Tension Company, New Bedford, Mass. Thread-tensioning means. 1,562,071; Nov. 17.
Barnes, Joseph, assignor to L. V. B. Tension Company, New Bedford, Mass. Thread-tensioning means. 1,562,072; Nov. 17.
Barr and Stroud, Limited. (See Barr, A., and Stroud, assignors.)
Barr, Archibald, and W. Stroud, Glasgow, assignors to Barr and Stroud, Limited, Anniesland, Glasgow, Scotland. Mechanical relay. 1,562,279; Nov. 17.
Barry, James J., New York, and C. Birdseye, Yorktown Heights, N. Y. Brining machine. 1,561,503; Nov. 17.
Barry, James J., New York, N. Y., assignor of one-half to W. T. Gamage, Gloucester, Mass. Machine for treating foods. 1,562,280; Nov. 17.
Bartels, Carl. (See Goldsmith, G. M., and Bartels.)
Barton, Paul D. (See Prutsman, P. W., and Barton.)
Bascom, Perry H. (See Bacon, R. F., Kobbé, and Bascom.)
Bash, Francis E., Morristown, N. J., assignor to Brown Instrument Company, Philadelphia, Pa. Optical pyrometer. 1,561,583; Nov. 17.
Bass, E. & J., Incorporated. (See Negbaur, Harry, assignor.)
Batchelor, Harold, Jersey City, N. J., assignor to A. J. Sterling, New York, N. Y. Effecting closures. 1,562,073; Nov. 17.
Batchelor, Telford C., and C. T. Latch, Birmingham, England. Elevator construction. 1,562,281; Nov. 17.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Plaster machine. 1,561,584; Nov. 17.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Packer. 1,561,585; Nov. 17.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Cement packer. 1,561,586; Nov. 17.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Jigging device for bag-filling machines. 1,561,587; Nov. 17.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Cement packer. 1,561,588; Nov. 17.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Dustproof shaft casing. 1,561,589; Nov. 17.
Bates Valve Bag Company. (See Bates, Adelmer M., assignor.)
Baum, David, assignor to The Baum Machine Co., Livermore Falls, Me. Machine for turning shoes and the like. 1,562,282; Nov. 17.
Baum Machine Company, The. (See Baum, David, assignor.)
Baum, Seymour J., Flushing, N. Y. Airplane gas tank and making same. 1,562,074; Nov. 17.
Baumann, Karl, Urmston, England, assignor to Westinghouse Electric and Manufacturing Company. Radiating or cooling apparatus. 1,562,199; Nov. 17.
Beal, Ralph R., Palo Alto, assignor, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif. Radiotelegraphy. 1,561,819; Nov. 17.
Beat, John, et al. (See Chladek, Joseph C., assignor.)
Beat, Roy A., et al. (See Chladek, Joseph C., assignor.)
Beck, Alwin H., assignor to A. Bielle, Rochester, N. Y. Motion-picture apparatus. 1,562,283; Nov. 17.
Beck, Ernest T., assignor to International Silver Co., Meriden, Conn. Metal border strip for a plate or similar article. Des. 68,761; Nov. 17.
Beck, Ernest T., assignor to International Silver Co., Meriden, Conn. Flower holder. Des. 68,762; Nov. 17.
Beck, William O., Ridgefield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,562,200; Nov. 17.
Becker, Arman E., Newark, N. J., assignor to Standard Development Company. Preparing lubricant-carrier material. 1,562,138; Nov. 17.
Becket, Frederick M., assignor to Electro Metallurgical Company, New York, N. Y. Nickel-plated article. 1,561,900; Nov. 17.
Bedford, Douglas J., Derby, England. Starting internal-combustion engines. 1,561,820; Nov. 17.
Beeneck, Joseph S., Nanticoke, Pa. Adjustable shade holder. 1,561,634; Nov. 17.
Beggs, Thomas R., Hartford, Conn. Flush valve. 1,561,504; Nov. 17.
Beitman, Albert B., Cleveland Heights, assignor to The Albe Manufacturing Company, Cleveland, Ohio. Vehicle spring and shackle casing. 1,561,682; Nov. 17.
Bellinger, Edmund C., Atlanta, Ga. Steering means for tractors. 1,561,505; Nov. 17.
Bemis Bro. Bag Company. (See Plass, Robert H., assignor.)
Bendix, Vincent, Chicago, Ill. Engine starter. 1,561,683; Nov. 17.
Benedict, Hershel A., East Orange, and E. M. Moller, Jersey City, N. J. Combination housing and oiler. 1,561,528; Nov. 17.
Benham, Edgar M., Norwood, Ohio, assignor to The Mosler Lock Company, Covington, Ky. Lock. 1,561,901; Nov. 17.
Benjamin Electric Manufacturing Company. (See Steele, W. D., and Benjamin, assignors.)
Benjamin, Reuben B. (See Steele, W. D., and Benjamin.)
Benolken, Frank A., Helena, Mont. Locomotive construction. 1,562,284; Nov. 17.
Berk, William, assignor to American Auto Lamp Co., Inc., New York, N. Y. Lamp bracket. 1,562,407; Nov. 17.
Berkowitz, Max, Richmond Hill, N. Y. Hand bag. 1,562,408; Nov. 17.
Berry, George W., assignor of one-half to C. J. Rhodes, Wakefield, England. Draw press for sheet metal. 1,561,770; Nov. 17.
Berry, George W., assignor of one-half to C. J. Rhodes, Wakefield, England. Press for drawing sheet metal. 1,561,902; Nov. 17.
Berry, George W., assignor of one-half to C. J. Rhodes, Wakefield, England. Press for drawing sheet metal. 1,562,075; Nov. 17.
Berry, Richard T., Georgetown, Miss. Fuel saver. 1,562,139; Nov. 17.
Bertona, Salvatore, New York, N. Y. Artificial wreath and making same. 1,561,455; Nov. 17.
Bessat, Adolphe, and L. L. Lièvens, Nanterre, France. Attachment for printing machines. 1,561,821; Nov. 17.
Best, Frank E., Inc. (See Best, Frank E., assignor.)
Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Lock. 1,561,771; Nov. 17.
Bethlehem Steel Company. (See Schenck, C., and Fine, assignors.)
Betts, Arthur L. (See Davis, A., jr., and Betts.)
Beyea, Frank H., assignor to J. R. Gammeter, Akron, Ohio. Bead core for pneumatic tires. 1,561,684; Nov. 17.
Bibb, Martin L., Seattle, Wash. Cleaning device. 1,562,285; Nov. 17.
Bienenstein, Andreas, assignor to The Conklin Pen Manufacturing Company, Toledo, Ohio. Fountain pen. 1,561,590; Nov. 17.
Bijur, Joseph, New York, assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Starting apparatus. 1,561,685; Nov. 17.
Bill, Gottlieb F., Minidoka, Idaho. Foot rule. 1,561,822; Nov. 17.
Binder, Leo J., Spokane, Wash. Furnace grate. 1,561,456; Nov. 17.
Bindschedler, Emile, Lansdowne, Pa., assignor to Tubize Artificial Silk Company of America. Manufacturing artificial silk and other products from nitrocellulose. 1,562,076; Nov. 17.



Bingay, Robert V., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Oil-cooled transformer. 1,562,428; Nov. 17.
Bingham, Charles E., New York, N. Y. Hat. Des. 68,763; Nov. 17.
Bird, Richard L., and H. C. Jex, Salt Lake City, Utah. Billboard. 1,562,140; Nov. 17.
Birdsey, Charles R., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Plaster board. 1,561,635; Nov. 17.
Birdseye, Clarence. (See Barry, J. J., and Birdseye.)
Bisbee, Walter G. (See Hoffman, B. P., and Bisbee.)
Bisbing, Edward, Somerset, Pa. Lock nut. 1,562,141; Nov. 17.
Bishop, Frank, Los Angeles, Calif. Lawn-edging attachment. 1,561,823; Nov. 17.
Blanchard, Harold L., Northbridge, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Device to prevent rotation of bobbins. 1,561,686; Nov. 17.
Bielle, Anthony. (See Beck, Alwin H., assignor.)
Bliffert, Walter J., Milwaukee, Wis. Combined vaporizer and auxiliary air-inlet device. 1,562,077; Nov. 17.
Bliss, E. W., Company. (See Towne, Walter M., assignor.)
Bloker, C. L., et al. (See Rogers, Burr S., assignor.)
Bloker, R. E., et al. (See Rogers, Burr S., assignor.)
Boas, André, assignor to Société Anonyme des Engrenages Citroen, Paris, France. Driving arrangement for rolling mills or for the mechanical transmission of power from electric motors. 1,561,529; Nov. 17.
Boehm, Henry M., Minneapolis, Minn. Flowerpot. 1,561,824; Nov. 17.
Boericke, John J., Merion, Pa. Producing molybdenum and vanadium alloys. 1,562,201; Nov. 17.
Bojner, Gustav, Karlstad, Sweden. Treating liquids by heat. 1,561,636; Nov. 17.
Boles, Marshall R., and A. J. Snavely, Fountain City, Tenn. Coil box. 1,562,286; Nov. 17.
Bostedo, Louis G., Oak Park, Ill. Combined radiator and boiler. 1,561,591; Nov. 17.
Bothe, Otto, Steglitz, near Berlin, and L. Schiff, Berlin, Germany. Electric sound-reproducing device. 1,561,825; Nov. 17.
Bott, Leo P., jr., Little Rock, Ark. Game. 1,561,592; Nov. 17.
Boving, Henrik, assignor to Western Electric Company, Incorporated, New York, N. Y. Forming metallic compositions. 1,562,202; Nov. 17.
Bowen, David R., Ansonia, and C. F. Schnuck, New Haven, assignors to Farrel Foundry & Machine Company, Ansonia, Conn. Machine for treating rubber or other plastic material. 1,561,903; Nov. 17.
Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Securing together the component parts of metallic spools or reels and apparatus useful to this end. 1,562,419; Nov. 17.
Bracale, Giuseppe, assignor to The G & O Manufacturing Company, New Haven, Conn. Radiator support. 1,561,904; Nov. 17.
Braczik, Isadore, Detroit, Mich. Pipe union. 1,562,142; Nov. 17.
Brady, Edward J., Oswego, N. Y. Shingle fastener. 1,562,409; Nov. 17.
Brand, Frederick F., Pittsfield, Mass., assignor to General Electric Company. Electrical apparatus. 1,562,143; Nov. 17.
Brannan, Guss, Indian Gap, Tex. Power hoe. 1,561,457; Nov. 17.
Brayton, Harold M., Dover, N. J. Point-detonating fuse. 1,561,687; Nov. 17.
Bremer, Henry R., Kansas City, Mo. Compound-screw-power device. 1,561,826; Nov. 17.
Bristol, William M., Highland, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Fruit-juice extractor or similar article. Des. 68,764; Nov. 17.
Britton, George W., assignor to J. P. Steedman, Hamilton, Ontario, Canada. Adjustable connecter between a scale beam and shelf lever or pendulum. 1,561,688; Nov. 17.
Britton, George W., assignor to J. P. Steedman, Hamilton, Ontario, Canada. Type-registering scale. 1,561,689; Nov. 17.
Britton, W. F. (See Wheichel, Lyman F., assignor.)
Broadwell, Edward H., Longmeadow, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 68,765; Nov. 17.
Brody, Maurice D., Chicago, Ill. Pencil. 1,561,827; Nov. 17.
Brown, Donald, Newcastle-upon-Tyne, England. Brake. 1,561,905; Nov. 17.
Brown Instrument Company. (See Bash, Francis E., assignor.)
Brown Instrument Company, The. (See Brown, Richard P., assignor.)
Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Thermoelectric couple. 1,561,593; Nov. 17.
Bryant Electric Company, The. (See Eyraud, Joseph F., assignor.)
Buck, Sterling P. (See Michalove, Philip, assignor.)
Buckley, Edward H., Philadelphia, Pa. Skyrocket. 1,561,690; Nov. 17.
Buffalo Foundry & Machine Company. (See How, Harlan W., assignor.)



Buick, David D., Detroit, Mich. Carburetor. 1,561,967; Nov. 17.
Bunce, Earl M., Fenton, Mich. Vehicle wheel. 1,562,287; Nov. 17.
Bunting, Norman E. (See Mowry, E., and Bunting.)
Burandt, Gustav, assignor to Marquette Manufacturing Company, St. Paul, Minn. Collapsible luggage carrier. 1,562,410; Nov. 17.
Burnham, John S., Biddeford, Me. Builder mechanism for winding machines. 1,561,691; Nov. 17.
Burnham, John S., Biddeford, Me. Builder mechanism for winding machines. 1,561,692; Nov. 17.
Burke, Paul, assignor to Northwest Engineering Company, Green Bay, Wis. Pull shovel. 1,562,288; Nov. 17.
Burns, John L., Syracuse, N. Y. Friction clutch. 1,562,144; Nov. 17.
Burstyn, Walther, Berlin, Germany. Soldering iron. 1,561,968; Nov. 17.
Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Machine for positioning and cutting fish. 1,562,289; Nov. 17.
Buxton, Incorporated. (See Buxton, Warner R., assignor.)
Buxton, Warner R., Longmeadow, Mass., assignor to Buxton, Incorporated. Case for keys and the like. 1,561,906; Nov. 17.
Byrnes, Clarence P., Sewickley, Pa. Compound metal and making the same. 1,562,145; Nov. 17.
Cahill, Anthony M., assignor to United States Gauge Company, Sellersville, Pa. Compound pressure gauge. 1,561,458; Nov. 17.
California Fruit Growers Exchange. (See Bristol, William M., assignor.)
Cambron, Adrien, Tottenville, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Accelerator for the vulcanization of rubber. 1,562,146; Nov. 17.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Company. Refrigerator car. 1,562,078; Nov. 17.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car-door-operating mechanism. 1,562,203; Nov. 17.
Campbell, Neal J., St. Louis, Mo. Railway crossing. 1,562,147; Nov. 17.
Canadian I. T. S. Rubber Company, The. (See Crowell, Orby B., assignor.)
Cannard, William H., and G. A. Shaffer, Green Bay, Wis., assignors to said Cannard. Sheet-interfolding machine. 1,561,907; Nov. 17.
Cannard, William H., and G. A. Shaffer, Green Bay, Wis., assignors to said Cannard. Interfolding machine. 1,561,908; Nov. 17.
Caracristi, Virginius Z., Bronxville, and J. V. Santry, New York, N. Y., assignors to Locomotive Pulverized Fuel Company. Pulverized-fuel apparatus. 1,562,411; Nov. 17.
Carlson, Frank W., assignor of one-fourth to J. N. Scarlett and one-fourth to L. E. Axtell, Oilfields, Calif. Pump-rod-handling device. 1,562,148; Nov. 17.
Carlson, Oscar H., assignor to Estey Piano Company, New York, N. Y. Player piano. 1,561,772; Nov. 17.
Carlson, Robert, Greenwich, Conn. Game. 1,562,290; Nov. 17.
Carlstedt, Ragnar, Stockholm, Sweden, assignor to Arca Regulators Incorporated. Electric-furnace control. 1,562,204; Nov. 17.
Carnation Milk Products Company. (See Grindrod, George, assignor.)
Carpenter, Allan O., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Governor controller for internal-combustion engines. 1,561,778; Nov. 17.
Carpenter, Campbell C., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Treatment of wood separators. 1,561,774; Nov. 17.
Carpenter, Campbell C., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Treatment of plates for storage batteries. 1,561,775; Nov. 17.
Carse, Orlando M., Cleveland, assignor to The McMyler Interstate Company, Bedford, Ohio. Rope-deflecting device. 1,561,459; Nov. 17.
Carter, Ernest, Melrose Highlands, Mass. Humidifier for internal-combustion engines. 1,561,693; Nov. 17.
Case, Gerald O., assignor to Rubacrete Limited, London, England. Roadway, paving blocks, and the like. 1,562,291; Nov. 17.
Cash, Joseph, Tipton, England. Supporting the molding box or pattern plate of foundry molding machines. 1,561,637; Nov. 17.
Cashin, William J., New York, N. Y. Guy-wire holder. 1,561,460; Nov. 17.
Catlin, Thomas S., Waveland, Ind. Signal-lamp casing. Des. 68,766; Nov. 17.
Cement Gun Construction Co. (See Schaefer, John V., assignor.)
Central Tool Company, The. (See Jaques, Fernando O., jr., assignor.)
Chaffee, Floyd O. (See Harrison, A. W., and Chaffee.)
Challenor, Herbert. (See Austin, H., and Challenor.)
Chamberland, William D., Minneapolis, Minn. Milk-pail holder. 1,561,828; Nov. 17.

Chance, Thomas M., Philadelphia, Pa. Producing fluid mediums of high density. 1,561,909; Nov. 17.
Chapin, Andrew V., Ferndale, Calif. Disk harrow. 1,562,079; Nov. 17.
Chappell, Marvin L. (See Faber, J. F., Hanna, and Chappell.)
Cheaney, Thomas F., Fort Lauderdale, Fla. Printing projector. 1,561,910; Nov. 17.
Chempanos, Frank G., New York, N. Y. Combined dresser and bed. 1,562,205; Nov. 17.
Chilton, Roland, Keyport, N. J., assignor to Aeromarine Plane & Motor Company, Inc. Engine starter. 1,561,506; Nov. 17.
Chilton, Roland, Keyport, N. J., assignor to Aeromarine Plane & Motor Company, Inc. Universal joint. 1,562,080; Nov. 17.
Chipman, Voness D. (See Gilkerson, Roland H., assignor.)
Chladek, Joseph C., assignor of one-fourth to R. A. Beat and one-fourth to J. Beat, Mount Horeb, Wis. Dual rotary snowplow. 1,562,206; Nov. 17.
Choinski, Alexander B. (See Choinski, Brun B., assignor.)
Choinski, Brano B., assignor of forty-nine one-hundredths to A. B. Choinski, Milwaukee, Wis. Heating attachment for stove and furnace pipes. 1,561,461; Nov. 17.
Chrabkow, John B., Cincinnati, Ohio. Sector switch. 1,561,969; Nov. 17.
Christ, Thomas C., assignor to Crescent Brass Mfg. Co., Reading, Pa. Swivel joint for lighting fixtures. Des. 68,767; Nov. 17.
Christison, Hugh, Methuen, Mass., and C. L. Nutting, Salem, N. H., assignors to Arlington Mills, Lawrence, Mass. Removing free sulphur from grease. 1,561,911; Nov. 17.
Cincinnati Car Company, The. (See Elliott, Thomas, assignor.)
Cincinnati Coffin Company, The. (See Drinkuth, Edward, assignor.)
Civis, James A., and E. J. Govanus, assignors to Titchener-Diehl Company, Chicago, Ill. Automatic wire machine. 1,561,594; Nov. 17.
Clark, Ed W., Byesville, Ohio. Pinion or pulley coupling. 1,561,507; Nov. 17.
Clark, Edgar H., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Registering system. 1,561,912; Nov. 17.
Clements, R. S., et al. (See Cundy, Arthur B., assignor.)
Clutter, Bird C., Akron, Ohio. Scoop attachment for power-operated excavating apparatus. 1,561,694; Nov. 17.
Cockcroft, Percy R. (See Smith, H. C., and Cockcroft.)
Coffin, Joel S., Jr. (See Scheilens, E. L., and Coffin.)
Coffin, Joseph G., Hempstead, N. Y., assignor to Morgan & Wright, Detroit, Mich. Testing machine. 1,561,970; Nov. 17.
Coffin, Joseph G., Hempstead, and A. W. Keen, New York, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Treating pulverulent material and product. 1,561,971; Nov. 17.
Cohen, Louis. (See Maubergne, J. O., Cohen, and Hill.)
Cohn, Irwin E., New York, N. Y. Toy with movable features. 1,561,829; Nov. 17.
Coleman, Hamilton D., Biloxi, Miss. Pencil holder. 1,562,292; Nov. 17.
Coleman Lamp Company. (See Strong, Hiram W., assignor.)
Collard, Victor R., Balaclava, Victoria, Australia. Resilient suspension device for automobiles and like vehicles. 1,561,776; Nov. 17.
Colonial Lamp & Fixture Works, Inc. (See Nelson, Theodore J., assignor.)
Combination Blow Torch Manufacturing Company. (See Peterson, John, assignor.)
Conklin, George R., assignor of fifty-one per cent to M. Prulett, one-fourth to O. C. Patterson, and twenty-four per cent to V. P. Williams, Miami, Fla. Electric water heater. 1,562,293; Nov. 17.
Conklin Pen Manufacturing Company, The. (See Bienenstein, Andreas, assignor.)
Connell, Walter C., Yakima, Wash. Revolving name plate. 1,561,830; Nov. 17.
Conover, Elmer J., Decatur Ga., assignor to American Telephone and Telegraph Company. Telegraph repeater circuits. 1,561,530; Nov. 17.
Cooper, John J., New York, N. Y. Leg and foot developer. 1,562,294; Nov. 17.
Cooper, Kenneth F., Great Neck, assignor to American Cyanamid Company, New York, N. Y. Producing cyanide solutions. 1,562,295; Nov. 17.
Copeland, Edmund J., assignor to Copeland Products, Inc., Flint, Mich. Refrigerating apparatus. 1,561,831; Nov. 17.
Copeland Products, Inc. (See Copeland, Edmund J., assignor.)
Coppock, Frederick D., Greenville, Ohio. Slab for railway crossings. 1,562,296; Nov. 17.
Correia, Jose P. (See Medeiros, Emygdis S., assignor.)
Corsi, Nicola, New York, and A. Costantino, Brooklyn, N. Y. Insect trap. 1,561,832; Nov. 17.
Cory, Samuel I., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Telegraph circuits. 1,561,531; Nov. 17.
Cory, Samuel I., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Telegraph system. 1,561,532; Nov. 17.
Costantino, Angelo. (See Corsi, N., and Costantino.)
Costelloe, Clinton, and S. G. Stoll, Hammond, Ind. Automobile radiator. 1,561,695; Nov. 17.
Cover, Pearl, Anna, Ill. Milk ond cream separator spout. 1,562,297; Nov. 17.
Covert, Frank L., Kirkwood, N. Y. Dirigible airship. 1,561,696; Nov. 17.
Cox, Herbert T., Los Angeles, Calif. Card game. 1,562,149; Nov. 17.
Craig, Edward, St. Joseph, assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Box-blank-stapling machine. 1,562,412; Nov. 17.
Craig, Edward, St. Joseph, assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Making wirebound-box blanks. 1,562,413; Nov. 17.
Cram, Arthur, Redfield, S. Dak. Drafting instrument. 1,561,462; Nov. 17.
Crawford, Frederick C., Detroit, Mich., assignor to The Steel Products Company, Cleveland, Ohio. Drag-link element. 1,561,972; Nov. 17.
Creamery Package Mfg. Company, The. (See Larsen, Olaf, assignor.)
Creamery Package Mfg. Company, The. (See Valerius, Theodore L., assignor.)
Crescent Brass Mfg. Co. (See Abrams, Herman, assignor.)
Crescent Brass Mfg. Co. (See Christ, Thomas C., assignor.)
Croll, Andrew G., Weatherly, Pa., assignor to The Atlas Portland Cement Company. Making cement. 1,562,207; Nov. 17.
Crompton & Knowles Loom Works. (See Blanchard, Harold L., assignor.)
Crowell, Orby B., assignor to The Canadian I. T. S. Rubber Company Limited, Toronto, Ontario, Canada. Book cover. 1,561,638; Nov. 17.
Crowther, Walter M., Middletown, Ohio. Sheet doubler. 1,561,973; Nov. 17.
Cruickshank, Alexander, Matsqui, British Columbia, Canada. Plier wrench. 1,561,833; Nov. 17.
Cuba Self Loading Cane Truck Corporation. (See Reasoner, Claude C., assignor.)
Culver, Clarence C., Washington, D. C. Tridimensional radiocompass. 1,562,298; Nov. 17.
Cummins, Clessie L., assignor to Oil Engine Development Company, Columbus, Ind. Oil engine. 1,561,913; Nov. 17.
Cundy, Arthur B., assignor of four-twelfths to F. Lake, jr., three-twelfths to G. A. Stokes, one twenty-fourth to A. R. Mollette, and one twenty-fourth to R. S. Clements, Durango, Colo. Rotary internal-combustion engine. 1,562,299; Nov. 17.
Cunningham, Elmer T., San Francisco, Calif. Coil mounting. 1,561,834; Nov. 17.
Czapek, Stanley, Detroit, Mich., assignor to Radiant Specialty Co. Lighting fixture. Des. 68,768; Nov. 17.
Dahlstrand, Josef Y., assignor to Standard Turbine Corporation, Wellsville, N. Y. Steam turbine. 1,561,835; Nov. 17.
Daniel, Charles E., assignor to The American Crayon Company, Sandusky, Ohio. Candle holder. 1,561,508; Nov. 17.
Danly, Robert C. (See Ludwig, W. F., and Danly.)
Danville Conditioning Machine Company. (See Johnson, Adolph A., assignor.)
Davis, Augustine, jr., Covington, Ky., and A. L. Betts, Cincinnati, Ohio; said Betts assignor to said Davis. Vehicle tank. 1,562,300; Nov. 17.
Davis, Thomas J., Brooklyn, N. Y. Golf club. 1,561,595; Nov. 17.
Davidson, Isidore, Newark, N. J. Collapsible cup. 1,561,509; Nov. 17.
Davison, George C. (See Drinkwater, E. L., and Davison.)
Dawdy, Clyde M., Boone, Iowa. Auxiliary carburetor. 1,562,301; Nov. 17.
Dawson, Elma N. (See Dawson, James C., assignor.)
Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose-leaf binder. 1,562,081; Nov. 17.
Deagan, J. C., Inc. (See Little, Frederick B., assignor.)
Dean, John M., and A. N. Kittrelle, Memphis, Tenn. Respiratory mask. 1,562,302; Nov. 17.
De Busk, William H., assignor to The P. & M. Company, Chicago, Ill. Rail anchor. 1,562,303; Nov. 17.
De Busk, William H., assignor to The P. & M. Company, Chicago, Ill. Rail anchor. 1,562,304; Nov. 17.
Decheff, George, Detroit, Mich. Saw-filing machine. 1,562,305; Nov. 17.
Decheff, George, Detroit, Mich. File holder. 1,562,306; Nov. 17.
De Coster, Charles J. (See Egert, B. J., and De Coster.)
De Forest, Lee, New York, N. Y. Indicating device for fluid tanks. 1,561,596; Nov. 17.
De Laval Separator Company, The. (See Hall, Selden H., assignor.)
Del Cozzo, Joseph, Scotia, and A. W. Goble, Fortuna, Calif. Signaling device. 1,562,307; Nov. 17.
Del Guidice, Angelo, Youngstown, Ohio. Lock-control spigot. 1,561,974; Nov. 17.
Denny, Charles W., W. E. McLaughlin, and G. Helwig, assignors to The Barkelew Electric Manufacturing Company, Middletown, Ohio. Radio apparatus. 1,561,597; Nov. 17.





Denton, William L., Randsburg, Calif. Orthopedic apparatus. 1,562,150; Nov. 17.
De Rochemont, Allen C., Portsmouth, N. H. Counterbore. 1,561,463; Nov. 17.
Des Roches, Hilton H., assignor of one-half to F. F. Hayes, Butte, Mont. Mining drill. 1,561,975; Nov. 17.
De Segundo, Edward C., London, England. Apparatus for defibrating cottonseed and the like. 1,562,308; Nov. 17.
De Vecchis, Ineo, Rome, Italy, assignor to Home and Colonial Investments Limited, London, England. Extracting sugar from beets. 1,562,151; Nov. 17.
Dewar, William H., assignor to The Pooley Company, Philadelphia, Pa. Radiophonograph cabinet. Des. 68,769; Nov. 17.
Dewar, William H., assignor to The Pooley Company, Philadelphia, Pa. Radiocabinet. Des. 68,770; Nov. 17.
Dewhirst, Harry. (See Gammeter, J. R., and Dewhirst.)
Dewoitine, Emile, Toulouse, France. Aeroplane construction. 1,561,697; Nov. 17.
Dewoitine, Emile, Toulouse, France. Landing chassis and tail skid for aeroplanes. 1,561,698; Nov. 17.
De Ybarrondo, Vincent C., Los Angeles, Calif. Method and apparatus for developing films. 1,561,699; Nov. 17.
Diamond Crystal Salt Company. (See Gannon, Joseph J., assignor.)
Dickerson, Walter H., East Orange, N. J., assignor to Industrial Waste Products Corporation, Dover, Del. Concentrating and drying fruit juices. 1,562,309; Nov. 17.
Dill, Victor H., Dayton, Ohio. Mooring mast for airships. 1,562,310; Nov. 17.
Dimm, Chandos R., assignor to Robinson Manufacturing Company, Muncy, Pa. Cleaner for sifting screens. 1,562,311; Nov. 17.
Disher, Edward, et al. (See Thomas, Edward B., assignor.)
Doherty, Henry L., & Company. (See Griswold, John W., assignor.)
Donahoe, Mike J., jr., Sedalia, Mo. All-metal fence post. 1,561,976; Nov. 17.
Donnelly, Nell Q., Kansas City, Mo. Apron. 1,561,836; Nov. 17.
Dowd, Archie J. (See Jordan, J. D., and Dowd.)
Dowdall, Roy L., assignor, by mesne assignments, of one-half to J. F. Martin, Oberlin, Kans. Grain cleaner and dust separator for elevators. 1,561,777; Nov. 17.
Dowling, John J., Rathgar, Dublin, Irish Free State. Thermionic indicating means responsive to light variations. 1,561,837; Nov. 17.
Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-shoe construction. 1,561,700; Nov. 17.
Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-shoe construction. 1,561,701; Nov. 17.
Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-shoe construction. 1,561,702; Nov. 17.
Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-shoe construction. 1,561,703; Nov. 17.
Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-shoe construction. 1,561,704; Nov. 17.
Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-shoe construction. 1,561,705; Nov. 17.
Doyle, James S. (See Hedley, F., and Doyle.)
Draper, Charles F., Westmont, Quebec, Canada. Roller bearing. 1,562,812; Nov. 17.
Draper Corporation. (See Henault, James A., assignor.)
Draper Corporation. (See Johnson, Arthur S., assignor.)
Drenning, Percy R. (See Kadel, B., W., and Drenning.)
Drinkwater, Edgar L., Chicago, Ill. Plinth plate. 1,562,082; Nov. 17.
Drinkwater, Edgar L., and G. C. Davison, Chicago, Ill.; said Davidson assignor to said Drinkwater. Drawing board. 1,562,208; Nov. 17.
Drinkuth, Edward, assignor to The Cincinnati Coffin Company, Cincinnati, Ohio. Casket-handle socket. Des. 68,771; Nov. 17.
Duffie, Allen M., assignor to W. H. Robinson, Buffalo, N. Y. Electric water heater. 1,561,706; Nov. 17.
Du Grenier, Arthur H., Haverhill, assignor of one-half to H. B. Woods, Hudson, Mass. Check-controlled mechanism. 1,561,707; Nov. 17.
Du Grenier, Arthur H., Haverhill, assignor of one-half to H. B. Woods, Hudson, Mass. Vending machine. 1,562,152; Nov. 17.
Dunbar, Frank H. (See Allen, Frank B., assignor.)
Duncan, Frank B., Toledo, Ohio. Shade roller. 1,562,313; Nov. 17.
Dunham, Arminta A. (See Dunham, Orson W., assignor.)
Dunham, Orson W., Treece, assignor to A. A. Dunham, Baxter Springs, Kans. Stuffing box for pit bearings. 1,561,838; Nov. 17.
Duriron Company, The. (See Schenck, Peirce D., assignor.)
Dutton, Frank H., Johannesburg, Transvaal, South Africa, assignor to Boadrails Limited, Wembley Hill, Middlesex, England. Vehicle for service on roads and rails. 1,561,510; Nov. 17.
Eaton, George R., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,561,598; Nov. 17.
Eclipse Machine Company. (See Bijur, Joseph, assignor.)
Edgar, Eva C. M., Chatham, England. Animal toy. 1,561,639; Nov. 17.
Edson Manufacturing Corporation. (See Arringdale, Leroy O., assignor.)
Edwards, William H., Berkeley, Calif. Trap nest. 1,561,778; Nov. 17.
Eichman, Arthur W., assignor to A. Mueller, trustee, Decatur, Ill. Combined seat and table. Des. 68,772; Nov. 17.
Eickmeyer, Earl E., assignor to The National Recording Pump Company, Dayton, Ohio. Lock for fluid-dispensing apparatus. 1,561,839; Nov. 17.
Eisenberg, Harry J., Montgomery, Ala. Bottle. Des. 68,773; Nov. 17.
Egert, Benjamin J., Brookfield, and C. J. De Coster, Moline, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube-evacuating oven. 1,562,209; Nov. 17.
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,561,779; Nov. 17.
Elbern, Alwin, Mehlem/Rhein, Germany. Device for tensioning materials on frames. 1,562,153; Nov. 17.
Electric Manicuring Co., The. (See Mash, Charles A., assignor.)
Electro Chemical Engraving Company, The. (See Jacobus, Nelson L., assignor.)
Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
Elevator Supplies Company. (See Weeks, William W., assignor.)
Elkins, Carlos A., Dunning, Nebr. Duplicator. 1,562,314; Nov. 17.
Elliott, Harold F., and J. A. Miller, Palo Alto, assignors, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif. Radiofrequency system. 1,561,914; Nov. 17.
Elliott, Thomas, assignor to The Cincinnati Car Company, Cincinnati, Ohio. Railway-car truck. 1,562,315; Nov. 17.
Elliott, Thomas, Cincinnati, assignor to The Cincinnati Car Company, Winton Place, Ohio. Buffer for railway cars. 1,562,316; Nov. 17.
Elliott, Thomas, Cincinnati, assignor to The Cincinnati Car Company, Winton Place, Ohio. Railway car. 1,562,317; Nov. 17.
Ellis, John, Westview, Pa. Automatic gas-control snap. 1,561,915; Nov. 17.
Empire China Company. (See Jackson, William G., assignor.)
Engel, Frank, Syracuse, assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Casting machine. 1,561,780; Nov. 17.
English & Mersick Co., The. (See Kaimer, Richard V., assignor.)
Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
Eppler, Lloyd C., assignor to Airdry Corporation, Groton, N. Y. Coin-operated reciprocating time switch. 1,561,599; Nov. 17.
Erental, Richard F. (See Veith, I. A., and Erental.)
Erickson, Carl B., Fond du Lac, assignor of one-half to T. Thompson, Iola, Wis. Combined ax and brush hook. 1,562,154; Nov. 17.
Erickson, Frank G., and F. D. Oley, Kenosha, Wis. Motor-car stand. 1,562,426; Nov. 17.
Erlandson, Victor E., Osakis, Minn. Stock-disinfecting cover. 1,562,318; Nov. 17.
Ernst, David W., Flemington, N. J. Transmission band. 1,562,155; Nov. 17.
Ernst, Gotthard, Wolmirstedt, Germany. Swimming cushion. 1,561,916; Nov. 17.
Estes, Walker S. (See Keltner, Amos L., assignor.)
Estey Piano Company. (See Carlson, Oscar H., assignor.)
Evans, Harry L. (See Evans, William F., assignor.)
Evans, William F., Schenectady, assignor of one-half to H. L. Evans, New York, N. Y. Tool. 1,562,083; Nov. 17.
Ex-Cell-O Tool and Manufacturing Company. (See Alden, Carroll R., assignor.)
Eyraud, Joseph F., Lyon, France, assignor, by mesne assignments, to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,561,640; Nov. 17.
Faber, Jacob F., Los Angeles, H. C. Hanna, and M. L. Chappell, El Segundo, assignors to Standard Oil Company, San Francisco, Calif. Purifying mineral oils. 1,562,156; Nov. 17.
Faehndrich, William, Brooklyn, N. Y. Treating cheese. 1,561,781; Nov. 17.
Fahys, Joseph, Locust Valley, assignor to Joseph Fahys & Co., New York, N. Y. Watchcase. Des. 68,774; Nov. 17.
Fahys, Joseph, & Co. (See Fahys, Joseph, assignor.)
Fairall, Harry K., Los Angeles, Calif. Goggles. 1,562,319; Nov. 17.
Farbenfabriken vorm. Friedr. Bayer and Co. (See Hahl, Hans, assignor.)

Farish, William A., Brooklyn, N. Y. Refractory composition. 1,561,641; Nov. 17.

Farley, Henry A., assignor to The Tait Paper & Color Industries, Inc., Hackensack, N. J. Portable display or sample book. 1,562,320; Nov. 17.

Farnsworth, Samuel T., Rose Bay, near Sydney, and G. Haskins, Avon Dam, via Bargo, New South Wales, Australia. Discharging skip. 1,561,917; Nov. 17.

Farrel Foundry & Machine Company. (See Bowen D. R., and Schnuck, assignors.)

Faul, Alfred C., Buffalo, N. Y. Curtain and drapery protector. 1,561,840; Nov. 17.

Feagan, John H., Atlanta, Ga. Mechanical movement. 1,561,708; Nov. 17.

Feddersen, Erle D., Belle Plaine, Iowa. Child's vehicle. 1,561,918; Nov. 17.

Federal Telegraph Company. (See Beal, Ralph R., assignor.)

Federal Telegraph Company. (See Elliott, H. F., and Miller, assignors.)

Federated Engineers Development Corporation. (See Nichols, Robert P., assignor.)

Felkner, James, Centerville, Iowa. Adjustable door and gate latch. 1,561,642; Nov. 17.

Ferch, Karl E., Koepenick, Wis. Rail joint. 1,562,084; Nov. 17.

Feybusch, Martin, New York, N. Y., and P. W. Fleischer, Weehawken, assignors to New Jersey Machine Corporation, Hoboken, N. J. Can-labeling machine. 1,561,600; Nov. 17.

Fidler, Isaac, and R. C. Preston, High Point, N. C., assignors to Stehli Silks Corporation, New York, N. Y. Magnetic stop for spinning machines. 1,561,977; Nov. 17.

Field, Joseph C., Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,562,210; Nov. 17.

Field, Joseph C., Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Supervisory system. 1,562,211; Nov. 17.

Fields, Joseph A. (See Marcus, C. L., and Fields.)

Fien, Alphonsus, assignor to S. H. Pomeroy Company, Inc., New York, N. Y. Metal window. 1,562,212; Nov. 17.

Fien, Alphonsus, assignor to S. H. Pomeroy Company, Inc., New York, N. Y. Metal window. 1,562,213; Nov. 17.

Fine, Lewis. (See Schenck, C., and Fine.)

Fine, Samuel, Philadelphia, Pa. Power jack. 1,562,214; Nov. 17.

Firestone Tire and Rubber Company, The. (See Putt, Edward D., assignor.)

Fischer, Gustav W., Elizabeth, N. J. Collapsible stool. 1,562,215; Nov. 17.

Fisher, Arthur C. (See Morrison, M., Vass, and Fisher.)

Fisher Body Corporation. (See Simpson, Emory G., assignor.)

Fisher, Chalkley C. (See Pitts, Edward L., assignor.)

Fisk Rubber Company, The. (See Broadwell, Edward H., assignor.)

Fitch, Frank C. (See Ulery, C. E., and Fitch.)

Flaherty, James F., Philadelphia, Pa. Golf tee. 1,562,216; Nov. 17.

Fleischer, Paul W. (See Feybusch, M., and Fleischer.)

Fleming Machine Company. (See Hedeen, Karl, assignor.)

Fleury, Joseph E., Three Rivers, Quebec, Canada. Control of bisulphite-pulp cooking. 1,562,217; Nov. 17.

Fleury, Thomas J., Toronto, Ontario, Canada. Parachute toy. 1,561,533; Nov. 17.

Flexlume Corporation. (See Wiley, Roy R., assignor.)

Flexo Common Lath Company. (See Waller, John, assignor.)

Foran, Emmet W., Custer, S. Dak. Sleeve-valve motor. 1,561,709; Nov. 17.

Force, Wm. A., & Company. (See Spielman, Charles, assignor.)

Ford, William W., Philadelphia, Pa. Tank structure and lug therefor. 1,562,218; Nov. 17.

Foster, Edward F., Milwaukee, Wis. Labeling machine. 1,562,085; Nov. 17.

Foster Screen Co., The. (See Kihm, Otto R., assignor.)

Foulk, Albert C., Dayton, Ohio. Radiator condenser for internal-combustion engines. 1,562,219; Nov. 17.

Fowler, John E., Olean, N. Y. Window fixture. 1,561,511; Nov. 17.

Fraim, Samuel R., Lancaster, Pa. Display card. Des. 68,775; Nov. 17.

France, Antoine, Liege, Belgium. Plant for washing coal and other minerals by means of liquid streams. 1,561,919; Nov. 17.

Frattinger, Arthur F., Seattle, Wash. Sanitary protector for the stems of smokers' appliances. 1,562,321; Nov. 17.

Fredricks, Charles, Brooklyn, N. Y. Fishing tackle. 1,561,512; Nov. 17.

Frerichs, Frederick A., assignor to Horn & Brannen Mfg. Co., Philadelphia, Pa. Chandelier body for lighting fixtures. Des. 68,776; Nov. 17.

Frerichs, Frederick A., assignor to Horn & Brannen Mfg. Co., Philadelphia, Pa. Electric lantern. Des. 68,777; Nov. 17.

Friberg, Axel A., deceased, Pawhuska, Okla.; J. D. Mitchell, administrator. Arch support. 1,562,420; Nov. 17.

Friendly, Herbert M., Portland, Oreg. Telephone system. 1,561,710; Nov. 17.

Fritsch, Rudolf, Dresden, Germany. Device for moving curtainlike roundhorizons. 1,562,220; Nov. 17.

Frossard, John A., East Pepperell, Mass. Device for cleansing the surface of rolls. 1,561,513; Nov. 17.

Frost, Ellis F., Colonial Beach, Va. Producing sound. 1,562,221; Nov. 17.

Frye, Lewis A., Los Angeles, Calif. Tower for suspended railways. 1,561,841; Nov. 17.

Fulgora, Fred, assignor of forty-five per cent to J. M. McGrath, jr., and ten per cent to A. H. Leslie, Pittsburgh, Pa. Optical device. 1,561,920; Nov. 17.

Fulton, Charles E., Malta Bend, Mo. Radiator heater. 1,561,842; Nov. 17.

G & O Manufacturing Company, The. (See Bracale, Giuseppe, assignor.)

G. R. S. Products, Inc., The. (See Schumann, Leon W., assignor.)

Gaire, Paul E., Brussels, Belgium. Device for curling or undulating hair. 1,561,514; Nov. 17.

Galford, Everett H., Elkins, W. Va. Dumping truck. 1,562,222; Nov. 17.

Gamage, William T. (See Barry, James J., assignor.)

Gammeter, John R. (See Beyer, Frank H., assignor.)

Gammeter, John R. and H. Dewhirst, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., Shoe heel. 1,561,711; Nov. 17.

Gannestad, Thor, assignor to E. M. Moore, Pittsburgh, Pa. Hydrant. 1,562,223; Nov. 17.

Gannon, Joseph J., assignor to Diamond Crystal Salt Company, St. Clair, Mich. Closure. 1,561,601; Nov. 17.

Gansert, Herman, jr., Syracuse, N. Y. Electrically heated sadiron. 1,562,224; Nov. 17.

Gantt, Arthur D. (See Haynes, Robert E., assignor.)

Garcia, José F., Habana, Cuba. Plowing machine. 1,561,978; Nov. 17.

Garman, Raymond H., Wilmette, Ill. Instruction outfit for children. 1,562,225; Nov. 17.

Garrison, Orlando, Dayton, Ohio. Chuck. 1,561,843; Nov. 17.

Gas Light and Coke Company, The. (See Shannan, William V., assignor.)

Gauss, Julius M., assignor to The Studebaker Corporation, South Bend, Ind. Electroplating apparatus. 1,561,602; Nov. 17.

Gebrüder Sulzer Aktiengesellschaft at Winterthur. (See Hefti, Wilhelm, assignor.)

Geeson, William J., Thorold, Ontario, Canada. Railway clamp. 1,561,515; Nov. 17.

Geisman, Musliner & Brightman. (See Kolb, Frederick A., assignor.)

Gemza, John, Danbury, Conn. Antislipping device. 1,561,464; Nov. 17.

General Electric Company. (See Bahr, Fritz, assignor.)

General Electric Company. (See Brand, Frederick F., assignor.)

General Electric Company. (See Miller, Levi B., assignor.)

General Electric Company. (See Pacz, Aladar, assignor.)

General Electric Company. (See Powers, Jesse J., assignor.)

General Electric Company. (See Rice, Chester W., assignor.)

General Electric Company. (See Wilkinson, James, assignor.)

General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)

General Petroleum Corporation. (See Prutzman, Paul W., assignor.)

General Petroleum Corporation. (See Prutzman, P. W., and Barton, assignors.)

General Petroleum Corporation. (See Prutzman, P. W., and von Bibra, assignors.)

General Railway Signal Company. (See Howe, Winthrop K., assignor.)

Gerlach, Fred, et al., trustees. (See Lindgren, Alexus C., assignor.)

Gersman, Harvey M., Chicago, Ill. Production of expanded sheet metal. 1,562,157; Nov. 17.

Gersman, Harvey M., Chicago, Ill. Production of expanded metal (herringbone type). 1,562,158; Nov. 17.

Gesellschaft für Aluminothermie, m. b. H., Dr. Hans Goldschmidt. (See Goldschmidt, Hans, assignor.)

Gessler, Daniel J., San Francisco, Calif., assignor, by mesne assignments, to Universal Specialty Company. Combined electric heater and lamp stand. Des. 68,778; Nov. 17.

Gibson, Guy T., New Rochelle, N. Y. Perfume bottle. Des. 68,779; Nov. 17.

Gibson, Guy T., New Rochelle, N. Y. Perfume bottle. Des. 68,841; Nov. 17.

Gilkerson, Roland H., assignor of one-half to V. D. Chipman, Watertown, Wis. Antiglare device or eyeshield. 1,562,086; Nov. 17.

Gipson, Charles B., Tulsa, Okla. Rod rack. 1,561,844; Nov. 17.

Gitchel, Clinton, Kearney, Nebr. Game. 1,562,322; Nov. 17.

Given, Frederick J., East Orange, N. J., assignor to Western Electric Company Incorporated, New York, N. Y. Inductance coil. 1,561,782; Nov. 17.





Glade, George H., jr., Chicago, Ill. Automobile light. 1,561,603; Nov. 17.

Glants, Charles, Arkville, N. Y. Folding chair. 1,562,226; Nov. 17.

Gledhill, Edward C., Galion, Ohio. Wheel for road graders. 1,561,643; Nov. 17.

Glova, Anton, Hoboken, N. J. Foot gear. 1,561,516; Nov. 17.

Goble, Albert W. (See Del Cozzo, J., and Goble.)

Goggins, Fred J., et al. (See Harrison, A. W., and Chaffee, assignors.)

Goldschmidt, Hans, assignor to Gesellschaft für Aluminothermie, m. b. H., Dr. Hans Goldschmidt, Berlin, Germany. Welding metals. 1,562,227; Nov. 17.

Goldsmith, Gustave M., and C. Bartels, assignors to The Mosler Safe Company, Hamilton, Ohio. Safe construction. 1,561,783; Nov. 17.

Goldsmith, Gustave M., and C. Bartels, assignors to The Mosler Safe Company, Hamilton, Ohio. Safe construction. 1,561,845; Nov. 17.

Goldsmith, Hugo, assignor to The P. Goldsmith Sons Company, Cincinnati, Ohio. Protective garment. 1,561,712; Nov. 17.

Goldsmith, P., Sons Company, The. (See Goldsmith, Hugo, assignor.)

Gooderham, John W., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Registering system. 1,561,921; Nov. 17.

Goodrich, B. F., Company, The. (See Gammeter, J. R., and Dewhirst, assignors.)

Goodrich, B. F., Company, The. (See Kmentt, Waldemar D., assignor.)

Goodyear's India Rubber Glove Manufacturing Company, The. (See Jamieson, Frank F., assignor.)

Gore, Robert H., Chicago, Ill. Exercise bed. 1,561,979; Nov. 17.

Gorton, George, Machine Company. (See Horner, George, assignor.)

Gorton, Walter T., U. S. Army. Buffer mechanism for machine guns. 1,561,713; Nov. 17.

Gossling, Walter E., New York, N. Y., assignor to The Prest-O-Lite Company, Inc. Post and cover seal. 1,562,150; Nov. 17.

Gould, Kingdon, et al., executors. (See Shaw, Joseph, assignor.)

Goulding, Benjamin J. J., London, and J. Shuttleworth, Altrincham, assignors to Linotype and Machinery Limited, London, England. Rotary offset web-printing press. 1,561,517; Nov. 17.

Goulding, Benjamin J. J., Altrincham, assignor to Linotype and Machinery Limited, London, England. Apparatus for casting curved stereotype printing plates. 1,561,846; Nov. 17.

Govanus, Elmer J. (See Civis, J. A., and Govanus.)

Grabham, James A., Providence, R. I. Cement-stucco anchor nail. 1,561,518; Nov. 17.

Graham & Norton Company. (See Norton, Clifford, assignor.)

Grange, John D., Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Stencil sheet. 1,562,228; Nov. 17.

Grass Patents Corporation. (See Grass, William, assignors.)

Grass, William, Weehawken, N. J., assignor to Grass Patents Corporation, New York, N. Y. Lithographic printing. 1,562,323; Nov. 17.

Grass, William, Weehawken, N. J., assignor to Grass Patents Corporation, New York, N. Y. Lithographic plate and making the same. 1,562,324; Nov. 17.

Gray, Elmer E., Saugus, Mass. Stencil frame. 1,561,584; Nov. 17.

Green, Edward D., Chicago, Ill. Compound turbine blower. 1,561,847; Nov. 17.

Green, Ellis, Mineral Wells, Tex., assignor to F. W. Nuerwell, Tulsa, Okla. Gas burner. 1,561,848; Nov. 17.

Greenabaum, Alexander L., Chicago, Ill., assignor to O. F. Jordan Company, East Chicago, Ind. Road spreader or plow. 1,561,604; Nov. 17.

Greener, William O. S., Salcombe, South Devon, and J. C. Tibbits, Walsall, England. Nonreturn valve for fluids. 1,561,714; Nov. 17.

Greenspan, Adolph, Minatitlan, Vera Cruz, Mexico. Purifying hydrocarbons. 1,562,425; Nov. 17.

Gregg, Charles E., Jefferson, Pa. Harrow. 1,561,849; Nov. 17.

Gregory, Charles R., assignor of one-half to N. McBeath, London, England. Toy boomerang. 1,561,715; Nov. 17.

Grenier, Napoleon. (See Savard, G., and St. Amour, assignors.)

Griffith, Porter M., San Francisco, Calif. Baseball game. 1,561,716; Nov. 17.

Grindrod, George, Oconomowoc, Wis., assignor to Carnation Milk Products Company, Seattle, Wash. Apparatus for drying materials. 1,562,229; Nov. 17.

Griswold, John W., Warren, Pa., assignor to H. L. Doherty & Company, New York, N. Y. Method of and apparatus for controlling combustion. 1,562,087; Nov. 17.

Groebli, Joseph A., New York, N. Y. Bead-sewing machine. 1,561,605; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,783; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,784; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,785; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,786; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,787; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,788; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,789; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,790; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,791; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,792; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,793; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,794; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,795; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,796; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,797; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,798; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,799; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,780; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,781; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,782; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,800; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,801; Nov. 17.

Groebli, Paul, New York, N. Y. Lace. Des. 68,802; Nov. 17.

Gruen Watch Company, The. (See Schwettman, Harry W., assignor.)

Gudeman, David, Francesville, Ind. Automobile power jack. 1,562,160; Nov. 17.

Guild, Andrew, sr. (See McGuire, N. B., and Guild.)

Guinsburg, George K., assignor to I. B. Kleinert Rubber Company, New York, N. Y. Bathing cap. Des. 68,803; Nov. 17.

Gusdorf, Harold M., Indianapolis, Ind. Built-up pigskin-cutting block. 1,562,162; Nov. 17.

Gustafson, Andrew G., Aurora, Ill. Bumper-bar attachment. 1,561,465; Nov. 17.

Guterman, Samuel, New York, N. Y. Convertible furniture. 1,562,161; Nov. 17.

Guttly, Alphonse, Wisconsin Rapids, Wis. Coupling-element-attaching apparatus. 1,562,230; Nov. 17.

Guttman, Louis, Minneapolis, Minn. Pipe hanger. 1,561,850; Nov. 17.

Haage, Henry C. F., Akron, Iowa. Rotary snowplow. 1,561,851; Nov. 17.

Hahl, Hans, Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Pharmaceutical compound. 1,561,535; Nov. 17.

Hall, Douglas, Chicago, Ill. Toy bank. Des. 68,804; Nov. 17.

Hall, Selden H., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Nonaerating apparatus for centrifugally purifying liquids. 1,561,784; Nov. 17.

Hall Wheel Corporation. (See John, William E., assignor.)

Hallot, Paul, Paris, France. Method and device for braking railway and other vehicles. 1,562,325; Nov. 17.

Hamlet, Wilson L., Daviston, Ala. Weevil collector. 1,561,536; Nov. 17.

Handley, George F. (See Myers, L. C., and Handley.)

Hanna, Henry C. (See Faber, J. F., Hanna, and Chappell.)

Hanson, Bennie P., Cedar Falls, Iowa. Knockdown feeder. 1,561,644; Nov. 17.

Haraldson, Lewis S., Bowena, S. Dak. Box-car door. 1,561,852; Nov. 17.

Harcourt, Stillwell R., Chicago, Ill., and O. H. Anderson, assignors to Story & Clark Piano Co., Grand Haven, Mich. Mechanism for regulating the expression in apparatus for playing musical instruments. 1,562,163; Nov. 17.

Harder, William, Remsen, Iowa. Automatic crossing gate. 1,561,717; Nov. 17.

Hardy, Charles, assignor to Amsco Products, Inc., New York, N. Y. Fountain-pen clip. 1,562,326; Nov. 17.

Harmon, Melvin T., Price, Utah. Record holding and displaying frame for tombstones, monuments, etc. 1,561,718; Nov. 17.

Harper, John L., Seattle, Wash. Jack. 1,561,719; Nov. 17.

Harris, Henry, London, England. Apparatus for refining metals. Re16,213; Nov. 17.

Harris, James E., East Orange, N. J., assignor to Western, Electric Company, Incorporated, New York, N. Y. Coating electrodes. 1,562,164; Nov. 17.

Harrison, Arthur W., Los Angeles, and F. O. Chaffee, Eagle Rock, assignors, to F. J. Goggins, Los Angeles, Calif., and F. W. Kinney, Chicago, Ill. Coin-control mechanism for electric circuits. 1,562,421; Nov. 17.

Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustic device. 1,562,165; Nov. 17.

Harrison, Robert B., Ingram, and J. Silvester, assignors to A. J. Logan Company, Pittsburgh, Pa. Supporting frame for bed springs. 1,561,853; Nov. 17.

Hartenstein, Willy, Darmstadt, Germany, assignor to J. Aman, Los Angeles, Calif. Beet topper. 1,562,166; Nov. 17.

Hartenstein, Willy, Darmstadt, Germany, assignor to J. Aman, Los Angeles, Calif. Beet harvester. 1,562,167; Nov. 17.

Harvey, James M., Los Angeles, Calif. Locket. 1,562,168; Nov. 17.

Haskins, Gerald. (See Farnsworth, S. T., and Haskins.)

Hayes, Frank A., Keyport, N. J., assignor to Aeromarine Plane & Motor Company. Load-limiting device. 1,561,537; Nov. 17.

Hayes, Frank F. (See Des Roches, Hilton H., assignor.)

Haynes, Robert E., Gastonia, assignor of one-half to A. D. Gantt, Kings Mountain, N. C. Roll-weighting apparatus for cotton-spinning machines. 1,562,231; Nov. 17.

Hays, Cornelius H., Cleveland, Ohio. Means for automatically locking and retaining opening closures in an open position. 1,561,606; Nov. 17.

Healy, Albert D., Davenport, Wash. Cultivator and weeder. 1,561,466; Nov. 17.

Heath, Chancey F., Grand Rapids, Mich. Bedclothes support. 1,561,922; Nov. 17.

Heck, William, Saddlery Company. (See Stegner, George P., assignor.)

Hedeen, Karl, Chicago, Ill., assignor to Fleming Machine Company, Worcester, Mass. Valve-guide cleaner. 1,562,327; Nov. 17.

Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Multiple-unit door-control system for cars. 1,561,467; Nov. 17.

Heene, George W., Cleveland, Ohio. Embossing and printing machine. 1,561,607; Nov. 17.

Hefti, Wilhelm, Wuldingen, Switzerland, assignlor to the Firm of Gebruder Sulzer Aktiengesellschaft at Winterthur. Device for the admission of air to internal-combustion engines on board ships. 1,562,169; Nov. 17.

Hein, George N., San Francisco, Calif. Adjustable packing for hypodermic syringes. 1,561,854; Nov. 17.

Heller, L., & Son, Inc. (See Heller, Samuel, assignor.)

Heller, Samuel, assignor to L. Heller & Son, Inc., New York, N. Y. Cut stone or similar article. Des. 68,805; Nov. 17.

Heller, Samuel, assignor to L. Heller & Son, Inc., New York, N. Y. Cut stone or similar article. Des. 68,806; Nov. 17.

Heltzel, Francis O., York, Pa., assignor to Truscon Steel Company, Youngstown, Ohio. Concrete form. 1,561,923; Nov. 17.

Helwig, George. (See Denny, C. W., McLaughlin, and Helwig.)

Henault, James A., Easthampton, assignor to Draper Corporation, Hopedale, Mass. Selvage-loop retainer. 1,562,232; Nov. 17.

Henderson, Albert L. (See Richardson, J., and Henderson.)

Henry, Augustus M., Brooklyn, assignor to W. W. Welting, trustee, College Point, N. Y. Metal founding. 1,561,924; Nov. 17.

Heptner, Leopold F., Johnstown, Pa. Rail clamp. 1,561,855; Nov. 17.

Hespe, Alfred T., New York, N. Y. Thermometer. 1,561,925; Nov. 17.

Hespe, Alfred T., East Orange, N. J. Thermometer tube. 1,561,926; Nov. 17.

Heyer, Alfred J., assignor to Harry L. Hussmann Refrigerator & Supply Company, St. Louis, Mo. Refrigerator hinge. Des. 68,842; Nov. 17.

Heyer, Edward A., New York, N. Y. Wall construction. 1,562,233; Nov. 17.

Heyman, Albert A., assignor to The Universal Cigar Machinery Co. Inc., Baltimore, Md. Tobacco-feeding machine. 1,561,856; Nov. 17.

Higginbotham, Earl, et al. (See Sprouse, Verner E., assignor.)

Hill, Guy, et al. (See Mauborgne, J. O., Cohen, and Hill.)

Hill, Henry C. (See Hill, John W. and H. C.)

Hill, John W. and H. C., Wyoming, Ohio. Automatic speed controller. 1,561,785; Nov. 17.

Hill, William R., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y. Dial assembly. Des. 68,807; Nov. 17.

Hoard, Clarence, Victoria, British Columbia, Canada. Adjustable roof. 1,562,234; Nov. 17.

Hoe, R., and Co. (See Stuke, Herman, assignor.)

Hoff, Elmer, Wheeling, W. Va. Velocipede. 1,561,538; Nov. 17.

Hoffman, Ben P., and W. G. Bisbee, Bristow, Okla. Swab. 1,562,235; Nov. 17.

Hogan, John J., St. Louis, Mo. Railway tie. 1,562,088; Nov. 17.

Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Tabulator mechanism for typewriters. 1,561,539; Nov. 17.

Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Ribbon-feed mechanism. 1,561,540; Nov. 17.

Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Ribbon vibrator for typewriters. 1,561,541; Nov. 17.

Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Battery vent cap. Des. 68,808; Nov. 17.

Holley, Earl. (See Meloche, Daniel H., assignor.)

Holley, William V., New York, N. Y., assignor to New York Bath Manufacturing Co. Detachable frame for service wagons. 1,562,089; Nov. 17.

Holliday Radio & Manufacturing Company. (See Pihl, Albert, assignor.)

Holstein, Adolph M., Syracuse, N. Y. Making ornamental articles. 1,562,170; Nov. 17.

Holtz, John B., Los Angeles, Calif. Display device. 1,562,236; Nov. 17.

Home and Colonial Investments Limited. (See De Vecchis, Ineo, assignor.)

Homer, Albert R. (See Powell, E. H., and Homer.)

Hones, Ernst G., Dusseldorf, Germany. Tool for guiding and shaping metal and the like. 1,561,857; Nov. 17.

Hoopes, William, assignor to Aluminum Company of America, Pittsburgh, Pa. Electrolytic cell. 1,562,090; Nov. 17.

Hoornbeek, Henry G., Springfield, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-working machine. 1,562,171; Nov. 17.

Horn & Brannen Mfg. Co. (See Frerichs, Frederick A., assignor.)

Horner, George, assignor to George Gorton Machine Company, Racine, Wis. Engraving machine. 1,562,237; Nov. 17.

Houdaille, Maurice, Levallois-Perret, France. Suspension for vehicles. 1,561,542; Nov. 17.

Hoult, Jarvis L., Montreal, Quebec, Canada. Adjustable grate. 1,561,543; Nov. 17.

Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,562,172; Nov. 17.

How, Harlan W., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Valve-operating mechanism. 1,561,544; Nov. 17.

Howard, Mentor, Weatherford, Tex. Sprayer. 1,561,645; Nov. 17.

Howard, Moses B., San Francisco, Calif. Pitch-lowering device for musical instruments. 1,562,091; Nov. 17.

Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control system. 1,562,328; Nov. 17.

Hrankowsky, Stephen, Detroit, Mich. Surgical instrument. 1,561,927; Nov. 17.

Hudgins, Herbert E., Shreveport, La. Bumper. 1,562,329; Nov. 17.

Huemann, Hubert M., Wallace, Idaho. Clock mechanism. 1,561,786; Nov. 17.

Hughes, Thomas A., assignor to Wolff Manufacturing Corporation, Chicago, Ill. Sand mold. 1,561,720; Nov. 17.

Huguet, Antonio C., Buenos Aires, Argentina. Lathe. 1,562,173; Nov. 17.

Hull, John C., Gasport, N. Y. Spraying device. 1,561,646; Nov. 17.

Humphrey, Joseph A., Seattle, Wash. Toy dirigible. 1,561,721; Nov. 17.

Hussmann, Harry L., Refrigerator & Supply Company. (See Heyer, Alfred J., assignor.)

Industrial Waste Products Corporation. (See Dickerson, Walter H., assignor.)

Ingersoll-Rand Company. (See Carpenter, Allan O., assignor.)

Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)

Ingersoll-Rand Company. (See Miller, Ralph, assignor.)

Ingersoll-Rand Company. (See Redfield, Snowden B., assignor.)

International Harvester Company. (See Mowry, E., and Bunting, assignors.)

International Harvester Company. (See Raney, Clemma R., assignor.)

International Motor Company. (See Masury, A. F., and Leipert, assignors.)

International Silver Co. (See Beck, Ernest T., assignor.)

Irby, Rufus A., Long Beach, Miss. Toy gun. 1,562,092; Nov. 17.

Ireland, Glen V., Miles City, Mont. Welding, brazing, and tempering compound. 1,562,330; Nov. 17.

Irving-Pitt Manufacturing Company. (See Pitt, William P., assignor.)

Jackson, Simeon S., assignor to The Stafford Company, Boston, Mass. Picker-stick check for looms. 1,562,422; Nov. 17.

Jackson, William G., Los Angeles, assignor to Empire China Company, Burbank, Calif. Plate or similar article. Des. 68,810; Nov. 17.

Jacob, Heinrich, assignor to the Firm of Optische Anstalt C. P. Goers Aktiengesellschaft, Friedenau, near Berlin, Germany. Binocular. 1,561,858; Nov. 17.



Jacobus, Nelson L., Hempstead, assignor to The Electro Chemical Engraving Company, Brooklyn, N. Y. Calendar stand. Des. 68,809; Nov. 17.

Jamieson, Frank F., Montreal, Quebec, Canada, assignor to The Goodyear's India Rubber Glove Manufacturing Company. Stripping device. 1,562,331; Nov. 17.

Jampel, Louis M., New York, N. Y., Spinning top. Des. 68,811; Nov. 17.

Jaques, Fernando O., jr., Providence, assignor of one-half to The Central Tool Company, Cranston, R. I. Thickness gauge or feeler. 1,562,332; Nov. 17.

Jaquith, Clara M., Denver, Colo. Dust bag for vacuum cleaners. 1,561,928; Nov. 17.

Jenkins, Carl H. (See Smith, Earl H., assignor.)

Jenter, Martin T. C., Mount Vernon, N. Y. Method and mounting for advertising displays. 1,561,929; Nov. 17.

Jex, Heber C. (See Bird, R. L., and Jex.)

Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Motor. 1,561,722; Nov. 17.

Johannesen, Johan E., assignor of one-fourth to J. A. Johannsen, and three-sixteenths to A. I. Ahlgren, Brooklyn, N. Y. Garment. 1,561,545; Nov. 17.

Johansen, John A., et al. (See Johannesen, Johan E., assignor.)

John, William E., assignor to Hall Wheel Corporation, Philadelphia, Pa. Resilient ring and making same. 1,561,608; Nov. 17.

Johnson, Adolph A., Hanes, N. C., assignor, by mesne assignments, to Danville Conditioning Machine Company, Inc., Danville, Va. Attachment for cone-winding machines. Re16,211; Nov. 17.

Johnson, Andrew W., Chester, Pa. Oil burner and generator. 1,561,930; Nov. 17.

Johnson, Arthur E. (See Ranney, W. B., and Johnson.)

Johnson, Arthur S., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading shuttle for looms. 1,561,980; Nov. 17.

Johnson, Christ, Shelby, Mont. Fireman's ax. 1,561,647; Nov. 17.

Johnson, Leo C., Detroit, Mich. Burner and generator. 1,562,333; Nov. 17.

Johnson, Peter W., Coeur d'Alene, Idaho. Lawn trimmer. 1,562,174; Nov. 17.

Jolly, James, Bolton, England, assignor to Whitin Machine Works, Whitinsville, Mass. Cotton comber. 1,561,931; Nov. 17.

Jones, Allan C. and J. O'Neil, Oneida, N. Y., assignors, by mesne assignments, to Animal Trap Company of America, Lititz, Pa. Animal trap. 1,562,334; Nov. 17.

Jones, Charles W., Seattle, Wash. Reflecting device for motor vehicles. 1,562,335; Nov. 17.

Jones, David W., assignor to David Round & Son, Cleveland, Ohio. Chain coupling. 1,561,787; Nov. 17.

Jordan, James D., Riverside, and A. J. Dowd, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Coiling or winding apparatus. 1,561,468; Nov. 17.

Jordan, O. F., Company. (See Greenabaum, Alexander L., assignor.)

Juelfs, Allen A., McPherson, Kans. Dump-body tailgate mounting. 1,561,981; Nov. 17.

Juer, George, Hopewell, Va., assignor to Tubize Artificial Silk Company of America. Nitrating cellulose. 1,562,093; Nov. 17.

Kadel, Byers W., and P. R. Drenning, Baltimore, Md., assignors, by mesne asignments, to The Symington Company. Draft rigging. 1,562,094; Nov. 17.

Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Wear plate for car-truck columns and making the same. 1,562,095; Nov. 17.

Kaimer, Richard V., assignor to The English & Mersick Co., New Haven, Conn. Latch for vehicle door. 1,562,006; Nov. 17.

Karpenko, Archip, New York, N. Y. Hog's-head cutter. 1,561,547; Nov. 17.

Karpenko, Archip, New York, N. Y. Hog carrier. 1,561,548; Nov. 17.

Kasal, Henry, Kewaunee, Wis. Repair tip for steel plowpoints. 1,561,648; Nov. 17.

Kaul, Herman M., Cedarburg, Wis. Blow-off for boilers. 1,562,336; Nov. 17.

Kaye, James E., assignor to The Kaye Shoe Tree Manufacturing Co., Inc., New York, N. Y. Shoe-tree. 1,561,982; Nov. 17.

Kaye Shoe Tree Manufacturing Co., The. (See Kaye, James E., assignor.)

Keefover, John O., Tulsa, Okla. Walking beam. 1,561,723; Nov. 17.

Keen, Alexis W. (See Coffin, J. G., and Keen.)

Keller, Albert T. (See Keller, Harry W. and A. T.)

Keller, Arnold B., et al., trustees. (See Lindgren, Alexus C., assignor.)

Keller, Harry W., Pittsburgh, and A. T. Keller, Bethlehem, Pa. Apparatus for casting metallic vehicle wheels. 1,561,983; Nov. 17.

Kellogg Switchboard and Supply Company. (See Eaton, George R., assignor.)

Kelly, Henry D., Kansas City, Mo. Leacher bucket. 1,561,788; Nov. 17.

Kelly, William A., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,561,932; Nov. 17.

Kelsch, Jean C., Levallois Perret, France. Rear shield with automatic windscreen. 1,562,337; Nov. 17.

Keltner, Amos L., assignor to W. S. Estes, Tulsa, Okla. Derrick. 1,561,724; Nov. 17.

Kemble, Thomas S., Cleveland, Ohio. Muffler construction. 1,561,859; Nov. 17.

Kendall, Allen B., Niagara Falls, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Exhaust-control mechanism for air-brake systems. 1,561,469; Nov. 17.

Kendall, Burton W., assignor to Western Electric Company, Incorporated, New York, N. Y. Source of alternating current. 1,561,933; Nov. 17.

Kennebeck, Joseph J., Kansas City, Mo. Optical instrument and lens. 1,561,860; Nov. 17.

Kennedy, George C., Waterloo, Iowa. Game apparatus. 1,561,609; Nov. 17.

Kennedy, James E., Bacolod, P. I. Steam-generating plant. 1,561,546; Nov. 17.

Kennedy, Walter J., New York, N. Y. Game device. 1,561,934; Nov. 17.

Kent, Edgar F. (See Steele, L. J., Kent, and Madden.)

Kent, Otis B., Washington, D. C., and R. L. Miller; said Miller assignor to Otis Automatic Train Control, Inc., Spokane, Wash. Ramp device for automatic train-control systems. 1,562,097; Nov. 17.

Kercher, John, Chicago, Ill. Tobacco-smoking pipe. 1,562,175; Nov. 17.

Kerley, Albert C., Oakland, Calif. Pencil. 1,561,725; Nov. 17.

Kerr, George W., Springfield, Mass. Adjustable dovetail. 1,561,726; Nov. 17.

Kessler, John E., Philadelphia, Pa. Valve grinder. 1,561,935; Nov. 17.

Kier, Perry, Mankato, Kans. Attachment for test receptacles. 1,561,984; Nov. 17.

Kiesel, Walter C., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,561,936; Nov. 17.

Kihm, Otto R., Irvington, N. J., assignor to The Foster Screen Co., Inc. Window screen. 1,561,470; Nov. 17.

Kilius, Walter C., and J. F. Rudolph, Lompoc, Calif.; said Rudolph assignor to said Kilius. Thermocontainer. 1,561,937; Nov. 17.

Killman, Thomas A., Nashville, Tenn. Game apparatus. 1,562,025; Nov. 17.

Kimball, James L., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Apparatus for controlling combustion. 1,562,338; Nov. 17.

King, Herbert G., Victoria, Tex. Direction signal for automobiles. 1,562,339; Nov. 17.

Kingman, Russell B., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Abrasive fabric. 1,561,727; Nov. 17.

Kinney, Frank W., et al. (See Harrison, A. W., and Chaffee, assignors.)

Kinsley, Felix P., St. Louis, Mo. Wedding ring. Des. 68,812; Nov. 17.

Kirschbraun, Lester, Chicago, Ill. Waterproof and grease-proof paper. 1,561,728; Nov. 17.

Kiss, Alek, Flint, Mich. Building construction. 1,562,340; Nov. 17.

Kittrelle, Andrew N. (See Dean, J. M., and Kittrelle.)

Kleinert, I. B., Rubber Company. (See Guinsburg, George K., assignor.)

Kleinschmidt, Jacob, Kimmswick, Mo. Valve grinder. 1,562,098; Nov. 17.

Klencke, Hans, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Production of sulphuric acid. 1,561,985; Nov. 17.

Kmentt, Waldemar D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Abrading machine. 1,561,861; Nov. 17.

Knepper, Harry H., Detroit, Mich. Spring cushion or mattress. 1,561,729; Nov. 17.

Knight, Albert B., Fairmont, W. Va. Method of and apparatus for glazing and polishing glassware. 1,562,341; Nov. 17.

Knight, Albert B., Fairmont, W. Va. Glass-working burner. 1,562,342; Nov. 17.

Knight, Charles H., Canton, Ohio. Setworks for sawmills. 1,561,649; Nov. 17.

Knight, Raymond A. (See Nine, H. O., and Knight.)

Knowlton, William N., Jackson Heights, N. Y. Jack. 1,561,862; Nov. 17.

Kobbé, William H. (See Bacon, R. F., Kobbé, and Bascom.)

Kodama, Isami, Meadow Brook, Pa. Drinking glass. 1,561,730; Nov. 17.

Kolb, Frederick A., Newark, N. J., assignor to Geisman, Mustiner & Brightman, New York, N. Y. Leather or similar article. Des. 68,813; Nov. 17.

Kolts, John H., Crafton, Pa., assignor to Pittsburg Water Heater Company. Water valve for instantaneous water heaters. 1,561,938; Nov. 17.

Koreska, William. (See Lant, Richard, assignor.)

Kostka, Fritz, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Electric-arc furnace. 1,561,731; Nov. 17.

Kovalchik, Charles K., Bradley, Ohio. Carbide lamp. 1,562,026; Nov. 17.

Kraft, Selmer A., St. Paul, Minn. Hydraulic clutch. 1,561,549; Nov. 17.

Krans, Isidore, New York, N. Y. Arm for lighting fixture. Des. 68,814; Nov. 17.
Krans, Isidore, New York, N. Y. Bracket element of an electric-lighting fixture. Des. 68,815; Nov. 17.
Krans, Isidore, New York, N. Y. Bracket element of an electric-lighting fixture. Des. 68,816; Nov. 17.
Krans, Isidore, New York, N. Y. Electric-lighting fixture. Des. 68,817; Nov. 17.
Krentler-Arnold Hinge Last Company. (See Krentler, Edward O., assignor.)
Krentler, Edwin O., Detroit, Mich., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Assembling lasts. 1,562,099; Nov. 17.
Kress, Otto, Appleton, Wis., assignor to American Lakes Paper Company, Chicago, Ill. Composite moistureproof paper board. 1,561,471; Nov. 17.
Kuhne, Joseph, Iserlohn, Germany. Apparatus for making in the cold screw blanks, rivets, and similar headed articles. 1,561,863; Nov. 17.
Küppers, Karl, Aachen, Germany. Syringe. 1,561,986; Nov. 17.
L. V. B. Tension Company. (See Barnes, Joseph, assignor.)
La Bar, Bert G., Turtle Creek, Pa. Traffic-signal lamp. Des. 68,818; Nov. 17.
La Bore, Leroy W., Osborne, Kans. Post. 1,562,343; Nov. 17.
La France, John, Lorain, Ohio, assignor to The American Ship Building Company. Hatch cover. 1,562,344; Nov. 17.
Laird, Edwin C., Richmond, Va. Safety bedclothes holder. 1,562,027; Nov. 17.
Lake, Frank, jr., et al. (See Cundy, Arthur B., assignor.)
Lalanne, Paul E. (See Oakley, James O., assignor.)
Lamb, William G. (See Woodring, A. I., and Lamb.)
Lamson Company, The. (See Maclaren, James G., assignor.)
Lamson Company, The. (See Peebles, Frank B., assignor.)
Lane, William E., St. Louis, Mo. Tabulating scale for typewriting machines. 1,561,864; Nov. 17.
Langford, George, Joliet, Ill. Rail joint. 1,562,423; Nov. 17.
Lanham, Glenn D., Bay City, Mich. Head and valve construction for internal-combustion engines. 1,562,028; Nov. 17.
Lanston Monotype Machine Company. (See Pierpont, Frank H., assignor.)
Lant, Richard, assignor to W. Koreska, Vienna, Austria. Stencil sheet. 1,561,865; Nov. 17.
Larkin, Frank J., Chicago, Ill. Material-handling device. 1,561,866; Nov. 17.
Larrabee, Anna. (See Appelman, Erastus W., assignor.)
Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Valve. 1,561,867; Nov. 17.
Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Bottle filling and capping machine. 1,561,868; Nov. 17.
Larson, Charles E., and M. G. Swenson, Minneapolis, Minn. Casting apparatus. 1,562,029; Nov. 17.
Lashar, Thomas H., Chicago, Ill. Antitarnish composition. 1,561,650; Nov. 17.
Latch, Syril T. (See Batchelor, T. C., and Latch.)
Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball mitt. 1,562,176; Nov. 17.
Latoszewski, Josef, Plymouth, Pa. Mine-car stop. 1,561,987; Nov. 17.
Lauchlin, Elmyr A., Oregon, Ill. Draft rigging. 1,562,100; Nov. 17.
Laurie, Arthur P., Edinburgh, Scotland. Preservation of stone. 1,561,988; Nov. 17.
Lavell, Robert J., Cincinnati, Ohio. Scoop snowplow. 1,561,651; Nov. 17.
Lawrence, Ethel L. (See Laurence, William H., assignor.)
Lawrence, John H., London, England. Golf bag. 1,562,030; Nov. 17.
Lawrence, William H., assignor, by mesne assignments, of one-half to E. L. Lawrence, Westfield, Mass. Furnace-mouth lining for boilers. 1,562,031; Nov. 17.
Lawton, Samuel B., Cranston, R. I. Cotton lapper. 1,562,101; Nov. 17.
Lazear, Frank S. (See Lazear, Leroy C. and F. S.)
Lazear, Leroy C. and F. S., Chicago, Ill. Steering-wheel lock. 1,562,177; Nov. 17.
Leach, Elmer G., and C. R. Waddle, Olympia, Wash.; said Waddle assignor to said Leach. Hose-turning device. 1,562,345; Nov. 17.
Le Blanc, William, Sheridan, Me. Window shade and curtain fixture. 1,561,852; Nov. 17.
Lee, Roscoe F., Indianapolis, Ind. Mold for making lug stones. 1,561,550; Nov. 17.
Leidich, Peter C., Philadelphia, Pa. Drip for porch floors. 1,562,346; Nov. 17.
Leipert, August H. (See Masury, A. F., and Leipert.)
Le Massena, William H., Glen Ridge, N. J. Bottle-cover holder. 1,562,102; Nov. 17.
Lenk, Gus F., Dallas, Tex. Forced-draft system for incinerators. 1,561,732; Nov. 17.
Lenk, Gus F., Dallas, Tex. Charging hopper and cover for incinerators. 1,561,733; Nov. 17.
Lenk, Gus F., Dallas, Tex. Intensifying and combustion chamber for incinerators. 1,561,734; Nov. 17.
Leslie, A. H., et al. (See Fulgora, Fred, assignor.)
Letson, Charles L. (See Vogt, Philipp, assignor.)
Lewis, Atlee J., Mansfield, Ohio. Spring roller for sun visors. 1,561,551; Nov. 17.
Libson, Isaac, assignor to Sunlight Reflector Co., Inc., Brooklyn, N. Y. Lighting fixture. 1,562,347; Nov. 17.
Liévens, Léon L. (See Bessat, A., and Liévens.)
Ligniez, Kurt, Mannheim, Germany. Inlet control for reciprocating engines. 1,561,552; Nov. 17.
"Lignojen" Maschinen- und Apparatebau G. m. b. H. (See Moscovitch, Bernard, assignor.)
Lindemann, A. J., & Hoverson Company. (See Lindemann, Walter C., assignor.)
Lindemann, Walter C., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Camp stove. 1,561,610; Nov. 17.
Linderman, Bert, A., assignor to Austin Machinery Corporation, Chicago, Ill. Snow compressor. 1,561,472; Nov. 17.
Lindgren, Alexus C., St. Charles, assignor, by mesne assignments, to F. Gerlach and A. B. Keller, trustees, Chicago, Ill. Clutch. 1,561,611; Nov. 17.
Lindsay, Philip K., Somerville, Mass., assignor to Spray Painting & Finishing Equipment Sales Co. Pneumatic highway marker. 1,561,553; Nov. 17.
Linguist, Louis, Fort Worth, Tex. Folding minnow pail. 1,561,653; Nov. 17.
Linotype and Machinery Limited. (See Goulding, Benjamin J. J., assignor.)
Linotype and Machinery Limited. (See Goulding, B. J. J., and Shuttleworth, assignors.)
Lins, Martin J., St. Paul, Minn. Car seal. 1,561,869; Nov. 17.
Little, Frederick B., Chicago, Ill. Magnetic fixture. 1,561,554; Nov. 17.
Little, Frederick B., assignor to J. C. Deagan, Inc., Chicago, Ill. Sound-producing instrument. 1,562,103; Nov. 17.
Llorens, Louis M., Los Angeles, Calif., assignor to Automatic Word Counter, Inc. Word-counting attachment for typewriters. 1,561,870; Nov. 17.
Lockery, John W., Scranton, Pa. Individual-toothbrush sterilizer and holder. 1,562,348; Nov. 17.
Locomotive Pulverised Fuel Company. (See Caracristi, V. Z., and Santry, assignors.)
Loepsinger, Albert J., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I. Dry-pipe sprinkler system. 1,562,104; Nov. 17.
Logan, A. J., Company. (See Harrison, R. B., and Silvester, assignors.)
Lohman, Walter F., Seattle, Wash. Mold for metallic packing. 1,562,032; Nov. 17.
Loichot, Paul F., Canton, Ohio. Clay press. 1,561,612; Nov. 17.
Lord, Fred W., assignor to The Oakes Manufacturing Company, Tipton, Ind. Buttermilk feeder for chicks. 1,561,871; Nov. 17.
Lorenze, Theodore F., and W. S. Schmidt, assignors to The Master Electric Co., Chicago, Ill. Electrical curling-iron heater. 1,562,349; Nov. 17.
Lovejoy, Ralph M., Boston, Mass. Permanently sealing an aperture and the seal therefor. 1,561,872; Nov. 17.
Lowe, Harry W., deceased, Indianapolis, Ind.; M. W. Lowe, administrator, Buffalo, N. Y. Measuring and filling device. 1,561,939; Nov. 17.
Lowe, Mark W., administrator. (See Lowe, Harry W.)
Lucas, Owen D., London, assignor to Vickers Limited, Broadway, Westminster, England. Retort furnace. 1,561,735; Nov. 17.
Luckey, George P., Dayton, Ohio. Nonfogging, nonfrosting double-lens goggles. 1,562,350; Nov. 17.
Luckey, George P., Dayton, Ohio. Tachometer. 1,562,351; Nov. 17.
Ludwig & Ludwig, Inc. (See Ludwig, W. F., and Danly, assignors.)
Ludwig, William F., and R. C. Danly, assignors to Ludwig & Ludwig, Inc., Chicago, Ill. Tuning means for drums and the like. 1,561,789; Nov. 17.
Ludwig, William F., and R. C. Danly, Chicago, Ill. Adjustable support for tympani and the like. 1,561,790; Nov. 17.
Lukaszewicz, Stanley A., South Milwaukee, assignor of one-half to S. S. Lukaszewicz, Milwaukee, Wis. Piston ring. 1,562,033; Nov. 17.
Lukaszewicz, Steve. (See Nowakowski, John, assignor.)
Lukaszewicz, Steven S. (See Lukaszewicz, Stanley A., assignor.)
Lukens, Hiram S., assignor to Solidifier Corporation, Philadelphia, Pa. Composition of matter and making the same. 1,561,473; Nov. 17.
Lundquist, Frank A., Chicago, Ill. Dust collector. 1,562,352; Nov. 17.
Luther, Walter G., Cincinnati, Ohio. Advertising sign. 1,561,940; Nov. 17.
Lynch, Ernest E., Taft, Calif. Pump-rod ratchet for oil wells. 1,561,873; Nov. 17.
Maas, Gottfried H. J., Berlin-Steglitz, Germany. Construction of the railways and tramways. 1,561,557; Nov. 17.
Macfadden, William C., Fargo, N. Dak. Safe. 1,561,874; Nov. 17.
Macfadden, William C., Fargo, N. Dak. Attachment for safes. 1,561,875; Nov. 17.



Maciag, John, Rome, N. Y. Adjustable tongue-and-groove plane. 1,561,475; Nov. 17.
Maciejko, Michael, Meriden, Conn. Combined shade-roller and curtain-pole support. 1,561,990; Nov. 17.
MacKenzie, George W., Beaver, Pa. Liquid-dispensing apparatus. 1,561,555; Nov. 17.
Maclaren, James G., assignor, by mesne assignments, to The Lamson Company, Syracuse, N. Y. Receiving terminal for conveyer systems. 1,562,354; Nov. 17.
Madden, George A. (See Steel, L. J., Kent, and Madden.)
Mädler, Franz L., Charlottenburg, Germany, assignor to Maedler Engine Corporation. Working process for internal-combustion engines. 1,562,106; Nov. 17.
Mädler, Franz, Charlottenburg, Germany, assignor to Maedler Engine Corporation. Cooling of cylinders. 1,562,107; Nov. 17.
Mädler, Franz, Berlin, Germany, assignor to Maedler Engine Corporation, Cleveland, Ohio. Internal-combustion engine. 1,562,108; Nov. 17.
Maedler Engine Corporation. (See Mädler, Franz, assignor.)
Magee, James C., Hastings-on-the-Hudson, N. Y., assignor to American Insulating Machinery Company, Philadelphia, Pa. Wire-drawing machine. 1,562,238; Nov. 17.
Magsig, Fred C., et al. (See Rogers, Burr S., assignor.)
Mahaz, James J., Jersey City, N. J. Gravity toy. 1,561,614; Nov. 17.
Malcher, Otto, assignor to C. Staub, jr., Chicago, Ill. Check protector. 1,562,109; Nov. 17.
Malley, Wallace W., New Haven, Conn. Bench. Des. 68,819; Nov. 17.
Manassa, Jerome, Bronx, N. Y. Awning. 1,562,355; Nov. 17.
Mandel, Elias, Brooklyn, N. Y. Curtain light. 1,562,356; Nov. 17.
Manos, John, assignor of one-fifth to J. E. Parker, Toronto, Ohio. Combined mold and scoop. 1,561,558; Nov. 17.
Mansure, E. L., Company. (See Runge, George, assignor.)
Marazzi, Ettore, Milan, Italy. Machine-gun mounting. 1,561,992; Nov. 17.
Marcus, Charles L., and J. A. Fields, New York, N. Y. Perfume bottle. Des. 68,820; Nov. 17.
Marcus, Charles L., and J. A. Fields, New York, N. Y. Combined perfume bottle and holder. Des. 68,821; Nov. 17.
Mariatt, George E., Pasadena, Calif. Crucible charger. 1,561,876; Nov. 17.
Marquette Manufacturing Company. (See Burandt, Gustav, assignor.)
Martin, Clement S., Rockville, Md. Window screen. 1,561,877; Nov. 17.
Martin-Copeland Company. (See Pendleton, Pyam L., assignor.)
Martin, J. F. (See Dowdall, Roy L., assignor.)
Martin-Page Company. (See Stengel, Joseph L., assignor.)
Mash, Charles A., assignor to The Electric Manicuring Co., Los Angeles, Calif. Nail-cuticle tool point. 1,562,110; Nov. 17.
Master Electric Co., The. (See Lorenze, T. S., and Schmidt, assignors.)
Masury, Alfred F., and A. H. Leipert, assignors to International Motor Company, New York, N. Y. Torque-cushioning device. 1,561,476; Nov. 17.
Mather, Alonzo C., Chicago, Ill. Trussed brake beam. 1,561,791; Nov. 17.
Mathews, Fred. (See Strid, Sven J., assignor.)
Mathews, Homer B., Baltimore, Md. Bottle-cap remover. 1,561,519; Nov. 17.
Matthyssen, George, Inglewood, and C. Ohlson, Los Angeles, Calif. Headlight lens. 1,562,111; Nov. 17.
Mauborgne, Joseph O., L. Cohen, and G. Hill, Washington, D. C. Electrical signaling. 1,561,559; Nov. 17.
Mayer, Bertram, Basel, and J. Würgler, Neuewelt, near Basal, assignors to The Society of Chemical Industry in Basle, Basel, Switzerland. Indigoid dyestuffs. 1,561,560; Nov. 17.
Mayer, George F., Chicago, Ill. Lock. 1,562,357; Nov. 17.
Maze, Augusta, et al. (See Allison, Joseph J., assignor.)
McBeath, Neil. (See Gregory, Charles R., assignor.)
McCabe, Ira E., Chicago, Ill. Liquid-fuel burner. 1,561,474; Nov. 17.
McCaine, Harry B., Atlantic City, N. J. Direction indicator. 1,561,989; Nov. 17.
McCall Company, The. (See Rohr, Mayer, assignor.)
McCauley, Julian B., et al. (See Skinner, M. T., assignor.)
McCormick, Frank L., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Device for controlling coin-operated instruments and machines. 1,562,178; Nov. 17.
McDonald, Charles E., Butte, Mont. Window-shade roller. 1,562,105; Nov. 17.
McGovern, Daniel F., Montpelier, Vt. Emery wheel. 1,561,556; Nov. 17.
McGrath, James N., jr., et al. (See Fulgora, Fred, assignor.)
McGuire, Norman B. and A. G., sr., Honolulu, Hawaii. Machine for laying mulches. 1,562,358; Nov. 17.
McKeown, John L., Winnetka, Ill. Bending and clamping frame. 1,561,613; Nov. 17.
McKnight, William L., assignor to Minnesota Mining and Manufacturing Company, St. Paul, Minn. Hand block for abrasives, etc. 1,562,414; Nov. 17.
McLaughlin, William E. (See Denny, C. W., McLaughlin, and Helwig.)
McMahon, C. P., et al. (See McMahon, Joseph R., assignor.)
McMahon, Joseph R., assignor of one-fourth to himself, one-fourth to J. T. McMahon, one-fourth to R. A. McMahon, and one-fourth to C. P. McMahon, Glendale, W. Va. Machine for forming sheet-metal lath. 1,561,556; Nov. 17.
McMahon, J. T., et al. (See McMahon, Joseph R., assignor.)
McMahon, R. A., et al. (See McMahon, Joseph R., assignor.)
McMyler Interstate Company, The. (See Carse, Orlando M., assignor.)
Mealey, Ulysses S., Faribault, Minn. Hand truck. 1,562,239; Nov. 17.
Medeiros, Emygdio S., assignor of one-half to J. P. Correia, New Bedford, Mass. Tension device for spooling machines. 1,562,112; Nov. 17.
Meloche, Daniel H., assignor to E. Holley, Detroit, Mich. Pipe-mold coating. 1,561,561; Nov. 17.
Melotti, Ella E., Boston, Mass. Auxiliary heating and circulating apparatus for automobiles. 1,562,240; Nov. 17.
Menige, Charles W., Philadelphia, Pa. Hydrant. 1,561,736; Nov. 17.
Menotti, Achille, et al. (See Menotti, Ralph, assignor.)
Menotti, Ralph, assignor of thirty per cent to J. Silvestro and thirty per cent to A. Menotti, Chicago, Ill. Fuel lighter. 1,562,179; Nov. 17.
Merle, André N., assignor to Pathe Cinema Anciens Etablissements Pathe Freres, Paris, France. Motion-picture film. 1,561,941; Nov. 17.
Metal Textile Corporation. (See Kingman, Russell B., assignor.)
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Fuse. 1,561,878; Nov. 17.
Meyer, Adolph A., Washington, D. C. Sliding gate. 1,562,113; Nov. 17.
Meyer, Erwin E. A. G., assignor to Morgan & Wright, Detroit, Mich. Splicing uncured rubber compounds. 1,561,942; Nov. 17.
Meyer, John H., Union Hill, N. J. Barrier for ferryboat. 1,561,737; Nov. 17.
Michalove, Philip, Asheville, N. C., assignor of one-tenth to S. P. Buck, Washington, D. C. Combined change receiver and sign illuminator. 1,561,991; Nov. 17.
Michell, Peter, Monongahela, Pa. Safety box. 1,562,114; Nov. 17.
Mieher, Henry F., Carlinville, Ill. Implement for handling baled material. 1,562,034; Nov. 17.
Miles, Lester H. (See Moir, Harry W., assignor.)
Miller, Adolph N., assignor to A. N. Miller Company, Milwaukee, Wis. Oscillatory saw machine and guard therefor. 1,561,477; Nov. 17.
Miller, A. N., Company. (See Miller, Adolph N., assignor.)
Miller, Charles E., Edgewood, R. I., assignor to Payton & Kelley Co., Providence, R. I. Watchcase bezel. 1,561,879; Nov. 17.
Miller, James A. (See Elliott, H. F., and Miller.)
Miller, John A., Homewood, Ill. Pleasure-railway car. 1,562,035; Nov. 17.
Miller, John A., Homewood, Ill. Pleasure-railway structure. 1,562,036; Nov. 17.
Miller, Levi B., Lynn, Mass., assignor to General Electric Company. Silica glass. 1,562,115; Nov. 17.
Miller, Ralph, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Apparatus for feeding fuel in injection engines. 1,561,738; Nov. 17.
Miller, Robert L. (See Kent, O. B., and Miller.)
Miller, Van P., Chicago Heights, Ill. Snow-removing mechanism. 1,562,180; Nov. 17.
Millsaps, Oliver J., Abilene, Tex. Adjustable cap. 1,562,241; Nov. 17.
Minnesota Mining and Manufacturing Company. (See McKnight, William L., assignor.)
Minnesota Mining & Manufacturing Company. (See Newman, George A., assignor.)
Mitchell, Edward T., Lisco, Nebr. Wrench. 1,562,242; Nov. 17.
Mitchell, Joseph D., administrator. (See Friberg, Axel A.)
Mitton-Braley Aeroplane Control Company, The. (See Mitton, Robert E., assignor.)
Mitton, Robert E., assignor to The Mitton-Braley Aeroplane Control Company, Salt Lake City, Utah. Controlling mechanism for flying machines. 1,561,792; Nov. 17.
Mitton, Robert E., assignor to The Mitton-Braley Aeroplane Control Company, Salt Lake City, Utah. Controlling mechanism for flying machines. 1,561,793; Nov. 17.
Moettell, Arnold, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland. Cooling plant for coke. 1,562,181; Nov. 17.

Moeller, Max, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Apparatus for continuously measuring combustible constituents of waste gases. 1,562,243; Nov. 17.

Moir, Harry W., assignor of one-half to L. H. Miles, Los Angeles, Calif. Carburetor cut-off. 1,562,116; Nov. 17.

Moller, Edvard M. (See Benedict, H. A., and Moller.)

Mollette, A. E., et al. (See Cundy, Arthur B., assignor.)

Monro, William L., assignor to Window Glass Machine Company, Pittsburgh, Pa. Drawing and flattening sheet glass. 1,561,478; Nov. 17.

Monroe, Norman L., Bucyrus, Ohio. Safety device for elevators. 1,562,117; Nov. 17.

Moody, Fred L., Oneonta, Ala. Automatic stock and poultry feeding device. 1,561,656; Nov. 17.

Moore, Edgar M. (See Gannestad, Thor, assignor.)

Moore, George L., Chicago, Ill. Distributing measured quantities of material from a mass in bulk. 1,562,037; Nov. 17.

Morgan, David W. R. (See Schmidt, H. F., and Morgan.)

Morgan & Wright. (See Coffin, Joseph G., assignor.)

Morgan & Wright. (See Meyer, Erwin E. A. G., assignor.)

Morrill, William A., jr., Wenonah, N. J. Detachable body for children's tricycles. 1,562,244; Nov. 17.

Morris, Frederick S., assignor to The Vollrath Co., Sheboygan, Wis. Dish and cover. 1,561,943; Nov. 17.

Morrison, Mark, London, England, T. D. Vass, and A. C. Fisher, Vereeniging, Transvaal, South Africa. Locking nut. 1,561,880; Nov. 17.

Morse, Frank L., Ithaca, N. Y. Chain-gear transmission. 1,561,944; Nov. 17.

Mortensen, Sofus L., Boston, Mass. Treating plastered ceilings and walls. 1,561,520; Nov. 17.

Moscovitch, Bernard, Rodenkirchen-Cologne, assignor to "Lignojen" Maschinen-und Apparatebau G. m. b. H., Berlin, Germany. Tar separator. 1,562,118; Nov. 17.

Moses, Samuel M., Portland, Oreg. Placket facing. 1,561,657; Nov. 17.

Mosier, Peter, Grand Rapids, Mich. Cart. 1,561,658; Nov. 17.

Mosler Lock Company, The. (See Benham, Edgar M, assignor.)

Mosler Safe Company, The. (See Goldsmith, G. M., and Bartels, assignors.)

Motor Industries, Inc. (See Turner, Cameron, assignor.)

Mottershall, William H., Toronto, Ontario, Canada. Chimney and ventilating cowl and its shaft. 1,561,521; Nov. 17.

Mowry, Edward, Sterling, and N. E. Bunting, Chicago, Ill., assignors, by mesne assignments, to International Harvester Company. Combined rake and tedder. 1,561,562; Nov. 17.

Mueller, Adolph, trustee. (See Eichman, Arthur W., assignor.)

Myers, Harry R., New York, N. Y. Rail-joint connection. 1,562,182; Nov. 17.

Myers, Lewis C., Freeport, and G. F. Handley, Glendale, assignors to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,562,119; Nov. 17.

Mynol Chemical Company, The. (See Anthony, Wendell P., assignor.)

Nabors, Charles A., et al. (See Skinner, M. T., assignor.)

Namiot, Charles B., New York, N. Y. Garter. Des. 68,822; Nov. 17.

National Recording Pump Company, The. (See Eickmeyer, Earl E., assignor.)

National Sewing Machine Company. (See Sherman, James G., assignor.)

Naugatuck Chemical Company, The. (See Coffin, J. G., and Keen, assignors.)

Naugatuck Chemical Company, The. (See Smith, Omar H., assignor.)

Navet, Rodolphe, Tubize, Belgium. Brick press and the like. 1,562,358; Nov. 17.

Nesbaur, Harry, New York, N. Y., assignor to E & J Bass, Incorporated. Strip or banding for decorative purposes. Des. 68,823; Nov. 17.

Negy, Elmer J., Abilene, Tex. Combined radiator guard and fender brace. 1,562,245; Nov. 17.

Nelson, Adolph L., Indianapolis, Ind. Control mechanism for aircraft guns. 1,562,424; Nov. 17.

Nelson, Charles R., Seattle, Wash. Electric clothes presser. 1,562,246; Nov. 17.

Nelson, Theodore J., assignor to Colonial Lamp & Fixture Works, Inc., Chicago, Ill. Electric-lighting fixture. Des. 68,824; Nov. 17.

Nelson, Theodore J., assignor to Colonial Lamp & Fixture Works, Inc., Chicago, Ill. Electric-lighting fixture. Des. 68,825; Nov. 17.

Nemcovsky, Louis A., New York, N. Y. Code-writing machine. 1,562,120; Nov. 17.

Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electric switch mechanism. 1,562,247; Nov. 17.

Neumann, Julius J., Chicago, Ill. Mouthpiece for saxophones. 1,562,038; Nov. 17.

Newcomb, Edward C. Scituate, Mass., assignor, by mesne assignments, to Standard Steam Corporation, St. Louis, Mo. Steam-generating plant. 1,561,739; Nov. 17.

New Jersey Machine Corporation. (See Feybusch, M., and Fleischer, assignors.)

Newman, George A., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Polishing and wiping implement. 1,562,415; Nov. 17.

New Process Multi-Castings Company. (See Wood, John R., assignor.)

Newton, Ralph W., Placentia, Calif. Line sampler. 1,562,121; Nov. 17.

Newton, Richard T., New York, N. Y. Rebound check. 1,561,522; Nov. 17.

New York Bath Manufacturing Co. (See Holley, William V., assignor.)

Nicholas Power Company. (See Uhlemann, Theodore F., assignor.)

Nichols, Robert P., New Rochelle, N. Y., assignor to Federated Engineers Development Corporation, Jersey City, N. J. Coal-temperature indicator. 1,561,659; Nov. 17.

Nielsen, Frederik, Briceburg, Calif. Combination tool. 1,561,993; Nov. 17.

Nielsen, Niels, Lincoln, Nebr. Insect trap. 1,562,248; Nov. 17.

Nine, Harry O., and R. A. Knight, Canton, Ohio. Snubber. 1,561,563; Nov. 17.

Nizamis, Efthimios, Kalamazoo, Mich. Combination knapsack, shield, and gun rest. 1,561,564; Nov. 17.

Northcutt, W. M. (See Sargent, John E., assignor.)

Northwest Engineering Company. (See Burke, Paul, assignor.)

Norton, Clifford, South Orange, N. J., assignor to Graham & Norton Company, New York, N. Y. Electric switch. 1,562,183; Nov. 17.

Norton, Clifford, assignor to Graham & Norton Company, New York, N. Y. Operating elevator car and shaft doors. 1,562,184; Nov. 17.

Novak, Izador J., assignor to The Raybestos Company, Bridgeport, Conn. Making brake segments. 1,561,740; Nov. 17.

Nowakowski, John, assignor of one-half to S. Lukaszewicz, Milwaukee, Wis. Burglar alarm. 1,562,039; Nov. 17.

Nuerwell, Fred W. (See Green, Ellis, assignor.)

Nutting, Clarence L. (See Christison, H., and Nutting.)

Oakes Manufacturing Company, The. (See Lord, Fred W., assignor.)

Oakley, Clifford H., Trenton, N. J. Half soles. 1,562,040; Nov. 17.

Oakley, James O., assignor of one-half to P. E. Lalanne, Montreal, Quebec, Canada. Car door. 1,562,249; Nov. 17.

O'Connor, William. (See Patterson, William H., assignor.)

Oeffner, Abram A. (See Agnew, J. B., and Oeffner.)

Oettel, Paul G., Spokane, Wash. Adjustable feed mechanism. 1,561,479; Nov. 17.

Offutt, Thomas M., Connersville, Ind. Generator. 1,561,480; Nov. 17.

Ohlson, Charles. (See Matthyssen, G., and Ohlson.)

Oil Engine Development Company. (See Cummins, Clessie L., assignor.)

Oishei, John R., Buffalo, N. Y. Fluid-pressure motor. 1,562,122; Nov. 17.

Oley, Frank D. (See Erickson, F. G., and Oley.)

O'Neil, Jeremiah. (See Jones, A. C., and O'Neil.)

Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Jacob, Heinrich, assignor.)

Osburn, David, Grindstone, Pa. Switch throw. 1,562,359; Nov. 17.

Osterberg, Carl T., Milwaukee, Wis. Pocket golf. 1,561,881; Nov. 17.

Otis Automatic Train Control, Inc. (See Kent, O. B., and Miller, assignors.)

O'Toole, Edward, Gary, W. Va. Longwall-mining machine. 1,561,481; Nov. 17.

Ottesén, Anton J. A., Copenhagen, Denmark. Direct cooling of goods. 1,562,360; Nov. 17.

Overmyer, D. H., et al. (See Rogers, Burr S., assignor.)

P. & M. Company, The. (See De Busk, William H., assignor.)

Packard Motor Car Company. (See Vincent, Jesse G., assignor.)

Pacz, Aladar, Cleveland, Ohio, assignor to General Electric Company. Metal and its manufacture. 1,562,041; Nov. 17.

Pacz, Aladar, Cleveland Heights, Ohio, assignor to General Electric Company. Preparing boron-iron alloys. 1,562,042; Nov. 17.

Pacz, Aladar, East Cleveland, Ohio, assignor to General Electric Company. Iron-boron alloy. 1,562,043; Nov. 17.

Page, Millard L., Redwood City, Calif. Air heater. 1,561,741; Nov. 17.

Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 68,826; Nov. 17.

Palmer, Edward, Bexley, Ohio. Printing-plate holder. 1,561,615; Nov. 17.

Parham, Burley L., et al. (See Sprouse, Verner E., assignor.)

Parker, George F., assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 68,827; Nov. 17.

Parker, J. E. (See Manos, John, assignor.)

Pascarello, Mike L., New Brighton, Pa. Pottery mold. 1,562,361; Nov. 17.

Pathé Cinéma Anciens Établissements Pathé Freres. (See Pénin, Emile C., assignor.)

Patterson, Edward G., Bismarck, N. D. Novelty. 1,561,994; Nov. 17.

Patterson, Orban C., et al. (See Conklin, George R., assignor.)





Patterson, William H., assignor of one-half to W. O'Connor, Cuyahoga Falls, Ohio. Concrete-block mold. 1,562,044; Nov. 17.

Patton, Arthur B., Omaha, Nebr. Ice-cream-dispensing machine. 1,562,250; Nov. 17.

Paxton, James S., Chicago, Ill. Street indicator. 1,562,185; Nov. 17.

Payton & Kelley Co. (See Miller, Charles E., assignor.)

Pearson, William B., Jacksonville, Ill. Bookbinding. 1,561,995; Nov. 17.

Peck, Louis E., assignor to The Threadwell Tool Company, Greenfield, Mass. Hack-saw frame. 1,561,660; Nov. 17.

Peebles, Frank B., assignor to The Lamson Company, Syracuse, N. Y. Safety device for conveyer systems. 1,562,416; Nov. 17.

Peis, Henry, Berlin-Charlottenburg, Germany. Reciprocating shearing machine. 1,562,045; Nov. 17.

Pelton, Clifford L., Baltimore, Md. Material distributor for aircraft. 1,562,251; Nov. 17.

Pendleton, Pyam L., Providence, R. I., assignor to Martin-Copeland Company, Chicago, Ill. Panel for radio-dials. Des. 68,828; Nov. 17.

Pénin, Emile C., Joinville-le-Pont, assignor to Pathé Cinéma Anciens Établissements Pathé Freres, Paris, France. Film holder for cinematograph cameras. 1,561,945; Nov. 17.

Pennsylvania Pump & Compressor Company. (See Raymond, Ward, assignor.)

Pepper, Elisha D., Pickens, Miss. Flytrap. 1,561,661; Nov. 17.

Perfection Steel Body Company. (See Pounder, Harry, assignor.)

Perrin, Arthur, Brookline, Mass. Optical instrument. 1,562,046; Nov. 17.

Perry, Eldin M., Washington, D. C. Endless runner for motor trucks. 1,561,996; Nov. 17.

Peter, Georges, Malakoff, France. Machine for making impressions. 1,561,616; Nov. 17.

Peters, Henry W., Boston, Mass. Finger ring. Des. 68,829; Nov. 17.

Peterson, John, Maywood, assignor to Combination Blow Torch Manufacturing Company, Melrose Park, Ill. Torch-supported ladle. 1,562,047; Nov. 17.

Peterson, Peter L., Manti, Utah. Brake. 1,561,794; Nov. 17.

Pettersson, Knut G. V., Vasterns, Sweden. Machine for producing molding cores. 1,561,882; Nov. 17.

Penker, Franz, Vienna, assignor of one-half to the Firm: C. Schember & Söhne Brückenwaagen- u. Maschinenfabriken A. G., Atzgersdorf, near Vienna, Austria. Weighing scale. 1,561,997; Nov. 17.

Philadelphia Storage Battery Company. (See Holland, Walter E., assignor.)

Philippeau, Juliette L., New York, N. Y. Bottle or similar article. Des. 68,830; Nov. 17.

Phillips, Nora E., Chicago, Ill. Carburizing. 1,561,482; Nov. 17.

Pickard, Greenleaf W., Newton, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass. Distinguishing dielectric sheets. 1,561,483; Nov. 17.

Pierpont, Frank H., Salford, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Production of type matrices. 1,561,484; Nov. 17.

Pihl, Albert, Murray, Utah, assignor to Holliday Radio & Manufacturing Company, Telephone receiver. 1,562,252; Nov. 17.

Pillon, Aimé, and E. Ravas, Oullins, France. Liquid and like tap. 1,561,883; Nov. 17.

Pipe hanger. L. Guttman. 1,561,850; Nov. 17.

Pitney, Arthur H., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Controller for postage-meter machines and the like. 1,561,795; Nov. 17.

Pitney-Bowes Postage Meter Company. (See Pitney, Arthur H., assignor.)

Pitt, William P., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Book and similar binding. 1,561,742; Nov. 17.

Pitts, Edward L., Raton, N. Mex., assignor of one-half to C. C. Fisher, Okmulgee, Okla. Tubular holder. 1,562,123; Nov. 17.

Pittsburg Water Heater Company. (See Kolts, John H., assignor.)

Pittsburgh Transformer Company. (See Bingay, Robert V., assignor.)

Plajeted, Harold M., St. Louis, Mo. Rotary pivoted hammer. 1,562,048; Nov. 17.

Plass, Robert H., Upper Montclair, N. J., assignor, by mesne assignments, to Bemis Bro. Bag Company, St. Louis, Mo. Bag-making machine. 1,562,049; Nov. 17.

Plibrico Jointless Firebrick Company. (See Schaefer, William A. L., assignor.)

Pohlson, Carl V., Pawtucket, R. I. Wheeled toy. 1,561,884; Nov. 17.

Pomeroy, S. H., Company. (See Fien, Alphonsus, assignor.)

Pooley Company, The. (See Dewar, William H., assignor.)

Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-supplying mechanism. 1,561,662; Nov. 17.

Portway, Robert C., Beckenham, England. Grease cartridge. 1,561,885; Nov. 17.

Pounder, Harry, assignor to Perfection Steel Body Company, Galion, Ohio. Dumping unit for motor trucks. Re16,212; Nov. 17.

Powell, A. L., Power Company. (See Powell, Alvah L., assignor.)

Powell, Alvah L., assignor, by mesne assignments, to The A. L. Powell Power Company, Inc., Miles City, Mont. Transmission for engines. 1,562,050; Nov. 17.

Powell, Edwin H., and A. R. Homer, Cleveland Heights, Ohio. Attachment for reflectors. 1,562,186; Nov. 17.

Powers, Earl K., Grand Rapids, Mich. Reel. 1,561,485; Nov. 17.

Powers, Jesse J., Schenectady, N. Y., assignor to General Electric Company. Constant-torque winding mechanism. 1,562,051; Nov. 17.

Prentice, George E., Berlin, Conn. Fastener combination. 1,562,254; Nov. 17.

Prentice, George E., Berlin, Conn. Slide construction. 1,562,253; Nov. 17.

Prest-O-Lite Company, The. (See Gossling, Walter E., assignor.)

Preston, Roy C. (See Fidler, I., and Preston.)

Price, William E., White Plains, N. Y. Electric-light lamp fitting. 1,562,052; Nov. 17.

Pringle, Valcor G., Jasper, Tex. Hand sandpapering and polishing machine. 1,561,998; Nov. 17.

Proctor & Schwartz, Incorporated. (See Schwartz, Walter M., assignor.)

Prox, Herman C., Terre Haute, Ind. Boiler. 1,561,663; Nov. 17.

Pruiett, Moman, et al. (See Conklin, George R., assignor.)

Prutzman, Paul W., assignor to General Petroleum Corporation, Los Angeles, Calif. Treating oils. 1,561,999; Nov. 17.

Prutzman, Paul W., and C. J. von Bibra, assignors to General Petroleum Corporation, Los Angeles, Calif. Treating oil. 1,562,001; Nov. 17.

Prutzman, Paul W., and P. D. Barton, assignors to General Petroleum Corporation, Los Angeles, Calif. Removing acids from oils. 1,562,000; Nov. 17.

Prylbil, Albert, 2d, New York, N. Y. Identification name plate for umbrellas. 1,561,565; Nov. 17.

Purdy, Bertram T., Brockley, England. Tuning peg for stringed musical instruments. 1,561,566; Nov. 17.

Purkey, Emma A., Pittsburgh, Pa. Hair-waving frame. 1,562,255; Nov. 17.

Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Stitcher-feeding mechanism for tire-making machines. 1,562,362; Nov. 17.

Radiant Specialty Co. (See Czapek, Stanley, assignor.)

Radu, John W., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube socket. 1,562,187; Nov 17.

Rainey, Paul M., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Selecting system. 1,562,188; Nov. 17.

Randall, John H., Salina, Kans. Adjustable wheel clamp. 1,562,363; Nov. 17.

Raney, Clemmm R., assignor to International Harvester Company, Chicago, Ill. Grain shocker. 1,561,567; Nov. 17.

Ranieri, Mathew, et al. (See Stevenson, Siguard, assignor.)

Ranney, Willet B., Chicago, and A. E. Johnson, Maywood, assignors to Wm. Wrigley, Jr., Co., Chicago, Ill. Machine for applying wrapped articles to folders. 1,561,743; Nov. 17.

Rasmussen, Lars I., Westwood, Calif. Rotary engine. 1,561,946; Nov. 17.

Rathwell, Robert C., Strathroy, Ontario, Canada. Bread-racking machine. 1,561,664; Nov. 17.

Ratigan, James P., Walnut Park, Calif. Grip. 1,562,053; Nov. 17.

Rainey, Paul M., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Printing-telegraph system. 1,562,189; Nov. 17.

Rau Fastener Company. (See Reiter, Daniel I., assignor.)

Rautenberg, Alfred T., Seattle, Wash. Skate wheel. 1,562,124; Nov. 17.

Ravaz, Etienne. (See Pillon, A., and Ravaz.)

Rawlings Manufacturing Company. (See Latina, Harry B., assignor.)

Raybestos Company, The. (See Novak, Izador J., assignor.)

Raymond, George B., Danbury, Conn. Eductor. 1,561,744; Nov. 17.

Raymond, Ulrick J., Seattle, Wash. Log turner. 1,562,256; Nov. 17.

Raymond, Ward, assignor to Pennsylvania Pump & Compressor Company, Easton, Pa. Speed-responsive device. 1,561,886; Nov. 17.

Reasoner, Claude C., Habana, Cuba, assignor to Cuba Self Loading Cane Truck Corporation, New York, N. Y. Self-loading cane truck. 1,562,364; Nov. 17.

Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Main bearing. 1,561,745; Nov. 17.

Reed, Charles M., Kabletown, W. Va. Self and ever set traps. 1,562,365; Nov. 17.

Regan Safety Devices Company, The. (See Kendall, Allen B., assignor.)

Behbock, Theodor, Karlsruhe, Germany. Spillway apron. 1,561,796; Nov. 17.
Reiter, Daniel I., New York, N. Y., assignor to Rau Fastener Company, Providence, R. I. Snap fastener. 1,562,190; Nov. 17.
Rémondy Léon E., Rueil, France. Fuse for projectiles. 1,562,054; Nov. 17.
Renault, Louis. (See Saives, Léon, assignor.)
Reno, Charles S., New York, N. Y. Expanded-metal fabric. 1,562,191; Nov. 17.
Rensenbrink, Edward L., Canton, Ohio. Curtain bracket. 1,561,617; Nov. 17.
Rey, François V. A. J. (See Rey, Lucien A. J. J. and F. V. A. J.)
Rey, Lucien A. J. J. and F. V. A. J., Roquefort-sur-Soulzon, France. Cheese-slicing machine. 1,561,746; Nov. 17.
Rheinfrank, Wesley J., Chicago, Ill. Toy turbine. 1,561,747; Nov. 17.
Rheinische Metallwaaren und Maschinenfabrik. (See Kostka, Fritz, assignor.)
Rhodes, Charles J. (See Berry, George W., assignor.)
Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Radio receiving system. 1,562,056; Nov. 17.
Rice, Schuyler N., et al., executors. (See Shaw, Joseph, assignor.)
Richards, Grover E., Youngstown, Ohio. Adjustable screen door. 1,562,055; Nov. 17.
Richardson, Joseph, Surrey Hills, and A. L. Henderson, Kensington, Victoria, Australia. Heater for automobiles. 1,561,947; Nov. 17.
Richman, John W., San Jose, Calif. Mechanical toy. 1,561,665; Nov. 17.
Rideout, William H., Porthill, Idaho. Separating molybdenum from its ore. 1,562,125; Nov. 17.
Riedle, Arnold W., Winnipeg, Manitoba, Canada. Post-hole auger. 1,561,523; Nov. 17.
Rieff, John G., London, Wis. Portable feed bin. 1,562,002; Nov. 17.
Riesbol, Henry C., New York, N. Y. Concrete-building form. 1,562,366; Nov. 17.
Ringley, John A., Parker, S. Dak. Water-tube boiler. 1,561,568; Nov. 17.
Riordan, Joseph A., Harrison, N. J. Wardrobe steamer trunk. 1,561,486; Nov. 17.
Roadrails Limited. (See Dutton, Frank H., assignor.)
Robinson Manufacturing Company. (See Dimm, Chandos R., assignor.)
Robinson, William H. (See Duffie, Allen M., assignor.)
Roessler & Hasslacher Chemical Company, The. (See Cambron, Adrien, assignor.)
Rogers, Burr S., assignor of one-sixth to E. Rogers, one-sixth to F. Rogers, one-eighth to C. L. Bloker, one-eighth to R. E. Bloker, one-eighth to D. H. Overmyer, and one-eighth to F. C. Magnig, Lindsey, Ohio. Clutch-pedal lock. 1,562,057; Nov. 17.
Rogers, Edgar, et al. (See Rogers, Burr S., assignor.)
Rogers, Floyd, et al. (See Rogers, Burr S., assignor.)
Rogers, Lewis W., Clanton, Ala. Retainer for expansion-joint strips. 1,562,257; Nov. 17.
Rohr, Mayer, assignor to The McCall Company, New York, N. Y. Pattern chart. 1,561,948; Nov. 17.
Roof, Robert M., Anderson, Ind. Overhead transformation for Fords. 1,561,666; Nov. 17.
Roseman, Joseph A., Evanston, Ill. Power mower. 1,561,569; Nov. 17.
Rosenfeld, William L., jr., New York, N. Y. Badge or like article. Des. 68,831; Nov. 17.
Round, David, & Son. (See Jones, David W., assignor.)
Rowe, Charles E., near Dayton, Ohio. Window-shade guide. 1,562,192; Nov. 17.
Royal Typewriter Company. (See Myers, L. C., and Handley, assignors.)
Rubacrete Limited. (See Case, Gerald O., assignor.)
Ruberoid Co., The. (See Abraham, Herbert, assignor.)
Rubwood, Inc. (See Atwood, Harry N., assignor.)
Rudolph, John F. (See Killius, W. C., and Rudolph.)
Ruggles-Klingemann Mfg. Co. (See Kimball, James L., assignor.)
Rumpel, Julius, Weston, Mo. Combined tent and bed. 1,561,797; Nov. 17.
Runge, George, assignor to E. L. Mansure Company, Chicago, Ill. Furniture gimp. Des. 68,832; Nov. 17.
Russell, James M., Dayton, Ohio. Parachute. 1,562,258; Nov. 17.
Ryan, Cyril P., East Molesey, assignor to Vickers Limited, Westminster, England. Submarine sound signaling or indicating apparatus. 1,562,193; Nov. 17.
Ryder, Elmer, Berwyn, Ill. Radio dial turner. 1,561,487; Nov. 17.
St. Amour, Moses E. (See Savard, G., and St. Amour.)
Saives, Léon, assignor to L. Renault, Billancourt, France. Carburetor. 1,562,126; Nov. 17.
Salsi, Victor H., Richmond Hill, Long Island, N. Y. Cuff fastener. 1,562,058; Nov. 17.
Sandalls, George, jr., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone-testing system. 1,561,524; Nov. 17.
Sanders, William E., San Francisco, Calif. Combination velocipede and wagon. 1,562,367; Nov. 17.
Sanford, Hugh W., Knoxville, Tenn. Railway car. 1,561,488; Nov. 17.
Santry, Joseph V. (See Caracristi, V. Z., and Santry.)
Saranac Automatic Machine Corporation. (See Craig, Edward, assignor.)
Sardonell, Harry M., Detroit, Mich. Automobile lens. 1,561,570; Nov. 17.
Sargent & Greenleaf, Inc. (See Hill, William R., assignor.)
Sargent, John E., assignor of one-half to W. M. Northcutt, Morgan, Ky. Means for supplying water. 1,561,798; Nov. 17.
Sargent, John E., assignor of one-half to W. M. Northcutt, Morgan, Ky. Means for supplying water. 1,561,799; Nov. 17.
Savard, George, and M. E., St. Amour, assignors of one-half to said G. Savard and one-half to N. Grenier, Faust, N. Y. Rat trap. 1,561,800; Nov. 17.
Savary, Eugene A., Phoenicia, N. Y. Stair-carpet support. 1,561,489; Nov. 17.
Scarlett, John N., et al. (See Carlson, Frank W., assignor.)
Schaefer, John V., assignor to Cement Gun Construction Co., Chicago, Ill. Nozzle. 1,562,194; Nov. 17.
Schaefer, William A. L., assignor to Pilbrico Jointless Firebrick Company, Chicago, Ill. Plastic fire brick. 1,561,571; Nov. 17.
Schellens, Eugene L., Pointe Claire, Quebec, Canada, and J. S. Coffin, jr., Lisbon, N. H.; said Schellens assignor to said Coffin, jr. Railway-truck spring support. 1,562,059; Nov. 17.
Schellens, Eugene L., Pointe Claire, Quebec, Canada, and J. S. Coffin, jr., Lisbon, N. H.; said Schellens assignor to said Coffin, jr. Journal box. 1,562,060; Nov. 17.
Schember, C., & Söhne Brückenwaagen- u. Maschinenfabriken A. G. (See Fenker, Franz, assignor.)
Schenck, Charles, and L. Fine, assignors to Bethlehem Steel Company, Bethlehem, Pa. Metal wheel. 1,562,003; Nov. 17.
Schenck, Peirce D., Dayton, Ohio, assignor to The Dur-iron Company, Inc. Valve. 1,562,195; Nov. 17.
Scheuerell, John T., assignor to R. A. Smelser, Milwaukee, Wis. Hand grip for undertakers. 1,562,004; Nov. 17.
Schiff, Ludwig. (See Bothe, O., and Schiff.)
Schiffenbaus, Budde, Newark, N. J. Machine for forming paper hat rings. 1,562,368; Nov. 17.
Schlupp, Stella H., Sabetha, Kans. Timer. 1,561,490; Nov. 17.
Schmeizer, Louis F., Carteret, N. J. Digesting materials for making fertilizers and stock foods. 1,561,667; Nov. 17.
Schmid, Francesco, Naples, Italy. Means for regulating moving torpedoes. 1,562,127; Nov. 17.
Schmidt, Arthur W., Spring Valley, N. Y. Stamp-holding device. 1,562,369; Nov. 17.
Schmidt, Henry F., and D. W. R. Morgan, Swarthmore, Pa., assignors to Westinghouse Electric and Manufacturing Company. Jet condenser. 1,562,259; Nov. 17.
Schmidt, Lilly, Klotzsche, near Dresden, Germany. Guide for violin bows. 1,562,062; Nov. 17.
Schmidt, Warren S. (See Lorenze, T. S., and Schmidt.)
Schneider, Albert, Portland, Oreg. Ventilating device. 1,562,061; Nov. 17.
Schneider & Cie. (See Methlin, Nicolas E., assignor.)
Schneider, Frederick. (See Wagner, Louis, assignor.)
Schnuck, Carl F. (See Bowen, D. R., and Schnuck.)
Schuck, Hugh J., Des Moines, Iowa. Wardrobe suitcase. 1,562,417; Nov. 17.
Schuler, Charles C., Winona, Minn. Candy box or similar container. Des. 68,833; Nov. 17.
Schuler, Frank M., Winona, Minn. Article-feeding device. 1,562,063; Nov. 17.
Schumann, Leon W., Rochester, assignor, by mesne assignments, to The G. R. S. Products, Inc., Colonie, N. Y. Washing machine. 1,562,370; Nov. 17.
Schutze, Frederick, London, England. Surgical truss. 1,562,064; Nov. 17.
Schwartz, Walter M., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drier. 1,562,260; Nov. 17.
Schwettman, Harry W., assignor to The Gruen Watch Company, Cincinnati, Ohio. Wrist-watch case. Des. 68,834; Nov. 17.
Scott, Elisha H., Richmond, Ind. Iceless refrigerator. 1,561,572; Nov. 17.
Scott Gas Appliance Company. (See Scott, James G., assignor.)
Scott, James G., assignor to Scott Gas Appliance Company, Washington, D. C. Water back for gas stoves. 1,562,065; Nov. 17.
Seabury, Richard W., Boonton, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Research Laboratories Inc., Long Island City, N. Y. Plastic molding. 1,561,525; Nov. 17.
Sechowski, Jerome, Notre Dame, Ind. Electric furnace. 1,562,261; Nov. 17.
Seitmann, Walter A., Passaic, N. J. Supporting flexible tubes in an upright position. 1,562,005; Nov. 17.
Shaffer, Glenn A. (See Cannard, W. H., and Shaffer.)
Shanks, Howard L., Mesick, Mich. Automobile trailer. 1,562,371; Nov. 17.



Shannan, William V., London, assignor to The Gas Light and Coke Company, Westminster, London, England. Manufacture of organic compounds by reactions involving replacement of substituent atoms or groups with liquid reagents. 1,561,491; Nov. 17.
Shaw, Joseph, New York, N. Y., assignor to K. Gould and S. N. Rice, executors. Producing motion pictures in colors. 1,562,066; Nov. 17.
Sheldon, Waldo, South Norwalk, Conn. Drill-pipe coupling. 1,562,373; Nov. 17.
Sheldon, Waldo, South Norwalk, Conn. Flush-joint pipe. 1,562,372; Nov. 17.
Sherman, Jacob S., Chicago, Ill. Container for cigars and tobacco. Des. 68,835; Nov. 17.
Sherman, James G., assignor to National Sewing Machine Company, Belvidere, Ill. Mechanical movement. 1,561,748; Nov. 17.
Shipley, Elmer E., Washington, D. C. Window-cleaning device. 1,561,801; Nov. 17.
Shively, Henry D., Trenton, Mo. Rerailing frog. 1,561,802; Nov. 17.
Shuttleworth, John. (See Goulding, B. J. J., and Shuttleworth.)
Sichterman, Herman, Greensboro, N. C. Educational building construction set. 1,562,006; Nov. 17.
Siemens & Halske Aktiengesellschaft. (See Moeller, Max, assignor.)
Sieurin, Sven E., Hoganas, Sweden. Manufacture of chamotte bricks. 1,561,492; Nov. 17.
Silvester, Joseph. (See Harrison, R. B., and Silvester.)
Silvestro, John, et al. (See Menotti, Ralph, assignor.)
Simpson, Emory G., assignor to Fisher Body Corporation, Detroit, Mich. Window regulator. 1,561,749; Nov. 17.
Six Wheels, Incorporated. (See Stebbins, H. Y., and Van Leuven, assignors.)
Skinner, M. T., Cleburne, Tex., assignor of one-fourth to J. B. McCauley and one-fourth to C. A. Nabors. Rotary disk plow. 1,561,618; Nov. 17.
Smelser, Ralph A. (See Scheuerell, John T., assignor.)
Smith, Earl H., assignor of one-half to C. H. Jenkins, Chicago, Ill. Shock absorber. 1,561,493; Nov. 17.
Smith, Harry C., and P. R. Cockcroft, Milwaukee, Wis. Foot-controlled dimmer. 1,562,007; Nov. 17.
Smith, Henry C., St. Marys, Ohio. Building construction. 1,561,573; Nov. 17.
Smith, Henry C., St. Marys, Ohio. Strip-straightening attachment for rotary shears. 1,561,803; Nov. 17.
Smith, Herbert, Kingston Hill, England. Balanced control surface of aircraft. 1,561,619; Nov. 17.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,561,494; Nov. 17.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,561,949; Nov. 17.
Smith, Omar H., New York, N. Y., assignor to The Naugatuck Chemical Company. Treating rubber and the products thereof. 1,562,262; Nov. 17.
Smith, Robert L., Houston, Tex. Swivel. 1,561,750; Nov. 17.
Smith, Robert L., London, assignor to Vickers Limited, Westminster, England. Microscope. 1,561,751; Nov. 17.
Smith, Wilkes, Waco, Tex. Wall plug for use with gas. 1,561,950; Nov. 17.
Smith, Winfred L., Westbrook, Me. Adjustable tool head. 1,562,374; Nov. 17.
Snavely, Arthur J. (See Boles, M. R., and Snavely.)
Snow, William A., Winchester, Mass. Bench. Des. 68,836; Nov. 17.
Société Anonyme: Anciens Etablissements Loy et Aubé. (See Aubé, Jean, assignor.)
Société Anonyme des Engrenages Citroen. (See Boas, André, assignor.)
Society of Chemical Industry in Basle, The. (See Mayer, B., and Würgler, assignors.)
Solidifier Corporation. (See Lukens, Hiram S., assignor.)
Sommer, John C., St. Louis, Mo. Electro motor and generator. 1,562,263; Nov. 17.
Soukup, George J., Wagner, S. Dak. Corn-harvesting machine. 1,562,264; Nov. 17.
Spencer, Ira H., West Hartford, Conn. Gas engine. 1,562,375; Nov. 17.
Spielman, Charles, assignor to Wm. A. Force & Company, Inc., New York, N. Y. Type wheel for hand stamps. 1,562,376; Nov. 17.
Spielman, Marvin A., Larimore, N. Dak. Shoe polisher. 1,562,377; Nov. 17.
Spray Painting & Finishing Equipment Sales Co. (See Lindsay, Philip K., assignor.)
Sprouse, Verner E., assignor of one-third to B. L. Parham and one-third to E. Higginbotham, Indianapolis, Ind. Alarm. 1,562,067; Nov. 17.
Spyer, Arthur, London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,561,574; Nov. 17.
Stacy, Leland J., Caldwell, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing device. 1,561,951; Nov. 17.
Stafford Company, The. (See Jackson, Simeon S., assignor.)
Stalder, John W., assignor of one-fourth to C. Steckelberg, Lincoln, Nebr. Cue tips. 1,561,887; Nov. 17.
Standard Development Company. (See Becker, Arman E., assignor.)
Standard Oil Company. (See Faber, J. F., Hanna, and Chappell, assignors.)
Standard Steam Corporation. (See Newcomb, Edward C., assignor.)
Standard Turbine Corporation. (See Dahlstrand, Josef Y., assignor.)
Stanley, Florence M., Lexington, Ky. Brassière. 1,562,128; Nov. 17.
Stanwood Equipment Company. (See Stanwood, Frank H., assignor.)
Stanwood, Frank H., Wilmette, assignor to Stanwood Equipment Company, Chicago, Ill. Step tread. 1,561,668; Nov. 17.
Staples, Oscar C., Tulsa, Okla. Safety C link. 1,561,952; Nov. 17.
Staub, Caspar, jr. (See Malcher, Otto, assignor.
Stead, Harold J., Geneva, N. Y. Manufacturing bifocal lenses. 1,562,378; Nov. 17.
Stebbins, Harry Y., and D. L. Van Leuven, assignors to Six Wheels, Incorporated, Los Angeles, Calif. Six-wheel truck. 1,562,265; Nov. 17.
Steckelberg, Carl. (See Stalder, John W., assignor.)
Steedman, James P. (See Britton, George W., assignor.)
Steel Products Company, The. (See Crawford, Frederick C., assignor.)
Steele, Louis J., E. F. Kent, Portsmouth, and G. A. Madden, Southsea, England. Furnace grate. 1,561,620; Nov. 17.
Steele, Walter D., Evanston, and R. B. Benjamin, Chicago, Ill., assignors to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical connecter device. 1,562,379; Nov. 17.
Stegner, George P., assignor to William Heck Saddlery Company, California, Mo. Horse-collar pad. 1,562,129; Nov. 17.
Stehli Silks Corporation. (See Fidler, I., and Preston, assignors.)
Stein, William, St. Louis, Mo. Chlorine-gas control for flour bleaching. 1,562,380; Nov. 17.
Stengel, Joseph L., assignor to Martin-Page Company, Middlesboro, Ky. Athletic supporter. 1,561,888; Nov. 17.
Stengel, Joseph L., assignor to Martin-Page Company, Middlesboro, Ky. Forming athletic supporters. 1,561,889; Nov. 17.
Sterling, Albert J. (See Batchelor, Harold, assignor.)
Stevenson, Siguard, assignor of one-third to M. Ranieri and one-third to M. Youngberg, Brooklyn, N. Y. Game. 1,562,008; Nov. 17.
Stewart, Carlton D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle brake. 1,561,670; Nov. 17.
Stewart-Warner Speedometer Corporation. (See Whittington, Frederik G., assignor.)
Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last. 1,561,669; Nov. 17.
Stitzinger, Bruce L., Long Beach, Calif. Journal bearing. 1,562,130; Nov. 17.
Stohr, Carl T., St. Paul, Minn. Incinerator. 1,561,804; Nov. 17.
Stokes, Glen A., et al. (See Cundy, Arthur B., assignor.)
Stoll, Sherm G. (See Costelloe, C., and Stoll.)
Story & Clark Piano Co. (See Anderson, Oscar H., assignor.)
Story & Clark Piano Co. (See Harcourt, S. R., and Anderson, assignors.)
Stoyka, Charlis W., Fayette City, Pa. Vending device. 1,562,381; Nov. 17.
Straubel, Frederick L. G., Green Bay, Wis. Vertical filing drawer. 1,561,752; Nov. 17.
Straus, Henry P., New York, N. Y. Apparatus for the fractionation of petroleum. 1,562,009; Nov. 17.
Strauss, Joseph B., Chicago, Ill. Bascule bridge. 1,561,671; Nov. 17.
Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Mounting for brake gears. 1,561,805; Nov. 17.
Strong, Hiram W., assignor to Coleman Lamp Company, Wichita, Kans. Stove. 1,561,672; Nov. 17.
Stroud, William. (See Barr, A., and Stroud.)
Studebaker Corporation, The. (See Gauss, Julius M., assignor.)
Stuke, Herman, Hollis, assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Guard for printing cylinders and the like. 1,562,010; Nov. 17.
Stull, Rachel H., et al. (See Allison, Joseph J., assignor.
Sulzer Frères Société Anonyme. (See Moetteli, Arnold, assignor.)
Sunlight Reflecting Co. (See Libson, Isaac, assignor.)
Swanner, Thomas R., Luverne, Ala. Automobile jack. 1,561,753; Nov. 17.
Swanson, Peter J., Seattle, Wash. Clothes-drying rack. 1,561,575; Nov. 17.
Swartzbaugh Manufacturing Company, The. (See Ziola, Henry A., assignor.)
Sweetland, Ernest J., Montclair, N. J. Method of and apparatus for developing films. 1,561,953; Nov. 17.
Sweetser, Evelyn C., Brooklyn, N. Y. Open-air crib. 1,561,954; Nov. 17.
Swenson, Merrill G. (See Larson, C. E., and Swenson.)

Sykes, Cameron M., assignor to W. & T. Avery, Limited, Birmingham, England. Indicating mechanism of weighing apparatus. 1,561,621; Nov. 17.
Sylvan, Joseph, Cicero, Ill. Window construction. 1,562,011; Nov. 17.
Symington Company, The. (See Anderson, Gustaf A., assignor.)
Symington Company, The. (See Kadel, Byers W., assignor.)
Symington Company, The. (See Kadel, B. W., and Drenning, assignors.)
Tait Paper & Color Industries, Inc., The. (See Farley, Henry A., assignor.)
Takamine Ferment Company. (See Takamine, Jokichi, jr., assignor.)
Takamine, Jokichi, jr., Clifton, N. J., assignor to Takamine Ferment Company, New York, N. Y. Enzmic Beverage. 1,561,955; Nov. 17.
Taseff, John, Los Angeles, Calif. Facing Block for Frame Buildings. 1,561,754; Nov. 17.
Taseff, John, Los Angeles, Calif. Hanger for suspended ceilings. 1,561,755; Nov. 17.
Taylor, Caleb M., Elizabeth, N. J. Floor covering and making the same. 1,562,382; Nov. 17.
Taylor, Caleb M., Elizabeth, N. J. Floor covering and making same. 1,562,383; Nov. 17.
Taylor, Caleb M., Elizabeth, N. J. Floor covering and making same. 1,562,384; Nov. 17.
Taylor, Caleb M., Elizabeth, N. J. Floor covering and making same. 1,562,385; Nov. 17.
Taylor, Caleb M., Elizabeth, N. J. Floor covering and making the same. 1,562,386; Nov. 17.
Taylor, Caleb M., Elizabeth, N. J. Floor covering. 1,562,387; Nov. 17.
Taylor, Charles C. (See Taylor, Owen and C. C.)
Taylor, Owen and C. C., Huntington, W. Va. Radiant back. 1,562,288; Nov. 17.
Taylor, William, Leicester, England. Grinding and polishing apparatus. 1,562,068; Nov. 17.
Tenney, Daniel E., assignor to Woburn Machine Company, Woburn, Mass. Spreading roll for hide-working machines. 1,562,418; Nov. 17.
Texas Gulf Sulphur Company. (See Bacon, R. F., Kobbé, and Bascom, assignors.)
Thomas, Edward B., assignor of one-fourth to E. Disher and one-fourth to S. W. Williamson, Cincinnati, Ohio. Traction device for automobiles. 1,561,806; Nov. 17.
Thomas, H. H. (See Thomas, William G., assignor.)
Thomas, William G., South Grange, assignor to H. H. Thomas, Summit, N. J. Manufacture of cores. 1,561,956; Nov. 17.
Thompson, Amos C., Spokane, Wash. Electrical connecter. 1,561,495; Nov. 17.
Thompson, Thomas. (See Erickson, Carl B., assignor.)
Thompson, W. Moore. (See Winter, George H., assignor.)
Thompson, William O., Cleveland, Ohio. End structure for railway cars. 1,562,389; Nov. 17.
Threadwell Tool Company, The. (See Peck, Louis E., assignor.)
Thunemann, Carl, Munnsville, N. Y. Hay conveyer. 1,561,807; Nov. 17.
Tibbits, Jabez C. (See Greener, W. O. S. and Tibbits.)
Tiffany Adjustable Stand Company. (See Tiffany, Hiero G., assignor.)
Tiffany, Hiero G., assignor to Tiffany Adjustable Stand Company, St. Louis, Mo. Stand. 1,561,576; Nov. 17.
Titchener-Diehl Company. (See Civis, J. A., and Govanus, assignor.)
Todd, Mabel E., Boston, Mass. Apparatus for practicing orthopedia. 1,562,266; Nov. 17.
Toll, Rensselaer H., Long Beach, Calif. Self-starting cream remover. 1,562,131; Nov. 17.
Towle Manufacturing Company. (See Parker, George F., assignor.)
Towne, Judson R., Minneapolis, Minn. Producing fish-line floats and the like. 1,561,808; Nov. 17.
Towne, Walter M., assignor to E. W. Bliss Company, Brooklyn, N. Y. Apparatus for heating and feeding blanks. 1,561,957; Nov. 17.
Trautman, Oscar C., Lakewood, Ohio. Quenching device. 1,561,577; Nov. 17.
Trautman, Oscar C., Lakewood, Ohio. Electric heating element. 1,561,578; Nov. 17.
Trautman, Oscar C., Lakewood, Ohio. Method and apparatus for heating wire. 1,561,579; Nov. 17.
Traylor, Joseph A., Camp Meade, Md. Universal joint. 1,561,890; Nov. 17.
Trist, Edward, Pittsburgh, Pa. Brake-band-lining-securing means. 1,562,132; Nov. 17.
Trosien, Charles G., Pontiac, Mich. Gear lock for automobiles. 1,562,012; Nov. 17.
Truscon Steel Company. (See Heltzel, Francis O., assignor.)
Trussell, Clarence D. (See Trussell, Emory A., assignor.)
Trussell, Emory A., Grand Rapids, Mich., assignor of one-third to C. D. Trussell, Poughkeepsie, N. Y. Refill book. 1,561,891; Nov. 17.
Trust, Henry, deceased, Park Ridge, N. J., and F. M. Ashley, Brooklyn, N. Y.; said Ashley assignor to J. Trust, Park Ridge, N. J., administratrix. Pressing and straining machine. 1,562,390; Nov. 17.
Trust, Josephine, administratrix. (See Trust, H., and Ashley, assignors.)
Tselentis, Helias P., Chicago, Ill. Hinged half sole. 1,562,013; Nov. 17.
Tubize Artificial Silk Company. (See Bindschedler, Emile, assignor.)
Tubize Artificial Company of America. (See Juer, George, assignor.)
Tucker, Leonard, Clapham Common, London, England, assignor to Vickers Limited, Westminster, England. Trigger mechanism of machine guns and automatic small arms. 1,561,756; Nov. 17.
Tully, George L., assignor to American Optical Company, Southbridge, Mass. Goggles. 1,561,958; Nov. 17.
Turiga, Stephen, Beacon, N. Y. Necktie. 1,561,959; Nov. 17.
Turner, Cameron, Beverly, Mass., assignor to Motor Industries, Inc., Chicago, Ill. Electric flash light. 1,561,757; Nov. 17.
Uhlemann, Theodore F., Glen Morris, assignor to Nicholas Power Company, Inc., New York, N. Y. Lamp support. 1,562,014; Nov. 17.
Ulery, Clarence E., and F. C. Fitch, Terrell, Tex. Clock arbor or shaft. 1,561,673; Nov. 17.
Underwood Typewriter Company. (See Kelly, William A., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Ungar, Harry A., Los Angeles, Calif. Golf positioning apparatus. 1,561,960; Nov. 17.
Union Carbide and Carbon Research Laboratories Inc. (See Seabury, Richard W., assignor.)
United Shoe Machinery Corporation. (See Pope, Elmer R., assignor.)
United Shoe Machinery Corporation. (See Stewart, William C., assignor.)
United States Chain & Forging Company. (See Albright, Robert R., assignor.)
United States Gauge Company. (See Cahill, Anthony M., assignor.)
United States Gypsum Company. (See Birdsey, Charles R., assignor.)
U. S. Light & Heat Corporation. (See Carpenter, Campbell C., assignor.)
U. S. Light & Heat Corporation. (See Engel, Frank, assignor.)
Universal Cigar Machinery Co., The. (See Heyman, Albert A., assignor.)
Universal Draft Gear Attachment Company. (See Camp, Percy B., assignor.)
Universal Oil Products Company. (See Egloff, Gustav, assignor.)
Universal Specialty Company. (See Gessler, Daniel J., assignor.)
Unsinger Manufacturing Company, The. (See Unsinger, Philip H., assignor.)
Unsinger, Philip H., assignor to The Unsinger Manufacturing Company, Fremont, Ohio. Cutting device. 1,562,429; Nov. 17.
Valerius, Theodore L., Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Hydraulic washing apparatus. 1,561,809; Nov. 17.
Van Deventer, Harry R. (See Allcutt, C. T., and Van Deventer.)
Van Flett, Charles. (See Walker, Ernest S., assignor.)
Van Leuven, David L. (See Stebbins, H. Y., and Van Leuven.)
Vass, Thomson D. (See Morrison, M., Vass, and Fisher.)
Veith, Irving A., and R. F. Erental, New York, N. Y. Jar or similar container. Des.68,837; Nov. 17.
Vernam, Gilbert S., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Printing telegraphy. 1,561,526; Nov. 17.
Vesely, Stanley J., Cedar Rapids, Iowa. Lifting jack. 1,562,015; Nov. 17.
Vesely, Stanley J., Cedar Rapids, Iowa. Vehicle jack. 1,562,016; Nov. 17.
Vickers Limited. (See Lucas, Owen D., assignor.)
Vickers Limited. (See Ryan, Cyril P., assignor.)
Vickers Limited. (See Smith, Robert L., assignor.)
Vickers Limited. (See Tucker, Leonard, assignor.)
Vidon, Johann, Evanston, Ill. Device for detachably connecting beams. 1,562,391; Nov. 17.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,562,392; Nov. 17.
Von Bibra, Carl J. (See Prutzman, P. W., and von Bibra.)
Vogt, Philipp, assignor to C. L. Letson, Utica, N. Y. Automatically-opening music rack. 1,562,393; Nov. 17.
Vollrath Co., The. (See Morris, Frederick S., assignor.)
Von Littrow, Hans, Chemnitz, Germany. Apparatus for cleaning windows. 1,562,017; Nov. 17.
Waddle, Clarence R. (See Leach, E. G., and Waddle.)
Wagner Electric Corporation. (See Weichsel, Hans, assignor.)
Wagner, Erna C., executrix. (See Wagner, Louis.)
Wagner, Louis, deceased, Woodhaven; E. C. Wagner, executrix, assignor to F. Schneider, Brooklyn, N. Y. Display box. 1,561,622; Nov. 17.
Wahl Company, The. (See Wahl, John C., assignor.)
Wahl, John C., Chicago, Ill., assignor to The Wahl Company, Wilmington, Del. Fountain pen. 1,562,267; Nov. 17.
Waldschmidt, Elmer T., Pittsburgh, Pa. Badge. Des. 68,838; Nov. 17.



Walker, Ernest S., assignor of forty-nine one-hundreths to C. Van Flett, St. John, Kans. Radiator. 1,562,394; Nov. 17.
Walker, Uel T., Eccles, W. Va. Generator attachment. 1,562,395; Nov. 17.
Wallace, George W., East St. Louis, Ill. Apparatus for distilling oil. 1,561,758; Nov. 17.
Waller, John, Los Angeles, Calif., assignor, by mesne assignments, to Flexo Common Lath Company. Plaster-lath construction. 1,562,427; Nov. 17.
Ward, Frank E., Corona, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,562,396; Nov. 17.
Warff, Robert, San Francisco, Calif. Combination wrench. 1,562,018; Nov. 17.
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Watson, George R., assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Drill bit. 1,561,580; Nov. 17.
Watson, George W., London, England. Manufacture of honeycomb for beehives. 1,561,623; Nov. 17.
Watson, John D., Appleton, Wis. Heddle-frame movement. 1,562,268; Nov. 17.
Wayerski, Peter, Junction City, Wis. Toy vehicle. 1,561,674; Nov. 17.
Weeks, William W., Brooklyn, N. Y., assignor to Elevator Supplies Company, Inc. Elevator-door-operating mechanism. 1,561,810; Nov. 17.
Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating-current motor. 1,561,624; Nov. 17.
Weir, G. & J., Limited. (See Weir, James G., assignor.)
Weir, James G., assignor to G. & J. Weir, Limited, Cathcart, Glasgow, Scotland. Boiler-feeding apparatus. 1,561,675; Nov. 17.
Weitling, William W. (See Henry, Augustus M., assignors.)
Wendelken, Charles, Corpus Christi, Tex. Aircraft control and stabilizer. 1,561,961; Nov. 17.
Wertman, Charles E., assignor to The Whitney Mfg. Co., Hartford, Conn. Chain and parts therefor. 1,561,676; Nov. 17.
Western Casket Co. (See Anderson, Ria O., assignor.)
Western Electric Company. (See Beck, William O., assignor.)
Western Electric Company. (See Boving, Henrik, assignor.)
Western Electric Company. (See Clark, Edgar H., assignor.)
Western Electric Company. (See Egert, B. J., and De Coster, assignors.)
Western Electric Company. (See Field, Joseph C., assignor.)
Western Electric Compony. (See Given, Frederick J., assignor.)
Western Electric Company. (See Gooderham, John W., assignor.)
Western Electric Company. (See Grange, John D., assignor.)
Western Electric Company. (See Harris, James E., assignor.)
Western Electric Company. (See Harrison, Henry C., assignor.)
Western Electric Company. (See Hoornbeek, Henry G., assignor.)
Western Electric Company. (See Houskeeper, William G., assignor.)
Western Electric Company. (See Jordan, J. D., and Dowd, assignors.)
Western Electric Company. (See Kendall, Burton W., assignor.)
Western Electric Company. (See Kiesel, Walter C., assignor.)
Western Electric Company. (See Radu, John W., assignor.)
Western Electric Company. (See Rainey, Paul M., assignor.)
Western Electric Company. (See Stacy, Leland J., assignor.)
Western Electric Company. (See Ward, Frank E., assignor.)
Western Electric Company, Incorporated. (See Whiting, Donald F., assignor.)
Western Electric Company. (See Whitlock, Leon E., assignor.)
Western Electric Company. (See Wilson, James R., assignor.)
Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
Westinghouse Air Brake Company, The. (See Stewart, Carlton D., assignor.)
Westinghouse Electric and Manufacturing Company. (See Baumann, Karl, assignor.)
Westinghouse Electric and Manufacturing Company. (See Schmidt, H. F., and Morgan, assignors.)
Wetmore, William O., Douglas, Ariz. Vehicle tire. 1,561,759; Nov. 17.
Whelan, Martin C., Kansas City, Kans. Eye protector. 1,561,760; Nov. 17.
Whelchel, Lyman F., assignor of one-half to W. F. Britton, Anniston, Ala. Trap. 1,562,397; Nov. 17.
Wheller, John W., Elizabeth, N. J., assignor to L. J. Wing Manufacturing Company, New York, N. Y. Elastic-fluid turbine. 1,561,811; Nov. 17.
White, Eber B., South Bend, Ind. Wrench. 1,561,812; Nov. 17.
White, Henry W., New Orleans, La. Shingle fastener. 1,561,677; Nov. 17.
Whitehurst, James V., Elizabeth City, N. C. Automatic crossing gate. 1,562,398; Nov. 17.
Whitin Machine Works. (See Jolly, James, assignor.)
Whiting, Donald F., assignor to Western Electric Company, Incorporated, New York, N. Y. Regulating repeater systems. 1,561,892; Nov. 17.
Whitlock, Leon E., Leavenworth, Kans., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool for cleaning electrical contact surfaces. 1,561,496; Nov. 17.
Whitman, Charles M., Henryetta, Okla. Stove. 1,562,399; Nov. 17.
Whitney, Gilbert C., New York, N. Y. Railway-traffic-controlling system. 1,561,962; Nov. 17.
Whitney Mfg. Co., The. (See Wertman, Charles E., assignor.)
Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vehicle searchlight. 1,561,625; Nov. 17.
Wier, Frederick S., Richmond, Ind. Hot-air heater. 1,561,497; Nov. 17.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Die-holding means. 1,561,498; Nov. 17.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Die-holding mechanism. 1,561,499; Nov. 17.
Wiley, Ralph W., San Francisco, Calif. Traffic signal. 1,562,400; Nov. 17.
Wiley, Roy R., assignor to Flexlume Corporation, Buffalo, N. Y. Illuminated sign. 1,561,626; Nov. 17.
Wilkinson, James, Lynn, Mass., assignor to General Electric Company. Shaft packing for elastic-fluid turbines and the like. 1,562,019; Nov. 17.
Wilkinson, Joseph, East Fairhaven, Mass. Cross-weaving loom. 1,561,627; Nov. 17.
Williams, Abraham E., Chicago, Ill. Combined smoke conduit and absorbent holder for tobacco pipes. 1,562,401; Nov. 17.
Williams, Clarence W., East Palestine, Ohio. Refractory heater plate. 1,561,893; Nov. 17.
Williams, George B., Gary, Ind. Automobile signal casing. Des. 68,839; Nov. 17.
Williams, Glen L., Detroit, Mich. Tempering light alloys. 1,562,269; Nov. 17.
Williams, Vernon P., et al. (See Conklin, George R., assignor.)
Williams, Walter T., Topeka, Kans. Circuit controller for flow indicators. 1,561,813; Nov. 17.
Williams, Ward G., Brandon, Wis. Electric switch. 1,562,020; Nov. 17.
Williamson, Sydney W., et al. (See Thomas, Edward B., assignor.)
Willis, Harry S., Philadelphia, Pa. Shoe heel and cushion plug therefor. 1,561,628; Nov. 17.
Wilson, Arthur O., Wayne, Mich. Radiochandelier. 1,562,402; Nov. 17.
Wilson, Elihu C., Los Angeles, Calif. Tongs. 1,561,963; Nov. 17.
Wilson, Henry J., Newton Abbott, England. Shock absorber for motor cars and like vehicles. 1,561,629; Nov. 17.
Wilson, James R., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,562,403; Nov. 17.
Wilson, Robert A., Waltham, Mass. Micrometer calipers. 1,561,630; Nov. 17.
Wilson, William G., Stratford, Conn. Candy-cooling table. 1,561,894; Nov. 17.
Winans, Myron L., Waco, Tex. Truck body. 1,562,404; Nov. 17.
Window Glass Machine Company. (See Monro, William L., assignor.)
Wing, L. J., Manufacturing Company. (See Wheller, John W., assignor.)
Winter, George H., assignor to W. Moore Thompson, Chicago, Ill. Antithumb-sucking device. 1,561,631; Nov. 17.
Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)
Wittman, Edwin A. See Wittman, Richard C., H. F., and E. A.)
Wittman, Hilary F. (See Wittman, Richard C., H. F., and E. A.)
Wittman, Richard C., H. F., and E. A., St. Marys, Pa. Tractor attachment for burning in bearings. 1,561,964; Nov. 17.
Wittstein, Herman L., assignor to The Atlas Manufacturing Company, New Haven, Conn. Knife sharpener. 1,561,895; Nov. 17.
Woburn Machine Company. (See Tenney, Daniel E., assignor.)
Wolfe, Albert H., Santa Rosa, Calif. Wrench. 1,562,270; Nov. 17.
Wolfe, William S., Akron, Ohio. Tire Tread. Des. 68,840; Nov. 17.
Wolff, August, New York, N. Y. Raking machine. 1,562,405; Nov. 17.

Wolff Manufacturing Corporation. (See Hughes, Thomas A., assignor.)
Wolverine Supply and Manufacturing Company. (See Bain, Carl C., assignor.)
Wood, Harry S., London, England. Drying apparatus 1,561,896; Nov. 17.
Wood, John R., assignor to New Process Multi-Castings Company, Newark, N. J. Molding machine. 1,561,500; Nov. 17.
Woodbury, John E., Worcester, Mass. Front-wheel brake for automobiles. 1,562,133; Nov. 17.
Woodring, Alberto L., and W. G. Lamb, Waterloo, Iowa. Self-lubricating nut. 1,561,679; Nov. 17.
Woods, Harold B. (See Du Grenier, Arthur H., assignor.)
Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
Woodville, Charles B., Chicago, Ill. Portable light. 1,562,406; Nov. 17.
Woodward, Herbert S., Carbondale, Pa. Perforated indented screen. 1,561,632; Nov. 17.
Wrigley, Wm., Jr., Co. (See Ranney, W. B., and Johnson, assignors.)
Würgler, Jakob. (See Mayer, B., and Würgler.)
Wurlitzer, Rudolph, Manufacturing Company, The. (See McCormick, Frank L., assignor.)
Youngberg, Magnus, et al. (See Stevenson, Siguard, assignor.)
Zander, Hermann, Stettin, Germany. Strainer for oil presses. 1,562,134; Nov. 17.
Ziola, Henry A., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric cooker. 1,562,021; Nov. 17.

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 17TH DAY OF NOVEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrading machine. W. D. Kmentt. 1,561,861; Nov. 17.
Abrasive fabric. R. B. Kingman. 1,561,727; Nov. 17.
Abrasives, etc., Hand block for. W. L. McKnight. 1,562,414; Nov. 17.
Acid, Production of sulphuric. H. Klencke. 1,561,985; Nov. 17.
Acids from oils, Removing. P. W. Prutzman and P. D. Barton. 1,562,000; Nov. 17.
Acoustic device. H. C. Harrison. 1,562,165; Nov. 17.
Adjusting device. L. E. Baltzley. 1,562,070; Nov. 17.
Advertising displays, Method and mounting for. M. T. C. Jenter. 1,561,929; Nov. 17.
Aeroplane construction. E. Dewoitine. 1,561,697; Nov. 17.
Aeroplanes, Landing chassis and tail skid for. E. Dewoitine. 1,561,698; Nov. 17.
Aircraft, Balanced control surface of. H. Smith. 1,561,619; Nov. 17.
Aircraft control and stabilizer. C. Wendelken. 1,561,961; Nov. 17.
Aircraft, Material distributor for. C. L. Pelton. 1,562,251; Nov. 17.
Air heater. M. L. Page. 1,561,741; Nov. 17.
Airplane gas tank and making same. S. J. Baum. 1,562,074; Nov. 17.
Airship, Dirigible. F. L. Covert. 1,561,696; Nov. 17.
Airships, Mooring mast for. V. H. Dill. 1,562,310; Nov. 17.
Alarm: *See*—
Burglar alarm.
Alarm. V. E. Sprouse. 1,562,067; Nov. 17.
Alloy, Iron-boron. A. Pacz. 1,562,043; Nov. 17.
Alloys, Preparing boron-iron. A. Pacz. 1,562,042; Nov. 17.
Alloys, Producing molybdenum and vanadium. J. J. Boericke. 1,562,201; Nov. 17.
Alloys, Tempering light. G. L. Williams. 1,562,269; Nov. 17.
Animal trap. A. C. Jones and J. O'Neil. 1,562,334; Nov. 17.
Antiglare device or eyeshield. R. H. Gilkerson. 1,562,086; Nov. 17.
Antislipping device. J. Gemza. 1,561,464; Nov. 17.
Antitarnish composition. T. H. Lasher. 1,561,650; Nov. 17.
Antithumb-sucking device. G. H. Winter. 1,561,631; Nov. 17.
Apron. N. Q. Donnelly. 1,561,836; Nov. 17.
Apron, Spillway. T. Rehbock. 1,561,796; Nov. 17.
Arch support. A. A. Friberg. 1,562,420; Nov. 17.
Ash gate. F. B. Allen. 1,561,701; Nov. 17.
Athletic supporter. J. L. Stengel. 1,561,888; Nov. 17.
Athletic supporters, Forming. J. L. Stengel. 1,561,889; Nov. 17.
Auger, Posthole. A. W. Riedle. 1,561,523; Nov. 17.
Automatic register. L. K. Aldrich. 1,562,271; Nov. 17.
Automobile jack. T. R. Swanner. 1,561,753; Nov. 17.
Automobile lens. H. M. Sardonell. 1,561,570; Nov. 17.
Automobile light. G. H. Glade, jr. 1,561,603; Nov. 17.
Automobile power jack. D. Gudeman. 1,562,160; Nov. 17.
Automobile radiator. C. Costelloe and S. G. Stoll. 1,561,695; Nov. 17.
Automobile signal casing. G. B. Williams. Des. 68,839; Nov. 17.
Automobile trailer. H. L. Shanks. 1,562,371; Nov. 17.
Automobiles and like vehicles, Resilient suspension device for. V. R. Collard. 1,561,776; Nov. 17.
Automobiles, Auxiliary heating and circulating apparatus for. E. E. Melotti. 1,562,240; Nov. 17.
Automobiles, Direction signal for. H. G. King. 1,562,339; Nov. 17.
Automobiles, Front-wheel brake for. J. E. Woodbury. 1,562,133; Nov. 17.
Automobiles, Gear lock for. C. G. Trosien. 1,562,012; Nov. 17.
Automobiles, Heater for. J. Richardson and A. L. Henderson. 1,561,947; Nov. 17.
Automobiles, Traction device for. E. B. Thomas. 1,561,806; Nov. 17.
Awning. J. Manassa. 1,562,355; Nov. 17.
Ax and brush hook, Combined. C. B. Erickson. 1,562,154; Nov. 17.
Ax, Fireman's. C. Johnson. 1,561,647; Nov. 17.
Badge. E. T. Waldschmidt. Des. 68,838; Nov. 17.
Badge or like article. W. I. Rosenfeld, jr. Des. 68,831; Nov. 17.
Bag: *See*—
Golf bag. Hand bag.
Bag-filling machines, Jigging device for. A. M. Bates. 1,561,587; Nov. 17.
Bag-making machine. R. H. Plass. 1,562,049; Nov. 17.
Baled material, Implement for handling. H. F. Micher. 1,562,034; Nov. 17.
Bank, Dime-savings. H. N. Andreasen. 1,561,502; Nov. 17.
Bascule bridge. J. B. Strauss. 1,561,671; Nov. 17.
Baseball mitt. H. B. Latina. 1,562,176; Nov. 17.
Basket, Cement. R. C. Baker. 1,561,768; Nov. 17.
Batteries, Treatment of plates for storage. C. C. Carpenter. 1,561,775; Nov. 17.
Battery vent cap. W. E. Holland. Des. 68,808; Nov. 17.
Bearing, Main. S. B. Redfield. 1,561,745; Nov. 17.
Bearing, Roller. C. F. Draper. 1,562,312; Nov. 17.
Bearings, Tractor attachment for burning in. R. C., H. F., and E. A. Wittman. 1,561,964; Nov. 17.
Bedclothes holder, Safety. E. C. Laird. 1,562,027; Nov. 17.
Bedclothes support. C. F. Heath. 1,561,922; Nov. 17.
Bed, Exercise. R. H. Gore. 1,561,979; Nov. 17.
Bed springs, Supporting frame for. R. B. Harrison and J. Silvester. 1,561,853; Nov. 17.
Beehives, Manufacture of honeycomb for. G. W. Watson. 1,561,623; Nov. 17.
Beet topper. W. Hartenstein. 1,562,166; Nov. 17.
Bench. W. W. Malley. Des. 68,819; Nov. 17.
Bench. W. A. Snow. Des. 68,836; Nov. 17.
Bending and clamping frame. J. L. McKeown. 1,561,613; Nov. 17.
Beverage, Enzymic. J. Takamine, jr. 1,561,955; Nov. 17.
Billboard. R. L. Bird and H. C. Jex. 1,562,140; Nov. 17.
Binder, Loose-leaf. J. C. Dawson. 1,562,081; Nov 17.
Binocular. H. Jacob. 1,561,858; Nov. 17.
Bisulphite-pulp cooking, Control of. J. E. Fleury. 1,562,217; Nov. 17.
Bit: *See*—
Drill bit.
Blanks, Apparatus for heating and feeding. W. M. Towne. 1,561,957; Nov. 17.
Block: *See*—
Cutting block.
Board: *See*—
Drawing board. Plaster board.
Paperboard.
Bobbins, Device to prevent rotation of. H. L. Blanchard. 1,561,686; Nov. 17.
Boiler: *See*—
Steam boiler. Water-tube boiler.
Boiler. H. C. Prox. 1,561,663; Nov. 17.
Boiler-feeding apparatus. J. G. Weir. 1,561,675; Nov. 17.
Boilers, Blow-off for. H. M. Kaul. 1,562,336; Nov. 17.
Boilers, Furnace-mouth lining for. W. H. Lawrence. 1,562,031; Nov. 17.
Bolster. G. A. Anderson. 1,562,022; Nov. 17.
Book and similar binding. W. P. Pitt. 1,561,742; Nov. 17.
Bookbinding. W. B. Pearson. 1,561,995; Nov. 17.
Book cover. O. B. Crowell. 1,561,638; Nov. 17.
Book, Refill. E. A. Trussell. 1,561,891; Nov. 17.
Book-supporting device. J. M. Armstrong 1,562,275; Nov. 17.
Bottle. H. J. Eisenberg. Des. 68,778; Nov. 17.
Bottle and holder, Combined perfume. C. L. Marcus and J. A. Fields. Des. 68,821; Nov. 17.
Bottle-cap remover. H. B. Mathews. 1,561,519; Nov. 17.
Bottle carrier, Milk-. F. C. Althen. 1,561,453; Nov. 17.
Bottle-cover holder. W. H. Le Massena. 1,562,102; Nov. 17.
Bottle filling and capping machine. O. Larsen. 1,561,868; Nov. 17.
Bottle or similar article. J. L. Philippeau. Des. 68,830; Nov. 17.
Bottle, Perfume. G. T. Gibson. Des. 68,779; Nov. 17.
Bottle, Perfume. G. T. Gibson. Des. 68,841; Nov. 17.

Bottle, Perfume. C. L. Marcus and J. A. Fields. Des. 68,820; Nov. 17.
Box: *See*—
Coil box. Journal box.
Display box. Safety box.
Box blanks, Making wirebound-. E. Craig. 1,562,413; Nov. 17.
Box or similar container, Candy. C. C. Schuler. Des. 68,833; Nov. 17.
Bracket: *See*—
Curtain bracket. Lamp bracket.
Brake: *See*—
Vehicle brake.
Brake. D. Brown. 1,561,905; Nov. 17.
Brake. P. L. Peterson. 1,561,794; Nov. 17.
Brake-band-lining-securing means. E. Trist. 1,562,132; Nov. 17.
Brake beam, Trussed. A. C. Mather. 1,561,791; Nov. 17.
Brake segments, Making. I. J. Novak. 1,561,740; Nov. 17.
Brake-shoe construction. S. G. Down. 1,561,700–5; Nov. 17.
Brake systems, Exhaust-control mechanism for air-. A. B. Kendall. 1,561,469; Nov. 17.
Brassière. F. M. Stanley. 1,562,128; Nov. 17.
Brick, Plastic fire. W. A. L. Schaefer. 1,561,571; Nov. 17.
Brick press and the like. R. Navet. 1,562,358; Nov. 17
Bricks, Manufacture of chamotte. S. E. Sleurin. 1,561,492; Nov. 17.
Brining machine. J. J. Barry and C. Birdseye. 1,561,503; Nov. 17.
Bucket, Leacher. H. D. Kelly. 1,561,788; Nov. 17.
Building construction. A. Kiss. 1,562,340; Nov. 17.
Building construction. H. C. Smith. 1,561,573; Nov. 17.
Building construction, set, Educational. H. Sichterman. 1,562,006; Nov. 17.
Building structure, Metallic. E. J. Bailey, jr. 1,562,198; Nov. 17.
Buildings, Facing block for frame. J. Taseff. 1,561,754; Nov. 17.
Bumper. H. B. Hudgins. 1,562,329; Nov. 17.
Bumper-bar attachment. A. G. Gustafson. 1,561,405; Nov. 17.
Buoyant chair. A. Assenzio. 1,562,276; Nov. 17.
Burglar alarm. J. Nowakowski. 1,562,039; Nov. 17.
Burner: *See*—
Fuel burner. Glass-working burner.
Gas burner.
Burner and generator. L. C. Johnson. 1,562,333; Nov. 17.
Calendar stand. N. L. Jacobus. Des. 68,809; Nov. 17.
Calipers, Micrometer. B. A. Wilson. 1,561,630; Nov. 17.
Cameras, Film holder for cinematograph. E. C. Pénin. 1,561,945; Nov. 17.
Can-labeling machine. M. Feybusch and P. W. Fleischer. 1,561,600; Nov. 17.
Candle holder. C. E. Daniel. 1,561,508; Nov. 17.
Candy-cooling table. W. G. Wilson. 1,561,894; Nov. 17.
Cap, Adjustable. O. J. Millsaps. 1,562,241; Nov. 17.
Cap, Bathing. G. K. Guinzburg. Des. 68,803; Nov. 17.
Car door. J. O. Oakley. 1,562,249; Nov. 17.
Car door, Box-. L. S. Haraldson. 1,561,852; Nov. 17.
Car-door-operating mechanism. A. Campbell. 1,562,203; Nov. 17.
Car stand, Motor-. F. G. Erickson and F. D. Oley. 1,562,426; Nov. 17.
Car, Pleasure-railway. J. A. Miller. 1,562,035; Nov. 17.
Car, Railway. T. Elliott. 1,562,317; Nov. 17.
Car, Railway. H. W. Sanford. 1,561,488; Nov. 17.
Car seal. M. J. Lins. 1,561,869; Nov. 17.
Car stop, Mine-. J. Latoszewski. 1,561,987; Nov. 17.
Cars and like vehicles, Shock absorber for motor. H. J. Wilson. 1,561,629; Nov. 17.
Cars, Buffer for railway. T. Elliott. 1,562,316; Nov. 17.
Cars, End structure for railway. W. O. Thompson. 1,562,389; Nov. 17.
Cars, Multiple-unit door-control system for. F. Hedley and J. S. Doyle. 1,561,467; Nov. 17.
Carburetor. D. D. Buick. 1,561,967; Nov. 17.
Carburetor. L. Saives. 1,562,126; Nov. 17.
Carburetor, Auxiliary. C. M. Dawdy. 1,562,301; Nov. 17.
Carburetor cut-off. H. W. Moir. 1,562,116; Nov. 17.
Carburizing. N. E. Phillips. 1,561,482; Nov. 17.
Card, Display. S. R. Fraim. Des. 68,775; Nov. 17.
Carpet support, Stair-. E. A. Savary. 1,561,489; Nov. 17.
Carrier: *See*—
Bottle carrier. Luggage carrier.
Hog carrier.
Cart. P. Mosier. 1,561,658; Nov. 17.
Cartridge, Grease. R. C. Portway. 1,561,885; Nov. 17.
Casket and lining, Combined. R. O. Anderson. Des. 68757–9; Nov. 17.
Casket-handle socket. E. Drinkuth. Des. 68,771; Nov. 17.
Casting apparatus. C. E. Larson and M. G. Swenson. 1,562,029; Nov. 17.
Casting machine. F. Engel. 1,561,780; Nov. 17.
Ceilings and walls, Treating plastered. S. L. Mortensen. 1,561,520; Nov. 17.
Ceilings, Hanger for suspended. J. Taseff. 1,561,755; Nov. 17.
Cellulose, Nitrating. G. Juer. 1,562,093; Nov. 17.
Cement, Making. A. G. Croll. 1,562,207; Nov. 17.
Cement packer. A. M. Bates. 1,561,586; Nov. 17.
Cement packer. A. M. Bates. 1,561,588; Nov. 17.
Chain and parts therefor. C. E. Wertman. 1,561,676; Nov. 17.
Chain coupling. D. W. Jones. 1,561,787; Nov. 17.
Chair: *See*—
Buoyant chair. Folding chair.
Change receiver and sign illuminator, Combined. P. Michalove. 1,561,991; Nov. 17.
Check-controlled mechanism. A. H. Du Grenier. 1,561,707; Nov. 17.
Check protector. O. Malcher. 1,562,109; Nov. 17.
Check, Rebound. R. T. Newton. 1,561,522; Nov. 17.
Cheese-slicing machine. L. A. J. J. and F. V. A. J. Rey. 1,561,746; Nov. 17.
Cheese, Treating. W. Faehndrich. 1,561,781; Nov. 17.
Chicks, Buttermilk feeder for. F. W. Lord. 1,561,871; Nov. 17.
Chimney and ventilating cowl and its shaft. W. H. Mottershall. 1,561,521; Nov. 17.
Chuck. O. Garrison. 1,561,843; Nov. 17.
Cigars and tobacco, Container for. J. S. Sherman. Des. 68,835; Nov. 17.
Clamp: *See*—
Rail clamp. Wheel clamp.
Railway clamp. Wringer clamp.
Clay press. P. F. Loichot. 1,561,612; Nov. 17.
Cleaner: *See*—
Valve-guide cleaner.
Cleaning device. M. L. Bibb. 1,562,285; Nov. 17.
Clip: *See*—
Pen clip.
Clock arbor or shaft. C. E. Ulery and F. C. Fitch. 1,561,673; Nov. 17.
Clock mechanism. H. M. Huemann. 1,561,786; Nov. 17.
Closure. J. J. Gannon. 1,561,601; Nov. 17.
Closures, Effecting. H. Batchelor. 1,562,073; Nov. 17.
Clothes presser, Electric. C. R. Nelson. 1,562,246; Nov. 17.
Clutch. A. C. Lindgren. 1,561,611; Nov. 17.
Clutch, Friction. J. L. Burns. 1,562,144; Nov. 17.
Clutch, Hydraulic. S. A. Kraft. 1,561,549; Nov. 17.
Clutch-pedal lock. B. S. Rogers. 1,562,057; Nov 17.
Coal and other minerals by means of liquid streams, Plant for washing. A. France. 1,561,919; Nov. 17.
Coal-temperature indicator. R. P. Nichols. 1,561,659; Nov. 17.
Code-writing machine. L. A. Nemcovsky. 1,562,120; Nov. 17.
Coil box. M. R. Boles and A. J. Snavely. 1,562,286; Nov. 17.
Coil mounting. E. T. Cunningham. 1,561,834; Nov. 17.
Coiling or winding apparatus. J. D. Jordan and A. J. Dowd. 1,561,468; Nov. 17.
Coin-operated instruments and machines, Device for controlling. F. L. McCormick. 1,562,178; Nov. 17
Coke, Cooling plant for. A. Moettell. 1,562,181; Nov. 17.
Collapsible cup. I. Davidson. 1,561,509; Nov. 17.
Combination wrench. R. Warff. 1,562,018; Nov. 17.
Combustion, Apparatus for controlling. J. L. Kimball. 1,562,338; Nov. 17.
Combustion, Method of and apparatus for controlling. J. W. Griswold. 1,562,087; Nov. 17.
Composition of matter and making the same. H. S. Laikens. 1,561,473; Nov. 17.
Concrete-block mold. W. H. Patterson. 1,562,044; Nov. 17.
Concrete-building form. H. C. Riesbol. 1,562,366; Nov. 17.
Concrete form. F. O. Heltzel. 1,561,923; Nov. 17.
Cone-winding machines, Attachment for. A. A. Johnson. Re16,211; Nov. 17.
Connecting beams, Device for detachably. J. Vidon. 1,562,391; Nov. 17.
Conveyer systems, Receiving terminal for. J. G. Maclaren. 1,562,354; Nov. 17.
Conveyer systems, Safety device for. F. B. Peebles. 1,562,416; Nov. 17.
Cooker, Electric. H. A. Ziola. 1,562,021; Nov. 17.
Cooling apparatus, Radiating or. K. Baumann. 1,562,199; Nov. 17.
Cooling of goods, Direct. A. J. A. Ottesen. 1,562,360; Nov. 17.
Cores, Manufacture of. W. G. Thomas. 1,561,956; Nov. 17.
Cotton comber. J. Jolly. 1,561,931; Nov. 17.
Cotton lapper. S. B. Lawton. 1,562,101; Nov. 17.
Cottonseed and the like, Apparatus for defibrating. E. C. de Segundo. 1,562,308; Nov. 17.
Counterbore. A. C. De Rochemont. 1,561,463; Nov. 17.
Coupling: *See*—
Chain coupling. Pinion or pulley coupling.
Drill-pipe coupling.
Coupling-element-attaching apparatus. A. Guttly. 1,562,230; Nov. 17.
Cream remover, Self-starting. R. H. Toll. 1,562,131; Nov. 17.
Crib, Open-air. E. C. Sweetser. 1,561,954; Nov. 17.
Crossing gate, Automatic. W. Harder. 1,561,717; Nov. 17.
Crossing gate, Automatic. J. V. Whitehurst. 1,562,398; Nov. 17.
Crucible charger. G. E. Marlatt. 1,561,876; Nov. 17.
Cue tip. J. W. Stalder. 1,561,887; Nov. 17.
Cuff fastener. V. H. Salzi. 1,562,058; Nov. 17.





Cultivator and weeder. A. D. Healy. 1,561,466; Nov. 17.
Cup: *See*—
Collapsible cup.
Curling-iron heater, Electrical. T. S. Lorenze and W. S. Schmidt. 1,562,849; Nov. 17.
Current motor, Alternating-. H. Welchsel. 1,561,624; Nov. 17.
Current, Source of alternating. B. W. Kendall. 1,561,933; Nov. 17.
Curtain and drapery protector. A. C. Faul. 1,561,840; Nov. 17.
Curtain bracket. E. L. Renzenbrink. 1,561,617; Nov. 17.
Curtain light. E. Mandel. 1,562,356; Nov. 17.
Curtainlike roundhorizons, Device for moving. R. Fritsch. 1,562,220; Nov. 17.
Cushion: *See*—
Swimming cushion.
Cushion or mattress, Spring. H. H. Knepper. 1,561,729; Nov. 17.
Cutter: *See*—
Hog's-head cutter.
Cutting block, Built-up pigskin-. H. M. Gusdorf. 1,562,162; Nov. 17.
Cutting device. P. H. Unsinger. 1,562,429; Nov. 17.
Cyanide solutions, Producing. K. F. Cooper. 1,562,295; Nov. 17.
Cylinders, Cooling of. F. L. Midler. 1,562,107; Nov. 17.
Derrick. A. L. Keltner. 1,561,724; Nov. 17.
Dial assembly. W. R. Hill. Des. 68,807; Nov. 17.
Die-holding means. R. L. Wilcox. 1,561,498; Nov. 17.
Die-holding mechanism. R. L. Wilcox. 1,561,499; Nov. 17.
Dielectric sheets, Distinguishing. G. W. Pickard. 1,561,483; Nov. 17.
Dimmer, Foot-controlled. H. C. Smith and P. R. Cockcroft. 1,562,007; Nov. 17.
Direction indicator. H. B. McCaine. 1,561,989; Nov. 17.
Discharging skip. S. T. Farnsworth and G. Haskins. 1,561,917; Nov. 17.
Dish and cover. F. S. Morris. 1,561,943; Nov. 17.
Dispensing device. W. P. Anthony. 1,561,582; Nov. 17.
Display box. L. Wagner. 1,561,622; Nov. 17.
Display device. J. B. Holtz. 1,562,236; Nov. 17.
Display or sample book, Portable. H. A. Farley. 1,562,320; Nov. 17.
Door, Adjustable screen. G. E. Richards. 1,562,055; Nov. 17.
Door and gate latch, Adjustable. J. Felkner. 1,561,642; Nov. 17.
Dovetail, Adjustable. G. W. Kerr. 1,561,726; Nov. 17.
Draft rigging. B. W. Kadel and P. R. Drenning. 1,562,094; Nov. 17.
Draft rigging. E. A. Laughlin. 1,562,100; Nov. 17.
Drafting instrument. A. Cram. 1,561,462; Nov. 17.
Drag-link element. F. C. Crawford. 1,561,972; Nov. 17.
Drawing board. E. L. Drinkwater and G. C. Davison. 1,562,208; Nov. 17.
Dresser and bed, Combined. F. G. Chempanos. 1,562,205; Nov. 17.
Drier. W. M. Schwartz. 1,562,260; Nov. 17.
Drill: *See*—
Mining drill.
Drill bit. G. R. Watson. 1,561,580; Nov. 17.
Drill-pipe coupling. W. Sheldon. 1,562,373; Nov. 17.
Drinking glass. I. Kodama. 1,561,730; Nov. 17.
Drums and the like, Tuning means for. W. F. Ludwig and R. C. Danly. 1,561,789; Nov. 17.
Drying apparatus. H. S. Wood. 1,561,896; Nov. 17.
Drying materials, Apparatus for. G. Grindrod. 1,562,229; Nov. 17.
Drying rack, Clothes-. P. J. Swanson. 1,561,575; Nov. 17.
Dump-body tail-gate, Mounting. A. A. Juelfs. 1,561,981; Nov. 17.
Duplicator. C. A. Elkins. 1,562,314; Nov. 17.
Dust collector. F. A. Lundquist. 1,562,352; Nov. 17.
Dyestuffs, Indigoid. B. Mayer and J. Würgler. 1,561,560; Nov. 17.
Eductor. G. B. Raymond. 1,561,744; Nov. 17.
Electric-arc furnace. F. Kostka. 1,561,731; Nov. 17.
Electric circuits, Coin-control mechanism for. A. W. Harrison and F. O. Chaffee. 1,562,421; Nov. 17.
Electric furnace. J. Sechowski. 1,562,261; Nov. 17.
Electric-furnace control. R. Carlstedt. 1,562,204; Nov. 17.
Electric switch. J. F. Eyraud. 1,561,640; Nov. 17.
Electric switch. C. Norton. 1,562,183; Nov. 17.
Electric switch. W. G. Williams. 1,562,020; Nov. 17.
Electrical apparatus. F. F. Brand. 1,562,143; Nov. 17.
Electrical connecter. A. C. Thompson. 1,561,495; Nov. 17.
Electrical connecter device. W. D. Steele and R. B. Benjamin. 1,562,379; Nov. 17.
Electrical contact surfaces, Tool for cleaning. L. E. Whitlock. 1,561,496; Nov. 17.
Electrodes, Coating. J. E. Harris. 1,562,164; Nov. 17.
Electrodes, Preparing. F. Bahr. 1,562,277; Nov. 17.
Electrolytic cell. W. Hoopes. 1,562,090; Nov. 17.
Electromagnetic device. W. O. Beck. 1,562,200; Nov. 17.
Electron-discharge device. W. G. Houskeeper. 1,562,172; Nov. 17.
Electron-discharge device. F. E. Ward. 1,562,396; Nov. 17.
Electron-discharge device. J. R. Wilson. 1,562,403; Nov. 17.
Electroplating apparatus. J. M. Gauss. 1,561,602; Nov. 17.
Elevator car and shaft doors, Operating. C. Norton. 1,562,184; Nov. 17.
Elevator construction. T. C. Batchelor and C. T. Latch. 1,562,281; Nov. 17.
Elevator-door-operating mechanism. W. W. Weeks. 1,561,810; Nov. 17.
Elevators, Grain cleaner and dust separator for. R. L. Dowdall. 1,561,777; Nov. 17.
Elevators, Safety device for. N. L. Monroe. 1,562,117; Nov. 17.
Embossing and printing machine. G. W. Heene. 1,561,607; Nov. 17.
Emery wheel. D. F. McGovern. 1,561,555; Nov. 17.
Engine: *See*—
Gas engine. Oil engine.
Internal-combustion engine. Rotary engine.
Engine starter. V. Bendix. 1,561,683; Nov. 17.
Engine starter. R. Chilton. 1,561,506; Nov. 17.
Engines, Apparatus for feeding fuel in injection. R. Miller. 1,561,738; Nov. 17.
Engines, Governor controller for internal-combustion. A. O. Carpenter. 1,561,773; Nov. 17.
Engines, Head and valve construction for internal-combustion. G. D. Lanham. 1,562,028; Nov. 17.
Engines, Humidifiers for internal-combustion. E. Carter. 1,561,693; Nov. 17.
Engines, Inlet control for reciprocating. K. Ligniez. 1,561,552; Nov. 17.
Engines on board ships, Device for the admission of air to internal-combustion. W. Hefti. 1,562,169; Nov. 17.
Engines, Radiator condenser for internal-combustion. A. C. Foulk. 1,562,219; Nov. 17.
Engines, Starting internal-combustion. D. J. Bedford. 1,561,820; Nov. 17.
Engines, Transmission for. A. L. Powell. 1,562,050; Nov. 17.
Engraving machine. G. Horner. 1,562,287; Nov. 17.
Envelope, Return. A. B. Ashby. 1,561,454; Nov. 17.
Excavating apparatus, Scoop attachment for power-operated. B. C. Clutter. 1,561,694; Nov. 17.
Expansion-joint strips, Retainer for. L. W. Rogers. 1,562,257; Nov. 17.
Eye protector. M. C. Whelan. 1,561,760; Nov. 17.
Fabric: *See*—
Abrasive fabric. Metal fabric.
Fastener combination. G. E. Prentice. 1,562,254; Nov. 17.
Fastener-supplying mechanism. E. R. Pope. 1,561,662; Nov. 17.
Feed bin, Portable. J. G. Rieff. 1,562,002; Nov. 17.
Feed mechanism, Adjustable. P. G. Oettel. 1,561,479; Nov. 17.
Feeder, Knockdown. B. P. Hanson. 1,561,644; Nov. 17.
Feeding device, Article-. F. M. Schuler. 1,562,063; Nov. 17.
Feeding device, Automatic stock and poultry. F. L. Moody. 1,561,656; Nov. 17.
Fencepost, All-metal. M. J. Donahoe, jr. 1,561,976; Nov. 17.
Ferryboats, Barrier for. J. H. Meyer. 1,561,787; Nov. 17.
Fertilizers and stock foods, Digesting materials for making. L. F. Schmelzer. 1,561,667; Nov. 17.
File holder. G. Decheff. 1,562,306; Nov. 17.
Filing drawer, Vertical. F. L. G. Straubel. 1,561,752; Nov. 17.
Films, Method and apparatus for developing. V. C. de Ybarrondo. 1,561,699; Nov. 17.
Films, Method of and apparatus for developing. E. J. Sweetland. 1,561,953; Nov. 17.
Finger ring. H. W. Peters. Des. 68,829; Nov. 17.
Fish, Machine for positioning and cutting. W. F. Butler. 1,562,289; Nov. 17.
Fishing tackle. C. Fredricks. 1,561,512; Nov. 17.
Fishline floats and the like, Producing. J. R. Towne. 1,561,808; Nov. 17.
Fixture, Lighting. I. Libson. 1,562,347; Nov. 17.
Flash light, Electric. C. Turner. 1,561,757; Nov. 17.
Floor covering. C. M. Taylor. 1,562,387; Nov. 17.
Floor covering and making same. C. M. Taylor. 1,562,382–6; Nov. 17.
Floors, Drip for porch. P. C. Leidich. 1,562,346; Nov. 17.
Flour bleaching, Chlorine-gas control for. W. Stein. 1,562,380; Nov. 17.
Flow indicators, Circuit controller for. W. T. Williams. 1,561,813; Nov. 17.
Flower holder. E. T. Beck. Des. 68,762; Nov. 17.
Flowerpot. H. M. Boehm. 1,561,824; Nov. 17.
Fluid-dispensing apparatus, Lock for. E. E. Eickmeyer. 1,561,839; Nov. 17.
Fluid mediums of high density, Producing. T. M. Chance. 1,561,909; Nov. 17.
Fluid-pressure motor. J. R. Oishei. 1,562,122; Nov. 17.
Flush-joint pipe. W. Sheldon. 1,562,372; Nov. 17.
Folding chair. C. Glantz. 1,562,226; Nov. 17.
Foods, Machine for treating. J. J. Barry. 1,562,280; Nov. 17.
Foot gear. A. Glowa. 1,561,516; Nov. 17.

Fords, Overhead transformation for. R. M. Roof. 1,561,666; Nov. 17.
Frame: *See*—
Bending and clamping frame. Hair-waving frame.
Stencil frame.
Hack-saw frame.
Frames, Device for tensioning materials on. A. Elbern. 1,562,153; Nov. 17.
Frog, Rerailing. H. D. Shively. 1,561,802; Nov. 17.
Fruit juices, Concentrating and drying. W. H. Dickerson. 1,562,309; Nov. 17.
Fuel apparatus, Pulverized-. V. Z. Caracristi and J. V. Santry. 1,562,411; Nov. 17.
Fuel burner, Liquid-. I. E. McCabe. 1,561,474; Nov. 17.
Fuel lighter. R. Menotti. 1,562,179; Nov. 17.
Fuel saver. R. T. Berry. 1,562,139; Nov. 17.
Furnace: *See*—
Electric furnace. Retort furnace.
Electric-arc furnace.
Furniture, Convertible. S. Guterman. 1,562,161; Nov. 17.
Furniture gimp. G. Runge. Des. 68,832; Nov. 17.
Fuse. N. E. Methlin. 1,561,878; Nov. 17.
Fuse, Point-detonating. H. M. Brayton. 1,561,687; Nov. 17.
Flying machines, Controlling mechanism for. R. E. Mitton. 1,561,792–3; Nov. 17.
Flytrap. E. D. Pepper. 1,561,661; Nov. 17.
Game. L. P. Bott, jr. 1,561,592; Nov. 17.
Game. R. Carlson. 1,562,290; Nov. 17.
Game. C. Gitchel. 1,562,322; Nov. 17.
Game. S. Stevenson. 1,562,008; Nov. 17.
Game apparatus. G. C. Kennedy. 1,561,609; Nov. 17.
Game apparatus. T. A. Killman. 1,562,025; Nov. 17.
Game, Baseball. P. M. Griffith. 1,561,716; Nov. 17.
Game board. E. W. Appelman. Des. 68,760; Nov. 17.
Game, Card. H. T. Cox. 1,562,149; Nov. 17.
Game device. W. J. Kennedy. 1,561,934; Nov. 17.
Game, Playing. J. P. Andrew. 1,562,197; Nov. 17.
Game trap. G. A. Barnard. 1,561,680; Nov. 17.
Garment. J. E. Johannesen. 1,561,545; Nov. 17.
Garment, Protective. H. Goldsmith. 1,561,712; Nov. 17.
Garter. C. B. Namiot. Des. 68,822; Nov. 17.
Gas burner. E. Green. 1,561,848; Nov. 17.
Gas engine. I. H. Spencer. 1,562,375; Nov. 17.
Gases, Apparatus for continuously measuring the combustible constituents of waste. M. Moeller. 1,562,243; Nov. 17.
Gate: *See*—
Ash gate. Railway gate.
Crossing gate. Sliding gate.
Gauge: *See*—
Pressure gauge.
Gear transmission, Chain. F. L. Morse. 1,561,944; Nov. 17.
Gears, Mounting for brake. S. J. Strid. 1,561,805; Nov. 17.
Generator. T. M. Offutt. 1,561,480; Nov. 17.
Generator attachment. U. T. Walker. 1,562,395; Nov. 17.
Glass: *See*—
Drinking glass. Silica glass.
Glass, Drawing and flattening sheet. W. L. Monro. 1,561,478; Nov. 17.
Glassware, Method and apparatus for glazing and polishing. A. B. Knight. 1,562,341; Nov. 17.
Glass-working burner. A. B. Knight. 1,562,342; Nov. 17.
Goggles. H. K. Fairall. 1,562,319; Nov. 17.
Goggles. G. L. Tully. 1,561,958; Nov. 17
Goggles, Nonfogging nonfrosting double-lens. G. P. Luckey. 1,562,350; Nov. 17.
Golf bag. J. H. Lawrence. 1,562,030; Nov. 17.
Golf club. T. J. Davis. 1,561,595; Nov. 17.
Golf, Pocket. C. T. Osterberg. 1,561,881; Nov. 17.
Golf positioning apparatus. H. A. Ungar. 1,561,960; Nov. 17.
Golf tee. J. F. Flaherty. 1,562,216; Nov. 17.
Grain shocker. C. R. Raney. 1,561,567; Nov. 17.
Grate, Adjustable. J. L. Hoult. 1,561,548; Nov. 17.
Grate, Furnace. L. J. Binder. 1,561,456; Nov. 17.
Grate, Furnace. L. J. Steele. E. F. Kent, and G. A. Madden. 1,561,620; Nov. 17.
Grinding and polishing apparatus. W. Taylor. 1,562,068; Nov. 17.
Grip. J. P. Ratigan. 1,562,053; Nov. 17.
Gun mounting, Machine-. E. Marazzi. 1,561,992; Nov. 17.
Guns and automatic small arms, Trigger mechanism of machine. L. Tucker. 1,561,756; Nov. 17.
Guns, Buffer mechanism for machine. W. T. Gorton. 1,561,713; Nov. 17.
Guns, Control mechanism for aircraft. A. L. Nelson. 1,562,424; Nov. 17.
Hack-saw frame. L. E. Peck. 1,561,660; Nov. 17.
Hair, Device for curling or undulating. P. E. Gaire. 1,561,514; Nov. 17.
Hair-waving frame. E. A. Purkey. 1,562,255; Nov. 17.
Half sole. C. H. Oakley. 1,562,040; Nov. 17.
Half sole, Hinged. H. P. Tselentis. 1,562,013; Nov. 17.
Hammer, Rotary pivoted. H. M. Plaisted. 1,562,048; Nov. 17.
Hand bag. M. Berkowitz. 1,562,408; Nov. 17.
Handling device, Material-. F. J. Larkin. 1,561,866; Nov. 17.
Hanger: *See*—
Pipe hanger.
Harrow. C. E. Gregg. 1,561,849; Nov. 17.
Harrow, Disk. A. V. Chapin. 1,562,079; Nov. 17.
Harvester, Beet. W. Hartenstein. 1,562,167; Nov. 17.
Harvesting machine, Corn-. G. J. Soukup. 1,562,264; Nov. 17.
Hat. C. E. Bingham. Des. 68,763; Nov. 17.
Hatch cover. J. La France. 1,562,344; Nov. 17.
Hay conveyer. C. Thunemann. 1,561,807; Nov. 17.
Headlight lens. G. Matthyssen and C. Ohlson. 1,562,111; Nov. 17.
Heater: *See*—
Curling-iron heater. Radiator heater.
Hot-air heater. Water heater.
Heater and lamp stand, Combined electric. D. J. Gessler. Des. 68,778; Nov. 17.
Heater and vaporizer, Electric. L. E. Aske. 1,561,814; Nov. 17.
Heating element, Electric. O. C. Trautman. 1,561,578; Nov. 17.
Heddle-frame movement. J. D. Watson. 1,562,268; Nov. 17.
Heater or vaporizer, Electric. L. E. Aske. 1,561,815; Nov. 17.
Heater plate, Refractory. C. W. Williams. 1,561,893; Nov. 17.
Heel and cushion plug therefor, Shoe. H. S. Willis. 1,561,628; Nov. 17.
Heel, Shoe. J. R. Gammeter and H. Dewhirst. 1,561,711; Nov. 17.
Hide-working machines, Spreading roll for. D. E. Tenney. 1,562,418; Nov. 17.
Highway marker, Pneumatic. P. K. Lindsay. 1,561,553; Nov. 17.
Hoe, Power. G. Brannan. 1,561,457; Nov. 17.
Hog carrier. A. Karpenko. 1,561,548; Nov. 17.
Hog's-head cutter. A. Karpenko. 1,561,547; Nov. 17.
Horse-collar pad. G. P. Stegner. 1,562,129; Nov. 17.
Hose-turning device. E. G. Leach and C. R. Waddle. 1,562,345; Nov. 17.
Hot-air heater. F. S. Wier. 1,561,497; Nov. 17.
Housing and oiler, Combination. H. A. Benedict and E. M. Moller. 1,561,528; Nov. 17.
Hydrant. T. Gannestad. 1,562,223; Nov. 17.
Hydrant. C. W. Menige. 1,561,736; Nov. 17.
Hydrocarbon motor. J. G. Vincent. 1,562,392; Nov. 17.
Hydrocarbons, Purifying. A. Greenspan. 1,562,425; Nov. 17.
Ice accumulations, Loosening. H. T. Barnes. 1,562,187; Nov. 17.
Ice-cream-dispensing machine. A. B. Patton. 1,562,250; Nov. 17.
Illuminated sign. R. R. Wiley. 1,561,626; Nov. 17.
Impressions, Machine for making. G. Peter. 1,561,616; Nov. 17.
Incinerator. C. T. Stohr. 1,561,804; Nov. 17.
Incinerators, Charging hopper and cover for. G. F. Lenk. 1,561,733; Nov. 17.
Incinerators, Forced-draft system for. G. F. Lenk. 1,561,732; Nov. 17.
Incinerators, Intensifying and combustion chamber for. G. F. Lenk. 1,561,734; Nov. 17.
Indented screen, Perforated. H. S. Woodward. 1,561,632; Nov. 17.
Indicator: *See*—
Direction indicator. Street indicator.
Route indicator. Temperature indicator.
Inductance coil. P. J. Given. 1,561,782; Nov. 17.
Insect trap. N. Corsi and A. Costantino. 1,561,832; Nov. 17.
Insect trap. N. Nielsen. 1,562,248; Nov. 17.
Instruction outfit for children. R. H. Garman. 1,562,225; Nov. 17.
Insulated container, Vacuum-. N. W. Ballew. 1,561,769; Nov. 17.
Interfolding machine. W. H. Cannard and G. A. Shaffer. 1,561,908; Nov. 17.
Internal-combustion engine. F. Mädler. 1,562,108; Nov. 17.
Internal-combustion engine, Rotary. A. B. Cundy. 1,562,299; Nov. 17.
Internal-combustion engine, Working process for. F. Mädler. 1,562,106; Nov. 17.
Iron: *See*—
Soldering iron.
Jack: *See*—
Automobile jack. Power jack.
Automobile power jack. Vehicle jack.
Lifting jack.
Jack. J. L. Harper. 1,561,719; Nov. 17.
Jack. W. N. Knowlton. 1,561,862; Nov. 17.
Jar or similar container. I. A. Veith and R. F. Erental. Des. 68,837; Nov. 17.
Jet condenser. H. F. Schmidt and D. W. R. Morgan. 1,562,259; Nov. 17.
Joint: *See*—
Rail joint. Universal joint.
Journal bearing. B. L. Stitzinger. 1,562,130; Nov. 17.
Journal box. E. L. Schellens and J. S. Conn, jr. 1,562,060; Nov. 17.
Juice extractor or similar article, Fruit-. W. M. Bristol. Des. 68,764; Nov. 17.
Keys and the like, Case for. W. R. Buxton. 1,561,906; Nov. 17.
Kilns, Heating system for. J. B. Agnew and A. A. Oeffner. 1,562,135; Nov. 17.





Knapsack, shield, and gun rest, Combination. E. Nizamis. 1,561,564; Nov. 17.
Labeling machine. E. F. Foster. 1,562,085; Nov. 17.
Lace. P. Groebli. Des. 68,780–802; Nov. 17.
Lace. S. H. Page. Des. 68,826; Nov. 17.
Ladle, Torch-supported. J. Peterson. 1,562,047; Nov. 17.
Laminated structure and making same, Composite. H. N. Atwood. 1,561,763; Nov. 17.
Lamp adapter, Ball-. H. Abrams. Des. 68,752–3; Nov. 17.
Lamp bracket. W. Berk. 1,562,407; Nov. 17.
Lamp, Carbide. C. K. Kovalchik. 1,562,026; Nov. 17.
Lamp casing, Signal-. T. S. Catlin. Des. 68,766; Nov. 17.
Lamp fitting, Electric-light. W. E. Price. 1,562,052; Nov. 17.
Lamp support. T. F. Uhlemann. 1,562,014; Nov. 17.
Lamp, Traffic signal. B. G. La Bar. Des. 68,818; Nov. 17.
Lantern, Electric. F. A. Frerichs. Des. 68,777; Nov. 17.
Last. W. C. Stewart. 1,561,669; Nov. 17.
Lasts, Assembling. E. O. Krentler. 1,562,099; Nov. 17.
Latch for vehicle doors. R. V. Kaimer. 1,562,096; Nov. 17.
Lath, Machine for forming sheet-metal. J. R. McMahon. 1,561,556; Nov. 17.
Lathe. A. C. Huguet. 1,562,173; Nov. 17.
Lawn-edging attachment. F. Bishop. 1,561,823; Nov. 17.
Lawn trimmer. P. W. Johnson. 1,562,174; Nov. 17.
Leather or similar article. F. A. Kolb. Des. 68,813; Nov. 17.
Leg and foot developer. J. J. Cooper. 1,562,294; Nov. 17.
Lenses, Manufacturing bifocal. H. J. Stead. 1,562,378; Nov. 17.
Locket. J. M. Harvey. 1,562,168; Nov. 17.
Lifting jack. S. J. Vesely. 1,562,015; Nov. 17.
Light: *See*—
Automobile light. Portable light.
Curtain light.
Lighting fixture. S. Czapek. Des. 68,768; Nov. 17
Lighting fixture, Arm for. I. Krans. Des. 68,814; Nov. 17.
Lighting fixture, Bracket element of an electric-. I. Krans. Des. 68,815–16; Nov. 17.
Lighting fixture, Electric-. I. Krans. Des. 68,817; Nov. 17.
Lighting fixture, Electric-. T. J. Nelson. Des. 68,824–5; Nov. 17.
Lighting fixtures, Backplate for. H. Aglow. Des. 68,756; Nov. 17.
Lighting fixtures, Chandelier body for. F. A. Frerichs. Des. 68,776; Nov. 17.
Lighting fixtures, Pendant for. H. Abrams. Des. 68,754–5; Nov. 17.
Lighting fixtures, Swivel joint for. T. C. Christ. Des. 68,767; Nov. 17.
Liquid-dispensing apparatus. G. W. MacKenzie. 1,561,655; Nov. 17.
Liquids, Apparatus for concentrating. F. L. Antisell. 1,561,898; Nov. 17.
Liquids by heat, Treating. G. Bojner. 1,561,636; Nov. 17.
Liquids, Nonaerating apparatus for centrifugally purifying. S. H. Hall. 1,561,784; Nov. 17.
Line sampler. R. W. Newton. 1,562,121; Nov. 17.
Lithographic plate and making the same. W. Grass. 1,562,324; Nov. 17.
Lithographic printing. W. Grass. 1,562,323; Nov. 17.
Load-limiting device. F. A. Hayes. 1,561,537; Nov. 17.
Lock: *See*—
Clutch-pedal lock. Steering-wheel lock.
Lock. E. M. Benham. 1,561,901; Nov. 17.
Lock. F. E. Best. 1,561,771; Nov. 17.
Lock. G. F. Mayer. 1,562,357; Nov. 17.
Locking and retaining opening closures in an open position, Automatically. C. H. Hays. 1,561,606; Nov. 17.
Locking nut. M. Morrison, T. D. Vass, and A. C. Fisher. 1,561,880; Nov. 17.
Locomotive construction. F. A. Benolken. 1,562,284; Nov. 17.
Log turner. U. J. Raymond. 1,562,256; Nov. 17.
Loom, Cross-weaving. J. Wilkinson. 1,561,627; Nov. 17.
Looms, Automatically-threading shuttle for. A. S. Johnson. 1,561,980; Nov. 17.
Looms, Gauge for. E. Barber. 1,561,817; Nov. 17.
Looms, Picker-stick check for. S. S. Jackson. 1,562,422; Nov. 17.
Lubricant-carrier material, Preparing. A. E. Becker. 1,562,138; Nov. 17.
Lug stones, Mold for making. R. F. Lee. 1,561,550; Nov. 17.
Luggage carrier, Collapsible. G. Burandt. 1,562,410; Nov. 17.
Magnetic fixture. F. B. Little. 1,561,554; Nov. 17.
Mask, Respiratory. J. M. Dean and A. N. Kittrelle. 1,562,302; Nov. 17.
Measured quantities of material from a mass in bulk, Distributing. G. L. Moore. 1,562,037; Nov. 17.
Measuring and filling device. H. W. Lowe. 1,561,939; Nov. 17.
Mechanical movement. J. H. Feagan. 1,561,708; Nov. 17.
Mechanical movement. J. G. Sherman. 1,561,748; Nov. 17.
Mechanical relay. A. Barr and W. Stroud. 1,562,279; Nov. 17.
Metal and its manufacture. A. Pacz. 1,562,041; Nov. 17.
Metal and making the same, Compound. C. P. Byrnes. 1,562,145; Nov. 17.
Metal and the like, Tool for guiding and shaping. E. G. Hones. 1,561,857; Nov. 17.
Metal fabric, Expanded-. C. S. Reno. 1,562,191; Nov. 17.
Metal founding. A. M. Henry. 1,561,924; Nov. 17.
Metal wheel. C. Schenck and L. Fine. 1,562,003; Nov. 17.
Metallic compositions, Forming. H. Boving. 1,562,202; Nov. 17.
Metals, Apparatus for refining. H. Harris. Re16,213; Nov. 17.
Microscope. R. L. Smith. 1,561,751; Nov. 17.
Mining drill. H. H. Des Roches. 1,561,975; Nov. 17.
Mining machine, Longwall-. E. O'Toole. 1,561,481; Nov. 17.
Mold: *See*—
Concrete-block mold. Sand mold.
Pottery mold.
Mold and scoop, Combined. J. Manos. 1,561,558; Nov. 17.
Molding cores, Machine for producing. K. G. V. Pettersson. 1,561,882; Nov. 17.
Molding machine. J. R. Wood. 1,561,500; Nov. 17.
Molding machines, Means for supporting the molding box or pattern plate of foundry. J. Cash. 1,561,637; Nov. 17.
Molybdenum from its ore, Separating. W. H. Rideout. 1,562,125; Nov. 17.
Motor: *See*—
Current motor. Hydrocarbon motor.
Fluid-pressure motor. Valve motor.
Motor. F. A. Jimerson. 1,561,722; Nov. 17.
Motor and generator, Electro. J. C. Sommer. 1,562,263; Nov. 17.
Mower, Power. J. A. Roseman. 1,561,569; Nov. 17.
Muffler construction. T. S. Kemble. 1,561,859; Nov. 17.
Mulches, Machine for laying. N. B. McGuire and A. Guild. 1,562,353; Nov. 17.
Music rack, Automatically-opening. P. Vogt. 1,562,393; Nov. 17.
Musical instruments, Mechanism for regulating the expression in apparatus for playing. O. H. Anderson. 1,562,023; Nov. 17.
Musical instruments, Mechanism for regulating the expression in apparatus for playing. S. R. Harcourt and O. H. Anderson. 1,562,163; Nov. 17.
Musical instruments, Pitch-lowering device for. M. B. Howard. 1,562,091; Nov. 17.
Musical instruments, Tuning peg for stringed. B. T. Purdy. 1,561,566; Nov. 17.
Nail, Cement-stucco anchor. J. A. Graham. 1,561,518; Nov. 17.
Name plate, Revolving. W. C. Connell. 1,561,830; Nov. 17.
Necktie. S. Turiga. 1,561,959; Nov. 17.
Nest, Trap. W. H. Edwards. 1,561,778; Nov. 17.
Nickel-plated article. F. M. Becket. 1,561,900; Nov. 17.
Nitrocellulose, Manufacturing artificial silk and other products from. E. Bindschedler. 1,562,076; Nov. 17.
Novelty. E. G. Patterson. 1,561,994; Nov. 17.
Nozzle. J. V. Schaefer. 1,562,194; Nov. 17.
Nozzle, Combined gas and oil. G. Baker. 1,561,966; Nov. 17.
Nut, Lock. E. Bisbing. 1,562,141; Nov. 17.
Nut, Self-lubricating. A. I. Woodring and W. G. Lamb. 1,561,679; Nov. 17.
Oil, Apparatus for distilling. G. W. Wallace. 1,561,758; Nov. 17.
Oil burner and generator. A. W. Johnson. 1,561,930; Nov. 17.
Oil-burning apparatus. A. H. Ballard. 1,562,278; Nov. 17.
Oil engine. C. L. Cummins. 1,561,913; Nov. 17.
Oil presses, Strainer for. H. Zander. 1,562,134; Nov. 17.
Oil, Treating. P. W. Prutzman and C. J. von Briba. 1,562,001; Nov. 17.
Oil wells, Pump-rod ratchet for. E. E. Lynch. 1,561,873; Nov. 17.
Oils, Extracting benzols from heavy. E. A. Barbet. 1,561,899; Nov. 17.
Oils, Purifying mineral. J. F. Faber, H. C. Hanna, and M. L. Chappell. 1,562,156; Nov. 17.
Oils, Treating. P. W. Prutzman. 1,561,999; Nov. 17.
Optical device. F. Fulgora. 1,561,920; Nov. 17.
Optical instrument. A. Perrin. 1,562,046; Nov. 17.
Optical instrument and lens. J. J. Kennebeck. 1,561,860; Nov. 17.
Optical pyrometer. F. E. Bash. 1,561,583; Nov. 17.
Organic compounds by reactions involving replacement of substituent atoms or groups with liquid reagents, Manufacture of. W. V. Shannan. 1,561,491; Nov. 17.
Ornamental articles, Making. A. M. Holstein. 1,562,170; Nov. 17.
Orthopedia, Apparatus for practicing. M. E. Todd. 1,562,266; Nov. 17.
Orthopedic apparatus. W. L. Denton. 1,562,150; Nov. 17.
Oven, Vacuum-tube-evacuating. B. J. Egert and C. J. De Coster. 1,562,209; Nov. 17.

Packer. A. M. Bates. 1,561,585; Nov. 17.
Packing for elastic-fluid turbines and the like, Shaft. J. Wilkinson. 1,562,019; Nov. 17.
Packing, Mold for metallic. W. F. Lohman. 1,562,032; Nov. 17.
Pad: *See*—
Horse-collar pad.
Pail, Folding minnow. L. Linguist. 1,561,653; Nov. 17.
Pail holder, Milk-. W. D. Chamberland. 1,561,828; Nov. 17.
Paperboard, Composite moistureproof. O. Kress. 1,561,471; Nov. 17.
Paper hat rings, Machine for forming. B. Schiffenhaus. 1,562,368; Nov. 17.
Paper, Waterproof and greaseproof. L. Kirschbraun. 1,561,728; Nov. 17.
Parachute. J. M. Russell. 1,562,258; Nov. 17.
Pattern chart. M. Rohr. 1,561,948; Nov. 17.
Paving block and the like, Roadway. G. O. Case. 1,562,291; Nov. 17.
Pen, Fountain. A. Bienenstein. 1,561,590; Nov. 17.
Pen, Fountain. J. C. Wahl. 1,562,267; Nov. 17.
Pencil. M. D. Brody. 1,561,827; Nov. 17.
Pencil. A. C. Kerley. 1,561,725; Nov. 17.
Pencil holder. H. D. Coleman. 1,562,292; Nov. 17.
Penclip, Fountain-. C. Hardy. 1,562,326; Nov. 17.
Petroleum, Apparatus for the fractionation of. H. P. Straus. 1,562,009; Nov. 17.
Petroleum oil, Cracking. G. Egloff. 1,561,779; Nov. 17.
Pharmaceutical compound. H. Hahl. 1,561,535; Nov. 17.
Piano, Player. O. H. Carlson. 1,561,772; Nov. 17.
Picture apparatus, Motion-. A. H. Beck. 1,562,283; Nov. 17.
Picture film, Motion-. A. N. Merle. 1,561,941; Nov. 17.
Pictures in colors, Producing motion. J. Shaw. 1,562,066; Nov. 17.
Pig lead, Holder for carrying. H. Abrams. 1,562,196; Nov. 17.
Pinion or pulley coupling. E. W. Clark. 1,561,507; Nov. 17.
Pipe: *See*—
Flush-joint pipe. Tobacco-smoking pipe.
Pipe-mold coatings. D. H. Meloche. 1,561,561; Nov. 17.
Pipe union. I. Braczik. 1,562,142; Nov. 17.
Pipes, Heating attachment for stove and furnace. B. B. Choinski. 1,561,461; Nov. 17.
Piston ring. S. A. Lukaszewicz. 1,562,083; Nov. 17.
Pit bearings, Stuffing box for. O. W. Dunham. 1,561,838; Nov. 17.
Placket facing. S. M. Moses. 1,561,657; Nov. 17.
Plane, Adjustable tongue-and-groove. J. Maciag. 1,561,475; Nov. 17.
Plaster board. C. R. Birdsey. 1,561,685; Nov. 17.
Plaster-lath construction. J. Waller. 1,562,427; Nov. 17.
Plaster machine. A. M. Bates. 1,561,584; Nov. 17.
Plastic molding. R. W. Seabury. 1,561,525; Nov. 17.
Plate or analogous article. G. F. Parker. Des. 68,827; Nov. 17.
Plate or similar article. W. G. Jackson. Des. 68,810; Nov. 17.
Plate or similar article, Metal border strip for a. E. T. Beck. Des. 68,761; Nov. 17.
Plier wrench. A. Cruickshank. 1,561,833; Nov. 17.
Plinth plate. E. L. Drinkwater. 1,562,082; Nov. 17.
Plowpoints, Repair tip for steel. H. Kasai. 1,561,648; Nov. 17.
Plow, Rotary disk. M. T. Skinner. 1,561,618; Nov. 17.
Plowing machine. J. F. Garcia. 1,561,978; Nov. 17.
Plug for use with gas, Wall. W. Smith. 1,561,950; Nov. 17.
Polishing and wiping implement. G. A. Newman. 1,562,415; Nov. 17.
Portable light. C. E. Woodville. 1,562,406; Nov. 17.
Post. L. W. La Bore. 1,562,343; Nov. 17.
Postage-meter machines and the like, Controller for. A. H. Pitney. 1,561,795; Nov. 17.
Pottery mold. M. L. Pascarello. 1,562,361; Nov. 17.
Power jack. S. Fine. 1,562,214; Nov. 17.
Press: *See*—
Clay press. Printing press.
Pressing and straining machine. H. Trust and F. M. Ashley. 1,562,390; Nov. 17.
Pressure gauge, Compound. A. M. Cahill. 1,561,458; Nov. 17.
Printing cylinders and the like, Guard for. H. Stuke. 1,562,010; Nov. 17.
Printing machines, Attachment for. A. Bessat and L. L. Lévens. 1,561,821; Nov. 17.
Printing-plate holder. E. Palmer. 1,561,615; Nov. 17.
Printing press, Rotary offset web-. B. J. J. Goulding and J. Shuttleworth. 1,561,517; Nov. 17.
Printing projector. T. F. Cheaney. 1,561,910; Nov. 17.
Printing telegraphy. G. S. Vernam. 1,561,526; Nov. 17.
Projectiles, Fuse for. L. E. Rémondy. 1,562,054; Nov. 17.
Pull shovel. P. Burke. 1,562,288; Nov. 17.
Pulverulent material and product, Treating. J. G. Coffin and A. W. Keen. 1,561,971; Nov. 17.
Pump-rod-handling device. F. W. Carlson. 1,562,148; Nov. 17.
Pumping apparatus. L. O. Arringdale. 1,562,069; Nov. 17.
Quenching device. O. C. Trautman. 1,561,577; Nov. 17.
Rack: *See*—
Drying rack. Rod rack.
Music rack.
Racking machine, Bread-. R. C. Rathwell. 1,561,664; Nov. 17.
Radiant back. O. and C. C. Taylor. 1,562,388; Nov. 17.
Radiator. E. S. Walker. 1,562,394; Nov. 17.
Radiator and boiler, Combined. L. G. Bostedo. 1,561,591; Nov. 17.
Radiator guard and fender brace, Combined. E. J. Negy. 1,562,245; Nov. 17.
Radiator heater. C. E. Fulton. 1,561,842; Nov. 17.
Radiator support. G. Bracale. 1,561,904; Nov. 17.
Radio apparatus. C. W. Denny, W. E. McLaughlin, and G. Helwig. 1,561,597; Nov. 17.
Radiocabinet. W. H. Dewar. Des. 68,770; Nov. 17.
Radiochandelier. A. O. Wilson. 1,562,402; Nov. 17.
Radiocompass, Tridimensional. C. C. Culver. 1,562,298; Nov. 17.
Radio dial turner. E. Ryder. 1,561,487; Nov. 17.
Radiodials, Panel for. P. L. Pendelton. Des. 68,828; Nov. 17.
Radiofrequency system. H. F. Elliott and J. A. Miller. 1,561,914; Nov. 17.
Radiophonograph cabinet. W. H. Dewar. Des. 68,769; Nov. 17.
Radio receiving system. C. W. Rice. 1,562,056; Nov. 17.
Radiotelegraphy. R. R. Beal. 1,561,819; Nov. 17.
Rail anchor. W. H. De Busk. 1,562,303–4; Nov. 17.
Rail clamp. L. E. Heptner. 1,561,855; Nov. 17.
Rail joint. K. E. Ferch. 1,562,084; Nov. 17.
Rail joint. G. Langford. 1,562,423; Nov. 17.
Rail-joint connections. H. R. Myers. 1,562,182; Nov. 17.
Railway and other vehicles, Method and device for braking. P. Hallott. 1,562,325; Nov. 17.
Railway clamp. W. J. Geeson. 1,561,515; Nov. 17.
Railway crossing. N. J. Campbell. 1,562,147; Nov. 17.
Railway crossings, Slab for. F. D. Coppock. 1,562,296; Nov. 17.
Railway gate. A. W. Bailey. 1,562,136; Nov. 17.
Railway structure, Pleasure-. J. A. Miller. 1,562,036; Nov. 17.
Railway tie. J. J. Hogan. 1,562,088; Nov. 17.
Railway-traffic-controlling system. G. C. Whitney. 1,561,962; Nov. 17.
Railways and tramways, Construction of. G. H. J. Maas. 1,561,537; Nov. 17.
Railways, Tower for suspended. L. A. Frye. 1,561,841; Nov. 17.
Rake and tedder, Combined. E. Mowry and N. E. Bunting. 1,561,562; Nov. 17.
Raking machine. A. Wolff. 1,562,405; Nov. 17.
Rat trap. G. Savard and M. E. St. Amour. 1,561,800; Nov. 17.
Receptacles, Attachment for test. P. Kier. 1,561,984; Nov. 17.
Recording instrument. A. Amsler. 1,562,273; Nov. 17.
Reel. E. K. Powers. 1,561,485; Nov. 17.
Reflectors, Attachment for. E. H. Powell and A. R. Homer. 1,562,186; Nov. 17.
Refractory composition. W. A. Farish. 1,561,641; Nov. 17.
Refrigerating apparatus. E. J. Copeland. 1,561,831; Nov. 17.
Refrigerator car. P. B. Camp. 1,562,078; Nov. 17.
Refrigerator hinge. A. J. Heyer. Des. 68,842; Nov. 17.
Refrigerator, Iceless. E. H. Scott. 1,561,572; Nov. 17.
Register: *See*—
Automatic register.
Registering system. E. H. Clark. 1,561,912; Nov. 17.
Registering system. J. W. Gooderham. 1,561,921; Nov. 17.
Regulator: *See*—
Window regulator.
Repeater systems, Regulating. D. F. Whiting. 1,561,892; Nov. 17.
Retort furnace. O. D. Lucas. 1,561,735; Nov. 17.
Ribbon-feed mechanism. O. A. Hokanson. 1,561,540; Nov. 17.
Ring: *See*—
Piston ring.
Ring and making same, Resilient. W. E. John. 1,561,608; Nov. 17.
Road graders, Wheel for. E. C. Gledhill. 1,561,643; Nov. 17.
Rod rack. C. B. Gipson. 1,561,844; Nov. 17.
Roller: *See*—
Shade roller. Window-shade roller.
Roller for sun visors, Spring. A. J. Lewis. 1,561,551; Nov. 17.
Rolling mills or for the mechanical transmission of power from electric motors, Driving arrangement for. A. Boas. 1,561,529; Nov. 17.
Rolls, Device for cleansing the surface of. J. A. Frossard. 1,561,513; Nov. 17.
Roof, Adjustable. C. Hoard. 1,562,234; Nov. 17.
Rope-deflecting device. O. M. Carse. 1,561,459; Nov. 17.
Rotary engine. L. I. Rasmussen. 1,561,946; Nov. 17.
Route indicator. F. R. Barbour. 1,561,818; Nov. 17.
Rubber, Accelerator for the vulcanization of. A Cambron. 1,562,146; Nov. 17.





Rubber and the products thereof, Treating. O. H. Smith. 1,562,262; Nov. 17.
Rubber compounds, Splicing uncured. E. B. A. G. Meyer. 1,561,942; Nov. 17.
Rubber or other plastic material, Machine for treating. D. R. Bowen and C. F. Schnuck. 1,561,903; Nov. 17.
Rule, Foot. G. F. Bill. 1,561,822; Nov. 17.
Sadiron, Electrically-heated. H. Gansert, jr. 1,562,224; Nov. 17.
Safe. W. C. Macfadden. 1,561,874; Nov. 17.
Safe construction. G. M. Goldsmith and C. Bartels. 1,561,783; Nov. 17.
Safe construction. G. M. Goldsmith and C. Bartels. 1,561,845; Nov. 17.
Safes, Attachment for. W. C. Macfadden. 1,561,875; Nov. 17.
Safety box. P. Michell. 1,562,114; Nov. 17.
Safety C-link. O. C. Staples. 1,561,952; Nov. 17.
Sand mold. T. A. Hughes. 1,561,720; Nov. 17.
Sandpapering and polishing machine, Hand. V. G. Pringle. 1,561,998; Nov. 17.
Saw-filing machine. G. Decheff. 1,562,305; Nov. 17.
Saw machine and guard therefor, Oscillatory. A. N. Miller. 1,561,477; Nov. 17.
Sawmills, Setworks for. C. H. Knight. 1,561,649; Nov. 17.
Saxaphones, Mouthpiece for. J. J. Neumann. 1,562,038; Nov. 17.
Scale beam and shelf lever or pendulum, Adjustable connecter between a. G. W. Britton. 1,561,688; Nov. 17.
Scale, Weighing. F. Peuker. 1,561,997; Nov. 17.
Screen: *See*—
Indented screen. Window screen.
Screens, Cleaner for sifting. C. R. Dimm. 1,562,311; Nov. 17.
Screw blanks, rivets, and similar headed articles, Apparatus for making in the cold. J. Kuhne. 1,561,863; Nov. 17.
Screw-power device, Compound-. H. R. Bremer. 1,561,826; Nov. 17.
Seal, Post and cover. W. E. Gossling. 1,562,159; Nov. 17.
Sealing an aperture and the seal therefor, Permanently. R. M. Lovejoy. 1,561,872; Nov. 17.
Searchlight, Vehicle. F. G. Whittington. 1,561,625; Nov. 17.
Seat and table, Combined. A. W. Eichman. Des. 68,772; Nov. 17.
Sector switch. J. B. Crabkow. 1,561,969; Nov. 17.
Seed separator, Grass-. J. F. Ard. 1,562,274; Nov. 17.
Selecting system. P. M. Rainey. 1,562,188; Nov. 17.
Self and ever set trap. C. M. Reed. 1,562,365; Nov. 17.
Selvage-loop retainer. J. A. Henault. 1,562,232; Nov. 17.
Separator: *See*—
Seed separator. Tar separator.
Separator spout, Milk and cream. P. Cover; 1,562,297; Nov. 17.
Separators, Treatment of wood. C. C. Carpenter. 1,561,774; Nov. 17.
Sewing machine, Bead-. J. A. Groebli. 1,561,605; Nov. 17.
Shade guide, Window-. C. E. Rowe. 1,562,192; Nov. 17.
Shade holder, Adjustable. J. S. Beeneck. 1,561,634; Nov. 17.
Shade roller. F. B. Duncan. 1,562,313; Nov. 17.
Shade-roller and curtain-pole support, Combined. M. Maciejko. 1,561,990; Nov. 17.
Shaft casing, Dustproof. A. M. Bates. 1,561,589; Nov. 17.
Sharpener, Knife. H. L. Wittstein. 1,561,895; Nov. 17.
Shearing machine, Reciprocating. H. Pels. 1,562,045; Nov. 17.
Shears, Strip-straightening attachment for rotary. H. C. Smith. 1,561,803; Nov. 17.
Sheet doubler. W. M. Crowther. 1,561,973; Nov. 17.
Sheet-interfolding machine. W. H. Cannard and G. A. Shaffer. 1,561,907; Nov. 17.
Sheet metal, Draw press for. G. W. Berry. 1,561,770; Nov. 17.
Sheet metal (herringbone type), Production of expanded. H. M. Gersman. 1,562,158; Nov. 17.
Sheet metal, Press for drawing. G. W. Berry. 1,561,902; Nov. 17.
Sheet metal, Press for drawing. G. W. Berry. 1,562,075; Nov. 17.
Sheet metal, Production of expanded. H. M. Gersman. 1,562,157; Nov. 17.
Shield with automatic windscreen, Rear. J. C. Kelsch. 1,562,337; Nov. 17.
Shingle fastener. E. J. Brady. 1,562,409; Nov. 17.
Shingle, Roofing. H. Abraham. 1,561,581; Nov. 17.
Shingle fastener. H. W. White. 1,561,677; Nov. 17.
Shock absorber. E. H. Smith. 1,561,493; Nov. 17.
Shoe polisher. M. A. Spielman. 1,562,377; Nov. 17.
Shoe-tree. J. E. Kaye. 1,561,982; Nov. 17.
Shoes and the like, Machine for turning. D. Baum. 1,562,282; Nov. 17.
Shoulder-strap retainer. J. J. Allison. 1,562,272; Nov. 17.
Shovel: *See*—
Pull shovel.
Sign, Advertising. W. G. Luther. 1,561,940; Nov. 17.
Signal: *See*—
Traffic signal.
Signaling device. J. Del Cozzo and A. W. Goble. 1,562,307; Nov. 17.
Signaling, Electrical. J. O. Mauborgne, L. Cohen, and G. Hill. 1,561,559; Nov. 17.
Signaling or indicating apparatus, Submarine sound. C. P. Ryan. 1,562,193; Nov. 17.
Signaling system. J. C. Field. 1,562,210; Nov. 17.
Silica glass. L. B. Miller. 1,562,115; Nov. 17.
Skate wheel. A. T. Rautenberg. 1,562,124; Nov. 17.
Skyrocket. E. H. Buckley. 1,561,690; Nov. 17.
Slide construction. G. E. Prentice. 1,562,253; Nov. 17.
Sliding gate. A. A. Meyer. 1,562,113; Nov. 17.
Smokers' appliances, Sanitary protector for the stems of. A. F. Frattinger. 1,562,321; Nov. 17.
Snap fastener. D. I. Reiter. 1,562,190; Nov. 17.
Snow compressor. B. A. Linderman. 1,561,472; Nov. 17.
Snowplow, Dual rotary. J. C. Chladek. 1,562,206; Nov. 17.
Snowplow, Rotary. H. C. F. Haage. 1,561,851; Nov. 17.
Snowplow, Scoop. R. J. Lavell. 1,561,651; Nov. 17.
Snow-removing mechanism. V. P. Miller. 1,562,180; Nov. 17.
Snubber. H. O. Nine and R. A. Knight. 1,561,563; Nov. 17.
Soldering iron. W. Burstyn. 1,561,968; Nov. 17.
Sound, Producing. E. F. Frost. 1,562,221; Nov. 17.
Sound-producing instrument. F. B. Little. 1,562,103; Nov. 17.
Sound-reproducing device, Electric. O. Bothe and L. Schiff. 1,561,825; Nov. 17.
Sprayer. M. Howard. 1,561,645; Nov. 17.
Spraying device. J. C. Hull. 1,561,646; Nov. 17.
Speed controller, Automatic. J. W. and H. C. Hill. 1,561,785; Nov. 17.
Speed-measuring device. C. R. Alden. 1,561,452; Nov. 17.
Speed-responsive device. W. Raymond. 1,561,886; Nov. 17.
Spigot, Lock-control. A. Del Giudice. 1,561,974; Nov. 17.
Spinning machines, Magnetic stop for. I. Fidler and R. C. Preston. 1,561,977; Nov. 17.
Spinning machines, Roll-weighting apparatus for cotton-. R. E. Haynes. 1,562,231; Nov. 17.
Spooling machines, Tension device for. E. S. Medeiros. 1,562,112; Nov. 17.
Spools or reels and apparatus useful to this end, Securing together the component parts of metallic. R. H. Bowen. 1,562,419; Nov. 17.
Spreader or plow, Road. A. L. Groenabaum. 1,561,604; Nov. 17.
Sprinkler system, Dry-pipe. A. J. Loepsinger. 1,562,104; Nov. 17.
Stamp-holding device. A. W. Schmidt. 1,562,369; Nov. 17.
Stamps, Type wheel for hand. C. Spielman. 1,562,376; Nov. 17.
Stand: *See*—
Motor-car stand.
Stand. H. G. Tiffany. 1,561,576; Nov. 17.
Stapling machine, Box-blank-. E. Craig. 1,562,412; Nov. 17.
Starting apparatus. J. Bijur. 1,561,685; Nov. 17.
Steam boiler. A. Soyer. 1,561,574; Nov. 17.
Steam-generating plant. J. E. Kennedy. 1,561,546; Nov. 17.
Steam-generating plant. E. C. Newcomb. 1,561,739; Nov. 17.
Steering-wheel lock. L. C. and F. S. Lazear. 1,562,177; Nov. 17.
Stencil frame. E. E. Gray. 1,561,534; Nov. 17.
Stencil sheet. J. D. Grange. 1,562,228; Nov. 17.
Stencil sheet. R. Lant. 1,561,865; Nov. 17.
Step tread. F. H. Stanwood. 1,561,668; Nov. 17.
Sterotype printing plates, Apparatus for casting curved. B. J. J. Goulding. 1,561,846; Nov. 17.
Stock-disinfecting cover. V. E. Eriandson. 1,562,318; Nov. 17.
Stone or similar article, Cut. S. Heller. Des. 68,803–6; Nov. 17.
Stone, Preservation of. A. P. Laurie. 1,561,988; Nov. 17.
Stool, Collapsible. G. W. Fischer. 1,562,215; Nov. 17.
Stove. H. W. Strong. 1,561,672; Nov. 17.
Stove. C. M. Whitman. 1,562,398; Nov. 17.
Stove, Camp. W. C. Lindemann. 1,561,610; Nov. 17.
Stoves, Water back for gas. J. G. Scott. 1,562,065; Nov. 17.
Strand-working machine. H. G. Hoornbeek. 1,562,171; Nov. 17.
Street indicator. J. S. Paxton. 1,562,185; Nov. 17.
Strip or banding for decorative purposes. H. Negbaur. Des. 68,823; Nov. 17.
Stripping device. F. F. Jamieson. 1,562,331; Nov. 17.
Suction burner with regulation of oil by variation of level and of suction force. J. Aubé. 1,561,527; Nov. 17.
Sugar from beets, Extracting. I. De Vecchis. 1,562,151; Nov. 17.
Suitcase, Wardrobe. H. J. Schuck. 1,562,417; Nov. 17.

Sulphur-containing article. R. F. Bacon, W. H. Kobbé, and P. H. Bascom. 1,561,767; Nov. 17.
Sulphur from grease, Removing free. H. Christison and C. L. Nutting. 1,561,911; Nov. 17.
Supervisory system. J. C. Field. 1,562,211; Nov. 17.
Surgical instrument. S. Hrankowsky. 1,561,927; Nov. 17.
Swab. B. P. Hoffman and W. G. Bisbee. 1,562,235; Nov. 17.
Swimming cushion. G. Ernst. 1,561,916; Nov. 17.
Switch: *See*—
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Sector switch.
Switch mechanism, Electric. A. H. Nero. 1,562,247; Nov. 17.
Switch throw. D. Osburn. 1,562,359; Nov. 17.
Swivel. E. L. Smith. 1,561,750; Nov. 17.
Syringe. K. Küppers. 1,561,986; Nov. 17.
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Vehicle tank.
Tank structure and lug therefor. W. W. Ford. 1,562,218; Nov. 17.
Tanks, Indicating device for fluid. L. de Forest. 1,561,596; Nov. 17.
Tap, Liquid and like. A. Pillon and E. Ravas. 1,561,883; Nov. 17.
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Telegraph circuits. S. I. Cory. 1,561,531; Nov. 17.
Telegraph repeater circuits. E. J. Conover. 1,561,530; Nov. 17.
Telegraph system. S. I. Cory. 1,561,532; Nov. 17.
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Telephone-testing system. G. Sandalls, jr. 1,561,524; Nov. 17.
Tent and bed, Combined. J. Rumpel. 1,561,797; Nov. 17.
Testing device. L. J. Stacy. 1,561,951; Nov. 17.
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Thermionic indicating means responsive to light variations. J. J. Dowling. 1,561,837; Nov. 17.
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Thermometer. A. T. Hespe. 1,561,925; Nov. 17.
Thermometer tube. A. T. Hespe. 1,561,926; Nov. 17.
Thickness gauge or feeler. F. O. Jaques, jr. 1,562,332; Nov. 17.
Thread-tensioning means. J. Barnes. 1,562,071–2; Nov. 17.
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Time switch, Coin-operated reciprocating. L. C. Eppler. 1,561,599; Nov. 17.
Timer. S. H. Schlupp. 1,561,490; Nov. 17.
Tire. E. H. Broadwell. Des. 68,765; Nov. 17.
Tire-chain connecter, Automobile. C. T. Allcutt and H. R. Van Deventer. 1,561,897; Nov. 17.
Tire-chain-hook pliers. R. R. Albright. 1,561,501; Nov. 17.
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Tire tread. W. S. Wolfe. Des. 68,840; Nov. 17.
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Tobacco-feeding machine. A. A. Heyman. 1,561,856; Nov. 17.
Tobacco pipes, Combined smoke conduit and absorbent holder for. A. E. Williams. 1,562,401; Nov. 17.
Tobacco-smoking pipe. J. Kercher. 1,562,175; Nov. 17.
Tombstones, monuments, etc., Record holding and displaying frame for. M. T. Harmon. 1,561,718; Nov. 17.
Tongs. E. C. Wilson. 1,561,963; Nov. 17.
Tool. W. F. Evans. 1,562,083; Nov. 17.
Tool, Combination. F. Nielsen. 1,561,993; Nov. 17.
Tool head, Adjustable. W. L. Smith. 1,562,374; Nov. 17.
Tool point, Nail-cuticle. C. A. Mash. 1,562,110; Nov. 17.
Toothbrush steriliser and holder, Individual. J. W. Lockery. 1,562,348; Nov. 17.
Top, Spinning. L. M. Jampel. Des. 68,811; Nov. 17.
Torpedoes, Regulating moving. F. Schmid. 1,562,127; Nov. 17.
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Toy, Animal. E. C. M. Edgar. 1,561,639; Nov. 17.
Toy bank. D. Hall. Des. 68,804; Nov. 17.
Toy boomerang. C. R. Gregory. 1,561,715; Nov. 17.
Toy dirigible. J. A. Humphrey. 1,561,721; Nov. 17.
Toy, Gravity. J. J. Mahan. 1,561,614; Nov. 17.
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Traffic signal. H. W. Wiley. 1,562,400; Nov. 17.
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Train-control systems, Ramp device for automatic. O. B. Kent and R. L. Miller. 1,562,097; Nov. 17.
Transformer, Oil-cooled. R. V. Bingay. 1,562,428; Nov. 17.
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Truck spring support, Railway-. E. L. Schellens and J. S. Coffin, jr. 1,562,059; Nov. 17.
Trucks, Dumping unit for motor. H. Pounder. Re. 16,212; Nov. 17.
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Trunk, Wardrobe steamer. J. A. Riordan. 1,561,486; Nov. 17.
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Thermometer tube.
Tubular holder. E. L. Pitts. 1,562,123; Nov. 17.
Turbine blower, Compound. E. D. Green. 1,561,847; Nov. 17.
Turbine, Elastic-fluid. J. W. Wheller. 1,561,811; Nov. 17.
Turbine, Steam. J. Y. Dahlstrand. 1,561,835; Nov. 17.
Tubes in an upright position, Supporting flexible. W. A. Seltmann. 1,562,005; Nov. 17.
Tympani and the like, Adjustable support for. W. F. Ludwig and R. C. Danly. 1,561,790; Nov. 17.
Type matrices, Production of. F. H. Pierpont. 1,561,484; Nov. 17.
Type-registering scale. G. W. Britton. 1,561,689; Nov. 17.
Typewriters, Tabulator mechanism for. O. A. Hokanson. 1,561,541; Nov. 17.
Typewriters, Tabulator mechanism for. O. A. Hokanson. 1,561,539; Nov. 17.
Typewriters, Word-counting attachment for. L. M. Llorens. 1,561,870; Nov. 17.
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Typewriting machine. L. C. Myers and G. F. Handley. 1,562,119; Nov. 17.
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Typewriting machines, Tabulating scale for. W. E. Lane. 1,561,864; Nov. 17.
Umbrellas, Identification name plate for. A. Pryibil, 2d. 1,561,565; Nov. 17.
Undertakers, Hand grip for. J. T. Scheuerell. 1,562,004; Nov. 17.
Universal joint. J. A. Traylor. 1,561,890; Nov. 17.
Universal joint. R. Chilton. 1,562,080; Nov. 17.
Vacuum cleaners, Dust bag for. C. M. Jaquith. 1,561,928; Nov. 17.
Vacuum-tube socket. J. W. Badu. 1,562,187; Nov. 17.
Valve. O. Larsen. 1,561,867; Nov. 17.
Valve. P. D. Schenck. 1,562,195; Nov. 17.
Valve, Automatic gas-control snap. J. Ellis. 1,561,915; Nov. 17.
Valve, Flush. T. R. Beggs. 1,561,504; Nov. 17.
Valve for fluids, Nonreturn. W. O. S. Greener and J. C. Tibbits. 1,561,714; Nov. 17.
Valve grinder. J. Kleinschmidt. 1,562,098; Nov. 17.
Valve grinder. J. E. Kessler. 1,561,935; Nov. 17.
Valve-guide cleaner. K. Hedeen. 1,562,327; Nov. 17.
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Valve-operating mechanism. H. W. How. 1,561,544; Nov. 17.
Vaporizing and auxiliary air-inlet device, Combined. W. J. Bliffert. 1,562,077; Nov. 17.
Vehicle brake. C. D. Stewart. 1,561,670; Nov. 17.
Vehicle, Child's. E. D. Feddersen. 1,561,918; Nov. 17.
Vehicle for service on roads and rails. F. H. Dutton. 1,561,510; Nov. 17.
Vehicle jack. S. J. Vesely. 1,562,016; Nov. 17.





Vehicle spring and shackle casing. A. B. Beltman. 1,561,682; Nov. 17.
Vehicle tank. A. Davis, jr., and A. L. Betts. 1,562,300; Nov. 17.
Vehicle wheel. E. M. Bunce. 1,562,287; Nov. 17.
Vehicle wheel, Pneumatic. H. N. Atwood. 1,561,764; Nov. 17.
Vehicle wheel, Pneumatic. H. N. Atwood. 1,561,766; Nov. 17.
Vehicle wheels, Apparatus for casting. H. W. and A. T. Keller. 1,561,983; Nov. 17.
Vehicle wheels, Manufacturing composite. H. N. Atwood. 1,561,765; Nov. 17.
Vehicles, Reflecting device for motor. C. W. Jones. 1,562,335; Nov. 17.
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Velocipede. E. Hoff. 1,561,538; Nov. 17.
Velocipede and wagon, Combination. W. E. Sanders. 1,562,367; Nov. 17.
Vending device. C. W. Stoyka. 1,562,381; Nov. 17.
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Violin bows, Guide for. L. Schmidt. 1,562,062; Nov. 17
Wagons, Detachable frame for service. W. V. Holley. 1,562,089; Nov. 17.
Walking beam. J. O. Keefover. 1,561,723; Nov. 17.
Wall construction. E. A. Heyer. 1,562,233; Nov. 17
Wall construction. F. B. Allen. 1,561,762; Nov. 17.
Washing apparatus, Hydraulic. T. L. Valerius. 1,561,809; Nov. 17.
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Watchcase. J. Fahys. Des. 68,774; Nov. 17.
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Water heater, Electric. A. M. Duffie. 1,561,706; Nov. 17.
Water heater, Electric. G. R. Conklin. 1,562,293; Nov. 17.
Water heaters, Water valve for instantaneous. J. H. Kolts. 1,561,938; Nov. 17.
Water, Supplying. J. E. Sargent. 1,561,798–9; Nov. 17.
Water-tube boiler. J. A. Ringley. 1,561,568; Nov. 17.
Wedding ring. F. P. Kinsley. Des. 68,812; Nov. 17.
Weevil collector. W. L. Hamlet. 1,561,536; Nov. 17.
Weighing apparatus, Indicating mechanism of. C. M. Sykes. 1,561,621; Nov. 17.
Welding, brazing, and tempering compound. G. V. Ireland. 1,562,330; Nov. 17.
Welding metals. H. Goldschmidt. 1,562,227; Nov. 17.
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Wheel clamp, Adjustable. J. H. Randall. 1,562,363; Nov. 17.
Winding machines, Builder mechanism for. J. S. Burnham. 1,561,691–2; Nov. 17.
Winding mechanism, Constant-torque. J. J. Powers. 1,562,051; Nov. 17.
Window-cleaning device. E. E. Shipley. 1,561,801; Nov. 17.
Window construction. J. Sylvan. 1,562,011; Nov. 17.
Window fixture. J. E. Fowler. 1,561,511; Nov. 17.
Window, Metal. A. Fien. 1,562,212–13; Nov. 17.
Window regulator. E. G. Simpson. 1,561,749; Nov. 17.
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Window-shade roller. C. E. McDonald. 1,562,105; Nov. 17.
Window screen. O. R. Kihm. 1,561,470; Nov. 17.
Window screen. C. S. Martin. 1,561,877; Nov. 17.
Windows, Apparatus for cleaning. H. von Littrow. 1,562,017; Nov. 17.
Windshield, Tonneau. H. Austin and H. Challenor. 1,561,816; Nov. 17.
Wire-drawing machine. J. C. Magee. 1,562,238; Nov. 17.
Wire holder, Guy-. W. J. Cashin. 1,561,460; Nov. 17.
Wire machine, Automatic. J. A. Civis and E. J. Govanus. 1,561,594; Nov. 17.
Wire, method and apparatus for heating. O. C. Trautman. 1,561,579; Nov. 17.
Wrapped articles to folders, Machine for applying. W. B. Ranney and A. E. Johnson. 1,561,743; Nov. 17.
Wrapping machine, Magazine-. D. S. Baird. 1,562,024; Nov. 17.
Wreath and making same, Artificial. S. Bertona. 1,561,455; Nov. 17.
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Wrench. E. T. Mitchell. 1,562,242; Nov. 17.
Wrench. E. B. White. 1,561,812; Nov. 17.
Wrench. A. H. Wolfe. 1,562,270; Nov. 17.
Wringer clamp. J. E. Anderson. 1,561,965; Nov. 17.




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# CLASSIFICATION OF PATENTS

## ISSUED NOVEMBER 17, 1925.

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51— 29: 1,562,098
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52— 3: 1,561,788
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55— 81: 1,562,079
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108: 1,562,167
56— 207: 1,562,274
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61— 1: 1,562,137
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96: 1,561,476
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118: 1,561,755
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73— 51: 1,561,817
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59: 1,561,944
61: 1,562,087
74— 106: 1,562,160
109: 1,562,033
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91— 44: 1,562,194
45: 1,561,553
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17: 1,561,777
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39: 1,561,856
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133— 38: 1,562,255
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82: 1,561,654
126— 29: 1,561,593
78: 1,561,775
150: 1,561,774
168: 1,562,159
137— 13: 1,561,736
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20: 1,562,131
66: 1,561,796
93: 1,561,504
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111: 1,561,950
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139— 53: 1,561,627
57: 1,562,268
165: 1,562,423
195: 1,562,232
223: 1,561,980
245: 1,561,666
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143— 46: 1,561,477
49: 1,561,679
103: 1,562,256
238: 1,562,127
256: 1,561,613
309: 1,562,170
144— 34: 1,561,660
148— 5: 1,561,475

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148— | 10: | 1,562,269 | 177— | 353: | 1,562,211 | 197— | 176: | 1,561,539 | 221— | 108: | 1,561,552 | 249— | 60: | 1,561,584 | 273— | 33: | 1,562,216 |
| | 15: | 1,561,579 | | 386: | 1,562,193 | | 194: | 1,561,864 | 222— | 7: | 1,562,207 | 250— | 2: | 1,561,837 | | 35: | 1,561,960 |
| | 19: | 1,561,463 | 178— | 2: | 1,561,531 | 198— | 128: | 1,561,866 | 223— | 20: | 1,562,345 | | 19: | 1,561,819 | | 70: | 1,561,867 |
| | 26: | 1,562,330 | | | 1,561,532 | 200— | 7: | 1,561,969 | 224— | 9: | 1,561,564 | | 20: | 1,561,569 | | 77: | 1,561,595 |
| 149— | 16: | 1,562,418 | | | 1,562,189 | | 24: | 1,561,490 | | 20: | 1,562,410 | | | 1,562,056 | | 97: | 1,561,881 |
| 150— | 1.5: | 1,562,030 | | 33: | 1,562,188 | | 33: | 1,561,599 | 226— | 48: | 1,561,586 | | 27: | 1,562,173 | | 99: | 1,561,716 |
| | 33: | 1,562,408 | | 71: | 1,561,526 | | | 1,562,020 | | | 1,561,588 | | | 1,562,209 | | 115: | 1,562,322 |
| | 40: | 1,561,906 | | | 1,561,530 | | 55: | 1,562,039 | | 55: | 1,561,587 | | | 1,562,396 | | 127: | 1,561,934 |
| | 49: | 1,561,509 | 179— | 18: | 1,561,710 | | 66: | 1,561,640 | | 76: | 1,561,868 | | | 1,562,403 | | 131: | 1,562,025 |
| 151— | 4: | 1,562,141 | | | 1,561,912 | | 80: | 1,561,758 | | 97: | 1,561,639 | | 36: | 1,561,914 | | 135: | 1,561,609 |
| | 10: | 1,561,980 | | | 1,561,921 | | 91: | 1,561,923 | 229— | 73: | 1,561,454 | | | 1,561,933 | | | 1,562,008 |
| 152— | 12: | 1,561,714 | | 37: | 1,561,936 | | 151: | 1,562,153 | 230— | 11: | 1,561,847 | 251— | 6: | 1,561,974 | | 140: | 1,561,592 |
| | 18: | 1,561,759 | | 58: | 1,561,598 | 201— | 62: | 1,562,007 | 232— | 4: | 1,561,502 | | 10: | 1,561,544 | | 144: | 1,562,197 |
| 153— | 25: | 1,561,556 | | 101: | 1,561,825 | 204— | 1: | 1,561,990 | 233— | 1: | 1,561,784 | | 103: | 1,562,195 | | 152: | 1,561,904 |
| | 28: | 1,561,973 | | 119: | 1,562,252 | | 5: | 1,561,692 | | | 1,562,297 | | 112: | 1,561,867 | | | 1,562,149 |
| | 67: | 1,561,468 | | 146: | 1,562,402 | | 19: | 1,562,090 | 234— | 1.5: | 1,562,273 | 252— | 2: | 1,561,660 | | | 1,562,290 |
| 154— | 2: | 1,561,608 | | 171: | 1,561,892 | | | 1,562,164 | 235— | 102: | 1,561,870 | 253— | 78: | 1,561,835 | 277— | 8: | 1,562,116 |
| | | 1,561,763 | | 175: | 1,561,524 | | 64: | 1,561,578 | 236— | 15: | 1,562,087 | | 136: | 1,561,747 | 279— | 1: | 1,561,843 |
| | | 1,561,765 | 180— | 22: | 1,562,265 | | | 1,561,731 | | 17: | 1,562,181 | 254— | 29: | 1,562,148 | 280— | 44: | 1,561,548 |
| | 10: | 1,562,362 | | 68: | 1,561,904 | | | 1,562,204 | | 25: | 1,561,938 | | 33: | 1,562,363 | | | 1,561,576 |
| | 42: | 1,561,942 | | 80: | 1,561,595 | 205— | 13: | 1,562,238 | | 26: | 1,562,337 | | 65: | 1,561,480 | | 50: | 1,561,658 |
| | 45.9: | 1,561,635 | 182— | 45: | 1,561,928 | 206— | 3: | 1,562,114 | | | 1,562,338 | | 86: | 1,561,862 | | | 1,562,089 |
| | 55: | 1,561,471 | | 77: | 1,562,118 | | 15.1: | 1,562,348 | | 102: | 1,561,915 | | | 1,562,214 | 281— | 19: | 1,561,891 |
| 155— | 38: | 1,562,161 | | 111: | 1,562,352 | | 44: | 1,561,622 | 238— | 8: | 1,562,147 | | 92: | 1,561,753 | | 21: | 1,561,995 |
| | 142: | 1,562,226 | 184— | 7: | 1,562,037 | | 58: | 1,561,895 | | | 1,562,295 | | 122: | 1,562,615 | | | 1,562,320 |
| 156— | 14: | 1,561,977 | 185— | 40: | 1,562,051 | | 65: | 1,562,196 | | 14: | 1,561,805 | | | 1,562,916 | | 35: | 1,561,638 |
| | | 1,562,055 | 187— | 1: | 1,562,281 | 208— | 33: | 1,561,674 | | 15: | 1,561,557 | 255— | 14: | 1,561,873 | | 37: | 1,561,742 |
| | 23: | 1,561,511 | | 52: | 1,562,184 | | 38: | 1,561,918 | | 24: | 1,562,036 | | 25: | 1,561,750 | 282— | 1: | 1,561,948 |
| | | 1,561,634 | | 81: | 1,562,117 | | 42: | 1,561,538 | | 63: | 1,562,088 | | 43: | 1,561,580 | 285— | 26: | 1,561,695 |
| | 24: | 1,561,617 | 188— | 78: | 1,561,905 | | | 1,561,639 | | 207: | 1,562,084 | | 64: | 1,561,975 | | 116: | 1,562,142 |
| | | 1,561,652 | | 88: | 1,561,629 | | | 1,562,244 | | 243: | 1,562,423 | | 74: | 1,561,523 | | 144: | 1,562,372 |
| | | 1,561,990 | | 97: | 1,561,810 | | 45: | 1,562,367 | | 259: | 1,562,182 | 256— | 52: | 1,561,976 | | | 1,562,373 |
| | 25: | 1,562,105 | | 141: | 1,561,794 | | 181: | 1,562,124 | | 315: | 1,562,303 | 257— | 1: | 1,562,220 | 286— | 10: | 1,562,019 |
| | 29: | 1,562,192 | | 152: | 1,562,133 | 211— | 8: | 1,562,152 | | | 1,562,304 | | 24: | 1,562,199 | | 20: | 1,561,838 |
| | 33: | 1,561,840 | | 170: | 1,561,722 | | 14: | 1,561,844 | | 840: | 1,561,855 | | 25: | 1,562,219 | 287— | 53: | 1,561,507 |
| | 36: | 1,561,551 | | 232: | 1,561,791 | | 17: | 1,562,381 | 240— | 10.5: | 1,561,757 | | 125: | 1,562,394 | 300— | 88: | 1,561,663 |
| | | 1,562,312 | | 234: | 1,561,700 | | 43: | 1,562,369 | | 44: | 1,562,014 | | 169: | 1,561,491 | | | 1,561,820 |
| | 38: | 1,561,470 | | | 1,561,701 | 213— | 23: | 1,562,100 | | 48.2: | 1,562,111 | | 246: | 1,561,947 | 302— | 74: | 1,561,726 |
| | 44: | 1,562,356 | | | 1,561,702 | | 50: | 1,562,094 | | 48.4: | 1,561,570 | | 256: | 1,562,229 | | 145: | 1,561,642 |
| 158— | 10: | 1,562,179 | | | 1,561,703 | | 220: | 1,562,316 | | | 1,562,196 | | 267: | 1,561,894 | | 173: | 1,562,096 |
| | 11: | 1,561,966 | | | 1,561,704 | 214— | 1: | 1,562,426 | | 52: | 1,562,052 | 260— | 11: | 1,561,585 | | 271: | 1,561,606 |
| | 26: | 1,561,968 | | | 1,561,705 | | 5: | 1,561,807 | | 57: | 1,562,407 | | 53: | 1,561,560 | | 307: | 1,561,872 |
| | 42.2: | 1,562,278 | | | 1,562,132 | | 41: | 1,561,664 | | 61: | 1,561,625 | | 130.5: | 1,561,491 | | 223: | 1,561,869 |
| | 42.3: | 1,561,474 | | 249: | 1,562,155 | | 65: | 1,561,744 | | 81: | 1,562,406 | | 145: | 1,562,093 | 303— | 45: | 1,562,329 |
| | 56: | 1,561,930 | 189— | 1: | 1,562,198 | | | 1,562,364 | | 103: | 1,562,347 | 261— | 24: | 1,562,259 | | 54: | 1,562,245 |
| | 57: | 1,562,333 | | 3: | 1,561,762 | | 65.5: | 1,562,239 | 241— | 12: | 1,562,272 | | 41: | 1,561,967 | | 55: | 1,561,465 |
| | 76: | 1,561,527 | | 30: | 1,562,343 | | 128: | 1,561,694 | 242— | 42.6: | 1,561,691 | | | 1,562,126 | 304— | 26: | 1,562,634 |
| | 99: | 1,561,848 | | 72: | 1,562,213 | | | 1,562,288 | | | 1,561,692 | 262— | 28: | 1,561,481 | | 41: | 1,561,833 |
| 159— | 25: | 1,561,636 | | 75: | 1,562,212 | 215— | 12: | 1,561,987 | | 71: | 1,561,945 | 263— | 34: | 1,561,726 | | 72: | 1,561,917 |
| | 29: | 1,561,808 | 190— | 13: | 1,561,486 | | 44: | 1,562,073 | | 77: | 1,561,485 | 264— | 7: | 1,561,773 | 306— | 51: | 1,561,981 |
| | 48: | 1,561,971 | | | 1,562,417 | | 95: | 1,562,102 | | 117: | 1,561,459 | | 15: | 1,561,886 | | 85: | 1,561,816 |
| 164— | 6.5: | 1,562,157 | 192— | 61: | 1,561,549 | | 160: | 1,561,453 | | 130: | 1,562,071 | | 21: | 1,562,351 | | 145: | 1,562,256 |
| | | 1,562,158 | | 62: | 1,561,611 | 216— | 55: | 1,562,085 | | 132: | 1,562,171 | 265— | 5: | 1,561,689 | 308— | 19: | R. 16,212 |
| | 44: | 1,562,045 | | 68: | 1,562,144 | | 60: | 1,561,600 | | 149: | 1,562,072 | | 67: | 1,561,970 | | | 1,562,222 |
| | 58: | 1,562,162 | | 116.5: | 1,561,977 | 217— | 5: | 1,562,004 | | 150: | 1,562,112 | | 68: | 1,561,997 | | 31: | 1,562,404 |
| | 61: | 1,561,803 | | 133: | 1,562,010 | | 95: | 1,562,218 | 243— | 16: | 1,562,354 | | 49: | 1,561,885 | 309— | 144: | 1,561,809 |
| 165— | 1: | 1,561,768 | 194— | 6: | 1,562,421 | 219— | 2: | 1,562,419 | 244— | 1: | 1,562,251 | | 62: | 1,561,621 | | 150: | 1,561,646 |
| 169— | 21: | 1,562,104 | | 9: | 1,562,178 | | 23: | 1,562,349 | | 2: | 1,561,696 | | | 1,561,698 | 301— | 63: | 1,561,643 |
| 171— | 252: | 1,562,263 | | 102: | 1,561,707 | | 25: | 1,562,234 | | | 1,561,698 | 266— | 3: | 1,561,577 | | | 1,561,764 |
| 172— | 280: | 1,561,624 | 199— | 8: | 1,561,899 | | 36: | 1,562,021 | | | 1,562,298 | | 5: | 1,561,957 | | | 1,561,766 |
| 173— | 328: | 1,562,187 | | 19: | 1,562,425 | | 37: | 1,561,883 | | | 1,562,310 | | 34: | R. 16,213 | | | 1,562,287 |
| | 334: | 1,561,597 | | 58: | 1,561,779 | | 38: | 1,561,490 | | 21: | 1,561,533 | 267— | 9: | 1,561,463 | | 64: | 1,562,003 |
| | 335: | 1,562,370 | | 122: | 1,561,798 | | | 1,561,591 | | | 1,562,258 | | 10: | 1,561,522 | 308— | 18: | 1,561,460 |
| | 336: | 1,561,495 | | 139: | 1,562,009 | | | 1,561,814 | | 29: | 1,561,619 | | | 1,561,583 | | 24: | 1,562,325 |
| | 341: | 1,561,554 | | 145: | 1,562,156 | | | 1,561,815 | | | 1,561,792 | | 19: | 1,561,776 | | 54: | 1,561,670 |
| | 354: | 1,562,247 | | 147: | 1,561,999 | | 39: | 1,561,706 | | | 1,561,961 | | 36: | 1,561,942 | 304— | 41: | 1,562,391 |
| 175— | 183: | 1,561,452 | | | 1,562,000 | | | 1,562,261 | | 30: | 1,561,697 | | 37: | 1,561,683 | 305— | 4: | 1,561,996 |
| | | 1,561,483 | | | 1,562,001 | | | 1,562,293 | 245— | 1.5: | 1,561,684 | | 74: | 1,561,897 | 306— | 4: | 1,562,374 |
| | | 1,561,981 | 197— | 4: | 1,562,120 | 220— | 15: | 1,561,769 | 246— | 128: | 1,561,717 | 268— | 4: | 1,561,749 | 308— | 14: | 1,562,302 |
| | 320: | 1,562,200 | | 6.4: | 1,561,607 | | 22: | 1,562,074 | | 135: | 1,561,962 | 270— | 39: | 1,561,907 | | 72: | 1,562,130 |
| | 359: | 1,561,834 | | 6.6: | 1,562,109 | | 85: | 1,562,143 | | 180: | 1,562,328 | | | 1,561,908 | | 124: | 1,561,745 |
| | 360: | 1,561,782 | | 63: | 1,561,494 | | 85: | 1,562,428 | | 202: | 1,562,097 | 271— | 19: | 1,561,821 | | 125: | 1,561,526 |
| 176— | 5: | 1,562,277 | | 126: | 1,561,932 | 221— | 11: | 1,561,601 | | 285: | 1,562,359 | | 30: | 1,562,024 | | 207: | 1,562,312 |
| | 132: | 1,562,202 | | | 1,561,949 | | 60: | 1,562,005 | | 293: | 1,562,398 | | 48: | 1,562,271 | | 243: | 1,562,126 |
| 177— | 329: | 1,561,818 | | 149: | 1,562,119 | | 67: | 1,562,260 | | 299: | 1,562,136 | 272— | 8: | 1,561,720 | | | |
| | | 1,562,400 | | 151: | 1,561,540 | | 72: | 1,561,839 | 248— | 20: | 1,561,603 | | 22: | 1,562,280 | | | |
| | 353: | 1,562,210 | | 154: | 1,561,541 | | 105: | 1,562,002 | | 31: | 1,561,850 | | 83: | 1,561,979 | | | |

# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abraham & Straus, Inc., New York, N. Y. Cut glass, sheet glass, glass bottles, etc. 206,157; Nov. 24; Serial No. 200,300; published Sept. 15, 1925.

Abraham & Straus, Inc., New York, N. Y. Household furniture. 206,278; Nov. 24; Serial No. 210,428; published Sept. 1, 1925.

Adam, J. N., & Co., Buffalo, N. Y. Coaster wagons. 206,197; Nov. 24; Serial No. 218,035; published Sept. 15, 1925.

Adams, Thomas H. (See Cushman Drug Co.)

Ajax Manufacturing Company, The, Cleveland; The Ajax Manufacturing Company, Euclid, Ohio. Metal forging and forming machines. 49,879; renewed Feb. 20, 1926.

Allbestos Corporation, Philadelphia, Pa. Brake linings. 206,236; Nov. 24; Serial No. 217,656; published Sept. 15, 1925.

Altman, B., & Co., New York, N. Y. Toilet soap. 206,117; Nov. 24; Serial No. 217,491; published Sept. 8, 1925.

American Agricultural Chemical Company, The, New York, N. Y. Poultry food. 206,097; Nov. 24; Serial No. 216,895; published Sept. 8, 1925.

American Car and Foundry Company, New York, N. Y. Rolls, crusher parts, and liner plates for mills. 206,185; Nov. 24; Serial No. 217,749; published Sept. 8, 1925.

American Chemical Works, The, San Francisco, Calif. Liquid preservative coating for wood, metal, or other material. 206,298; Nov. 24; Serial No. 214,988; published Sept. 1, 1925.

American Chicle Company, Long Island City, N. Y. Chewing gum. 206,060; Nov. 24; Serial No. 217,003; published Sept. 8, 1925.

American Dry Goods Company of New York, New York, N. Y. Infants' hose. 206,267; Nov. 24; Serial No. 189,834; published Aug. 11, 1925.

American Hard Rubber Company, Hempstead and New York, N. Y. Combs. 206,342; Nov. 24.

American Hardware Corporation, The. (See Russell & Erwin Manufacturing Company, assignor.)

American Maid Undergarment Co., New York, N. Y. Gowns, bloomers, chemises, etc. 206,277; Nov. 24; Serial No. 206,090; published June 16, 1925.

American Printers' Roller Company. (See Donegan, Daniel H.)

American Products Company, The, Cincinnati, Ohio. Furniture polish. 206,030; Nov. 24; Serial No. 213,948; published Aug. 25, 1925.

Anaheim Orange & Lemon Association, Anaheim, Calif. Oranges and lemons. 206,137; Nov. 24; Serial No. 215,039; published Sept. 15, 1925.

Anderson Manufacturing Company, Everett, Mass. Spring covers for automobile springs. 206,281; Nov. 24; Serial No. 212,466; published Sept. 15, 1925.

Andreson & Patterson, Worcester, Mass. Candies, comfits, and preserves. 206,031; Nov. 24; Serial No. 214,114; published Sept. 8, 1925.

Angier Corporation, Framingham, Mass. Window shades or curtains. 206,295; Nov. 24; Serial No. 214,638; published Sept. 15, 1925.

Atkins, E. C., & Company, Indianapolis, Ind.; New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; Minneapolis, Minn.; Portland, Oreg.; Seattle, Wash.; San Francisco, Calif.; Chicago, Ill.; and Toronto, Canada. E. C. Atkins & Company, Indianapolis, Ind. Saws. 48,453; renewed Jan. 2, 1926.

Atkins, E. C., & Company, Indianapolis, Ind.; New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; Minneapolis, Minn.; Portland, Oreg.; Seattle, Wash.; San Francisco, Calif.; Chicago, Ill.; and Toronto, Canada; E. C. Atkins & Company, Indianapolis, Ind. Saws of all kinds. 49,469; renewed Feb. 6, 1926.

Atlanta Barber Supply Co., Atlanta, Ga. Razors. 206,153; Nov. 24; Serial No. 209,454; published Sept. 1, 1925.

Auto Body Company, The, Lansing, Mich. Vehicle bodies. 206,319; Nov. 24; Serial No. 216,378; published Sept. 15, 1925.

Ayer Company, The, Lowell, Mass. Health tonic. 206,145; Nov. 24; Serial No. 219,054; published Sept. 22, 1925.

Baeder Adamson Company, Boston, Mass. Pattern paper for use in stonecutting. 206,018; Nov. 24; Serial No. 208,122; published Sept. 1, 1925.

Bakelite Corporation, New York, N. Y. Paint enamels, lacquers, and varnishes. 206,013; Nov. 24; Serial No. 213,275; published Aug. 18, 1925.

Baker Castor Oil Company, The, New York, N. Y.; The Baker Castor Oil Company, Jersey City, N. J., and New York, N. Y. Castor oil. 48,944; renewed Jan. 16, 1926.

Baldwin & Co. Ltd., New Orleans, La. Cookstoves, heating stoves, and ranges. 49,879; renewed Feb. 20, 1926.

Barber Asphalt Company, The, Philadelphia, Pa. Roll roofing. 206,246; Nov. 24; Serial No. 215,125; published Sept. 15, 1925.

Barnard & Leas Manufacturing Company, Moline, Ill. Shaking bolts. 49,848; renewed Feb. 20, 1926.

Bassett Jewelry Company, The, Providence, R. I. Chains and lockets. 48,168; renewed Dec. 12, 1925.

Baxter, Ezra G., Waycross, Ga. Artificial honey. 206,299; Nov. 24; Serial No. 215,126; published Sept. 15, 1925.

Beaver Clay Manufacturing Company, New Galilee, Pa. Building bricks and blocks. 206,290; Nov. 24; Serial No. 213,424; published Sept. 15, 1925.

Bell, John, Bridgeport, Pa. Polish for automobile bodies, furniture, etc. 206,012; Nov. 24; Serial No. 213,546; published Aug. 18, 1925.

Belleville Stove & Range Co., Belleville, Ill. Stoves and ranges. 206,245; Nov. 24; Serial No. 215,043; published Sept. 15, 1925.

Bennett Glass & Paint Company, Salt Lake City, Utah. Paints, varnishes, and enamels. 206,205; Nov. 24; Serial No. 216,315; published Aug. 11, 1925.

Bennett Glass & Paint Company, Salt Lake City, Utah. Paints, varnishes, and enamels. 206,312; Nov. 24; Serial No. 216,868; published Sept. 1, 1925.

Bernwall, Arthur E., doing business as Scientific Appliance Co., Janesville, Wis. Parlor board game played with pieces. 206,120; Nov. 24; Serial No. 217,245; published Sept. 8, 1925.

Better Packages, Incorporated, New York, N. Y. Paper strips. 206,332; Nov. 24.

Bilton Machine Tool Company, The, Bridgeport, Conn. Machine tools, and particularly milling machines and cutters, die sets, and hammers. 206,186; Nov. 24; Serial No. 217,498; published Sept. 15, 1925.

Bing Corporation, The, New York, N. Y. Catalogues. 206,343; Nov. 24.

Black, Walter J., doing business as Walter J. Black Company, New York, N. Y. Books and series of books. 206,092; Nov. 24; Serial No. 215,845; published Aug. 25, 1925.

Blake, John D., doing business as The Blake Company, Rockford, Ill. Painters' drop cloths. 206,279; Nov. 24; Serial No. 211,451; published Sept. 15, 1925.

Blank, Rudolph, New York, N. Y. Textbooks. 206,154; Nov. 24; Serial No. 209,378; published Sept. 8, 1925.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 206,180; Nov. 24; Serial No. 218,044; published Sept. 15, 1925.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 206,181; Oct. 24; Serial No. 218,042; published Sept. 15, 1925.

Boardman, William, & Sons Co., The, Hartford, Conn. Tea and coffee. 206,048; Nov. 24; Serial No. 216,498; published Sept. 8, 1925.

Bon-Tober Sporting Goods Company, The, Hartford, Conn. Baseballs. 206,111; Nov. 24; Serial No. 217,812; published Sept. 15, 1925.

Boonville Mills Company, Boonville, Mo. Self-rising flour. 206,072; Nov. 24; Serial No. 211,074; published Sept. 8, 1925.

Boucher, William, & Sons, Baltimore, Md. Cigars. 206,033; Nov. 24; Serial No. 214,641; published Sept. 8, 1925.

Boucher, William, & Sons, Baltimore, Md. Cigars. 206,035; Nov. 24; Serial No. 214,642; published Sept. 8, 1925.

Boyd Packing Company, Richmond, Va. Ham, bacon, lard, and lard substitute. 206,023; Nov. 24; Serial No. 200,540; published May 5, 1925.

Boyle Valve Company, Chicago, Ill. Valves. 206,125; Nov. 24; Serial No. 217,447; published Sept. 15, 1925.

Brake Shop, The. (See Fuller, Mott.)

Brigham-Hopkins Company, Baltimore, Md. Straw hats. 48,976; renewed Jan. 16, 1926.

Bright & Company, Reading, Pa. Leakproof liquid roof coating. 206,006; Nov. 24; Serial No. 215,046; published Aug. 18, 1925.

Britton Threads, Inc., Pawtucket, R. I. Thread. 206,288; Nov. 24; Serial No. 218,285; published Sept. 15, 1925.

Brown & Bailey Company, Philadelphia, Pa. Folding paper boxes, cartons, etc. 206,047; Nov. 24; Serial No. 216,822; published Sept. 15, 1925.

Brown & Bigelow, St. Paul, Minn. Periodical particularly adapted to florists and floral interests. 206,121; Nov. 24; Serial No. 217,252; published Sept. 8, 1925.

Brown, Edward W., Co., San Francisco, Calif. Preparation made from chocolate, cocoa, milk solids, etc. 206,028; Nov. 24; Serial No. 218,889; published Sept. 8, 1925.

Bruning, G., Tobacco Ex. Company, Lynchburg, Va. Tobacco extract used for flavoring tobaccos. 206,007; Nov. 24; Serial No. 214,779; published Sept. 15, 1925.

Brunner, T. C., & Son, Omaha, Nebr. Wheat flour. 206,266; Nov. 24; Serial No. 185,560; published Sept. 15, 1925.

Buffalo Meter Company, Buffalo, N. Y. Quantity meters for measuring water, oil, gasoline, and other liquids. 206,252; Nov. 24; Serial No. 217,755; published Sept. 8, 1925.

Burnett, Joseph, Co., Boston, Mass. Flavoring extracts. 50,469; renewed Mar. 20, 1926.

Byron, W. D., & Sons, Williamsport; W. D. Byron & Sons, Inc., Mercersburg, Pa., successor. Leather. 47,977; renewed Dec. 5, 1925.

Carson Pirie Scott & Co., Chicago, Ill. Artificial-silk underwear. 206,286; Nov. 24; Serial No. 212,716; published Sept. 15, 1925.

Carson Pirie Scott & Co., Chicago, Ill. Men's and boys' nainsook athletic union suits. 206,287; Nov. 24; Serial No. 212,717; published Sept. 15, 1925.

Cartlidge, Christopher, doing business as Original Trenton Cracker Co., Trenton, N. J. Crackers. 206,118; Nov. 24; Serial No. 217,330; published Sept. 8, 1925.

Cekimo Company, New York and Brooklyn, N. Y. Disinfectant distributor. 206,158; Nov. 24; Serial No. 198,843; published Sept. 1, 1925.

Celite Products Co., Los Angeles, Calif. Materials comprising diatomaceous earth or infusorial earth. 206,241; Nov. 24; Serial No. 202,658; published Sept. 15, 1925.

Celite Products Company, Los Angeles, Calif. Material used in aiding filtration and in de-mulsifying or dehydrating of liquids. 206,291; Nov. 24; Serial No. 213,549; published July 22, 1925.

Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile silk fabric in the piece. 206,159; Nov. 24; Serial No. 202,930; published Sept. 15, 1925.

Chicago White Lead & Oil Co., The, Chicago, Ill. House paints, varnishes, barn paints, and enamels. 206,227; Nov. 24; Serial No. 217,133; published Sept. 1, 1925.

Citrus Soap Company of California, San Diego, Calif. Soap powder. 206,330; Nov. 24.

Cloverleaf Creameries, Inc., New York, N. Y. Butter. 206,275; Nov. 24; Serial No. 205,859; published Sept. 15, 1925.

Cochran, Albert W., Portland, Oreg. Router bits for engraving. 206,143; Nov. 24; Serial No. 214,645; published Sept. 15, 1925.

Code Check Guard Company, Los Angeles, Calif. Check guards for marking checks to prevent alteration. 206,150; Nov. 24; Serial No. 211,833; published Sept. 8, 1925.

Cohen, Goldman & Co., New York, N. Y. Men's and children's overcoats. 206,136; Nov. 24; Serial No. 215,135; published Sept. 1, 1925.

Colescott, W. A., & Co., Inc., Philadelphia, Pa. Brushes. 206,087; Nov. 24; Serial No. 216,088; published Sept. 8, 1925.

Colmer-McNeil, Los Angeles, Calif. Preparation for removing stains from plaster. 206,206; Nov. 24; Serial No. 216,151; published Aug. 11, 1925.

Conde Nast Publications, Inc., The, New York, N. Y. Printed advertising signs. 206,142; Nov. 24; Serial No. 214,646; published Sept. 8, 1925.

Conner, Guy W., Medford, Oreg. Fresh pears. 206,176; Nov. 24; Serial No. 218,247; published Sept. 15, 1925.

Conselman, Williams M., Los Angeles, Calif. Comic strips. 206,108; Nov. 24; Serial No. 217,861; published Sept. 8, 1925.

Consolidated Flour Mills Company, The, Hutchinson, Kans. Wheat flour. 206,093; Nov. 24; Serial No. 215,772; published Sept. 8, 1925.

Cooper Oven Thermometer Company, The, Pequabuck, Plymouth, Conn. Cigarette extinguishers and ash trays. 206,324; Nov. 24; Serial No. 215,736; published Sept. 15, 1925.

Corliss, Coon & Co., New York, assignor to Corliss, Coon & Co., Inc., Troy, N. Y. Linen collars and cuffs. 46,596; renewed Sept. 26, 1925.

Cosmos Trading Company. (See Klemperer, Gustav.)

Cozian, James, doing business as Cozy Bread Company, Denver, Colo. Bread. 206,088; Nov. 24; Serial No. 216,022; published Sept. 8, 1925.

Cozy Bread Company. (See Cozian, James.)

Crescent Bottling Works, Newark, N. J. Cider and white vinegars, prepared mustard, and cottonseed salad oil. 206,008; Nov. 24; Serial No. 214,532; published Sept. 8, 1925.

Crete Mills, The, Crete, Nebr. Chick food. 206,335; Nov. 24.

Crouse-Hinds Company, Syracuse, N. Y. Electric conduit fittings. 50,462–3; renewed Mar. 20, 1926.

Crown Willamette Paper Company, San Francisco, Calif. Paper bags. 206,086; Nov. 24; Seral No. 216,260; published Sept. 15, 1925.

Cupples, Samuel, Envelope Co., St. Louis, Mo. Envelopes. 47,013; renewed Oct. 17, 1925.

Cushman Drug Co.; Thomas H. Adams, doing business as Cushman Drug Co., Vincennes, Ind. Remedy for certain named diseases. 49,502; renewed Feb. 13, 1926.

Damascus Steel Products Corporation, Rockford, Ill. Force oilers and oil cans. 206,292; Nov. 24; Serial No. 213,772; published Aug. 25, 1925.

Davis Paint Company, Kansas City, Mo. Ready-mixed paint. 206,337; Nov. 24.

Deane Plaster Co., The, Yonkers, N. Y. Sanitary napkins. 206,249; Nov. 24; Serial No. 217,395; published Sept. 8, 1925.

Detroit Graphite Company, Detroit, Mich. Paints, dry, paste, semipaste, and ready mixed. 206,011; Nov. 24; Serial No. 213,699; published Aug. 18, 1925.

Deubener's Shopping Bag, St. Paul, Minn. Toy balloons. 206,080; Nov. 24; Serial No. 201,228; published Sept. 8, 1925.

Devoine Company, The, Baltimore, Md. Candy. 206,282; Nov. 24; Serial No. 212,485; published Sept. 15, 1925.

Dill, Joseph G., Inc., Richmond, Va.; J. G. Dill Company, Incorporated, Richmond, Va., and New York, N. Y., successor. Plug-cut, plug, and smoking tobacco. 47,848; renewed Nov. 28, 1925.

Donegan, Daniel H., doing business as American Printers' Roller Company, Chicago, Ill. Glue. 206,084; Nov. 24; Serial No. 191,941; published Sept. 1, 1925.

Duplex Manufacturing Company, St. Louis, Mo. Banjo heads and drumheads. 50,640; renewed Mar. 20, 1926.

Durkee, E. R., & Co., New York; E. R. Durkee & Co., Elmhurst, N. Y. Starch. 47,799–800; renewed Nov. 21, 1925.

Eastern Carbon Black Company, Charleston, W. Va. Carbon black. 206,204; Nov. 24; Serial No. 216,458; published Aug. 11, 1925.

Eastern Finishing Works, Inc., Kenyon, R. I. Treated woven cotton fabric. 206,258; Nov. 24; Serial No. 215,778; published Sept. 15, 1925.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquer. 206,207–8; Nov. 24; Serial Nos. 215,904–5; published Aug. 11, 1925.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquer. 206,209–11; Nov. 24; Serial Nos. 215,898–900; published Aug. 11, 1925.

Ehrlich, H., & Sons Manufacturing Co., St. Joseph, Mo. Billiard and pool balls. 206,109; Nov. 24; Serial No. 217,824; published Sept. 15, 1925.

Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather. 49,738–9; renewed Feb. 13, 1926.

Eico Tool and Screw Corporation, Rockford, Ill. Wood screws, rolled thread parts, rivets, etc. 206,139; Nov. 24; Serial No. 214,786; published Sept. 1, 1925.

Elizabeth-Miracle Fireless Self-Cooker Mfg. Co. (See Szécsy, Elizabeth.)

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 206,026; Nov. 24; Serial No. 215,354; published Aug. 25, 1925.

Empire Published Company, Washington, D. C. Weekly newspaper. 206,038–42; Nov. 24; Serial Nos. 215,346–50; published Aug. 25, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 206,043–4; Nov. 24; Serial Nos. 215,352–3; published Aug. 25, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 206,098–100; Nov. 24; Serial Nos. 215,363–5; published Aug. 25, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 206,101–4; Nov. 24; Serial Nos. 215,355–8; published Aug. 25, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 206,199; Nov. 24; Serial No. 215,386; published Aug. 25, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 206,212–5; Nov. 24; Serial Nos. 215,359–62; published Aug. 25, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 202,216–24; Nov. 24; Serial Nos. 215,337–45; published Aug. 25, 1925.

Empire Publishing Company, The, Washington, D. C. Weekly newspaper. 206,225; Nov. 24; Serial No. 215,335; published Aug. 25, 1925.

Enduro Fabric & Bag Company. (See Kelman, D. J.)

Evans, C. H., & Sons, Hudson, N. Y. Ale. 50,407; renewed Mar. 13, 1926.

Everwear Hosiery Co., The, Milwaukee, Wis. Hosiery. 206,284; Nov. 24; Serial No. 212,546; published Sept. 15, 1925.

Experimenter Publishing Co., New York, N. Y. Monthly magazine. 206,273; Nov. 24; Serial No. 204,854; published Sept. 15, 1925.

Ferguson Coal Co., Clinton, Ind. Coke. 206,247; Nov. 24; Serial No. 217,214; published Sept. 8, 1925.

Fiberloid Corporation, The, Indian Orchard, Springfield, Mass. Brushes. 206,124; Nov. 24; Serial No. 217,215; published Sept. 15, 1925.

Fidelity Machine Company, Wilmington, Del., and Philadelphia, Pa. Footer, knitting, and ribbing machines, and parts thereof. 206,304; Nov. 24; Serial No. 215,565; published Aug. 25, 1925.

First National Bank in Detroit, Detroit, Mich. Booklets. 206,083; Nov. 24; Serial No. 196,162; published Sept. 1, 1925.

Fishelov, H., doing business as H. Fishelov & Co., Chicago, Ill. Miniature toilet sets. 206,061–2; Nov. 24; Serial Nos. 217,078–9; published Sept. 15, 1925.

Fletcher Manufacturing Company, assignor to International Braid Company, Providence, R. I. Wicks, webs, and webbing. 48,777; renewed Jan. 16, 1926.

Fletcher Manufacturing Company, assignor to International Braid Company, Providence, R. I. Braids, bindings, and trimmings. 49,187; renewed Jan. 30, 1926.



Flex-O-Glass Manufacturing Company, Chicago, Ill. Transparent waterproof oiled cloth for covering tents, porches, etc. 206,256; Nov. 24; Serial No. 210,228; published Sept. 8, 1925.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels and napkins, and crêpe paper. 206,152; Nov. 24; Serial No. 209,645; published Sept. 8, 1925.

Fowler, John E., Richmond; John E. Fowler, Rosslyn, Va. Flavoring extracts. 46,025; renewed Sept. 5, 1925.

Frankel Bros., New York, N. Y. Men's outer clothing. 206,141; Nov. 24; Serial No. 214,719; published Sept. 15, 1925.

Franklin Cotton Mill Co., The, Cincinnati, Ohio. Belting and aprons or conveyers. 206,315; Nov. 24; Serial No. 216,593; published Sept. 1, 1925.

Franklin Pottery Co., Lansdale, Pa. Falence tile. 206,260; Nov. 24; Serial No. 216,329; published Sept 15, 1925.

Freeman-Smart Company, Chicago, Ill. Monthly magazine. 206,057; Nov. 24; Serial No. 216,862; published Sept. 1, 1925.

Frictionless Metal Company, Richmond, Va.; Frictionless Metal Company, St. Louis, Mo. Alloy for bearing metal. 49,587; renewed Feb. 13, 1926.

Fuller, Mott, doing business as The Brake Shop, Oakland, Calif. Brake linings. 206,300; Nov. 24; Serial No. 215,144; published Sept 8, 1925.

Fulton Bag & Cotton Mills, Atlanta, Ga. Tents. 206,255; Nov. 24; Serial No. 204,824; published Sept. 15, 1925.

Garland, Harrison W., Bay City, Mich. Monthly magazine. 206,110; Nov. 24; Serial No. 217,929; published Sept. 8, 1925.

German Herold Publishing Co. of New York City, Inc., New York, N. Y. Newspapers. 206,123; Nov. 24; Serial No. 217,220; published Sept. 8, 1925.

Glidden Company, The, Cleveland, Ohio. Varnishes, lacquers, enamels, etc. 206,022; Nov. 24; Serial No. 200,881; published Aug. 18, 1925.

Goldman, Morris, San Francisco, Calif. Ladies' and misses' cloaks, suits, and dresses. 206,322; Nov. 24; Serial No. 215,910; published Sept. 15, 1925.

Goldmark, Adolph, & Sons, Corp., New York, N. Y. Canned lima beans and canned salmon. 206,056; Nov. 24; Serial No. 216,717; published Sept. 8, 1925.

Gugler, H. H., Chicago, Ill. Leaflets, booklets, posters, etc. 206,134; Nov. 24; Serial No. 216,041; published Sept. 8, 1925.

Gunnerson Shoe Co., Los Angeles, Calif. Hosiery. 206,228; Nov. 24; Serial No. 217,224; published Sept. 15, 1925.

Haiff, M., & Bro., San Antonio, Tex. Bed sheeting. 206,326; Nov. 24.

Hamilton, Ashton, doing business as Hamilton-Wade Company, Brockton, Mass. Blind-nail trimming strips. 206,318; Nov. 24; Serial No. 216,391; published Aug. 25, 1925.

Hammel, Riglander & Co., New York, N. Y. Watch glasses. 206,183; Nov. 24; Serial No. 217,828; published Sept. 15, 1925.

Hammond Bag & Paper Co., Wellsburg, W. Va. Paper bags. 206,340; Nov. 24.

Harding, Samuel D., Trinidad, British West Indies. Black metallic paint. 206,078; Nov. 24; Serial No. 205,061; published Aug. 18, 1925.

Hardright Company, The, Belleville, N. J. Handles for lather brushes. 206,112; Nov. 24; Serial No. 217,772; published Sept. 15, 1925.

Harris, J. E., Company, The, Wooster, Ohio. Cold-water paint. 206,009; Nov. 24; Serial No. 214,479; published Aug. 18, 1925.

Haucke, Otto, doing business as Haucke & Sohn, Altona, Germany. Cocoa, cocoa powder and cake, jams, honey, coffee, tea, etc. 206,242; Nov. 24; Serial No. 210,844; published Sept. 1, 1925.

Hauthaway, C. L., & Sons, Incorporated, Portland, Me., and Boston, Mass., assignor to C. L. Hauthaway & Sons, Inc., Boston, Mass. Liquid dressing for boots and shoes. 50,066; renewed Mar. 6, 1926.

Hawaiian Pineapple Products Co., Ltd., San Francisco, Calif., and Iwilei, Hawaii. Canned pineapple, jam, marmalade, and jelly. 206,168–9; Nov. 24; Serial Nos. 218,554–5; published Sept. 15, 1925.

Hawaiian Pineapple Products Co., Ltd., San Francisco, Calif., and Iwilei, Hawaii. Canned pineapple, jam, marmalade, and jelly. 206,170; Nov. 24; Serial No. 218,552; published Sept. 15, 1925.

Helburn Thompson Company, Salem, Mass. Leather. 206,306–8; Nov. 24; Serial Nos. 217,094–6; published Sept. 15, 1925.

Hellmann Bros., New York, N. Y. Fresh potatoes, onions, apples, turnips, etc. 206,160; Nov. 24; Serial No. 196,113; published Sept. 15, 1925.

Hessig-Ellis Drug Company, Memphis, Tenn. Soaps. 206,049; Nov. 24; Serial No. 216,535; published Aug. 25, 1925.

High Point Overall Co., High Point, N. C. Overalls, pants, and work shirts. 206,320; Nov. 24; Serial No. 216,270; published Sept. 15, 1925.

Hoefeld, Albert, Chicago, Ill. Suits and overcoats. 206,130; Nov. 24; Serial No. 216,782; published Sept. 15, 1925.

Home Talk Publishing Co., Brooklyn, N. Y. Weekly newspaper. 206,063; Nov. 24; Serial No. 217,153; published Sept. 8, 1925.

Horst, E. Clemens, Co., San Francisco, Calif. Hops. 206,305; Nov. 24; Serial No. 215,572; published Sept. 15, 1925.

Horstmann, Wm. H., Company, Philadelphia, Pa.; New York, N. Y.; Boston, Mass.; Baltimore, Md.; Detroit, Mich.; Paris and Lyon, France; Wm. H. Horstmann Company, Philadelphia, Pa. Yarns. 50,216; renewed Mar. 6, 1926.

Hubbell, Harvey, Incorporated. (See Stewart, Frank H., Electric Company.)

Hubbell, Harvey, Incorporated, Bridgeport, Conn. Pull sockets. 50,234; renewed Mar. 6, 1926.

Hudnut, Richard, New York, N. Y. Soap. 206,054; Nov. 24; Serial No. 216,679; published Aug. 25, 1925.

Hulman & Co., Terre Haute, Ind. Baking powder. 49,902; renewed Feb. 20, 1926.

Hume, G. W., Company, San Francisco, Calif. Canned fruits and vegetables. 206,167; Nov. 24; Serial No. 218,558; published Sept. 15, 1925.

Hurley, Horace O.; H. O. Hurley Company, Louisville, Ky., successor. Medicine for certain named diseases. 50,237; renewed Mar. 6, 1926.

Imperial Malt Co. (See Maggio, Alex J.)

Independent Baking Co., Davenport, Iowa. Biscuits. 206,045; Nov. 24; Serial No. 217,098; published Sept. 8, 1925.

Independent Baking Company, Davenport, Iowa. Oyster crackers. 206,058; Nov. 24; Serial No. 216,911; published Sept. 8, 1925.

Interborough News Company, New York, N. Y. Stationery supplies. 206,323; Nov. 24; Serial No. 215,859; published Sept. 15, 1925.

International Braid Company. (See Fletcher Manufacturing Company.)

International Magazine Co., Inc., New York, N. Y. Display mirrors. 206,280; Nov. 24; Serial No. 212,270; published Aug. 25, 1925.

International Silver Company, Meriden, Conn. Silverplated hollow ware. 49,538–41; renewed Jan. 30, 1926.

International Silver Company, Meriden, Conn. Silverplated hollow ware. 49,769; renewed Feb. 13, 1926.

International Silver Company, Meriden, Conn. Silverplated hollow ware. 49,825–6; renewed Feb. 20, 1926.

Item Publishing Company, The, Brooklyn, N. Y. Weekly newspaper. 206,064; Nov. 24; Serial No. 217,156; published Sept. 8, 1925.

Jackes-Evans Manufacturing Company, St. Louis, Mo. Portable ovens. 206,302; Nov. 24; Serial No. 215,462; published Sept. 15, 1925.

Johns-Manville, Incorporated, New York, N. Y. Engineers insulating tape. 206,327; Nov. 24.

Johnson Furniture Company, Grand Rapids, Mich. Wooden household furniture. 206,276; Nov. 24; Serial No. 206,412; published Mar. 16, 1925.

Johnson & Johnson, New Brunswick, N. J. Plasters. 49,279–80; renewed Jan. 30, 1926.

Johnson & Johnson, New Brunswick, N. J. Membranes. 49,281; renewed Jan. 30, 1926.

Johnson & Johnson, New Brunswick, N. J. Surgical dressings. 49,282; renewed Jan. 30, 1926.

Johnson & Johnson, New Brunswick, N. J. Plasters. 49,380; renewed Feb. 6, 1926.

Johnson & Johnson, New Brunswick, N. J. Soap. 49,381; renewed Feb. 6, 1926.

Johnson, William H., New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Peanut butter, butter, cereals, etc. 206,165; Nov. 24; Serial No. 163,989; published Jan. 1, 1924.

Joseph & Feiss Co., The, Cleveland, Ohio. Men's suits, trousers, and overcoats. 206,067; Nov. 24; Serial No. 212,086; published Sept. 8, 1925.

Kansas City Power & Light Company, Kansas City, Mo. Motion-picture films. 206,251; Nov. 24; Serial No. 217,623; published Sept. 8, 1925.

Kearney & Foot Company, Paterson, N. J. Files and rasps. 49,382; renewed Feb. 6, 1926.

Keene Washing Products Co., The, Keene, N. H. Washing powder. 206,032; Nov. 24; Serial No. 214,256; published Aug. 25, 1925.

Kelly, Harry H., & Sons, Philadelphia, Pa. Brushes, whisk brooms, and brooms. 206,339; Nov. 24.

Kelman, David J., doing business as Enduro Fabric & Bag Company, New York, N. Y. Laundry bags. 206,115; Nov. 24; Serial No. 217,677; published Sept. 8, 1925.

Kenffel & Esser Company, Hoboken, N. J. Wire-staple-fastening machine. 206,181; Nov. 24; Serial No. 216,735; published Sept. 1, 1925.

Keystone Steel & Wire Company, Bartonville, Peoria, Ill. Galvanized sheets. 206,250; Nov. 24; Serial No. 217,401; published Sept. 8, 1925.

Keystone Steel & Wire Company, Bartonville, Peoria, Ill. Galvanized sheets. 206,258; Nov. 24; Serial No. 217,787; published Sept. 8, 1925.

Keystone Watch Case Company, The. (See Philadelphia Watch Case Co.)

Kingery, Samuel S.; Kingery Manufacturing Company, Cincinnati, Ohio, successor. Gelatin. 46,924; renewed Oct. 17, 1925.

Kirk, James S., & Company, Chicago, Ill. Soap powder. 206,188; Nov. 24; Serial No. 218,127; published Sept. 8, 1925.
Klemperer, Gustav, doing business as Cosmos Trading Company, New York, N. Y. Hair nets. 206,833; Nov. 24.
Knickerbocker Chocolate Company, New York, N. Y. Chocolate. 49,157; renewed Jan. 23, 1926.
Knickerbocker Chocolate Company, New York, N. Y. Chocolate and cocoa. 49,343; renewed Jan. 30, 1926.
Koenig, Nicholas F., Chicago, Ill. Grated horse-radish. 206,321; Nov. 24; Serial No. 216,194; published Sept. 15, 1925.
Kruskal & Kruskal, Inc., New York, N. Y. Manufactured furs for women. 206,164; Nov. 24; Serial No. 214,257; published Aug. 11, 1925.
Kuppenheimer, B., & Co., Inc., Chicago, Ill. Men's and boys' coats, vests, trousers, and overcoats. 206,144; Nov. 24; Serial No. 214,483; published Sept. 15, 1925.
Kuppenheimer, B., & Co., Inc., Chicago, Ill. Men's and boys' flannel coats, vests, and trousers. 206,294; Nov. 24; Serial No. 214,487; published Sept. 15, 1925.
L. A. Sea Food Packing Co., East San Pedro, Calif. Canned fish. 206,334; Nov. 24.
Lancaster Canning Company, Lancaster, Wis. Canned peas and corn. 206,317; Nov. 24; Serial No. 216,415; published Sept. 15, 1925.
"La Rosario" (S. A.), Santander, Spain. Shaving and toilet soaps. 206,021; Nov. 24; Serial No. 202,398; published Sept. 8, 1925.
Lasky, J. & S., Newark, N. J. Monthly class paper. 206,075; Nov. 24; Serial No. 209,042; published Sept. 1, 1925.
Lee-Ray Auto Products Co., (Not Inc.) (See Mott, Lee F.)
Lee Rubber and Tire Corporation, New York, N. Y. Automobile truck tires. 206,230; Nov. 24; Serial No. 217,404; published Sept. 15, 1925.
Lehmaier, Louis A., New York, N. Y. Writing paper. 50,550; renewed Mar. 20, 1926.
Leonforte, Andrew, New York, N. Y. Canned barley malt. 206,331; Nov. 24.
Levin, Samuel, doing business as Levin Brush Co., Newark, N. J. Toothbrushes. 206,091; Nov. 24; Serial No. 215,935; published Sept. 15, 1925.
Life Savers, Inc., Port Chester, N. Y. Cigars, cigarettes, tobacco. 206,029; Nov. 24; Serial No. 213,904; published Sept. 15, 1925.
Lightfoot, Frank. (See Upton, George M.)
Lindsey-McMillan Co., Milwaukee, Wis. Soaps, cotton-seed soap stocks, and sweeping compounds. 206,151; Nov. 24; Serial No. 209,928; published Sept. 8, 1925.
Link Belt Company, Chicago, Ill. Grease cups. 206,187; Nov. 24; Serial No. 217,471; published Sept. 15, 1925.
Linwood, Charles E., doing business as Linwood & Co., San Francisco, Calif. Fresh lettuce packed in crates. 206,297; Nov. 24; Serial No. 214,966; published Sept. 15, 1925.
Loft, Incorporated, New York, N. Y. Candy. 206,133; Nov. 24; Serial No. 216,552; published Sept. 15, 1925.
Loft, Inc., New York, N. Y. Candy. 206,194–6; Nov. 24; Serial Nos. 218,067–9; published Sept. 8, 1925.
Longley, C. E., Company, The, New Haven, Conn. Men's and boys' overcoats, suits, vests, hats, etc. 206,288; Nov. 24; Serial No. 212,938; published Sept. 15, 1925.
Lord and Burnham Company, Irvington-on-Hudson, N. Y. Greenhouse-ventilating apparatus. 206,248; Nov. 24; Serial No. 217,350; published Sept. 8, 1925.
Lorraine Manufacturing Co., Pawtucket, R. I. Silk fabric in the piece. 206,174; Nov. 24; Serial No. 218,265; published Sept. 15, 1925.
Lupton's, David, Sons Company, Philadelphia, Pa. Metal shelving. 206,264; Nov. 24; Serial No. 217,570; published Sept. 15, 1925.
Macfadden Publications Incorporated, New York, N. Y. Monthly trade periodical. 206,113; Nov. 24; Serial No. 217,719; published Sept. 8, 1925.
Macfadden Publications Incorporated, New York, N. Y. Monthly magazine. 206,289; Nov. 24; Serial No. 212,939; published Sept. 15, 1925.
Maggio, Alex J., doing business as Imperial Malt Co., Chicago, Ill. Malt extract for food purposes. 206,293; Nov. 24; Serial No. 214,173; published Sept. 15, 1925.
Mah-Jongg Sales Company of America, The, San Francisco, Calif., assignor to Parker Brothers, Inc., Salem, Mass. Game. 206,024; Nov. 24; Serial No. 176,488; published July 22, 1924.
Maltose Laboratories, Inc., The, New Orleans, La. Malt and hop sirup. 206,090; Nov. 24; Serial No. 215,936; published Sept. 8, 1925.
Mammoth Spring Canning Co., Templeton, Wis. Canned peas. 206,178; Nov. 24; Serial No. 218,193; published Sept. 15, 1925.
Manitou Mineral Springs Company, The, assignor to Manitou Mineral Water Company, Manitou, Colo. Mineral-spring water. 48,237; renewed Dec. 19, 1925.
Manitou Mineral Springs Company, assignor to Manitou Mineral Water Company, Manitou, Colo. Natural mineral water. 49,171; renewed Jan. 23, 1926.
Manville Jenckes Company, Pawtucket, R. I. Draperies and upholsteries in the piece. 206,171; Nov. 24; Serial No. 218,364; published Sept. 15, 1925.
Marcey, John, New Orleans, La. Food product. 206,328; Nov. 24.
Marks & Sons Co., Inc., New Orleans, La. Green coffee. 206,161; Nov. 24; Serial No. 213,908; published Sept. 15, 1925.
Mayer, F., Boot & Shoe Co., Milwaukee, Wis. Leather boots and shoes. 50,129; renewed Mar. 6, 1926.
Mayer & Loewenstein; Mayer & Loewenstein, New York, N. Y., successor. Varnishes and japans. 49,042; renewed Jan. 23, 1926.
McDonald, J. G., Chocolate Co., Salt Lake City, Utah. Candy. 206,193; Nov. 24; Serial No. 218,073; published Sept. 8, 1925.
McDougall, Maud, Washington, D. C. Nom de plume for newspaper sections. 206,156; Nov. 24; Serial No. 206,797; published Sept. 8, 1925.
McKenny & Waterbury Company, Boston, Mass. Chandeliers and brackets. 47,543; renewed Nov. 7, 1925.
Mengel Company, The, Louisville, Ky. Plywood and veneered lumber. 206,261; Nov. 24; Serial No. 217,227; published Sept. 8, 1925.
Merriam, Edward J., doing business as The Mersol Co., Cranford, N. J. Cleansing preparation that may be used without water. 206,085; Nov. 24; Serial No. 216,420; published Aug. 25, 1925.
Mersol Co., The. (See Merriam, Edward J.)
Meyering, J. V., Trunk Company, Chicago, Ill. Hatboxes and suitcases. 206,051; Nov. 24; Serial No. 216,623; published Sept. 1, 1925.
Minneapolis Knitting Works, Minneapolis, Minn. Infants' and children's knitted underwear, sleeping garments, shirts, and bands, etc. 206,296; Nov. 24; Serial No. 214,881; published Sept. 15, 1925.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and paper. 206,182; Nov. 24; Serial No. 217,944; published Sept. 15, 1925.
Monroe Drug Co., Unionville, Mo., assignor to Monroe Drug Co., Quincy, Ill. Preparation for coloring butter. 47,472; renewed Nov. 7, 1925.
Monroe, Lederer & Taussig, Philadelphia, Pa. Dry and ready-mixed paint, paint enamels, stains, and varnishes. 206,016–17; Nov. 24; Serial Nos. 210,003–4; published Aug. 4, 1925.
Moorman Mfg. Co., Quincy, Ill. Prepared stock feed. 206,336; Nov. 24.
Moto-Mower Company, The, Detroit, Mich. Lawn mowers. 206,344; Nov. 24.
Mott, Lee F., doing business as Lee-Ray Auto Products Co. (Not Inc.), Cincinnati, Ohio. Automobile accessories. 206,147; Nov. 24; Serial No. 213,590; published Aug. 25, 1925.
Mountain City Mill Co., Inc., Chattanooga, Tenn. Cream meal. 206,089; Nov. 24; Serial No. 215,991; published Sept. 8, 1925.
Muco-Solvent Mfg. Co. (See Rice, Miller W.)
N. V. Nederlandsche Kunstzijdefabriek, Arnhem, Netherlands. Artificial-silk yarns. 206,274; Nov. 24; Serial No. 205,080; published Sept. 15, 1925.
National Gum & Mica Company, New York, N. Y. Booklets. 206,050; Nov. 24; Serial No. 216,557; published Sept. 1, 1925.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 206,059; Nov. 24; Serial No. 216,924; published Sept. 8, 1925.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 206,066; Nov. 24; Serial No. 212,282; published Sept. 1, 1925.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 206,068; Nov. 24; Serial No. 211,863; published Sept. 1, 1925.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 206,069–70; Nov. 24; Serial Nos. 211,860–1; published Sept. 1, 1925.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 206,071; Nov. 24; Serial No. 211,694; published Sept. 8, 1925.
NEA Service, Inc., Cleveland, Ohio. Periodical publication. 206,149; Nov. 24; Serial No. 211,862; published Sept. 8, 1925.
New Orleans Coffee Co. Ltd., New Orleans, La. Coffee. 50,446; renewed Mar. 20, 1926.
New York Appetizer Company, The, Cleveland, Ohio. Sturgeon, bloaters, whitefish, etc. 206,243; Nov. 24; Serial No. 212,286; published 23, 1925
New York Merchandise Company, New York, N. Y. Hair nets. 206,177; Nov. 24; Serial No. 218,198; published Sept. 15, 1925.
Noe' Industrie Vinicole Italiane I. V. I. Di Savoretti Giuseppe. (See Savoretti, Giuseppe.)
Northern Machinery Co., Minneapolis, Minn. Oil burners. 206,235; Nov 24; Serial No. 217,632; published Sept. 15, 1925.
Norwich Paint Company, Norwich, N. Y. Ready-mixed paints; 206,036; Nov. 24; Serial No. 215,217; published Aug. 25, 1925.
Nufuel Burner Company, The, Erie, Pa. Oil and gas burning appliances, apparatus, and equipment. 206,239; Nov. 24; Serial No. 192,853; published Sept 8, 1925.
O-Mint-O Co., The, Davenport, Iowa. Beverage composed of sirup and flavoring. 206,052; Nov. 24; Serial No. 216,632; published Sept. 15, 1925.
Oberman, D. M., Mfg. Co., Jefferson City, Mo. Work shirts and blouses, flannel shirts and blouses, trousers, overalls, and jackets. 206,271; Nov 24; Serial No. 201,772; published Sept. 15, 1925.



Oil Country Specialties Mfg. Co., The, Coffeyville, Kans. Sand reels. 206,179; Nov. 24; Serial No. 218,077; published Sept. 8, 1925.
Okonite Company, Limited, The, New York, N. Y., assignor to The Okonite Company, Passaic, N. J. Electric conductors. 46,162; renewed Sept. 5, 1925.
Old Ben Coal Corporation, Chicago, Ill. Coal. 206,231–2; Nov. 24; Serial Nos. 217,415–16; published Sept. 15, 1925.
Original Trenton Cracker Co. (See Cartlidge, Christopher.)
Osgood, Harry W., Athol, Mo. Soap pastes. 206,077; Nov. 24; Serial No. 207,671; published Aug. 25, 1925.
Palmolive Company, The, Chicago, Ill. Soap. 206,184; Nov. 24; Serial No. 217,796; published Sept. 15, 1925.
Parfumerie Roger & Gallet, Paris, France. Soaps, soap pastes, and powders. 206,081; Nov. 24; Serial No. 199,083; published Aug. 25, 1925.
Parfumerie Roger & Gallet, Paris, France. Soaps, soap pastes, and soap powders. 206,082; Nov 24; Serial No. 199,081; published Sept. 1, 1925.
Parker Brothers, Inc. (See Mah-Jongg Sales Company of America, assignor.)
Pedox Produx, Inc., New York, N. Y. Shoe brushes, daubers, and polishers. 206,119; Nov. 24; Serial No. 217,294; published Sept. 15, 1925.
Pedox Produx, Inc., New York, N. Y. Sole leather. 206,229; Nov. 24; Serial No. 217,292; published Sept. 8, 1925.
Pellino, Luigi, New York, N. Y. Olive oil. 206,268; Nov. 24; Serial No. 199,759; published Sept. 15, 1925.
Perk-O-Lator Coffee Pots, Inc., New York, N. Y. Beverages sold as soft drinks. 206,074; Nov. 24; Serial No. 209,690; published Sept. 8, 1925.
Personeni, Joseph, Inc., New York, N. Y. Toilet soaps and antiseptic soaps. 206,055; Nov. 24; Serial No. 216,693; published Aug. 25, 1925.
Pfeiffer Chemical Company, New York, N. Y. Dog and veterinary soap. 206,338; Nov. 24.
Philadelphia Watch Case Co., Riverside, N. J.; The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., successor. Watches, watchcases, and watch movements. 49,483; renewed Feb. 6, 1926.
Philadelphia Watch Case Co., Riverside, N. J.; The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., successor. Watches, watchcases, and watch movements. 49,538; renewed Feb. 6, 1926.
Philipson, Philip, Stockholm, Sweden. Soap powder. 206,140; Nov. 24; Serial No. 214,740; published Sept. 8, 1925.
Phillips Brothers, Baltimore, Md. Beverages sold as soft drinks. 206,027; Nov. 24; Serial No. 213,594; published Sept. 8, 1925
Phillips Brothers, Baltimore, Md. Malt beverages. 206,146; Nov. 24; Serial No. 213,593; published Sept. 15, 1925.
Pierce, S. S., Co., Boston, Mass. Cigars. 48,830; renewed Jan. 16, 1926.
Pierce, S. S., Co., Boston, Mass. Cigars. 49,391–2; renewed Feb. 6, 1926.
Pinkham Holdings Co., Los Angeles, Calif. Fresh grapes. 206,175; Nov. 24; Serial No. 218,330; published Sept. 15, 1925.
Pinkham Holdings Co., Los Angeles, Calif. Fresh grapes. 206,311; Nov. 24; Serial No. 216,932; published Sept. 15, 1925.
Port Huron Sulphite & Paper Co., Port Huron, Mich. Sulphite, twisting, and converting papers, papers for drinking cups, fruit wraps. 206,019; Nov. 24; Serial No. 207,759; published Sept. 15, 1925.
Postum Cereal Co., Limited, Battle Creek, Mich., assignor to Postum Cereal Company, Incorporated, Battle Creek, Mich., and New York, N. Y. Candy. 49,913; renewed Feb. 20, 1926.
Quaker City Chocolate & Confectionery Company, Philadelphia, Pa. Candy. 206,192; Nov. 24; Serial No. 218,082; published Sept. 8, 1925.
Quick Finish Product Company, Clarksburg, W. Va. 206,329; Nov. 24.
Quigley Furnace Specialties Company, Inc., New York, N. Y. Bituminous compound for the protection of metal against corrosion. 206,244; Nov. 24; Serial No. 215,022; published Sept. 15, 1925.
Quinebaug Company, The, Danielson, Conn. Cotton piece goods. 206,313; Nov. 24; Serial No. 216,846; published Sept. 15, 1925.
Reardon Company, The, St. Louis, Mo. Paint for cement in dry powder form. 206,202; Nov. 24; Serial No. 216,694; published Aug. 11, 1925.
Redlands Select Groves, Inc., Redlands, Calif. Fresh citrous fruits. 206,106; Nov. 24; Serial No. 217,967; published Sept. 8, 1925.
Red Star Milling Company, The, Wichita, Kans. Self-riding wheat flour. 206,226; Nov. 24; Serial No. 215,179; published Sept. 1, 1925.
Remington Arms Company. (See Union Metallic Cartridge Company, assignor.)
Reymer Brothers Incorporated, Pittsburgh, Pa. Candy. 49,486; renewed Feb. 6, 1926.
Reynolds, Alonzo G., San Francisco, Calif. Concrete walls and forms. 206,265; Nov. 24; Serial No. 217,582; published Sept. 15, 1925.
Rice, Miller W., doing business as Muco-Solvent Mfg. Co., Kansas City, Mo. Washing powder for laundry use. 206,076; Nov. 24; Serial No. 208,161; published Sept. 8, 1925.
Richardson, Eri H., San Francisco, Calif. Tiles. 206,240; Nov. 24; Serial No. 194,024; published Sept. 8, 1925.
Riley, J. M., Fruit Co., Covina, Calif. Oranges, lemons, and grapefruit. 206,310; Nov. 24; Serial No. 216,939; published Sept. 15, 1925.
Roberts, F. H., Company, Boston, Mass. Candy. 206,178; Nov. 24; Serial No. 218,333; published Sept. 15, 1925.
Robnett, John D., & Sons, Chicago, Ill. Soap. 206,037; Nov. 24; Serial No. 215,269; published Aug. 25, 1925.
Roos, Benjamin, doing business as B. Roos & Co., Berlin, Germany. Core binders. 206,283; Nov. 24; Serial No. 212,506; published Sept. 1, 1925.
Rothschild & Sons, Inc., Kansas City, Mo. Men's full-dress and tuxedo suits. 206,126; Nov. 24; Serial No. 217,231; published Sept. 15, 1925.
Roubaix Mills, Inc., New York, N. Y. Wool piece goods. 206,301; Nov. 24; Serial No. 215,885; published Sept. 15, 1925.
Rubsam & Horrmann Brewing Company, Stapleton, N. Y. Near beer. 206,148; Nov. 24; Serial No. 212,640; published Sept. 15, 1925.
Rumford Chemical Works, Providence, R. I. Yeast powder. 50,290; renewed Mar. 6, 1926.
Ruppert, Jacob, Inc., New York, N. Y. Near beer. 206,129; Nov. 24; Serial No. 216,940; published Sept. 15, 1925.
Russell & Erwin Manufacturing Company, assignor to The American Hardware Corporation, New Britain, Conn. Locks and keys. 49,349; renewed Jan. 30, 1926.
Safeway Stores, Incorporated, Los Angeles, Calif. Brooms. 206,116; Nov. 24; Serial No. 217,583; published Sept. 15, 1925.
Sanger Bros., Waco, Dallas, and Fort Worth, Tex., and New York, N. Y. Hosiery, bathing suits, underwear, etc. 206,015; Nov. 24; Serial No. 211,055; published Aug. 4, 1925.
Savoretti, Giuseppe, doing business as Noe' Industrie Vinicole Italiane I. V. I. Di Savoretti Giuseppe, Turin, Italy. Wines. 206,272; Nov. 24; Serial No. 203,889; published July 21, 1925.
Scher, George, doing business as Weber & Scher Mfg. Co., Newark, N. J. Production machines and tools—namely, coil-winding machines, etc. 206,155; Nov. 24; Serial No. 208,872; published Apr. 14, 1925.
Schulz, Fritz, Jun., Aktiengesellschaft, Leipsig, Germany, and Lincoln, N. J.; Fritz Schulz Jun., Aktiengesellschaft, Leipzig, Germany. Preparations for cleaning, polishing, and preserving. 48,778; renewed Jan. 16, 1926.
Schulz, Fritz, Jun., Aktiengesellschaft, Leipsig, Germany, and Lincoln, N. J.; Fritz Schulz Jun. Aktiengesellschaft, Leipzig, Germany. Cleaning and polishing preparations. 48,817; renewed Jan. 16, 1926.
Schutter-Johnson Candy Co., Chicago, Ill. Cigars. 206,191; Nov. 24; Serial No. 218,089; published Sept. 8, 1925.
Scientific Appliance Co. (See Bernwall, Arthur E.)
Scott-Sullivan Paint Co., St. Louis, Mo. Ready-mixed house paints, colors in oil, enamels, etc. 206,200; Nov. 24; Serial No. 216,564; published Aug. 11, 1925.
Scott-Sullivan Paint Co., St. Louis, Mo. Paste white paint. 206,201; Nov. 24; Serial No. 216,565; published Aug. 11, 1925.
Scott-Sullivan Paint Co., St. Louis, Mo. Ready-mixed and paste paints, varnishes, stains, enamels, and shellacs. 206,203; Nov. 24; Serial No. 216,563; published Aug. 11, 1925.
Self-Controlled Air Cushion Company Limited, The, Manchester, England. Air beds, cushions, and seats made of rubber. 206,303; Nov. 24; Serial No. 215,535; published Sept. 1, 1925.
Semon Bache & Company, New York, N. Y. Sheet and picture glass. 48,250; renewed Dec. 19, 1925.
Service Grocer Co., Inc., Detroit, Mich. Canned foods, coffee, tea, etc. 206,316; Nov. 24; Serial No. 216,481; published Sept. 15, 1925.
Shibuya, George K., Sacramento, Calif. Fresh lettuce, tomatoes, spinach, and celery. 206,172; Nov. 24; Serial No. 218,338; published Sept. 15, 1925.
Simonds Orange Co., Redlands, Calif. Fresh citrous fruits. 206,105; Nov. 24; Serial No. 217,966; published Sept. 8, 1925.
Simons, Ernest, Mfg. Co., Port Chester, N. Y. Night-shirts and pyjamas. 206,269; Nov. 24; Serial No. 200,159; published Sept. 15, 1925.
Sipe, James B., & Co., Allegheny; James B. Sipe & Co., Pittsburgh, Pa. Painting, staining, and graining oil. 49,863; renewed Feb. 20, 1926.
Sippel, Budd B., Waterloo, Iowa. Flexible gates. 206,263; Nov. 24; Serial No. 217,304; published Sept. 8, 1925.
Smith-Alsop Paint and Varnish Company, Terre Haute, Ind. Paste and ready-mixed paints. 206,095; Nov. 24; Serial No. 215,480; published Aug. 18, 1925.
Smith & Hemenway Company, Utica and New York, N. Y., assignor to Smith & Hemenway Company, Inc., Irvington, N. J., and New York, N. Y. Nail pullers. 46,966; renewed Oct. 17, 1925.

Smith-Jackson Co., Newcastle, Ind. Canned apricots, cherries, apples, tomatoes, etc. 206,094; Nov. 24; Serial No. 215,481; published Sept. 15, 1925.
Smith, James P., & Company New York, N. Y. Castile soap. 206,138; Nov. 24; Serial No. 214,982; published Sept. 8, 1925.
Société des Réchauffeurs d'Air Airéco, Paris, France. Air-heating apparatus for the preheating of combustion air. 206,262; Nov. 24; Serial No. 217,284; published Sept. 8, 1925.
Sorokowski, Joseph, Oak Park, Ill. Medicine for womb disorders and sexual debility. 206,079; Nov. 24; Serial No. 203,909; published July 28, 1925.
South Texas Cotton Oil Company, Houston, Tex. Vegetable shortening. 206,198; Nov. 24; Serial No. 218,024; published Sept. 8, 1925.
Standard Tool Company, The, Cleveland, Ohio. Twist drills. 49,921; renewed Feb. 20, 1926.
Standard Tool Company, The, Cleveland, Ohio. Milling cutters. 49,922; renewed Feb. 20, 1926.
Standard Tool Company, The, Cleveland, Ohio. Reamers. 49,982; renewed Feb. 27, 1926.
Standard Tool Company, The, Cleveland, Ohio. Taps. 49,983; renewed Feb. 27, 1926.
Standard Underground Cable Company, Pittsburgh, Pa. Insulating compound. 49,876; renewed Feb. 20, 1926.
Star Pin Company, The, Shelton, Conn. Hooks and eyes. 49,744; renewed Feb. 13, 1926.
Star-Service Hanger Co., Detroit, Mich. Garment hangers. 206,254; Nov. 24; Serial No. 200,017; published Sept. 15, 1925.
Steeldraulic Brake Corporation, Detroit, Mich. Vehicle brakes and parts thereof. 206,233; Nov. 24; Serial No. 217,424; published Sept. 15, 1925.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 47,775; renewed Nov. 21, 1925.
Stevens, Chas. A., & Bros., Chicago, Ill. Knit underwear and hosiery. 48,652; renewed Jan. 9, 1926.
Stewart, Frank H., Electric Company, Philadelphia, Pa., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Socket bushings for electric fixtures. 49,855; renewed Feb. 20, 1926.
Strohmeyer & Arpe Company, New York, N. Y. Canned salmon. 206,107; Nov. 24; Serial No. 217,904; published Sept. 8, 1925.
Structural Slate Co., The, Pen Argyl, Pa. Enameled and painted slate products. 206,259; Nov. 24; Serial No. 216,233; published Sept. 15, 1925.
Stuart, George A., Spokane, Wash. Cereal breakfast food. 206,034; Nov. 24; Serial No. 214,289; published Sept. 8, 1925.
Sultan Drug Co., St. Louis, Mo. Cardiac tonics and remedies for heart diseases. 46,866; renewed Oct. 10, 1925.
Sussman, Wormser & Co., San Francisco, Calif. Canned pineapple. 206,166; Nov. 24; Serial No. 218,580; published Sept. 15, 1925.
Sutter Co-Operative Growers, San Francisco, Calif. Canned fruits and vegetables. 206,189–90; Nov. 24; Serial Nos. 218,092–3; published Sept. 8, 1925.
Swaty, Franziska B., doing business as Franz Swaty, Maribor, Yugoslavia. Abrasive stones and polishing stones. 206,053; Nov. 24; Serial No. 216,647; published Aug. 25, 1925.
Swaty, Franziska B., doing business as Franz Swaty, Maridor, Yugoslavia. Abrasive and polishing stones. 206,132; Nov. 24; Serial No. 216,646; published Sept. 8, 1925.
Szécsy, Elizabeth, doing business as Elizabeth-Miracle Fireless Self-Cooker Mfg. Co., Brooklyn, N. Y. Fireless cookers. 206,257; Nov. 24; Serial No. 215,715; published Sept. 15, 1925.
Tennis, William J., Oelwein, Iowa. Liquid preparation used as a paint and varnish remover. 206,309; Nov. 24; Serial No. 217,055; published Sept. 1, 1925.
Tin Decorating Company of Baltimore. (See Johnson, William H., assignor.)
Triangle Cheese Company, Monroe, Wis. Cheese. 206,020; Nov. 24; Serial No. 204,941; published May 19, 1925.
Union Canning Company, Stavanger, Norway, and Chicago, Ill. Canned sardines. 206,162–3; Nov. 24; Serial Nos. 193,642–3; published Sept. 15, 1925.
Union Metallic Cartridge Company, The, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., Illion and New York, N. Y. Gun and pistol cartridges and parts thereof. 49,500; renewed Feb. 6, 1926.
Unishear Company, The, New York, N. Y. Power-driven shears. 206,135; Nov. 24; Serial No. 215,665; published Sept. 15, 1925.
United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 206,046; Nov. 24; Serial No. 217,119; published Sept. 8, 1925.
Unity Food Packers, Inc., Webster, N. Y. Vinegar, mustard, tomato catchup. 206,025; Nov. 24; Serial No. 212,582; published Sept. 8, 1925.
Unity Food Packers, Inc., Webster, N. Y. Vinegar and tomato catchup. 206,285; Nov. 24; Serial No. 212,581; published Sept. 15, 1925.
Upton, George M. Bolivar; Frank Lightfoot, St. Louis, Mo., successor. Liver regulator and blood purifier. 46,945; renewed Oct. 17, 1925.
Vance Knitting Co., Kernersville, N. C. Hosiery. 206,270; Nov. 24; Serial No. 200,911; published Sept. 15, 1925.
Varnish Life Company. (See Wild, Harold F.)
Veness, Roy P., Webster Groves, Mo. Liquid polishing composition for furniture, automobiles, etc. 206,096; Nov. 24; Serial No. 215,427; published Aug. 18, 1925.
Wachs, Adolph, Philadelphia, Pa. Butter. 206,065; Nov. 24; Serial No. 212,809; published Sept. 8, 1925.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Hosiery. 206,127–8; Nov. 24; Serial Nos. 216,952–3; published Sept. 15, 1925.
Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Schonau, near Chemnitz, Germany. Typewriters, address-printing machines, etc. 206,341; Nov. 24.
Watson, Paul E., Salisbury, Md. Cigars. 50,086; renewed Mar. 6, 1926.
Weber & Scher Mfg. Co. (See Scher, George.)
West Disinfecting Company, New York, N. Y. Sweeping compound. 206,122; Nov. 24; Serial No. 217,237; published Aug. 25, 1925.
West & Tuell, Bisbee, Ariz. Chewing gum. 206,314; Nov. 24; Serial No. 216,704; published Sept. 15, 1925.
Wheeler, Albert G., New York, N. Y. Paper issued daily. 206,114; Nov. 24; Serial No. 217,690; published Sept. 8, 1925.
Wild, Harold F., doing business as Varnish Life Company, Irvington, N. J. Automobile polish. 206,010; Nov. 24; Serial No. 213,870; published Aug. 18, 1925.
Willemetz, Lucien, Paris, France. Porcelain and earthenware vases. 206,237; Nov. 24; Serial No. 217,844; published Sept. 15, 1925.
Williams, William G., doing business as Williams Chocolate Company, Denver, Colo. Chocolate-coated nuts and fruits. 206,078; Nov. 24; Serial No. 210,696; published Aug. 25, 1925.
Wilson, Leo D., Charlotte, N. C. Automobile enamel. 206,014; Nov. 24; Serial No. 212,843; published Aug. 18, 1925.
Wolff, Asher, New York, N. Y. Baby bibs. 206,825; Nov. 24; Serial No. 215,672; published Sept. 15, 1925.
Young, Wilbur F.; W. F. Young, Inc., Springfield, Mass., successor. Hoof dressing. 50,029; renewed Feb. 27, 1926.

## ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Allen, G. W., Co., Tacoma, Wash. Windobrite. For a Polish. 29,521; Nov. 24.
Aurine Remedy Co., Chicago, Ill. Aurine. For Ear Remedy. 29,522; Nov. 24.
Bonnet, Roy, Akron, Ohio. Old Glory Malt Syrup. For Malt Sirup. 29,523; Nov. 24.
Bourke, Jas. W., Baltimore, Md. Celery Phos. For Non-alcoholic Drink. 29,524; Nov. 24.
Boyd, Katie E., Rosebland, Va. Blue Ridge Brand. For Apples. 29,525; Nov. 24.
Brewster, E. W., Bakersfield, Calif. Gray-Apes. For Fresh Grapes. 29,526; Nov. 24.
Castro, Manuel N., San Antonio, Tex. Royal Original Flavored Toothpicks. For Toothpicks. 29,527; Nov. 24.
Cirese, Joachim P., doing business as Cirese Bros. & Co., Chicago, Ill. Palo Verde. For Grapes. 29,528; Nov. 24.
Citrus Products Corporation, Los Angeles, Calif. Ripe-Fru. For Orange Juice. 29,529; Nov. 24.
Consumers Wholesale Supply Co., Minneapolis, Minn. Constans. For Canned Peas. 29,530; Nov. 24.
Davenport Bros., Chattanooga, Tenn. Blue Jay. For Hosiery. 29,531; Nov. 24.
De Montemar, C. H., Crowley, Colo. Silver State. For Fresh Melons. 29,532; Nov. 24.
Douglas Manufacturing Company, Kansas City, Mo. Silver Moss Tinsel. For Christmas-Tree Decoration. 29,533–4; Nov. 24.
Epstein, Harry, Milwaukee, Wis. Epto. For Drugs, Medicines, and Medicinal Products. 29,535; Nov. 24.
Fort Wayne Engineering & Manufacturing Co., Fort Wayne, Ind. Heart of the Home. For Soft-Water Generators. 29,536; Nov. 24.
Fraim, E. T., Lock Co., The, Lancaster, Pa. Spare Rim Tire Carrier Spare Disc Wheel Carrier. For Padlocks. 29,537; Nov. 24.
Fuller-Morrisson Company, Chicago, Ill. Morosan. For Moth Balls. 29,538; Nov. 24.
Gilmore Oil Company, Los Angeles, Calif. Gilmore Gasoline Monarch of All. For Gasoline. 29,539; Nov. 24.



Glaser, Crandell Co., Chicago, Ill. Bred Spred. For Preparation of Fruit and Sugar Similar To Preserves, but Made with an Apple Base in Addition to the Flavoring Fruit. 29,540; Nov. 24.
Glidden Company, The, Cleveland, Ohio. Lacq. For Lacqueroid. 29,541; Nov. 24.
Graber, Earl J., Columbus, Ohio. Ya-Lo The Football Card Game. For Game. 29,542; Nov. 24.
Guilmette, Charles W., doing business as The Guilmette Manufacturing Co., Dover, N. H. Brilliant X. For Ammonia. 29,543; Nov. 24.
Harris, Abe, Dallas, Tex. Japanese. For Finger-Nail Polish. 29,544; Nov. 24.
Heathcote, Edward, New York, N. Y. Pickwick Hose. For Hose and Hosiery. 29,545; Nov. 24.
Higbee Company, The, Cleveland, Ohio. Weymouth. For Sheets and Pillowcases. 29,546; Nov. 24.
Hollenbeck, James W., Clarksburg, Calif. Mill. For Asparagus. 29,547; Nov. 24.
Hyland, Richard C., doing business as Hyland Bag Co., San Francisco, Calif. Diamond H Grain Bag. For Burlap Bags. 29,548; Nov. 24.
Johnson's Bakery. (See Menasha Printing and Carton Company, assignor.)
Kiel Dairy Products Company. (See Menasha Printing and Carton Company, assignor.)
Langlois. (See United Drug Company.)
Madsen, Alfred W., Joliet, Ill. Dairy Maid. For Butter. 29,549; Nov. 24.
Master Cigar Company, Inc., Chicago, Ill. San Alto. For Cigars. 29,550; Nov. 24.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The Portage Dairy Products Company, Ravenna, Ohio. Portage Superior Ice Cream. For Ice Cream. 29,551; Nov. 24.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Johnson's Bakery, De Ridder, La. Delicious. For Bread. 29,552; Nov. 24.
Menasha Printing and Carton Company, Menasha, assignor to Kiel Dairy Products Company, Kiel, Wis. Kiel Fancy Creamery Butter. For Butter. 29,553; Nov. 24.
National Carbon Company, Inc., New York, N. Y. Eveready Pyramid Automotive Brushes. For Brushes for Electrical Machines. 29,554; Nov. 24.
O'My Bottling Syrup Co., also doing business as The O-My Bottling Co., Los Angeles, Calif. River Shannon. For Soft Drink. 29,555; Nov. 24.
Paget, Sam, Bridgeport, Conn. California Pure Barley Malt Extract. For Malt Extract. 29,556; Nov. 24.
Pfeiffer, S., Mfg. Co., St. Louis, Mo. Wild Cherry Honey. For a Medicinal Preparation. 29,557; Nov. 24.
Portage Dairy Products Company. (See Menasha Printing and Carton Company, assignor.)
Pratt-Low Preserving Company, Santa Clara, Calif. Yellow Hammer. For Canned Apricots. 29,558; Nov. 24.
Richards, George, & Company, Chicago, Ill. Hemco Pull Cord Attachment Plugs. For Attachment plugs. 29,559; Nov. 24.
Thompson, Edward B., Spokane, Wash. Thompson's Cold, Grip and Fever Tablets. For Cold Tablets. 29,560; Nov. 24.
United Drug Company, doing business as Langlois, New York, Boston, Mass. Shari. For Beauty Cream. 29,561; Nov. 24.
Washburn Crosby Company, Minneapolis, Minn. Washburn's Pancake Flour. For Pancake Flour. 29,562; Nov. 24.
Wilkes-Barre Maid Candy Company, Inc., Wilkes-Barre, Pa. Bucky Harris. For Candy Bar. 29,563; Nov. 24.
Wish, Fred A., Inc., New York, N. Y. Uncle Wiggily Series. For Phonograph Records. 29,564; Nov. 24.
Wolf, Frank, Brooklyn, N. Y. Rosa Centifolia. For Perfumes. 29,565; Nov. 24.
Wooster Brush Company, The, Wooster, Ohio. This Wooster Brush. For Brushes. 29,566; Nov. 24.

## ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Stores Company, Philadelphia, Pa. Asco Coffee. For Coffee. 8,371; Nov. 24.
Bauerlein, Incorporated, New Orleans, La. Yes! Bananas The Body Builder. For Bananas. 8,372; Nov. 24.
Bernaek, James C., doing business as Douglas Coal Co., Chicago, Ill. Cream of Coal-Coke. For Coal and Coke. 8,373; Nov. 24.
Cluett, Peabody & Co., Troy, N. Y. Downs Was Designed For The Kind Of Man Who Likes To Wear Well-Fitting Clothes. For Collars. 8,374; Nov. 24.
Conrad & Co. Inc., Boston, Mass. Long Life Line. For Hosiery. 8,375; Nov. 24.
Cream of Wheat Co., Minneapolis, Minn. Roger Babson Tells What Proper Diet and Outdoor Life Has Done For Him. For Wheat Breakfast Food. 8,376; Nov. 24.
Cutler Mail Chute Company, Rochester, N. Y. Special U. S. Mail Box Stock Design 2950. For Mail Boxes and Chutes. 8,377; Nov. 24.
Douglas Coal Co. (See Bernaek, James C.)
Gunn Furniture Company, The, Grand Rapids, Mich. It Isn't A 'Lino' Unless It's A Gunn. For Furniture. 8,378; Nov. 24.
H. & M. Neckwear Co., New York, N. Y. Here It Is! Jackie's Bow A Tie For Regular Fellows. For Boys' Bow Ties. 8,392; Nov. 24.
Heinz, H. J., Co., Pittsburgh, Pa. Heinz India Relish With The Accent On The Relish. For India Relish. 8,379; Nov. 24.
Hohner, M., Inc., New York, N. Y. Play A Hohner Harmonica. For Harmonicas. 8,380; Nov. 24.
Jantzen Knitting Mills, Portland, Oreg. Merchandising Helps Jantzen—The Coat To Wear Anywhere. For Knitted Coats. 8,381; Nov. 24.
Mathews, Frederick C., Company, Detroit, Mich. The Banquets Climax. For Ice Cream. 8,382; Nov. 24.
Mathews, Frederick C., Company, Detroit, Mich. A Masterpiece of Confection. For Ice Cream. 8,383; Nov. 24.
Mathews, Frederick C., Company, Detroit, Mich. Fairy Queen. For Ice Cream. 8,384; Nov. 24.
Mathews, Frederick C., Company, Detroit, Mich. Boy and Girl Chasing Rainbow. For Ice Cream. 8,385; Nov. 24.
Mathews, Frederick C., Company, Detroit, Mich. Many Flavors Frostie. For Ice Cream. 8,386; Nov. 24.
Mathews, Frederick C., Company, Detroit, Mich. The Strawberry Frostie. For Ice Cream. 8,387; Nov. 24.
Mathews, Frederick C., Company, Detroit, Mich. A Dessert for Royalty. For Ice Cream. 8,388; Nov. 24.
Mathews, Frederick C., Company, Detroit, Mich. Three Bottle Card. For Milk. 8,389; Nov. 24.
Mathews, Frederick C., Company, Detroit, Mich. An All-Day Cone. For Ice Cream. 8,390; Nov. 24.
Mathews, Frederick C., Company, Detroit, Mich. A Topping Delight. For Ice Cream. 8,391; Nov. 24.
North Bro's M'fg Co., Philadelphia, Pa. Yankee Tools. For Mechanics' Tools. 8,393; Nov. 24.
Price Bros., St. Joseph, Mo. Bermuda. For Onions. 8,394; Nov. 24.
Spertner, Edgar K., doing business as Spertner Novel-Ad Company, Detroit, Mich. Every Day is Sweetheart Day Say It With Candy It's Sweeter. For Candy. 8,395; Nov. 24.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Your Beauty Depends On. For Dental Cream. 8,396; Nov. 24.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Smokers Who Use Squibb's Dental Cream. For Dental Cream. 8,397; Nov. 24.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Your Smile. For Dental Cream. 8,398; Nov. 24.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. What Happens At The Danger Line Every Time You Eat. For Dental Cream. 8,399; Nov. 24.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Three Years Ago. For Dental Cream. 8,400; Nov. 24.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Ask Him. For Dental Cream. 8,401; Nov. 24.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Between the Teeth. For Dental Cream. 8,402; Nov. 24.
Squibb, E. R., & Sons, New York, N. Y. Laboratory Tests Hove Proved That. For Dental Cream 8,403; Nov. 24.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Injury or Disease of the Gums. For Dental Cream. 8,404; Nov. 24.
Stein, A., & Company, Chicago, Ill. If Garters Were Worn Around The Neck You'd Change Them Frequently. For Garters. 8,405; Nov. 24

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Adams, Alfred B., New York, N. Y. Concentrated extract from cod and other animal livers. 221,866; Nov. 24.
Allen, Robert W., doing business as The Allol Medical Specialty Co., Chicago, Ill. Preparation for the treatment of constipation and hemorrhoids. 221,084; Nov. 24.
Allol Medical Specialty Co., The. (See Allen, Robert W.)
Amendt Milling Co., Monroe, Mich. Wheat flour. 214,112; Nov. 24.
American Art Works, Incorporated, The, Coshocton, Ohio. Portable savings banks. 219,468; Nov. 24.
American Caramel Company, York, Pa. Candy. 219,929; Nov. 24.
American Crayon Company, Sandusky, Ohio. Monthly periodicals. 220,389; Nov. 24.
American Leather Finish Co., Boston, Mass. Colorless binding agent for use with pigment finishes in the tanning and finishing of leather. 221,797; Nov. 24.
American Leather Finish Co., Boston, Mass. Pigment finishes for coloring and finishing the surface of leather. 221,798; Nov. 24.
American Milling Company, Peoria, Ill. Dairy feed. 218,151; Nov. 24.
American Sheet and Tin Plate Company, Pittsburgh, Pa. Galvanized-steel sheets. 220,168; Nov. 24.
American Stores Company, Philadelphia, Pa. Ammonia and bluing. 220,823; Nov. 24.
Armand Company, The, Des Moines, Iowa. Face powder. 221,528; Nov. 24.
Armstrong, D., & Co. Inc., Rochester, N. Y. Women's shoes of leather and fabric. 221,689; Nov. 24.
Artisti-Kote Company, Upper Darby, Philadelphia, Pa. Stucco. 221,156; Nov. 24.
Atlas Plywood Corporation, Boston, Mass. Packing and shipping cases, knockdown and furniture boxes, etc. 220,634; Nov. 24.
Aurine Remedy Co., Chicago, Ill. Ear balsam. 221,869; Nov. 24.
Babcock, A. P., Company, New York, N. Y. Face powders, face creams and packs, rouges, perfumes, etc. 221,872; Nov. 24.
Bahnsen, C., & Co., Inc., New York, N. Y. Woven combination silk and wool coating fabrics. 202,544; Nov. 24.
Bahnsen, C., & Co., Inc., New York, N. Y. Woven worsted coating fabrics. 202,545; Nov. 24.
Bahnsen, C., & Co., Inc., New York, N. Y. Woven wool coating fabrics. 202,546; Nov. 24.
Bang Service Stations, Inc., Mount Vernon, assignor to Galena-Signal Oil Co. (of Texas), New York, N. Y. Lubricants. 207,168; Nov. 24.
Beaver Cloak & Suit Manufacturing Co., Portland, Oreg. Misses' and women's cloaks, suits, and dresses. 221,160; Nov. 24.
Beaver Products Company, Inc., The, Buffalo, N. Y. Wall board. 220,106; Nov. 24.
Berliner, Jacob S., New York, N. Y. Merchandise envelopes. 220,016; Nov. 24.
Bernhard Ulmann Co. Inc., New York, N. Y. Aprons. 219,871; Nov. 24.
Big Bill Bottling Company, Winston-Salem, N. C. Nonalcoholic, maltless, carbonated beverages. 209,558; Nov. 24.
Blum, Harry, doing business as Philip Blum Company, Chicago, Ill. Whisky. 217,917; Nov. 24.
Bosch Food Products Co., Peoria, Ill. Malt Extract. 219,221; Nov. 24.
Botkin, H. C., doing business as Red Pep Co., Harriman, Tenn. Beverage sold as a soft drink. 202,791; Nov. 24.
Bouquet-Brownson Co., Inc., St. Paul, Minn. Polish for furniture, woodwork, etc. 219,712; Nov. 24.
Boyd, Arch C., New York, N. Y. Children's play suits in the nature of overalls. 219,710; Nov. 24.
Bromley-Shepard Co., Inc., Lowell, Mass. One-piece underwear. 211,198; Nov. 24.
Bromo-Aspirin Co., Wabash, Ind. Preparation for colds, headaches, and neuralgia. 220,176; Nov. 24.
Buffalo Weaving & Belting Co., Buffalo, N. Y. Woven trunk straps, razor straps, skate straps, and bag straps. 136,391; Nov. 24.
Burke, Una L., doing business as Odorex Laboratories, Oakland, Calif. Deodorants. 218,949; Nov. 24.
Burrow Wholesale Grocer Co., Pocahontas, Ark. Sirup for table purposes, coffee, and cocoa. 215,890; Nov. 24.
Cadmus, Fred F., doing business as The Dallas Hat Manufacturing Company, Dallas, Tex. Women's and children's hats. 220,214; Nov. 24.
California Almond Growers Exchange, San Francisco, Calif. Almond paste composition. 198,285; Nov. 24.
California Land & Products Corp., Oakland, Calif. Fresh grapes. 203,110; Nov. 24.
Calorizing Company, The, Pittsburgh, Pa. Recuperators and air heaters. 187,662; Nov. 24.



Campbell, V. V., Company, The, Oklahoma City, Okla. Flavoring extracts for foods. 221,091; Nov. 24.
Cavalieri, Lina, Neuilly-sur-Seine, France. Toilet and face soaps. 216,710; Nov. 24.
Centerville Gypsum Company, Centerville, Iowa. Agricultural gypsum. 220,110; Nov. 24.
Charland, Victor, Chippewa Falls, Wis. Hair tonic. 219,876; Nov. 24.
Chayes System Laboratories, Inc., New York, N. Y. Grinding or cutting points or wheels such as are used by dentists. 202,856; Nov. 24.
Chayes System Laboratories, Inc., New York, N. Y. Grinding or cutting points such as are used by dentists. 202,857; Nov. 24.
Chayes System Laboratories, Inc., New York, N. Y. Grinding or cutting points or wheels such as are used by dentists. 202,858; Nov. 24.
Chicago Mail Order Company, Chicago, Ill. Cleansing cream, face cream and powder, cuticle remover, etc. 221,877; Nov. 24.
Claxton Chemical Company, Pittsburgh, Pa. Insecticides for dogs and cats. 220,062; Nov. 24.
Clinical Supplies, Incorporated, Pittsburgh, Pa. Vaginal and rectal irrigating apparatus. 229,093; Nov. 24.
Colonial Steel Company, Pittsburgh, Pa. Open-hearth, crucible, and electric steel plates. 221,604; Nov. 24.
Columbia Ribbon Co., The, Paterson, N. J. Hatbands. 220,761; Nov. 24.
Comfort Powder Co., The, Boston, Mass. Hair tonic and shampoo preparations. 221,598; Nov. 24.
Commonwealth Steel Company, St. Louis, Mo. Vehicle parts. 218,051; Nov. 24.
Conde Nast Publications, Inc., The, New York, N. Y. Bimonthly publication. 219,945; Nov. 24.
Continental Baking Company, Wilmington, Del., and Norristown, Pa. Bread. 221,240; Nov. 24.
Crescent Dental Mfg. Co., Chicago, Ill. Alloy for making models and filling of teeth. 218,367; Nov. 24.
Curtiss Candy Co., The, Chicago, Ill. Candy and candy bars. 217,820; Nov. 24.
Dallas Hat Manufacturing Company, The. (See Cadmus, Fred F.)
Dallas Manufacturing Co., The, Huntsville, Ala. Cotton piece goods. 211,985; Nov. 24.
Danda Halpern Co. Inc., New York, N. Y. Linen centerpieces and doilies, scarfs, tablecloths, etc. 220,646; Nov. 24.
Davies, Rose & Co., Ltd., Boston, Mass. Cough medicine. 221,882; Nov. 24.
Delamater, George R., Cleveland, Ohio. Gravimetric testing apparatus and parts thereof. 221,051; Nov. 24.
De Land, Charles M., New York, N. Y. Woolen piece goods. 216,090; Nov. 24.
Del Monte Properties Company, San Francisco, Calif. White sand. 220,836; Nov. 24.
De Zeng Standard Co., Camden, N. J. Eye-examining instruments. 173,627; Nov. 24.
Dodge, F. W., Corporation, New York, N. Y. Daily construction news bulletin. 219,326; Nov. 24.
Doob, M., Sons & Company, New York, N. Y. Cotton and silk-cotton piece goods. 207,859; Nov. 24.
Dr. A. Wander S. A., Berne, Switzerland. Combination of cod-liver oil and malt extract in powder form. 221,862; Nov. 24.
Eckel, Edwin C., Washington, D. C. Cement. 211,908; Nov. 24.
Eckerling Brothers, Chicago, Ill. Overalls and overall jackets. 219,951; Nov. 24.
Economy Service Corporation, Chicago, Ill. Paper napkins. 219,171; Nov. 24.
Electro Dental Manufacturing Co., Philadelphia, Pa. Dental equipment. 220,220; Nov. 24.
Elliott, Greene & Co. Inc., New York, N. Y. Artificial-silk yarn, pure-silk yarn, and cotton yarns and tinsel thread. 221,953; Nov. 24.
Fearing, Whiton & Co. Inc., Boston, Mass. Cotton tablecloths, napkins, table runners, and doilies. 213,704; Nov. 24.
Federal Phosphorus Co., Anniston, Ala. Phosphoric acid, phosphoric-acid paste, monoammonium phosphate, monocalcium phosphate, and trisodium phosphate. 218,618; Nov. 24.
Film Booking Offices of America, Inc., New York, N. Y. Motion-picture films. 220,892; Nov. 24.
Finkelstein, M., & Sons, New York, N. Y. Long pants for boys. 220,116; Nov. 24.
Fiodorowsky, Gregory, Roxbury, Mass. Palliative for intestinal asthma, indigestion, pain and cramps, etc. 220,065; Nov. 24.
Firestone Steel Products Company, The, Akron, Ohio. Vehicle wheels and rims therefor. 202,863; Nov. 24.
Food Flavour Preservation Process, Limited, Leigh-on-Sea, England. Bags made of material impermeable to air. 217,081; Nov. 24.



Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 221,309; Nov. 24.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 221,311; Nov. 24.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 221,697; Nov. 24.
Franken, Eugene H., New York, N. Y. Depilatory. 218,911; Nov. 24.
Franklin Knitting Mills, Inc., New York, N. Y. Woolen sweaters. 212,489; Nov. 24.
Fraser, Emmet F., Los Angeles, Calif. Golf clubs. 219,957; Nov. 24.
Friedr. Herder Abr. Sohn, Solingen, Germany. Knives, clippers, and scissors, etc. 204,449; Nov. 24.
Fruit Valley Corporation, Rochester, N. Y. Compound for making puddings and pies. 202,868; Nov. 24.
G. & G. Kynoch Limited, London, England, and Keith, Scotland. Cloths and stuffs of wool, worsted, and hair. 219,338; Nov. 24.
Galena-Signal Oil Co. (of Texas). (See Bang Service Stations, Inc., assignor.)
Gennert, Alfred G., New York, N. Y. Belts for personal wear. 214,410; Nov. 24.
Gerhardt, Jacob, & Sons, New York, N. Y. Shirts and pyjamas. 210,789; Nov. 24.
Gilpin, Langdon & Company, Incorporated, Baltimore, Md. Insect powder and liquid insecticide. 221,742; Nov. 24.
Globe Soap Company, The, Cincinnati, Ohio. Soap chips. 218,478; Nov. 24.
Gluck & Cohen, New York, N. Y. Ladies' and misses' undergarments made of textile and knitted fabrics. 208,976; Nov. 24.
Golding Fabrics Corporation, New York, N. Y. Piece goods made of silk. 221,413–14; Nov. 24.
Goodell Hill Company, Inc., New York, N. Y. Piece goods consisting of a mixture of cotton and artificial silk. 220,340; Nov. 24.
Gould Cheese Company, Minneapolis, Minn. Sweet-cream cheese. 218,754; Nov. 24.
Grand Rapids Show Case Company, Grand Rapids, Mich. Show cases. 221,607; Nov. 24.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Piece goods made of silk and cotton and mixtures thereof. 212,552; Nov. 24.
Greenberg, Charles, New York, N. Y. Men's shirts and boys' blouses. 221,314; Nov. 24.
Greever, J. V., Lumber Co., Oklahoma City, Okla. Lumber and millwork. 209,573; Nov. 24.
H-A-S Coffee Company, St. Louis, Mo. Teas, spices, flavoring extracts, vinegar, and mustard. 218,483; Nov. 24.
Habenschaden, Peter, New York, N. Y. Food-flavoring extracts. 220,341; Nov. 24.
Hale Company, San Francisco, Calif. Walnuts and peanuts. 216,390; Nov. 24.
Harding, Arthur R., Columbus, Ohio. Monthly magazine. 220,529; Nov. 24.
Harris, Morris, Los Angeles, Calif. Bank checks and deposit books. 218,411; Nov. 24.
Hart, Schaffner & Marx, Chicago, Ill. Men's suits and coats. 221,255; Nov. 24.
Hazzard, C. R., Seattle, Wash. Hosiery. 164,706; Nov. 24.
Heilig Brothers Company, Inc., York, Pa. Wire screen cloth. 221,421; Nov. 24.
Helmholz Shoe Manufacturing Company, Cudahy, Wis. Leather boots and shoes. 220,531; Nov. 24.
Hengerer, William, Company, The, Buffalo, N. Y. Hosiery. 219,427–8; Nov. 24.
Hever Duplicator Company, Inc., The, Chicago, Ill. Letter-duplicating machine. 217,152; Nov. 24.
Hickson-Young Company, Portland, Oreg. Fish bait. 214,959; Nov. 24.
Hiscox Chemical Works, Patchogue, N. Y. Shampoos. 218,700; Nov. 24.
Hollander Bros. Drug Co., Braddock, Pa. Medicinal preparation used as a mouth wash and gargle, also for the treatment of pyorrhea. 221,967; Nov. 24.
Holman, Samuel N., doing business as Interest Bearing Draft Co., New York, N. Y. Drafts, checks, and money orders. 219,393; Nov. 24.
Holst, William H. C., doing business as Remo Chemical Co., Washington, D. C. Antacid and stomach corrective. 208,706; Nov. 24.
Homan, George J., doing business as Waterloo Chemical Laboratories, Waterloo, Iowa. Liquid and tablet treatment for poultry diseases, etc. 216,392; Nov. 24.
Hudnut, Richard, New York, N. Y. Talcum, tooth paste, face powder, cold cream, etc. 221,746; Nov. 24.
Interest Bearing Draft Co. (See Holman, Samuel N.)
Iron Age Publishing Company, New York, N. Y. Catalogue published periodically. 214,421; Nov. 24.
Jarratt, C. D., Company, The, San Antonio, Tex. Fresh Texas spinach. 207,080; Nov. 24.
Jensen, Alexander J., Los Angeles, Calif. Moving pictures. 220,026; Nov. 24.
Johnson Educator Food Company, Cambridge, Mass. Biscuits. 202,993; Nov. 24.
Johnson Furniture Company, Grand Rapids, Mich. Household wooden furniture. 206,413; Nov. 24.
Kansas Flour Mills Company, The, Wichita, Kans. Wheat flour. 220,901; Nov. 24.
Kelsey-Wilton Textile Corporation, New York, N. Y. Cotton piece goods. 218,920; Nov. 24.
Kemp-Booth Company Limited, Seattle, Wash. Woolen goods in the piece. 221,369; Nov. 24.
Kennedy, Walter J., doing business as W. J. Kennedy Publishing Co., New York, N. Y. Publications issued from time to time. 219,670; Nov. 24.
Kentucky Distilleries & Warehouse Co., New York, N. Y. Whisky. 220,855; Nov. 24.
Kle-Nic, Incorporated, New York, N. Y. Nonalcoholic, maltless vegetable-compound beverage containing coffee and sirup for making the same. 189,364; Nov. 24.
Kidd, Belle N., Vancouver, Wash. Bath mitts. 200,452; Nov. 24.
Kistler Leather Company, South Boston, Mass. Leather, tap, and slip soles. 221,623; Nov. 24.
Kitzinger, Harry, doing business as Harry Kitzinger & Company, New York, N. Y. Coats and wraps. 216,839; Nov. 24.
Krone & Jacobson, Inc., New York, N. Y. Silks and silk mixtures in the piece. 214,965; Nov. 24.
Lanvette Fashions, Inc., New York, N. Y. Ladies' dresses, coats, and ensemble suits. 219,249; Nov. 24.
Larrowe Milling Company, The, Detroit, Mich. Poultry feed. 220,195–7; Nov. 24.
Lesser and Oppenheimer Inc., New York, N. Y. Shirts, pyjamas, and blouses. 221,122; Nov. 24.
Liebmann Breweries, Inc., Brooklyn, N. Y. Malt beverages. 203,134; Nov. 24.
Lindsey, Alfred A., doing business as Lindsey Products Company, Chicago, Ill. Toilet preparations. 214,732; Nov. 24.
London Shoe Company, Inc., New York, N. Y. Shoes. 218,070; Nov. 24.
Loudonville Milling Company, The, Loudonville, Ohio. Wheat flour. 220,459; Nov. 24.
Lower & Co. Inc., New York, N. Y. Lip sticks. 216,685; Nov. 24.
Luden, Wm. H., Inc., Reading, Pa. Candy. 202,816; Nov. 24.
Luzon Cigar Co. (See Morgenstern, Louis.)
Lynn Umbrella Mfg. Co., Boston, Mass. Umbrellas. 202,998; Nov. 24.
Macbean, Edward, & Company Limited, Glasgow, Scotland. Coats, jackets, waistcoats, trousers, caps, and hats. 221,125; Nov. 24.
Magnolia Petroleum Company, Galveston and Dallas, Tex. Gasoline. 197,034; Nov. 24.
Mahler, Ernst, Neenah, Wis. Combination shoe horn and shoe form. 221,020; Nov. 24.
Marroquin, Carlos C., San Antonio, Tex. Salve. 220,313; Nov. 24.
Martin-Page Co., Middlesboro, Ky. Garters and overall suspenders. 219,899; Nov. 24.
Marzoll, Andrew, West Hoboken, N. J. Artificial stone. 220,732; Nov. 24.
Massolt Bottling Co., The, Minneapolis, Minn. Ginger ale. 217,940; Nov. 24.
Math-Ol Inflammacine Co., Inc., The, doing business as Ontex Laboratories, Rochester, N. Y. Face cream. 219,900; Nov. 24.
Maury-Cole Company, Memphis, Tenn. Coffee. 221,266; Nov. 24.
McGovern & McGovern, Seattle, Wash. Canned salmon. 221,425; Nov. 24.
Menke, Kaufmann & Co., Inc., New York, N. Y. Silk goods in piece. 218,195; Nov. 24.
Metzger, B., doing business as Portland Hair Co., Portland, Oreg. Pharmaceutical preparation used as a shampoo for the hair. 221,666; Nov. 24.
Meyerhofer & Scharpf Aktiengesellschaft, Zurich, Switzerland. Chemical products for industrial, scientific, and photographic purposes. 221,667; Nov. 24.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton, silk, and linen goods and mixtures of cotton and silk and linen and silk. 220,246; Nov. 24.
Minwax Company, Inc., New York, N. Y., and Chicago, Ill. Asphal product used as coating, waterproofing, roofing, etc. 218,131; Nov. 24.
Miwogco Mineral Well & Sanitarium Co., Milan, Ind. Mineral water. 219,543; Nov. 24.
Model Mill Company, Johnson City, Tenn. Plain wheat and self-rising flour. 219,902; Nov. 24.
Modern Malt Co., Providence, R. I. Malt extracts. 221,493; Nov. 24.
Moore, William F., Glendale, Calif. Girdles, corset garters, brassières, and garters. 219,978; Nov. 24.
Morgan, Waller E., Mount Vernon, N. Y. Metal polish. 202,514; Nov. 24.
Morgenstern, Louis, doing business as The Luzon Cigar Co. Inc., Schenectady, N. Y. Cigars and cigarettes. 220,665; Nov. 24.
Morning Telegraph Company, New York, N. Y. Nom de plume for particular column of news in newspaper. 219,544; Nov. 24.
Morning Telegraph Company, New York, N. Y. Nom de plume for particular column of news in newspaper. 219,546; Nov. 24.

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Morning Telegraph Company, New York, N. Y. Nom de plume for a particular column of news in newspaper. 219,548; Nov. 24.
Mount Joy Chocolate & Confectionery Co., Mount Joy, Pa. Candy. 221,329; Nov. 24.
Mullin, George M., doing business as Mullin Laboratories, San Francisco, Calif. Liquid massage preparation. 220,969; Nov. 24.
Mutual Skirt Co., Inc., The, New York, N. Y. Woolen piece goods. 205,216; Nov. 24.
Nashua Manufg. Company, Nashua, N. H. Cotton piece goods. 219,258; Nov. 24.
National Butchers' and Packers' Supply Association, New York, N. Y. Printed publication issued weekly. 220,735; Nov. 24.
National Fabric and Finishing Company, Boston, Mass. Cotton piece goods and cotton fabrics. 217,412; Nov. 24.
National Stores Corporation, Trenton, N. J. Butter, eggs, and sliced bacon. 204,975; Nov. 24.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 207,511; Nov. 24.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 207,879; Nov. 24.
Negri, Teresina M., Paris, France. Breast supporters, collars, belts, corsets, and hose supporters. 217,285; Nov. 24.
New England Bedding Company, Boston, Mass. Beds, divans, couches, hammocks, and hammock stands. 213,724; Nov. 24.
Nobility Gloves, Inc., New York, N. Y. Gloves of leather and like material. 202,562; Nov. 24.
Nonspi Company, The, Kansas City, Mo. Lotion for use on chapped hands and face and after shaving. 219,300; Nov. 24.
Northwest Chemical & School Supply Co., Spokane, Wash. Floor dressing and liquid polish. 218,663; Nov. 24.
Oatex Laboratories. (See Math-Ol Inflammacine Co., Inc, The.)
Oceano Products Company, Newark, N. J. Compounded medicinal tonic table water. 218,571; Nov. 24.
Odorex Laboratories. (See Burke, Una L.)
Ohio Confection Co., The, Cleveland, Ohio. Candy. 221,198; Nov. 24.
Oklahoma Steel Castings Co., Tulsa, Okla. Steel castings. 216,472; Nov. 24.
Owl Specialty Co., The, Paterson, N. J. Hatbands. 220,796; Nov. 24.
Pacific Coast Biscuit Company, Seattle, Wash. Candy. 218,521; Nov. 24.
Park & Pollard Company, The, Boston, Mass. Poultry feed. 220,862; Nov. 24.
Patent Cereals Company, The, Geneva, N. Y. Wall size. 220,249; Nov. 24.
Pauker Bros., New York, N. Y. Men's hosiery, mufflers, sweaters, ties, and cravats. 212,695; Nov. 24.
Pendergast Candy Company, Minneapolis, Minn. Candy and candy bars. 218,998; Nov. 24.
Penn Leather Company, Philadelphia, Pa. Leather soles, tap soles, and slip soles. 214,973; Nov. 24.
Phairmount Laboratories, Hackensack, N. J. Alkaline and antiseptic mouth, nose, and throat lotion. 221,849; Nov. 24.
Philippe, Louis, Inc., New York, N. Y. Rouge, vanishing cream, tissue cream, cleansing cream, and lemon lotion. 220,034; Nov. 24.
Phillips-Jones Corporation, New York, N. Y. Men's shirts, underwear, and pyjamas. 220,675; Nov. 24.
Pittman, Herbert C., Cotulla, Tex. Green onions. 219,908; Nov. 24.
Plowman, Walter W., London, England. Selective colloidal kaolin for medicinal purposes. 221,850; Nov. 24.
Pond's Extract Company, New York, N. Y. Shampoo. 220,350–60; Nov. 24.
Portland Hair Co. (See Metzger, B.)
Potts, Horace T., & Co., Philadelphia, Pa. Tool steel. 221,506; Nov. 24.
Providence Malt Co., Providence, R. I. Malt extracts. 221,508; Nov. 24.
Providence Malt Co., Providence, R. I. Malt extracts. 221,510; Nov. 24.
Red Pep Co. (See Botkin, H. C.)
Reed, Whitmel H., jr., New Orleans, La. Monthly magazine. 220,468; Nov. 24.
Regun Millinery Company, Inc., Baltimore, Md. Women's and children's hats. 220,322–3; Nov. 24.
Remo Chemical Co. (See Holst, William H. C.)
Rich, Nathan H., & Bro., New York, N. Y. Cotton piece goods, silk piece goods, and mixtures thereof. 221,382; Nov. 24.
Richardson, Hoge E., doing business as Rite-Wa Cleaning Co., Washington, D. C. Cleanser of rugs, draperies, etc. 170,898; Nov. 24.
Richmond Dry Goods Co., Inc., Richmond, Va. Hosiery. 218,829; Nov. 24.
Riggi Bros., Inc., Brooklyn, N. Y. Filled chocolates. 205,712; Nov. 24.
Rite-Wa Cleaning Co. (See Richardson, Hoge E.)
Roberts Remedies Company, The, Frankfort, Ind. Pile remedy in liquid form. 220,088; Nov. 24.
Robinson, Edw. E., New York, N. Y. Paint and varnish brushes. 216,796; Nov. 24.
Rochman, Tobias T., New York, N. Y. Bow ties. 214,034; Nov. 24.
Ruppert, Jacob, Inc., New York, N. Y. Near beer. 220,740; Nov. 24.
Sands Manufacturing Company, The, Cleveland, Ohio. Gas heaters and coils for gas water heaters. 219,998; Nov. 24.
Saxon China Company, The, Sebring, Ohio. Plates, cups, platters, bowls, and other tableware pottery. 221,777; Nov. 24.
Schmid, Julius, Inc., New York, N. Y. Chinese dominoes, dice, poker chips, billiard tables, etc. 206,630; Nov. 24.
Schulze, Erich, Hanover, Germany. Sterilizing solution for local anæsthesia and surgical purposes. 218,337; Nov. 24.
Schuster Company, The, Cleveland, Ohio. Candy. 218,526; Nov. 24.
Shane, Norman A., Evansville, Ind. Horse-collar pads. 220,928; Nov. 24.
Sherman, John H., doing business as Sherman Manufacturing Company, Houston, Tex. Tire-repair kit. 219,647; Nov. 24.
Shook, Guy A., Waco, Tex. Electrically-treated water. 219,412; Nov. 24.
Simms, O., Manufacturing Co., New York, N. Y. Bench and seat cushions. 218,216; Nov. 24.
Skoglund & Olson Mfg. Co., St. Paul, Minn. Combination comb and hairbrush made as a unit. 220,623; Nov. 24.
Smith, Elmer W., Inc., Seattle, Wash. Canned salmon. 221,211; Nov. 24.
Societe en Nom Collectif M. & L. Biette Freres, Nantes, France. Soaps. 213,326; Nov. 24.
Sougelas, Theodore, New York, N. Y. Olive oil. 220,978; Nov. 24.
Spunella Limited, London, England. Silk piece goods. 214,569; Nov. 24.
Stahl, H. K., Company, St. Paul, Minn. Gasoline, kerosene, fuel oil, and distillate. 219,998; Nov. 24.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 218,506; Nov. 24.
Starry & Way, Exeter, Calif. Fresh grapes. 221,389; Nov. 24.
Stein, S., & Co., New York, N. Y. Woolen goods in the piece and in cut lengths. 221,515; Nov. 24.
Stern, L. & H., Inc., Brooklyn, N. Y. Smoking pipes, cigar holders, and cigarette holders. 221,787; Nov. 24.
Stover Manufacturing & Engine Co., Freeport, Ill. Mop-sticks. 215,102; Nov. 24.
Sullivan Company, The, Memphis, Tenn. Compound for use as a cement-paint base. 219,858; Nov. 24.
Sullivan Company, The, Memphis, Tenn. Composition for preserving and waterproofing canvas and cotton duck goods and similar fabrics. 219,861; Nov. 24.
Sullivan Company, The, Memphis, Tenn. Compound for use as a cement-paint base. 219,862; Nov. 24.
Susquehanna Silk Mills, New York, N. Y. Silk piece goods and silk and cotton piece goods. 220,373; Nov. 24.
Susquehanna Silk Mills, New York, N. Y. Silk piece goods. 220,374–5; Nov. 24.
Temple, O., Dyersburg, Tenn. Ointment. 220,980; Nov. 24.
Texas Citrus Fruit Growers Exchange, Mission, Tex. Grapefruit, satsumas, tangerines, oranges, and lemons. 221,147–8; Nov. 24.
Theall & Pile, Inc., New York, N. Y. Nonalcoholic, maltless beverages and extracts and flavors for making the same. 219,864; Nov. 24.
Tiche, Loretta F., doing business as Youthfulform Brassiere Co., New York, N. Y. Brassières, girdles, and combination brassières and girdles. 219,560; Nov. 24.
Tootal Broadhurst Lee Company Limited, Manchester, England. Cotton piece goods. 221,648; Nov. 24.
Townsend Manufacturing Company, Hatfield, Pa. Narrow elastic fabrics. 201,988; Nov. 24.
2-J Soap Co. Inc., Portland, Oreg. Soaps. 216,751; Nov. 24.
United Oil Company, Pittsburgh, Pa. Lubricating oils and greases. 204,287; Nov. 24.
United States Gypsum Company, Chicago, Ill. Plaster boards and plaster wall boards. 221,880; Nov. 24.
Universal Products Co. Inc., The, Detroit, Mich. Universal joints and parts thereof. 219,506; Nov. 24.
Vanderbilt Newspapers, Inc., Miama, Fla. Daily newspaper. 217,488; Nov. 24.
Van Zandt's Inc., Troy, N. Y. Collars. 221,081; Nov. 24.
Wagner, Sebastian B., Mackay, Idaho. Face lotion. 220,098; Nov. 24.
Wagoner, Clifford H., Zanesville, Ohio. Gasoline. 187,890; Nov. 24.
Washburn Crosby Company, Minneapolis, Minn. Wheat flour. 220,813; Nov. 24.



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Waterloo Chemical Laboratories. (See Heman, George J.)
Wellston Iron Furnace Company, The, Jackson, Ohio. Mortar. 221,792; Nov. 24.
Wheeling Steel Corporation, Wheeling, W. Va. Steel sheets and plates. 219,649; Nov. 24.
Wheeling Steel Corporation, Wheeling, W. Va. Iron sheets and plates. 219,650; Nov. 24.
Whiting Leather & Belting Co., Inc., Long Island City, N. Y. Leather belting and rawhide cut lace for leather belting. 211,244; Nov. 24.
Willys-Overland Company, The, Toledo, Ohio. Passenger-carrying automobiles. 211,510; Nov. 24.
Wilson, Thos. E., & Co., Chicago, Ill. Baseball bats. 219,097; Nov. 24.
Windsor Manufacturing Co., Philadelphia, Pa. Woolen piece goods. 221,082; Nov. 24.
Wolverine Brass Works, Grand Rapids, Mich. Ball cocks. 221,524; Nov. 24.
Wurdeman Textile Mills, Inc., Fort Plain, N. Y. Princess and costume slips, boudoir caps. 219,416; Nov. 24.
Youthfulform Brassiere Co. (See Tighe, Loretta F.)

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

## CLASS 1.

Coal. Old Ben Coal Corporation. 206,231–2; Nov. 24; Serial Nos. 217,415–16; published Sept. 15, 1925.
Coke. Ferguson Coal Co. 206,247; Nov. 24; Serial No. 217,214; published Sept. 8, 1925.
Diatomaceous earth or infusorial earth, Materials comprising. Celite Products Co. 206,241; Nov. 24; Serial No. 202,658; published Sept. 15, 1925.
Hops. E. Clemens Horst Co. 206,365; Nov. 24; Serial No. 215,572; published Sept. 15, 1925.
Leather. W. D. Byron & Sons. 47,977; renewed Dec. 5, 1925.
Leather. Joseph N. Eisendrath Company. 49,738–9; renewed Feb. 18, 1926.
Leather. Helburn Thompson Company. 206,306–8; Nov. 24; Serial Nos. 217,084–6; published Sept. 15, 1925.
Leather, Sole. Pedox Produx, Inc. 206,229; Nov. 24; Serial No. 217292; published Sept. 8, 1925.

## CLASS 2.

Bags, Laundry. D. J. Kelman. 206,115; Nov. 24; Serial No. 217,677; published Sept. 8, 1925.
Bags, Paper. Hammond Bag & Paper Co. 206,340; Nov. 24.
Boxes, cartons, cases, and containers, Folding paper. Brown & Bailey Company. 206,047; Nov. 24; Serial No. 216,822; published Sept. 15, 1925.
Oilers and oil cans, Force. Damascus Steel Products Corporation. 206,292; Nov. 24; Serial No. 213,772; published Aug. 25, 1925.
Paper bags. Crown Williamette Paper Company. 206,086; Nov. 24; Serial No. 216,260; published Sept. 15, 1925.

## CLASS 4.

Abrasive and polishing stones. F. B. Swaty. 206,053; Nov. 24; Serial No. 216,647; published Aug. 25, 1925.
Abrasive and polishing stones. F. B. Swaty. 206,132; Nov. 24; Serial No. 216,646; published Sept. 8, 1925.
Abrasive cloth and paper. Minnesota Mining & Manufacturing Company. 206,182; Nov. 24; Serial No. 217,944; published Sept. 15, 1925.
Cleaning and polishing preparations. Fritz Schulz Jun. Aktiengesellschaft. 48,817; renewed Jan. 16, 1926.
Cleaning preparation. E. J. Merriam. 206,085; Nov. 24; Serial No. 216,420; published Aug. 25, 1925.
Dressing for boots and shoes, Liquid. C. L. Hauthaway & Sons, Incorporated. 50,066; renewed Mar. 6, 1926.
Hoof dressing. W. F. Young. 50,029; renewed Feb. 27, 1926.
Preparations for cleaning, polishing, and preserving. Fritz Schulz Jun., Aktiengesellschaft. 48,778; renewed Jan. 16, 1926.
Soap. Richard Hudnut. 206,054; Nov. 24; Serial No. 216,678; published Aug. 25, 1925.
Soap. Johnson & Johnson. 49,381; renewed Feb. 6, 1926.
Soap. Palmolive Company. 206,184; Nov. 24; Serial No. 217,796; published Sept. 15, 1925.
Soap. John D. Robnett & Sons. 206,037; Nov. 24; Serial No. 215,269; published Aug. 25, 1925.
Soap, Castile. James P. Smith & Company. 206,138; Nov. 24; Serial No. 214,932; published Sept. 8, 1925.
Soap, Dog and veterinary. Pfeiffer Chemical Company. 206,338; Nov. 24.
Soap pastes. H. W. Osgood. 206,077; Nov. 24; Serial No. 207,671; published Aug. 25, 1925.
Soap, powder. Citrus Soap Company of California. 206,330; Nov. 24.
Soap powder. James S. Kirk & Company. 206,188; Nov. 24; Serial No. 218,127; published Sept. 8, 1925.
Soap powder. P. Philipson. 206,140; Nov. 24; Serial No. 214,746; published Sept. 8, 1925.
Soap, Toilet. B. Altman & Co. 206,117; Nov. 24; Serial No. 217,491; published Sept. 8, 1925.
Soaps. Hessig-Ellis Drug Company. 206,049; Nov. 24; Serial No. 216,535; published Aug. 25, 1925.
Soaps, cottonseed soap stocks, and sweeping compounds. Lindsay-McMillan Co. 206,151; Nov. 24; Serial No. 209,928; published Sept. 8, 1925.
Soaps, Shaving and toilet. "La Rosario" (S. A.). 206,021; Nov. 24; Serial No. 202,398; published Sept. 8, 1925.
Soaps, soap pastes and powders. Parfumerie Roger & Gallet. 206,081; Nov. 24; Serial No. 199,083; published Aug. 25, 1925.
Soaps, soap pastes, and soap powders. Parfumerie Roger & Gallet. 206,082; Nov. 24; Serial No. 199,081; published Sept. 1, 1925.
Soaps, Toilet and antiseptic. Joseph Personeni, Inc. 206,055; Nov. 24; Serial No. 216,693; published Aug. 25, 1925.
Sweeping compound. West Disinfecting Company. 206,122; Nov. 24; Serial No. 217,237; published Aug. 25, 1925.
Washing powder. Keene Washing Products Co. 206,032; Nov. 24; Serial No. 214,256; published Aug. 25, 1925.
Washing powder. M. W. Rice. 206,076; Nov. 24; Serial No. 208,161; published Sept. 8, 1925.

## CLASS 5.

Core binders. B. Roos. 206,283; Nov. 24; Serial No. 212,506; published Sept. 1, 1925.
Glue. D. H. Donegan. 206,084; Nov. 24; Serial No. 191,941; published Sept. 1, 1925.

## CLASS 6.

Baking powder. Hulman & Co. 49,902; renewed Feb. 20, 1926.
Castor oil. Baker Castor Oil Company. 48,944; renewed Jan. 16, 1926.
Liver regulator and blood purifier. G. M. Upton. 46,945; renewed Oct. 17, 1925.
Medicine. H. O. Hurley. 50,237; renewed Mar. 6, 1926.
Medicine for womb disorders and sexual debility. J. Sorokowski. 206,079; Nov. 24; Serial No. 203,900; published July 28, 1925.
Plasters. Johnson & Johnson. 49,279–80; renewed Jan. 30, 1926.
Plasters. Johnson & Johnson. 49,380; renewed Feb. 6, 1926.
Preparation for coloring butter. Monroe Drug Co. 47,472; renewed Nov. 7, 1925.
Remedy. Cushman Drug Co. 49,562; renewed Feb. 13, 1926.
Starch. E. R. Durkee & Co. 47,799–800; renewed Nov. 21, 1925.
Tonic, Health. Ayer Company. 206,145; Nov. 24; Serial No. 219,054; published Sept. 22, 1925.
Tonics and remedies for heart diseases, Cardiac. Sultan Drug Co. 46,866; renewed Oct. 10, 1925.
Yeast powder. Rumford Chemical Works. 50,290; renewed Mar. 6, 1926.

## CLASS 8.

Cigarette extinguishers and ash trays. Cooper Oven Thermometer Company. 206,324; Nov. 24; Serial No. 215,736; published Sept. 15, 1925.

## CLASS 9.

Gun and pistol cartridges and parts thereof. Union Metallic Cartridge Company. 49,500; renewed Feb. 6, 1926.

## CLASS 12.

Bituminous compound. Quigley Furnace Specialties Company. 206,244; Nov. 24; Serial No. 215,022; published Sept. 15, 1925.
Bricks and blocks, Building. Beaver Clay Manufacturing Company. 206,290; Nov. 24; Serial No. 213,424; published Sept. 15, 1925.
Concrete walls and forms. A. G. Reynolds. 206,265; Nov. 24; Serial No. 217,582; published Sept. 15, 1925.
Gates, Flexible. B. E. Sippel. 206,263; Nov. 24; Serial No. 217,304; published Sept. 8, 1925.
Plywood and veneered lumber. Mengel Company. 206,261; Nov. 24; Serial No. 217,227; published Sept. 8, 1925.
Roofing, Roll. Barber Asphalt Company. 206,246; Nov. 24; Serial No. 215,125; published Sept. 15, 1925.
Shelving, Metal. David Lupton's Sons Company. 206,264; Nov. 24; Serial No. 217,570; published Sept. 15, 1925.
Slate products. Structural Slate Co. 206,259; Nov. 24; Serial No. 216,233; published Sept. 15, 1925.

Tile, Faience, Franklin Pottery Co. 206,260; Nov. 24; Serial No. 216,329; published Sept. 15, 1925.
Tiles. E. H. Richardson. 206,240; Nov. 24; Serial No. 194,024; published Sept. 8, 1925.

CLASS 13.

Screws, rolled thread parts, rivets, wire pins, etc. Elco Tool and Screw Corporation. 206,139; Nov. 24; Serial 214,786; published Sept. 1, 1925.

CLASS 14.

Alloy for bearing metal. Frictionless Metal Company. 49,587; renewed Feb. 13, 1926.
Galvanized sheets. Keystone Steel & Wire Company. 206,250; Nov. 24; Serial No. 217,401; published Sept. 8, 1925.
Galvanized sheets. Keystone Steel & Wire Company. 206,253; Nov. 24; Serial No. 217,787; published Sept. 8, 1925.

CLASS 16.

Carbon black. Eastern Carbon Black Company. 206,204; Nov. 24; Serial No. 216,458; published Aug. 11, 1925.
Coating, Roof. Bright & Company. 206,006; Nov. 24; Serial No. 215,046; published Aug. 18, 1925.
Enamel, Automobile. L. D. Wilson. 206,014; Nov. 24; Serial No. 212,843; published Aug. 18, 1925.
Enamels, lacquers, and varnishes, Paint. Bakelite Corporation. 206,013; Nov. 24; Serial No. 213,275; published Aug. 18, 1925.
Lacquer. Egyptian Lacquer Company. 206,207–8; Nov. 24; Serial Nos. 215,904–5; published Aug. 11, 1925.
Lacquer. Egyptian Lacquer Manufacturing Company. 206,209–11; Nov. 24; Serial Nos. 215,898–900; published Aug. 11, 1925.
Liquid preservative coating in the nature of a paint. American Chemical Works. 206,298; Nov. 24; Serial No. 214,988; published Sept. 1, 1925.
Oil. Painting, staining, and graining. James B. Sipe & Co. 49,863; renewed Feb. 20, 1926.
Paint. Davis Paint Company. 206,337; Nov. 24.
Paint. Quick Finish Product Company. 206,320; Nov. 24.
Paint and varnish remover. W. J. Tennis. 206,309; Nov. 24; Serial No. 217,055; published Sept. 1, 1925.
Paint, Black metallic. S. D. Harding. 206,078; Nov. 24; Serial No. 205,061; published Aug. 18, 1925.
Paint, Cold-water. J. E. Harris Company. 206,009; Nov. 24; Serial No. 214,479; published Aug. 18, 1925.
Paint for cement. Reardon Company. 206,202; Nov. 24; Serial No. 216,694; published Aug. 11, 1925.
Paint, Paste white. Scott-Sullivan Paint Co. 206,201; Nov. 24; Serial No. 216,565; published Aug. 11, 1925.
Paints. Detroit Graphite Company. 206,011; Nov. 24; Serial No. 213,699; published Aug. 18, 1925.
Paints. Norwich Paint Company. 206,036; Nov. 24; Serial No. 215,217; published Aug. 25, 1925
Paints Smith-Alsop Paint and Varnish Company. 206,095; Nov. 24; Serial No. 215,480; published Aug. 18, 1925.
Paints, colors in oil, stains, enamels, shellacs, varnishes, and paint and varnish remover. Scott-Sullivan Paint Co. 206,200; Nov. 24; Serial No. 216,564; published Aug. 11, 1925.
Paints, stains, etc. Monroe, Lederer & Taussig. 206,016–17; Nov. 24; Serial Nos. 210,003–4; published Aug. 4, 1925.
Paints, varnishes, and enamels. Bennett Glass & Paint Company. 206,205; Nov. 24; Serial No. 216,315; published Aug. 11, 1925.
Paints, varnishes, and enamels. Bennett Glass & Paint Company. 206,312; Nov. 24; Serial No. 216,868; published Sept. 1, 1925.
Paints, varnishes, and enamels. Chicago White Lead & Oil Co. 206,227; Nov. 24; Serial No. 217,133; published Sept. 1, 1925.
Paints, varnishes, stains, enamels, and shellacs. Scott-Sullivan Paint Co. 206,203; Nov. 24; Serial No. 216,563; published Aug. 11, 1925.
Polish, Automobile. H. F. Wild. 206,010; Nov. 24; Serial No. 213,870; published Aug. 18, 1925.
Polish for automobile bodies, furniture, etc. J. Bell. 206,012; Nov. 24; Serial No. 213,546; published Aug. 18, 1925.
Polish. Furniture. American Products Company. 206,030; Nov. 24; Serial No. 213,948; published Aug. 25, 1925.
Polishing composition for furniture, automobiles, etc. R. P. Veness. 206,096; Nov. 24; Serial No. 215,427; published Aug. 18, 1925.
Stains from plaster, Preparation for removing. C. McNeil. 206,206; Nov. 24; Serial No. 216,151; published Aug. 11, 1925.
Varnishes and japans. Mayer & Loewenstein. 49,042; renewed Jan. 28, 1926.
Varnishes, lacquers, enamels, etc. Glidden Company. 206,022; Nov. 24; Serial No. 200,881; published Aug. 18, 1925.

CLASS 17.

Cigars. William Boucher & Sons. 206,033; Nov. 24; 214,641; published Sept. 8, 1925.
Cigars. William Boucher & Sons. 206,035; Nov. 24; Serial No. 214,642; published Sept. 8, 1925.
Cigars. S. S. Pierce Co. 48,830; renewed Jan. 16, 1926.
Cigars. S. S. Pierce Co. 49,391–2; renewed Feb. 6, 1926.
Cigars. Schutter-Johnson Candy Co. 206,191; Nov. 24; Serial No. 218,089; published Sept. 8, 1925.
Cigars. P. E. Watson. 50,086; renewed Mar. 6, 1926.
Cigars, cigarettes, and tobacco. Life Savers, Inc. 206,029; Nov. 24; Serial No. 213,904; published Sept. 15, 1925.
Tobacco extract. G. Bruning Tobacco Extract Company. 206,007; Nov. 24; Serial No. 214,770; published Sept. 15, 1925.
Tobacco, Plug-cut, plug, and smoking. Joseph G. Dill, Inc. 47,848; renewed Nov. 28, 1925.

CLASS 19.

Automobile spring covers. Anderson Manufacturing Company. 206,281; Nov. 24; Serial No. 212,466; published Sept. 15, 1925.
Vehicle bodies. Auto Body Company. 206,319; Nov. 24; Serial No. 216,378; Sept. 15, 1925.
Vehicle brakes and parts thereof. Steeldraulic Brake Corporation. 206,233; Nov. 24; Serial No. 217,424; published Sept. 15, 1925.

CLASS 21.

Chandeliers and brackets. McKenny & Waterbury Company. 47,543; renewed Nov. 7, 1925.
Electric conductors. Okonite Company. 46,162; renewed Sept. 5, 1925.
Electric conduit fittings. Crouse-Hinds Company. 50,462–3; renewed Mar. 20, 1926.
Insulating compound. Standard Underground Cable Company. 49,876; renewed Feb. 20, 1926.
Socket bushings for electric fixtures. Frank H. Stewart Electric Company. 49,855; renewed Feb. 20, 1926.
Sockets, Pull. Harvey Hubbell, Incorporated. 50,234; renewed Mar. 6, 1926.

CLASS 22.

Baseballs. Bon-Tober Sporting Goods Company. 206,111; Nov. 24; Serial No. 217,812; published Sept. 15, 1925.
Billiard and pool balls. H. Ehrlich & Sons Manufacturing Co. 206,109; Nov. 24; Serial No. 217,824; published Sept. 15, 1925.
Fishing lines. United States Whip Company. 206,046; Nov. 24; Serial No. 217,119; published Sept. 8, 1925.
Game, Mah-Jongg Sales Company of America. 206,024; Nov. 24; Serial No. 176,488; published July 22, 1924.
Games, Parlor board. A. E. Bernwall. 206,120; Nov. 24; Serial No. 217,245; published Sept. 8, 1925.
Toilet sets, Miniature. H. Fishelov. 206,061–2; Nov. 24; Serial Nos. 217,078–9; published Sept. 15, 1925.
Toy balloons. Deubener's Shopping Bag. 206,080; Nov. 24; Serial No. 201,228; published Sept. 8, 1925.
Wagons, Coaster. J. N. Adam & Co. 206,197; Nov. 24; Serial No. 218,035; published Sept. 15, 1925.

CLASS 23.

Automobile accessories. L. F. Mott. 206,147; Nov. 24; Serial No. 213,590; published Aug. 25, 1925.
Bolts, Shaking. Barnard & Leas Manufacturing Company. 49,848; renewed Feb. 20, 1926.
Check guards. Code Check Guard Company. 206,150; Nov. 24; Serial No. 211,833; published Sept. 8, 1925.
Cutters, Milling. Standard Tool Company. 49,922; renewed Feb. 20, 1926.
Disinfectant distributor. Cekimo Company. 206,158; Nov. 24; Serial No. 198,843; published Sept. 1, 1925.
Drills, Twist. Standard Tool Company. 49,921; renewed Feb. 20, 1926.
Files and rasps. Kearney & Foot Company. 49,382; renewed Feb. 6, 1926.
Fooler, knitting, and ribbing machines, and parts thereof. Fidelity Machine Company. 206,304; Nov. 24; Serial No. 215,565; published Aug. 25, 1925.
Grease cups. Link Belt Company. 206,187; Nov. 24; Serial No. 217,471; published Sept. 15, 1925.
Metal forging and forming machines. Ajax Manufacturing Company. 49,879; renewed Feb. 20, 1926.
Mowers, Lawn. Moto-Mower Company. 206,844; Nov. 24.
Nail pullers. Smith & Hemenway Company. 46,966; renewed Oct. 17, 1925.
Production machines and tools. G. Scher. 206,155; Nov. 24; Serial No. 208,872; published Apr. 14, 1925.
Razors. Atlanta Barber Supply Co. 206,153; Nov. 24; Serial No. 209,454; published Sept. 1, 1925.
Reamers. Standard Tool Company. 49,982; renewed Feb. 27, 1926.
Reels, Sand. Oil Country Specialties Mfg. Co. 206,179; Nov. 24; Serial No. 218,077; published Sept. 8, 1925.
Rolls, crusher parts, and liner plates for mills. American Car and Foundry Company. 206,185; Nov. 24; Serial No. 217,749; published Sept. 8, 1925.
Router bits for engraving. A. W. Cochran. 206,148; Nov. 24; Serial No. 214,645; published Sept. 15, 1925.
Saws. E. C. Atkins & Company. 48,453; renewed Jan. 2, 1926.
Saws. E. C. Atkins & Company. 49,469; renewed Feb. 6, 1926.



Shears, Power-driven. Unishear Company. 206,135; Nov. 24; Serial No. 215,665; published Sept. 15, 1925.
Taps. Standard Tool Company. 49,983; renewed Feb. 27, 1926.
Tools, Machine. Bilton Machine Tool Company. 206,186; Nov. 24; Serial No. 217,498; published Sept. 15, 1925.
Typewriters, etc. Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft. 206,341; Nov. 24.
Valves. Boyle Valve Company. 206,125; Nov. 24; Serial No. 217,474; published Sept. 15, 1925.
Wire-staple-fastening machine. Keuffel & Esser Company. 206,131; Nov. 24; Serial No. 216,735; published Sept. 1, 1925.

CLASS 25.

Locks and keys. Russell & Erwin Manufacturing Company. 49,349; renewed Jan. 30, 1926.

CLASS 26.

Meters, Quantity. Buffalo Meter Company. 206,252; Nov 24; Serial No. 217,755; published Sept. 8, 1925.
Picture films, Motion-. Kansas City Power & Light Company. 206,251; Nov. 24; Serial No. 217,623; Sept. 8, 1925.

CLASS 27.

Watches, watchcases, and watch movements. Philadelphia Watch Case Co. 49,483; renewed Feb. 6, 1926.
Watches, watchcases, and watch movements. Philadelphia Watch Case Co. 49,538; renewed Feb. 6, 1926.

CLASS 28.

Chains and lockets. Bassett Jewelry Company. 48,168; renewed Dec. 12, 1925.
Silver-plated hollow ware. International Silver Company. 49,338–41; renewed Jan. 30, 1926.
Silver-plated hollow ware. International Silver Company. 49,769; renewed Feb. 13, 1926.
Silver-plated hollow ware. International Silver Company. 49,825–6; renewed Feb. 20, 1926.

CLASS 29.

Brooms. Safeway Stores, Incorporated. 206,116; Nov. 24; Serial No. 217,583; published Sept. 15, 1925.
Brushes. W. A. Colescott & Co. 206,087; Nov. 24; Serial No. 216,088; published Sept. 8, 1925.
Brushes. Fiberloid Corporation. 206,124; Nov. 24; Serial No. 217,215; published Sept 15, 1925.
Brushes and brooms. Harry H. Kelly & Sons. 206,339; Nov. 24.
Brushes, daubers, and polishers, Shoe. Pedox Produx, Inc. 206,119; Nov. 24; Serial No. 217,294; published Sept. 15, 1925.
Brushes, Handles for lather. Hardright Company. 206,113; Nov. 24; Serial No. 217,772; published Sept. 15, 1925.
Toothbrushes. S. Levin. 206,091; Nov. 24; Serial No. 215,935; published Sept. 15, 1925.

CLASS 30.

Vases. L. Willemets. 206,..37; Nov. 24; Serial No. 217,844; published Sept. 15, 1925.

CLASS 31.

Filtration, etc., of liquids, Solid material to be used in aiding. Celite Products Company. 206,291; Nov. 24; Serial No. 213,549; published July 21, 1925.

CLASS 32.

Beds, cushions, and seats made of rubber, Air. Self-Controlled Air Cushion Company Limited. 206,303; Nov. 24; Serial No. 215,535; published Sept. 1, 1925.
Blind-nail trimming strips. A. Hamilton. 206,318; Nov. 24; Serial No. 216,391; published Aug. 25, 1925.
Furniture, Household. Abraham & Straus, Inc. 206,278; Nov. 24; Serial No. 210,428; published Sept. 1, 1925.
Furniture, Wooden household. Johnson Furniture Company. 206,276; Nov. 24; Serial No. 206,412; published Mar. 10, 1925.
Mirrors, Display. International Magazine Co. 206,280; Nov. 24; Serial No. 212,270; published Aug. 25, 1925.
Shades or curtains, Window. Angier Corporation. 206,295; Nov. 24; Serial No. 214,638; published Sept. 15, 1925.

CLASS 33.

Cut glass, sheet glass, glass bottles, etc. Abraham & Straus, Inc. 206,157; Nov. 24; Serial No. 200,300; published Sept. 15, 1925.
Glass, Sheet and picture. Semon Bache & Company. 48,250; renewed Dec. 19, 1925.
Watch glasses. Hammel, Riglander & Co. 206,183; Nov. 24; Serial No. 217,828; published Sept. 15, 1925.

CLASS 34.

Air-heating apparatus. Société des Réchauffeurs d' Air Airéco. 206,262; Nov. 24; Serial No. 217,234; published Sept. 8, 1925.
Burners, Oil. Northern Machinery Co. 206,235; Nov. 24; Serial No. 217,632; published Sept. 15, 1925.
Burners, piping, control valves, oil gauges, etc. Nufuel Burner Company. 206,239; Nov. 24; Serial No. 192,853; published Sept. 8, 1925.
Greenhouse-ventilating apparatus. Lord and Burnham Company. 206,248; Nov. 24; Serial No. 217,850; published Sept. 8, 1925.
Ovens, Portable. Jackes-Evans Manufacturing Company. 206,302; Nov. 24; Serial No. 215,462; published Sept. 15, 1925.
Stoves and ranges. Belleville Stove & Range Co. 206,245; Nov. 24; Serial No. 215,043; published Sept. 15, 1925.
Stoves and ranges, Cook and heating. A. Baldwin & Co. 49,897; renewed Feb. 20, 1926.
Wicks, webs, and webbing. Fletcher Manufacturing Company. 48,777; renewed Jan. 16, 1926.

CLASS 35.

Belting and aprons or conveyers. Franklin Cotton Mill Co. 206,315; Nov. 24; Serial No. 216,593; published Sept. 1, 1925.
Brake linings. Allbestos Corporation. 206,236; Nov. 24; Serial No. 217,656; published Sept. 15, 1925.
Brake linings. M. Fuller. 206,300; Nov. 24; Serial No. 215,144; published Sept. 8, 1925.
Insulating tape. Johns-Manville, Incorporated. 206,327; Nov. 24.
Tires, Automobile truck. Lee Rubber and Tire Corporation. 206,230; Nov. 24; Serial No. 217,404; published Sept. 15, 1925.

CLASS 36.

Banjo heads and drumheads. Duplex Manufacturing Company. 50,540; renewed Mar. 20, 1926.

CLASS 37.

Envelops. Samuel Cupples Envelope Co. 47,013; renewed Oct. 17, 1925.
Paper for use in stonecutting, Pattern. Baeder Adamson Company. 206,018; Nov. 24; Serial No. 208,122; published Sept. 1, 1925.
Paper, paper towels and napkins, and crêpe paper, Toilet. Fort Howard Paper Company. 206,152; Nov. 24; Serial No. 209,645; published Sept. 8, 1925.
Paper strips. Better Packages, Incorporated. 206,332; Nov. 24.
Paper, Writing. L. A. Lehmaier. 50,550; renewed Mar. 20, 1926.
Papers, paper for drinking cups, fruit wraps, Sulphite, twisting, and converting. Port Huron Sulphite & Paper Co. 206,019; Nov. 24; Serial No. 207,759; published Sept. 15, 1925.
Stationery supplies. Interborough News Company. 206,323; Nov. 24; Serial No. 215,859; published Sept. 15, 1925.

CLASS 38.

Booklets. First National Bank in Detroit. 206,083; Nov. 24; Serial No. 196,162; published Sept. 1, 1925.
Booklets. National Gum & Mica Company. 206,050; Nov. 24; Serial No. 216,557; published Sept. 1, 1925.
Books and series of books. W. J. Black. 206,092; Nov. 24; Serial No. 215,845; published Aug. 25, 1925.
Catalogues. Bing Corporation. 206,343; Nov. 24.
Comic strip. NEA Service Inc. 206,059; Nov. 24; Serial No. 216,924; published Sept. 8, 1925.
Comic strip. NEA Service, Inc. 206,066; Nov. 24; Serial No. 212,282; published Sept. 1, 1925.
Comic strip. NEA Service, Inc. 206,068; Nov. 24; Serial No. 211,863; published Sept. 1, 1925.
Comic strip. NEA Service, Inc. 206,069–70; Nov. 24; Serial Nos. 211,860–1; published Sept. 1, 1925.
Comic strip. NEA Service, Inc. 206,071; Nov. 24; Serial No. 211,694; published Sept. 8, 1925.
Comic strips. W. M. Conneiman. 206,108; Nov. 24; Serial No. 217,861; published Sept. 8, 1925.
Leaflets, booklets, posters, etc. H. H. Guzler. 206,134; Nov. 24; Serial No. 216,041; published Sept. 8, 1925.
Magazine, Monthly. Experimenter Publishing Co. 206,273; Nov. 24; Serial No. 204,854; published Sept. 15, 1925.
Magazine, Monthly. Freeman-Smart Company. 206,057; Nov. 24; Serial No. 216,862; published Sept. 1, 1925.
Magazine, Monthly. H. W. Garland. 206,110; Nov. 24; Serial No. 217,929; published Sept. 8, 1925.
Magazine, Monthly. Macfadden Publications Incorporated. 206,289; Nov. 24; Serial No. 212,939; published Sept. 15, 1925.
Newspaper, Weekly. Empire Publishing Company. 206,026; Nov. 24; Serial No. 215,354; published Aug. 25, 1925.
Newspaper, Weekly. Empire Publishing Company. 215,038–42; Nov. 24; Serial Nos. 215,346–50; published Aug. 25, 1925.
Newspaper, Weekly. Empire Publishing Company. 206,043–4; Nov. 24; Serial Nos. 215,352–3; published Aug. 25, 1925.
Newspaper, Weekly. Empire Publishing Company. 206,098–100; Nov. 24; Serial Nos. 215,363–65; published Aug. 25, 192.
Newspaper, Weekly. Empire Publishing Company. 206,101–4; Nov. 24; Serial Nos. 215,355–8; published Aug. 25, 1925.
Newspaper, Weekly. Empire Publishing Company. 206,199; Nov. 24; Serial No. 215,386; published Aug. 25, 1925.
Newspaper, Weekly. Empire Publishing Company. 206,212–5; Nov. 24; Serial Nos. 215,359–62; published Aug. 25, 1925.

Newspaper, Weekly. Empire Publishing Company. 206,216–24; Nov. 24; Serial Nos. 215,337–45; published Aug. 25, 1925.
Newspaper, Weekly. Empire Publishing Company. 206,225; Nov. 24; Serial No. 215,335; published Aug. 25, 1925.
Newspaper, Weekly. Home Talk Publishing Co. 206,063; Nov. 24; Serial No. 217,153; publishing Sept. 8, 1925.
Newspaper, Weekly. Item Publishing Company. 206,004; Nov. 24; Serial No. 217,156; published Sept. 8, 1925.
Newspapers. German Harold Publishing Co. of New York City, Inc. 206,123; Nov. 24; Serial No. 217,220; published Sept. 8, 1925.
Nom de plume for newspaper sections. M. McDougall. 206,156; Nov. 24; Serial No. 206,797; published Sept. 8, 1925.
Paper issued daily. A. G. Wheeler. 206,114; Nov. 24; Serial No. 217,690; published Sept. 8, 1925.
Paper, Monthly class. J. & S. Lasky. 206,075; Nov. 24; Serial No. 209,042; published Sept. 1, 1925.
Periodical. Brown & Bigelow. 206,121; Nov. 24; Serial No. 217,252; published Sept. 8, 1925.
Periodical, Monthly trade. Macfadden Publications Incorporated. 206,113; Nov. 24; Serial No. 217,719; published Sept. 8, 1925.
Printed advertising signs. Conde Nast Publications, Inc. 206,142; Nov. 24; Serial No. 214,646; published Sept. 8, 1925.
Publication, Periodical. NEA Service, Inc. 206,149; Nov. 24; Serial No. 211,862; published Sept. 8, 1925.
Textbooks. R. Blank. 206,154; Nov. 24; Serial No. 209,378; published Sept. 8, 1925.

CLASS 39.

Bibs, Baby. A. Wolff. 206,325; Nov. 24; Serial No. 215,672; published Sept. 15, 1925.
Boots and shoes, Leather. F. Mayer Boot & Shoe Co. 50,129; renewed Mar. 6, 1926.
Cloaks, suits, and dresses. M. Goldman. 206,322; Nov. 24; Serial No. 215,910; published Sept. 15, 1925.
Coats, vests, and trousers, Flannel. B. Kuppenheimer & Co. 206,294; Nov. 24; Serial No. 214,487; published Sept. 15, 1925.
Coats, vests, trousers, and knickerbockers, Men's. Frankel Bros. 206,141; Nov. 24; Serial No. 214,719; published Sept. 15, 1925.
Coats, vests, trousers, and overcoats. B. Kuppenheimer & Co. 206,144; Nov. 24; Serial No. 214,483; published Sept. 15, 1925.
Collars and cuffs, Linen. Corliss, Coon & Co. 46,596; renewed Sept. 26, 1925.
Fur coats, wraps, and scarfs for women. Kruskal & Kruskal, Inc. 206,164; Nov. 24; Serial No. 214,257; published Aug. 11, 1925.
Gowns, bloomers, etc., Ladies' and misses'. American Maid Undergarment Co. 206,277; Nov. 24; Serial No. 208,090; published June 16, 1925.
Hatboxes and suitcases. J. V. Meyering Trunk Company. 206,051; Nov. 24; Serial No. 216,623; published Sept. 1, 1925.
Hats and caps. John B. Stetson Company. 47,775; renewed Nov. 21, 1925.
Hats, Straw. Brigham-Hopkins Company. 48,976; renewed Jan. 16, 1926.
Hose, Infants'. American Dry Goods Company of New York. 206,267; Nov. 24; Serial No. 189,834; published Aug. 11, 1925.
Hosiery. Everwear Hosiery Co. 206,284; Nov. 24; Serial No. 212,546; published Sept. 15, 1925.
Hosiery. Gunnerman Shoe Co. 206,228; Nov. 24; Serial No. 217,224; published Sept. 15, 1925.
Hosiery. Vance Knitting Co. 206,270; Nov. 24; Serial No. 200,911; published Sept. 15, 1925.
Hosiery. John Wanamaker Philadelphia. 206,127–8; Nov. 24; Serial Nos. 216,952–3; published Sept. 15, 1925.
Hosiery, bathing suits, underwear, etc. Sanger Bros. 206,015; Nov. 24; Serial No. 211,055; published Aug. 4, 1925.
Nightshirts and pyjamas. Ernest Simons Mfg. Co. 206,269; Nov. 24; Serial No. 200,159; published Sept. 15, 1925.
Overalls, pants, and work shirts. High Point Overall Co. 206,320; Nov. 24; Serial No. 216,270; published Sept. 15, 1925.
Overcoats, Men's and children's. Cohen, Goldman & Co. 206,136; Nov. 24; Serial No. 215,135; published Sept. 1, 1925.
Overcoats, suits, vests, sweaters, etc., Men's and boys'. C. E. Longley Company. 206,288; Nov. 24; Serial No. 212,938; published Sept. 15, 1925.
Shirts and blouses, trousers, overalls, and jackets. Work and flannel. D. M. Oberman Mfg. Co. 206,271; Nov. 24; Serial No. 201,772; published Sept. 15, 1925.
Suits and overcoats. A. Hoefeld. 206,130; Nov. 24; Serial No. 216,782; published Sept. 15, 1925.
Suits, Full-dress and Tuxedo. Rothschild & Sons, Inc. 206,126; Nov. 24; Serial No. 217,231; published Sept. 15, 1925.
Suits, trousers, and overcoats. Joseph & Feiss Co. 206,067; Nov. 24; Serial No. 212,086; published Sept. 8, 1925.
Underwear and hosiery, Knit. Chas. A. Stevens & Bros. 48,652; renewed Jan. 9, 1926.
Underwear and sleeping garments, Infants' and children's. Minneapolis Knitting Works. 206,296; Nov. 24; Serial No. 214,881; published Sept. 15, 1925.
Underwear, Artificial-silk. Carson Pirie Scott & Co. 206,286; Nov. 24; Serial No. 212,716; published Sept. 15, 1925.
Union suits, Men's and boys' nainsook athletic. Carson Pirie Scott & Co. 206,287; Nov. 24; Serial No. 212,717; published Sept. 15, 1925.

CLASS 40.

Braids, bindings, and trimmings. Fletcher Manufacturing Company. 49,187; renewed Jan. 30, 1926.
Combs. American Hard Rubber Company. 206,342; Nov. 24.
Hooks and eyes. Star Pin Company. 49,744; renewed Feb. 13, 1926.

CLASS 42.

Cloths, Painters' drop. J. D. Blake. 206,279; Nov. 24; Serial No. 211,451; published Sept. 15, 1925.
Cotton piece goods. Quinebaug Company. 206,313; Nov. 24; Serial No. 216,846; published Sept. 15, 1925.
Draperies and upholsteries in the piece. Manville Jenckes Company. 206,171; Nov. 24; Serial No. 218,364; published Sept. 15, 1925.
Fabrics in the piece. Sidney Blumenthal & Co. 206,180; Nov. 24; Serial No. 218,044; published Sept. 15, 1925.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 206,181; Nov. 24; Serial No. 218,042; published Sept. 15, 1925.
Hair nets. G. Klemperer. 206,333; Nov. 24.
Hair nets. New York Merchandise Company. 206,177; Nov. 24; Serial No. 218,198; published Sept. 15, 1925.
Sheeting, Bed. M. Haiff & Bro. 206,326; Nov. 24.
Silk fabric in the piece. Cheney Brothers. 206,150; Nov. 24; Serial No. 202,930; published Sept. 15, 1925.
Silk fabric in the piece. Lorraine Manufacturing Co. 206,174; Nov. 24; Serial No. 218,265; published Sept. 15, 1925.
Wool piece goods. Roubaix Mills, Inc. 206,301; Nov. 24; Serial No. 215,385; published Sept. 15, 1925.

CLASS 43.

Thread. Britton Threads, Inc. 206,238; Nov. 24; Serial No. 218,285; published Sept. 15, 1925.
Yarns. Wm. H. Horstmann Company. 50,216; renewed Mar. 6, 1926.
Yarns, Artificial-silk. N. V. Nederlandsche Kunstzijdefabriek. 206,274; Nov. 24; Serial No. 205,080; published Sept. 15, 1925.

CLASS 44.

Membranes. Johnson & Johnson. 49,281; renewed Jan. 30, 1926.
Sanitary napkins. Dean Plaster Co. 206,249; Nov. 24; Serial No. 217,305; published Sept. 8, 1925.
Surgical dressings. Johnson & Johnson. 49,282; renewed Jan. 30, 1926.

CLASS 45.

Beverages. O-Mint-O Co. 206,052; Nov. 24; Serial No. 216,632; published Sept. 15, 1925.
Beverages sold as soft drinks. Perk-O-Lator Coffee Pots, Inc. 206,074; Nov. 24; Serial No. 209,690; published Sept. 8, 1925.
Beverages sold as soft drinks. Phillips Brothers. 206,027; Nov. 24; Serial No. 213,594; published Sept. 8, 1925.
Mineral spring water. Manitou Mineral Springs Company. 48,237; renewed Dec. 19, 1925.
Natural mineral water. Manitou Mineral Springs Company. 49,171; renewed Jan. 23, 1926.

CLASS 46.

Biscuits. Independent Baking Co. 206,045; Nov. 24; Serial No. 217,098; published Sept. 8, 1925.
Bread. J. Cosian. 206,088; Nov. 24; Serial No. 216,022; published Sept. 8, 1925.
Butter. Cloverleaf Creameries, Inc. 206,275; Nov. 24; Serial No. 205,850; published Sept. 15, 1925.
Butter. A. Wachs. 206,065; Nov. 24; Serial No. 212,300; published Sept. 8, 1925.
Candies, comdts, and preserves. Andreson & Patterson. 206,031; Nov. 24; Serial No. 214,114; published Sept. 8, 1925.
Candy. Devoine Company. 206,282; Nov. 24; Serial No. 212,485; published Sept. 15, 1925.
Candy. Loft, Incorporated. 206,133; Nov. 24; Serial No. 216,552; published Sept. 15, 1925.
Candy. Loft, Inc. 206,194–6; Nov. 24; Serial Nos. 218,067–9; published Sept. 8, 1925.
Candy. J. G. McDonald Chocolate Co. 206,193; Nov. 24; Serial No. 218,073; published Sept. 8, 1925.
Candy. Postum Cereal Co. 49,913; renewed Feb. 20, 1926.
Candy. Quaker City Chocolate & Confectionery Company. 206,192; Nov. 24; Serial No. 218,082; published Sept. 8, 1925.
Candy. Reymer Brothers Incorporated. 49,486; renewed Feb. 6, 1926.
Candy. F. H. Roberts Company. 206,173; Nov. 24; Serial No. 218,333; published Sept. 15, 1925.



Canned apricots, cherries, tomatoes, etc. Smith-Jackson Co. 206,094; Nov. 24; Serial No. 215,481; published Sept. 15, 1925.
Canned fish. L. A. Sea Food Packing Co. 206,334; Nov. 24.
Canned foods, coffee, tea, etc. Service Grocer Company. 206,316; Nov. 24; Serial No. 216,481; published Sept. 15, 1925.
Canned fruits and vegetables. G. W. Hume Company. 206,167; Nov. 24; Serial No. 218,558; published Sept. 15, 1925.
Canned Lima beans and salmon. Adolph Goldmark & Sons, Corp. 206,056; Nov. 24; Serial No. 216,717; published Sept. 8, 1925.
Canned peaches and tomatoes. Sutter Co-Operative Growers. 206,186–90; Nov. 24; Serial Nos. 218,092–3; published Sept. 8, 1925.
Canned peas. Mammoth Spring Canning Co. 206,178; Nov. 24; Serial No. 218,193; published Sept. 15, 1925.
Canned peas and corn. Lancaster Canning Company. 206,317; Nov. 24; Serial No. 216,415; published Sept. 15, 1925.
Canned pineapple. Sussman, Wormser & Co. 206,166; Nov. 24; Serial No. 218,580; published Sept. 15, 1925.
Canned pineapple, jam, marmalade, and jelly. Hawaiian Pineapple Products Co. 206,168–9; Nov. 24; Serial Nos. 218,554–5; published Sept. 15, 1925.
Canned pineapple, jam, marmalade, and jelly. Hawaiian Pineapple Products Co. 206,170; Nov. 24; Serial No. 218,552; published Sept. 15, 1925.
Canned salmon. Strohmeyer & Arpe Company. 206,107; Nov. 24; Serial No. 217,904; published Sept. 8, 1925.
Cereal breakfast food. G. A. Stuart. 206,034; Nov. 24; Serial No. 214,289; published Sept. 8, 1925.
Cheese. Triangle Cheese Company. 206,020; Nov. 24; Serial No. 204,941; published May 19, 1925.
Chocolate. Knickerbocker Chocolate Company. 49,157; renewed Jan. 23, 1926.
Chocolate and cocoa. Knickerbocker Chocolate Company. 49,343; renewed Jan. 30, 1926.
Chocolate-coated nuts and fruits. W. G. Williams. 206,073; Nov. 24; Serial No. 210,696; published Aug. 25, 1925.
Cocoa, cocoa powder and cake, chocolate, jams, etc. O. Haucke. 206,242; Nov. 24; Serial No. 210,844; published Sept. 1, 1925.
Coffee. New Orleans Coffee Co. 50,446; renewed Mar. 20, 1926.
Coffee, Green. Marks & Sons Co. 206,161; Nov. 24; Serial No. 213,908; published Sept. 15, 1925.
Crackers. C. Cartlidge. 206,118; Nov. 24; Serial No. 217,530; published Sept. 8, 1925.
Crackers, Oyster. Independent Baking Company. 206,058; Nov. 24; Serial No. 216,911; published Sept. 8, 1925.
Extracts, Flavoring. Joseph Burnett Co. 50,469; renewed Mar. 20, 1926.
Feed, Prepared stock. Moorman Mfg. Co. 206,336; Nov. 24.
Flavoring extracts. J. E. Fowler. 46,025; renewed Sept. 5, 1925.
Flour, Self-rising. Boonville Mills Company. 206,072; Nov. 24; Serial No. 211,074; published Sept. 8, 1925.
Flour, Self-rising wheat. Red Star Milling Company. 206,226; Nov. 24; Serial No. 215,179; published Sept. 1, 1925.
Flour, Wheat. T. C. Brunner & Son. 206,266; Nov. 24; Serial No. 185,560; published Sept. 15, 1925.
Flour, Wheat. Consolidated Flour Mills Company. 206,093; Nov. 24; Serial No. 215,772; published Sept. 8, 1925.
Food, Chick. Crete Mills. 206,335; Nov. 24.
Food, Poultry. American Agricultural Chemical Company. 206,097; Nov. 24; Serial No. 215,395; published Sept. 8, 1925.
Food product. J. Marcev. 206,328; Nov. 24.
Gelatin. S. S. Kingery. 46,924; renewed Oct. 17, 1925.
Grapes, Fresh. Pinkham Holdings Co. 206,175; Nov. 24; Serial No. 218,330; published Sept. 15, 1925.
Grapes, Fresh. Pinkham Holdings Co. 206,311; Nov. 24; Serial No. 216,932; published Sept. 15, 1925.
Gum, Chewing. American Chicle Company. 206,060; Nov. 24; Serial No. 217,003; published Sept. 8, 1925.
Gum, Chewing. West & Tuell. 206,314; Nov. 24; Serial No. 216,704; Sept. 15, 1925.
Ham, bacon, lard, lard substitute, and sausage. Boyd Packing Company. 206,023; Nov. 24; Serial No. 200,540; published May 5, 1925.
Honey, Artificial. E. G. Baxter. 206,299; Nov. 24; Serial No. 215,126; published Sept. 15, 1925.
Horse-radish. N. F. Koenig. 206,321; Nov. 24; Serial No. 216,194; published Sept. 15, 1925.
Lettuce, Fresh. C. E. Linwood. 206,297; Nov. 24; Serial No. 214,966; published Sept. 15, 1925.
Lettuce, tomatoes, spinach, and celery, Fresh. G. K. Shibuya. 206,172; Nov. 24; Serial No. 218,338; published Sept. 15, 1925.
Malt extract. A. J. Maggio. 206,293; Nov. 24; Serial No. 214,173; published Sept. 15, 1925.
Meal, Cream. Mountain City Mill Co. 206,089; Nov. 24; Serial No. 215,991; published Sept. 8, 1925.
Oil, Olive. L. Pellino. 206,268; Nov. 24; Serial No. 199,759; published Sept. 15, 1925.
Oranges and lemons. Anaheim Orange & Lemon Association. 206,137; Nov. 24; Serial No. 215,039; published Sept. 15, 1925.
Oranges, lemons, and grapefruit. Redlands Select Groves, Inc. 206,106; Nov. 24; Serial No. 217,957; published Sept. 8, 1925.
Oranges, lemons, and grapefruit. J. M. Riley Fruit Co. 206,310; Nov. 24; Serial No. 216,939; published Sept. 15, 1925.
Oranges, lemons, and grapefruit. Simonds Orange Co. 206,105; Nov. 24; Serial No. 217,966; published Sept. 8, 1925.
Peanut butter, butter, cereals, etc. W. H. Johnson. 206,165; Nov. 24; Serial No. 163,989; published Jan. 1, 1924.
Pears, Fresh. G. W. Conner. 206,176; Nov. 24; Serial No. 218,247; published Sept. 15, 1925.
Potatoes, onions, apples, turnips, etc., Fresh. Heilmann Bros. 206,160; Nov. 24; Serial No. 196,113; published Sept. 15, 1925.
Preparation made from chocolate, cocoa, milk solids, etc. Edward Brown Co. 206,028; Nov. 24; Serial No. 213,889; published Sept. 8, 1925.
Sardines. Union Canning Company. 206,162–3; Nov. 24; Serial Nos. 193,642–3; published Sept. 15, 1925.
Shortening, Vegetable. South Texas Cotton Oil Company. 206,198; Nov. 24; Serial No. 218,024; published Sept. 8, 1925.
Sturgeon, whitefish, mackerel, pickled tomatoes, etc. New York Appetizer Company. 206,243; Nov. 24; Serial No. 212,286; published June 23, 1925.
Tea and coffee. William Boardman & Sons Co. 206,048; Nov. 24; Serial No. 216,498; published Sept. 8, 1925.
Vinegar and tomato catchup. Unity Food Packers, Inc. 206,285; Nov. 24; Serial No. 212,581; published Sept. 15, 1925.
Vinegar, mustard, tomato catchup. Unity Food Packers, Inc. 206,025; Nov. 24; Serial No. 212,582; published Sept. 8, 1925.
Vinegar, prepared mustard, and cottonseed salad oil. Crescent Bottling Works. 206,008; Nov. 24; Serial No. 214,532; published Sept. 8, 1925.

CLASS 47.

Wines and vermuth. G. Savoretti. 206,272; Nov. 24; Serial No. 203,889; published July 21, 1925.

CLASS 48.

Ale. C. H. Evans & Sons. 50,407; renewed Mar. 13, 1926.
Beer, Near. Rubsam & Horrmann Brewing Company. 206,148; Nov. 24; Serial No. 212,640; published Sept. 15, 1925.
Beer, Near. Jacob Rupper, Inc. 206,129; Nov. 24; Serial No. 216,940; published Sept. 15, 1925.
Beverages, Malt. Phillips Brothers. 206,146; Nov. 24; Serial No. 213,503; published Sept. 15, 1925.
Malt, Canned barley. A. Leonforte. 206,331; Nov. 24.
Sirup, Malt and hop. Maltose Laboratories, Inc. 206,090; Nov. 24; Serial No. 215,936; published Sept. 8, 1925.

CLASS 50.

Cookers, Fireless. E. Szecsy. 206,257; Nov. 24; Serial No. 215,715; published Sept. 15, 1925.
Cotton fabric, Treated woven. Eastern Finishing Works, Inc. 206,258; Nov. 24; Serial No. 215,778; published Sept. 15, 1925.
Garment hangers. Star-Service Hanger Co. 206,254; Nov. 24; Serial No. 200,017; published Sept. 15, 1925.
Oiled cloth for covering tents, porches, etc. Flex-O-Glass Manufacturing Company. 206,256; Nov. 24; Serial No. 210,228; published Sept. 8, 1925.
Tents. Fulton Bag and Cotton Mills. 206,255; Nov. 24; Serial No. 204,824; published Sept. 15, 1925.

# ALPHABETICAL LIST OF LABELS.

Aurine. For Ear Remedy. Aurine Remedy Co. 29,522; Nov. 24.
Blue Jay. For Hosiery. Davenport Bros. 29,531; Nov. 24.
Blue Ridge Brand. For Apples. K. E. Boyd. 29,525; Nov. 24.
Bred Spred. For Preparation of Fruit and Sugar Similar to Preserves, but Made with an Apple Base in Addition to the Flavoring Fruit. Glaser, Crandell Co. 29,540; Nov. 24.
Brilliant X. For Ammonia. C. W. Guilmette. 29,543; Nov. 24.
Bucky Harris. For Candy Bar. Wilkes-Barre Maid Candy Company. 29,563; Nov. 24.
California Pure Barley Malt Extract. For Malt Extract. S. Paget. 29,556; Nov. 24.
Celery Phos. For Nonalcoholic Drink. J. W. Bourke. 29,524; Nov. 24.
Constans. For Canned Peas. Consumers Wholesale Supply Co. 29,530; Nov. 24.
Dairy Maid. For Butter. A. W. Madsen. 29,549; Nov. 24.
Delicious. For Bread. Menasha Printing and Carton Company. 29,552; Nov. 24.
Diamond H Grain Bag. For Burlap Bags. R. C. Hyland. 29,548; Nov. 24.
Epto. For Drugs, Medicines, and Medicinal Products. H. Epstein. 29,535; Nov. 24.
Everready Pyramid Automotive Brushes. For Brushes for Electrical Machines. National Carbon Company. 29,554; Nov. 24.
Gilmore Gasoline Monarch Of All. For Gasoline. Gilmore Oil Company. 29,539; Nov. 24.
Gray-Apes. For Fresh Grapes. F. W. Brewster. 29,526; Nov. 24.
Heart of the Home. For Soft-Water Generators. Fort Wayne Engineering & Manufacturing Co. 29,536; Nov. 24.
Hemco Pull Cord Attachment Plugs. For Attachment Plugs. George Richards & Company. 29,559; Nov. 24.
Japanese. For Finger-Nail Polish. A. Harris. 29,544; Nov. 24.
Kiel Fancy Creamery Butter. For Butter. Menasha Printing and Carton Company. 29,553; Nov. 24.
Lacq. For Lacqueroid. Glidden Company. 29,541; Nov. 24.
Mill. For Asparagus. J. W. Hollenbeck. 29,547; Nov. 24.
Morosan. For Moth Balls. Fuller-Morrisson Company. 29,538; Nov. 24.
Old Glory Malt Syrup. For Malt Sirup. R. Bonnet. 29,523; Nov. 24.
Palo Verde. For Grapes. J. P. Cirese. 29,528; Nov. 24.
Pickwick Hose. For Hose and Hosiery. E. Heathcote. 29,545; Nov. 24.
Portage Superior Ice Cream. For Ice Cream. Menasha Printing and Carton Company. 29,551; Nov. 24.
Ripe-Fru. For Orange Juice. Citrus Products Corporation. 29,529; Nov. 24.
River Shannon. For Soft Drink. O'My Bottling Syrup Co. 29,555; Nov. 24.
Rosa Centifolia. For Perfumes. F. Wolf. 29,565; Nov. 24.
Royal Original Flavored Toothpicks. For Toothpicks. M. N. Castro. 29,527; Nov. 24.
San Alto. For Cigars. Master Cigar Company. 29,550; Nov. 24.
Shari. For Beauty Cream. United Drug Company. 29,561; Nov. 24.
Silver Moss Tinsel. For Christmas Tree Decoration. Douglas Manufacturing Company. 29,533–4; Nov. 24.
Silver State. For Fresh Melons. C. H. De Montemar. 29,532; Nov. 24.
Spare Rim Tire Carrier Spare Disc Wheel Carrier. For Padlocks. E. T. Fraim Lock Co. 29,537; Nov. 24.
This Wooster Brush. For Brushes. Wooster Brush Company. 29,566; Nov. 24.
Thompson's Cold, Grip and Fever Tablets. For Cold Tablets. E. B. Thompson. 29,560; Nov. 24.
Uncle Wiggily Series. For Phonograph Records. Fred A. Wish, Inc. 29,564; Nov. 24.
Washburn's Pancake Flour. For Pancake Flour. Washburn Crosby Company. 29,562; Nov. 24.
Weymouth. For Sheets and Pillowcases. Higbee Company. 29,546; Nov. 24.
Wild Cherry Honey. For a Medicinal Preparation. S. Pfeiffer Mfg. Co. 29,557; Nov. 24.
Windobrite. For a Polish. G. W. Allen Co. 29,521; Nov. 24.
Ya-Lo The Football Card Game. For Game. E. J. Graber. 29,542; Nov. 24.
Yellow Hammer. For Canned Apricots. Pratt-Low Preserving Company. 29,558; Nov. 24.

# ALPHABETICAL LIST OF PRINTS.

A Dessert For Royalty. For Ice Cream. Frederick C. Mathews Company. 8,388; Nov. 24.
A Masterpiece of Confection. For Ice Cream. Frederick C. Mathews Company. 8,383; Nov. 24.
A Topping Delight. For Ice Cream. Frederick C. Mathews Company. 8,391; Nov. 24.
An All-Day Cone. For Ice Cream. Frederick C. Mathews Company. 8,390; Nov. 24.
Asco Coffee. For Coffee. American Stores Company. 8,371; Nov. 24.
Ask Him. For Dental Cream. E. R. Squibb & Sons. 8,401; Nov. 24.
Bermuda. For Onions. Price Bros. 8,394; Nov. 24.
Between the Teeth. For Dental Cream. E. R. Squibb & Sons. 8,402; Nov. 24.
Boy and Girl Chasing Rainbow. For Ice Cream. Frederick C. Mathews Company. 8,385; Nov. 24.
Cream of Coal-Coke. For Coal and Coke. J. C. Beranek. 8,373; Nov. 24.
Downs Was Designed For The Kind Of Man Who Likes To Wear Well-Fitting Collars. For Collars. Cluett, Peabody & Co. 8,374; Nov. 24.
Every Day is Sweetheart Day Say It With Candy It's Sweeter. For Candy. E. K. Spertner. 8,395; Nov. 24.
Fairy Queen. For Ice Cream. Frederick C. Mathews Company. 8,384; Nov. 24.
Heins India Relish With The Accent On The Relish. For India Relish. H. J. Heinz Co. 8,379; Nov. 24.
Here It Is! Jackie's Bow A Tie For Regular Fellows. For Boys' Bow Ties. H. & M. Neckwear Co. 8,392; Nov. 24.
If Garters were worn around the Neck you'd change them frequently. For Garters. A. Stein & Company. 8,405; Nov. 24.
Injury or Disease of the Gums. For Dental Cream. E. R. Squibb & Sons. 8,404; Nov. 24.
It Isn't a 'Lino' Unless It's a Gunn. For Furniture. Gunn Furniture Company. 8,378; Nov. 24.
Laboratory Tests Have Proved That. For Dental Cream. E. R. Squibb & Sons. 8,403; Nov. 24.
Long Life Line. For Hosiery. Conrad & Co. 8,375; Nov. 24.
Many Flavors Frostie. For Ice Cream. Frederick C. Mathews Company. 8,386; Nov. 24.
Merchandising Helps Jantzen—The Coat To Wear Anywhere. For Knitted Coats. Jantzen Knitting Mills. 8,381; Nov. 24.
Play A Hohner Harmonica. For Harmonicas. M. Hohner, Inc. 8,380; Nov. 24.
Roger Babson Tells What Proper Diet and Outdoor Life Has Done For Him. For Wheat Breakfast Food. Cream of Wheat Co. 8,376; Nov. 24.
Smokers Who Use Squibb's Dental Cream. For Dental Cream. E. R. Squibb & Sons. 8,397; Nov. 24.
Special U. S. Mail Box Stock Design 2950. For Mail Boxes and Chutes. Cutler Mail Chute Company. 8,377; Nov. 24.
The Banquets Climax. For Ice Cream. Frederick C. Mathews Company. 8,382; Nov. 24.
The Strawberry Frostie. For Ice Cream. Frederick C. Mathews Company. 8,387; Nov. 24.
Three Bottle Card. For Milk. Frederick C. Mathews Company. 8,389; Nov. 24.
Three Years Ago. For Dental Cream. E. R. Squibb & Sons. 8,400; Nov. 24.
What Happens at the Danger Line Every Time You Eat. For Dental Cream. E. R. Squibb & Sons. 8,399; Nov. 24.
Yankee Tools. For Mechanics' Tools. North Bro's M'f'g Co. 8,393; Nov. 24.
Yes! Bananas the Body Builder. For Bananas. Bauerlein, Incorporated. 8,372; Nov. 24.
Your Beauty Depends On. For Dental Cream. E. R. Squibb & Sons. 8,396; Nov. 24.
Your Smile. For Dental Cream. E. R. Squibb & Sons. 8,398; Nov. 24.



# CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Sand, White. Del Monte Properties Company. 220,886; Nov. 24.

CLASS 2.

Bags. Food Flavour Preservation Process Limited. 217,081; Nov. 24.
Packing and shipping cases, furniture boxes, etc. Atlas Plywood Corporation. 220,634; Nov. 24.

CLASS 3.

Horse-collar pads. N. A. Shane. 220,923; Nov. 24.
Straps, Woven trunk, razor, skate, and bag. Buffalo Weaving & Belting Co. 186,391; Nov. 24.

CLASS 4.

Cleanser of rugs, draperies, etc. H. E. Richardson. 170,898; Nov. 24.
Dressing and liquid polish, Floor. Northwest Chemical & School Supply Co. 213,663; Nov. 24.
Polish, Metal. W. E. Morgan. 202,514; Nov. 24.
Soap chips. Globe Soap Company. 218,478; Nov. 24.
Soaps. Societe en Nom Collectif M. & L. Biette Freres. 213,326; Nov. 24.
Soaps. 2-J Soap Co. 216,751; Nov. 24.
Soaps, Toilet and face. L. Cavalieri. 216,710; Nov. 24.

CLASS 5.

Size, Wall. Patent Cereals Company. 220,249; Nov. 24

CLASS 6.

Acid, phosphoric-acid paste, monoammonium phosphate, monocalcium phosphate, and trisodium phosphate, Phosphoric. Federal Phosphorus Co. 218,618; Nov. 24.
Ammonia and bluing. American Stores Company. 220,823; Nov. 24.
Antacid and stomach corrective. W. H. C. Holst. 208,706; Nov. 24.
Balsam, Ear. Aurine Remedy Co. 221,869; Nov. 24.
Chemical products for industrial, scientific, and photographic purposes. Meyerhofer & Scharpf Aktiengesellschaft. 221,667; Nov. 24.
Cod-liver oil and malt extract, Combination of. Dr. A. Wander S. A. 221,862; Nov. 24.
Colloidal kaolin for medicinal purposes, Selective. W. W. Plowman. 221,850; Nov. 24.
Composition for preserving and waterproofing canvas and coton duck goods and similar fabrics, Sullivan Company. 219,861; Nov. 24.
Cough medicine. Davies, Rose & Co. 221,882; Nov. 24.
Cream, Face. Math-Ol Inflammacine Co. 219,900; Nov. 24.
Creams, powder, rouge, cuticle remover, etc. Chicago Mail Order Company. 221,877; Nov. 24.
Deodorant. U. L. Burke. 218,949; Nov. 24.
Depilatory. E. H. Franken. 218,911; Nov. 24.
Extract from cod and other animal livers. A. B. Adams. 221,866; Nov. 24.
Face powder. Armand Company. 221,528; Nov. 24.
Finishes, Colorless binding agent for use with pigment. American Leather Finish Co. 221,797; Nov. 24.
Finishes for leather, Pigment. American Leather Finish Co. 221,798; Nov. 24.
Hair tonic. V. Charland. 219,876; Nov. 24.
Hair tonic and shampoo preparations. Comfort Powder Co. 221,598; Nov. 24.
Insect powder and liquid insecticide. Gilpin, Langdon & Company. 221,742; Nov. 24.
Insecticides. Claxton Chemical Company. 220,062; Nov. 24.
Lip sticks. Lower & Co. 216,685; Nov. 24.
Lotion, Face. S. B. Wagner. 220,098; Nov. 24.
Lotion for use on chapped hands and face and after shaving. Nonspi Company. 219,800; Nov. 24.
Lotion, Mouth, nose, and throat. Fhairmount Laboratories. 221,849; Nov. 24.
Massage preparation, Liquid. G. M. Mullin. 220,969; Nov. 24.
Medicinal preparation. Hollander Bros. Drug Co. 221,967; Nov. 24.
Medicinal tonic table water, Compounded. Oceano Products Company. 218,571; Nov. 24.
Ointment. O. Temple. 220,980; Nov. 24.
Palliative for intestinal asthma, indigestion, pain and cramps, etc. G. Fiodorowsky. 220,065; Nov. 24.
Pharmaceutical preparation. B. Metzger. 221,666; Nov. 24.
Powders, toilet waters, rouges, perfumes, etc. A. P. Babcock Company. 221,872; Nov. 24.
Preparation for colds, headaches, and neuralgia. Bromo-Aspirin Co. 220,176; Nov. 24.
Preparation for the treatment of constipation and hemorrhoids. E. W. Allen. 221,084; Nov. 24.
Remedy in liquid form, Pile. Roberts Remedies Company. 220,088; Nov. 24.
Rouge, vanishing, tissue, and cleansing creams, and lemon lotion. Louis Philippe, Inc. 220,034; Nov. 24.
Salve. C. C. Marroquin. 220,313; Nov. 24.
Shampoo. Pond's Extract Company. 220,359–60; Nov. 24.
Shampoos. Hiscox Chemical Works. 218,700; Nov. 24.
Sterilizing solution. E. Schulze. 218,337; Nov. 24.
Talcum, tooth paste, bath salts, cold cream, etc. Richard Hudnut. 221,746; Nov. 24.
Toilet preparations. A. A. Lindsey. 214,732; Nov. 24.
Treatment for poultry diseases, etc., Liquid and tablet. G. J. Homan. 216,392; Nov. 24.

CLASS 8.

Smoking pipes, cigar holders, and cigarette holders. L. & H. Stern, Inc. 221,787; Nov. 24.

CLASS 10.

Gypsum, Agricultural. Centerville Gypsum Company. 220,110; Nov. 24.

CLASS 12.

Asphalt product. Minwax Company, Inc. 218,131; Nov. 24.
Board, Wall. Beaver Products Company. 220,106; Nov. 24.
Cement. E. C. Eckel. 211,908; Nov. 24.
Lumber and millwork. J. V. Greever Lumber Co. 209,573; Nov. 24.
Mortar. Wellston Iron Furnace Company. 221,792; Nov. 24.
Plaster boards and plaster wall boards. United States Gypsum Company. 221,860; Nov. 24.
United States Gypsum Company. 221,860; Nov. 24.
Stone, Artificial. A. Marzoll. 220,732; Nov. 24.
Stucco. Artisti-Kote Company. 221,156; Nov. 24.

CLASS 13.

Ball cocks. Wolverine Brass Works. 221,524; Nov. 24.
Wire screen cloth. Heilig Brothers Company. 221,421; Nov. 24.

CLASS 14.

Castings, Steel. Oklahoma Steel Castings Co. 216,472; Nov. 24.
Iron sheets and plates. Wheeling Steel Corporation. 219,650; Nov. 24.
Steel plates. Colonial Steel Company. 221,694; Nov. 24.
Steel sheets and plates. Wheeling Steel Corporation. 219,649; Nov. 24.
Steel sheets, Galvanized-. American Sheet and Tin Plate Company. 220,168; Nov. 24.
Steel, Tool. Horace T. Potts & Co. 221,506; Nov. 24.

CLASS 15.

Gasoline. Magnolia Petroleum Company. 197,034; Nov. 24.
Gasoline. C. H. Wagoner. 187,890; Nov. 24.
Gasoline, kerosene, fuel oil, and distillate. H. K. Stahl Company. 219,998; Nov. 24.
Lubricants. Bang Service Stations, Inc. 207,168; Nov. 24.
Oils and greases, Lubricating. United Oil Company. 204,287; Nov. 24.
Petroleum and products of petroleum. Standard Oil Company of New York. 218,506; Nov. 24.

CLASS 16.

Paint base, Compound for use as a cement-. Sullivan Company. 219,858; Nov. 24.
Paint base, Compound for use as a cement-. Sullivan Company. 219,862; Nov. 24.
Polish for furniture, woodwork, etc. Bouquet-Brownson Co. 219,712; Nov. 24.

CLASS 17.

Cigars and cigarettes. L. Morgenstern. 220,665; Nov. 24.

CLASS 19.

Automobiles, Passenger-carrying. Willys-Overland Company. 211,510; Nov. 24.
Vehicle parts. Commonwealth Steel Company. 218,051; Nov. 24.
Wheels and rims therefor, Vehicle. Firestone Steel Products Company. 202,868; Nov. 24.

CLASS 22.

Baseball bats. Thos. E. Wilson & Co. 219,097; Nov. 24.
Dominoes, dice, poker chips, billiard tables, etc., Chinese. Julius Schmid, Inc. 208,639; Nov. 24.

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Fish bait. Hickson-Young Company. 214,959; Nov. 24.
Golf clubs. E. F. Fraser. 219,957; Nov. 24.

CLASS 23.

Knives, clippers, scissors, etc. Friedr. Herder Abr. Sohn. 204,449; Nov. 24.
Letter-duplicating machines. Heyer Duplicator Company, Inc. 217,152; Nov. 24.
Universal joints and parts thereof. Universal Products Co. 219,506; Nov. 24.

CLASS 25.

Banks, Portable savings. American Art Works, Incorporated. 219,468; Nov. 24.

CLASS 26.

Eye-examining instruments. De Zeng Standard Co. 173,627; Nov. 24.
Gravimetric testing appararus and parts thereof. G. R. Delamater. 221,051; Nov. 24.
Picture films, Motion-. Film Booking Offices of America, Inc. 220,892; Nov. 24.
Pictures, Moving. A. J. Jensen. 220,026; Nov. 24.

CLASS 29.

Brushes, Paint and varnish. E. E. Robinson. 216,796; Nov. 24.
Comb and hairbrush, Combination. Skoglund & Olson Mfg. Co. 220,623; Nov. 24.
Mopsticks. Stover Manufacturing & Engine Co. 215,102; Nov. 24.

CLASS 30.

Plates, cups, platters, bowls, and other tableware pottery. Saxon China Company. 221,777; Nov. 24.

CLASS 32.

Beds, divans, couches, hammocks, and hammock stands. New England Bedding Company. 213,724; Nov. 24.
Cushions, Bench and seat. O. Simms Manufacturing Co. 218,216; Nov. 24.
Furniture, Household wooden. Johnson Furniture Company. 206,413; Nov. 24.
Show cases. Grand Rapids Show Case Company. 221,007; Nov. 24.

CLASS 34.

Heaters and coils, Gas. Sands Manufacturing Company. 219,993; Nov. 24.
Recuperators and air heaters. Calorizing Company. 187,662; Nov. 24.

CLASS 35.

Belting and rawhide cut lace for leather belting, Leather. Whiting Leather & Belting Co. 211,244; Nov. 24.
Tire-repair kit. J. H. Sherman. 219,647; Nov. 24.

CLASS 37.

Checks and deposit books, Bank. M. Harris. 218,411; Nov. 24.
Drafts, checks, and money orders. S. N. Holman. 219,393; Nov. 24.
Envelopes, Merchandise. J. S. Berliner. 220,016; Nov. 24.
Paper napkins. Economy Service Corporation. 219,171; Nov. 24.

CLASS 38.

Catalogue published periodically. Iron Age Publishing Company. 214,421; Nov. 24.
Comic strip. NEA Service, Inc. 207,511; Nov. 24.
Comic strip. NEA Service, Inc. 207,879; Nov. 24.
Magazine, Monthly. A. E. Harding. 220,529; Nov. 24.
Magazine, Monthly. W. H. Reed, jr. 220,468; Nov. 24.
News bulletin, Daily construction. F. W. Dodge Corporation. 219,326; Nov. 24.
Newspaper, Daily. Vanderbilt Newspapers, Inc. 217,488; Nov. 24.
Nom de plume for a particular column of news in newspaper. Morning Telegraph Company. 219,548; Nov. 24.
Nom de plume for particular column of news in newspaper. Morning Telegraph Company. 219,544; Nov. 24.
Nom de plume for particular column of news in newspaper. Morning Telegraph Company. 219,546; Nov. 24.
Periodicals, Monthly. American Crayon Company. 220,389; Nov. 24.
Printed publication issued monthly. National Butchers' and Packers' Supply Association. 220,735; Nov. 24.
Publication, Bimonthly. Conde Nast Publications, Inc. 219,945; Nov. 24.
Publications issued from time to time. W. J. Kennedy. 219,670; Nov. 24.

CLASS 39.

Aprons. Bernhard Ulmann Co. 219,871; Nov. 24.
Belts for personal wear. A. G. Gennert. 214,410; Nov. 24.
Boots and shoes. Helmholz Shoe Manufacturing Company. 220,531; Nov. 24.
Brassières, girdles, and combination brassières and girdles. L. F. Tighe. 219,560; Nov. 24.
Breast supporters, collars, belts, corsets, and hose supporters. T. M. Negri. 217,285; Nov. 24.
Cloaks, suits, and dresses. Beaver Cloak & Suit Manufacturing Co. 221,160; Nov. 24.
Coats and wraps. H. Kitzinger. 216,839; Nov. 24.
Coats, jackets, waistcoats, trousers, caps, and hats. Edward Macbean & Company Limited. 221,125; Nov. 24.
Collars. Van Zandt's Inc. 221,081; Nov. 24.
Dresses, coats, and ensemble suits. Lanvette Fashions Inc. 219,249; Nov. 24.
Garters and overall suspenders. Martin-Page Co. 219,899; Nov. 24.
Girdles, corset garters, and garters. W. F. Moore. 219,978; Nov. 24.
Gloves of leather and like material. Nobility Gloves, Inc. 202,562; Nov. 24.
Hats. F. F. Cadmus. 220,214; Nov. 24.
Hats. Regun Millinery Company. 220,322–3; Nov. 24.
Hosiery. C. R. Hazzard. 164,706; Nov. 14.
Hosiery. William Hengerer Company. 219,427–8; Nov. 24.
Hosiery. Richmond Dry Goods Co. 218,829; Nov. 24.
Hosiery, mufflers, sweaters, ties, and cravats. Pauker Bros. 212,695; Nov. 24.
Leather, tap, and slip soles. Kistler Leather Company. 221,623; Nov. 24.
Leather, tap, and slip soles. Penn Leather Company. 214,973; Nov. 24.
Overalls and overall jackets. Eckerling Brothers. 219,951; Nov. 24.
Pants for boys, Long. M. Finkelstein & Sons. 220,116; Nov. 24.
Princess and costume slips, boudoir caps. Wurdeman Textile Mills, Inc. 219,416; Nov. 24.
Shirts and blouses. C. Greenberg. 221,314; Nov. 24.
Shirts and pyjamas. Jacob Gerhardt & Sons. 210,789; Nov. 24.
Shirts, pyjamas, and blouses. Lesser and Oppenheimer Inc. 221,122; Nov. 24.
Shirts, underwear, and pyjamas. Phillips-Jones Corporation. 220,675; Nov. 24.
Shoes. London Shoe Company. 218,070; Nov. 24.
Shoes, Women's. D. Armstrong & Co. Inc. 221,689; Nov. 24.
Suits and coats, Men's. Hart, Schaffner & Marx. 221,255; Nov. 24.
Suits in the nature of overalls, Children's play. A. C. Boyd. 219,710; Nov. 24.
Sweaters, Woolen. Franklin Knitting Mills, Inc. 212,489; Nov. 24.
Ties, Bow. T. T. Rochmnn. 214,034; Nov. 24.
Undergarments, Ladies' and misses'. Gluck & Cohen. 208,976; Nov. 24.
Underwear, One-piece. Bromley-Shepard Co. 211,198; Nov. 24.

CLASS 40.

Elastic fabrics, Narrow. Townsend Manufacturing Company. 201,988; Nov. 24.
Hatbands. Columbia Ribbon Co. 220,761; Nov. 24.
Hatbands. Owl Specialty Co. 220,796; Nov. 24.

CLASS 41.

Umbrellas. Lynn Umbrella Mfg. Co. 202,998; Nov. 24.

CLASS 42.

Centerpieces, doilies, scrafs, etc. Danda Halpern Co. 220,646; Nov. 24.
Cloths and stuffs. G. & G. Kynoch Limited. 219,338; Nov. 24.
Cotton and artificial silk. Piece goods consisting of a mixture of. Goodell Hill Company, Inc. 220,340; Nov. 24.
Cotton and silk-cotton piece goods. M. Doob, Sons & Company. 207,859; Nov. 24.
Cotton piece goods. Dallas Manufacturing Co. 211,985; Nov. 24.
Cotton piece goods. Kelsey-Wilton Textile Corporation. 218,920; Nov. 24.
Cotton piece goods. Nashua Manufg. Company. 219,258; Nov. 24.
Cotton piece goods. Tootal Broadhurst Lee Company Limited. 221,648; Nov. 24.
Cotton piece goods and cotton fabrics. National Febric and Finishing Company. 217,412; Nov. 24.
Cotton piece goods, silk piece goods, and mixtures thereof. Nathan H. Rich & Bro. 221,382; Nov. 24.
Cotton, silk, and linen goods and mixtures of cotton and silk and linen and silk. Jacob Miller's Sons Co. 220,246; Nov. 24.
Cotton tablecloths, napkins, table runners, and doilies. Fearing, Whiton & Co. 213,704; Nov. 24.
Fabrics, Woven wool coating. C. Bahnsen & Co. 202,546; Nov. 24.
Fabrics, Woven worsted coating. C. Bahnsen & Co. 202,545; Nov. 24.
Mitts, Bath. B. N. Kidd. 200,452; Nov. 24.
Silk and cotton and mixtures thereof, Piece goods made of. W. T. Grant Company. 212,552; Nov. 24.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Silk and wool coating fabrics. C. Bahnsen & Co. 202,544; Nov. 24.
Silk goods in piece. Menke, Kaufmann & Co. 218,195; Nov. 24.
Silk piece goods. Golding Fabrics Corporation. 221,413–14; Nov. 24.
Silk piece goods. Spunella Limited. 214,569; Nov. 24.
Silk piece goods. Susquehanna Silk Mills. 220,374–5; Nov. 24.
Silk piece goods and silk and cotton piece goods. Susquehanna Silk Mills. 220,373; Nov. 24.
Silks and silk mixtures in the piece. Krone & Jacobson, Inc. 214,965; Nov. 24.
Woolen goods in the piece. Kemp-Booth Company Limited. 221,369; Nov. 24.
Woolen goods in the piece and in cut lengths. S. Stein & Co. 221,515; Nov. 24.
Woolen piece goods. C. M. De Land. 216,090; Nov. 24.
Woolen piece goods. Forstmann & Huffmann Company. 221,309; Nov. 24.
Woolen piece goods. Forstmann & Huffmann Company. 221,311; Nov. 24.
Woolen piece goods. Forstmann & Huffmann Company. 221,697; Nov. 24.
Woolen piece goods. Mutual Skirt Co. 205,216; Nov. 24.
Woolen piece goods. Windsor Manufacturing Co. 221,082; Nov. 24.

CLASS 43.

Yarns and tinsel thread. Elliott, Greene & Co. 221,953; Nov. 24.

CLASS 44.

Alloy for making models and filling of teeth. Crescent Dental Mfg. Co. 213,367; Nov. 24.
Dental equipment. Electro Dental Manufacturing Co. 220,220; Nov. 24.
Grinding or cutting points or wheels such as are used by dentists. Chayes System Laboratories,, Inc. 202,855; Nov. 24.
Grinding or cutting points or wheels such as are used by dentists. Chayes System Laboratories, Inc. 202,858; Nov. 24.
Grinding or cutting points such as used by dentists Chayes System Laboratories, Inc. 202,857; Nov. 24.
Irrigating apparatus, Vaginal and rectal. Clinical Supplies, Incorporated. 221,093; Nov. 24.

CLASS 45.

Beverage containing coffee and sirup for making the same. Nonalcoholic, maltless vegetable-compound. Kic-Nic, Incorporated. 189,364; Nov. 24.
Beverage sold as a soft drink. H. C. Botkin. 202,791; Nov. 24.
Beverages and extracts and flavors for making the same. Nonalcoholic, maltless. Theall & Pile, Inc. 219,864; Nov. 24.
Beverages, Nonalcoholic, maltless, carbonated. Big Bill Bottling Company. 209,558; Nov. 24.
Ginger ale. Massolt Bottling Co. 217,940; Nov. 24.
Mineral water. Miwogco Mineral Well & Sanitarium Co. 219,543; Nov. 24.
Water, Electrically-treated. G. A. Shook. 219,412; Nov. 24.

CLASS 46.

Almond paste composition. California Almond Growers Exchange. 198,285; Nov. 24.
Biscuits. Johnson Educator Food Company. 202,993; Nov. 24.
Bread. Continental Baking Company. 221,240; Nov. 24.
Butter, eggs, and sliced bacon. National Stores Corporation. 204,975; Nov. 24.
Candy. American Caramel Company. 219,929; Nov. 24.
Candy. Wm. H. Luden Inc. 202,816; Nov. 24.
Candy. Mount Joy Chocolate & Confectionery Co. 221,329; Nov. 24.
Candy. Ohio Confection Co. 221,198; Nov. 24.
Candy. Pacific Coast Biscuit Company. 218,521; Nov. 24.
Candy. Pendergast Candy Company. 218,998; Nov. 24.
Candy. Schuster Company. 218,526; Nov. 24.
Candy and candy bars. Curtiss Candy Co. 217,620; Nov. 24.
Canned salmon. McGovern & McGovern. 221,425; Nov. 24.
Canned salmon. Elmer W. Smith, Inc. 221,211; Nov. 24.
Cheese, Sweet-cream. Gould Cheese Company. 218,754; Nov. 24.
Chocolates, Filled. Riggi Bros., Inc. 205,712; Nov. 24.
Coffee. Maury-Cole Company. 221,266; Nov. 24.
Feed, Dairy. American Milling Company. 218,151; Nov. 24.
Feed, Poultry. Larrowe Milling Company. 220,195–7; Nov. 24.
Feed, Poultry. Park & Pollard Company. 220,862; Nov. 24.
Flavoring extracts. V. V. Campbell Company. 221,091; Nov. 24.
Flavoring extracts, Food-. P. Habenschaden. 220,341; Nov. 24.
Flour, Wheat. Amendt Milling Co. 214,112; Nov. 24.
Flour, Wheat. Kansas Flour Mills Company. 220,901; Nov. 24.
Flour, Wheat. Loudonville Milling Company. 220,459; Nov. 24.
Flour, Wheat. Washburn Crosby Company. 220,813; Nov. 24.
Flour, Wheat and self-rising. Model Mill Company. 219,902; Nov. 24.
Grapefruit, satsumas, tangerines, oranges, and lemons. Texas Citrus Fruit Growers Exchange. 221,147–8; Nov. 24.
Grapes, Fresh. California Land & Products Corp. 203,110; Nov. 24.
Grapes, Fresh. Starry & Way. 221,389; Nov. 24.
Oil, Olive. T. Sougelas. 220,978; Nov. 24.
Onions, Green. H. C. Pittman. 219,908; Nov. 24.
Puddings and pies, Compound for making. Fruit Valley Corporation. 202,868; Nov. 24.
Sirup. Burrow Wholesale Grocer Co. 215,890; Nov. 24.
Spinach, Fresh Texas. C. D. Jarratt Company. 207,080; Nov. 24.
Teas, spices, flavoring extracts, vinegar and mustard. H-A-S Coffee Company. 218,483; Nov. 24.
Walnuts and peanuts. Hale Company. 216,890; Nov. 24.

CLASS 48.

Beer, Near. Jacob Ruppert, Inc. 220,740; Nov. 24.
Beverages, Malt. Liebmann Breweries, Inc. 203,134; Nov. 24.
Malt extract. Bosch Food Products Co. 219,221; Nov. 24.
Malt extracts. Modern Malt Co. 221,493; Nov. 24.
Malt extracts. Providence Malt Co. 221,508; Nov. 24.
Malt extracts. Providence Malt Co. 221,510; Nov. 24.

CLASS 49.

Whisky. H. Blum. 217,917; Nov. 24.
Whisky. Kentucky Distilleries & Warehouse Co. 220,855; Nov. 24.

CLASS 50.

Shoe horn and shoe form, Combination. E. Mahler. 221,020; Nov. 24.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 24TH DAY OF NOVEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acker, Elmer L., Chicago, Ill. Disk wheel. 1,563,059; Nov. 24.

Afel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Movement and position indicator. 1,562,455; Nov. 24.

Ainsworth, Alfred W., Denver, Colo. Weighing instrument. 1,562,936; Nov. 24.

Air Reduction Company. (See Recordon, C. E., and Hille, assignors).

Albrecht, Theodore, assignor of one-half to S. Shelton, Auckland, New Zealand. Building construction. 1,562,728; Nov. 24.

Alessi, Antony, Paterson, N. J. Automobile signal switch. 1,562,858; Nov. 24.

Alexander, Milburn E. (See Alexander, William G., and M. E.)

Alexander, Orion, South Akron, Ohio. Moving buildings. 1,562,430; Nov. 24.

Alexander, William G. and M. E., Brewster, Wash. Water motor. 1,562,486; Nov. 24.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Eelectric Company. Operating electric motors. 1,563,004; Nov. 24.

Allee, William L., Topeka, Kans. Collapsible funnel. 1,563,005; Nov. 24.

Allis-Chalmers Manufacturing Company. (See Schmidt, Frans, assignor.)

Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Ironing machine. 1,563,135; Nov. 24.

Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,563,136; Nov. 24.

Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)

Aluminum Company of America. (See Jardine, Frank, assignor.)

Alvey Manufacturing Company. (See Bohn, William J., assignor)

Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Loom. 1,563,304; Nov. 24.

Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Picker motion for looms. 1,563,305; Nov. 24.

Amdyco Corporation. (See Ewer, Nathaniel T., assignor.)

American Flatlite Company, The. (See Gowdy, Robert C., assignor.)

American Gasaccumulator Company. (See Mollberg, Nils T. E., assignor.)

American Locomotive Company. (See Eells, Albert F., assignor.)

American Magnesium Corporation. (See Harvey, William G., assignor.)

American Manganese Steel Company. (See Pedersen, Otto, assignor.)

American Rolling Mill Company, The. (See Tytus, John B., assignor.)

American Shoe Machinery & Tool Company. (See Krag, Harry W., assignor.)

American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)

American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)

American Telephone and Telegraph Company. (See Toomey, J. F., and Phelps, assignors.)

Amiott, George A., Worcester, Mass. assignor to Crompton & Knowles Loom Works. Wheel-driving attachment. 1,562,607; Nov. 24.

Amme, Giesecke & Konegen, Aktiengesellschaft. (See Moog, Otto, assignor.)

Amos, John A. (See Pennington, Harry R., assignor.)

Amsler, Gus, Philadelphia, Pa. Clothes drier. 1,563,137; Nov. 24.

Ananson, Richard D., Stirling, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Ribbon mechanism for typewriters. 1,562,431; Nov. 24.

Andersen, Laurits W., assignor to Waterbury Metal Wares Company, Waterbury, Conn. Portable electric lamp. 1,562,608; Nov. 24.

Anderson, James B., Grandview, Wash. Tree guard. 1,562,729; Nov. 24.

Anderson, Maurice M., Madison, Wis. Pantograph. 1,562,859; Nov. 24.

Andersson, Eric, Khristinehamn, Sweden. Holder for bolster stakes for freight vehicles. 1,562,672; Nov. 24.

Andreason, Christian, assignor of one-half to L. A. Morrison, Marysville, Calif. Bumper. Des. 68,843; Nov. 24.

Andrew, Frederick W., Glen Head, assignor to Eisemann Magneto Corporation, Brooklyn, N. Y. Ignition Magneto. 1,563,138; Nov. 24.

Andrews, Benjamin, Houston, Tex. Magnetic screw. 1,562,730; Nov. 24.

Anschütz & Co. (See Richter, Oskar, assignor.)

Anthony, Stanley, Boston, Mass. Guide card for card indexes. 1,562,487; Nov. 24.

Applin, Clarence S., Sacramento, Calif. Holder for automobile registration cards. 1,563,139; Nov. 24.

Armstrong Cork Company. (See Fraser, Donald F., assignor.)

Armstrong, Samuel A. (See Blackburn, A. H., and Armstrong.)

Armstrong, Victor C., Hackensack, N. J., assignor to The Rail Joint Company, New York, N. Y. Lightened construction for rail joints. 1,562,609; Nov. 24.

Arnold, James F., assignor to C. A. Norwood, Kaufman, Tex. Cotton chopper. 1,562,731; Nov. 24.

Arsneau & Sons Saw Company. (See Arsneau, Edward P., assignor.)

Arsneau, Edward P., assignor to Arsneau & Sons Saw Company, Minneapolis, Minn. Portable sawing machine. 1,562,732; Nov. 24.

Asiatic Petroleum Company, The. (See Lawson, Joseph, assignor.)

Aske, Leonard E., Duluth, Minn. Electric heater or vaporizer. 1,562,673; Nov. 24.

Aslanian, Michael, Los Angeles, Calif. Harp fork. 1,563,141; Nov. 24.

Atwood, Harry N., Monson, assignor to Rubwood, Inc., Lawrence, Mass. Solid-tire vehicle wheel. 1,562,674; Nov. 24.

Augenbraun, Peter F., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Automobile door lock. 1,563,060; Nov. 24.

Augsburger, Marthe, Geneva, Switzerland. Machine for sharpening razor blades. 1,562,733; Nov. 24.

Auto Light Control Company. (See Naylor, Jonathan R., assignor.)

Automatic Furnace Oxidator and Manufacturing Company, The. (See Miller, John J. A., assignor.)

Babcock & Wilcox Company, The. (See Sneddon, James P., assignor.)

Badische Anilin- & Soda-Fabrik. (See Neresheimer, Heinrich, assignor.)

Badische Anilin- & Soda-Fabrik. (See Wietzel, Gustav and R., assignors.)

Badt, Roy A., Los Angeles, Calif. Means employed in reenforced concrete construction. 1,562,819; Nov. 24.

Baehr, George, Irwin, Pa. Adjustable leading-out guide. 1,562,488; Nov. 24.

Baer & Wilde Company, The. (See Wilde, Eben F., assignor.)

Baier, Robert C., Nisbit, Pa. Railway-crossing gate. 1,563,142; Nov. 24.

Ballie, Samuel, Camden, N. J. Valve for automobile hydraulic brakes. 1,563,143; Nov. 24.

Baird, Daniel S., Hamilton, Ontario, Canada. Magazine-wrapping machine. 1,562,610; Nov. 24.

Baker Casing Shoe Company. (See Baker, Reuben C., assignor.)

Baker, Dexter C., Oakland, assignor to Baker-Hansen Manufacturing Co., Alameda, Calif. Air compressor and valve. 1,563,144; Nov. 24.

Baker-Hansen Manufacturing Co. (See Baker, Dexter C., assignor.)

Baker, Reuben C., Coalinga, Calif., assignor to Baker Casing Shoe Company. Coupling for well casings. 1,562,675; Nov. 24.

Balda, Joseph, assignor to A. H. Heisey & Co., Newark, Ohio. Sherbet or similar article. Des. 68,844; Nov. 24.

Baldeschwieler, Emile L., New York, N. Y., assignor to Standard Development Company. Obtaining vanadium values, etc. 1,563,061; Nov. 24.

Barber-Greene Company. (See Evans, Charles E., assignor.)

Bargen, William J., and W. R. Brennan, Missoula, Mont. Seat. 1,563,145; Nov. 24.

Bargman, Theodore. (See Pettee, F. L., and Bargman.)
Barker, Thomas L., assignor to Philadelphia Steam Heating Company, Philadelphia, Pa. Automatic thermoregulator for boiler and other furnaces. 1,563,062; Nov. 24.
Barnard, Arthur W., Newton Center, Mass. Chute construction for coin-controlled machines. 1,563,146; Nov. 24.
Barnett, Walter, and J. Florendine, Rugby, England. Tilting mechanism of self-discharging wagons. 1,562,860; Nov. 24.
Barol, Hugo. (See Forst, Harry S., assignor.)
Barry, William F., Los Angeles, Calif. Advertising card. Des. 68,845; Nov. 24.
Bartlett, George H., San Francisco, Calif. Paper container. 1,563,063; Nov. 24.
Bartlett, George H., San Francisco, Calif. Label-Applying Machine. 1,563,147; Nov. 24.
Bartlett, Harry M. (See Ott, George S., assignor.)
Bartol, George E., jr., Philadelphia, Pa., and L. A. Hawkes, Merchantville, assignors to C. Howard Hunt Pen Company, Camden, N. J. Shipping and display carton. 1,563,148; Nov. 24.
Bass, Frederick D., assignor of one-half to B. W. Seidomridge, Colorado Springs, Colo. Composition of matter for preventing corrosion and sulphation of storage batteries. 1,562,489; Nov. 24.
Bassett, Harry P., Cynthiana, Ky. Making arsenates. 1,562,490; Nov. 24.
Baudet, Louis, Paris, France. Running gear for locomotives with four driving axles. 1,562,734; Nov. 24.
Beardmore, Clarence A., Annapolis, Md. Screw driver. 1,563,064; Nov. 24.
Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Sprocket wheel. 1,562,937; Nov. 24.
Beardsley & Piper Company, The. (See Beardsley, E. O., and Piper, assignors.)
Beasley, Walter H. (See Edser, E., and Beasley.)
Beeson, Francis E., Topeka, Kans. Grain-dispensing valve. 1,563,006; Nov. 24.
Belcher, Claude, Des Moines, Iowa. Demountable rim. 1,562,676; Nov. 24.
Belcher, Warren J., assignor to The Whitney Mfg. Co., Hartford, Conn. Chain and parts therefor. 1,563,065; Nov. 24.
Bell, Edwin H. (See Kruttschnitt, J., and Bell.)
Bell, John H., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Selecting system. 1,563,007; Nov. 24.
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin Electric Manufacturing Company. (See McClatchie, Stanley, assignor.)
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical-fixture-supporting device. 1,562,611; Nov. 24.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical-fixture-supporting device. 1,562,612; Nov. 24.
Benner, Harvey F., assignor to The Buckeye Auxiliary Spring Company, Toledo, Ohio. Auxiliary spring device. 1,563,149; Nov. 24.
Berbig, Henry F., Duluth, Minn. Bedstead. 1,562,861; Nov. 24.
Berg, Charles E., McIntosh, Minn. Mail-box signal. 1,562,536; Nov. 24.
Bernau, Frederick W., assignor to Ellis Adding-Typewriter Company, Newark, N. J. Automatic nonprinting mechanism. 1,562,491; Nov. 24.
Berner, Jesse S. (See Leich, A. C., and Berner.)
Berry, George A., Somerville, N. J. Feeding solids or semisolids to chemical apparatus. 1,563,066; Nov. 24.
Bersch, Arthur W., Milwaukee, Wis. Measuring scoop. 1,562,432; Nov. 24.
Besancon, Elise A. (See Turoff, W. J., and Besancon.)
Bethlehem Steel Company. (See Lehman, Edgar R., assignor.)
Betts, Arthur L. (See Davis, A., jr., and Betts.)
Beyea, Frank H., assignor to J. R. Gammeter, Akron, Ohio. Bead for pneumatic tires. 1,562,677; Nov. 24.
Beyea, Frank H., assignor to J. R. Gammeter, Akron, Ohio. Tire-bead construction. 1,562,678; Nov. 24.
Binks, Thomas M. (See Elliott, Robert, assignor.)
Bisset, David L., assignor to A. R. Whittal Can Company, Limited, Montreal, Quebec, Canada. Can-end drier. 1,562,938; Nov. 24.
Blackburn, Arthur H., Worcester, Mass., and S. A. Armstrong, Detroit, Mich., assignors, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass. Underfeed stoker. 1,563,008; Nov. 24.
Blaine, Joseph R., Oak Park, assignor to Miehle Printing & Manufacturing Company, Chicago, Ill. Sheet-guide adjustment. 1,563,067; Nov. 24.
Blake, Belden H., Cleveland, Ohio. Piston ring. 1,562,613; Nov. 24.
Blakeslee, George R., executor. (See Blakeslee, George S.)
Blakeslee, George S., deceased, Oak Park, Ill.; G. R. Blakeslee, executor. Dish-holding rack. 1,562,614; Nov. 24.
Bledsoe, Carl F., Chicago, Ill. Material steam drier. 1,562,679; Nov. 24.
Blest, Minot C., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Clasp brake. 1,563,150; Nov. 24.
Bloch, Clarence F. (See Brackett, D. B., and Bloch.)
Blum, Frederick J., sr., Oak Park, Ill. Time-controlled mechanism. 1,562,537; Nov. 24.
Bodmer, Christian. (See Walter, H. S., and Bodmer.)
Bodmer, Christian, assignor to The Stanley Works, New Britain, Conn. Ratchet screw driver. 1,562,862; Nov. 24.
Bohl, Hugo, Westfield, N. J., assignor to The Efcolite Corporation. Lightning-fixture bracket. Des. 68,846; Nov. 24.
Böhm, Otto, Berlin, Germany, assignor to General Electric Company. Dynamo-electric machine. 1,563,009; Nov. 24.
Bohn, William J., assignor to Alvey Manufacturing Company, St. Louis, Mo. Retarder for gravity conveyers. 1,562,680; Nov. 24.
Bonaly, Louis F., Leavenworth, Kans. Batten nail. 1,562,681; Nov. 24.
Bond Foundry and Machine Company. (See Bowen, James, assignor.)
Bongiovanni, Luca, Torino, Italy. Distribution and control arrangement for two-stroke engines. 1,562,735; Nov. 24.
Bonney, Henry L., North Andover, assignor of one-half to G. G. Brown, Lawrence, Mass. Self-threading shuttle. 1,563,068; Nov. 24.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,562,433; Nov. 24.
Booth, Bernard L., Lewistown, Mont. Centrifugal casting apparatus. 1,563,151; Nov. 24.
Bourgeault, Nadeau L., assignor to Roos Bros., San Francisco, Calif. Emblematic pin. Des. 68,847; Nov. 24.
Bowen, James, assignor to Bond Foundry and Machine Company, Manheim, Pa. Tread guard for casters. 1,563,152; Nov. 24.
Brackett, Daniel B., and C. F. Bloch, Whipple, W. Va. Coal plow. 1,563,153; Nov. 24.
Bradish, Perry J., Kansas City, Mo. Doorstop. Des. 68,848; Nov. 24.
Bradrick, George M., Los Angeles, assignor of one-half to C. E. Hodges, Springville, Calif. Grease plug and wrench. 1,563,069; Nov. 24.
Brady, John B., Somerset, Md., assignor to Morkrum Company, Chicago, Ill. Radio receiving system. 1,562,820; Nov. 24.
Brager, Carl S. (See Brager, Oliver and C. S., Thovson, and Bray.)
Brager, Oliver and C. S., Clear Lake, T. O. Thovson and E. Bray, Hamlontown, Iowa. Gravity door hinge. 1,563,154; Nov. 24.
Brandau, Harold L., assignor to Huttig Manufacturing Co., Muscatine, Iowa. Clamping device for combination storm and screen doors. 1,563,070; Nov. 24.
Brandt, Fokko H. G., Kansas City, Kans., and G. K. Krell, Kansas City, Mo. Knockdown scaffold. 1,563,306; Nov. 24.
Brandwood, John, T., and J., Elton, Bury, England. Apparatus for dyeing wound yarns on spindles. 1,562,736; Nov. 24.
Brandwood, Joseph. (See Brandwood, John, T., and J.)
Brandwood, Thomas. (See Brandwood, John, T., and J.)
Braun, Carl F., San Francisco, Calif. Condenser. 1,562,682; Nov. 24.
Bray, Elmer. (See Brager, Oliver and C. S., Thovson, and Bray.)
Brecknell, Henry E. F., assignor to Brecknell, Munro & Rogers Limited, Bristol, Gloucester, England. Collector for articles on delivery from printing, punching, and like machines. 1,563,071; Nov. 24.
Brecknell, Munro & Rogers Limited. (See Brecknell, Henry E. F., assignor.)
Breedis, John, Philadelphia, Pa., assignor to Rohm & Haas Company. Tans comprising a reaction product of sulphite cellulose. 1,563,010; Nov. 24.
Brennan, William R. (See Bargen, W. J., and Brennan.)
Brenneman, John A., assignor of one-half to E. Turner, Milwaukee, Wis. Automatic switch for electric circuits. 1,563,072; Nov. 24.
Brickley, Daniel B., Warren, Ohio. Combination table and ironing board. 1,562,538; Nov. 24.
Brisbois, Odilon, Chicago, Ill. Drive for starting internal-combustion engines. 1,562,683; Nov. 24.
Broadbridge, Walter E. Edser, and W. G. Sellers, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y. Purification or extraction of soluble substances. 1,562,863; Nov. 24.
Brochu, Aimée D., Hartford, Conn. Bushing-contracting device. 1,562,615; Nov. 24.
Brochu, Aimée D., Hartford, Conn. Sleeve-extracting device. 1,562,616; Nov. 24.
Brookes, Arthur J. C. (See Sears, J. E., jr., and Brookes.)
Brookes, Arthur J. C., Bridgnorth, England. Form of end-measuring bar. 1,563,011; Nov. 24.
Brooks, Benjamin T., Bayside, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation. Making motor spirits and refining petroleum products. 1,563,012; Nov. 24.
Broscosky, Frank, Haywood, W. Va. Mining drill. 1,562,864; Nov. 24.





Brown, Abram, Maywood, N. J. Strainer. 1,562,492; Nov. 24.
Brown, Cremer F. (See Jandus, H. S., and Brown.)
Brown, George G. (See Bonney, Henry L., assignor.)
Brown, Herbert L., Richmond, Va. Floor ventilator. 1,562,865; Nov. 24.
Brown, Jesse W., et al. (See Replogle, Ulysses G., assignor.)
Brown, Mortimer J., Niagara Falls, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Synthesizing gas in electric furnaces. 1,562,684; Nov. 24.
Brunett, Dewitt A., Minneapolis, Minn. Hot-air heating system. 1,562,737; Nov. 24.
Brunner, Harold E., Larchmont, N. Y. Loose pulley. 1,563,013; Nov. 24.
Bruso, Henry, and R. Krum, St. Clair, Mich. Filter. 1,563,247; Nov. 24.
Bryant Electric Company, The. (See Catlin, Hoyt, assignor.)
Buckeye Auxiliary Spring Company. (See Benner, Harvey F., assignor.)
Buckingham, Maria L., Decatur, Ill. Teapot. 1,563,155; Nov. 24.
Budd Wheel Company. (See Finkbeiner, Charles, assignor.)
Buffalo Foundry & Machine Company. (See Miles, Henry D., assignor.)
Bunds, Lester A., Santa Clara, assignor to San Jose Spray Mfg. Co., San Jose, Calif. Method for coating particles with inert powder. 1,562,821; Nov. 24.
Bunting Iron Works. (See Delaney, Herbert L., assignor.)
Burch, Henry K., Los Angeles, Calif. Crushing-roll apparatus and process. 1,562,617; Nov. 24.
Burch, Henry K., Los Angeles, Calif. Grinding system for ore, rock, etc. 1,562,618; Nov. 24.
Burgess, Charles P., Bethesda, Md. Airship construction. 1,562,434; Nov. 24.
Burgess, Charles P., Bethesda, Md. Airship construction. 1,562,435; Nov. 24.
Burgess, Norman W., Lexington, Va. Game apparatus. 1,562,866; Nov. 24.
Burman, George A., assignor to E. J. Woodison Company, Detroit, Mich. Core-making machine. 1,563,156; Nov. 24.
Burman, Joseph F. O., Brockton, Mass. Mold for pedal cushions. 1,562,685; Nov. 24.
Burnham, George A., Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company. High-tension electric switch. 1,562,788; Nov. 24.
Burnham, George A., Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company. Electric switching apparatus. 1,562,789; Nov. 24.
Burnham, James E., and E. A. Jones, Pomona, Calif. Direction-indicating signal for vehicles. 1,562,740; Nov. 24.
Burns, Robert C., Altoona, Pa. Locomotive power reverse gear. 1,562,939; Nov. 24.
Burrough, Eber, Camden, N. J. Machine for unreeling and spooling typewriter ribbons. 1,563,157; Nov. 24.
Burroughs, Charles W., Montreal, Quebec, Canada. Furnace arch. 1,563,248; Nov. 24.
Burrows, Charles H. (See Jordan, L. E., and Burrows.)
Burton, Charles S., Oak Park, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vacuum fuel-feeding device for internal-combustion engines and the like. Re16,217; Nov. 24.
Bush, George B., assignor to Continental Scriptex Ink Co., Philadelphia, Pa. Brush holder for bottle caps. 1,562,867; Nov. 24.
Butterworth, Joseph A. (See Morris, H., and Butterworth.)
C. G. Spring & Bumper Company. (See Flum, Robert A., assignor.)
C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Brown, assignors.)
Cable, Julius L., assignor to The Cable Corporation, Boston, Mass. Folding camp chair. 1,563,073; Nov. 24.
Cable Corporation, The. (See Cable, Julius L., assignor.)
California Cedar Products Company. (See Makowski, John F., assignor.)
California Cyanide Company. (See Metzger, F. J., and Neuls, assignors.)
California Cyanide Company. (See Poindexter, Robert W., assignor.)
Camfield, Russell W., Berkeley, and R. M. Wise, Oakland, assignors to E. T. Cunningham, San Francisco, Calif. Variable inductance. 1,562,619; Nov. 24.
Campbell, Charles S., New Haven, and W. H. Day, East Haven, assignors to Index Visible, Inc., New Haven, Conn. Index or file. 1,563,158; Nov. 24.
Campbell, Fred E. (See Jackson, G. F., and Campbell.)
Campbell, J. B., Manufacturing Co. (See Siegel, Samuel J., assignor.)
Candido, Raffaele, Baltimore, Md. Whirling toy. 1,563,249; Nov. 24.
Capon, Frank J., Camden, N. J. Trigger guard. 1,563,250; Nov. 24.
Carbide and Carbon Chemicals Corporation. (See Brooks, Benjamin T., assignor.)
Cardullo, Forrest E. (See Hunt, H. W., and Cardullo.)
Carlson, Charles F., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow. 1,563,252; Nov. 24.
Carlson, Philip, assignor to Metropolitan Body Company, Bridgeport, Conn. Windshield. 1,563,159; Nov. 24.
Carroll, Fred M., assignor to The Tabulating Machine Company, Endicott, N. Y. Tabulating-card printer. 1,563,014; Nov. 24.
Carroll, Thomas, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,562,686; Nov. 24.
Catlin, De Forest B., Boston, Mass. Actinic-ray charting device. 1,563,074; Nov. 24.
Catlin, Hoyt, Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,563,160; Nov. 24.
Central Forging Company. (See Long, Fred R., assignor.)
Chaffee, Amos E. (See Lee, H. S., Chaffee, and Millard.)
Chaplin, Merle P., White Plains, assignor to Western Electric Company, Incorporated, New York, N. Y. Translating device. 1,562,436; Nov. 24.
Chapman Valve Manufacturing Company, The. (See Smith, Emory T., assignor.)
Chappell, Marvin L., Inglewood, assignor to Standard Oil Company, San Francisco, Calif. Treating decolorizing and clarifying hydrous magnesium silicates. 1,562,868; Nov. 24.
Cherlanchakevich, Andrew, Winnipeg, Manitoba, Canada. Automatic rodent trap. 1,562,493; Nov. 24.
Chernoff, Hyman, New York, N. Y. Pocket latch. 1,563,251; Nov. 24.
Chiverton, Herbert. (See Syvertsen, Ole, assignor.)
Christenson, George, North Plainfield, N. J., assignor to Johns-Manville, Inc., New York, N. Y. Pressure packing. 1,563,161; Nov. 24.
Christenson, George, North Plainfield, N. J., assignor to Johns-Manville, Incorporated, New York, N. Y. Swab and packing for deep wells. 1,563,162; Nov. 24.
Christenson, George, North Plainfield, N. J., assignor to Johns-Manville, Incorporated, New York, N. Y. Swab packing for deep wells. 1,563,163; Nov. 24.
Christenson, George, North Plainfield, N. J., assignor to Johns-Manville, Incorporated, New York, N. Y. Reenforced swab cup. 1,563,164; Nov. 24.
Christy, James, administrator. (See Christy, May C.)
Christy, May C., deceased, Cleveland, Ohio; J. Christy, administrator. Laundry appliance. 1,563,015; Nov. 24.
Clapham, Charles F., assignor of one-third to H. S. Miller, Baltimore, Md. Shaft coupling. 1,562,437; Nov. 24.
Clark, James E. (See Clark, Thomas E., and J. E.)
Clark, Thomas E., and J. E., assignors to Continuous Train Control Corporation, Detroit, Mich. Governor. 1,563,075; Nov. 24.
Clark, William D., Washington, D. C. Fire-control mechanism for airplane guns. 1,563,165; Nov. 24.
Clefton, Claud J., assignor to R. P. Clefton, Owatonna, Minn. Acetylene generator. 1,563,016; Nov. 24.
Clefton, Ruth P. (See Clefton, Claud J., assignor.)
Clements, Elbert A. (See Page, Hattie J., assignor.)
Cockshutt Plow Company. (See Hutchinson, Edward A., assignor.)
Cofin, Walter E., assignor, by mesne assignments, to Nation Malleable and Steel Castings Company, Cleveland, Ohio. Transition coupler. 1,563,017; Nov. 24.
Colbert, George F. and W. H., Pittsburgh, Pa. Mirror. 1,563,018; Nov. 24.
Colbert, William H. (See Colbert, George F. and W. H.)
Cole, Don, assignor of one-half to J. A. Dienner, Chicago, Ill. Internal-combustion engine. 1,562,539; Nov. 24.
Cole, Leonard J., Buffalo, N. Y. Hinged lug for brake shoes. 1,562,687; Nov. 24.
Coleman Lamp Company, The. (See Ellis, Ray E., assignor.)
Collins, Newell L., Clarinda, Iowa. Production of silicic acid. 1,562,940; Nov. 24.
Colonial Lamp & Fixture Works, Inc. (See Nelson, Theodore J., assignor.)
Colorgraph Laboratory, Inc. (See Hernandez-Mejia, Arturo, assignor.)
Columbia Knitting & Mfg. Company. (See Mahler, Eugene H., assignor.)
Comegys, E. F. (See Davis, Scott J., assignor.)
Comings, Antionette V., East Grand Forks, Minn. Bobbed-hair curler. 1,562,869; Nov. 24.
Complex Ores Recoveries Company, The. (See Coolbaugh, M. F., and Read, assignors.)
Conant, Franklin N., Newburyport, Mass. Renewable electric fuse. 1,562,494; Nov. 24.
Condit Electrical Manufacturing Company. (See Burnham, George A., assignor.)
Conners, Edward R., assignor to The Precision Truing Machine and Tool Company, Cincinnati, Ohio. Abrading pencil. 1,562,941; Nov. 24.
Conti, Emile. (See Fontana, Charles A., assignor.)
Continental Scale Works. (See Weber, Mathis J., assignor.)
Continental Scriptex Ink Co. (See Bush, George B., assignor.)
Continuous Train Control Corporation. (See Clark, Thomas E. and J. E., assignors.)
Coolbaugh, Melville F., and J. B. Read, Golden, assignors to The Complex Ores Recoveries Company, Denver, Colo. Treating manganese silver ores. 1,562,942; Nov. 24.

Cooper, Hugh S., Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc. Tin-zirconium alloy and making the same. 1,562,540; Nov. 24.
Copland, Alexander W., Detroit, Mich. Truing gears. 1,562,438; Nov. 24.
Corblin, Henri, Paris, France. Diaphragm compressor. 1,563,166; Nov. 24.
Corfield, Stephen H., San Diego, Calif. Oil-shale retort. 1,562,541; Nov. 24.
Corne, Charles L., Broussard, La. Brush pan. 1,563,254; Nov. 24.
Crossley, Cora A., Guardian. (See Crossley, Francis M.)
Corrall, Herbert, Helensburgh, and B. A. Stevens, Clydebank, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 1,563,076; Nov. 24.
Cotabish, Nelson C., Cleveland, Ohio, assignor to National Carbon Company, Inc. Connecter for firing explosive charges. 1,563,253; Nov. 24.
Couch, Jay J., Bismarck, N. Dak. Stone puller. 1,563,255; Nov. 24.
Cox, James W., assignor to Pacific Flush Tank Company, Chicago, Ill. Intake regulator for siphon tanks. 1,562,542; Nov. 24.
Cox, Seth J., Franklin, Pa. Screw driver. 1,562,543; Nov. 24.
Coyne, James H., Port Townsend, Wash. Excavating and dumping apparatus. 1,562,741; Nov. 24.
Craig, Robert, assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Dumping device for scales. 1,563,019; Nov. 24.
Crane, Robert R., Menominee, Mich. Gang-saw hanger. 1,563,256; Nov. 24.
Crawford, Charles S., Pittsburgh, Pa. Artificial bait. 1,562,439; Nov. 24.
Creighton, Martin E. (See Gaines, J. S., and Creighton.)
Crisler, John S., Carson, Iowa. Filter and trap. 1,563,259; Nov. 24.
Cromley, John M., Lewisburg, Pa. Pipe-end trimmer. 1,563,260; Nov. 24.
Crompton & Knowles Loom Works. (See Amiott, George A., assignor.)
Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)
Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
Crossley, Francis M., Detroit, Mich.; C. A. Crossley, guardian of said Francis M. Crossley, incompetent person. Switch box. 1,563,257; Nov. 24.
Crum, Roland R., Whittier, Calif., assignor to L. & B. Producing & Drilling Co. Pump. 1,562,688; Nov. 24.
Cummings, Cleveland S., San Francisco, Calif. Constant-clearance piston. 1,563,167; Nov. 24.
Cummins, George C., Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. 1,562,943; Nov. 24.
Cunningham, Charles L., Baltimore, Md. Ink. 1,562,544; Nov. 24.
Cunningham, E. T. (See Camfield, R. W., and Wise, assignors.)
Cunningham, John A., Bethlehem, Pa. Automobile signal. 1,563,258; Nov. 24.
Curtis, Arthur R., Cleveland, Ohio. Washer drive mechanism. 1,562,440; Nov. 24.
Curtis, Simon P., Missouri Valley, Iowa. Combined harrow and grass seeder. 1,563,261; Nov. 24.
Curtis, Thomas S., assignor to Universal Optical Corporation, Providence, R. I. Apparatus for burning brick. 1,562,441; Nov. 24.
Cutler-Hammer Mfg. Co., The. (See Horter, Bayard M., assignor.)
Cutler-Hammer Mfg. Co., The. (See Tregoning, William C., assignor.)
Cutlip, Samuel N., Walla Walla, Wash. Collar brace. 1,563,168; Nov. 24.
Dalton, William, Schenectady, N. Y. Armor-piercing shell. 1,562,495; Nov. 24.
Danforth, George H., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Fabricated structural member. 1,563,077; Nov. 24.
Daniel, William G., and N. Rogers, Sunburst, N. C. Shock absorber. 1,563,169; Nov. 24.
Daniels, Lloyd C., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Digestion and filtration apparatus. 1,562,870; Nov. 24.
Davidson, James L., Los Angeles, Calif. Counter. 1,562,944; Nov. 24.
Davidson, William M., East View, Ky. Engine timer. 1,562,742; Nov. 24.
Davis, Albert C., Liverpool, England. Ice-manufacturing apparatus. 1,562,871; Nov. 24.
Davis, Alva M., Salt Creek, Wyo. Piston. 1,563,262; Nov. 24.
Davis, Augustine, jr., and A. L. Betts, Cincinnati, Ohio; said Betts assignor to said Davis. Can. 1,562,496; Nov. 24.
Daw, Albert W. and Z. W., London, England. Rotary drilling machine. 1,562,873; Nov. 24.
Davis, Harold G., Denver, Colo. Oil-dispensing casing. Des. 68,849; Nov. 24.
Davis, Harry B., jr. (See Jones, E. L., and Davis.)
Davis, James C., Chicago, Ill. Apparatus for tempering. 1,563,171; Nov. 24.
Davis, James C., Hinsdale, Ill. Tempering. 1,563,170; Nov. 24.
Davis, Kenneth, St. Benedict, Pa., assignor to R. Peale, New York, N. Y. Distant control for automotive machines and material-handling machines. 1,562,872; Nov. 24.
Davis, Scott J., assignor to E. F. Comegys, Oklahoma City, Okla. Preserved flavored milk drink and preparing same. 1,563,020; Nov. 24.
Daw, Albert W., and Z. W., London, England. Rotary engine. 1,562,743; Nov. 24.
Daw, Zacharias W. (See Daw, Albert W. and Z. W.)
Day, William H. (See Campbell, C. S., and Day.)
Dayton Scale Company. (See Craig, Robert, assignor.)
Dean, Mary E., executrix. (See Dean, William W.)
Dean, William W., deceased, Lowell, Mass., by M. E. Dean, executrix, Birmingham, Mich., assignor to General Phonograph Manufacturing Company, Elyria, Ohio. Push-button switch. 1,562,689; Nov. 24.
De Bajligethy, Max F., Houston, Tex. Still. 1,562,690; Nov. 24.
Defender Lock Co., The. (See Tobler, Ernest, assignor.)
De Graaf, Martin, assignor, by mesne assignments, to Wolverine Metal Specialties Co., Grand Rapids, Mich. Cap for automobile radiators. 1,562,691; Nov. 24.
Deibel, Cyril P., Youngstown, assignor to The Twin Dry Cell Battery Company, Cleveland, Ohio. Making dry batteries. 1,562,945; Nov. 24.
Delaney, Herbert L., assignor to Bunting Iron Works, San Francisco, Calif. Rotary oil burner. 1,562,874; Nov. 24.
De Rochefort-Lucay, Claude, Brooklyn, N. Y. Supercharger for aeroplane engines. 1,562,692; Nov. 24.
Derry, William R., Augusta, Ga. Combined cigarette container and ash tray. 1,562,497; Nov. 24.
De Segundo, Edward C., London, England. Defibrating cottonseed and other fiber-bearing material. 1,563,263; Nov. 24.
Det Norske Aktieselskab for Elektrokemisk Industri. (See Ravner, Oystein, assignor.)
Detroit Trailer Company. (See Hartwick, Ernest F., assignor.)
De Vries, Daniel, Nutley, N. J. Flasher steam heating apparatus. 1,562,498; Nov. 24.
De Zeng, Henry L., Moorestown, assignor to De Zeng Standard Company, Camden, N. J. Ophthalmologic instrument. 1,563,172; Nov. 24.
De Zeng Standard Company. (See De Zeng, Henry L., assignor.)
Dial, Archie M., Washington, Ind. Snath for scythes and the like. 1,563,264; Nov. 24.
Dienner, John A. (See Cole, Don, assignor.)
Dill, Richard E., Alexandria, Nebr. Cistern. 1,562,693; Nov. 24.
Dill, William, Rushville, Ind. Hog trough. 1,562,820; Nov. 24.
Dillow, Johnie L., Big Stone Gap, Va. Golf-tee reel. 1,562,744; Nov. 24.
Disbrow, Clarkson A., New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Welded rail joint. 1,562,621; Nov. 24.
Dixon, Paul, Atlanta, Ga. Flanged type. 1,562,265; Nov. 24.
Dodge, Adiel Y., South Bend, Ind., assignor by mesne assignments to Bendix Brake Company, Chicago, Ill. Brake construction. 1,562,828; Nov. 24.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Vehicle brake-shoe carrier plate and bracket mechanism therefor. 1,562,822; Nov. 24.
Dodge, Arthur R., assignor of one-half to F. W. Douglas, Los Angeles, Calif. Guide and folder. 1,562,622; Nov. 24.
Dodge, Brothers Inc. (See Huff, Russell, assignors.)
Dodge, C. B., Company. (See Hardy, Frederick, J. G., assignor.)
Doerres, John H., St. Louis, Mo., assignor to Pennsylvania Crusher Company, New York, N. Y. Coal breaker or crusher. 1,563,173; Nov. 24.
Donald, William H., assignor to The F. A. Knowles Slicer Company, Cincinnati, Ohio. Slicing machine. 1,562,623; Nov. 24.
Douglas, F. W. (See Dodge, Arthur R., assignor.)
Dowdall, Roy L., assignor, by mesne assignments, of one-half to J. F. Martin, Oberlin, Kans. Device for removing dust from grain elevators. 1,562,946; Nov. 24.
Dowers, Chester M., and M. R. Logan, Cheyenne, Wyo., Direction indicator for motor vehicles. 1,562,745; Nov. 24.
Dubben, Harry H., and F. B. Easton, New York, N. Y. Automobile headlight. 1,562,875; Nov. 24.
Dubetz, Samuel. (See Milbrath, William, assignor.)
Dumbleton, John H., and E. C. Lindberg, Los Angeles, Calif. Self-adapting sleeve stretcher. 1,563,174; Nov. 24.
Duncan Electric Manufacturing Company. (See Harris, Jesse, assignor.)
Dunlop Rubber Company, The. (See Penfold, Albert E., assignor.)
Duprey, Alfred I., Eureka, Calif. Making soles for shoes. 1,562,624; Nov. 24.





Durbin, Vernon, Newton, assignor to the Holtzer-Cabot Electric Company, Roxbury, Mass. Apparatus for testing telephone receivers. 1,562,545; Nov. 24.
Durham, Robert L., Buena Vista, Va. Gate. 1,563,266; Nov. 24.
Easton, Frank B. (See Dubben, H., and Easton.)
Eaves, Augustus J., Ossining, assignor to Western Elec-
Eaton Axle & Spring Company, The. (See McIntyre, Michael M., assignor.)
tric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,562,947; Nov. 24.
Eckermann, August, New York, N. Y. Spring shade roller. 1,563,267; Nov. 24.
Economy Engineering Company, The. (See Trenn, Frank W., assignor.)
Edser, Edwin. (See Broadbridge, W., Edser, and Sellers.)
Edser, Edwin, and W. H. Beasley, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y. Treatment of finely-divided coal and the production of briquettes. 1,562,876; Nov. 24.
Edwards, Charles A., and C. F. Messer, Zillah, Wash. Power wheel. 1,563,175; Nov. 24.
Edwards, Robert C., Elizabeth, N. J., assignor to Radio Corporation of America. Cabinet for radioreceivers. Des. 68,850; Nov. 24.
Edwards, William C., jr., Kansas City, Mo. Safety razor. 1,562,546; Nov. 24.
Eells, Albert F., Rochester, assignor of one-half to American Locomotive Company, New York, N. Y. Stockless anchor. 1,562,746; Nov. 24.
Efcolite Corporation, The. (See Bohl, Hugo, assignor.)
Elmer, August, New York, N. Y. Protective means for the containers of valuables. 1,563,176; Nov. 24.
Elsemann Magneto Corporation. (See Andrew, Frederick W., assignor.)
Elgin American Manufacturing Co. (See Lester, William H., assignor.)
Elliott, Harmon P., Cambridge, Mass. Stencil-printing machine. 1,563,268; Nov. 24.
Elliott, Robert, assignor of one-half to T. M. Binks, New Haven, Conn. Paint shield. 1,562,948; Nov. 24.
Ellis Adding-Typewriter Company. (See Bernau, Frederick W., assignor.)
Ellis, George H., St. Paul, Minn. Insulating plaster board. 1,562,499; Nov. 24.
Ellis, Ray E., assignor to The Coleman Lamp Company, Wichita, Kans. Folding camp-stove oven. 1,562,747; Nov. 24.
Ellis, William G., Philadelphia, Pa. Radio receiving system. 1,562,877; Nov. 24.
Elmes Engineering Works. (See Matter, Albert J., assignor.)
Ely, Bernard M., assignor to Lambert Machine Co., Marshall, Mich. Casing for a coffee mill. Des. 68,851; Nov. 24.
Engel, Charles L. and W. S., Kansas City, Mo. Loose-leaf book. 1,562,748; Nov. 24.
Engel, Walter S. (See Engel, Charles L. and W. S.)
Erdos, George G., assignor to Independent Paper Mills Inc., Brooklyn, N. Y. Dispenser for napkins and the like. 1,563,078; Nov. 24.
Ernst, Dee L. and H. H., Evansville, Ind. Ellipsograph. 1,562,749; Nov. 24.
Ernst, Harry H. (See Ernst, Dee L. and H. H.)
Erwin, Orlando R., Forest Hills, assignor to Foamite-Childs Corporation, New York, N. Y. Fire-extinguishing apparatus. 1,562,949; Nov. 24.
Escombe, Robert O., Sevenoaks, Kent, England. Spring suspension of vehicle wheels. 1,562,824; Nov. 24.
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Receiving circuits for low-frequency impulses. 1,562,500; Nov. 24.
Ettwein, Charles F., Lanagan, Mo. Combination table and seat. 1,563,177; Nov. 24.
Evans, Charles E., assignor to Barber-Greene Company, Aurora, Ill. Automatic release drive. 1,562,442; Nov. 24.
Evans, Edwin R., Detroit, Mich. Vehicle brake mechanism. 1,562,443; Nov. 24.
Evreynoff, Georg, Ekaterinoslav, Russia. Electric furnace. 1,562,825; Nov. 24.
Ewer, Nathaniel T., Swarthmore, Pa., assignor, by mesne assignments, to Amdyco Corporation. Foam stabilizer. 1,562,878; Nov. 24.
Fager, Edwin J., jr., Harrisburg, Pa. Woodworking machine. 1,562,826; Nov. 24.
Fafnir Bearing Company, The. (See Searles, Raymond, R., assignor.)
Farbenfabriken vorm. Friedr. Bayer and Co. (See Lommel, W., and Münzel, assignors.)
Farley, James A., Galveston, Tex. Automatic hammer. 1,562,547; Nov. 24.
Farum, Elecie P., assignor to Oakland Machinery Company, Oakland, Calif. Combined bumper and luggage carrier. 1,562,694; Nov. 24.
Fassinger, Charles, Carrick, assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa. Mechanism for handling blanks. 1,563,021; Nov. 24.
Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's M'f'g Co., Philadelphia, Pa. Ratchet tool. 1,563,178; Nov. 24.
Ferguson, Emery E. (See Ferguson, Frank, assignor.)
Ferguson, Frank, assignor to E. E. Ferguson, Charleston, W. Va. Pipe joint and making the same. 1,563,269; Nov. 24.
Ferguson, Thomas H. (See Nagel, Henry W., assignor.)
Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Portland, Me. Signaling by ultra-audible sound waves. 1,562,950; Nov. 24.
Feucht, George C. (See Tonnelier, J. E., and Feucht.)
Field, Herbert D., El Paso, Tex. Post-locking mechanism for loose-leaf binders. 1,563,179; Nov. 24.
Fife, Elizabeth C. (See Fife, Ikley C., assignor.)
Fife, Ikley C., assignor to E. C. Fife, Chicago, Ill. Air balloon. 1,562,625; Nov. 24.
Fife, Ikley C., Chicago, Ill. Fastener. 1,563,270; Nov. 24.
Finkbeiner, Charles, assignor, to Budd Wheel Company, Philadelphia, Pa. Apparatus for and method of straightening disk wheels. 1,562,626; Nov. 24.
Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)
Fisher Body Corporation. (See Simpson, Emory G., assignor.)
Fisher, David, assignor to Paden City Glass Manufacturing Company, Paden City, W. Va. Pitcher. Des. 68,852; Nov. 24.
Fisk Rubber Company, The. (See MacAleese, Frederic L., assignor.)
Fisk Rubber Company, The. (See Mead, George J., assignor.)
Fisk Rubber Company, The. (See Williams, Job J., assignor.)
Flentje, Ernst, Cambridge, Mass. Shock absorber. 1,562,879; Nov. 24.
Florendine, James. (See Barnett, W., and Florendine.)
Floyd, John J., Malden, Mass. Truck. 1,562,750; Nov. 24.
Flum, Robert A., Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Clamping device. 1,562,444; Nov. 24.
Foamite-Childs Corporation. (See Erwin, Orlando R., assignor.)
Fogh, Carl S., assignor to Ore Roasting Development Company, Philadelphia, Pa. Recovering oil from shale. 1,563,271; Nov. 24.
Fonaas, Albert, Schofield Barracks, Hawaii. Combined milk-can opener and sealer. 1,563,272; Nov. 24.
Fontane, Charles A., Paris, assignor to E. Conti, Alfortville, France. Alloy. 1,563,079; Nov. 24.
Foote, Charles E., assignor to The Foote Company, Inc., Nunda, N. Y. Distributing bucket for concrete pavers. 1,562,751; Nov. 24.
Foote Company, The. (See Foote, Charles E., assignor.)
Forges & Ateliers de Constructions Electriques de Jeumont. (See Perret, Joseph, assignor.)
Forst, Harry S., assignor to H. Barol, Philadelphia, Pa. Combination hat carrier and overnight bag. 1,563,080; Nov. 24.
Fothergill, Harry, Westminster, London, England. Apparatus for the removal of gases from liquids. 1,562,827; Nov. 24.
Fournier, Albert A., Ottawa, Ontario, Canada. Soft cuff. 1,563,180; Nov. 24.
Fraim, Samuel R., Lancaster, Pa. Padlock. 1,563,181; Nov. 24.
Frame, Anise F., South Charleston, W. Va. Apparatus for removing chemicals from solids and semisolids. 1,562,880; Nov. 24.
Frank, Lee W., assignor to H. I. Klawans, Chicago, Ill. Tufting wicking or roving yarn. 1,563,307; Nov. 24.
Frankensteiner Magnesitwerke A. G. (See Kattner, Robert, assignor.)
Franklin, Sir J., Beaver City, Nebr., and R. W. Tracy, Brewster, Kans. Insect-killing attachment for automobiles. 1,562,627; Nov. 24.
Frans, Charles, jr., assignor to The Heinn Company, Milwaukee, Wis. Screw for loose-leaf binders. 1,562,951;
Fraser, Donald P., assignor to Armstrong Cork Company, Lancaster, Pa. Printing-block gauge table. 1,562,752; Nov. 24.
Fratt, Harry C., Norristown, Pa. Refrigerator lining. 1,563,273; Nov. 24.
Freedlander, Abraham L., and W. G. Goodwin, assignors to The Rubber Development Company, Dayton, Ohio. Making belts. 1,562,548; Nov. 24.
French Battery & Carbon Co. (See Riebeth, George H., assignor.)
Froesch, Charles, assignor to International Motor Company, New York, N. Y. Spring suspension. 1,563,022; Nov. 24.
Fuld and Hatch Knitting Company. (See Ham, Charles, assignor.)
Fuller, Leonard F., Palo Alto, Calif., and G. C. Sweet, Waterloo, N. Y., assignors, by mesne assignments, to Wireless Improvement Company, Jersey City, N. J. Arc converter. 1,562,952; Nov. 24.
Funk, Samuel M., Decatur, Ill. Brick-cleaning machine. 1,563,081; Nov. 24.
Furman, Charles S., Lansing, Mich. Reversible collar. 1,563,274; Nov. 24.
Gaines, Jacob S., and M. E. Creighton, Cairo, Ill. Circuit closer. 1,562,695; Nov. 24.
Gaisman, Henry J., New York, N. Y. Safety razor. 1,562,445; Nov. 24.
Gammeter, John R. (See Beyea, Frank H., assignor.)

Gargiulo, Frederick, New Haven, Conn. Radiator unit. 1,563,182; Nov. 24.
Garrett, Percival A., Goodmayes, England. Apparatus for aerating liquids and the like. 1,562,628; Nov. 24.
Garriott, William W., Seattle, Wash. Vehicle wheel. 1,562,696; Nov. 24.
Gaskins, Palemon H., Jacksonville, Fla. Convertible body for automobiles. 1,563,023; Nov. 24.
Gautier, Claude M., London, England. Manufacture of pneumatic-tire covers or casings and in machine therefor. 1,562,753; Nov. 24.
Gautier, Claude M., London, England. Machine for making pneumatic-tire covers or casings. 1,562,754; Nov. 24.
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Böhm, Otto, assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)
General Electric Company. (See Jones, Benjamin W., assignor.)
General Electric Company. (See Thomson, Elihu, assignor.)
General Electric Company. (See Traver, Oliver C., assignor.)
General Phonograph Manufacturing Company, The. (See Dean, William W., assignor.)
General Phonograph Manufacturing Company, The. (See Kunkle, George R., assignor.)
Gernsback, Hugo, New York, N. Y. Variable condenser. 1,562,629; Nov. 24.
Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Arco, Graf Georg.)
Gianetto, Victor A., New York, N. Y. Moving-picture machine. 1,562,755; Nov. 24.
Gilbert, William H. (See White, William J., assignor.)
Ginnel, Henry, Scarsdale, N. Y. Shears. 1,562,630; Nov. 24.
Glasner, Rudolph W., and O. G. Nilson, assignors to Marquette Tool and Manufacturing Company, Chicago, Ill. Blank holder. 1,562,953; Nov. 24.
Goltman, Rebecca, Montreal, Quebec, Canada. Glove stretcher, powderer, and heater. 1,562,631; Nov. 24.
Goldsmith, Wolf T., Newark, N. J. Hand-bag frame. Des. 68,858; Nov. 24.
Goodall, Howard W., Aldan, Pa. Flexible hose. 1,562,954; Nov. 24.
Goodrich, B. F., Company, The. (See MacDonald, Frank J., assignor.)
Goodrich, B. F., Company, The. (See Snyder, Clarence E., assignor.)
Goodwin, Thomas W., assignor of one-fourth to H. E. Malmsten, Berkeley, Calif. Picture-projecting machine. 1,563,183; Nov. 24.
Goodwin, William G. (See Freedlander, A. L., and Goodwin.)
Goos, Julius H., St. Paul, Minn. Rail anchor. 1,563,308; Nov. 24.
Gordon, David D., Chicago, Ill. Adjustable switch mounting. 1,562,632; Nov. 24.
Gormican, Stasia E., Grand Rapids, Mich. Combined telephone shield, phone directory, and calendar. Des. 68,854; Nov. 24.
Goss, Charles H. (See Goss, Robert R. and C. H.)
Goss, Harold J., Nashua, N. H., assignor, by mesne assignments, to The Lake Erie Trust Company, Cleveland, Ohio. Machine for making set-up boxes. 1,563,184; Nov. 24.
Goss, Robert R. and C. H., Franklin, Pa. Cream dispenser. 1,562,633; Nov. 24.
Goose, Henrey, sr., Wabasha, Minn. Convertible vehicle body. 1,562,756; Nov. 24.
Gouled, Peter, Weehawken, N. J. Producing color-filled embroidered designs on textile fabrics. 1,563,185; Nov. 24.
Gowdy, Robert C., assignor, by mesne assignments, to The American Flatlite Company, Cincinnati, Ohio. Light projector. 1,562,502; Nov. 24.
Gower, Francis W., H. J. Owen, and R. J. Nash, Birmingham, England. Tennis racket and the like. 1,562,881; Nov. 24.
Grabill, Alice J., Imler, Pa. Floor-scrubbing device. 1,563,275; Nov. 24.
Grahame, Dallas F., Toronto, Ontario, Canada, assignor, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass. Controlling and operating means for engines, for underfeed stokers, and the like. 1,562,634; Nov. 24.
Granich, Alfred M., assignor to Western Electric Company Incorporated, New York, N. Y. Power line signaling. 1,562,955; Nov. 24.
Gray, G. A., Company, The. (See Hunt, H. W., and Cardullo, assignors.)
Green, Henry M., Los Angeles, Calif., assignor to E. P. Hopkins, Council Bluffs, Iowa. Pump. 1,563,082; Nov. 24.
Greer, Edgar F., Memphis, Tenn. Letter printing and addressing machine. 1,562,697; Nov. 24.
Griffin, Michael J., Hartford, Conn. Horseshoe. 1,562,635; Nov. 24.
Griffin, William M., assignor to Wayne Tank & Pump transparent liquid containers. 1,562,636; Nov. 24.
Grimaud, Gustav, Bouille Courdault par Oulmes, France. Reenforced-concrete stake. 1,563,024; Nov. 24.
Griswold Manufacturing Company, The. (See Hollands, John C., assignor.)
Grosjean, James E., Lima, Ohio. Heel for boots and shoes. 1,563,276; Nov. 24.
Shoes. 1,563,276; Nov. 24.
Gross, Edward J., South Orange, N. J., assignor to Meyer & Gross. Finger ring. Des. 68,855; Nov. 24.
Groth, Norbert, West Union, Minn. Candle protector. 1,562,637; Nov. 24.
Guaranty Egg Corporation. (See Shafer, Clifford C., assignor.)
Guerne, Alfred A., Kalamazoo, Mich. Golf-club head. 1,562,956; Nov. 24.
Hacha, John P., Detroit, Mich. Card tray. 1,562,638; Nov. 24.
Haddox, Clifford M., Charleston, W. Va. Attachment for pencils. 1,563,277; Nov. 24.
Hadley Company, The. (See Tost, Charles R., assignor.)
Hagner, Frederick H., San Antonio, Tex. Article guaranty. 1,562,882; Nov. 24.
Haines, Jones & Cadbury Incorporated. (See Muend, Charles J., assignor.)
Hale, William, Litwar, W. Va. Aeroplane. 1,563,278; Nov. 24.
Hall, Charles W., Larchmont, N. Y. Airplane. 1,562,549; Nov. 24.
Hall, Frank W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Revivifying fuller's earth. 1,562,550; Nov. 24.
Hall, Howard A., Eugene, Oreg. Concrete-pipe machine. 1,562,551; Nov. 24.
Haller, Louis G., Chattanooga, Tenn. Coupling for pipe railings. 1,563,186; Nov. 24.
Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Electric-arc device. 1,563,083; Nov. 24.
Ham, Charles, Albany, N. Y., assignor to Fuld and Hatch Knitting Company. Folder for sewing machines. 1,562,446; Nov. 24.
Hamilton, William L., Bangor, Mich. Spray noozle. 1,562,957; Nov. 24.
Hammond, John M., Philadelphia, Pa. Method and apparatus for producing half-tone dot images. 1,562,757; Nov. 24.
Handel-Maatschappij H. Albert De Bary & Co. (See Sauveur, Harry, assignor.)
Hanley, Frank H., Detroit, Mich. Electric-iron plug. 1,562,552; Nov. 24.
Hanna, Harvey, Detroit, Mich. Reenforcing concrete walls and the like. 1,562,447; Nov. 24.
Hansen, Charles E., Providence, R. I. Alloy. 1,562,958; Nov. 24.
Hansen, Peter, New York, N. Y. Occupant-propelled vehicle. 1,562,553; Nov. 24.
Hanson, Claud F., Auburn, Ind. Kettle stand. 1,562,758; Nov. 24.
Hansson, Soren, Butler, Pa. Truck bearing. 1,562,503; Nov. 24.
Hardgrove, George J., Lovell, Wyo. Micrometer height gauge. 1,562,554; Nov. 24.
Hardie, Robert W., Fanwood, N. J., assignor to L. M. Rabinowitz, New York, N. Y. Tape-feeding attachment for sewing machines. 1,563,309; Nov. 24.
Hardy, Frederick J. G., Norwalk, assignor to C. B. Dolge Company, Westport, Conn. Liquid-soap storing and dispensing apparatus. 1,562,883; Nov. 24.
Harley-Davidson Motor Co. (See Harley, William S., assignor.)
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Cylinder. 1,562,555; Nov. 24.
Harrington, Ertle L., Saskatoon, Saskatchewan, Canada, assignor to Westinghouse Lamp Company. Electric-arc device. 1,562,959; Nov. 24.
Harris, Gordon D., Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn. Drying apparatus. 1,562,759; Nov. 24.
Harris, Gordon D., Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn. Treating liquid materials. 1,562,760; Nov. 24.
Harris, Gordon D., Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn. Drying semiliquid materials. 1,562,761; Nov. 24.
Harris, Gordon D., Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn. Drying apparatus. 1,562,762; Nov. 24.
Harris, Gordon D., Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn. Drying apparatus. 1,562,763; Nov. 24.
Harris, Gordon D., Freeport, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn. Drying. 1,562,764; Nov. 24.
Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. System for operating alternating-current motors from direct-current sources. 1,563,084; Nov. 24.
Hart, George H., West Hartford, Conn. Electric switch. 1,562,698; Nov. 24.
Hart, William F., assignor to Verona Tool Works, Pittsburgh, Pa. Rail bond. 1,562,765; Nov. 24.
Hartley, Frank P., Bangor, Me. Fire-alarm. 1,563,279; Nov. 24.



Hartwick, Ernest F., assignor to Detroit Trailer Company, Detroit, Mich. Trailer support. 1,562,960; Nov. 24.
Harvey, William G., assignor to American Magnesium Corporation, Niagara Falls, N. Y. Producing calcium-copper alloy. 1,563,187; Nov. 24.
Harvey, William G., assignor to American Magnesium Corporation, Niagara Falls, N. Y. Treating molten metals with calcium-copper alloys. 1,563,188; Nov. 24.
Harza, Leroy F., Chicago, Ill. Hydraulic turbine. 1,562,556; Nov. 24.
Hatcher, William A., Detroit, assignor to Wernicke-Hatcher Pump Company, Grand Rapids, Mich. Rotary pump. 1,562,448; Nov. 24.
Hater, Harry J., Cincinnati, Ohio. Piston. 1,563,025; Nov. 24.
Hausherr, Gustav A., Bayville, N. J. Mold-forming device. 1,563,189; Nov. 24.
Hawkes, Lewis A. (See Bartol, G. E., jr., and Hawkes.)
Hayes Products Company. (See Ruppel, Frederick C., assignor.)
Hiatt, Elmer, Milford, Conn. Cloth-surfacing device. 1,562,768; Nov. 24.
Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)
Hildebrandt, Edward and H., Tacoma, Wash. Device for removing frictionally-held can tops. 1,562,639; Nov. 24.
Hildebrandt, Harold. (See Hildebrandt, Edward and H.)
Hille, John W. (See Recordon, C. E., and Hille.)
Hines, Charles, South Richmond, Va. Hedge trimmer. 1,562,884; Nov. 24.
Hines, William J., Four States, W. Va. Chain tightener. 1,562,640; Nov. 24.
Hecht, Alexander S., New York, N. Y. Radio loud-speaker base. Des. 68,856; Nov. 24.
Heinn Company, The. (See Franz, Charles, jr., assignor.)
Heising, Raymond A., Milburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Directive radio transmission system. 1,562,961; Nov. 24.
Heisey, A. H., & Co. (See Balda, Joseph, assignor.)
Heisey, A. H., & Company. (See Heisey, T. Clarence, assignor.)
Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Floral compotier. Des. 68,857; Nov. 24.
Heisler, Charles L., Schenectady, N. Y. Gas burner. 1,562,962; Nov. 24.
Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,563,085; Nov. 24.
Henderson, Carl, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Sheet separator. 1,562,557; Nov. 24.
Hennig, William, Athens, Wis. Stone-gathering machine. 1,562,766; Nov. 24.
Herm, Ole G., Marshalltown, Iowa. Automatic planimeter. 1,562,963; Nov. 24.
Hernandez, Marzaret N., administratrix. (See Hernandez-Mejia, Arturo.)
Hernandez-Mejia, Arturo, deceased, New Rochelle; M. N. Hernandez, administratrix, assignor to Colorgraph Laboratory, Inc., New York, N. Y. Coloring motion pictures. 1,562,828; Nov. 24.
Herold, John A. L., assignor to Independent and Beneficial Club, Incorporated, Richmond, Va. Badge. Des. 68,858; Nov. 24.
Herr, Park A., Hillside, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric power transmitter. 1,562,899; Nov. 24.
Herrin, Charles W., Pattonsburg, Mo. Rotary drilling apparatus. 1,562,449; Nov. 24.
Herring, Walter L., Tulsa, Okla., assignor to F. E. Riddle. Teetering device. 1,562,700; Nov. 24.
Hess, David. Snake River, Wash. Stormproof coat. 1,562,767; Nov. 24.
Hessian, Dennis C., Detroit, Mich. Air-brake mechanism. 1,562,450; Nov. 24.
Heydrich y Martinez, Roberto, Habana, Cuba. Closet tanks. 1,562,514; Nov. 24.
Hobson, Walter, Philadelphia, Pa. Rail grinder for electric butt-weld joints. 1,562,558; Nov. 24.
Hodge, Carroll. (See Kershaw, W. E., and Hodge.)
Hodges, Carmah E. (See Bradrick, George M., assignor.)
Hodgson, Harriette E., New York, N. Y. Purse. 1,562,641; Nov. 24.
Hollands, John C., assignor to The Griswold Manufacturing Company, Erie, Pa. Stove. 1,563,026; Nov. 24.
Holmes, Stanley B., Seattle, Wash. Fuel-mixing device. 1,562,559; Nov. 24.
Holmström, Axel, Villa Aerovik, Sweden. Paddle-shaft mounting for etching machines. 1,562,642; Nov. 24.
Holmstrom, Patrick, Hemet, Calif. Grinding paste. 1,562,701; Nov. 24.
Holtzer-Cabot Electric Company, The. (See Durbin, Vernon, assignor.)
Hooper, Charles W., Jamaica, assignor to H. A. Metz Laboratories, Inc., New York, N. Y. Morphine solution. 1,563,086; Nov. 24.
Hooper, Charles W., Jamaica, assignor to H. A. Metz Laboratories, Inc., New York, N. Y. Analgesic agent and preparing the same. 1,563,087; Nov. 24.
Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Carrier for braiding machines. 1,563,028; Nov. 24.
Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Carrier for braiding machines. 1,563,029; Nov. 24.
Hopkins, Earl P. (See Green, Henry M., assignor.)
Hopp, Otto W. (See Wajer, J., and Hopp.)
Hormel, August, Jersey City, N. J. Sheet-conveying apparatus. 1,562,560; Nov. 24.
Hornung, Anton N., Los Angeles, Calif. Refrigerator. Des. 68,859; Nov. 24.
Horter, Bayard M., Kingston, Pa., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for power-driven. 1,562,561; Nov. 24.
Horton, Joseph W., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Multiplex carrier-wave transmission. 1,562,964; Nov. 24.
Houle, Hector N., Pawtucket, R. I. Slug-catching flier attachment. 1,562,643; Nov. 24.
House, Charles H., Arkansas City, Kans. Fountain brush. 1,563,190; Nov. 24.
Howard, Alonzo, assignor to Howard Ignition Company, Chicago, Ill. Ignition-controlling apparatus. 1,562,451; Nov. 24.
Howard Ignition Company. (See Howard, Alonzo, assignor.)
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Yarn-furnishing mechanism for knitting machines. 1,562,829; Nov. 24.
Hubbard, Lloyd B., Wichita Falls, Tex., assignor to Hubbard Reversible Rotary Motor Corporation, New York, N. Y. Reversible rotary motor (steam). 1,562,769; Nov. 24.
Hubbard Reversible Rotary Motor Corporation. (See Hubbard, Lloyd B., assignor.)
Hubschmitt, Henry A., jr., Montclair, N. J. Roof bracket. 1,562,965; Nov. 24.
Hughes, Hugh L. (See Porter, W. S., and Hughes.)
Hughes, Walter, Los Angeles, Calif. Wrapping for steering wheels. 1,563,191; Nov. 24.
Hugo, George D., Seattle, Wash. Brake-operating mechanism. 1,562,830; Nov. 24.
Huff, Russell, Detroit, Mich., assignor, by mesne assignments, to Dodge Brothers Inc. Felly and spoke connection. 1,562,452; Nov. 24.
Huffman, Charles A., assignor to The Long-Bell Lumber Company, Longview, Wash. Automatic stick guide. 1,563,030; Nov. 24.
Humboldt, Elie S., Oakland, assignor to The Pacific Lumber Company, San Francisco, Calif. Preparing viscose solutions. 1,562,885; Nov. 24.
Humphreys, John, Casper, Wyo. Track liner. 1,562,886; Nov. 24.
Hunt, C., Howard Pen Company. (See Bartol, G. E., jr., and Hawkes, assignors.)
Hunt, Howard W., and F. E. Cardullo, assignors to The G. A. Gray Company, Cincinnati, Ohio. Clutch mechanism. 1,562,831; Nov. 24.
Huntoon, William C., jr., East Greenwich, R. I. Collapsible tube. 1,563,192; Nov. 24.
Hutchinson, Edward A., assignor to Cockshutt Plow Company, Limited, Brantford, Ontario, Canada. Power lift for plows. 1,562,966; Nov. 24.
Huttig Manufacturing Co. (See Brandau, Harold L., assignor.)
Icre, Batiste, New York, N. Y. Vehicle brake. 1,562,702; Nov. 24.
Independent and Beneficial Club, Incorporated. (See Herold, John A. L., assignor.)
Independent Paper Mills Inc. (See Erdos, George G., assignor.)
Index Visible, Inc. (See Campbell, C. S., and Day, assignors.)
Industrial Dryer Corporation, The. (See Harris, Gordon D., assignor.)
Ingleton, Cecil P., Toronto, Ontario, Canada. Ash sifter. 1,563,193; Nov. 24.
International Motor Company. (See Froesch, Charles, assignor.)
Ippoliti, Frank, Philadelphia, Pa. Garment pocket. 1,563,088; Nov. 24.
Jackson, Ernest W., Austin, Tex. Book cover. 1,562,504; Nov. 24.
Jackson, Ernest W., Austin, Tex. Book cover and applying same. 1,562,505; Nov. 24.
Jackson, George F., and F. E. Campbell, Little Rock, Ark. Surgical and dental appliance. 1,563,280; Nov. 24.
Jackson, John G., Chatham, Ontario, Canada. Electric storage battery. 1,562,887; Nov. 24.
Jacobson, Axel E., Minneapolis, Minn. Feed-grinding machine. 1,562,562; Nov. 24.
Jaenichen, Louis, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale bearing. 1,563,089; Nov. 24.
James Manufacturing Company. (See Olson, John B., assignor.)
Jamieson, Herbert D., Kerepehi, New Zealand. Milking machine. 1,562,770; Nov. 24.
Jandus, Herbert S., and C. F. Brown, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper for automobiles. 1,562,453; Nov. 24.
Janney, John T., Martinsburg, W. Va. Quick-facing tray for fruit packing. 1,562,888; Nov. 24.

Jaquette, Albert C., et al. (See Replogle, Ulysses G., assignor.)
Jaquette, Hazel E., et al. (See Replogle, Ulysses G., assignor.)
Jardine, Frank, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Piston. 1,563,194; Nov. 24.
Jarvis, Levi, Cedar Rapids, Nebr. Corn husker. 1,563,281; Nov. 24.
Javins, John M., et al. (See Ward, Andrew W., assignor.)
Jenkins, Brooks O., assignor of one-half to A. H. Stockmar and one-half to R. L. Steadham, Birmingham, Ala. Water motor. 1,562,506; Nov. 24.
Jenkins, Stanley S., Buffalo, N. Y. Foot grip for invalids. 1,562,454; Nov. 24.
Jennens, William. (See Welsh, William H., assignor.)
Jennings, Ode D., Palatine, Ill. Coin-control apparatus. 1,562,771; Nov. 24.
Jessup, George C., Camden, N. J. Hydraulic motor, pump, and the like. 1,563,282; Nov. 24.
Jimenez, Julio V., New York, N. Y. Garment supporter. 1,563,195; Nov. 24.
Johns-Manville, Inc. (See Christenson, George, assignor.)
Johns, Tom J., Cleveland, Ohio, assignor of one-fourth to C. Osako, Casper, Wyo. Spring-cushioned drawbar and drawhead for railway cars. 1,562,889; Nov. 24.
Johnson, Clarence P., Newton, Mass. Display stand for merchandise. 1,562,507; Nov. 24.
Johnson, Conrad, Portland, Oreg. Filing gauge for connecting-rod bearing caps. 1,562,772; Nov. 24.
Johnson, Harry G., Galva, Ill. Automatic flow regulator. 1,562,508; Nov. 24.
Johnson Lane, Ingram, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Manipulator. 1,562,773; Nov. 24.
Johnson, Patrick H., Vale, Oreg. Attachment for loaders. 1,562,563; Nov. 24.
Johnson, Sigurd W., Minneapolis, and A. Ross, St. Paul, Minn. Hand brake. 1,562,967; Nov. 24.
Jones, Albert G., assignor to Melba Manufacturing Co., Chicago, Ill. Toilet case. 1,562,455; Nov. 24.
Jones, Albert S., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn. Casing pulley. 1,562,644; Nov. 24.
Jones, Allan H., Belleville, assignor to Roller Bearing Company of America, Newark, N. J. Helix-winding machine. 1,562,645; Nov. 24.
Jones, Archer G., Richmond, Va. Shaving and cosmetic brush. 1,563,031; Nov. 24.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Motor-control system. 1,562,968; Nov. 24.
Jones, Edwin A. (See Burnham, J. E., and Jones.)
Jones, Elton L., and H. B. Davis, jr., Taft, Calif. Center iron. 1,562,703; Nov. 24.
Jones, Frederick C., Camden, N. J., assignor to Victor Talking Machine Company. Record holder for talking machines. 1,563,299; Nov. 24.
Jones & Laughlin Steel Corporation. (See Danforth, George H., assignor.)
Jones and Laughlin Steel Corporation. (See Rendleman, Norman C., assignor.)
Jones & Laughlin Steel Corporation. (See Tonnelier, J. Edmund, assignor.)
Jones & Laughlin Steel Corporation. (See Tonnelier, J. E., and Feucht, assignors.)
Jones, Ray E., Oakland, Calif. Universal coil mounting. 1,562,832; Nov. 24.
Jordan, Lebert E., and C. H. Burrows, assignors, by mesne assignments, to Jordan Machine Tool Company, Minneapolis, Minn. Reboring and grinding machine for engine cylinders. 1,562,969; Nov. 24.
Jordan Machine Tool Company. (See Jordan, L. E., and Burrows, assignors.)
Junod, André, New York, N. Y. Sound recording and reproducing device. 1,563,033; Nov. 24.
Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Contact-bank structure. 1,562,647; Nov. 24.
Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Rectifier relay. 1,562,648; Nov. 24.
Kaplan, Louis H. (See McIntire, Joseph H., assignor.)
Kaplan, Louis H., et al. (See McIntire, Joseph H., assignor.)
Kasley, Alexander T., Moore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine blading. 1,562,970; Nov. 24.
Kattner, Robert, assignor to Frankensteiner Magnesitwerke A. G., Grochau, Germany. Briquetting fuels. 1,562,564; Nov. 24.
Kaufman, Frank M., Philadelphia, Pa. Textile fabric. Des. 68,860; Nov. 24.
Kaufman, Frank M., Philadelphia, Pa. Textile fabric. Des. 68,861; Nov. 24.
Kaufman, Frank M., Philadelphia, Pa. Textile fabric. Des. 68,862; Nov. 24.
Kaufmann, Walter L., Santa Ana, Calif. Hinge. 1,562,774; Nov. 24.
Keller, William H., Inc. (See Shaff, Ernest H., assignor.)
Kellogg Switchboard and Supply Company. (See Kaisling, William, assignor.)
Kemet Laboratories Company. (See Cooper, Hugh S., assignor.)
Kershaw, William E., Philadelphia, and C. Hodge, Radnor, Pa. Battery-cell filler. 1,562,971; Nov. 24.
Kevan, William J., Kansas City, Mo. Beating and mixing machine. 1,562,704; Nov. 24.
Kidd, Cameron A., Ansted, W. Va. Heating device. 1,563,032; Nov. 24.
King, Leland A., Chicago, Ill. Toy motion-picture device. 1,563,090; Nov. 24.
Kinsman, Charles C., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Car underframe. 1,563,091; Nov. 24.
Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Zirconium-oxide complex and producing and using the same. 1,562,890; Nov. 24.
Kirkpatrick, Voyle V. (See Tabor, P. E., and Kirkpatrick.)
Klang, Nellie, New York, N. Y. Curtain holder. 1,562,456; Nov. 24.
Klawans, Harry I. (See Frank, Lee W., assignor.)
Kleber, Oscar L., Pittsburgh, Pa., assignor to Telegraph Typewriter Co., Inc., New York, N. Y. Printing-telegraph machine. 1,562,457; Nov. 24.
Kleist, John C., et al. (See Rockburg, George A., assignor.)
Klopstock, Heinrich, and W. Neumann, Aussig-on-the-Elbe, Czechoslovakia. Production of potassium carbonate. 1,562,891; Nov. 24.
Knapp Brothers Manufacturing Company. (See Thomas, Wingate S., assignor.)
Kneass, Strickland L., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Injector. 1,563,196; Nov. 24.
Knecht, Jean J. (See Lefaive, L. J. G., and Knecht.)
Knowles, F. A., Slicer Company, The. (See Donald, William H., assignor.)
Knutson, Alfred W., assignor to A. V. Rowe, Galesburg, Ill. Attachment for motor vehicles. 1,563,092; Nov. 24.
Koertner, Conrad W., Pearl City, Ill. Dustpan. 1,562,892; Nov. 24.
Kohnert, Otto L., Chicago, Ill. Window fastener. 1,562,972; Nov. 24.
Koze, Carl, Newark, N. J. Hinge for vanity boxes and the like. 1,562,565; Nov. 24.
Krag, Harry W., assignor to American Shoe Machinery & Tool Company, St. Louis, Mo. Sewing machine. 1,562,833; Nov. 24.
Krell, George K. (See Brandt, F. H. G., and Krell.)
Kruger, Paul W., Boyett, Miss. Dental cement. 1,562,834; Nov. 24.
Krum, Roland. (See Bruso, H., and Krum.)
Kruse, Charles C., Modesto, Calif. Recording mechanism. 1,562,893; Nov. 24.
Kruttschnitt, E. Minna, executrix. (See Kruttschnitt, J., and Bell.)
Kruttschnitt, Julius, deceased, New Canaan, Conn., and E. H. Bell, Chicago, Ill.; E. M. Kruttschnitt, executrix. Tie plate. 1,563,283; Nov. 24.
Kuester, Herman, assignor to L. A. Young Industries, Inc., Detroit, Mich. Wireworking machine. 1,562,973; Nov. 24.
Kunkle, George R., assignor to The General Phonograph Manufacturing Company, Elyria, Ohio. Thread-cutting machine. 1,562,705. Nov. 24.
Kuttler, Leonard W., Euclid, Ohio. Signal apparatus. 1,562,835. Nov. 24.
Kyle, William D., assignor to Line Material Company, South Milwaukee, Wis. Pin for insulators. 1,562,836; Nov. 24.
L. & B. Producing & Drilling Co. (See Crum, Roland R., assignor.)
Laffold, William, St. Louis, Mo. Folding stand for paste buckets. 1,562,974; Nov. 24.
La Follette, Latelle M., et al. (See Ward, Andrew W., assignor.)
Lake Erie Trust Company, The. (See Goss, Harold J., assignor.)
Lake, Simon, Milford, Conn. Concrete building element. 1,562,706; Nov. 24.
Lake, Simon, Milford, Conn. Process of and apparatus for making concrete building elements. 1,562,707. Nov. 24.
Lambert Machine Co. (See Ely, Bernard M., assignor.)
La Rue, William D., Philadelphia, Pa., assignor to Victor Talking Machine Company. Loud speaker. Des. 68,863; Nov. 24.
Lasher, Osmer J., Waterbury, Conn. Meat-market refrigerator. 1,563,197; Nov. 24.
Laurin, Gerhard, Evanston, Ill. Counter for pulleys. 1,563,284; Nov. 24.
Leake, Arthur G., Bridgeport, Conn. Mattress-airing device. 1,562,975; Nov. 24.
Ledbetter, Ernest, St. Louis, Mo. Electromechanical door-releasing means. 1,563,198; Nov. 24.
Ledig, Richard G., assignor to A. Mecky Co., Philadelphia, Pa. Velocipede. 1,563,094; Nov. 24.
Lee Harry S., A. E. Chaffee, and F. Millard, Plymouth, Mich., said Chaffee and said Millard assignors of their entire right to said Lee. Permanent mold construction. 1,562,509; Nov. 24.





Lehman, Edgar B., Johnstown, Pa., assignor to Bethlehem Steel Company. Metallic railway tie. 1,562,458; Nov. 24.
Leich, Arthur C., and J. S. Berner, Milwaukee, Wis. Ice-cream-sandwich machine. 1,562,894; Nov. 24.
Leicht, John F., Shelby, Mich. Extension stepladder. 1,563,201; Nov. 24.
Leicknam, George J. M., Jarny, France. Filling up, puddling, warping, concreting, cementing, etc., by means of flushing with water under pressure. 1,563,200; Nov. 24.
Leigh, Don A., Fellows, Calif. Packing construction. 1,562,566; Nov. 24.
Leilich, Francis T., San Francisco, Calif. Bed-and-cylinder printing press. 1,562,775; Nov. 24.
Leilich, Francis T., San Francisco, Calif. Bed-and-cylinder printing press. 1,562,776; Nov. 24.
Leland, Harrison R., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Gas-tight steel tank. 1,563,199; Nov. 24.
Lengel, William L., assignor to The Nolde & Horst Co., Reading, Pa. Loop doubler. 1,562,895; Nov. 24.
Lentz, Leland E., Delphos, Ohio. Apparatus for use in repairing roads. 1,563,202; Nov. 24.
Leopold, George O. (See Fegley, T. J., and Leopold.)
Lenperhoff Hans, Reading, Pa. Film-indicating shutter device for cameras. 1,562,567; Nov. 24.
Lester, William H., assignor to Elgin American Manufacturing Co., Elgin, Ill. Holder for toilet case or similar article. Des. 68,864; Nov. 24.
Lester, William H., assignor to Elgin American Manufacturing Co., Elgin, Ill. Holder for toilet case or similar article. Des. 68,865; Nov. 24.
Lester, William H., assignor to Elgin American Manufacturing Co., Elgin, Ill. Holder for toilet case or similar article. Des. 68,866; Nov. 24.
Levigton, David, New York, N. Y. Display box. 1,562,977; Nov. 24.
Levine, Joseph L., Brooklyn, N. Y. Change carrier. 1,563,034; Nov. 24.
Lewthwaite, Alexander J., Portland, Ore. Paper-making machine. 1,563,095; Nov. 24.
Lilienfeld, Leon, Vienna, Austria. Producing viscous liquids and product thereof. 1,563,203; Nov. 24.
Lilienfeld, Leon, Vienna, Austria. Plastic mass and making same. 1,563,204; Nov. 24.
Lilienfeld, Leon, Vienna, Austria. Insulating goods and producing same. 1,563,205; Nov. 24.
Lilly, Eli, and Company. (See Lilly, Josiah K., assignor.)
Lilly, Josiah K., assignor to Eli Lilly and Company, Indianapolis, Ind. Medical preparation. 1,562,459; Nov. 24.
Lindberg, Edwin C. (See Dumbleton, J. H., and Lindberg.)
Lindemann, Frederick W., St. Paul, Minn. Garment press. 1,562,837; Nov. 24.
Line Material Company. (See Kyle, William D., assignor.)
Linquist, Reynold, Portland, Oreg. Guy-line fastener. 1,562,568; Nov. 24.
Lionin, Frederick J., Glen Ridge, N. J. Mold lock. 1,562,708; Nov. 24.
Lish, William H., York, Pa. Combined safety razor and stropper. 1,562,896; Nov. 24.
Lissel, Karl G., assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Electric incandescent lamp for performing signals or flash light. 1,562,897; Nov. 24.
Litot, Bernard E., Wilkinsburg, Pa. Windshield cleaner. 1,562,898; Nov. 24.
Lawson, Joseph, assignor to The Asiatic Petroleum Company, Limited, Great St. Helens, London, England. Spigot cock. 1,563,093; Nov. 24.
Lefaive, Louis J. G., and J. J. Knecht, St. Etienne, France. Braiding machine. 1,562,976; Nov. 24.
Logan, Marion R. (See Dowers, C. M., and Logan.)
Logwood, Charles V., New York, N. Y. Oscillating-current system. 1,562,569; Nov. 24.
Lommel, Wilhelm, Wiesdorf-on-the-Rhine, and H. Münsel, Leverkusen-on-the-Rhine, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Protecting wools furs, and other materials against attack by moths. 1,562,510; Nov. 24.
Long-Bell Lumber Company, The. (See Huffman, Charles A., assignor.)
Long, Edgar L., Baltimore, Md. Lubricating system for railway cars. 1,562,899; Nov. 24.
Long, Fred R., assignor to Central Forging Company, Catawissa, Pa. Machine for making rivets and the like. 1,562,648; Nov. 24.
Longenecker, Charles, Philadelphia, Pa. Mechanism for feeding powdered material. 1,563,206; Nov. 24.
Losee, Joseph S., Hebron, Ill. Clutch-operating mechanism. 1,563,035; Nov. 24.
Lucey Manufacturing Corporation. (See Jones, Albert S., assignor.)
Ludwig, John, sr., Dallas, Tex. Pressing board. 1,562,511; Nov. 24.
Lynch, William J., Gympie, Queensland, Australia. Jigger. 1,563,207; Nov. 24.
MacAleese, Frederic L., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Tension grip. 1,563,036; Nov. 24.
Macco Manufacturing Co. (See McCorkindale, William P., assignor.)
MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method of and apparatus for pressing footwear. 1,563,096; Nov. 24.
MacInnes, Robert H., assignor to D. Moore Company, Limited, Hamilton, Canada. Connection block for burners of electric ranges. 1,563,211; Nov. 24.
MacKay, John, Audubon, N. J., assignor to Thomas Savill's Sons, Philadelphia, Pa. Faucet. Des. 68,867; Nov. 24.
Madiar, John J., West Frankfort, Ill. Animal-tethering device. 1,563,212; Nov. 24.
Madsen, Charles P., assignor to Madsenell Corporation, New York, N. Y. Treating metallic objects and resulting products. 1,562,710; Nov. 24.
Madsen, Charles P., assignor to Madsenell Corporation, New York, N. Y. Coated metallic article and making the same. 1,562,711; Nov. 24.
Madsenell Corporation. (See Madsen, Charles P., assignor.)
Maeder, Horst. (See Wolfes, O., and Maeder.)
Magee, Chauncey L. C., Chicago, Ill. Fire arch. 1,563,213; Nov. 24.
Mahieu, Paul, Paris, France. Cupping apparatus. 1,562,900; Nov. 24.
Mahler, Eugene H., assignor to Columbia Knitting & Mfg. Company, Milwaukee, Wis. Cap. 1,562,838; Nov. 24.
Makowski, John F., assignor to California Cedar Products Company, Stockton, Calif. Wall construction. 1,562,839; Nov. 24.
Malmsten, H. E. (See Goodwin, Thomas W., assignor.)
Maloney, Thomas J., Denver, Colo. Internal-combustion engine. 1,562,461; Nov. 24.
Maran, Solomon S., New York, N. Y. Automobile. 1,563,214; Nov. 24.
Marceau, Ector F., East Hartford, Conn. Ink agitator. 1,562,462; Nov. 24.
Marks, Arthur R., Strathfield, near Sydney, and W. A. Moir, Burwood, near Sydney, New South Wales, Australia. Motor road vehicle. 1,562,901; Nov. 24.
Marquette Tool & Manufacturing Company. (See Glasner, R. W., and Nilson, assignors.)
Marquette Tool & Manufacturing Company. (See Nelson, John, assignor.)
Martin, J. F. (See Dowdall, Roy L., assignor.)
Matter, Albert J., assignor to Elmes Engineering Works, Chicago, Ill. Rotary hydraulic press. 1,562,573; Nov. 24.
Maud, George J., Adena, Ohio. Portable burglar alarm. 1,562,574; Nov. 24.
Maul, Henry C., assignor to The Michigan Stove Company, Detroit, Mich. Draft equalizer and diffuser. 1,562,840; Nov. 24.
Maul, Henry C., assignor to The Michigan Stove Company, Detroit, Mich. Hotel range. 1,562,841; Nov. 24.
McAngus, Alexander, Honolulu, Hawaii. Attachment for cultivators. 1,563,208; Nov. 24.
McBride, Charles C., Sanger, Calif. Device for recovering precious metals. 1,562,777; Nov. 24.
McBurnett, Wesley, Baton Rouge, La. Spring wheel. 1,562,512; Nov. 24.
McClatchie, Stanley, Cambridge, Mass., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Swivel-shell attachment plug. 1,562,649; Nov. 24.
McCorkindale, William P., assignor to Macco Manufacturing Co., Holyoke, Mass. Napkin and towel dispenser. 1,562,513; Nov. 24.
McCormack, Ira A., Ridgefield Park, N. J., assignor to The Miller Lock Company, Philadelphia, Pa. Padlock. Des. 68,868; Nov. 24.
McFee, William D., Haverhill, Mass. Fulgurator. 1,562,460; Nov. 24.
McGowan, Terrence F., Boston, Mass. Educational game. 1,562,778; Nov. 24.
McIntire, Joseph H., assignor of one-half to L. H. Kaplan, Brooklyn, N. Y. Gummed-tape-sealing machine. 1,563,209; Nov. 24.
McIntire, Joseph H., assignor of one-third to L. H. Kaplan, Brooklyn, and one-third to S. A. McIntire, New York, N. Y. Pipe holder. 1,563,210; Nov. 24.
McIntire, Stephen A., et al. (See McIntire, Joseph H., assignor.)
McIntyre, Michael M., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Vehicle spring. 1,562,779; Nov. 24.
McKay, Stewart R., Cleveland, Ohio. Concrete mixing and distributing machine. 1,562,570; Nov. 24.
McKenzie, William H., Chicago, Ill. Oil burner. 1,562,571; Nov. 24.
McKinney Manufacturing Company. (See Woernle, Harry E., assignor.)
McMurrain, Samuel B., Washington, D. C. Bomb or torpedo release control mechanism for airplanes. 1,562,572. Nov. 24.
McNutt, Harry W., Los Angeles, Calif. Lawn mower. 1,562,709; Nov. 24.
McVey, Clark M., et al. (See Ward, Andrew W., assignor.)

Mead, George J., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanization apparatus. 1,563,037; Nov. 24.
Meeky, A., Co. (See Ledig, Richard G., assignor.)
Mekeel, Niles I., Yorktown Heights, N. Y. Electric iron. 1,562,575; Nov. 24.
Melba Manufacturing Co. (See Jones, Albert G., assignor.)
Meredith, Wynn, Alameda, assignor to Petroleum Rectifying Company, San Francisco, Calif. Process of and apparatus for dehydrating emulsions by externally-charged particles. 1,562,712; Nov. 24.
Messer, Charles F. (See Edwards, C. A., and Messer.)
Metal Stampings Corporation. (See Swanson, Carl M., assignor.)
Metropolitan Body Company. (See Carlson, Philip, assignor.)
Metz, H. A., Laboratories, Inc. (See Hooper, Charles W., assignor.)
Metzger, Floyd J., New York, N. Y., and J. D. Neuls, Los Angeles, Calif., assignors to California Cyanide Company, Inc., New York, N. Y. Fumigating apparatus. 1,562,902; Nov. 24.
Meyer & Gross. (See Gross, Edward J., assignor.)
Meyer, Peter H., Buffalo, N. Y. Magnifying paper weight. 1,563,215; Nov. 24.
Meyer, William, Chicago, Ill. X-ray apparatus. 1,562,650; Nov. 24.
Michigan Stove Company, The. (See Maul, Henry C., assignor.)
Mickelson, Marius, Thatcher, Ariz. Concrete form. 1,562,780; Nov. 24.
Miehle Printing & Manufacturing Company. (See Blaine, Joseph R., assignor.)
Miehle Printing Press & Manufacturing Company. (See Henderson, Carl, assignor.)
Milbrath, William, Lakefield, assignor of one-tenth to S. Dubets, St. Paul, Minn. Storm window. 1,562,576; Nov. 24.
Miles, Henry D., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Evaporator. 1,562,713; Nov. 24.
Milker, Herbert P., assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y. Automatic controller for liquid levels. 1,563,097; Nov. 24.
Milliard, Fred. (See Lee, H. S., Chaffee, and Millard.)
Miller, Adolf, New York, N. Y. Electrical drive for automobiles. 1,562,903; Nov. 24.
Miller, Franklin T., Newton, Mass. Automatic selectively-operated mechanism. 1,562,904; Nov. 24.
Miller, Hiram S. (See Clapham, Charles F., assignor.)
Miller, John J. A., Denver, Colo. Door-operated valve-controlled stack damper for fuel-burning furnaces. 1,562,905; Nov. 24.
Miller, John J. A., assignor to The Automatic Furnace Oxidator and Manufacturing Company, Denver, Colo. Liquid-controlled gravity valve for use with furnace oxidators and mechanism for operating the same. 1,562,906; Nov. 24.
Miller, Joseph H., assignor of one-half to E. Schlamp, St. Louis, Mo. Rubber heel. 1,563,098; Nov. 24.
Miller Lock Company, The. (See McCormack, Ira A., assignor.)
Miller, William, New York, N. Y. Watch alarm. 1,562,978; Nov. 24.
Milligan, Williams G., Akron, Ohio. Deflector. 1,562,714; Nov. 24.
Milne Harry P., and L. M. Sanders, deceased, East Orange, N. J.; L. M. Sanders, jr., administrator. Snow plow and loader. 1,562,842; Nov. 24.
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Minerals Separation North American Corporation. (See Broadbridge W., Edser, and Sellers, assignors.)
Minerals Separation North American Corporation. (See Edser, E., and Beasley, assignors.)
Mock, Frank C., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carburetor. 1,562,851; Nov. 24.
Moir, William A. (See Marks, A. R., and Moir.)
Mollberg, Nils T. K., Skarsatra, Lidingon, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Lens apparatus. 1,562,463; Nov. 24.
Moneuse, Alphonse F., New Rochelle, N. Y. Automobile tire. 1,562,577; Nov. 24.
Moog, Otto, assignor to Amme, Giesecke & Konegen, Aktiengesellschaft, Brunswick, Germany. Cast roller for mills. 1,563,216; Nov. 24.
Moore, Arthur E., Conimicut, assignor to Rex Manufacturing Co., Providence, R. I. Mechanically-operated pencil. 1,563,217; Nov. 24.
Moore, D., Company. (See MacInnes, Robert H., assignor.)
Morgan, Montague V., London, England. Safety locking device for use with bolts, nuts, and the like. 1,562,907; Nov. 24.
Morkrum Company. (See Brady, John B., assignor.)
Morris, Herbert, Incorporated. (See Morris, H., and Butterworth, assignors.)
Morris, Herbert, and J. A. Butterworth, Loughborough, England, assignors to Herbert Morris Incorporated, Buffalo, N. Y. Device for attaching chains to lifting-gear hooks and the like. 1,562,908; Nov. 24.
Morris, William C., Flushing, and G. E. Woods, Astoria, N. Y. Method and apparatus for storing oil. 1,563,099; Nov. 24.
Morrison, L. A. (See Andreason, Christian, assignor.)
Morrison, Thomas H., Manitowoc, Wis. Vehicle seat attachment. 1,563,218; Nov. 24.
Morrissey, Gregory D., West Haven, Conn. Glareshield. 1,562,909; Nov. 24.
Moser, Fritz, Zollikon, near Zurich, assignor to W. Schindler, Berne, Switzerland. Builder's hoisting device. 1,562,781; Nov. 24.
Mott, Chester, assignor, by mesne assignments, to Purox Company, Denver, Colo. Detonator for liquid-oxygen explosives. 1,563,219; Nov. 24.
Muend, Charles J., Philadelphia, Pa., assignor to Haines, Jones & Cadbury Incorporated. Valve. 1,562,979; Nov. 24.
Muend, Charles J., Philadelphia, Pa., assignor to Haines, Jones & Cadbury Incorporated. Waste mechanism and control. 1,562,980; Nov. 24.
Muend, Charles J., Philadelphia, Pa., assignor to Haines, Jones & Cadbury Incorporated. Valve structure. 1,562,981; Nov. 24.
Muend, Charles J., Philadelphia, Pa., assignor to Haines, Jones & Cadbury Incorporated. Nozzle connection. 1,562,982; Nov. 24.
Muend, Charles J., Philadelphia, Pa., assignor to Haines, Jones & Cadbury Company. Combination supply and waste. 1,562,983; Nov. 24.
Müller, Friedrich, Elizabeth, N. J., assignor to The Whitney Mfg. Co., Hartford, Conn. Chain and parts therefor. 1,562,843; Nov. 24.
Municipal Street Sign Co. (See Sprung, Abraham, assignor.)
Münzel, Heinrich. (See Lommel, W., and Münzel.)
Murchey Machine and Tool Company. (See Prance, Albert J., assignor.)
Murphy, James P. (See Shull, Harry W., assignor.)
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Murray, Thomas E., Brooklyn, N. Y. Incased fuse. 1,562,984; Nov. 24.
Murray, Thomas E., Brooklyn, N. Y. Fuse. 1,562,985; Nov. 24.
Muse, John B., Cameron, N. C. Tobacco-drying apparatus. 1,563,312; Nov. 24.
Musto, John, Waterbury, Conn. Spring heel. 1,562,986; Nov. 24.
Myers, Walter E. (See Myers, William A., assignor.)
Myers, William A., Riverside, assignor of one-half to W. E. Myers, Inglewood, Calif. Ribbon measuring and recording device. 1,563,100; Nov. 24.
Nabors, William C., Mansfield, La. Trailer. 1,562,652; Nov. 24.
Nagel, George E., Greenville, Ohio. Combined rail anchor, chair, and cushion. 1,563,220; Nov. 24.
Nagel, Henry W., Chicago, assignor to T. H. Ferguson, Oak Park, Ill. Conveying system. 1,562,987; Nov. 24.
Naismith, Samuel, assignor to Open Hearth Combustion Company, Chicago, Ill. Maintaining open-hearth-furnace walls. 1,563,038; Nov. 24.
Nash, Robert J. (See Gower, F. W., Owen, and Nash.)
National Aniline & Chemical Company. (See Daniels, Lloyd C., assignor.)
National Carbon Company. (See Cotabish, Nelson C., assignor.)
National Cash Register Company, The. (See Carroll, Thomas, assignor.)
National Cash Register Company, The. (See Oberhauser, Emil E., assignor.)
National Malleable and Steel Castings Company. (See Coffin, Walter E., assignor.)
National Standard Company. (See Hopkins, Arthur C., assignor.)
Naylor, Jonathan R., assignor to Auto Light Control Company, Three Rivers, Mich. Dimmer for headlights. 1,562,715; Nov. 24.
Nelson, Andrew, Saltfleet Township, Wentworth County, Ontario, Canada. Calipers. 1,562,464; Nov. 24.
Nelson, Cary H., Denver, Colo. Mold. 1,562,465; Nov. 24.
Nelson, John, assignor to Marquette Tool & Manufacturing Company, Chicago, Ill. Power press. 1,562,988; Nov. 24.
Nelson, Theodore J., assignor to Colonial Lamp & Fixture Works, Inc., Chicago, Ill. Lighting fixture. 1,562,466; Nov. 24.
Nelson, Theodore J., assignor to Colonial Lamp & Fixture Works, Chicago, Ill. Lighting fixture. 1,562,467; Nov. 24.
Neresheimer, Heinrich, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Manufacture of vat dyestuffs. 1,562,468; Nov. 24.
Netsch, Josef, Pruske, Czechoslovakia. Firearm. 1,563,285; Nov. 24.
Neuls, Joseph D. (See Metzger, F. J., and Neuls.)
Neumann, Walther. (See Klopstock, H., and Neumann.)
Newell, Clair D., San Francisco, Calif. Umbrella-identification means. 1,563,039; Nov. 24.
Nicolson, Alexander M., assignor to Western Electric Company, Incorporated, New York, N. Y. Piezo-electric device and producing the same. 1,562,578; Nov. 24.
Nilson, Nils. (See Nilson, Ralph G., assignor.)
Nilson, Olof G. (See Glasner, E. W., and Nilson.)
Nilson, Ralph G., assignor to N. Nilson, Worcester, Mass. Fraction-reading micrometer caliper. 1,562,653; Nov. 24.



Nix, William S., Duncan Okla. Stalk cutter. 1,563,221; Nov. 24.
Nixon, Jeddy D., Houston, Tex. Tubing slip and spider. 1,562,469; Nov. 24.
Noack, Edward H., Stockton, Calif. Heat-resisting steel. 1,562,782; Nov. 24.
Nock, Edgar L., Edgewood, R. I. Oil burner. 1,562,910; Nov. 24.
North Bros. Mfg. Co. (See Fegley, T. J., and Leopold, assignors.)
Nojar Manufacturing Company. (See Porter, W. S., and Hughes, assignors.)
Nolde & Horst Co., The. (See Lengel, William L., assignor.)
Nolde and Horst Company, The. (See Rader, Irvin assignor.)
Nordhaus, William H., River Forest, Ill. Can opener. 1,562,579; Nov. 24.
Nordhaus, William H., River Forest, Ill. Can opener. 1,562,580; Nov. 24.
Norton, Charles H., Plainville, Conn., assignor to Norton Company, Worcester, Mass. Cylindrical grinding machine. 1,563,310; Nov. 24.
Norton Company. (See Norton, Charles H., assignor.)
Norwood, C. A. (See Arnold, James F., assignor.)
Norwood, Walter N., Los Angeles, Calif. Vapor apparatus. 1,563,280; Nov. 24.
Noyes, Alfred C., New York, N. Y. Ornamental covering for shoe buttons. 1,562,581; Nov. 24.
Ny, Jules A., assignor of two-thirds to Western Can Company, San Francisco, Calif. Lithograph-drying system. 1,562,716; Nov. 24.
Oakland Machinery Company. (See Farum, Elecie P., assignor.)
Oberhauser, Emil E., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,562,717; Nov. 24.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,562,783; Nov. 24.
Offenhauser, Christopher, Philadelphia, Pa. Automobile bumper. Des. 68,869; Nov. 24.
Offenhauser, Christopher, Philadelphia, Pa. Mixing machine. 1,563,101; Nov. 24.
Oliver Chilled Plow Works. (See Carlson, Charles F., assignor.)
Oliver Iron & Steel Corporation. (See Fassinger, Charles, assignor.)
Olsen, Anton E., assignor of one-half to G. M. Reichenbach, New York, N. Y. Window mounting and operating device for doors. 1,562,718; Nov. 24.
Olsen, Anton E., assignor of one-half to G. M. Reichenbach, New York, N. Y. Window-operating device. 1,562,719; Nov. 24.
Olsen, Rudolph K., Omaha, Nebr. Anchor strip for securing finishing structures to concrete. 1,562,784; Nov. 24.
Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Thermostatic control of heating appliances for brooders. 1,563,222; Nov. 24.
O'Neill, Henry W., Brooklyn, assignor to Western Electric Company, Inc., New York, N. Y. Transmission circuits. 1,562,844; Nov. 24.
Open Hearth Combustion Company. (See Naismith, Samuel, assignor.)
Ore Roasting Development Company. (See Fogh, Carl S., assignor.)
Orkin, Jacob I., Boston, Mass. Antiseptic attachment for telephones. 1,562,515; Nov. 24.
Orkla Grube-Aktiebolag. (See Pedersen, Harald, assignor.)
Osako, Cleotra. (See John, Tom J., assignor.)
Osburn, Robert A., Birmingham, Ala. Antiglare attachment for headlights. 1,563,102; Nov. 24.
Ott, George S., assignor of one-third to H. M. Bartlett, Exeland, Wis. Milk strainer. 1,562,911; Nov. 24.
Owen, Hugh J. (See Gower, F. W., Owen, and Nash.)
Owen, Malcolm, London, England. Doctor-operating gear. 1,562,470; Nov. 24.
Owens Bottle Company, The. (See Soubier, Leonard D., assignor.)
Pacific Flush Tank Company. (See Cox, James W., assignor.)
Pacific Lumber Company, The. (See Humboldt, Elie S., assignor.)
Pack, Gustave C., New Brunswick, N. J. Brake band. 1,562,845; Nov. 24.
Paez, Aladar, Cleveland Heights, Ohio. Producing alloys. 1,562,654; Nov. 24.
Paez, Aladar, Cleveland Heights, Ohio. Process for composition of matter for deoxidizing metals and alloys. 1,562,655; Nov. 24.
Paden City Glass Manufacturing Company. (See Fisher, David, assignor.)
Page, Hattie J., assignor of one-half to E. A. Clements, Grand Rapids, Mich. Undergarment. 1,562,471; Nov. 24.
Pape, August H., Kentfield, Calif. Automobile top. 1,563,287; Nov. 24.
Pape, August H., Kentfield, Calif. Automobile side curtain. 1,563,288; Nov. 24.
Park, Kenneth C., San Francisco, Calif. Strip-gauze packer. 1,562,656; Nov. 24.
Parker, George D., assignor to Stebler Parker Co., Riverside, Calif. Automatic loading device for elevators. 1,562,582; Nov. 24.
Parker, Knight K., Chicago, Ill. Shock absorber. 1,562,785; Nov. 24.
Parker, Lee H., assignor to Spray Engineering Company, Boston, Mass. Apparatus for spraying in cooling ponds and the like. 1,562,657; Nov. 24.
Parker, Russell H., Benton County, Oreg. Ignition-circuit switch. 1,563,289; Nov. 24.
Parkersburg Rig & Reel Company, The. (See Leland, Harrison R., assignor.)
Parks, Dennis, St. Louis, Mo. Assembling composite heel blanks. 1,563,103; Nov. 24.
Parsons, Walter, Brooklyn, N. Y. Needle threader. 1,563,223; Nov. 24.
Pauly Jail Building Company. (See Tracy, Michael J., assignor.)
Payne, Clarence Q., New York, N. Y. Antifriction material and making the same. 1,562,846; Nov. 24.
Peabody, William, White Cloud, Kans. Locking device for tanks. 1,563,224; Nov. 24.
Peale, Rembrandt. (See Davis, Kenneth, assignor.)
Pease, Fred F., East Braintree, Mass. Launching apparatus. 1,562,583; Nov. 24.
Pedersen, Harald, Trondhjem, Norway, assignor to Orkla Grube-Aktiebolag, Lokken Verk, Norway. Process for the treatment of alloys containing copper and iron. 1,562,472; Nov. 24.
Pedersen, Otto, Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Measuring temperatures. 1,563,104; Nov. 24.
Peerless Dye Works. (See Schmer, Frederick W., assignor.)
Penfold, Albert E., Birmingham, assignor to The Dunlop Rubber Company, Limited, Regents Park, London, England. Golf ball and making same. 1,562,912; Nov. 24.
Pennington, Harry R., Chicago, Ill., assignor to J. A. Amos, St. Louis, Mo. Electrical attachment plug. 1,563,105; Nov. 24.
Pennsylvania Crusher Company. (See Doerres, John H., assignor.)
Perret, Joseph, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France. Regulation of polyphase commutating motors. 1,562,786; Nov. 24.
Petersime, Ira M., Gettysburg, Ohio. Incubator. 1,562,787; Nov. 24.
Petroleum Rectifying Company. (See Meredith, Wynn, assignor.)
Pettee, Fred L., and T. Bargman, Detroit, Mich. Bathing garment. 1,562,720; Nov. 24.
Pfeifer, William J., Oak Park, Ill. Damper mechanism or draft regulator. 1,562,584; Nov. 24.
Phelps, Henry E. (See Toomey, J. F., and Phelps.)
Philadelphia Steam Heating Company. (See Barker, Thomas L., assignor.)
Phillips, David, College Point, N. Y. Ribbon fastener. 1,562,847; Nov. 24.
Phillipps, Malcolm T., Toorak, South Australia, Australia. Sanitary flushing device. 1,562,585; Nov. 24.
Phipps, Arthur E., Philadelphia, Pa. Combination shade bracket. 1,563,280; Nov. 24.
Pieper, Alphonse F. (See Pieper, Oscar H. and A. F.)
Pieper, Oscar H. and A. F., Rochester, N. Y. Unitary dental apparatus. Re16,218; Nov. 24.
Pierce, Frank M., Chicago, Ill. Musical toy. 1,562,721; Nov. 24.
Pierce, George F., Chicago, Ill. Automatic candy-making and peanut machine. 1,562,913; Nov. 24.
Pierce, John, Southbury, Conn. Tea-balling machine. 1,563,106; Nov. 24.
Piper, Walter F. (See Beardsley, E. O., and Piper.)
Plemmons, John G., Detroit, Mich. Engine. 1,562,722; Nov. 24.
Plunkett, Charles L., Monte Vista, Colo. Chicken coop. 1,563,107; Nov. 24.
Poetsch, Chester M., Chicago, Ill. Radiator cover. Des. 68,870; Nov. 24.
Poindexter, Robert W., Los Angeles, Calif., assignor, by mesne assignments, to California Cyanide Company, Inc. Producing carbon and hydrocyanic acid. 1,562,914; Nov. 24.
Polygraphische Gesellschaft. (See Schäffer, Werner, assignor.)
Pool, William H., Salt Lake City, Utah. Insect destroyer. 1,562,586; Nov. 24.
Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,562,516; Nov. 24.
Pörscke, Rudolf, Hamburg, Germany. Electrolyte for galvanic elements. 1,562,517; Nov. 24.
Porter, William S., and H. L. Hughes, Weehawken, N. J., assignors to Nojar Manufacturing Company, Inc., New York, N. Y. Shock absorber. 1,562,848; Nov. 24.
Porter, William S., and H. L. Hughes, Weehawken, N. J., assignors to Nojar Manufacturing Company, Inc., New York, N. Y. Adjustable support as applied to rolled structural shapes. 1,562,849; Nov. 24.
Prance, Albert J., assignor to Murchey Machine and Tool Company, Detroit, Mich. Thread-cutting die. 1,563,108; Nov. 24.
Precision Truing Machine and Tool Company, The. (See Conners, Edward R., assignor.)

Pressley, John F., Detroit, Mich. Vehicle seat. 1,562,658; Nov. 24.

Pressed Steel Car Company. (See Blest, Minot C., assignor.)

Preston, Clarence S., San Diego, Calif. Shock absorber. 1,563,040; Nov. 24.

Provost, Peter, et al. (See Rockburg, George A., assignor.)

Purinton, Forrest G., Waterbury, Conn. Electroplating apparatus. 1,563,041; Nov. 24.

Purox Company. (See Mott, Chester, assignor.)

Pysel, Daniel, Piedmont, assignor to Simplex Refining Company, San Francisco, Calif. Distillation. 1,562,723; Nov. 24.

Quarles, Donald A., Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling circuits. 1,562,989; Nov. 24.

Quintin, John C., Alhambra, assignor to H. Woollen, Los Angeles, Calif. Vending machine. 1,563,109; Nov. 24.

Rabinowitz, Louis M. (See Hardie, Robert W., assignor.)

Rader, Irvin, assignor to The Noide and Horst Company, Reading, Pa. Embroidery-frame holder for sewing machines. 1,562,850; Nov. 24.

Radio Corporation of America. (See Edwards, Robert C., assignor.)

Rail Joint Company, The. (See Armstrong, Victor C., assignor.)

Rail Joint Company, The. (See Disbrow, Clarkson A., assignor.)

Ranagan, William H., Vineland, N. J. Device for grinding bottles and stoppers. 1,562,587; Nov. 24.

Ransom, Roscoe B., Dallas, Tex. Window display rack. 1,562,851; Nov. 24.

Rappaport, Max., New York, N. Y. Sweatband. 1,562,990; Nov. 24.

Rarig, Walter A., Oakland, Calif. Oiler for transmission bands. 1,562,788; Nov. 24.

Rasmussen, Alfred, Plainview, assignor of one-half to S. Shindo, Grand Island, Nebr. Lister-cultivator shield attachment. 1,563,291; Nov. 24.

Rauschenberg, Emil C., assignor to Wheeling Mold & Foundry Co., Wheeling, W. Va. Annealing box. 1,563,225; Nov. 24.

Ravner, Öystein, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Christiania, Norway. Process and apparatus for condensing zinc vapor. 1,562,473; Nov. 24.

Rawls, Burbon D., Shreveport, La. Concrete-monument mold. 1,563,292; Nov. 24.

Read, John B. (See Coolbaugh, M. F., and Read.)

Recordon, Charles E., Elizabeth, N. J., and J. W. Hille, Brooklyn, N. Y., assignors to Air Reduction Company, Incorporated. Liquefaction of gases. 1,562,915; Nov. 24.

Redfield, Howard A., Monterey Park, Calif. Keeper for cuff buttons. 1,562,724; Nov. 24.

Reed, Richard W., Washington, D. C. Portable lubricant or grease cup filler. 1,563,226; Nov. 24.

Reichenbach, George M. (See Olsen, Anton E., assignor.)

Regelein, Wilhelm, and R. Sameith, assignors to the Firm Thyssen & Co., Aktiengesellschaft, Mulheim-on-the-Ruhr, Germany. Rotor for electrical machines. 1,563,110; Nov. 24.

Renard, Louis, Santa Rosa, Calif. Wire stretcher. 1,562,588; Nov. 24.

Rendleman, Norman C., Dormont, assignor to Jones and Laughlin Steel Corporation, Pittsburgh, Pa. Structural-element manufacture. 1,562,916; Nov. 24.

Replogle, Frederick G., et al. (See Replogle, Ulysses G., assignor.)

Replogle, Ulysses G., assignor of forty one-hundredths to H. E. Jaquette, twenty-five one-hundredths to F. G. Replogle, twenty-five one-hundredths to J. W. Brown, and ten one-hundredths to A. C. Jaquette, Toledo, Ohio. Alarm mechanism. 1,562,589; Nov. 24.

Rex Manufacturing Co. (See Moore, Arthur E., assignor.)

Rheinische Metallwaaren- und Maschinenfabrik. (See Schuler, Hermann, assignor.)

Rice, Arthur D., Cleveland, Ohio. Napkin holder. Des. 68,871; Nov. 24.

Rice, William H., Omaha, Nebr. Needle threader. 1,562,474; Nov. 24.

Richter, Oskar, assignor to Anschütz & Co., Neumuhlen, near Kiel, Germany. Increasing the turning moment in indicating devices. 1,562,917; Nov. 24.

Riddle, F. E. (See Herring, Walter L., assignor.)

Riddle, Milford, Bloomfield, Ind. Gate. 1,562,789; Nov. 24.

Riebeth, George H., Minneapolis, Minn., assignor to French Battery & Carbon Co., Madison, Wis. Lamp tester. 1,563,227; Nov. 24.

Ries, Roy, Hollywood, Calif. Toy. 1,563,111; Nov. 24.

Riley Stoker Corporation. (See Blackburn, A. H., and Armstrong, assignors.)

Riley Stoker Corporation. (See Grahame, Dallas F., assignor.)

Ritz Woller, Oliver C., Chicago, Ill. Automobile lens. Des. 68,872; Nov. 24.

Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Check for loom needle motion. 1,562,669; Nov. 24.

Rockburg, George A., assignor of one-third to J. C. Kleist and one-third to P. Provost, Milwaukee, Wis. Grain-heating device. 1,562,790; Nov. 24.

Rodgers, Braxton F., Dallas, Tex. Gas heater. 1,562,590; Nov. 24.

Rodrigues, Gregorio D., Leon, Nicaragua. Daylight developing of photographic plates and films. 1,563,228; Nov. 24.

Roessler & Hasslacher Chemical Company, The. (See Brown, Mortimer J., assignor.)

Rogers, Nathaniel. (See Daniel, W. G., and Rogers.)

Rohm & Haas Company. (See Breedis, John, assignor.)

Roller Bearing Company of America. (See Jones, Allan H., assignor.)

Rommer, Isaac A., Brooklyn, N. Y., assignor by mesne assignments, to Voices Incorporated. Talking mechanism for toys. 1,562,475; Nov. 24.

Roney, John S., Middletown, Ohio. Drying device. 1,563,042; Nov. 24.

Roos Bros. (See Bourgeault, Nadeau L., assignor.)

Rosenheim, Karl, Frankfort-on-the-Main, Germany. Locking device for skylights and the like. 1,563,043; Nov. 24.

Rosenstein, Otto, San Francisco, assignor to K. Schroer, Berkeley, Calif. Preserve jar. Des. 68,873; Nov. 24.

Rosenstein, Otto, San Francisco, assignor to K. Schroer, Berkeley, Calif. Preserve jar. Des. 68,874; Nov. 24.

Ross, Andrew. (See Johnson S. W., and Ross.)

Ross, Karl, Los Angeles, Calif. Check protector. 1,562,591; Nov. 24.

Rowe, Alvin V. (See Knutson, Alfred W., assignor.)

Rubber Development Company. (See Freedlander, A. L., and Goodwin, assignors.)

Rubwood, Inc. (See Atwood, Harry N., assignor.)

Rudigier, Edward A., Baltimore, Md., assignor to Standard Development Company. Transportable tank. 1,562,991; Nov. 24.

Ruf, Herman P., New York, N. Y. Cord machine. 1,562,852; Nov. 24.

Runyan, Arthur L., Long Beach, Calif. Educational device. 1,562,518; Nov. 24.

Ruppel, Frederick C., Grand Rapids, assignor to Hayes Products Company, Grand Haven, Mich. Celluloid mold for cementitious plastics. 1,562,519; Nov. 24.

Ruppel, Frederick C., Grand Rapids, assignor to Hayes Products Company, Grand Haven, Mich. Molding plastic bodies. 1,562,520; Nov. 24.

Russell, Robert C., Pittsburgh, Pa. Loose-leaf book. 1,562,918; Nov. 24.

Russell, Robert C., Pittsburgh, Pa. Loose-leaf book. 1,562,919; Nov. 24.

Russell, Robert C., Pittsburgh, Pa. Loose-leaf book. 1,562,920; Nov. 24.

Russia Cement Company. (See Suiter, Arthur W., assignor.)

Ruth, Joseph, P., jr., Denver, Colo. Discharge head for grinding mills. 1,562,791; Nov. 24.

Ruth, Joseph P., jr., Denver, Colo. Discharge for grinding mills. 1,562,792; Nov. 24.

Sameith, Richard. (See Regelein, W., and Sameith.)

San Jose Spray Mfg. Co. (See Bunds, Lester A., assignor.)

Sanders, Earl V., Pawnee, Ill. Folding wall-mounted ironing board. 1,563,044; Nov. 24.

Sanders, Louis M., jr., administrator. (See Milne, H. P., and Sanders.)

Sanders, Louis M. (See Milne, H. P., and Sanders.)

Sanders, Merle T., Ashland, Ky. Tread and riser marker. 1,563,229; Nov. 24.

Sanford, Hugh W., Knoxville, Tenn. Railway-car brake. 1,562,793; Nov. 24.

Sanford, Hugh W., Knoxville, Tenn. Railway-car brake. 1,562,794; Nov. 24.

Santangelo, Biaggio, Norristown, Pa. Toy. 1,563,293; Nov. 24.

Sattel, Alvin, Johnstown, Pa. Facing apparatus. 1,563,294; Nov. 24.

Sauer, Johan N. A., Amsterdam, Netherlands. Manufacturing decolorizing carbon. 1,563,295; Nov. 24.

Sauveur, Harry, Berlin-Lankwitz, Germany, assignor to Handel-Maatschappij H. Albert De Bary & Co., Amsterdam, Netherlands. Combined sprag and brake for power-driven vehicles. 1,562,795; Nov. 24.

Saviers, Walter J., Los Angeles, Calif. Vehicle signal. 1,562,592; Nov. 24.

Savill's, Thomas, Sons. (See MacKay, John, assignor.)

Scarborough, Donald S., St. Louis, Mo. Water heater. 1,563,296; Nov. 24.

Schäffer, Werner, assignor to Polygraphische Gesellschaft, Laupen-Bern, Switzerland. Producing sheets for photographic reproductions, reproductions by reflected light, and the like. 1,563,045; Nov. 24.

Schaller, Louis W., Portland, Oreg. Damper for fireplaces. 1,562,727; Nov. 24.

Schell, Carl A., Cleveland, Ohio, assignor to Thermoid Rubber Company, Hamilton Township, N. J. Flexible disk for couplings. 1,563,230; Nov. 24.

Schell, Carl A., Cleveland, Ohio, assignor to Thermoid Rubber Company, Hamilton Township, N. J. Disk for flexible couplings. 1,563,231; Nov. 24.

Schindler, Walter. (See Moser, Fritz, assignor.)

Schlamp, Emil. (See Miller, Joseph H., assignor.)

Schlegel, Charles P., assignor to The Schlegel Mfg. Company, Rochester, N. Y. Grip strap. 1,562,521; Nov. 24.





Schlegel Mfg. Company, The. (See Schlegel, Charles P., assignor.)

Schlotzhauer, Frank T., San Francisco, Calif. Oil and gas burner. 1,563,282; Nov. 24.

Schmidt, Frans, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. 1,563,301; Nov. 24.

Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Radiator cap. Des. 68,875; Nov. 24.

Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Radiator cap. Des. 68,876; Nov. 24.

Schonberger, Max, Brooklyn, N. Y. Portable automobile turntable for garages. 1,562,853; Nov. 24.

Schroer, K. (See Rosenstein, Otto, assignor.)

Schuler, Hermann, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Shell-firing gun with two barrels. 1,562,796; Nov. 24.

Schwartz, Harry, New York, N. Y. Pneumatic toy. 1,562,593; Nov. 24.

Scott, Robert W., Babylon, assignor to Scott and Williams, Inc., New York, N. Y. Knitting needle. 1,563,233; Nov. 24.

Scott and Williams, Inc. (See Scott, Robert W., assignor.)

Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Vehicle spring bearing. 1,562,594; Nov. 24.

Sears, John E., jr., and A. J. C. Brookes, Teddington; said Sears assignor to said Brookes, Bridgnorth, England. Method of and apparatus for measurement and/or standardization. 1,563,046; Nov. 24.

Segal, Herman, New York, N. Y. Phonograph reproducer. Des. 68,877; Nov. 24.

Segal, Herman, New York, N. Y. Phonograph reproducer. Des. 68,878; Nov. 24.

Schling, Max, New York, N. Y. Flower holder. 1,562,992; Nov. 24.

Sehmer, Frederick W., Wauwatosa, assignor to Peerless Dye Works, Milwaukee, Wis. Curtain stretcher. 1,562,595; Nov. 24.

Seidomridge, B. W. (See Bass, Frederick D., assignor.)

Sellers, William G. (See Broadbridge, W., Edser, and Sellers.)

Sellers, William, & Company. (See Kneass, Strickland L., assignor.)

Sewell, John H., Saskatoon, Saskatchewan, Canada. Tobacco-pipe cleaner. 1,562,921; Nov. 24.

Shafer, Clifford C., assignor to Guaranty Egg Corporation, Newark, N. J. Composition for preserving eggs. 1,562,854; Nov. 24.

Shaff, Ernest H., assignor to William H. Keller, Inc., Grand Haven, Mich. Handle-locking means for fluid-pressure-operated tools. 1,562,725; Nov. 24.

Shaff, Ernest H., assignor to William H. Keller, Inc., Grand Haven, Mich. Fluid-pressure-operated tool. 1,562,726; Nov. 24.

Shelton, Stephen. (See Albrecht, Theodore, J. J., assignor.)

Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt. 1,562,522; Nov. 24.

Shindo, Saburo. (See Rasmussen, Alfred, assignor.)

Shonley, Theodore J., Mount Ayr, Iowa. Mechanical glare darkener for automobile headlights. 1,563,297; Nov. 24.

Short, Henry M., Penn Yan, N. Y. Flexible nonmetallic electric conduit. 1,563,234; Nov. 24.

Shull, Harry W., Broadwater, assignor of one-half to J. P. Murphy, Alliance, Nebr. Pitman box for use on mowers and binders. 1,562,797; Nov. 24.

Siegel, Samuel J., New York, N. Y., assignor to J. B. Campbell Manufacturing Co., Salem, N. J. Floor covering. 1,562,922; Nov. 24.

Simmelbauer, Wilhelm, Munich, Germany. Safety razor. 1,562,660; Nov. 24.

Simmons Company. (See Stuart, Charles A., assignor.)

Simplex Refining Company. (See Pysel, Daniel, assignor.)

Simpson, Emory G., assignor to Fisher Body Corporation, Detroit, Mich. Weather frame for windshields. 1,562,861; Nov. 24.

Singer Manufacturing Company, The. (See Corrall, H., and Stevens, assignors.)

Singer Manufacturing Company, The. (See Herr, Park A., assignor.)

Singer Manufacturing Company, The. (See Webb, Irving F., assignor.)

Sisson, James G., Athol, Mass. Measuring device. 1,562,923; Nov. 24.

Skalka, Albert J., Fairfield, Nebr. Mechanical movement. 1,562,798; Nov. 24.

Slappey, William R., Jacksonville, Fla. Window-sash-retaining arrangement. 1,562,528; Nov. 24.

Slate, Thomas B., New York, N. Y. Quick-sealing closure for refrigerating devices. 1,563,112; Nov. 24.

Smith, Elizabeth B., Marvell, Ark. Planter. 1,563,235; Nov. 24.

Smith, Emory T., Ludlow, assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass. Valve-operating mechanism. 1,562,596; Nov. 24.

Smith, Emory T., Ludlow, assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass. Valve-operating mechanism. 1,562,597; Nov. 24.

Smith, Goodwin B., assignor to Smith Vending Machine Corp., New York, N. Y. Casing for a vending machine. Des. 68,880; Nov. 24.

Smith, Ira E., Stockton, Calif. Electrical ignition means for oil burners. 1,562,799; Nov. 24.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,562,524; Nov. 24.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,563,113; Nov. 24.

Smith, Joe F., Dallas, Tex. Game board or table. 1,562,800; Nov. 24.

Smith, John W., Philadelphia, Pa. Vehicle wheel. 1,563,114; Nov. 24.

Smith, Layton F., Philadelphia, Pa. Portable toilet seat. 1,563,236; Nov. 24.

Smith Vending Machine Corp. (See Smith, Goodwin B., assignor.)

Sneddon, James P., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Baffle. 1,562,476. Nov. 24.

Snyder, Clarence E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Molding tape. 1,562,598. Nov. 24.

Societe du Carburateur Zenith. (See Taylor, Richard H., assignor.)

Society of Chemical Industry in Basle. (See Sutter, Theodor, assignor.)

Somers, Mitchell J., Springfield, Ohio. Sand riddle. 1,563,047; Nov. 24.

Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Apparatus for feeding molten glass. 1,563,298; Nov. 24.

Spiro, Walter J., White Plains, N. Y. Automobile control. 1,562,801; Nov. 24.

Sprague, Frank N., Holyoke, Colo. Friction-controlled pawl-and-ratchet-operated shock absorber for automobiles and like vehicles. 1,562,802; Nov. 24.

Spray Engineering Company. (See Parker, Lee H., assignor.)

Sprung, Abraham, assignor to Municipal Street Sign Co. Inc., New York, N. Y. Illuminated-traffic-signal standard. Des. 68,879; Nov. 24.

Stallman, Frank O., San Francisco, Calif. Loader. 1,563,237; Nov. 24.

Standard Computing Scale Company, The. (See Jaenichen, Louis, assignor.)

Standard Development Company. (See Baldeschwieler, Emile L., assignor.)

Standard Development Company. (See Rudigier, Edward A., assignor.)

Standard Oil Company. (See Chappell, Marvin L., assignor.)

Stanley Works, The. (See Bodmer, Christian, assignor.)

Stanley Works, The. (See Walter, H. S., and Bodmer, assignors.)

Stanwood Equipment Company. (See Stanwood, Frank H., assignor.)

Stanwood, Frank H., Wilmette, assignor to Stanwood Equipment Company, Chicago, Ill. Pedal cover. 1,562,993; Nov. 24.

Steadham, Robt. L. (See Jenkins, Brooks O., assignor.)

Stebbins, Albert H., Los Angeles, Calif. Concentrating unit. 1,563,238; Nov. 24.

Stebler Parker Co. (See Parker, George D., assignor.)

Stell, Alfred, Keighley, England. Bearing for the spindles of flier spinning, doubling, twisting, and like machines. 1,562,924; Nov. 24.

Stevens, Bertram A. (See Corrall, H., and Stevens.)

Stevens, Harry P., New York, N. Y. Window-controlling device. 1,563,115; Nov. 24.

Stevens, William C., assignor to Firestone Tire and Rubber Company, Akron, Ohio. Core. 1,562,662; Nov. 24.

Stewart, Andrew B., Chicago, Ill. Adjustable connected electric lamp and lamp support. 1,562,994; Nov. 24.

Stewart-Warner Speedometer Corporation. (See Burton, Charles S., assignor.)

Stewman, Ralph A., Akron, Ohio. Combination automobile lock. 1,563,239; Nov. 24.

Stien, George V., Stevens Point, Wis. Electric-light holder for Christmas trees. 1,563,048; Nov. 24.

Stockmar, A. H., et al. (See Jenkins, Brooks O., assignor.)

Stone, William I., St. Louis, Mo. Automobile signal device. 1,562,803; Nov. 24.

Stout, John B. (See Williams, C. E., and Stout.)

Stremer, Frank, Athens, Wis. Device for bundling loose leaves. 1,562,925; Nov. 24.

Stromberg Motor Devices Company. (See Mock, Frank C., assignor.)

Strong, George W., and G. Uhlin, Rosedale, Kans. Grain-car door. 1,562,804; Nov. 24.

Strong, William J. H., Chicago, Ill. Flying machine. 1,562,663; Nov. 24.

Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 68,881; Nov. 24.

Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 68,882; Nov. 24.

Sturges, Arthur H., Omaha, Nebr. Fuel-saving device. Re16,214; Nov. 24.
Submarine Signal Company. (See Fessenden, Reginald A., assignor.)
Suiter, Arthur W., Woonsocket, R. I., assignor to Russia Cement Company, Gloucester, Mass. Bottle-cap sorting and feeding mechanism. 1,562,599; Nov. 24.
Sutter, Theodor, Monthey, assignor to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Separating potassium and sodium hydroxides. 1,562,805; Nov. 24.
Svenska Ackumulator. Aktiebolaget Jungner. (See Lissel, Karl G., assignor.)
Swanson, Carl M., assignor to Metal Stampings Corporation, Streator, Ill. Table-cover fastening. 1,562,995; Nov. 24.
Sweet, George C. (See Fuller, L. F., and Sweet.)
Syvertsen, Ole, assignor of one-half to H. Chiverton, Jamestown, N. Y. Ash pan. 1,562,926; Nov. 24.
Tabor, Patrick E., Joplin, and V. Y. Kirkpatrick, Jackson County, Mo. Pump jack. 1,563,240; Nov. 24.
Tabulating Machine Company, The. (See Carroll, Fred M., assignor.)
Tappan Stove Company, The. (See Taylor, Thomas E., assignor.)
Tagliabue, Charles J., Manufacturing Co. (See Milker, Herbert P., assignor.)
Taylor, Richard H., New York, N. Y., assignor to Societe du Carburateur Zenith, Lyon, France. Carburetor. 1,562,806; Nov. 24.
Taylor, Roy. (See Wilke, Christopher, assignor.)
Taylor, Thomas E., assignor to The Tappan Stove Company, Mansfield, Ohio. Stove structure. 1,562,927; Nov. 24.
Taylor, William L., Roanoke, Va. Garage door. 1,562,600; Nov. 24.
Tedrick, Marvin R., Plain City, Ohio. Lubricating mechanism. 1,562,664; Nov. 24.
Telegraph Typewriter Co. (See Kleber, Oscar L., assignor.)
Ternstedt Manufacturing Company. (See Schnell, William, assignor.)
Terry, Eselle, Ionia, Mich. Lamp standard. Des. 68,883; Nov. 24.
Texas Company, The. (See Hall, Frank W., assignor.)
Thermoid Rubber Company. (See Schell, Carl A., assignor.)
Thew Shovel Company, The. (See Weber, Charles A., assignor.)
Thomas, Wingate S., assignor to Knapp Brothers Manufacturing Company, Chicago, Ill. Carpet stretcher and the like. 1,562,665; Nov. 24.
Thiel, Ferdinand, New York, N. Y. Lamp shade. 1,562,807; Nov. 24.
Thompson, Augustus F., Huntington, W. Va. Gas burner. 1,563,049; Nov. 24.
Thompson, Augustus F., Huntington, W. Va. Gas burner. 1,563,050; Nov. 24.
Thompson, John A., jr., Taylor, Tex. Lumber carrier. 1,562,808; Nov. 24.
Thompson, Willie B., Seattle, Wash. Draw sheet. 1,562,809; Nov. 24.
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Regulator for inclosed electrical apparatus. 1,563,051; Nov. 24.
Thovson, Thomas O. (See Brager, Oliver and C. S., Thovson, and Bray.)
Thunholm, Karl L. E., Orebro, Sweden. Apparatus for evaporating liquids indirectly. 1,562,525; Nov. 24.
Thyssen & Co., Aktiengesellschaft. (See Regelein, W., and Sameith, assignors.)
Tinkess, Alfred S., Stockton, Calif. Combination lunch box and table. 1,562,855; Nov. 24.
Tinsley, James D., near Bakersfield, Calif. Adjustable shelving and service device. 1,563,116; Nov. 24.
Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)
Tobler, Ernest, Brunswick, Germany, assignor, by mesne assignments, to The Defender Lock Co., Inc. Combination lock. Re16,215; Nov. 24.
Tonneller, J. Edmund, and G. C. Feucht, assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Fabricated structural member. 1,563,117; Nov. 24.
Tonneller, J. Edmund, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Fabricated structural member. 1,563,118; Nov. 24.
Tonneller, J. Edmund, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Fabricated structural member. 1,563,119; Nov. 24.
Toomey, John F., and H. E. Phelps, New York, N. Y., assignors to American Telephone and Telegraph Company. Telephone-exchange system. 1,562,526; Nov. 24.
Toomey, John F., and H. E. Phelps, New York, N. Y., assignors to American Telephone and Telegraph Company. Telephone-exchange system. 1,562,527; Nov. 24.
Toomey, John F., and H. E. Phelps, New York, N. Y., assignors to American Telephone and Telegraph Company. Telephone system. 1,562,528; Nov. 24.
Toon, Earl E., Cleveland Heights, Ohio. Door operating and locking mechanism. 1,563,241; Nov. 24.
Tost, Charles R., Centerdale, assignor to The Hadley Company, Providence, R. I. Ribbon-bracelet clasp. 1,563,802; Nov. 24.
Toth, Steven, Los Angeles, Calif. Speedometer. 1,562,666; Nov. 24.
Towe, Claude A., Detroit, Mich. Wheel. 1,562,928; Nov. 24.
Towl, Leslie, Forest Gate, London, England. Screw-driver or turnscrew or the like. 1,562,810; Nov. 24.
Tracy, Michael J., assignor to Pauly Jail Building Company, St. Louis, Mo. Partition in jail construction and speaking panel therefor. 1,562,811; Nov. 24.
Tracy, Roy W. (See Franklin, S. J., and Tracy.)
Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Synchronizing device. 1,563,120; Nov. 24.
Treen, Ralph G., Philadelphia, Pa. Bottle crate. 1,562,477; Nov. 24.
Trees, Harry, Camp Alfred Vail, N. J. Variable condenser. 1,562,812; Nov. 24.
Tregoning, William C., Cleveland, Ohio, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Snap switch. 1,562,601; Nov. 24.
Trenn, Frank W., assignor to The Economy Engineering Company, Willoughby, Ohio. Chuck. 1,562,602; Nov. 24.
Trovaton, Andrew, Thief River Falls, Minn. Potato-handling device. 1,562,929; Nov. 24.
Trumbo, Ellis A., Greenview, Ill. Binder knotter. 1,562,529; Nov. 24.
Turner, Archibald J., assignor to Thos. E. Wilson & Co., Chicago, Ill. Baseball mitt. 1,562,603; Nov. 24.
Turner, Edna. (See Brenneman, John A., assignor.)
Turner, Walter D., Waco, Tex. Guide for sewing machines. 1,562,930; Nov. 24.
Turoff, William J., and E. A. Besancon, New York, N. Y. Boudoir cap. Des. 68,884; Nov. 24.
Twelt, Jacob M., Bolcombe, Wis. Wrench. 1,563,242; Nov. 24.
Twin Dry Cell Battery Company, The. (See Deibel, Cyril P., assignor.)
Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Shears. 1,562,931; Nov. 24.
Uhlin, George. (See Strong, G. W., and Uhlin.)
Underwood Typewriter Company. (See Ananson, Richard D., assignor.)
Underwood Typewriter Company. (See Helmond, William F., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
United Engineering and Foundry Company. (See Johnson, Lane, assignor.)
United Shoe Machinery Corporation. (See Pope, Elmer E., assignor.)
U. S. Industrial Alcohol Co. (See Whitaker, Milton C., assignor.)
Universal Draft Gear Attachment Co. (See Kinsman, Charles C., assignor.)
Universal Optical Corporation. (See Curtis, Thomas S., assignor.)
University Patents, Inc. (See Zucker, Theodore F., assignor.
Utensils Company, The. (See Williams, Lewis M., assignor.)
Uzzell, Frank L., Jamaica, N. Y. Portland amusement riding device. 1,563,122; Nov. 24.
Valentine, James S., Chicago, Ill. Confection mold. 1,563,121; Nov. 24.
Van Deren, James B., Hennessey, Okla. Automatic grain weigher. 1,562,667; Nov. 24.
Van Dresser Brothers. (See Van Dresser, William C., assignor.)
Van Dresser, William C., Detroit, Mich., assignor to Van Dresser Brothers. Reboring tool. 1,562,996; Nov. 24.
Van Gorden, Edward K., Horseheads, N. Y. Basket-ball goal. 1,563,243; Nov. 24.
Van Orman, Bert L., assignor to L. A. Young Industries, Inc., Detroit, Mich. Wire-feeding means. 1,562,997; Nov. 24.
Van Orman, Bert L., assignor to L. A. Young Industries, Inc., Detroit, Mich. Wire-forming means. 1,562,998; Nov. 24.
Verona Tool Works. (See Hart, William F., assignor.)
Victor Talking Machine Company. (See Jones, Frederick C., assignor.)
Victor Talking Machine Company. (See La Rue, William D., assignor.)
Victor Talking Machine Company. (See Williams, Selton T., assignor.)
Voices Incorporated. (See Rommer, Isaac A., assignor.)
Vollmer, Heinrich, Wurttemberg, Germany. Cartridge-feed mechanism. 1,563,052; Nov. 24.
Von Arco, Graf Georg, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for controlling the driving motors in high-frequency machines. 1,563,140; Nov. 24.
Von Frommer, Rudolf, Budapest, Hungary. Sporting gun. 1,562,501; Nov. 24.
Wade, Robert C., Brownsville, Tex. Oil burner. 1,563,123; Nov. 24.
Wagenhorst, James H., Jackson, Mich. Making rims. 1,562,813; Nov. 24.
Wagner, John O., Chicago, Ill. Window-screen brace. 1,562,605; Nov. 24.
Waite, Fred, Inglewood, Otley, England. Delivery mechanism for printing machines. 1,562,999; Nov. 24.
Wajer, John, and O. W. Hopp, Chicago, Ill. Lifting handle. 1,563,000; Nov. 24.



Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin antirolling replenishing mechanism. 1,562,604; Nov. 24.
Wald, John B., Anamosa, Iowa. dies. 1,563,124; Nov. 24.
Walker, Charles B., Moseley, England. Mounting for thermostatic elements. 1,562,932; Nov. 24.
Walter, Henry S., and C. Bodmer, assignors to The Stanley Works, New Britain, Conn. Measuring rule. 1,562,933; Nov. 24.
Walton, Arthur J., Takoma Park, D. C. Valve-spring lifter. 1,562,934; Nov. 24.
Ward, Andrew W., assignor of one-fourth to L. M. La Follette, one-fourth to J. M. Javins, and one-fourth to C. M. McVay, Charleston, W. Va. Smoke condenser. 1,563,125; Nov. 24.
Ward, Henry J., and W. R. Ward, Balmain, Sydney, Australia. Process and machine for working metal bars. 1,562,530; Nov. 24.
Ward, Walter R. (See Ward, Henry J. and W. R.)
Warrington, Charles, Camden, Ill. Chicken roost. 1,562,814; Nov. 24.
Washburn, Robert, Harriston, Ontario, Canada. Sash fastener. 1,562,606; Nov. 24.
Waterbury Metal Wares Company. (See Andersen, Laurits, W., assignor.)
Watkins, Frank M., Cincinnati, Ohio. Drying tumbler. 1,562,531; Nov. 24.
Wayne Tank & Pump Company. (See Griffin, William M., assignor.)
Weatherwax, James L., East Orange, N. J., assignor to Westinghouse Lamp Company. Thermocouple bulb for electrical measuring apparatus. 1,563,053; Nov. 24.
Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Jack. 1,563,001; Nov. 24.
Weaver Manufacturing Company. (See Weaver, Ira A., assignor.)
Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric power transmitter. 1,562,668; Nov. 24.
Webbe, Harold W., Columbus, Ohio. Radio sounder and interference eliminator. 1,562,815; Nov. 24.
Weber, Charles A., assignor to The Thew Shovel Company, Lorain, Ohio. Stuffing box for steam shovels. 1,562,669; Nov. 24.
Weber, Mathias J., assignor to Continental Scale Works, Chicago, Ill. Standard for scales and the like. 1,562,532; Nov. 24.
Weeth, Harvey J., Springfield, Nebr. Truck body. 1,563,244; Nov. 24.
Weil, Ludwig, Biebrich, Germany. Centrifugal pump or blower and similar machine. 1,563,129; Nov. 24.
Weintraub, Ezechiel, Seine, France. Sealed joint. 1,562,533; Nov. 24.
Weisman, Adolph, Brooklyn, N. Y. Metal bed. 1,563,002; Nov. 24.
Weiss, George, Chicago, Ill. Vending machine. 1,562,478; Nov. 24.
Weinge, Joseph C., Cincinnati, Ohio. Pile delivery for printing presses. 1,563,054; Nov. 24.
Welch, George R., Detroit, Mich. Carburetor. 1,562,670; Nov. 24.
Welch, Walter H., Bristol, England. Tool for manipulating split tire-retaining rims of vehicle wheels. 1,563,311; Nov. 24.
Welsh, William H., assignor of one-half to W. Jennens, Philadelphia, Pa. Case heater. 1,563,126; Nov. 24.
Welty, Peter P., Pandora, Ohio. Corner piece for building strips. 1,563,245; Nov. 24.
Wernicke-Hatcher Pump Company. (See Hatcher, William A., assignor.)
Wernts, Frank E., Leeds, Mo. Automatic window-shade-roller adjuster. 1,562,481; Nov. 24.
Western Can Company. (See Ny, Jules A., assignor.)
Western Electric Company. (See Bell, John H., assignor.)
Western Electric Company, Incorporated. (See Chaplin, Berle P., assignor.)
Western Electric Company, Incorporated. (See Cummings, George C., assignor.)
Western Electric Company. (See Eaves, Augutus J., assignor.)
Western Electric Company. (See Granich, Alfred M., assignor.)
Western Electric Company. (See Heising, Raymond A.)
Western Electric Company. (See Horton, Joseph W., assignor.)
Western Electric Company. (See Nicolson, Alexander M., assignor.)
Western Electric Company. (See O'Neill, Henry W., assignor.)
Western Electric Company. (See Quarles, Donald A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kasley, Alexander T., assignor.)
Westinghouse Lamp Company. (See Harrington, Ertle L., assignor.)
Westinghouse Lamp Company. (See Weatherwax, James L., assignor.)
Weston, Milton T., New York, N. Y. Pneumatic press rolls for paper machines. 1,563,130; Nov. 24.
Whallon, Walter L., Zanesville, Ohio. Baggage carrier. 1,563,055; Nov. 24.
Wheeling Mold & Foundry Co. (See Rauschenberg, Emil C., assignor.)
Whisner, Allen H., Greensboro, N. C. Surgical brace. 1,562,935; Nov. 24.
Whitaker, Milton C., New York, N. Y., assignor to U. S. Industrial Alcohol Co. Apparatus for capping bottles. 1,562,479; Nov. 24.
White, William J., assignor of one-half to W. H. Gilbert, San Francisco, Calif. Pencil holder. 1,562,856; Nov. 24.
Whitmore, John C., Petersburg, Va. Slab shingle. 1,563,131; Nov. 24.
Whitney, F. A., Carriage Company. (See Ambler, George B., assignor.)
Whitney Mfg. Co., The. (See Belcher, Warran J., assignor.)
Whitney Mfg. Co., The. (See Müller, Friederich, assignor.)
Whittal, A. R., Can Company. (See Bisset, David L., assignor.)
Wietzel, Gustav and R., assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Synthesizing higher molecular organic compounds containing oxygen. 1,562,480; Nov. 24.
Wietzel, Rudolf. (See Wietzel, Gustav and R.)
Wilde, Eben F., assignor to The Baer & Wilde Company, Attleboro, Mass. Cuff button. 1,563,127; Nov. 24.
Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wilke, Christopher, assignor of forty-nine per cent to R. Taylor, Seattle, Wash. Window ventilator. 1,563,003; Nov. 24.
Williams, Clarence E., and J. B. Stout, Bridgeport, W. Va. Container. 1,563,056; Nov. 24.
Williams, Job J., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Handling truck. 1,563,057; Nov. 24.
Williams, Lewis M., Fort Wayne, Ind., assignor to The Utensils Company. Ironing machine. 1,563,303; Nov. 24.
Williams, Selden T., Woodbury, N. J., assignor to Victor Talking Machine Company. Record holder for talking machines. 1,563,300; Nov. 24.
Willson, Thomas C., Philadelphia, Pa. Photographic-printing apparatus. 1,562,816; Nov. 24.
Wilson, Thos. E., & Co. (See Turner, Archibald J., assignor.)
Wingard, Bror, Everett, Wash. Game. 1,562,534; Nov. 24.
Winters, Frederick V., New York, N. Y. Preserving jar. 1,562,857; Nov. 24.
Wireless Improvement Company. (See Fuller, L. F., and Sweet, assignors.)
Wise, Roger M. (See Camfield, R. W., and Wise.)
Wismer, George C., Santa Barbara, Calif. Piano glide. 1,562,817; Nov. 24.
Witham, Frank L., Petaluma, Calif. Valve-spring-compressing device. 1,563,128; Nov. 24.
Woernle, Harry E., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Making chain bolts. 1,562,482; Nov. 24.
Wolfes, Otto, and H. Maeder, Darmstadt, Germany. Purification of phosphoric acid containing arsenic. 1,562,818; Nov. 24.
Wollheim, Walter E., New York, N. Y. Burner. 1,563,058; Nov. 24.
Wolverine Metal Specialties Co. (See De Graaf, Martin, assignor.)
Wood, Frank W., Montclair, N. J. Ship's telegraph. 1,562,483; Nov. 24.
Woodison, E. J., Company. (See Burman, George A., assignor.)
Woods, George E. (See Morris, W. C., and Woods.)
Woollen, Harry. (See Quintin, John C., assignor.)
Wright, Earl C., assignor to L. E. Wright, Cleveland, Ohio. Portable bottle holder. 1,562,484; Nov. 24.
Wright, Louis E. (See Wright, Earl C., assignor.)
Wrigley, Charles, Philadelphia, Pa. Combustion accelerator and smoke consumer. 1,563,132; Nov. 24.
Yale & Towne Manufacturing Company, The. (See Augenbraun, Peter F., assignor.)
Young, L. A., Industries, Inc. (See Kuester, Herman, assignor.)
Young, L. A., Industries, Inc. (See Van Orman, Bert L., assignor.)
Zeitler, Raymond S., Chicago, Ill. Gearing. 1,562,671; Nov. 24.
Zimmerman, Harry C., Washington, D. C. Top carriage for guns. 1,562,535; Nov. 24.
Zlydasnyk, Teofil, Chicago, Ill. Automatic valve-closing device for gas pipes. 1,563,133; Nov. 24.
Zucker, Theodore F., assignor, by mesne assignments, to University Patents, Inc., of New York, New York, N. Y. Determining the physiological value of remedial and medical substances. 1,563,134; Nov. 24.
Zulver, Cornelis, London, England. Liquid-fuel burner or atomizer. 1,563,246; Nov. 24.

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 24TH DAY OF NOVEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acetylene generator. C. J. Clefton. 1,563,016; Nov. 24.
Acid containing arsenic, Purification of phosphoric. O. Wolfes and H. Maeder. 1,562,818; Nov. 24.
Acid, Production of silicic. N. L. Collins. 1,562,940; Nov. 24.
Actinic-ray charting device. D. B. Catlin. 1,563,074; Nov. 24.
Aeroplane. W. Hale. 1,563,278; Nov. 24.
Aeroplane engines, Surcharger for. C. De Rochefort-Luçay. 1,562,692; Nov. 24.
Air-brake mechanism. D. C. Hessian. 1,562,450; Nov. 24.
Air compressor and valve. D. C. Baker. 1,563,144; Nov. 24.
Airplane. C. W. Hall. 1,562,549; Nov. 24.
Airplane guns, Fire-control mechanism for. W. D. Clark. 1,563,165; Nov. 24.
Airplanes, Bomb or torpedo release control mechanism for. S. B. McMurrain. 1,562,572; Nov. 24.
Airship construction. C. P. Burgess. 1,562,434–5; Nov. 24.
Alarm: *See*—
Burglar alarm. Watch alarm.
Fire alarm.
Alarm mechanism. U. G. Replogle. 1,562,589; Nov. 24.
Alloy. C. A. Fontane. 1,563,079; Nov. 24.
Alloy. C. E. Hansen. 1,562,958; Nov. 24.
Alloy, and making same, Tin-zirchonium. H. S. Cooper. 1,562,540; Nov. 24.
Alloy, Producing calcium-copper. W. G. Harvey. 1,563,187; Nov. 24.
Alloys containing copper and iron, Treatment of. H. Pedersen. 1,562,472; Nov. 24.
Alloys, Producing. A. Pacz. 1,562,654; Nov. 24.
Analgesic agent and preparing the same. C. W. Hooper. 1,563,087; Nov. 24.
Anchor, Stockless. A. F. Eells. 1,562,746; Nov. 24.
Anchor strip for securing finishing structures to concrete. R. K. Olsen. 1,562,784; Nov. 24.
Annealing box. E. C. Rauschenberg. 1,563,225; Nov. 24.
Antifriction material and making the same. C. O. Payne. 1,562,846; Nov. 24.
Arc converter. L. F. Fuller and G. C. Sweet. 1,562,952; Nov. 24.
Armor-piercing shell. W. Dalton. 1,562,495; Nov. 24.
Arsenates, Making. H. P. Bassett. 1,562,490; Nov. 24.
Ash pan. O. Syvertsen. 1,562,926; Nov. 24.
Attachment plug, Swivel shell. S. McClatchie. 1,562,649; Nov. 24.
Automobile. S. S. Maran. 1,563,214; Nov. 24.
Automobile bumper. C. Offenhauser. Des. 68,869; Nov. 24.
Automobile control. W. J. Spiro. 1,562,801; Nov. 24.
Automobile lock, Combination. R. A. Stewman. 1,563,239; Nov. 24.
Automobile radiators, Cap for. M. De Graaf. 1,562,691; Nov. 24.
Automobile side curtain. A. H. Pape. 1,563,288; Nov. 24.
Automobile signal. J. A. Cunningham. 1,563,258; Nov. 24.
Automobile signal device. W. I. Stone. 1,562,803; Nov. 24.
Automobile signal switch. A. Alessi. 1,562,858; Nov. 24.
Automobile top. A. H. Pape. 1,563,287; Nov. 24.
Automobile turntable for garages, Portable. M. Schonberger. 1,562,853; Nov. 24.
Automobiles, Bumper for. H. S. Jandus and C. F. Brown. 1,562,453; Nov. 24.
Automobiles, Convertible body for. P. H. Gaskins. 1,563,023; Nov. 24.
Automobiles, Electrical drive for. A. Miller. 1,562,903; Nov. 24.
Automobiles, Insect-killing attachment for. S. J. Franklin and R. W. Tracy. 1,562,627; Nov. 24.
Automotive machines and material handling machines, Distant control for. K. Davis. 1,562,872; Nov. 24.
Badge. J. A. L. Herold. Des. 68,858; Nov. 24.
Bame. J. P. Sneddon. 1,562,476; Nov. 24.
Bag frame, Hand-. W. T. Goldsmith. Des. 68,853; Nov. 24.
Baggage carrier. W. L. Whallon. 1,563,055; Nov. 24.
Bait, Artificial. C. S. Crawford. 1,562,439; Nov. 24.
Balloon, Air. I. C. Fife. 1,562,625; Nov. 24.
Bar, Form of end-measuring. A. J. C. Brookes. 1,563,011; Nov. 24.
Baseball mitt. A. J. Turner. 1,562,603; Nov. 24.
Basket-ball goal. E. K. Van Gorden. 1,563,243; Nov. 24.
Bathing garment. F. L. Pettee and T. Bargman. 1,562,720; Nov. 24.
Batteries, Composition of matter for preventing corrosion and sulphation of storage. F. D. Bass. 1,562,489; Nov. 24.
Batteries, Making dry. C. P. Deibel. 1,562,945; Nov. 24.
Battery: *See*—
Storage battery.
Battery-cell filler. W. E. Kershaw and C. Hodge. 1,562,971; Nov. 24.
Bearing caps, Filling gauge for connecting-rod. C. Johnson. 1,562,772; Nov. 24.
Bearing for the spindles of flier spinning, doubling, twisting, and like machines. A. Steil. 1,562,924; Nov. 24.
Bearing, Scale. L. Jaenichen. 1,563,089; Nov. 24.
Bearing, Truck. S. Hansson. 1,562,503; Nov. 24.
Bearing, Vehicle spring. R. R. Searles. 1,562,594; Nov. 24.
Beating and mixing machine. W. J. Kevan. 1,562,704; Nov. 24.
Bed, Metal. A. Weisman. 1,563,002; Nov. 24.
Bedstead. H. F. Berbig. 1,562,861; Nov. 24.
Bedstead end frame. C. A. Stuart. Des. 68,881–2; Nov. 24.
Belt. L. W. Shields. 1,562,522; Nov. 24.
Belts, Making. A. L. Freedlander and W. G. Goodwin. 1,562,548; Nov. 24.
Binder knotter. E. A. Trumbo. 1,562,529. Nov. 24.
Binders, Post-locking mechanism for loose-leaf. H. D. Field. 1,563,179; Nov. 24.
Binders, Screw for loose-leaf. C. Franz, jr. 1,562,951; Nov. 24.
Blank holder. R. W. Glasner and O. G. Nilson. 1,562,953; Nov. 24.
Blanks, Mechanism for handling. C. Fassinger. 1,563,021; Nov. 24.
Board: *See*—
Ironing board. Pressing board.
Bobbin antirolling replenishing mechanism. W. H. Wakefield. 1,562,804; Nov. 24.
Boiler and other furnaces, Automatic thermoregulator for. T. L. Barker. 1,563,062; Nov. 24.
Book cover. E. W. Jackson. 1,562,504; Nov. 24.
Book cover and applying same. E. W. Jackson. 1,562,505; Nov. 24.
Book, Loose-leaf. R. C. Russell. 1,562,918–20; Nov. 24.
Bottle-cap sorting and feeding mechanism. A. W. Suiter. 1,562,599; Nov. 24.
Bottle caps, Brush holder for. G. B. Bush. 1,562,867; Nov. 24.
Bottle holder, Portable. E. C. Wright. 1,562,484; Nov. 24.
Bottles and stoppers, Device for grinding. W. H. Kanagan. 1,562,587; Nov. 24.
Bottles, Capping. M. C. Whitaker. 1,562,479; Nov. 24.
Boudoir cap. W. J. Turoff and E. A. Besancon. Des. 68,884; Nov. 24.
Box: *See*—
Annealing box. Switch box.
Display box.
Boxes and the like, Hinge for vanity. C. Kose. 1,562,565; Nov. 24.
Boxes, Machine for making set-up. H. J. Goss. 1,563,184; Nov. 24.
Brace: *See*—
Collar brace. Surgical brace.
Screen brace.
Bracelet clasp, Ribbon-. C. R. Tost. 1,563,302; Nov. 24.
Bracket: *See*—
Roof bracket. Shade bracket.
Braiding machine. L. J. G. Lefnaive and J. J. Knecht. 1,562,976; Nov. 24.
Braiding machines, Carrier for. A. C. Hopkins. 1,563,028–9; Nov. 24.
Brake: *See*—
Car brake. Hand brake.
Clasp brake. Vehicle brake.
Brake band. G. C. Pack. 1,562,845; Nov. 24.
Brake construction. A. Y. Dodge. 1,562,823; Nov. 24.
Brake-operating mechanism. G. D. Hugo. 1,562,880; Nov. 24.
Brake-shoe carrier plate and bracket mechanism therefor, Vehicle. A. Y. Dodge. 1,562,822; Nov. 24.
Brake shoes, Hinged lug for. L. J. Cole. 1,562,687; Nov. 24.





Brakes, Valve for automobile hydraulic. S. Bailie. 1,563,143; Nov. 24.
Brick, Apparatus for burning. T. S. Curtis. 1,562,441; Nov. 24.
Brick-cleaning machine. S. M. Funk. 1,563,081; Nov. 24.
Brooders, Thermostatic control of heating appliances for. J. B. Olson. 1,563,222; Nov. 24.
Brush, Fountain. C. H. House. 1,563,190; Nov. 24.
Brush pan. C. L. Corne. 1,563,254; Nov. 24.
Brush, Shaving and cosmetic. A. G. Jones. 1,563,031; Nov. 24.
Bucket for concrete pavers, Distributing. C. E. Foote. 1,562,751; Nov. 24.
Buckets, Folding stand for paste. W. Laffold. 1,562,974; Nov. 24.
Building construction. T. J. J. Albrecht. 1,562,728; Nov. 24.
Building stripe, Corner piece for. P. P. Welty. 1,563,245; Nov. 24.
Buildings, Moving. O. Alexander. 1,562,430; Nov. 24.
Bumper. C. Andreason. Des. 68,843; Nov. 24.
Bumper and luggage carrier, Combined. E. P. Farum. 1,562,694; Nov. 24.
Bundling loose leaves, Device for. F. Stremer. 1,562,925; Nov. 24.
Burglar alarm, Portable. G. J. Maud. 1,562,574; Nov. 24.
Burner: *See*—
Gas burner. Oil and gas burner.
Oil burner.
Burner. W. E. Wollheim. 1,563,058; Nov. 24.
Bushing-contracting device. A. D. Brochu. 1,562,615; Nov. 24.
Button, Separable cuff. E. F. Wilde. 1,563,127; Nov. 24.
Buttons, Keeper for cuff. H. A. Redfield. 1,562,724; Nov. 24.
Buttons, Ornamental covering for shoe. A. C. Noyes. 1,562,581; Nov. 24.
Caliper. Fraction-reading micrometer. R. G. Nilson. 1,562,653; Nov. 24.
Calipers. A. Nelson. 1,562,464; Nov. 24.
Cameras, Film-indicating shutter device for. H. Lepperhoff. 1,562,567; Nov. 24.
Camp chair, Folding. J. L. Cable. 1,563,073; Nov. 24.
Can. A. Davis, jr., and A. L. Betts. 1,562,496; Nov. 24.
Can-end drier. D. L. Bisset. 1,562,938; Nov. 24.
Can opener. W. H. Nordhaus. 1,562,579–80; Nov. 24.
Can tops, Device for removing frictionally-held. E. and H. Hildebrandt. 1,562,639; Nov. 24.
Candle protector. N. Groth. 1,562,637; Nov. 24.
Candy-making and peanut machine, Automatic. G. F. Pierce. 1,562,913; Nov. 24.
Cap. E. H. Mahler. 1,562,838; Nov. 24.
Car brake, Railway-. H. W. Sanford. 1,562,793–4; Nov. 24.
Car door, Grain-. G. W. Strong and G. Uhlin. 1,562,804; Nov. 24.
Car roof. C. D. Bonsall. 1,562,433; Nov. 4.
Car underframe. C. C. Kinsman. 1,563,091; Nov. 24.
Cars, Lubricating system for railway. E. L. Long. 1,562,899; Nov. 24.
Cars, Spring-cushioned drawbar and drawhead for railway. T. J. Johns. 1,562,889; Nov. 24.
Carbon and hydrocyanic acid, Producing. R. W. Poindexter. 1,562,914; Nov. 24.
Carbon, Manufacturing decolorizing. J. N. A. Sauer. 1,563,295; Nov. 24.
Carburetor. F. C. Mock. 1,562,651; Nov. 24.
Carburetor. R. H. Taylor. 1,562,806; Nov. 24.
Carburetor. G. R. Welch. 1,562,670; Nov. 24.
Card, Advertising. W. F. Barry. Des. 68,846; Nov. 24.
Card indexes, Guide card for. S. Anthony. 1,562,487; Nov. 24.
Card printer, Tabulating-. F. M. Carroll. 1,563,014; Nov. 24.
Cards, Holder for automobile registration. C. S. Applas. 1,563,139; Nov. 24.
Carpet stretcher and the like. W. S. Thomas. 1,562,665; Nov. 24.
Carrier: *See*—
Baggage carrier. Lumber carrier.
Change carrier.
Carton, Shipping and display. G. E. Bartol, jr., and L. A. Hawkes. 1,563,148; Nov. 24.
Cartridge-feed mechanism. H. Vollmer. 1,563,052; Nov. 24.
Case: *See*—
Toilet case.
Case hearer. W. H. Welsh. 1,563,126; Nov. 24.
Casing pulley. A. S. Jones. 1,562,644; Nov. 24.
Cash register. T. Carroll. 1,562,686; Nov. 24.
Cash register. E. E. Oberhauser. 1,562,717; Nov. 24.
Casters, Thread guard for. J. Bowen. 1,563,152; Nov. 24.
Casting apparatus, Centrifugal. B. L. Booth. 1,563,151; Nov. 24.
Cementitious plastics, Celluloid mold for. F. C. Ruppel. 1,562,519; Nov. 24.
Center iron. E. L. Jones and H. B. Davis, jr. 1,562,703; Nov. 24.
Chain and parts therefor. W. J. Belcher. 1,563,065; Nov. 24.
Chain and parts therefor. F. Müller. 1,562,843; Nov. 24.
Chain bolts, Making. H. E. Woernle. 1,562,482; Nov. 24.
Chain tightener. W. J. Hines. 1,562,640; Nov. 24.
Chains to lifting-gear hooks and the like, Device for attaching. H. Morris and J. A. Butterworth. 1,562,908; Nov. 24.
Chair: *See*—
Camp chair.
Change carrier. J. L. Levine. 1,563,034; Nov. 24.
Check protector. K. Ross. 1,562,591; Nov. 24.
Chemical apparatus, Feeding solids or semisolids to. G. A. Berry. 1,563,066; Nov. 24.
Chemicals from solids and semisolids, Apparatus for removing. A. F. Frame. 1,562,880; Nov. 24.
Christmas trees, Electric-light holder for. G. V. Stien. 1,563,048; Nov. 24.
Chuck. F. W. Trenn. 1,562,602; Nov. 24.
Cigarette container and ash tray, Combined. W. R. Derry. 1,562,497; Nov. 24.
Circuit closer. J. S. Gaines and M. E. Creighton. 1,562,695; Nov. 24.
Circuits for low-frequency impulses, Receiving. L. Espenchied. 1,562,500; Nov. 24.
Cistern. R. E. Dill. 1,562,693; Nov. 24.
Clasp: *See*—
Bracelet clasp.
Clamping device. R. A. Flum. 1,562,444; Nov. 24.
Clasp brake. M. C. Blest. 1,563,150; Nov. 24.
Cleaner: *See*—
Pipe cleaner. Windshield cleaner.
Closet tank. R. Heydrich y Martinez. 1,562,514. Nov. 24.
Cloth-surfacing device. E. Hiatt. 1,562,768; Nov. 24.
Clothes drier. G. Amsler. 1,563,137; Nov. 24.
Clutch mechanism. H. W. Hunt and F. E. Cardullo. 1,562,831; Nov. 24.
Clutch-operating mechanism. J. S. Losee. 1,563,035. Nov. 24.
Coal and the production of briquettes, Treatment of finely-divided. E. Edser and W. H. Beasley. 1,562,876; Nov. 24.
Coal breaker or crusher. J. H. Doerres. 1,563,173; Nov. 24.
Coat, Stormproof. D. Hess. 1,562,767; Nov. 24.
Coating particles with inert powder. L. A. Bunde. 1,562,821; Nov. 24.
Coffee mill, Casing for a. B. M. Ely. Des. 68,851; Nov. 24.
Coil mounting, Universal. R. E. Jones. 1,562,832; Nov. 24.
Coin-control apparatus. O. D. Jennings. 1,562,771; Nov. 24.
Coin-controlled machines, Chute construction for. A. W. Barnard. 1,563,146; Nov. 24.
Collapsible tube. W. C. Huntoon, jr. 1,563,192; Nov. 24.
Collar brace. S. N. Cutlip. 1,563,168; Nov. 24.
Collar, Reversible. C. S. Furman. 1,563,274; Nov. 24.
Combination lock. E. Tobler. Re16,215; Nov. 24.
Combustion accelerator and smoke consumer. C. Wrigley. 1,563,132; Nov. 24.
Compotier, Floral. T. C. Helsey. Des. 68,857; Nov. 24.
Concentrating unit. A. H. Stebbins. 1,563,238; Nov. 24.
Concrete building element. S. Lake. 1,562,706; Nov. 24.
Concrete building elements, Process of and apparatus for making. S. Lake. 1,562,707; Nov. 24.
Concrete construction, Means employed in reenforcing. R. A. Badt. 1,562,819; Nov. 24.
Concrete form. M. Mickelson. 1,562,780; Nov. 24.
Concrete mixing and distributing machine. S. R. McKay. 1,562,570; Nov. 24.
Concrete-pipe machine. H. A. Hall. 1,562,551; Nov. 24.
Concrete stake, Reenforced-. G. Grimaud. 1,563,024; Nov. 24.
Concrete walls and the like, Reenforcing. H. Hanna. 1,562,447; Nov. 24.
Condenser. C. F. Braun. 1,562,682; Nov. 24.
Condenser, Variable. H. Trees. 1,562,812; Nov. 24.
Confection mold. J. S. Valentine. 1,563,121; Nov. 24.
Contact-bank structure. W. Kaisling. 1,562,647; Nov. 24.
Container. C. E. Williams and J. B. Stout. 1,563,056; Nov. 24.
Conveying system. H. W. Nagel. 1,562,987; Nov. 24.
Coop, Chicken. C. L. Plunkett. 1,563,107; Nov. 24.
Cord machine. H. P. Ruf. 1,552,852; Nov. 24.
Core. W. C. Stevens. 1,562,662; Nov. 24.
Core-making machine. G. A. Burman. 1,563,156; Nov. 24.
Corn husker. L. Jarvis. 1,563,281; Nov. 24.
Cotton chopper. J. F. Arnold. 1,562,731; Nov. 24.
Cottonseed and other fiber-bearing material, Defibrating. E. C. de Segundo. 1,563,263; Nov. 24.
Counter. J. L. Davidson. 1,562,944; Nov. 24.
Coupling: *See*—
Shaft coupling.
Crate, Bottle. R. G. Treen. 1,562,477; Nov. 24.
Cream dispenser. R. R. and C. H. Goss. 1,562,633; Nov. 24.
Crushing-roll apparatus and process. H. K. Burch. 1,562,617; Nov. 24.
Cuff, Soft. A. A. Fournier. 1,563,180; Nov. 24.
Cultivator shield attachment, Lister-. A. Rasmussen. 1,563,291; Nov. 24.
Cultivators, Attachment for. A. McAngus. 1,563,208; Nov. 24.

Cupping apparatus. P. Mahieu. 1,562,900; Nov. 24.
Curler, Bobbed-hair. A. V. Comings. 1,562,869; Nov. 24.
Current motors from direct-current sources, System for operating alternating-. J. Harris. 1,562,084; Nov. 24.
Current system, Oscillating-. C. V. Logwood. 1,562,569; Nov. 24.
Curtain holder. N. Klang. 1,562,456; Nov. 24.
Curtain stretcher. F. W. Sehmer. 1,562,595; Nov. 24.
Cutter: *See*—
Stalk cutter.
Cylinder. W. S. Harley. 1,562,555; Nov. 24.
Damper for fireplaces. L. W. Schaller. 1,562,727; Nov. 24.
Damper mechanism or draft regulator. W. J. Pfeifer. 1,562,584; Nov. 24.
Deflector. W. G. Milligan. 1,562,714; Nov. 24.
Dehydrating emulsions by externally-charged particles, Process of and apparatus for. W. Meredith. 1,562,712; Nov. 24.
Dental apparatus, Unitary. O. H. and A. F. Pieper. Re16,216; Nov. 24.
Dental cement. P. W. Kruger. 1,562,834; Nov. 24.
Diaphragm compressor. H. Corbiln. 1,563,166; Nov. 24.
Die: *See*—
Thread-cutting die.
Dies. J. R. Wald. 1,563,124; Nov. 24.
Digestion and filtration apparatus. L. C. Daniels. 1,562,870; Nov. 24.
Dish-holder rack. G. S. Blakeslee. 1,562,614; Nov. 24.
Disk wheel. E. L. Acker. 1,563,059; Nov. 24.
Display box. D. Levigton. 1,562,977; Nov. 24.
Display rack, Window. R. R. Ransom. 1,562,851; Nov. 24.
Display stand for merchandise. C. P. Johnson; 1,562,507; Nov. 24.
Distillation. D. Fyzel. 1,562,723; Nov. 24.
Door, Garage. W. L. Taylor. 1,562,600; Nov. 24.
Door lock, Automobile. P. F. Augenbraun. 1,563,060; Nov. 24.
Door operating and locking mechanism. E. E. Toon. 1,563,241; Nov. 24.
Door-releasing means, Electromechanical. E. Ledbetter. 1,563,198; Nov. 24.
Doors, Clamping device for combination storm and screen. H. L. Brandau. 1,563,070; Nov. 24.
Doorstop. P. J. Bradish. Des. 68,848; Nov. 24.
Draft equalizer and diffuser. H. C. Maul. 1,562,840; Nov. 24.
Draw sheet. W. B. Thompson. 1,562,809; Nov. 24.
Drier: *See*—
Can-end drier. Clothes drier.
Drill: *See*—
Mining drill.
Drilling apparatus, Rotary. C. W. Herrin. 1,562,449; Nov. 24.
Drilling machine, High-speed rotary. F. H. Davis. 1,562,873; Nov. 24.
Drying. G. D. Harris. 1,562,764; Nov. 24.
Drying apparatus. G. D. Harris. 1,562,759; Nov. 24.
Drying apparatus. G. D. Harris. 1,562,762–3; Nov. 24.
Drying device. J. S. Roney. 1,563,042; Nov. 24.
Drying semi-liquid materials. G. D. Harris. 1,562,761; Nov. 24.
Drying tumbler. F. M. Watkins. 1,562,531; Nov. 24.
Dustpan. C. W. Koertner. 1,562,892; Nov. 24.
Dyestuffs, Manufacture of vat. H. Nereshelmer. 1,562,468; Nov. 24.
Educational device. A. L. Runyan. 1,562,518; Nov. 24.
Eggs, Composition for preserving. C. C. Shafer. 1,562,854; Nov. 24.
Electric-arc device. C. A. B. Halvorson, jr. 1,563,083; Nov. 24.
Electric-arc device. E. L. Harrington. 1,562,959; Nov. 24.
Electric butt-weld joints, Railgrinder for. W. Hobson. 1,562,558; Nov. 24.
Electric circuits, Automatic switch for. J. A. Brenneman. 1,563,072; Nov. 24.
Electric conduit, Flexible nonmetallic. H. M. Short. 1,563,234; Nov. 24.
Electric furnace. G. Evreynoff. 1,562,825; Nov. 24.
Electric fuse, Renewable. F. N. Conant. 1,562,494; Nov. 24.
Electric heater or vaporizer. L. E. Aske. 1,562,673; Nov. 24.
Electric iron. N. I. Mekeel. 1,562,575; Nov. 24.
Electric machine, Dynamo-. O. Böhm. 1,563,009; Nov. 24.
Electric power transmitter. P. A. Herr. 1,562,699; Nov. 24.
Electric power transmitter. I. F. Webb. 1,562,668; Nov. 24.
Electric switch. H. Catlin. 1,563,160; Nov. 24.
Electric switch. G. H. Hart. 1,562,698; Nov. 24.
Electric switch, High-tension. G. A. Burnham. 1,562,738; Nov. 24.
Electric switching apparatus. G. A. Burnham. 1,562,739; Nov. 24.
Electrical apparatus, Regulator for inclosed. E. Thomson. 1,563,051; Nov. 24.
Electrical attachment plug. H. R. Pennington. 1,563,105; Nov. 24.
Electrical-fixture-supporting device. R. B. Benjamin. 1,562,611–12; Nov. 24.
Electrical machines, Rotor for. W. Regelein and R. Sameith. 1,563,110; Nov. 24.
Electrical measuring apparatus, Thermocouple bulb for. J. L. Weatherwax. 1,563,053; Nov. 24.
Electrolyte for galvanic elements. R. Pörscke. 1,562,517; Nov. 24.
Electromagnetic device. A. J. Eaves. 1,562,947; Nov. 24.
Electroplating apparatus. F. G. Purinton. 1,563,041; Nov. 24.
Elevators, Automatic loading device for. G. D. Parker. 1,562,582; Nov. 24.
Elevators, Device for removing dust from grain. R. L. Dowdall. 1,562,940; Nov. 24.
Ellipsograph. D. K. and H. H. Ernst. 1,562,749; Nov. 24.
Emblematic pin. N. L. Bourgeault. Des. 68,847; Nov. 24.
Engine: *See*—
Internal-combustionengine. Rotary engine.
Engine. J. G. Plemmons. 1,562,722; Nov. 24.
Engine cylinders, Reboring and grinding machine for. L. E. Jordan and C. H. Burrows. 1,562,969; Nov. 24.
Engine timer. W. M. Davidson. 1,562,742; Nov. 24.
Engines and the like, Vacuum fuel-feeding device for internal-combustion. C. S. Burton. Re16,217; Nov. 24.
Engines, Distribution and control arrangement for two-stroke. L. Bongiovanni. 1,562,735; Nov. 24.
Engines, Drive for starting internal-combustion. O. Brisbois. 1,562,683; Nov. 24.
Engines for underfeed stokers and the like, Controlling and operating means for. D. F. Grahame. 1,562,634; Nov. 24.
Etching machines, Paddle-shaft mounting for. A. Holmström. 1,562,642; Nov. 24.
Evaporating liquids indirectly, Apparatus for. K. L. E. Thunholm. 1,562,525; Nov. 24.
Evaporator. H. D. Miles. 1,562,713; Nov. 24.
Excavating and dumping apparatus. J. H. Coyne. 1,562,741; Nov. 24.
Explosive charges, Connecter for firing. N. C. Cotabish. 1,563,253; Nov. 24.
Explosives, Detonator for liquid-oxygen. C. Mott. 1,563,219; Nov. 24.
Fabricated structural member. G. H. Danforth. 1,563,077; Nov. 24.
Fabricated structural member. J. E. Tonnelier. 1,563,118–19; Nov. 24.
Fabricated structural member. J. E. Tonnelier and G. C. Feucht. 1,563,117; Nov. 24.
Facing apparatus. A. Sattel. 1,563,294; Nov. 24.
Fastener. I. C. Fife. 1,563,270; Nov. 24.
Fastening-inserting machine. E. R. Pope. 1,562,516; Nov. 24.
Faucet. J. MacKay. Des. 68,867. Nov. 24.
Feed-grinding machine. A. E. Jacobson. 1,562,562; Nov. 24.
Felly and spoke connection. R. Huff. 1,562,452; Nov. 24.
Filling up, puddling, warping, concreting, cementing, etc., by means of flushing with water under pressure. G. J. M. Leicknam. 1,563,200; Nov. 24.
Filter. H. Bruso and R. Krum. 1,563,247; Nov. 24.
Filter and trap. J. S. Crisler. 1,563,259; Nov. 24.
Finger ring. E. J. Gross. Des. 68,855; Nov. 24.
Fire alarm. F. P. Hartley. 1,563,279; Nov. 24.
Fire arch. C. L. C. Magee. 1,563,213; Nov. 24.
Firearm. J. Netsch. 1,563,285; Nov. 24.
Fire-extinguishing apparatus. O. R. Erwin. 1,562,949; Nov. 24.
Flexible couplings, Disk for. C. A. Schell. 1,563,231; Nov. 24.
Flexible disk for couplings. C. A. Schell. 1,563,230; Nov. 24.
Floor covering. S. J. Siegel. 1,562,922; Nov. 24.
Floor-scrubbing device. A. J. Grabill. 1,563,275; Nov. 24.
Floor ventilator. H. L. Brown. 1,562,865; Nov. 24.
Flow regulator, Automatic. H. G. Johnson. 1,562,506; Nov. 24.
Flower holder. M. Schling. 1,562,992; Nov. 24.
Flying machine. W. J. H. Strong. 1,562,663; Nov. 24.
Foot grip for invalids. S. S. Jenkins. 1,562,454; Nov. 24.
Footwear, Method of and apparatus for pressing. F. J. MacDonald. 1,563,096; Nov. 24.
Fork: *See*—
Harp fork.
Fuel burner or atomizer, Liquid-. C. Zulver. 1,563,246; Nov. 24.
Fuel-mixing device. S. B. Holmes. 1,562,559; Nov. 24.
Fuel-saving device. A. H. Sturges. Re16,214; Nov. 24.
Fuels, Briquetting. R. Kattner. 1,562,654; Nov. 24.
Fulgurator. W. D. McFee. 1,562,460; Nov. 24.
Fuller's earth, Revivifying. F. W. Hall. 1,562,550; Nov. 24.
Fumigating apparatus. F. J. Metzger and J. D. Neuls. 1,562,902; Nov. 24.
Funnel, Collapsible. W. L. Allee. 1,563,005; Nov. 24.
Furnace: *See*—
Electric furnace.
Furnace arch. C. W. Burroughs. 1,563,248; Nov. 24.
Furnace walls, Maintaining open-hearth-. S. Naismith. 1,563,038; Nov. 24.
Furnaces, Door-operated valve-controlled stack damper for fuel-burning. J. J. A. Miller. 1,562,905; Nov. 24.
Furnaces, Synthesising gases in electric. M. J. Brown. 1,562,684; Nov. 24.





Fuse. T. E. Murray. 1,562,985; Nov. 4.
Fuse, Incased. T. E. Murray. 1,562,984; Nov. 24.
Game. B. Wingard. 1,562,534; Nov. 24.
Game apparatus. N. W. Burgess. 1,562,866; Nov. 24.
Game board or table. J. F. Smith. 1,562,800; Nov. 24.
Game, Educational. T. F. McGowan. 1,562,778; Nov. 24.
Garment press. F. W. Lindemann. 1,562,887; Nov. 24.
Garment supporter. J. U. Jimenez. 1,563,195; Nov. 24.
Gas burner. C. L. Heisler. 1,562,962; Nov. 24.
Gas burner. A. F. Thompson. 1,563,049–50; Nov. 24.
Gas heater. B. F. Rodgers. 1,562,590; Nov. 24.
Gases from liquids, Apparatus for the removal of. H. Pothergill. 1,562,827; Nov. 24.
Gases, Liquefaction of. C. E. Recordon and J. W. Hille. 1,562,915; Nov. 24.
Gate: *See*—
Railway-crossing gate.
Gate. R. L. Durham. 1,563,266; Nov. 24.
Gate. M. Riddle. 1,562,789; Nov. 24.
Gauge: *See*—
Micrometer height gauge.
Gauze packer, Strip-. K. C. Park. 1,562,856; Nov. 24.
Gear, Doctor-operating. M. Owen. 1,562,470; Nov. 24.
Gears, Truing. A. W. Copland. 1,562,438; Nov. 24.
Gearing. R. S. Zeitler. 1,562,671; Nov. 24.
Generator: *See*—,
Acetylene generator.
Glareshield. G. D. Morrissey. 1,562,909; Nov. 24.
Glass, Apparatus for feeding molten. L. D. Soubier. 1,563,298; Nov. 24.
Glove stretcher, powderer, and heater. R. Goltman. 1,562,631; Nov. 24.
Golf ball and making same. A. E. Penfold. 1,562,912; Nov. 24.
Golf-club head. A. A. Guerne. 1,562,956; Nov. 24.
Golf-tee reel. J. L. Dillow. 1,562,744; Nov. 24.
Governor. T. E. and J. E. Clark. 1,563,075; Nov. 24.
Grain weigher, Automatic. J. B. Van Deren. 1,562,667; Nov. 24.
Gravity conveyers, Retarder for. W. J. Bohn. 1,562,680; Nov. 24.
Grinding machine, Cylindrical. C. H. Norton. 1,563,310; Nov. 24.
Grinding mills, Discharge for. J. P. Ruth, jr. 1,562,792; Nov. 24.
Grinding mills, Discharge head for. J. P. Ruth, jr. 1,562,791; Nov. 24.
Grinding paste. P. Holmstrom. 1,562,701; Nov. 24.
Grip strup. C. P. Schlegel. 1,562,521; Nov. 24.
Guaranty. Article. F. H. Hagner. 1,562,882; Nov. 24.
Guide and folder. A. R. Dodge. 1,562,622; Nov. 24.
Gun, Sporting. R. von Frommer. 1,562,501; Nov. 24.
Gun with two barrels, Shell-firing. H. Schuler. 1,562,796; Nov. 24.
Guns, Top carriage for. H. C. Zimmerman. 1,562,535; Nov. 24.
Guy-line fastener. R. Linquist. 1,562,568; Nov. 24.
Hammer, Automatic. J. A. Farley. 1,562,547; Nov. 24.
Hand brake. S. W. Johnson and A. Ross. 1,562,967; Nov. 24.
Handle: *See*—
Lifting handle.
Hanger: *See*—
Saw hanger.
Harp fork. M. Aslanian. 1,563,141; Nov. 24.
Harrow and grass seeder, Combined. S. P. Curtis. 1,563,261; Nov. 24.
Hat carrier and overnight bag, Combination. H. S. Forst. 1,563,080; Nov. 24.
Headlight, Automobile. H. F. Dubben and F. B. Easton. 1,562,875; Nov. 24.
Headlights, Antiglare attachment for. R. A. Osburn. 1,563,102; Nov. 24.
Headlights, Dimmer for. J. R. Naylor. 1,562,715; Nov. 24.
Headlights, Mechanical glare darkener for automobile. T. J. Shonley. 1,563,297; Nov. 24.
Heater: *See*—
Case heater. Water heater.
Gas heater.
Heating device. C. A. Kidd. 1,563,032; Nov. 24.
Heating device, Grain-. G. A. Rockburg. 1,562,790; Nov. 24.
Heating system, Hot-air. D. A. Brunett. 1,562,737; Nov. 24.
Hedge trimmer. C. Hines. 1,562,884; Nov. 24.
Heel blanks, Assembling composite. D. Parks. 1,563,103; Nov. 24.
Heel for boots and shoes. J. E. Grosjean. 1,563,276; Nov. 24.
Heel, Rubber. J. H. Miller. 1,563,098; Nov. 24.
Heel, Spring. J. Musto. 1,562,986; Nov. 24.
Hinge. W. L. Kaufmann. 1,562,774; Nov. 24.
Hinge, Gravity door. O. and C. S. Brager, T. O. Thovson, and E. Bray. 1,563,154; Nov. 24.
Hoisting device, Builder's. F. Moser. 1,562,781; Nov. 24.
Horseshoe. M. J. Griffin. 1,562,635; Nov. 24.
Hose, Flexible. H. W. Goodall. 1,562,954; Nov. 24.
Hydraulic press, Rotary-. A. J. Matter. 1,562,573; Nov. 24.
Hydrous magnesium silicates, Treating, decolorizing, and clarifying. M. L. Chappell. 1,562,868; Nov. 24.
Ice-cream-sandwich machine. A. C. Leich and J. S. Berner. 1,562,894; Nov. 24.
Ice-manufacturing apparatus. A. C. Davis. 1,562,871; Nov. 24.
Ignition-circuit switch. R. H. Parker. 1,563,289; Nov. 24.
Ignition-controlling apparatus. A. Howard. 1,562,451; Nov. 24.
Ignition magneto. F. W. Andrew. 1,563,138; Nov. 24.
Images, Method and apparatus for producing half-tone dot. J. M. Hammond. 1,562,757; Nov. 24.
Incubator. I. M. Peterstme. 1,562,787; Nov. 24.
Index or file. C. S. Campbell and W. H. Day. 1,563,158; Nov. 24.
Indicating devices, Increasing the turning moment in. O. Richter. 1,562,917; Nov. 24.
Indicator: *See*—
Movement and position indicator.
Injector. S. L. Kneass. 1,563,196; Nov. 24.
Ink. C. L. Cunningham. 1,562,544; Nov. 24.
Ink agitator. E. F. Marceau. 1,562,462; Nov. 24.
Insect destroyer. W. H. Pool. 1,562,586; Nov. 24.
Insulating goods and producing same. L. Lilienfeld. 1,563,205; Nov. 24.
Insulating plaster board. G. H. Ellis. 1,562,499; Nov. 24.
Insulators, Pin for. W. D. Kyle. 1,562,886; Nov. 24.
Internal-combustion engine. D. Cole. 1,562,539; Nov. 24.
Internal-combustion engine. T. J. Maloney. 1,562,461; Nov. 24.
Iron: *See*—
Center iron. Electric iron.
Iron plug, Electric-. F. H. Hanley. 1,562,552; Nov. 24.
Ironing board, Folding wall-mounted. E. V. Sanders. 1,563,044; Nov. 24.
Ironing machine. A. W. Altorfer. 1,563,135; Nov. 24.
Ironing machine. L. M. Williams. 1,563,303; Nov. 24.
Jack: *See*—
Pump jack.
Jack. I. A. Weaver. 1,563,001; Nov. 24.
Jar: *See*—
Preserving jar.
Jigger. W. J. Lynch. 1,563,207; Nov. 24.
Joint: *See*—
Rail joint. Sealed joint.
Kettle stand. C. F. Hanson. 1,562,758; Nov. 24.
Knitting machines, Yarn-furnishing mechanism for. K. Howrie. 1,562,829; Nov. 24.
Knitting needle. R. W. Scott. 1,563,233; Nov. 24.
Label-applying machine. G. H. Bartlett. 1,563,147; Nov. 24.
Lamp and lamp support, Adjustable connected electric. A. B. Stewart. 1,562,994; Nov. 24.
Lamp for performing signals or flash light, Electric incandescent. K. G. Lissel. 1,562,897; Nov. 24.
Lamp, Portable electric. L. W. Andersen. 1,562,608; Nov. 24.
Lamp shade. F. Thiel. 1,562,807; Nov. 24.
Lamp standard. E. Terry. Des. 68,883; Nov. 24.
Lamp tester. G. H. Riebeth. 1,563,227; Nov. 24.
Latch, Pocket. H. Chernoff. 1,563,251; Nov. 24.
Launching apparatus. F. F. Pease. 1,562,583; Nov. 24.
Laundry appliance. M. C. Christy. 1,563,015; Nov. 24.
Lawn mower. H. W. McNutt. 1,562,709; Nov. 24.
Leading-out guide; Adjustable. G. Baehr. 1,562,488; Nov. 24.
Lens apparatus. N. T. K. Mollberg. 1,562,463; Nov. 24.
Lens, Automobile. O. C. Ritz Woller. Des. 68,872; Nov. 24.
Lifting handle. J. Wajer and O. W. Hopp. 1,563,000; Nov. 24.
Light projector. R. C. Gowdy. 1,562,502; Nov. 24.
Lighting fixture. T. J. Nelson. 1,562,466–7; Nov. 24.
Lighting-fixture bracket. H. Bohl. Des. 68,846; Nov. 24.
Liquid levels, Automatic controller for. H. P. Milker. 1,563,097; Nov. 24.
Liquids and the like, Apparatus for aerating. P. A. Garrett. 1,562,628; Nov. 24.
Lithograph-drying system. J. A. Ny. 1,562,716; Nov. 24.
Loader. F. O. Stallman. 1,563,237; Nov. 24.
Loaders, Attachment for. P. H. Johnson. 1,562,563; Nov. 24.
Lock: *See*—
Automobile lock. Mold lock.
Door lock.
Locking device for use with bolts, nuts, and the like, Safety. M. V. Morgan. 1,562,907; Nov. 24.
Locomotive power reverse gear. R. C. Burns. 1,562,939; Nov. 24.
Locomotives with four driving axles, Running gear for. L. Baudet. 1,562,734; Nov. 24.
Loom. G. B. Ambler. 1,563,304; Nov. 24.
Loom needle motion, Check for. W. W. Robertson. 1,562,659; Nov. 24.
Looms, Picker motion for. G. B. Ambler. 1,563,305; Nov. 24.
Loop doubler. W. L. Lengel. 1,562,895; Nov. 24.
Loose-leaf book. C. L. and W. S. Engel. 1,562,748; Nov. 24.
Loud speaker. W. D. La Rue. Des. 68,863. Nov. 24.
Lubricant or grease cup filler, Portable. R. W. Reed. 1,563,226; Nov. 24.
Lubricating mechanism. M. R. Tedrick. 1,562,664; Nov. 24.
Lumber carrier. J. A. Thompson, jr. 1,562,808; Nov. 24.

Lunch box and table, Combination. A. S. Tinkess. 1,562,855; Nov. 24.
Mail-box signal. C. E. Berg. 1,562,536; Nov. 24.
Manipulator. L. Johnson. 1,562,773; Nov. 24.
Mattress-airing device. A. G. Leake. 1,562,975; Nov. 24.
Measurement and/or standardization, Method of and apparatus for. J. E. Sears, jr., and A. J. C. Brookes. 1,563,046; Nov. 24.
Measuring device. J. G. Sisson. 1,562,923; Nov. 24.
Measuring rule. H. S. Walter and C. Bodner. 1,562,933; Nov. 24.
Measuring scoop. A. W. Bersch. 1,562,432; Nov. 24.
Mechanical movement. A. J. Skalka. 1,562,798; Nov. 24.
Medicinal preparation. J. K. Lilly. 1,562,459; Nov. 24.
Metal bars, Process and machine for working. H. J. and W. R. Ward. 1,562,530; Nov. 24.
Metals and alloys, Process and composition of matter for deoxidizing. A. Pacz. 1,562,655; Nov. 24.
Metals, Device for recovering previous. C. C. McBride. 1,562,777; Nov. 24.
Metals with calcium-copper alloys, Treating molten. W. G. Harvey. 1,563,188; Nov. 24.
Metallic article and making same, Coated. C. P. Madsen. 1,562,711; Nov. 24.
Metallic objects and resulting products, Treating. C. P. Madsen. 1,562,710; Nov. 24.
Micrometer height gauge. G. J. Hardgrove. 1,562,534; Nov. 24.
Milk-can opener and sealer, Combined. A. Fonaas. 1,563,272; Nov. 24.
Milk drink and preparing same, Preserved flavored. S. J. Davis. 1,563,020; Nov. 24.
Milking machine. H. D. Jamieson. 1,562,770; Nov. 24.
Mills, Cast roller for. O. Moog. 1,563,216; Nov. 24.
Mining drill. F. Brososky. 1,562,864; Nov. 24.
Mirror. G. F. and W. H. Colbert. 1,563,018; Nov. 24.
Mixing machine. C. Offenhauser. 1,563,101; Nov. 24.
Mold: *See*—
Confection mold. Monument mold.
Mold. C. H. Nelson. 1,562,485; Nov. 24.
Mold construction, Permanent-. H. S. Lee, A. E. Chaffee, and F. Millard. 1,562,509; Nov. 24.
Mold-forming device. G. A. Hausherr. 1,563,189; Nov. 24.
Mold lock. F. J. Liomin. 1,562,708; Nov. 24.
Monument mold, Concrete-. B. D. Rawls. 1,563,292; Nov. 24
Morphine solution. C. W. Hooper. 1,563,086; Nov. 24.
Moths, Protecting wool, furs, and other materials against attack by. W. Lommel and H. Münzel. 1,562,510; Nov. 24.
Motor: *See*—
Rotary motor. Water motor.
Motor-control system. B. W. Jones. 1,562,968; Nov. 24.
Motor, pump, and the like, Hydraulic. G. C. Jessup. 1,563,282; Nov. 24.
Motors in high-frequency machines, Arrangement for controlling the driving. Graf G. von Arco. 1,563,140; Nov. 24
Motors, Operating electric. E. F. W. Alexanderson. 1,563,004; Nov. 24.
Motors, Regulation of polyphase commutating. J. Perret. 1,562,786; Nov. 24.
Movement and position indicator. H. A. Affel. 1,562,485; Nov. 24.
Mowers and binders, Pitman box for use on. H. W. Shull. 1,562,797; Nov. 24.
Nail, Batten. L. F. Bonaly. 1,562,681; Nov. 24.
Napkin and towel dispenser. W. P. McCorkindale. 1,562,513; Nov. 24.
Napkin holder. A. D. Rice. Des. 68,871; Nov. 24.
Napkins and the like, Dispenser for. G. G. Erdos. 1,563,078; Nov. 24.
Needle threader. W. Parsons. 1,563,223; Nov. 24.
Needle threader. W. H. Rice. 1,562,474; Nov. 24.
Nonprinting mechanism, Automatic. F. W. Bernau. 1,562,491; Nov. 24.
Nozzle connection. C. J. Muend. 1,562,982; Nov. 24.
Nozzle, Spray. W. L. Hamilton. 1,562,957; Nov. 24.
Oil and gas burner. F. T. Schlotzhauer. 1,563,232; Nov. 24.
Oil burner. W. H. McKenzie. 1,562,571; Nov. 24.
Oil burner. E. L. Nock. 1,562,910; Nov. 24.
Oil burner. R. C. Wade. 1,563,123; Nov. 24.
Oil burner, Rotary. H. L. Delaney. 1,562,874; Nov. 24.
Oil burners, Electrical ignition means for. I. E. Smith. 1,562,799; Nov. 24.
Oil-dispensing casing. H. G. Davis. Des. 68,849; Nov. 24.
Oil from shale, Recovering. C. S. Fogh. 1,563,271; Nov. 24.
Oil, Method and apparatus for storing. W. C. Morris and G. E. Woods. 1,563,099; Nov. 24.
Oil-shale retort. S. H. Corfield. 1,562,541; Nov. 24.
Oiler for transmission bands. W. A. Rarig. 1,562,788; Nov. 24.
Ophthalmologic instrument. H. L. De Zeng. 1,563,172; Nov. 24.
Ore, rock, etc., Grinding system for. H. K. Burch. 1,562,618; Nov. 24.
Ores, Treating manganese-silver. M. F. Coolbaugh and J. B. Read. 1,562,942; Nov. 24.
Oven, Folding camp-stove. R. E. Ellis. 1,562,747; Nov. 24.
Packing construction. D. A. Leigh. 1,562,566; Nov. 24.
Padlock. I. A. McCormack. Des. 68,868; Nov. 24.
Padlock. S. R. Fraim. 1,563,181; Nov. 24.
Paint shield. R. Elliott. 1,562,948; Nov. 24.
Pan: *See*—
Ash pan. Brush pan.
Pantograph. M. M. Anderson. 1,562,859; Nov. 24.
Paper container. G. H. Bartlett. 1,563,063; Nov. 24.
Paper machines, Pneumatic press roll for. M. T. Weston. 1,563,130; Nov. 24.
Paper-making machine. A. J. Lewthwaite. 1,563,096; Nov. 24.
Paperweight, Magnifying. P. H. Meyer. 1,563,215; Nov. 24.
Partition in jail construction and speaking panel therefor. M. J. Tracy. 1,562,811; Nov. 24.
Pedal cover. F. H. Stanwood. 1,562,993; Nov. 24.
Pedal cushions, Mold for. J. F. O. Burman. 1,562,685; Nov. 24.
Pencil, Abrading. E. R. Conners. 1,562,941; Nov. 24.
Pencil holder. W. J. White. 1,562,856; Nov. 24.
Pencil, Mechanically-operated. A. E. Moore. 1,563,217; Nov. 24.
Pencils, Attachment for. C. M. Haddox. 1,563,277; Nov. 24.
Phonograph reproducer. H. Segal. Des. 68,877–8; Nov. 24.
Photographic plates and films, Daylight developing of. G. D. Rodriguez. 1,563,228; Nov. 24.
Photographic-printing apparatus. T. C. Willson. 1,562,816; Nov. 24.
Photographic reproductions, reproductions by reflected light, and the like, Producing sheets for. W. Schäffer. 1,563,045; Nov. 24.
Piano glide. G. C. Wismer. 1,562,817; Nov. 24.
Picture machine, Moving-. V. A. Gianetto. 1,562,755; Nov. 24.
Picture-projecting machine. T. W. Goodwin. 1,563,183; Nov. 24.
Pictures, Coloring motion. A. Hernandez-Mejia. 1,562,828; Nov. 24.
Piezo-electric device and producing the same. A. M. Nicolson. 1,562,578; Nov. 24.
Pipe cleaner, Tobacco. J. H. Sewell. 1,562,921; Nov. 24.
Pipe-end trimmer. J. M. Cromley. 1,563,260; Nov. 24.
Pipe holder. J. H. McIntire. 1,563,210; Nov. 24.
Pipe joint and making same. F. Ferguson. 1,563,269; Nov. 24.
Pipe railings, Coupling for. L. G. Haller. 1,563,186; Nov. 24.
Pipes, Automatic valve-closing device for gas. T. Zlydaszyk. 1,563,133; Nov. 24.
Piston. A. M. Davis. 1,563,262; Nov. 24.
Piston. F. Jardine. 1,563,194; Nov. 24.
Piston. H. J. Hater. 1,563,025; Nov. 24.
Piston, Constant-clearance. C. S. Cummings. 1,563,167; Nov. 24.
Piston ring. B. H. Blake. 1,562,613; Nov. 24.
Pitcher. D. Fisher. Des. 68,852; Nov. 24.
Planimeter, Automatic. O. G. Herm. 1,562,963; Nov. 24.
Planter. E. B. Smith. 1,563,235; Nov. 24.
Plastic bodies, Molding. F. C. Ruppel. 1,562,520; Nov. 24.
Plastic mass and making same. L. Lilienfeld. 1,563,204; Nov. 24.
Plow. C. F. Carlson. 1,563,252; Nov. 24.
Plow, Coal. D. B. Brackett and C. F. Bloch. 1,563,153; Nov. 24.
Plows, Power lift for. E. A. Hutchinson. 1,562,966; Nov. 24.
Plug and wrench, Grease. G. M. Bradrick. 1,563,069; Nov. 24.
Pocket, Garment. F. Ippoliti. 1,563,088; Nov. 24.
Potassium and sodium hydroxides, Separating. T. Sutter. 1,562,805; Nov. 24.
Potassium carbonate, Production of. H. Klopstock and W. Neumann. 1,562,891; Nov. 24.
Potato-handling device. A. Trovaton. 1,562,929; Nov. 24.
Powdered material, Mechanism for feeding. C. Longenecker. 1,563,206; Nov. 24.
Power press. J. Nelson. 1,562,986; Nov. 24.
Power wheel. C. A. Edwards and C. F. Messer. 1,563,175; Nov. 24.
Preserve jar. O. Rosenstein. Des. 68,873–4; Nov. 24.
Preserving jar. F. V. Winters. 1,562,857; Nov. 24.
Press: *See*—
Garment press. Power press.
Hydraulic press. Printing press.
Pressing board. J. Ludwig, sr. 1,562,511; Nov. 24.
Pressure packing. G. Christenson. 1,563,161; Nov. 24.
Printing and addressing machine, Letter. E. F. Greer. 1,562,697; Nov. 24.
Printing-block gauge table. D. F. Fraser. 1,562,752; Nov. 24.
Printing machines, Delivery mechanism for. F. Waite. 1,562,999; Nov. 24.
Printing press, Bed-and-cylinder. F. T. Leilich. 1,562,775–6; Nov. 24.
Printing presses, Pile delivery for. J. C. Welage. 1,563,054; Nov. 24.
Printing, punching, and like machines, Collector for articles on delivery from. H. E. F. Brecknell. 1,563,071; Nov. 24.





Printing-telegraph machine. O. L. Kleber. 1,562,457; Nov. 24.
Puller: *See*—
Stone puller.
Pulley, Loose. H. E. Brunner. 1,563,018; Nov. 24.
Pulleys, Counter for. G. Laurin. 1,563,284; Nov. 24.
Pump. R. R. Crum. 1,562,688; Nov. 24.
Pump. H. M. Green. 1,563,082; Nov. 24.
Pump jack. P. E. Tabor and V. V. Kirkpatrick. 1,563,240; Nov. 24.
Pump or blower and similar machine, Centrifugal. L. Weil. 1,563,129; Nov. 24.
Pump, Rotary. W. A. Hatcher. 1,562,448; Nov. 24.
Pumps, Controller for power-driven. B. M. Horter. 1,562,561; Nov. 24.
Purse. H. E. Hodgson. 1,562,641; Nov. 24.
Push-button switch. W. W. Dean. 1,562,689; Nov. 24.
Rack: *See*—
Dish-holding rack. Display rack.
Radiator cap. W. Schnell. Des. 68,875–6; Nov. 24.
Radiator cover. C. M. Poetsch. Des. 68,870; Nov. 24.
Radiator unit. F. Gargiulo. 1,563,182; Nov. 24.
Radio loud-speaker base. A. S. Hecht. Des. 68,856; Nov. 24.
Radio receiver cabinet. R. C. Edwards. Des. 68,850; Nov. 24.
Radio receiving system. J. B. Brady. 1,562,820; Nov. 24.
Radio receiving system. W. G. Ellis. 1,562,877; Nov. 24.
Radio sounder and interference eliminator. H. W. Webbe. 1,562,815; Nov. 24.
Radio transmission system, Directive. R. A. Heising. 1,562,961; Nov. 24.
Rail anchor. J. H. Goos. 1,563,308; Nov. 24.
Rail anchor, chair, and cushion, Combined. G. E. Nagel. 1,563,220; Nov. 24.
Rail bond. W. F. Hart. 1,562,765; Nov. 24.
Rail joint, Welded. C. A. Disbrow. 1,562,621; Nov. 24.
Rail joints, Lightened construction for. V. C. Armstrong. 1,562,609; Nov. 24.
Railway-crossing gate. R. C. Baier. 1,563,142; Nov. 24.
Railway tie, Metallic. E. R. Lehman. 1,562,458; Nov. 24.
Range, Hotel. H. C. Maul. 1,562,841; Nov. 24.
Ranges, Connection block for burners of electric. R. H. MacInnes. 1,563,211; Nov. 24.
Ratchet tool. T. J. Fegley and G. O. Leopold. 1,563,178; Nov. 24.
Razor and stropper, Combined safety. W. H. Lish. 1,562,896; Nov. 24.
Razor blades, Machine for sharpening. M. Ansburger. 1,562,733; Nov. 24.
Razor, Safety. W. C. Edwards, jr. 1,562,546; Nov. 24.
Razor, Safety. H. J. Galsman. 1,562,445; Nov. 24.
Razor, Safety. W. Simmelbauer. 1,562,660; Nov. 24.
Reboring tool. W. C. Van Dresser. 1,562,996; Nov. 24.
Recording mechanism. C. C. Kruse. 1,562,893; Nov. 24.
Refrigerating devices, Quick-sealing closure for. T. B. Slate. 1,563,112; Nov. 24.
Refrigerator. A. N. Hornung. Des. 68,859; Nov. 24.
Refrigerator lining. H. C. Fratt. 1,563,273; Nov. 24.
Refrigerator, Meat-market. O. J. Lasher. 1,563,197; Nov. 24.
Register: *See*—
Cash register.
Regulator: *See*—
Flow regulator.
Relay, Rectifier. W. Kaisling. 1,562,646; Nov. 24.
Release drive, Automatic. C. E. Evans. 1,562,442; Nov. 24.
Remedial and medical substances, Determining the physiological value of. T. F. Zucker. 1,563,134; Nov. 24.
Ribbon fastener. D. Phillips. 1,562,847; Nov. 24.
Ribbon measuring and recording device. W. A. Myers. 1,563,100; Nov. 24.
Riding device, Portable amusement. F. L. Uzzell. 1,563,122; Nov. 24.
Rim, Demountable. C. Belcher. 1,562,676; Nov. 24.
Rims, Making. J. H. Wagenhorst. 1,562,813; Nov. 24.
Ring: *See*—
Piston ring.
Rivets and the like, Machine for making. F. R. Long. 1,562,648; Nov. 24.
Roads, Apparatus for use in repairing. L. E. Lentz. 1,563,202; Nov. 24.
Rodent trap, Automatic. A. Cherlanchakevich. 1,562,493; Nov. 24.
Roller: *See*—
Shade roller.
Roof bracket. H. A. Hubschmitt, jr. 1,562,965; Nov. 24.
Roost, Chicken. C. Warrington. 1,562,814; Nov. 24.
Rotary engine. A. W. and Z. W. Daw. 1,562,743; Nov. 24.
Rotary motor (steam), Reversible. L. B. Hubbard. 1,562,769; Nov. 24.
Sand riddle. M. J. Somers. 1,563,047; Nov. 24.
Sanitary flushing device. M. T. Phillipps. 1,562,585; Nov. 24.
Sash fastener. R. Washburn. 1,562,606; Nov. 24.
Saw hanger, Gang-. R. R. Crane. 1,563,256; Nov. 24.
Sawing machine, Portable. E. P. Arsneau. 1,562,732; Nov. 24.
Scaffold, Knockdown. F. H. G. Brandt and G. K. Krell. 1,563,306; Nov. 24.
Scale for transparent liquid containers, Measuring. W. M. Griffin. 1,562,636; Nov. 24.
Scales and the like, Standard for. M. J. Weber. 1,562,532; Nov. 24.
Scales, Damping device for. R. Craig. 1,563,019; Nov. 24.
Screen brace, Window-. J. O. Wagner. 1,562,605; Nov. 24.
Screw driver. C. A. Beardmore. 1,563,064; Nov. 24.
Screw driver. S. J. Cox. 1,562,543; Nov. 24.
Screw driver or turnscrew or the like. L. Towl. 1,562,810; Nov. 24.
Screw driver, Ratchet. C. Bodmer. 1,562,862; Nov. 24.
Screw, Magnetic. B. Andrews. 1,562,730; Nov. 24.
Scythes and the like, Snath for. A. M. Dial. 1,563,264; Nov. 24.
Sealed joint. E. Weintraub. 1,562,533; Nov. 24.
Sealing machine, Gummed-tape-. J. H. McIntire. 1,563,209; Nov. 24.
Seat: *See*—
Toilet seat. Vehicle seat.
Seat. W. J. Bargen and W. R. Brennan. 1,563,145; Nov. 24.
Selecting system. J. H. Bell. 1,563,007; Nov. 24.
Selectively-operated mechanism, Automatic. F. T. Miller. 1,562,904; Nov. 24.
Separator: *See*—
Sheet separator.
Sewing machine. H. Corrall and B. A. Stevens. 1,563,076; Nov. 24.
Sewing machine. H. W. Krag. 1,562,833; Nov. 24.
Sewing machines, Embroidery-frame holder for. I. Rader. 1,562,850; Nov. 24.
Sewing machines, Folder for. C. Ham. 1,562,446; Nov. 24.
Sewing machines, Guide for. W. D. Turner. 1,562,930; Nov. 24.
Sewing machines, Tape-feeding attachment for. R. W. Hardie. 1,563,309; Nov. 24.
Shade bracket, Combination. A. B. Phipps. 1,563,290; Nov. 24.
Shaft coupling. C. F. Clapham. 1,562,437; Nov. 24.
Shears. H. Ginnel. 1,562,630; Nov. 24.
Shears. J. B. Tytus. 1,562,931; Nov. 24.
Sheet-conveying apparatus. A. Hormel. 1,562,560; Nov. 24.
Sheet-guide adjustment. J. R. Blaine. 1,563,067; Nov. 24.
Sheet separator. C. Henderson. 1,562,557; Nov. 24.
Shelving and service device, Adjustable. J. D. Tinsley. 1,563,116; Nov. 24.
Sherbet or similar article. J. Balda. Des. 68,844; Nov. 24.
Shingle, Slab. J. C. Whitmore. 1,563,131; Nov. 24.
Shade roller, Spring. A. Eckermann. 1,563,267; Nov. 24.
Shock absorber. W. G. Daniel and N. Rogers. 1,563,169; Nov. 24.
Shock absorber. E. Flentje. 1,562,879; Nov. 24.
Shock absorber. K. K. Parker. 1,562,785; Nov. 24.
Shock absorber. W. S. Porter and H. L. Hughes. 1,562,848; Nov. 24.
Shock absorber. C. S. Preston. 1,563,040; Nov. 24.
Shock absorber for automobiles and like vehicles, Friction-controlled pawl-and-ratchet-operated. F. N. Sprague. 1,562,802; Nov. 24.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,562,783; Nov. 24.
Shoes, Making soles for. A. I. Duprey. 1,562,624; Nov. 24.
Shuttle, Self-threading. H. L. Bonney. 1,563,068; Nov. 24.
Sifter, Ash. C. P. Ingleton. 1,563,193; Nov. 24.
Signal: *See*—
Automobile signal. Vehicle signal.
Mail-box signal.
Signal apparatus. L. W. Kuttler. 1,562,885; Nov. 24.
Signal standard, Illuminated-traffic-. A. Sprung. Des. 68,879; Nov. 24.
Signaling by ultra-audible sound waves. R. A. Fessenden. 1,562,950; Nov. 24.
Signaling circuits. D. A. Quarles. 1,562,989; Nov. 24.
Signaling, Power line. A. M. Granich. 1,562,955; Nov. 24.
Skylights and the like, Locking device for. K. Rosenheim. 1,563,043; Nov. 24.
Sleeve-extracting device. A. D. Brochu. 1,562,616; Nov. 24.
Sleeve stretcher, Self-adapting. J. H. Dumbleton and E. C. Lindberg. 1,563,174; Nov. 24.
Slicing machine. W. H. Donald. 1,562,628; Nov. 24.
Slug-catching flier attachment. H. N. Houle. 1,562,648; Nov. 24.
Smoke condenser. A. W. Ward. 1,563,125; Nov. 24.
Snap switch. W. C. Tregoning. 1,562,601; Nov. 24.
Snow plow and loader. H. P. Milne and L. M. Sanders. 1,562,842; Nov. 24.
Soap storing and dispensing apparatus, Liquid-. F. J. G. Hardy. 1,562,883; Nov. 24.
Soluble substances, Purification or extraction of. W. Broadbridge, E. Edser, and W. G. Sellers. 1,562,863; Nov. 24.
Sound recording and reproducing device. A. Junod. 1,563,033; Nov. 24.
Speedometer. S. Toth. 1,562,666; Nov. 24.
Spigot cock. J. Lawson. 1,563,093; Nov. 24.

Spirits and refining petroleum products, Making motor. B. T. Brooks. 1,563,012; Nov. 24.
Spraying in cooling ponds and the like, Apparatus for. L. H. Parker. 1,562,657; Nov. 24.
Spring: *See*—
Vehicle spring.
Spring device, Auxiliary. H. F. Benner. 1,563,149; Nov. 24.
Spring suspension. C. Froesch. 1,563,022; Nov. 24.
Spring wheel. W. McBurnett. 1,562,512; Nov. 24.
Sprocket wheel. E. O. Beardsley and W. F. Piper. 1,562,937; Nov. 24.
Stabilizer, Foam. N. T. Ewer. 1,562,878; Nov. 24.
Stalk cutter. W. S. Nix. 1,563,221; Nov. 24.
Stand: *See*—
Kettle stand.
Steam drier, Material. C. F. Bledsoe. 1,562,679; Nov. 24.
Steam heating apparatus, Flasher. D. De Vries. 1,562,498; Nov. 24.
Steam shovels, Stuffing box for. C. A. Weber. 1,562,669; Nov. 24.
Steel, Heat-resisting. E. H. Noack. 1,562,782; Nov. 24.
Steel tank, Gas-tight. H. E. Leland. 1,563,199; Nov. 24.
Steering wheels, Wrapping for. W. Hughes. 1,563,191; Nov. 24.
Stencil-printing machine. H. P. Elliott. 1,563,268; Nov. 24.
Stepladder, Extension. J. F. Leicht. 1,563,201; Nov. 24.
Stick guide, Automatic. C. A. Huffman. 1,563,030; Nov. 24.
Still. M. F. De Bajligethy. 1,562,690; Nov. 24.
Stoker, Underfeed. A. H. Blackburn and S. A. Armstrong. 1,563,008; Nov. 24.
Stone-gathering machine. W. Hennig. 1,562,766; Nov. 24.
Stone puller. J. J. Couch. 1,563,255; Nov. 24.
Storage battery, Electric. J. G. Jackson. 1,562,887; Nov. 24.
Stove. J. C. Hollands. 1,563,026; Nov. 24.
Stove structure. T. E. Taylor. 1,562,927; Nov. 24.
Strainer. A. Brown. 1,562,492; Nov. 24.
Strainer, Milk. G. S. Ott. 1,562,911; Nov. 24.
Strap: *See*—
Grip strap.
Structural-element manufacture. N. C. Rendleman. 1,562,916; Nov. 24.
Structural shapes, Adjustable support as applied to rolled. W. S. Porter and H. L. Hughes. 1,562,849; Nov. 24.
Supply and waste, Combination. C. J. Muend. 1,562,983; Nov. 24.
Surgical and dental appliance. G. F. Jackson and F. E. Campbell. 1,563,280; Nov. 24.
Surgical brace. A. H. Whitmer. 1,562,935; Nov. 24.
Swab cup, Reenforced. G. Christenson. 1,563,164; Nov. 24.
Sweatband. M. Rappaport. 1,562,990; Nov. 24.
Switch: *See*—
Automobile signal switch.
Electric switch.
Ignition-circuit switch.
Push-button switch.
Snap switch.
Switch box. F. M. Crossley. 1,563,257; Nov. 24.
Switch mounting, Adjustable. D. D. Gordon. 1,562,632; Nov. 24.
Synchronizing device. O. C. Traver. 1,563,120; Nov. 24.
Synthesizing higher molecular organic compounds containing oxygen. G. and R. Wietzel. 1,562,480; Nov. 24.
Table: *See*—
Gauge table.
Table and ironing board, Combination. D. B. Brickley. 1,562,538; Nov. 24.
Table and seat, Combination. C. F. Ettwein. 1,563,177; Nov. 24.
Table-cover fastening. C. M. Swanson. 1,562,985; Nov. 24.
Talking machines, Record holder for. F. C. Jones. 1,563,299; Nov. 24.
Talking machines, Record holder for. S. T. Williams. 1,563,300; Nov. 24.
Tank: *See*—
Closet tank.
Steel tank.
Transportable tank.
Tanks, Intake regulator for siphon. J. W. Cox. 1,562,542; Nov. 24.
Tanks, Locking device for. W. Peabody. 1,563,224; Nov. 24.
Tans comprising a reaction product of sulphite cellulose. J. Breedis. 1,563,010; Nov. 24.
Tape, Molding. C. E. Snyder. 1,562,598; Nov. 24.
Tea-balling machine. J. Pierce. 1,563,106; Nov. 24.
Teapot. M. L. Buckingham. 1,563,155; Nov. 24.
Teetering device. W. L. Herring. 1,562,700; Nov. 24.
Telegraph, Ship's. F. W. Wood. 1,562,483; Nov. 24.
Telegraph system. G. C. Cummings. 1,562,943; Nov. 24.
Telephone-exchange system. J. F. Toomey and H. E. Phelps. 1,562,526–7; Nov. 24.
Telephone receivers, Apparatus for testing. V. Durbin. 1,562,545; Nov. 24.
Telephone shield, phone director, and calendar, Combined. S. E. Gormican. Des. 68,854; Nov. 24.
Telephone system. J. F. Toomey and H. E. Phelps. 1,562,528; Nov. 24.
Telephones, Antiseptic attachment for. J. I. Orkin. 1,562,515; Nov. 24.
Temperatures, Measuring. O. Pedersen. 1,563,104; Nov. 24.
Tempering. J. C. Davis. 1,563,170; Nov. 24.
Tempering apparatus. J. C. Davis. 1,563,171; Nov. 24.
Tennis racket and the like. F. W. Gower, H. J. Owen, and R. J. Nash. 1,562,881; Nov. 24.
Tension grip. F. L. MacAleese. 1,563,036; Nov. 24.
Tethering device, Animal-. J. J. Madiar. 1,563,212; Nov. 24.
Textile fabric. F. M. Kaufman. Des. 68,860–2; Nov. 24.
Textile fabrics, Producing color-filled embroidered designs on. P. Gouled. 1,563,185; Nov. 24.
Thermostatic elements, Mounting for. C. B. Walker. 1,562,932; Nov. 24.
Thread-cutting die. A. J. Prance. 1,563,108; Nov. 24.
Thread-cutting machine. G. R. Kunkle. 1,562,705; Nov. 24.
Tie plate. J. Kruttschnitt and E. H. Bell. 1,563,283; Nov. 24.
Time-controlled mechanism. F. J. Blum, sr. 1,562,537; Nov. 24.
Tire, Automobile. A. F. Moneuse. 1,562,577; Nov. 24.
Tire-bead construction. F. H. Beyea. 1,562,678; Nov. 24.
Tire covers or casings and in machine therefor, Manufacture of pneumatic-. C. M. Gautier. 1,562,753; Nov. 24.
Tire covers or casings, Machine for making pneumatic-. C. M. Gautier. 1,562,754; Nov. 24.
Tire-retaining rims of vehicle wheels, Tool for manipulating split. W. H. Welch. 1,563,311; Nov. 24.
Tires, Bead for pneumatic. F. H. Beyea. 1,562,677; Nov. 24.
Tobacco-drying apparatus. J. B. Muse. 1,563,312; Nov. 24.
Toilet case. A. G. Jones. 1,562,455; Nov. 24.
Toilet case or similar article, Holder for. W. H. Lester. Des. 68,864–6; Nov. 24.
Toilet seat, Portable. L. F. Smith. 1,563,236; Nov. 24.
Tool, Fluid-pressure-operated. E. H. Shaff. 1,562,726; Nov. 24.
Tools, Handle-locking means for fluid-pressure-operated. E. H. Shaff. 1,562,725; Nov. 24.
Toy. B. Santangelo. 1,563,298; Nov. 24.
Toy. R. Ries. 1,563,111; Nov. 24.
Toy motion-picture device. L. A. King. 1,563,090; Nov. 24.
Toy, Musical. F. M. Pierce. 1,562,721; Nov. 24.
Toy, Pneumatic. H. Schwartz. 1,562,593; Nov. 24.
Toy, Whirling. R. Candido. 1,563,249; Nov. 24.
Toys, Talking mechanism for. I. A. Rommer. 1,562,475; Nov. 24.
Track liner. J. Humphreys. 1,562,886; Nov. 24.
Trailer. W. C. Nabors. 1,562,652; Nov. 24.
Trailer support. E. F. Hartwick. 1,562,960; Nov. 24.
Transition coupler. W. E. Coffin. 1,563,017; Nov. 24.
Translating device. M. P. Chaplin. 1,562,436; Nov. 24.
Transmission circuits. H. W. O'Neill. 1,562,844; Nov. 24.
Transportable tank. E. A. Rudigier. 1,562,991; Nov. 24.
Trap: *See*—
Rodent trap.
Tray, Card. J. P. Hacha. 1,562,638; Nov. 24.
Tray for fruit packing, Quick-facing. J. T. Janney. 1,562,888; Nov. 24.
Tread and riser marker. M. T. Sanders. 1,563,229; Nov. 24.
Tree guard. J. B. Anderson. 1,562,729; Nov. 24.
Treating liquid materials. G. D. Harris. 1,562,760; Nov. 24.
Trigger guard. F. J. Capon. 1,563,250; Nov. 24.
Trimmer: *See*—
Hedge trimmer.
Pipe-end trimmer.
Trough, Hog. W. Dill. 1,562,620; Nov. 24.
Truck. J. J. Floyd. 1,562,750; Nov. 24.
Truck body. H. J. Weeth. 1,563,244; Nov. 24.
Truck, Handling. J. J. Williams. 1,563,057; Nov. 24.
Tube: *See*—
Collapsible tube.
Tubing slip and spider. J. D. Nixon. 1,562,469; Nov. 24.
Turbine blading. A. T. Kasley. 1,562,970; Nov. 24.
Turbine, Hydraulic. F. Schmidt. 1,563,301; Nov. 24.
Turbine, Hydraulic. L. F. Harza. 1,562,556; Nov. 24.
Type, Flanged. P. Dixon. 1,563,285; Nov. 24.
Typewriter ribbons, Machine for unreeling and spooling. E. Burrough. 1,563,157; Nov. 24.
Typewriters, Ribbon mechanism for. R. D. Ananson. 1,562,431; Nov. 24.
Typewriting machine. J. A. B. Smith. 1,562,524; Nov. 24.
Typewriting machine. J. A. B. Smith. 1,563,113; Nov. 24.
Typewriting machine. W. F. Helmond. 1,563,085; Nov. 24.
Umbrella-identification means. C. D. Newell. 1,563,039; Nov. 24.
Undergarment. H. J. Page. 1,562,471; Nov. 24.
Valuables, Protective means for the containers of. A. Elmer. 1,563,176; Nov. 24.
Valve. C. J. Muend. 1,562,979; Nov. 24.
Valve for use with furnace oxidators and mechanism for operating the same, Liquid-controlled gravity. J. J. A. Miller. 1,562,906; Nov. 24.





Valve, Grain-dispensing. F. E. Beeson. 1,563,006; Nov. 24.
Valve-operating mechanism. E. T. Smith. 1,562,596–7; Nov. 24.
Valve-spring-compressing device. F. L. Witham. 1,563,128; Nov. 24.
Valve-spring lifter. A. J. Walton. 1,562,934; Nov. 24.
Valve structure. C. J. Muend. 1,562,981; Nov. 24.
Vanadium values, etc., Obtaining. E. L. Baldeschwieler. 1,563,061; Nov. 24.
Vapor apparatus. W. N. Norwood. 1,563,286; Nov. 24.
Variable condenser. H. Gernsback. 1,562,629; Nov. 24.
Variable inductance. R. W. Camfield and R. M. Wise. 1,562,619; Nov. 24.
Vehicle body, Convertible. H. Gosse, sr. 1,562,756; Nov. 24.
Vehicle brake. B. Icre. 1,562,702; Nov. 24.
Vehicle brake mechanism. E. R. Evans. 1,562,443; Nov. 24.
Vehicle, Motor road. A. R. Marks and W. A. Moir. 1,562,901; Nov. 24.
Vehicle, Occupant-propelled. P. Hansen. 1,562,553; Nov. 24.
Vehicle seat. J. F. Presley. 1,562,658; Nov. 24.
Vehicle seat attachment. T. H. Morrison. 1,563,218; Nov. 24.
Vehicle signal. W. J. Saviers. 1,562,592; Nov. 24.
Vehicle spring. M. M. McIntyre. 1,562,779; Nov. 24.
Vehicle wheel. W. W. Garriott. 1,562,696; Nov. 24.
Vehicle wheel. J. W. Smith. 1,563,114. Nov. 24.
Vehicle wheel, Solid-tire. H. N. Atwood. 1,562,674; Nov. 24.
Vehicle wheels, Spring suspension of. R. D. Escombe. 1,562,824; Nov. 24.
Vehicles, Attachment for motor. A. W. Knutson. 1,563,092; Nov. 24.
Vehicles, Combined sprag and brake for power-driven. H. Sauveur. 1,562,795; Nov. 24.
Vehicles, Direction-indicating signal for. J. E. Burnham and E. A. Jones. 1,562,740; Nov. 24.
Vehicles, Direction indicator for motor. C. M. Dowers and M. R. Logan. 1,562,745; Nov. 24.
Vehicles, Holder for bolster stakes for freight. E. Andersson. 1,562,672; Nov. 24.
Velocipede. R. G. Ledig. 1,563,094; Nov. 24.
Vending machine. G. Weiss. 1,562,478; Nov. 24.
Vending machine. J. C. Quintin. 1,563,109; Nov. 24.
Vending-machine casing. G. B. Smith. Des. 68,880; Nov. 24.
Ventilator: *See*—
Floor ventilator.
Window ventilator.
Viscose solutions, Preparing. E. S. Humboldt. 1,562,885; Nov. 24.
Viscous liquids and product thereof, Producing. L. Lilienfeld. 1,563,203; Nov. 24.
Vulcanization apparatus. G. J. Mead. 1,563,037; Nov. 24.
Wagons, Tilting mechanism of self-discharging. W. Barnett and J. Florendine. 1,562,860; Nov. 24.
Wall construction. J. F. Makowski. 1,562,839; Nov. 24.
Washer drive mechanism. A. R. Curtis. 1,562,440; Nov. 24.
Washing machine. A. W. Altorfer. 1,563,136; Nov. 24.
Waste mechanism and control. C. J. Muend. 1,562,980; Nov 24.
Watch alarm. W. Miller. 1,562,978; Nov. 24.
Water heater. D. S. Scarborough. 1,563,296; Nov. 24.
Water motor. B. O. Jenkins. 1,562,506; Nov. 24.
Water motor. W. G. and M. E. Alexander. 1,562,586; Nov. 24.
Wave transmission, Multiplex carrier-. J. W. Horton. 1,562,964; Nov. 24.
Weighing instrument. A. W. Ainsworth. 1,562,936; Nov. 24.
Well casings, Coupling for. R. C. Baker. 1,562,675; Nov. 24.
Wells, Swab and packing for deep. G. Christenson. 1,563,162; Nov. 24.
Wells, Swab packing for deep. G. Christenson. 1,563,163; Nov. 24.
Wheel: *See*—
Disk wheel.
Power wheel.
Spring wheel.
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Wheel. C. A. Towe. 1,562,928; Nov. 24.
Wheel-driving attachment. G. A. Amiott. 1,562,607; Nov. 24.
Wheels, Apparatus for and method of straightening disk. C. Finkbeiner. 1,562,626; Nov. 24.
Winding machine, Helix-. A. H. Jones. 1,562,645; Nov. 24.
Window-controlling device. H. P. Stevens. 1,563,115; Nov. 24.
Window fastener. O. L. Kohnert. 1,562,972; Nov. 24.
Window mounting and operating device for doors. A. E. Olsen. 1,562,718; Nov. 24.
Window-operating device. A. E. Olsen. 1,562,719; Nov. 24.
Window-sash-retaining arrangement. W. R. Slappey. 1,562,523; Nov. 24.
Window-shade roller and adjuster, Automatic. F. E. Wernts. 1,562,481; Nov. 24.
Window, Storm. W. Milbrath. 1,562,576; Nov. 24.
Window ventilator. C. Wilke. 1,563,003; Nov. 24.
Windshield. P. Carlson. 1,563,159; Nov. 24.
Windshield cleaner. B. E. Litot. 1,562,898; Nov. 24.
Windshields, Weather frame for. E. G. Simpson. 1,562,661; Nov. 24.
Wire-feeding means. B. L. Van Orman. 1,562,997; Nov. 24.
Wire-forming means. B. L. Van Orman. 1,562,998; Nov. 24.
Wire stretcher. L. Renari. 1,562,588; Nov. 24.
Wireworking machine. H. Kuester. 1,562,973; Nov. 24.
Woodworking machine. E. J. Fager, jr. 1,562,826; Nov. 24.
Wrapping machine, Magazine-. D. S. Baird. 1,562,610; Nov. 24.
Wrench. J. M. Twelt. 1,563,242; Nov. 24.
X-ray apparatus. W. Meyer. 1,562,650; Nov. 24.
Yarn, Tufting wicking or roving. L. W. Frank. 1,563,307; Nov. 24.
Yarns on spindles, Apparatus for dyeing wound. J., T. and J. Brandwood. 1,562,736; Nov. 24.
Zinc vapor. Process and apparatus for condensing. O. Ravner. 1,562,473; Nov. 24.
Zirconium-oxide complex and producing and using the same. C. J. Kinzie. 1,562,890; Nov. 24.

# CLASSIFICATION OF PATENTS

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# ERRATA.

**69,057 (Design)**, in heading, assignment, name of assignee, for "William H. Jenkins" read *William N. Jenkins.*

**1,563,722**, in heading, assignment, strike out the compound word "one-fourth" before the second-mentioned assignee "Mary B. Carleton" and insert instead *one-eighth.*

**1,566,061**, in heading, assignment, name of assignee, for "William C. Arthur" read *William O. Arther.*

**1,566,663**, in heading, assignment, name of assignee, for "Herschberg & Company" read *Hirschberg & Company.*

Patents Nos. 1,563,313 to 1,564,186.

# THE OFFICIAL GAZETTE

OF THE

# United States Patent Office.

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## Order of the Court of Appeals of the District of Columbia Relating to Motions, Etc.

COURT OF APPEALS OF THE DISTRICT OF COLUMBIA.

*October Term, 1925.*

It is by the court this day ordered, that on and after November 20th, 1925, all typewritten motions, petitions, and applications addressed to the court must be made in originals instead of original and carbon copies thereof, as heretofore allowed.

PER MR. CHIEF JUSTICE MARTIN.

November 9, 1925.

HENRY W. HODGES,
*Clerk.*

## Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Nov. 17, 1925.*

*American Beverage Co., Inc., its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of Artemas W. Deane, of 129 South Fremont Street, Los Angeles, Calif., to effect the cancellation of the trade-mark registration of American Beverage Co., Inc., Atlanta, Ga., No. 58,908, dated December 25, 1906, and the notice of such proceeding sent by registered mail to the said American Beverage Co., Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said American Beverage Co., Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

## Interference Notices.

U. S. PATENT OFFICE, *Washington, Nov. 20, 1925.*

*Franklin M. Risk, his assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of J. N. Adams & Co., Buffalo, N. Y., for registration of a trade-mark and trade-mark registered August 29, 1916, No. 112,812, to Franklin M. Risk, 7139 St. Lawrence Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said Risk at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Risk, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Nov. 13, 1925.*

*Anne E. Rawlins, her assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Fitzpatrick Bros., 1319 West Thirty-Second Place, Chicago, Ill., for registration of a trade-mark and trade-mark registered May 3, 1910, No. 77,755, to Anne E. Rawlins, 2270 South Jefferson Avenue, St. Louis, Mo., and a notice of such declaration sent by registered mail to said Rawlins at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Rawlins, her assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Oct. 31, 1925.*

*Wallace M. Fewel, his assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of the Ivanhoe Fruit Association, Ivanhoe, Calif., for registration of a trade-mark and trade-mark registered July 22, 1924, No. 186,742, to Wallace M Fewel, Centerville, Calif., and a notice of such declaration sent by registered mail to said Fewel at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Fewel, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

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| 112 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders. | Sept. 9 | Sept. 12 | 868 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | July 13 | May 7 | 814 |
| 331 | 3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | Sept. 24 | Aug. 6 | 510 |
| 234 | 4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists. | Aug. 13 | Aug. 29 | 805 |
| 108* | 5 MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | June 20 | June 20 | 864 |
| 318 | 6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | Aug. 10 | Aug. 19 | 903 |
| 106 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | Aug. 27 | Aug. 27 | 786 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture | Aug. 28 | Aug. 29 | 1,170 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | Aug. 10 | July 20 | 619 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | July 24 | Aug. 17 | 928 |
| 148* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | Aug. 17 | Aug. 27 | 703 |
| 380 | 12. PIERCE, P. P., Machine Elements | Aug. 5 | Aug. 4 | 853 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | Aug. 1 | Aug. 29 | 883 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | July 13 | Aug. 20 | 790 |
| 329 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | Aug. 20 | Aug. 19 | 668 |
| 242* | 16. SPENCER, C. J., Batteries: Resistances and Rheostats; Telegraphy; Telephony | July 13 | Aug. 7 | 912 |
| 307 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures: Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | Aug. 10 | Sept. 15 | 359 |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | June 30 | June 25 | 719 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | July 22 | Oct. 9 | 465 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches, Safes; Undertaking. | Aug. 26 | Aug. 31 | 668 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | July 17 | Sept. 2 | 472 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Sept. 5 | Sept. 11 | 345 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | June 8 | July 13 | 361 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Sept. 16 | Sept. 17 | 327 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | July 25 | Aug. 21 | 722 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | May 22 | June 4 | 755 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | Sept. 21 | Sept. 23 | 488 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Sept. 21 | Sept. 21 | 673 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | May 7 | May 12 | 1,195 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | Aug. 6 | Aug. 20 | 927 |
| 312 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | Sept. 24 | Sept. 3 | 657 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | July 28 | July 22 | 572 |
| 152 | 33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Sept. 30 | Sept. 25 | 625 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders. | July 10 | July 11 | 609 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | Aug. 21 | Sept. 22 | 606 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | July 29 | Aug. 20 | 994 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | July 6 | July 2 | 860 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells. | June 24 | June 29 | 877 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | Aug. 18 | Sept. 19 | 417 |
| 269 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | July 31 | Aug. 10 | 1,186 |
| 125 | 41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | July 10 | Aug. 5 | 425 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling | June 15 | June 9 | 1,229 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | Aug. 17 | Aug. 17 | 719 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | July 1 | June 2 | 826 |
| 379 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | Aug. 3 | Aug. 24 | 609 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | Aug. 19 | Aug. 6 | 577 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | July 2 | July 13 | 1,176 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications | June 22 | June 22 | 1,568 |
| 239 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification. | July 29 | Aug. 7 | 718 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | July 8 | July 18 | 1,031 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | July 9 | July 14 | 1,528 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | Sept. 17 | Sept. 21 | 491 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens. | Sept. 3 | Sept. 3 | 666 |
| 102 | Designs: C. O. MARKHAM (Acting) | Oct. 27 | Nov. 2 | 303 |
| 163 | Trade-Marks, Labels, and Prints: T. L. MEAD, Jr. (Trade-Marks | Oct. 20 | Nov. 2 | 1,835 |
| | (Labels and Prints | Oct. 24 | Nov. 16 | 119 |

* Refers to room numbers in the annex.



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Commissioner's Decisions.

EX PARTE STRONG.

*Decided November 20, 1925.*

INVENTION—MECHANICAL SKILL—MODIFICATION OF MARBLE-GRINDING MACHINE TO PRODUCE MACHINE FOR FINE GRINDING OF SMALL METAL ROLLERS.

**The modification of a machine for polishing a cylindrical piece of marble in order to produce appellant's machine for finer or lighter grinding of rollers for antifriction bearings after they are hardened and ground to true shape would involve ordinary mechanical skill where machines for the latter purpose are old and the parts of the marble grinding machine need no modification in mode of operation in order to polish small metal rollers and they function to produce the same movements as those obtained with appellant's machine, although the marble-grinding machine is much larger and the marble would be turned more slowly than appellant's small bearing roller.**

NOTE.—This application has resulted in Patent No. 1,531,043, March 24, 1925.

Application for patent.

APPEAL from the Examiners in Chief.

PROCESS AND APPARATUS FOR LAPPING ROLLERS.

Application filed May 29, 1922, Ser. No. 564,394.

*Messrs. Carr & Carr* for the applicant.

KINNAN, *First Assistant Commissioner:*

This case comes on for review by appeal of the decision of the Examiners in Chief affirming that of the Primary Examiner denying patentability to claims 1 to 7, inclusive, of which claim 1 will serve for illustrative purposes.

**1. A roll lapping machine for lapping rolls for roller bearings comprising means for rotating a roll about its axis, a lap of greater length than such roll, means for forcing said lap transversely against said roll, and means whereby said lap is adapted to adjust its bearing face automatically to the surface of the roll.**

The references are Scoville, 382,909, May 15, 1888; Calahan, 1,025,859, May 7, 1912; Friess, 1,227,775, May 29, 1917; Smith, 1,122,433, December 29, 1914; Buckwalter, 1,373,051, March 29, 1921; Wesson, 1,423,378, July 18, 1922.

The claims are directed to what is known in the art as a roll-lapping machine. While all of the claims are not so restricted to, yet the machine is primarily designed for lapping rollers for antifriction roller bearings. In perfecting the rollers, especially for antifriction bearings, these rollers are hardened and then ground to true shape; but in order to bring them to the high degree of perfection required for quiet-running bearings they are submitted to a finishing operation, and this is the operation performed by the apparatus set forth in the appealed claims. The roller to be lapped is rotated at a high speed while the lap is brought against it with the desired pressure and is reciprocated longitudinally of the roller to insure even polishing. The lap is pivoted for slight lateral swinging, so as to automatically accommodate the surface of the roller. The lap is preferably formed with a series of grooves disposed at right angles to each other to form pockets for receiving an abrasive material. This form of lap may be omitted, and a copper or other soft material lap may be substituted and the grooves eliminated.

As well stated by the Examiner and as entirely supported by the specification, the term "lapping" merely means a form of grinding of a finer or lighter character similar to that practiced in cutting or polishing precious stones. Appellant in his brief on appeal has sought to give a special meaning to the term "lapping" and has also contended that in the operation of his machine the high particles of the roller are pressed or flowed plastically in order to fill up the microscopic pits and press down the projecting points. It is very clear the original specification furnishes no basis for this contention, nor is there anything in the original disclosure which supports the view that appellant had in operation and in mind more than that which is originally understood to be defined in the Examiner's statement.

The prior art discloses several machines for finishing bearing rollers. Such machines are disclosed by Smith, Buckwalter, and Wesson. The other references disclose machines for grinding cylinders, and it is evident the modification of them required to grind the particular shape of roller which appellant seeks to lap would involve most ordinary mechanical skill. The most pertinent reference is that of the Scoville patent. This machine employs metal bricks to polish a cylindrical piece of marble. The statement in appellant's brief that the marble turns slowly is not borne out by the patentee's specification; but admittedly the marble would be turned more slowly than appellant's small bearing roller. The operation of the machine has been discussed by the tribunals below and by appellant in his brief. The construction is simple, and the parts function to produce the same movements obtained with appellant's machine. The construction is much larger; but of course it could be made smaller, and the various parts would need no modification in mode of operation in order to polish or lap small metal rollers. Perhaps in the absence of other machines for working upon small cylindrical shapes the modification of Scoville's machine would not be so obvious; but with the present state of the grinding polishing art there is ample suggestion for making the Scoville apparatus smaller, adapted to run the work at a higher speed and perform the functions obtained with appellant's machine. Whether or not appellant originally disclosed the lap of

greater width than the length of the roller there is no invention in such feature. It involved only good judgment to make the lap wide enough for the work to be lapped. After a most careful review of the claims and the holding of the Examiner I am satisfied his conclusion is sound.

The decision of the Examiners in Chief is affirmed.

---

EX PARTE REO MOTOR CAR COMPANY.

*Decided June 2, 1925.*

TRADE-MARKS—ACQUIESCENCE IN DENIAL OF REGISTRATION UNDER ACT OF 1905 AND ACCEPTANCE OF REGISTRATION UNDER ACT OF 1920—ELECTION—ESTOPPEL.

Where the applicant, prior to the passage of the Trade-Mark Act of March 19, 1920, applied for registration of a mark under the 1905 act, and then, registration being denied because the mark was held descriptive, applicant sought and finally obtained registration under the act of 1920, *Held* that by accepting registration under the 1920 act instead of appealing, the applicant should be held bound by its election, and delay of over four years in seeking to cancel the registration under the act of 1920 and renew the application under the 1905 act constituted such laches as amounted to estoppel.

APPLICATION for registration of trade-mark.

ON APPEAL.

TRADE-MARK FOR LIGHT MOTOR TRUCKS.

Application filed September 5, 1924, Ser. No. 202,263.

*Mr. Elliott J. Stoddard* for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiner of Trade-Marks denying registration of the notation "Speed Wagon" used on light motor trucks. The mark was refused registration on the ground that is was descriptive of the goods.

The records disclose that this applicant, prior to the passage of the Trade-Mark Act of March 19, 1920, applied for registration of this same mark under the 1905 act and that registration being denied under the latter act because the mark was held descriptive, the registration was then sought and finally obtained under the act of March 19, 1920. After more than four years, during which time applicant availed itself of its rights under the registration it had obtained, it seeks to cancel such registration and renew its application for registration under the 1905 act. The 1920 act, section 1 (*b*), states that the Commissioner shall keep a register of "all other marks not registrable under the act of February 20, 1905, as amended." It is apparent, therefore, that by accepting registration under the 1920 act, instead of appealing, if applicant believed there was error in the decision of the Examiner of Trade-Marks that registration under the 1905 act should not be granted, the applicant should be held bound by its election. The long delay of over four years in seeking registration under the 1905 act constitutes such laches as amount to an estoppel.

As to the merits of the question whether the trade-mark is descriptive, it is noted that in the opposition proceeding, *Reo Motor Car Co.* v. *Traffic Motor Corporation*, decided by me December 4, 1923; 14 T. M. Rep. 34, the decision being affirmed by the court of appeals, March 2, 1925, 338 O. G. 1, I held the term "Speed Wagon" was descriptive as applied to trucks. Applicant contends that the question raised in that opposition was not the same as that presented here on appeal, and in such contention it is undoubtedly correct. It is believed, however, that the interpretation put upon the terms constituting the mark by the public is correctly indicated by the witness Triphagen, who was called as a witness for the opposer, the applicant here, in the opposition, and testified that the mark means "a speedy truck, the truck that will deliver goods faster."

I have not overlooked the very able and ingenious argument giving the various meanings that may be attributed to the word "speed"; but I am constrained to the view that to the average purchaser the word as applied to a motor truck means a speedy truck.

Appellant has pressed the view that the words truck, wagon, bus, carriage, etc., which were used in the days of horse-drawn vehicles, have not all persisted in the transition to motor-driven vehicles; that while the names "bus" and "truck" have been carried forward from the old horse-drawn-vehicle art to the later motor-vehicle art, the name "wagon" has not been so perpetuated. In consequence such word is not descriptive of a motor truck, and the notation speed wagon is also not descriptive of such a vehicle. It would seem the test lies in what the public would understand by the notation. It is believed a fair conclusion such notation applied to a light motor truck would be understood to mean a speedy truck, one that would quickly transport goods from one place to another. The term "wagon" has been, it must be held, frequently applied to motor vehicles in the loose careless way the public refers to these vehicles. These have been styled power wagons, gasoline wagons, etc. The terms truck and wagon are fairly interchangeable as applied to motor vehicles, although they are much more frequently, it is true, termed "trucks". It must be held appellant's mark, appearing on a light motor truck, would be understood by the public to describe the quality or characteristic of the vehicle. In the case *In re Central Consumers Company*, 140 O. G. 1211; 1909 C. D. 329: 32 App. D. C. 523, the cort held:

> It was evidently the intention of Congress, placing these restrictions in the Trade Mark Act, to prohibit anyone from acquiring a property right, protected by law in its exclusive use, in a name possessing any inherent signification that would, of itself, enhance the sale or value of the article or articles to which it may be applied.

It seems clear enough the prospective purchaser of one of the applicant's products would ascribe to the notation "Speed Wagon" a signification that would enhance the value of the product.

Even if applicant's contention as to the nondescriptive character of the words constituting the mark be accepted it is believed to be estopped, as above indicated, by reason of its acquiescence, without exercising the right of appeal, for four years in the view of the Examiner that the mark was descriptive and not registrable under the 1905 act. *Ex parte Pitney-Bowes Postage Meter Co.*, 146 MS. D. 149 [affirmed by Court of Appeals D. C. June 1, 1925, 338 O. G. 5].

The decision of the Examiner of Trade-Marks denying registration is affirmed.

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WINKELMANN *v.* LESSER.

*Decided June 14, 1924.*

1. INTERFERENCE—PRIORITY—REDUCTION TO PRACTICE—ORIGINALITY.

Where a device embodying the invention in issue was completed and successfully tested by W., the junior party, prior to L.'s filing date, W. is entitled to the award of priority in the absence of proof by L. either that he was in possession of the invention before W. reduced it to practice or that he disclosed it to W.

2. SAME—ORIGINALITY—DISCLOSURE—EVIDENCE OF—TESTIMONY.

Where B., L.'s witness, testifies that he accompanied L. at the time L. conferred with W. and he saw L. make a sketch in his conference with W., but he did not hear what was said, and it does not appear that the sketch showed the invention in issue or what it showed, *Held* that B.'s testimony is of value only in establishing the fact of the conference.

3. SAME—TESTIMONY—CREDIBILITY OF.

It is not strange that W., an employee of the Singer Sewing Machine Co., constructed the model of an improvement in sewing-machine attachments at home, his company having taken no orders for the device and W. not having been authorized to spend any of the company's time on it.

4. SAME—ORIGINALITY—COMPLETION OF DEVICE BY W. SOON AFTER CONFERENCE WITH L.

The development of the complete device by W. within a few days after L.'s first conference with W. may be taken as indicative that W. had previously given thought to the matter, although if L. actually disclosed the invention in its perfected form to W. the latter probably would have been able to make the device in this short time.

5. SAME—SAME—REDUCTION TO PRACTICE—ALLEGED DISCLOSURE TO INTERFERING PARTY.

Where W., the junior party, at the instigation of L. completed and successfully tested a device embodying the invention in issue prior to L.'s filing date, and there was no evidence of possession of the invention by L. before W. reduced it to practice and no evidence of disclosure of the invention by L. prior to his alleged but uncorroborated disclosure to W., and where L.'s disclosure on the witness stand of what he invented fell far short of the information possessed by W. before their conference, *Held* that L. failed to establish that he disclosed the invention to W., and priority was awarded to W.

Note.—The application of W. has resulted in Patent No. 1,529,103, March 10, 1925.

Patent interference No. 47,662.

APPEAL from the Examiners in Chief.

FOLDERS FOR CIRCULAR WORK.

Application of Charles Winkelmann filed December 2, 1919, Serial No. 341,957.

Application of Donald Lesser filed August 27, 1919, Serial No. 320,138.

*Mr. Henry J. Miller* for Winkelmann.

*Mr. Charles G. Hensley* for Lesser.

FENNING, *Assistant Commissioner:*

This is an appeal by the junior party, Winkelmann, from the decision of the Examiners in Chief affirming the decision of the Examiner of Interferences awarding priority of invention to the senior party, Lesser.

The invention relates to attachments for sewing machines and its set forth in 12 counts, of which the following are illustrative:

> 1. The combination with a sewing machine throat-plate having a needle-hole and a depression in front of said needle-hole, of a folding attachment comprising a plate provided with a scroll-section substantially U-shaped in cross-section and placed on its side in said depression, a guide-plate having a curved edge extending between the legs of the scroll section and spaced therefrom, and edge-guiding means on the lower side of the guide-plate adjacent the curved edge thereof.
>
> 12. A sewing machine comprising stitching means including an apertured needle plate, a sewing needle operating in said aperture, said needle plate having an aperture for the feed dog arranged near the needle aperture, a feed dog movable therein, a fabric plate having an outwardly arched curved edge leading toward and terminating just in advance of the needle aperture of the needle plate, on which fabric plate fabric is adapted to rest and to be turned with the edge of the fabric extending over said curved edge, a folder arranged to guide the edge of the fabric around said curved edge, and a presser foot near said needle, having a claw extending inside the arc of the curved edge of said fabric plate.

This is a case of originality, each party relying on the same work. The testimony of both parties establishes, as held below, that the device was made by Winkelmann, an employee of the Singer Mfg. Co., at the instigation of Lesser, an official of the Automatic Lace and Embroidery Co., to enable the latter company to fold and sew in one operation the edges of circular chevrons, which said latter company had contracted to supply to the Government.

[1] The device was both completed and successfully tested by Winkelmann prior to Lesser's filing date, and therefore, in the absence of any proof by Lesser either that he was in possession of the invention before Winkelmann reduced it to practice or that he disclosed it to Winkelmann, the latter is entitled to the award.

[2] Lesser has furnished no evidence of such prior possession. He has not attempted to prove any disclosure of the invention prior to his alleged disclosure to Winkelmann, and he is not corroborated in this alleged disclosure. His witness Bland does testify that he accompanied Lesser at the time Lesser conferred with Winkelmann, and he saw Lesser make a sketch in his discussion with Winkelmann. It does not appear that the sketch showed the present invention or what it showed. As he did not hear what was said, his testimony is of value only in establishing the fact of the conference, and not in establishing a disclosure of the invention in issue to Winkelmann at that time.

Winkelmann and Lesser are in direct conflict as to this alleged disclosure. They are in agreement as to the conference, but Winkelmann denies that Lesser disclosed the invention to him. The lower tribunals have considered the inherent probabilities of the case and have decided that Lesser made his alleged disclosure to Winkelmann. I am unable to agree with their conclusions. In the first place in order to award priority to Lesser they have found it necessary to discredit the testimony of both Winkelmann and his witness Moran regarding the model introduced in evidence as

Winkelmann's Exhibit 1. The testimony of Winkelmann and Moran is to the effect that Winkelmann constructed this model at home and showed it to Moran before Lesser's first interview with Winkelmann. This interview occurred on Lesser's second visit to the Singer establishment and Moran testifies that he had not seen Exhibit 1 when Lesser came to see him the first time, and this was the reason he did not attempt to make the attachment for Lesser, but that Winkelmann having shown him the model and told him he thought it would do the work, prior to Lesser's subsequent visit, he took Lesser's order on the subsequent visit. This is brought out clearly in Moran's answer to cross-question 67. This testimony is strongly corroborative of Winkelmann's testimony as to the existence of the model prior to Lesser's interview with Winkelmann. Moran is very positive that he would not have taken Lesser's order if he had not previously seen Winkelmann's model.

[3, 4] The model is a crude device, but it does disclose a plate having a curved edge and folding means so arranged relative thereto that the curved edge of the work is folded downwardly instead of upwardly. I see nothing improbable about Winkelmann's alleged work on the model following the previous inquiries of other people for a device which would do this work. It seems natural that a person occupying his position as a skilled mechanic who makes attachments for sewing machines and having had the problem suggested to him should have sought its solution, nor is it strange that he worked upon it at home. His company had taken no orders for the device, and he had not been authorized to spend any of the company's time on it. It is not believed that the testimony of Winkelmann and Moran relative to the model has been discredited or that it should be ignored. The subsequent development of the complete device within a few days after Lesser's first conference with Winkelmann is indicative that Winkelmann had previously given thought to the matter and was therefore able to make a successful attachment in a short time. Of course if Lesser actually disclosed the invention in its perfected form to Winkelmann at his first interview with him Winkelmann probably would have been able to make the device in this short time. But what was Lesser's disclosure to Winkelmann? No one except Lesser and Winkelmann are in position to know, and there may well be an honest difference of opinion between them as to which made the various suggestions to the other.

Perhaps the most persuasive evidence on this point is the sketch made by Lesser when under cross-examination, and his testimony relative thereto. This sketch has been introduced in evidence as Winkelmann's Exhibit 14. This sketch was made in response to X Q. 115. The question and answer read:

X Q. 115. Will you please reproduce for me a sketch similar to the one which you say you made for Mr. Winkelmann on your second visit to the Singer Company's place? A. I simple suggested a round or semi-round plate, which I mark X, laying down, at the time, a round chevron, suggesting to him the needle should strike in the corner of this plate where I have marked Y, which would allow the operator to use that as a guide to turn the article out, as I have designated—I mark with an arrow the direction in which the cloth was to travel. I also told him to put the folder at the place I mark Z.

On redirect examination, question 183 et seq., counsel for Lesser evidently tried to get Lesser to correct his previous testimony relative to the direction of movement of the work, but Lesser's answers do not indicate that he appreciated the fact that the arrow on his sketch was pointed in the wrong direction. It is obvious that the curved edge on the plate X in the sketch must, to function, engage the material before it is sewed. But Lesser has indicated it as engaging the material after it leaves the needle. Even assuming that the work moves in a direction opposite to that indicated by the arrow, the folder Z is not placed where it would cooperate with the curved edge of the plate X to form the fold, but is located beyond the point of sewing in the direction of feed. If the direction of feed is as shown by the arrow, the edge of the material is first folded by the folder alone, without the cooperation of the plate X, and is then sewed, the plate X can function if at all only after the sewing operation, which is subsequent to the folding operation. If the feed is in the reverse direction, the work is fed along the curved edge of the plate to the needle, and following the sewing of the supposedly folded edge said edge is presented to the folder.

[5] If Lesser could not give any better description of the invention than he did at the time of taking testimony, it is not seen how much credence can be given to his uncorroborated testimony of disclosure to Winkelmann. His disclosure on the witness stand is far short of the information possessed by Winkelmann before their conference on the matter, as evidenced by Winkelmann's model, Exhibit 1. To me it seems much more probable that Winkelmann, who was highly skilled in the art, developed the successful attachment from his own ideas rather than from Lesser's suggestions. In any event Lesser has failed to establish the fact that he disclosed the invention to Winkelmann or to any one else prior to Winkelmann's actual reduction to practice.

It is accordingly held that the invention originated with Winkelmann, and not with Lesser.

The decision of the Examiners in Chief is reversed, and priority of invention is awarded to Charles Winkelmann, the junior party.

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EX PARTE MOSKOVITS.

*Decided July 2, 1925.*

1. NOLAN ACT OF MARCH 3, 1921—BENEFITS ACCORDED TO ASSIGNEE.

An assignee can not obtain benefits to which his assignor was not entitled.

2. SAME—CITIZENSHIP.

An applicant who claims citizenship in one country to avoid forfeiture of rights can not obtain the benefit of citizenship in another country under the Nolan Act.

3. SAME—SAME—SHOWING OF.

The benefits of citizenship in a given country should not be granted without a clear showing of such citizenship.

ON PETITION.

YEAST MANUFACTURE.

*Messrs. Warfield & Watson* for the petitioner.

FENNING, *Assistant Commissioner:*

Petitioner requests that the case be remanded to the Primary Examiner with directions that it be accorded the benefit of the Nolan Act and that consideration thereof on the merits be renewed.

In his original oath applicant called himself a citizen of Hungary, but on May 20, 1922, he filed an additional oath executed March 9, 1922, to the effect that under the provisions of the Treaty of Trianon he had become a citizen of Rumania before he executed the original oath.

[1] Citizens of Hungary are entitled to the benefits of the Nolan Act; citizens of Rumania are not, and since the assignee derives his rights from the inventor it follows that if the inventor has no rights, the assignee also has none.

[2] It appears that the applicant filed the new oath in this case in order that he might not forfeit his rights as a Rumanian citizen. Without retracting his oath that he is a Rumanian citizen he now requests the benefits of the Nolan Act, which he can only obtain as a citizen of Hungary. He can not consistently claim the benefit of citizenship in both countries.

[3] The Court of Appeals of the District of Columbia in the case of *Seror and Hoyer* v. *Dick*, 331 O. G. 228, agreed with the Patent Office that Dick's verified representation in his application that he was a citizen of France constituted a prima facie showing of such citizenship which had not been overcome. To the same effect was the decision in the case of *Michelin* v. *Hayes Wheel Co.*, 300 F. R. 458. Without a clear showing we should not grant the benefits of a citizenship on which the courts will rely. Petitioner having sworn that he is a citizen of Rumania, and having had opportunity to correct the error, if any exists, he must abide by the results of his allegation as it stands.

The petition is denied.

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## PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

958,478, W. E. Davey, Process of reenforcing trees, suit filed Sept. 24, 1925, D. C. Minn. (3d Div.), Doc. 785, *The Davey Tree Expert Co.* v. *Wenzel & Thornton (Thornton-Wenzel Tree Expert Co.)*. Same, final consent decree Oct. 7, 1925, injunction granted, D. C., N. D. Ohio (E. Div.), Doc. 1604, *The Davey Tree Expert Co.* v. *H. G. Kile*. Same, consent decree Oct. 8, 1925, enjoining defendant, etc., D. C., E. D. Mich. (S. Div.), Doc. 1146, *The Davey Tree Expert Co.* v. *D. M. Snodgrass.*



1,025,822, W. H. Millspaugh, Paper-making machine, suit filed Sept. 21, 1925, D. C., E. D. Pa., Doc. 3441, *The Guardian Savings & Trust Co. et al.* v. *Downingtown Mfg. Co.*

1,054,219, J. H. Lehman, Electrical switch, appeal filed Sept. 19, 1925, C. C. A. (7th Cir.), Doc. 3657, *Ecco Mfg. Co.* v. *Nelson Timer Co.*

1,069,588, R. J. Steiner, Producing imitation pieced skins, suit filed Oct. 8, 1925, D. C. Conn., Doc. E 1819, *Salt's Textile Mfg. Co.* v. *S. Blumenthal & Co., Inc.*

1,204,658, H. C. Gibson, Wheel, suit filed Sept. 22, 1925, D. C., E. D. Pa., Doc. 3443, *H. C. Gibson* v. *Eastern Rim & Wheel Co.*

1,211,455, Kotter & Colton, Ornamenting surface, suit filed Oct. 2, 1925, D. C., S. D. N. Y., Doc. E 34/7, *Vernart Mfg. Corp.* v. *Beycrle Mfg. Co., Inc.*

1,274,410, A. A. Griswold, Flexible shingle, suit filed Oct. 1, 1925, D. C., W. D. N. Y., Doc. E 869, *A. A. Griswold et al.* v. *Tile Inlaid Roofing Co., Inc.*

1,281,884, M. J. Trumble, Process for converting petroleum oils, 1,484,445, C. P. Dubbs, Method of treating hydrocarbons; 1,525,281, same, Method for treating petroleum; 1,534,927, same, Method for treating hydrocarbon oils; 1,517,830, Egloff & Benner, Carbonaceous fuel, suit filed Sept. 12, 1925, D. C. Del., Doc. E 582, *Universal Oil Products Co.* v. *Skelly Oil Co.*

1,282,439, I. Langmuir, System for amplifying variable currents, filed consent and order of discontinuance Sept. 30, 1925, D. C., S. D. N. Y., Doc. E 25/115. *Radio Corp. of America et al.* v. *Radio Stores Corp.*

1,314,057, H. W. B. Graham, Brick mold, final consent decree sustaining patent, adjudging infringement, and granting injunction Sept. 21, 1925, D. C., S. D. N. Y., Doc. E 28/322, *The Arnold Creager Co.* v. *J. A. Crowell (J. B. Crowell & Son)*; and Doc. E 28/323, *The Arnold Creager Co.* v. *Goodsell & Goodsell (H. R. Goodsell Co.)*; and Doc. E 28/324, *The Arnold Creager Co.* v. *Mentz & Geyer Mould Co.*

1,358,508, C. R. Birdsey, Plaster board, suit filed Sept. 22, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1621, *U. S. Gypsum Co.* v. *The American Gypsum Co.*

1,382,993, C. R. Lott, Means and method for producing charges of molten glass; 1,382,994, same, Method and apparatus for making glass articles; 1,458,834, same, Apparatus for producing charges of molten glass, case dismissed without prejudice Sept. 30, 1925, D. C., S. D. Ohio (E. Div.), Doc. 324, *The Owens Bottle Co.* v. *O. M. Tucker et al.*

1,382,994. (See 1,382,993.)

1,389,440, B. De Mattia, Collapsible core, suit filed Oct. 5, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1625, *De Mattia Bros., Inc.*, v. *The Kuhlke Machine Co.*

1,392,539, C. M. Tipograph, Sweatband, suit filed Sept. 29, 1925, D. C., S. D. N. Y., Doc. E 33/385, *Tipograph Patented Sweat Band Corp.* v. *Ajax Hat Leather Co., Inc.*

1,411,645, Breyer, Croll & Farber, Manufacture of lithopone; 1,411,646, 1,414,793, Singmaster & Breyer, same; 1,411,648, Singmaster, Breyer & Farber, same; 1,446,637, Breyer & Farber, same, suit filed Sept. 15, 1925, D. C. Del., Doc. E 583, *The New Jersey Zinc Co.* v. *E. I. du Pont de Nemours & Co.*

1,411,646. (See 1,411,645.)

1,411,648. (See 1,411,645.)

1,414,793. (See 1,411,645.)

1,446,637. (See 1,411,645.)

1,458,834. (See 1,382,993.)

1,484,445. (See 1,281,884.)

1,489,683, F. B. Allen, Structural material; 1,530,972, same, Wall construction, case dismissed without prejudice Sept. 21, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1433, *F. B. Allen* v. *The Baker Dunbar Co. et al.*

1,491,510, A. E. Bellis, Fused eutectic salt bath; 1,520,744, same, Bath for heat treating metals, suit filed Sept. 26, 1925, D. C. Mass., Doc. E 2482, *The Bellis Heat Treating Co.* v. *Heatbath Corp. et al.*

1,517,830. (See 1,281,884.)

1,518,810, L. A. Morrison, Inductance or tuner, final consent decree sustaining patent and granting injunction Oct. 3, 1925, D. C., S. D. N. Y., Doc. E 31/358, *L. A. Morrison* v. *G. Spiegler et al.*

1,520,744. (See 1,491,510.)

1,523,704, E. C. Morine, Vehicle top, suit filed Sept. 30, 1925, D. C., E. D. Mich. (S. Div.), Doc. 1152, *Weatherproof Body Corp.* v. *Proctor-Keefe Co.*.

1,525,281. (See 1,281,884.)

1,530,972. (See 1,489,683.)

1,534,927. (See 1,281,884.)

1,542,074, W. S. Mayer, Electric ground clamp, suit filed Sept. 24, 1925, D. C., E. D. Pa., Doc. 3447, *W. S. Mayer et al.* v. *G. Lipschutz* (*Globe Metal Mfg. Co.*).

Re. 15,971, W. N. Shrum, Antileak composition, suit filed Aug. 7, 1925, D. C., S. D. Texas (Houston), Doc. E 252, *Modern Chemical Mfg. Co.* v. *Stadtler Auto Supply Co.*

T. M. 188,730, T. M. 200,178, D. A. Bennett, Chemical preparation, suit filed Aug. 14, 1925, D. C., N. D. Ill., (E. Div.), Doc. 5059, *D. A. Bennett* v. *Kling-Gibson Co.*

T. M. 200,178. (See T. M. 188,730.)

## ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,444,045, A. Trosch, Vertical multiple-spindle milling machine, decided October 24, 1925, claims 1, 2, 3, 4, 5, and 10.

Pat. 1,445,610, C. P. Brockway, Adjustable high resistance, decided October 19, 1925, claims 1, 2, 3, 5, and 7.

Pat. 1,504,431, Comins and Armstrong, Humidifier, decided November 11, 1925, claim 1.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 60,150, Cleaning and polishing preparation for wood and metal, O. C. Hassler, Chicago, Ill. Registered January 29, 1907. Decided October 21, 1925.

T. M. 79,566, Gloves, mittens, and fur coats, Ellsworth and Thayer Manufacturing Company, Milwaukee, Wis. Registered September 20, 1910. Decided October 21, 1925.

T. M. 161,126, Fur coats, sheepskin coats and vests, and leather and woolskin lined vests, Ellsworth & Thayer Mfg. Co., Milwaukee, Wis. Registered November 7, 1922. Decided October 21, 1925.

T. M. 193,613, Ladies' sweater coats, Greater Manhattan Knitting Mills, Inc., New York, N. Y. Registered January 6, 1925. Decided October 21, 1925.

## TRADE-MARKS CANCELED.

29,009. Bicycles. The Stoddard Manufacturing Company, Dayton, Ohio. Registered October 13, 1896. Canceled November 11, 1925.

100,416. Vacuum cleaners. Richmond Radiator Company, New York, N. Y. Registered October 20, 1914. Canceled November 11, 1925.

115,576. Universal joints. Arvac Manufacturing Company, Anderson, Ind. Registered February 27, 1917. Canceled November 11, 1925.

120,994. Certain named musical instruments and supplies. Samuel C. Osborn, Chicago, Ill. Registered March 19, 1918. Canceled November 11, 1925.

186,286. Silk piece goods. Bleyer & Weinberg, New York, N. Y. Registered July 8, 1924. Canceled November 11, 1925.

189,470. Bread. Pollack, Weeks Co., Inc., New York, N. Y. Registered September 16, 1924. Canceled September 17, 1925.

193,310. Certain named nonalcoholic beverages, sirups, extracts ,and waters. Coca Cola Bottling Company of Los Angeles, Los Angeles, Calif. Registered December 23, 1924. Canceled November 11, 1925.

193,645. Henna preparations for coloring the hair. High Grade Hair Co., New York, N. Y. Registered January 6, 1925. Canceled November 11, 1925.

194,326. Woolen piece goods. Roubaix Mills, Inc., New York, N. Y., and Clinton, Mass. Registered January 20, 1925. Canceled November 11, 1925.

200,437. Boiler and radiator liquids. Paul J. Scanlon, doing business as Checker Chemical Company, Boston, Mass. Registered June 30, 1925. Canceled November 11, 1925.

# TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 1, 1925.

[VOL. 341. No. 1.]

**The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.**

**Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.**

**As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.**

Ser. No. 175,832. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STRAIT & RICHARDS, INC., Newark, N. J. Filed Feb. 9, 1923.

**GLOLOG**

*Particular description of goods.*—Electrical Heaters of the Log Design.

*Claims use* since about Dec. 1, 1921.

Ser. No. 183,512. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MAXIMILIAN WEIL, doing business as Audak Company, New York, N. Y. Filed July 20, 1923.

TRADE **AUDAK-X** MARK

MADE BY AUDAK CO., NEW YORK

The letter "X" is no part of the trade-mark, but is a type designation. No claim is made to the words "Made by Audak Co., New York," nor to the word "Trade-Mark" apart from the mark shown in the drawings.

*Particular description of goods.*—Phonographs and Mechanical-Phonograph-Record Demonstrating and Testing Apparatus and the Replacement Parts Thereof.

*Claims use* since on or about Apr. 1, 1922.

Ser. No. 184,924. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE VECO MFG. CO., South Norwalk, Conn. Filed Aug. 23, 1923.

VECO

*Particular description of goods.*—Electric Conduit Fittings and Electric Wiring Devices—Namely, Conduit Elbows, Outlet and Junction Boxes; Conduit End Bushings, Lock Nuts, and Split Bushings; Conduit-Pipe Hoods, Conduit Waterproof and Marine Fittings, Vaporproof Lighting Fixtures; Electricity-Grounding Devices, Push Buttons, Porcelain Insulators, Electrical Fuses.

*Claims use* since on or about Sept. 9, 1922.

Ser. No. 186,048. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KING C. DAVIS, Douglas, Ga. Filed Sept. 22, 1923.

The K. C. DAVIS

The portrait appearing upon drawing is that of applicant. No claim is made to the word "Davis" apart from the mark as shown.

*Particular description of goods.*—Remedy for Purifying Blood, Pills for Backache and Gland Trouble, Liniment; Salves for Burns and Sores, Coughs, and Sore Throat, Croup, Colds in the Head and Chest, and Asthma.

*Claims use* since 1907.

Ser. No. 196,688. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BLUE BIRD INC. PERFUMERS, New York, N. Y. Filed May 7, 1924.

*Particular description of goods.*—Nail White, Eyelash Grower, Lip Rouge, Face Rouge, Cuticle Cream, Lemon Pack, Mud Pack, Beauty Builder, Almond Cream, Lemon Cream, Vanishing Cream, Cold Cream, and Nail Polish in Paste and Powder Form.

*Claims use* since about Sept. 4, 1915.

Ser. No. 197,321. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDITH BROWN, New York, N. Y. Filed May 20, 1924.

LITTLE WONDER RADIO

The descriptive word "Radio" is disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Complete Radio Receiving Sets.

*Claims use* since Jan. 10, 1924.

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Ser. No. 201,144. (CLASS 39. CLOTHING.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Aug. 8, 1924.

Cavendish

No claim is made for the name "Cavendish" apart from the display as shown on the drawing.

*Particular description of goods.*—Men's and Boys' Suits and Overcoats.

*Claims use* since about July 1, 1924.

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Ser. No. 201,230. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FORT COMPANY, Gloucester, Mass., assignor to General Seafoods Corporation, Gloucester, Mass. Filed Aug. 11, 1924.

Super

*Particular description of goods.*—Canned Fish.

*Claims use* since June 16, 1924.

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Ser. No. 201,380. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHN STOGDELL STOKES, Summerdale, Philadelphia, Pa. Filed Aug. 13, 1924.

DURAD

*Particular description of goods.*—Molded Radio Articles, Specialties, and Parts Made from Plastics—Namely, Radio Panels, Dials, Control Handles, Supports for Condensers, Variometers, Variotransformers, and Rheostats, Tube Bases, and Sockets.

*Claims use* since June 23, 1924.

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Ser. No. 201,838. (CLASS 38. PRINTS AND PUBLICATIONS.) DOUGH-BOY DOUGH-SAVER SERIES COMPANY, St. Louis, Mo. Filed Aug. 25, 1924.

Dough-Boy-Dough-Saver-Sez!

Trade-mark consists of the words "Dough-Boy-Dough-Saver-Sez."

*Particular description of goods.*—Series of Fanciful Pictures.

*Claims use* since July 1, 1924.

Ser. No. 201,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Aug. 26, 1924.

TIZAWIZZA

Trade-mark consists of the word "Tizza-Wizza."

*Particular description of goods.*—Peanut-Butter Sandwiches.

*Claims use* since Feb. 11, 1924.

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Ser. No. 202,324. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUDD'S, Washington, D. C. Filed Sept. 8, 1924. Under ten-year proviso.

BUDD'S

*Particular description of goods.*—Ice Cream, Cakes, Pastry, and Candy.

*Claims use* since 1877.

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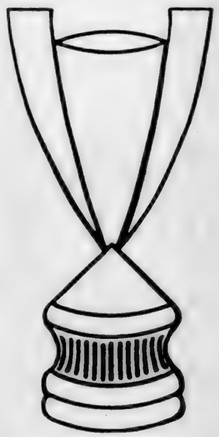
Ser. No. 203,017. (CLASS 39. CLOTHING.) WOODBURY SHOE COMPANY, Beverly, Mass. Filed Sept. 24, 1924.

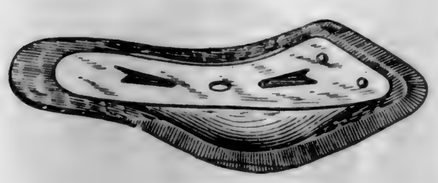


*Particular description of goods.*—Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof.

*Claims use* since Apr. 29, 1924.



Ser. No. 203,191. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) NATHAN NOVELTY MFG. CO., New York, N. Y. Filed Sept. 29, 1924.



The trade-mark consists of a small circle and two arrows symmetrically arranged relative to the circle, one on each side thereof. No claim is made to the representation of an arch support apart from the mark shown in the drawing.

*Particular description of goods.*—Metal Arch Supports.

*Claims use* since about Aug. 25, 1924.

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Ser. No. 203,314. (CLASS 39. CLOTHING.) THE HOMAN-HUGHES COMPANY, Cincinnati, Ohio. Filed Oct. 2, 1924.

Applicant disclaims exclusive right to the use of the phrase "Homan's Health Shoe," the corporate name "The Homan-Hughes Co.," and the word "Cincinnati" except in the particular association in which they appear on the mark.

*Particular description of goods.*—Ladies' Shoes, Slippers, and Boots made from Leather, Fabric, Rubber, or a Combination of Each.

*Claims use* since Oct. 1, 1923.

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Ser. No. 204,088. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLONOL LIMITED, London, England. Filed Oct. 18, 1924.

COLONOL LIQUID PARAFFIN

No claim is made herein to the right to the exclusive use of the words "Liquid Paraffin" apart from the mark as otherwise shown in the drawing.

*Particular description of goods.*—Liquid Paraffin for Medicinal Purposes for Human Use.

*Claims use* since July 16, 1924.

Ser. No. 204,091. (CLASS 39. CLOTHING.) DRYDEN RUBBER COMPANY, Chicago, Ill. Filed Oct. 18, 1924.

VULCREPE

*Particular description of goods.*—Soles for Shoes Composed of Composition Rubber.

*Claims use* since Dec. 22, 1923.

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Ser. No. 205,552. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ROCK ISLAND STOVE CO., Rock Island, Ill. Filed Nov. 19, 1924.

RIVERSIDE

RADIONA

*Particular description of goods.*—Heater for Coal and Wood.

*Claims use* since June, 1924.

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Ser. No. 205,558. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SCHUSTER ELECTRIC COMPANY, Cincinnati, Ohio. Filed Nov. 19, 1924.

SEL-COS

*Particular description of goods.*—Electrical and Radio Supplies—Namely, Friction Tape, Rubber Tape, Flush Switches, Toggle Switches, Sockets, Wiring Receptacles, Conduit Fittings, Curling Irons, Waffle Irons, Electric Sadirons, Electric Air Heaters, Percolators, Electric Fans, Electric Toasters, Rosettes, Switch Plates, Receptacle Plates, Electric Wires, Electric Flexible Conduit, Radio Head Sets, Radiorheostats, Radiosockets, Radio Vacuum-Tube Receiving Sets, Radio Crystal Receiving Sets, Radiodials, Radiojacks, Radioplugs, Radio Kits Consisting of Parts for Receiving Sets, Radio Battery Clips, Radio Battery Chargers, Radioinsulators, Radiocoils, Radiocondensers, Radio Lead-Ins, Radiohorns, Extension Plugs, Electric-Iron Plugs, Electric-Flash-Light Batteries, Electric Flash Lights, Electric Dry Batteries, B Batteries, Storage Batteries, Vacuum Cleaners, Electric Bells, Electric Buzzers, Electric Switch Boxes, Electric Conduit Boxes, Electric Fuses, Electric Safety Switches, Electric Fuse Cut-Outs, Electric Push Buttons.

*Claims use* since Aug. 1, 1924.

Ser. No. 197,321. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDITH BROWN, New York, N. Y. Filed May 20, 1924.

LITTLE WONDER RADIO

The descriptive word "Radio" is disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Complete Radio Receiving Sets.

*Claims use* since Jan. 10, 1924.

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Ser. No. 201,144. (CLASS 39. CLOTHING.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Aug. 8, 1924.

Cavendish

No claim is made for the name "Cavendish" apart from the display as shown on the drawing.

*Particular description of goods.*—Men's and Boys' Suits and Overcoats.

*Claims use* since about July 1, 1924.

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Ser. No. 201,230. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FORT COMPANY, Gloucester, Mass., assignor to General Seafoods Corporation, Gloucester, Mass. Filed Aug. 11, 1924.

Super

*Particular description of goods.*—Canned Fish.

*Claims use* since June 16, 1924.

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Ser. No. 201,380. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHN STOODELL STOKES, Summerdale, Philadelphia, Pa. Filed Aug. 13, 1924.

DURAD

*Particular description of goods.*—Molded Radio Articles, Specialties, and Parts Made from Plastics—Namely, Radio Panels, Dials, Control Handles, Supports for Condensers, Variometers, Variotransformers, and Rheostats, Tube Bases, and Sockets.

*Claims use* since June 23, 1924.

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Ser. No. 201,838. (CLASS 38. PRINTS AND PUBLICATIONS.) DOUGH-BOY DOUGH-SAVER SERIES COMPANY, St. Louis, Mo. Filed Aug. 25, 1924.

Dough-Boy-Dough-Saver-Ser!

Trade-mark consists of the words "Dough-Boy-Dough-Saver-Ser."

*Particular description of goods.*—Series of Fanciful Pictures.

*Claims use* since July 1, 1924.

Ser. No. 201,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Aug. 26, 1924.

TIZAWIZZA

Trade-mark consists of the word "Tizza-Wizza."

*Particular description of goods.*—Peanut-Butter Sandwiches.

*Claims use* since Feb. 11, 1924.

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Ser. No. 202,324. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUDD'S, Washington, D. C. Filed Sept. 8, 1924. Under ten-year proviso.

BUDD'S

*Particular description of goods.*—Ice Cream, Cakes, Pastry, and Candy.

*Claims use* since 1877.

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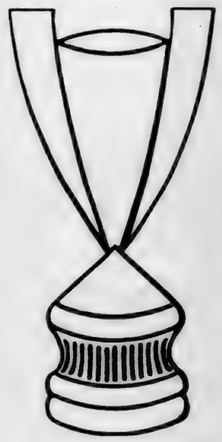
Ser. No. 203,017. (CLASS 39. CLOTHING.) WOODBURY SHOE COMPANY, Beverly, Mass. Filed Sept. 24, 1924.

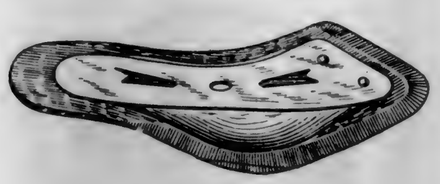


*Particular description of goods.*—Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof.

*Claims use* since Apr. 29, 1924.



Ser. No. 203,191. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) NATHAN NOVELTY MFG. CO., New York, N. Y. Filed Sept. 29, 1924.



The trade-mark consists of a small circle and two arrows symmetrically arranged relative to the circle, one on each side thereof. No claim is made to the representation of an arch support apart from the mark shown in the drawing.

*Particular description of goods.*—Metal Arch Supports.

*Claims use* since about Aug. 25, 1924.

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Ser. No. 203,314. (CLASS 39. CLOTHING.) THE HOMAN-HUGHES COMPANY, Cincinnati, Ohio. Filed Oct. 2, 1924.

Applicant disclaims exclusive right to the use of the phrase "Homan's Health Shoe," the corporate name "The Homan-Hughes Co.," and the word "Cincinnati" except in the particular association in which they appear on the mark.

*Particular description of goods.*—Ladies' Shoes, Slippers, and Boots made from Leather, Fabric, Rubber, or a Combination of Each.

*Claims use* since Oct. 1, 1923.

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Ser. No. 204,088. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLONOL LIMITED, London, England. Filed Oct. 18, 1924.

COLONOL LIQUID PARAFFIN

No claim is made herein to the right to the exclusive use of the words "Liquid Paraffin" apart from the mark as otherwise shown in the drawing.

*Particular description of goods.*—Liquid Paraffin for Medicinal Purposes for Human Use.

*Claims use* since July 16, 1924.

Ser. No. 204,091. (CLASS 39. CLOTHING.) DRYDEN RUBBER COMPANY, Chicago, Ill. Filed Oct. 18, 1924.

VULCREPE

*Particular description of goods.*—Soles for Shoes Composed of Composition Rubber.

*Claims use* since Dec. 22, 1923.

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Ser. No. 205,552. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ROCK ISLAND STOVE CO., Rock Island, Ill. Filed Nov. 19, 1924.

RIVERSIDE

RADIONA

*Particular description of goods.*—Heater for Coal and Wood.

*Claims use* since June, 1924.

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Ser. No. 205,558. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SCHUSTER ELECTRIC COMPANY, Cincinnati, Ohio. Filed Nov. 19, 1924.

SEL-COS

*Particular description of goods.*—Electrical and Radio Supplies—Namely, Friction Tape, Rubber Tape, Flush Switches, Toggle Switches, Sockets, Wiring Receptacles, Conduit Fittings, Curling Irons, Waffle Irons, Electric Sadirons, Electric Air Heaters, Percolators, Electric Fans, Electric Toasters, Rosettes, Switch Plates, Receptacle Plates, Electric Wires, Electric Flexible Conduit, Radio Head Sets, Radiorheostats, Radiosockets, Radio Vacuum-Tube Receiving Sets, Radio Crystal Receiving Sets, Radiodials, Radiojacks, Radioplugs, Radio Kits Consisting of Parts for Receiving Sets, Radio Battery Clips, Radio Battery Chargers, Radioinsulators, Radiocoils, Radiocondensers, Radio Lead-Ins, Radioborns, Extension Plugs, Electric-Iron Plugs, Electric-Flash-Light Batteries, Electric Flash Lights, Electric Dry Batteries, B Batteries, Storage Batteries, Vacuum Cleaners, Electric Bells, Electric Buzzers, Electric Switch Boxes, Electric Conduit Boxes, Electric Fuses, Electric Safety Switches, Electric Fuse Cut-Outs, Electric Push Buttons.

*Claims use* since Aug. 1, 1924.

Ser. No. 205,892. (CLASS 39. CLOTHING.) SOLIDSILK HOSIERY CO. INC., New York, N. Y. Filed Nov. 26, 1924.

Applicant disclaims exclusive right to the pictorial representation of the goods except in the arrangement and association shown in the mark. The use of all wording is disclaimed.

*Particular description of goods.*—Hosiery.

*Claims use* since Nov. 1, 1924.

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Ser. No. 206,352. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HILLCREST SILK MILLS, West New York, N. J., and New York, N. Y. Filed Dec. 6, 1924.

"SERVISATIN"

Trade-mark consists of the word "Servisatin."

*Particular description of goods.*—Goods in the Piece—viz, Silk, Cotton, and Artificial-Silk Fabrics and Mixtures of the Same.

*Claims use* since Nov. 22, 1924.

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Ser. No. 207,181. (CLASS 39. CLOTHING.) EDW. J. DONAHUE, Chicago, Ill. Filed Dec. 24, 1924.

No claim is made to the word "Shoes" nor to the name "Donahue" apart from the mark shown in the drawing.

*Particular description of goods.*—Shoes Made of Leather Only.

*Claims use* since Aug. 4, 1924.

Ser. No. 207,905. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Jan. 9, 1925.

The trade-mark is a portrait of J. R. Watkins (deceased).

*Particular description of goods.*—Face Creams, Antiseptic Healing Powder, Blood and Skin Tonic, Catarrh Tablets, Chill Tonic, Compound Mustard Ointment, Cough Balsam, Cough Medicine, Cream-of-Camphor Liniment, Female Tonic, Laxative Cold and Grip Tablets, Laxative Sirup, Laxative Wafers, Liniments; Ointments Suitable for the Treatment of Colds, Influenza, Croup, Sore Throat, Chilblains, Chapped Hands and Face, Insect Bites, Catarrh, Neuralgia, Cold Sores, Burns, Rheumatic Pains, Headache, Stiff Neck, Congestion, Sprains, Sore Muscles, Bruises, Sore Joints, Spasmodic Croup, Lumbago, Pains and Aches of the Back, and Intestinal Colic; and Liniments Containing Menthol and Camphor, Root and Herb for the Production of Tea Having Tonic Effects, Sarsaparilla, Skin Ointment, Veterinary Lotion, Veterinary Ointment, Fly Spray, Insecticides, Stock Dip, Stock Tonic, Barb-Wire Embrocation, and Pain Oils.

*Claims use* since Jan. 11, 1894.

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Ser. No. 208,062. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDRIES MIJNHARDT, Utrechtscheweg, Zeist, Netherlands. Filed Jan. 13, 1925.

SPRUTOL

*Particular description of goods.*—Preparation for the Treatment of Freckles and the Like.

*Claims use* since Mar. 1, 1910.

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Ser. No. 208,063. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDRIES MIJNHARDT, Utrechtscheweg, Zeist, Netherlands. Filed Jan. 13, 1925.

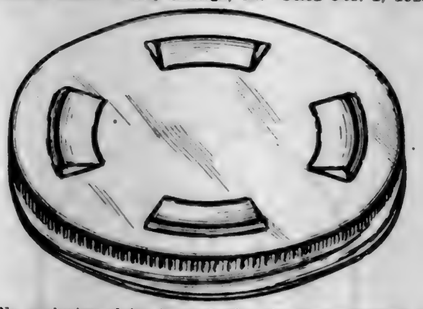
SANAPIRIN

*Particular description of goods.*—Medicines for the Treatment of Toothache, Facial Neuralgia, Headache, Neuralgia, Influenza, Grippe, Gout, Rheumatism, Cold, and After Effects.

*Claims use* since Nov. 15, 1914.



Ser. No. 208,944. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ADAMS BROS. & CO., Chicago, Ill. Filed Feb. 2, 1925.



No exclusive claim is made for the representation to the cap except as it may be used in connection with the trade-mark, which consists essentially of the four spaced bumps.

*Particular description of goods.*—Jar Caps.

*Claims use* since July 27, 1922.

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Ser. No. 209,445. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE VINCENT BROS. CO., Bridgeport, Conn. Filed Feb. 11, 1925.

The drawing is lined to indicate the color red. No claim is made to the word "Cuba" apart from the mark shown in the drawing.

*Particular description of goods.*—Coffee.

*Claims use* since September, 1923.

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Ser. No. 210,449. (CLASS 39. CLOTHING.) HARRY J. DUDLEY, Cincinnati, Ohio. Filed Mar. 3, 1925.

No claim is made to the exclusive right to the use of the words "Dudley's Step Ezee Shoe" except in the particular arrangement and association shown in the mark as it appears in the drawing.

*Particular description of goods.*—Shoes Constructed of Leather, Rubber, and Fabric.

*Claims use* since May 1, 1919.

Ser. No. 210,658. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. H. GREBE & CO., INC., Richmond Hill, N. Y. Filed Mar. 7, 1925.

S-L-F

*Particular description of goods.*—Variable Condensers.

*Claims use* since Rug. 14, 1924.

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Ser. No. 212,405. (CLASS 39. CLOTHING.) SOCIÉTÉ WORTH, Paris, France. Filed Apr. 8, 1925.

*Particular description of goods.*—Cloaks, Jackets; Tailored Cloaks, Gowns, and Suits for Women; Blouses, Capes, Fur Cloaks, Fur Coats, Chockers, Fur Stoles, Fur Scarfs, Muffs, Pyjamas, Gowns, Scarfs, Sashes; Silk, Woolen, or Cotton Hosiery and Combinations Thereof; Leather or Fabric Gloves or Combinations Thereof, Dresses, Coats for Women, and Shawls.

*Claims use* since Mar. 10, 1924.

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Ser. No. 212,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OLUF VOLMER POULSEN, doing business as A. H. Riise Apothecary, St. Thomas, Virgin Island. Filed Apr. 9, 1925.

All wording appearing on the drawing with the exception of the word "Bay" are disclaimed apart from the mark shown on the drawing.

*Particular description of goods.*—Face Tonic.

*Claims use* since Apr. 1, 1925.

Ser. No. 212,702. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRED SWAIN, doing business as Standard Auto Products Company, Ohio, Ill. Filed Apr. 14, 1925.

Grate-Stuf

*Particular description of goods.*—Auto Top Dressing and Valve-Grinding Compound.
*Claims use* since July 1, 1924.

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Ser. No. 212,741. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK LIBERTO & Co., San Antonio, Tex. Filed Apr. 15, 1925.

OUR CITY

*Particular description of goods.*—Coffee, Tea, Spices, Flavoring Extracts for Foods, Peanut Butter, Chili Powder, Cottonseed Oil, Olive Oil, Prepared Mustard, Roasted and Shelled Peanuts, and Vinegar.
*Claims use* since about Oct. 16, 1924.

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Ser. No. 212,921. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GLOBE DAIRY LUNCH CO. INC., Los Angeles, Calif. Filed Apr. 18, 1925.

The word "Globe" as unregistrable per se is hereby disclaimed apart from the other features of the mark as shown in the drawing.
*Particular description of goods.*—Ice Cream, Pies, Cakes, Doughnuts, Sandwiches, and Delicatessen Foods—Namely, Fruit Salads, Vegetable Salads, Cooked Vegetables, and Cooked Meats—i. e., Boiled Hams, Tongues, and Sausages.
*Claims use* since January, 1924.

Ser. No. 212,923. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HART & HEGEMAN MANUFACTURING COMPANY, Hartford, Conn. Filed Apr. 18, 1925.

No claim is made to the words "Detachable Golden Tassel Pull Sockets" or the specific form of chain apart from the mark as shown.
*Particular description of goods.*—Electric Pull Sockets.
*Claims use* since Mar. 9, 1925.

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Ser. No. 213,383. (CLASS 39. CLOTHING.) LITTLE PRINCESS HEADWEAR CO., New York, N. Y. Filed Apr. 27, 1925.

The picture is fanciful. No claim is made to the representation of the goods apart from the mark shown on the drawing.
*Particular description of goods.*—Infants' and Children's Hats, Bonnets, and Caps.
*Claims use* since Mar. 31, 1925.



Ser. No. 213,435. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) IRVING FLORMAN, New York, N. Y. Filed Apr. 28, 1925.

Spring Puttees

No claim is made to the word "Spring" the representation of the hand, the spring, and the puttee apart from the mark shown in the drawing.
*Particular description of goods.*—Wrapping for Vehicle Springs.
*Claims use* since Sept. 24, 1921.

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Ser. No. 213,600. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TINSEL CORPORATION OF AMERICA, Brooklyn, N. Y. Filed Apr. 30, 1925.

Santalites
A RAINBOW ON YOUR CHRISTMAS TREE

*Particular description of goods.*—Electric Christmas-Tree Outfits Consisting of Electric Lamps and Their Mountings, Electric Christmas-Tree Lamps, and Electrical Lighting Ornaments.
*Claims use* since Feb. 1, 1925.

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Ser. No. 213,625. (CLASS 38. PRINTS AND PUBLICATIONS.) DICKIE-RAYMOND, Boston, Mass. Filed May 1, 1925.

Direct Results

Trade-mark consists in the words "Direct Results".
*Particular description of goods.*—House Organ Published Monthly.
*Claims use* since January, 1924.

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Ser. No. 213,789. (CLASS 39. CLOTHING.) THE LE RAE HAT CO., St. Louis, Mo. Filed May 4, 1925.

LeRae

*Particular description of goods.*—Ladies' Hats.
*Claims use* since about May 1, 1922.

Ser. No. 213,890. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J. Filed May 6, 1925.

Applicant makes no claim to the exclusive right to the use of the representation of a carton appearing on drawing or to any of the words displayed upon said trade-mark, including "Grip", other than "Colgate's, Colgate & Co." and the combined words "Handy Grip", apart from the mark shown.
*Particular description of goods.*—Shaving Soap and Shaving Sticks.
*Claims use* since Aug. 15, 1916.

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Ser. No. 214,344. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WHITNEY MFG. CO., Whitney, S. C. Filed May 14, 1925. Under ten-year proviso.

LORETTE
MILLS

*Particular description of goods.*—Cotton Piece Goods—Viz, Sheetings.
*Claims use* since 1890.

Ser. No. 214,440. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PONCHATOULA FARM BUREAU ASSOCIATION, Ponchatoula, La. Filed May 16, 1925.

The pictorial representation of the goods and the term "Brand" are disclaimed apart from the other features of the mark shown.

*Particular description of goods.*—Strawberries in Their Natural State.

*Claims use* since Mar. 15, 1924.

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Ser. No. 214,796. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed May 23, 1925.

ROUGE MAJESTUEUX

No claim is made to the word "Rouge" apart from the mark shown in the drawing.

*Particular description of goods.*—Rouges.

*Claims use* since May 14, 1925.

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Ser. No. 214,798. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) GEORGE EVANS KENT, Toronto, Ontario, Canada. Filed May 23, 1925.

*Particular description of goods.*—Match Strikers Consisting of a Strip of Abrasive Material Inserted Beneath the Undercut Edges of an Open-Ended Groove Formed in the Stem of the Pipe, the End of the Groove Being Closed by the Mouthpiece in its Inserted Position.

*Claims use* since May 1, 1925.

Ser. No. 215,006. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GHOSN GHOSN, doing business as G. Ghosn Canning Co., Mossyrock, Ajlune, and Salkum, Wash. Filed May 28, 1925.

No claim is made herein to the word "Brand" and the words "Healthful Pure Food" apart from the other features of the mark.

*Particular description of goods.*—Canned Fruits.

*Claims use* since Oct. 15, 1923.

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Ser. No. 215,081. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. J. MCNALLY, Waco, Tex. Filed May 29, 1925.

No claim is made to the words "Hair Dressing" apart from the mark shown. The trade-mark consists of the pictures of applicant, Mrs. J. McNally, and her child, with their hair flowing, set in a frame, and under this picture is printed "Shwegoo Hair Dressing."

*Particular description of goods.*—Hairdressing.

*Claims use* since Aug. 6, 1919.



Ser. No. 215,166. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE NAPIER CO., New York, N. Y. Filed June 1, 1925.

The Dolly Madison Bracelet

No claim is made to the exclusive use of the word "Bracelet" apart from the mark shown.

*Particular description of goods.*—Jewelry, and More Particularly Bracelets.

*Claims use* since February, 1924.

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Ser. No. 215,195. (CLASS 39. CLOTHING.) Y. & B. HOSIERY MILLS, Reading, Pa. Filed June 1, 1925.

The word "Dresden" and the word "Hose" do not form a part of the mark sought to be registered separate and distinct from the mark shown in the drawing.

*Particular description of goods.*—Men's, Women's, and Children's Hosiery.

*Claims use* since Sept. 6, 1924.

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Ser. No. 215,233. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed June 3, 1925.

TUDOR

*Particular description of goods.*—Collars.

*Claims use* since January, 1923.

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Ser. No. 215,268. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PURITAN PHARMACEUTICAL COMPANY, St. Louis, Mo. Filed June 3, 1925.

FLORAZELLE

*Particular description of goods.*—Face Powder, Cold Cream, Liquid Powder, Vanishing Cream, Lemon Cream, Witch-Hazel Cream, Peroxide Cream, Tissue Cream, Compact Rouge, Powdered Rouge, Liquid Rouge, Talcum Powder, Lip Rouge, Face Lotion, Hand Lotion, Shaving Lotion, Shampoo, Lilac Vegetal.

*Claims use* since July 24, 1924.

Ser. No. 216,061. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) I. MILLER & SONS, INC., Long Island City, N. Y. Filed June 19, 1925.

MILLERWYTE

*Particular description of goods.*—Shoe Dressing.

*Claims use* since Nov. 12, 1917.

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Ser. No. 216,094. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CARL FISCHER INC., New York, N. Y. Filed June 20, 1925.

Akadémie

*Particular description of goods.*—Musical Instruments—Viz, Clarinets, Saxophones, Oboes, Bassoons, Sarrussophones, and Reeds for the Said Named Instruments.

*Claims use* since June 16, 1925.

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Ser. No. 216,231. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RALPH M. SITTERLEY, New York, N. Y. Filed June 22, 1925.

PGREONTEERCATLO

No claim is made to "General" apart from the mark shown on the drawing. The lining of drawing is intended to represent shading, and not coloring.

*Particular description of goods.*—Ready-Mixed Paint for Roofs, Wood, Metal Structural Work, and for Protecting and Covering Cement and Stone Foundation Work; Plastic or Heavy Paint for Repairing Badly-Worn Roofs, Leaking Joints, and Cornices, and Also for Covering Floors, and a Rust Preventive to Apply to Metal Products to Protect the Same From Rust and Corrosion.

*Claims use* since Jan. 1, 1925.

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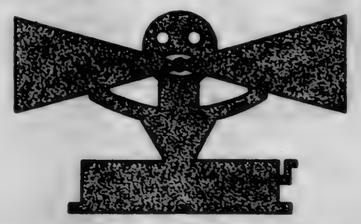
Ser. No. 216,286. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) POLYPHONWERKE AKTIENGESELLSCHAFT, Berlin, Germany. Filed June 23, 1925.



*Particular description of goods.*—Radio Apparatus—Namely, Transmitters, Loud Speakers, Head Phones, Batteries, Antennæ, Regulating Coils, and Vacuum Tubes.

*Claims use* since July 4, 1924.

Ser. No. 216,384. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FIRCH BAKING COMPANY, INC., Erie, Pa. Filed June 25, 1925.

The word "Bread" is disclaimed apart from the mark.
*Particular description of goods.*—Bread.
*Claims use* since Apr. 16, 1925.

Ser. No. 216,437. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIMPSON, ROBERTS & CO. LTD., Halifax, Nova Scotia, Canada. Filed June 25, 1925.

ENCORE

Trade-mark consists of the word "Encore."
*Particular description of goods.*—Canned Lobsters and Lobsters in Hermetically-Sealed Packages and Salmon.
*Claims use* since August, 1902.

Ser. No. 217,057. (CLASS 39. CLOTHING.) MILTON WAISS, San Francisco, Calif. Filed July 8, 1925.

Applicant disclaims exclusive right to the pictorial representation of the shoe, shown on the drawing unless used in conjunction with the mark.
*Particular description of goods.*—High and Low Shoes and Boots Made from Leather and Leather Composition.
*Claims use* since 1918.

Ser. No. 217,147. (CLASS 39. CLOTHING.) EDWARD GOLDBURG, Eagle Pass, Tex. Filed July 10, 1925.

The lining appearing on the drawing is for shading only.
*Particular description of goods.*—Men's, Women's, and Children's Leather Shoes.
*Claims use* since Jan. 1, 1920.

Ser. No. 217,287. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE NITE-EYE LIGHT CORPORATION, Denver, Colo. Filed July 13, 1925.

NITE EYE

*Particular description of goods.*—Reflectors for Electric Headlights.
*Claims use* since about Apr. 28, 1924.

Ser. No. 217,316. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SYLVAN ZACHARIA, doing business as The Enjoystep Products, Long Island City, N. Y. Filed July 13, 1925.

ENJOYSTEP

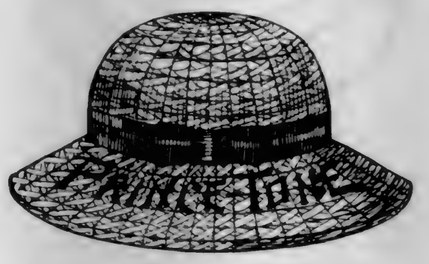
*Particular description of goods.*—Medicinal Compounds for the Treatment of Corns and Calli, Bunions, Chilblains, Frostbite, Swollen Feet, Burning Feet, Sore Feet, Tired Feet, Perspiring Feet, and Ingrowing Nail.
*Claims use* since June 16, 1925.



Ser. No. 217,430. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TUCKER & GOODWIN, INC., Hartford, Conn. Filed July 15, 1925.

The word "Brand" is disclaimed apart from the mark as shown in the drawing.
*Particular description of goods.*—Canned Peaches, Canned Beets, Canned Squash, Canned Tomatoes, and Canned Spinach.
*Claims use* since June 11, 1925.

Ser. No. 217,499. (CLASS 39. CLOTHING.) BINGHAM & CO., New York, N. Y. Filed July 17, 1925.



No claim is made to the exclusive use of the representation of the hat apart from the mark shown on the drawing, the lines appearing on said mark being intended for purposes of shading only.
*Particular description of goods.*—Straw Hats for Men.
*Claims use* since July 2, 1925.

Ser. No. 217,525. (CLASS 37. PAPER AND STATIONERY.) NASHUA GUMMED & COATED PAPER COMPANY, Nashua, N. H. Filed July 17, 1925.

itstix

*Particular description of goods.*—Gummed Paper Tape.
*Claims use* since about July 1, 1925.

Ser. No. 217,552. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif. Filed July 18, 1925.

BLUE WING

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
*Claims use* since Jan. 7, 1925.

Ser. No. 217,628. (CLASS 39. CLOTHING.) THE LELAND CORPORATION, Boston, Mass. Filed July 20, 1925.

VRENZ

Trade-mark consists of the word "Vrenz."
*Particular description of goods.*—Knickers, Bloomers, Princess Slips, Chemises, Nightgowns, Vests, Step-Ins, and Union Suits of Knitted Fabric Made of Silk, Cotton, Muslin, Artificial Silk, or Combinations Thereof.
*Claims use* since July 31, 1924.

Ser. No. 217,671. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DELTON & PASHEN, New York, N. Y. Filed July 21, 1925.

DE-L-PA

*Particular description of goods.*—Vegetable Dressing for Salads, Sandwiches, Hot or Cold Meats, and Fish.
*Claims use* since July 3, 1925.

Ser. No. 217,907. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) VICTOR X-RAY CORPORATION, Chicago, Ill. Filed July 25, 1925.

XRP

*Particular description of goods.*—X-Ray Protective Devices and Materials—Namely, Lead, Glass, Sheet Lead, Lead Rubber, and Other Substances Having High X-Ray Absorption Made Especially for X-Ray Use, and Gloves of Rubber or Other Material Having a High Percentum of Lead as a Constituent Thereof for Protection Against X-Rays.
*Claims use* since May 1, 1925.

Ser. No. 217,930. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY GLASS & CO., New York, N. Y. Filed July 27, 1925.

GAEL

Trade-mark consists of the word "Gael."
*Particular description of goods.*—Cotton Piece Goods, Combination of Silk and Cotton Piece Goods.
*Claims use* since July 16, 1925.

Ser. No. 217,938. (CLASS 15. OILS AND GREASES.) MARTIN COUNTY CO-OP. OIL COMPANY, Triumph, Minn. Filed July 27, 1925.

**SUPREME**

*Particular description of goods.*—Gasoline, Lubricating Oils and Greases.
*Claims use* since Dec. 22, 1924.

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Ser. No. 217,977. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFRED L. WOODILL, Riverside, Calif. Filed July 27, 1925.

**PARENT TREE**

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
*Claims use* since 1915.

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Ser. No. 218,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOOPESTON CANNING CO., Hoopeston, Ill. Filed July 31, 1925.

**LITTLE CHIEF**

*Particular description of goods.*—Canned Vegetables—Namely, Canned Corn.
*Claims use* since June 30, 1910.

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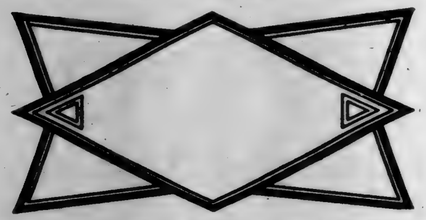
Ser. No. 218,215. (CLASS 32. FURNITURE AND UPHOLSTERY.) O. SIMMS MANUFACTURING CO., New York, N. Y. Filed July 31, 1925.



*Particular description of goods.*—Piano Benches, Bench and Seat Cushions, Roll Cabinets, and Radiocabinets.
*Claims use* since Jan. 1, 1923.

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Ser. No. 218,217. (CLASS 32. FURNITURE AND UPHOLSTERY.) O. SIMMS MANUFACTURING CO., New York, N. Y. Filed July 31, 1925.

**OSCO**

The trade-mark consists of the word "Osco."
*Particular description of goods.*—Piano Benches, Bench and Seat Cushions, Roll Cabinets, and Radiocabinets.
*Claims use* since Jan. 1, 1923.

Ser. No. 218,321. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) O'MY BOTTLING SYRUP CO., also doing business as The O—My Bottling Co., Los Angeles, Calif. Filed Aug. 3, 1925.

**RIVER SHANNON**

*Particular description of goods.*—Nonalcoholic, Maltless Beverage Used as a Soft Drink and Extracts and Sirups for Making the Same.
*Claims use* since April, 1925.

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Ser. No. 218,398. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GILBERT J. EASTON, INC., Newark, N. J. Filed Aug. 5, 1925.

No rights are claimed for the word "Easton's" apart from the mark.
*Particular description of goods.*—Mayonnaise and Thousand Island Dressings.
*Claims use* since Apr. 8, 1919.

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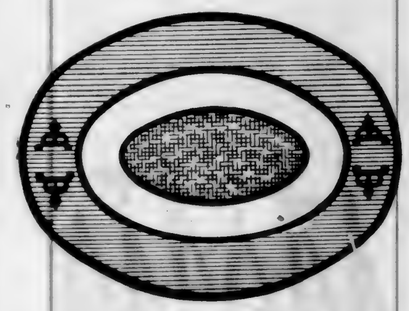
Ser. No. 218,399. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GILBERT J. EASTON, INC., Newark, N. J. Filed Aug. 5, 1925.



The lines on the drawings indicate the colors blue and yellow.
*Particular description of goods.*—Mayonnaise and Thousand Island Dressings.
*Claims use* since Apr. 8, 1919.



Ser. No. 218,446. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BING WERKE VORM. GEBRÜDER BING A. G., Nuremberg, Germany. Filed Aug. 7, 1925.

**"PIGMYPHONE"**

*Particular description of goods.*—Phonographs and Talking Machines.
*Claims use* since February, 1924.

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Ser. No. 218,481. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOODALL WORSTED CO., Sanford, Me. Filed Aug. 6, 1925.

**DARADO**

*Particular description of goods.*—Mohair Piece Goods and Piece Goods of Combinations of Cotton, Wool, Mohair, Alpaca, Camel's Hair, Silk, and Artificial Silk.
*Claims use* since July 1, 1925.

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Ser. No. 218,622. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 10, 1925.

**ADMIRATION**

*Particular description of goods.*—Cotton Voile in the Piece.
*Claims use* since Mar. 18, 1918.

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Ser. No. 218,625. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 10, 1925.

**MILO**

*Particular description of goods.*—Cotton Voile in the Piece.
*Claims use* since Apr. 25, 1924.

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Ser. No. 218,634. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GREEN MANUFACTURING CO., San Francisco, Calif. Filed Aug. 10, 1925.

The name "Fred J. Piper Ph. G." appearing on the drawing is a facsimile of the signature of a member of the firm. The word "Piper's" does not form a part of the mark sought to be registered apart from the mark shown in the drawing.
*Particular description of goods.*—Reducing Cream.
*Claims use* since August, 1924.

Ser. No. 218,654. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CHARLES MEISTER'S SONS, Philadelphia, Pa. Filed Aug. 10, 1925.

No claim is made to the name of the applicant, the local address, the words "Meister Made," and the representation of the spectacles apart from the mark as shown.
*Particular description of goods.*—Spectacles, Eyeglasses, Spectacle Lenses, and Eyeglass Lenses.
*Claims use* since July 2, 1925.

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Ser. No. 218,699. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK W. A. HAIN, doing business as Reo Chemical Co., Newark, N. J. Filed Aug. 11, 1925.

No claim is made to the words "Kod for Koughs" apart from the mark as shown in the drawing.
*Particular description of goods.*—Cough Medicines.
*Claims use* since Mar. 1, 1925.

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Ser. No. 218,713. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MITCHELL WHOLESALE GROCERY & FRUIT COMPANY, Mitchell, S. Dak. Filed Aug. 11, 1925.

**Breakfast Club**

Trade-mark consists in the words "Breakfast Club."
*Particular description of goods.*—Coffee, Table Sirups, Breakfast Cereals, and Food-Flavoring Extracts.
*Claims use* since May 1, 1920.

Ser. No. 218,757. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HISCOX CHEMICAL WORKS, Patchogue, N. Y. Filed Aug. 12, 1925.

**GLYCOLEN**

*Particular description of goods.*—Toilet Preparation Used As a Liquid Soap for Shampooing the Hair and Bathing Purposes.

*Claims use* since about Dec. 30, 1913.

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Ser. No. 218,790. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. A. BROMUND CO., New York, N. Y. Filed Aug. 13, 1925.

**SNOWFLAKE**

*Particular description of goods.*—Beeswax, Spermaceti, and Ceresin.

*Claims use* since Oct. 1, 1907.

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Ser. No. 218,917. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. S. HERRMANN, INC., New York, N. Y. Filed Aug. 15, 1925.

RASCHKOWITZ

The word "Raschkowitz" is disclaimed apart from the mark as shown.

*Particular description of goods.*—Textiles of Silk, Linen, Wool, and Ramie and Mixtures Thereof; Tablecloths, Sheets, Pillowcases of Linen, Cotton, and Mixtures Thereof.

*Claims use* since March, 1925.

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Ser. No. 218,964. (CLASS 39. CLOTHING.) GONZALEZ BROS. & Co., New York, N. Y. Filed Aug. 17, 1925.

TROPICAL

*Particular description of goods.*—Men's, Women's, and Children's Hosiery.

*Claims use* since 1922.

Ser. No. 218,969. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MAX HEINRICH WILHELM HÖDING, Hamburg, Germany. Filed Aug. 17, 1925.

**Manganesite**

*Particular description of goods.*—Packing Material for Steam, Water, and Gas Joints.

*Claims use* since Mar. 15, 1896.

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Ser. No. 218,995. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORANGE HEIGHTS FRUIT ASSOCIATION, Corona, Calif. Filed Aug. 17, 1925.

INTEGRITY

*Particular description of goods.*—Oranges, Lemons, and Grapefruit.

*Claims use* since 1920.

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Ser. No. 218,997. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORANGE HEIGHTS FRUIT ASSOCIATION, Corona, Calif. Filed Aug. 17, 1925.

SINCERITY

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

*Claims use* since 1920.

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Ser. No. 219,074. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KALI MANUFACTURING CO., Philadelphia, Pa. Filed Aug. 19, 1925.

Solivol

*Particular description of goods.*—Oils, Compound of Oils and Vegetable and Mineral Oils. These oils are designed for use in textile mills for softening and smoothing threads or yarns of silk, artificial silk, cotton, and wool and fabrics composed of such threads or yarns or mixture of the same.

*Claims use* since on or about July, 1924.

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Ser. No. 219,089. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) ROYAL IMPORTING COMPANY, New York, N. Y. Filed Aug. 19, 1925.

"DUROSILK"

*Particular description of goods.*—Thread, Including the Needle for Stringing and Sewing All Kinds of Beads.

*Claims use* since Jan. 2, 1924.



Ser. No. 219,100. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) T. B. WOOD'S SONS CO., Chambersburg, Pa. Filed Aug. 19, 1925.

UNIVERSAL GIANT

*Particular description of goods.*—Power-Transmission Appliances—That is, Bearings, Base Plates, Belt Shifting Appliances, Base Tighteners, Binder Frames, Brackets, Bracket Hangers, Bushings, Clamps, Countershafts, Couplings, Flat Boxes, Floor Stands, Clutches, Guide Pulleys, Hangers, Journal Boxes, Jaw Clutches, Mule-Pulley Stands, Oil Cups, Pillow Blocks, Post Boxes, Pulleys, Quill Drives, Rope Transmission, Set Collars, Shafting, Shifters, Sleeves for Fire Walls, Tension Carriages, Wall Brackets, Wall Frames, Yokes and Fulcrums, and Automatic Belt Contactors for Short Center Belt Drives.

*Claims use* since Mar. 30, 1903.

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Ser. No. 219,190. (CLASS 39. CLOTHING.) THE KREEGER STORE, INCORPORATED, New Orleans, La. Filed Aug. 21, 1925.

Frat Girl

*Particular description of goods.*—Women's and Misses' Apparel—Namely, Suits, Coats, Capes, Jackets, Frocks, Ensemble Costumes, Gowns, Dresses, Dress Skirts, Dress Blouses, Sport Skirts, Sport Blouses, Knickers, Sweaters, Underwear of Knitted and Textile Fabrics, Corsets, Brassières, Negligees; Neckwear Consisting of Collars and Cuffs, Plaiting, Ruching, Ruffling, Windsor Ties, Fichus, Jabots; Gloves (Kid, Silk, Chamois, Chamoisette, Fabric); Hosiery (Silk, Lisle, Cotton, and Wool); Boots and Shoes (Leather, Fabrics, and Combinations Thereof); and Hats.

*Claims use* since Aug. 1, 1925.

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Ser. No. 219,192. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. & O. MANUFACTURING COMPANY, INC., Seattle, Wash. Filed Aug. 21, 1925.

Vego-Fruto

*Particular description of goods.*—Laxative Food.

*Claims use* since Nov. 1, 1925.

Ser. No. 219,205. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN PARKER RIVERS, doing business as Pacific Coast Mineral Co., San Pedro, Calif. Filed Aug. 21, 1925.

The words "Radiant" and "Minerals" appearing on the drawing are to be disclaimed apart from the mark as shown.

*Particular description of goods.*—Preparation for the Treatment of Rheumatism, Eczema, Skin Rash, Bruises, Sore Feet, and Tired Feet.

*Claims use* since Apr. 17, 1924.

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Ser. No. 219,269. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BRYANT ELECTRIC COMPANY, Bridgeport, Conn. Filed Aug. 24, 1925.

TEMPLUS

*Particular description of goods.*—Electric Insulating Composition.

*Claims use* since Aug. 12, 1925.

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Ser. No. 219,272. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) L. C. CHASE & COMPANY, Boston, Mass. Filed Aug. 24, 1925.

SUPER
DREDNAUT
Deck
Covering

Exclusive right to the words "Deck Covering" is disclaimed apart from the mark.

*Particular description of goods.*—Textile Fabric Coated With Rubber or Waterproof Surface Coating.

*Claims use* since about June, 1925.

Ser. No. 219,302. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y. Filed Aug. 24, 1925.

*Particular description of goods.*—Radiators for Internal-Combustion Engines.
*Claims use* since on or about 1903.

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Ser. No. 219,350. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. J. REACH COMPANY, Philadelphia, Pa. Filed Aug. 25, 1925.

Applicant disclaims "A. J. Reach Company, Philadelphia" and the word "Feather Weight" except in connection with the mark as shown.
*Particular description of goods.*—Golf Bags.
*Claims use* since Aug. 7, 1925.

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Ser. No. 219,437. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES. GUSTAV MEZ, doing business as Mercedes Buro-Maschinen-Werke, Post Mehlis in Thuringia, Germany. Filed Aug. 27, 1925.

**Mercedes**

*Particular description of goods.*—Calculating Machines.
*Claims use* since 1906.

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Ser. No. 219,440. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNI M. MORTON, doing business as Morton's Drug Co., Centertown, Ky. Filed Aug. 27, 1925.

**FE-LAX**

*Particular description of goods.*—Laxative.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,471. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BELGIAN TRADING COMPANY, INC., New York, N. Y. Filed Aug. 28, 1925.

**VANIL-KETONE**

No claim is made to the exclusive use of the word "Ketone" apart from the mark as shown in the drawing. The mark consists in the words "Vanil-Ketone."
*Particular description of goods.*—Vanilla Extract (Dihydroparamethyl Vanillyl Ketonic Compound) for Food-Flavoring Purposes.
*Claims use* since June 15, 1925.

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Ser. No. 219,552. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. H. PARKE COMPANY, Philadelphia, Pa. Filed Aug. 29, 1925.

**RAINBOW**

*Particular description of goods.*—Coffee.
*Claims use* since 1882.

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Ser. No. 219,638. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MUTUAL PHONO PARTS MFG. CORP., New York, N. Y. Filed Sept 1, 1925.

*Particular description of goods.*—Radio Loud-Speaking Units.
*Claims use* since October, 1924.

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Ser. No. 219,673. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WILLIAM G. LUTZ, doing business as Hollywood Beverage Co., Los Angeles, Calif. Filed Sept. 2, 1925.

The word "Dry" does not form a part of the mark sought to be registered apart from the mark as shown in the drawing.
*Particular description of goods.*—Ginger Ale.
*Claims use* since June 1, 1924.



Ser. No. 219,716. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLOMBO COMMERCIAL COMPANY, LTD., London, England, and Colombo, Ceylon. Filed Sept. 3, 1925.

**DEVONWOOD**

*Particular description of goods.*—Tea.
*Claims use* since July 21, 1917.

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Ser. No. 219,718. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLOMBO COMMERCIAL COMPANY, LTD., London, England, and Colombo, Ceylon. Filed Sept. 3, 1925.

**ABBOTSWOOD**

*Particular description of goods.*—Tea.
*Claims use* since Jan. 24, 1918.

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Ser. No. 219,720. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLOMBO COMMERCIAL COMPANY, LTD., London, England, and Colombo, Ceylon. Filed Sept. 3, 1925.

**LODGEWOOD**

*Particular description of goods.*—Tea.
*Claims use* since Jan. 24, 1918.

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Ser. No. 219,721. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLOMBO COMMERCIAL COMPANY, LTD., London, England, and Colombo, Ceylon. Filed Sept. 3, 1925.

**ERROLLHURST**

*Particular description of goods.*—Tea.
*Claims use* since Jan. 24, 1918.

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Ser. No. 219,722. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLOMBO COMMERCIAL COMPANY, LTD., London, England, and Colombo, Ceylon. Filed Sept. 3, 1925.

**DONAVON**

*Particular description of goods.*—Tea.
*Claims use* since Jan. 30, 1918.

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Ser. No. 219,723. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLOMBO COMMERCIAL COMPANY, LTD., London, England, and Colombo, Ceylon. Filed Sept. 3, 1925.

**ELLAGLEN**

*Particular description of goods.*—Tea.
*Claims use* since Nov. 25, 1913.

Ser. No. 219,724. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLOMBO COMMERCIAL COMPANY, LTD., London, England, and Colombo, Ceylon. Filed Sept. 3, 1925.

**GLASSWOOD**

*Particular description of goods.*—Tea.
*Claims use* since July 25, 1917.

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Ser. No. 219,725. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLOMBO COMMERCIAL COMPANY, LTD., London, England, and Colombo, Ceylon. Filed Sept. 3, 1925.

**FERNHURST**

*Particular description of goods.*—Tea.
*Claims use* since Jan. 24, 1918.

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Ser. No. 219,796. (CLASS 37. PAPER AND STATIONERY.) ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y. Filed Sept. 4, 1925.

*Particular description of goods.*—Photographic Goods—Namely, Photographic Mounts and Albums.
*Claims use* since June 1, 1925.

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Ser. No. 219,888. (CLASS 37. PAPER AND STATIONERY.) SAML. GABRIEL SONS & COMPANY, New York, N. Y. Filed Sept. 5, 1925.

**OILKLO**

*Particular description of goods.*—Printed Books.
*Claims use* since July 22, 1925.

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Ser. No. 219,890. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HANS GISIGER, New York, N. Y. Filed Sept. 5, 1925.

**MIRACLE**

*Particular description of goods.*—Watches, Watchcases, Watch Dials, and Watchworks.
*Claims use* since January, 1924.

Ser. No. 219,919. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY THAYER & CO., INC., Cambridge, Mass. Filed Sept. 5, 1925.

REM-OLA

Trade-mark consists of the word "Rem-Ola."

*Particular description of goods.*—Preparation for the Relief of Constipation, an Intestinal Tonic, and a Pile Preventive.

*Claims use* since October, 1924.

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Ser. No. 219,925. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WIDLAR COMPANY, Cleveland, Ohio. Filed Sept. 5, 1925.

Widlar's

CRISPY PIX

The surname "Widlar's" and the descriptive word "Crispy" do not form a part of the mark sought to be registered separate from the mark shown in the drawing.

*Particular description of goods.*—Relish Consisting Essentially of Bottled Sliced Pickle.

*Claims use* since July 2, 1925.

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Ser. No. 219,932. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOZEMAN CANNING CO., Bozeman, Mont. Filed Sept. 8, 1925.

BRIDGER CANYON

No claim is made to the exclusive use of the descriptive word "Quality" apart from such use shown in the drawing.

*Particular description of goods.*—Canned Vegetables—Namely, Peas.

*Claims use* since 1918.

Ser. No. 219,953. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FANSTEEL PRODUCTS COMPANY, INC., North Chicago, Ill. Filed Sept. 8, 1925.

FANSTEEL

*Particular description of goods.*—Battery-Charger Units, Rectifier Coils, Transformers, and Resistance Units and Parts Thereof.

*Claims use* since May 1, 1923.

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Ser. No. 219,960. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Sept. 8, 1925.

Eventone

*Particular description of goods.*—Ready-Mixed Paints.

*Claims use* since Apr. 7, 1925.

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Ser. No. 219,970. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) P. & A. LINTON CO., Providence, R. I. Filed Sept. 8, 1925.

*Particular description of goods.*—Earrings.

*Claims use* since January, 1915.

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Ser. No. 219,976. (CLASS 39. CLOTHING.) THE MERIT HOSIERY COMPANY, INC., Ozone Park and New York, N. Y. Filed Sept. 8, 1925.

LACE-CHAIN

STOPS RUNS

No claim is made to the exclusive use of the words "Stops Runs."

*Particular description of goods.*—Hosiery.

*Claims use* since Sept. 4, 1925.



Ser. No. 220,032. (CLASS 15. OILS AND GREASES.) NATIONAL INDEPENDENT OIL COMPANY, INC., York, Pa. Filed Sept. 9, 1925.

NICOLENE PEPSZOL

*Particular description of goods.*—Gasoline.

*Claims use* since July 16, 1925.

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Ser. No. 220,070. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE E. INGRAHAM COMPANY, Bristol, Conn. Filed Sept. 10, 1925.

AURORA

*Particular description of goods.*—Clocks.

*Claims use* since February, 1923.

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Ser. No. 220,072. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE E. INGRAHAM COMPANY, Bristol, Conn. Filed Sept. 10, 1925.

EARLYRAY

*Particular description of goods.*—Clocks.

*Claims use* since October, 1924.

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Ser. No. 220,073. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE E. INGRAHAM COMPANY, Bristol, Conn. Filed Sept. 10, 1925.

THE PAL

*Particular description of goods.*—Watches.

*Claims use* since October, 1924.

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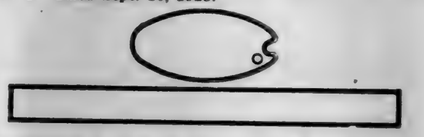
Ser. No. 220,089. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) T. J. RONAN CO. INC., Brooklyn, N. Y. Filed Sept. 10, 1925.



*Particular description of goods.*—Ready-Mixed Paints, Varnishes, and Paint Enamels.

*Claims use* since Jan. 13, 1920.

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Ser. No. 220,103. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) EDWARD B. ALLEN, Newtown, Conn. Filed Sept. 11, 1925.

SANI-VAC

*Particular description of goods.*—Bath, Flesh, and Massage Brushes.

*Claims use* since Aug. 6, 1925.

Ser. No. 220,117. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FIRST NATIONAL LABORATORIES, INCORPORATED, Lehighton, Pa. Filed Sept. 11, 1925.

DR. WHITE'S

The name "Dr. White's" does not form a part of the mark sought to be registered except in the association shown.

*Particular description of goods.*—Cold Cream, Blood and Nerve Tonic, Pills Used for the Treatment of Cold and Grippe; Preparation Used to Remove Corns, Warts, and Calli; Toothache Drops, Female Cones Used for the Treatment of Female Disorders; Preparation Used in the Treatment of Sore and Inflamed Lungs, Coughs, Colds, Bronchitis, Asthma, Whooping Cough, and Spasmodic Croup; Liniment Used in the Treatment of Asthma, Coughs, Colds, Grippe, Kidney Trouble, Lumbago, Neuralgia, and Like Ailments; a Vaporizing Salve; Aseptagina, an Astringent Antiseptic Prophylactic Used for Female Douching; Aspirin Tablets, Headache Tablets, Liver Pills.

*Claims use* since Mar. 1, 1922.

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Ser. No. 220,126. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H P COFFEE COMPANY, St. Louis, Mo. Filed Sept. 11, 1925.

KNAPSACK

*Particular description of goods.*—Coffee.

*Claims use* since about May 9, 1898.

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Ser. No. 220,136. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PAYNE COMPANY, New York, N. Y. Filed Sept. 11, 1925.

*Particular description of goods.*—Radio Loud Speakers.

*Claims use* since Nov. 1, 1924.

Ser. No. 220,148. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SHURON STANDARD OPTICAL COMPANY, INC., Geneva, N. Y. Filed Sept. 11, 1925.

TORCYL

*Particular description of goods.*—Machine for Grinding the Surfaces of Lenses.
*Claims use* since October, 1910.

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Ser. No. 220,169. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ASTRAL RADIO CORPORATION, Philadelphia, Pa. Filed Sept. 12, 1925.

ASTRAL

*Particular description of goods.*—Radio Receiving Sets and Parts Thereof.
*Claims use* since on or about July 13, 1925.

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Ser. No. 220,226. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GAFFNEY & CORD, Philadelphia, Pa. Filed Sept. 14, 1925.

GAFFCOR

*Particular description of goods.*—Insect Destroyer.
*Claims use* since Aug. 21, 1925.

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Ser. No. 220,239. (CLASS 15. OILS AND GREASES.) LANDIS MACHINE COMPANY, St. Louis, Mo. Filed Sept. 14, 1925.

Landis
OWN YOUR OWN

No claim is made to the exclusive use of the word "Landis."
*Particular description of goods.*—Lubricating Oils and Greases.
*Claims use* since July 1, 1924.

Ser. No. 220,240. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LANDIS MACHINE COMPANY, St. Louis, Mo. Filed Sept. 14, 1925.

Landis
OWN YOUR OWN

No claim is made to the exclusive use of the name "Landis."
*Particular description of goods.*—Machine Needles and Awls.
*Claims use* since July 1, 1924.

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Ser. No. 220,250. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PAXTON AND GALLAGHER CO., Omaha, Nebr. Filed Sept. 14, 1925.

Princess Grande

*Particular description of goods.*—Radio Receiving Sets.
*Claims use* since June 1, 1925.

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Ser. No. 220,284. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLACK & WHITE MILLING COMPANY, East St. Louis, Ill. Filed Sept. 15, 1925.

ALWAYS A-HEAD

*Particular description of goods.*—Cereals and Cereal Products Intended for Use as Food or Feeds—Namely, Laying Mash, Starting Mash, Growing Mash, Chick Feed, Scratch Feed, Stock Feed, Particularly Horse and Mule Feed, Dairy Feed, and Wheat Flour.
*Claims use* since June 1, 1921.



Ser. No. 220,326. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) STEIN AND WINDT, INC., New York, N. Y. Filed Sept. 16, 1925.

KNIGHT-ERRANT

*Particular description of goods.*—Jewelry for Personal Wear, Not Including Watches.
*Claims use* since Jan. 1, 1921.

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Ser. No. 220,332. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ANSTED & BURK CO., Springfield, Ohio. Filed Sept. 17, 1925.

WILLIAM TELL

*Particular description of goods.*—White Table Meal and Yellow Table Meal.
*Claims use* since Feb. 27, 1915.

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Ser. No. 220,353. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WM. J. MURDOCK CO., Chelsea, Mass. Filed Sept. 17, 1925.

RADIO MURDOCK

*Particular description of goods.*—Radio Receiving Sets.
*Claims use* since on or about Feb. 1, 1924.

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Ser. No. 220,357. (CLASS 17. TOBACCO PRODUCTS.) PALESTINE CIGARETTE & TOBACCO CO. INC., Boston, Mass. Filed Sept. 17, 1925.

The words "Palestine Cigarettes" are hereby disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Cigarettes.
*Claims use* since Dec. 1, 1924.

Ser. No. 220,366. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOCIEDAD ANONIMA ELOWSON Y WEBSTER, LTDA., Buenos Aires, Argentina. Filed Sept. 17, 1925.

Elowester

*Particular description of goods.*—Butter, Cheese, Casein, Dried Milk or Milk Powder, Condensed Milk, and Evaporated Milk.
*Claims use* since Jan. 25, 1923.

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Ser. No. 220,369. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) A. G. SPALDING & BROS., New York, N. Y. Filed Sept. 17, 1925.

SPALDING

No claim to exclusive rights to the surname "Spalding" apart from the mark as shown in drawing.
*Particular description of goods.*—Bags and Suitcases.
*Claims use* since about Jan. 1, 1900.

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Ser. No. 220,388. (CLASS 32. FURNITURE AND UPHOLSTERY.) SYLVANUS D. LOCKE, doing business as Scroll Art Company, Bridgeport, Conn. Filed Sept. 16, 1925.

DRAGON

*Particular description of goods.*—Smokers' Stands Having Pedestals.
*Claims use* since Aug. 29, 1923.

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Ser. No. 220,393. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Sept. 18, 1925.

GOLDCRAFT

*Particular description of goods.*—Watchcases.
*Claims use* since Jan. 12, 1925.

Ser. No. 220,395. (CLASS 11. INKS AND INKING MATERIALS.) THE CARTER'S INK COMPANY, Cambridge, Mass. Filed Sept. 18, 1925.

RYTO

*Particular description of goods.*—Writing Ink.
*Claims use* since Sept. 1, 1925.

Ser. No. 220,406. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES HEWITT & SONS CO., Des Moines, Iowa. Filed Sept. 18, 1925.

WHITE WAY

*Particular description of goods.*—Canned Vegetables—Namely, Lima Beans, String and Wax Beans, Baked Pork and Beans, Peas, Kidney Beans, Sauerkraut, Spinach, Tomatoes, Condensed Tomatoes, Asparagus, Beets, Carrots, Corn, Hominy, Pumpkin, Sweet Potatoes, Mixed Vegetables for Soups, Succotash; Canned Fruits—Namely, Apricots, Blueberries, Blackberries, Cherries, Grapes, Gooseberries, Loganberries, Pears, Peaches, Plums, Pineapple, Black Raspberries, Red Raspberries, Strawberries; Fruit Jams—Namely, Apricot, Blueberry, Blackberry, Cherry, Gooseberry, Loganberry, Pear, Plum, Pineapple, Raspberry, Strawberry, Quince, Pineapple-Apricot, Raspberry-Strawberry; Fruit Jellies—Namely, Currant, Grape, Quince, Raspberry, Strawberry, Apple, Plum, Crabapple; Dried Fruits—Namely, Raisins; Canned Sea Food—Namely, Lobsters, Salmon, Tunny; Dried Beef; Alimentary Products—Namely, Macaroni, Spaghetti, Noodles; Packaged Cereals—Namely, Tapioca, Barley, Oats, Rice; Mustard; Food-Flavoring Extracts—Namely, Vanilla; Food Sirup, Salad Dressing, Catchup, Tea, Coffee, Peanut Butter, Honey, Pop Corn in its Natural State, Vinegar, Cocoa, Shredded Coconut, Powdered Sugar, Evaporated Milk, Strawberry Jell Powders, Raspberry Jell Powders, Olive Oil, Olives, Pickles, Pickle Relish, Fruits for Salad, Black Pepper, Oysters.
*Claims use* since Jan. 1, 1915.

Ser. No. 220,409. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANGELOS KYPROS, doing business as Real Bar Candy Factory, Springfield, Mo. Filed Sept. 18, 1925.

New-Way

*Particular description of goods.*—Chocolate-Coated Ice-Cream-Filled Cones.
*Claims use* since May 1, 1924.

Ser. No. 220,411. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JOHN T. MADRAN MFG. CO., Providence, R. I. Filed Sept. 18, 1925.

ROSANT

*Particular description of goods.*—Watch Movements.
*Claims use* since Apr. 15, 1925.

Ser. No. 220,424. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCHWEIZ. SEIDENGAZEFABRIK A. G., Thal, Switzerland. Filed Sept. 18, 1925.

Dufourotex

The words "Dufour & Co." are disclaimed except in the exact form shown.
*Particular description of goods.*—Bolting Cloth.
*Claims use* since May 14, 1898.

Ser. No. 220,430. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TILETTE CEMENT COMPANY, INC., New York, N. Y. Filed Sept. 18, 1925.

TILETTE PLASTIC

*DECOTEX*

No claim is made to the word "Plastic" apart from the mark shown in the drawing.
*Particular description of goods.*—Wall Finish.
*Claims use* since July 3, 1925.



Ser. No. 220,458. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JOHNCOX & CO., INC., Canandaigua, N. Y. Filed Sept. 19, 1925.

CANANDAIGUA DRY GINGER ALE

The word "Canandaigua" and "Dry Ginger Ale" are disclaimed apart from the mark shown.
*Particular description of goods.*—Soft Drinks—to wit, Ginger Ale.
*Claims use* since Sept. 1, 1925.

Ser. No. 220,488. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) ALLEN QUIMBY CLOTHESPIN COMPANY, Stockholm, Me. Filed Sept 21, 1925.

"SILVER KING"

Trade-mark consists of the words "Silver King".
*Particular description of goods.*—Clothespins.
*Claims use* since July 16, 1924.

Ser. No. 220,496. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CHICLE PRODUCTS COMPANY, Newark, N. J. Filed Sept. 21, 1925.

La'La'

*Particular description of goods.*—Candy.
*Claims use* since Aug. 7, 1925.

Ser. No. 220,508. (CLASS 31. FILTERS AND REFRIGERATORS.) THE DURO PUMP AND MANUFACTURING COMPANY, Dayton, Ohio. Filed Sept. 21, 1925.

DURO

*Particular description of goods.*—Filters and Water-Softening Apparatus.
*Claims use* since Jan. 1, 1916.

Ser. No. 220,509. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DURO PUMP AND MANUFACTURING COMPANY, Dayton, Ohio. Filed Sept. 21, 1925.

DURO

*Particular description of goods.*—Pneumatic-Pressure Systems for Pumping, Storing, and Supplying Water or Other Fluids; Pumps, and Fluid-Pressure Motors, Explosive Engines, and Parts Thereof.
*Claims use* since Jan. 1, 1925.

Ser. No. 220,523. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAINGER BROS. CO., Lincoln, Nebr. Filed Sept. 21, 1925.

LINKO

*Particular description of goods.*—Canned Vegetables—Namely, Corn, Pork and Beans, Peas, Cut Refugee Beans, Cut Wax Beans, Tomatoes, Pumpkin, Hominy, Cut Beets, Sauerkraut, Sweet Potatoes; Canned Fruits—Namely, Cherries, Blackberries, Raspberries, Strawberries, Loganberries, Peaches, Pineapple; Canned Sea Food—Namely, Salmon; Coffee, Macaroni, Spaghetti, Food-Flavoring Extracts, Catchup, Mustard, Pickles, Peanut Butter, Spices, Food Sirup, Chile Con Carne, Fruit Preserves, Fruit Jams.
*Claims use* since January, 1925.

Ser. No. 220,536. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HURST-BOILLIN CO., Clarksville, Tenn. Filed Sept. 21, 1925.

7-11

*Particular description of goods.*—Wheat Flour.
*Claims use* since Jan. 1, 1919.

Ser. No. 220,547. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LAW CANNING CO., Portland, Oreg. Filed Sept. 21, 1925.

Noodle Crisps

The word "Noodle" is disclaimed apart from the mark shown on the drawing.
*Particular description of goods.*—Fried Egg Noodles.
*Claims use* since July 16, 1925.

Ser. No. 220,583. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE TWIN DRY CELL BATTERY COMPANY, Cleveland, Ohio. Filed Sept. 21, 1925.

STORM KING

*Particular description of goods.*—Electric Batteries.
*Claims use* since about Sept. 16, 1925.

Ser. No. 220,594. (CLASS 39. CLOTHING.) BOERA BROS., New York, N. Y. Filed Sept. 22, 1925.

**BOINA**

*Particular description of goods.*—Men's, Boys', Ladies', and Misses' Hats.
*Claims use* since July 17, 1915.

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Ser. No. 220,601. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. J. FAHL, Chicago, Ill. Filed Sept. 22, 1925.

**PARA-DI-PARA**

*Particular description of goods.*—Medicinal Preparation for All Kinds of Distemper in Dogs.
*Claims use* since March, 1925.

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Ser. No. 220,604. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORTUNE PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 22, 1925.

**THINFLO**

*Particular description of goods.*—Confectionery Coatings and Coverings—Namely, Chocolate Coatings for Edible Substances.
*Claims use* since on or about Dec. 15, 1922.

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Ser. No. 220,613. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NIGHT & DAY CHEMICAL COMPANY, Water Valley, Miss. Filed Sept. 22, 1925.

DR. DAVIS' ND NIGHT AND DAY

No claim is made to the name "Dr. Davis" apart from the mark as shown.
*Particular description of goods.*—Hairdressing.
*Claims use* since Oct. 1, 1921.

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Ser. No. 220,620. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROGERS-LUDLOW INCORPORATED, New York, N. Y. Filed Sept. 22, 1925.

**BAMBINO**

*Particular description of goods.*—Olive Oil.
*Claims use* since Aug. 19, 1925.

Ser. No. 220,639. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE COLUMBIAN HARDWARE COMPANY, Cleveland, Ohio. Filed Sept. 23, 1925. Under ten-year proviso.

**COLUMBIAN**

*Particular description of goods.*—Vises, Anvils, and Clamps.
*Claims use* since about 1890.

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Ser. No. 220,677. (CLASS 39. CLOTHING.) D. POWER & SONS LIMITED, Walsall, England. Filed Sept. 23, 1925.

**LAVOSKIN**

*Particular description of goods.*—Gloves Made of Leather.
*Claims use* since July 1, 1924.

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Ser. No. 220,694. (CLASS 45. BEVERAGES, NONALCOHOLIC.) YANKEE BOTTLING CO., Washington, D. C. Filed Sept. 23, 1925.

**YANKEE**

Trade-mark consists of the word "Yankee" and is lined to denote color blue and red.
*Particular description of goods.*—Carbonated Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
*Claims use* since July, 1922.

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Ser. No. 220,715. (CLASS 12. CONSTRUCTION MATERIALS.) GILMORE OIL COMPANY, Los Angeles, Calif. Filed Sept. 24, 1925.

BANG!

*Particular description of goods.*—Asphalt.
*Claims use* since June 8, 1925.



Ser. No. 220,719. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Filed Sept. 24, 1925.

**AMERICAN BEAUTY**

*Particular description of goods.*—Eggs and Dressed Poultry.
*Claims use* since Apr. 3, 1920.

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Ser. No. 220,738. (CLASS 39. CLOTHING.) RALEIGH HABERDASHER, INC., Washington, D. C. Filed Sept. 24, 1925.

RALEIGH

Applicant disclaims exclusive right to the use of the word "Raleigh" except in the arrangement and association in which they appear with the rest of mark shown on drawing.
*Particular description of goods.*—Shoes of Leather, Fabric, Leather and Rubber, Fabric and Rubber, and Combinations of These Materials.
*Claims use* since Mar. 6, 1925.

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Ser. No. 220,742. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDREW P. SHURILLA, Reading, Pa. Filed Sept. 24, 1925.

**A. P. S.**

*Particular description of goods.*—Horse-Radish Relish.
*Claims use* since Sept. 3, 1925.

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Ser. No. 220,747. (CLASS 39. CLOTHING.) TRI-CITY CAP MANUFACTURING COMPANY, Davenport, Iowa. Filed Sept. 24, 1925.

PAT. APP. FOR. TRI-CITY CAP MFG. CO. DAVENPORT, IOWA. TRADE-MARK

Applicant disclaims exclusive right to use of the words "Cap" and "Cap Mfg. Co.", nor is any claim made to "Pat. App. for" and "Davenport," "Iowa, Trade-Mark."
*Particular description of goods.*—Caps for Men, Women, and Children.
*Claims use* since latter half of 1921.



Ser. No. 220,750. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WERNET DENTAL MFG. CO. INC., New York, N. Y. Filed Sept. 24, 1925.

All descriptive matter upon the drawing, including the following: "Holds Plates Tight, Dr. Wernet's Powder, Dr. Wernet's Powder for False Teeth," are herein disclaimed apart from the mark shown.
*Particular description of goods.*—Powder to Hold False Teeth Firmly in Place.
*Claims use* since about July 1, 1924.

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Ser. No. 220,760. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN HALL MARX CO., New York, N. Y. Filed Sept. 25, 1925.

**KO-TA-KU**

Trade-mark consists of the word "Ko-Ta'-Ku."
*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since Aug. 18, 1924.

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Ser. No. 220,762. (CLASS 39. CLOTHING.) CRANE-KENT CLOTHES INC., Cincinnati, Ohio. Filed Sept. 25, 1925.

No exclusive claim is made to the words "Crane-Kent Clothes" except in the connection shown.
*Particular description of goods.*—Coats, Trousers, Vests, and Suits for Men.
*Claims use* since Feb. 15, 1925.

Ser. No. 220,782. (CLASS 39. CLOTHING.) IRVING WEINBERG DRESS COMPANY, INC., New York, N. Y. Filed Sept. 25, 1925.

No rights are asserted to the exclusive use of the language "Styles for Big Women—Dresses" apart from the trade-mark as shown in the drawing.

*Particular description of goods.*—Dresses for Ladies and Misses.

*Claims use* since July 15, 1925.

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Ser. No. 220,799. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) O. W. PEIRCE COMPANY, La Fayette, Ind. Filed Sept. 25, 1925.

PECO

*Particular description of goods.*—Jar Rubbers.

*Claims use* since 1918.

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Ser. No. 220,824. (CLASS 45. BEVERAGES, NONALCOHOLIC.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925.

ASCO

*Particular description of goods.*—Grape Juice.

*Claims use* since Mar. 20, 1919.

Ser. No. 220,874. (CLASS 37. PAPER AND STATIONERY.) ROCKWELL-BARNES COMPANY, Chicago, Ill. Filed Sept. 26, 1925.

EXPEDITE BOND

Applicant disclaims any right to the use of the word "Bond" except in connection with the word "Expedite."

*Particular description of goods.*—Typewriter Paper.

*Claims use* since July 15, 1922.

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Ser. No. 220,886. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. BURRUS-RICE-BILDERBACK, Winters, Tex. Filed Sept. 28, 1925.

B. R. B.

*Particular description of goods.*—Preparation for Cleaning Teeth and Healing Tender and Bleeding Gums.

*Claims use* since July 1, 1925.

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Ser. No. 220,888. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLDON J. DARCE, Jeanerette, La. Filed Sept. 28, 1925.

"Emma Belle"

*Particular description of goods.*—Food-Flavoring Extracts.

*Claims use* since on or about Dec. 1, 1924.

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Ser. No. 220,899. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOME SERVICE TEXTILE CO. INC., New York, N. Y. Filed Sept. 28, 1925.

No claim is made to the exclusive use of a bolt of goods apart from the mark as shown in the drawing. Applicant's corporate title, as shown in the drawing, is not a part of the trade-mark.

*Particular description of goods.*—Fabrics in the Piece—Namely, Silk, Wool, Cotton, and Mixtures of Silk, Woolen, and Cotton Goods in the Piece.

*Claims use* since October, 1924.



Ser. No. 220,905. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) KOVA BRUSH & BROOM MANUFACTURING COMPANY, Greensburg, Ind. Filed Sept. 28, 1925.

KOVA

*Particular description of goods.*—Broom Corn and Fiber Brooms.

*Claims use* since Apr. 8, 1924.

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Ser. No. 220,915. (CLASS 39. CLOTHING.) THE PARSONS & BAKER CO., Phoenixville, Pa. Filed Sept. 28, 1925.

PABCO

*Particular description of goods.*—Knitted Ladies' One and Two Piece Underwear.

*Claims use* since Sept. 9, 1925.

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Ser. No. 220,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNITED DRUG COMPANY, doing business as Langlois, New York, Boston, Mass. Filed Sept. 29, 1925.

Shari

*Particular description of goods.*—Perfume, Toilet Water, Talcum, Face Powder, Face-Powder Compacts, Beauty Cream, Cleansing Cream, and Rouge.

*Claims use* since July 17, 1925.

Ser. No. 221,018. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LIONEL TRADING CO. INC., New York, N. Y. Filed Sept. 30, 1925.

CORDAY

*Particular description of goods.*—Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lip Stick.

*Claims use* since about Feb. 4, 1924.

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Ser. No. 221,032. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUMFORD CHEMICAL WORKS, Providence, R. I. Filed Sept. 30, 1925.

—DOCO—

*Particular description of goods.*—Dough Assistant Consisting of Preparation Designed to Improve the Quality of Leavened Bread by Increasing Its Lightness and Fineness of Texture and by Acting As a Yeast Food and Stimulant.

*Claims use* since Sept. 4, 1925.

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Ser. No. 221,033. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Sept. 30, 1925.

Trade-mark consists of the word "Saylco."

SAYLCO

*Particular description of goods.*—Cotton Piece Goods.

*Claims use* since Sept. 2, 1925.

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Ser. No. 221,042. (CLASS 32. FURNITURE AND UPHOLSTERY.) YAWMAN AND ERBE MFG. CO., Rochester, N. Y. Filed Sept. 30, 1925.

"Y and E" "FIRE-WALL"

*Particular description of goods.*—Filing Cabinets.

*Claims use* since 1917.

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Ser. No. 221,045. (CLASS 39. CLOTHING.) B. ALTMAN & CO., New York, N. Y. Filed Oct. 1, 1925.

The Guelph

*Particular description of goods.*—Ladies' Hats.

*Claims use* since Sept. 14, 1925.

Ser. No. 221,048. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LESTER L. BUTTERY, doing business as Rid-O Dander Co., Cuero, Tex. Filed Oct. 1, 1925.

RID-O-DANDER

*Particular description of goods.*—Preparation for the Treatment of Dandruff.
*Claims use* since Jan. 1, 1923.

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Ser. No. 221,054. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KENNARD E. GOODMAN, Wilmington, Ohio. Filed Oct. 1, 1925.

The words "Athletic Director's Formula" are disclaimed.
*Particular description of goods.*—Preparation for the Treatment of the Cigarette Habit.
*Claims use* since July 13, 1925.

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Ser. No. 221,074. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN PARKER RICH, Swanton, Vt. Filed Oct. 1, 1925.

SWANSDOWN

*Particular description of goods.*—Lime.
*Claims use* since Sept. 21, 1925.

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Ser. No. 221,096. (CLASS 39. CLOTHING.) COLUMBUS SHIRT COMPANY, Chicago, Ill. Filed Oct. 2, 1925.

No claim is made to the word "Columbus" appearing on the drawing apart from the mark as shown.
*Particular description of goods.*—Men's Shirts and Women's Shirt Waists.
*Claims use* since January, 1926.

Ser. No. 221,098. (CLASS 39. CLOTHING.) DIXIE UNDERWEAR CO., INC., Montgomery, Ala. Filed Oct. 2, 1925.

*Particular description of goods.*—Men's, Ladies', and Children's Underwear of Textile Fabrics and Hosiery.
*Claims use* since Jan. 1, 1924.

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Ser. No. 221,113. (CLASS 39. CLOTHING.) NORMAN GOULD, New York, N. Y. Filed Oct. 2, 1925.

The word "Norman" is claimed only in connection with the other features of the mark.
*Particular description of goods.*—Ladies', Men's, and Children's Hosiery.
*Claims use* since July 1, 1920.

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Ser. No. 221,120. (CLASS 45. BEVERAGES, NONALCOHOLIC.) STEPHEN D. LEVAS, doing business as Columbia Orange Crush Bottling Company, Washington, D. C. Filed Oct. 2, 1925.

Ku-pop

Applicant disclaims exclusive right to use the word "Pop" except in the precise relation and association in which the same appears in the drawing.
*Particular description of goods.*—Nonalcoholic, Malt-less Beverages Sold as Soft Drinks.
*Claims use* since Aug. 8, 1925.



Ser. No. 221,124. (CLASS 39. CLOTHING.) EDWARD MACBEAN & COMPANY LIMITED, Glasgow, Scotland. Filed Oct. 2, 1925.

The word "Brand" is disclaimed.
*Particular description of goods.*—Garments Made of Linen, Wool, Cotton, Artificial Silk, Oil Silk, and Other Waterproof Material—Namely, Coats, Jackets, Waistcoats, Trousers, Caps, and Hats for Men, Women, and Children.
*Claims use* since May 15, 1919.

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Ser. No. 221,149. (CLASS 37. PAPER AND STATIONERY.) THE TUTTLE PRESS COMPANY, Appleton, Wis. Filed Oct. 2, 1925.

FLORETTA

*Particular description of goods.*—Florists' Crêpe Paper.
*Claims use* since Sept. 1, 1925.

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Ser. No. 221,158. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOMER ASHLEY, doing business as Ashley and Company, Dallas, Tex. Filed Oct. 3, 1925.

No claim is made herein to the words "Ashley's" and "Hair Tonic" apart from the mark as shown.
*Particular description of goods.*—Hair Tonic.
*Claims use* since Sept. 1, 1924.

Ser. No. 221,161. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BELL RECORD CORPORATION, Newark, N. J. Filed Oct. 3, 1925.

*Particular description of goods.*—Phonograph Records.
*Claims use* since Nov. 23, 1920.

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Ser. No. 221,165. (CLASS 37. PAPER AND STATIONERY.) CAREW MANUFACTURING COMPANY, South Hadley Falls, Mass. Filed Oct. 3, 1925. Under ten-year proviso.

EMPIRE

BOND

*Particular description of goods.*—Writing and Printing Paper and Mailing Envelopes.
*Claims use* since Mar. 13, 1892.

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Ser. No. 221,173. (CLASS 38. PRINTS AND PUBLICATIONS.) ELLIS-JONES DRUG COMPANY, Memphis, Tenn. Filed Oct. 3, 1925.

The MEMPHIS DRUGGIST

*Particular description of goods.*—Publication Issued Monthly.
*Claims use* since January, 1917.

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Ser. No. 221,193. (CLASS 39. CLOTHING.) M. NATHAN AND BROTHER, INCORPORATED, Johnstown, Pa. Filed Oct. 3, 1925.

La Resse

*Particular description of goods.*—Knitted and Textile Underwear.
*Claims use* since Jan. 1, 1922.

Ser. No. 221,200. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORMONT DRUG & CHEMICAL CO., INC., Long Island City, N. Y. Filed Oct. 3, 1925.

ORMOL

*Particular description of goods.*—Russian Mineral Oil for Medicinal Use.
*Claims use* since Jan. 2, 1925.

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Ser. No. 221,229. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY STATE MILLING COMPANY, Winona, Minn. Filed Oct. 5, 1925.

WINGOLD

*Particular description of goods.*—Wheat Flour, Buckwheat Flour, Pancake Flour, Rye Flour, Graham Flour, Corn Meal, Rye Meal, Breakfast Cereals, Bran, and Stock Feeds.
*Claims use* since Feb. 18, 1899.

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Ser. No. 221,231. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE BRANDT CABINET WORKS, Hagerstown, Md. Filed Oct. 5, 1925.

SCATTER

*Particular description of goods.*—Library and Living-Room Tables.
*Claims use* since Sept. 3, 1925.

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Ser. No. 221,239. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COLORADO MILLING & ELEVATOR CO., Denver, Colo. Filed Oct. 5, 1925.

Snow Man

*Particular description of goods.*—Wheat Flour.
*Claims use* since July, 1925.

Ser. No. 221,242. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CRISPETTE COMPANY, Minneapolis, Minn. Filed Oct. 5, 1925.

CRISPETTES

*Particular description of goods.*—Hard Bread.
*Claims use* since Sept. 15, 1925.

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Ser. No. 221,264. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Oct. 5, 1925.

Cheese Niblets

No claim is made to the word "Cheese" apart from the mark as shown in the drawing.
*Particular description of goods.*—Cheese Crackers.
*Claims use* since Feb. 13, 1923.

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Ser. No. 221,267. (CLASS 39. CLOTHING.) J. F. McELWAIN COMPANY, Nashua, N. H. Filed Oct. 5, 1925.

INDIAN TREAD
—HEEL—

No claim is made to the exclusive use of the word "Heel" apart from the mark shown on drawing.
*Particular description of goods.*—Rubber Heels.
*Claims use* since about Sept. 24, 1925.

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Ser. No. 221,269. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLER-ROSE COMPANY, La Crosse, Wis. Filed Oct. 5, 1925.

*Particular description of goods.*—Butter.
*Claims use* since June, 1925.



Ser. No. 221,270. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLER-ROSE COMPANY, La Crosse, Wis. Filed Oct. 5, 1925.

*Particular description of goods.*—Eggs.
*Claims use* since June, 1925.

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Ser. No. 221,271. (CLASS 39. CLOTHING.) MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind. Filed Oct. 5, 1925.

BRONTEX

*Particular description of goods.*—Composition Soles for Shoes.
*Claims use* since Sept. 25, 1925.

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Ser. No. 221,280. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) RUBINOVICH AND HASKELL LIMITED, Montreal, Quebec, Canada. Filed Oct. 5, 1925.

OLD PAL

*Particular description of goods.*—Smokers' Articles—Namely, Pipes, Cigar and Cigarette Holders, Cases, and Pouches.
*Claims use* since October, 1915.

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Ser. No. 221,283. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JOHN PAUL SELLERS, doing business as Citizens Coal Company, Benton Harbor, Mich. Filed Oct. 5, 1925.

NUKOL

*Particular description of goods.*—Coal.
*Claims use* since Apr. 1, 1925.

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Ser. No. 221,284. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPARKS MILLING COMPANY, Alton, Ill. Filed Oct. 5, 1925.

LECOQ D'HAITI

*Particular description of goods.*—Wheat Flour.
*Claims use* since February, 1924.

Ser. No. 221,295. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Oct. 5, 1925.

*Particular description of goods.*—Stock and Poultry Feed.
*Claims use* since Sept. 2, 1925.

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Ser. No. 221,296. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Oct. 5, 1925.

*Particular description of goods.*—Corn Meal, Semolina, and Rye Flour.
*Claims use* since Sept. 2, 1925.

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Ser. No. 221,298. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JAMES PERCY WINN, Tudor Hill, Sutton Coldfield, England. Filed Oct. 5, 1925.

DORMA

*Particular description of goods.*—Devices or Appliances for the Protection of the Human Ear.
*Claims use* since Dec. 11, 1924.

Ser. No. 221,304. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHILI PRODUCTS CORPORATION, Los Angeles, Calif. Filed Oct. 6, 1925.

**PIMIEXO**

*Particular description of goods.*—Dried Sweet Pepper in Flaked and Powdered Form.
*Claims use* since June 9, 1925.

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Ser. No. 221,310. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 6, 1925.

**Kashmireen**

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Sept. 1, 1925.

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Ser. No. 221,312. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 6, 1925.

**Pebbleen**

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Jan. 30, 1924.

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Ser. No. 221,325. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOTAY COMPANY, INC., New York, N. Y. Filed Oct. 6, 1925.

**SECRETS**

Trade-mark consists in the word "Secrets."
*Particular description of goods.*—Pillowettes or Sachet Bags.
*Claims use* since Sept. 29, 1924.

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Ser. No. 221,341. (CLASS 37. PAPER AND STATIONERY.) WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass. Filed Oct. 6, 1925.

*Rayon Vellum*

Applicant disclaims an exclusive right to the word "Vellum" apart from the mark shown in the drawing.
*Particular description of goods.*—Writing Paper and Mailing Envelopes.
*Claims use* since Sept. 28, 1925.

Ser. No. 221,349. (CLASS 2. RECEPTACLES.) CAROLINA CASKET COMPANY, High Point, N. C. Filed Oct. 7, 1925.

*Particular description of goods.*—Caskets and Coffins.
*Claims use* since June 1, 1925.

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Ser. No. 221,372. (CLASS 17. TOBACCO PRODUCTS.) BIAGIO MIDULLA, doing business as B. Midulla Company, New York, N. Y. Filed Oct. 7, 1925.

MARTA

*Particular description of goods.*—Cigars.
*Claims use* since Sept. 13, 1921, and in the business of applicant's predecessor as to the word "Marta" since June 4, 1886.

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Ser. No. 221,373. (CLASS 37. PAPER AND STATIONERY.) CHARLES R. MYERS, Sebastopol, Calif. Filed Oct. 7, 1925.

ART-POINT

*Particular description of goods.*—Printed Stationery—Namely, Commercial and Social Letterheads and Commercial and Social Envelopes.
*Claims use* since May 1, 1925.

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Ser. No. 221,385. (CLASS 39. CLOTHING.) MAX SEAMON, doing business as Knickerbloom Co., New York, N. Y. Filed Oct. 7, 1925.

**KNICKERBLOOM**

*Particular description of goods.*—Knickerbockers and Bloomers.
*Claims use* since Sept. 24, 1925.



Ser. No. 221,410. (CLASS 38. PRINTS AND PUBLICATIONS.) ALVAH DAVISON, New York, N. Y. Filed Oct. 8, 1925.

DAVISON'S TEXTILE BLUE BOOK

Trade-mark "Davison's Textile Blue Book."
*Particular description of goods.*—Annual Publication.
*Claims use* since 1913.

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Ser. No. 221,429. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD C. MILLER, Williamsport, Pa. Filed Oct. 8, 1925.

*Bone-Fix*

*Particular description of goods.*—Antiseptic Astringent and Deodorant Mouth Wash for Treating Pyorrhea, Trench Mouth, Bleeding Gums, and for Hay Fever.
*Claims use* since June 1, 1924.

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Ser. No. 221,453. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROSENTHAL & PEREZ, New York, N. Y. Filed Oct. 8, 1925.

PERMANESCO

*Particular description of goods.*—Cotton Goods in the Piece.
*Claims use* since about Mar. 13, 1925.

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Ser. No. 221,463. (CLASS 37. PAPER AND STATIONERY.) WILLIAM S. TUTTLE, doing business as Tuttle Law Print, Rutland, Vt. Filed Oct. 8, 1925.

**Ver-land**

*Particular description of goods.*—Typewriter Paper.
*Claims use* since Jan. 1, 1925.

Ser. No. 221,474. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BETTER HEALTH COMPANY, Smyrna, Del. Filed Oct. 9, 1925.

BetterMints

Applicant disclaims the right to exclusive use of the words "Better Mints" apart from the other features of the mark shown in drawing.
*Particular description of goods.*—Laxative.
*Claims use* since Sept. 7, 1925.

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Ser. No. 221,486. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTHA E. HANCOCK, doing business as The Martha Hancock Co., Springfield, Mass. Filed Oct. 9, 1925.

MARTHA HANCOCK COMPLEXION CREAM

The exclusive right to the words "Martha Hancock Complexion Cream" separate and apart from the mark shown is disclaimed.
*Particular description of goods.*—Complexion Cream.
*Claims use* since on or about Dec. 1, 1922.

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Ser. No. 221,488. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES HERMANS, New York, N. Y. Filed Oct. 9, 1925.

**BON-ORA**

*Particular description of goods.*—Soluble Powder Employed As a Dentifrice, Mouth Wash, and Throat Gargle.
*Claims use* since Sept. 28, 1925.

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Ser. No. 221,494. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) MODERN PURE FOOD PRODUCTS CO., Providence, R. I. Filed Oct. 9, 1925.

READY BRAND

No claim is made to the word "Brand."
*Particular description of goods.*—Malt Extracts.
*Claims use* since Sept. 1, 1923.

Ser. No. 221,507. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PRICE TRADE PUBLISHING CO., INC., New York, N. Y. Filed Oct. 9, 1925.

DRAPERIES

*Particular description of goods.*—Monthly Trade Periodical.
*Claims use* since Sept. 20, 1925.

Ser. No. 221,561. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHERN JOBBING CO., Chicago, Ill. Filed Oct. 10, 1925.

AKANA

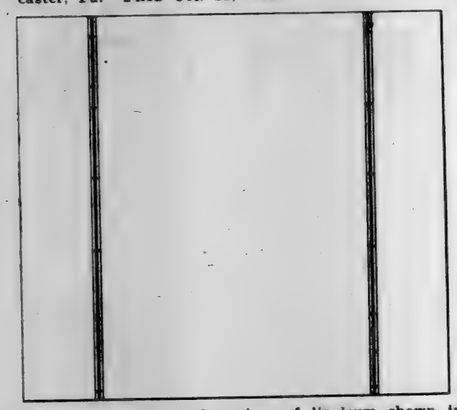
*Particular description of goods.*—Canned Corn.
*Claims use* since Sept. 24, 1925.

Ser. No. 221,575. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT L. TUGGLE, Louisville, Ky. Filed Oct. 10, 1925.

BOILER - VIM

The right to the exclusive use of the word "Boiler" apart from the complete mark shown in the drawing is disclaimed.
*Particular description of goods.*—Water-Treating and Boiler-Cleaning Material.
*Claims use* since Sept. 25, 1925.

Ser. No. 221,583. (CLASS 20. LINOLEUM AND OILED CLOTH.) ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Oct. 12, 1925.



The representation of a piece of linoleum shown in the drawing is disclaimed. The drawing shows the back of a piece of linoleum showing parallel stripes disposed upon the back of the linoleum in a position parallel to the edges thereof and nearer the edges than the center, with lines across them, the stripes being red and the surface gray.
*Particular description of goods.*—Linoleum.
*Claims use* since Sept. 21, 1925.

Ser. No. 221,599. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE DOHERTY & WADSWORTH CO., Paterson, N. J. Filed Oct. 12, 1925.

Quality 7390

D&W

Exclusive use of the word "Quality" is not claimed apart from the mark shown.
*Particular description of goods.*—Piece Goods Known As Silk Piece Goods.
*Claims use* since May 8, 1916.

Ser. No. 221,624. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LADY MARGARET TOILET GOODS CO., Fort Worth, Tex. Filed Oct. 12, 1925.

Lady Margaret

*Particular description of goods.*—Cleansing Cream, Muscle Oil, Pore Cream, Cucumber Cream, Vanishing Cream, Tissue Cream, Bleaching Cream, and Skin Tonic, Liquid Rouge, Compact Rouge, and Face Powder.
*Claims use* since Apr. 23, 1924.

Ser. No. 221,629. (CLASS 39. CLOTHING.) MECHANICVILLE KNITTING CO., Mechanicville, N. Y. Filed Oct. 12, 1925.

MECHANICVILLE
KOZY-KID

Trade-mark consists of the words "Mechanicville Kozy-Kid." No claim is made to the exclusive use of the word "Mechanicville" apart from the mark as shown in the drawing.
*Particular description of goods.*—Boys', Girls', and Children's Wool, Cotton, and Fancy Knit Underwear.
*Claims use* since 1920.

Ser. No. 221,640. (CLASS 39. CLOTHING.) CHAS. SARFERT, doing business as Garland Hosiery Mills, Philadelphia, Pa. Filed Oct. 12, 1925.

Goodwill

*Particular description of goods.*—Children's Stockings.
*Claims use* since July 29, 1925.



Ser. No. 221,642. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SPECIALTY MFG. CO., Des Moines, Iowa. Filed Oct. 12, 1925.

"JIFFY FIT"

*Particular description of goods.*—Cork Insole Cushions.
*Claims use* since Sept. 1, 1925.

Ser. No. 221,647. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VIOLET TITTLE, Blountstown, Fla. Filed Oct. 12, 1925.

*Particular description of goods.*—Hair Tonic.
*Claims use* since July 6, 1925.

Ser. No. 221,659. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHICKEE COMPANY, New York, N. Y. Filed Oct. 13, 1925.

The portrait shown is that of a young girl and is merely fanciful. The applicant disclaims exclusive use of same apart from the mark shown. Applicant disclaims exclusive use of the word "Company" and "New York" apart from the mark shown.
*Particular description of goods.*—Face Creams, Cleansing Creams, Vanishing Creams, Face Lotions, Rouges, Lip Sticks, Hair Tonics, Hair Lotions, Hair Shampoos, Hair Depilatories, Toilet Waters, Nail Polishes, and Chemicals Suitable for Cuticle Removing.
*Claims use* since July 15, 1925.

Ser. No. 221,673. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PISO COMPANY, Warren, Pa. Filed Oct. 13, 1925.

M. C. Talbott, M. D.

The trade-mark is a facsimile of the signature of "M. C. Talbott, M. D."
*Particular description of goods.*—Medicinal Tablets for the Treatment of Diseases of Women.
*Claims use* since July 15, 1902.

Ser. No. 221,674. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R & G LABORATORIES, Hollywood, Calif. Filed Oct. 13, 1925.

R & G
COMPOUND

No claim is made to the word "Compound."
*Particular description of goods.*—Medicine for the Relief of Painful Menstruation (Dysmenorrhea).
*Claims use* since Sept. 1, 1925.

Ser. No. 221,681. (CLASS 39. CLOTHING.) SIMON ACKERMAN CLOTHES, INC., New York, N. Y. Filed Oct. 14, 1925.

LADKIN

*Particular description of goods.*—Men's Suits and Topcoats.
*Claims use* since Sept. 1, 1925.

Ser. No. 221,683. (CLASS 39. CLOTHING.) SIMON ACKERMAN CLOTHES, INC., New York, N. Y. Filed Oct. 14, 1925.

BOWL

*Particular description of goods.*—Men's Suits and Topcoats.
*Claims use* since Sept. 1, 1925.

Ser. No. 221,691. (CLASS 39. CLOTHING.) BONWIT TELLER & CO., New York, N. Y. Filed Oct. 14, 1925.

CORINNE

*Particular description of goods.*—Hosiery.
*Claims use* since Oct. 3, 1925.

Ser. No. 221,692. (CLASS 39. CLOTHING.) BONWIT TELLER & CO., New York, N. Y. Filed Oct. 14, 1925.

DAPHNE

*Particular description of goods.*—Hosiery.
*Claims use* since Oct. 3, 1925.

Ser. No. 221,698. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 14, 1925.

Cuirleen

*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since Sept. 15, 1925.

Ser. No. 221,699. (CLASS 38. PRINTS AND PUBLICATIONS.) GIRL SCOUTS, INC., New York, N. Y. Filed Oct. 14, 1925.

The American Girl

*Particular description of goods.*—Monthly Magazine.
*Claims use* since June, 1920.

Ser. No. 221,732. (CLASS 39. CLOTHING.) J. N. ADAM & Co., Buffalo, N. Y. Filed Oct. 15, 1925.

*Particular description of goods.*—Hosiery.
*Claims use* since October, 1924.

Ser. No. 221,736. (CLASS 39. CLOTHING.) BROWN-DURRELL CO., New York, N. Y. Filed Oct. 15, 1925.

*Particular description of goods.*—Stockings.
*Claims use* since Aug. 1, 1925.

Ser. No. 221,814. (CLASS 39. CLOTHING.) THE FRANCHON COMPANY, Philadelphia, Pa. Filed Oct. 16, 1925.

Franchon

*Particular description of goods.*—Women's, Misses', and Children's Dresses.
*Claims use* since on or about Oct. 10, 1925.

Ser. No. 221,830. (CLASS 39. CLOTHING.) THE HARMONY CO., Portland, Oreg. Filed Oct. 16, 1925.

HARMONY

*Particular description of goods.*—Ladies' and Misses' Coats, Suits, Dresses, and Lingerie.
*Claims use* since Aug. 8, 1924.

Ser. No. 221,880. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CURTIS PUBLISHING COMPANY, Philadelphia, Pa. Filed Oct. 17, 1925.

The BEST SELLERS

*Particular description of goods.*—Periodicals Issued Monthly.
*Claims use* since Sept. 10, 1925.

Ser. No. 221,893. (CLASS 6. CHEMICALS. MEDICINES AND PHARMACEUTICAL PREPARATIONS.) BORIS M. GRABER, doing business as The Flam Company, Chicago, Ill. Filed Oct. 17, 1925.

FLAM

*Particular description of goods.*—Medicine for the Treatment of Coughs, Colds, Whooping Cough, Asthma, Bronchitis, and All Affections of Lungs and Throat.
*Claims use* since October, 1924.

Ser. No. 221,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOR-PAK PRESERVING COMPANY, Fresno, Calif. Filed Oct. 17, 1925.

MOR-PAK

*Particular description of goods.*—Preserved and Canned Fruits.
*Claims use* since Aug. 29, 1925.



Ser. No. 221,920. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRIEDA F. SHIRLEY, Brookline, Mass. Filed Oct. 17, 1925.

LEMONA

Trade-mark consists of the word "Lemona."
*Particular description of goods.*—Skin Lotion.
*Claims use* since Mar. 11, 1925.

Ser. No. 221,959. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GROSSE COMPANY, Los Angeles, Calif. Filed Oct. 19, 1925.

Kuplex

*Particular description of goods.*—Bleach Cream, Cleansing Cream, Tissue Cream, and Liquid Powder Base.
*Claims use* since Oct. 16, 1924.

Ser. No. 221,969. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JELLICIOUS, INC., San Francisco, Calif. Filed Oct. 19, 1925.

Jellicious

*Particular description of goods.*—Mixture Containing the Necessary Ingredients for the Making of Fruit Jelly.
*Claims use* since about May 22, 1925.

Ser. No. 221,980. (CLASS 10. FERTILIZERS.) SOUTHERN FERTILIZER & CHEMICAL COMPANY, Savannah, Ga. Filed Oct. 19, 1925.

*Particular description of goods.*—Fertilizer.
*Claims use* since Oct. 1, 1922.

Ser. No. 221,988. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARRENTON CLAM COMPANY, Warrenton, Oreg. Filed Oct. 19, 1925.

SPRUCE TREE

*Particular description of goods.*—Canned Clams and Salmon.
*Claims use* since June, 1920.

Ser. No. 221,989. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WAUPUN CANNING COMPANY, Waupun, Wis. Filed Oct. 19, 1925.

ORDER MORE

*Particular description of goods.*—Canned Peas.
*Claims use* since Dec. 9, 1924.

Ser. No. 222,001. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. F. BLANKE CANDY CO., branch of C. F. Blanke Tea & Coffee Co., St. Louis, Mo. Filed Oct. 20, 1925.

*Particular description of goods.*—Candy.
*Claims use* since Apr. 10, 1924.

Ser. No. 222,002. (Class 46. FOODS AND INGREDIENTS OF FOODS.) C. F. BLANKE CANDY CO., branch of C. F. Blanke Tea & Coffee Co., St. Louis, Mo. Filed Oct. 20, 1925.

*Particular description of goods.*—Candy.
*Claims use* since Sept. 24, 1925.

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Ser. No. 222,003. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK BORCHERS, Sioux City, Iowa. Filed Oct. 20, 1925.

Pyorrus

*Particular description of goods.*—Medicine for Treatment of Pyorrhea and Ailments of the Oral Tissues.
*Claims use* since on or about Jan. 1, 1920.

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Ser. No. 222,009. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM BRESLAW, Yonkers, N. Y. Filed Oct. 20, 1925.

TANOSEPTINE

*Particular description of goods.*—Antiseptic and Astringent Remedy.
*Claims use* since Sept. 25, 1925.

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Ser. No. 222,014. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CRYSTAL-LEE, INC., New York, N. Y. Filed Oct. 20, 1925.

*Particular description of goods.*—Face Powders, Face Creams, Face Packs, Perfumes, Toilet Waters, Rouges, Lip Sticks, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Talcum Powders, Nail Polishes, Deodorizing Preparations, Sachets, Eyebrow Pencils, Bath Salts, and Incense.
*Claims use* since Feb. 19, 1925.

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Ser. No. 222,045. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PERMA PRODUCTS CO., Bellingham, Wash. Filed Oct. 20, 1925.

PERMA

*Particular description of goods.*—Bath Salts.
*Claims use* since June 1, 1925.

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Ser. No. 222,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE G. RANDALL, doing business as The Newater Company, Chicago, Ill. Filed Oct. 20, 1925.

NEW-BOWL

*Particular description of goods.*—Disinfectant and Deodorizer.
*Claims use* since Oct. 5, 1925.

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Ser. No. 222,056. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GEORGE STARR WHITE, Los Angeles, Calif. Filed Oct. 20, 1925.

VIBRO-CUSSOR

*Particular description of goods.*—Therapeutic Vibrators.
*Claims use* since Sept. 30, 1925.

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Ser. No. 222,058. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATMOS PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 21, 1925.

Humydrole

*Particular description of goods.*—Humidifying Chemical Compound.
*Claims use* since Oct. 8, 1925.



Ser. No. 222,070. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) K. A. HUGHES COMPANY, Boston, Mass. Filed Oct. 21, 1925.

*Particular description of goods.*—Laxative Pills or Tablets.
*Claims use* since Sept. 18, 1925.

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Ser. No. 222,107. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX BURDE, New York, N. Y. Filed Oct. 22, 1925.

LAXAROLL

*Particular description of goods.*—Medical Preparation for Use As a Laxative.
*Claims use* since about Oct. 7, 1925.

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Ser. No. 222,125. (CLASS 38. PRINTS AND PUBLICATIONS.) KIER LETTER COMPANY, Chicago, Ill. Filed Oct. 22, 1925.

Personalized Publicity

*Particular description of goods.*—House Organ (Publication Issued Monthly).
*Claims use* since Feb. 1, 1924.

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Ser. No. 222,130. (CLASS 38. PRINTS AND PUBLICATIONS.) LESLIE-JUDGE COMPANY, New York, N. Y. Filed Oct. 22, 1925.

*Particular description of goods.*—Magazine Section.
*Claims use* since on or about Oct. 17, 1925.

Ser. No. 222,147. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRAGER ESTES THOMAS, Little Rock, Ark. Filed Oct. 22, 1925.

"K X R"

*Particular description of goods.*—Female Tonic and Preparation for Making Syringe Solution.
*Claims use* since Aug. 13, 1925.

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Ser. No. 222,162. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. C. BRUBAKER, Luray, Va. Filed Oct. 23, 1925.

B-3

*Particular description of goods.*—Ointment for the Treatment of Eczema, Tetter, and Piles.
*Claims use* since Oct. 10, 1925.

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Ser. No. 222,163. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Oct. 23, 1925.

Lady Conceta

*Particular description of goods.*—Face Powder, Vanishing Cream, Cold Cream, Lip Stick, Complexion Cake, Rouge, Toilet Water, Talcum Powder, Bath Salts, Hair Tonic, Sachet Powder, and Perfume.
*Claims use* since Feb. 10, 1925.

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Ser. No. 222,221. (CLASS 38. PRINTS AND PUBLICATIONS.) CORTE PUBLISHING COMPANY, New York, N. Y. Filed Oct. 24, 1925.

Sweetheart STORIES

*Particular description of goods.*—Magazine Published Monthly.
*Claims use* since June 2, 1925.

Ser. No. 222,230. (CLASS 38. PRINTS AND PUBLICATIONS.) FAMOUS FEATURES SYNDICATE, INC., New York, N. Y. Filed Oct. 24, 1925.

QUEEN'S COUNSEL

*Particular description of goods.*—Newspaper Feature Articles.
*Claims use* since Oct. 19, 1925.

Ser. No. 222,261. (CLASS 38. PRINTS AND PUBLICATIONS.) LIFE PUBLISHING COMPANY, New York, N. Y. Filed Oct. 24, 1925.

POLLY of the FOLLIES

*Particular description of goods.*—Comic Strips Published Periodically.
*Claims use* since Sept. 12, 1925.

Ser. No. 222,264. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK S. LYNDALL, doing business as Elbar Laboratories, Chicago, Ill. Filed Oct. 24, 1925.

N. P. D.

*Particular description of goods.*—Disinfectants.
*Claims use* since Aug. 1, 1925.

Ser. No. 222,309. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CRAWFORDSVILLE WIRE & NAIL CO., Crawfordsville, Ind. Filed Oct. 26, 1925.

BEN HUR

*Particular description of goods.*—Wire Fence.
*Claims use* since about January, 1924.

Ser. No. 222,325. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) KLOSTER STEEL CORPORATION, Chicago, Ill. Filed Oct. 26, 1925.

"SWED~OIL"

*Particular description of goods.*—Steel.
*Claims use* since Sept. 23, 1925.

Ser. No. 222,395. (CLASS 15. OILS AND GREASES.) THE POCAHONTAS OIL COMPANY, Cleveland, Ohio. Filed Oct. 27, 1925.

Aristocrat of Motor Fuels

No claim is made to the exclusive use of the words "Motor Fuels." The mark consists of the words "Aristocrat of Motor Fuels."
*Particular description of goods.*—Gasoline.
*Claims use* since Oct. 10, 1925.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

DECEMBER 1, 1925.

206,345. MINERAL INSULATING MATERIAL IN POWDERED FORM. CENTERVILLE GYPSUM COMPANY, Centerville, Iowa.
Filed April 3, 1925. Serial No. 212,120. PUBLISHED AUGUST 11, 1925.

206,346. REPAIR KITS FOR REPAIRING TIRES. WESTERN STATES MFG. CO., Sioux City, Iowa.
Filed April 6, 1925. Serial No. 212,310. PUBLISHED SEPTEMBER 15, 1925.

206,347. SERVIETTES. ERROLD B. THOMAS, Newton, Mass., assignor to Thomas Products, Inc., Boston, Mass., a Corporation of Massachusetts.
Filed April 29, 1925. Serial No. 213,540. PUBLISHED SEPTEMBER 15, 1925.

206,348. KNITTED BATHING SUITS, KNITTED DRESSES, KNITTED SWEATERS, KNITTED CAPES, KNITTED COATS, KNITTED PULLOVERS, KNITTED VESTS, KNITTED CAPS, AND KNITTED SCARFS. THE MISSION KNITTING WORKS, San Francisco, Calif.
Filed May 5, 1925. Serial No. 213,851. PUBLISHED SEPTEMBER 1, 1925.

206,349. COMPOUNDS FOR WATERPROOFING, DAMPPROOFING, SAID COMPOUNDS BEING IN THE FORM OF SOLIDS, POWDERS, PASTES, OR LIQUIDS TO BE MIXED WITH OR OTHERWISE APPLIED TO BUILDING MATERIALS OR TO BE USED TO COAT FLOORS, WALLS, AND CEILINGS OF BUILDINGS THEREWITH. ETERNITE CHEMICAL PRODUCTS CORPORATION, New York, N. Y.
Filed May 7, 1925. Serial No. 213,960. PUBLISHED SEPTEMBER 15, 1925.

206,350. FERROUS SHEETS. INLAND STEEL COMPANY, Chicago, Ill.
Filed May 11, 1925. Serial No. 214,161. PUBLISHED SEPTEMBER 15, 1925.

206,351. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. GEO. EDWARD HINSON, Weaverville, N. C.
Filed May 25, 1925. Serial No. 214,866. PUBLISHED SEPTEMBER 22, 1925.

206,352. DRY, PASTE, AND READY-MIXED PAINTS; PRIMERS, SURFACERS, FILLERS, VARNISHES, COLORS, ENAMELS, JAPANS, REDUCERS, THINNERS, AND RUBBING AND FINISHING COMPOUNDS. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed May 27, 1925. Serial No. 214,956. PUBLISHED SEPTEMBER 22, 1925.

206,353. COAL. PITTSBURGH COAL COMPANY, Pittsburgh, Pa.
Filed May 28, 1925. Serial No. 215,018. PUBLISHED SEPTEMBER 15, 1925.

206,354. COAL. PITTSBURGH COAL COMPANY, Pittsburgh, Pa.
Filed May 28, 1925. Serial No. 215,019. PUBLISHED SEPTEMBER 15, 1925.

206,355. COAL. PITTSBURGH COAL COMPANY, Pittsburgh, Pa.
Filed May 28, 1925. Serial No. 215,020. PUBLISHED SEPTEMBER 15, 1925.

206,356. FLOWERS, FLORAL PIECES, FLOWER SEEDS, PLANTS, BULBS, BIRDS, GOLDFISH, BOX PEBBLES, AND SHELLS. THE BLUE DOOR FLOWER SHOPPE, INC., Woonsocket, R. I.
Filed June 2, 1925. Serial No. 215,197. PUBLISHED SEPTEMBER 15, 1925.

206,357. AUTOMOBILE BUMPERS. CHRISTOPHER OFFENHAUSER, Philadelphia, Pa.
Filed June 10, 1925. Serial No. 215,588. PUBLISHED SEPTEMBER 15, 1925.

206,358. OIL BURNERS. THE S-K OIL BURNER CORPORATION, Camden, N. J.
Filed June 11, 1925. Serial No. 215,656. PUBLISHED AUGUST 11, 1925.

206,359. PERIODICAL PUBLICATION. GEORGE DJAMGAROFF, New York, N. Y.
Filed June 12, 1925. Serial No. 215,683. PUBLISHED JULY 28, 1925.

206,360. PREPARED SHORTENING, OLEOMARGARINE, AND SALAD OIL. DAVID A. BLANTON, doing business as The Blanton Company, St. Louis, Mo.
Filed June 13, 1925. Serial No. 215,731. PUBLISHED SEPTEMBER 22, 1925.

206,361. TABLE BOARD GAME PLAYED WITH PIECES. DALY-FETHERSTON CORP., New York, N. Y.
Filed June 13, 1925. Serial No. 215,737. PUBLISHED SEPTEMBER 22, 1925.

206,362. GAME BOX WITH A SQUEAKER INCLOSED. DALY-FETHERSTON CORP., New York, N. Y.
Filed June 13, 1925. Serial No. 215,738. PUBLISHED SEPTEMBER 22, 1925.

206,363. FLUID MILK, SWEET CREAM, SOUR CREAM, AND BUTTERMILK. MARYLAND-VIRGINIA MILK PRODUCTS COMPANY, INC., Charlottesville, Va., and Washington, D. C.
Filed June 17, 1925. Serial No. 215,938. PUBLISHED AUGUST 18, 1925.

206,364. FLUID MILK, SWEET CREAM, SOUR CREAM, BUTTERMILK. MARYLAND-VIRGINIA MILK PRODUCTS COMPANY, INC., Charlottesville, Va., and Washington, D. C.
Filed June 17, 1925. Serial No. 215,939. PUBLISHED SEPTEMBER 15, 1925.

206,365. HARDENED COPPER AND INGOTS AND CASTINGS THEREOF AND WIRE DRAWN FROM THE SAID METAL. SAMUEL R. DAWSON, Brooklyn, N. Y.
Filed August 30, 1922. Serial No. 168,874. PUBLISHED SEPTEMBER 15, 1925.

206,366. THROAT AND MOUTH WASH. DR. WARREN M. CLAWSON, doing business as Clawson Laboratories, Cincinnati, Ohio.
Filed March 31, 1925. Serial No. 211,903. PUBLISHED JULY 28, 1925.

206,367. MOTION PICTURES. BANNER PRODUCTIONS, INC., New York, N. Y.
Filed March 26, 1925. Serial No. 211,655. PUBLISHED SEPTEMBER 15, 1925.

206,368. DYED RAW ARTIFICIAL-SILK FIBER USED AS THE MATERIAL FOR THE PRODUCTION OF CLOTH. ATLAS DYE WORKS, Frankford, Philadelphia, Pa.
Filed March 20, 1925. Serial No. 211,317. PUBLISHED SEPTEMBER 15, 1925.

206,369. TOILET PAPER. HOCHSCHILD, KOHN & COMPANY, INC., Baltimore, Md.
Filed March 5, 1925. Serial No. 210,554. PUBLISHED AUGUST 18, 1925.

206,370. MOTION-PICTURE FILMS. METRO-GOLDWYN DISTRIBUTING CORPORATION, New York, N. Y., assignor to Metro-Goldwyn Pictures Corporation, New York, N. Y., a Corporation of Delaware.
Filed February 18, 1925. Serial No. 209,803. PUBLISHED SEPTEMBER 15, 1925.

206,371. HYDRAULIC CEMENT. WESTERN STATES CHEMICAL PRODUCTS COMPANY, Los Angeles, Calif.
Filed December 27, 1924. Serial No. 207,319. PUBLISHED SEPTEMBER 15, 1925.

206,372. SANITARY NAPKINS. CARSON PIRIE SCOTT & Co., Chicago, Ill.
Filed January 26, 1925. Serial No. 208,639. PUBLISHED SEPTEMBER 15, 1925.

206,373. SIRUP FOR FOOD PURPOSES. NEW ORLEANS COFFEE COMPANY LTD., New Orleans, La.
Filed December 23, 1924. Serial No. 207,143. PUBLISHED AUGUST 11, 1925.

206,374. CHRISTMAS-TREE DECORATIONS TO BE APPLIED AS ORNAMENTS TO A TREE. CARL L. LEON Co., Seattle, Wash.
Filed October 8, 1924. Serial No. 203,579. PUBLISHED SEPTEMBER 15, 1925.

206,375. SEEDS. SAFESEED, INC., Chicago, Ill.
Filed August 18, 1924. Serial No. 201,587. PUBLISHED SEPTEMBER 15, 1925.

206,376. WIRE FENCING. PITTSBURGH STEEL COMPANY, Pittsburgh, Pa.
Filed August 13, 1924. Serial No. 201,375. PUBLISHED SEPTEMBER 15, 1925.

206,377. LAXATIVE TABLETS. G. D. SEARLE & Co., INC., Chicago, Ill.
Filed July 14, 1924. Serial No. 200,014. PUBLISHED JULY 28, 1925.

206,378. GUT STRINGS FOR TENNIS RACKETS. ARMOUR AND COMPANY, Chicago, Ill.
Filed June 7, 1924. Serial No. 198,220. PUBLISHED SEPTEMBER 22, 1925.

206,379. FIRE BRICKS. WM. COCHRAN CARR, LIMITED, Newcastle-on-Tyne, England.
Filed September 10, 1924. Serial No. 202,437. PUBLISHED SEPTEMBER 15, 1925.

206,380. SURGICAL SUPPLIES AND HOSPITAL EQUIPMENT. THE JAMISON-SEMPLE CO., INC., New York, N. Y.
Filed October 8, 1924. Serial No. 203,573. PUBLISHED SEPTEMBER 15, 1925.

206,381. MALT BEVERAGE. TAKAMINE LABORATORY, INC., Clifton, N. J.
Filed April 24, 1924. Serial No. 196,082. PUBLISHED AUGUST 18, 1925.

206,382. SELF-WINDING HOSE REELS. WILLIAM A. SPRINGOWSKI, Lorain, Ohio.
Filed July 16, 1923. Serial No. 183,322. PUBLISHED SEPTEMBER 22, 1925.

206,383. OLIVES AND OLIVE OIL. VIRDEN CANNING COMPANY, San Francisco, Calif.
Filed May 29, 1924. Serial No. 197,849. PUBLISHED AUGUST 11, 1925.

206,384. RIPE OLIVES, PRESSED FIGS, HONEY, AND MAYONNAISE DRESSING. VIRDEN CANNING COMPANY, San Francisco, Calif.
Filed June 3, 1924. Serial No. 198,039. PUBLISHED AUGUST 11, 1925.

206,385. GRAPE JUICE. HENRY SOODSMA & COMPANY, Paterson, N. J.
Filed August 14, 1925. Serial No. 218,878. PUBLISHED SEPTEMBER 22, 1925.

206,386. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. JOSEPH MURRAY, doing business as Murray Bottling Company, Taunton, Mass.
Filed August 14, 1925. Serial No. 218,866. PUBLISHED SEPTEMBER 22, 1925.

206,387. NONINTOXICATING, MALTLESS BEVERAGES AND SIRUPS AND CONCENTRATES FOR MAKING THE SAME. CHERO-COLA COMPANY, Columbus, Ga.
Filed August 12, 1925. Serial No. 218,734. PUBLISHED SEPTEMBER 22, 1925.

206,388. GRAPE JUICE AND GINGER ALE. SCHLOSS & KAHN GROCERY CO., Montgomery, Ala.
Filed August 10, 1925. Serial No. 218,667. PUBLISHED SEPTEMBER 22, 1925.

206,389. MINERAL WATERS. ACTINIUM DEVELOPMENTS LIMITED, London, England.
Filed August 10, 1925. Serial No. 218,588. PUBLISHED SEPTEMBER 22, 1925.

206,390. SLEDS AND COASTER WAGONS. MARSHALL-WELLS COMPANY, Duluth, Minn.
Filed August 8, 1925. Serial No. 218,562. PUBLISHED SEPTEMBER 22, 1925.

206,391. MOVING-PICTURE FILMS. THE BRAY PICTURES CORPORATION, New York, N. Y.
Filed August 8, 1925. Serial No. 218,535. PUBLISHED SEPTEMBER 15, 1925.

206,392. OIL CANS. J. M. TENNISON, doing business as Tennison Bros., Texarkana, Ark. and Tex.
Filed August 6, 1925. Serial No. 218,508. PUBLISHED SEPTEMBER 22, 1925.

206,393. CIGARS. SCHWABACHER BROS. & CO. INC., Seattle, Wash.
Filed August 5, 1925. Serial No. 218,432. PUBLISHED SEPTEMBER 22, 1925.

206,394. POLISHES FOR WOODWORK, PIANOS, FURNITURE, AUTOMOBILES, POLISHED SURFACES OF ALL KINDS, LINOLEUM, ETC. INSTANT PRODUCTS CO., INC., Buffalo, N. Y.
Filed August 5, 1925. Serial No. 218,414. PUBLISHED SEPTEMBER 22, 1925.

206,395. MALTLESS, NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS. STEPHEN D. LEFAS, doing business as Columbia Orange-Crush Bottling Works, Washington, D. C.
Filed August 3, 1925. Serial No. 218,315. PUBLISHED SEPTEMBER 22, 1925.

206,396. CATTLE-HORN WEIGHTS. ARNOLD A. COURTNEY, doing business as Ever-Tight Horn Weight Co., Ottumwa, Iowa.
Filed August 3, 1925. Serial No. 218,294. PUBLISHED SEPTEMBER 15, 1925.

206,397. SENSITIZED PHOTOGRAPHIC MATERIAL, PARTICULARLY PAPER. ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y.
Filed August 1, 1925. Serial No. 218,237. PUBLISHED SEPTEMBER 15, 1925.

206,398. SENSITIZED PHOTOGRAPHIC MATERIAL, PARTICULARLY PAPER. ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y.
Filed August 1, 1925. Serial No. 218,236. PUBLISHED SEPTEMBER 15, 1925.

206,399. SENSITIZED PHOTOGRAPHIC MATERIAL, PARTICULARLY PAPER. ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y.
Filed August 1, 1925. Serial No. 218,235. PUBLISHED SEPTEMBER 15, 1925.

206,400. NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME—NAMELY, ROOT BEER. SOUTHERN BEVERAGE COMPANY, Galveston, Tex.
Filed July 31, 1925. Serial No. 218,210. PUBLISHED SEPTEMBER 22, 1925.

206,401. ELECTROMAGNETIC THERAPEUTIC APPLIANCES—NAMELY, LIFE BELT AND HEAT PAD. GAYLORD WILSHIRE, doing business as The Iona Company, Los Angeles, Calif.
Filed August 3, 1925. Serial No. 218,348. PUBLISHED SEPTEMBER 15, 1925.

206,402. MALT TONIC. JACKSON BREWING COMPANY, New Orleans, La.
Filed June 29, 1925. Serial No. 216,602. PUBLISHED SEPTEMBER 29, 1925.



206,403. MALTED MILK. DEXTORA COMPANY, Indianapolis, Ind.
Filed June 29, 1925. Serial No. 216,589. PUBLISHED SEPTEMBER 22, 1925.

206,404. BROOMS, BRUSHES USED FOR SCRUBBING AND CLEANING PURPOSES, AND MOPS. SERVICE GROCER COMPANY, INC., Detroit, Mich.
Filed June 26, 1925. Serial No. 216,482. PUBLISHED SEPTEMBER 29, 1925.

206,405. SANDWICH DRESSING MADE OF EGGS, SPICES, AND SWEET RELISH, THE LATTER BEING COMPOSED OF PICKLES, CAULIFLOWER, PIMENTOS, AND MUSTARD SEEDS AND THE LIKE MAYONNAISE AND THOUSAND ISLAND DRESSING. ADAM N. ADLER, Evansville, Ind.
Filed June 23, 1925. Serial No. 216,250. PUBLISHED SEPTEMBER 22, 1925.

206,406. DRAWING INSTRUMENTS. F. WEBER Co., Philadelphia, Pa.
Filed June 17, 1925. Serial No. 215,953. PUBLISHED SEPTEMBER 22, 1925.

206,407. DRIED FIGS PROCESSED BUT NOT CANDIED, AND DATES. ACME FRUIT PACKING CO., INC., New York, N. Y.
Filed June 17, 1925. Serial No. 215,887. PUBLISHED SEPTEMBER 22, 1925.

206,408. PAPER BAGS. OSBORN PAPER COMPANY, Marion, Ind.
Filed June 12, 1925. Serial No. 215,703. PUBLISHED SEPTEMBER 29, 1925.

206,409. ICE CREAM AND SHERBETS. DAVID PEARLSTEIN, doing business as Purity Ice Cream Co., St. Louis, Mo.
Filed June 8, 1925. Serial No. 215,475. PUBLISHED SEPTEMBER 22, 1925.

206,410. TRAVELING BAGS, SUITCASES, PORTFOLIOS, BRIEF CASES, HAND BAGS, TRUNKS, SAMPLE CASES, TELESCOPING CASES, PURSES, POCKETBOOKS, AND PARCEL-CARRYING CASES. THE TRAVELWARE COMPANY, Cleveland, Ohio.
Filed May 23, 1925. Serial No. 214,882. PUBLISHED SEPTEMBER 29, 1925.

206,411. HIGH-TEMPERATURE CEMENT. KING REFRACTORIES COMPANY, INCORPORATED, Buffalo, N. Y.
Filed May 18, 1925. Serial No. 214,482. PUBLISHED SEPTEMBER 22, 1925.

206,412. METALLIC ALLOYS. GOTTHARDWERKE AKTIENGESELLSCHAFT FÜR ELEKTROCHEMISCHE INDUSTRIE, Bodio, Switzerland.
Filed May 4, 1925. Serial No. 213,783. PUBLISHED SEPTEMBER 22, 1925.

206,413. METALLIC ALLOYS. GOTTHARDWERKE AKTIENGESELLSCHAFT FÜR ELEKTROCHEMISCHE INDUSTRIE, Bodio, Switzerland.
Filed May 4, 1925. Serial No. 213,782. PUBLISHED SEPTEMBER 22, 1925.

206,414. BIRCH BEER AND GINGER ALE. BAY CITY BEVERAGE CO., Bay City, Mich.
Filed May 2, 1925. Serial No. 213,684. PUBLISHED SEPTEMBER 29, 1925.

206,415. CANDY, SALTED PEANUTS, PEANUT MEAL PEANUT BUTTER, AND CANDIED PEANUTS. THE PLANTERS NUT & CHOCOLATE COMPANY, Suffolk, Va., and Wilkes-Barre, Pa.
Filed March 26, 1925. Serial No. 211,704. PUBLISHED SEPTEMBER 22, 1925.

206,416. COMPRESSED TABLET FORM OF FOOD PRODUCT COMPRISING CHOCOLATE, NUT MEATS, DESICCATED ANIMAL BLOOD, AND DESICCATED ANIMAL GLANDS. AMERICUS O. MCMICHAEL, Denver, Colo.
Filed March 24, 1925. Serial No. 211,537. PUBLISHED SEPTEMBER 22, 1925.

206,417. COFFEE, TEA, RICE, AND FOOD-FLAVORING EXTRACTS. H. BUSCH & Co. INC., New York, N. Y.
Filed January 19, 1925. Serial No. 208,277. PUBLISHED SEPTEMBER 22, 1925.

206,418. REFRIGERATORS. LACROSSE REFRIGERATOR CORPORATION, La Crosse, Wis.
Filed September 2, 1924. Serial No. 202,125. PUBLISHED SEPTEMBER 22, 1925.

206,419. COMPOSITION PARTITION BLOCKS. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed July 24, 1924. Serial No. 200,465. PUBLISHED SEPTEMBER 22, 1925.

206,420. FORTUNE-TELLING GAME CONSISTING OF A BOARD AND POINTER. WALLACE W. LONG, Detroit, Mich.
Filed October 17, 1923. Serial No. 187,111. PUBLISHED SEPTEMBER 29, 1925.

206,421. CANNED FRUITS—NAMELY, APRICOTS, PEACHES, AND CHERRIES; CANNED VEGETABLES—NAMELY, TOMATOES, PEAS, CORN, AND STRING BEANS; CANNED FISH—NAMELY, SALMON; TEA. THE KROGER GROCERY & BAKING Co., Cincinnati, Ohio.
Filed September 10, 1923. Serial No. 185,601. PUBLISHED MARCH 24, 1925.

206,422. APPLES IN THEIR NATURAL STATE PACKED IN BOXES. TUOLUMNE APPLE GROWERS' ASSOCIATION, Soulsbyville, Calif.
Filed January 3, 1925. Serial No. 207,636. PUBLISHED SEPTEMBER 22, 1925.

206,423. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. HUGH CHARLES SULLIVAN, Frostproof, Fla.
Filed October 18, 1924. Serial No. 204,127. PUBLISHED SEPTEMBER 22, 1925.

206,424. FERTILIZERS. SUMMERS FERTILIZER COMPANY, INC., Baltimore, Md.
Filed March 5, 1925. Serial No. 210,586. PUBLISHED SEPTEMBER 22, 1925.

206,425. CEDAR WOOD. DAVID C. KINNELL, doing business as D. C. Kinnell & Co., Boston, Mass.
Filed March 28, 1925. Serial No. 211,790. PUBLISHED SEPTEMBER 22, 1925.

206,426. WHEAT PROCESSED IN THE CAN UNDER A PATENTED FORMULA. THE DUNN WHEAT COMPANY INC., Lexington, Ky.
Filed April 3, 1925. Serial No. 212,125. PUBLISHED SEPTEMBER 22, 1925.

206,427. WHEAT FLOUR. LESTER W. DANN, doing business as Dann Mill & Grain Co., Murfreesboro, Tenn.
Filed May 2, 1925. Serial No. 213,697. PUBLISHED SEPTEMBER 22, 1925.

206,428. CANNED PEAS. BIG FOUR CANNING COMPANY, Stanley, Wis.
Filed May 11, 1925. Serial No. 214,120. PUBLISHED SEPTEMBER 22, 1925.

206,429. COMPUTING MACHINES. ADDAC COMPANY, Grand Rapids, Mich.
Filed May 25, 1925. Serial No. 214,837. PUBLISHED SEPTEMBER 22, 1925.

206,430. LOCKS AND KEYS. HANS ENGELBRECHT, New York, N. Y.
Filed June 3, 1925. Serial No. 215,239. PUBLISHED SEPTEMBER 22, 1925.

206,431. SAFE LOCKS, VAULT LOCKS, DOOR BOLTS, REAR DOOR BOLTS, AND DOOR PLUGS. ANAKIN SPECIALTY MFG. CO., INC., Long Beach, Calif.
Filed June 11, 1925. Serial No. 215,616. PUBLISHED SEPTEMBER 22, 1925.

206,432. WHEAT FLOUR. NATHAN GITTLESOHN, doing business as Associated Flour Mills Company and Shepherd King Milling Co., Baltimore, Md.
Filed June 19, 1925. Serial No. 216,087. PUBLISHED SEPTEMBER 22, 1925.

206,433. WHEAT FLOUR. COMMANDER MILL COMPANY, Minneapolis, Minn.
Filed June 23, 1925. Serial No. 216,258. PUBLISHED SEPTEMBER 22, 1925.

206,434. SANDWICHES. AMERICAN TOURISTS SERVICE, INC., Racine, Wis.
Filed June 26, 1925. Serial No. 216,446. PUBLISHED SEPTEMBER 22, 1925.

206,435. CARAMELS, CHOCOLATES, CANDIED FRUITS, CANDIED ALMONDS, MACAROONS, OLIVE OIL, CANDIED CHESTNUTS, AND CAKES. JOSEPH PERSONENI, INC., New York, N. Y.
Filed June 30, 1925. Serial No. 216,692. PUBLISHED SEPTEMBER 22, 1925.

206,436. GROUND COFFEE, TEA, FLAVORING EXTRACTS FOR FOODS, AND VINEGAR. FRANCIS J. WILSON, doing business as The Galveston Coffee & Spice Mills, Galveston, Tex.
Filed July 8, 1925. Serial No. 217,059. PUBLISHED SEPTEMBER 22, 1925.

206,437. WHEAT FLOUR. THE GOERZ FLOUR MILLS COMPANY, Newton, Kans.
Filed July 10, 1925. Serial No. 217,146. PUBLISHED SEPTEMBER 22, 1925.

206,438. BITS, TRACE BUCKLES, HARNESS BUCKLES, EXPRESS HOOKS, TWIN LOOPS, STEEL RINGS, AND SNAP HOOKS. O. B. NORTH & CO., New Haven, Conn.
Filed July 10, 1925. Serial No. 217,178. PUBLISHED SEPTEMBER 15, 1925.

206,439. FRESH SEA FOODS—NAMELY, FISH, FISH FILLETS, FISH STEAKS, FISH ROE, CLAMS, OYSTERS, LOBSTERS, CRABS. GENERAL SEAFOODS CORPORATION, Gloucester, Mass.
Filed July 11, 1925. Serial No. 217,219. PUBLISHED SEPTEMBER 22, 1925.

206,440. HOP AND MALT EXTRACT FOR COOKING, BREAD MAKING, AND OTHER FOOD PURPOSES. BLUE RIBBON PRODUCTS CO., Baltimore, Md.
Filed July 15, 1925. Serial No. 217,391. PUBLISHED SEPTEMBER 22, 1925.

206,441. REFRIGERATING MACHINES. IRON MOUNTAIN CO., Chicago, Ill.
Filed July 16, 1925. Serial No. 217,463. PUBLISHED SEPTEMBER 22, 1925.

206,442. STEEL IN BARS. POLDI STEEL CORPORATION OF AMERICA, New York, N. Y.
Filed July 22, 1925. Serial No. 217,736. PUBLISHED SEPTEMBER 22, 1925.

206,443. BRICK AND TILE. WESTERN BRICK COMPANY, Danville, Ill.
Filed July 22, 1925. Serial No. 217,744. PUBLISHED SEPTEMBER 22, 1925.

206,444. PORTLAND CEMENT BASE STUCCO MATERIAL SUITABLE FOR BUILDING PURPOSES. MADE-RITE PRODUCTS CO., St. Louis, Mo.
Filed July 23, 1925. Serial No. 217,792. PUBLISHED SEPTEMBER 22, 1925.

206,445. CASINGS FOR UNDERGROUND STEAM MAINS. AMERICAN DISTRICT STEAM COMPANY, North Tonawanda, N. Y.
Filed July 6, 1925. Serial No. 216,864. PUBLISHED SEPTEMBER 22, 1925.

206,446. BOW STAVES, ARROWS, GOLF-CLUB SHAFTS, BASEBALL BATS, JAVELINS, PARALLEL BARS, VAULTING POLES, FISHING RODS, POLO-MALLET HEADS AND HANDLES, AND POLO BALLS. INTERNATIONAL AGENCIES OF SCHAEFER & HAMILTON, Los Angeles, Calif.
Filed July 6, 1925. Serial No. 216,912. PUBLISHED SEPTEMBER 29, 1925.

206,447. SALAD DRESSINGS. FLORENCE WILLIAMSON, Chicago, Ill.
Filed July 6, 1925. Serial No. 216,958. PUBLISHED SEPTEMBER 22, 1925.

206,448. CRACKERS AND CAKES. THE DAYTON BISCUIT COMPANY, Dayton, Ohio.
Filed July 15, 1925. Serial No. 217,394. PUBLISHED SEPTEMBER 22, 1925.

206,449. BISCUITS. ITEN BISCUIT CO., Omaha, Nebr.
Filed July 16, 1925. Serial No. 217,464. PUBLISHED SEPTEMBER 22, 1925.

206,450. MALT SIRUPS AND MALT EXTRACTS FOR FOOD PURPOSES. THE GOLD STAR PRODUCTS CO., Detroit, Mich.
Filed July 18, 1925. Serial No. 217,557. PUBLISHED SEPTEMBER 22, 1925.

206,451. SELF-RISING WHEAT FLOUR. BIRDSEY FLOUR MILLS, doing business as Sandford Flour Mills, Macon, Ga.
Filed July 20, 1925. Serial No. 217,603. PUBLISHED SEPTEMBER 22, 1925.

206,452. WHEAT FLOUR, CORN MEAL, CORN CHOP, MIXED FEED, GRITS, AND POULTRY FEEDS. STALEY MILLING COMPANY, North Kansas City, Mo.
Filed July 20, 1925. Serial No. 217,645. PUBLISHED SEPTEMBER 22, 1925.

206,453. BUTTER. THE WICHITA CREAMERY COMPANY, Wichita, Kans.
Filed July 20, 1925. Serial No. 217,651. PUBLISHED SEPTEMBER 22, 1925.

206,454. DUST CLOTHS, DUSTERS, DUST MOPS, WATER MOPS, WAX SPREADERS, AND WAX POLISHING BRUSHES. RUBON WOODFINISHING & PRODUCTS CO., Kansas City, Mo.
Filed July 21, 1925. Serial No. 217,685. PUBLISHED SEPTEMBER 29, 1925.

206,455. MAGNESIA BASE STUCCO MATERIAL FOR BUILDING PURPOSES. MADE-RITE PRODUCTS CO., St. Louis, Mo.
Filed July 23, 1925. Serial No. 217,794. PUBLISHED SEPTEMBER 22, 1925.

206,456. MINERAL WATER. PAULSON MEDICINAL WELL COMPANY, Saratoga, Wyo.
Filed July 23, 1925. Serial No. 217,797. PUBLISHED SEPTEMBER 29, 1925.

206,457. SCRATCH FEED, CHICK FEED, LAYING MASH, STOCK FEED, HOG FEED, AND DAIRY FEED. ILLINOIS FEED & ELEVATOR COMPANY, Bloomington, Ill.
Filed July 25, 1925. Serial No. 217,881. PUBLISHED SEPTEMBER 22, 1925.

206,458. TEETHING RINGS. JULIUS SCHMID, INC., New York, N. Y.
Filed July 25, 1925. Serial No. 217,900. PUBLISHED SEPTEMBER 22, 1925.

206,459. FRESH MILK AND CREAM. H. L. BLACK AND SON, INC., Washington, D. C.
Filed July 30, 1925. Serial No. 218,101. PUBLISHED SEPTEMBER 22, 1925.

206,460. MEDICINE FOR GONORRHEA AND URINARY CANALS. RICARDO CABANES, San Antonio, Tex.
Filed July 26, 1924. Serial No. 200,544. PUBLISHED SEPTEMBER 8, 1925.

206,461. MEDICINE FOR INDIGESTION, CHRONIC CONSTIPATION, AND SPLEEN, LIVER, AND KIDNEY INFECTIONS. RICARDO CABANES, doing business as The Chemical Laboratory, San Antonio, Tex.
Filed December 13, 1924. Serial No. 206,655. PUBLISHED SEPTEMBER 8, 1925.

206,462. MEDICATED CHEWING GUM. DENTAL CHEMICAL COMPANY, Ottumwa, Iowa.
Filed July 6, 1925. Serial No. 216,887. PUBLISHED SEPTEMBER 15, 1925.



206,463. RARE EARTHS POSSESSING ACTIVITY IN THE ELIMINATION OF TOXINS PRODUCED IN THE COLON BY BACTERIAL ACTION. CHARLES FRANK WHITING COOK, doing business as Herbert & Whiting Company, Brooklyn, N. Y.
Filed July 25, 1925. Serial No. 217,862. PUBLISHED SEPTEMBER 8, 1925.

206,464. FRESH MILK AND CREAM. H. L. BLACK AND SON, INC., Washington, D. C.
Filed July 30, 1925. Serial No. 218,102. PUBLISHED SEPTEMBER 22, 1925.

206,465. NONALCOHOLIC, MALTLESS SIRUPS AND EXTRACTS USED IN THE PREPARATION OF SOFT DRINKS. ALLIED FRUIT & EXTRACT CO., INC., New York, N. Y.
Filed June 18, 1925. Serial No. 215,956. PUBLISHED SEPTEMBER 22, 1925.

206,466. HEATING APPARATUS—NAMELY, BOILERS, VALVES, AND PARTS APPURTENANT THERETO. GORTON & LIDGERWOOD CO., New York, N. Y.
Filed June 19, 1925. Serial No. 216,039. PUBLISHED SEPTEMBER 15, 1925.

206,467. PRESERVED FRUITS, JAMS, MARSHMALLOW TOPPING, MARMALADE, CRUSHED FRUITS, NUTS IN SIRUP FOR SUNDAES, AND FLAVORING PREPARATIONS FOR USE IN MAKING SUNDAES. HUDSON VALLEY PURE FOOD COMPANY, INC., Highland, N. Y.
Filed June 22, 1925. Serial No. 216,181. PUBLISHED SEPTEMBER 22, 1925.

206,468. ENAMELED AND PAINTED SLATE PRODUCTS, PARTICULARLY CAPS AND BASES, FOR COLUMNS, WAINSCOTS, SILLS, COPING, HEARTHS, FIREPLACES, PLINTHS, AND SHELVES. THE STRUCTURAL SLATE CO., Pen Argyl, Pa.
Filed June 22, 1925. Serial No. 216,232. PUBLISHED SEPTEMBER 15, 1925.

206,469. ULTRA-VIOLET-RAY TUBES AND LAMPS. LADISLAUS SLOMINSKI, Des Moines, Iowa.
Filed July 1, 1925. Serial No. 216,747. PUBLISHED SEPTEMBER 15, 1925.

206,470. CARBONATED, NONALCOHOLIC, NONCEREAL MALTLESS BEVERAGES. DIXIE COCA COLA BOTTLING WORKS, Bristol, Va.
Filed July 8, 1925. Serial No. 216,824. PUBLISHED SEPTEMBER 15, 1925.

206,471. GARAGE-DOOR HOLDERS. THE GESING BROTHERS COMPANY, Cleveland, Ohio.
Filed July 3, 1925. Serial No. 216,829. PUBLISHED SEPTEMBER 15, 1925.

206,472. IRON AND STEEL SHEETS AND PLATES. WHEELING STEEL CORPORATION, Wheeling, W. Va.
Filed July 7, 1925. Serial No. 217,001. PUBLISHED SEPTEMBER 15, 1925.

206,473. PIPE FITTINGS AND VALVES. WALWORTH MANUFACTURING COMPANY, Boston, Mass.
Filed July 9, 1925. Serial No. 217,128. PUBLISHED SEPTEMBER 15, 1925.

206,474. SOLDER. THE WATERBURY BRASS GOODS CORPORATION, Waterbury, Conn.
Filed July 10, 1925. Serial No. 217,194. PUBLISHED SEPTEMBER 15, 1925.

206,475. STEEL CASTINGS. NUGENT STEEL CASTINGS COMPANY, Chicago, Ill.
Filed July 13, 1925. Serial No. 217,288. PUBLISHED SEPTEMBER 15, 1925.

206,476. DUSTPANS. MRS. VENORA A. WHEELER, Forty Fort, Kingston, Pa.
Filed July 14, 1925. Serial No. 217,379. PUBLISHED SEPTEMBER 15, 1925.

206,477. SASH ADJUSTERS. W. E. PUTNAM CO., Worcester, Mass.
Filed July 27, 1925. Serial No. 217,956. PUBLISHED SEPTEMBER 15, 1925.

206,478. CALCIMINE. THE CHICAGO WHITE LEAD & OIL CO., Chicago, Ill.
Filed July 28, 1925. Serial No. 217,989. PUBLISHED SEPTEMBER 22, 1925.

206,479. PAINT FOR GALVANIZED IRON AND OTHER METALS. THE CHICAGO WHITE LEAD & OIL CO., Chicago, Ill.
Filed July 28, 1925. Serial No. 217,989. PUBLISHED SEPTEMBER 22, 1925.

206,480. PAINT AND VARNISH REMOVERS. THE CHICAGO WHITE LEAD & OIL CO., Chicago, Ill.
Filed July 28, 1925. Serial No. 217,992. PUBLISHED SEPTEMBER 22, 1925.

206,481. LIQUID PAINT, PASTE PAINTS, HOUSE PAINTS, FLOOR PAINTS, PAINT ENAMELS, WOOD STAINS, GRAPHITE PAINTS, FLAT PAINTS, CARRIAGE PAINTS, AUTOMOBILE PAINTS, BLACKBOARD SLATING PAINTS, PUTTY, WOOD FILLERS, MACHINERY PAINT, COLORS GROUND IN OIL, COLORS GROUND IN JAPAN, VARNISHES, WATER PUTTY, FLOOR WAX, DRY COLORS, LINSEED OIL, AND WHITE LEAD. THE CHICAGO WHITE LEAD & OIL CO., Chicago, Ill.
Filed July 28, 1925. Serial No. 217,993. PUBLISHED SEPTEMBER 22, 1925.

206,482. LINSEED OIL. THE PORTLAND LINSEED OIL WORKS, INC., Portland, Oreg.
Filed July 30, 1925. Serial No. 218,142. PUBLISHED SEPTEMBER 22, 1925.

206,483. ARCH SUPPORTS, HEEL LEVELERS, HEEL RESTS, HEEL LINERS, BUNION SHIELDS, CORN PADS, CALLUS PADS, AND BUNION PADS. WIZARD LIGHTFOOT APPLIANCE COMPANY, St. Louis, Mo.
Filed July 30, 1925. Serial No. 218,149. PUBLISHED SEPTEMBER 15, 1925.

206,484. METAL ALLOYS. NOAK VICTOR HYBINETTE, doing business as Victor Hybinette, Wilmington, Del.
Filed July 31, 1925. Serial No. 218,183. PUBLISHED SEPTEMBER 15, 1925.

206,485. CANNED FRUITS. CAMPBELL HOLTON & CO., Bloomington, Ill.
Filed October 7, 1924. Serial No. 203,509. PUBLISHED SEPTEMBER 22, 1925.

206,486. FRESH APPLES. THOMAS W. MILLER, Nephi, Utah.
Filed December 13, 1924. Serial No. 206,678. PUBLISHED SEPTEMBER 22, 1925.

206,487. FRUIT CONCENTRATE FOR MAKING JELLY. BROCTON JELLY PRODUCTS CO., Brocton, N. Y.
Filed April 21, 1924. Serial No. 195,860. PUBLISHED SEPTEMBER 22, 1925.

206,488. CANDY COMPOSED OF CHOCOLATE-COATED FRUIT. LANCELOT CHOWDOWN JOHNSON, Paducah, Ky.
Filed February 20, 1925. Serial No. 209,921. PUBLISHED SEPTEMBER 22, 1925.

206,489. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. DITTA GIUSEPPE ALBERTI, Benevento, Italy.
Filed May 7, 1925. Serial No. 213,955. PUBLISHED SEPTEMBER 22, 1925.

206,490. CANDY. BUNTE BROTHERS, Chicago, Ill.
Filed May 11, 1925. Serial No. 214,123. PUBLISHED SEPTEMBER 22, 1925.

206,491. CANNED PEAS, CORN, AND TOMATOES. THE EASTON CANNING CORPORATION, Easton, Md.
Filed June 20, 1925. Serial No. 216,091. PUBLISHED SEPTEMBER 22, 1925.

206,492. CANNED VEGETABLES—NAMELY, TOMATOES, CORN, AND PEAS; CANNED FRUITS—NAMELY, PINEAPPLE, PLUMS, AND PEACHES; CANNED FISH—NAMELY, SALMON. SOUTH CHICAGO WHOLESALE GROCERY, South Chicago, Ill.
Filed July 6, 1925. Serial No. 216,945. PUBLISHED SEPTEMBER 22, 1925.

206,493. CANNED FRUITS AND CANNED BERRIES—NAMELY, PEARS, BLACKBERRIES, BLACK RASPBERRIES, AND RED RASPBERRIES. SPRINGBROOK PACKING CO., Springbrook, Oreg.
Filed July 6, 1925. Serial No. 216,946. PUBLISHED SEPTEMBER 22, 1925.

206,494. COFFEE. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed July 9, 1925. Serial No. 217,087. PUBLISHED SEPTEMBER 22, 1925.

206,495. MASSAGE DEVICES. FRANCES JORDAN, INCORPORATED, Philadelphia, Pa.
Filed July 13, 1925. Serial No. 217,278. PUBLISHED SEPTEMBER 22, 1925.

206,496. ELECTRIC PORTABLE LAMPS USED FOR MEDICINAL PURPOSES AND BULBS THEREFOR. S. W. FARBER, INC., Brooklyn, N. Y.
Filed July 15, 1925. Serial No. 217,397. PUBLISHED SEPTEMBER 22, 1925.

206,497. PROJECTION APPARATUS, PHOTOGRAPHIC FILMS, AND MOTION-PICTURE SCREENS. WYKO PROJECTOR CORPORATION, New York, N. Y.
Filed July 15, 1925. Serial No. 217,488. PUBLISHED SEPTEMBER 22, 1925.

206,498. RESORBENT TAMPONADE FOR STOPPING BLOOD AND FOR PLASTERING OPERATIVE DEFECTS OF THE BONE AND SOFT ORGANISM. PEARSON & CO. AKTIENGESELLSCHAFT, Hamburg, Germany.
Filed July 17, 1925. Serial No. 217,526. PUBLISHED SEPTEMBER 22, 1925.

206,499. ICE CREAM. CHAPIN-SACKS CORPORATION, Washington, D. C.
Filed July 22, 1925. Serial No. 217,696. PUBLISHED SEPTEMBER 22, 1925.

206,500. BATTERY TESTERS. HEYER PRODUCTS COMPANY, INC., Montclair, N. J.
Filed July 25, 1925. Serial No. 217,876. PUBLISHED SEPTEMBER 22, 1925.

206,501. APPLIANCE FOR HOLDING THE MOUTH CLOSED WHILE SLEEPING AND ALSO FOR HOLDING BACK THE EARS. SARAH M. MONTGOMERY, Baltimore, Md.
Filed July 25, 1925. Serial No. 217,891. PUBLISHED SEPTEMBER 22, 1925.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)].

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

206,502. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BOONVILLE MINERAL SPRING COMPANY, Boonville, N. Y. Filed Oct. 9, 1925. Serial No. 221,475.

LIME DE MINT

*Particular description of goods.*—Nonalcoholic, Maltless Carbonated Beverages.
*Claims use* since Mar. 1, 1920.

206,503. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CRESTA BLANCA LIQUID SUNSHINE, INC., San Francisco, Calif. Filed Sept. 30, 1925. Serial No. 220,998.

HONOLULU

*Particular description of goods.*—Nonalcoholic, Maltless Beverages Sold As Soft Drinks.
*Claims use* since Aug. 8, 1924.

206,504. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SUSQUEHANNA SILK MILLS, New York, N. Y. Filed Sept. 17, 1925. Serial No. 220,376.

Roydon

*Particular description of goods.*—Textile Fabrics—Namely, Silk Piece Goods and Silk and Cotton Piece Goods.
*Claims use* since Apr. 29, 1924.

206,505. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARRETT POTATO CHIP COMPANY, Atlanta, Ga. Filed Sept. 14, 1925. Serial No. 220,210.

GARDNER

*Particular description of goods.*—Potato Chips, Salted Peanuts, and Peanut-Butter Sandwiches.
*Claims use* since May 28, 1924.

206,506. (CLASS 45. BEVERAGES, NONALCOHOLIC.) RYCROFT ARCTIC SODA CO., LIMITED, Honolulu, Territory of Hawaii. Filed Aug. 17, 1925. Serial No. 219,005.

Rycroft
HAWAIIAN DRY

*Particular description of goods.*—Ginger Ale.
*Claims use* since Oct. 20, 1924.



206,507. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Dec. 8, 1924. Serial No. 206,458.

Herford

*Particular description of goods.*—Foot, Hand, Basket, Tennis, and Golf Balls; Tennis and Squash Rackets, Tennis Posts, Golf Sticks, Dumb-Bells, and Indian Clubs.
*Claims use* since Sept. 19, 1924.

206,508. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Dec. 8, 1924. Serial No. 206,454.

REIGATE

*Particular description of goods.*—Foot, Hand, Basket, Tennis, and Golf Balls; Tennis and Squash Rackets, Tennis Posts, Golf Sticks, Dumb-Bells, and Indian Clubs.
*Claims use* since Sept. 19, 1924.

206,509. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Dec. 8, 1924. Serial No. 206,452.

WOLVERHAMPTON

*Particular description of goods.*—Foot, Hand, Basket, Tennis, and Golf Balls; Tennis and Squash Rackets, Tennis Posts, Golf Sticks, Dumb-Bells, and Indian Clubs.
*Claims use* since Sept. 19, 1924.

206,510. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Dec. 8, 1924. Serial No. 206,449.

St. Albans

*Particular description of goods.*—Foot, Hand, Basket, Tennis, and Golf Balls; Tennis and Squash Rackets, Tennis Posts, Golf Sticks, Dumb-Bells, and Indian Clubs.
*Claims use* since Sept. 19, 1924.

206,511. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SHULMAN & SONS, New York, N. Y. Filed Nov. 19, 1924. Serial No. 205,559.

TROPHY

*Particular description of goods.*—Baseballs, Baseball Bats, Baseball Gloves, Baseball Mitts, Rugby Footballs, Football Bladders, Basket Balls, Basket-Ball Bladders, Striking Bags, Striking-Bag Bladders, Volley Balls, Volley-Ball Bladders, Golf Balls, Golf Clubs, Boxing Gloves, Handballs, Tennis Balls, Tennis Rackets, Tennis Nets, Tennis-Racket Frames, Tennis-Racket Presses, Soccer Footballs, Ice Skates, and Roller Skates.
*Claims use* since about Oct. 25, 1924.

206,512. (CLASS 45. BEVERAGES, NONALCOHOLIC.) AMERICAN SODA WATER COMPANY, St. Louis, Mo. Filed Oct. 18, 1924. Serial No. 203,777.

Lemon Dry

*Particular description of goods.*—Nonalcoholic, Maltless Beverages Sold As Soft Drink.
*Claims use* since June 16, 1924.

206,513. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LEWIS MANUFACTURING COMPANY, Walpole, Mass., assignor, by mesne assignments, to First National Bank of Boston, Boston, Mass., a Corporation of Massachusetts, and Olaf Olsen, Milton, Mass., trustees. Filed Sept. 25, 1924. Serial No. 203,044.

DISPENSARY

*Particular description of goods.*—Absorbent Cotton.
*Claims use* since early part of 1912.

206,514. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LEWIS MANUFACTURING COMPANY, Walpole, Mass., assignor, by mesne assignments, to First National Bank of Boston, Boston, Mass., a Corporation of Massachusetts, and Olaf Olsen, Milton, Mass., trustees. Filed Sept. 25, 1924. Serial No. 203,043.

CLINIC

*Particular description of goods.*—Absorbent Cotton.
*Claims use* since 1915.

206,515. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LEWIS MANUFACTURING COMPANY, Walpole, Mass., assignor, by mesne assignments, to First National Bank of Boston, Boston, Mass., a Corporation of Massachusetts, and Olaf Olsen, Milton, Mass., trustees. Filed Sept. 25, 1924. Serial No. 203,042.

INFIRMARY

*Particular description of goods.*—Absorbent Cotton.
*Claims use* since about Jan. 24, 1923.

206,516. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Filed Aug. 13, 1924. Serial No. 201,330.

IMPROVED CHOCOLATE

*Particular description of goods.*—A Prepared Chocolate Sirup.
*Claims use* since about Dec. 23, 1921.

206,517. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT E. ROBERTS, doing business as Roberts Drug Co., Marshall, N. C. Filed Oct. 16, 1925. Serial No. 221,852.

COLD-BUSTERS

*Particular description of goods.*—Medicine for the Treatment of Colds, La Grippe, and Neuralgia.
*Claims use* since January, 1924.

206,518. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES B. AINSCOE, Gulfport, Miss. Filed Oct. 10, 1925. Serial No. 221,530.

Alice Ainscoe's
Beauty Bleach
An Exquisite Preparation for Mi-Lady's Toilette

*Particular description of goods.*—Skin Bleach.
*Claims use* since June 1, 1924.

206,519. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) POLLARD-ALLING MANUFACTURING COMPANY, New York, N. Y. Filed Aug. 8, 1925. Serial No. 218,573.

POLLARD-ALLING

*Particular description of goods.*—Letter-Embossing Machines, Addressing Machines, Wrapper and Proof Printing Machines, and Mailer-Strip-Printing Machines.
*Claims use* since 1900.

206,520. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GILBERT J. EASTON, INC., Newark, N. J. Filed Aug. 5, 1925. Serial No. 218,397.

EASTON'S

*Particular description of goods.*—Mayonnaise and Thousand Island Dressing.
*Claims use* for not less than one year.

206,521. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES P. GROGAN CO. INC., Los Angeles, Calif. Filed Aug. 1, 1925. Serial No. 218,257.

GROGAN'S

*Particular description of goods.*—Olives.
*Claims use* since January, 1900.

206,522. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JAMES R. LAWSON, Dallas, Tex. Filed July 27, 1925. Serial No. 217,937.

STIXTITE

*Particular description of goods.*—Cold Patches, Blow-Out Patches, and Boots.
*Claims use* since Jan. 1, 1918.

206,523. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GLENDORA CITRUS ASSOCIATION, Glendora, Calif. Filed July 18, 1925. Serial No. 217,554.

HOME

*Particular description of goods.*—Fresh Citrous Fruits.
*Claims use* since 1912.



206,524. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BARRETT-CRAVENS COMPANY, Chicago, Ill. Filed Apr. 13, 1925. Serial No. 212,588.

BARRETT

*Particular description of goods.*—Lift Trucks and Portable Elevators.
*Claims use* since Jan. 1, 1914, on lift trucks and since Sept. 1, 1922, on portable elevators.

206,525. (CLASS 15. OILS AND GREASES.) GILMORE OIL COMPANY, Los Angeles, Calif. Filed Dec. 20, 1924. Serial No. 207,010.

BEVERLY

*Particular description of goods.*—Gasoline, Kerosene, Lubricating Oil, Fuel Oil, Greases for Lubricating Purposes, Engine Distillate.
*Claims use* since Oct. 1, 1924.

206,526. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CONSTANTINE LEVENTIS, Detroit, Mich. Filed Dec. 18, 1924. Serial No. 206,906.

LEVENTIS'
HUMANIZED POLYVALENT SERUM

*Particular description of goods.*—Serum for the Treatment of Pulmonary and Surgical Tuberculosis.
*Claims use* since Sept. 15, 1924.

206,527. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFRED G. ROETHER, Toledo, Ohio. Filed Dec. 5, 1924. Serial No. 206,329.

ROETHER'S

*Particular description of goods.*—Pickled Pigs' Feet.
*Claims use* since June 1, 1924.

206,528. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KLORINE CHEMICAL CO., Indianapolis, Ind. Filed Oct. 30, 1924. Serial No. 204,609.

KLORINE
FOR KOLDS

*Particular description of goods.*—Pharmaceutical Preparation Used for the Treatment of Colds and Respiratory Infections.
*Claims use* since Oct. 10, 1924.

206,529. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEST COAST CREAMERIES, Oakland, Calif. Filed Oct. 18, 1924. Serial No. 204,186.

CALIFORNIA

*Particular description of goods.*—Butter.
*Claims use* since Apr. 1, 1921.

206,530. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Sept. 30, 1924. Serial No. 203,227.

BRET

*Particular description of goods.*—Dress and Negligee Shirts.
*Claims use* since Sept. 13, 1924.

206,531. (CLASS 12. CONSTRUCTION MATERIALS.) THE SULLIVAN COMPANY, Memphis, Tenn. Filed Sept. 4, 1925. Serial No. 219,859.

E-Z PATCH

*Particular description of goods.*—A Composition for Patching Cement and Concrete Surfaces.
*Claims use* since Apr. 1, 1924.

206,532. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRANKLIN NEEDLE COMPANY, Franklin, N. H. Filed Sept. 3, 1925. Serial No. 219,737.

FRANKLIN

*Particular description of goods.*—Flat Metal Specialties and Mill Supplies—Namely, Latch Needles of All Descriptions for Use on Circular and Flat Knitting Machines, Transfer Points of All Descriptions, Sinkers, Points, Transfer Jacks.
*Claims use* since December, 1918.

206,533. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VICTOR FOOD CORPORATION, Victor, N. Y. Filed Sept. 5, 1925. Serial No. 219,922.

Ontario

*Particular description of goods.*—Canned Fruits and Berries.
*Claims use* since Oct. 15, 1924.

206,534. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMSTERDAM BROOM COMPANY, Amsterdam, N. Y. Filed Sept. 9, 1925. Serial No. 220,007.

"AMSTERDAM"

*Particular description of goods.*—Brooms.
*Claims use* since May, 1914.

206,535. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORWOOD PHARMACEUTICAL COMPANY, Chicago, Ill. Filed Sept. 21, 1925. Serial No. 220,568.

DR TRIPP'S
Liquor Rheumatica

*Particular description of goods.*—Preparation for the Treatment of Rheumatism and of Kindred Diseases.
*Claims use* for not less than one year.

206,536. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VICTOR FOOD CORPORATION, Victor, N. Y. Filed Sept. 3, 1925. Serial No. 219,791.

Bluefield

*Particular description of goods.*—Canned Fruits, Berries, and Vegetables.
*Claims use* since Aug. 12, 1924.

206,537. (CLASS 2. RECEPTACLES.) ELGIN AMERICAN MANUFACTURING CO., Elgin, Ill. Filed Aug. 13, 1925. Serial No. 218,800.

Elgin Vanity

*Particular description of goods.*—Cosmetic Containers—viz, Powder Boxes, Rouge Boxes, Vanity Cases, Perfume Vials, Lip-Stick Holders, and Eyebrow-Pencil Holders, the Same Being Made of Nickel.
*Claims use* since Feb. 29, 1924.

206,538. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 10, 1925. Serial No. 218,627.

Wendover

*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since Oct. 18, 1924.

206,539. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAROLD H. FRIES, doing business as Fries Bros., New York, N. Y. Filed Aug. 8, 1925. Serial No. 218,547.

GLYCO-ESTER

*Particular description of goods.*—Solvents for Flavoring Extracts.
*Claims use* since May 15, 1923.

206,540. (CLASS 14. METALS AND METAL CASTINGS, AND FORGINGS.) FRANKLIN CORE ROD & GAGGER COMPANY, Franklin, Pa. Filed July 23, 1925. Serial No. 217,766.

FRANKLIN

*Particular description of goods.*—Gaggers Formed From Square Twisted Steel Bars.
*Claims use* since on or about Aug. 1, 1911.



206,541. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST G. BOUTILLIER, Canton, Mass. Filed July 17, 1925. Serial No. 217,500.

ARROW

*Particular description of goods.*—Healing Salve.
*Claims use* since Jan. 1, 1912.

206,542. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) BETTER BRUSHES, INC., Palmer, Mass. Filed Apr. 22, 1925. Serial No. 213,112.

BETTER BRUSHES

*Particular description of goods.*—Dusters, Stove Dauber, Dry Mop, Stove Duster, Wet Mop, Stair Brush, Scrub Brush, Brooms, Sink Brush, Wall Brush, Record Brush, Radiator Brush, Smoker's-Pipe Brush, Toilet-Bowl Brush, Tumbler Brush, Utility Brush, Clothes Brush, Black Washbowl Brush, Twisted Hairbrush, Bottle Brush, Percolator Brush, Pastry Brush, Bath Brush, Dental Plate Brush, Flesh Brush, Manicure Brush, Skirt Brush, Military Brushes, Hairbrush, Toothbrushes, Hand Brush, Collapsible Shaving Brush.
*Claims use* since about Nov. 1, 1922.

206,543. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM G. SCHINDLER, Boston 26, Mass. Filed Jan. 30, 1925. Serial No. 208,873.

MRS. ADAMS
HOME CREAM MADE
DOUGHNUTS

*Particular description of goods.*—Doughnuts.
*Claims use* since May 21, 1921.

206,544. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WILLIAM A. LOHLKER, Pasadena, Calif. Filed Nov. 6, 1924. Serial No. 204,916.

Slip-Not

*Particular description of goods.*—Rubber Shoes for Ladders and Trestles.
*Claims use* since Oct. 14, 1924.

206,545. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Dec. 8, 1924. Serial No. 206,455.

SURREY

*Particular description of goods.*—Footballs, Handballs, Basketballs, Tennis Balls, Golf Balls, Tennis Rackets, Squash Rackets, Tennis Posts, Golf Sticks, Dumb-Bells, and Indian Clubs.
*Claims use* since Sept. 19, 1924.

206,546. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LUDLUM & CARLAND, New York, N. Y. Filed Oct. 28, 1924. Serial No. 204,516.

*Particular description of goods.*—All-Cotton Crêpe in the Piece.
*Claims use* since Oct. 15, 1924.

206,547. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HAGAN COAL MINES, INC., Albuquerque, N. Mex. Filed Sept. 8, 1924. Serial No. 202,341.

HAGAN COAL
BEST IN H THE WEST

*Particular description of goods.*—Coal.
*Claims use* since June 1, 1924.

206,548. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) LIEBMANN BREWERIES, INC., Brooklyn, N. Y. Filed Sept. 27, 1924. Serial No. 203,133.

GOOD OLD
SCOTCH
BREW

*Particular description of goods.*—Malt Beverages.
*Claims use* since about May 24, 1922.

206,549. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925. Serial No. 220,829.

NO-WASTE

AMERICAN STORES CO.

*Particular description of goods.*—Dried Beef and Sliced Bacon.
*Claims use* since Feb. 12, 1919.

206,550. (CLASS 2. RECEPTACLES.) ATLAS PLYWOOD CORPORATION, Boston, Mass. Filed Sept. 23, 1925. Serial No. 220,632.

CARRY THE WEIGHT
SAVE FREIGHT

*Particular description of goods.*—Packing Cases, Shipping Cases, Shooks, Knock Down Boxes, Butter Tubs, and Furniture Boxes.
*Claims use* since July 22, 1914.

206,551. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DELACROIX LABORATORIES INC., New York, N. Y. Filed Aug. 28, 1925. Serial No. 219,477.

Delacroix
GUAYACEROL

*Particular description of goods.*—Health-Building Tonic.
*Claims use* since June 1, 1921.

## TRADE-MARK REGISTRATIONS RENEWED

45,241. PLUG, CUT-PLUG, AND SMOKING TOBACCO. Registered August 8, 1905. JOSEPH G. DILL, INC., Richmond, Va. Renewed August 8, 1925, to J. G. Dill Company, Incorporated, Richmond, Va., and New York, N. Y., a Corporation of Virginia, assignee.

45,522. BAKING AND YEAST POWDERS. Registered August 22, 1905. MARY C. YOUNG. Renewed August 22, 1925, to Gulf Manufacturing Company, Limited, New Orleans, La., a Corporation of Louisiana, successor.

45,530. HOSIERY. Registered August 22, 1905. MASCOT KNITTING MILLS. Renewed August 22, 1925 to Sweetwater Hosiery Mills, Sweetwater, Tenn., a Corporation of Tennessee, successor.

46,247. CARTRIDGES. Registered September 12, 1905. SELBY SMELTING & LEAD COMPANY, San Francisco, Calif. Renewed September 12, 1925, to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey, successor.

46,248. CARTRIDGES. Registered September 12, 1905. SELBY SMELTING & LEAD COMPANY, San Francisco, Calif. Renewed September 12, 1925, to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey, successor.

46,249. CARTRIDGES. Registered September 12, 1905. SELBY SMELTING AND LEAD COMPANY, San Francisco, Calif. Renewed September 12, 1925, to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey, successor.

46,251. RODS, SHEETS, WIRE, PLATES, TUBES, INGOTS, AND CASTINGS FORMED OF METAL ALLOYS. Registered September 12, 1905. THE ANSONIA BRASS & COPPER COMPANY, Ansonia, Conn. Renewed September 12, 1925, to The American Brass Company, Waterbury, Conn., a Corporation of Connecticut, assignee.

46,329. HAIR COLORING. Registered September 12, 1905. IMPERIAL CHEMICAL MFG. CO., New York, N. Y., a Corporation of New York. Renewed September 12, 1925.

46,581. CIGARS. Registered September 26, 1905. Y. PENDAS & ALVAREZ. Renewed September 26, 1925, to Biagio Midulla, doing business as B. Midulla Company, New York, N. Y., successor.

46,590. CORSETS. Registered September 26, 1905. CHAS. A. STEVENS & BROS., Chicago, Ill., a Corporation of Illinois. Renewed September 26, 1925.

46,677. HYDRAULIC HOSE. Registered October 3, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Renewed October 3, 1925, to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, successor.

46,784. SILKS. Registered October 3, 1905. JOSEPH B. WHITNEY. Renewed October 3, 1925, to The Brilliant Silk Mfg. Co. Inc., New York, N. Y., a Corporation of New York, assignee.

46,905. COTTON PIECE GOODS. Registered October 17, 1905. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass., a Corporation of Massachusetts. Renewed October 17, 1925.



46,907. COTTON PIECE GOODS. Registered October 17, 1905. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass., a Corporation of Massachusetts. Renewed October 17, 1925.

46,908. COTTON PIECE GOODS. Registered October 17, 1905. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass., a Corporation of Massachusetts. Renewed October 17, 1925.

46,975. DENTAL CUTTERS. Registered October 17, 1905. BUFFALO DENTAL MANUFACTURING CO., Buffalo, N. Y., a Corporation of New York. Renewed October 17, 1925.

47,006. FABRIC HOSE. Registered October 17, 1905. EUREKA FIRE HOSE COMPANY, Jersey City, N. J. Renewed October 17, 1925, to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, successor.

47,008. COTTON PIECE GOODS. Registered October 17, 1905. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass., a Corporation of Massachusetts. Renewed October 17, 1925.

47,016. PAINT PIGMENTS. Registered October 17, 1905. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a Corporation of Ohio. Renewed October 17, 1925.

47,036. A COMPOUND SEASONING SPICE. Registered October 24, 1905. E. R. DURKEE & Co., Elmhurst, New York, N. Y. Renewed October 24, 1925.

47,100. HEATING AND COOKING STOVES, FURNACES, AND RANGES AND ALL PARTS ADAPTED TO BE USED IN CONNECTION THEREWITH. Registered October 24, 1905. DETROIT STOVE WORKS, Detroit, Mich., a Corporation of Michigan. Renewed October 24, 1925.

47,493. CANNED VEGETABLES. Registered November 7, 1905. PORTLAND PACKING COMPANY, Portland, Me. Renewed November 7, 1925.

47,494. CANNED VEGETABLES. Registered November 7, 1905. PORTLAND PACKING COMPANY, Portland, Me. Renewed November 7, 1925.

47,495. CANNED VEGETABLES. Registered November 7, 1905. PORTLAND PACKING COMPANY, Portland, Me. Renewed November 7, 1925.

47,743. STARCH. Registered November 21, 1905. E. R. DURKEE & Co., Elmhurst, New York, N. Y. Renewed November 21, 1925.

47,744. STARCH. Registered November 21, 1905. E. R. DURKEE & Co., Elmhurst, New York, N. Y. Renewed November 21, 1925.

47,788. THERMOMETER TUBES. Registered November 21, 1905. BUFFALO DENTAL MANUFACTURING CO., Buffalo, N. Y., a Corporation of New York. Renewed November 21, 1925.

47,934. GLASS CHIMNEYS, LANTERN GLOBES, AND REFLECTORS. Renewed November 28, 1905. GILL BROTHERS COMPANY, Steubenville, Ohio, a Corporation of Ohio. Renewed November 28, 1925.

48,170. VARNISH AND JAPAN. Registered December 12, 1905. MAYER & LOEWENSTEIN. Renewed December 12, 1925, to Mayer & Loewenstein, New York, N. Y., a Corporation of New York, successor.

48,217. CARTRIDGES. Registered December 19, 1905. SELBY SMELTING AND LEAD COMPANY, San Francisco, Calif. Renewed December 19, 1925, to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey, successor.

48,379. CARTRIDGES. Registered December 26, 1905. SELBY SMELTING AND LEAD COMPANY, San Francisco, Calif. Renewed December 26, 1925, to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey, successor.

48,471. LAUNDRY AND TOILET SOAP. Registered January 2, 1906. FRANK GAINS BURKE. Renewed January 2, 1926, to Manhattan Soap Company, Inc., New York, N. Y., a Corporation of New York, successor.

48,476. FERTILIZERS. Registered January 2, 1906. FEDERAL CHEMICAL CO. Renewed January 2, 1926, to Federal Chemical Co., Louisville, Ky., a Corporation of Kentucky, assignee.

48,855. MEDICINAL AND CHEMICAL PREPARATIONS. Registered January 16, 1906. Dr. D. JAYNE & SON, Philadelphia, Pa. Renewed January 16, 1926.

48,856. MEDICINAL AND CHEMICAL PREPARATIONS. Registered January 16, 1906. Dr. D. JAYNE & SON, Philadelphia, Pa. Renewed January 16, 1926.

48,857. MEDICINAL AND CHEMICAL PREPARATIONS. Registered January 16, 1906. Dr. D. JAYNE & SON, Philadelphia, Pa. Renewed January 16, 1926.

48,912. CERTAIN NAMED LEATHER GOODS. Registered January 16, 1906. C. F. RUMPP & SONS, INC., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed January 16, 1926.

48,913. METAL ORNAMENTS. Registered January 16, 1906. C. F. RUMPP & SONS, INC., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed January 16, 1926.

48,946. WRITING INKS AND WRITING FLUIDS OF ALL KINDS. Registered January 16, 1906. THE CARTER'S INK COMPANY, Boston, Mass., and New York, N. Y. Renewed January 16, 1926, to The Carter's Ink Company, Cambridge, Mass., a Corporation of Massachusetts.

48,975. WHEAT FLOUR. Registered January 16, 1906. ACME MILLING COMPANY. Renewed January 16, 1926, to Acme-Evans Company, Indianapolis, Ind., a Corporation of Indiana, assignee.

49,026. STUFFING FOR LEATHER. Registered January 23, 1906. WILLIAM L. ALEXANDER, Emlenton, Pa. Renewed January 23, 1926.

49,097. CANDIES. Registered January 23, 1906. HAWLEY & HOOPS, New York, N. Y. Renewed January 23, 1926.

49,149. VERMIFUGE. Registered January 23, 1906. B. A. FAHNESTOCK CO., Pittsburgh, Pa. Renewed January 23, 1926.

49,184. DYE COLORS. Registered January 30, 1906. W. CUSHING & CO. Renewed January 30, 1926, to Caleb H. Cushing, doing business as W. Cushing & Co., Foxcroft, Me., successor.

49,242. POLISHES FOR WOOD, METAL, MARBLE, AND GLASS. Registered January 30, 1906. C. H. SMITH & CO. Renewed January 30, 1926, to Charles H. Smith, doing business as C. H. Smith & Co., Boston, Mass.

49,319. COTTON PIECE GOODS. Registered January 30, 1906. TREMONT & SUFFOLK MILLS, Lowell, Mass. Renewed January 30, 1926.

49,322. LINIMENTS AND EMBROCATIONS. Registered January 30, 1906. WILBUR F. YOUNG. Renewed January 30, 1926, to W. F. Young, Inc., Springfield, Mass., a Corporation of Massachusetts, successor.

49,399. SAWS. Registered February 6, 1906. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed February 6, 1926.

49,400. SAWS. Registered February 6, 1906. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed February 6, 1926.

49,401. SAWS. Registered February 6, 1906. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed February 6, 1926.

49,402. SAWS. Registered February 6, 1906. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed February 6, 1926.

49,408. SAWS. Registered February 6, 1906. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa,, a Corporation of Pennsylvania. Renewed February 6, 1926.

49,571. EXTERNAL REMEDY. Registered February 13, 1906. CORA T. MACKENZIE. Renewed February 13, 1926, to Feminol Chemical Company, Baltimore, Md., a Corporation of Delaware, assignee.

49,711. SAW SWAGES. Registered February 13, 1906. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed February 13, 1926.

49,727. LAGER BEER. Registered February 13, 1906. JACOB RUPPERT. Renewed February 13, 1926, to Jacob Ruppert, Inc., New York, N. Y., a Corporation of New York, assignee.

49,750. COTTON PIECE GOODS. Registered February 13, 1906. TREMONT & SUFFOLK MILLS, Lowell, Mass., a Corporation of Massachusetts. Renewed February 13, 1926.

49,861. BAKING POWDER. Registered February 20, 1906. J. C. GRANT CHEMICAL COMPANY, East St. Louis, Ill., a Corporation of Illinois. Renewed February 20, 1926.

50,067. LIQUID DRESSING FOR LEATHER BOOTS AND SHOES. Registered March 6, 1906. C. L. HAUTHAWAY & SONS, INCORPORATED, Portland, Me., and Boston, Mass. Renewed March 6, 1926, to C. L. Hauthaway & Sons, Inc., Boston, Mass., a Corporation of Massachusetts, assignee.

50,088. CIGARS. Registered March 6, 1906. WILLIAM BOUCHER. Renewed March 6, 1926, to William Boucher & Sons, Baltimore, Md., assignee.

50,141. BROOMS. Registered March 6, 1906. AMERICAN BROOM & BRUSH CO., Amsterdam, N. Y., a Corporation of New York. Renewed March 6, 1926.

50,142. BROOMS. Registered March 6, 1906. AMERICAN BROOM & BRUSH CO., Amsterdam, N. Y., a Corporation of New York. Renewed March 6, 1926.

50,194. THREAD. Registered March 6, 1906. THE NONOTUCK SILK COMPANY, Northampton (Florence) and Boston, Mass. Renewed March 6, 1926, to The Corticelli Silk Company, Florence, Mass., a Corporation of Connecticut, successor.

50,200. BROOMS. Registered March 6, 1906. AMERICAN BROOM & BRUSH CO., Amsterdam, N. Y., a Corporation of New York. Renewed March 6, 1926.

50,201. BROOMS. Registered March 6, 1906. AMERICAN BROOM & BRUSH CO., Amsterdam, N. Y., a Corporation of New York. Renewed March 6, 1926.

50,202. BROOMS. Registered March 6, 1906. AMERICAN BROOM & BRUSH CO., Amsterdam, N. Y., a Corporation of New York. Renewed March 6, 1926.

50,251. DESICCATED COCONUT. Registered March 6, 1906. THE CITIZENS' WHOLESALE SUPPLY CO., Columbus, Ohio, a Corporation of Ohio. Renewed March 6, 1926.

50,313. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1906. GRINNELL WILLIS & CO. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,334. SOLID AND LIQUID SOAPS. Registered March 13, 1906. EDWARD A. OLDS. Renewed March 13, 1926, to The Packer Manufacturing Company, Inc., New York, N. Y., a Corporation of New York, assignee.

50,342. BRUSHES. Registered March 13, 1906. JIRO SAKABE. Renewed March 13, 1926, to Kanichiro Kasai, New York, N. Y., assignee.

50,388. WORSTED YARNS. Registered March 13, 1906. S. B. & B. W. FLEISHER, INCORPORATED, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed March 13, 1926.

50,393. FACE POWDER. Registered March 13, 1906. JOSEPH TETLOW. Renewed March 13, 1926, to Henry Tetlow Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

50,401. MEDICATED FOOD FOR HORSES, CATTLE, SHEEP, AND HOGS. Registered March 13, 1906. THE UNITED STATES FOOD CO., Pleasant City, Ohio. Renewed March 13, 1926, to The United States Food Co., Pleasant City and Cambridge, Ohio.

50,432. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 13, 1906. GRINNELL WILLIS & CO. Renewed March 13, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,433. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 13, 1906. GRINNELL WILLIS & CO. Renewed March 13, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,434. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 13, 1906. GRINNELL WILLIS & CO. Renewed March 13, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,435. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 13, 1906. GRINNELL WILLIS & CO. Renewed March 13, 1926, to Ridley Watts & Co. New York, N. Y., assignee by mesne assignments.

50,451. MUCILAGE, PASTE, AND ADHESIVE CEMENTS. Registered March 20, 1906. THE CARTER'S INK COMPANY, Boston, Mass., and New York, N. Y. Renewed March 20, 1926, to The Carter's Ink Company, Cambridge, Mass., a Corporation of Massachusetts.

50,452. GROUND SPICES. Registered March 20, 1906. THE CITIZENS' WHOLESALE SUPPLY CO., Columbus, Ohio, a Corporation of Ohio. Renewed March 20, 1926.

50,580. PLOWS. Registered March 27, 1906. A. BALDWIN & CO. LIMITED, New Orleans, La., a Corporation of Louisiana. Renewed March 27, 1926.

50,599. HEEL PROTECTORS. Registered March 27, 1906. FRANK W. WHITCHER, Boston, Mass. Renewed March 27, 1926, to Frank W. Whitcher Company, Portland, Me., and Boston, Mass., a Corporation of Maine, assignee.

50,600. BOX-TOE MATERIAL AND INNER SOLING. Registered March 27, 1906. FRANK W. WHITCHER, Boston, Mass. Renewed March 27, 1926, to Frank W. Whitcher Company, Boston, Mass., and Portland, Me., a Corporation of Maine, assignee.

50,645. DICTIONARIES. Registered March 27, 1906. G. & C. MERRIAM COMPANY, Springfield, Mass., a Corporation of Massachusetts. Renewed March 27, 1926.

50,646. DICTIONARIES. Registered March 27, 1906. G. & C. MERRIAM COMPANY, Springfield, Mass., a Corporation of Massachusetts. Renewed March 27, 1926.

50,659. LEATHER BOOTS, SHOES, AND SLIPPERS. Registered March 27, 1906. PRESTON B. KEITH SHOE CO., Brockton, Mass., a Corporation of Massachusetts. Renewed March 27, 1926.

50,700. MALT EXTRACTS. Registered March 27, 1906. THE TROMMER COMPANY, Fremont, Ohio, a Corporation of Ohio. Renewed March 27, 1926.

50,705. VARNISHES AND JAPANS. Registered March 27, 1906. VALENTINE & COMPANY, New York, N. Y., a Corporation of New York. Renewed March 27, 1926.



51,029. VINEGAR. Registered April 3, 1906. H. J. HEINZ COMPANY, Allegheny, Pa. Renewed April 3, 1926, to H. J. Heinz Company, Pittsburgh, Pa., a Corporation of Pennsylvania.

51,237. HAVANA CIGARS. Registered April 10, 1906. HAVANA COMMERCIAL COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed April 10, 1926.

51,258. LUBRICATING OIL FOR WATCHES AND CLOCKS. Registered April 10, 1906. JOHN WING. Renewed April 10, 1926, to John W Peak, New Bedford, Mass., assignee.

51,291. HAVANA CIGARS. Registered April 10, 1906. HAVANA COMMERCIAL COMPANY, New York, N. Y., and Jersey City, N. J., a Corporation of New Jersey. Renewed April 10, 1926.

# LABELS

## REGISTERED DECEMBER 1, 1925.

29,567.—*Title:* POUDRE DE BEAUTE FRACY PARIS FRANCE. For Face Powder. F. R. ARNOLD & Co., New York, N. Y. Published September 1, 1925.

29,568.—*Title:* HANDICUT WAX PAPER ROLL. For Rolls of Waxed Paper. AUTOMATIC PAPER MACHINERY CO. INC., Hilton, N. J. Published August 31, 1925.

29,569.—*Title:* HELTHTONE. For Health Tonic. THE AYER COMPANY, Lowell, Mass. Published September 20, 1925.

29,570.—*Title:* CIGARS. For Cigars. BIG FOUR CIGAR Co., Tampa, Fla. Published October 1, 1925.

29,571.—*Title:* FLAVORED TOOTH PICKS. For Toothpicks. MANUEL NORIEGA CASTRO, San Antonio, Tex. Published September 26, 1925.

29,572.—*Title:* CINELLI'S TRIPOLI BRAND. For Olive Oil. G. CINELLI COMPANY, Tacoma, Wash. Published October 1, 1925.

29,573.—*Title:* CLAUSSEN'S SANDWICH PICKLES. For Bottles of Sandwich Pickles. C. F. CLAUSSEN & SONS, INC., Chicago, Ill. Published August 15, 1925.

29,574.—*Title:* FLORIAN. For Shaving Soap. FLORIAN INC., Des Moines, Iowa. Published June 1, 1925.

29,575.—*Title:* THE FAMOUS HOME MADE ORIGINAL PEANUT BRITTLE. For Peanut Brittle. FOOSANER & HARRIS, Freehold, N. J. Published October 2, 1925.

29,576.—*Title:* H M PREPARED PANCAKE FLOUR. For Flour. HAMMONDSPORT MILLS, Hammondsport, N. Y. Published September 10, 1925.

29,577.—*Title:* HECK. For Deodorant. THE HECK-CONARD CO. INC., Kansas City, Mo. Published September 11, 1925.

29,578.—*Title:* KAFFEE HAG. For Coffee. KAFFEE HAG CORPORATION, Cleveland, Ohio. Published October 1, 1925.

29,579.—*Title:* LI MANDRI FAMOUS ROYAL TOILET PREPARATION. For Royal Beauty Cream. JOHN LI MANDRI, doing business as Limandri, New York, N. Y. Published August 1, 1925.

29,580.—*Title:* RED CIRCLE OLD ROSE. For Candy. THE MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published October 2, 1925.

29,581.—*Title:* BORDER FOX TONE PICTURE. For Photographic Prints. CARL D. NEWTON, doing business as The Fox Co., San Antonia, Tex. Published October 2, 1925.

29,582.—*Title:* TAIN'T GWINE RAIN NO MO'. For Rubber Hose. PIONEER RUBBER MILLS, San Francisco, Calif. Published September 24, 1925.

29,583.—*Title:* SHINER. For Shiner Powder. WALTER G. ROLL, doing busines as The Missouri Company, St. Louis, Mo. Published June 1, 1925.

29,584.—*Title:* SUNSHINE BRAND. For Sirups. L. RUBIN & SON, Brooklyn, N. Y. Published June 1, 1925.

29,585.—*Title:* SCHLITZ GINGER ALE. For Ginger Ale. JOS. SCHLITZ BEVERAGE CO., doing business as Schlitz, Milwaukee, Wis. Published August 8, 1925.

29,586.—*Title:* HONEE-LU. For a Soft Drink. THOMAS G. SHERMAN, Fayette, Mo. Published August 1, 1925.

29,587.—*Title:* UNITY OREGON. For Malt Extract. UNITY BEVERAGE CO., Chicago, Ill. Published July 18, 1925.

29,588.—*Title:* UNITY BOCK. For Malt Extract. UNITY BEVERAGE CO., Chicago, Ill. Published July 18, 1925.

29,589.—*Title:* UNITY BEVERAGE COMPANY. For Malt Extract. UNITY BEVERAGE CO., Chicago, Ill. Published July 18, 1925.

29,590.—*Title:* WAITT'S INDIAN REMEDY SALVE. For Salve. WAITT'S LABORATORY CO., Lynn, Mass. Published September 8, 1925.

# PRINTS

## REGISTERED DECEMBER 1, 1925.

8,406.—*Title:* YES! BANANAS THE BODY BUILDER. For Bananas. BAUDERLEIN, INCORPORATED, New Orleans, La. Published October 1, 1925.

8,407.—*Title:* RAMON'S BROWNIE CALENDAR. For Merchandise. BROWN MANUFACTURING COMPANY, Greenville, Tenn. Published August 29, 1925.

8,408.—*Title:* THE VALUE OF CARBOHYDRATE IN INFANT FOODS. For Wheat Breakfast Foods. CREAM OF WHEAT CO., Minneapolis, Minn. Published October 3, 1925.

8,409.—*Title:* DIET TOO OFTEN NEGLECTED IN THE "PRE-SCHOOL AGE." For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published October 31, 1925.

8,410.—*Title:* GOOD—WINGFOOT—YEAR WINGFOOT HEELS GOOD WEAR GUARANTEED TO OUTWEAR ANY OTHER HEEL OR A NEW PAIR FREE. For Heels for Boots and Shoes Made Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Akron, Ohio. Published September 25, 1925.

8,411.—*Title:* GOOD—WINGFOOT—YEAR WINGFOOT SOLES GUARANTEED TO OUTWEAR ANY OTHER SOLE—OR A NEW PAIR FREE AT YOUR REPAIRMAN'S . . . OR ON NEW SHOES WALKING, WORKING, SCHOOL, PLAY. For Soles or Half Soles for Boots and Shoes Made Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Akron, Ohio. Published September 25, 1925.

8,412.—*Title:* GOOD—WINGFOOT—YEAR WINGFOOT SOLES AND HEELS WALKING—WORKING—SCHOOL—PLAY—IT MEANS—GOOD WORKMANSHIP—GOOD MATERIALS—GOOD WEAR. For Soles and Heels for Boots and Shoes Composed Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Akron, Ohio. Published September 25, 1925.

8,413.—*Title:* GARMENT PROTECTIVE CUSHION. For Cushion Tops for Wardrobe Trunks. HARTMANN TRUNK COMPANY, Racine, Wis. Published September 29, 1925.

8,414.—*Title:* FROSTIES GATHERING TODAYS FLAVORS. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 29, 1925.

8,415.—*Title:* THE CHOCOLATE FROSTIE. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 29, 1925.

8,416.—*Title:* PRINCE PROGRESS. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 29, 1925.

8,417.—*Title:* FAIRIES—RICHNESS AND FLAVOR. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 29, 1925.

8,418.—*Title:* THE PINEAPPLE FROSTIE. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published September 29, 1925.

8,419.—*Title:* NO. 555 UNIVERSAL HEATER CONNECTOR. For Heater Connectors. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

8,420.—*Title:* NO. 360 THREE WAY COMBINATION PLUG. For Plugs. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

8,421.—*Title:* NO. 340 ANGLE THREE WAY COMBINATION PLUG. For Plugs. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

8,422.—*Title:* NO. 240 ANGLE TWO WAY COMBINATION PLUG. For Plugs. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

8,423.—*Title:* NO. 420 PLUG. For Plugs. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

8,424.—*Title:* WAVEASY CLIPS. For Automatic Water-Waving Clips for Waving Human Hair. LOUIS RUFFIO, New York, N. Y. Published October 2, 1925.

8,425.—*Title:* COMET RICE. For Rice. SEABOARD RICE MILLING CO., Galveston, Tex., and New York, N. Y. Published October 26, 1925.

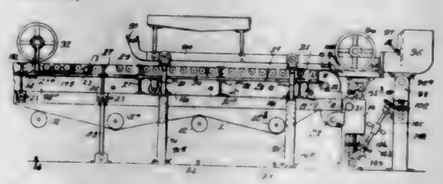
8,426.—*Title:* VENUS COMPRESSED SANITARY NAPKIN. For Sanitary Napkins. THE VENUS CORPORATION, New York, N. Y. Published April 15, 1925.



# REISSUES

## DECEMBER 1, 1925.

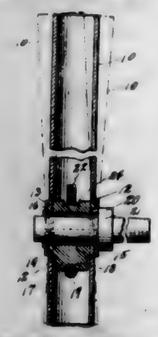
16,218. PAPER-MAKING MACHINE. JAMES K. DARBY, Dayton, Ohio, assignor to The Bagley and Sewall Company, Watertown, N. Y., a Corporation of New York. Filed July 3, 1924. Serial No. 724,128. Original No. 1,436,240, dated Nov. 21, 1922, Serial No. 211,138, filed Jan. 10, 1918. 23 Claims. (Cl. 92—44.)



1. The combination with a paper making machine, of means for dividing said machine, dropping one portion thereof and sliding the same under the other portion thereof substantially as shown and described.

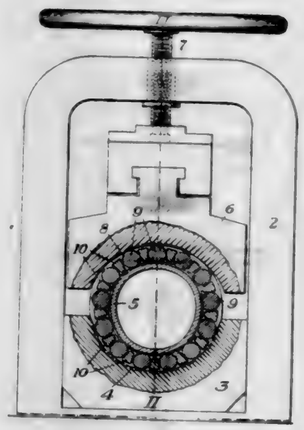
23. The method of stringing a wire on a paper making machine which comprises moving the upper couch roll away from the breast end of the machine, moving one portion of the machine with respect to the other, extending the wire to be restrung in the form of an extended loop over said machine, and finally moving the movable portion of said machine back to its normal position, and moving said upper couch roll towards the breast end of the machine to a distance sufficient to impart the necessary tension to said wire.

16,219. SELF-ALIGNING PITMAN BEARING BOX. VALORIS L. FORSYTH, Fort Worth, Tex. Filed Oct. 5, 1925. Serial No. 60,682. Original No. 1,538,318, dated May 19, 1925, Serial No. 716,981, filed May 31, 1924. 6 Claims. (Cl. 308—68.)



4. The combination with a pitman having an opening therethrough, of a wrist pin box extending through said opening, a fulcrum support for the lower portion of the box on which said box is mounted to rock, and means for confining said box on its fulcrum support and holding it in position in the pitman.

16,220. METHOD AND APPARATUS FOR ROUNDING ARTICLES. GEORGE E. MIRFIELD, Youngstown, Ohio. Filed Oct. 29, 1925. Serial No. 65,690. Original No. 1,548,731, dated Aug. 4, 1925, Serial No. 574,185, filed July 11, 1922. 21 Claims. (Cl. 153—54.)



1. In the method of rounding circular objects, the steps consisting of supporting an object at a plurality of spaced points, producing relative movement between the object and the points of support, moving the points about the axis of the object, and progressively varying the operating pressure of successive points of support, substantially as described.

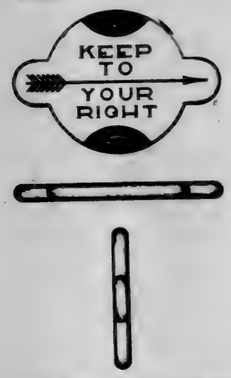
# DESIGNS

## DECEMBER 1, 1925.

68,885. WALL-DECORATING FABRIC OR SIMILAR ARTICLE. ARTHUR W. ANKENY, Indiana, Pa. Filed Sept. 5, 1924. Serial No. 10,686. Term of patent 7 years.

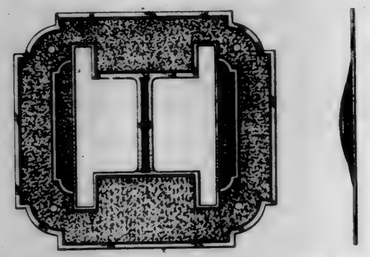
The ornamental design for a wall decorating fabric or similar article, as shown.

68,886. TRAFFIC SIGN. CHARLES APPS, Brooklyn, N. Y. Filed May 18, 1923. Serial No. 6,204. Term of patent 7 years.




The ornamental design for a traffic sign, as shown.

68,887. ESCUTCHEON PLATE FOR RADIOPANEL. WALTER B. BANKS, Columbus, Ohio, assignor to The D. L. Auld Company, Columbus, Ohio. Filed Sept. 15, 1925. Serial No. 14,787. Term of patent 7 years.



The ornamental design for escutcheon plate for radiopanel, as shown.

68,888. SUGAR BOWL OR SIMILAR ARTICLE. KENNETH P. BEATTIE, Hopkins, Mich., assignor to The Taylor Smith & Taylor Company, East Liverpool, Ohio. Filed Sept. 10, 1925. Serial No. 14,738. Term of patent 3½ years.

The ornamental design for a sugar bowl or similar article as shown.

68,889. TEAPOT OR SIMILAR ARTICLE. KENNETH P. BEATTIE, Hopkins, Mich., assignor to The Taylor Smith & Taylor Company, East Liverpool, Ohio. Filed Sept. 10, 1925. Serial No. 14,739. Term of patent 3½ years.

The ornamental design for a teapot or similar article, as shown.





68,890. CREAMER. KENNETH P. BEATTIE, Hopkins, Mich., assignor to The Taylor Smith & Taylor Company, East Liverpool, Ohio. Filed Sept. 10, 1925. Serial No. 14,740. Term of patent 3½ years.

The ornamental design for a creamer, as shown.

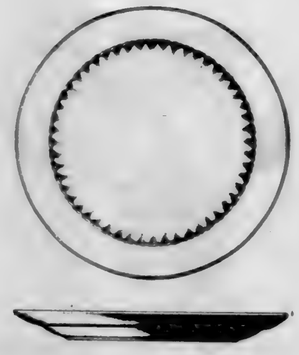
68,891. CASSEROLE OR SIMILAR ARTICLE. KENNETH P. BEATTIE, Hopkins, Mich., assignor to The Taylor Smith & Taylor Company, East Liverpool, Ohio. Filed Sept. 10, 1925. Serial No. 14,741. Term of patent 3½ years.

The ornamental design for a casserole or similar article, as shown.

68,892. TEACUP. KENNETH P. BEATTIE, Hopkins, Mich., assignor to The Taylor Smith & Taylor Company, East Liverpool, Ohio. Filed Sept. 10, 1925. Serial No. 14,742. Term of patent 3½ years.

The ornamental design for a teacup, as shown.

68,893. PLATE. KENNETH P. BEATTIE, Hopkins, Mich., assignor to The Taylor Smith & Taylor Company, East Liverpool, Ohio. Filed Sept. 10, 1925. Serial No. 14,744. Term of patent 3½ years.



The ornamental design for a plate, as shown.

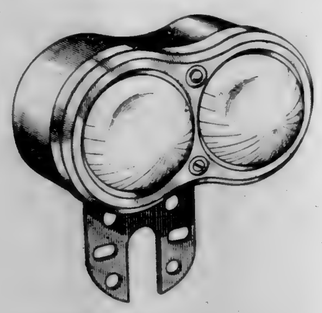
68,894. ARM FOR LIGHTING FIXTURE. NATHAN I. BERGER, New York, N. Y., assignor to Sandow Tool Co. U. S. A., New York, N. Y., a Corporation of New York. Filed Oct. 5, 1925. Serial No. 15,022. Term of patent 3½ years.

The ornamental design for arm for lighting fixture, as shown.

68,895. PLATE FOR LIGHTING FIXTURE. NATHAN I. BERGER, New York, N. Y., assignor to Sandow Tool Co. U. S. A., New York, N. Y., a Corporation of New York. Filed Oct. 5, 1925. Serial No. 15,023. Term of patent 3½ years.

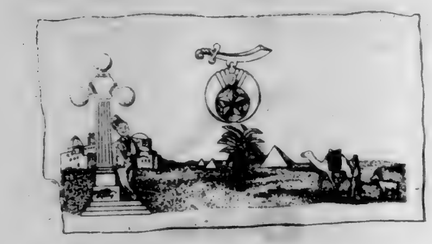
The ornamental design for plate for lighting fixture, as shown.

68,896. AUTOMOBILE SIGNAL-LAMP CASING. WILLIAM BERK, New York, N. Y., assignor to American Auto Lamp Company, Inc., New York, N. Y., a Corporation of New York. Filed July 6, 1925. Serial No. 13,992. Term of patent 14 years.



The ornamental design for an automobile signal lamp casing as shown.

68,897. LEATHER. COLOMBO BOSCA, Webb City, Mo. Filed Sept. 24, 1925. Serial No. 14,899. Term of patent 7 years.



The ornamental design for leather, as shown.

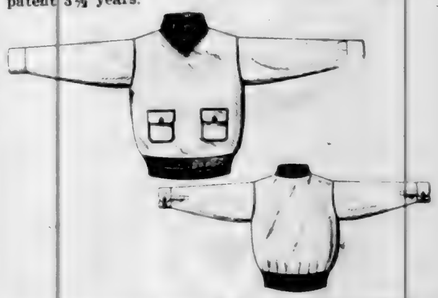
68,898. BASE FOR A LOUD SPEAKER FOR RADIO-REPRODUCERS. STEPHEN BOURNE, New York, N. Y., assignor to Brandes Laboratories Inc., Newark, N. J., a Corporation of New Jersey. Filed July 27, 1925. Serial No. 14,234. Term of patent 14 years.

The ornamental design for a base for a loud speaker for radioreproducers as shown.

68,899. DISPLAY CASING. MAURICE BOXER and WILLIAM C. NICHOLSON, San Francisco, Calif. Filed Aug. 31, 1925. Serial No. 14,674. Term of patent 14 years.

The ornamental design for a display casing substantially as shown.

68,900. SHIRT. BENJAMIN BREIER, Brooklyn, N. Y. Filed Aug. 19, 1925. Serial No. 14,516. Term of patent 3½ years.



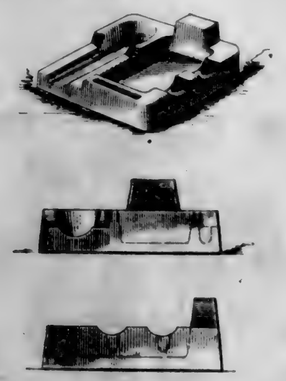
The ornamental design for a shirt substantially as shown.

68,901. RADIATOR-CAP ORNAMENT OR SIMILAR ARTICLE. BARNEY R. BROWN, Heber Springs, Ark. Filed Sept. 17, 1925. Serial No. 14,804. Term of patent 7 years.

The ornamental design for a radiator cap ornament or similar article, as shown.

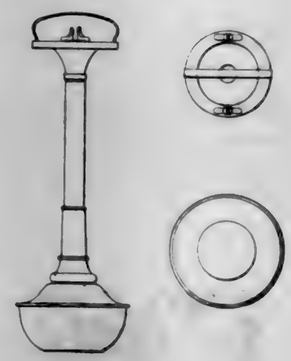


68,902. ASH TRAY. IRA M. CLARKE, New Martinsville, W. Va. Filed Oct. 15, 1925. Serial No. 15,126. Term of patent 14 years.



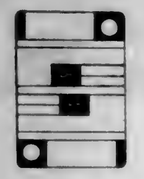
The ornamental design for an ash tray, as shown.

68,903. SMOKER'S ASH STAND. ROBERT G. FLEMING, Bloomfield, N. J., assignor to Smokador Manufacturing Co., Inc., New York, N. Y., a Corporation of Delaware. Filed Mar. 23, 1925. Serial No. 12,824. Term of patent 14 years.



The ornamental design for a smoker's ash stand, as shown.

68,904. GAME CARD. GEORGE P. GARIN, Baltimore, Md. Filed Sept. 10, 1924. Serial No. 10,730. Term of patent 7 years.



The ornamental design for a game card, as shown.

68,905. PEANUT BIRD. ROSE GAYDEN, Detroit, Mich. Filed Oct. 19, 1923. Serial No. 7,554. Term of patent 3½ years.

The ornamental design for a peanut bird, as shown.

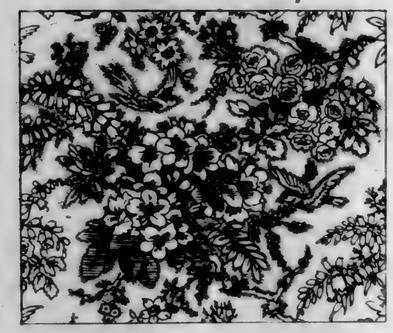
68,906. HAND-BAG FRAME. WOLF T. GOLDSMITH, Newark, N. J. Filed Oct. 2, 1925. Serial No. 14,991. Term of patent 3½ years.

The ornamental design for a hand bag frame, as shown.

68,907. HAND-BAG FRAME. WOLF T. GOLDSMITH, Newark, N. J. Filed Oct. 2, 1925. Serial No. 14,992. Term of patent 3½ years.

The ornamental design for a hand bag frame, as shown.

68,908. TEXTILE FABRIC USED FOR DRAPERIES. WILLIAM H. GROGAN, New York, N. Y., assignor to Elms and Sellon, Inc., New York, N. Y., a Corporation of New York. Filed May 13, 1925. Serial No. 13,425. Term of patent 3½ years.



The ornamental design for textile fabric used for draperies as shown.

68,909. TEXTILE FABRIC USED FOR DRAPERIES. WILLIAM H. GROGAN, New York, N. Y., assignor to Elms and Sellon, Inc., New York, N. Y., a Corporation of New York. Filed May 13, 1925. Serial No. 13,426. Term of patent 3½ years.

The ornamental design for textile fabric used for draperies as shown.

68,910. TEXTILE FABRIC USED FOR DRAPERIES. WILLIAM H. GROGAN, New York, N. Y., assignor to Elms and Sellon, Inc., New York, N. Y., a Corporation of New York. Filed May 13, 1925. Serial No. 13,427 Term of patent 3½ years.

The ornamental design for textile fabric used for draperies as shown.

68,911. TEXTILE FABRIC USED FOR DRAPERIES. WILLIAM H. GROGAN, New York, N. Y., assignor to Elms and Sellon, Inc., New York, N. Y., a Corporation of New York. Filed May 19, 1925. Serial No. 13,492. Term of patent 3½ years.

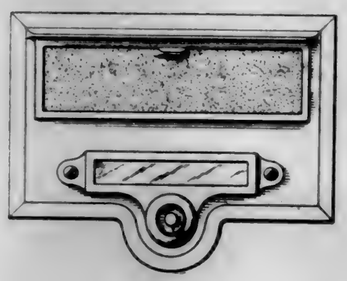
The ornamental design for textile fabric used for draperies as shown.



68,912. TEXTILE FABRIC USED FOR DRAPERIES. WILLIAM H. GROGAN, New York, N. Y., assignor to Elms and Sellon, Inc., New York, N. Y., a Corporation of New York. Filed June 17, 1925. Serial No. 13,803. Term of patent 3½ years.

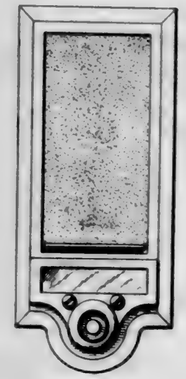
The ornamental design for textile fabric used for draperies as shown.

68,913. FACEPLATE FOR MAIL RECEPTACLES. JOHN HELM and HENRY C. HELM, St. Louis, Mo. Filed May 4, 1925. Serial No. 13,312. Term of patent 14 years.



The ornamental design for a faceplate for mail receptacles, as shown.

68,914. FACEPLATE FOR MAIL RECEPTACLES. JOHN HELM and HENRY C. HELM, St. Louis, Mo. Filed May 4, 1925. Serial No. 13,313. Term of patent 14 years.



The ornamental design for a faceplate for mail receptacles, as shown.

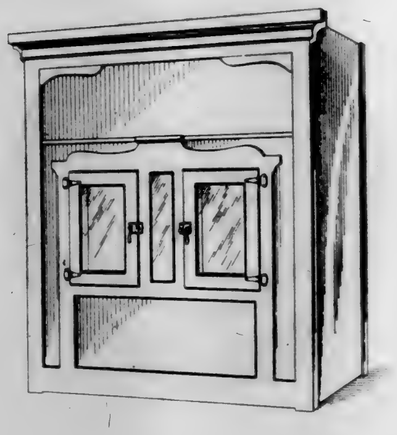
68,915. PLATE OR SIMILAR ARTICLE. FRANK G. HOLMES, Trenton, N. J., assignor to Lenox Incorporated, Trenton, N. J. Filed Oct. 10, 1924. Serial No. 11,017. Term of patent 14 years.

The ornamental design for a plate or similar article, as shown.

68,916. PLATE OR SIMILAR ARTICLE. FRANK G. HOLMES, Trenton, N. J., assignor to Lenox Incorporated, Trenton, N. J. Filed Oct. 10, 1924. Serial No. 11,018. Term of patent 14 years.

The ornamental design for a plate or similar article, as shown.

68,917. REFRIGERATOR. ANTON N. HORNUNG, Los Angeles, Calif. Filed Sept. 8, 1925. Serial No. 14,723. Term of patent 14 years.



The ornamental design for a refrigerator as shown.

68,918. TEXTILE FABRIC. FRANK M. KAUFMAN, Philadelphia, Pa. Filed July 28, 1925. Serial No. 14,246. Term of patent 3½ years.

The ornamental design for a textile fabric as shown.

68,919. TEXTILE FABRIC. FRANK M. KAUFMAN, Philadelphia, Pa. Filed July 31, 1925. Serial No. 14,288. Term of patent 3½ years.

The ornamental design for a textile fabric, as shown.

68,920. BUTTON. WARREN F. KAYNOR, Waterbury, Conn., assignor to The Waterbury Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 25, 1924. Serial No. 9,963. Term of patent 14 years.

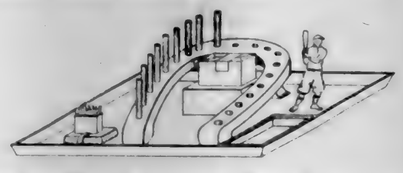
The ornamental design for a button as shown.



68,921. STERILIZER. EDWARD KRONMAN, New York, N. Y. Filed Sept. 29, 1925. Serial No. 14,989. Term of patent 14 years.

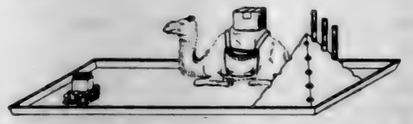
The ornamental design for a sterilizer, as shown.

68,922. SMOKER'S TRAY. CONSTANTINE KUZAROFF, St. Paul, Minn., assignor of one-half to John Derdoski, St. Paul, Minn. Filed June 19, 1925. Serial No. 13,818. Term of patent 3½ years.



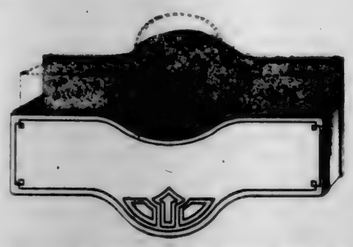
The ornamental design for a smoker's tray substantially as shown.

68,923. SMOKER'S TRAY. CONSTANTINE KUZAROFF, St. Paul, Minn., assignor of one-half to John Derdoski, St. Paul, Minn. Filed June 19, 1925. Serial No. 13,819. Term of patent 3½ years.



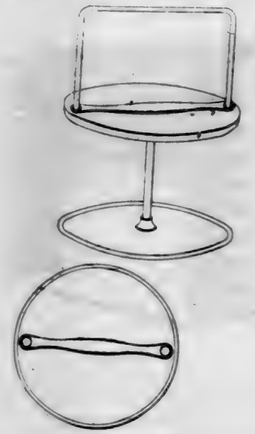
The ornamental design for a smoker's tray substantially as shown.

68,924. ARTICLE HOLDER. WILLIAM H. LESTER, Elgin, Ill., assignor to Elgin American Manufacturing Co., Elgin, Ill., a Corporation of Illinois. Filed Aug. 19, 1925. Serial No. 14,520. Term of patent 3½ years.



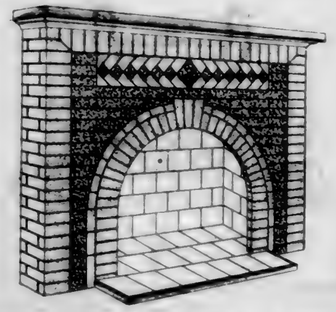
The ornamental design for an article holder, substantially as shown.

68,925. NAPKIN HOLDER. ALLAN P. LINDBLAD, Everett, Mass. Filed June 2, 1925. Serial No. 13,639. Term of patent 14 years.



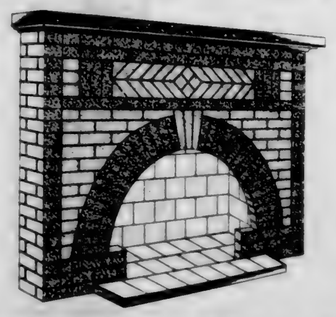
The ornamental design for a napkin-holder, as shown.

68,926. FIREPLACE. ROBERT G. MACKAY, Chicago, Ill. Filed May 8, 1925. Serial No. 13,364. Term of patent 3½ years.



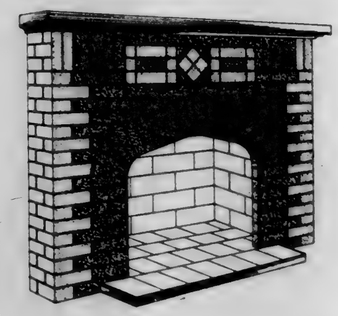
The ornamental design for a fireplace, as shown.

68,927. FIREPLACE. ROBERT G. MACKAY, Chicago, Ill. Filed May 8, 1925. Serial No. 13,365. Term of patent 3½ years.



The ornamental design for a fireplace, as shown.

68,928. FIREPLACE. ROBERT G. MACKAY, Chicago, Ill. Filed May 8, 1925. Serial No. 13,366. Term of patent 3½ years.



The ornamental design for a fireplace, as shown.

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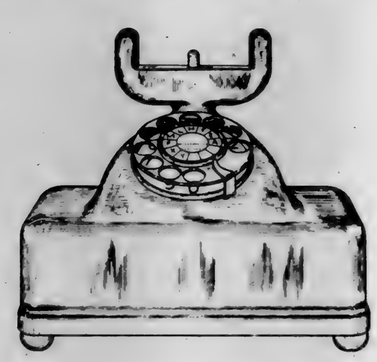
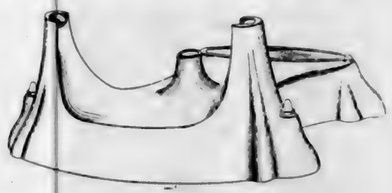
68,929. COMBINED RINGER BOX AND TELEPHONE DESK STAND. HERBERT F. OBERGFELL, River Forest, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 10, 1925. Serial No. 15,081. Term of patent 14 years.



The ornamental design for a combined ringer box and telephone desk stand, as shown.

68,930. SCALE BASE. ORWELL C. REEVES, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Jan. 28, 1925. Serial No. 12,172. Term of patent 14 years.



The ornamental design for a scale base as shown.

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68,931. RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed May 19, 1925. Serial No. 13,486. Term of patent 7 years.

The ornamental design for a ring, as shown.

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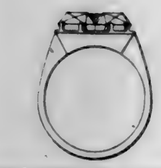
68,932. RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed May 19, 1925. Serial No. 13,487. Term of patent 7 years.

The ornamental design for a ring, as shown.



68,933. RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed June 9, 1925. Serial No. 13,711. Term of patent 7 years.



The ornamental design for a ring, as shown.

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68,934. GEM-SET RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed June 9, 1925. Serial No. 13,712. Term of patent 7 years.

The ornamental design for a gem-set ring, as shown.

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68,935. RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed June 9, 1925. Serial No. 13,713. Term of patent 7 years.

The ornamental design for a ring, as shown.

68,936. GEM-SET RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed June 9, 1925. Serial No. 13,714. Term of patent 7 years.

The ornamental design for a gem-set ring, as shown.

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68,937. RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed July 16, 1925. Serial No. 14,112. Term of patent 7 years.

The ornamental design for a ring, as shown.

68,938. RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed July 21, 1925. Serial No. 14,164. Term of patent 7 years.

The ornamental design for a ring, as shown.

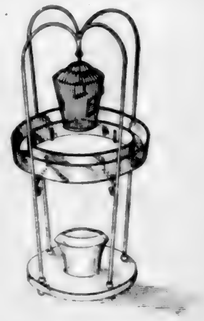
68,939. GEM-SET RING. MEYER L. ROBBINS, New York, N. Y., assignor to Untermeyer Robbins & Co., New York, N. Y., a Corporation of New York. Filed July 21, 1925. Serial No. 14,165. Term of patent 7 years.

The ornamental design for a gem-set ring, as shown.

68,940. RIBBON FABRIC. ALBERT JOHN SCHOLTES, Mobile, Ala. Filed July 7, 1923. Serial No. 6,729. Term of patent 7 years.

The ornamental design for ribbon fabric, as shown.

68,941. STAND. SAM SCHWARTZ, Memphis, Tenn. Filed July 29, 1925. Serial No. 14,259. Term of patent 3½ years.

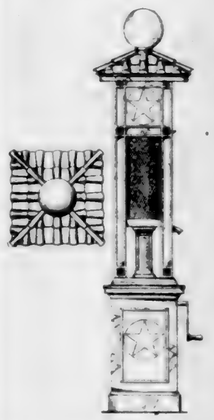


The ornamental design for a stand, as shown.

68,942. CAP FOR AN ELECTRICAL DEVICE. SAMUEL P. WILLIAMS, Hartford, Conn., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 23, 1923. Serial No. 5,245. Term of patent 14 years.

The ornamental design for a cap for an electrical device, substantially as shown.

68,943. GASOLINE-PUMP CASING. CHARLES E. WOODBRIDGE, Brooklyn, N. Y., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Oct. 22, 1924. Serial No. 11,144. Term of patent 14 years.

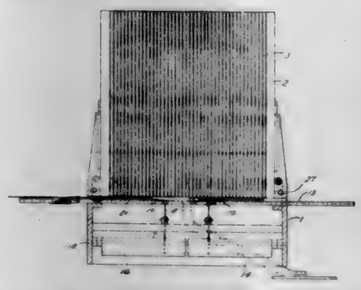


The ornamental design for a gasoline pump casing, as shown.

# PATENTS

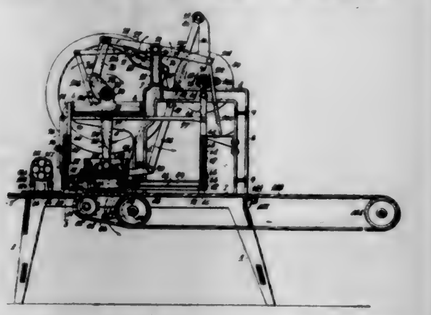
## GRANTED DECEMBER 1, 1925.

1,563,313. MANUALLY-OPERATED TYPE-COMPOSING MACHINE. ANNE SOPHIA ADAMS, Birmingham, England. Filed July 21, 1923. Serial No. 653,044. 7 Claims. (Cl. 276—16.)



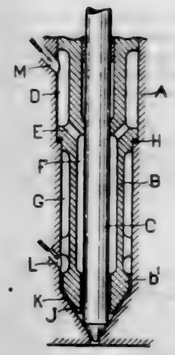
1. A manually operated type composing machine having in combination a magazine for holding the type, pivoted retention members each having at its lower end a foot piece normally engaging under the lowermost type and at the upper end a beak bearing against a shoulder or projection of a spring blade, such that by tripping the retention member, the lowermost type are released meanwhile that the type next above are retained, a transfer duct for receiving the released type from the magazine, a reciprocating impeller adapted to traverse along said transfer duct and operating keys connected with the impellers.

1,563,314. TORTILLA-FORMING MACHINE. IGNACIO M. ATANAY, Los Angeles, Calif. Filed June 3, 1925. Serial No. 34,695. 52 Claims. (Cl. 107—15.)



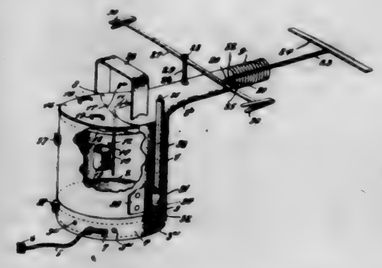
1. A machine of the character described comprising a framing including a bed onto which tortilla boards are placed, a dough blank depositing means, means for pressing the dough blanks into tortilla shape, devices for feeding the board along the bed from a position beneath the depositing means to position beneath the forming means and a conveyor associated with said forming means to remove the boards and their contents from the forming means after the pressing action has been completed, an elastic apron, an elastic apron carrier and means to operate said carrier to project and retract said apron to and from position beneath said pressing means for the purposes described.

1,563,315. FUEL-INJECTING DEVICE FOR INTERNAL-COMBUSTION ENGINES. OTTO ALT and CURT HELSIG, Kiel, Germany, assignors to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Filed Mar. 27, 1922. Serial No. 547,323. 7 Claims. (Cl. 123—33.)



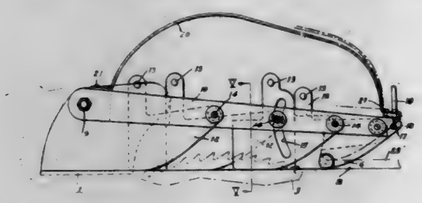

1. In a fuel injector for internal combustion engines, a fuel chamber, a fuel inlet and an injecting air inlet communicating with said chamber, and means whereby air is trapped in said chamber by the fuel charge and compressed in dependence upon the pressure of the injecting air, the charge being expelled from said chamber under the expansive force of said air upon the operation of the injector.

1,563,316. INHALATION KETTLE. ERIE MURIEL ANSCOMBE, Cleveland, Ohio. Filed Aug. 18, 1920. Serial No. 404,305. 9 Claims. (Cl. 128—192.)



1. An inhalation kettle comprising a receptacle having a laterally extending exit spout, and means for supporting an overlying covering, said means including a supporting bar supported on and carried by the spout and extending lengthwise thereof, said supporting bar carrying a bar located in advance of the exit of said spout, the ends of the latter bar being on opposite sides of the spout.

1,563,317. SAW GUARD. CARL B. AUEL, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 22, 1923. Serial No. 664,241. 3 Claims. (Cl. 143—159.)



1. A saw guard comprising a plurality of pivotal arms, the inner one of which is provided with a guide nose and the outer ones having wing plates pivotally mounted thereon, said outer arms being in co-operative engagement with the said inner arm.

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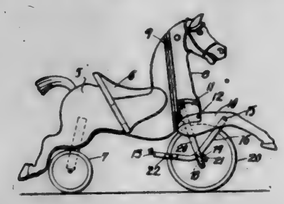
1,563,318. GALLOPING TRICYCLE HORSE. FRANCIS GODFREY BAKER, New York, N. Y. Filed Feb. 21, 1925. Serial No. 10,904. 9 Claims. (Cl. 208—42.)



1. A toy of the class described comprising a wheel supported sectional body having a front drive wheel, a crank shaft cooperating with the drive wheel, means connecting the crank shaft with the front of the body and foot operated means for actuating said crank shaft to rock the said body.

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1,563,319. PUMP. BERTRAM P. BATES, Chicago, Ill. Filed Oct. 24, 1924. Serial No. 745,552. 3 Claims. (Cl. 103—203.)

1. In a pump having inlet and outlet valves, a piston provided with a pocket in which liquid is retained for priming purposes in case the liquid in the pump chamber should leak away when the pump is not running, said pocket being so arranged that the liquid retained in it will be discharged therefrom when the pump is started.

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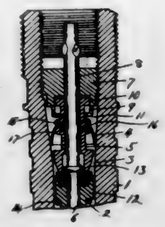
1,563,320. TIRE VALVE. CHARLES W. BECK, Toledo, Ohio, assignor to The Beck Frost Corporation, Detroit, Mich., a Corporation of Michigan. Original application filed May 24, 1922, Serial No. 563,406. Divided and this application filed Feb. 11, 1924. Serial No. 692,112. 2 Claims. (Cl. 152—12.)

1. In a valve for pneumatic tires, the combination with a tubular shell having a tapered internal seat portion, a stem extending longitudinally of the shell, a sleeve slidably mounted on the stem having shoulders spaced longitudinally thereof, and a plug surrounding the stem in the shell having means for limiting the sliding movement of the sleeve, of a washer surrounding the sleeve



between said shoulders having a flared portion engageable with the tapered portion of the shell to form an air tight seal.

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1,563,321. SPIRIT-LEVEL GLASS. GEORGE Q. BEDORTHA, Windsor, Conn. Filed Sept. 6, 1921. Serial No. 498,660. 2 Claims. (Cl. 33—211.)

1. A spirit level glass comprising a sealed tube containing a colored fluorescent liquid and an air bubble, said tube being made of transparent glass having selective absorption of ultra-violet and violet light rays.

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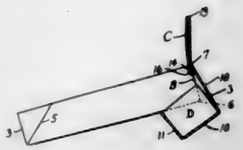
1,563,322. PAPER FOLDING BOX. SAMUEL BERGSTEIN, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Nov. 24, 1923. Serial No. 676,693. 4 Claims. (Cl. 206—44.)



1. A paper folding box formed of an integral blank slotted and scored for folding and including opposite portions adapted to form the top and bottom of the box respectively, joined one to the other by an intermediate portion adapted to form an end of the box, slotted side portions outwardly adjacent said intermediate portions one slot being inverse to the other and adapted to overlap and to be joined one to the other outwardly of said intermediate portion, as the box is set up, by means of said slots.

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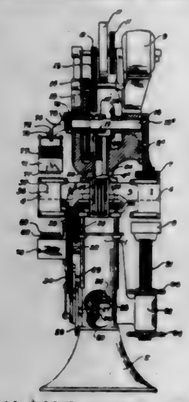
1,563,323. PAPER-BOX-MAKING MACHINE AND THE LIKE. SAMUEL BERGSTEIN, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Nov. 18, 1924. Serial No. 750,646. 17 Claims. (Cl. 93—49.)

1. A box making machine including in combination, a rotatable work table, a plurality of work supporting units arranged on said table and operable in a plane and through a cycle of operations common to all of said units, each unit comprising a member adapted to have a box blank positioned thereon with portions of the blank extended from opposite ends thereof, instrumentalities



arranged in different planes along the path of rotation of said units comprising means acting to fold certain of said opposite extended portions, means acting to deposit



adhesive on said folded portions, and means acting to fold other of said opposite extended portions over the portions first folded to effect an adhesive joint.

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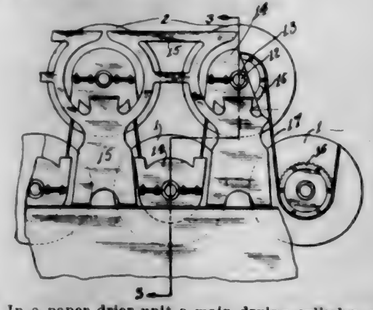
1,563,324. CHAIN DRIVE FOR DRYING CYLINDERS. EARL ELWIN BERRY, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis. Filed Dec. 15, 1923. Serial No. 680,823. 8 Claims. (Cl. 34—48.)



4. In a paper drier unit a main drying cylinder, means connected therewith for rotating the same, a plurality of secondary cylinders, a hub flange formed on one end of each said secondary cylinders and on said main cylinder, a continuous chain engaging said sprockets to cause the drive from said main cylinder to be imparted to the secondary cylinders, and means for adjusting the tension of said chain.

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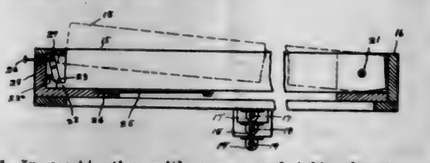
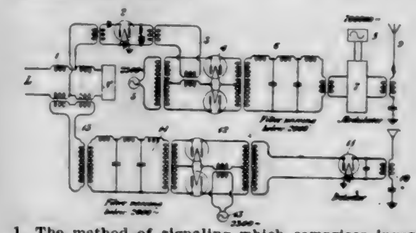
1,563,325. SAW-TABLE GUIDE. FRANK BIELASKI, Detroit, Mich. Filed Apr. 20, 1925. Serial No. 24,561. 4 Claims. (Cl. 143—174.)



1. In combination with a saw and table therefor, a guide bar mounted in said table and hinged at one end, a spring adapted to lift said bar about said hinge, means for retaining said bar in lowered position, means for releasing said retaining means, and a stop for limiting the upward movement of the bar.

1,563,326. SECRET-COMMUNICATION SYSTEM. RALPH BOWN, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 8, 1921. Serial No. 513,744. 2 Claims. (Cl. 179—1.)



1. The method of signaling which comprises inverting the speech band, modulating a carrier wave in accordance with said inverted speech band to produce a carrier component and side band, causing said carrier component and side band to vary together in the frequency scale in an arbitrary manner, transmitting said varying carrier component and side band to a distant station, beating together said arbitrarily varying carrier component and side band to produce a band of frequencies invariable in the frequency scale and corresponding to said inverted speech band, and reinverting said invariable band of difference frequencies to produce said original speech band.

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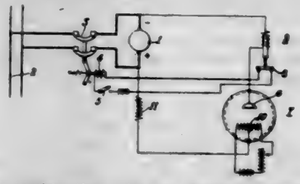
1,563,327. RELAY SYSTEM. QUINCY A. BRACKETT, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 20, 1921. Serial No. 438,670. 12 Claims. (Cl. 175—294.)



6. The combination with an electrical apparatus, of a unidirectional-current device connected thereto for controlling the apparatus in accordance with the polarity thereof.

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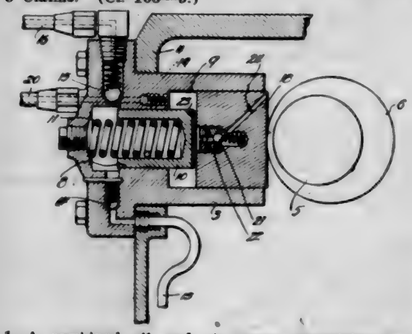
1,563,328. COMBINED OIL AND VACUUM PUMP. CLIFFORD C. BRADBURY, Oak Park, Ill., assignor, by mesne assignments, to Curtis B. Camp, trustee, Oak Park, Ill. Filed Oct. 31, 1921. Serial No. 511,871. 5 Claims. (Cl. 103—9.)



1. A combined oil and air pump comprising an oil cylinder, an air cylinder, pistons mounted in the respective cylinders, there being a sufficient space between the

oil piston and its cylinder for the passage of a small amount of oil, passage means for said small amount of oil to the air cylinder, whereby the latter is lubricated, and a reservoir into which the excess oil passes from said air cylinder.

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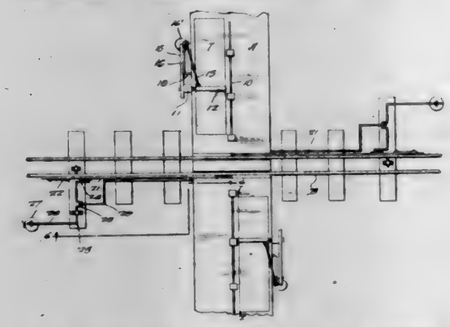
1,563,329. RAILROAD-CROSSING GATE. CLAUDE BRADSHAW, Portsmouth, Va., assignor of one-third to Alvie E. Harmon and one-third to Sands T. Gunn, both of Portsmouth, Va. Filed May 28, 1925. Serial No. 32,442. 9 Claims. (Cl. 246—293.)



2. In combination, a railroad crossing including a roadway and a track crossing the roadway, a gate associated with the roadway, means normally holding the gate in a closed position, a vehicle operated apparatus for opening the gate, a locking member normally out of engagement with the apparatus, a pair of train operated mechanisms for moving the locking member in engagement with the apparatus for preventing a vehicle from operating the gate to an open position, one mechanism being disposed to each side of the roadway, and means between the mechanisms whereby the operation of one causes the other to become ineffective.

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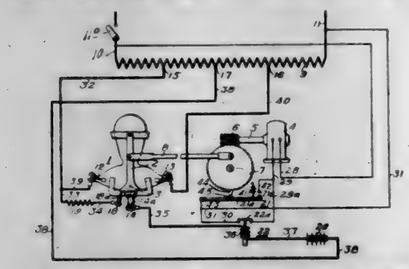
1,563,330. MERCURY-RECTIFIER STARTING DEVICE. EDGAR W. BREISCH, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 17, 1920. Serial No. 404,251. 8 Claims. (Cl. 176—48.)



1. The combination with a vapor rectifier adapted to be started by tilting, of a rotating electric starting motor therefor, and means for translating the continuous rotary movement of said motor into a tilting movement of said rectifier.

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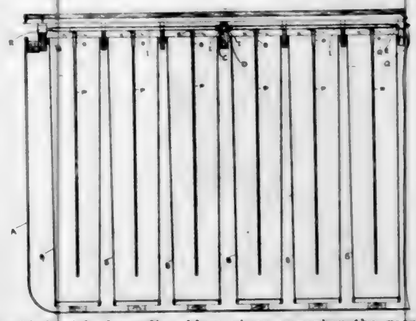
1,563,331. AIR SYSTEM FOR ICE-FREEZING PLANTS. GEORGE B. BRIGHT, Detroit, Mich., assignor to Detroit Ice Machine Co., Detroit, Mich., a Corporation of Michigan. Filed Aug. 21, 1922. Serial No. 583,335. 4 Claims. (Cl. 62—159.)

1. The combination with a brine tank and transversely arranged rows of ice cans removably inserted therein, of an air supply conduit extending longitudinally of said tank, fittings in said conduit registering with the respective transverse rows of cans, inwardly opening valves controlling outlets in said fittings, a header having one end adapted for engaging each fitting, said header extending transversely over the row of cans and



provided with depending blow pipes engaging the respective cans, and a resilient bearing for the opposite end of said header exerting sufficient pressure thereon to open the valve and establish air communication with the header.

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1,563,332. ADAPTER FOR SHEEP SHEARS. FRANCIS G. BRISTOW, Sydney, Australia. Filed Nov. 1, 1924. Serial No. 747,170. 8 Claims. (Cl. 30—1.)

1. In combination with a comb and fixed cutter of a sheep shear and the like, a detachable prolongation for a tooth of the comb, consisting of a sheath having at the forward end a pocket for engaging the end of the comb tooth and at the rear end a tooth projecting upwardly with respect to the bottom web of the sheath, the comb plate having an aperture back of the base or root of the comb tooth positioned for engagement by said tooth of the sheath to retain the latter against movement in the direction for disengaging the sheath pocket from the tooth end.

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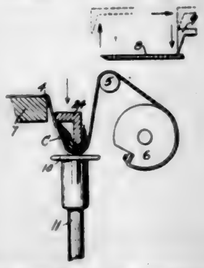
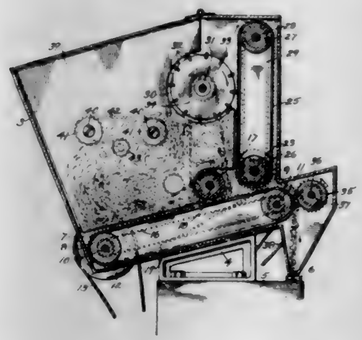
1,563,333. CIGAR-BUNCH-CHARGE FORMER. WILHELM B. BRONANDER, Montclair, N. J., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Mar. 15, 1924. Serial No. 699,488. 8 Claims. (Cl. 131—39.)



1. In a cigar machine, the combination with bunch-rolling mechanism including an element receiving a charge of filler in substantially flat form, of means acting on the charge at one side of its center to fan out and convert it into arcuate form before bunch rolling begins, said element being in the form of a chain belt, and said means acting on the charge during the formation of the belt loop.



1,563,334. CIGARETTE-MACHINE AUTOMATIC FEED. WILHELM B. BRONANDER, Montclair, N. J., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Feb. 12, 1925. Serial No. 8,727. 16 Claims. (Cl. 131—39.)



1. The combination with a housing for confining a mass of cigarette tobacco, of automatic mechanism for disentangling tobacco from said mass and feeding it to a cigarette machine, and automatic means for maintaining within the range of action of said mechanism a substantially constant part of said mass.

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1,563,335. SPRING SUSPENSION FOR MOTOR VEHICLES. CHARLES H. BUCKLER, Camden, N. J. Filed Feb. 4, 1922. Serial No. 534,191. 9 Claims. (Cl. 267—20.)

1. In a motor vehicle the combination with the chassis frame thereof and axle, of resilient suspending means for connecting the chassis frame with the axle, said suspending means comprising a casing extending longitudinally beneath the chassis and forwardly and rearwardly of the axle, arms pivotally mounted on opposite sides of the axle and extending forwardly and rearwardly therefrom toward the opposite ends of the casing and having their outer ends pivotally connected with the casing, the means for pivotally mounting the outer end of one arm consisting of a block slidably mounted in the casing and having pivot means extending externally of the casing and engaged with the arms, means being provided in said casing for yieldably resisting sliding of the block in one direction and means being provided in the casing for yieldably resisting sliding of the block in an opposite direction.

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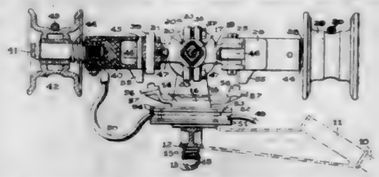
1,563,336. TROLLEY. LELAND F. BURNHAM, Pittsburgh, Pa., assignor to R. D. Nuttall Company, a Corporation of Pennsylvania. Filed Jan. 13, 1922. Serial No. 529,046. 6 Claims. (Cl. 191—57.)

1. The combination with a trolley pole, of a pair of current collectors supported thereby in transversely spaced relation and each mounted for independent movement about a vertical axis, and means for providing



pivotal movement of said collectors on their common transverse axis.

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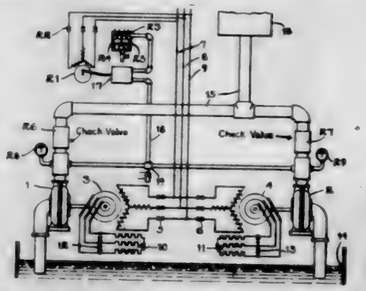
1,563,337. SYSTEM OF CONTROL. JAMES CAPUTO, Girard, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 5, 1923. Serial No. 610,950. 13 Claims. (Cl. 103—25.)




1. The combination with a plurality of main pumps and a priming pump therefor, of means rendered operative by the priming pump for controlling one of the main pumps, and means controlled by said main pump for controlling another of said main pumps.

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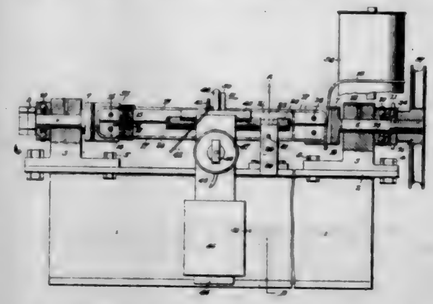
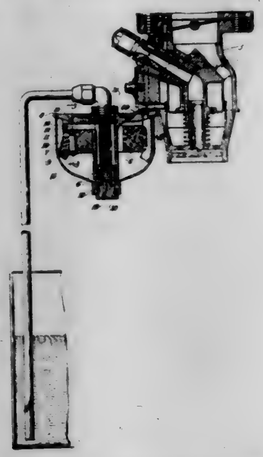
1,563,338. CARPET-MANUFACTURING MACHINE. MARCELINO CARRANZA, Buenos Aires, Argentina. Filed July 17, 1924. Serial No. 726,607. 18 Claims. (Cl. 28—1.)



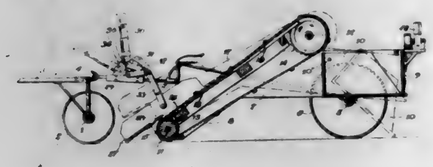
9. A tufted cord making machine comprising a base member; a pair of head pieces mounted on said base; a shaft for each head piece; a rod mounted in said head pieces; a guide for a thread mounted on said rod and adjusted to be controlled thereby; a pair of bars adapted to be inserted in said shafts and to receive a cord; means for rotating said bars and moving said guide so that said guide may direct the thread around said bars and cord; and a plurality of discs on said bars in order to prevent the bars from spreading due to centrifugal force.

1,563,339. CARBURETOR. MILFORD G. CHANDLER, Chicago, Ill., assignor, by mesne assignments, to Curtis B. Camp, trustee, Oak Park, Ill. Filed Oct. 14, 1922. Serial No. 594,523. 6 Claims. (Cl. 137—104.)



1. In a carburetor, the combination with an induction passage of a float chamber comprising a bowl for supplying fuel to said induction passage, a hollow column extending downwardly from the cover of said float chamber, a member adapted to be attached to the bottom of the hollow column and having an abutment thereon for holding the bowl against the cover, a plug carried by said member, a tubular screen extending upwardly within the hollow column and carried by said plug, a valve control opening in communication with the hollow column outside the said screen, a valve for controlling said opening, a pivoted float for controlling said valve, and a fuel delivery connection through the said float chamber cover delivering inside the said tubular screen.

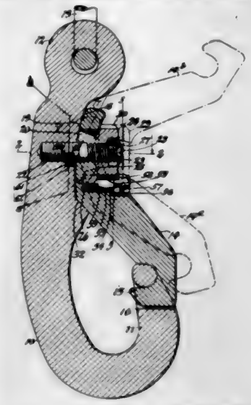
1,563,340. STONE PICKER. CARL CHRISTENSON, Iola, Wis. Filed May 16, 1923. Serial No. 639,418. 1 Claim. (Cl. 55—17.)



A stone picker, including front and rear axles, a frame mounted on the rear axle, a vertically extending member closing the rear end of the frame, a receptacle pivotally mounted on the rear axle, said receptacle being open at its rear end and adapted to be closed by the vertically extending member when in horizontal position, a conveyor and screen carried by the frame, and means for operating the conveyor whereby stones may be carried to the receptacle.

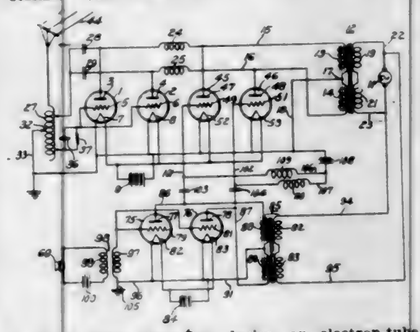
1,563,341. HOISTING HOOK. JOHN CLARK, Buffalo, N. Y. Filed Sept. 15, 1925. Serial No. 56,431. 8 Claims. (Cl. 24—24.)

1. A hoisting hook having a shank and a beak, a clamping bolt arranged on the front side of said shank, a keeper movable into and out of a position across the mouth of said hook and pivotally mounted at its upper end on said bolt and adapted to engage and disengage



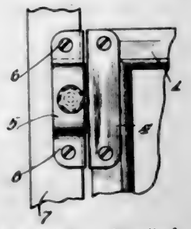
its lower end with said beak, a screw nut working on the thread of said bolt, and locking means for preventing said screw nut from turning backwardly.

1,563,342. SIGNALING SYSTEM. FRANK CONRAD, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 1, 1922. Serial No. 548,679. 14 Claims. (Cl. 179—171.)



1. In a radio signaling device, an electron-tube oscillator, a source of periodic current supplying said oscillator, and means whereby the current supplied to said oscillator is maintained substantially constant, said means including a transformer having large inductive reactance.

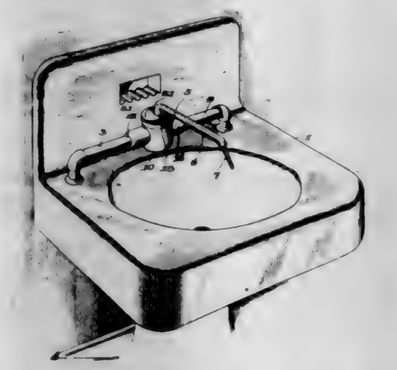
1,563,343. WINDSHIELD HINGE. HIRAM W. COOLEY, Chicago, Ill., assignor to William R. Moss, Chicago, Ill. Filed Dec. 10, 1923. Serial No. 679,577. 2 Claims. (Cl. 296—92.)



2. In a device of the class described, a frame having a recess, a socket mounted in said recess and having channel like extensions secured to said frame, a yielding detent supported in the wall of said socket, and a trunnion rotatable in said socket and having a channel member adapted for receiving a member, said trunnion having depressions engageable by said detent.

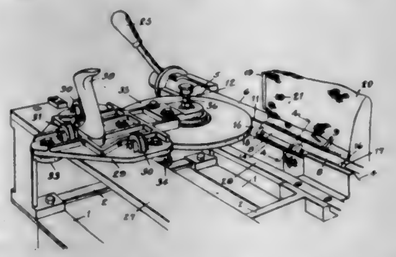


1,563,344. COMBINED HOT AND COLD WATER FAUCET. EDWARD L. CORBETT, New York, N. Y. Filed Aug. 25, 1925. Serial No. 52,313. 5 Claims. (Cl. 251—106.)



1. A sanitary water fixture comprising a hot and cold water inlet, a valve for regulating the amount of hot and cold water passing through the same, an outlet pipe for the fixture and a handle extending directly in the flow of water from the outlet pipe to thereby constantly cleanse the same while the fixture is turned on.

1,563,345. MACHINE FOR SETTING OR APPLYING BELT FASTENERS AND THE LIKE. JAMES K. DIAMOND, Grand Rapids, Mich., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Filed Mar. 30, 1925. Serial No. 19,480. 22 Claims. (Cl. 1—50.)



20. In a structure of the class described, the combination of an anvil jaw member having fastener holding means operatively associated therewith, and a reciprocatingly mounted driven rotating closing jaw coacting with said anvil jaw member.

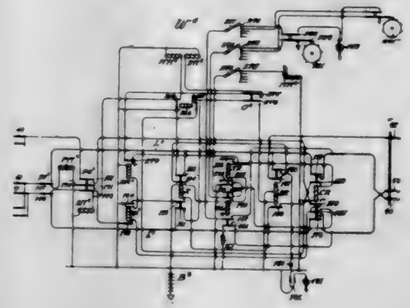
1,563,346. COMPOSITION OF STYPTICS. CHARLES RAYMOND DOWNS, New Haven, Conn. Filed Aug. 12, 1924. Serial No. 731,636. 4 Claims. (Cl. 167—9.)

1. A styptic mixture containing phthalyl peroxide.

2. A styptic mixture containing phthalyl peroxide and phthalic acid.

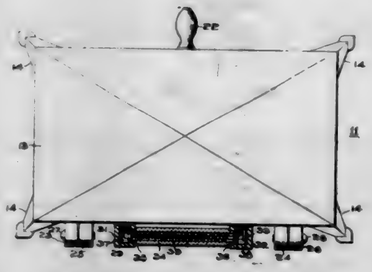
3. A styptic mixture containing phthalyl peroxide, phthalic acid and a filler.

1,563,347. AUTOMATIC TELEPHONE SYSTEM. ALFRED H. DYSON, Montclair, N. J., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 19, 1907, Serial No. 389,180, Patent No. 1,257,283, dated Feb. 19, 1918. Divided and this application filed Mar. 2, 1917. Serial No. 152,045. 52 Claims. (Cl. 179—17.)



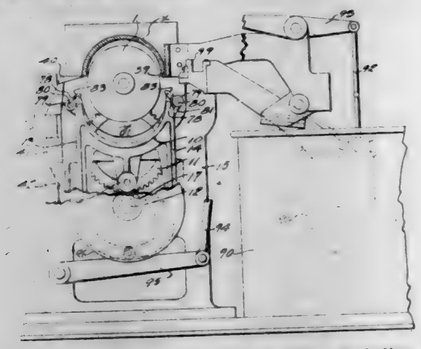
1. In a telephone system, a party-line, a plurality of substations on said line, means for automatically predetermining a code signal, means for signaling said stations according to said predetermined code and automatic means to insure that the code is always applied to the line at the beginning.

1,563,348. ELECTRICALLY-HEATED DEVICE. KARL EHRGOTT, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1924. Serial No. 707,828. 3 Claims. (Cl. 219—19.)



1. In a waffle iron, the combination with a pair of cooperating electrically heated casings, and a plurality of hinges operatively connecting said casings, of hollow lug members extending from said casings and having their outer end portions alined with the axis of said hinges, a tubular connecting member extending between and supported by said lugs, and a flexible conductor located in and extending through said lugs and tubular member for electrically connecting the heating elements in said casings.

1,563,349. STEREOTYPE-PLATE-CASTING MACHINE. WILLIAM EVENSEN, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Original application filed Feb. 17, 1921, Serial No. 445,781. Divided and this application filed Nov. 15, 1921. Serial No. 515,306. 27 Claims. (Cl. 22—2.)



1. A stereotype plate casting machine including in combination a rotatable core, one diameter of which is greater than the other, a cooperating concave casting member, and an end plate for the casting chamber mounted separately from the core and concave casting member.

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1,563,350. SEPARABLE CUFF BUTTON. WALTER E. FIELD and FRED C. STOWE, Providence, R. I., assignors to Harry D. Hedison, doing business as Hedison Mfg. Co., Providence, R. I. Filed July 14, 1925. Serial No. 43,526. 6 Claims. (Cl. 24—110.)

1. A separable cuff button comprising stud and socket members, each having inner and outer heads, a protuberance on the stud member to enter an opening in the socket member, a latch member having arms with portions extending laterally out through openings in said protuberance to releasably engage a portion of the socket member, and a separate resilient push piece having side arms embracing said latch arms and contractible by an axle movement upon engagement with a fixed portion of the button to act upon and withdraw the latch to release the button members.

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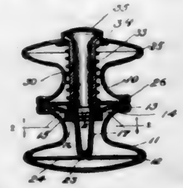
1,563,351. SEPARABLE CUFF BUTTON. WALTER E. FIELD and FRED C. STOWE, Providence, R. I., assignors to Harry D. Hedison, doing business as Hedison Mfg. Co., Providence, R. I. Filed July 15, 1925. Serial No. 43,739. 6 Claims. (Cl. 24—110.)

1. A separable cuff button comprising two button parts, each having inner and outer heads, a latch member in one button part arranged to snap laterally into engagement with portions of the other button part, an axially movable latch-engaging push member in the other of said button parts, one of said members having a surface inclined to the axis and in engagement with the



other of said members, whereby an axial movement of the push member causes a lateral releasing movement of the latch member to permit the separation of the button parts.

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1,563,352. POWDER RECEPTACLE FOR HANDLES. CHARLES O. FISHER, Wellsville, Kans. Filed Dec. 16, 1924. Serial No. 756,373. 3 Claims. (Cl. 273—73.)

3. In an article of the character described, a handle provided with a receptacle having an inlet at one end of said handle and an outlet leading out of the handle at a suitable distance from said inlet, a removable cap member for closing said inlet, and a cap pivotally mounted upon the handle for normally closing said outlet.

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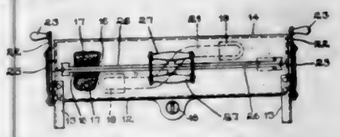
1,563,353. ELECTRIC COOKY BAKER. FRANK F. FORSHEE, Flint, Mich., assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Aug. 22, 1922. Serial No. 583,601. 7 Claims. (Cl. 219—19.)



2. In an electrical cooking device, in combination, a lower casing, an upper casing movable relatively to said lower casing, electric-heating elements in each of said casings, a baking surface operatively secured to said upper casing, and a plurality of baking surfaces to be removably and alternately operatively associated with the lower of said casings, all of said baking surfaces having substantially the same surface configuration.

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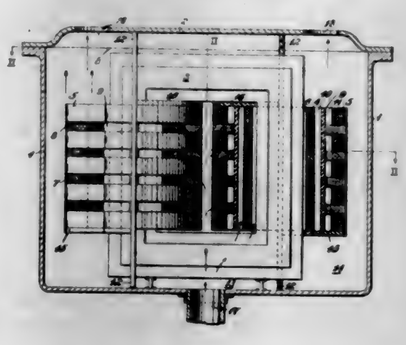
1,563,354. TRANSFORMER-COOLING SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 17, 1920. Serial No. 404,205. 5 Claims. (Cl. 175—361.)

1. A transformer comprising a casing having a plurality of compartments therein, one of which is centrally disposed relative to the others, coils mounted within said casing and extending into adjacent compartments, the coils being disposed to form passageways





for permitting circulation of a cooling medium between said coils from the central compartment in divergent directions to adjacent compartments.

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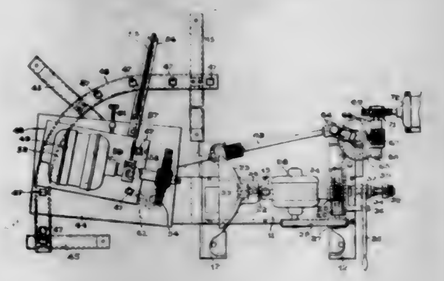
1,563,355. REFLECTOR-POLISHING MACHINE. JOHN C. FOX, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 7, 1923. Serial No. 679,072. 2 Claims. (Cl. 51—33.)



1. In a reflector-polishing machine, in combination, a base, a rotatable chuck for holding a concave reflector the inner surface of which is to be polished, adjustably mounted on said base, a base plate having a pivotal mounting on said chuck base, a motor-supporting plate pivotally mounted on said base plate, a motor mounted on said motor-supporting plate, a circular brush on said motor, means on said chuck-base for moving said chuck toward said brush, and means operatively associated with said chuck-base for causing oscillatory movement of said base-plate, motor and brush around said pivotal mounting.

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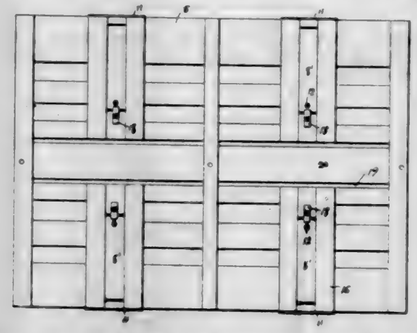
1,563,356. COLLAPSIBLE CRATE. CHARLEY MELLVILL FRANKLIN, Griswold, Iowa. Filed Oct. 3, 1924. Serial No. 741,483. 2 Claims. (Cl. 217—47.)

1. A knocked down crate comprising a bottom section, hinged sections carried by the bottom section and capable of being arranged in a horizontal or vertical position, a top section, guides carried thereby, hinged posts carried by the bottom section and slidably received in the guides, the posts being adapted to be arranged in a horizontal position on the top section when the crate is collapsed, and latch elements engageable with the



posts when the latter are arranged in such position whereby to hold all the parts against movement with respect to each other.

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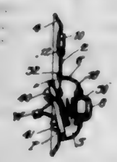
1,563,357. PRESS BUTTON. ARTHUR C. GAYNOR, Stratford, Conn. Filed Dec. 22, 1922. Serial No. 608,443. 13 Claims. (Cl. 200—159.)



7. A device of the type described which comprises, a dome shaped push button mounting member, a pair of contacts within said dome member insulated from each other, and a push button having an inner metallic shell normally insulated from said contacts and adapted to contact with and bridge said contacts, an intermediate insulating layer and an outer shell.

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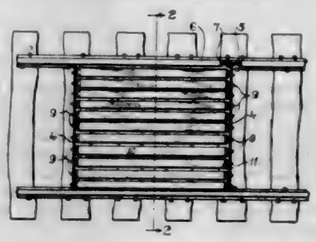
1,563,358. CATTLE GUARD. JOSEPH GIBSON, Diamond City, Alberta, Canada. Filed Dec. 27, 1923. Serial No. 683,007. 2 Claims. (Cl. 256—16.)



1. The combination with railroad tracks or the like, of a device of the character described comprising a pair of spaced supporting members disposed transversely of the tracks, having perforated, offset ends disposed at right angles to the body portion and lying parallel with said rails; securing means adapted to pass through the perforations in said ends and registering apertures in said rails; said supporting members each having a regular and corresponding, longitudinal series of perforations; a plurality of rollers disposed parallel to

said tracks; spindles mounted in the ends thereof adapted to be rotatably carried by the porforations in said transverse supports and sleeves received by the ends of said rollers.

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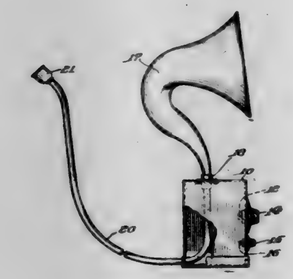
1,563,359. TOY RADIO. DORON GREEN, Bristol, Pa. Filed Mar. 7, 1925. Serial No. 13,818. 2 Claims. (Cl. 46—46.)



2. A toy comprising in combination a cabinet having dials thereon to simulate in appearance a radio receiving set, a sound amplifier associated with said cabinet, and a tube passing into said cabinet at a point concealed from the front of said cabinet and communicating with said amplifier, said tube leading to a point remote from said cabinet.

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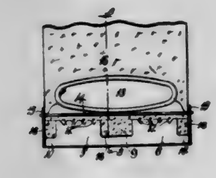
1,563,360. BUCKLE. WILLIAM E. HATHEWAY, Bridgeport, Conn. Filed Nov. 22, 1923. Serial No. 676,218. 1 Claim. (Cl. 24—191.)



A buckle construction comprising a frame and a lever journaled thereto, said frame having a floor, webbing clamping sections pierced from the floor and forming teeth on the edge of the opening in the floor and at the point of severance of said sections, said sections partially divided to give flexibility thereto, said teeth elevated above the floor to be engaged by the webbing, and such engagement maintained by the flexible nature of the partially divided sections.

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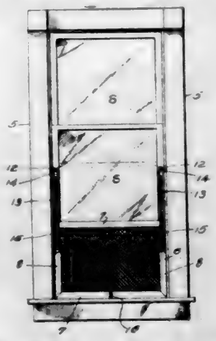
1,563,361. WINDOW SCREEN. MILLARD F. HENNING, Oakland, Calif. Filed Feb. 4, 1924. Serial No. 690,676. 3 Claims. (Cl. 156—14.)

1. The combination with a window frame, window sashes and a screen, of screen holders comprising a pair of elongated plates offset at one end and detachably secured at such end to the window sashes, cooperating means carried by said plates and the screen for slidably maintaining the screen relatively to the sash, and cooperating latch means carried by an end rail of the



screen and the window frame whereby the sashes may be raised or lowered to provide openings to be guarded by the screen.

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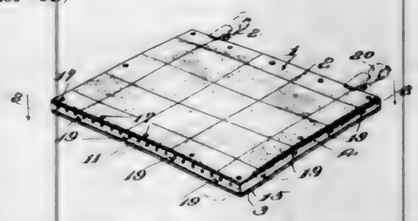
1,563,362. DEVELOPING HOLDER FOR X-RAY FILMS. JUAN RAFAEL HERRADORA, Holtsville, N. Y. Filed Apr. 29, 1924. Serial No. 709,832. 13 Claims. (Cl. 250—34.)



1. A film holder comprising a paper enclosure having a number of spaced walls forming side walls having openings arranged in staggered relation whereby a developing fluid may pass to the enclosure and at the same time preventing light from entering the enclosure.

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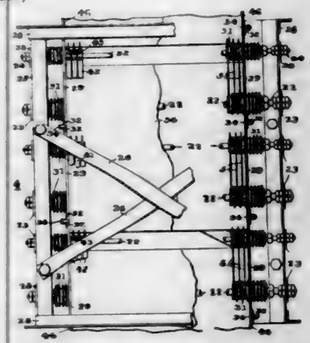
1,563,363. RESISTOR. LLOYD J. HIBBARD, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 22, 1921. Serial No. 486,869. 8 Claims. (Cl. 219—39.)



3. The combination with a plurality of resistors each of said resistors having an enlarged end portion provided with a plurality of slots, of means comprising a plurality of rods for mounting said resistors in side-by-side relation, a frame for supporting said rods in parallel relation and a plurality of relatively flat members adapted to be positioned near the ends of said resistors by said slots.

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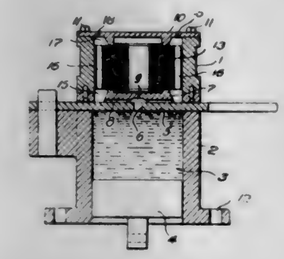
1,563,364. APPARATUS FOR DIE CASTING. SAMUEL C. HOBY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 13, 1923. Serial No. 651,221. 5 Claims. (Cl. 22—134.)



1. A pressure casting device comprising a mold, a reservoir associated therewith, a baffle wall intermediate said mold and reservoir having radial communicating ports and means for emptying the contents of the reservoir through said ports.

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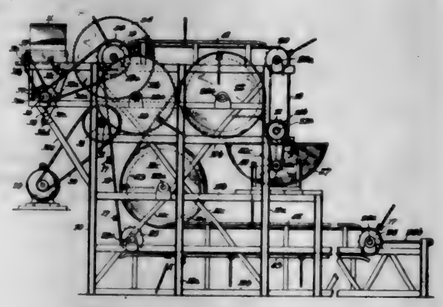
1,563,365. MACHINE FOR COATING ARC-WELDING ELECTRODES. CHARLES H. HOLLUP, Milwaukee, Wis., assignor to C. H. Hollup Corporation, a Corporation of Illinois. Filed July 9, 1920. Serial No. 394,931. 6 Claims. (Cl. 198—24.)



1. In apparatus of the class described, a hopper adapted to receive a plurality of elongated articles of substantially the same shape, said hopper being provided with a plurality of outlets, a stationary plate beneath said hopper provided with a groove corresponding to each of said outlets, means for feeding said articles through said outlets and into said grooves, an endless conveyer, gripping means carried thereby, a transfer table provided with longitudinal grooves in alinement with the grooves of said stationary plate, said table being pivotally mounted at one end adjacent said stationary plate and terminating at its other end adjacent said conveyer, a movable element, and push rods carried thereby adapted to enter the grooves of said stationary plate upon movement of said element in one direction to thereby push said articles from the grooves of said stationary plate into the grooves of said transfer table to a position to be received by said gripping means.

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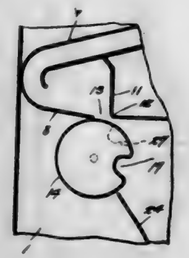
1,563,366. VENDING MACHINE. IRVING C. HONEGGER, San Antonio, Tex. Filed June 1 1923. Serial No. 642,838. 1 Claim. (Cl. 194—2.)



In a vending machine the combination with a freely rotatable cylinder having a longitudinal article receiving recess in its periphery, and a container closed at its lower end by the cylinder for feeding articles successively to the recess, of a counterbalanced member movable with the cylinder and having a tray at one end and an adjustable weight at its other end, said cylinder being rotatable to an intermediate position against the action of the weight when subjected to the weight of an article in the recess, and means for directing an object by gravity against the tray to rotate the cylinder past its intermediate position and release the article carried by the cylinder.

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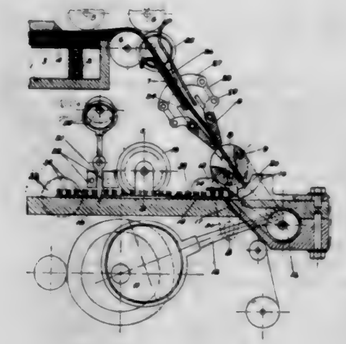
1,563,367. METHOD OF MANUFACTURING ARTICLES OF BRUSHLIKE NATURE. JOHAN ARTHUR HULTQVIST, Norrkoping, Sweden. Filed Dec. 18, 1922. Serial No. 607,686. 4 Claims. (Cl. 300—21.)



1. The method of manufacturing articles of brush like nature comprising the feeding of a plastic mass into sheet form, the movement forward of said sheet, and the forwardly feeding and insertion of a plurality of distinct bundles of fibres in said plastic material in its plastic state at the point where it is being fed.

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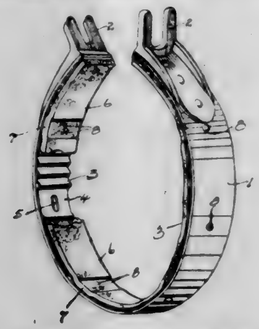
1,563,368. BRAKE BAND FOR MOTOR VEHICLES. ROBERT H. HUTCHINSON, Dallas, Tex. Filed Aug. 7, 1923. Serial No. 656,296. 5 Claims. (Cl. 188—250.)

3. A brake band liner comprising a contracting band, a corrugated spring arranged against the inner side of the band, a friction strip arranged against the inner side of the spring and conforming to the inner surface thereof, the inwardly bowed portions of the spring being

adapted to engage said friction strip against a drum and arranged to gradually flatten the strip on the drum as the pressure increases to increase the surface area of con-



tact, the corrugations of the spring being adapted to equalize pressure thereof through the spring to uniformly bind the friction strip on the drum.

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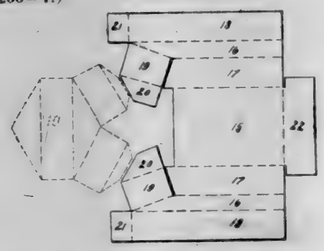
1,563,369. BOX INSERT. AMOS W. HUIETT, Reading, Pa. Filed Dec. 7, 1921. Serial No. 520,514. 1 Claim. (Cl. 206—7.)



A blank for forming a box insert comprising a substantially rectangular body portion having a single free edge and provided at its opposite sides with foldable wings of greater length than the body portion, each wing having a straight side edge and one straight end edge, the other end edge of each wing being cut to provide an outwardly extending flap, and an inclined combined tongue and tab, the combined tongues and tabs of the two wings converging toward each other and extending inwardly beyond the inner fold lines of the wings so that the tabs lie just beyond the free edge of the body portion, and a substantially rectangular end flap integral with one end of the body portion and of slightly greater length than the width of the body portion, each of said wings being adapted to be folded to form side members of inverted U shape in cross section, each tongue being adapted to be folded to form an inclined vertical wall of its associated side member and the tab of that tongue being adapted to occupy said side member, each of said flaps being also adapted to be bent within the side member with which it is associated and to abut against the folded tongue.

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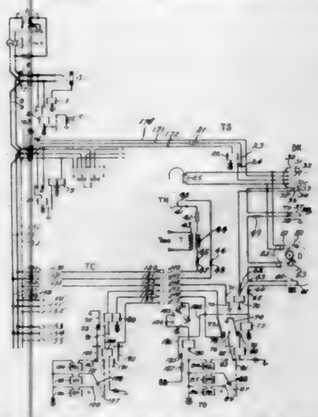
1,563,370. TESTING SET FOR TELEPHONE SYSTEMS. EMIL JACOBSEN, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 11, 1923. Serial No. 631,418. 13 Claims. (Cl. 179—175.)

1. In a signaling system, a plurality of sets of conductors, a test operator's set, means controlled by the test operator for connecting said test set to any set of conductors, automatic switching apparatus associated with said test set having access to multiples of said conductors, an impulse sender for controlling said apparatus to connect with said multiples,



a source of signaling current, means for connecting the same to the selected conductors, and a device associated with said test set responsive to said signaling current.

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1,563,371. IDENTIFYING TAG. HOWARD B. JONES, Evanston, Ill. Filed Jan. 2, 1925. Serial No. 146. 2 Claims. (Cl. 40—2.)

1. An identifying tag for relatively long and slender articles of the kind specified comprising a piece of relatively long and narrow, thin and flexible sheet material having a plurality of perforations therein substantially aligned in the longitudinal direction of the tag through which the article to be identified may be threaded so as to lie to a substantially large extent along the rear surface of the tag, there being a pair of such perforations in one end portion of the tag and in other such perforation near the other end portion thereof, the tag having identifying data on its front surface.

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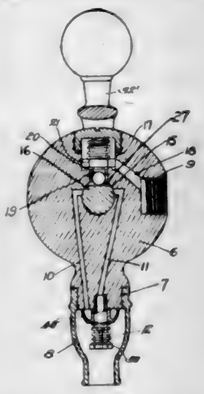
1,563,372. DRAFT ARM FOR SODA FOUNTAINS. JAMES KANTOR, Chicago, Ill. Filed Sept. 20, 1922. Serial No. 589,330. 10 Claims. (Cl. 225—25.)



1. In a device of the class described a head having a chamber therein, a pair of passages opening from opposite sides of said chamber respectively, a supply passage



communicating with said chamber, the three passages being arranged intermediate the ends of the chamber, a turning plug in the chamber having a cut-away portion adapted to place either of the first mentioned passages in communication with the supply passage and a valve in the supply passage normally closed but opened by the turning plug when the latter is turned to place the supply passage in communication with either of the other of said passages.

10. In a device of the class described, a head, a transverse bore in the head, a turning plug in the bore, outlet passages controlled by the turning plug, a handle for operating the turning plug and means for returning the handle to intermediate position when displaced to either side thereof comprising an arm on the turning plug, a pin on said head and a spring coiled about said turning plug and having its respective opposite ends on opposite sides of said pin and arm.

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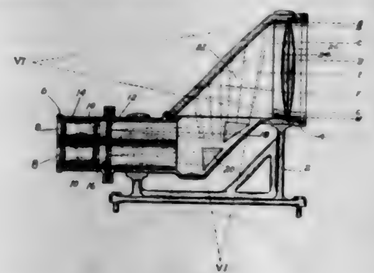
1,563,373. RANGE FINDER. ROBERT KAUCH, Dayton, Ohio. Filed Dec. 14, 1922. Serial No. 607,004. 5 Claims. (Cl. 88—2.2).



1. In an optical system, an objective lens, a prism to deflect the rays of light passing through said objective lens through ninety degrees, and a series of prisms placed between said first mentioned prism and the focus of said objective lens in such manner that the images of objects at predetermined distances are all focused in the same plate.

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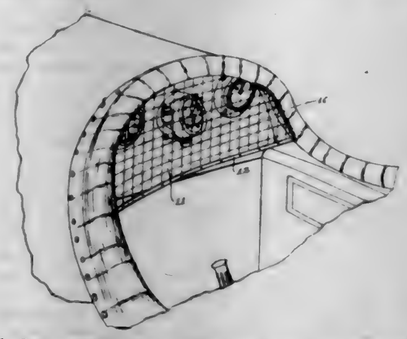
1,563,374. PROTECTION SCREEN FOR AIRPLANE COCKPITS. NORMAN L. KEARNEY, Dayton, Ohio. Filed Apr. 8, 1924. Serial No. 705,006. 5 Claims. (Cl. 244—30.)



1. In a vehicle, the combination with the instrument and control board in front of operator which constitutes a hazard because liable to impact in the event of a crash, of a protective screen to prevent such impact spaced sufficiently from said board to permit free access thereto for manual manipulation or adjustment thereof.

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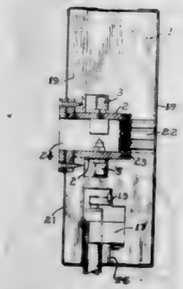
1,563,375. GLOW-DISCHARGE TRANSMITTER CASING. LOUIS F. KINDERMANN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 7, 1923. Serial No. 637,052. 6 Claims. (Cl. 179—121.)



1. A glow discharge transmitter case comprising a body of insulating material recessed to provide chambers for the various elements of a glow discharge transmitter, and a metallic shield, and said body and shield being perforated for the entrance of sound wave disturbances.

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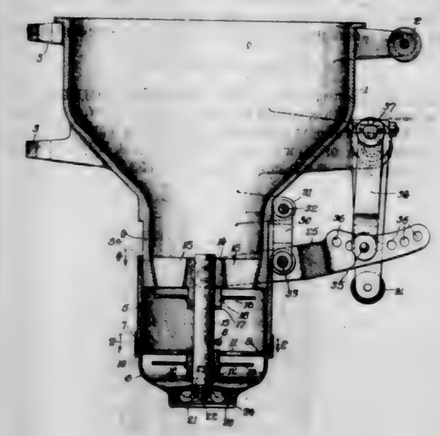
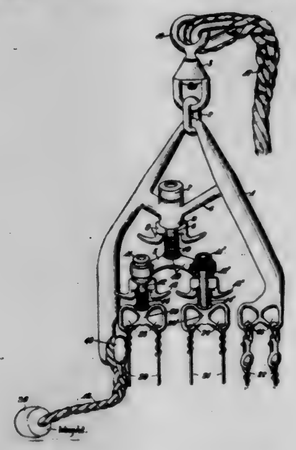
1,563,376. DOUGHNUT FORMER. ROY D. KING, Chicago, Ill.; Anna G. King administratrix of said Roy D. King, deceased. Filed Feb. 1, 1922. Serial No. 533,220. 15 Claims. (Cl. 107—14.)



1. A doughnut former having, in combination, a reciprocatory cylinder, a stationary valved head for one end of the cylinder, a ported head fixed to the other end of the cylinder, a check valve for the second head, a stem fixed to the stationary head and extending axially of the cylinder and through the second head, an annular forming element fixed to the outer end of the stem, a shell fixed to the last mentioned end of the cylinder, said shell having an outlet adapted to snugly surround the annular forming element, and means to reciprocate the cylinder and shell to carry the latter into and out of engagement with the stationary forming element.

1,563,377. PULLING AND TRANSPOSING MECHANISM FOR LINE WIRES. CHARLES H. KLEIN, Jersey City, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 15, 1919. Serial No. 330,898. 12 Claims. (Cl. 175—376.)



1. In an arrangement for transposably connecting a plurality of wires to a yoke connected with a pulling line, the combination with a pair of wires of means for attaching the said wires to a yoke, the said attaching means comprising a rotatable mechanism including a slotted spindle and spacing arms, whereby the wires of the pair may be transposed, and locking means consisting of a trigger guided by the slot in the said spindle and a spring co-operating with the said trigger whereby the said mechanism may be securely held in a fixed position.

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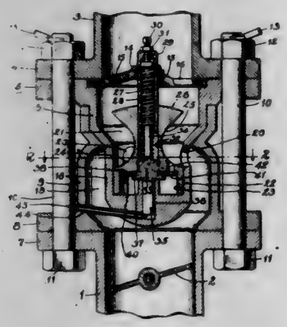
1,563,378. GOVERNOR FOR INTERNAL-COMBUSTION MOTORS. EDWARD KNAUSS, Florin, Calif., assignor to K. P. Products Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 9, 1924. Serial No. 731,234. 8 Claims. (Cl. 137—153.)



7. A governor for internal combustion motors comprising in combination an induction duct, a main throttle valve therein, a supplementary throttle valve located downstream from said main throttle valve and means actuated by the differential between the pressure in said duct downstream from said supplementary throttle valve and atmospheric pressure for moving said supplementary throttle valve toward its closed position.

1,563,379. SAFETY FIRECRACKER. KOBY KOHN, New York, N. Y. Filed Dec. 22, 1924. Serial No. 757,561. 14 Claims. (Cl. 102—22.)

9. In a safety firecracker, in combination, a disruptable tube, an explosive confined near one end of said tube, a weakened wall in said tube between said explosive and the opposite end of said tube, a partition in said tube between said weakened wall and said opposite end, said tube being provided with a gas vent between said partition and weakened wall, said gas vent serving to weaken said wall.

10. In a safety firecracker, in combination, a disruptable tube, a closure near one end of said tube, a fuse through said closure, a partition spaced from said closure, explosive material between said closure and partition, a second partition in said tube, said tube being provided with a weakened wall between said partitions for the purpose described.

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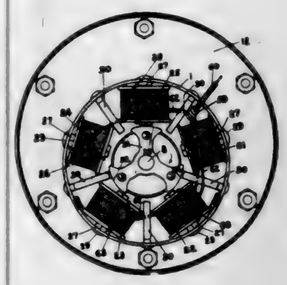
1,563,380. ELECTRIC-MOTOR MECHANISM. GEORGE R. KUNKLE, Elyria, Ohio. Filed May 14, 1923. Serial No. 638,811. 12 Claims. (Cl. 172—36.)



2. In an electric motor, a three-pole rotatable armature therefor, a five-pole field, a magnet winding for each field pole piece, an electric circuit for each said magnet winding, means adapted during rotation of the said armature to close the circuit of each said winding three times during one armature revolution, the periods of closure of the different magnet circuits being so timed that at all times two of said circuits will be closed, and that for shorter periods three of said magnet circuits will be closed.

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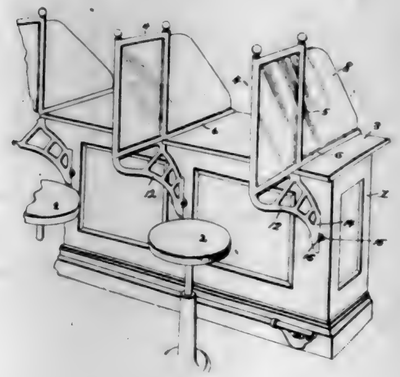
1,563,381. LUNCH-COUNTER PARTITION. CLINTON O. LARMORE, Baltimore, Md. Filed Apr. 4, 1925. Serial No. 20,748. 1 Claim. (Cl. 211—12.)

Means for dividing a counter into stalls or compartments, comprising a substantially rectangular frame whose inner upright is slotted, and whose upper, lower and outer members are grooved in a line with the slot, the lower member of the frame being extended rearwardly from the slotted member thereof and having means for securing the same on the top of the counter, a removable panel designed to be received through the slot and in the grooves of the frame, means for removably securing the panel in the frame, a bracket integrally formed with and projecting downwardly from the outer



portion of the lower member of the frame, said bracket having its inner edge notched to receive therein the projecting ledge of the top of the counter and laterally extending brackets on the inner straight end of the bracket for contacting with the outer face of the counter and for receiving therethrough securing means.



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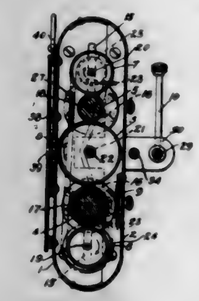
1,563,382. GRAPHIC RECORDING DEVICE. JOSEPH W. LEGG, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 5, 1923. Serial No. 610,954. 11 Claims. (Cl. 242—55.)



2. A graphic-recording device comprising a rotatable drive member, record-chart feed and take-up rollers for rolling operative connection thereto, an idler roller for similar operative connection to each of said chart rollers and means operatively connecting said idler rollers tending to assist the rotation of the one and to retard the rotation of the other.

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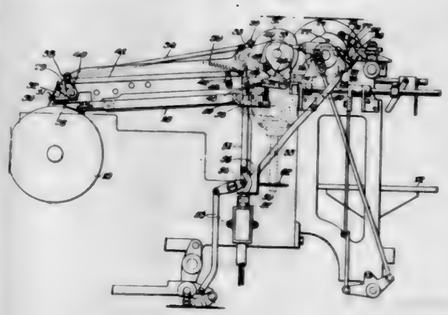
1,563,383. PRINTING PRESS. EDWARD R. LINEBAUGH, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 30, 1923. Serial No. 671,638. 2 Claims. (Cl. 271—56.)

1. In a printing press having stop mechanism under the control of a traveling sheet and including a movable stop-actuating member, and having also pneumatic sheet forwarding means, and means, including a rotary star wheel, to render alternate actuations of said forwarding means inoperative, a cam operative with said star wheel, and means intermittently movable by said cam to shift the said stop-actuating member into idle and active positions in timed relation to the alternate actuations of the forwarding means.



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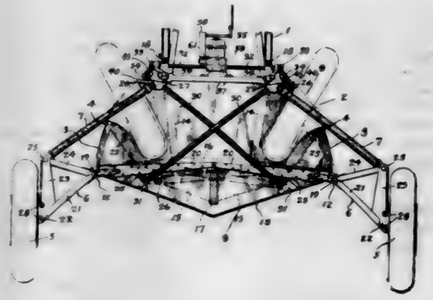
1,563,384. RETRACTABLE LANDING GEAR. GROVER C. LOENING, New York, N. Y. Filed Feb. 16, 1925. Serial No. 9,387. 15 Claims. (Cl. 244—2.)



3. In a flying machine, a supporting structure, a retractable landing gear, a nut traveler to which said landing gear is connected, a rotary operating screw shaft for said nut traveler, a bearing for the screw shaft, a bracket on the supporting structure in which said bearing is laterally movable, an abutment on the supporting structure to receive lateral thrust of the nut traveler on landing, and a spring pressing the bearing, shaft and nut away from the abutment.

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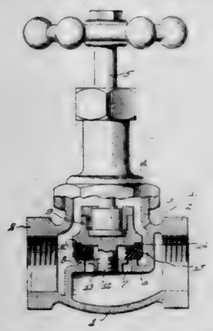
1,563,385. VALVE. BRYCE W. MCCLYMONT, Walkerville, Ontario, Canada, and SETH J. NORTH, Detroit, Mich. Filed May 22, 1925. Serial No. 32,003. 3 Claims. (Cl. 251—27.)

3. The combination with a valve having a valve seat and an adjustable stem, of a holder carried by said stem and provided with an annular boss and a concentric stud, a detachable retaining member on said holder and flush with the outer walls thereof, said retaining member having an annular flange about the boss of said holder,

a packing disk seated in said retaining member and on the boss of said holder and adapted for engagement with the valve seat of said valve, said packing disk having an



opening providing clearance for said stud, and a nut on said stud against said packing disk and closing the opening of said packing disk.

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1,563,386. CATENARY SYSTEM. PATRICK A. MCGEE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 7, 1922. Serial No. 527,593. 10 Claims. (Cl. 191—41.)

1. In a trolley system, the combination with a plurality of trolley conductors for supplying current to a contact device, of means for consecutively suspending one of said conductors from another in substantially the same plane whereby said conductors alternately become messenger wires, a supply conductor and means for attaching said supply conductor to said conductors at points at which said conductors function as messenger wires.

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1,563,387. COAL ELEVATING AND CONVEYING APPARATUS. RODERICK MACEACHEN, Washington, D. C. Filed Aug. 7, 1923. Serial No. 656,188. 12 Claims. (Cl. 198—11.)

1. In a device of the class described, a coal elevator, supporting means on which said elevator is slidably mounted, chains attached to said elevator, sprockets over which said chains travel, and power-controlled means for driving the sprockets to slide the elevator rearwardly.

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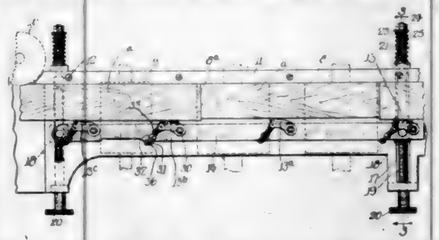
1,563,388. WORK-GUIDING MEANS FOR MOLDING MACHINES AND THE LIKE. CARL LAWRENCE MATTISON and WILLIAM O. VIVARTTAS, Rockford, Ill., assignors to Mattison Machine Works, Rockford, Ill., a Corporation of Illinois. Filed Mar. 24, 1924. Serial No. 701,276. 7 Claims. (Cl. 144—243.)

1. In a woodworking machine, the combination of a work table, a stationary guide member for the work on said table, a plurality of independent spring pressed guide shoes, a carrier bar adapted to support said shoes so as to engage the side of the work opposite the stationary guide member, and means for supporting said carrier bar comprising a rod slidable transversely below the table, a nut screw-threaded on said rod and having said carrier bar secured thereto, and spring means tending to move said rod in a direction to hold the guide shoes in engagement with the work.



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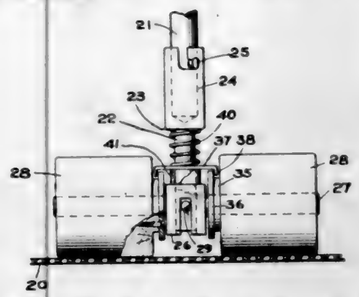
1,563,389. FOOD-TREATING APPARATUS. FRANK R. MILLER, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a Corporation of Ohio. Filed Oct. 22, 1924. Serial No. 745,261. 9 Claims. (Cl. 146—175.)



1. In an apparatus for treating foodstuffs, a shaft member, a roller member pivotally supported thereon, and means for retaining the roller on said shaft, said means comprising an annular flange carried by one of said members and a yielding hook member carried by the other member and adapted to cooperate with said flange.

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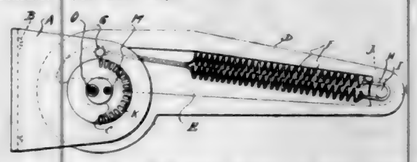
1,563,390. WINDOW-CONTROLLING DEVICE. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed June 19, 1920. Serial No. 390,055. 7 Claims. (Cl. 268—4.)



1. In a window operating device, a unit assembly comprising a lifter arm, a bracket forming a pivotal support for said arm, a counterbalance spring extending from said arm to said bracket and acting upon said arm in the various positions thereof with approximate uniformity, and means for locking the arm to the bracket in various positions of adjustment.

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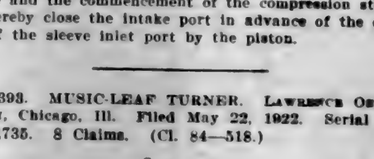
1,563,391. WINDOW-CONTROLLING DEVICE. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed June 19, 1920. Serial No. 390,056. 41 Claims. (Cl. 268—4.)

26. In a device of the character described, the combination with a window actuating means, of a substantially uniform counterbalancing means therefor, locking means actuated by said counterbalancing means



for retaining the window actuating means in different positions of adjustment, and a single support for all of said means whereby they may be installed as a unit.

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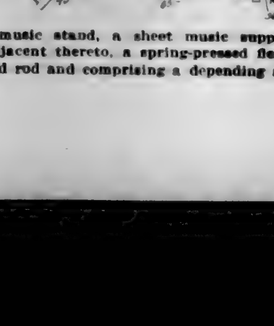
1,563,392. INTERNAL-COMBUSTION ENGINE. ALDEN E. OSBORN, New York, N. Y. Filed Feb. 25, 1920, Serial No. 361,293. Renewed Aug. 12, 1925. 4 Claims. (Cl. 123—75.)



1. In an internal combustion engine, the combination with a cylinder and a piston operating therein, said cylinder having an exhaust port near the inner end of the piston stroke and an intake port near the outer end of the piston stroke, of a reciprocating sleeve valve surrounding the piston and controlling the exhaust port and provided with an inlet port for registry with the intake port and connections from the piston for advancing the sleeve valve to carry the inlet port therein outward beyond the head of the piston during the power and exhaust strokes of the piston and to carry said inlet port inward within the stroke of the head of the piston and over the cylinder intake port between the end of the intake stroke and the commencement of the compression stroke to thereby close the intake port in advance of the closing of the sleeve inlet port by the piston.

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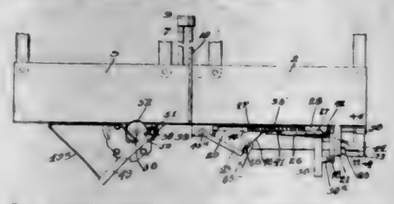
1,563,393. MUSIC-LEAF TURNER. LAWRENCE OSTERMAN, Chicago, Ill. Filed May 22, 1922. Serial No. 562,735. 8 Claims. (Cl. 84—518.)



1. In a music stand, a sheet music support, a rod mounted adjacent thereto, a spring-pressed flexor mounted upon said rod and comprising a depending arm having a lug thereon, and a foot operated slidable member having a spring pressed dog adapted for engaging said arm and elevating the same to longitudinal position and then engaging said lug for shifting said flexible longitudinally.

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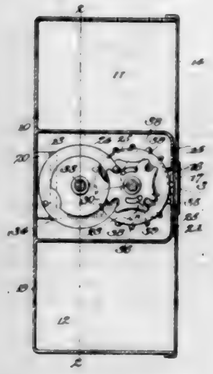
1,563,394. MOTION-PICTURE APPARATUS. FREEMAN H. OWENS, New York, N. Y. Filed May 25, 1923. Serial No. 641,482. 6 Claims. (Cl. 88—16.)



1. A motion picture apparatus for use with film having a plurality of series of images of which the images of one series are arranged in alternation with the images of the other series, comprising means operable for intermittently moving the film in one or the opposite direction to expose respectively the consecutive images of one or the other image series and mechanism for causing said means to function for exposing one image series when the means is operated in one direction and for exposing the other image series when the means is operated in the opposite direction.

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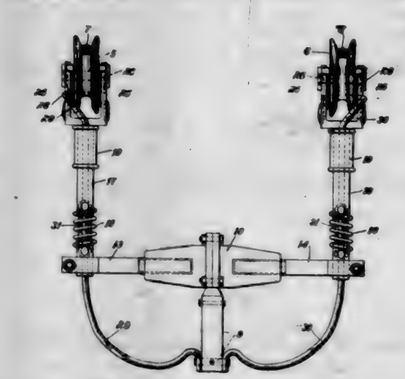
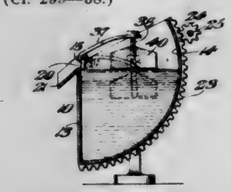
1,563,395. TROLLEY POLE. THOMAS S. PERKINS, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 9, 1921. Serial No. 513,878. 4 Claims. (Cl. 191—57.)



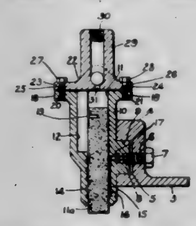
1. The combination with a trolley pole of a yielding element supported at the outer end thereof, a current collector supported by the said element and a supplemental yielding device for opposing movement of the said element in one direction.

**1,563,396. LIQUID-FEED RECEPTACLE.** GEORGE E. PETERSEN, Bristol, Pa., assignor to William H. Grundy Company, Inc., Bristol, Pa., a Corporation of Pennsylvania. Filed Mar. 21, 1924. Serial No. 700,903. 9 Claims. (Cl. 299—58.)



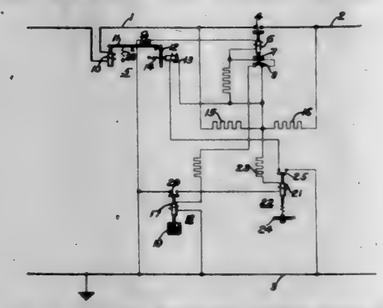
1. In a liquid feed mechanism, a receptacle mounted for tilting movement and having a discharge outlet, means for maintaining a constant liquid level area for all tilted positions of said receptacle, and means for tilting said receptacle to cause liquid to flow from said outlet.

**1,563,397. PNEUMATIC BRUSH HOLDER.** RAWDON EVANS RAMBO, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 8, 1924. Serial No. 704,987. 5 Claims. (Cl. 171—324.)



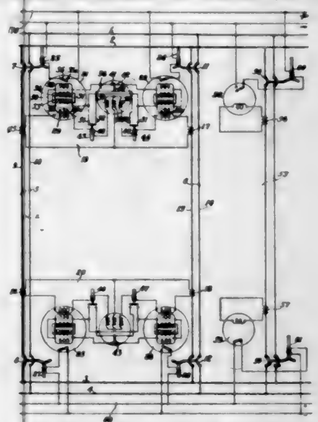
1. A current-collecting device comprising a brush holder having a brush-holding pressure chamber, means for applying fluid pressure to the head of said chamber, and a brush slidably fitting in said chamber and operating as a piston actuated by said fluid pressure, said device comprising transversely extending fluid pockets between said brush and the side wall of said chamber for limiting the escape of fluid.

**1,563,398. AUTOMATIC RECLOSING CIRCUIT INTERRUPTER.** MAURICE E. REAGAN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 555,184. 3 Claims. (Cl. 175—294.)



1. In an electrical distribution system having a common return conductor, the combination with a circuit-controlling device provided with an operating coil for connecting the two circuit section conductors of the system, of two resistors connected between the circuit sections, means for normally connecting the operating coil between the midpoint of the resistors and the common return conductor comprising a resistor and a switch controlled by an overload device, means for latching the switch in open position after its operation, a voltage relay for effecting the release of said switch when the average potential of the two circuit sections attains a predetermined value, and a time-element relay for controlling the energization of the voltage relay.

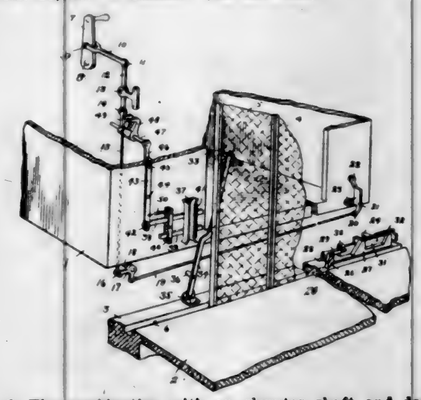
**1,563,399. ELECTRICAL PROTECTIVE DEVICE.** FORREST E. RICKETTS, Catonsville, Md. Filed Sept. 24, 1920. Serial No. 412,546. 21 Claims. (Cl. 175—294.)



1. In an electrical system of distribution, the combination with parallel-connected feeder conductors, of means having a time element and responsive to the current traversing the conductors and means for reducing the time element of the current responsive means comprising means responsive to an unbalance in the current traversing the parallel conductors.

20. The combination with a circuit and an induction relay connected thereto having normally a definite-time characteristic when current in excess of a predetermined value traverse said circuit, of means or altering said characteristic under predetermined conditions in the circuit.

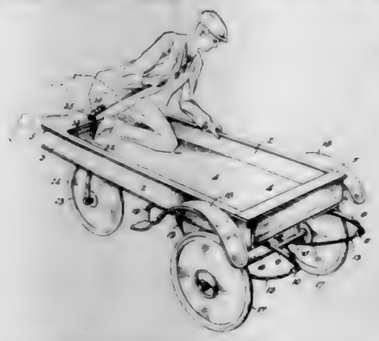
**1,563,400. ELEVATOR SAFETY DEVICE.** MORTIMER M. ROBB, Duluth, Minn. Filed Mar. 7, 1925. Serial No. 13,729. 2 Claims. (Cl. 187—49.)



1. The combination with an elevator shaft and doors therefor, said elevator having a control lever therein and means operable by the movement of the elevator for locking or unlocking the doors of the shaft, of means carried by the elevator for cooperative engagement with operating means carried by one of the doors.

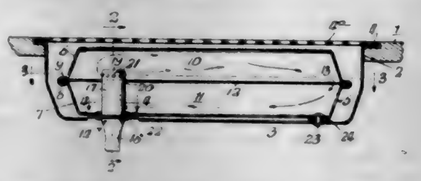


**1,563,401. WAGON.** ERNEST N. ROUSSEAU, Detroit, Mich. Filed Mar. 20, 1923. Serial No. 628,456. 1 Claim. (Cl. 280—87.5.)



A scooter wagon comprising a body tapering inwardly from one end thereof to the opposite end of said body, rails on said body, two wheels supporting the wide end of said body, a cleat fixedly secured to the underside of the narrow end of said body, a steering wheel supported fork engaging said cleat, a steering post extending through said cleat, body and one of the rails thereof and supported from said steering wheel fork, and a steering tongue pivotally connected to the upper end of said steering post and swingable laterally and vertically relative to said body and capable of extending over said body so as to be moved by one hand of an operator kneeling on one leg in said body and propelling the wagon with the other leg.

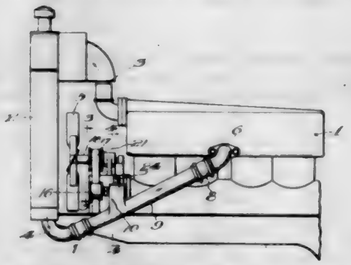
**1,563,402. MOTOR-CAR HEATER.** ELMER RYDER, Berwyn, Ill. Filed Mar. 13, 1924. Serial No. 699,079. 4 Claims. (Cl. 257—136.)



1. An automobile heater comprising a hollow heating chamber, said chamber being formed of two sheet metal sections, one of said sections having a marginal extension bent over and clamped against a marginal extension of the other section to secure the two sections together, a partition plate having its marginal portions secured between the marginal portions of the two sections and spaced from the top and bottom walls of the heating chamber to divide said chamber into two compartments, an exhaust inlet communicating with one of said compartments, an outlet communicating with the other compartment, and means in the said partition plate permitting communication between the two compartments.

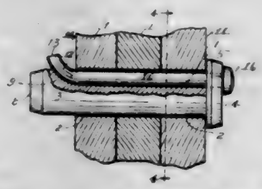
**1,563,403. WATER CIRCULATOR FOR MOTOR VEHICLES.** ELMER RYDER, Berwyn, Ill. Filed Oct. 6, 1924. Serial No. 742,037. 3 Claims. (Cl. 123—175.)

1. The combination with the outlet fitting of a motor vehicle radiator and the inlet fitting of the water jacket of the motor, of a metal pipe interposed between said fittings and flexibly connected therewith by hose sections, a water circulator combined with said pipe and having a driving pulley for actuation by the motor, and a lug



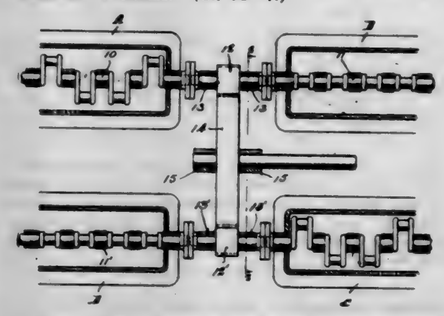
carried by said pipe and engaging the motor casing for holding the pipe against turning under the driving torque of the pulley during the operation of the circulator.

**1,563,404. PIVOT PIN.** HENRY F. SCHULTE, Grand Rapids, Mich. Filed Feb. 13, 1924. Serial No. 692,528. 1 Claim. (Cl. 85—4.)



In combination with a member having an opening therethrough, a device of the character described freely turnable in said opening and comprising; a bolt thrust endwise through said opening and provided with a groove extending in the bolt's longitudinal direction and having an open end at one end of the bolt and having its bottom in the bolt, said bottom being inclined outwardly adjacent the other end of the bolt; a bendable rod thrust endwise into the groove's open end adjacent one side of said member and driven along the groove to a position in which its inner end portion is bent outwardly by engaging the groove's inclined bottom and its inner extremity projects from the groove beyond the opposite side of said member.

**1,563,405. POWER PLANT.** JACOB SCHLUMBERGER, Milwaukee, Wis. Filed Dec. 13, 1922. Serial No. 606,668. 6 Claims. (Cl. 74—7.)



1. In a multiple engine power plant the combination of a driven gear, a plurality of engines disposed at opposite sides of the axis of said gear, each engine comprising a complete operating unit having a crank shaft,

and driving connections including gears between said engine crank shafts and driven gear cooperating to produce a turning moment on said driven gear substantially without bearing reactions on said driven gear.

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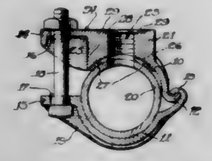
1,563,406. BRANCH-PIPE CONNECTION DEVICE. MORTIMER B. SKINNER, Wilmette, Ill. Filed Mar. 2, 1923. Serial No. 622,237. 1 Claim. (Cl. 285—108.)



A branch-pipe connection device of the character described comprising a pair of complemental body members having an interlocking connection with each other at one side of the device adapted to provide for swinging movement of the members toward and away from each other, said members respectively being formed to encompass a pipe to a materially large extent and one thereof being materially thick where it normally overlies such pipe, the side portion of the device opposite said connection being provided with means for drawing the members toward each other, said means including two opposed extensions, one thereof being on each of said members, and a bolt associated with said extension for drawing them toward each other, said materially thick portion having a hole therethrough adapted to accommodate a branch pipe directed toward a pipe normally held between said body members, the extension on one of said members having a nut-engaging surface substantially level with the outer surafce of said materially thick part whereby the nut is free to ben engaged by a wrench.

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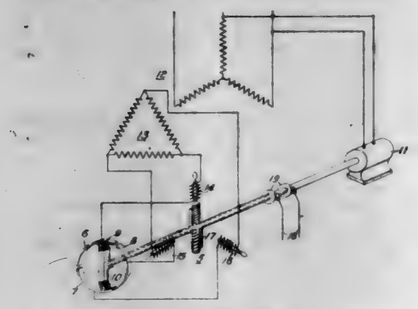
1,563,407. MECHANICAL RECTIFYING SYSTEM. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 25, 1919. Serial No. 326,318. 8 Claims. (Cl. 175—364.)



5. In a rectifying system, a source of polyphase electromotive force, a rectifying commutator having one sector for each phase and a series-connected generator system dependent upon current flow in said rectifying system of impress electromotive forces on the retifying commutator sectors.

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1,563,408. FOUNTAIN MARKING PENCIL OR PEN. THOMAS G. SUTHERLAND, Chicago, Ill. Filed Aug. 20, 1924. Serial No. 733,069. 4 Claims. (Cl. 120—43.)

1. A marking device of the class described comprising a reservoir, a ball member, means comprising a spring pressed member having a recess, and an aperture therethrough communicating with said recess, said recessed

member having slots and contacting with the surface of said ball between said slots at the edge of said recess for distributing the marking fluid over said ball.

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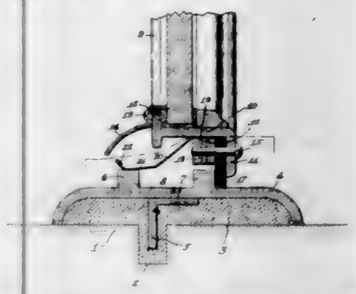
1,563,409. DOORSILL AND WEATHER STRIP. THOMAS E. WALKER, Detroit, Mich., assignor to Crittall Casement Window Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 21, 1925. Serial No. 51,555. 6 Claims. (Cl. 20—66.)



1. The combination of a door having a depending flange, a retaining strip under said door and secured to the door flange, a resilient metallic weather strip attached to said retaining strip and adapted to engage a sill, a yieldable weather strip mounted between said retaining strip and the door flange and adapted to engage the sill, and a weather bar carried by said door and overhanging said resilient metallic weather strip.

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1,563,410. INCORPORATION OF RUBBER IN NON-AQUEOUS MATERIALS. JOHN MORRIS WEISS, New York, N. Y. Filed Dec. 18, 1923. Serial No. 681,409. 14 Claims. (Cl. 106—23.)

1. The method of incorporating rubber in non-aqueous liquids having boiling points of at least 110° C. which comprises the addition of a colloidal aqueous solution of rubber to the non-aqueous liquid at a temperature from 110° C. to 150° C.

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1,563,411. IGNITION AND LIGHTING SWITCH. ALFRED H. WEISS, Wilmette, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed May 24, 1920. Serial No. 383,675. 7 Claims. (Cl. 200—7.)

1. A device of the character described including a mounting plate provided with an arifice, a rotatable contact control member supported by said mounting plate, a spring member adapted to fit into said orifice and secured to said mounting plate, a second spring member

for cooperation with said rotatable contact control member and adapted to fit in said orifice, and means for securing said second spring member to said first spring member.

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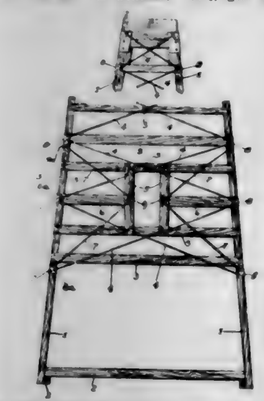
1,563,412. WELL-DRILLING DERRICK. DALLAS D. WERTZBERGER, Tulsa, Okla. Filed Nov. 16, 1923. Serial No. 675,043. 2 Claims. (Cl. 20—0.5.)



1. A tie rod anchoring lug for a well drilling derrick comprising an angular casting having right angled flanges adapted for attachment to the corner of the derrick, each flange terminating in an apertured abutment for receiving the ends of tie rods, and nut anchoring pockets behind said abutments for receiving the tie rod nuts.

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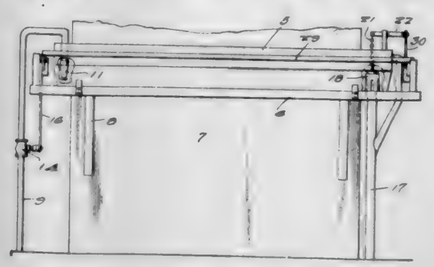
1,563,413. BEVERAGE MIXER. HERBERT H. WHITCOMB, Arlington, Mass., assignor to M. W. CARR & Company, Inc., a Corporation of Massachusetts. Filed Mar. 19, 1925. Serial No. 16,651. 3 Claims. (Cl. 146—3.)

1. In a device of the character specified the combination of a container provided with a base having an inset portion, a juice extractor adapted to fit over the mouth of said container, and means whereby said juice extractor may be removably supported within said inset portion of said base.





1,563,414. POULTRY DRINKING FOUNTAIN. PAUL WIERDSMA, Petaluma, Calif. Filed Sept. 9, 1925. Serial No. 55,279. 3 Claims. (Cl. 119—76.)



1. In combination, a trough, a pair of levers pivotally mounted at the ends of the trough, a perch connecting corresponding ends of the levers, a drain associated with the trough, a valve associated with the drain, weights on the levers, means for operating the valve, said means being controlled by one of said levers so that said valve is normally held open, a water supply pipe leading into the trough, a valve associated with the water supply pipe, means for controlling said valve operable by the other lever to be normally closed.

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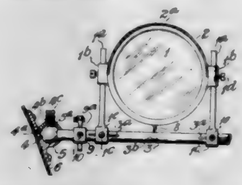
1,563,415. CAR-HEADLIGHT ANTIDAZZLE DEVICE. JAMES FREDERICK WILSON, Shepparton, Victoria, Australia. Filed July 23, 1924. Serial No. 727,748. 1 Claim. (Cl. 240—61.)



A headlight supporting and tilting assemblage for automobiles comprising a pair of socket members attachable to the front fenders of an automobile, a shaft terminating in ball shaped extremities adapted to be received in said socket members, a pair of posts fixed to and projecting laterally from the shaft adjacent each end thereof, a headlight positioned between and carried by the posts of each pair, a crank arm fixed to the shaft adjacent one of said socket members, a bracket attachable to one of the side members of the chassis at a point below and rearwardly of said shaft, a bell-crank pivoted to said bracket, a link connecting one arm of the bell-crank to the arm on said shaft, a guide bracket attachable to the aforementioned side member of the chassis rearwardly of the first mentioned bracket, a rod slidable through said guide bracket and attached at one end to the other arm of the bell-crank, abutments carried by the rod at opposite sides of the guide bracket, springs confined between opposite sides of the guide bracket and said abutment and an operating element connected with said rod for imparting sliding movement thereto.

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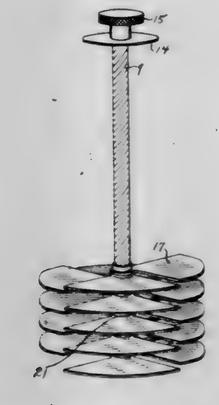
1,563,416. VARIABLE CONDENSER. HENRY M. WOLFSON, New York, N. Y. Filed June 19, 1922. Serial No. 569,272. 4 Claims. (Cl. 250—41.)

1. A condenser having a plurality of helically arranged and stationary plates and a plurality of movable plates arranged in like helical arrangement, and means for rotating and vertically moving said movable plates adapted to successively introduce them between said stationary plates.

3. In a condenser, a threaded shaft having an extension threaded at its bottom, a series of plates each having a recess and each having a tongue engaging the recess of the adjacent plate, each said plate having an



orifice whereby it can be mounted on said extension, spacing sleeves mounted on said extension between said plates which are mounted on said extension, and a nut adapted to clamp said plates and spacing members together.

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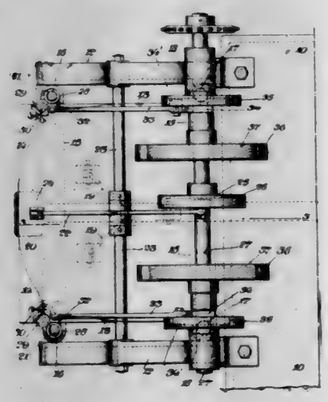
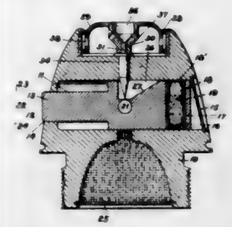
1,563,417. SHEET-FEEDING MECHANISM. JACOB P. WRIGHT, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 19, 1923. Serial No. 663,534. 6 Claims. (Cl. 271—22.)



1. In sheet feeding mechanism, the combination with a support for a stack of sheets, a gripper for a corner of the stack, and means whereby relative movement between the support and the stack is effected to compensate for the removal of successive sheets from the stack, of means whereby relative movement of the support and gripper is effected to release the stack from the action of the gripper, means for pushing the corner of the sheet adjacent the gripper in an angular horizontal direction to shift the corner away from the gripper, and means for bodily removing the said sheet flatwise from the stack.

1,563,418. FUSE. ARTHUR ADELMAN, Chesaning, Mich. Filed Oct. 9, 1924. Serial No. 742,669. 7 Claims. (Cl. 19239.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A fuse including a fuse body, said body formed with a transverse passage and an aperture in communication with said passage, a bolt slidably mounted in the passage and adapted to extend through the aperture in the body, a firing element disposed in one end of the bolt, said bolt formed with a central notch inclined towards the firing element, means for releasably holding the bolt in unarmed position, a firing pin normally disposed in the notched portion of the bolt and adapted to be cammed forward thereby, a striker head mounted in the nose of the fuse body and adapted to move with the firing pin, and a retaining ring for limiting the forward movement of the striker head.

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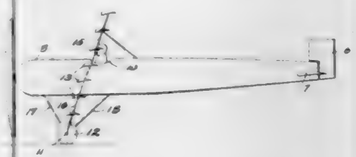
1,563,419. MULTIPLANE. WILLIAM FREDERICK GERHARDT and ISAAC MACKLIN LADDON, Dayton, Ohio. Filed May 29, 1923. Serial No. 642,213. 1 Claim. (Cl. 244—12.)



In an aircraft, a plurality of superimposed aerofoils of equal dimensions, an undercarriage embodying an axle and wheels, an auxiliary aerofoil of lesser dimensions interposed between said plurality of equally sized aerofoils and the axle, a supporting strut connected to each end of said axle extending angularly outward through said auxiliary aerofoil and thence vertically through said plurality of aerofoils, said struts passing through all of said aerofoils midway between the leading and trailing edges thereof.

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1,563,420. PROCESS OF MANUFACTURE OF ARMOR PLATE. JOHN B. JOHNSON and SAMUEL DANIELS, Dayton, Ohio. Filed Aug. 8, 1921. Serial No. 490,751. 9 Claims. (Cl. 148—12.)

8. The herein described process of manufacturing armor plate consisting in subjecting the plate before it has reached its final thickness, to a carburizing operation, then rolling the carburized plate to the required final thickness, then further carburizing the plate, on one side only while protecting the other side, to form a depth of case from ten to forty-five per cent of the total thickness of the finished plate, depending on the ballistic resistance required, then heating the plate to approximately 1560° F., then quenching in oil, then reheating the plate to 1400° F., and finally quenching in water.



1,563,421. STOVE POLISH. MANUEL LEVIN, Boston, Mass. Filed May 8, 1923. Serial No. 637,589. 3 Claims. (Cl. 134—25.)

1. That process of making stove polish which comprises dissolving resin in cold mineral oil, stirring pulverized graphite and a pigment into the solution, and reducing the mixture to the desired consistency by adding more oil.

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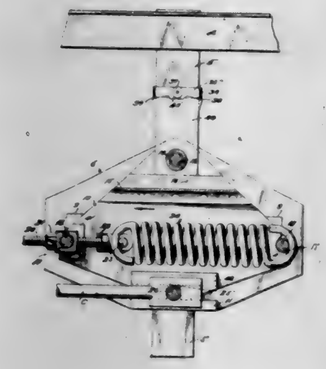
1,563,422. SAFETY DEVICE. WILLIAM H. MCCLELLAND, Huntingdon, Pa., assignor, by mesne assignments, to Ray P. M. Davis, Mount Union, Pa. Filed Dec. 15, 1924. Serial No. 755,938. 12 Claims. (Cl. 192—150.)



1. In a brick making machine, a rocking element for moving the same as a unit, a member for connecting the two, and means for disconnecting the element from said member upon the developing of adverse working conditions in said machine.

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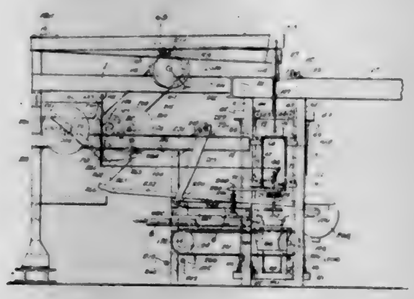
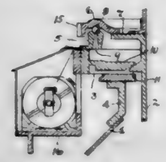
1,563,423. STRIPPER. WILLIAM H. MCCLELLAND, Mount Union, Pa., assignor, by mesne assignments, to Roy P. M. Davis, Mount Union, Pa. Filed Dec. 15, 1924. Serial No. 755,939. 25 Claims. (Cl. 25—2.)



1. In a brick making machine, means for receiving a pallet with brick containing mold thereon, mechanical means for stripping the mold from the brick, means for advancing the pallet with brick containing mold thereon from said receiving means to said stripping means, and means actuated by the stripper for cleaning the mold.

1,563,424. DISTRIBUTOR DRIVE FOR BLAST-FURNACE STACKS. ARTHUR G. MCKEE, Cleveland, Ohio, assignor to Arthur G. McKee & Company, Cleveland, Ohio, a Corporation of Delaware. Filed Oct. 9, 1924. Serial No. 742,523. 7 Claims. (Cl. 214—18.)



1. In charging mechanism for blast furnaces, the combination of a rotary distributor; a base ring providing an annular support for the bearing for said distributor; and driving means for said distributor carried wholly by said ring.

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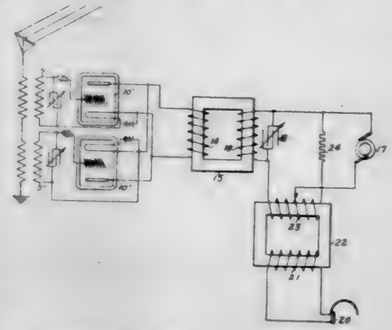
1,563,425. WIRELESS-RECEIVING SYSTEM. RALPH E. MARBURY, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 17, 1920. Serial No. 389,601. 23 Claims. (Cl. 250—8.)



2. The method of detecting wireless impulses in a receiving system wherein a receiving device is dynamically coupled with a source of currents of audible frequency through a parallel resonant circuit which comprises largely destroying the condition of parallel resonance for the frequency of said source upon the receipt of an incoming signal.

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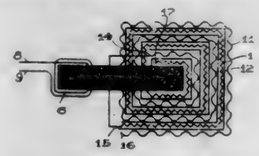
1,563,426. CONDENSER FOR POWER-FACTOR CORRECTION. RALPH E. MARBURY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 7, 1921. Serial No. 506,171. 3 Claims. (Cl. 175—356.)



3. In a power-factor-correction device, an iron core and a winding thereon, said winding comprising a plurality of pairs of superposed layers of conducting sheet material having dielectric material disposed therebetween, the outer end of one conducting layer of one pair being connected to the inner end of one conducting layer of another pair, and so on, until a series is produced including one conducting layer from each of the pairs,

the other conducting layers of the pairs being similarly connected in a second series, and the outer end of one series being connected to the inner end of the other series.

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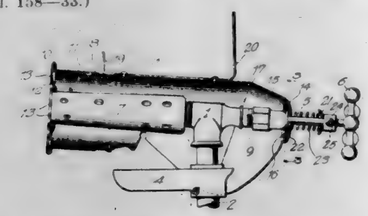
1,563,427. HOOD OR PROTECTOR FOR GASOLINE TORCHES, ETC. BRUNO MARTIN, Saginaw, Mich. Filed June 5, 1925. Serial No. 35,112. 8 Claims. (Cl. 158—33.)



5. A protecting hood for gasoline torches, etc., comprising a substantially cylindrical body portion with protecting wings at one end and depending flanges at said end, having an opening for the reception of the valve stem of a burner, an adjustable cap for said end of the hood, resilient means acting upon said cap, and adjustable means on the stem acting in conjunction with said resilient means.

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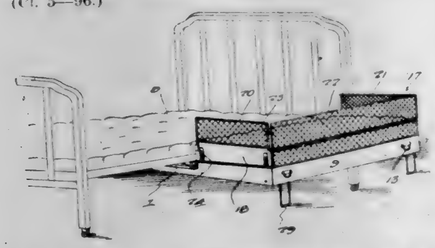
1,563,428. CHILD'S BED. ETHEL MELTON, Atlanta, Ga. Filed Nov. 12, 1924. Serial No. 749,457. 2 Claims. (Cl. 5—96.)



1. In combination, a supporting structure, two pairs of links, one pair pivoted at each end of the supporting structure, each link provided with a longitudinally extending slot having a plurality of notches on one side thereof, and a bed having pins projecting from its ends for engagement in the slots of the links.

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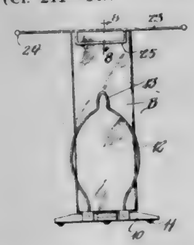
1,563,429. DISPLAY RACK. THOMAS J. MILES, Louisville, Ky. Filed Aug. 22, 1924. Serial No. 733,570. 3 Claims. (Cl. 211—14.)



3. A display stand including a base, a pair of spring wire loops each having its ends inserted in said base, said ends each having a laterally extending portion parallel with the top of the base and a vertical portion extending into the base, and cover plates bearing on the lateral portions and secured to the base, said base being provided with recesses receiving the laterally extending portions and the loop ends being arranged in pairs, said cover plates each having a pair of openings to receive corresponding ends of respective wire loops whereby each cover plate secures a pair of loop ends in position.

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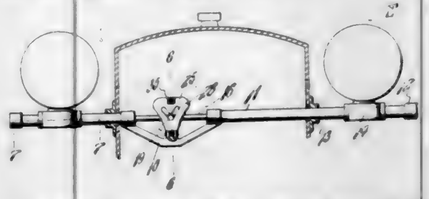
1,563,430. HEADLAMP-CONTROL DEVICE. CALVIN C. MOORE, Steubenville, Ohio. Filed Mar. 29, 1924. Serial No. 702,941. 1 Claim. (Cl. 240—61.)



In a dirigible headlamp device, a bracket carrying tubular housings, headlamps journaled transversely through the housings, a longitudinally movable member slidable through the housings and operatively connected with the headlamps for effecting turning movement thereof from side to side, and an operating rod extending longitudinally with respect to the axis of the vehicle and having a flexible connection with the bracket and a fixed connection with said means for operating the latter, said longitudinally extending member being movable forwardly and rearwardly for tilting the bracket, and means on said longitudinally extending member cooperating with the bracket for maintaining the latter in adjusted position, said named means including an arcuate rack bar carried by the bracket, and a spring pressed latch mounted on the longitudinally extending member cooperating with the rack bar.

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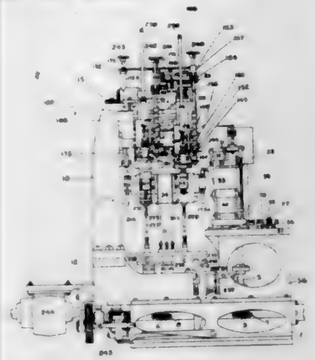
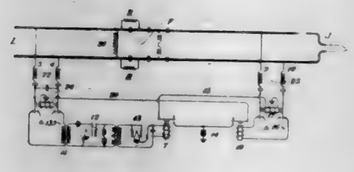
1,563,431. MACHINE FOR MANUFACTURING AND MOUNTING PINIONS AND WHEELS. ANDREW H. NEUKEUTHER, Peru, Ill., assignor, by mesne assignments, to Western Clock Company, a Corporation of Illinois. Filed Dec. 17, 1923. Serial No. 681,312. 35 Claims. (Cl. 29—38.)



1. In a machine for forming and mounting pinions and wheels, a slidably mounted assembling means, a rotatably mounted turret adjacent to said assembling means, a pinion and pivot holding means, a washer holding means, and a wheel holding means, each mounted on said turret, means for successively and intermittently moving and stopping said turret to bring said holding means in line with said assembling means, and means for uniting said parts brought together by said holding means.



1,563,432. COMPOSITE RINGER FOR TRANSMISSION SYSTEMS. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 10, 1921. Serial No. 499,782. 7 Claims. (Cl. 179—2.)



1. A transmission line arranged for the transmission of telephone and signal currents, a composite ringer circuit associated with the line including a relatively high and a relatively low frequency signaling circuit, a filter in said line permitting the passage of telephone currents only, and an impedance element associated therewith, rendering the telephone circuit anti-resonant for one of said signaling frequencies.

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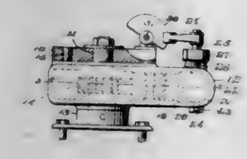
1,563,433. RUDDER BAR FOR AIRCRAFT. CHARLES L. PAULUS and ROBERT KAUCH, Dayton, Ohio. Filed May 8, 1924. Serial No. 711,882. 13 Claims. (Cl. 244—29.)



1. In combination, a control, a fluid system, a member in said system movable in the movement of said control, and means for controlling the flow of the fluid in said system to lock said member and, with it, said control in adjusted position.

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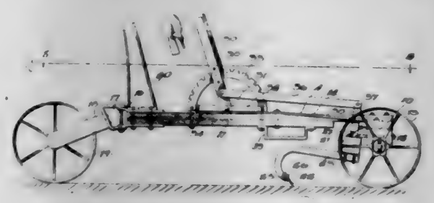
1,563,434. WEEDER. JOHN PRATER, Stanfield, Oreg. Filed Aug. 13, 1923. Serial No. 657,119. 1 Claim. (Cl. 97—144.1.)



A weeder of the character described comprising a frame including a longitudinally extending beam consisting of a pair of spaced bars, a transverse beam connected to the forward terminals of said bars, ground wheels associated with the terminals of the transverse beam, a caster wheel carried by the rear end of the longitudinally extending beam, a transversely extending implement carrying beam disposed in spaced parallel relation to the transverse frame beam, means pivotally connecting the implement carrying beam to the transverse beam, arcuate arms rigidly connected with the implement carrying beam extending downwardly and rearwardly therefrom, a transversely extending weeder blade secured to the lower ends of the arms and arranged substantially the full width of the frame, a pivoted lever secured to the longitudinally extending beam, an upwardly extending arm rigidly connected with the implement beam, a link connecting the lever to said arm, and a ratchet and pawl mechanism for holding the lever in any preferred adjusted position, the lever being arranged between the bars of the longitudinally extending beam.

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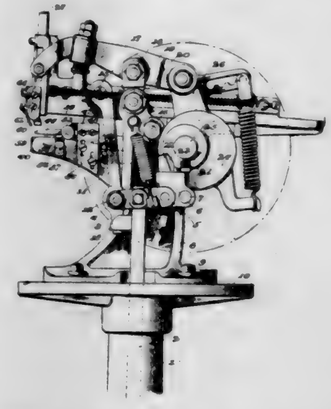
1,563,435. STAPLING MACHINE. ADAM HENRY PRENZEL, Halifax, Pa. Filed Aug. 21, 1922. Serial No. 583,322. 18 Claims. (Cl. 12—2.)



6. A stapling machine comprising means for supporting the peripheral portions of a shoe upper structure, means to support the peripheral portions of a sole in spaced relation to said upper structure portions, and means including a staple guide to press the upper structure toward the sole to form folds around said upper structure supporting means.

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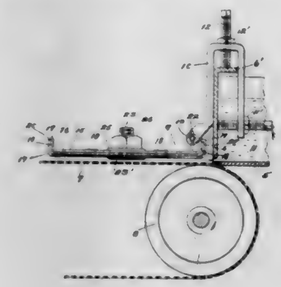
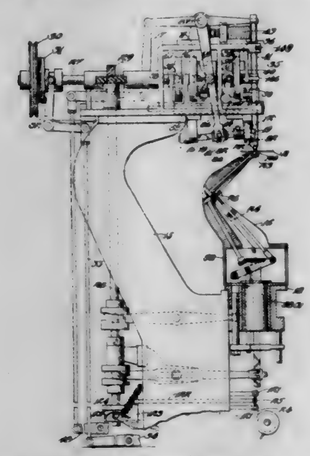
1,563,436. RIPPLE AND BUBBLE ELIMINATOR. RUSSELL M. PUTNAM, Oconto Falls, Wis. Filed July 11, 1925. Serial No. 43,046. 8 Claims. (Cl. 92—44.)



1. The combination with a paper making machine including a pulp vat and an endless belt, of a ripple and bubble eliminator therefor, comprising bracket means for connection with the pulp vat, and a floating member pivotally connected to the bracket means and positioned above the endless belt and engaging the pulp carried thereby.

1,563,437. SHOE-SEWING MACHINE. JAMES H. REED, Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 25, 1921. Serial No. 517,584. 4 Claims. (Cl. 112—36.)



1. In a shoe sewing machine, the combination with a flattened needle, of means for reciprocating said needle and for imparting rotary movement thereto to cause the same to penetrate the work in a position with its greatest cross-sectional dimension transverse to the length of the seam and to be turned into a position with said dimension parallel to said seam when withdrawn from the work, and an awl having a chisel edge disposed transverse to the seam in an angular position corresponding to the angular position of said needle during the work penetrating movement of the latter.

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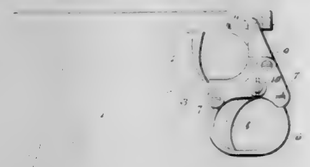
1,563,438. OPERATING TRIGGER FOR DOUBLE-GUN MOUNTS. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,405. 1 Claim. (Cl. 89—27.)



An operating trigger for a double gun mount embodying in combination with the trigger guard of one gun, an auxiliary trigger assembly including a frame attached to said trigger guard, a shaft rotatably carried by said frame, a trigger on said shaft, a lever on said shaft extending upwardly above said trigger guard, and an operating connection leading from the upper end of said lever to the control device of another gun.

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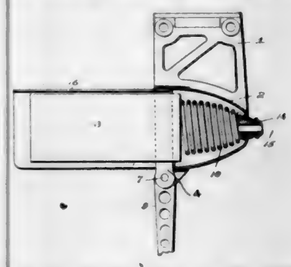
1,563,439. FLARE BRACKET. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,406. 6 Claims. (Cl. 240—1.)

1. A flare bracket embodying a supporting member adapted for attachment to an aircraft, a housing on said support adapted to hold a flare candle, candle ejecting means in said housing, clamping means for holding the



candle against the ejecting action of said ejecting means, and a trip arm for releasing said clamping means, operable on contact with the ground.

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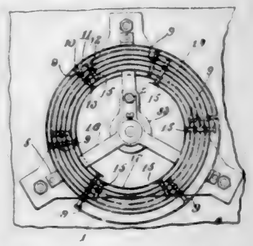
1,563,440. VARIABLE CONDENSER. ARTHUR RUSSELL, Baltimore, Md., assignor to The Russell Radio Corporation, Baltimore, Md., a Corporation of Maryland. Filed Feb. 3, 1925. Serial No. 6,501. 5 Claims. (Cl. 250—41.)



1. A variable condenser having a rotor and a stator each comprising a plate wound in a spiral about the mutual common axis, the two plates being adapted to intermesh with and being spaced from each other, and means to change the relative spacing between the plates by relative rotation of said rotor and said stator about the common axis.

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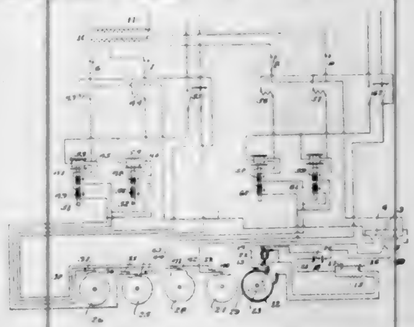
1,563,441. ELECTRIC-FURNACE CONTROL. EARL V. SCHAAL, Harrisburg, Pa. Filed Sept. 12, 1923. Serial No. 662,242. 2 Claims. (Cl. 204—64.)



1. The combination in an automatic furnace control, of a galvanometer having a deflecting member, a furnace heating element, a mechanism controlled by the temperature of the furnace for controlling the galvanometer, a rotatable member, a device controlled by the galvanometer for automatically operating the rotatable member, a



series of relays and contacts operated by said rotatable member for automatically regulating the temperature of the furnace by supplying various voltages to said heating element, and a series of contacts automatically operated by said rotatable member for connecting and disconnecting a source of power to said relays to disconnect and connect the heating element as a whole.

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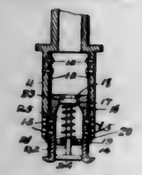
1,563,442. SHAFT THRUST LOCK. LAURENCE J. SCHEBEN, Dayton, Ohio. Filed Nov. 2, 1921. Serial No. 512,335. 4 Claims. (Cl. 287—119.)



1. A latching device for a gun mount, comprising in combination, a socket member carried by the gun turret, and a latch member insertable into the socket member, the latch member comprising a pair of latches, and a longitudinally movable spring-pressed device engageable with the latches for urging the latches to latching position.

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1,563,443. CONE HOLDER. FRED J. SCHNORR, Two Rivers, Wis. Filed Apr. 29, 1925. Serial No. 26,732. 3 Claims. (Cl. 224—45.)

1. An ice cream cone holder comprising spaced inner and outer inverted V-shaped portions having aligned openings of relatively different size adapted to receive a cone in an upright position.

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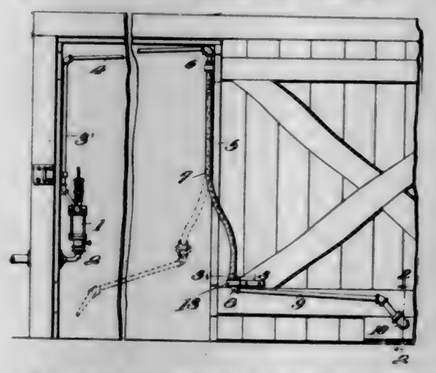
1,563,444. SYSTEM FOR DISPENSING GASOLINE. CLARENCE SCHOCK, Mount Joy, Pa. Filed Jan. 7, 1924. Serial No. 684,894. 5 Claims. (Cl. 221—72.)



1. In a liquid supply system a pump, piping connecting the pump with a portable outlet tube, and pivoted means supporting the outlet tube in a downwardly inclined position to permit drainage and in such a manner that the outlet tube can be released for use only when said means is swung to a predetermined position, the said pivoted means being provided with an opening through which the outlet tube extends when supported thereby.

5. A system for dispensing inflammable liquid comprising a building structure, a door attached to said structure, a pump located within the structure, piping leading from the pump to an outlet nozzle, a bracket formed on the door of said structure and supporting a portion of said piping to prevent removal of the piping when the door of the structure is closed, and a waste pipe passing through the door of said structure for receiving the said outlet nozzle when not in use.

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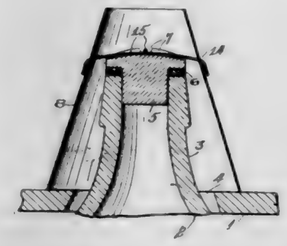
1,563,445. CARBOY-TOP GUARD. GEORGE W. SCOBELL, Rochester, N. Y. Filed July 27, 1923. Serial No. 654,279. 11 Claims. (Cl. 215—37.)



1. The combination with a carboy, of a detachable top guard of resilient sheet material in the form of a truncated cone and slit in the direction of its length to permit compression and expansion thereof, headed projections on the carboy casing, and slotted lateral projecting means on the guard for slidably engaging under the headed projections.

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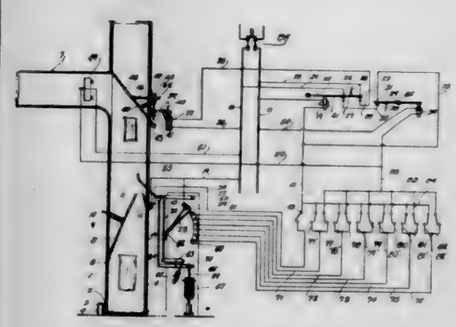
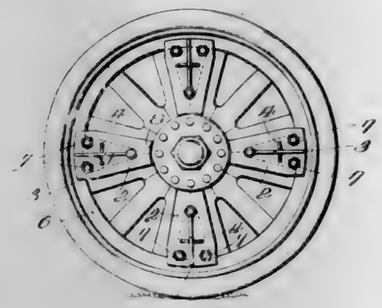
1,563,446. PACKAGE SORTER. RICHARD J. SHOLTZ, Kansas City, Mo., assignor of one-third to Emanuel M. Racz and one-third to Clarence M. Hardenbergh, both of Kansas City, Mo. Filed Dec. 26, 1924. Serial No. 758,313. 9 Claims. (Cl. 83—92.)



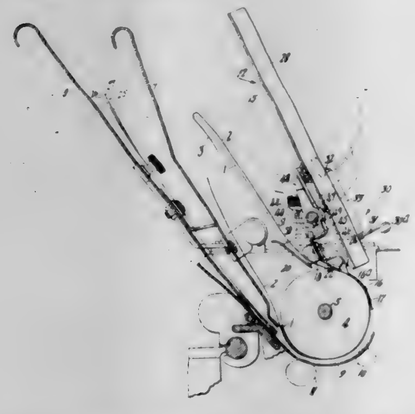
1. A device of the class described comprising an article guideway, an off-chute cooperating with the guideway, an article deflector for deflecting articles from the guideway into the off-chute and electrically operated means actuatable in response to impact and friction of the articles for rendering the deflector operative.

1,563,447. ANTISLIPPING DEVICE FOR MOTOR VEHICLES. HUGH ERNEST SIMONTON, Memphis, Tenn. Filed Oct. 2, 1924. Serial No. 741,144. 3 Claims. (Cl. 301—44.)



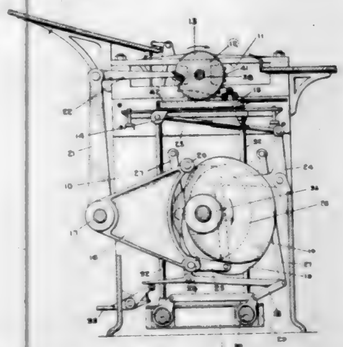
3. A device of the kind described comprising a pair of plates, said plates being adapted to be arranged upon opposite sides of the wheel of a motor vehicle, bolts extending through said spokes for connecting said plates to said wheel, one of said plates being provided with an outwardly extending blade connected to said plate by braces.

1,563,448. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 25, 1923. Serial No. 670,624. 1 Claim. (Cl. 197—128.)



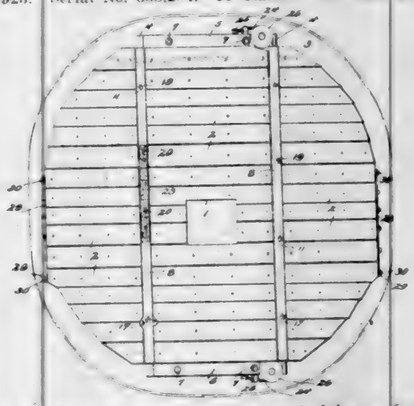
In a typewriting machine having a revoluble platen, an introductory paper-table directing to the platen a wide record-sheet, paper-feeding top rolls bearing lightly upon a narrow carbon-sheet directly overlapping the record-sheet, a collating table at the delivery side of the platen for a narrow statement-sheet placed over the carbon-sheet, and releasable main rollers running upon the platen to hold all the sheets, an auxiliary record-sheet holding element in the form of devices bearing heavily against exposed and widely separated margins of the wide record-sheet and co-operative with said top rolls for securely holding said sheet permanently against the platen, preventing displacement thereof while the main rollers are cast off and the narrow statement-sheet is being withdrawn from the platen and replaced by another.

1,563,449. PRINTING PRESS. WALTER H. SMITH, Pittsburgh, Pa., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 17, 1922. Serial No. 575,517. 1 Claim. (Cl. 101—272.)



In a printing press, a cylinder member; a bed-member; means for moving one of said members laterally with respect to the other, to effect the printing operation; means for moving one of said members transversely with respect to the other to separate said members during a portion of the cycle; a gearing connection between said members operative only when said members are in a non-separated condition, whereby said cylinder member is rotated when in such non-separated condition; and separate gearing for rotating said cylinder, said last-named gearing having a series of its teeth relieved to a progressive extent so as to be operative when said gearing connection is inoperative, but not operative coincidently with said gearing connection.

1,563,450. AIRPLANE-RADIATOR SHUTTER. LORENZO L. SNOW, Washington, D. C. Filed May 11, 1923. Serial No. 638,284. 10 Claims. (Cl. 244—31.)



1. An airplane radiator shutter, embodying a frame having upright channeled housings formed with bearing notches, shutter slats journaled for pivotal movement in said notches, and shutter slat operating members slidable in said housings, said slats being detachable from said housings and operating members.

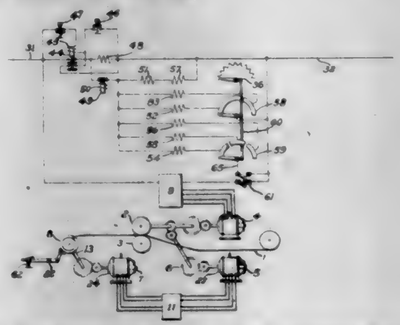
1,563,451. ANCHOR. CHARLES E. STITCHER, Bay City, Mich. Filed July 17, 1925. Serial No. 44,389. 1 Claim. (Cl. 114—206.)

An anchor comprising a shank, a stock extending transversely at one end thereof, an arm extending from the opposite end of the shank in the same longitudinal plane and at an acute angle with respect to said shank.

said arm also having a transversely flat inner face and a transversely rounded outer face and a gradually tapering sharp bill at the outer end of the arm.

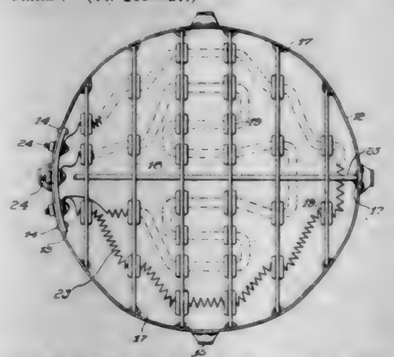


1,563,452. MOTOR-CONTROL SYSTEM. GLENN E. STOLTZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 8, 1923. Serial No. 617,750. 9 Claims. (Cl. 242—75.)



1. The combination with a strip of unfinished material and finishing means therefor, of means for winding the material in coil form, electroresponsive means for maintaining the finished material under constant tension while winding, and electroresponsive means for stopping said winding operation and for maintaining tension during stopping.

1,563,453. ELECTRIC HEATER. ERNEST E. SUTHERLAND, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 28, 1923. Serial No. 677,559. 4 Claims. (Cl. 219—37.)

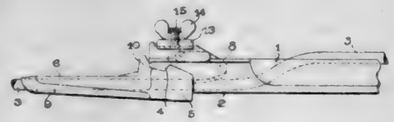


1. In an electrically heated appliance, a heating element comprising a resilient member supported at its ends only and having a plurality of open loops therein, perforated supporting members, of electric-insulating material, in said loops, and a resistor member extending through said perforated supporting members.

1,563,454. ELECTRIC RESISTOR SUPPORT. ERNEST E. SUTHERLAND, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1924. Serial No. 707,814. 7 Claims. (Cl. 219—37.)

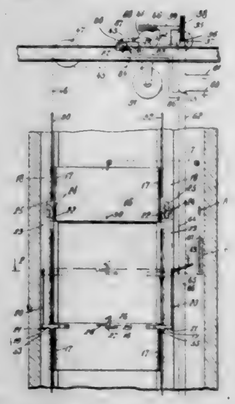
4. In an electric heating unit, the combination with a refractory electrically insulating member having a grooved portion, said grooved portion having longitudinally spaced bridging members extending laterally between the walls of said grooved portion, of a helically wound resistor member supported by the walls only of said grooved portion, and maintained in operative position by said bridging members.

1,563,455. TROLLEY-CONDUCTOR DEVICE. PAUL G. SWARS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 16, 1923. Serial No. 632,183. 9 Claims. (Cl. 191—38.)



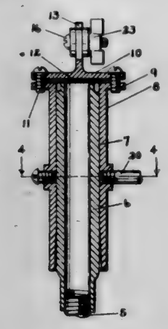
1. A trolley-conductor device comprising a conductor-receiving body member having a notched recess in its under side, and an approach member adapted to engage the notched recess.

1,563,456. POWER-OPERATED DOOR-CLOSURE MECHANISM. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to John Edward Ogden, Mountainville, N. Y. Filed Dec. 28, 1923. Serial No. 683,140. 15 Claims. (Cl. 187—52.)



10. In combination, an elevator hatchway door comprising a plurality of sections biased to open, power actuated mechanism for closing said doors, control means for setting said mechanism in operation and automatic means for discontinuing the operation of said mechanism after the doors are closed, and when said door closing mechanism has been returned to its initial position.

1,563,457. TANK OR BALL VALVE. JOHN VAN DYKE, Kalamazoo, Mich. Filed Mar. 27, 1922. Serial No. 546,949. 1 Claim. (Cl. 137—104.)

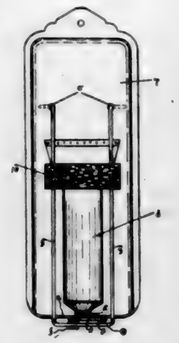


The combination of a tubular valve body member adapted for mounting on a pipe and having external longitudinal guide ribs, a tubular valve member slidable upon said body member and having an outwardly projecting flange at its upper end, a valve member cap piece removably secured to said flange, a valve disk disposed with its edge between said cap piece and flange and adapted to seat upon the top of said body member, a pivot lug disposed centrally of said cap piece, a float arm pivoted to said lug, a supporting link pivotally mounted at the lower end of said valve body member and pivotally connected to said float arm, and a re-fill tube carried by and opening into said valve member.

1,563,458. PERCOLATOR HEATER UNIT. VICTOR GRAVES VAUGHAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 18, 1924. Serial No. 693,568. 7 Claims. (Cl. 219—43.)

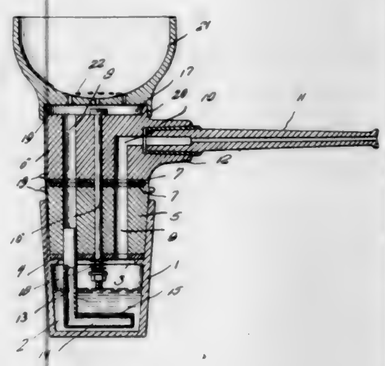
1. In a fluid heater, in combination, a fluid container, a tubular member depending therefrom and constituting a vaporizing chamber for said container and having a laterally-extending integral flange portion intermediate its ends, a flat heating element operatively engaging one surface of said flange portion, a clamping flange member below said heating element and spaced from said tubular member, and a clamping nut, mounted on said tubular member, of relatively large size and having an integral annular portion located within said clamping member, for holding said clamping flange member against said heating element and for simultaneously providing a relatively good heat path from said clamping flange member to said tubular member.

1,563,459. DISPENSING DEVICE. HOMER W. VOLLAND, Omaha, Nebr., assignor to Harold W. Graham, Omaha, Nebr. Filed Sept. 13, 1924. Serial No. 737,624. 1 Claim. (Cl. 221—60.)



In a dispensing device for collapsing a flexible tube, a holder-plate having apertures formed therein adjacent to one of its ends, its opposite end being provided with a foot-piece for supporting the tube, a compressor of aproximately U-shape providing a pair of parallel arms and a handle at the connected ends of said arms, a contact-piece slidable on said arms, said compressor having its arms engaging in said apertures to permit swinging movements relative to said plate and having a length permitting its handle to be disposed beyond the foot-piece.

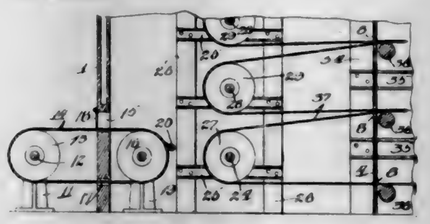
1,563,460. SMOKING PIPE. WILLIAM WALKER, Sawtelle, Calif. Filed Feb. 25, 1925. Serial No. 11,435. 1 Claim. (Cl. 131—12.)



A smoking pipe comprising a cup adapted to contain a fluid through which the smoke is to pass, a bowl for reception of the tobacco, a two-part body interposed between said bowl and cup, one part being received in said cup and the other part being connected with said bowl, resilient connecting means, said parts being formed with aligned openings capable of being disaligned upon relative rotation of the parts, a locking device for maintaining the parts in rigid relation, and a stem carried by one of said parts and serving as a handle for rotating one part with respect to the other.

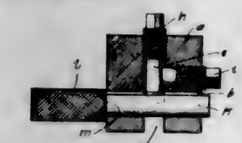


1,563,461. HIGH-TEMPERATURE RADIANT-DRYING SYSTEM. JOHN E. ALEXANDER, Port Edwards, Wis. Filed Nov. 26, 1923. Serial No. 676,913. 13 Claims. (Cl. 34—48.)



1. A material drying machine comprising a housing substantially closed to the entrance of air, foraminous conveyors therein for conducting a material to be dried through a circuitous path in said housing, heating units within said housing adapted to uniformly dry said material during its passage through the housing, and means connected with said heating units for automatically controlling the same to regulate the temperatures in different parts of the housing.

1,563,462. STOP GAUGE FOR SETTING ANVILS OF SAW SWAGES. EDWARD P. ARMSTRONG, Portland, Oreg. Filed Sept. 5, 1922. Serial No. 586,197. 3 Claims. (Cl. 76—54.)

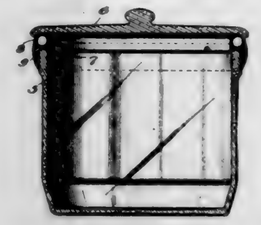


1. A stop-gauge for a saw-swage of the character described, consisting of a rod-like piece adapted to be inserted in the bore of the head for the die of the saw swage; and provided with a portion constituting a stop against which the anvil of the saw-swage may be set, thereby to limit accurately the degree the die may be rotated in the saw-swaging operation relatively to the angle the plane of the face of the throat of the saw tooth shall make with the plane of its back at its point.

1,563,463. PHOTOGRAPHIC APPARATUS FOR CHECKING THE AIMING AND FIRING OPERATIONS ON BOARD AIRCRAFT. LÉON BÉLUGOU, Paris, France. Filed Dec. 21, 1923. Serial No. 682,061. 3 Claims. (Cl. 95—31.)

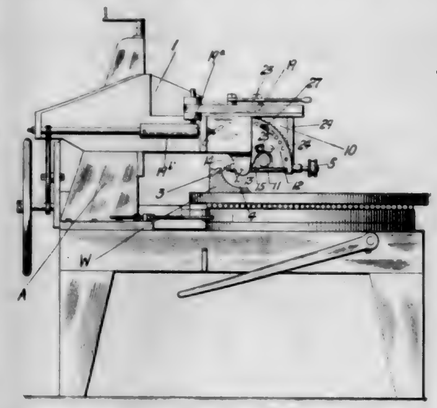
1. A photographic apparatus specially intended for the training of gunners on board aircraft, comprising a shutter, a shutter-controlling means, a cable for actuating the said means, a control for the said cable disposed at a distant point, two film bobbins whereof one is positively actuated, a device for actuating the latter bobbin, said device being controlled by the said cable, and means whereby the said cable successively effects the setting and the release of the said shutter.

1,563,464. GASKET FOR JAR COVERS. CHESTER W. BISLAND, Fremont, Nebr. Filed June 4, 1921. Serial No. 475,034. 10 Claims. (Cl. 215—37.)



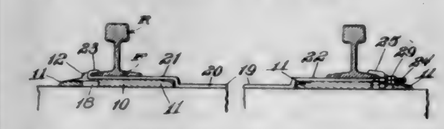
1. The combination with a receptacle, of a gasket comprising a cushion resting on the walls of the receptacle at the mouth thereof, an elastic tube supported on the cushion, and an elastic skirt depending from the cushion and frictionally engaging the outer walls of the receptacle adjacent the mouth thereof.

1,563,465. ATTACHMENT FOR MOLD-ENGRAVING MACHINES. ARTHUR L. BREITENSTEIN, Akron, Ohio. Filed Mar. 19, 1923. Serial No. 626,175. 16 Claims. (Cl. 90—15.)



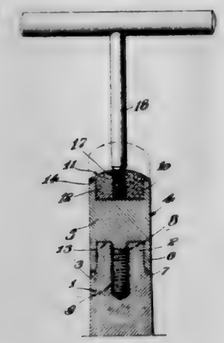
1. In a mold engraving machine, a tool carrying plate, a pivotal support for said plate and a rectilinear guide for said plate, an actuating lever, and means whereby said lever may be employed to move the plate about the pivot or on said guide selectively.

1,563,466. GAUGE PLATE FOR RAILS. ORRIN JOSEPH BUJOL, Estherwood, La. Filed July 30, 1925. Serial No. 47,096. 4 Claims. (Cl. 238—288.)



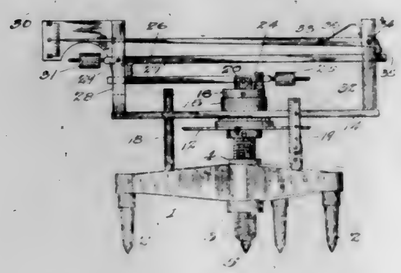
1. A gauge plate for rails having a seat for the flange of the rail, said plate having openings formed therethrough for the passage of spikes at opposite sides of the rail, said plate having in its upper surface a longitudinally extending channel transversely dividing the rail seat.

1,563,467. BILLIARD CUE. GEORGE K. CANIAS, Philadelphia, Pa. Filed Oct. 16, 1924. Serial No. 743,893. 3 Claims. (Cl. 273—70.)



1. The combination with a cue, having a cup on its upper end, of a tip fitting within the cup and having a hole in its bottom whereby, when the tip is worn to the hole, a tool may be secured therein and the tip removed.

1,563,468. SPHEROMETER. NAPOLÉON CARREAU, Jr., Wichita, Kans. Filed Mar. 17, 1924. Serial No. 699,760. 1 Claim. (Cl. 33—172.)



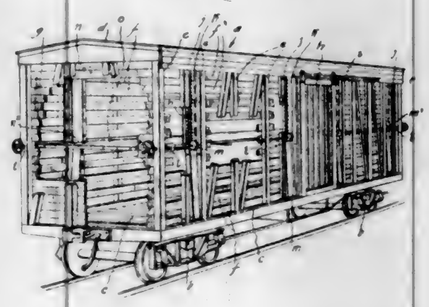
A measuring instrument comprising a plurality of fixed contact members, an adjustable threaded contact member about which the fixed contact members are radially disposed carrying a floating needle having a contact point, and mechanism for magnifying and registering the point of contact.

1,563,469. DISPLAY RACK. EDWIN S. CHAMBERLIN, Dayton, Ohio. Filed Aug. 29, 1924. Serial No. 735,002. 1 Claim. (Cl. 211—14.)

The herein described rack consisting of upright members, horizontal members extending from one upright member to the other, other upright members bent near the central parts thereof so that the upper parts of said members extend in a plane laterally to the lower parts thereof, the upper parts of said upright members cooperating with the first mentioned upright members to form a depressed space and constituting a frame adapted to receive display cards, whereby the outer display card may be maintained substantially flush with the forward edges of the first mentioned upright member, legs secured to the lower ends of the first mentioned upright members, one pair of such legs extending forward of the point of connection, a table supported by said legs and having a detachable connection with the upright members, whereby the table may be folded to occupy the space

between the lower portions of the first mentioned upright members, the upper ends of one set of legs being foldable against the sides of the first mentioned upright members.

1,563,470. CONVERTIBLE STOCK CAR. RAY C. CHISAM, The Dalles, Oreg. Filed May 31, 1924. Serial No. 716,983. 6 Claims. (Cl. 105—370.)



1. In a stock car and the like, a movable floor composed of sections located at the opposite ends of the car, the movable floor being composed of floor boards, having transverse joist members fastened to and projecting below their under side, the main floor of the car being provided with recesses in which said joist members are received so that the movable floor can rest throughout directly on the main floor of the car, and means for lifting the movable floor sections independently, such means operable from the exterior at each end of the car.

1,563,471. DIAGNOSTIC INSTRUMENT. HANS CLEMENT, New York, N. Y., assignor to General Optical Company, Inc., a Corporation of New York. Filed Apr. 26, 1924. Serial No. 709,285. 3 Claims. (Cl. 88—20.)

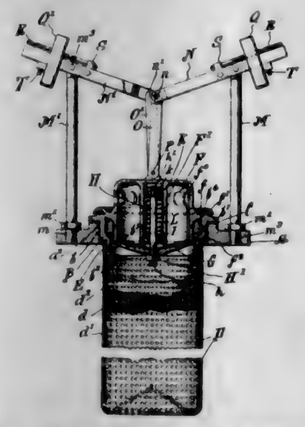
1. A diagnostic instrument comprising a handle having battery contacts, a tube carried by the handle, an objective lens in the outer end of the tube, a lamp within



the tube having electrical contact with the battery contacts, a condensing lens having screw threaded connection with the lamp mount and adjustable thereon to

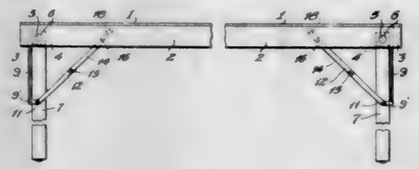
vary its distance from the lamp filament, and means to adjust the distance of the objective lens from the lamp and condensing lens.

1,563,472. SAFETY VENTING ATTACHMENT FOR LARGE RECEPTACLES CONTAINING VOLATILE EXPLOSIVES. JACOB COHN, New York, N. Y., assignor, by mesne assignments, to Non-Explosive Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Oct. 13, 1922. Serial No. 594,406. 5 Claims. (Cl. 220—86.)



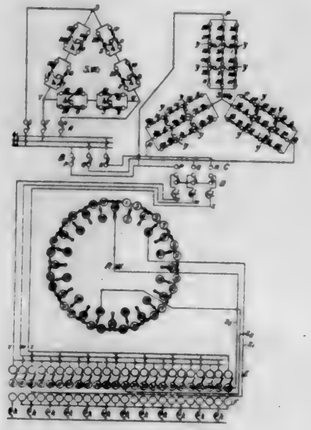
1. A safety attachment for receptacles containing volatile inflammable liquids comprising a hollow cylinder provided with a wire gauze screen adapted to project down into the upper portion of said receptacle, a hollow relief valve provided with an air passage therethrough, normally closing the top of said cylinder, weight means for adjustably counterbalancing said relief valve, said weight means being exterior of the receptacle and valve, an air valve carried by said relief valve and adapted to normally close said air passage, but to open same when the pressure in said receptacle falls below a predetermined limit, with means for causing said air valve to open at a predetermined fall of pressure in said receptacle.

1,563,473. FOLDING TABLE. THAD H. COLLADAY, Decatur, Ill., assignor to Colladay Manufacturing Company, Decatur, Ill., a Corporation of Illinois. Filed July 14, 1923. Serial No. 651,681. 4 Claims. (Cl. 45—11.)



1. In a folding table, in combination: a table top, a pair of transverse leg supporting members journaled adjacent the ends of said top, a pair of table legs rigidly mounted on each of said supporting members and adapted when extended to support said table top; a collapsible brace member extending between one of each pair of table legs and said top and comprising a pair of arms pivoted together, one end of each of said arms being respectively pivoted to said table leg and said top, one of said arms being provided with a sidewise extending lug, and the other of said arms terminating in a resilient extension having a lateral aperture to receive said lug, whereby said apertured extension may be sprung into interlocking engagement with said lug to maintain said brace member in extended position and said legs in table-supporting position.

1,563,474. CASCADE MACHINE. FREDERICK CREEDY, Ilkley, England. Filed July 30, 1921. Serial No. 488,686. 24 Claims. (Cl. 172—274.)

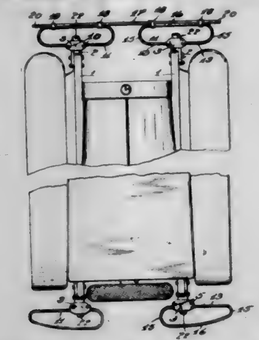


1. An internal cascade machine comprising a stator and a rotor, polyphase windings on said members which produce fields of different numbers of pole pairs the sum or difference of which, divided by their G. C. M. is greater than three, the winding on one member producing a number of equally spaced maxima of ampere conductors equal to the algebraic difference of the numbers of pole pairs in the two fields (taking account of the relative directions of rotation of the two fields).

1,563,475. AUTOMOBILE BUMPER. JAMES B. DRENNAN, Portland, Oreg. Filed Feb. 4, 1925. Serial No. 6,726. 6 Claims. (Cl. 293—55.)

1. In an automobile bumper, a supporting block rigidly connected to the frame of a car having a notch at each

of its lateral ends and a vertically disposed bolt, and a bow-spring having an eye at each end pivotally secured



to said bolts, respectively, and extending at its middle portion across and in front of said block.

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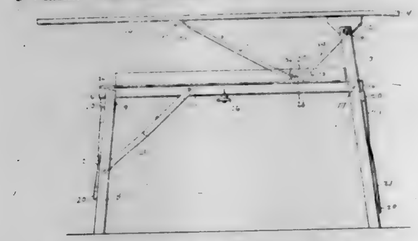
1,563,476. IRONING BOARD. JOHN N. FARIS, Portland, Oreg. Filed Mar. 7, 1923. Serial No. 623,390. 1 Claim. (Cl. 68—10.)



In an ironing table, the combination of a board having an ironing surface and having two legs hinged to and supporting one end thereof with a horizontal frame under said board having two short legs hinged to one end and having its other end hinged to said board supporting legs; brace means for supporting the other end of said ironing board over said frame; and a pair of independent sliding trays on said frame adapted to be pulled outwardly beyond the edges of said board, said trays consisting of overlapping slats having cleats fastened across the inner and outer ends thereof and having a holding cleat between said inner cleats secured to said frame.

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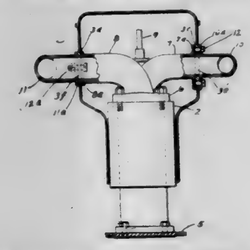
1,563,477. INTERNAL-COMBUSTION ENGINE. ANSLEY H. FOX, Philadelphia, Pa., assignor, by mesne assignments, to Fox Holding Company, Philadelphia, Pa., a Corporation of Delaware. Filed Dec. 5, 1921. Serial No. 519,962. 4 Claims. (Cl. 123—171.)



1. In an internal combustion engine, the combination with a plurality of cylinders having ducts connected with the heads thereof, and manifolds connected with the ducts, of an air duct encasing said cylinder heads and ducts first mentioned, said air duct having its sides fixed between and supported by said ducts and manifolds.

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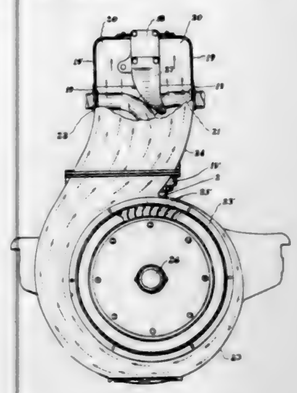
1,563,478. MEANS FOR AIR-COOLING ENGINES. ANSLEY H. FOX, Philadelphia, Pa., assignor to Fox Holding Company, Philadelphia, Pa., a Corporation of Delaware. Filed July 1, 1922. Serial No. 572,319. 8 Claims. (Cl. 123—171.)



1. The combination with an internal combustion engine having one or more cylinders, of an air cooling system comprising a conduit leading to said engine, means in the course through said conduit to said engine for dividing and maintaining a division of the air flowing therethrough and deflecting the divided streams over the top and then downward over opposite sides of said cylinder or cylinders, and means for passing said streams at high velocity over said cylinder or cylinders in contact therewith.

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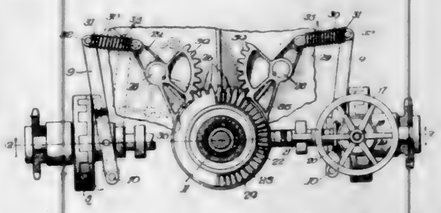
1,563,479. TRACTOR DRIVING AND STEERING MECHANISM. JAMES C. FRENCH, Chicago, Ill., assignor, by mesne assignments, to F. C. Austin Machinery Company, a Corporation of Illinois. Filed Nov. 19, 1918. Serial No. 263,210. 6 Claims. (Cl. 180—9.2.)



1. In a tractor of the class in which the direction of travel is governed by controlling the transmission of power to the traction devices at opposite sides of the vehicle, the combination of a turn-table, mechanism to communicate power to the traction devices, power transmission means to connect said mechanism with a source of power on the turn-table, and instrumentalities including steering gear connections to control said mechanism from a position on the turn-table, said instrumentalities including a pair of vertically disposed rock shafts connected to said mechanism, and the steering gear comprising a gear ring mounted to oscillate about the axis of said turn-table, means to connect said gear ring with said rock shafts, and means including bevel gearing whereby the driver operates said gear ring to steer the vehicle.



1,563,480. CHAPLET. SAMUEL H. GIBSON, Cleveland, Ohio, assignor to The Fanner Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 26, 1924. Serial No. 688,679. 3 Claims. (Cl. 22—184.)

1. A core supporting chaplet having a stem with a portion laterally offset from the remainder of the stem by a partial shear.

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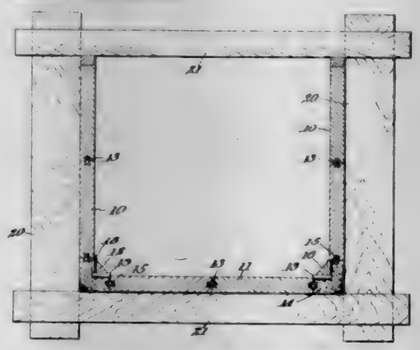
1,563,481. CORNER CONSTRUCTION FOR FLUMES, TROUGHS, LAUNDERS, AND THE LIKE. HUGH WILSON GILCHRIST and JOHN JAMES REID, Anaconda, Mont. Filed Sept. 12, 1924. Serial No. 737,434. 13 Claims. (Cl. 61—14.)



1. A corner construction for polygonal section flumes or the like comprising relatively heavy timbers held end to end and constituting angle-pieces, and liquid-tight joints between the adjacent ends of the timbers.

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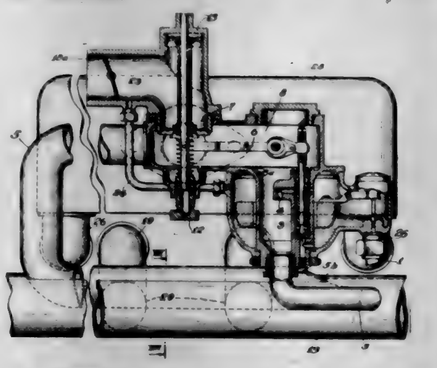
1,563,482. CARBURETOR. JOHN GOOD, Garden City, N. Y., assignor to Good Inventions Co., Brooklyn, N. Y., a Corporation of New York. Filed Dec. 2, 1916, Serial No. 134,784. Renewed Sept. 28, 1923. 16 Claims. (Cl. 123—122.)



1. A carbureting system for combustion engines, comprising means providing an air entrance space, exhaust gas-heated and unheated passages leading the air therefrom and together conducting the total air supply to the engine, a single engine throttle intercepting and controlling said total air supply, a constant level fuel receptacle having a discharge orifice operated by the engine suction thereon and delivering the fuel in substantially direct proportion to variation of the air flow occurring in said entrance space, and means associated with the unheated passage for promoting flow of the air through the heated passage, said heated passage being arranged for receiving and vaporizing liquid fuel in the presence of such air flow.

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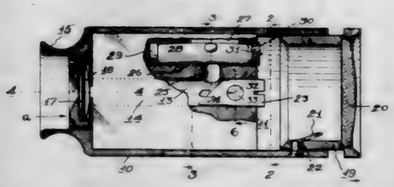
1,563,483. TELESCOPIC HAND LEVEL. ALBERT A. GROSSMANN, St. Paul, Minn. Filed Apr. 18, 1922. Serial No. 554,866. 5 Claims. (Cl. 88—2.2)



1. In an instrument of the class described, a barrel having a longitudinal wall therein dividing the same into two compartments, an eye-piece at one end of the barrel including a converging lens segment registering with one compartment, and a diverging lens segment registering with the other compartment, an adjustable object glass at the other end of the barrel, said diverging lens segment co-operating with said object glass to magnify distant objects through its respective compartment, a bubble tube carried by the barrel, a bubble reflector in the compartment registering with said converging lens segment, said reflector partially closing said compartment at the end opposite its respective lens segment, a leveling pointer traversing the space between said reflector and said longitudinal wall, the focal length of said converging lens segment being substantially equal to the distance of said pointer from said lens, also substantially equal to the distance of the bubble tube from the reflector plus the distance of the reflector from said lens.

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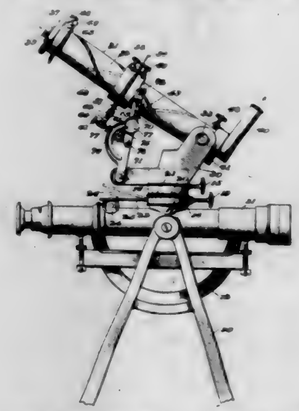
1,563,484. SOLAR ATTACHMENT FOR TRANSITS. JOHN MALCOLM GUNN, Laguna, N. Mex. Filed May 5, 1923. Serial No. 636,881. 13 Claims. (Cl. 33—61.)



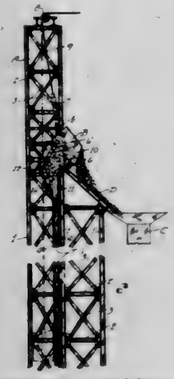
1. In a solar attachment for transits, a frame, a solar tube assembly swingably supported on said frame, said solar tube assembly including a tube containing an optical system adapted to construct and present to view

an image of the sun and brace rods connecting the solar tube assembly and the frame, said brace rods comprising links pivotally connected to each other.

1,563,485. DISPLAY DEVICE. LANDY R. HALES, New York, N. Y. Filed Sept. 29, 1924. Serial No. 740,576. 5 Claims. (Cl. 35—12.)

1. A rigid display device comprising a plurality of superimposed layers of substantially plane rigid material, lowermost layer comprising the full design and having a portion at least of one of its faces of greatest area exposed to view, and each succeeding layer also having a portion at least of one of its faces of greatest area exposed to view, the several layers each forming a constituent part of a relief design.

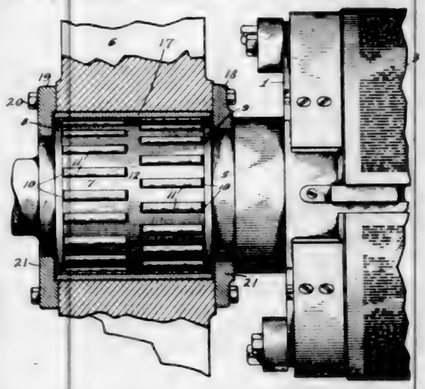
1,563,486. DUMPING HOIST. NORMAN L. HELY, Cape Girardeau, Mo. Filed Sept. 29, 1924. Serial No. 740,531. 17 Claims. (Cl. 214—120.)



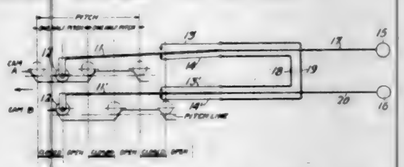
1. A dumping-apparatus comprising, in combination, a car, means for effecting travel of the car, and car trackways including shiftable members actuable by the traveling car for effecting a tilting thereof.

1,563,487. BEARING FOR ROTARY PRINTING COUPLES. FREDERICK HERB, Brooklyn, N. Y., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y., a Corporation of New York. Filed Sept. 19, 1923. Serial No. 663,685. 2 Claims. (Cl. 101—216.)

1. In a printing machine, the combination of a form cylinder and a blanketed impression cylinder running in impression contact, journals therefor, and bearings for the journals, the bearings for one of the cylinders including a plurality of rollers shorter than the bearing and proportioned and arranged so that on a given center line no roll is positioned at each side of the bearing so that a cylinder shaft may be adjusted out of axial alignment without binding in the bearing to compensate for varying pressures between the form and impression cylinders.

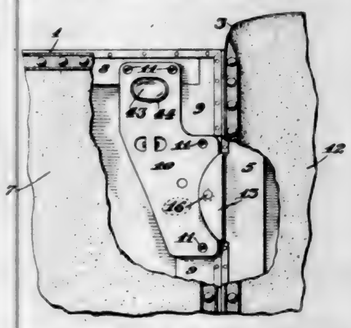


1,563,488. CIRCUIT INTERRUPTER. JOSEPH F. D. HOGE, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 17, 1921. Serial No. 515,821. 13 Claims. (Cl. 175—373.)



1. In a circuit interrupter, a plurality of sets of contacts, circuit connections between certain of said contacts, and means for operating said sets sequentially, a contact of one set being in series with a contact of another set, and a second contact of said first set being in series with a second contact of said second set.

1,563,489. DOORLOCK. OSCAR W. HOOPPAW and CHARLES A. RINEHART, St. Louis, Mo., assignors to Hooppaw Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 3, 1922. Serial No. 526,488. 8 Claims. (Cl. 292—220.)

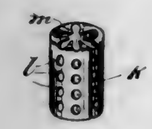


1. In combination with a door-frame pillar and a door arranged to swing in respect to said pillar, of a keeper on said pillar, including a cylindrical stud having



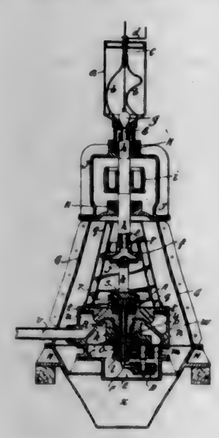
a tapered end portion, and a lock-body proper on said door, including a plate having a circular aperture to receive said stud with dowel-like effect, and a latch member on said lock-body plate, said keeper stud and said latch member being relatively arranged and adapted for releasable interlocking engagement.

1,563,490. SPRINKLER INSTALLATION. SPENCER HORTON, Birmingham, England. Filed Oct. 3, 1924. Serial No. 741,306. 2 Claims. (Cl. 210—170.)



1. In a sprinkler head or jet for use in automatic sprinkler installations, a strainer comprising a rectangular metal sheet perforated and provided with tongues along one edge, the sheet being bent into cylindrical form and the tongues bent inwardly to close partially one end of the cylinder so formed.

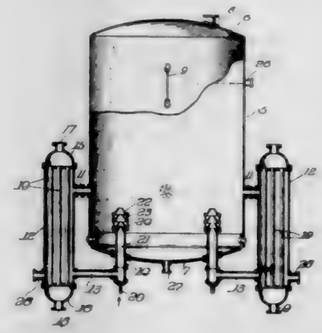
1,563,491. CENTRIFUGAL SEPARATOR. HENRY PATRICK HOYLE, Durham, England. Filed July 12, 1923. Serial No. 651,086. 14 Claims. (Cl. 233—7.)



1. A centrifugal separator comprising a centrifugal distributor, a feed for the centrifugal distributor central to the separator, a vertical rotating vessel mounted outside the centrifugal distributor, the mouth of the centrifugal distributor being located in the upper part of the rotating vessel, means for discharging the heavier portion of the charge from the top of the vessel and means for rotating the distributor and the vessel at different speeds.

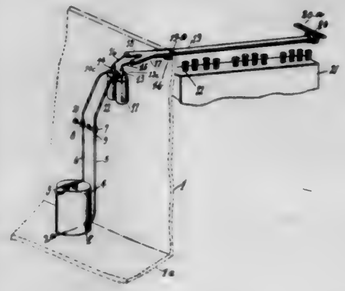
1,563,492. CONDENSER. EDWARD W. ISOM, Winnetka, Ill., and JOHN E. BELL, Brooklyn, N. Y., assignors to Sinclair Refining Company, Chicago, Ill., a Corporation of Maine. Filed May 19, 1921. Serial No. 470,790. 8 Claims. (Cl. 261—77.)

1. In an apparatus for condensing vapors, a closed tank adapted to contain the condensate thereof, a cooler, a pair of connections between the cooler and the tank to provide a closed circulation from the tank through



the cooler and back to the tank, means for injecting the vapors below the normal liquid level in said tank, and means for withdrawing condensate from the tank.

1,563,493. VALVE LUBRICATOR. SPEAR N. JANNES, Rock Island, Ill. Filed Aug. 18, 1923. Serial No. 658,108. 2 Claims. (Cl. 184—6.)

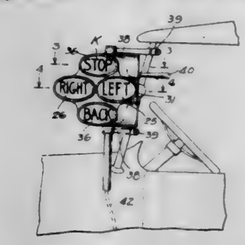


1. In a motor vehicle having an internal combustion engine therein provided with outwardly projecting valves, and a dashboard associated with said engine; a lubricator comprising an air pump, a plurality of containers on said dash board, a conduit having a valve therein connecting each container with said pump, an apertured distributor projecting through said dash board and extending in proximity to said engine valves, and branched means connecting said distributor and said containers, said system permitting the discharge through said distributor apertures against said engine valves of fluid from said containers selectively.

1,563,494. DIRECTION SIGNAL FOR MOTOR VEHICLES. ELIAS A. JENSEN, Santa Barbara, Calif. Filed Dec. 10, 1924. Serial No. 755,011. 1 Claim. (Cl. 177—329.)

A direction signal for motor vehicles comprising a triangular casing provided on each face with a plurality of openings having transparent legend bearing panels, the casing having partitions dividing the intermediate portion into a plurality of compartments, certain of the

panels being common to certain of the compartments and other partitions above and below the compartments providing a compartment above the first compartment and




a compartment below the first compartment and the casing being positioned with respect to the vehicle to render the legends visible at any angle.

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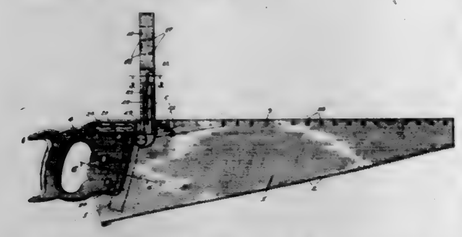
1,563,495. CARPENTER'S TOOL. LESTER N. JONES, Livingston, Calif. Filed Mar. 3, 1925. Serial No. 12,876. 8 Claims. (Cl. 7—13.)



3. A carpenter's tool comprising the combination with a handsaw having a straight edge along the back thereof, of an arm mounted upon the saw and movable to a position at right angles to the back to form a square, and an extension slidably mounted upon said arm for extending the length thereof when the same is in use as a square.

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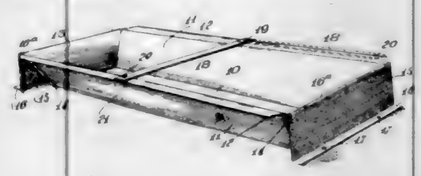
1,563,496. COMBINED MOP AND WRINGER. DUNCAN KEIR, Atlantic City, N. J. Filed June 14, 1924. Serial No. 720,096. 1 Claim. (Cl. 15—119.)

In a combined mop and wringer, a handle, a yoke pivotally mounted thereon, eccentrically pivoted bearing arms secured to the yoke and having longitudinally disposed slots therein, a roller mounted between the outer ends of said arms, a mop carried by and adapted to be wound upon the roller, means whereby the roller may be rotated, a pressure arm rigid with the handle and adapted to engage the mop when the latter is in use, bearing arms carried by the pressure arm, a shaft extending through the slots of the eccentrically pivoted arms and carried by the bearing arms, whereby the shaft will form a guide for the eccentrically pivoted arms and a squeezing roller mounted upon said shaft for engagement by the mop carrying roller when the yoke is moved pivotally.

1,563,497. FEED TROUGH. LOUIS KLOW, Chicago, Ill. Filed Mar. 1, 1924. Serial No. 696,254. 5 Claims. (Cl. 119—61.)



5. A sheet-metal trough comprising in combination a bottom, two side walls inclining upwardly and outwardly from the bottom, two end walls also upwardly and outwardly inclined from the bottom, the end walls being formed separately from the side walls and having their end margins connected with the end margins of the side walls by interlocking folds and a supporting member extending downwardly from the upper part of each end wall and spaced from such end wall

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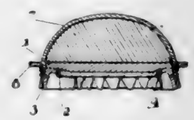
1,563,498. BOOT AND SHOE. PHILIP G. KNOLL, Port Colborne, Ontario, Canada. Filed Sept. 19, 1922. Serial No. 589,203. 1 Claim. (Cl. 12—145.)



In a process of manufacturing shoes, the steps which consists in forming an insole with the usual channel and with a lip extending round and close to its under edge and projecting well below the under surface of the insole; positioning the insole on a last; drawing an upper over the last with its edge against the lip and at the same time stapling the upper and lip together well below the under surface of the insole thus avoiding the use of temporary fastenings; sewing a Goodyear welt in place by stitching through the channel lip and edges of the upper above the staples; and then trimming off the upper and lip between the line of staples and the line of stitching close to the under suerface of the insole.

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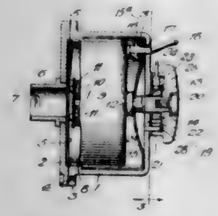
1,563,499. PROCESS OF PRODUCING TRUE GRADATION PRINTS FOR MAKING HALFTONE PRINTING PLATES. HUGO C. KNUDSEN, Brooklyn, N. Y., assignor to American Lithographic Company, New York, N. Y., a Corporation of New York. Filed Aug. 27, 1919. Serial No. 320,140. 6 Claims. (Cl. 95—5.6)

1. That improvement in the art of photography comprised in causing a beam of light to pass successively through a condenser, a lens, the openings in a halftone screen, and a design plate against a light sensitive surface in close contact with said design plate, whereby the design is photographically imprinted upon the light sensitive surface in true gradation corresponding with said design as modified by said screen.



1,563,500. LOUD-SPEAKING RECEIVER UNIT. HENRY KOCH, Jamaica, N. Y., assignor to Dictograph Products Corporation, a Corporation of Virginia. Filed Sept. 8, 1923. Serial No. 661,596. 10 Claims. (Cl. 179—115.)



1. A telephone receiver comprising a frame, a diaphragm mounted in said frame, an electromagnetic unit slidingly mounted in said frame for movement toward and from the diaphragm and adapted to actuate said diaphragm, a stud carried by the unit and passing through an aperture in the frame, a spring acting between the unit and frame for yieldingly pressing the unit in one direction toward or from the diaphragm, a nut on said stud acting against the frame to draw the unit in a direction against the action of the spring, whereby adjustment of the nut serves to adjust the unit toward or from the diaphragm and thereby vary its influence thereon, and an operating button rotatably mounted on said stud adjoining said nut, said nut and button having cooperating coupling means whereby they may in relatively different angular positions, be coupled together for rotation as an entity, said button and frame having cooperating indicating means for indicating the extent of relative rotary movement between them.

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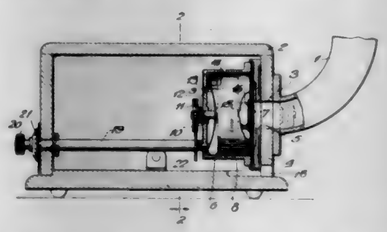
1,563,501. TELEPHONE RECEIVER. HENRY KOCH, Jamaica, and FRIEDRICH H. N. WOHLERS, Hempstead, N. Y., assignors to Dictograph Products Corporation, a Corporation of Virginia. Filed Jan. 8, 1924. Serial No. 684,952. 6 Claims. (Cl. 179—115.)



6. In a telephone receiver, a diaphragm, an electromagnetic actuating device for said diaphragm movable relative thereto for varying its influence thereon, means including a gear for producing such relative movement, a pinion meshing with and driving said gear, means by which the pinion may be rotated, and means whereby the operative connection between said last named means and the gear through the pinion may be broken to permit an initial setting to be given to the diaphragm and its actuating device.

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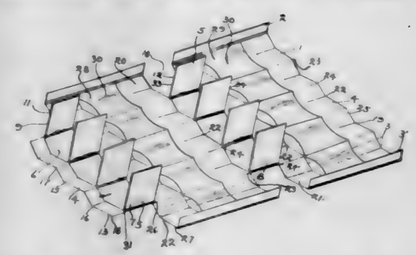
1,563,502. METHOD OF MANUFACTURING AUTOMOBILE RADIATORS. WILLIAM KORB, Cheviot, Ohio. Filed May 30, 1924. Serial No. 716,840. 5 Claims. (Cl. 113—116.)

1. A method of manufacturing a section of a radiator core comprising first forming a sheet of metal having a plurality of notches therein, a pair of grouped spaced apart alined perforations therein, a plurality of tongues integral with said sheet and one of said tongues extending outwardly therefrom adjacent each of said perforations, said sheet also having corrugations extending longitudinally thereof, then bending one end of said sheet in engagement with the outer edges of one group of said



tongues, then bending said sheet in engagement with the inner edges of said last group of said tongues, then bending said sheet in engagement with the inner edges of the other group of said tongues, then bending said sheet in engagement with the outer edges of said tongues in said last group.

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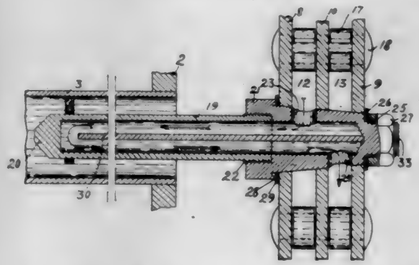
1,563,503. STEAM-BOILER INSTALLATION. TEODORO LARREY and LUIS GODARD, Mexico, Mexico. Filed May 1, 1924. Serial No. 710,435. 7 Claims. (Cl. 122—462.)



1. A superheating unit, comprising a tube closed at its inner end and having its outer end open and externally threaded; a flat division bar disposed axially within the tube and dividing the interior thereof into two compartments, said bar terminating at its inner end short of the closed end of the tube to permit communication at that end between said compartments, and projecting at its outer end through the open end of the tube; and a stopper mounted on the threaded end of the tube and having an axial bore which registers with the tube bore and which receives the projecting portion of the bar so as to provide extensions of the tube compartments, the free end of said projecting portion abutting against the end wall of the stopper bore to prevent communication between the compartment extensions; said stopper being formed with a pair of openings communicating directly with said extensions.

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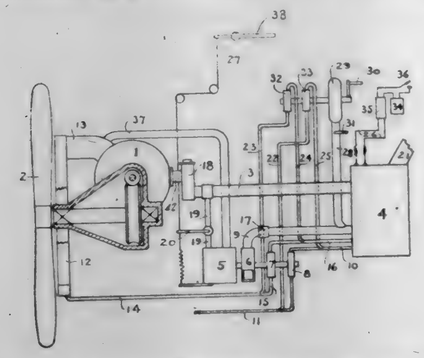
1,563,504. STEAM-POWER PLANT FOR AIRPLANES. WARD LEATHERS, Haworth, N. J. Filed Dec. 26, 1919. Serial No. 347,386. 3 Claims. (Cl. 60—106.)

1. In a steam power plant the combination of a steam boiler, a main steam engine, an auxiliary steam engine, an air pump, a boiler feed water pump, a fuel pump, said air, water and fuel pumps operably connected to said auxiliary engine, connections from said air, water and fuel pumps to said boiler, a connection from said boiler to said main engine, a pressure operated valve on said connection to said main engine, said valve adapted to pass steam when the steam pressure in said boiler ex-

ceeds a predetermined pressure, a connection from said boiler to said auxiliary engine, a throttle valve on said connection to said auxiliary engine said throttle adapted to control said main engine by controlling the speed of said auxiliary engine determining the amount of air, water



and fuel delivered to said boiler by said air, water and fuel pumps, an exhaust steam condenser, connections from said main engine and said auxiliary engine to said condenser and connection from said condenser to said water pump.

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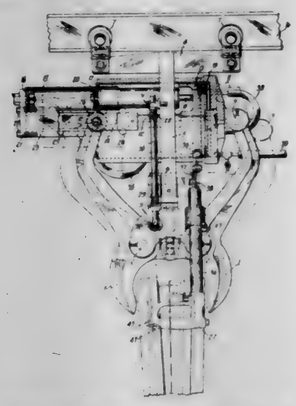
1,563,505. GRAPPLING DEVICE. HECTOR V. LOUGH, Hartford, Conn., assignor to The Hartford Rubber Works Company, Hartford, Conn., a Corporation of Connecticut. Filed May 29, 1923. Serial No. 642,270. 14 Claims. (Cl. 294—88.)



1. A grappling device having a pair of articulated levers, means for actuating the levers, a carriage movably supporting the levers and their operating means, and a pivotal connection between the levers and the carriage permitting the levers to be swung bodily in a plane transverse the plane in which they are separately actuatable.

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1,563,506. RECOVERY AND UTILIZATION OF MATERIALS OF OLD SECONDARY BATTERY PLATES. JOSEPH O. LUTHY, San Antonio, Tex., assignor to Luthy Research Laboratory, a Corporation of Texas. Filed Jan. 28, 1925. Serial No. 5,376. 13 Claims. (Cl. 136—20.)

1. The method of utilizing old lead secondary battery plate material which comprises separating the material from the grids or supports, pulverizing the separated material, and mixing the pulverized materials from positive and negative plates in such proportions that the same combined with an aqueous binder will set up into a relatively hard and self-supporting cementitious mass.

11. A lead battery plate comprising a grid and a filler composed of pulverulent recovered active material from old plates and an aqueous binding medium.

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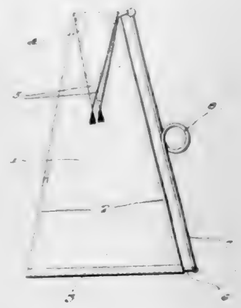
1,563,507. COMBINATION CAP. DAVID L. MANTLE, Stillwater, Okla. Filed May 22, 1922. Serial No. 562,800. 3 Claims. (Cl. 2—195.)



1. A novelty device, as herein described, comprising a pair of triangular shaped fabric sheets, connected along their edges for the major legth thereof, and staves between the sheets at the widened end thereof and at the terminal of the connected edges of said sheets, said staves being in a normally flat condition but bendable to provide ring-like members whereby the sheets may be retained in flat triangular shape or caused to assume a conical shape, and also wherein the pointed ends of the sheet beyond the staves may be bent over the body.

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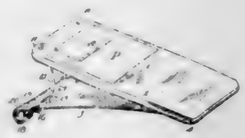
1,563,508. PAPER CLIP AND BOOKHOLDER. ARTHUR H. MAYNARD, Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me., a Corporation of Maine. Filed Nov. 28, 1924. Serial No. 752,561. 5 Claims. (Cl. 120—28.)



1. In a device of the type specified, the combination of a sheet-metal panel having a rolled edge, a sheet-metal spring-leg joined at one end to the panel with its edge held by the rolled edge thereof, and a brace extending between the leg and the panel.

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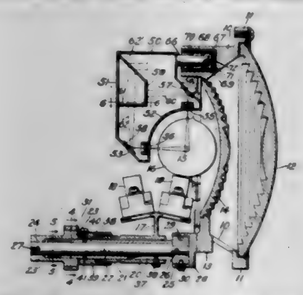
1,563,509. METHOD AND MEANS FOR LOCATING LAMPS. DANIEL J. MCCARTHY, Elgin, Ill., assignor to Chicago Railway Signal and Supply Company, a Corporation of Illinois. Filed Apr. 28, 1921. Serial No. 465,143. 2 Claims. (Cl. 88—14.)

1. The method of locating a lamp filament at an objective point which consists in illuminating the filament; projecting two beams of light therefrom at substantially



right angles to each other; reflecting both of the beams towards each other; providing a receptive surface, one for each beam upon which the respective beams impinge



and adjusting the lamp for position until said beams of light appear at predetermined objective points on two adjacent surfaces.

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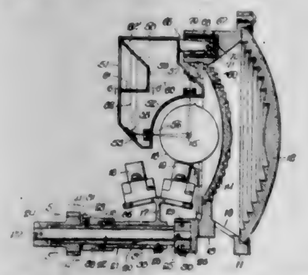
1,563,510. LAMP-LOCATING DEVICE. DANIEL J. MCCARTHY, Elgin, Ill., assignor to Chicago Railway Signal and Supply Company, a Corporation of Illinois. Original application filed Apr. 28, 1921, Serial No. 465,143. Divided and this application filed Jan. 16, 1922. Serial No. 529,433. 7 Claims. (Cl. 88—14.)



1. A lamp indicating means having a casing; a pair of lenses in the wall thereof having their focal axes at right angles and crossing outside the casing; reflecting surfaces in the casing located in the path of light passing thru each lens to direct the light to a receiving surface, two surfaces each to receive an impression of the filament of the lamp, both visible at the same time and means on the receiving surfaces to indicate when the filament of the lamp is located at the point where the axes of said lenses cross each other.

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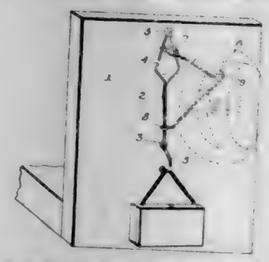
1,563,511. COLLAPSIBLE HAT HOLDER. HUGH F. MCDONALD, San Francisco, Calif. Filed Feb. 5, 1924. Serial No. 690,743. 1 Claim. (Cl. 45—13.)



A hat-hanging device comprising a vertical supporting member formed of twisted wire having a resilient dinmond-shaped member at its upper end, and a hook member having loops embracing said vertical member and diamond-shaped member and loosely secured thereto for swinging horizontal movement thereon, said diamond-shaped member being adapted to retain said hook member in position for use.

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1,563,512. TELEPHONE DIAPHRAGM. LESLIE R. MCDONALD, Westmount, Quebec, Canada. Filed Mar. 7, 1924. Serial No. 697,434. 2 Claims. (Cl. 179—115.)

1. An integral telephone diaphragm composed of a plurality of layers of metal, differing one from another in capacity for expansion and contraction under the influence of electricity.

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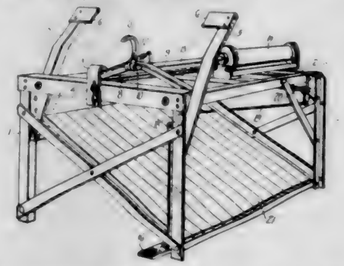
1,563,513. APPARATUS FOR REMOVING VULCANIZING BAGS. GEORGE K. MCNEILL, Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Feb. 23, 1924. Serial No. 694,519. 6 Claims. (Cl. 18—2.)



1. An apparatus for removing vulcanizing bags from casings comprising, in combination, means engageable with a bead portion of a casing at one side thereof, rests for the opposite side of the casing, and power operable means manually engageable with a bag within the casing for pulling the two apart.

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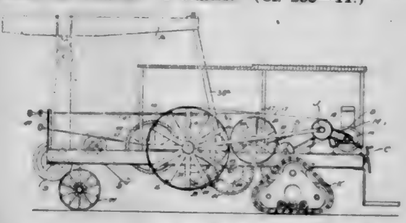
1,563,514. POWER-TRANSMISSION MECHANISM. JOHN W. MILLER, Pasadena, Calif. Filed Nov. 6, 1923. Serial No. 673,149. 4 Claims. (Cl. 255—11.)



2. A power transmission for drilling apparatus, comprising a driven shaft, a band wheel fixed thereto and about which a power-conveying belt is adapted to be trained, a bull wheel, a gear wheel fixed to the bull wheel,

a gear movable on the driven shaft to engage or disengage the gear wheel, a clutch for operatively connecting the gear to the driven shaft, an idler shaft, and an idler pinion constantly meshing with the gear and movable on the shaft to engage or disengage the gear wheel.

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1,563,515. PREPARATION OF CONCENTRATED UNALTERABLE FOODS. EUDO MONTI, Turin, Italy. Original application filed Oct. 3, 1916, Serial No. 123,563. Divided and this application filed May 6, 1922. Serial No. 559,079. 3 Claims. (Cl. 99—11.)

3. The process consisting in predigesting protein compounds in fruit extract, adding a substantially equal weight of flour which has been previously torrefied, together with the desired flavoring, sugar and baking powder, and drying the whole in an oven at a temperature not exceeding the boiling point of water.

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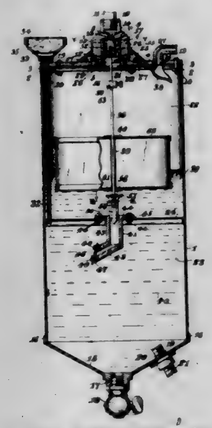
1,563,516. VACUUM TANK. ENRIQUE MÜLLER, Chihuahua, Mexico. Filed Jan. 10, 1924. Serial No. 685,388. 10 Claims. (Cl. 103—236.)



1. In a vacuum fuel feeding system for motor vehicles, means to provide a suction chamber adapted to communicate with a fuel supply, means to provide a fuel receiving chamber adapted to communicate with a carbureter, said suction chamber provided with a suction port and an inlet for atmospheric pressure, a shiftable suction controlling valve for said port, a gravity seating atmospheric pressure controlling valve for said inlet, a combined suction and float operated vertically movable rigid element extending lengthwise of the suction chamber for simultaneously seating the suction valve and unseating the atmospheric pressure controlling valve, means for supplying atmospheric pressure to the receiving chamber, said atmospheric pressure controlling valve provided with passages for establishing communication between said suction chamber and an engine when said suction controlling valve opens said port, and a fuel supply element leading from the suction chamber and depending into the receiving chamber and provided with a valvular element shifted to open position on the passage of fuel through said element and seated to closed position by atmospheric pressure supplied to the receiving chamber.

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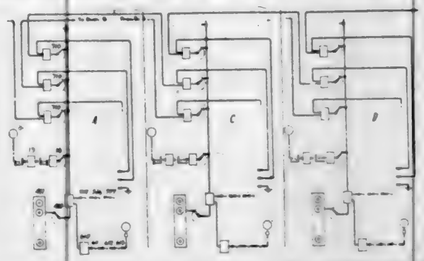
1,563,517. SIGNALING SYSTEM. PAUL B. MURPHY, Nyack, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 6, 1924. Serial No. 730,366. 27 Claims. (Cl. 179—27.)

1. In a telephone system, toll lines, a cord circuit including impulse transmitting means, means for selecting toll lines comprising a plurality of automatic switching equipments, a plurality of senders, means operative on the connection of the cord circuit to the toll line selecting means for selecting an idle switching equipment and for selecting and associating therewith an idle sender, means operative in response to impulses from the cord



circuit for storing said impulses on the sender and for actuating the switching equipment to select an idle toll line in a group corresponding to the digits represented by said impulses and means responsive to an impulse incoming over said selected toll line for operating the sender to transmit over said toll line impulses of a different character representing said digits.

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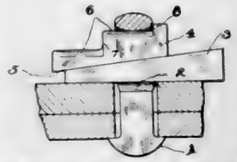
1,563,518. GIB. RODNEY W. NORTHEY, Toronto, Ontario, Canada, assignor to John P. Northey, trustee, Toronto, Canada. Filed Feb. 25, 1925. Serial No. 11,478. 7 Claims. (Cl. 85—7.)



1. A slotted bolt and wedge key in combination with a gib having a longitudinal key engaging edge inclined to the axis of the bolt and a plurality of seats opposite said edge, and at different distances therefrom, adapted to engage the end of the slot in the bolt.

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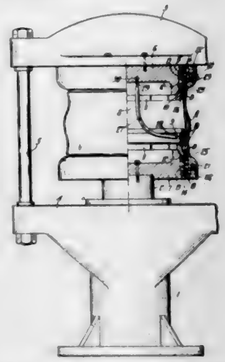
1,563,519. APPARATUS FOR MANUFACTURING TIRE CASINGS. ALBERT OTTO, Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Mar. 6, 1924. Serial No. 697,178. 9 Claims. (Cl. 154—10.)



1. An apparatus for shaping endless band structures into tire form comprising a bull ring for engaging the band after shaping, yielding supports for the edges of the band, means for pushing the band edges and for cooperating with the yielding supports for sealing the edges of the band to form a fluid-retaining chamber containing the ring the inner surface of the band constituting a wall of the chamber, means for applying the pressure of the fluid in the chamber to the band for distending it, and means for operating the yielding supports and pushing means for relatively moving the band edges and the supports toward each other and for further moving the edges relatively to their supports until they are engaged by the said bull ring.



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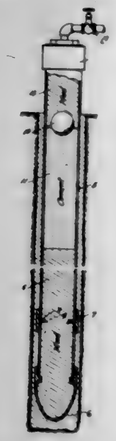
1,563,520. OIL-WELL CEMENTING. JACK M. OWEN, Long Beach, Calif. Filed Apr. 2, 1924. Serial No. 703,724. 11 Claims. (Cl. 166—21.)



7. A well casing and a freely movable float therein of a slightly lower specific gravity than that of cement grout commonly used for cementing oil wells.

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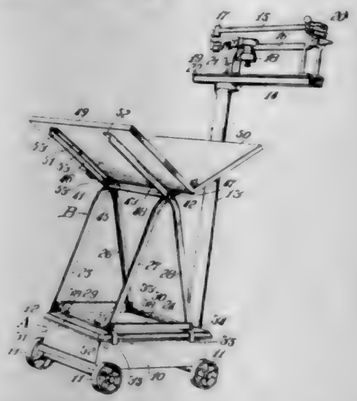
1,563,521. WEIGHING STAND. EDWARD PEARSON, Dalbo, Minn. Filed June 30, 1925. Serial No. 40,553. 4 Claims. (Cl. 265—27.)



1. A weighing stand for use upon the platform of a platform weighing scale, comprising lower frame members, shoes on the under side of certain of said members adapted to bear directly upon the scale platform, upright frame members secured at their lower ends to said lower frame members and terminating at their upper ends in pairs of upwardly diverging arms, and a scoop having an open end and plane sides meeting at an angle corresponding to that of said pairs of arms and adapted to fit and rest in said arms when in weighing position.

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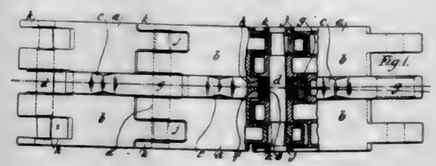
1,563,522. ENDLESS TRACK FOR VEHICLES. OSCAR STYLES PENN, London, England, assignor to Roadless Traction Limited, Hounslow, England. Filed Mar. 6, 1925. Serial No. 13,611. 7 Claims. (Cl. 74—32.)



1. A link joint comprising a pin connecting together the adjacent link ends, each link having a central lug on one end, a spherical seating in the lug, a spherical member supported by the pin and adapted to turn in the seating, two other lugs on the same end, two lugs on the other end intermediate the lugs on the first mentioned end, and holes adapted to receive the pin in all the lugs, the diameters of the holes in the first mentioned two lugs being greater than the diameters of the parts of the pin passing through them.

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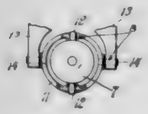
1,563,523. DEVICE FOR CASTING IRON AND OTHER DIFFICULTLY-FUSIBLE METALS UNDER PRESSURE. ERNST PETERSSON, Orebro, Sweden. Filed Sept. 11, 1924. Serial No. 737,196. 2 Claims. (Cl. 22—76.)



1. In a device for casting iron and other difficultly fusible metals by forcing the molten metal into the mold by vacuum, the combination of a furnace, a crucible located in said furnace, a pipe extending into the metal bath in the crucible and consisting of an incombustible material, and having a nozzle adapted to be pressed, at the casting instant, against the mold, said nozzle having a plane surface at the side to be pressed against the mold, and a self-adjusting suspension device carrying said nozzle and its pipe and permitting the said plane surface of the nozzle, when pressed against the nozzle, to automatically adjust itself in alignment with the inlet side of the mold, so as to perform an air-tight connection between the nozzle and the mold.

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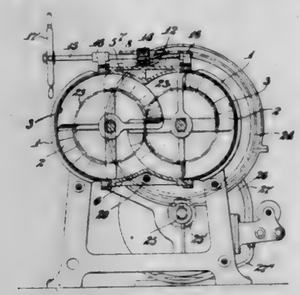
1,563,524. MACHINE FOR MIXING. WILLIAM EDWARD PRESCOTT, Harrow, England. Filed Dec. 27, 1923. Serial No. 683,050. 7 Claims. (Cl. 259—6.)

1. A mixing machine comprising a pair of mixing blades rotatable about spaced axes said blades being of such dimensions as compared to the spacing of said axes that upon rotation the paths of said blades intersect in a zone between said axes, a mixing chamber having an opening through which material may be intro-

duced into said zone, said chamber being defined by end and circumferential walls approximating to the non-intersecting paths of said blades, except where the con-



tinuity of the wall is interrupted by said opening, and a cover removably mounted in said opening and having an inner surface completing the continuity of the chamber walls.

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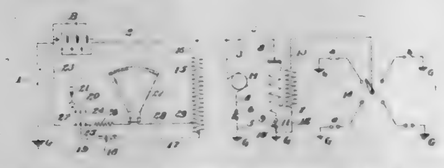
1,563,525. ELECTRICAL SYSTEM FOR MOTOR VEHICLES. DAVID R. PRICE, Newtonville, Mass., assignor of one-half to Curtis Delano, Newtonville, Mass. Filed July 15, 1919. Serial No. 311,043. 4 Claims. (Cl. 175—183.)



1. In an electrical system, the combination of a storage battery, a working circuit in series with said storage battery, a branch circuit in parallal with said circuit including said storage battery in one branch thereof, a source of standard potential in the other branch of said branched circuit, an indicator, means for connecting said indicator into said branched circuit, and resistance means whose resistance is fixed in value and divided between the branches of said branched circuit, the divided portions of said resistance means having such resistance that when the storage battery is discharged the indicator deflection is zero and when the battery is fully or partly charged the deflection registers the amount of said charge.

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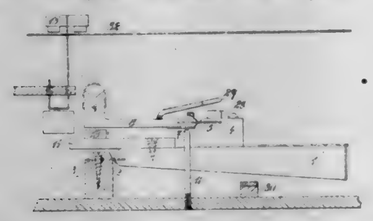
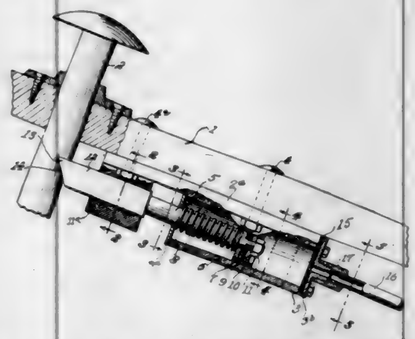
1,563,526. PIANO ACTION OR MOVEMENT. ANTON PÜRRER, Klosterneuburg, Austria. Filed Nov. 11, 1924. Serial No. 749,130. 3 Claims. (Cl. 84—237.)



3. A piano action comprising a key-lever fulcrumed at its rear end, a hammer-shaft flexibly jointed thereto, and a guide member adjacent the key-lever to prevent lateral motion of the latter and having a portion overlying the lever designed to be encountered as a fulcrum by the hammer shaft when the key-lever is depressed.

1,563,527. AUTOMATIC SAFETY DEVICE FOR MOTOR-VEHICLE STARTERS. ROBERT E. ROSS, El Paso, Tex. Filed Feb. 16, 1925. Serial No. 9,623. 1 Claim. (Cl. 74—7.)



A locking device of the character described comprising a base plate adapted to be secured beneath the floor board of a motor vehicle, a cylinder formed with one end thereof, a piston slidably mounted in said cylinder, a rod for said piston and extending from one end of said cylinder, a coil spring for normally holding said piston in one position, a guide block formed with and arranged at the opposite end of said base plate, a squared portion of said piston rod slidably mounted within said guide block, a pawl formed on the end thereof, adapted to engage a coacting notch formed in the shaft of the starter pedal, and a tube communicating with one end of said cylinder whereby the oil pressure of an engine lubricating system may enter said cylinder.

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1,563,528. KNEE OR FOOT REST FOR SHOVELS AND THE LIKE. SALVADOR RUBIO, Los Angeles, Calif. Filed Apr. 28, 1924. Serial No. 709,625. 9 Claims. (Cl. 294—60.)

2. A knee or foot rest for earth working implements comprising an element adapted to be engaged by the knee or foot, and means for securing the element in fixed position upon and at any point along the length of the handle of an earth working implement, said means including flexible members adapted to embrace the handle.

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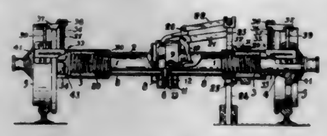
1,563,529. FLEXIBLE CORE FOR MOLDING. HENRY S. SATTERLEE, New York, N. Y. Filed July 17, 1924. Serial No. 726,502. 8 Claims. (Cl. 18—45.)

1. A flexible core having a curved body, a traction member therein and a plurality of transverse elements disposed along and fixed to said traction member.



1,563,530. DEVICE FOR OVERCOMING THE BREAK-OF-GAUGE DIFFICULTY IN RAILWAYS. JOHN HENRY SAUNDERS, Kilkenny, South Australia, Australia. Filed Dec. 27, 1923. Serial No. 682,876. 16 Claims. (Cl. 104—33.)



1. In break of gauge mechanism of the character described, in combination, an axle, wheels splined thereon, means for moving the wheels in axially opposite directions, and means for normally holding said first named means in inoperative position and for simultaneously releasing said first named means and locking it in operative position.

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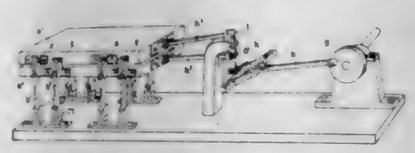
1,563,531. METHOD OF AND MEANS FOR BALANCING AND COUPLING FREELY-OSCILLATING UNITS AND UNITS WITH RESTRAINED OSCILLATIONS. GEORG HEINRICH SCHIEFERSTEIN, Berlin-Charlottenburg, Germany. Filed Nov. 13, 1924. Serial No. 749,722. 8 Claims. (Cl. 74—14.)



1. In a device of the character described, in combination, one oscillating unit, a pair of naturally oscillating units, a positive, operative reversing connection between said pair of naturally oscillating units, and a yieldable coupling between said one oscillating unit and said connection.

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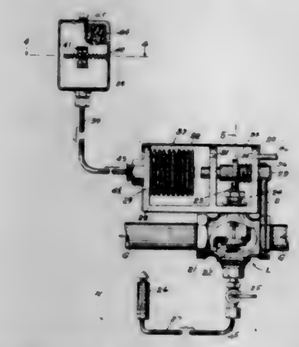
1,563,532. HEATER CONTROL. RICHARD H. SHADRICK, Minneapolis, Minn. Filed Aug. 26, 1924. Serial No. 734,180. 8 Claims. (Cl. 126—35.)



1. The combination with a hot water heating system having a gas burner, of a normally closed gas valve, a manually actuable device including a cam co-operating with the valve for opening the same, and thermally responsive means associated with said device to disengage the cam from the valve when the latter is in an open position.

1,563,533. SHORE. FRANK F. SINKS, Seattle, Wash. Filed Oct. 20, 1924. Serial No. 744,641. 6 Claims. (Cl. 254—100.)

4. A shore of the character described, comprising a standard, a cap secured thereto, said cap being provided with a screw threaded aperture, an extension having a channel to receive said standard for relative longitudinal movement, pairs of complementary sockets provided in the extension at opposite sides of its channel, said pairs of sockets being disposed in spaced relation longitudinally of the extension, a screw engaging the threads of the cap aperture, a carrier mounted upon the screw and having a slidable connection with the extension, and laterally movable pins provided in the carrier and engageable with the pairs of sockets selectively for coupling the carrier to said extension at a predetermined elevation.

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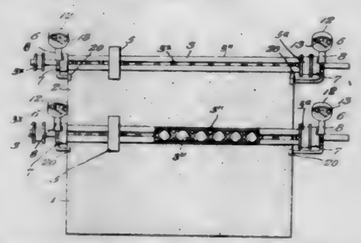
1,563,534. INDICATOR. DE WALT W. SMITH, Louisville, Ky., assignor of one-half to Neal V. Trautman, Louisville, Ky. Filed May 17, 1920. Serial No. 382,047. 2 Claims. (Cl. 33—172.)



1. A displacement indicator for the grinding mechanism of carding machines comprising a cap at each end of the grinding means, said cap rotatably receiving such grinding means, a guiding member carried by said cap and movable transversely of the axis of said cap, a dial supported by said guiding member, a finger associated with the dial, a rod slidably supported by said guiding member, an arm at the lower end of said rod for engaging the carding cylinder and means for communicating the movement of the rod to the finger.

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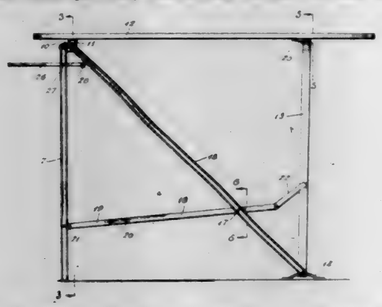
1,563,535. IRONING BOARD. ABRAHAM SONDACK, Bronx, N. Y. Filed Feb. 21, 1925. Serial No. 10,818. 2 Claims. (Cl. 68—10.)

1. In a support for ironing boards, a standard, a board pivoted at one end to said standard, a second standard upon the upper end of which said board is capable of resting, diagonal bracing members connecting

said standards, an intermediate brace pivotally connected intermediate its ends to said bracing members, an end brace pivotally connecting one end of said inter-



mediate brace with the first named standard, and a second end brace pivotally connected to the other end of said intermediate brace and to said second standard.

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1,563,536. PROCESS FOR PRODUCING ARTIFICIAL CRYOLITE FREE FROM IRON, FROM ALUMINUM-SALT SOLUTIONS CONTAINING IRON. HEINRICH SPECKETER, Griesheim-on-the-Main, Germany, assignor to Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed Jan. 10, 1925. Serial No. 1,706. 5 Claims. (Cl. 23—88.)

1. A process of producing artificial cryolite free from iron from aluminum salt solutions containing iron, which process comprises adding to the said solutions while stirring 9 molecules of hydrofluoric acid at most and 3 molecules of alkali metal chloride at least to one molecule of aluminum oxide and treating in the presence of water the precipitate thus obtained with alkali metal fluoride.

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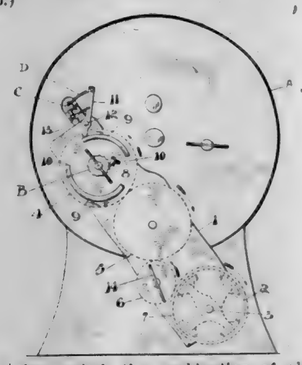
1,563,537. TIME SWITCH. JOHN GORDON STEISS, Kitchener, Ontario, Canada. Filed Jan. 8, 1923, Serial No. 611,505. Renewed Oct. 15, 1925. 2 Claims. (Cl. 200—38.)



1. In a time switch the combination of alarm clock mechanism including a vibratile rock arm and a winding arbor which rotates when the alarm train is in motion; a rotary switch; a gear train adapted to rotate the switch and including a gear wheel concentric with said winding arbor; a pawl and ratchet connection between the said gear wheel and the arbor permitting the arbor to be rotated to wind the alarm train; a pivoted detent; means tending to move the detent to prevent the operation of the rock arm; and means rotating with the gear wheel aforesaid adapted to hold the detent in inoperative position a sufficient length of time after the alarm mechanism has been tripped to enable the gear to actuate the switch.

1,563,538. HOOK AND EYE. MARY A. STREHLEIN, Chicago, Ill. Filed Oct. 20, 1924. Serial No. 744,800. 3 Claims. (Cl. 24—228.)

1. In a hook arranged to co-act with an eye, a wire member, the wire of said member bent to obtain parallel elements in a substantially horizontal plane, additional parallel elements in a substantially vertical plane, additional elements in a substantially horizontal plane and at substantially right angles to the first and second named parallel elements, and curved elements, in combination with a disk provided with a peripheral bead arranged to cover the curved elements of the wire member, to rigidly join said wire and disk member all arranged so that said wire member is on and wholly within the periphery of said base.

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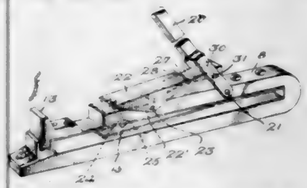
1,563,539. SAW SET. WILLIAM L. TAYLOR, Black Oak, Ark. Filed Dec. 1, 1924. Serial No. 753,268. 2 Claims. (Cl. 76—70.)



1. A saw set comprising a base having an anvil surface at one end, a saw setting element arranged above the base and adapted to be engaged by an implement, a resilient arm arranged above the base, a lever pivoted above the base, a vertically movable element adapted to engage the resilient element to hold the same into contact with the saw, a plate pivotally mounted above the base and manually operable longitudinally movable inclined block adapted to engage the plate and move the same into engagement with the pin to move the same downwardly against the resilient arm.

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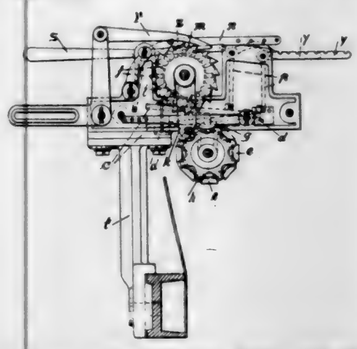
1,563,540. CARD-SAVING DEVICE FOR DOBBY LOOMS. FRANTIŠEK VOLECH, Vrchlabi, Czechoslovakia. Filed Oct. 31, 1924. Serial No. 747,069. 3 Claims. (Cl. 139—171.)



1. In a card saving device for dobby looms, the combination with a pattern cylinder and a change-box mechanism, of a plurality of push bars arranged so as to be selected and positioned by said cylinder, a roller having



a helical row of lugs arranged so as to operate selected push bars in succession when the roller is rotated, and means for transmitting the motion of said bars to the change-box mechanism.

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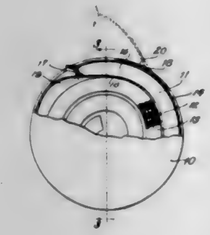
1,563,541. SMOKER'S ARTICLE. CYRUS M. ADLER, Chicago, Ill. Filed Sept. 26, 1923. Serial No. 664,837. 2 Claims. (Cl. 206—41.)



1. A smoker's article comprising a cylindrical casing, a spiral passage therein and terminating near the peripheral wall thereof, a knife hinged to said peripheral wall and adapted to close said passage, and a spring normally holding said knife in position to close said passage.

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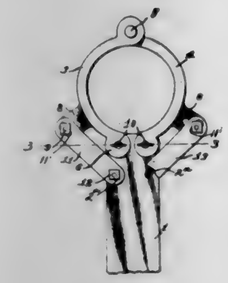
1,563,542. PIPE TONGS. JOHN W. A. ANDRAE, Point Arena, Calif. Filed May 8, 1922. Serial No. 559,379. 4 Claims. (Cl. 81—66.)



1. Pipe tongs comprising a pair of jaws to embrace a pipe, a pin pivotally connecting the jaws at one end, a lever having a link connection with said jaws at points spaced from the free ends thereof, and cooperating means carried by said lever and jaw ends adapted to interengage and to be shifted to change the direction of pull of the lever.

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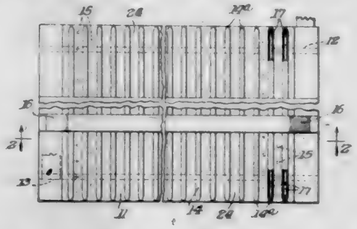
1,563,543. RADIATOR. EDWARD F. ANDREWS, Chicago, Ill. Filed Oct. 9, 1918. Serial No. 257,445. 3 Claims. (Cl. 244—31.)

1. A radiator comprising a thin sheet of flat material bent back upon itself at its end to provide a header, and a second sheet of material secured to said first-named sheet and being folded or corrugated to provide a series of fluid passages adjacent said first-named sheet, said



first-named sheet being provided with apertures which form communications between said header and said passages.

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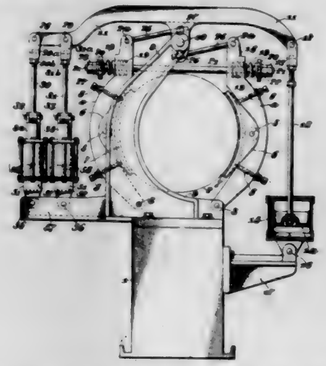
1,563,544. BRAKE MECHANISM AND MAGNET SYSTEM THEREFOR. WILLARD S. ATKINSON, Ashland, N. J., assignor to Atlantic Elevator Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 14, 1923. Serial No. 680,610. 9 Claims. (Cl. 188—171.)



1. The combination with an elevator brake mechanism comprising a brake drum, braking means co-acting therewith, and a control lever, of a plurality of single phase electro-magnets whose magnetic-circuits are substantially independent and each comprising relatively movable core elements and a winding, means for connecting the windings of the different magnets with different conductors of a polyphase circuit, whereby the currents traversing said windings are dephased with respect to each other, and means for connecting the movable core elements of the different magnets with said control lever.

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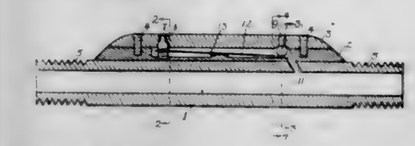
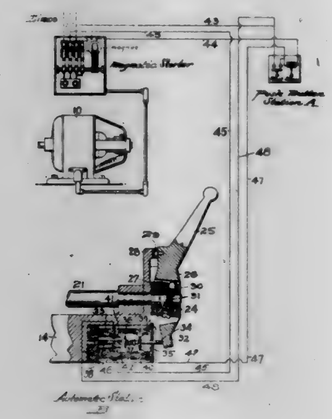
1,563,545. ADJUSTABLE AUTOMATIC PRESSURE-RELIEF VALVE. ORRIN C. BLAKESLEE, Compton, Calif. Filed Apr. 29, 1924. Serial No. 709,773. 14 Claims. (Cl. 251—121.)



6. In an oil or other well, a series of sections adapted to form the pipe line or tubing of said well, and means mounted on one of said sections whereby the gas pressure accumulating in said well may be relieved, substantially as described.

**1,563,546. ELECTRIC-MOTOR-DRIVEN CHANGE-SPEED DEVICE.** CONSTANT BOUILLON, Torrington, Conn., assignor to The Hendey Machine Company, Torrington, Conn., a Corporation of Connecticut. Filed Mar. 1, 1922. Serial No. 540,342. 4 Claims. (Cl. 172—239.)



1. A change speed device, operating connections therefor, an electric motor for driving the change speed device, a magnetic starter and push button station for controlling the motor, and an electric switch connected in circuit with said push button station and arranged so that when said connections are operated to change speed the switch will be operated to cut the motor out of operation and so that when the change is effected the motor again will be thrown into operation.

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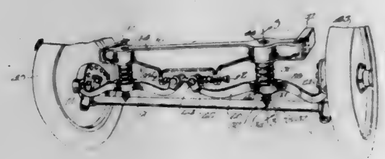
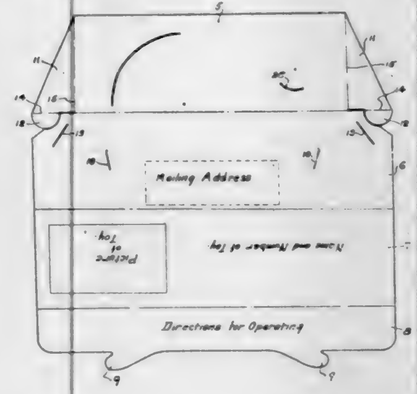
**1,563,547. SPRING SUSPENSION FOR VEHICLES.** RANSOM Y. BOVEE, Maywood, Ill., assignor to Bovee Transmission Corporation, Chicago, Ill., a Corporation of Illinois. Filed Oct. 22, 1924. Serial No. 745,175. 24 Claims. (Cl. 267—20.)



1. In a spring suspension for vehicles, a load supporting member, opposed load supporting arms therebelow, means pivotally connecting one end of the arms to the said member, means pivotally connecting the other ends of the arm to the vehicle running gear, and elastic means interposed between the arms and the said member to cushion their relative movements, the first recited means embodying means to permit longitudinal movement of the said member and the ends of the arms one with relation to the other.

**1,563,548. ANIMATED TOY.** WALTER BRASHEAR, Jr., Castleton, N. Y., assignor to Fort Orange Paper Company, Castleton-on-Hudson, N. Y., a Corporation of New York. Filed May 19, 1924. Serial No. 714,370. 4 Claims. (Cl. 46—37.)




1. A blank for animated toys comprising a sheet subdivided into a base portion animated figures mounted on said base portion, and portions foldable to enclose the base portion, said latter portions having means for maintaining the blank in folded condition.

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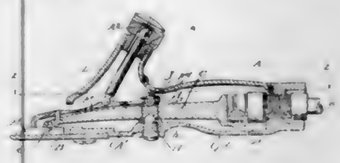
**1,563,549. SHEEP SHEAR.** FRANCISS GEORGE WILLIAM BRISTROW, Sydney, Australia, assignor to Chicago Flexible Shaft Company, Chicago, Ill., a Corporation of Illinois. Filed June 4, 1923. Serial No. 643,156. 8 Claims. (Cl. 30—1.)



1. In a sheep shear and the like, in combination with a rigid comb-carrying frame structure and a comb carried thereby, a vibrating cutter; a cutter-actuating lever having a fixed fulcrum on the frame structure and engaging the cutter for vibrating the latter; a pressure member for holding the cutter to the comb, engaged at one end with the cutter independently of the cutter-actuating lever, and at the other end pivoted to the frame structure independently of said cutter-actuating lever; and a thrust member for applying pressure to the pressure member, stopped in one direction on the pressure member and in the opposite direction on the frame and in both said stoppages, being independent of the cutter-actuating lever; whereby the pressure for holding the cutter to the comb is transmitted to the cutter independently of the cutter-actuating lever.

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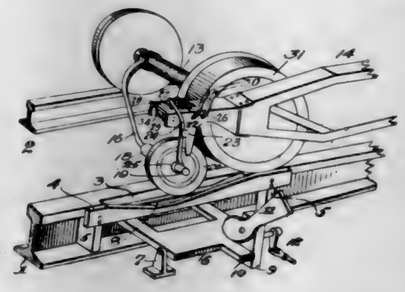
**1,563,550. AUTOMATIC TRAIN-STOPPING APPARATUS.** EARL D. BROWN, Riverbank, Calif. Filed Sept. 4, 1924. Serial No. 735,881. 5 Claims. (Cl. 246—190.)

2. In an apparatus of the class described, the combination with a rail provided with a cutaway portion in its head, of blocks against said rail at the ends of said cutaway portion, a plate bridging said cutaway portion and fastened at its ends to said blocks, brackets near said rail, a lever frame pivotally mounted on said brackets and having its inner end extending under said plate and cutaway portion, a block in said cutaway portion



and fastened to said inner end of said lever frame, a cam at the outer end of said lever frame for holding it in set positions, and a signal actuating wheel adapted to pass over said block.

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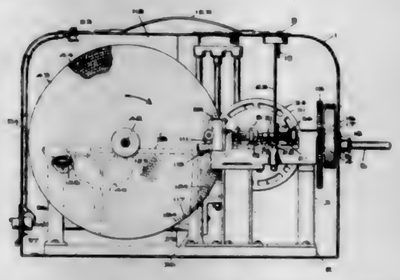
**1,563,551. DISK-RECORD APPARATUS.** FRANCIS J. PULASK, Toledo, Ohio, assignor to The Pictures Development Co., Toledo, Ohio, a Corporation of Ohio. Filed May 3, 1920. Serial No. 378,528. 16 Claims. (Cl. 88—18.8.)



1. A motion picture apparatus comprising a disk record, a control disk for the record provided with seat means, and a device manually shiftable into and out of registry with the seat means for fixing an angular position for the control disk and record.

16. A motion picture apparatus comprising a housing provided with a way for a light line, rotary shutter means for intermittently intercepting said light line, disk film actuating mechanism including a master disk coaxial with a film, said disk provided with a spiral series of seats inwardly terminating in an elongated seat, and driving means for rotating the shutter and intermittently actuating the master disk, said driving means including a guide extending perpendicularly to the disk, and a pin in said guide coacting with said seats until riding into said elongated seat to there locate a period of rest for the master disk and a film in a light line intercepted position of the shutter.

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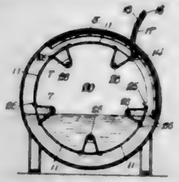
**1,563,552. WASHING MACHINE.** OTTO BUTZBACH, Chicago, Ill., assignor to The Invincible Blow Pipe Company, a Corporation of Illinois. Filed July 3, 1923. Serial No. 649,233. 1 Claim. (Cl. 68—18.)

A cylindrical receptacle for a washing machine comprising a pair of flanged heads, a plurality of partitions in spaced relation with said heads for dividing the receptacle into a plurality of compartments, said partitions having V-shaped notches in its periphery, perforated slotted V-shaped baffle members extending between



said heads and resting in the notches of said partitions, said partitions extending into said slots, and tie rods passing through said baffle members and partitions.

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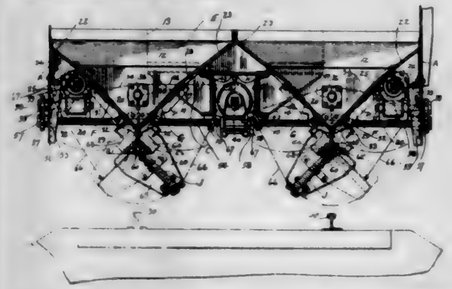
**1,563,553. HOPPER CAR AND THE LIKE.** ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed May 14, 1924. Serial No. 713,132. 18 Claims. (Cl. 105—251.)



1. In a car of the character described, the combination with a car body having longitudinally arranged sets of hoppers on each side of the center sill; of hinged center dumping doors for said hoppers, said doors being hinged on longitudinally extending axes and being movable towards each other in an opening direction to discharge the load between the rails; a longitudinally extending common operating shaft for said doors and located therebetween; flexible connections between the shaft and the respective doors; and means for reversing the direction of the pull between the shaft and the doors to close the doors.

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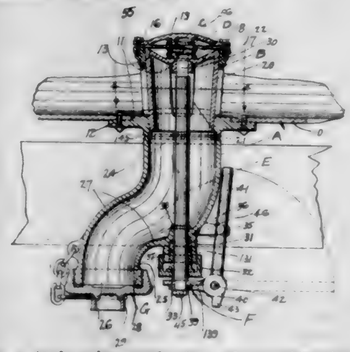
**1,563,554. TANK-VALVE MECHANISM.** ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 12, 1924. Serial No. 737,844. 10 Claims. (Cl. 137—21.)



1. In a tank valve mechanism, the combination with a hollow chamber member having a rotatable valve disposed therein, an operating element passing through the

chamber and adapted to have rotary movement in unison with the valve, said element being also bodily movable from the exterior of the chamber to induce a movement of the valve in a plane at an angle to its plane of rotation, said valve being maintained in operative position independenetly of said operating element.

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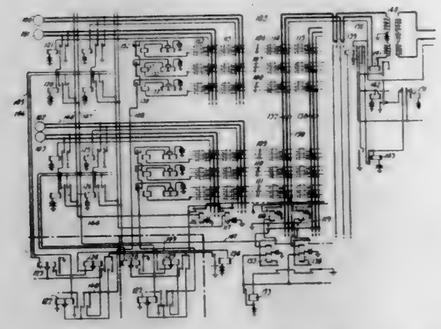
1,563,555. ELECTRICAL SWITCHING MECHANISM. EDGAR H. CLARK, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 3, 1923. Serial No. 655,385. 9 Claims. (Cl. 179—18.)



1. The combination in a switching device of a plurality of operating magnets coacting jointly to effect a connection, means for closing circuits for each of said magnets without operating the same, and means for thereupon altering said circuits to permit said magnets to operate.

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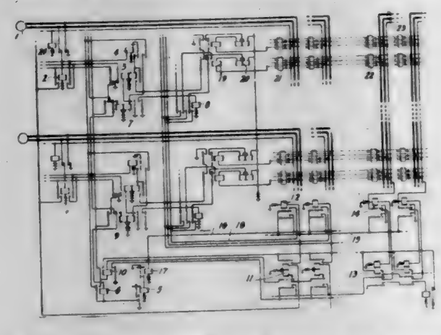
1,563,556. TELEPHONE SYSTEM. EDGAR H. CLARK, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 663,333. 5 Claims. (Cl. 179—18.)



1. In a telephone system, line magnets, link magnets, trunk magnets, a circuit for said link magnets controlled by said other magnets, and time controlling means for limiting the closing period of said circuit to a definite interval.

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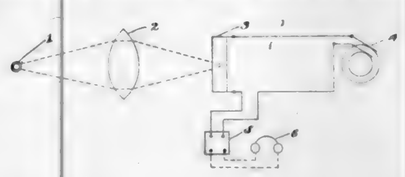
1,563,557. OPTICAL MEANS FOR RECTIFYING ALTERNATING CURRENTS. WILLIAM W. COBLENTZ, Washington, D. C. Filed Sept. 18, 1923. Serial No. 663,412. 5 Claims. (Cl. 250—1.)

3. Means for signalling by rectifying alternating currents comprising a light reactive resistance, having substantially the properties of light reactive molybdenite, interposed in an alternating current circuit, and means for



exposing said resistance to thermal radiant energy having substantially the properties of sun-light, the exposure being in accordance with the signal to be transmitted.

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1,563,558. OILING SYSTEM. WILLIAM COBURN, Seattle, Wash. Filed Nov. 2, 1922. Serial No. 598,495. 7 Claims. (Cl. 184—11.)

1. A lubricating attachment for automobile engines having rotating oil-carrying members enclosed within a casing, comprising an oil receiver entering said casing, a conduit leading from said receiver to a lower portion of the engine, a standpipe connected into said conduit, a valve at the foot of said standpipe controlling the rate of flow of oil through the conduit, a stem therefor extending through the upper end of the standpipe, and gravity-controlled means for regulating the closing or opening of said valve in accordance with the inclination of the automobile.

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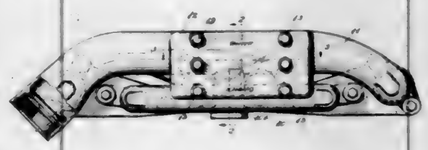
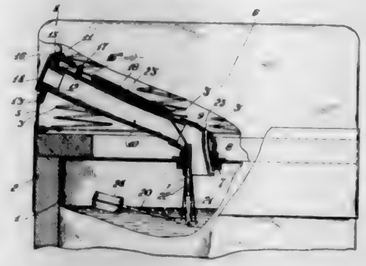
1,563,559. INTAKE-MANIFOLD HEATER. WALTER A. FREDERICK, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a Corporation of Virginia. Filed Mar. 16, 1922. Serial No. 544,081. 4 Claims. (Cl. 257—241.)



1. The combination of an intake manifold, an exhaust manifold, a member, said member being adjustably mounted on and engaging both manifolds in the different positions of adjustment of said member, and devices for securing said member in engagement with said manifolds in two relations, said member being hollow and having an opening through one wall opposite said exhaust manifold and said exhaust manifold having an opening therethrough in alignment with said opening in said member for one relation of said member to said manifolds, said opening in said exhaust manifold being closed by said member when secured to said manifolds in its other relation thereto.



1,563,560. MEANS FOR FILLING GASOLINE TANKS. WILLIAM FRIEDHOFF, Chicago, Ill. Continuation of application Serial No. 708,387, filed Apr. 23, 1924. This application filed Aug. 20, 1924. Serial No. 733,227. 3 Claims. (Cl. 220—86.)



1. Means for the purpose specified including a spring cushion open at the bottom and having flexible fabric walls surrounding the springs thereof, there being free spaces between said springs, a filler-tube for a tank disposed beneath said cushion projecting through and secured to one of said fabric walls of said cushion, and co-operative means for detachably associating the tube with respect to the tank to thereby permit the cushion and tube to be removed without detaching said tube from said cushion, said last-named means permitting rotation of the tube relatively to said tank for permitting said tube to be attached to any desired vertical wall of said cushion.

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1,563,561. FLUID BRAKE. JOSEPH GASSER, Trenton, N. J.; Theresa Gasser, administratrix of said Joseph Gasser, deceased, assignor to New Jersey Twin Hoist Company, Trenton, N. J. Filed Sept. 19, 1921. Serial No. 501,536. 1 Claim. (Cl. 188—91.)



In a brake mechanism, the combination with an axle, an eccentric mounted thereon, a casing surrounding said eccentric and enclosing it, said casing having an extension forming a valve chamber, a partition extending into said valve chamber, and provided with a pocket therein, a piston operable by said eccentric and movable in said pocket, and a valve associated with said valve chamber.

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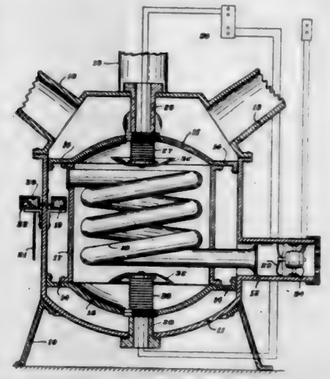
1,563,562. ELECTRIC HEATER. JOSEPH GASSER, Trenton, N. J.; Theresa Gasser, administratrix of said Joseph Gasser, deceased, assignor to New Jersey Twin Hoist Company, Trenton, N. J. Filed Mar. 30, 1923. Serial No. 628,863. 3 Claims. (Cl. 219—39.)

1. In a device of the class described, the combination of an outer shell, a plurality of reflectors supported therein and forming a heating chamber suspended in said outer shell, a coil of tubing in said heating chamber and communicating with the space between said chamber and outer shell at one end and with the atmosphere at



the other end, means for forcing a draft through said tubing, and an electrical heating means supported in said heating chamber.

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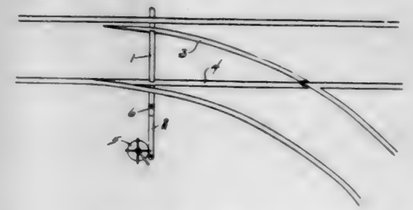
1,563,563. JOINTED SWITCH-THROWING BAR. HERMAN H. GERDES and THOMAS L. HENSLEY, Alvarado, Tex. Filed Feb. 17, 1925. Serial No. 9,771. 4 Claims. (Cl. 246—452.)



1. A switch throwing bar comprising a relatively wide flat bar having a head enlarged above and below the planes of said bar and having a curved horizontal recess of greater depth than said bar and a slot leading centrally from said recess outwardly through the end of said head and a connecting rod having a flat body movable in said slot and having a curved head occupying and movable horizontally in said recess and having shoulders projecting above and below the planes of said slot.

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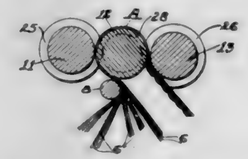
1,563,564. METHOD OF FORMING BRAID. GEORGE D. GOODSPEED, Gardner, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a Corporation of Massachusetts. Filed Sept. 18, 1922. Serial No. 588,864. 1 Claim. (Cl. 96—16.)



The herein described method of producing braid from tenacious or non-flaccid strands which consists in drawing off the strands at the edge of the braid at a constant and equal rate, drawing off the centermost strands at a higher rate and drawing off the intermediate

strands at varying intermediate rates dependent upon their position in the braid, any given strand being drawn off at a greater or less rate than the other strands according to which is furthermost from the center, while confining tht strands as the braid forms, thus producing a braid permanently arcuate in form, with the braid at the center of a more open character than at the edges which are firm.

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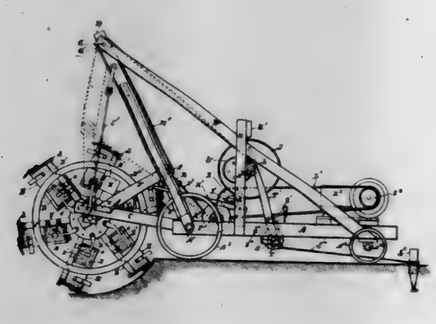
1,563,565. DITCH-DIGGING MACHINE. WILSON T. GRIFFIN, North East, Pa. Filed Dec. 29, 1924. Serial No. 758,621. 8 Claims. (Cl. 37—94.)



1. In a machine of the class described, a series of scoops arranged to rotate around a common axis, and hoisting mechanism adapted to engage each upcoming scoop and lift it to its uppermost position.

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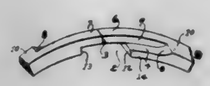
1,563,566. METHOD OF MAKING PISTON RINGS. RAY GROVER, Milwaukee, Wis. Filed Feb. 27, 1922. Serial No. 539,487. 14 Claims. (Cl. 29—156.6.)

1. The process of making a piston ring having a stepped, sealed joint, said process comprising thinning a portion of such ring from the inside towards the outside, severing said ring at the thinned portion, deflecting the adjacent free ends of the ring laterally, and forming outwardly projecting tongues and an adjacent thinned portion.

3. The process of cutting peripheral marginal grooves in a split ring, said process including the warping of the abutting ends of the split ring to expose the end of the portion to be grooved, and the subsequent cutting away of the material of the exposed portion to produce a groove of the desired depth by a cutting movement along a line substantially paralleling the margin of the ring.

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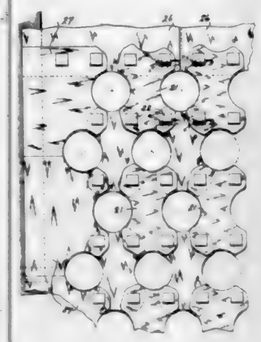
1,563,567. BAFFLE AND METHOD OF CONSTRUCTING THE SAME. ISAAC HARTER, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Mar. 7, 1921. Serial No. 450,167. 16 Claims. (Cl. 110—98.)

1. A cross baffle for a water tube boiler having a plurality of parallel tubes arranged in rows in staggered relation, said baffle comprising a plurality of relatively thick metallic plates substantially quadrilateral in outline and having a single circular recess in each of the four end



faces and the wall of each recess fitting closely against and around a water tube for substantially the full width of the face.

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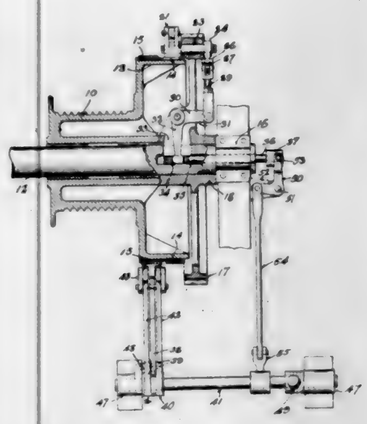
1,563,568. WINCH CONTROL MECHANISM. ROGER SHERMAN HOAR, South Milwaukee, Wis., assignor to Bucyrus Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed June 6, 1923. Serial No. 643,640. 18 Claims. (Cl. 192—17.)



1. The combination of a rotatable member means normally operable to permit rotation of said member in one direction and to prevent rotation in the other direction, means under the control of the operator for rotating said member in the direction first named, and means for gradually releasing said first named means to permit rotation of said member in said other direction at controlled speeds.

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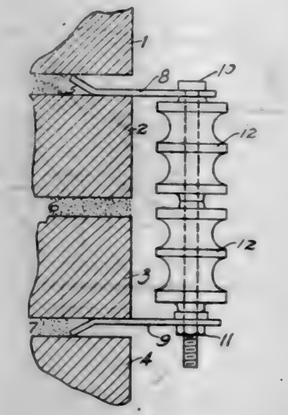
1,563,569. SEAM ANCHOR. PHILIP HOGAN, St. Louis, Mo. Filed May 2, 1924. Serial No. 710,664. 8 Claims. (Cl. 72—101.)

1. Suspension means for cables or the like comprising angular members each adapted to have one end inserted in a respective seam in a wall with the vertex of its angle engaging one face of the seam and said end pointing away from said face, and means engaging the outer ends of both of said members to move said outer ends relatively to each other to turn the members on the



vertices of their angles as fulcrums and thrust the inner end of each member against the face of the wall seam opposite to the face engaged by the angle vertex.

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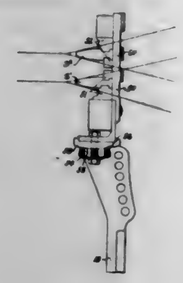
1,563,570. LAY FOR NARROW-WARE LOOMS. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 2, 1924. Serial No. 735,262. 8 Claims. (Cl. 139—188.)



1. In a loom, a batten structure, shuttles thereon, supporting means for said batten, and means to vary the angular adjustment of the batten structure with respect to the supporing means, the batten being movable about an axis substantially in alignment with the shuttles.

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1,563,571. JUMPING BALLOON. WILLIAM E. HUFFMAN, CLARENCE F. ADAMS, and MATT Q. CORBETT, Dayton, Ohio. Filed Mar. 29, 1923. Serial No. 628,497. 4 Claims. (Cl. 244—7.)

1. In combination with a balloon having a concentrating ring, a normally upright suspension shaft supported





at its upper end by said ring, a man-carrying sling suspended from said shaft, a lifting propeller rotatable

around said shaft, and means controlled by the occupant of the sling for operating said propeller.

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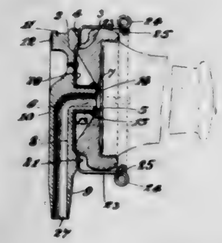
1,563,572. SOUND CONTROLLER FOR TELEPHONE RECEIVERS. MILLER REESE HUTCHISON, West Orange, N. J. Filed Jan. 22, 1924. Serial No. 687,736. 8 Claims. (Cl. 179—182.)



1. An attachment for telephone receivers, consisting of a flat disc-like member for closing the outlet of the receiver and having peripheral clamps for holding it on the receiver, a projecting tube centrally arranged to register with the sound outlet of the receiver, a rubber coupling on said tube having a cylindrical portion projecting into and fitting said sound outlet.

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1,563,573. HEAT-RESISTING ALLOY AND STRUCTURE, ETC. NOAK VICTOR HYBINETTE, Wilmington, Del. Filed June 11, 1923. Serial No. 644,800. 11 Claims. (Cl. 75—1.)

1. Heat resisting alloys containing from 10 to 20% of chromium, 30 to 40% of nickel, from 0.4 to 1.5% carbon, less than 1% silicon and the remainder for the most part iron.

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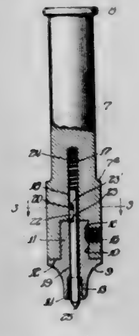
1,563,574. HOLLOW PUNCH. JOHN JENSEN, Rockford, Ill., assignor to Whitney Metal Tool Company, Rockford, Ill., a Corporation of Illinois. Filed Sept. 4, 1923. Serial No. 660,702. 2 Claims. (Cl. 164—119.)

1. A hollow punch comprising a main body portion providing a shank the upper end of which is arranged to receive the impact of a hammer, a cutting tool formed

separately from the body portion and shaped to provide an annular cutting edge at its lower end, the lower end of the shank having a socket formed therein and the cutting tool having at its upper end a portion of reduced diameter forming a stem adapted snugly to fit in said socket, there being opposed annular shoulders on the shank and the tool, a screw for fastening the parts



rigidly together with said annular shoulders abutting, a centering pin, said shank and cutting tool having alined axial bores adapted to receive said pin, a spring entered in the upper end of the bore in the shank tending to force the pin downwardly, and means carried by said shank to retain said pin in the shank and to limit the downward movement thereof.

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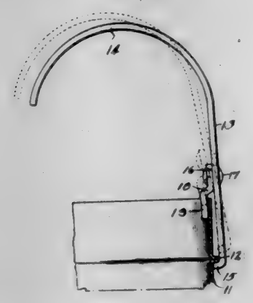
1,563,575. LIFTER. JOHN M. JUNG, Sioux City, Iowa, assignor of one-half to Arthur S. Hanford, Jr., Sioux City, Iowa. Filed Aug. 15, 1925. Serial No. 50,427. 2 Claims. (Cl. 294—27.)



2. In a lifter to be used with a can having an annular flange spaced from its upper edge, a bar, a handle at one end of the bar, a jaw at the other end of the bar, a finger intermediate of the bar, said finger being hooked toward the jaw, the finger, jaw and handle being all positioned on the same side of the bar.

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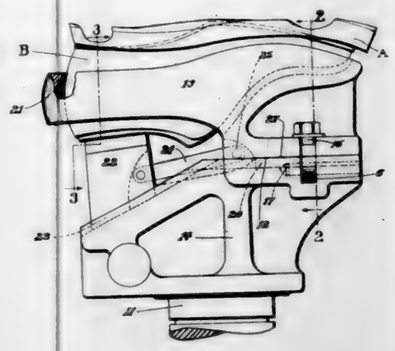
1,563,576. LEVELING MACHINE. FRANK BYCROFT KEALL and WILFRID THOMAS MINETT, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 15, 1922. Serial No. 561,201. 9 Claims. (Cl. 12—33.)

3. In a machine for leveling the bottom of a shoe, a shaped bottom-pressing form, and a work support adapted to sustain a shoe upon a last in proper position against the leveling pressure and comprising correlated means for effecting adjustments of the support so as respectively



to maintain substantially unvaried the relative longitudinal position of the shoe as a whole and the form with changing sizes of shoes.

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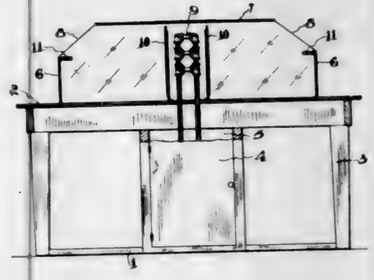
1,563,577. REFRIGERATOR COUNTER. THEODORE PRINGLE LOBLAW, Toronto, Ontario, Canada, assignor to Loblaw Groceterias Co. Limited, Toronto, Canada. Filed Oct. 22, 1924. Serial No. 745,218. 2 Claims. (Cl. 62—101.)



2. A refrigerator chamber having a top, bottom and walls and a rearwardly and upwardly inclined opening in the top adjacent the front; a shelf extending rearwardly from the front wall at the forward edge of the opening; and refrigerating coils located at the back of the chamber remote from the shelf, said coils extending above the level of the forward edge of the aforesaid opening, whereby warm air in the top of the chamber passes to the rear, is cooled, drops down, flows to the front and is deflected rearwardly to form a vertical eddy in the chamber.

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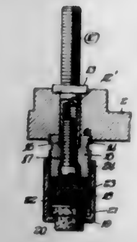
1,563,578. ADJUSTABLE CONTACT MEANS. BENJAMIN F. LOLLIS, Berwyn, Ill. Filed Feb. 14, 1924. Serial No. 692,933. 7 Claims. (Cl. 200—166.)

1. In a relay device, a housing, a stud extending through a wall of said housing, said stud having a portion abutting against one side of said wall, a collar for said stud abutting against the other side of said wall,



said stud and collar being non-rotatably fitted to said wall, screw-threaded means for holding said collar in intimate association with said stud and wall, a contact



holder adjustably mounted upon said collar, and a lock nut upon said collar adapted to hold said contact holder in adjusted position.

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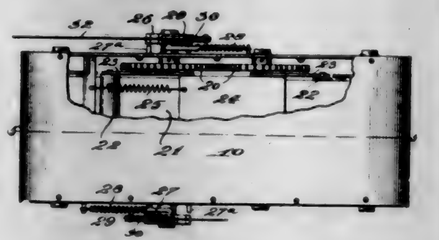
1,563,579. STREET OR STATION INDICATOR. ROBERT MAJOR, PIUS J. DURBIN, and FINGAL C. ORR, Los Angeles, Calif.; said Fingal C. Orr assignor to said Robert Major and said Pius J. Durbin. Filed Apr. 19, 1923. Serial No. 633,117. 2 Claims. (Cl. 40—87.)



1. In a street or station indicator, a housing provided with a pair of oppositely arranged openings, a series of four drums mounted for operation within said housing, the intermediate pair of drums being geared to each other so as to rotate simultaneously, the end drums being disposed adjacent to the openings in the housing, a beltlike member having its ends secured to the members of the intermediate pair of drums with the web of said beltlike member passing around the end drums, said beltlike member bearing on both faces, the names of the streets or stations, a pair of plates journalled on the axis of each intermediate drum, a spring held member connecting the upper portions of said pair of plates and tension rollers journalled between said pairs of plates and bearing on the portions of said beltlike member between the intermediate drums and the end drums.

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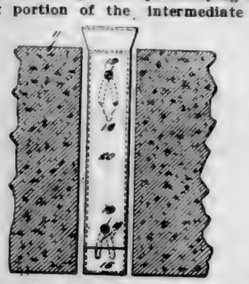
1,563,580. COLLAPSIBLE CORE. MARTIN D. MAY, Monroe, Mich. Filed May 24, 1924. Serial No. 715,683. 1 Claim. (Cl. 25—128.)

A collapsible mould core of the character described comprising a pair of side plates having their upper and lower edges bent inwardly, a cover plate having its intermediate portion lying flush with the upper inwardly bent portions of the side plate and its end portions extending downwardly in spaced parallel relation and engaging the side edges of the side plate, a plurality of substantially L-shaped end and intermediate plates secured to the inner and opposite sides of the side plate and having their free end portions slotted and registering in overlapping relation, auxiliary draw plates lying flush with the overlapping portion of the intermediate and end



plates, and draw pins received in the end portions of the cover plates and auxiliary draw plates and the slotted portions of the end and intermediate plates respectively.

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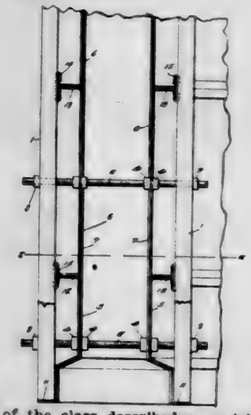
1,563,581. CONCRETE FORM. MARTIN D. MAY, Monroe, Mich. Filed Oct. 10, 1924. Serial No. 742,890. 2 Claims. (Cl. 25—131.)



1. A form of the class described comprising uprights, sectional wall forming pieces having flanges thereon engaging the uprights, bolts passing through the uprights and said pieces, spreader nuts on the bolts engaging the pieces and lock nuts on the bolts engaging the uprights.

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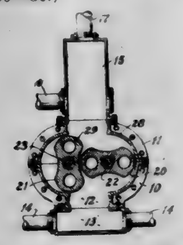
1,563,582. SILENT-READING STORY-ILLUSTRATING ARRANGEMENT. JAMES E. MCDADE, Chicago, Ill. Filed Feb. 9, 1924. Serial No. 691,678. 10 Claims. (Cl. 35—12.)

1. In a silent reading story illustrating arrangement the combination with a written or printed story relating to a range of activity having certain places thereon and a plurality of objects to be located at said respective

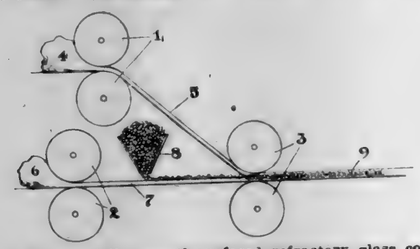
places, of a base structure representing said range and a plurality of members representing the respective objects named in the story, said base structure being so formed that said members may be arranged and supported thereon in the relationship stated in the story.

1,563,583. VACUUM PUMP. WILLIAM H. MILLSPAUGH, Sandusky, Ohio, assignor to The Paper & Textile Machinery Company, Sandusky, Ohio, a Corporation of Ohio. Filed June 28, 1923. Serial No. 648,218. 6 Claims. (Cl. 230—30.)



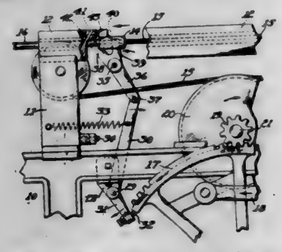
1. A cycloidal vacuum pump comprising a casing and impellers therein, said impellers and casing having cast iron, coacting surfaces, the skin of said coacting surfaces being undisturbed.

1,563,584. REFRACTORY GLASS PLATE OR ARTICLES AND METHOD OF PRODUCING THE SAME. THOMAS A. O'SHAUGHNESSY, Chicago, Ill. Filed Apr. 27, 1921, Serial No. 465,051. Renewed Oct. 28, 1925. 4 Claims. (Cl. 49—82.)



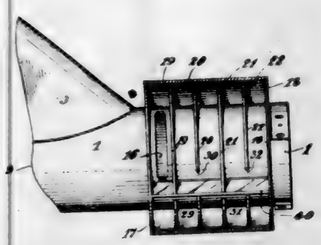
1. Substantially smooth-surfaced refractory glass comprising a rolled sheet composed of originally separate layers of glass and interposed granular glass.

1,563,585. NEEDLE-POSITIONING MEANS FOR AXMINSTER LOOMS. ARTHUR P. PAINE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed May 9, 1925. Serial No. 29,203. 8 Claims. (Cl. 139—123.)



1. In a needle motion for Axminster looms comprising a needle and a block movable therewith, means to check the motion of the needle as the latter nears the end of its stroke and means to thereafter positively position the needle.

1,563,586. SILENCER FOR TELEPHONES AND THE LIKE. ALEXANDER N. PIERMAN, Newark, and NATHAN A. CURTISS, Ramsey, N. J., assignors to Miller Reese Hutchison, New York, N. Y. Filed Jan. 22, 1924. Serial No. 687,693. 12 Claims. (Cl. 179—188.)

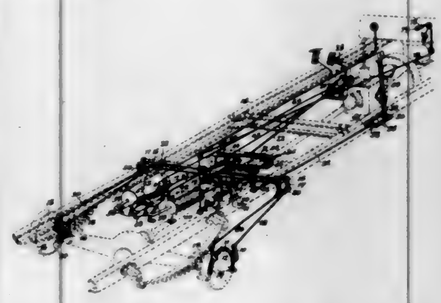


1. A tubular conduit having a vent for air pressures and sound waves and, in receiving relation to the vent, silencer passages including radially extending partitions arranged edgewise on the exterior of said conduit, some of said partitions being circumferential and others longitudinal.

1,563,587. METHOD OF PREPARING CATALYTIC MATERIAL. MURRAY RANEY, Chattanooga, Tenn. Filed Sept. 20, 1924. Serial No. 738,952. 5 Claims. (Cl. 23—236.)

5. A method of preparing catalytic nickel which includes the step of alloying 50% nickel with 50% silicon, pulverizing the resultant alloy, treating the same with caustic soda until the silicon has been converted into sodium silicate, and removing the finely divided catalytic material from the solution.

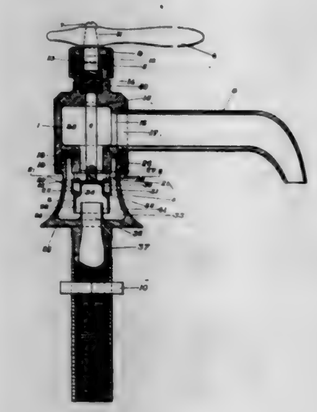
1,563,588. BRAKE MECHANISM FOR AUTOMOBILES. JOHN H. RICHARD, Buffalo, N. Y., assignor, by direct and mesne assignments, to Richards Airbrake Co. Inc., Buffalo, N. Y., a Corporation of New York. Filed Dec. 16, 1922. Serial No. 607,412. 24 Claims. (Cl. 188—106.)



1. A brake mechanism for automobiles comprising a shifting member for controlling a brake member adapted to engage a part operatively connected with a wheel of the automobile, a manually operated lever having a slip connection with said shifting member, which slip connection compels said shifting member to move in the operative direction with said lever when the latter is operated but permits said shifting member to move in the operative direction independently of said lever, an air operated motor adapted to actuate said shifting member independently of said lever and controlling means whereby said lever during the first part of its forward movement will cause said air motor to apply the brake member by power and during a subsequent part of the forward movement of said lever the latter causes a manual application of said brake member.



1,563,589. FAUCET. JAMES C. ROSS, Seattle, Wash. Filed Mar. 5, 1925. Serial No. 13,215. 3 Claims. (Cl. 251—143.)

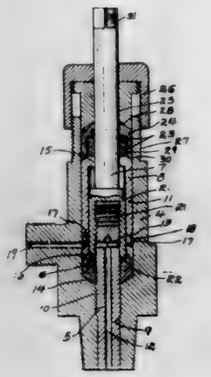


1. In a faucet, the combination with the body having a water receiving chamber provided with water inlet and outlet openings respectively at the lower and upper portions of the chamber, a valve seat at said outlet opening, a cylinder rigid with the body, said cylinder being of less diameter than the chamber and in spaced relation from both of said openings to afford therebetween a communicating passage exteriorly of the cylinder, a valve for said seat, a hollow piston rigid with the valve and operating within the cylinder for regulating the closing movement of the valve, and manually actuated means for effecting an opening movement of the valve.

3. In a faucet, a body comprising two chambered members separably connected together one above the other, the lower of said members having a water-inlet nozzle extending into its chamber, the upper member having an extension depending into the chamber of the lower member and having a cylinder bore at its lower extremity, communicative connections between the body chambers said connections including a passage extending downwardly from the upper chamber to a valve seat and thence to the upper portion of the lower chamber, a piston acting within said bore and having an extension adapted to serve as a valve with respect to said seat, a stem extending from the valve through said passage and the upper chamber of the body, said piston having in its underside a cavity for the impact of water from said nozzle to effect the elevation of the piston and the valve into closing relation with said seat, and manually actuated means engaging against the end of the valve stem for effecting the opening movement of the valve with respect to the seat.

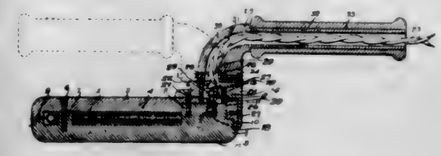
1,563,590. VALVE. HERMAN W. ROTTEL, Milwaukee, Wis. Filed Nov. 2, 1923. Serial No. 672,308. 12 Claims. (Cl. 251—167.)

6. In a valve, the combination of a casing having a valve chamber, a conduit having an exteriorly threaded portion extending into said chamber, an extrudible metal valve seat surrounding said conduit below its outlet, a valve member in said chamber having a head fitting over and engageable with said threaded portion of said conduit and turnable thereon into engagement with said seat, a sleeve slidably mounted in said chamber and having



wedging engagement with said extrudible metal tending when moved to force it toward said conduit and thereby raise the level of said seat, and means for operating said sleeve.

1,563,591. ELECTRIC IRON. ALBERTINE RUELLAND, New York, N. Y. Filed Apr. 15, 1921. Serial No. 461,598. 3 Claims. (Cl. 68—26.)

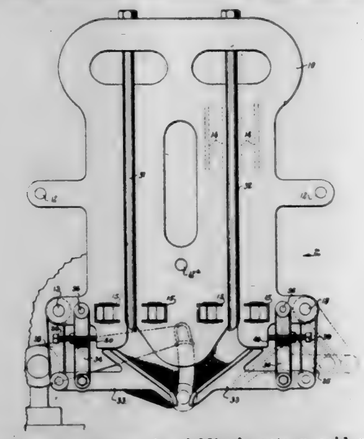


1. An electric iron which comprises a body portion, a heating element within said body portion, a hollow boss disposed on the rear upper surface of the body portion, terminals for the heating element, said element disposed within the body portion substantially beneath the boss, a hollow handle provided with an elbow engaging the boss, circuit wires extending through the handle and engaging with the terminals, and means for adjusting the handle in a plurality of positions with respect to the body portion.

1,563,592. WEFT-CARRIER MAGAZINE. EPPA H. RYON, Pasadena, Calif., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Original application filed July 18, 1921, Serial No. 485,420. Divided and this application filed Apr. 28, 1924. Serial No. 709,410. 2 Claims. (Cl. 139—251.)

1. In a magazine, a support for the tip of a weft carrier, means to position said support and to guide said sup-

port outward and upward to successive parallel positions and to prevent displacement of said support from



parallelism, and means to yieldingly return said support to operative position.

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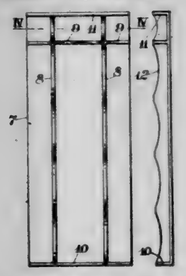
1,563,593. BUILDING SLAB. CLINTON W. SCHALL, Columbus, Ohio. Filed Apr. 17, 1924. Serial No. 707,085. 3 Claims. (Cl. 72—39.)



1. A building slab of plastic material including integrally an outer wall member provided with an inwardly extending studding member, a horizontal flange projecting inward from the upper end of said wall, and a horizontal beam-supporting cross web spaced from said end flange and intersecting the studding member.

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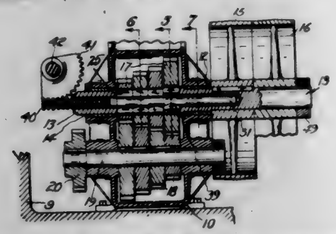
1,563,594. SPEED-CHANGE GEARING. FRANK H. SLEEPER, Worcester, Mass., assignor to Sleeper & Hartley, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 22, 1922. Serial No. 545,842. 2 Claims. (Cl. 74—59.)



1. In a speed changing device, the combination of a driving and a driven shaft, two sets of gears on said shafts meshing constantly with each other in pairs, keys in said gears, a longitudinal reciprocable rod mounted in said shaft, a spring in each gear for operating said keys, and a flat plate dove-tailed into the shaft longitudinally on it behind the said springs to hold them in place, said plate being slidable into position along the shaft.

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1,563,595. COKING PROCESS. FREDERICK W. SPARR, Jr., Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 18, 1919. Serial No. 311,810. 16 Claims. (Cl. 202—8.)

1. In a process of producing low ash coke from liquefiable bituminous materials: heating a proportion of such material to expel a part of the volatile matter and thereby forming a semi-coke; mixing such semi-coke with a proportion of liquefiable bituminous material; and subjecting the mixture thus formed to coking heat; substantially as specified.

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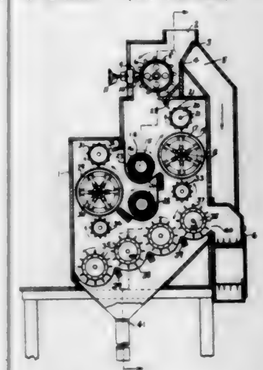
1,563,596. COTTON CLEANER. JOHN ARNOLD STREUN, Sherman, Tex. Filed Apr. 21, 1925. Serial No. 24,744. 9 Claims. (Cl. 19—36.)



2. In a cotton cleaner, a housing, a breaker roll adjacent one side of said housing, a saw cylinder adapted to receive cotton from said breaker roll, means to feed said cotton longitudinally of said cylinder, a knocker roll rotatable adjacent said cylinder to prevent the passage of hulls, a stationary baffle adjacent said knocker roll, means to remove lint from said cylinder, a foraminated screen below said cylinder, and picker cylinders rotatable to brush said cotton over said screen and discharge it from said housing.

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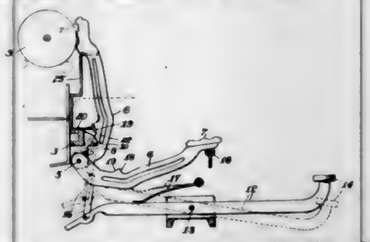
1,563,597. TYPEWRITING MACHINE. RICHARD W. UHLIG, Newark, N. J., assignor to Allen Typewriter Manufacturing Company, Allentown, Pa., a Corporation of Pennsylvania. Filed Apr. 30, 1923. Serial No. 635,588. 6 Claims. (Cl. 197—183.)



1. In a typewriting machine, the combination with a platen and fulcrumed typebars adapted to be swung to printing position relative to the platen, of a comb mounted in fixed position between the fulcrum support of the typebars and platen with the teeth of the comb arranged in line with the movement of the typebars adapted to be engaged by the typebars and limit the movement thereof toward the platen, and said teeth adapted to be adjusted in a direction with the movement of the typebars to project to a greater or less extent into the path of movement of the typebars for the purpose specified.



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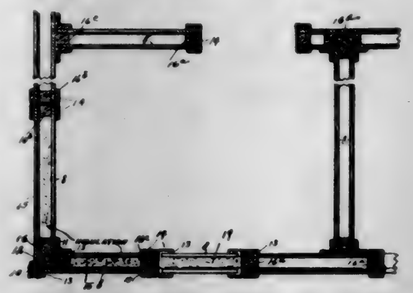
1,563,598. BUILDING CONSTRUCTION. DELBERT G. WAKEMAN, Mooresville, Ind. Filed Apr. 13, 1925. Serial No. 22,641. 8 Claims. (Cl. 72—16.)



1. A building wall comprising an outer and an inner facing of boards, vertical metal strips contacting the outer surfaces of the facing boards and holding them in vertical alinement, and concrete columns at and between the ends of the boards adhesively united with the boards at all contacts therewith and spacing the two facings apart and extending from top to bottom of the wall.

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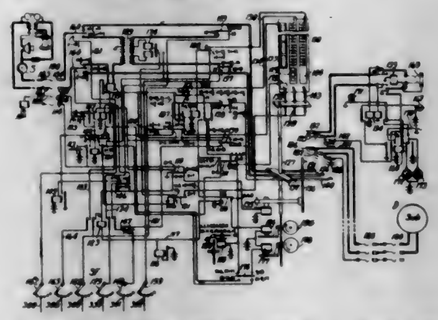
1,563,599. TELEPHONE-EXCHANGE SYSTEM. JAMES N. WALTERS, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 19, 1923. Serial No. 663,663. 8 Claims. (Cl. 179—27.)



1. In a telephone exchange system, a calling subscriber's line, a selector switch for extending a connection from said line, a register sender for controlling said switch, means associated with said calling line for setting the registers in said sender, a time measuring device and means controlled by said time measuring device to set up a special registration on said sender.

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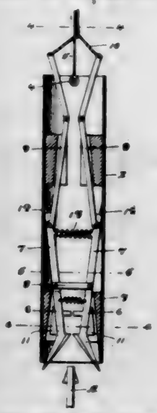
1,563,600. WELL DRILL AND TOOL. JOHN R. WALTON, Harvey, Ill. Filed Nov. 27, 1923. Serial No. 677,288. 2 Claims. (Cl. 294—86.)

1. A device of the class described comprising a casing having wedges therein, jaw members located in the casing, stems connected with the members and having wedges thereon for cooperating with the first mentioned wedges, links connected with the stems, cables connected with the links and with the casing, means for normally



holding the parts with the jaws in open position and means actuated by the object to be recovered for rendering the first mentioned means inactive.

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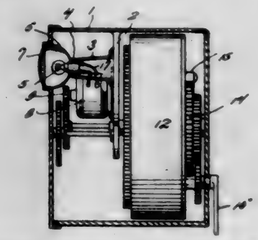
1,563,601. FLASH LIGHT. HARRY G. WATSON, Fairbanks, Territory of Alaska. Filed June 7, 1924, Serial No. 718,586. Renewed Aug. 26, 1925. 1 Claim. (Cl. 240—10.5.)



In combination, a casing, a hanger depending from an intermediate portion of the top of the casing, shafts journaled between the inner end of the hanger and one end of the casing, a bracket extending laterally of the intermediate portion of the hanger and terminating in a socket, an electric bulb in the socket, wires electrically connecting the bulb and the generator, said generator being mounted on the hanger between the shafts and the bracket, a pinion for operating the generator, a train of gears associated with the shaft and one meshing with the pinion, and a motor in the casing on the opposite side of the hanger than is disposed the bracket, and one of said shafts operatively connected with the motor.

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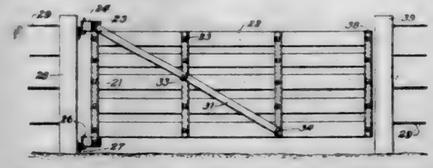
1,563,602. FARM GATE. WILLIAM A. WEBSTER, Galesburg, Ill. Filed Aug. 24, 1923. Serial No. 659,086. 4 Claims. (Cl. 256—73.)



2. A farm gate, comprising opposed uprights, cross boards secured between said uprights, and a separate hinge member secured between end uprights, said end

uprights being of channel-iron formation and said hinge member and cross boards being grooved to receive the wall portions thereof.

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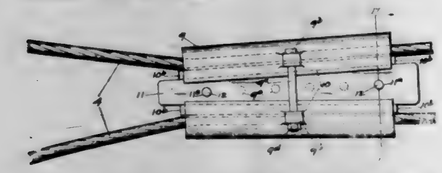
1,563,603. GUY-LINE GRIP. MAXWELL A. WEST, Portland, Oreg. Filed Jan. 3, 1925. Serial No. 340. 8 Claims. (Cl. 24—136.)



1. In a guy line clamping device, the combination of, a gripping member of convenient length having its sides folded, with opposing interior, longitudinal channels tapering from one end to the opposite end, the edges of said sides being spaced conveniently apart to allow the introduction between them of opposing parts of a guy line of common type and reception of same in the said channels in slidable position, and reinforcing means on the exterior surfaces of the folded parts arranged to prevent them from spreading.

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1,563,604. CLEANING POWDER AND DISINFECTANT. LAWRENCE E. WHITLOCK, Le Roy, N. Y. Filed Sept. 27, 1924. Serial No. 740,239. 4 Claims. (Cl. 87—5.)

1. A disinfecting compound, composed of nitre-cake and vegetable ivory, ground and mixed in suitable proportions to prevent setting of the nitre-cake and leave it free to dissolve for disinfecting purposes.

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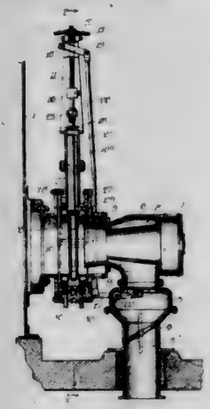
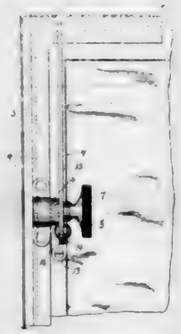
1,563,605. VALVE FOR HOT-BLAST STOVES. FREDERICK H. WILLCOX and JOHN C. HAYES, Jr., Chicago, Ill, assignors to Freyn, Brassert & Company, Chicago, Ill., a Corporation of Maine. Filed July 12, 1923. Serial No. 651,099. 4 Claims. (Cl. 277—31.)



1. In combination, a hot blast stove having a port for the admission of a combustible mixture, a valve seat operatively associated with said port, means for directing a combustible mixture through said port, a valve for said port adapted to have a reciprocating movement, said valve being adapted to seat upon said valve seat for closing communication between said stove and said combustible mixture directing means.

1,563,606. WINDSHIELD. GORDON WILLIAMS, Mount Carmel, Conn. Filed July 6, 1925. Serial No. 41,519. 2 Claims. (Cl. 296—84.)



1. In a wind-shield, the combination with the enclosing-frame, of a movable-member hinged thereto, a link pivotally connected with the movable-member, said link provided at its lower end with an outwardly-projecting finger through which the link is hinged, said link formed with a longitudinal slot provided at its lower end with an inwardly-offset recess, a stud mounted on the frame and extending through the slot in the said link.

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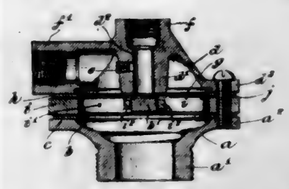
1,563,607. DIAPHRAGM PRESSURE REGULATOR FOR GAS HEATERS. AARON H. WOLFF, New York, N. Y. Filed Feb. 6, 1924. Serial No. 691,081. 7 Claims. (Cl. 236—26.)



1. A diaphragm pressure regulator for gas heaters embodying therein a recessed casing adapted to be placed in communication with the boiler space of a heater, a diaphragm closing the recess of said casing, a second dished casing forming a gas chamber adapted to be placed in communication with a source of gas supply and with the burners of a heater, a nipple carried thereby and extending into said chamber and having its end finished to form a valve seat, and a reduced side orifice communicating with said recess, a flexible diaphragm closing said last named recess and positioned in close proximity to the valve seat formed upon said nipple, said diaphragms being parallel in relation to each other, a spacer between said diaphragms in communication with atmosphere, and means adjacent said first named diaphragm and in engaging relation with said other diaphragm, said diaphragm co-operating with said nipple having the surface thereof presented toward said nipple coated with a metallic substance immune to the action of sulphur or other acids or substances contained in, or carried by, gas flowing through said nipple into said recess.

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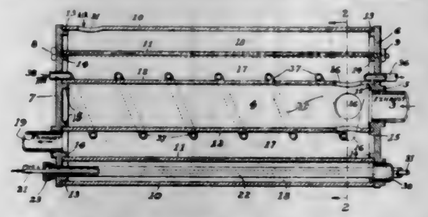
1,563,608. AIR AND FUEL HEATER FOR INTERNAL-COMBUSTION ENGINES. JESSE N. WOOD, Venice, Ill. Filed Sept. 12, 1921. Serial No. 500,172. 2 Claims. (Cl. 257—241.)

1. A heater for the air and for the fuel supplied to an internal combustion engine, comprising a plurality



of concentric tubes connected together at their ends by front and rear heads, the central tube having openings at the forward end to form communication with the chamber surrounding said central tube, an exhaust pipe from an internal combustion chamber communicating with the central tube adjacent the openings therein, the rear head having an exhaust pipe which communicates with the chamber adjacent and surrounding the



central tube, an insulated liquid fuel supply pipe extending through the front and rear heads and the outermost chamber surrounding the middle chamber containing the exhaust gases from the exhaust pipe, and a hot air outlet pipe communicating with the said outermost chamber, the outer tube having an air inlet opening near the rear and top portion for admitting air to be heated therein.

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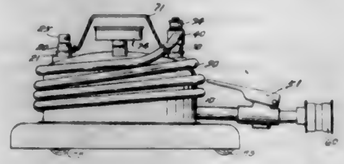
1,563,609. LUBRICATING APPARATUS. OSCAR ZERK, now by judicial change of name Oscar Ulysses Zerk, Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Filed Mar. 14, 1921. Serial No. 452,125. 8 Claims. (Cl. 221—74.)



6. Lubricant dispensing means comprising a container adapted to withstand internal pressure, means for filling said tank partly with liquid and partly with expansive pressure fluid, a flexible conductor, and a support for said container projecting annularly to form a shelf to receive said flexible conductor when coiled.

7. Lubricant dispensing means comprising a container with a dome shaped top, an inlet and an outlet in said top on opposite sides of the center thereof, a pressure gauge and a contents gauge in said top on opposite sides of the center thereof and on a line perpendicular to a line through said inlet and outlet, and a bail member fastened at its ends to said inlet and outlet and extending across the center between said gauges.

8. Lubricant dispensing means comprising a container with a dome shaped top, an inlet and an outlet in said top on opposite sides of the center thereof, and a bail member fastened at its ends to said inlet and outlet and extending across the center.

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1,563,610. WEATHER STRIP. MILTON H. ZIEGLER, Akron, Ohio. Filed Oct. 15, 1923. Serial No. 668,735. 1 Claim. (Cl. 20—67.)

In a weather strip, an upper leaf having a depending longitudinal flange on the outer lower corner thereof, hinges, a flat lower leaf having its upper portion attached to the lower portion of the upper leaf by said hinges so that the upper portion of the lower leaf is normally in spaced relation to and disposed inwardly of said longitudinal flange and whereby the lower leaf may swing vertically relative to the upper leaf, said flange of the upper leaf depending below the upper edge of said lower leaf, and spring means to normally yieldingly maintain the leaves in an angular relation to each other with the lower leaf inclined outwardly, said spring means embodying a piece of resilient wire with a straight inter-

mediate major portion extending obliquely across the inner surfaces of the leaves, said leaves having flat inner surfaces and having oblique co-extensive grooves formed therein in which the straight major portion of the spring is disposed, and means securing said spring to said leaves.

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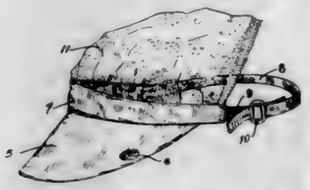
1,563,611. EYESHADE. MAX COHEN, Denver, Colo. Filed Jan. 8, 1925. Serial No. 1,197. 1 Claim. (Cl. 2—12.)



An eye shade comprising a visor, a band connected therewith and adapted to extend around the back of the head, said band being extensible to fit heads of varying size, and a covering for the head connected with the visor, extending rearwardly therefrom over the top of the head and terminating in an edge a short distance above the extensible band, the ends of said edge being at the opposite sides of the head.

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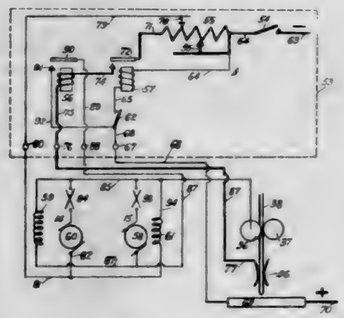
1,563,612. ELECTRIC WELDING APPARATUS. ARTHUR EDWARD CUTLER and PHILIP ALLAN MARSDEN, Newcastle, New South Wales, Australia. Filed July 24, 1923. Serial No. 653,590. 3 Claims. (Cl. 219—8.)



1. In electric arc welding apparatus a pair of electric motors, the field of one and the armature of the other being connected in parallel across the arc and the armature of the first and the field of the second being also connected in parallel and having impressed thereon a

voltage varying directly to any variation in the value of the welding current, means for regulating said voltage, and differential gear actuating electrode feeding rollers, the main elements of said differential gear being respectively driven in opposite directions by said motors.

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1,563,613. METHOD OF SEPARATING SOLUBLE SALTS. CLINTON E. DOLBEAR, San Francisco, Calif. Filed Dec. 17, 1923. Serial No. 681,296. 3 Claims. (Cl. 23—40.)

1. The process of separating sodium chlorid, sodium carbonate and sodium sulfate from each other comprising leaching the mixed salts with a solution of sodium chlorid; separating the undissolved residue from the solution; treating the solution with carbon dioxid; separating the precipitated sodium bicarbonate therefrom; treating the solution with ammonia; separating the precipitated sodium sulphate therefrom; distilling off the ammonia or its equivalent, and using the final liquor to dissolve more of the mixed salts in cycle as before.

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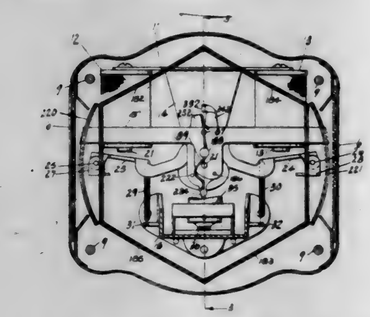
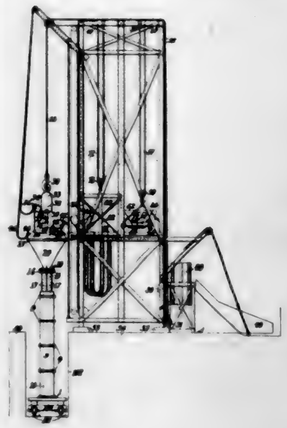
1,563,614. SIGNAL DEVICE. ANDREW EKMAN, Grand Rapids, Mich. Filed Jan. 20, 1922. Serial No. 530,511. 7 Claims. (Cl. 177—339.)



1. In an automobile signal device, the combination of a suitable casing with a window front and rear, a supporting frame at one end thereof, a supporting arm secured to the said frame and disposed longitudinally within the said casing, a translucent signal drum with "Stop" signs front and rear and with direction arrows on the upper and lower parts, cross bars at each end thereof and pivotal supports on the said frame and arm, a projecting actuating and stop pin on the inner cross bar, an electric lamp disposed upon the supporting arm within the said drum, a safety sign with display surface front and rear with end cross arms disposed on said pivots, the inner end arm having an arc-shaped slot embracing the said projecting pin on the drum cross arm, a projecting actuating pin on said safety cross arm, a spring holding the said drum and safety sign yieldingly together in the initial position with the stop pin at one end of said slot, lever actuators fulcrumed at opposite sides of the said frame, with springs to hold the same yieldingly in position and with hook portions having clearance and one side of each disposed to rest on said pins to hold the sign yieldingly in initial safety position and with engaging portions on the opposite side of each to engage the said pins and actuate the same in one direction only, each engaging portion being spaced to give said clearance and permit the movement of said pins when not acted upon by its actuator, a stop latch pivoted to the said frame with pin and slot connections to one of said actuators and with its stop portion adapted to engage the opposite actuator with its hook engaged on its pin when both are actuated simultaneously, and means for actuating either or both of said actuator arms.

1,563,615. CONCRETE-MOLDING APPARATUS. RUSSELL SCOTT ELLIS, Philadelphia, Pa. Filed Feb. 25, 1925. Serial No. 11,419. 20 Claims. (Cl. 25—37.)



20. In concrete molding apparatus, the combination with a mold; of means arranged to alternately subject the contents of said mold to fluid pressure and a partial vacuum including a conduit extending from said mold, a source of fluid pressure and exhausting means, and valve means movable to control communication between said mold, said source and said exhausting means.

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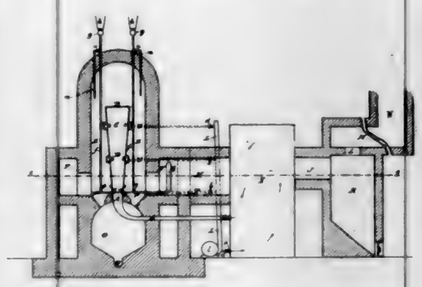
1,563,616. PROCESS AND APPARATUS FOR ROASTING ORES. ADOLPHE DENIS HENRI LÉON FASSOTTE, Lommel Usines, Belgium, assignor to Compagnie des Métaux Overpelt-Lommel, Société Anonyme, Overpelt-near-Neerpelt, Belgium. Filed Jan. 16, 1924. Serial No. 686,553. 4 Claims. (Cl. 263—21.)



1. A process of roasting ores, of the kind wherein the required temperature is derived from the reaction itself and the gaseous current with the ore-particles in suspension is caused to travel first upwardly in a central column and then downwardly in an annular column surrounding said central column, consisting in pre-heating the ore-particle by causing same to absorb heat developed in the annular column, in pre-heating the major portion of the necessary air by means of heat recovered from the spent gases, in feeding the particles together with a small quantity of such pre-heated air horizontally to the base of the central column and causing the main portion of said pre-heated air to meet the mixture at right angles, in bringing about a gradual reduction of the velocity of the gaseous current during its upward travel, in injecting the non-preheated remainder of the necessary air in successive fractions at different points of the height of the central column and from the periphery towards the centre thereof, and finally in removing from the gaseous current after its subsequent downward travel the roasted ore-particles contained therein, substantially as described.



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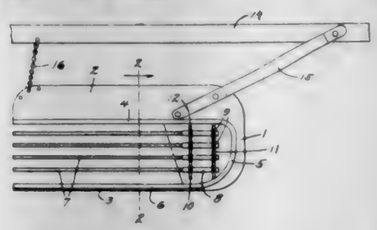
1,563,617. CULTIVATOR FENDER. EDWARD F. FONES, Geneseo, Ill. Filed Nov. 10, 1924. Serial No. 748,847. 1 Claim. (Cl. 97—188.)



A device of the class described, comprising a body portion, formed of sheet metal, provided with a pair of transverse slots; a guard plate projected rearwardly from the upper part of said body member; a runner blade projected rearwardly from the lower edge thereof and adapted to operate in the ground, to act as a guide for the fender; a series of rods provided with fastening means secured in said slots, so as to be capable of adjustment therein; and a reinforcement strip, extending along the lower edge of said guard plate, transversely of said body member, and longitudinally of said runner blade.

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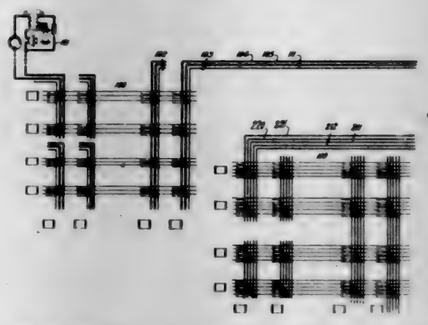
1,563,618. TELEPHONE-EXCHANGE SYSTEM. EARL S. GIBSON, Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 22, 1923. Serial No. 640,648. 8 Claims. (Cl. 179—27.)



1. The combination in a telephone system of a designation recording mechanism, impulse responsive means for setting up a record on said mechanism, a second recording mechanism, and a device consisting of relays for originating and sending code impulses to transfer the record from said first mechanism to said mechanism.

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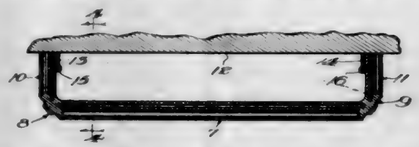
1,563,619. WINDOW CORNICE AND THE LIKE. WILLIAM GOODROW, Chicago, Ill. Filed July 10, 1925. Serial No. 42,716. 4 Claims. (Cl. 156—13.)

1. As a new article of manufacture, an ornamented frame comprising running strips together with corner or junction blocks located between the adjoining ends of said running strips and establishing connection between them, the exposed faces of all of said parts being suitably ornamented, each running strip comprising a pair of companion sections set together and secured in suitable fashion, said companion sections having companion semi-circular channels establishing circular perforations or holes extending throughout the entire length of the strip, the holes in each strip being parallel to each other throughout their length, and the holes in all of the



strips being equally spaced with respect to each other, the ends of the strips being cut at right angles to the holes aforesaid and the corner or junction blocks being seated squarely against said ends, together with dowel pins on the abutting faces of the different corner and junction blocks reaching outwardly therefrom at right angles, and spaced at the same spacing as the perforations of the strips aforesaid, substantially as described.

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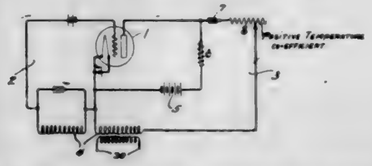
1,563,620. OSCILLATION GENERATOR. WILLIAM S. GORTON, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 4, 1921. Serial No. 466,660. 22 Claims. (Cl. 250—36.)



8. An oscillation generator comprising an electric discharge device having coupled input and output circuits including means to predetermine the amplitude of the oscillating current produced by the generator, and also automatically operative to substantially compensate variations in the amplitude of said current.

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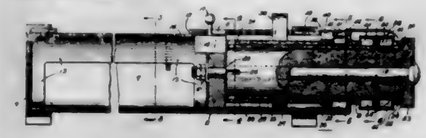
1,563,621. COMBINATION LOCK FOR PEN AND PENCIL SAFES. GEORGE W. GREEN, Beaumont, Calif. Filed Sept. 1, 1923. Serial No. 660,659. 10 Claims. (Cl. 70—53.)



1. A device of the character described comprising; a longitudinally slidable locking bar; concentric locking members in frictional engagement and having notches adapted to receive said bar; external means for rotating one of the members for thereby bringing the notches of any of said members into registry with said bar; and clutch means for severally holding said members so registered.

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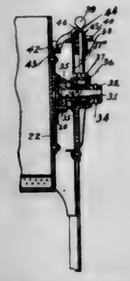
1,563,622. COMBINED CLUTCH AND LATCH MECHANISM. GEORGE HAAG, Peoria, Ill. Filed Apr. 14, 1924. Serial No. 706,286. 3 Claims. (Cl. 192—148.)

1. In a device of the class described, in combination, a reversibly moving tub member, power means for operating said tub, clutch mechanism providing optional en-

gagement of the tub and power mechanism, a hand lever adapted to operate said clutch mechanism and a latch member pivoted on said hand lever and adapted to locate



the tub portion in a fixed position when said hand lever is in a non-clutched position as well as lock the hand lever against accidental movement.

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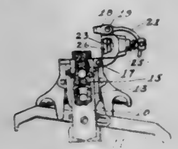
1,563,623. WRINGER. ALBERT R. HAAG, Peoria, Ill. Filed July 25, 1924. Serial No. 728,078. 5 Claims. (Cl. 68—32.)



1. A wringer having in combination, a main frame, a top frame member hinged to the main frame and swingable laterally thereof, a pair of compression rollers mounted in said main frame, vertically movable bearings for the upper of said rollers, means for applying tension to said upper roller, the said tension applying means including a spring bar mounted in the top frame member and having the ends thereof in line with the movable bearings of the upper roller, whereby upward movement of said bearings produced by separation of the rollers is resisted by said spring bar when the top frame member is in operative position, and means on the upper frame member for limiting the impinging action of the spring bar upon the movable bearings when the compression rollers are in contact with each other.

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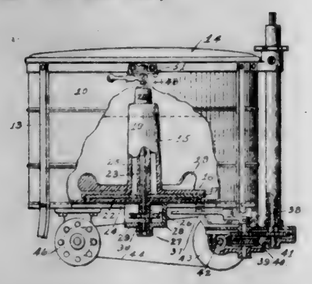
1,563,624. WASHING MACHINE. ALBERT R. HAAG, Peoria, Ill. Filed July 25, 1924. Serial No. 728,079. 13 Claims. (Cl. 259—101.)



1. In a washing machine, in combination, a clothes container, an agitator therein, a member extending upwardly from the agitator member to a point above the normal water level therein fashioned at its upper end to provide a driving connection for agitator operating means, a driving member for said agitator extending upwardly through the bottom of the container and fashioned at its upper end for detachable driving connection with the extension from the agitator member, means for reciprocating the agitator driving member, and a supporting and guard element interposed between the agitator and the bottom of the tub to prevent the entrance of extraneous matter beneath the agitator.

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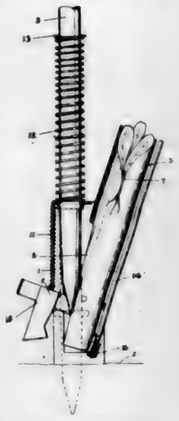
1,563,625. TRANSPLANTER. LANDO C. HARRY, Casco Township, Allegan County, Mich. Filed June 17, 1922. Serial No. 568,941. 1 Claim. (Cl. 111—4.)



In a transplanter, the combination of a base frame adapted to rest upon the ground, a dibble mounted to reciprocate on said base and constituting a handle, a return spring for said dibble, a plant chute mounted on said base, a presser foot pivotally mounted on said base and projecting to be actuated by the foot of the operator, and a return spring for said presser foot.

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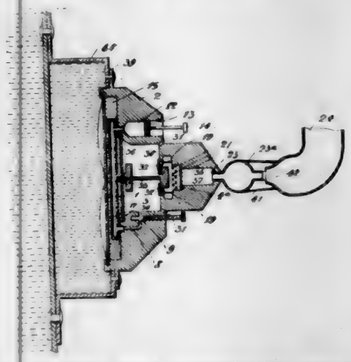
1,563,626. SOUND-SIGNALING DEVICE. HEINRICH HECHT, WILHELM RUDOLPH, and HUGO LICHTE, Kiel, and WALTER HAHNEMANN, Kitzberg, near Kiel, Prussia, Germany, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Filed Jan. 5, 1921. Serial No. 435,292. 32 Claims. (Cl. 84—0.5.)



30. In subaqueous sound communication apparatus, a plurality of vibratory bodies, a chamber containing gas for coupling said bodies together by gas pressure, and means for relieving said pressure at certain frequencies of vibration.



1,563,627. SYRINGE AMPUL, PISTON, AND PISTON-PACKING CONSTRUCTION. GEORGE N. HEIN, San Francisco, Calif. Filed Dec. 23, 1924. Serial No. 757,657. 4 Claims. (Cl. 128—218.)

1. A piston for hypodermic syringes including an elongated phial provided with an outlet at one end, yieldable closure therefor fitted over the end thereof and extending downwardly over the sides of the phial, said closure having a flap portion for frictionally engaging the syringe barrel wall and adapted for movement outwardly to admit of the discharge of the phial contents.

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1,563,628. DRY CELL. WILLIAM F. HENDRY, Ossining, N. Y., assignor to The Manhattan Electrical Supply Company, New York, N. Y., a Corporation of Massachusetts. Filed May 26, 1923. Serial No. 641,696. 4 Claims. (Cl. 136—126.)

1. In a dry cell, a cylindrical casing of zinc held together by one edge being folded over the opposite edge of a sheet of zinc, and an insulating coating covering the inside edge of the zinc throughout its length.

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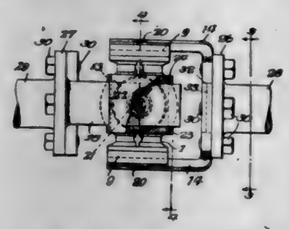
1,563,629. UNIVERSAL JOINT. WILLIAM T. HENSLEY, Indianapolis, Ind. Filed Dec. 19, 1919, Serial No. 345,969. Renewed July 2, 1925. 23 Claims. (Cl. 64—102.)



1. In a universal joint, the combination of a hollow body to form a lubricating chamber, forks having trunnion bearings on said body, crossed members arranged within said body and extending into said trunnion bearings, and screws inserted in the ends of said members, at least one of said forks being provided with openings for the heads of two of said screws, so that these two screws are insertable and removable through the prongs of this fork, and the four screws constituting the means for binding the crossed members and the trunnion bearings in assembled relation.

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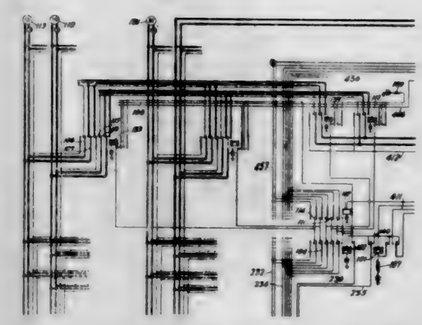
1,563,630. TELEPHONE SYSTEM. EDWARD E. HINRICHSEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1920. Serial No. 433,751. 12 Claims. (Cl. 179—27.)



1. In a telephone system, a direction switch for controlling the establishment of connections to different lines, a pointer for said switch, and a plurality of points with which said pointer cooperates, each of said points being associated with a plurality of lines and means for causing the establishment of connections to different lines by causing said pointer to approach said points in different manners.

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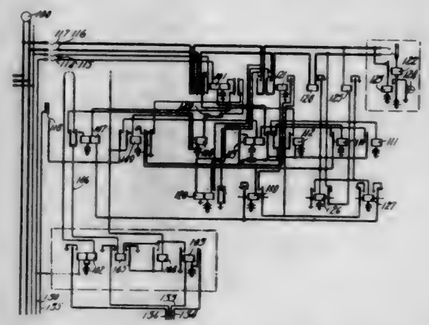
1,563,631. TELEPHONE SYSTEM. EDWARD E. HINRICHSEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 25, 1923. Serial No. 653,631. 4 Claims. (Cl. 179—27.)



1. In a telephone system, lines, link circuits and trunks, switches for extending said lines to said links, switches for extending said links to said lines, other switches for extending said lines to said trunks, means responsive both to a series of N impulses and to a single

impulse followed by a series of N impulses for moving said second mentioned switches to a definite point and responsive to a plurality of series of single impulses for causing the actuation of one of said other switches.

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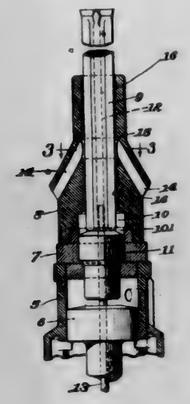
1,563,632. PNEUMATIC DRILL. CHARLES A. HULTQUIST, Los Angeles, Calif. Filed July 31, 1922. Serial No. 578,681. 1 Claim. (Cl. 121—10.)



A pneumatic drill comprising a cylinder, a piston working in the cylinder, a chuck connected with the cylinder and having an anvil chamber therein, an anvil for the anvil chamber projecting into the bore of the cylinder, air leaking from the cylinder into the anvil chamber to maintain pressure above atmospheric in the anvil chamber, and a drill steel engaging the chuck and having a duct for conveying water to the hole that is being drilled, the anvil chamber being closed against escape of air therefrom excepting past the drill steel and the escaping air preventing sludge from running down the drill steel into the anvil chamber, and the chuck being provided with an exhaust port opening from its bore to the atmosphere at a point between the outer end of the chuck and the anvil chamber to permit discharge of air and sludge from the bore of the chuck.

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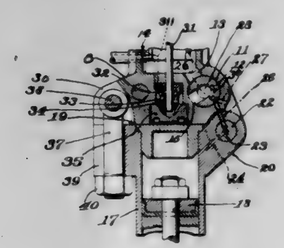
1,563,633. PNEUMATIC DRILL. CHARLES A. HULTQUIST, Los Angeles, Calif. Filed Aug. 14, 1922. Serial No. 581,633. 3 Claims. (Cl. 121—8.)



1. In a pneumatic drill, the combination of a valve block having a water supply duct, a cylinder connected with the valve block, a hammer in the cylinder, a water tube receiving water from said duct and extending through the hammer and detachably engaging the valve block to supply water to the drill, a feed cylinder hingedly connected to the valve block, the hinge connection having a duct, the feed cylinder having a duct connecting its bore wth the second duct, the valve block having a valve chamber and having a duct connecting said chamber with the second duct, there being a port in the valve block connecting the valve chamber with the bore of the first cylinder, a plunger in the feed cylinder, a valve in the valve chamber controlling the port and the duct in the valve block, and means to hold the valve block closed upon the feed cylinder.

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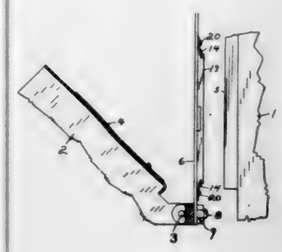
1,563,634. PAPER PERFORATOR. STEPHEN J. JACOB, Appleton, Wis. Filed Dec. 26, 1924. Serial No. 758,025. 13 Claims. (Cl. 164—98.)



1. In a perforating device having a reciprocatory perforating blade, a gripper plate provided with means for resiliently supporting said blade and having one side cut away to provide a recess within which said blade may reciprocate, whereby printing may be done in close proximity to said blade.

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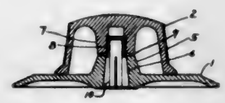
1,563,635. MEANS FOR SECURING KNOBS AND DIALS TO INSTRUMENT SHAFTS. HENRY J. KASCH, Dayton, Ohio, assignor to The Kury-Kasch Company, South Broadway, near Dayton, Ohio, a Corporation of Ohio. Filed July 3, 1924. Serial No. 723,951. 1 Claim. (Cl. 287—53.)



In a device of the type described, the combination with a shaft, of a knob and a dial for conjoint use in turning the shaft, the dial having a tapering axial hole and the knob having a tubular extension adapted to be brought over said hole, a loose bushing having a lower tapered, split end adapted to be forced through said hole, and having its upper end threaded for connection with the tubular extension on the knob, whereby when the knob is turned, the tapered end of the bushing will be drawn tightly against the shaft, for the purpose specified.

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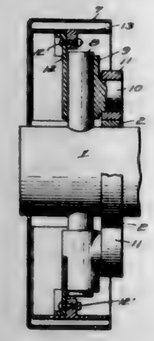
1,563,636. FRICTION BRAKE. WILLIAM H. LEWIS, Bandon, Oreg. Filed Nov. 18, 1924. Serial No. 750,566. 2 Claims. (Cl. 188—78.)

1. A friction brake comprising a support, a casing mounted concentrically thereon, a ring mounted for turning movement upon the support, and provided with eccentrically disposed portions, means for turning the ring, means for returning the ring to normal position, shafts carried by the support, sleeve slidably mounted upon the shaft and having studs, rollers journaled upon the studs



and bearing against the ring, supporting plates carried by the sleeves, shoes carried by the supporting plates, and traction springs connecting the shoes together.

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1,563,637. RAILWAY-CROSSING GUARD. PAUL A. LUNDBLAD, Linden, Calif. Filed Feb. 24, 1925. Serial No. 11,143. 2 Claims. (Cl. 39—6.)

2. A railway crossing guard structure for highways comprising a flat plate member adapted to extend across a highway substantially level therewith, said plate having a plurality of transversely spaced slots extending lengthwise of the highway, a turnable shaft supported from and under the plate at one end of the slots, teeth fixed on the shaft and adapted to seat in the slots, means applied to one end of the shaft for turning the same to cause the teeth to be raised to a predetermined angle, and independent means acting to cause the teeth to be lowered to a seating position in the slots when the raising means ceases to function.

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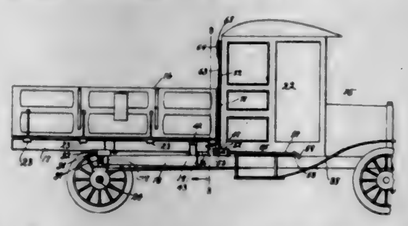
1,563,638. UNIVERSAL MOUNTING AND HOIST FOR DUMPING-TRUCK BODIES. WALLACE H. MCCORMICK, Streator, Ill. Filed Aug. 14, 1922. Serial No. 581,782. 10 Claims. (Cl. 298—19.)



8. The combination with the winding shaft of a hoist for dumping truck bodies, of a ratchet wheel on the shaft adjacent the side of the truck cab, a lever and pawl having angular movement about the shaft with the pawl cooperating with the shaft to turn the shaft, and a hinge joint in said lever to permit the outer end of the lever to be swung away from the cab.

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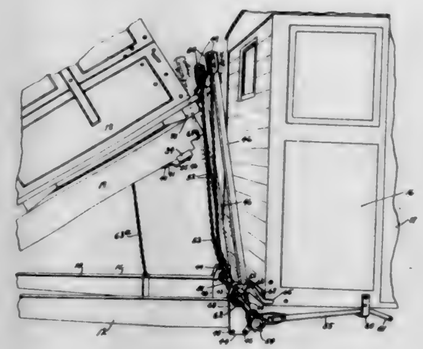
1,563,639. DUMPING MECHANISM FOR TRUCK BODIES. WALLACE H. MCCORMICK, Streator, Ill. Filed May 5, 1923. Serial No. 636,891. 8 Claims. (Cl. 298—19.)



4. In a device of the class described, a chassis frame, a body pivoted thereon, mechanism for hoisting one end of said body, said mechanism including a rotatable hoisting shaft, a ratchet wheel thereon, a crank having a slot within which said shaft engages, a pawl carried by said crank for engaging said ratchet wheel, a spring engaging said crank, and a clip on said body for engaging said crank and holding the same against the tension of said spring.

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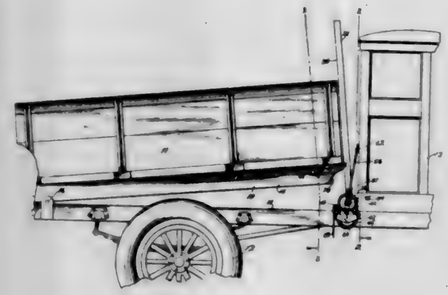
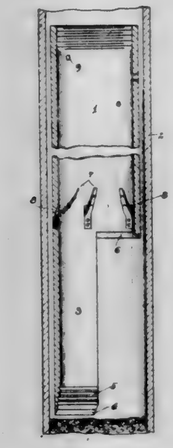
1,563,640. HOIST FOR DUMPING TRUCKS. WALLACE H. MCCORMICK, Streator, Ill. Filed Feb. 21, 1924. Serial No. 694,213. 5 Claims. (Cl. 298—19.)



3. A hoisting mechanism for dumping vehicles comprising body elevating mechanism, including a winding drum, means for operating said mechanism comprising a series of power multiplying gears connected to said drum, a stub shaft having one end slidably journaled in said drum, a pinion on said shaft for driving said gears, means for releasably holding said pinion in mesh with one of said gears and a crank for rotating said stub shaft.

1,563,641. FISHING TOOL FOR UNDERREAMER BITS. WILLIAM IRA MCLAUGHLIN, Oakland, Calif., assignor to Standard Oil Company, San Francisco, Calif., a Corporation of California. Filed Feb. 7, 1923. Serial No. 617,525. 8 Claims. (Cl. 294—99.)



1. A fishing tool comprising a cylindrical body and a plurality of laminated prongs imbedded in pockets in said body.

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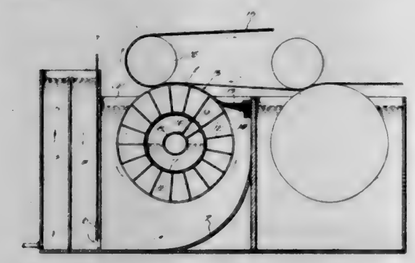
1,563,642. PROCESS AND APPARATUS FOR PRODUCING WATERPROOFING MATERIAL AND PRODUCT PRODUCED THEREBY. THOMAS W. MORSE, Ridgefield Park, N. J., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 4, 1922. Serial No. 541,118. 3 Claims. (Cl. 92—41.)



1. A process for producing waterproofing material, consisting in forming a sheet from fibrous stock on a forming cylinder, imposing a layer of waterproofing material in the form of an emulsion on the surface of the sheet immediately subsequent the forming operation, and intimately combining the waterproofing and the sheeted stock by subjecting the coated and formed sheet to a local vacuum action at or immediately subsequent to the imposition of the waterproofing material on the sheeted surface.

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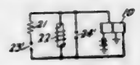
1,563,643. TELEPHONE SYSTEM. JAMES B. NEWSOM, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 15, 1923. Serial No. 680,808. 18 Claims. (Cl. 179—27.)

1. In a telephone system, an impulse circuit, an impulse sender therefor, an impedance element in said circuit, means for short-circuiting and impedance during a desired period, and means for including a resistance in



parallel with said impedance element for a short interval after the short-circuit has been removed.

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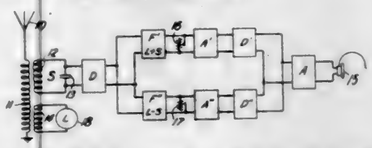
1,563,644. WAVE-RECEIVING SYSTEM. HAROLD W. NICHOLS, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 13, 1924. Serial No. 755,600. 6 Claims. (Cl. 250—20.)



1. The method of receiving signals which comprises combining incoming signal waves with locally generated oscillations of a different frequency, selecting the resultant sum and difference frequency components, separately detecting said components and combining and indicating the detected waves.

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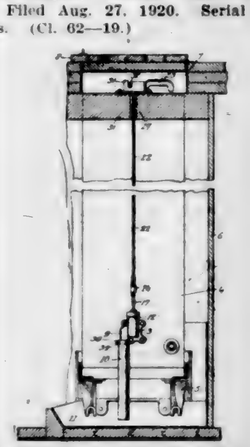
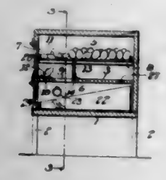
1,563,645. VALVE FOR BRINE TANKS. ARTHUR F. O'CONNOR, Chicago, Ill., assignor to Union Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 27, 1920. Serial No. 406,483. 10 Claims. (Cl. 62—19.)



10. In a refrigerator car, the combination of a tank having an outlet, a valve controlling said outlet comprising a casing having a valve seat, a valve member adapted to engage said seat, a valve stem connected with said valve member and projecting through said casing, a spring mounted between the casing and said valve member constantly urging said valve member toward the seat, and means for raising the valve member against the resistance of the spring, comprising a fulcrum member having spaced bearings, a lever fulcrumed in said bearings and having an intermediately located pintle, a rod having a hook engaging said pintle and connected with said valve stem, and means for limiting the movement of said lever in both directions but permitting the same to swing past center, whereby said valve is held open against the resiliency of said spring in one position of said lever and is held closed by said spring in the other position of said lever.



1,563,646. INCUBATOR. ABSALOM F. PEARSON, Mountain View, Calif., assignor of one-half to Robert D. Pearson, Los Angeles, Calif. Filed Mar. 11, 1924. Serial No. 698,545. 4 Claims. (Cl. 119—30.)



1. An incubator comprising an egg chamber, a nursery chamber below said egg chamber, there being an opening in the wall dividing said chambers through which the hatched chicks pass from said egg chamber into said nursery chamber, means for heating said egg chamber and said nursery chamber, said dividing wall forming a shelf adjacent said opening in said egg chamber onto which the hatched chicks drop before dropping through said opening into the nursery chamber below.

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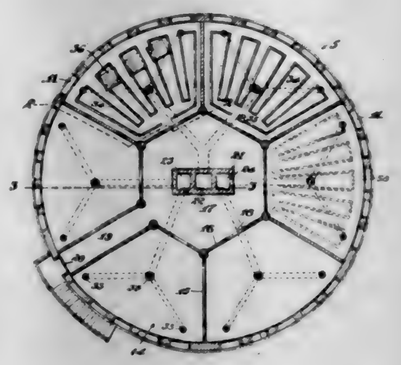
1,563,647. INCUBATOR. ELMER PEMBERTON, Hyde Park, Calif. Filed Jan. 10, 1921. Serial No. 436,225. 2 Claims. (Cl. 119—35.)



1. In an incubator, a compartment having a top wall, a bottom wall, and side walls; said side walls having openings throughout adjacent to the top wall to permit the flow of air across the upper portion of the compartment from the exterior thereof, a heating element in the lower portion of said compartment, and means for creating a downward tendency of the air in said compartment.

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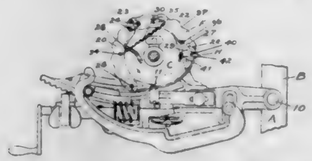
1,563,648. BUNCH-BUILDING SPINNING-FRAME CAM. CLARENCE A. PIERCE, Lowell, Mass. Filed Aug. 31, 1925. Serial No. 53,551. 2 Claims. (Cl. 242—43.7.)

1. The combination in a spinning frame having a builder cam and a builder arm with a cam follower in engagement with said cam; of a pin carried by the builder cam; with an auxiliary cam comprising a plurality of segments pivoted together end to end, the end of one segment being so pivoted to the builder cam that the segments can swing inside the rim of the builder cam and the free end of the last segment being adapted to engage said pin; spring means to keep said



collapsible cam normally collapsed; and a trigger carried by the builder cam in position to engage the cam follower and to disengage the collapsible cam from said pin.

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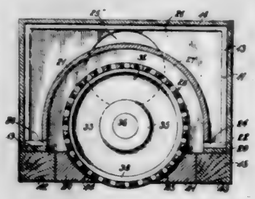
1,563,649. SUCTION BOX. MARLO D. PIGMAN, Middletown, Ohio. Filed June 14, 1924. Serial No. 720,050. 5 Claims. (Cl. 92—51.)



1. A suction box comprising, in combination, inner and outer spaced casings providing a chamber therebetween, means to apply suction to said chamber, a foraminous roller housed within said inner casing, means for communication between the interior of said inner casing and said chamber, said roller adapted to be operated in contact with the web of a paper making machine.

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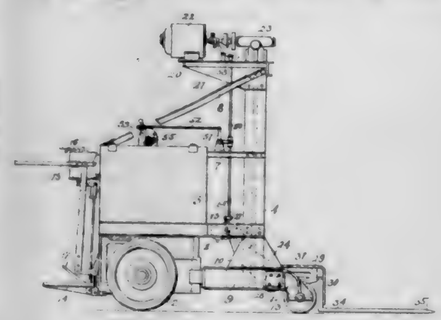
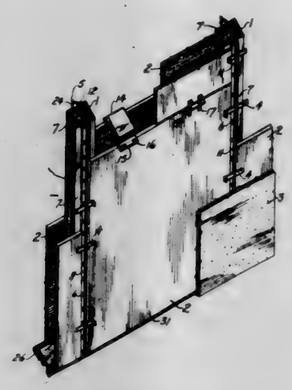
1,563,650. INDUSTRIAL TRUCK. HENRY T. PLAINES, Cleveland, Ohio, assignor to The Lakewood Engineering Company, Lakewood, Ohio, a Corporation of Ohio. Filed Dec. 7, 1922. Serial No. 605,376. 24 Claims. (Cl. 214—65.)



1. In a truck, a frame having front and rear supporting wheels, a guide standard fixed to the frame toward the rear end thereof, a carrier movable upon said standard and guided thereby, said carrier having a rearwardly projecting portion extending downwardly at the rear end of the frame and adapted to straddle the rear supporting wheels, said rearwardly projecting portion terminating in a load receiving platform adapted to be moved into close proximity to the supporting surface, and means for raising and lowering the carrier.

1,563,651. INTERLOCKING SHEET-STEEL FRAME FOR ANCHORAGE OF PLASTER BOARDS. ISADORE POMERANTZ, St. Louis, Mo., assignor to Walter F. Sheehan, St. Louis, Mo. Filed Dec. 26, 1923. Serial No. 682,652. 15 Claims. (Cl. 72—115.)



11. In a studding construction, a sheet metal stud having parallel sides, outwardly directed tongues formed upon said sides having parallel side portions and grooves in said side portions.

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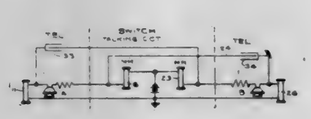
1,563,652. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 18, 1922. Serial No. 530,115. 13 Claims. (Cl. 179—18.)



7. In an automatic telephone system, a plurality of telephone lines, a substation having a transmitter for each telephone line, an automatic switch individual to each telephone line for extending said telephone line to any of the other lines, means for directively operating each automatic switch, a common source of current, and circuits for connecting said source of current to the transmitters of a completed telephone connection, said circuits each including a current feed coil and a winding of an induction coil at each of the substations of the telephone connection.

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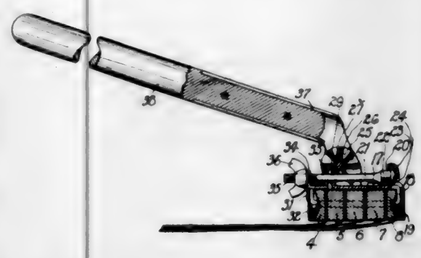
1,563,653. MOP AND HANDLE THEREFOR. EDWARD PRENDERGAST, St. Louis, Mo. Filed June 16, 1924. Serial No. 720,233. 2 Claims. (Cl. 15—228.)

1. A mop composed of a series of slats adapted to lie side by side, mopping material wrapped around each slat, a sharpened pin located in each end of the outer slats and adapted to pass through aligned openings in the intermediate slats, said pins pointing in opposite directions and being spaced apart from each other, the said outer slats being provided with depressions intermediate their ends, an adjustable clamping mechanism provided with jaws located in said depressions and engaging the same intermediate the top and lower edge of the slats, a bolt for drawing said jaws toward each other and against



the slats for holding the same firmly together, and an adjustable handle pivotally carried by said clamping mechanism.

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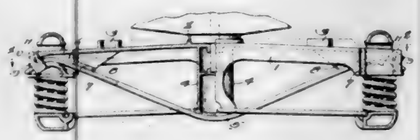
1,563,654. TRUCK BOLSTER. HERMAN C. PRIEBE, Blue Island, Ill. Filed Dec. 19, 1924. Serial No. 757,037. 6 Claims. (Cl. 105—229.)



1. A truck bolster including the center bearing carrying member thereof having sleeves at its ends; a strut member underlying the aforesaid member; a strap underlying the strut member and extending at its ends into said sleeves; keys passing through the ends of said strap and engaging said sleeves; and removable pins passing through said keys, the center bearing carrying member having forked continuations through which said keys pass and which overlie said pins.

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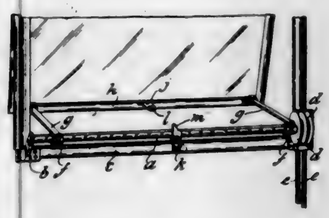
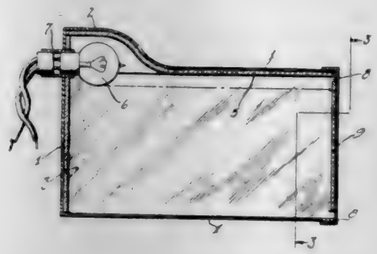
1,563,655. MECHANISM FOR OPENING AND CLOSING CASEMENT WINDOWS. RUFUS WILLIAM PRIOR, Braintree, England, assignor to The Crittall Manufacturing Company, Limited, Braintree, England. Filed Apr. 16, 1925. Serial No. 23,561. 2 Claims. (Cl. 268—20.)



1. A casement window having a fixed frame, an opening frame, a screw journalled in the fixed frame, a nut on the screw, a connection between the nut and the opening frame, a spring blade on the opening frame, a peg on the fixed frame, and a lug on the screw adapted to engage with the spring blade.



1,563,656. AUTOMOBILE HEADLIGHT. MAX P. E. RADLOFF, Hustisford, Wis. Filed Mar. 24, 1924. Serial No. 701,450. 1 Claim. (Cl. 240—41.)



A headlight comprising a casing of rectangular cross-section and having an extension at its upper rear edge, the front part of the casing being provided with a glazed opening, an electric light bulb disposed in said extension above the upper edge of the glazed opening, the sides, rear and upper inner faces of the casing being provided with light reflecting surfaces.

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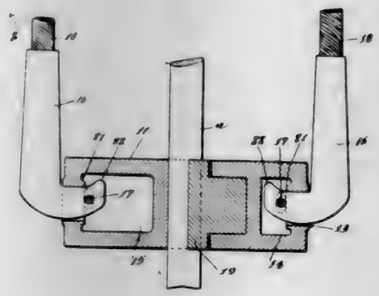
1,563,657. BAIL CONSTRUCTION FOR GRIPS AND THE LIKE. JAMES P. RATIGAN, Walnut Park, Calif. Original application filed June 21, 1924, Serial No. 721,607. Divided and this application filed Apr. 20, 1925. Serial No. 24,648. 3 Claims. (Cl. 294—91.)



1. A bail construction for grips and the like, comprising a body having cavities near its opposite ends and openings communicating with the cavities, hook-shape links projecting through the openings, the tips of said links extending into the cavities, and suspension cables secured to the links and permitting of independent canting of the links in the operations of attaching and detaching said links.

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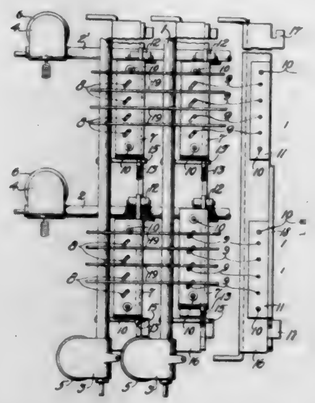
1,563,658. LINE SWITCH. CHARLES D. RICHARD, West New Brighton, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 1, 1922. Serial No. 565,185. 6 Claims. (Cl. 179—27.5.)

1. In a switch structure, a plurality of sets of stationary conductors arranged in horizontal rows, a plurality of sets of movable contacts arranged in vertical rows for cooperation with said stationary conductors,



and insulative mounting blocks one for each of said sets of movable contacts mounted on said structure and separately removable therefrom.

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1,563,659. GARMENT-DISPLAY RACK. ROBERT J. RIORDAN and JOSEPH P. HANLEY, Chicago, Ill.; said Riordan assignor to said Hanley. Filed Jan. 9, 1920. Serial No. 350,888. 7 Claims. (Cl. 211—13.)

1. In a garment display rack the combination of a pair of main frames, connected together to permit same to be collapsed and extended, a plurality of supplemental frames secured to one of said main frames, a support for the main frames, said support also being collapsible, and extensible, and means connecting said support and supplemental frames whereby said supplemental frames are collapsed and extended when said support is collapsed or extended.

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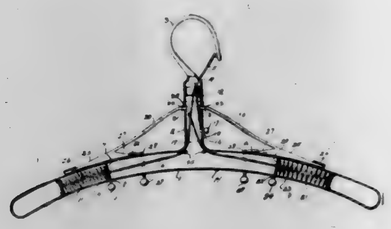
1,563,660. GARMENT HANGER. BENJAMIN A. RUBIN, Chicago, Ill. Filed Jan. 15, 1924. Serial No. 686,375. 9 Claims. (Cl. 211—13.)

1. A garment hanger comprising an elongated hollow member, a supporting hook carried thereby, a rod slid-

ably disposed within the hollow member and closing the hook member when extended to lock the same on a support, means for drawing said rod inwardly of the hollow member to move the same into open position, and means for normally maintaining said rod in extended position.



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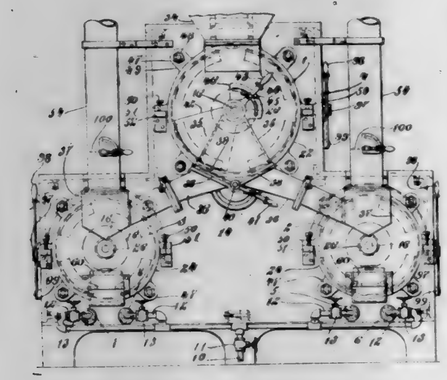
1,563,661. PEANUT DRYING AND ROASTING APPARATUS. HUNTINGTON D. SAWKINS, Baltimore, Md. Filed May 20, 1925. Serial No. 31,487. 11 Claims. (Cl. 34—5.)



1. The combination in an apparatus for drying and roasting peanuts impregnated with brine in the shell, comprising a drying cylinder with means for draining the same, a roasting cylinder below the drying cylinder, means below the roasting cylinder for heating the roasting cylinder, means for agitating the contents of the cylinder, the cylinders being offset to prevent access of water from the upper to the lower cylinder.

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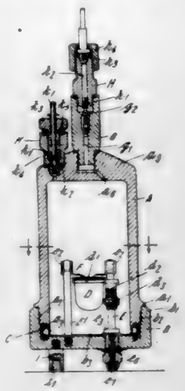
1,563,662. CALORIMETER. GEORGE ERNEST SCHOLES, Birkenhead, England. Filed Mar. 23, 1925. Serial No. 17,830. 20 Claims. (Cl. 73—184.)

1. In a calorimeter of the bomb type in combination;—an open ended containing shell; a seating formed at the open end of the shell; a cap adapted to close the open end of the shell; a seating formed on the interior surface of the cap; attachment means between the cap and the shell adapted to hold the cap in closed position with the two said seatings in definite relationship; a flexible ring adapted to make contact with the two respective seatings when the cap is in its closing position so that when the interior of the bomb surface is subjected to pressure the ring is pressed onto the seatings; means



for admitting gas to the interior of the bomb; means for supporting the substance to be tested; and means for igniting the substance.

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1,563,663. BEARING. RALPH L. SEABURY, Toledo, Ohio. Filed Dec. 3, 1920. Serial No. 428,082. 4 Claims. (Cl. 308—239.)

1. A bearing comprising a shell, and a plurality of helixes of different materials having their coils alternating and held in assembled relation by said shell, one of said helixes being of metal and the other of relatively soft material and said helixes being under relatively great initial compression whereby the several coils are closely compacted.

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1,563,664. METHOD OF MAKING PIPE COUPLINGS. JOHN H. SENNETT, Woodlawn, Pa. Filed May 11, 1923. Serial No. 638,191. 1 Claim. (Cl. 29—156.)

The method herein described of producing a welded steel pipe coupling which consists in shaping and welding a steel blank whose interior radius is less than the minimum interior radius of the finished article by an amount not less than the depth of flaws in the welded seam, boring out the blank to the depth of such flaws and sinking a thread in the so bored-out blank.

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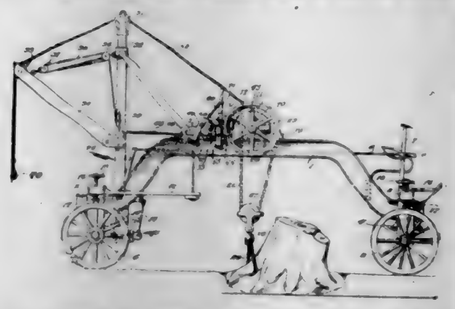
1,563,665. STUMP PULLER. THOMAS M. SHORT, Camden on Gauley, W. Va. Filed Mar. 29, 1924. Serial No. 702,798. 8 Claims. (Cl. 254—166.)

1. In an apparatus for the purpose set forth, the combination of a truck, a windlass mounted thereon, a spur wheel connected with one end of the windlass, a pivot rod on the truck adjacent the spur wheel, a link depending from said pivot rod, a lever pivoted to the lower end of said link, a toothed head on the end of the



lever adapted to engage the spur wheel, and a pawl movable with the lever and projecting upwardly therefrom and adapted to engage the spur wheel.

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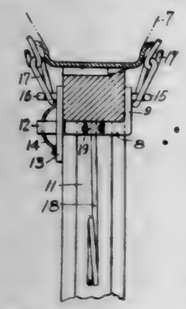
1,563,666. ANTISKID DEVICE. FREDRICK SIEVERN, McKeesport, Pa. Filed July 2, 1925. Serial No. 41,023. 4 Claims. (Cl. 152—14.)



1. The combination with a vehicle wheel, of an antiskid device comprising a yoke having relatively movable parts which are adapted to engage the sides of the felly of a wheel, and a yieldable connecting member holding said parts in engagement with the sides of said felly, the said parts being adapted to support the ends of a tread chain.

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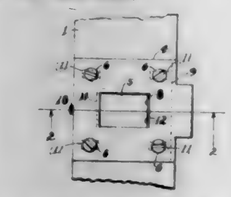
1,563,667. STRIKER PLATE. ROBERT SMITH, near San Jose, Calif. Filed Oct. 2, 1924. Serial No. 741,252. 1 Claim. (Cl. 292—340.)



A striker plate consisting of a plate having a latch receiving opening formed therein and an end portion formed at right angles to the plane of said opening, said end portion having an orifice formed therein, and means for securing said plate to a door jamb, a second plate slidably mounted against the inner side of said first plate and having its central portion cut and bent back to form two parallel flanges and to form a latch receiving opening therein and having slots therein to receive said securing means, one of said flanges normally being in alignment with one edge of said latch receiving opening, and the other flange being threaded to receive a screw, and a screw slidably engaging the orifice in the first mentioned plate and threaded into the last mentioned flange on the second mentioned plate.

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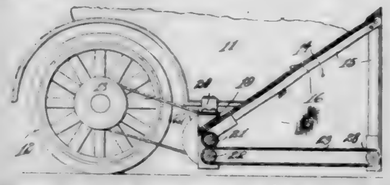
1,563,668. GRASSHOPPER EXTERMINATOR. VIRGIL S. SMITH and WALTER E. CLARKE, Yale, Okla. Filed Nov. 26, 1924. Serial No. 752,397. 1 Claim. (Cl. 48—138.)



The combination with a vehicle and the rear wheel thereof, of a tapering open-ended receptacle mounted on the side of the vehicle with the larger end directed forwardly to receive insects, crushing rollers mounted in the smaller end of the receptacle, driving means beween the said rear wheel and the crushing rollers, a roller mounted in the larger end of the receptacle, and an endless belt engaged with the last-named roller and the lower of the crushing rollers.

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1,563,669. EXTENSIBLE-CRANK ELEMENT. SIMON SNYDER, Muncy, Pa., assignor to Sprout, Waldron & Co., Muncy, Pa., a Corporation of Pennsylvania. Filed Jan. 17, 1924. Serial No. 686,921. 10 Claims. (Cl. 74—38.)

1. An extensible crank element comprising separable recessed plates, one of said plates having oppositely and eccentrically disposed substantially semi-circular ribs confronting another plate provided with a hub for mounting on the end of a shaft and a crank-arm diametrically disposed and guided between said plates having grooves within which the ribs of said first named plate are adapted alternately to engage and move said crank-arm when said plates are rotated in relatively opposite directions.

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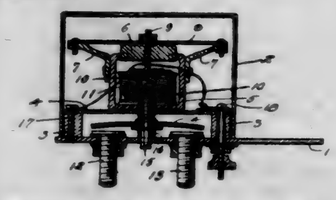
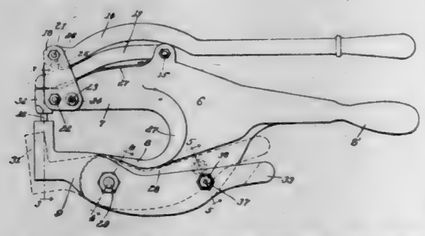
1,563,670. ELECTROMAGNETICALLY-OPERATED STARTER SWITCH. LEON C. SPENCER, Ogden, Utah. Filed June 10, 1924. Serial No. 719,155. 3 Claims. (Cl. 200—87.)



1. An electric switch comprising circuit closing elements including a bridging member yieldingly held from engagement with contact members, a substantially U-shaped frame having the ends of its side members inturned, an electromagnet mounted upon said frame and having an opening through its core, an armature directed in its movements by the inturned ends of the said frame, an element connected to said armature and passing

through the opening of the core of the electromagnet and adapted to actuate said bridging member into engagement with the contact members.

1,563,671. PUNCH. GEORGE H. SPENGLER, Rockford, Ill., assignor to Frank Vander Bogart, Rockford, Ill. Filed May 31, 1924. Serial No. 716,863. 6 Claims. (Cl. 164—120.)



1. A punch comprising a head having an upper punch-carrying jaw and a lower jaw spaced apart to provide a comparatively wide mouth, punch operating means mounted on the head, a lever pivoted on the lower jaw and providing a supplemental lower jaw having a die-carrying portion extending across the mouth formed by said upper and lower jaws with the die therein normally close to and aligned with the punch, and means for releasably holding the lever in an operative position with its die-carrying portion in alignment with the punch in order to permit swinging the supplemental jaw away to make the wider space between the main jaws available for entering a piece of work.

1,563,672. DUO-CORD TIRE CONSTRUCTION. THOMAS BENTON STOVER, Winona, Minn., assignor to Stover Rubber Co., a Corporation of Illinois. Filed Oct. 6, 1922. Serial No. 592,702. 3 Claims. (Cl. 154—14.)

1. A process of manufacturing tire casings comprising treating cord material with rubber by a calendering process, then skimming both sides for the first ply of cord material, then adding bead filler strips adjacent the outer edges of the first ply of cord material, then adding a second ply of cord material which has been frictioned only, adding chafing strips of fabric along the bead filler strips to prevent rubber from working around the strips to prevent chafing thereabouts, and adding breaker strips and tread stock to complete the carcass of the tire.

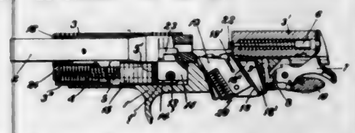
1,563,673. PROCESS FOR IMPERMEABILIZING SUBSTANCES FOR ABSORBING GAS. ERNEST AUGUSTE GEORGE STREET, Levallois-Perret, France, assignor to Société Anonyme le Carbone, Levallois-Perret, France. Filed June 30, 1922. Serial No. 571,926. 10 Claims. (Cl. 136—86.)

1. A process for impermeabilizing gas absorbing substances and particularly porous electrode substances for batteries and electrolyzers consisting in applying on the porous body a non-metallic colloidal solution, in concentrated state, so that, by reason of the adsorbent properties of the porous body, the slight quantity of uncombined water contained in the colloidal layer may be absorbed and that the latter will form a pectized covering impenetrable to liquids.

1,563,674. SURGICAL KNIFE. ALEXANDER A. S. STUART, Bethlehem, Pa. Filed Sept. 8, 1924. Serial No. 736,669. 8 Claims. (Cl. 30—9.)

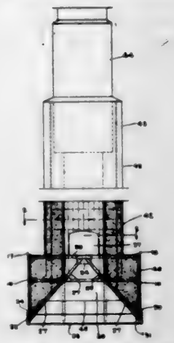
1. A knife comprising a handle formed at its blade-receiving end with a blade-receiving portion of less thickness than the body of the handle, inwardly extending flanges along the edges of said blade-receiving portion to form blade-receiving grooves, a rigid locking stop projecting from the inner portion of said blade-receiving portion, an aperture being formed through the handle inwardly beyond the locking stop, and a blade formed with a tail-piece adapted to fit snugly in the grooves formed by the said flanges on the handle and provided with an opening to receive the locking stop on the handle, the end of said tail-piece lying within the aperture in the handle when the blade is locked in position.

1,563,675. AUTOMATIC PISTOL. GEORGE H. TANSLEY, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 29, 1924. Serial No. 695,916. 13 Claims. (Cl. 42—3.)



1. In a small caliber automatic pistol, the combination of the frame of a standard large caliber automatic pistol of the "locked" type, a smal caliber barrel mounted on said frame, and a "blow back" breech slide of similar configuration to, but of considerably less weight than, the breech slide of said standard pistol.

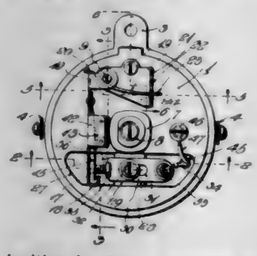
1,563,676. REENFORCED-CONCRETE FOUNDATION AND PIER AND METHOD OF SINKING THE SAME. CLAUDE A. P. TURNER, Minneapolis, Minn. Filed Oct. 6, 1921. Serial No. 505,902. 3 Claims. (Cl. 61—52.)



1. A foundation footing for piers comprising a structural steel cage having an outer periphery formed of vertical uprights and longitudinal members and other members extending upwardly and inwardly in an oblique direction from the lower edge of the outer periphery, steel plates secured to said members and forming a continuous cutting edge at the bottom thereof, reenforced concrete united with said cage to form a hollow block of concrete and steel provided with a cutting edge, and transverse bonding blocks of concrete extending across the opening within said block and provided with a V-shaped edge spaced above the plane of said cutting edge.



1,563,677. IGNITION BREAKER. WILLIAM F. WAGNER, Ambridge, Pa. Filed Sept. 1, 1923. Serial No. 660,615. 5 Claims. (Cl. 200—21.)



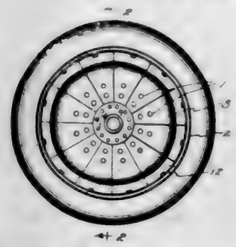
2. In an ignition breaker, a swinging arm having a pair of ears extending laterally in the same direction and provided with alined openings, a stationary support having a post received in said openings in a manner to permit easy sliding of said ears from said post, a helical torsion spring surrounding said post and confined between said ears to prevent relative movement of the arm and spring longitudinally of the post, said spring having one end engaged with said arm to swing the latter in one direction, the other end of said spring being extended to provide a tensioning arm, and a series of spaced overhanging abutments carried by said support for holding said tensioning arm in any desired adjusted position and for holding the spring and support against relative movement longitudinally of the post.

1,563,678. LEVEL DEVICE. ZENAS H. WILLIAMS, San Antonio, Tex. Filed Sept. 5, 1923. Serial No. 661,048. 2 Claims. (Cl. 33—214.)

1. In a device of the class described, a casing comprising a base and a flange outstanding from the base, a carrier, means for mounting the carrier pivotally at one end on the flange, said carrier being supplied at its opposite end with an arm which is curved on itself to form a resilient finger bearing frictionally against the inner surface of the flange, a holding device adjustable in the arm and adapted to bear against the flange to hold the carrier against movement, the flange having an elongated slot for the reception of the holding device, and a vial mounted on the carrier.

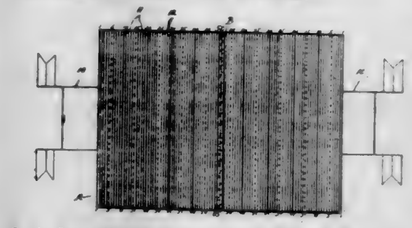
1,563,679. VEHICLE WHEEL. JOHN F. WILMOT, Detroit, Mich. Filed Apr. 11, 1923. Serial No. 631,304. 12 Claims. (Cl. 301—63.)

8. A vehicle wheel comprising a hub and a rim, a plurality of plates providing sectors duplicate in form attached to the hub and to the rim, the sectors lying in overlapping relation at the center and being secured one



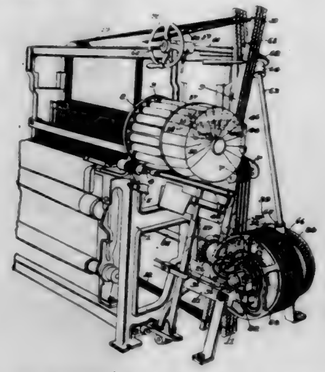
to the other between the ends, the area of adjacent sectors in overlapping relation decreasing from the hub toward the rim.

1,563,680. FOOTBALL GAME. OSCAR ZWIRNER, Hamtramck, Mich., assignor of one-half to William George Apolka, Detroit, Mich. Filed Jan. 26, 1925. Serial No. 4,868. 5 Claims. (Cl. 273—94.)



1. A football game comprising a game board marked with goals and yard lines to correspond with a real football field, a marker for designating the varying positions of the players on the board, a kick off die formed with a plurality of faces bearing relatively large numbers indicating the number of yards kicked, and a line plunger die formed of a plurality of faces bearing relatively small numbers indicating yardage gained and lost for determining the successive movement of the marker toward one of the goals.

1,563,681. SHEDDING MECHANISM FOR LOOMS. CARL D. BROWN, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 31, 1925. Serial No. 47,229. 7 Claims. (Cl. 139—56.)



1. In loom shedding mechanism, the combination of jack levers, heddle frames, means connecting the heddle frames and jack levers, cams for operating the jack

levers in the formation of sheds, an operating shaft for the cams, gearing connections between the operating shaft and cams including a clutch, a hand operated trip lever for disconnecting the clutch members and interrupting the driving connection with the operating shaft to free the cams, a reach shaft having gearing connection with the cams and extending to the loom arch, a manually operable shaft on the loom arch having gearing connection with the reach shaft, and a hand wheel disposed at the same side of the loom as the trip lever for operating the reach shaft when the trip lever has been manually operated to disconnect the clutch members.

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1,563,682. TREATMENT OF CHOCOLATE. JESSE BRYTE BARNITT, Jamaica, N. Y., assignor of one-half to Ralph H. McKee, New York, N. Y. Filed July 26, 1922. Serial No. 577,697. 10 Claims. (Cl. 99—11.)

1. The method of bleaching chocolate which consists in subjecting cocoa nib to the action of a solution of hydrogen peroxide, and then removing the cocoa nib from the solution.

10. The method of bleaching chocolate which consists in subjecting ground, roasted cocoa nib from which the cocoa butter has been largely expressed, to the action of a slightly alkaline solution of hydrogen peroxide, and then removing the cocoa nib from the solution.

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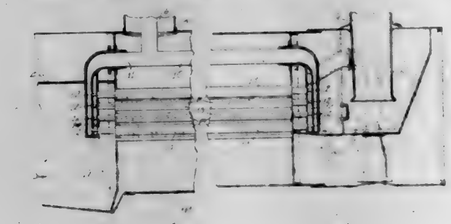
1,563,683. SUPERHEATER CONSTRUCTION FOR LOCOMOTIVES. FRANK ARNOLD BENOLKEN, Helena, Mont. Filed Sept. 12, 1924. Serial No. 737,333. 3 Claims. (Cl. 122—462.)



1. A superheater construction for locomotives comprising a front superheater extending into the smoke box, a rear superheater extending into the combustion chamber, and a common set of tubes between said superheaters for conducting the products of combustion.

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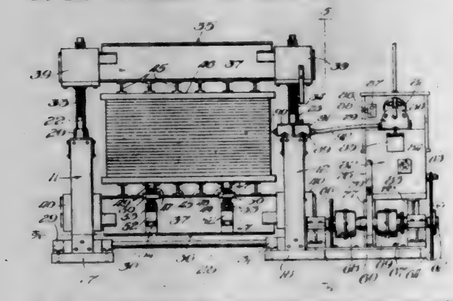
1,563,684. VENEER PRESS AND THE LIKE. JOHN E. BLACK, Mendota, Ill. Filed Jan. 2, 1925. Serial No. 220. 10 Claims. (Cl. 144—281.)



1. In a machine of the class described, the combination of upper and lower vertically movable press heads, vertical tension shafts adjacent to the ends thereof, said shafts having their end portions in oppositely threaded engagement with the adjacent press head ends whereby simultaneous rotation of both shafts causes movement of the press heads towards or from each other, an electric motor, a jack shaft operatively connected thereto, a pair of sprockets rotatably mounted on the jack shaft, a drive shaft, driving connections therefrom to both of the tension shafts, driving connections of unequal gear ratio from both of the sprockets to the drive shaft, clutch mechanism between the jack shaft and each sprocket enabling said sprockets to be selectively connected to the jack shaft, and suitable electric circuits for control of the motor including a reversing switch permitting reversal of motor direction, a magnetic limit switch adapted to open the circuit upon the flow of current in excess of a predetermined amount, an indicator operable according to volume of current delivered to the motor, and having its scale suitably graduated to indicate pressure exerted between the press heads, together with limit switches operable to open the motor circuit at extreme limits of movement of the press heads towards and from each other, substantially as described.

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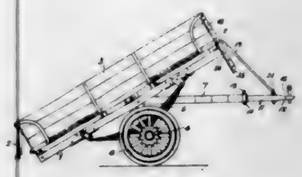
1,563,685. SELF-LOADING AND TIPPING WAGON. SIDNEY JAMES BOYS, Walsall, England. Filed Nov. 17, 1924. Serial No. 750,428. 10 Claims. (Cl. 298—20.)



1. A trailer for vehicles comprising a body, a single axle mounted in said body approximately at the centre of the trailer, an extensible drawbar pivotally attached to said body above said single axle and adapted to be secured at its free end to the vehicle and means connecting the vehicle end of the drawbar to the front end of the trailer body so that when the drawbar is closed by backing the vehicle, the trailer body is tipped by rotation about the single axle.

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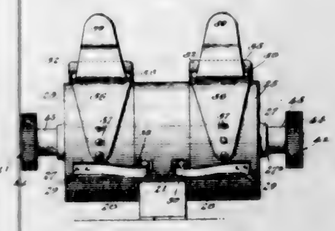
1,563,686. STAMP HOLDER. MELBROOKS B. BULTMAN, Sumter, S. C. Filed Nov. 22, 1923. Serial No. 676,418. 2 Claims. (Cl. 211—31.)



1. A stamp holder comprising a single central mounting having annular flanges at its opposite ends and having sockets on its periphery and also having a shaft-receiving opening at its center, and a pair of stamp holders, each of said stamp holders comprising a casing having one end open and the other end closed, the open ends of the casings being designed to fit on the flanges



of the mounting, spring clips connected to the casings and having portions engaged in the sockets of the mounting for releasably holding the casings on the mounting, and a shaft rotatably mounted on each casing, the shafts having tapered inner ends received in the opening of the mounting.

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1,563,687. DISPLAY STAND. JOHN H. CHANEY, Baltimore, Md. Filed Apr. 10, 1924. Serial No. 705,668. 3 Claims. (Cl. 211—24.)

1. A display stand comprising a back member consisting of a sheet of suitable material, a flap cut in said back member and adapted to swing out of the plane thereof whereby said back member and said flap form an easel, a tray supported on said easel and integral therewith, the side, front and bottom walls of said tray being formed from a single lateral extension of said back member, and an extension on said back member adapted to be folded over said member for covering the aperture made therein by said flap.

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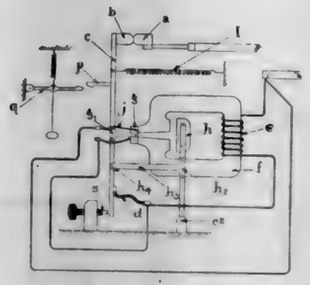
1,563,688. ELECTRIC-CIRCUIT BREAKER. PAUL CHARPENTIER, Paris, France, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Societe Anonyme, Paris, France. Filed Apr. 17, 1924. Serial No. 707,101. 12 Claims. (Cl. 200—103.)



1. A circuit-breaker, comprising a lever, a movable contact carried by said lever, a fixed contact co-operating with said movable contact, an electromagnet, a series winding energizing said magnet, two armatures of different size attracted by said magnet, means controlling said armatures to produce opposite movements in relation to said magnet, mechanical connections between said lever and one of said armatures, and means for limiting the movement of said lever at a point remote from said movable contact, said limiting means forming a fulcrum for further movement of said lever to produce rapid separation of said contacts.

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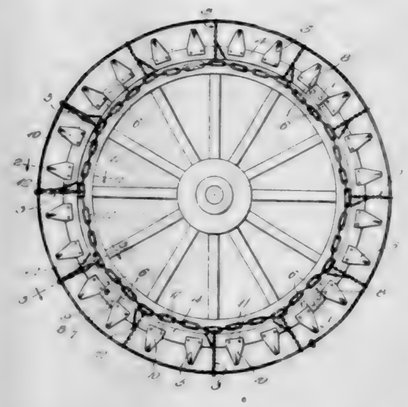
1,563,689. NONSKID DEVICE. WILLIAM HENRY COREY, Newport, Me. Filed Apr. 6, 1925. Serial No. 21,107. 4 Claims. (Cl. 152—14.)



3. Anti-skidding means comprising a ring having projecting prongs, and means for connecting said ring to a tire chain consisting of side and cross chains to be held by said chain at one side of a tire.

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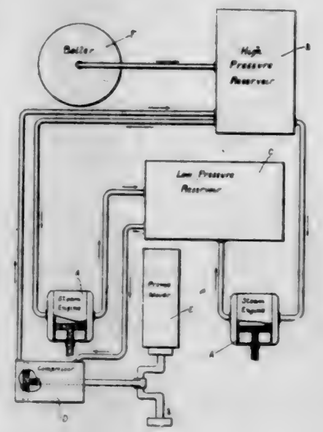
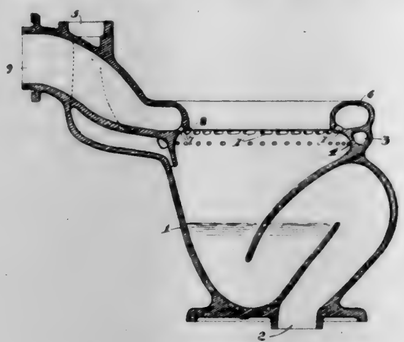
1,563,690. SYSTEM FOR TRANSMITTING ENERGY BY MEANS OF STEAM WORKING IN A CLOSED CYCLE. SEVERINO CRISTIANI, Milan, Italy. Filed Sept. 20, 1921. Serial No. 501,993. 4 Claims. (Cl. 60—59.)




1. A power plant comprising a closed-cycle installation adapted to have steam circulated therein, said installation including an engine driven by the steam, and a compressor; a prime mover independent of said closed-cycle installation and adapted to operate said compressor in order to replace the energy in the steam of the closed-cycle installation which was expended in driving the engine; and a boiler for said installation in order to supply steam thereto when necessary.

1,563,691. WATER-CLOSET. SALVATORE DE COLA, San Jose, Calif. Filed Mar. 12, 1925. Serial No. 15,041. 1 Claim. (Cl. 4—72.)



An article of manufacture comprising a water closet having a water conduit encompassing its upper portion and provided with orifices connecting said conduit with the interior of said closet, and having an air conduit formed in its upper portion above said water conduit and overhanging the same to form an annular lip and provided with orifices connecting the said conduit with the interior surface of the closet bowl beneath said lip.

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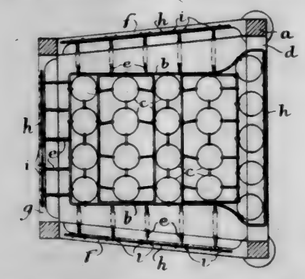
1,563,692. SPRING SEAT AND THE LIKE. RICHARD DENHAM, Walthamstow, England. Filed Feb. 21, 1923. Serial No. 620,447. 1 Claim. (Cl. 155—179.)



A chair, settee or other seat of the kind hereinbefore referred to, including a main frame, upholstery springs and a frame for the same, the front side of said spring frame being directly connected to the front of said main frame, tension springs for supporting the other three sides of said spring frame, said tension springs being connected to the main frame through the medium of wires upon the corresponding upper sides of said main frame.

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1,563,693. HAIR PROTECTOR. CARL DRUCKS, Berkeley, Calif. Filed Dec. 22, 1924. Serial No. 757,363. 1 Claim. (Cl. 132—49.)

In a device of the class described, a head covering adapted to snugly fit the head to cover the hair thereof, said covering comprising a body portion having a flat extension at the back thereof, a relatively wide binding around the front edge of the body portion terminating at opposite sides of said portion adjacent the ear of the wearer, a relatively narrow binding around the edge of the flap extension terminating adjacent the respective ends of the first-named binding, ribbon-like reinforcing strips stitched to the body portion longitudinally and transversely thereof, the longitudinal strip extending from the front edge of the body portion to the edge of the flap extension and the transverse strip extending from the respective ends of the binding around the edge

of the body portion, and an elastic band attached to the ends of the binding around the edge of the body portion and adapted to engage the back of the head over the flap extension.

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1,563,694. DOUGH AND PROCESS OF MAKING THE SAME. LEOTA N. EARL, Forth Worth, Tex. Filed May 23, 1924. Serial No. 715,311. 2 Claims. (Cl. 99—10.)

1. The herein described process for making dough which comprises boiling one gallon of milk, mixing one-half of the boiled milk with six pounds of flour and scalding the flour therewith, mixing the other half of the boiled milk with four pounds of lard, two pounds of sugar and four ounces of salt, cooling the last mixture and then adding it to the scalded flour with two pounds of mashed potatoes, then mixing in these ingredients four cakes of yeast and placing in a warm room for two hours, then mixing the batter thus prepared with four tablespoonfuls of baking powder, two tablespoonfuls of soda, next adding enough flour to make dough of the required consistency and kneading well and placing in a warm room for one hour, and then placing in an ice box or refrigerator for twelve hours.

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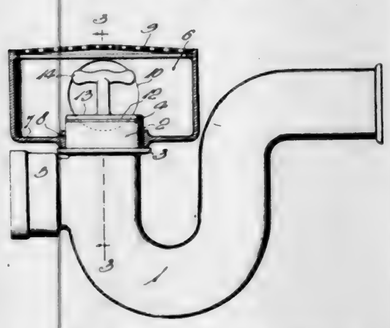
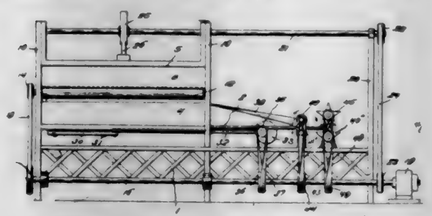
1,563,695. COMBINED CATCH BASIN AND TRAP. WILLIAM J. FEMAL, Green Bay, Wis. Filed Apr. 25, 1925. Serial No. 25,853. 2 Claims. (Cl. 182—16.)



1. A device of the class described comprising a conduit having an open end and a pair of internal arcuate ribs at said open end, a closure adapted to span the open end of the conduit, and lugs carried by the inner side of said closure to engage the inner sides of the aforesaid ribs when the closure is turned, said sides of said ribs being inclined with respect to the axis about which the closure is rotated.



1,563,696. MAP-FOLDING MACHINE. EARL W. FIALA, Cedar Rapids, Iowa. Filed Jan. 30, 1925. Serial No. 5,847. 6 Claims. (Cl. 270—86.)



1. A machine of the class described comprising a frame, a stationary die supported at the forward end thereof, a complementary movable die cooperating with the stationary die for creasing and folding sheet material, means for feeding the sheet material to said dies, creasing rollers supported on said frame in cooperative relation with respect to said dies, folding means supported on the rear ends of the frame and cooperating with said creasing rollers, and means associated with the stationary die for ejecting the sheet of material therefrom, after the movable die has been moved out of engagement with the stationary die, whereby the material is delivered to said creasing rollers.

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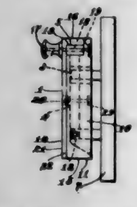
1,563,697. SWITCH COVER. ARTHUR FINKENNAGEL, Baltimore, Md. Filed Oct. 7, 1921, Serial No. 506,160. Renewed Oct. 14, 1925. 7 Claims. (Cl. 200—168.)



7. A cover for knife blade switches consisting of a box separable portions composing the box completely enclosing the knife blade and adapted to swing therewith, means for removably securing the parts together, one said part being slotted to admit the terminals and the other said part having a projecting portion adapted to occupy the space between the knife blades a portion of the box extending beyond and covering the pivotal portions of the knife blade switch and the corresponding terminals.

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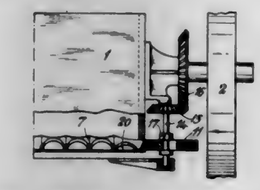
1,563,698. SPREADING APPARATUS FOR ARTIFICIAL MANURES. JACOB VON STRATEN FINNE, Aas, Norway, assignor to A/S Sonoax, Christiania, Norway. Filed Oct. 30, 1924. Serial No. 746,820. 4 Claims. (Cl. 221—120.)



1. In feed devices for apparatus for spreading artificial manures, provided with reciprocating means for discharging the manure from a receptacle through a feed slot, the combination of feeder fingers forming between them scoopshaped pockets, having walls decreasing in height towards the feed slot, with means for reciprocating said fingers.

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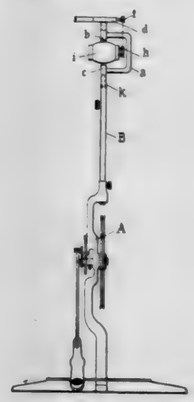
1,563,699. FOOT BORING MACHINE FOR DENTISTS WITH DRIVING MOTOR. PAUL FRANKE, Berlin, Germany. Filed Nov. 25, 1924. Serial No. 752,269. 2 Claims. (Cl. 32—22.)



1. A motor driven foot boring machine for dentists comprising in combination with the vertical shaft of the machine composed of two separate parts, a U-shaped bow inserted between said two parts of the vertical shaft and means for securely mounting the motor in said bow so that its centre of gravity is situated in the axis of the vertical shaft.

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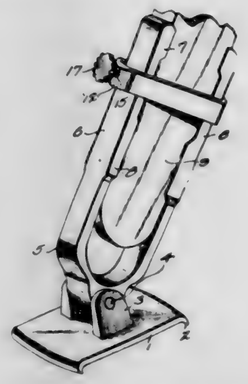
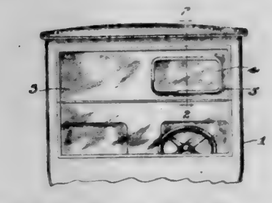
1,563,700. ADJUSTABLE LADDER SHOE. WILLIAM B. FRANKENSTEIN, Rochester, N. Y. Filed Sept. 10, 1924. Serial No. 736,983. 3 Claims. (Cl. 228—61.)



1. An attachment of the class described for a ladder including a base, a U-shaped clamp pivoted intermediate its ends to the base and provided with jaws the inner faces of which are cut out to provide spaced shoulders and means for throwing the jaws toward each other so as to swing them into firm frictional engagement with the upright of a ladder.

1,563,701. CONDENSATION-PREVENTING DEVICE. RALPH C. FREDERICKSON, Kensal, N. Dak. Filed Mar. 6, 1925. Serial No. 13,478. 1 Claim. (Cl. 20—40.5.)



In a device of the class described an annular vacuum cup composed of a continuous strip of rubber and a continuous strip of fabric directly united, a transparent sheet of celluloid positioned within said annular vacuum cup and having its edges attached to said fabric strip.

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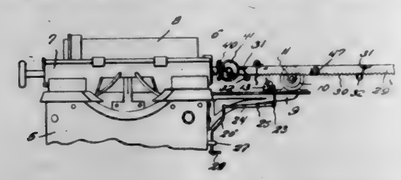
1,563,702. AUTOMATIC CARRIAGE-REVERSING MECHANISM FOR TYPEWRITERS. CHAUNCEY D. FRENCH and LOTT D. BROWN, Dallas, Oreg. Filed Nov. 24, 1924. Serial No. 751,916. 4 Claims. (Cl. 197—66.)



1. An automatic carriage reversing mechanism for typewriters comprising a bracket supported upon one side of the typewriter frame, a motor supported on the bracket, the armature shaft of said motor being equipped with a gear wheel, a rack bar secured to the adjacent end of the carriage and disposed to one side thereof and having its teeth in mesh with the teeth of the gear wheel, a switch in circuit with the motor, abutments, one adjacent each end of the rack bar for engaging the switch for making and breaking the motor circuit, and a spring mounted on the rack bar for engaging the armature shaft of the motor for braking the same after the switch has been moved to an off position.

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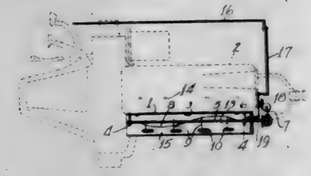
1,563,703. TIMER. HENRY W. GOSSELL, Verndale, Minn. Filed May 11, 1922. Serial No. 560,168. 1 Claim. (Cl. 200—26.)



A timer for internal combustion engines comprising a frame, a timer shaft rotatably carried by said frame, means connected with the crank shaft of the engine for rotating said timer shaft, a spiral conductor carried by said timer shaft, a slidable support disposed parallel with said timer shaft, a series of spring conductors disposed in longitudinal alinement on said support and arranged to be engaged successively by different portions of said spiral conductor, and means for shifting said support longitudinally to vary the time of contact of said spiral conductor with said spring contacts.

1,563,704. CLOTH-EXPANDING ROLLER. THEODOR GREIS, Crefeld, Germany, assignor to Maschinenfabrik Benninger A. G., Uzwil, Switzerland. Filed Sept. 2, 1924. Serial No. 735,415. 3 Claims. (Cl. 26—63.)

1. A cloth expanding roller having screw threads on its circumference which is right handed on one longitudinal half of the roller and left handed on the other longitudinal half, the pitch of the thread increasing with an increased distance from the middle of the roller and the number of threads per pitch increasing with said increase in the distance, and the thread being formed by a wire of suitable profile and inserted in grooves cut into the body of the roller which grooves respond to the aforementioned conditions for the screw thread.

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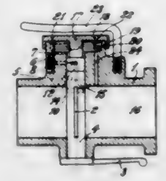
1,563,705. CARBURETOR. JACOB CHRISTIAN HANSEN-ELLEHAMMER, Copenhagen, Denmark. Filed Nov. 30, 1923. Serial No. 677,913. 4 Claims. (Cl. 261—44.)



2. In a carburetor, a casing forming a mixing chamber and having a transverse bore; a fuel inlet opening through the periphery of said bore; a throttle valve having a spindle rotating in said bore; said spindle having a fuel passage therein; a cylindrical block rotating and reciprocating in said bore and having a tapering groove to cooperate with said fuel inlet and a passage for fuel leading from said groove and communicating with the fuel passage in the throttle spindle; means for movably holding said block with said groove out of register with said fuel inlet; means responsive to the suction in the mixing chamber for reciprocating said block to cause said groove and inlet to register; and means connecting said block and throttle spindle to rotate the block with the throttle but permit said reciprocating movement.

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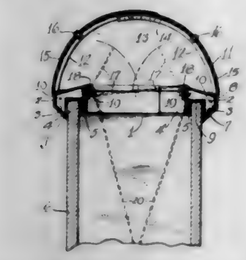
1,563,706. CHIMNEY PROTECTOR. SEAVER ANDERSON HOFFLAND, Fennimore, Wis., assignor to International Chimney and Fire Protectors Company, a Common Law Trust, Fennimore, Wis.; Daniel Jay Flintjer, Frances Hathaway Flintjer, Seaver Anderson Hoffland, and Dorothy Bruland Hoffland, trustees. Filed Aug. 9, 1923. Serial No. 656,565. 1 Claim. (Cl. 98—4.)

A chimney protector comprising a frame having hollow sides, the sides of said frame being composed of telescoping members, whereby said frame is adapted to fit chimneys of various sizes, the walls of said frame being shaped so as to cover the top, inner, and outer sides of the chimney, means for locking said telescoping sides



after they have been moved into the proper position, said means being disposed within the hollow sides, whereby said locking means is protected from the elements and a hood comprised of a plurality of members adjustably secured together whereby said hood may be enlarged or contracted so as to cover said frame.



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1,563,707. HAND-TOOL CONSTRUCTION. JOHN T. HOHL, Indianapolis, Ind. Filed Sept. 20, 1921. Serial No. 501,981. 2 Claims. (Cl. 192—67.)

1. A hand tool construction including a tubular handle having an enlarged opening at one end, a rotating shaft in said tubular handle and terminating within the enlarged opening and having an enlargement thereon, a thrust bearing positioned in said enlarged opening and interposed between the handle and the shaft enlargement, a tool supporting shaft extending into the enlarged opening of said handle, clutch means within the handle for associating said shaft terminations, a sleeve slidably and rotatably supported by said handle adjacent the open end, said handle adjacent the open end having an inclined slot, and a pin carried by the sleeve and positioned in said slot and engaging the clutch means for shifting the same.

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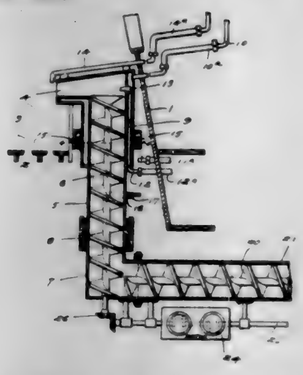
1,563,708. MECHANICAL STOKER. RAINSFORD B. HOLTHAUS and GEORGE D. SMITH, Fremont, Nebr. Filed June 9, 1923. Serial No. 644,415. 5 Claims. (Cl. 110—104.)



3. In a mechanical stoker, a fuel feeder having a conduit section constituting a discharge nozzle, means to automatically actuate said nozzle to distribute the fuel throughout the fire box, means for delivering a blast to effect a distribution of the fuel, and a valve mechanism operable automatically to vary the force of the blast so as to project the fuel different distances.

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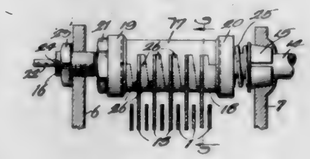
1,563,709. ELECTROSTATIC CONDENSER. PETER G. JACOBSON, Chicago, Ill. Filed Jan. 19, 1925. Serial No. 3,399. 6 Claims. (Cl. 250—41.)



1. A condenser having one side formed of a plurality of plates; and a tube formed in two longitudinal sections, each section being formed with a row of transverse fingers along each longitudinal side thereof that intermesh with the rows of transverse fingers along the opposite longitudinal sides of the other section, respectively, said condenser plates being distributed along said tube and interposed between meshing fingers at both sides of the tube and which fingers have clamping engagement with said plates.

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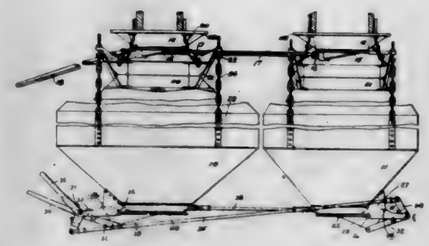
1,563,710. MEASURING HOPPER. CHARLES S. JOHNSON, Champaign, Ill. Filed July 14, 1924. Serial No. 726,004. 2 Claims. (Cl. 221—144.)



1. A pair of measuring hoppers side by side, a brace secured to the lower ends of said two hoppers, a valve for the outlet end of each hopper, a frame on each hopper to which the valve is hinged so that it will open downward, a lever pivoted on one of said frames for operating one of said valves, a second lever pivoted on the other frame for operating the other valve, a connecting rod extending from said second lever to a point near said hand lever, and a second hand lever pivoted on the same frame as the first hand lever for operating said rod, whereby the means for operating said valves are positioned together.

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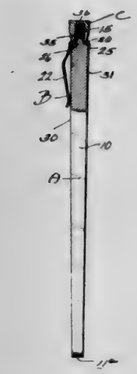
1,563,711. COMB. OTTO W. JOHNSON, Hot Springs, Mont., assignor of one-third to John H. Bras and one-third to Leo A. Henter, both of Hot Springs, Mont. Filed July 2, 1924. Serial No. 723,808. 4 Claims. (Cl. 24—3.)

2. A comb including a back having teeth extending laterally thereof and a screw threaded shank extending outwardly of an end surface thereof, a clip including an attaching wall with an opening therethrough adapted to

receive the screw threaded shank therethrough, said clip including a retaining arm at one side of the back of said comb and a retaining flange extending in engaging rela-



tion at the opposite side of said comb from said arm, and nut means for said screw threaded shank for clamping the attaching wall upon the end of said back of the comb.

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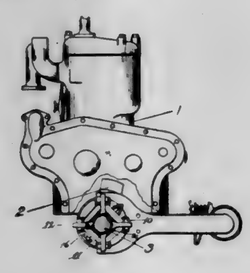
1,563,712. BEARING-GRINDING MACHINE. RALPH JOHNSON, Ripley Township, Chautauqua County, N. Y. Filed May 10, 1924. Serial No. 712,354. 6 Claims. (Cl. 51—241.)



1. In a bedring grinding machine, the combination of a split rotating head having radially extending guides; grinding shoes mounted in the head, said shoes having radial projections operating on said guides; and means driving the head.

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1,563,713. PROCESS OF MAKING A REFLOCCULATED PRODUCT. GEORGE WILSON ACHESON, Caldwell, N. J. Filed Nov. 22, 1924. Serial No. 751,688. 4 Claims. (Cl. 252—6.)

1. Process of making a reflocculated product, comprising subjecting a finely divided solid to successive deflocculation and reflocculation under attrition.

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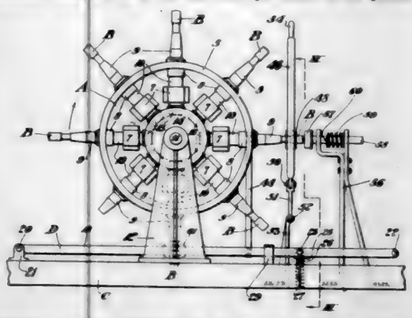
1,563,714. HANDLE-POLISHING MACHINE. LOUIS V. BLUE, Elkton, Md. Filed Dec. 18, 1922. Serial No. 607,671. 9 Claims. (Cl. 51—154.)

1. A handle polishing machine comprising an axially rotatable turret having a plurality of handle holding chucks rotatably mounted thereon, means for rotating said chucks on said turret in the handle polishing operations, means for turning said turret axially to move handles held by said chucks into position to be polished,



polishing means adapted to be moved into operative engagement with the handles held in polishing position by said turret and means for actuating said polishing means.

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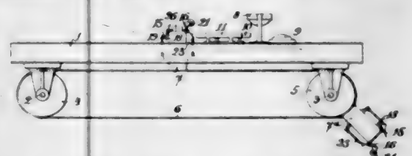
1,563,715. PACKING MACHINE. CHARLES BOULANGER, Malaunay, France, assignor to Societe Anonyme Anciens Etablissements Georges Pellerin, Malaunay, France. Filed Apr. 5, 1924. Serial No. 704,440. 4 Claims. (Cl. 93—6.)

1. In a paper bag closing machine, the combination of a main frame, an endless conveyor band mounted thereon, suitable boxes secured at their bottom to the said conveyor band and adapted to contain the paper bags filled with the products to be packed, movable folding elements disposed upon the said boxes and adapted to fold the sides of the bags, cams mounted on the said frame and directly controlling the said folding elements during the travel of the said boxes, and stationary rails which are suitably disposed upon the said frame and guide the said boxes during the folding operation.

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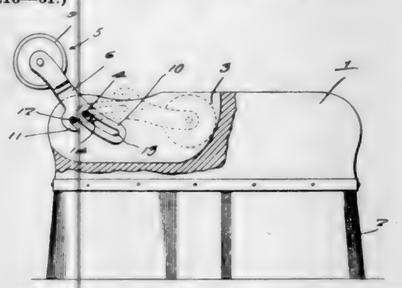
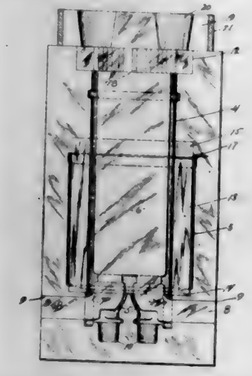
1,563,716. PAPER-HANGER'S TOOL. FRANK SPOUAGE BRIGGS, Niagara-on-the-Lake, Ontario, Canada. Filed July 13, 1925. Serial No. 43,298. 4 Claims. (Cl. 216—61.)



1. In a structure of the class described, a backing member having a recess formed therein, a cutter, spring arms connected with and extending from said cutter, a pivot bolt extending between the side walls of said recess, said arms being connected with said bolt.



1,563,717. APPARATUS FOR CASTING ENGINE CYLINDERS. ALEXANDER T. BROWN, Syracuse, N. Y. Filed Dec. 28, 1923. Serial No. 683,164. 1 Claim. (Cl. 22—131.)



An apparatus for casting engine cylinders, comprising a box having a cylindrical cavity, the box being divided longitudinally into two sections, a core composed of two lengthwise sections located in the spaces of the box divisions respectively, and spaced-apart from the wall of the cavity, the core being also spaced from the end wall of the cavity, and having outwardly and laterally extending portions for forming the cylinder head and ports carried by the head, such projections being arranged in corresponding cavities formed in the box divisions and spaced-apart from the walls of such cavities, and an annular series of cores arranged in the cylindrical cavity, and spaced-apart from the former core, each of the annular series of cores having heads at their ends for engaging the adjacent core, the portions of the cores between such heads being spaced-apart to form radial flange forming spaces.

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1,563,718. SPIRAL REFLUX CONDENSER. FAY J. BROWN, Shreveport, La. Filed May 25, 1923. Serial No. 641,448. 10 Claims. (Cl. 196—139.)

1. A condenser comprising a housing providing a spiral chamber therein, means for trapping and removing different fractions from the chamber, and baffle means in the chamber for making the vapor therein pursue a laterally tortuous path therein.

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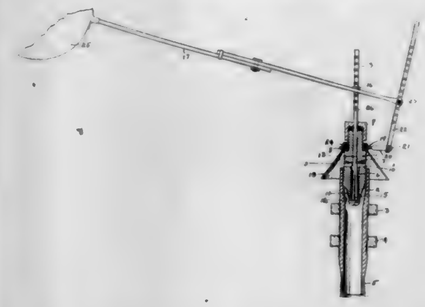
1,563,719. FLOAT-OPERATED VALVE. WILLIAM J. BUFORD, San Antonio, Tex. Filed Mar. 7, 1924. Serial No. 697,672. 3 Claims. (Cl. 137—104.)

3. In a float valve of the character described, a fitting forming a valve chamber, a plug in the upper end of said fitting, said plug having a central passage and lateral outlets leading from said passage, a valve stem extending through said plug, a longitudially grooved tapered head on the stem, a valve on said head, a float operated arm



connected with said valve stem to open and close said valve, there being limited play between said arm and said valve stem allowing said valve to close abruptly in its final closing.

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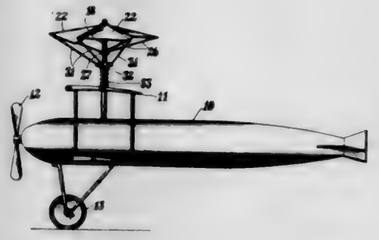
1,563,720. HELICOPTER ATTACHMENT FOR AEROPLANES. MICHAEL BUGAR, Cincinnati, Ohio. Filed Mar. 2, 1925. Serial No. 12,502. 1 Claim. (Cl. 244—15.)



In combination with an aeroplane, a vertical shaft mounted thereon, a sleeve slidable on said shaft, a helicopter wheel comprising a number of triangular vanes attached at their inner apices to the said shaft, a series of struts each attached at one end to one outer corner of the respective vanes and at their inner ends to the said shaft, a series of stretchers each having a pivotal connection at opposite ends with the other outer corners of the different vanes and said sleeve, and means for adjusting said sleeve along the said shaft in opposite directions, comprising a spring bearing on the said sleeve, a rod slidable in a longitudinal boring in the said shaft and having one end fixed to the said sleeve, a collar rigid with the lower end of the said rod and surrounding the shaft, a spring latch engaged with lower end of the rod, a nut member on which said latch is mounted, a screw shaft on which said nut member is mounted, and means for rotating said screw shaft.

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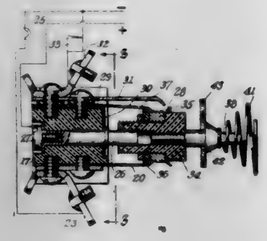
1,563,721. ELECTRIC SIGNAL SWITCH. JOSEPH O. CADIEUX, Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Incorporated. Filed Jan. 10, 1925. Serial No. 1,536. 11 Claims. (Cl. 200—16.)

1. A signal switch comprising an insulating base, a guide pin extending through said base, a binding screw in the rear end of said pin, a contact plunger slidable

on the front end of said pin, a bracket having an arm extending along one side of said base and having another arm extending along the front of said base and



contacting with said pin, and a spring arm contact secured outside of the side arm of said bracket and engaging said contact plunger.

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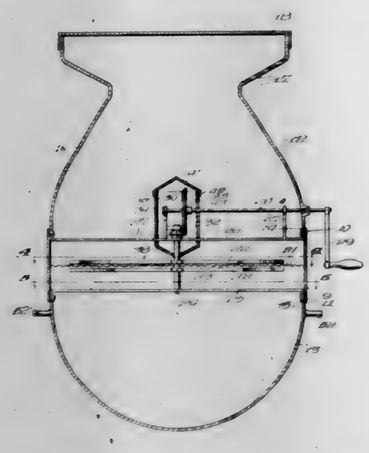
1,563,722. SIFTER. BESSIE A. CARLSON and OLIVER R. SNOW, Newcastle, Wyo., assignors, by direct and mesne assignments, of three-fourths to said Bessie A. Carlson and one-fourth to Mary B. Carleton, both of Newcastle, Wyo. Filed Mar. 27, 1924. Serial No. 702,425. 10 Claims. (Cl. 209—251.)



1. A sifter comprising oppositely related receptacles, one of which has a rounded closed outer end, the other having an open end and a detachable closure therefor, a pivotal mounting for the sifter carried by the first mentioned receptacle, and sifting means interposed between the receptacles.

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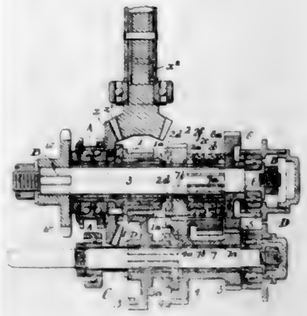
1,563,723. CHANGE-SPEED GEARING. CHARLES HENRY CATON, Armley, near Leeds, England. Filed Oct. 6, 1923. Serial No. 666,954. 2 Claims. (Cl. 74—59.)

1. In four-speed gearing, in combination, a countershaft, three gear wheels, one slidable on and rotatable with said countershaft, and the other two loose thereon and connected to rotate in unison, a single clutch situated between the slidable wheel and one of the loose wheels, a main driving shaft, a driven shaft coaxial with the driving shaft, three other gear wheels, one fixed to the driving shaft and the others loose on the driven shaft, a double clutch between said loose wheels,



a single clutch arranged between one of said loose wheels and said fixed wheel, and means for operating said clutches.

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1,563,724. SAFETY RAZOR. RUSS J. CHRISTY, Fremont, Ohio, assignor to Christy Company, Fremont, Ohio, a Corporation of Ohio. Filed June 16, 1921. Serial No. 478,147. 8 Claims. (Cl. 30—12.)

1. In a safety razor, a blade-supporting plate having upturned flanges at its opposite ends and a lug adjacent each end, each of said lugs having an inclined inner wall and a front wall, a blade having projecting ears at its rear corners for cooperation with the upturned flanges on the blade-supporting plate, and having also a notch at each end, each of said notches having an inclined wall and a front wall for cooperation, respectively, with the inclined walls and front walls of the lugs on the blade-supporting plate, and means for holding the blade on said plate.

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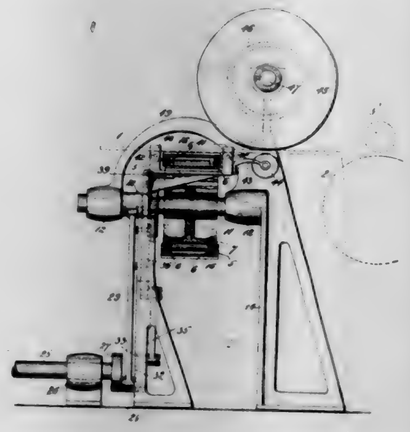
1,563,725. STRAND-FEEDING MACHINE. FRED M. CLEAVELAND, Wakefield, Mass., assignor to Fred W. Green, Ionia, Mich. Filed June 3, 1922. Serial No. 565,731. 8 Claims. (Cl. 144—242.)

1. In a strand-feeding machine, the combination with an operating mechanism, of a movable carrier for receiving and holding the end portions of a number of strands arranged separate from one another on substantially parallel lines and applied to the carrier to extend crosswise it with permitted detachability therefrom, means for



intermittently operating the carrier whereby each of the strands carried by it will be moved laterally to reach and occupy in turn a determinate position with dwell



of the carrier when the strand is occupying such determinate position, means for detaching each strand positioned as aforesaid from the carrier during the dwell of the carrier, and means for feeding the detached strand.

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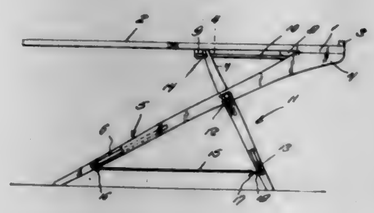
1,563,726. FOLDING IRONING BOARD. JESSE CUNNINGHAM, Gas City, Ind. Filed May 28, 1925. Serial No. 33,430. 1 Claim. (Cl. 68—10.)



A folding ironing board comprising a leg structure offset laterally at one end, a top section fastened to said offset end, a second top section swingably connected with said first named top section, a guide on the under side of said second named top section, and another leg structure pivoted between its ends to the intermediate portion of the first named leg structure and having slidable connection at its upper end with said guide.

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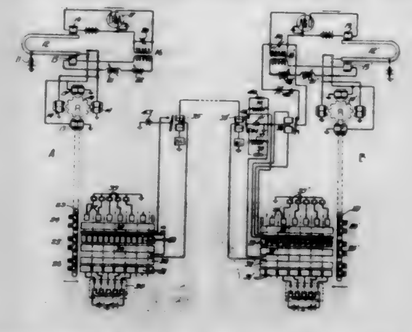
1,563,727. ISOCHRONIZING AND SYNCHRONIZING SYSTEM. AUSTEN M. CURTIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 13, 1923. Serial No. 645,034. 5 Claims. (Cl. 178—53.)

1. An isochronizing system comprising a distributor for imparting impulses to a line, a vibrating mechanism for driving said distributor, a receiving distributor, a variable vibrating mechanism therefor having a sharply tuned operating circuit, and means controlled by current



impulses received from the transmitting distributor to vary the tuning of said operating circuit whereby the distributors are maintained in isochronism.

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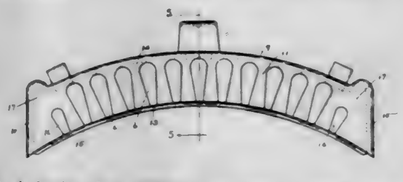
1,563,728. SHELL FOR COMPOSITION BRAKE SHOES. MURRELL R. DE FRANCE, Bellevue, Pa. Filed July 23, 1925. Serial No. 45,551. 3 Claims. (Cl. 188—254.)



3. A brake shoe shell for use with a filling of frictional composition formed with integral back end and side walls, the back wall being of relatively great thickness, and the side walls comprising a plurality of strips tapering in thickness from the back downwardly to the edges of the sides and having their width tapering upwardly to the back of the shell with intervening apertures between strips, said strips being so proportioned that the total area of metal presented by one side is approximately equal at any point along the vertical extent of the shell as the brake shoe wears away in use

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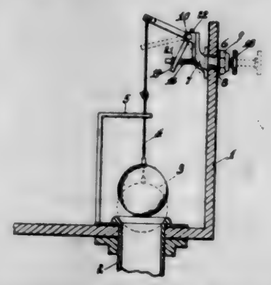
1,563,729. TOILET-FLUSHING HANDLE. ALFONSO DOMINQUEZ, Berkeley, Calif. Filed Feb. 7, 1923. Serial No. 617,478. 5 Claims. (Cl. 4—67.)



1. The combination with a toilet flush box having an outlet pipe and a closure valve in said pipe, of a lift lever journaled in said box, means joining said lever

and said valve, a stem adapted to extend into said box, means joining said stem and said lift lever, and spring means whereby said stem is returned to its normal position.

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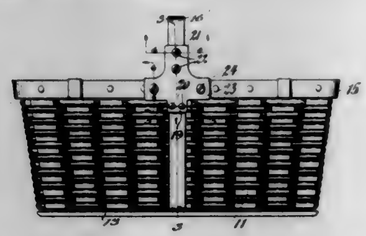
1,563,730. BASKET. CHARLES H. DREHER, Buffalo, N. Y. Filed Oct. 29, 1923. Serial No. 671,343. 2 Claims. (Cl. 217—122.)



1. A basket comprising a body, a handle arranged over the body, a band passing around the underside of the body, and means for connecting said body with opposite ends of said handle and body comprising two clips each of which is of cross-shape and provided with a downwardly projecting arm connected with one end of the band, an upwardly projecting arm connected with one end of said handle and two horizontal arms projecting in opposite directions and connected with said body.

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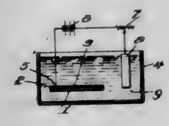
1,563,731. ELECTRICAL APPARATUS AND METHOD OF MANUFACTURING THE SAME. CHARLES DUCAS, New York, N. Y. Filed Mar. 2, 1925. Serial No. 12,651. 11 Claims. (Cl. 204—1.)



1. A method of manufacturing electrical apparatus which consists in initially preparing an electrically conductive path upon a supporting surface, subjecting said path to an electroplating bath in which said path comprises the cathode, electrolytically depositing a metal having a low radio frequency resistance upon said path, and removing the conductor thus formed from said bath.

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1,563,732. PROCESS OF ABSORBING HYDROCHLORIC-ACID GAS. JAMES ERNEST EGLESON, Ridley Park, Pa., assignor to General Chemical Company, New York, N. Y., a Corporation of New York. Filed Sept. 7, 1922. Serial No. 586,587. 7 Claims. (Cl. 23—154.)

1. The process which consists in causing a current of hydrochloric acid gas and an absorbing liquid to travel in mutual contact within a tube which is cooled externally, separating the resulting liquid hydrochloric acid from the unabsorbed gases, carrying away a portion of said liquid acid, diluting the remaining portion of said acid, and bringing the diluted acid into renewed contact with the hydrochloric acid gas in said tube.

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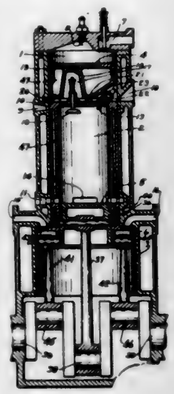
1,563,733. TWO-CYCLE GAS ENGINE. WILLIAM E. EWART, Raymond, Wash. Filed Mar. 5, 1923. Serial No. 622,814. 2 Claims. (Cl. 123—61.)

1. A two-cycle engine having a piston within a sleeve piston, an outer cylinder, an enlarged cylinder, an enlarged piston depending from said sleeve piston, connections between said pistons to crankshaft, intake valves to said outer cylinder and to said sleeve piston, an annular row of intake ports on said sleeve piston and leading to its inlet valve, exhaust ports in said cylinder



and sleeve piston, an explosive chamber within the outer cylinder and also within said sleeve piston and above said inner piston.

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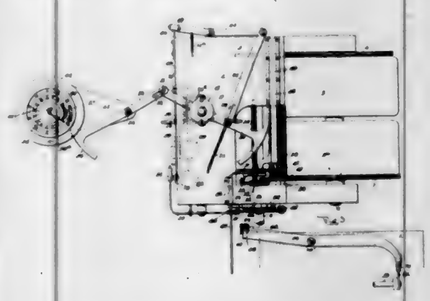
1,563,734. REGISTERING DEVICE FOR TALKING MACHINES. PINCUS FARB, Saginaw, Mich., assignor, by mesne assignments, to Sonora Phonograph Company, Inc., a Corporation of New York. Filed July 22, 1918. Serial No. 246,161. Renewed Sept. 12, 1925. 10 Claims. (Cl. 185—44.)



1. In a registering device for talking machines, the combination with a spring motor, having a member movable rectilinearly as the spring is wound and unwound, a slide engaging said member, a lever co-operating with the slide, a second lever having a lost motion pin and slot connection with the first lever, a dial having a scale thereon, a pointer co-operating with the dial, and connections between said second lever and pointer for indicating on the scale the number of records capable of being played by the motor without rewinding the spring at any time during the movement of the slide.

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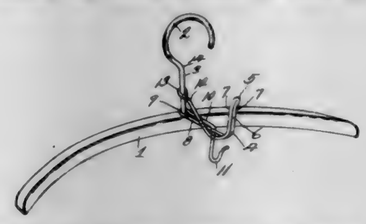
1,563,735. COAT-HANGER ATTACHMENT. CHARLES A. FETTERS, Washington, D. C. Filed Aug. 3, 1923. Serial No. 655,434. 1 Claim. (Cl. 211—13.)

The combination with a coat hanger hook, a vertically disposed shank carried by said hook, of a garment hook carried by said shank, said garment hook being formed from a single piece of spring wire bent upon itself to form an upwardly extending hook and inwardly diverging arms, parallel horizontally disposed eyes carried by said diverging horizontal arms and in which the shank is disposed and frictionally held, the lower eye terminating in an outwardly extending arm, and a hook carried by the outwardly extending arm below the first mentioned garment supporting hook.



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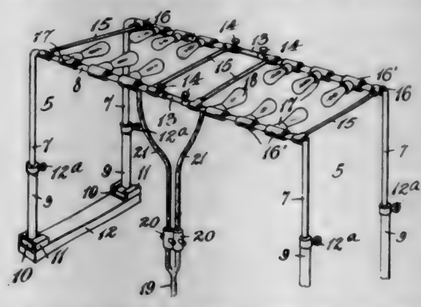
1,563,736. COMBINATION MEDICAL APPARATUS. CHRISTIAN B. FINK, San Francisco, Calif. Filed June 28, 1923. Serial No. 648,385. 1 Claim. (Cl. 174—177.)



A device of the class described comprising two identical frame sections, each of said sections including a pair of spaced apart horizontal branches and depending vertical branches, the free ends of the horizontal branches of one section arranged in horizontal alinement with the free ends of the horizontal branches of the other section, rods movably telescoping the respective free ends of the alined horizontal branches, fastenings securing the rods to the horizontal branches, canopy sections mounted over the frame sections and adapted to engage with said fastenings, lamps supported from the horizontal branches of said frame sections, base bars at the respective lower ends of the frame, and means separable from the bars and carried by said vertical branches for holding the frame in a relatively rigid condition.

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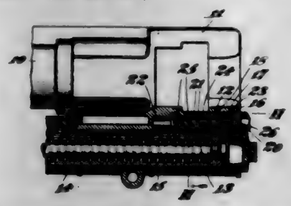
1,563,737. LOCKING DEVICE FOR GUN TUBES. CLARENCE HERVY FROELICH, Bethlehem, Pa., assignor to Bethlehem Steel Company, a Corporation of Pennsylvania. Filed Feb. 26, 1924. Serial No. 695,155. 10 Claims. (Cl. 89—37.)



5. The combination with a gun member and a movable recoil member having an interlocking guide connection and cooperating thrust-transmitting abutments, of a longitudinal recess in one member having interior helical teeth, a shaft journalled on the other member and adapted to fit in the recess and having a row of helical teeth for engagement and disengagement with the first teeth.

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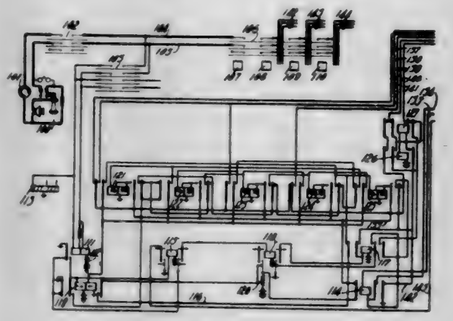
1,563,738. REGISTERING DEVICE. OWEN C. FROM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 6, 1923. Serial No. 655,804. 4 Claims. (Cl. 177—353.)



1. In combination, a plurality of relays, means for successively operating said relays in response to a series of impulses, and means to release each relay on the operation of the next succeeding relay, comprising a differential circuit on the earlier operated relay.

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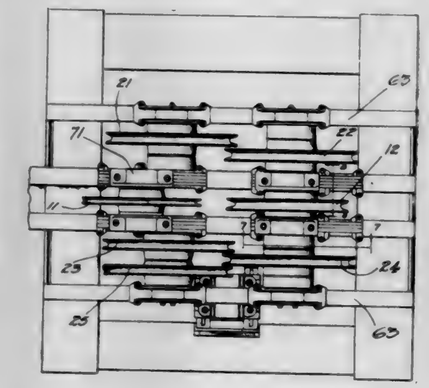
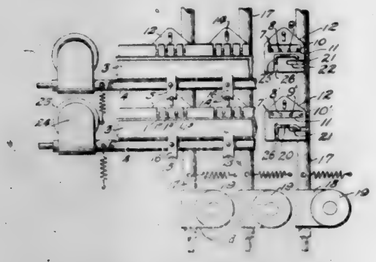
1,563,739. CROWN BLOCK. EDWIN W. GOESER, Los Angeles, Calif., assignor to Emsco Tool Company, a Corporation of California. Filed Apr. 7, 1924. Serial No. 704,685. 10 Claims. (Cl. 254—190.)



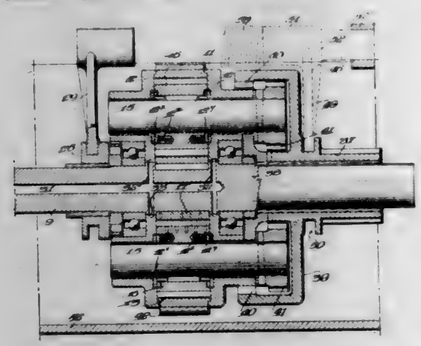
1. In an oil well derrick, the combination of: a supporting structure at the top of the derrick; lower brackets mounted in pairs on said structure; lower shafts, each supported in one of said pairs of brackets; lower sheaves, each sheave turning freely on one of said lower shafts; upper brackets mounted in pairs on said lower brackets and adjustable horizontally; upper shafts, each mounted in one of said pairs of upper brackets and upper sheaves, each turning freely on one of said upper shafts.

1,563,740. AUTOMATIC TELEPHONE SWITCH. HAROLD W. GOFF, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 8, 1922. Serial No. 550,617. 10 Claims. (Cl. 179—27.5.)



1. In a switching mechanism, a plurality of notched insulating members, sets of conductors helically arranged thereon, sets of flexible contacts arranged in rows coordinate to said sets of conductors, and means for selectively establishing connection between said sets of conductors and said sets of contacts.

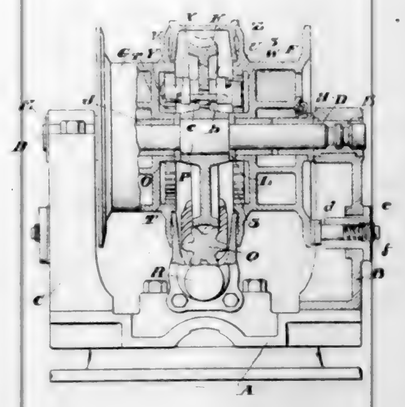
1,563,741. CLUTCH-SPEED CHANGING AND REVERSING MECHANISM. HARPER A. GOOD, Waynesboro, Pa. Filed Nov. 20, 1922. Serial No. 602,314. 5 Claims. (Cl. 74—34.)



1. A fluid clutch comprising relatively rotatable driving and driven members, a head having a rotor chamber in one of the members, a rotor in said chamber having a gear, a rotor carried by one of the members and coacting with the first rotor to constitute a pump, a circulating passageway in the head having an intake and discharge communicating with said pump, means for controlling the flow of fluid through the passageway, a gear driven by the first rotor, a gear connected to the other member and shiftable into and out of mesh with the rotor driven gear, and a clutch operable with the shiftable gear to connect and disconnect the head and second member.

1,563,742. CLUTCH MECHANISM FOR DOUBLE-DRUM HOISTS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 24, 1925. Serial No. 39,173. 2 Claims. (Cl. 254—185.)

1. In a double drum hoist in which one drum or the other is adapted to be driven from a reversible driving shaft, the combination of a driving shaft and relatively rotatable drums, a main driver mounted between the drums, toothed drum drivers on the drums having oppositely facing teeth, a pivot pin transversely carried by the main driver, oppositely facing pawls removably connected to the projecting ends of said pivot pin, and bolts connecting said pawls, said bolts extending through apertures in the main driver and having play therein to permit the pawls to rock on the axis of the pivot pin.



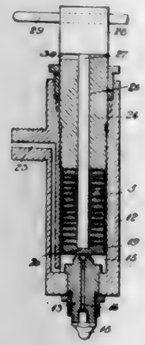
1,563,743. APERTURE STOPPER. JOHN H. HAZLEWOOD, Vancouver, British Columbia, Canada. Filed Nov. 29, 1924. Serial No. 752,927. 4 Claims. (Cl. 137—99.)

1. Means for closing an aperture in a plate, one side of which plate is not accessible except through the aperture, said means comprising a screw adapted to pass into the aperture and transversely apertured at one end, a cross bar endwise movable in the transverse aperture of the screw, said bar having at one end means preventing its withdrawal and between that and the other end means preventing movement beyond a medial position in the screw, a nut threaded on the screw, and a sealing washer of soft material between the nut and the cross bar.

1,563,744. VALVE-CONTROLLING MEANS. KNUT JONAS ELIAS HESSELMAN, Saltsjo-Storangen, Sweden. Filed Sept. 9, 1925. Serial No. 55,284. 5 Claims. (Cl. 137—156.)

1. In a fluid pressure operated valve controlling device, a casing adapted to be internally subjected to the fluid pressure, a set of annular flexible discs adapted to be inserted into said casing so as to loosely engage each other to form a longitudinally flexible hollow column, an imperforate independent end piece at one end of said column, an apertured independent end piece at the opposite end of said column, and means adapted to tran-



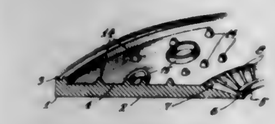


siently engage said discs and said end pieces to prevent said members from being displaced laterally relatively to each other during the actions of assembling the device.

1,563,745. MOP. NEWTON S. HILLYARD, St. Joseph, Mo. Filed Sept. 27, 1924. Serial No. 740,329. 2 Claims. (Cl. 15—229.)

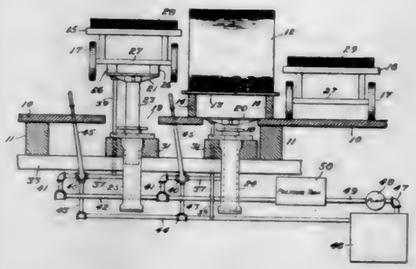
1. A mop comprising a mop head having a reservoir, a swab holder carried by the under side of said reservoir and having depending flanges to provide a swab receiving recess and means for fastening a swab in the recess, the reservoir and the adjacent wall of the holder having openings so that liquid may flow from the reservoir into the recess to contact with the swab and a pad arranged between the reservoir and swab holder sealing the space between the reservoir and swab holder at the edges thereof and projecting outwardly therefrom to thereby provide a buffer.

1,563,746. SHIRT RETAINER. HERBERT SACHS HIRSCH and MORRIS HIRSCH, Newark, N. J. Filed May 19, 1925. Serial No. 31,273. 4 Claims. (Cl. 241—7.)



1. A shirt retainer comprising a centrally perforated rubber member having a flat back and provided on its forward face with a plurality of points or projections formed on said member and upstanding therefrom, said member being provided with a centrally positioned recess in its forward face and which recess surrounds the perforation, and an upstanding bead immediately surrounding the perforation and between the perforation and the recess.

1,563,747. METHOD AND APPARATUS FOR USE IN SORTING PAPER. GUY F. HOSMER, Rumford, Me., assignor to Oxford Paper Company, Rumford, Me., a Corporation of Maine. Filed Dec. 1, 1924. Serial No. 753,397. 11 Claims. (Cl. 214—1.)



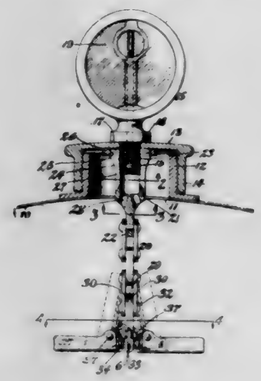
1. In an apparatus for use in sorting paper sheets, in combination, a support for a stack of unsorted paper, supports for stacks of accepted and rejected paper disposed respectively adjacent said first named support, and mechanism for relatively moving said unsorted paper and accepted paper supports in a vertical direction.

10. The herein described method of sorting paper sheets which consists in supplying the unsorted paper in a stack, transferring the accepted sheets successively from the top of said stack to the top of an adjacent stack, and relatively lowering the accepted paper stack and raising the unsorted paper stack as the operation progresses.

1,563,748. WELDING. CHAD H. HUMPHRIES, Kokomo, Ind., assignor to Metals Protection Corp., Kokomo, Ind., a Corporation of Indiana. Filed Aug. 31, 1925. Serial No. 53,766. 4 Claims. (Cl. 219—10.)

4. Process for gas and electric welding of iron and steel articles which consists in applying to the surfaces to be welded a solution of chromic acid, allowing the surfaces to dry, and welding the surfaces.

1,563,749. ANCHOR FOR RADIATOR CAPS, ETC. EDWARD E. JOSEF, Buffalo, N. Y. Filed Nov. 25, 1921. Serial No. 517,734. 2 Claims. (Cl. 220—24.)



1. An anchor comprising a central body, an ear projecting laterally from said body, and a stop arm pivoted on said ear so as to be capable of swinging downwardly from a horizontal position thereon but held against

swinging downwardly from a horizontal position thereon, said arm comprising two side walls which have their inner ends arranged on opposite sides of said ear and pivoted thereto, and a web connecting the lower edges of said walls and adapted to engage its inner end with the underside of said ear.

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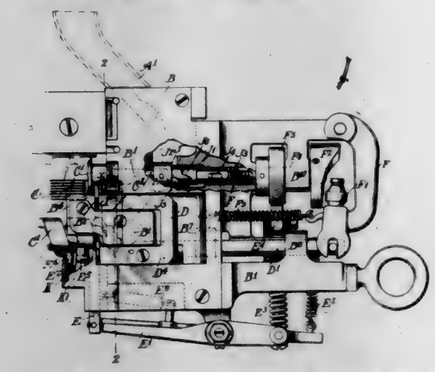
1,563,750. TYPOGRAPHICAL DISTRIBUTING MACHINE. DAVID S. KENNEDY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Apr. 4, 1925. Serial No. 20,848. 18 Claims. (Cl. 199—42.)



1. In a typographical distributing machine, the combination of a distributor box through which the matrices pass by gravity, a matrix lifting finger, a reciprocating pusher member for advancing the matrices into the range of action of the lifting finger, and adjusting means to regulate the stroke of the pusher member.

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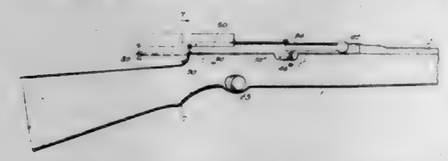
1,563,751. AUTOMATIC FIREARM. JOHN T. KEWISH, New York, N. Y. Filed May 31, 1924. Serial No. 717,061. 55 Claims. (Cl. 42—3.)



1. A gun of the class described having a receiver comprising in one piece means for containing the breech mechanism, a cover case, the trigger mechanism, the trigger guard, the magazine; and having parallel tracks to receive the breech mechanism and cover case.

14. A gun of the class described having breech mechanism including an actuator, or traversing weight, having a longitudinally slidable firing pin therein, and a relatively movable bolt rotatably mounted within one end thereof journaled directly on said firing pin.

33. A gun of the class described having breech mechanism including an actuator carrying a slidable firing pin therein formed with a hollow rear section to receive the firing pin and a solid formed section to journal the bolt.

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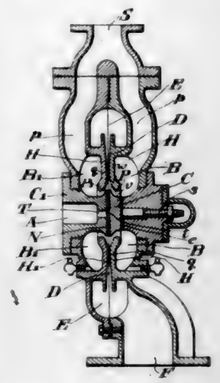
1,563,752. EJECTOR. GOTTDANK L. KOTHNY, Strafford, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 26, 1924. Serial No. 728,308. 12 Claims. (Cl. 230—13.)

1. A member of an annular nozzle having its periphery of greatest diameter adjacent that face thereof which forms a wall of the nozzle passage, and having a peripheral fluid-guiding surface of relatively great diameter



curving axially and outwardly and terminating at said periphery of greatest diameter.

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1,563,753. ELECTRICAL SWITCH. CARL RUDOLPH KRONE, Oakland, Calif. Filed Mar. 29, 1923. Serial No. 628,634. 4 Claims. (Cl. 200—6.)

1. A planetary electric switch comprising a drive gear, an internal gear mounted concentrically therewith comprising a live section, an oppositely arranged dead section and two interposed contact sections insulated from one another, and a plurality of pinions mounted revolvably between the two gears adapted to selectively engage the live section and either contact section, the live section and both contact sections and the live section and the dead section.

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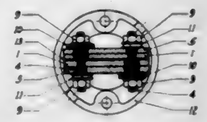
1,563,754. ELECTRICAL CONDENSER. MARIUS LATOUR, Paris, France, assignor to Latour Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Aug. 19, 1921. Serial No. 493,672. 4 Claims. (Cl. 250—41.)



2. The combination of two pairs of conductive plates, a strip of high resistance conductive paper bent into U shape, one end of said paper being fitted between the plates of one pair and the other end between the plates of the other pair and a dielectric between said pairs.



1,563,755. PROCESS OF MANUFACTURING CEMENT. CARL LEONARDT, Los Angeles, Calif. Filed Nov. 19, 1923. Serial No. 675,730. 15 Claims. (Cl. 106—25.)

5. The process of producing a plastic waterproof cement which consists in first treating calcareous material containing calcium carbonate with hydrochloric acid, adding oleaginous material to the mixture, and then incorporating the resulting mixture with cement.

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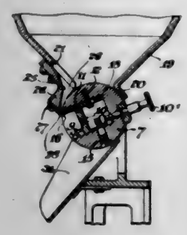
1,563,756. CIGAR BUNCHING. BERNARD LIBERMAN, Philadelphia, Pa. Filed Mar. 29, 1922. Serial No. 547,671. 8 Claims. (Cl. 131—39.)



1. In a scrap bunching machine, the combination of means forming a measuring pocket, movable to and from receiving and discharging positions, means for delivering scrap tobacco thereto, a knife forming a margin of the pocket, means for adjusting the position of said knife, a second knife secured to a stationary part for cooperating with the first knife for shearing off scrap projecting from the pocket.

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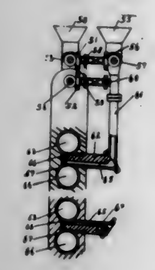
1,563,757. ROASTING MACHINE. JAKOB LIEBERHERR, Islikon, Switzerland. Filed Jan. 9, 1923. Serial No. 611,636. 3 Claims. (Cl. 263—25.)



1. In a roasting device the combination of several roasting cylinders, helical conveyers rotating in the cylinders, arrangement for changing the speed of the helical conveyers, passages between the roasting cylinders, means inserted in such passages and which may be used either as an inlet or an outlet for material.

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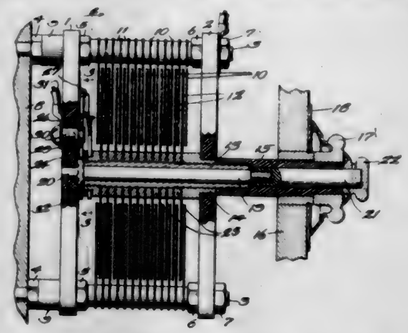
1,563,758. CONDENSER. JOHN F. LINDBERG, Chicago, Ill., assignor to Reliance Die and Stamping Company, Chicago, Ill., a Corporation of Illinois. Filed July 5, 1922. Serial No. 572,872. 4 Claims. (Cl. 250—41.)

1. A condenser including the two elements thereof; a hollow shaft upon which one of said condenser elements is mounted and itself mounted to turn whereby the condenser element carried thereby is made adjustable with respect to the other condenser element; a second shaft within the hollow shaft and adapted to



turn with respect thereto; and speed reducing cam and lever mechanism establishing turning connection between the second shaft and the adjustable condenser element.

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1,563,759. SINTERING MACHINE. JOSEPH R. LINNEY, Lyon Mountain, N. Y., assignor to Chateaugay Ore & Iron Co., Lyon Mountain, N. Y., a Corporation of New York. Filed Feb. 15, 1924. Serial No. 693,009. 6 Claims. (Cl. 266—21.)

1. In a sintering machine, a train of separate pallets or grates, an endless track for the same including a loading and combustion portion, a discharge portion, a return portion located below the loading and combustion portion, and means for elevating the pallets or grates from the return portion to the loading portion of the track, said track being longer than the train of separate pallets or grates to provide expansion space for the same, the return portion of the track being provided with means to prevent separation between the pallets or grates at and around the said delivery portion.

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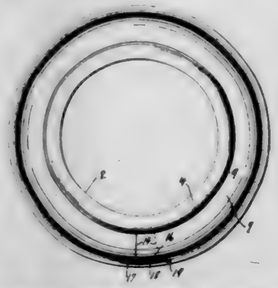
1,563,760. TIRE COVER. MARTIN B. LOETSCHER, Hollywood, Calif. Filed Dec. 4, 1922. Serial No. 604,952. 4 Claims. (Cl. 150—54.)



1. A cover for a tire rim having a tire thereon comprising an element engaging one side of the tire terminating in a crimped flange surrounding the tire peripherally, a second element adapted to engage the other

side of the tire being split transversely and terminating in a flange adapted to be sprung over the crimped flange for firmly engaging the same, and means for locking the tire at the split comprising ratchet teeth associated with one end of the second element, and a spring member associated with the other end having ratchet teeth adapted to engage the former teeth.

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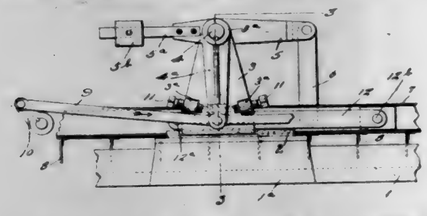
1,563,761. MEANS FOR CONVERTING MOTION. HUGH B. LOWDEN, Denver, Colo., Filed Feb. 29, 1924. Serial No. 695,949. 2 Claims. (Cl. 74—14.)



1. Mechanism for imparting motion to an element in a substantial rectangular closed path comprising a slider, a bell crank pivotally supported thereby having substantially horizontal and vertical arms, means for limiting the oscillation of the bell crank, push and pull means connected to the vertical arm of the bell crank, flexible means connecting said element to the horizontal arm of the bell crank, and connecting means apart from said horizontal arm preventing horizontal and permitting vertical movement of said element relative to said slider.

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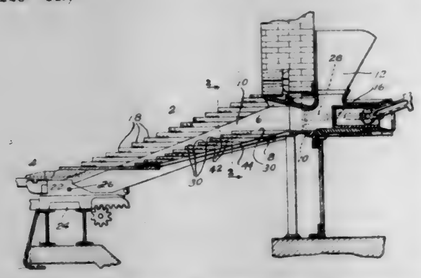
1,563,762. STOKER. EDWIN LUNDGREN, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1923, Serial No. 668,798. 4 Claims. (Cl. 110—44.)



1. A furnace having, in combination, a downwardly and rearwardly inclined fuel retort having side walls longitudinally movable and a downwardly and rearwardly inclined bottom wall, tuyère structures mounted on said side walls, means for reciprocating said side walls longitudinally and for feeding fuel into the forward end of the retort, and a row of tuyère blocks one upon the other in overlapping relation mounted on the inclined bottom wall of the retort spaced a distance below the top surfaces of said first mentioned tuyère structures and extending substantially the width of the retort.

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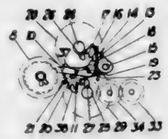
1,563,763. CALCULATING MACHINE. CONRAD LUTTROPP, Stockholm, Sweden, assignor of one-half to Anders Lindahl, Stockholm, Sweden. Original application filed Aug. 13, 1923, Serial No. 657,148. Divided and this application filed Apr. 22, 1925. Serial No. 25,091. 3 Claims. (Cl. 235.)

3. A calculating machine, comprising a counting register containing a plurality of numeral wheels, two shafts having series of projections and adapted to be rotated in opposite directions, pinions constantly engaging said numeral wheels, a swingable carrier for each of said pinions, a lever engaging said carrier and adapted to



shift said carrier so as to bring the corresponding pinion into operative position in relation to either of said shafts, and projections on said carriers adapted to be acted upon by the projections of either shaft for returning the carrier into normal position.

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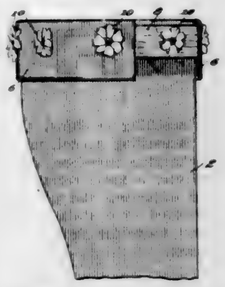
1,563,764. STOCKING. WALTER J. MCCLELLAND, East Orange, N. J. Filed Mar. 25, 1925. Serial No. 18,314. 6 Claims. (Cl. 2—240.)



1. A stocking having a main leg portion, a two ply top portion permantly secured to the leg portion, an endless elastic web adjacent the top portion and between the plies thereof, and cooperating fastening means on said web and top portion to detachably secure the web in position.

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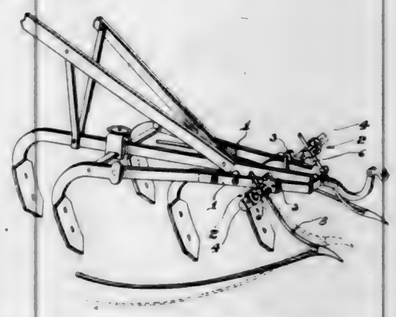
1563,765. VINE TURNER. CHARLES T. MCCREADY, Onley, Va. Filed July 14, 1925. Serial No. 43,599. 1 Claim. (Cl. 97—192.)



In a device of the class described in combination, a bracket, a bar integral and at right angles with the said bracket, a movable clamp, a widened portion at one end of the said clamp having a curved slot therein, the other end of the said clamp being thickened, means for allowing a vine turner to pass through the said thickened portion of the said clamp, set screws opposite each other for clamping the said vine turner in place, one of the set screws acting as a pivot on which the said clamp swings, another screw passing through the said curved slot and a slot in the said bar, the said clamp adapted to move parallel with the said bar and swing on said bar and be fastened to the said bar.



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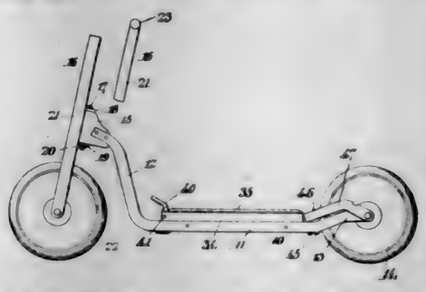
1,563,766. VEHICLE. WILLIAM E. MCLAREN, Los Angeles, Calif. Original application filed Apr. 16, 1924, Serial No. 706,820. Divided and this application filed Mar. 12, 1925. Serial No. 14,977. 3 Claims. (Cl. 188—20.)



1. In a scooter vehicle, a foot board, front and rear wheels supporting said board, a bracket at the rear of said board, a rod slidable in said bracket, a yoke at the rear end of said rod, a roller in said yoke adapted when the rod is moved rearwardly to engage said wheel, a pedal at the front of said board connected to said rod, and a spring associated with said rod and bracket and normally holding said rod retracted.

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1,563,767. FACIAL DEVICE. SADIE MACDONALD, New York, N. Y. Filed May 28, 1923. Serial No. 641,963. 3 Claims. (Cl. 128—76.)

1. In a facial device, in combination, a pair of tabs each having an adhesive material upon one face and a plurality of loops upon the other face capacle of receiving an ordinary hair pin whereby the hair of the wearer may be made to cover the tabs and extensible means connecting the two tabs.

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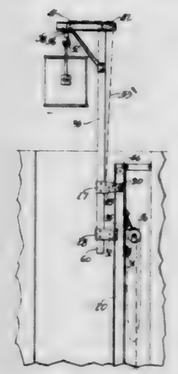
1,563,768. AUTOMATICALLY-EXTENSIBLE HOISTING MAST. PHILIP H. MALLINCKRODT, Salt Lake City, Utah. Filed June 7, 1922. Serial No. 566,604. 4 Claims. (Cl. 212—64.)

1. In a device of the kind described, a mast portion adapted to movably engage a second mast portion and to be longitudinally guided therealong, a sheave on the said first mast portion, a second sheave on the said first mast portion at a point below the first sheave, another sheave mounted on the said second mast portion at a point above the said second sheave of the first mast portion, a wrapping connector having one end depending from the first sheave, while the other end extends to, and around, the second sheave of the



first mast portion and around the other sheave of the second mast portion in the order named; a hoisting mechanism to which the other end of the wrapping connector may be attached, a stop portion located on the said wrapping connector at a point below the said first sheave, and a stop portion located on the said first mast portion at a point between the said first sheave and the said first stop portion.

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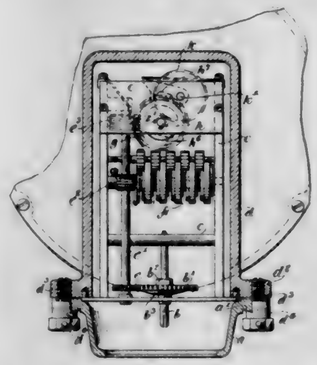
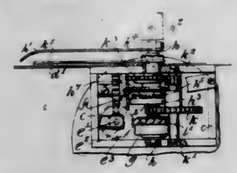
1,563,769. REGISTER FOR LIQUID-DISPENSING APPARATUS. WILLIAM L. MARDEN, New York, N. Y., assignor to Neptune Meter Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 29, 1924. Serial No. 752,837. 3 Claims. (Cl. 235—94.)



1. In a regulator for liquid dispensing apparatus having a meter, a casing for the meter and registering devices adapted to be actuated by the meter mechanism, a casing for the registering devices rotatably mounted on the meter casing and means to secure the two casings together in relatively adjusted position, and means within the register casing for operatively connecting the registering devices with the meter mechanism adapted to permit relative rotation of the casings without operating the meter mechanism or the registering devices.

1,563,770. REGISTER FOR LIQUID-DISPENSING APPARATUS. WILLIAM L. MARDEN, New York, N. Y., assignor to Neptune Meter Company, New York, N. Y., a Corporation of New Jersey. Original application filed Nov. 29, 1924, Serial No. 752,837. Divided and this application filed May 12, 1925. Serial No. 29,681. 5 Claims. (Cl. 235—144.)



5. In a registering mechanism comprising a driving shaft, a unit indicator shaft carrying a unit pointer and having a resetting handle, and transmitting gearing between the driving shaft and the indicator shaft, a clutch forming a part of said gearing adapted to transmit rotation to the indicator shaft and to permit it to be independently rotated, a sleeve mounted on the indicator shaft and carrying a pointer, a pinion on the indicator shaft, a gear mounted frictionally on the sleeve, a parallel shaft having a gear in engagement with the pinion on the indicator shaft and a pinion in engagement with the gear on the sleeve, means to couple the indicator shaft and the sleeve for resetting, a stop cam and a co-acting pawl on the sleeve and indicator shaft, a second stop cam on the sleeve, and a stop pawl in operative relation with said second stop cam.

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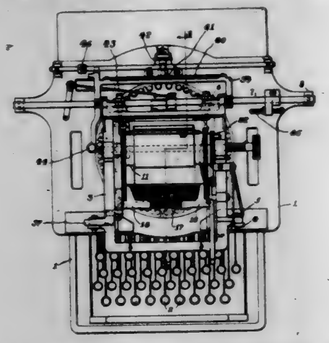
1,563,771. STENCIL ATTACHMENT FOR TYPEWRITERS. JOHN J. MASON, Brooklyn, N. Y., assignor, by mesne assignments, to Underwood Typewriter Company, a Corporation of Delaware. Filed July 22, 1921. Serial No. 486,735. 4 Claims. (Cl. 197—135.)



1. In a typewriting machine, a rotatable platen, a flat-bed card holder mounted to reciprocate tangentially to the platen, an inked ribbon carried by said card holder in position to be engaged by the typing members of the machine to type inked characters on the card in one position of said card holder.

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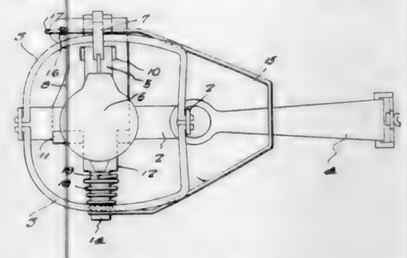
1,563,772. ANIMAL TRAP. EDWARD E. MAY, Parker, S. Dak. Filed Feb. 23, 1924. Serial No. 694,695. 2 Claims. (Cl. 43—90.)

1. An animal trap of the class described comprising a jaw carrying base member, a pair of cooperating jaws pivotally mounted upon said member, resilient means for closing said jaws; trip mechanism in association with said member and jaws for holding the latter open, a base plate extending at right angles to said jaw carrying member and provided with hooks to take over said member, and a U-shaped retaining member pivotally connected at one end with said plate, having a coiled spring at its opposite end connected



with said plate, having its bight portion contacting said jaw closing means, and having the intermediate portion of its arms disposed beneath and engaged with said jaws for assisting in closing the latter.

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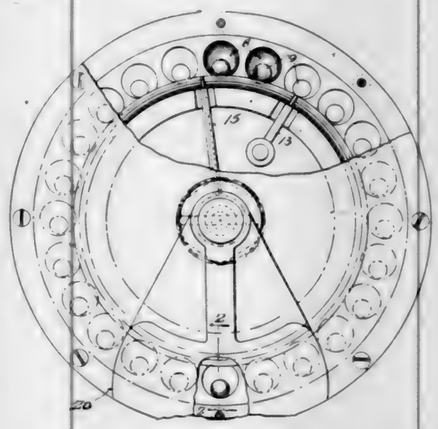
1,563,773. CENTRIFUGALLY-OPERATED CIRCUIT BREAKER. GEORGE WASHINGTON MEYERS, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Aug. 20, 1919. Serial No. 318,773. 7 Claims. (Cl. 200—80.)



1. In a centrifugally operated circuit breaker, the combination with a rotating shaft, of a member mounted on said shaft to rotate therewith, said member having a circumferentially extending channel therein, an insulation ring in said channel, conductor rings carried in said insulation ring, said insulation ring being provided with pockets in which said conductor rings are exposed for electrical contact and means in said pockets for bridging said conductor rings.

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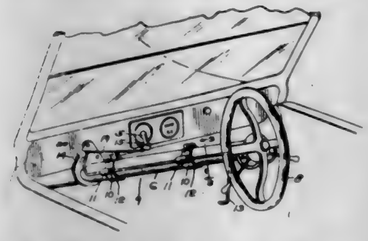
1,563,774. HEADLIGHT-OPERATING DEVICE. OTTO A. MEYER, Winchester, Ind. Filed July 10, 1925. Serial No. 42,723. 1 Claim. (Cl. 74—39.)

The combination with the steering column of an automobile, of split adjustable clamps carried thereby, each clamp being provided in its side with an outwardly bulging pocket having its inner side open, adjustable means to contract each split clamp, a rock shaft entering through the pockets, rubber sleeves carried by the rock shaft and located within the pockets and arranged



to contact with the steering column, the friction upon the sleeves being regulated by adjusting the tension of the split clamps, a crank connected with the lower



end of the rock shaft, means connecting the crank with the automobile instrument, and a second crank connected with the upper end of the rock shaft and arranged near the steering wheel.

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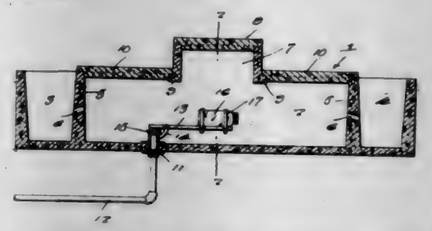
1,563,775. AUTOMATIC HOG WATERER. JAMES MILLER and HENRY GRUBER, Nehawka, Nebr. Filed June 12, 1925. Serial No. 36,649. 2 Claims. (Cl. 119—78.)



1. An automatic hog waterer comprising a substantially rectangular trough, vertical partitions arranged therein to form a central supply compartment and end drinking compartments, said partitions having transverse downwardly inclined openings therein for the passage of water from the central compartment to the end compartment, and an extension on the top of the central compartment at the intermediate portion thereof forming the main hole, a cover therefor, laterally extending flanges formed on the opposed sides of the lower portion of the said extension, and covers supported on the upper ends of the partitions and the adjacent flanges.

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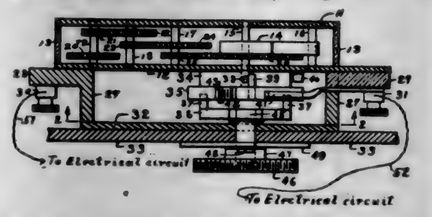
1,563,776. AUTOMATIC CUT-OFF SWITCH FOR RADIO RECEIVING SETS. FREDERICK G. MITCHELL, Ridgefield Park, N. J. Filed Dec. 6, 1924. Serial No. 754,350. 3 Claims. (Cl. 200—35.)




2. In an automatic cut off switch for an electric circuit of a radio receiving set a clockwise mechanism, a spring arbor therein, a driving member secured to said arbor, to rotate therewith, an engaging means carried by said member, a driven member carrying a corresponding means to be impelled by said engaging means, and forming therewith a one way clutch, to turn said driven member in one direction and to allow said driven member to be turned in the same direction independently of said arbor, an electrical conductor in sliding contact with said driven member, thereby completing said circuit, and a means on said driven member for automatically separating said conductor therefrom, thereby breaking said circuit.

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1,563,777. SAFETY CATCH. EUGENE MOREHOUSE, Providence, R. I., assignor to B. W. Ballou & Co., Inc., Providence, R. I., a Corporation of Rhode Island. Filed July 1, 1924. Serial No. 723,536. 4 Claims. (Cl. 24—157.)

1. A safety catch having a body member, a keeper member rotatably mounted in said body and having an operating handle projecting outwardly beyond the margin of the body member, a detent protuberance on said body extending beyond the margin thereof into the path of movement of said arm, whereby said arm is sprung past the protuberance in moving to and from closed position.

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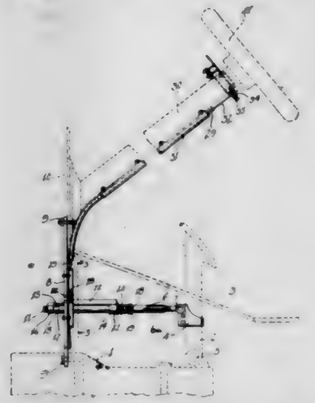
1,563,778. NEUTRAL LATCH FOR PLANETARY TRANSMISSIONS. ROLLA E. MUDD, Chicago, Ill. Filed Dec. 8, 1924. Serial No. 754,643. 2 Claims. (Cl. 74—39.)



1. The combination with a motor vehicle having a transmission and a pedal for actuating said transmission in low speed, neutral and high speed positions, of a bolt associated with said pedal, a latch, means for normally drawing said latch in engagement with said bolt, whereby said pedal is locked against movement to low speed position, and manually actuated means for releasing said latch, whereby said pedal may be moved to low speed position at will, said bolt being movable with respect to said pedal, whereby said pedal may be moved from high speed to neutral position at all times.

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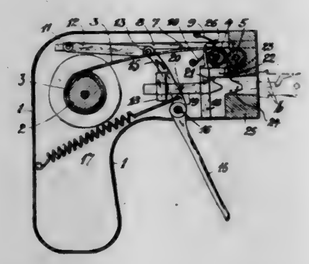
1,563,779. APPARATUS FOR MANUFACTURING LIGATURES AND THE LIKE. JOSEF AUGUST NORDIN, Stockholm, Sweden, assignor to Aktiebolaget Stille-Werner, Stockholm Sweden, a Corporation of Sweden. Filed Oct. 18, 1923. Serial No. 669,395. 6 Claims. (Cl. 140—123.)

1. An apparatus for the automatic manufacturing of ligatures comprising in combination a casing, a device for feeding the wire from a reel, a combined cutting and

shaping device comprising a slide movable in a direction transverse to the path of the wire and having a chisel-shaped end, tong jaws, said casing having an opening adapted to receive the jaws of the tongs, a dent



on said slide, a stationary edge co-operating with said dent whereby during the forward movement of the slide the end piece of the wire fed forward is cut off and at the same time bent and forced into the jaws, and a manually operable member actuating said device.

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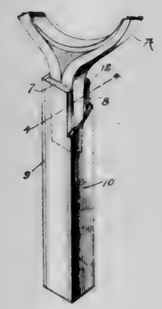
1,563,780. HANDLE STRUCTURE FOR TENNIS RACKETS. CLYDE A. OVENSHIRE, Berkeley, Calif., assignor to California By-Products Company, San Francisco, Calif., a Corporation of California. Filed Mar. 11, 1924. Serial No. 698,546. 3 Claims. (Cl. 273—73.)



1. A tennis racket comprising a head and handle section, said head being formed of a hoop bent to form the head and the ends of the hoop being joined and extended to form an extension, and said handle consisting of a center section provided with a central recess for the reception of the joined hoop extensions and forming a glue joint therefor, and means for covering the hoop extensions and the glue joint.

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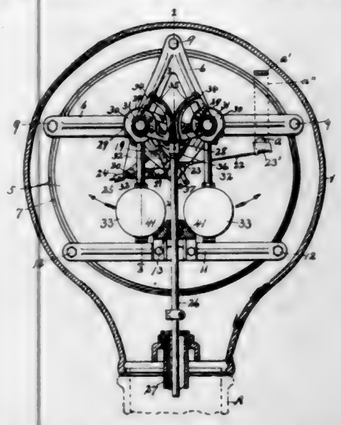
1,563,781. WEIGHING SCALE. CHARLES E. PAGE, Baldwinsville, N. Y. Filed May 17, 1923. Serial No. 639,673. 3 Claims. (Cl. 194—47.)

1. In a weighing scale of the character described, a pair of segmental bearings movable about parallel horizontal axes, a pair of bands each having one end connected to one segmental bearing and its other end connected to the other segmental bearing to cause said bearings to move in unison, means actuated by the object to be weighed for moving said bearings about their axes, additional beans for returning the bearings to their starting positions; a stop actuated by the first-named



means, and the coin controlled weight operated means cooperating with said stop for indicating the weight of the object being weighed.

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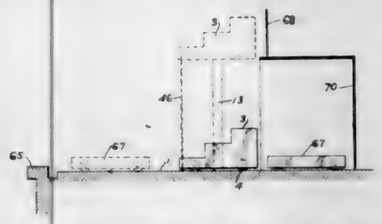
1,563,782. THEATRICAL NOVELTY. JACK A. PARTINGTON, San Francisco, Calif. Filed Mar. 24, 1925. Serial No. 17,999. 9 Claims. (Cl. 20—1.123.)



1. A theatrical novelty comprising in combination with a stage and a track thereon, a platform supported on and movable along the track to a plurality of positions on the stage, and power means normally beneath the stage for elevating the platform from the track and stage in one of such positions.

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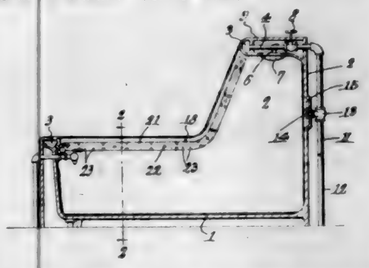
1,563,783. SELF-CLEANING BATHTUB. LEON R. PAUL, Chicago, Ill. Filed Sept. 24, 1925. Serial No. 58,393. 3 Claims. (Cl. 4—181.)



1. A bath tub having an overhanging hood portion, there being a passage within the rim of the hood portion for the reception of water, said passage being provided with spaced longitudinal slots opening through the inner wall of the hood portion, means for directing water into the rim, and an apertured plate flush with the inner surface of the hood portion and bridging the slots, said plate constituting means for directing jets of water inwardly and downwardly against the opposite wall of the hood portion and tub.



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1,563,784. TRUNK. MAYME J. PEPPARD, Minneapolis, Minn. Filed July 18, 1921. Serial No. 485,445. 4 Claims. (Cl. 211—16.)

1. The combination, with a trunk having a wardrobe compartment, of stationary guides mounted therein, rails slidable in said guides, a cross rod between said rails, flexible means connecting said rod with said guides for limiting the outward movement of said rails, bars slidably supported by said rails and having flexible means connecting them with said rod for limiting the outward movement of said bars, and garment hangers supported by said bars.

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1,563,785. SPACING FASTENER FOR WIRE SCREENS. ISAAC PETERSON, Berkeley, Calif. Filed Sept. 17, 1924. Serial No. 738,256. 3 Claims. (Cl. 72—118.)

1. Means for fastening a wire screen in spaced relation to a wall comprising a hollow, rectangular form open on two opposing sides presenting a solid flat base adapted to be placed against the wall, slanting sides and a top forming a saddle, with a single central perforation in the top and a registering perforation in the base allowing a nail to be driven through the form into the wall and allowing a strand of wire to be confined in the saddle by the head of the nail.

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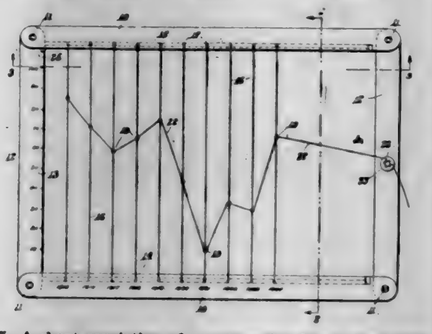
1,563,786. ADJUSTABLE CHART. ROSWELL F. PHELPS, East Dedham, Mass. Filed Dec. 16, 1924. Serial No. 756,239. 6 Claims. (Cl. 116—130.)



5. A chart consisting of a rectangular frame, two parallel bars which are provided with grooves in their inner faces; a plurality of wires having heads on opposite ends thereof positioned in said grooves and movable endwise therein; a datum member on each wire adjustable lengthwise thereof each member having a slot therein to receive said wire and a thread passage therethrough perpendicular to said slot; and a thread inserted through said passages and connecting all of said datum members.

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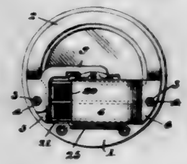
1,563,787. TELEPHONE RECEIVER. ALBERT PIHL, Murray, Utah, assignor to Holliday Radio & Manufacturing Company, a Corporation of Utah. Filed Oct. 25, 1922. Serial No. 596,729. 10 Claims. (Cl. 179—119.)



1. A telephone receiver comprising a ring member, a U-shaped permanent magnet carried by said member, pole pieces attached to the ends of the magnet and extending toward each other, a spool retained in position by said pole pieces, two oppositely wound coils on said spool, an opening through the center of said spool, an armature pivoted to the spool within said opening, a diaphragm carried by the ring member, and means connecting one end of the armature to the diaphragm.

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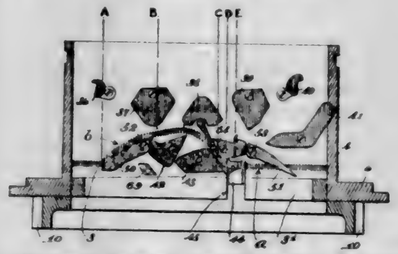
1,563,788. CAM BOX FOR KNITTING MACHINES. JOSEPH PARKS PRIMM, Rome, Ga., assignor of one-fourth to Henry R. Berry and one-fourth to John M. Berry, both of Rome, Ga. Filed June 14, 1924. Serial No. 720,030. 7 Claims. (Cl. 66—21.)



1. The herein described process consisting of drawing needles in a cylinder machine below the sinkers to loop stitches thereupon, causing a relative motion of the coacting sinkers preparatory to holding the looped stitches upon the needles, raising the needles until the looped stitches rest immediately below the hooks where they are held by the sinkers, maintaining said hooks in the aforesaid position thereby preserving an initial looseness in the looped stitches until a subsequent thrust of the needles wherein the latches clear the stitches, and thrusting the needles through said stitches that the latches may clear the stitches preparatory to forming new stitches; said initial looseness permitting said thrusting through of the needles without distorting the stitches.

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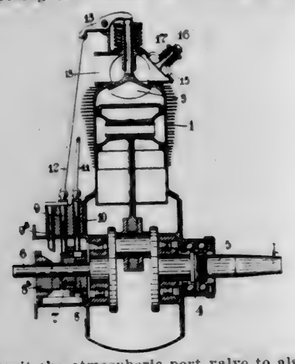
1,563,789. VALVE MECHANISM OF INTERNAL-COMBUSTION ENGINES. CHARLES BENJAMIN REDAUP, Leeds, England. Filed Nov. 29, 1924. Serial No. 752,964. 3 Claims. (Cl. 123—75.)

1. In an internal combustion engine, a cylinder provided with an intake and an exhaust port, engine operated valves for controlling said ports, an exhaust gas passageway communicating with the exhaust port, an atmospheric port in the exhaust gas passageway arranged in close proximity to the exhaust valve and functioning to admit atmospheric air to said passageway during the exhaust stroke for cooling the passageway and exhaust

valve, a valve for controlling the atmospheric port, and means for opening the exhaust valve during the suction



stroke to permit the atmospheric port valve to also admit cooling air to the passageway, for cooling the exhaust valve during the suction stroke of the engine.

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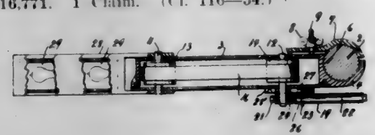
1,563,790. SIGNALING DEVICE. JESSE MITCHELL REID, Pullman, Wash. Filed Feb. 3, 1923. Serial No. 616,771. 1 Claim. (Cl. 116—54.)



In a vehicle signaling device, a bracket arm having one end adapted to be fixedly secured to the vehicle in such position as to extend outwardly therefrom, an operating shaft rotatably mounted adjacent to the connected end of the arm, a signal carrying shaft journalled adjacent to the outer free end of the arm, pulleys on said shafts, and an endless belt connecting said pulleys.

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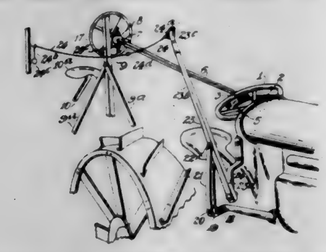
1,563,791. DISTANCE CONTROL ATTACHMENT FOR TRACTORS. WILLIAM BETTS RICHARDSON, Dockers Plains, via Wangaratta, Australia. Filed Apr. 10, 1924. Serial No. 705,679. 3 Claims. (Cl. 180—77.)



1. Means for controlling the steering wheel of a tractor from a trailer including a socket member, a universal joint connecting the front end of the socket member to the steering wheel of the tractor, a ball mounted for universal movement on the trailer, and having a bore, and an auxiliary steering wheel having a rod passing through said bore and extending into the socket, said rod and socket being constructed to turn in unison.

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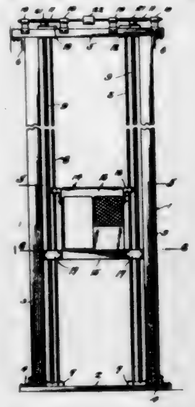
1,563,792. CABLELESS ELEVATOR. JOHN H. RICKARD, Lexington, N. C. Filed May 6, 1925. Serial No. 28,483. 2 Claims. (Cl. 187—24.)

2. In a device of the class described, a frame, lead screws having their lower ends mounted in the lower portion of the frame against lateral movement, driving elements on the lead screws and located above the upper portion of the frame, a carriage, guides mounted at their upper and lower ends in the corresponding portions of the frame and spaced from the side portions of the frame, brackets on the carriage, the brackets being slidable on



the guides, and lead screws being threaded into the brackets, and anti-friction bearings interposed between the driving elements and the upper portion of the frame, the anti-friction bearings carrying the entire weight of the lead screws and the carriage, and effecting a suspension of the lead screws and the carriage.

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1,563,793. PROCESS FOR APPLYING METALLIC COATINGS TO POROUS BASES. KURT RIPPER, Vienna, Austria, assignor to Fritz Pollak, Vienna, Austria. Filed Aug. 21, 1923. Serial No. 658,594. 13 Claims. (Cl. 204—8.)

1. A process for applying metallic contings to non-metallic porous objects, which process consists of rendering the surfaces to be coated conductive by means of conductive substances in such a degree of dispersion, that the particles thereof are of smaller size than the pores of the base, and thereafter effecting the galvanization.

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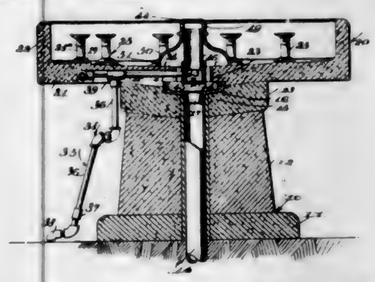
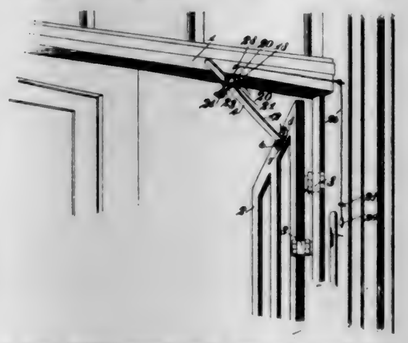
1,563,794. DRINKING FOUNTAIN. WILLIAM ROBERTS, Springfield, Ohio. Filed Sept. 24, 1923. Serial No. 664,581. 3 Claims. (Cl. 299—12.)



1. A drinking fountain including a pedestal having a central vertical opening, a drain pipe in said opening, a bowl supported on said pedestal and including a bottom and a rim, the bottom having a central drain opening communicating with the drain pipe and having its upper surface sloping to said central drain opening, a plurality of bubble cups arranged in the bowl around the rim and discharging into the bowl, the underside of the bottom of the bowl being provided with a plurality of slots, and pipes for supplying water to said bubble cups arranged in said slots.



1,563,795. DOOR HOLDER. WILLIAM ROBERTS, Springfield, Ohio. Filed May 26, 1924. Serial No. 716,028. 1 Claim. (Cl. 292—278.)



A door holder comprising a bracket adapted to be attached to a door adjacent to the upper inner corner of the latter, a vertical pivot element carried by said bracket, a latch bar having an opening in one end portion thereof through which said vertical pivot element extends, a guide bracket attachable to the under face of the upper cross member of the frame of said door and having a guide way in which said bar may slide, said guide bracket being rotatable about a vertical axis, said bar having a transverse notch in its lower face at a certain point along its length, said notch having the wall thereof proximate to the free end of the bar inclined slightly in respect to the horizontal and having the other wall thereof inclined slightly toward the free end of the bar and at a relatively sharp angle to the horizontal, and a gravity latch pivotally supported on said guide bracket in position to engage with said notch when the door has been swung to open positnon and to then cooperate with said bar to hold said door against return from open position to its closed position, said latch having the free end portion thereof enlarged and relatively heavy, said enlarged end portion of the latch having a serrated lower face.

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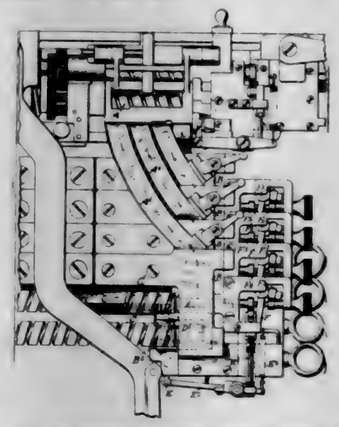
1,563,796. TYPOGRAPHICAL DISTRIBUTING MACHINE. JOHN R. ROGERS, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Feb. 5, 1924. Serial No. 690,683. 18 Claims. (Cl. 199—39.)



1. In a typographical distributing machine equipped with matrices formed with projecting ears, the combination of a matrice distributor, a reciprocating finger for delivering the matrices successively to the distributor, and means to cooperate with the ears of the matrices for advancing the latter into the range of action of said reciprocating fingers.

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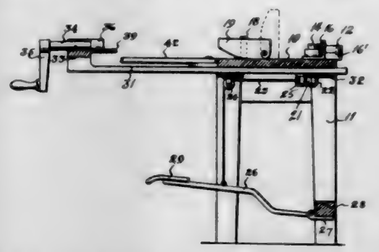
1,563,797. MACHINE FOR FORMING GARMENT HANGERS. BENJAMIN J. RYAN, Dallas, Tex. Filed Jan. 3, 1922. Serial No. 526,466. 8 Claims. (Cl. 140—71.)



1. In a wire forming machine, a support, a pair of swinging wire forming arms having their adjacent ends pivoted on the support and adapted to engage and bend a wire, forming projections carried by the support and over which the wire is bent by the arms, a deflector blade mounted on the support and co-operating with the arms to bend the free ends of the wire outardly, a wire twisting device slidably mounted to engage and twist the ends of the wire upon themselves, said wire twisting device being provided with means for displacing the deflector blade from between the ends of the wire, and a hook forming device comprising a swinging support carrying a hook forming element aranged to receive one of the ends of the wire and form the same into a hook when rotated in reverse directions.

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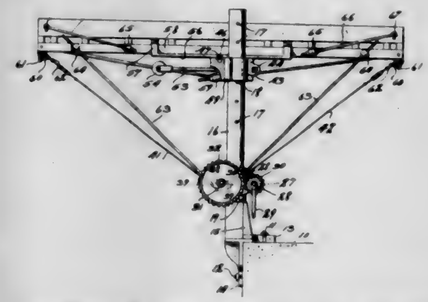
1,563,798. APPARATUS FOR CONSTRUCTING THIN CONCRETE WALLS AND ERECTING THE SAME. JOHN M. SARGEANT, Elmira, N. Y. Filed Apr. 18, 1925. Serial No. 24,173. 9 Claims. (Cl. 25—1.)



1. In combination with a permanent wall foundation, spaced supports extending upwardly from said foundation, upper and lower journal castings carried by each support, a framework supported from the upper journal castings for rotation to a horizontal or vertical position, a shaft journaled in the lower journal castings and means for connecting said shaft with said framework for raising and lowering the framework or to rock the framework upon its pivot.

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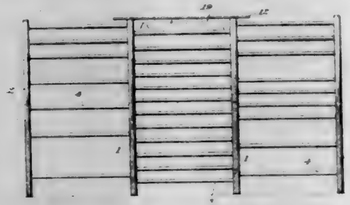
1,563,799. ADJUSTABLE KNOCKDOWN BOOKSTAND AND SHELVING. FRANZ J. SCHERER, Gregory, S. Dak. Filed July 28, 1922. Serial No. 578,144. 2 Claims. (Cl. 211—27.)

1. An adjustable article of furniture comprising vertical posts provided with vertical sets of inner and

outer horizontal sockets to enable the posts to be used in either a central or side unit, said posts having projecting upper ends, supporting bars having terminal portions adapted to be fitted in the said perforations and to offset the said supporting bars from either side face of the corner posts, a top shelf provided in its lower face with sockets receiving the upper projecting ends of the said posts and holding the posts against outward displacement, shelving arranged upon the supporting



bars and provided with transverse cleats depending at the outer side faces of the supporting bars and engaging the same, said cleats being provided with upwardly projecting portions and the upwardly projecting portions immediately below the top shelf being provided in their inner faces with vertical recesses and a longitudinal bracing member arranged edgewise and having its ends fitted in the said vertical recesses and forming a support for the top shelf.

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1,563,800. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 2, 1922. Serial No. 591,774. 12 Claims. (Cl. 197—127.)

1. In a typewriting machine, a platen, collating means for guiding two sheets in the machine, side by side, feed-rollers co-operating with the platen to feed one of the sheets without affecting the other, and a clamp for co-operating with the collating means to clamp the second sheet.

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1,563,801. BACKSTRAP FOR DRAFT ANIMALS. JOHN E. SMITH, Fremont, N. C. Filed July 9, 1925. Serial No. 42,384. 5 Claims. (Cl. 54—38.)

3. A back strap for draft animals comprising a V-shaped metallic strap adapted to straddle the back of a draft animal, bearing blocks adjacent each end of the back strap, each bearing block having a countersunk recess in the bottom face thereof, a snap fastener mounted on each bearing block, a bolt for connecting the lower end of the back strap and the snap fastener to each of said bearing blocks, the head of said bolt being received within the countersunk recess, lower bearing blocks, chains between the lower bearing blocks and the first mentioned bearing blocks, the upper ends of the chain being engaged by the snap fasteners on the first mentioned bearing blocks, snap fasteners secured to the lower bearing blocks adapted to engage the traces of the harness, and bolts extending through the lower bearing blocks and adapted to connect the lower ends of the chains and the trace engaging fasteners to the lower bearing blocks.

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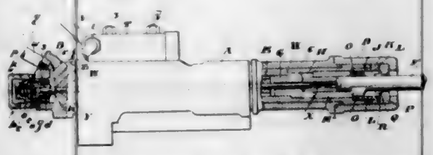
1,563,802. WATER-TUBE CONNECTION. WILLIAM A. SMITH, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 20, 1925. Serial No. 31,505. 4 Claims. (Cl. 121—10.)



1. In a fluid actuated rock drill, the combination of a cylinder with a back head, a conical seat in said back head, a water tube extending through the cylinder, a bulb on said tube, and a spring pressed plunger for holding the bulb in fluid tight contact with the conical seat.

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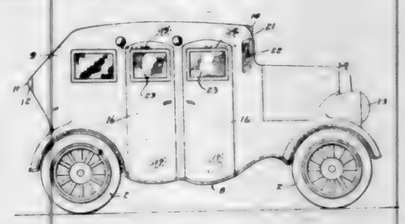
1,563,803. VEHICLE BODY. ROBERT LEE SOUTHERN, Berkeley, Calif. Filed Feb. 15, 1923. Serial No. 619,241. 1 Claim. (Cl. 296—28.)



An enclosed body and engine hood for passenger motor vehicles, comprising a shell adapted to extend laterally and longitudinally over the upper segments of the ground wheels of the vehicle and extending vertically along the sides of the body in unbroken lines and flush with the portions overhanging the wheels, the said sides of the body converging slightly at their upper ends and joined by an arched roof and further joined at their rear ends by an arched end wall, the said sides being further provided intermediately with door openings extending through the lower edges thereof together with doors disposed in the said openings, and a reinforcing lip around the entire lower edge of the shell.

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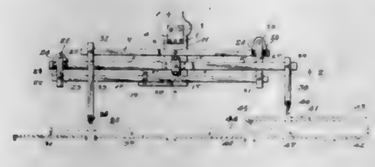
1,563,804. DRAFT EQUALIZER. EDWARD R. SPELLMAN, Walla Walla, Wash. Filed Feb. 4, 1924. Serial No. 690,561. 1 Claim. (Cl. 278—6.)

A draft equalizer comprising a draw plate adapted to be secured at its rearward end to one end of an agricultural implement, a pair of spaced apart draft beams extending transversely across the draw plate and each being pivotally attached intermediate its ends to the draw plate, a balancing beam extending transversely



across the draw plate in advance of said draft beams, motion transmitting means swingingly connecting one end of said balancing beam to the adjacent end of one of the draft beams, other motion transmitting means



connecting the other end of said balancing beam with the adjacent end of the second draft beam, and means whereby draft animals may be hitched to the second ends of said draft beams.

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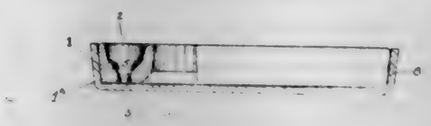
1,563,805. CIGAR AND CIGARETTE EXTINGUISHER. MAX STENZLER, Philadelphia, Pa. Filed Oct. 24, 1922. Serial No. 596,655. 2 Claims. (Cl. 131—51.)



2. A cigar and cigarette extinguishing device including an ash try having a bottom and an upwardly extending wall, and an open marginal frame arranged within the ash tray and fitting the wall thereof and provided at intervals with cigar and cigarette receiving and extinguishing openings and having a horizontal bottom face surrounding the lower ends of the said openings and supported upon the bottom of the tray which forms a lower end wall for the said openings to prevent down draft therethrough and cause an extinguishing of cigars and cigarettes, the lower face of the said frame being beveled at the inner edge beyond the lower ends of the openings to form a hand hold for removing the frame from the tray, said openings consisting of an upper downwardly tapered cigar receiving portion, a lower tapered cigarette receiving portion of less diameter than the said upper portion, and an intermediate downwardly tapered portion presenting inclined walls arranged at a different angle from the walls of the said upper and lower portions of the openings.

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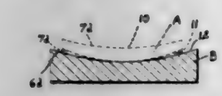
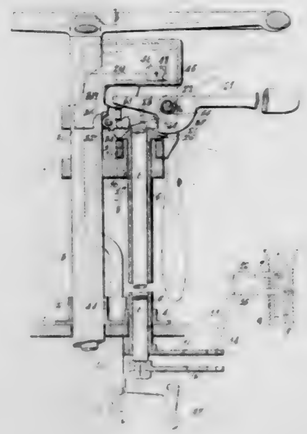
1,563,806. OPHTHALMIC LENS. EDGAR D. TILLYER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 6, 1925. Serial No. 41,734. 4 Claims. (Cl. 49—84.)



1. A process for producing ophthalmic lens blanks consisting in providing a glass blank with a finished spherical surface and an accurately formed toric surface, placing the blank on a block having a spherical surface, and changing the finished surface to toric form by dropping the blank, under the action of heat, on the block with its originally formed toric surface contacting the block.



1,563,807. GEAR-SHIFTING AND CAR-LOCKING MECHANISM FOR MOTOR VEHICLES. JOHAN KONRAD TUERCK, Portland, Oreg. Filed July 14, 1924. Serial No. 726,038. 16 Claims. (Cl. 74—39.)



1. In apparatus of the class described, the combination with a plurality of gear selecting shafts, a shifting lever adapted to selectively operate said shafts, means to hold the shaft not selected against action during operation of the selected snaft, and means restraining said lever against moving one of said shafts in one of two directions when the apparatus as a whole is located at a predetermined inclination to the horizontal.

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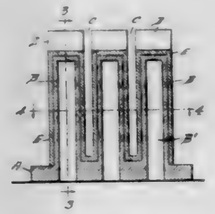
1,563,808. MANDREL FOR BATTERY JARS. JAMES H. WAGENHORST, Jackson, Mich. Filed Oct. 10, 1921. Serial No. 506,655. 3 Claims. (Cl. 18—45.)



1. In a battery jar mandrel a base, and a plurality of spaced cell froming portions extending upwardly therefrom, the area of the base being greater than the areas of the cell portions whereby a lateral edge is provided, said cell portions having an enveloping covering of lead or an alloy rich in lead.

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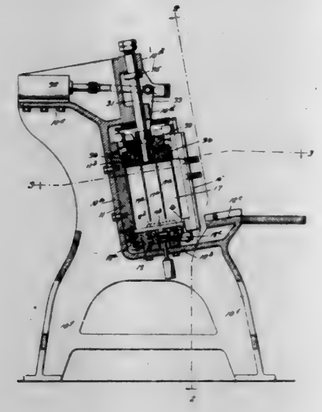
1,563,809. BATTERY-JAR-FORMING MACHINE. JAMES H. WAGENHORST, Jackson, Mich. Filed Dec. 24, 1921. Serial No. 524,647. 13 Claims. (Cl. 18—19.)

1. In a battery jar forming machine, the combination with foldable means for supporting a sheet of

stock substantially vertical and a mandrel contacting with a section of said foldable means, said section of



the foldable means being fixed and adapted to maintain the mandrel stationary while the sheet of stock is folded around said mandrel.

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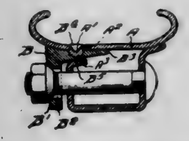
1,563,810. DEMOUNTABLE RIM WITH ATTACHED CLAMPING LUG. JAMES H. WAGENHORST, Jackson, Mich. Filed June 12, 1923. Serial No. 644,968. 2 Claims. (Cl. 301—19.)



1. A demountable tire-carrying rim having an inwardly-projecting bead with a pair of spaced apertures formed therein and an attached lug having an inwardly-extending portion provided with a bolt hole and an axially-extending portion comprising a single tongue, lying along the inner side of the base of said rim, and provided with spaced outwardly-extending riveting studs, extending through said apertures and riveted over, and a depression between said studs receiving the portion of said bead between said apertures.

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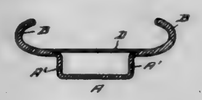
1,563,811. RIM FOR TIRES AND METHOD OF MAKING THE SAME. JAMES H. WAGENHORST, Jackson, Mich. Filed Mar. 3, 1924. Serial No. 696,499. 4 Claims. (Cl. 152—20.)



1. A rim for a wheel body comprising an inwardly extending portion, and oppositely disposed tire engaging flanges, the said flanges being of greater thickness than the said central portion, said flanges being provided with oppositely disposed shoulders; and a filler inserted in said rim and having its edges in engagement with said shoulders.

1,563,812. RESISTANCE DEVICE AND WELDING WIRE. ALFRED ERNEST WALLER, Bronxville, N. Y., assignor to Ward Leonard Electric Company, a Corporation of New York. Filed July 6, 1921. Serial No. 482,721. 2 Claims. (Cl. 201—67.)

1. A resistance device comprising a support, a resistor, a welded joint between said resistor and an external lead, and an insulating coating covering said resistor, joint and support, said joint comprising an auxiliary welded piece of high resistance metal.

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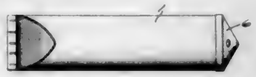
1,563,813. CLOSURE FOR FLUID CONTAINERS. GEORGE WASHINGTON, Jr., and ROBERT COLLER, Brooklyn, N. Y. Filed Nov. 18, 1924. Serial No. 750,540. 5 Claims. (Cl. 221—60.)



1. A closure device for fluid containers and the like, which device comprises a rigid wall section for the container provided with a discharge port and having a sleeve which extends inwardly from a projection in said wall and has its inner end shaped to form a section of a helix, combined with a cap adapted to closely fit the exterior of said rigid wall section provided with a perforation adapted to register with the discharge port in said wall section and rigidly mounted on a shaft journalled in said sleeve, the inner end of said shaft having a radial projection adapted to engage the helically shaped inner end of said sleeve, whereby, when said cap and shaft are rotated in a direction to swing said cap perforation out of registry with said discharge port, said projection from the shaft rides up the inclined surface of the inner end of said sleeve and thereby pulls said cap against the container wall and forms a fluid tight closure of the said discharge port.

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1,563,814. WHISK. STEPHEN G. WILSON, Philadelphia, Pa. Filed Apr. 30, 1924. Serial No. 709,962. 7 Claims. (Cl. 15—171.)

1. In a whisk, the combination with a dowel stick having an undercut slot at its outer end, of a tubular handle slidable on said stick, and a key arranged in the upper end of the handle having a head adapted to



enter the slot in the stick, said head being provided with a diverging side adapted to be rotated to engage the undercut wall of said dowel stick slot for interlocking said parts, and releasable means for holding said parts in interlocked position.

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1,563,815. COMBINATION TOOL. ANTHONY F. WISNESKE, Detroit, Mich. Filed Aug. 8, 1924. Serial No. 730,893. 1 Claim. (Cl. 7—8.)

A tool including a head having a pick point provided with a transverse opening which is elongated longitudinally of the point, a hammer head having a socket in which is received the pick point and transverse openings alining with the outer portion of the elongated opening, the tool head having a shoulder at the base of the pick point against which the said hammer head bears, and a bolt disposed through the openings of the pick point and hammer head and threaded into one of the openings of the hammer head.

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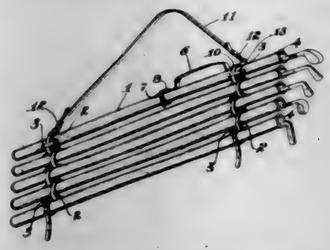
1,563,816. GOLF BAG. CHARLES C. WORTHINGTON, Dunfield, N. J. Filed July 21, 1922. Serial No. 576,419. 14 Claims. (Cl. 150—1.5.)



1. A golf bag of variable capacity made up of separate tubes each tube being adapted to hold but a single club and means for connecting said tubes flexibly and separably, said tubes forming a series the members of which may be in the same plane or which may be rolled up in circular or other formation and means secured to the series for carrying the bag.

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1,563,817. BROOM HOLDER. RICHARD G. WRIGHT, Waterford, Conn. Filed June 18, 1924. Serial No. 720,790. 1 Claim. (Cl. 24—249.)

A broom holder including a base plate, a pair of spaced pivots mounted along the median dimension of the base plate, a pair of segmental spaced heads of the same design, and same relative dimension, each head having at its opposite ends arcuate edges, the arc at one end being of greater magnitude than the arc at the opposite end, the centers from the arcs of each head are struck, lying upon the median longitudinal dimension of the head, the edges and the opposite sides of each head being symmetrically disposed with relation to said median longitudinal dimension of the head, each head being provided upon its median longitudinal dimension with an opening, said openings loosely receiving said pivots, means for holding said heads in spaced relation to said base plate and swingable in the same

plane which is parallel to the plane of the base plate, a plurality of stop pins projecting from the base plate, two of said stop pins being disposed above the median dimension of the base plate and two therebelow, the upper stop pins being spaced farther apart than the pivots and the lower stop pins being spaced closer together than the pivots.

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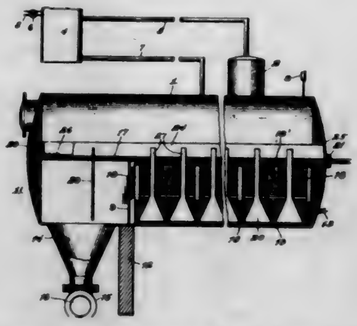
1,563,818. OIL-CRACKING AND CARBON-REMOVING METHOD AND APPARATUS. LINTON D. WYANT, Tulsa, Okla. Filed Mar. 20, 1922. Serial No. 545,275. 21 Claims. (Cl. 196—69.)

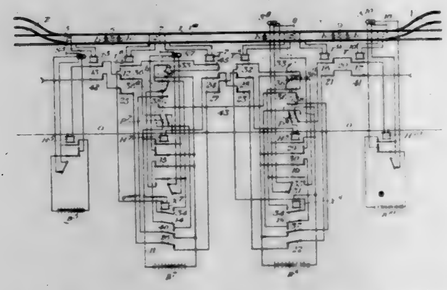


2. The process of cracking oil and removing carbon therefrom, which consists in heating a body of oil to cracking temperature, agitating the heated oil to maintain the liberated carbon more or less in suspension, ejecting portions of oil containing charges of carbon from the body of heated oil through pressure directly generated through the gases present in and as evolved from the body of oil and then separating the charges of carbon from the oil within the still and discharging the carbon so collected.

13. An oil cracking still having a heating and agitating chamber, means for agitating the body of oil in said chamber, a collector arranged above the level of the oil, conductors depending into the body of oil for the collection of evolved gases and upflow therethrough into said

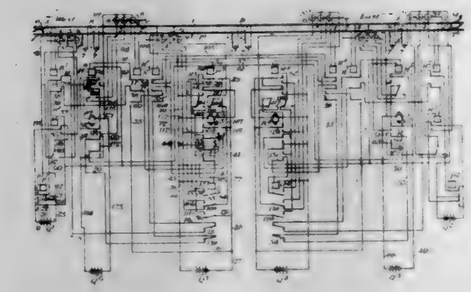
collector of portions of the oil and portions of carbon carried thereby by the pressure of said gases, and means for separating the carbon from the oil ejected into the collector and discharging the separated carbon from the still.

1,563,819. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HENRY S. YOUNG, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Jan. 4, 1924. Serial No. 684,293. 12 Claims. (Cl. 246—33.)



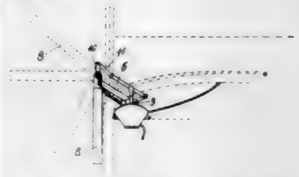
1. In combination, two successive signals governing traffic in the same direction, a line relay for the forward signal, a main circuit for the rear signal controlled by a front contact of said line relay, a normally de-energized auxiliary relay associated with said forward signal, means for energizing said auxiliary relay when a train moving in said direction passes said forward signal, a circuit controller associated with said forward signal and closed only when the signal indicates stop, and an auxiliary circuit for said rear signal controlled by a front contact of said auxiliary relay and by said circuit controller.

1,563,820. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HENRY S. YOUNG, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. a Corporation of Pennsylvania. Filed Feb. 20, 1924. Serial No. 694,038. 5 Claims. (Cl. 246—33.)



1. Railway traffic controlling apparatus comprising a stretch of railway track, a line relay comprising a normal contact and a reverse contact, means for controlling said relay in accordance with traffic conditions, a slow acting relay arranged to be energized whenever said line relay is energized, a stick relay controlled by said line relay and said slow acting relay, a trackway signal, means including a front contact on said stick relay and said reverse contact for causing said signal to display a caution indication, and means for causing said signal to display a proceed indication when said slow acting relay is energized and said normal contact is closed.

1,563,821. SIGNAL. HENRY CARL ZAUN, Oakland, Calif. Filed May 19, 1924. Serial No. 714,305. 3 Claims. (Cl. 116—54.)

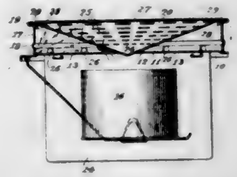


1. A vehicle signal comprising a bracket, a handle journaled on said bracket, an arm extending outwardly from said bracket, a signaling tube journaled at the end of said arm, a second arm pivoted above said first named arm, a link pivoted to said second arm and operatively connected to said tube, and a second link pivoted to said handle and to said second arm whereby said arm is swung to actuate said signal tube.

1,563,822. WASHING-MACHINE CYLINDER. CARL F. ANDERSON, Brookfield, Ill., assignor to Conlon Corporation, Cicero, Ill., a Corporation of Illinois. Filed Dec. 17, 1923. Serial No. 681,085. 8 Claims. (Cl. 68—18.)

5. In a washing machine cylinder, the combination of cylinder heads, a peripheral body portion between said heads comprising a plurality of sheet metal panels, lifters extending at their outer ends between the adjacent panels, tie means acting independently of said lifters to lock said panels together and to anchor said lifters at their outer ends, and means securing the inner ends of said lifters.

1,563,823. TOASTER. JOHN M. S. ANDERSON, Bridgeport, Conn., assignor to The General Machine and Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed July 17, 1923. Serial No. 652,027. 1 Claim. (Cl. 53—5.)

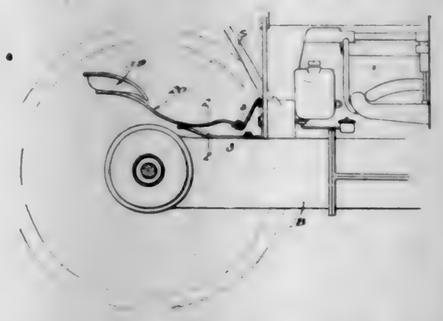


A toaster comprising an inverted conical plate having a horizontally extending flange at its edge, an upright wall surrounding said plate, said wall being split and having its upper edge bent upon itself to form a clamping rim, said clamping rim receiving the periphery of said flange to support the plate, means for drawing the



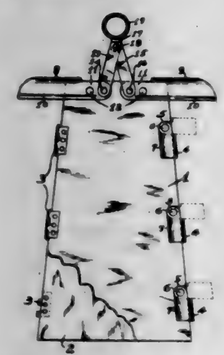
ends of said wall together to hold said rim and flange in contact, a grid supported above said plate and formed of separate spaced wires having their ends removably anchored in said flange adjacent said clamping rim.

1,563,824. SEAT SUPPORT FOR TRACTORS. ERNEST OLIVER BACHMAN, Santa Ana, Calif. Filed Mar. 10, 1923. Serial No. 624,252. 2 Claims. (Cl. 155—51.)



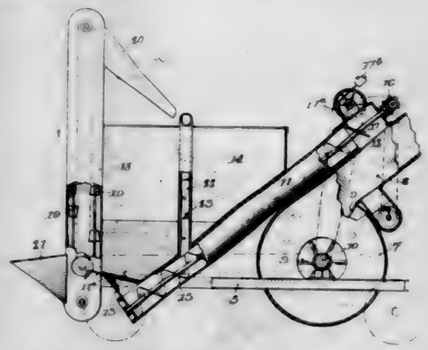
1. In combination, a pair of yieldable standards, a rod supported between the upper and free ends of said standards, a link member pivotally connected at its one end to said rod, a leaf spring having its one end rigidly secured to the remaining end of the link member and carrying a seat upon its other end, and a second leaf spring having its one end anchored and its other end slidably engaging beneath the first named spring for yieldably supporting the same.

1,563,825. APPARATUS FOR PRESSING AND CREASING TROUSERS. AUGUST BALDESBERGER, Pittsburgh, Pa. Filed Nov. 28, 1924. Serial No. 752,571. 3 Claims. (Cl. 100—57.)



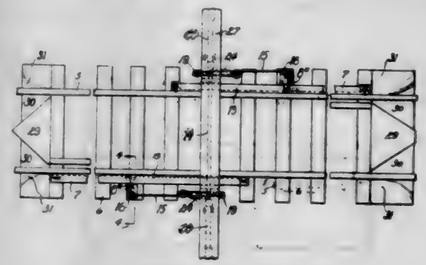
1. In combination, a device for the purpose set forth comprising a pair of pressing boards, each of said pair of pressing boards having its inner face formed with a centrally disposed longitudinally extending recess, a hinge element connecting the longitudinal edges of one side of said pair of pressing boards together, a plurality of clamping members pivotally connected to one of said pair of boards and shiftable to engage the longitudinal edges of the other side of said pair of boards when the latter are in the folded position, a pair of garment supporting clamps pivotally connected to the upper end of one of said pairs of boards and shiftable to engage the upper edges of said pair of pressing boards, a toggle bar pivotally connected with the inner end of each of said pair of supporting clamps, and a suspension element pivotally connected with said toggle bars, substantially as described and for the purpose set forth.

1,563,826. CONVEYER APPARATUS FOR GRAIN AND LIKE MATERIAL. GEORGE BERNERT, Milwaukee, Wis. Filed Feb. 9, 1920. Serial No. 357,450. 10 Claims. (Cl. 209—133.)



1. In a pneumatic conveyer mechanism, the combination of a material conveying air duct and a conveyer casing having a material inlet and outlet, the latter being in communication with said air duct, a conveyer within said casing for conveying material therethrough and into said air duct, a vent adjacent the inlet of said casing, and said vent releasing any back pressure contained within said casing.

1,563,827. AUTOMATIC MINE DOOR. GIUSTO BOGGIO, Royalton, Ill. Filed Sept. 4, 1925. Serial No. 54,455. 4 Claims. (Cl. 246—304.)



1. An automatic mine door comprising a frame, a bell crank lever supported in said frame adjacent its top, a door secured to and depending from said bell crank lever, a lever pivotally mounted intermediate its ends located adjacent said frame, a connection between one end of said lever and said bell crank lever, a flexible connection secured to the opposite end of said pivoted lever, and a lever mechanism secured to the opposite end of the flexible connection whereby said door is opened when the last mentioned lever mechanism is depressed.

1,563,828. COMBINED SHADE-ROLLER AND CURTAIN-ROD SUPPORT. JAMES H. BOYE, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 6, 1923. Serial No. 655,805. 3 Claims. (Cl. 156—22.)

1. A combination shade roller and curtain rod bracket, comprising a pair of forwardly projecting arms adapted

to support a shade roller and curtain rod respectively, said arms having integral overlapping base plates formed with equally spaced upper and lower holes, centering

means on said base plates for bringing the holes of the latter into register, and fastening screws passed through registering holes of said base plates.

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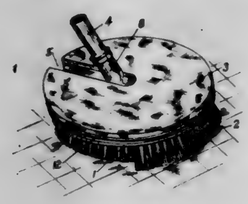
1,562,829. FLOOR POLISHER. FREDERICK GEORGE BROWN, Coogee, New South Wales, Australia, assignor to F. G. Brown Manufacturing Co., Batavia, Ill., a Corporation of Illinois. Filed June 15, 1923. Serial No. 645,674. 3 Claims. (Cl. 15—114.)



1. In a reversible floor polishing device having a double-faced head, means for releasably securing a polishing cloth over one face of said head, said means comprising a soft, resilient band exerting pressure on the periphery of said head and overlying the edges of said cloth, said band also projecting beyond the periphery of the head to serve as a bumper.

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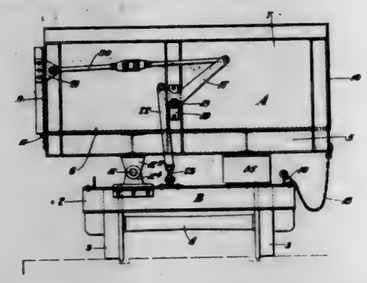
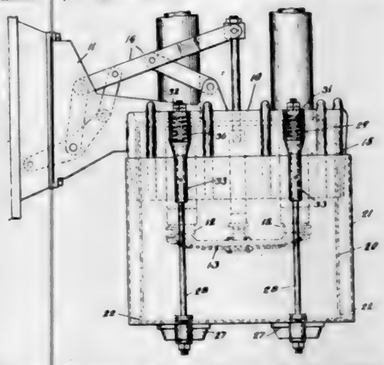
1,563,830. DUMP CAR. WILLIAM MILTON BROWN, Johnstown, Pa. Filed Feb. 26, 1925. Serial No. 11,678. 5 Claims. (Cl. 105—272.)



1. A dump car comprising a wheeled supporting frame, a body member pivotally mounted along one side of said frame and adapted to be raised into an inclined dumping position, one side wall of said body being hingedly mounted along the bottom of said body, at least one rocking lever mounted on said car body, a link connecting said lever and said hinged side wall of said body, and means supported on said wheeled supporting frame and cooperating with said rocking lever to rock said lever when said car body is raised and lowered, and thereby positively open and close said hinged side of said body.

1,563,831. ATTACHMENT FOR ELECTRIC SWITCHES. GEORGE A. BURNHAM, Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed May 14, 1920. Serial No. 381,466. 10 Claims. (Cl. 200—150.)



1. An attachment for a multi-pole electric switch comprising a plurality of oil receptacles each adapted to contain the switch members comprising a switch pole, an outer receptacles containing said oil receptacles adapted to catch oil expelled therefrom, and means removably to support the attachment in position about the switch members.

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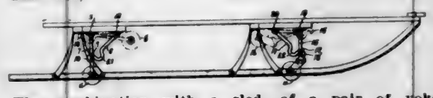
1,563,832. SLED. ROBERT BURRELL, New Haven, Conn. Filed Jan. 21, 1925. Serial No. 3,767. 1 Claim. (Cl. 280—11.)



The combination with a sled, of a pair of yokes mounted near the rear, rollers mounted in the lower ends of said sled and adapted to project below the runners thereof when in a vertical position, links pivotally connected with the sled and formed with hooks adapted to engage with said yokes, whereby they are locked in a vertical position, a pair of yokes pivotally connected to the underside of the sled, near the forward end thereof, rollers pivotally connected with said yoke and adapted to extend below the runners of the sled when in a vertical position, links pivotally connected with the underside of the sled, in line with said yokes, and formed with hooks adapted to engage with said yokes, whereby they may be held in vertical position.

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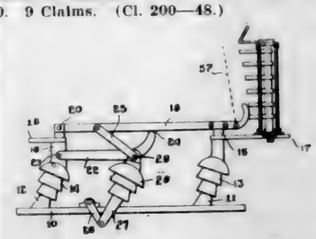
1,563,833. HIGH-TENSION AIR-BREAK SWITCH. CHRISTEN CHRISTENSEN, Chicago, Ill., assignor to Electrical Engineer's Equipment Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 5, 1919. Serial No. 342,640. 9 Claims. (Cl. 200—48.)



1. The combination with a high tension air break switch having a swinging arm, of a plurality of resistances substantially free of inductance having taps



arranged in the path of movement of the swinging arm to be cut into the circuit controlled by the arm as the same is swung, and an arcing horn in the path of movement of said arm.

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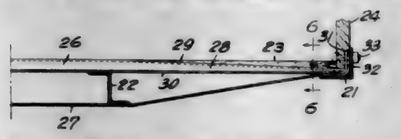
1,563,834. END STIFFENER FOR CARS. JAMES W. COLEMAN, Montreal, Quebec, Canada. Filed Nov. 27, 1923. Serial No. 67,265. 28 Claims. (Cl. 105—411.)



1. An end stiffener for cars comprising a compression member to be disposed in the thickness of the car end, and a tension member to be disposed externally of a car.

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1,563,835. END CONSTRUCTION FOR CARS. JAMES W. COLEMAN, Montreal, Quebec, Canada. Filed Nov. 27, 1923. Serial No. 677,266. 13 Claims. (Cl. 105—411.)

1. A car end comprising a series of integrally formed trusses, sheathing interposed between said trusses and forming with the trusses a complete end closure.

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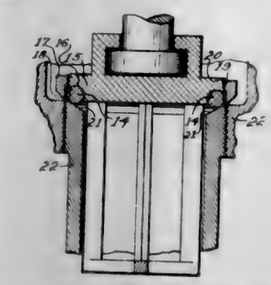
1,563,836. FLUID-TIGHT JOINT. RALPH COPP, St. Louis, Mo., assignor to Pevely Dairy Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 19, 1923. Serial No. 675,556. 4 Claims. (Cl. 285—122.)



3. In combination, a pair of members and an annular packing element of round cross-section therebetween, one of the said members having a cylindrical screw-threaded surface disposed at right angles to the plane of and concentric with the packing, the said surface being retracted at its forward corner portion to form a groove of semi-circular cross-section to receive the said packing; and a retaining ring for the said packing having a cylindrical surface screw-threaded at its rear portion to fit the screw-threads of the grooved member and provided at its forward end with a laterally projecting flange engaging the packing element to hold it in position on the grooved member.

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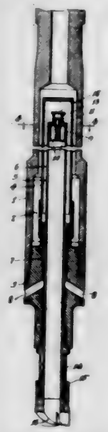
1,563,837. CORE DRILL. ROLAND R. CRUM, Whittier, Calif. Filed Aug. 12, 1922. Serial No. 581,431. 11 Claims. (Cl. 255—72.)



1. In a core drill, a body having a tubular shank providing a circulation water chamber, an imperforate tubular member carried by the body and extending upwardly into the shank, said tubular member having a closed upper end and providing an independent discharge chamber, a centrally disposed core barrel carried by the body and extending upwardly into the discharge chamber, the body having independent discharge ports communicating with the discharge chamber, a tubular core bit aligned with the core barrel, and outer boring cutters carried upon the lower end of the body.

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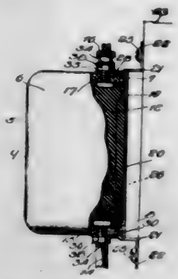
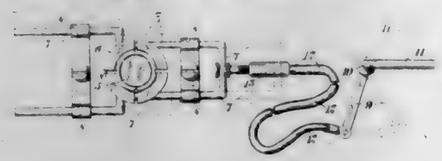
1,563,838. MOUNTING FOR FRANGIBLE CONTAINERS AND THE LIKE. JAMES C. DALEY, Chicago, Ill., assignor to Jefferson Electric Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 20, 1924. Serial No. 751,036. 5 Claims. (Cl. 220—1.)



1. A sheet metal back for containers of the class described provided with lateral flanges for engaging internally within the container and between opposite sides thereof, lateral portions for receiving the container be-

tween them and for externally engaging opposite sides of the container, means for securing the container to said back and means on said back for attaching the container to a support.

1,563,839. STARTING DEVICE FOR INTERNAL-COMBUSTION ENGINES. THOMAS HERBERT DENNIS, Salisbury, Rhodesia. Filed May 29, 1925. Serial No. 33,840. 3 Claims. (Cl. 123—186.)



2. In an internal combustion engine, in combination, an engine starting mechanism having a movable operating member, a projection on said member, a slidably mounted rod adapted to be moved into position to engage said projection and prevent operation of said starting mechanism, an ignition timing lever, and means for connecting said timing lever to said slidable rod so that the rod is moved into locking engagement with said projection when the timing lever is advanced.

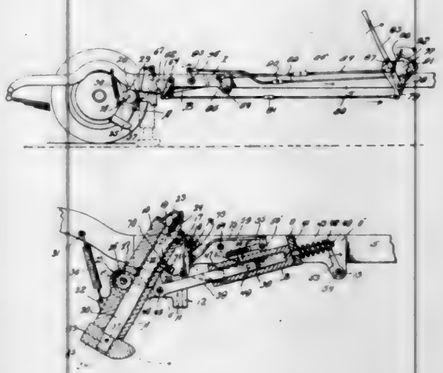
1,563,840. COTTER-PIN PULLER. HENRY D. DIRKS, Marion, Iowa. Filed Sept. 11, 1924. Serial No. 737,091. 3 Claims. (Cl. 29—86.1.)

1. A cotter-pin puller, comprising a hooked plunger, serrated for successive engagement of a dog, a tubular guide therefor provided with a hand-hold disposed laterally of the guide, to form a pistol grip, a lever pivoted to the hand-hold, and a dog connecting with the lever to engage the serrations of the plunger.

1,563,841. CRUPPER. DEE R. ELLIS, Eminence, Ky. Filed July 13, 1925. Serial No. 43,272. 3 Claims. (Cl. 54—22.)

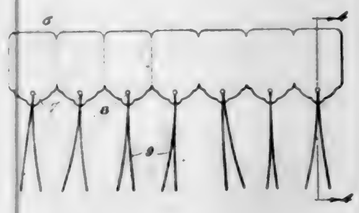
1. A crupper comprising two heel plates adaptable to the buttocks of an animal, a cross bar connecting the heel plates, and strap supporting and guiding elements on the cross bar and at the lower ends of the heel plates.

1,563,842. COMBINATION BRAKE AND JACK MECHANISM FOR AUTOMOBILES. ELMER FERRY and CORA FERRY, Buffalo, N. Y. Filed May 7, 1925. Serial No. 28,703. 7 Claims. (Cl. 188—5.)



2. In combination, a vehicle, a member including an outer section and an inner section telescopically associated, said inner section provided on one edge with ratchet teeth, and on its other edge with rack teeth, a rack gear journaled in the outer section for engaging the rack teeth, a pawl slidable in the outer section and engageable with the ratchet teeth, means for rotating the gear for extending the inner section, means normally holding the inner section in a retracted relation to the outer section, means normally holding the pawl out of engagement with the ratchet teeth, means for swinging the member to an engaging position, and means operable when the member is in an engaging position for holding the pawl in an active position in relation to the ratchet teeth.

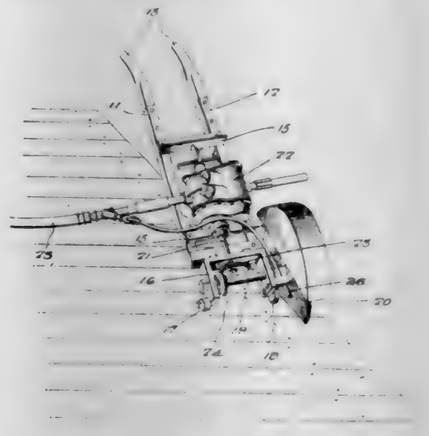
1,563,843. TAG STRIP. CARL A. FLOOD, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a Corporation of Massachusetts. Filed May 2, 1924. Serial No. 710,570. 4 Claims. (Cl. 40—2.)



1. The combination of a strip of tags integrally joined together and separate cords individual to the respective tags, the strip being formed of a single layer of sheet material and having openings spaced from one edge thereof in the successive tags respectively, each opening having a slit leading therefrom in the body of said sheet toward said edge and said cords being anchored in said slits to extend along opposite sides of said sheet toward and beyond said edge, the thickness of said strip being confined to the thickness of said layer throughout the entire extent thereof, whereby the strip may be fed through a printing or cutting machine without interference by the usual cord knots and reinforcing rings around the cord openings.



1,563,844. SAWING MACHINE. WILLIAM H. GERLACH, Huntington, W. Va. Filed Oct. 1, 1923. Serial No. 665,973. 1 Claim. (Cl. 143—43.)

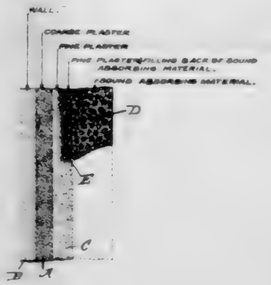


In a sawing machine, a main frame including longitudinal and transverse elements, a second frame, of U form, having its central portion connected with one end of the frame first named, a shaft passing transversely through the side elements of the U frame, a saw mounted on the shaft and positioned beyond the side elements of both frames, a motor mounted on the main frame and including a shaft extending through the central portion of the U frame and gearing for driving the transverse shaft from the shaft of the motor, said gearing being within the second frame, of U form.

1,563,845. CIGAR LIGHTER AND STAND. HENRY JOSEPH GRIESHABER, Chicago, Ill. Filed Oct. 27, 1924. Serial No. 746,213. 9 Claims. (Cl. 219—32.)

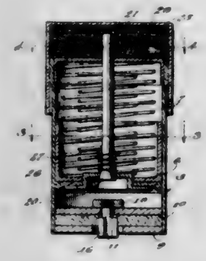
1. A device of the kind described comprising a base, a hollow standard arising therefrom, conductor tracks extending longitudinally within said standard, non-conductor tracks continuing below said first-named tracks, a lighter unit, a conductor cord leading from said unit into said standard, a weight connected with the inner end of said conductor cord and movable upon said tracks, and contact members carried by said weight and engaged with said tracks and having electrical connection with said conductor cord.

1,563,846. SOUND-ABSORBING PLASTER AND METHOD OF APPLYING SAME. RAFAEL GUASTAVINO, Bay Shore, N. Y., assignor to R. Guastavino Co., New York, N. Y., a Corporation of Massachusetts. Filed Sept. 23, 1925. Serial No. 58,147. 4 Claims. (Cl. 72—17.)




1. An acoustical wall or ceiling structure including a coat of binding material and a finishing coat of porous acoustical material intermingled at its back therewith forming a zone between the two coats of diminishing porosity.

1,563,847. GAUGE. GEORGE H. HALL, Hannibal, Mo.; Emma A. Wilson executrix of said George H. Hall, deceased. Filed June 20, 1924. Serial No. 721,267. 5 Claims. (Cl. 137—53.)

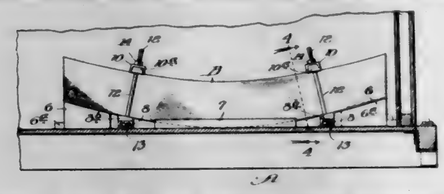


1. A tire gauge comprising a cylindrical body having forward and rear end walls, a valve carried by said forward end wall, a piston in said body and forming therewith a pressure chamber in the body between the piston and the said forward end wall, a relief valve carried by said piston, said relief valve being provided with a stem slidable through the rear end wall of the body, and a cap adjustably mounted on said cylindrical body and arranged in the path of travel of said stem to unseat the relief valve when the piston moves rearwardly beyond a predetermined extent.

1,563,848. ANTISHIFTING MEANS FOR PILED METAL SHEETS. WILLIAM J. HAMMOND, Chicago, Ill. Filed May 20, 1925. Serial No. 31,552. 7 Claims. (Cl. 105—369.)

1. Anti-shifting means for piled metal sheets whereby to prevent their displacement, either singly or as a mass, while in transit, comprising a lower pile-supporting bar of a length to cause its ends to project beyond the sides of the pile said bar frictionally engaging the transporting vehicle in degree proportionate to the

weight of the sheets piled thereon, an upper bar extending across the top of the pile with its ends projecting beyond the sides thereof, means connecting the



ends of said bars, and tightening means co-operating with said bar-connecting means to confine the piled sheets between said bars.

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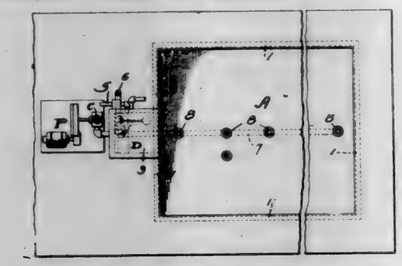
1,563,849. PROCESS FOR PURIFYING AND CIRCULATING WATER IN SWIMMING POOLS. FRANK E. HARTMAN, Scottdale, Pa., assignor to Electric Water Sterilizer & Ozone Company, Scottdale, Pa., a Corporation of Pennsylvania. Filed Apr. 22, 1922. Serial No. 556,049. 1 Claim. (Cl. 210—11.)



A process for purifying and circulating water in swimming pools which consists in introducing water at the bottom central portion of the pool at different points throughout its length in sufficient quantity to cause the surface water to continuously overflow uniformly over the overflow rail of the pool, thereby creating upwardly moving stream lines for assisting all foreign matter to the surface and carrying the same off with the surface water, then carrying the surface water to a strainer, subsequently purifying and heating the water, and finally returning the water to the pool.

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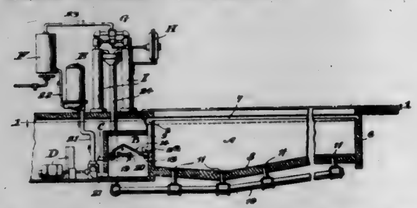
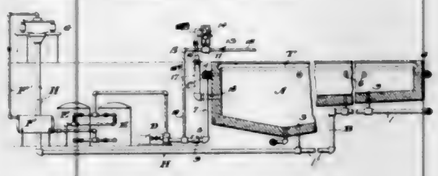
1,563,850. SWIMMING POOL. FRANK E. HARTMAN, Scottdale, Pa., assignor to Electric Water Sterilizer and Ozone Company, Scottdale, Pa., a Corporation of Pennsylvania. Filed Apr. 22, 1922. Serial No. 556,050. 5 Claims. (Cl. 210—11.)



1. A circulating system for swimming pools including an overflow gutter for removing the surface water and floating foreign matter, a sump device for receiving said overflow water, a strainer in said device for separating the foreign matter from the overflow water, a valved raw water inlet pipe communicating with the sump device piping for supplying water to the bottom of the pool, and heating and purifying means included in the circuit between the sump and the said piping.

1,563,851. SWIMMING POOL. FRANK E. HARTMAN, Scottdale, Pa., assignor to Electric Water Sterilizer and Ozone Company, Scottdale, Pa., a Corporation of Pennsylvania. Filed Apr. 22, 1922. Serial No. 556,051. 6 Claims. (Cl. 210—11.)



1. A circulating system for swimming pools including in combination, an overflow trough surrounding the pool, an influent piping system arranged at the bottom of the pool and communicating therewith, an effluent piping system arranged near the top of the pool and communicating therewith below the trough, and piping connections including a pump establishing communication between said systems.

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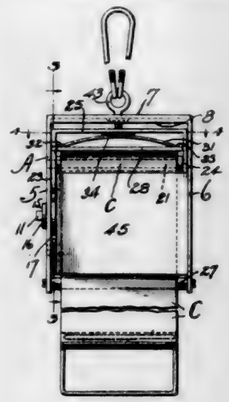
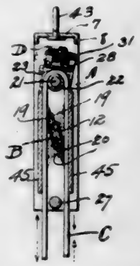
1,563,852. SAFETY-RAZOR STROP. HARRY BUXTON HARTMAN, Scottdale, Pa. Filed June 14, 1923. Serial No. 645,390. 5 Claims. (Cl. 51—63.)





2. A razor blade stropper including a main frame consisting of top and side members and a rocking frame also consisting of top and side members journaled on the main frame at the inside thereof and provided with a bearing rod, a strop doubled over said rod, a razor blade carrier disposed between and journaled in the side members of the said main frame, means connecting the rocking frame and the blade carrier for rocking the latter upon the movement of the rocking frame, and tensioning means carried by the



rocking frame and cooperating with the bearing rod and the outer face of the strop whereby the movement of the latter actuates the frame.

5. In a razor blade stropper, the combination with a main frame, including a bearing rod, of a strop re-bent over said rod, a rocking frame including spaced legs and a connecting portion, the legs embracing the strop and being fulcrumed on said rod, a razor blade carrier disposed between the end portions of the strop and journaled on the main frame below the rocking frame, means whereby the rocking frame engages said blade carrier to oscillate the same, a pressure plate disposed above the bearing rod and co-operating with the outer face of the strop, a bowed spring interposed between the connecting portion of the rocking frame and the pressure plate, said plate being provided with upwardly extending lugs to retain the spring in co-operative relation with said plate, and means for varying the tension of said spring.

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1,563,853. REFRACTORY MATERIAL AND METHOD OF PRODUCING THE SAME. WILLIAM A. HARTY, Blasdell, N. Y. Filed Nov. 18, 1921. Serial No. 516,226. 11 Claims. (Cl. 204—64.)

1. The method of producing fused substantially pure silica consisting in fusing sand in an electric furnace beneath an isolating layer of amorphous or crystalline silicon carbide.

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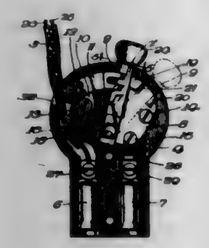
1,563,854. ELECTRIC SWITCH. RAYMOND R. HAUGH, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 553,854. 8 Claims. (Cl. 200—138.)



1. An electric switch provided with a thin laminated thermostatic blade, means for normally urging said blade edgewise to its open position, means for holding said blade in closed position, and means for manually operating said blade, said blade being adapted and arranged to open at a predetermined temperature by warping sidewise to avoid said holding means.

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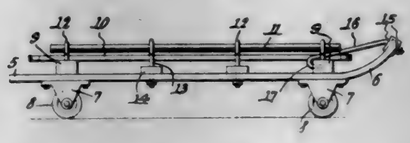
1,563,855. WATER COASTER OR TOBOGGAN. PAUL HELD, St. Cloud, Minn. Filed Apr. 22, 1925. Serial No. 25,156. 1 Claim. (Cl. 296—1.)



In a device of the character described, a body portion including a plurality of spaced members having their forward ends curved upwardly, transversely disposed bars secured to the spaced members and arranged adjacent to the ends of the body portion, substantially thin bars arranged transversely of the body portion and secured to the body portion at points adjacent to the first mention transversely disposed bars, eye bolts extending through the bars and spaced members to secure the bars to the spaced members, hand rails secured within the eye bolts, and a seat portion having its ends secured to the first mentioned transversely disposed bars.

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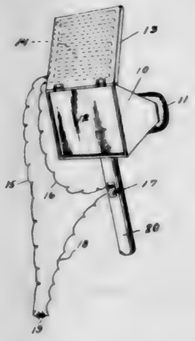
1,563,856. FLUOROSCOPIC SCREEN. ISAAC SETH HIRSCH, New York, N. Y. Filed Oct. 14, 1922. Serial No. 594,549. 15 Claims. (Cl. 250—34.)



11. The process of obtaining persistence of an image on a fluorescent screen consisting in applying heat to the surface of the screen.

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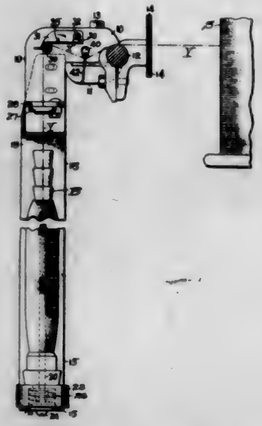
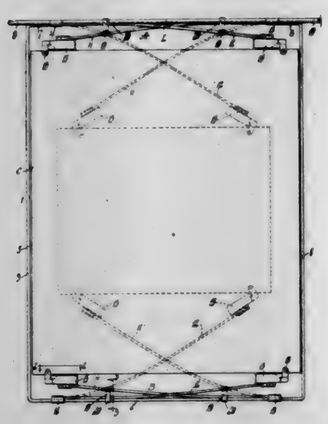
1,563,857. TENSION DEVICE FOR WINDING MACHINES. LEWIS T. HOUGHTON, Worcester, Mass. Original application filed July 7, 1916, Serial No. 108,063. Divided and this application filed Dec. 27, 1920. Serial No. 433,082. 4 Claims. (Cl. 242—153.)



4. In a winding machine, a winding device, a guide to deliver yarn directly to said winding device, a yarn tension mechanism, a bobbin holding spindle having its axis directed toward said tension mechanism, and means for supporting said guide, said tension mechanism and said spindle in fixed relation and closely adjacent to each other, said guide, said tension mechanism and said spindle forming one compact unit, and said winding device forming a second unit, and one of said units being relatively movable vertically to traverse the yarn on said winding device during the winding operation.

1,563,858. HOLDER FOR PHOTOGRAPHIC FILMS. DANIEL INGVE, Chelsea, Mass. Filed May 23, 1925. Serial No. 32,499. 7 Claims. (Cl. 95—100.)



1. A holder for a photographic film comprising, in combination, a frame, film supporting means located upon said frame and embodying therein a pair of resilient X arms, and means fast to each of said arms to grip a film and secure the latter thereto.

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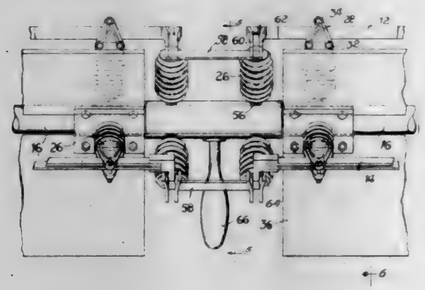
1,563,859. POLYPHASE BUS BAR. ERNEST H. JACOBS, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 31, 1921. Serial No. 457,403. 14 Claims. (Cl. 175—302.)



4. In a multiphase power installation, a set of conductors corresponding in number to the number of phases and extending substantially in parallelism, a second set of conductors similar to the first set, said sets of conductors having opposite ends substantially in alignment, and means rotatable about an axis parallel to both said sets of conductors for connecting and disconnecting corresponding conductors in two sets.

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1,563,860. TOW ROD. JOHN JACOBSON, Columbia Falls, Mont. Filed Mar. 6, 1925. Serial No. 13,545. 3 Claims. (Cl. 280—33.)

1. A tow rod including a series of tubular telescoping sections having cooperative guide means including internal grooves lengthwise of certain of the sections and outstanding lugs carried by certain sections and slidable in said grooves, said sections also having locking pins and openings engageable with one another whereby to lock the sections in the extended effective position.

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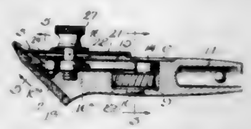
1,563,861. HAIR CLIPPER. STANLEY J. JEMBRZYCKI, Chicago, Ill. Filed Dec. 13, 1923. Serial No. 680,304. 1 Claim. (Cl. 30—1.)



In a hair clipper, the combination of a body, fixed and movable blades mounted at one end of said body and arranged at an angle oblique to the longitudinal axis of said body and forming a V-shaped space between the movable blade and the adjacent end surface of said body, a post anchored in said body adjacent said blades, driving mechanism mounted in a cavity formed in said body and comprising an oscillatory lever journalled on said post and having pivotal connection with said movable blade, through the medium of a pin and yoke connection, and a worm and worm wheel in driving connection with said lever, a cover plate for said recess having a portion extending to said movable blade, and provided with laterally spaced ears extending into the V-shaped space on either side of the point of pivotal connection of said lever with said blade, and a tension plate mounted on said post and having a marginal flange bearing upon said body and bearing lugs engaging said movable blade, and a nut on said post and adjustable to vary the pressure exerted by said tension plate on said blade.

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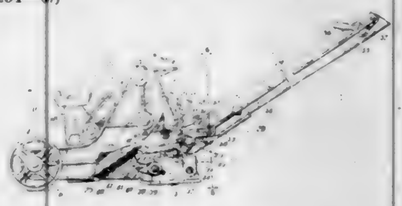
1,563,862. LIFTING JACK. GUNNAR JENSEN, Racine, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Dec. 22, 1924. Serial No. 757,420. 13 Claims. (Cl. 254—6.)



5. A lifting jack comprising a supporting carriage, a vertically movable lifting member, and connections between the carriage and lifting member for elevating and lowering the member comprising a link pivoted at one end to the lifting member and at the other end in the carriage, a ratchet segment formed on the link concentric with its pivot in the carriage, a hand-lever pivoted at one end in the carriage, a spring-pressed pawl mounted on the hand-lever adjacent its pivoted end and adapted to engage the ratchet segment, a spring-pressed locking pawl mounted in the carriage and also engaging the ratchet segment, a reversing member pivoted in the carriage and comprising cam portions adapted to engage the respective pawls and move them out of engagement with the ratchet segment, a spring tending to swing the reversing member to pawl-disengaging position, and connections extending from the reversing member to the operator's end of the handle adapted when in one position to hold the reversing member out of engagement with the pawls, and when in another position allowing the spring to move the reversing member successively into engagement with the pawls as the hand-lever is swung through its operating stroke.



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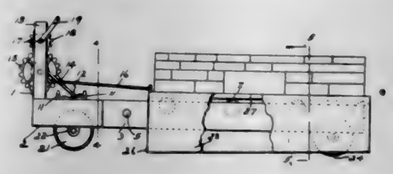
1,563,863. WAREHOUSE TRUCK. DANIEL WRIGHT JOYNER, Kansas City, Mo. Filed June 12, 1925. Serial No. 36,759. 1 Claim. (Cl. 214—84.)



A warehouse truck, comprising a bed disposed in an inclinde plane, a pivotally mounted pilot wheel bearing the forward end of said bed, independently mounted bearing wheels bearing the rearward end of said bed, a plurality of rollers journaled transversely of said bed and arranged to be turned by objects moved thereon, a portable body having an inclined plane platform movably mounted on said bed and bearing on said rollers, and pulling means mounted on said bed and adapted to pull said body over said rollers to load the truck and to regulate its travel on said rollers to unload the same.

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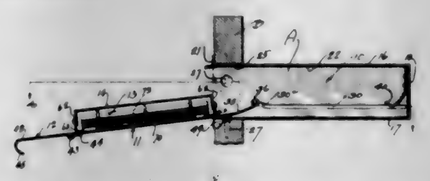
1,563,864. OPERATING AND MAINTENANCE RECORD FOR VEHICLES. OBEL JUVET, Ferndale, Wash. Filed Dec. 1, 1924. Serial No. 753,349. 19 Claims. (Cl. 281—1.)



1. In a maintenance record of the class described the combination of a casing having an opening therein, a supporting plate slidably connected to the casing so that it may be positioned within the casing or extended from the opening thereof in supported relation by said casing, and loose leaf binding means connected adjacent a side edge of said supporting plate.

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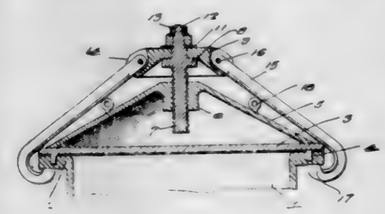
1,563,865. CLOSURE-PLATE-SECURING MEANS. MASTON VINCENT KELLY, Beaumont, Tex. Filed Dec. 27, 1924. Serial No. 758,398. 2 Claims. (Cl. 220—57.)

1. In combination with a flanged receptacle, and a closure plate therefor, of means for securing the closure plate on said flanged receptacle comprising a conical member fitting against the outer face of the closure plate, an adjusting screw threaded through the apex of the conical member, a ring-like member swivelly supported on the outer end of the adjusting screw, and a plurality of hooks pivotally secured to said ring and engaging the under side of the flange on the receptacle.



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1,563,866. PIPE. AARO KORTEJARVI, Fitchburg, Mass. Filed June 5, 1925. Serial No. 35,072. 1 Claim. (Cl. 131—12.)

In a device of the character described, a pipe having a neck portion provided with a recess in the smoke passage; a stem adapted to be received into the outer end of said recess, said stem having a main longitudinal opening, and at its inner end a parallel bore in communication with said opening; a tube adapted to be received into said bore at the inner end of the stem, with a portion of the tube projecting beyond said end; and a stem wiper extending into the inner end of the main opening of the stem and having a projecting portion wrapped around the projecting end of the tube, and also arranged to cover up the open end of the tube, said stem cleaner being of an absorptive nature.

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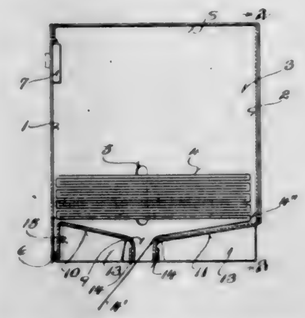
1,563,867. DISPENSING CABINET. ALBERT G. KRUEGER, Green Bay, Wis., assignor to Northern Corrugating Co., Green Bay, Wis. Filed Oct. 31, 1924. Serial No. 746,995. 1 Claim. (Cl. 211—29.)



A dispenser for interfolded sheets comprising a sheet metal cabinet having downwardly extending sides, a front member and a back member spaced apart and having downwardly turned portions adjacent their juxtaposed edges, said front member and said back member

each having downturned end portions fitted within the downwardly extending sides of the body portion and secured thereto, said front member having a downwardly extending front portion hinged to the front wall of said cabinet, said front wall being a separate member from the body portion of the cabinet, whereby said front member may be swung downwardly when it is desired to fill said cabinet.

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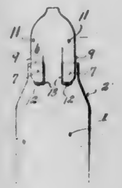
1,563,868. STOCKING AND METHOD OF MAKING. HARRY C. LANGER, Milwaukee, Wis. Filed Oct. 20, 1924. Serial No. 744,788. 4 Claims. (Cl. 66—4.)



1. The method of knitting a blank for a full-fashioned stocking comprising knitting the leg portion to the instep, throwing off stitches on opposite sides of the central instep, burying the central instep portion below the knock-over bits of the knitting machine, knitting heel tabs, and thereafter raising the buried central portion of the instep and knitting straight across the heel tabs and the central instep to form the foot portion.

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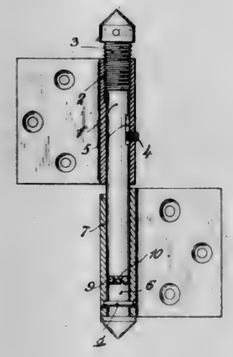
1,563,869. HINGE. ANDERS GUSTAF LARSON, Christiania, Norway. Filed Feb. 14, 1924. Serial No. 692,803. 1 Claim. (Cl. 16—134.)



In a hinge, the combination of a pair of leaves provided with superposed sockets, the upper socket having the upper portion of its internal surface formed with screw threads and the lower portion of said surface plain, and the lower socket having a plain internal surface; a plug bolt secured in the bottom of said lower socket; a plain-surfaced pintle fitting loosely in the lower socket and in the plain portion of the upper socket and having a longitudinal groove formed in its surface; a retaining pin projecting loosely into said groove at its inner end and mounted in the adjacent socket so as to hold the pintle against rotation while permitting its vertical movement; a thrust ball-bearing supported upon the plug bolt and whereon the lower end of the pintle directly rests; and a screw-threaded plug bolt adjustably engaged in the threaded upper portion of the upper socket and directly engaging the upper end of the pintle.

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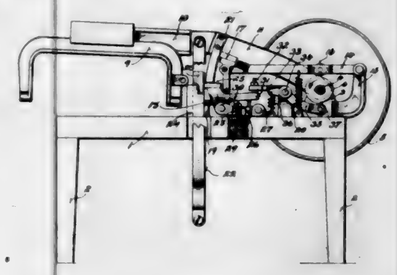
1,563,870. HACK SAW. WILLIAM C. REINHARDT and ARTHUR W. LUNDGREN, Racine, Wis., assignors to Racine Tool & Machine Company, Racine, Wis. Filed May 3, 1923. Serial No. 636,476. 4 Claims. (Cl. 29—73.)



1. A power driven hack saw comprising a saw frame, means for reciprocating said frame, a pivotally mounted guide for said frame, means for lifting said frame upon the idle stroke, means for releasing said lifting means at the beginning of the working stroke, and other means including a pawl and ratchet for operatively supporting said frame when said lifting means is released to limit the downward motion of said frame during each working stroke.

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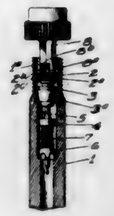
1,563,871. VALVE AND CAP APPARATUS. HARRY F. ROLLER, San Diego, Calif. Filed Jan. 13, 1922. Serial No. 528,896. 6 Claims. (Cl. 152—12.)



1. In an apparatus of the class described, a supporting means provided with a locking lug portion, a valve provided with a stem reciprocally mounted therein, and a depressor member adapted to engage with and depress the valve stem and provided with lugs thereon adapted to interlock with said locking lug portion on said valve supporting means.

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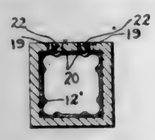
1,563,872. PROCESS OF MANUFACTURING PLASTIC COMPOSITIONS. BELA W. ROTH, Cleveland, Ohio. Filed Dec. 11, 1920. Serial No. 430,086. 7 Claims. (Cl. 106—23.)

1. In a process of manufacturing plastic compositions, the steps which consist, in dissolving a minor portion by weight of rubber; saturating a major portion of cotton fibre with the rubber solution; removing the solvent; compressing filling, pigment and vulcanizing material into the dried mixture of cotton and rubber; and then vulcanizing.



1,563,873. CASKET HANDLE. EDWARD R. SARGENT, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn. Filed Feb. 28, 1921. Serial No. 448,295. 12 Claims. (Cl. 16—112.)




1. In a casket handle, a handle bar, a tip telescopically mounted thereupon, one of said members being provided with a slot, and the other provided with a lug bendable into engagement with the slot after the tip is assembled upon the arm.

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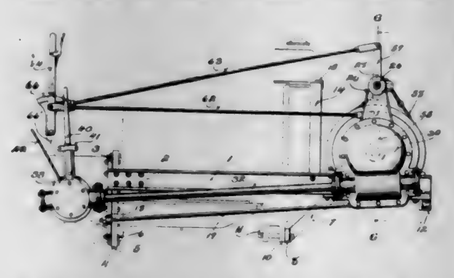
1,563,874. HOIST FOR TRACTORS. WILLIAM H. SCHMIDT, PAUL O. DALLMANN, and THEODORE G. MUELLER, Milwaukee, Wis., assignors to Dallmann Machine & Manufacturing Co., Milwaukee, Wis. Filed Mar. 26, 1925. Serial No. 18,404. 3 Claims. (Cl. 254—166.)



1. A hoist attachment for a tractor having a flanged transmission case and a front axle pivotally joined to a front yoke, said attachment comprising a frame having a pair of side bars located on opposite sides of the tractor body and having their forward ends projecting beyond the front of the tractor, a pair of segmental members carried by the rear ends of said side bars and hooked behind the said flange and bolted thereto, a downwardly extending yoke secured to the forward portion of said side bars and coupled to said front axle at the pivot point of said axle and said first mentioned yoke, a hoisting drum mounted between the projecting portion of said side bars, means for driving said drum from said tractor, and means for holding said drum against rotation.

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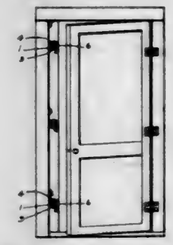
1,563,875. PROCESS OF SEPARATING THE CONSTITUENTS OF MINERAL SILICATES. SHERMAN W. SCOFIELD and JOHN B. LA RUE, Cleveland, Ohio; said La Rue assignor to said Scofield. Filed Feb. 4, 1924. Serial No. 690,656. 4 Claims. (Cl. 23—33.)

1. In the process of converting potash-feldspar into alkali-metal silicate and aluminate by means of converting crystalline feldspar into amorphouse feldspar and heating a mixture of said amorphous feldspar and a solution of caustic alkali in a closed vessel, the method of completely converting the feldspar into water-soluble compounds consisting in, utilizing, for the alkali digestion step, substantially ninety (90) per cent caustic alkali in amount from one (1) to two (2) times by weight of the feldspar and an amount of water substantially equal to the feldspar, together with a pressure of substantially three hundred (300) pounds per square inch and a temperature of substantially 270° C., the treatment being continued until substantially all the normally insoluble constituents are fused, and then adding more water.

1,563,876. SHOCK-ABSORBING DEVICE FOR DOORS. BALUS F. SMITH, Kansas City, Mo. Filed May 13, 1925. Serial No. 29,993. 1 Claim. (Cl. 16—86.)



A shock absorbing device for doors formed of a body of resilient rubber having a flexible compressible rim flange aroung the perimeter of its outer face and adapted to engage the face of a door and a concentrically concaved cup portion registering with the inner end of the rim flange, said body being provided with a concentrically formed cavity and with an opening at the axis of the body communicating with the cup portion and with the cavity, the portion of the body between the cavity and the cup portion forming a flexible annular flange.

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1,563,877. HOSIERY AND SUPPORTER THEREFOR. ISRAEL SONN, Schuylerville, N. Y. Filed Jan. 9, 1925. Serial No. 1,386. 3 Claims. (Cl. 2—240.)

1. In a stocking, a supporter knitted integrally therewith and branching therefrom at a point spaced from the top of the stocking and extending a substantial distance above the stocking in the form of a streamer, and means to connect a portion of the supporter adjacent the juncture with the stocking, to the top portion of the stocking.

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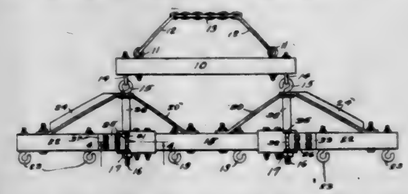
1,563,878. DRAWBAR FOR HARROWS. CHARLES STANEK, Orient, Iowa. Filed Apr. 7, 1924. Serial No. 704,745. 4 Claims. (Cl. 280—44.)



1. A harrow draw bar consisting of a center member, a pair of end members, hinge connections for hingedly connecting the ends of said center member to said end

members whereby said end members may be folded to overlap said center member, a pair of draw rods connected to said center member and end member at the hinge connection therebetween, braces secured to said end members and to said draw rods, braces secured to said center member and secured to said draw rods and means for permitting harrow sections to be secured to said center and end members as and for the purposes stated.

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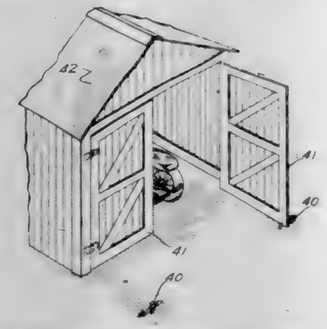
1,563,879. GARAGE-DOOR CATCH. DAVID W. THOMPSON, San Gabriel, Calif. Filed Feb. 21, 1922. Serial No. 538,224. 1 Claim. (Cl. 292—136.)



A garage door catch comprising: a stake member adapted to be driven into the ground or set into the concrete of the driveway and having an elongated slot therein; a catch bar extending through said slot; a bolt passing through said stake and catch bar upon which the catch bar is pivoted; a hook formed on the upper edge of said catch bar in such a position as to engage the lower edge of a door swung over said catch bar; adjustable means for limiting the upward movement of said hook; and means for forcing said hook upwardly.

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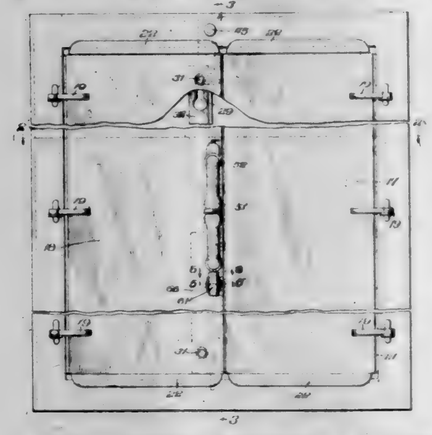
1,563,880. LOCKER. WALTER N. VANCE, Chicago Heights, Ill., assignor to Durand Steel Locker Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 20, 1919. Serial No. 318,691. 25 Claims. (Cl. 292—120.)



1. A locker, comprising in combination a door frame, a pair of doors hinged to the sides of said frame, one of said doors carrying a latch bar engageable with the frame at the top and bottom and the other door intermediate its top and bottom.

10. A keeper for a locker door and the like, comprising a U member having lugs for engagement with the inside of the door, outwardly pressed shoulders between said lugs for engaging the outer face of the door, and means inwardly of said shoulders for spreading the parts of the keeper to hold the lugs and shoulders in holding relation to the door.

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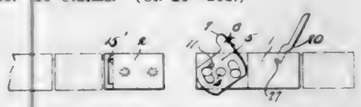
1,563,881. CATCH. LOUIS J. VETTER, Attleboro, Mass., assignor to R. F. Simmons Company, a Copartnership consisting of Joseph L. Sweet and Harold E. Sweet, Attleboro, Mass. Filed Jan. 26, 1925. Serial No. 4,780. 10 Claims. (Cl. 24—201.)



1. A safety catch comprising a pair of cooperating separable elements, one carrying a pivoted locking member, and the other a plurality of projecting portions simultaneously engageable by said pivoted locking member to hold said elements together.

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1,563,882. METAL-FELLY WHEEL. IRA D. WALTER, Harrisburg, Ark., assignor of one-fourth to Josiah Brinkerhoff and one-fourth to Charles R. French, both of Harrisburg, Ark. Filed Dec. 22, 1923. Serial No. 682,273. 6 Claims. (Cl. 301—67.)

3. In a wheel, wooden tenonless spokes and a metal felly fitted flush to the tenonless ends of the spokes and having as many perforations as there are spokes, and fasteners having tubular portions extending through the perforations in the felly and provided with cutting edges driven into the tenonless ends of the spokes.

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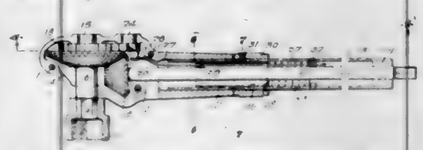
1,563,883. RATCHET WRENCH. FREDERICK WALTERS, Lyons Falls, N. Y. Filed July 31, 1924. Serial No. 729,324. 5 Claims. (Cl. 81—63.)



1. A wrench comprising a hollow head portion, a tubular handle carried thereby, a rotably mounted ratchet wheel, a pivotally mounted pawl, a flexible wire carried by the pawl, a sleeve loosely mounted to oscillate within said tubular handle and having an apertured lug for the reception of said wire, and means connected to said tubular sleeve for actuating said pawl.

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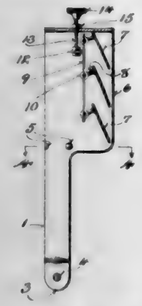
1,563,884. ANTIGLARE DEVICE. LOUIS WEISHAN, Milwaukee, Wis. Filed July 13, 1925. Serial No. 43,326. 1 Claim. (Cl. 240—45.2.)

An anti-glare device adapted for attachment to a headlight, comprising an annular band adapted to surround the outer end of the casing of such headlight and having a pair of spaced ears, means for drawing said ears towards each other, said member having projections thereon adapted to engage said casing and prevent inward or outward motion of the device, said band being relatively wider at its upper portion, a plurality of shutters mounted transversely of said upper portion and pivotally carried thereby, each shutter having a crank arm projecting rearwardly thereof, a link





joining said crank arms and having an outwardly projecting apertured ear, and adjusting screw passing through the upper portion of said band and operatively coupled to said outwardly projecting ear of said link, whereby the angular setting of said shutters may be simultaneously varied by manipulating said screw.

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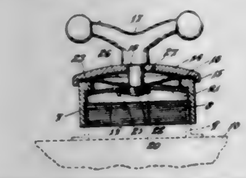
1,563,885. CAP FOR CONTAINERS. OSCAR B. WELKER, Middletown, Conn., assignor to The Welker-Hoops Manufacturing Company, Middletown, Conn., a Corporation of Connecticut. Filed Apr. 7, 1923. Serial No. 630,468. 4 Claims. (Cl. 220—24.)



1. A container cap including a supporting member, a closure member hinged to one end of the supporting member, a locking bar rotatably supported within the cover with the opposite ends thereof cooperating with the supporting member for retaining the closure member in closed position and a baffle plate interposed between the closure member and locking bar for retaining the locking bar properly positioned relative to the supporting member.

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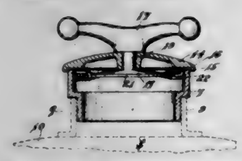
1,563,886. CAP FOR CONTAINERS. OSCAR B. WELKER. Middletown, Conn., assignor to The Welker-Hoops Manufacturing Company, Middletown, Conn., a Corporation of Connecticut. Filed June 8, 1923. Serial No. 644,141. 1 Claim. (Cl. 220—24.)



A closure comprising a supporting member, a cover plate, a stud rotatable in the cover plate, an apertured boss depending from the cover plate through which the stud passes, a combined baffle and locking plate of disk formation interlocked with the lower end of the stud and so retained by the boss on the cover, said baffle and locking plate having diametrically opposite cut-away portions with the remaining divided edge of the plate being of cam formation and diametrically opposite lugs on the supporting member cooperating with the cam formation at the edge of the plate.

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1,563,887. DRILL-PRESS GUARD. JULIUS WIESPETAT, Racine, Wis. Filed July 26, 1924. Serial No. 728,431. 2 Claims. (Cl. 77—55.)

1. The combination of a drill press having a head, a rack feed mounted therein, a spindle carried by said rack feed, a chuck carried by said spindle, a tubular casing surrounding said chuck, a slotted strap extending upwardly from said casing, a bracket bolted to said head and having a lug positioned within the slot of said strap, a split bracket carried by the upper end of said strap and adapted to clamp about said rack feed, and a stop screw carried by said split bracket and adapted to engage said head, said casing having an inwardly extending bottom flange and having a hingedly mounted portion giving access to said chuck.

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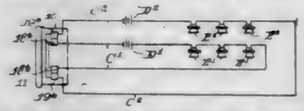
1,563,888. TELEPHONE EARPIECE OR RECEIVER. CHARLES E. WILLIAMS, Chicago, Ill. Filed Mar. 5, 1923. Serial No. 622,882. 3 Claims. (Cl. 179—107.)



1. In an instrument for assisting the partially deaf including a plurality of independent electric circuits, each of which includes a plurality of microphones in series, a telephone ear-piece or receiver including an electromagnet having independent coils included in the respective afore-mentioned circuits.

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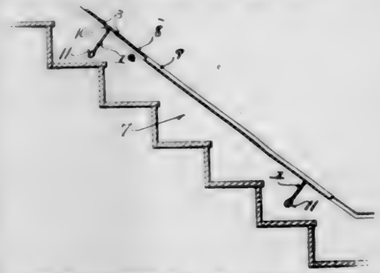
1,563,889. MOPBOARD PROTECTOR. FREDERIC W. ZASTROW, Milwaukee, Wis. Filed Feb. 2, 1925. Serial No. 6,298. 2 Claims. (Cl. 91—65.)



1. A device for protecting mop boards adjacent walls while the walls are being treated, said device comprising a pair of clips adapted for positioning upon the mop

board and having inturned downwardly extending flanges adapted to fit behind the mop board and having inwardly projecting slanting braces terminating in rounded ends for contacting with the face of the mop board, and an elongated plate having downwardly struck lugs adapted to engage the clips.

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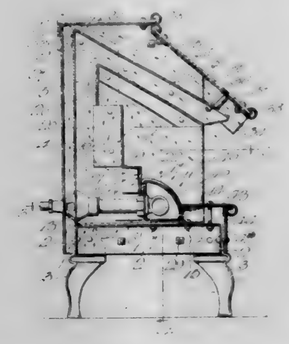
1,563,890. GAS HEATER. BENJAMIN CALVEN BARTLEBAUGH, Wheeling, W. Va. Filed Dec. 15, 1924. Serial No. 756,070. 6 Claims. (Cl. 126—85.)



1. A heater comprising a casing having a rearwardly inclined top and an open front, a burner in the lower portion of said casing spaced forwardly from the back wall thereof, a fire wall behind said burner having openings leading over the same to permit passage of unburnt gases and air to the burner flame to be immediately consumed, the casing being provided with an air inlet behind said fire wall, and a rearwardly inclined baffle plate in the casing spaced downwardly from said inclined top and upwardly from said fire wall, the front edge of said baffle plate being rearwardly spaced from the front edge of said top, and the rear edge of said baffle plate being turned downwardly in rearwardly spaced relation with said fire wall.

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1,563,891. PROCESS OF TREATING MILK. ALFRED W. BOSWORTH and LEWIS H. CHRYSLER, Columbus, Ohio. Filed Dec. 20, 1924. Serial No. 757,271. 7 Claims. (Cl. 99—11.)

1. A process of improving milk which comprises the steps of adding a substance containing the phosphoric acid radical under conditions capable of leaving the casein of the milk still in solution, rendering the milk slightly alkaline, whereby calcium present in the milk is converted into insoluble calcium phosphate, removing the latter from the milk, and thereafter neutralizing any undesired excess of alkali in the milk.

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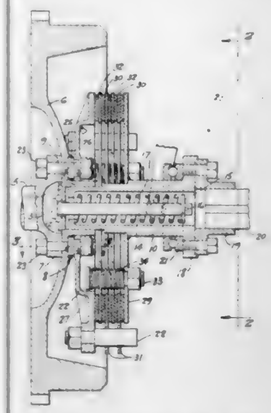
1,563,892. DISK-CLUTCH STRUCTURE. EARL R. CLAYTON and AMOS H. KIRKSEY, Los Angeles, Calif. Filed Mar. 5, 1925. Serial No. 13,394. 2 Claims. (Cl. 192—69.)

1. In an automobile, the combination of an engine shaft having a fly wheel receiving flange at the end thereof provided with bolt holes; a fly wheel therefor, said fly wheel having a hub and a web with bolt holes extending therethrough; bolts extending through the bolt holes in said fly wheel and flange; shouldered collar heads threaded on said bolts, said collar heads having externally threaded ends; a clutch disk holding plate mounted over said collar heads and abutted against the shoulders thereon; nuts mounted on said collar heads securing said plate to said fly wheel; clutch disk mounted on said plate and held against rotation; a hollow clutch shaft slidably mounted in said fly wheel; a spring within said shaft tending to hold said shaft in its inner position in said



hub, said shaft being arranged to be splined to a propeller shaft; and clutch disks secured against rotation with respect to said clutch shaft.

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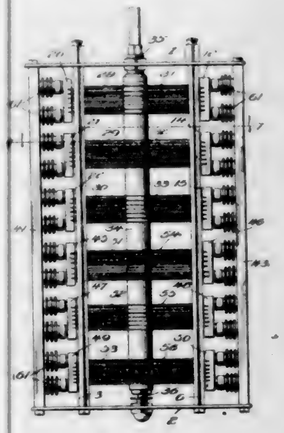
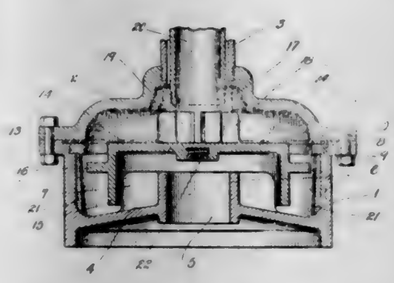
1,563,893. MULTIPLE VARIABLE CONDENSER. SAMUEL COHEN, Brooklyn, N. Y., assignor to General Instrument Corporation, New York, N. Y., a Corporation of New York. Original application filed Mar. 14, 1925. Serial No. 15,516. Divided and this application filed Sept. 25, 1925. Serial No. 58,635. 5 Claims. (Cl. 250—41.)



1. A multiple variable condenser comprising in combination a pair of end plates, frame members interconnecting said end plates, a plurality of independent sets of stator plates, insulation means interposed between said frame members and each of said sets of stator plates, whereby one set of said stator plates is substantially insulated from another set of said stator plates, a shaft journaled in said end plates, sets of rotor plates carried by said shaft and arranged to be interleaved between said sets of stator plates whereby the mutual capacity between said sets of plates may be simultaneously varied by rotation of said central shaft.



1,563,894. CENTRIFUGAL MACHINE. WILLIAM C. COLEMAN, Wichita, Kans. Filed May 28, 1923. Serial No. 641,968. 5 Claims. (Cl. 233—7.)



1. A separator comprising an inner rotor and an outer rotor, the outer rotor comprising a casing having a mercury-receiving space, the inner rotor comprising a disk having a depending flange, and a distributing flange on the depending flange, the periphery of the distributing flange being within the mercury space.

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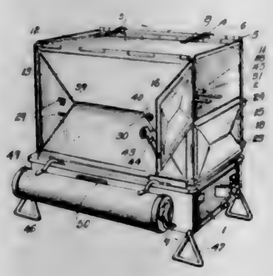
1,563,895. OVEN. WILLIAM C. COLEMAN, Wichita, Kans., assignor to Coleman Lamp Company, Wichita, Kans., a Corporation of Kansas. Filed June 14, 1924. Serial No. 720,004. 4 Claims. (Cl. 126—38.)



1. A stove comprising a burner carrying case, a vertical wall hinged to said case, a top wall hinged to one longitudinal edge of the vertical wall, a vertical wall hinged to the top wall, and walls hinged to the ends of the second mentioned vertical wall and means on the end walls for engagement with the first mentioned vertical wall to form an oven, the connected end walls, vertical walls and top wall being adapted to be folded so that the top wall, second mentioned vertical wall and end walls lie parallel with the first mentioned vertical wall and means on the first mentioned vertical wall for fastening it to the burner carrying case.

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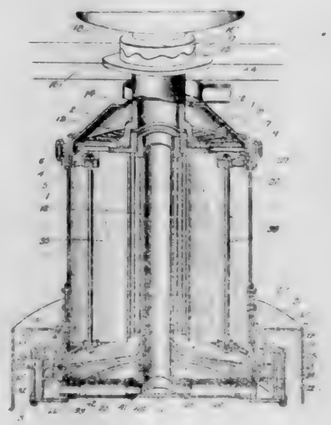
1,563,896. VIBRATORY SEPARATOR. WILLIAM C. COLEMAN, Wichita, Kans. Filed Sept. 15, 1924. Serial No. 737,861. 12 Claims. (Cl. 209—199.)

1. A separator comprising a rotatable vertically disposed member open at its respective ends, a bottom member connected to the first named member provided with a mercury compartment, radial amalgamator plates in the first member, a distributor above the amalgamator plates for distributing material into the spaces between the amalgamator plates so that it may gravitate to the bottom member, a valve member on to which the material may be deposited, the valve member being within the bottom member and having its periphery spaced from



the bottom member, the bottom member being spaced from the first named member, water jets adjacent to the periphery of the first named member at its lower edge, said jets being supported by the bottom member and means for delivering water to the jets.

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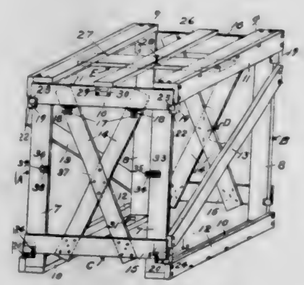
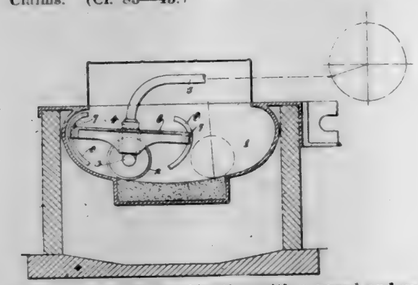
1,563,897. COLLAPSIBLE CARRIER. CORNELL FLAGSTAD and OSCAR A. FLAGSTAD, Minneapolis, Minn. Filed Apr. 7, 1924. Serial No. 704,604. 4 Claims. (Cl. 217—43.)



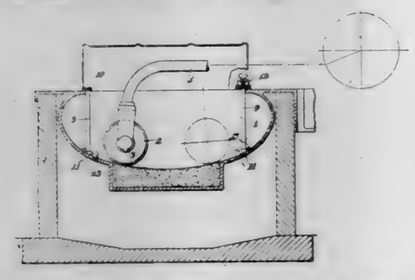
1. In a crate, a pair of side sections, a pair of end sections adapted to be secured at their lower corners to the ends of the side sections, securing members hingedly mounted on the upper ends of the end sections, means at the ends of said securing members for detachably engaging the side sections, and means for engaging said securing members to prevent the means at the ends thereof from swinging out of engagement with the side sections.

1,563,898. CONCH FOR THE MANUFACTURE OF CHOCOLATE. FREDERICK GEORGE FRYER, York, England. Filed Nov. 10, 1922. Serial No. 600,134. 5 Claims. (Cl. 83—45.)



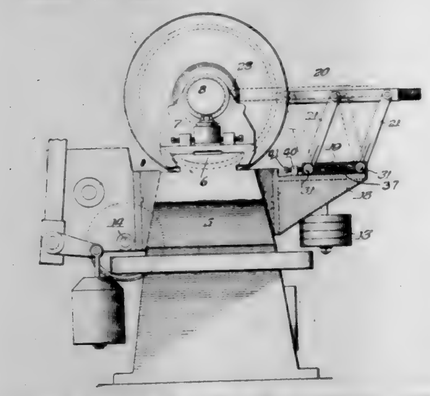
1. In a conch, the combination with a vessel and means movable transversely of the vessel for subjecting the chocolate to attrition, of prongs connected with said means and movable bodily therewith for separately agitating the chocolate.

1,563,899. CONCH FOR THE MANUFACTURE OF CHOCOLATE. FREDERICK GEORGE FRYER, York, England, assignor to Rowntree and Company Limited, York, England. Filed Feb. 5, 1923. Serial No. 617,058. 18 Claims. (Cl. 83—45.)



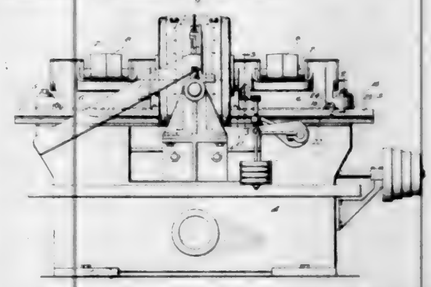
1. In a conch, the combination of a vessel, means movable transversely of the vessel for subjecting the chocolate to attrition, and grid-like means connected with the vessel for separately rubbing the chocolate.

1,563,900. GRINDING MACHINE. EDWARD B. GARDNER, RALPH D. GARDNER, and JOHN NIELSEN, Beloit, Wis. Filed Aug. 18, 1924. Serial No. 732,602. 9 Claims. (Cl. 125—11.)



1. In a grinding machine, the combination with a rotary grinding wheel, of a support located at one side of the axis of said wheel, a tool for surfacing one face of said wheel, and a pair of parallel links respectively pivoted to said support and tool for permitting the tool to be moved substantially radially of the wheel.

1,563,901. GRINDING MACHINE. RALPH D. GARDNER, Beloit, Wis., assignor of one-third to Edward B. Gardner and one-third to John Nielsen. Original application filed Apr. 10, 1922, Serial No. 551,008. Divided and this application filed June 28, 1923. Serial No. 648,216. 7 Claims. (Cl. 51—112.)



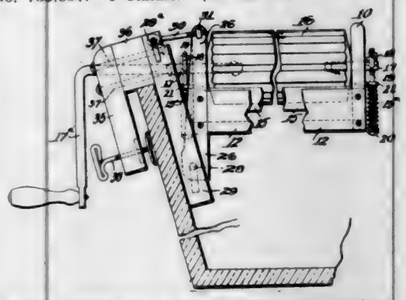
1. In a grinding machine, the combination of a base, a pair of carriages mounted to slide thereon, a pair of grinding wheels, and means for adjustably mounting said wheels upon their respective carriages so as to permit of adjustment of said wheels about a plurality of axes upon their carriages.

1,563,902. COLLAPSIBLE RECEPTACLE. MOLLY G. GRODNICK, Minneapolis, Minn. Filed Aug. 26, 1924. Serial No. 734,172. 2 Claims. (Cl. 220—6.)



1. A collapsible receptacle consisting of a base, side and end sections hingedly secured to the base, a flexible cover member adapted to substantially enclose the receptacle when the latter is collapsed, a sheet metallic top section adapted to close the receptacle when set up, said top section being secured to the cover member and being jointed, as and for the purpose set forth.

1,563,903. CLAMP. JOHN A. JOHNSTON and ROBERT E. MOLT, Worcester, Mass. Filed Sept. 4, 1924. Serial No. 735,897. 6 Claims. (Cl. 68—2.)

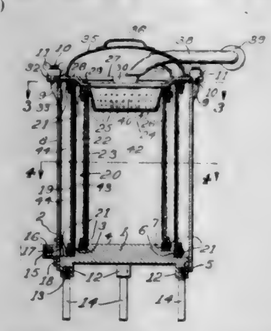


1. The combination with a fluted roll washing machine having a frame adapted to be placed in a tub, of a pair of vertical pivots at one end of the machine



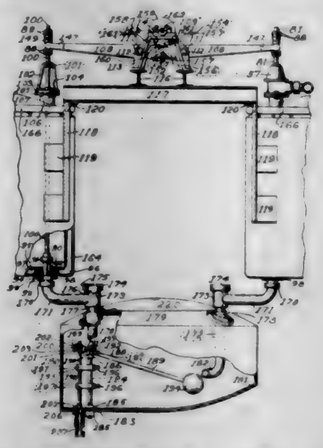
spaced apart, a pair of frames pivoted on said pivots and extending downwardly therefrom and each having a horizontal pivot, and a pair of clamps pivoted on the horizontal pivots for clamping the machine to the wall of the tub.

1,563,904. FILTER. DANIEL C. KERCKHOFF and RALPH COPP, St. Louis, Mo., assignors to Pevely Dairy Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 19, 1923. Serial No. 675,628. 4 Claims. (Cl. 210—154.)



1. A filter including an open topped cylindrical casing having a bottom provided interiorly with a series of concentric steps, cylindrical filtering screens graduated in height and resting on respective steps, a pan shaped strainer fitting within the inner screen at its top and having a peripheral flange resting on the top edge of said inner screen, a removable cover for said casing having a central opening and being concentrically stepped, the inner step of the cover engaging said flange to force it against the top edge of the inner strainer, the outer step of the cover engaging the top edge of the outer strainer, and means to secure said cover on said casing removably.

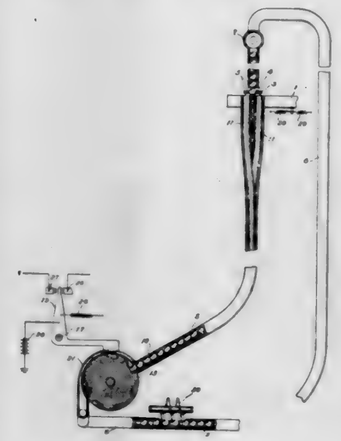
1,563,905. PASTEURIZING PROCESS AND APPARATUS. DANIEL C. KERCKHOFF and RALPH COPP, St. Louis, Mo., assignors to Pevely Dairy Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 19, 1923. Serial No. 675,629. 18 Claims. (Cl. 137—21.)



2. In a pasteurizing apparatus, a holding tank having inlet and discharge openings, respective lift valves for the said openings and provided with guiding means to insure proper seating, and respective operating stems having heads loosely and removably socketed in the said valves, and means for guiding the said stems.

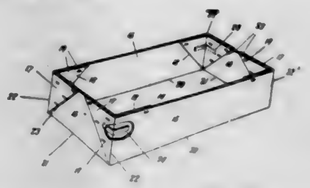
13. In a pasteurizing apparatus, the combination of a revoluble shaft, a plurality of holders, inlet and outlet lift valves controlling the passage of fluid to and from the said holders, operating stems for the said valves projecting above the tops of the said holders, a plurality of cams on said shaft, one for each valve, and respective levers extending from the said cams to the said valves.

1,563,906. BALL STORAGE TRANSMITTER. EDWARD E. KLEINSCHMIDT, Long Island City, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Filed July 9, 1923. Serial No. 650,320. 9 Claims. (Cl. 178—17.5.)



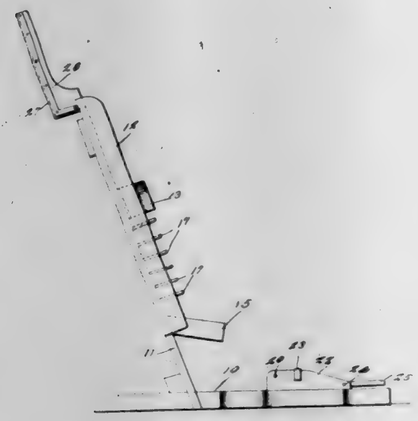
1. A storage transmitter comprising a plurality of contact controlling members; permutation means for arranging said members in various permutations; storage means for storing said permutations of members in fixed order, a single transmitting contact successively controlled by said stored permutation members to transmit code combinations of electrical impulses, and means for feeding said members to said permutation means indiscriminately and out of order.

1,563,907. FOLDING BOX. SAMUEL KOFF, Brooklyn, N. Y. Filed Feb. 11, 1925. Serial No. 8,458. 6 Claims. (Cl. 229—41.)



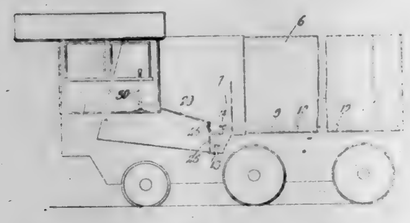
1. A box comprising a bottom, and walls having fold lines to permit the bottom and walls to be folded together, and concealed bendable means permanently secured to the box across a fold line thereof to be bent when the walls are swung relatively to the bottom and composed of material tending to hold its shape in order to hold the box open when unfolded.

1,563,908. GAME. DAVID H. KRAUSE, Anacortes, Wash. Filed Apr. 3, 1925. Serial No. 20,562. 4 Claims. (Cl. 273—101.)



1. A game apparatus comprising a base, a game board supported by the base and arranged at an inclination thereto, a projectile, a holder therefor pivotally mounted upon the base, means for operating said holder, whereby the projectile is directed against the board, a series of pockets disposed adjacent the lower end of the board and having relatively different values, and pegs projecting from the board and arranged to deflect said projectile while finding its way from said board into one of said pockets.

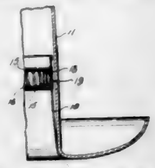
1,563,909. CLEANING SYSTEM FOR BOILERS. SAMUEL JOHN LUPTON, Winnipeg, Manitoba, Canada. Filed Nov. 20, 1924. Serial No. 750,972. 10 Claims. (Cl. 122—382.)



1. The combination with a locomotive boiler having a plurality of spaces liable to accumulate sludge, of a plurality of pipes having openings in said spaces, a valve on each pipe, and a single control for simultaneously opening said valves, said pipes being so arranged as to carry off substantially all the sludge in the boiler when the valves are opened without inducing any substantial circulation of the boiler water and sludge in the boiler.

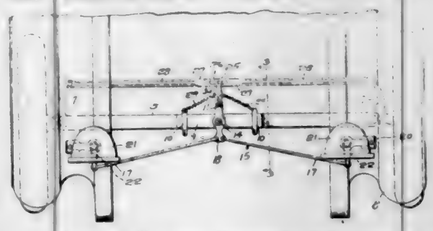
1,563,910. DECORATED HAT LEATHER OR SWEATBAND. ALFRED MARLOR, Hyde, England, assignor of one-third to Ernest Axon, South Norwalk, Conn. Filed Apr. 10, 1925. Serial No. 22,004. 3 Claims. (Cl. 2—181.)

1. A decorated hat leather or sweat band comprising a strip of leather provided with a row of openings therein, and a strip of flexible material having a surface of a contrasting color to that of the leather secured to the back of the leather over the openings so that the surface of the strip will show through the openings, said strip being embossed so that it is pressed into



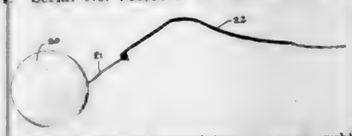
the openings and by its own stiffness will maintain its colored surface substantially flush with the front face of the leather.

1,563,911. AUTOMOBILE DIRIGIBLE HEADLIGHT. SIDNEY G. MEWBORN, Wilson, N. C. Filed Apr. 9, 1925. Serial No. 21,931. 2 Claims. (Cl. 240—62.)



1. A dirigible headlight mechanism comprising an operating lever to be pivotally mounted upon the front axle of an automobile, yielding means adapted to return the operating lever to the normal position and normally retain the same in such a position, headlamps carried by the automobile, operative connecting means between the lever and headlamps so that both headlamps are simultaneously turned by the movement of the lever, operating rods adapted for connection with the steering knuckle arms and provided at their inner ends with elongated slots, and a pin carried by the operating lever and arranged within the said slots, said pin being spaced from the ends of the slots when the lever is in the neutral position and the operating rods are in the position which they occupy when the machine is traveling in a substantially straight course whereby the slight steering movements of the front wheels will not effect a shifting movement of the headlights.

1,563,912. RETURN BALL. VERNON L. MILLER, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio. Filed Nov. 7, 1924. Serial No. 748,449. 10 Claims. (Cl. 273—58.)



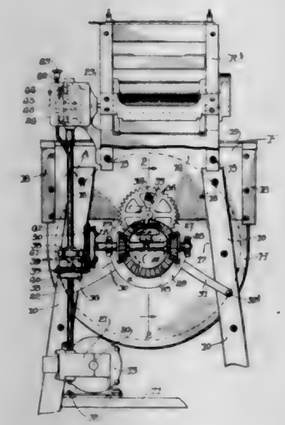
1. A return ball unit comprising a sponge rubber ball, a relatively long life securing member extending into said ball and secured thereto by vulcanization of said ball, and an elastic cord renewably attached to said securing member.

1,563,913. AUTOMATIC REVERSING MECHANISM FOR WASHING MACHINES. WILLIAM F. MORAN, Chicago, Ill., assignor of one-half to Walter J. Conlon, Oak Park, Ill. Filed Nov. 23, 1917. Serial No. 203,486. 8 Claims. (Cl. 74—50.)

1. The combination with a driving and a driven shaft and reversing gearing for reversibly driving said driven shaft, of a clutch mechanism for controlling the direc-

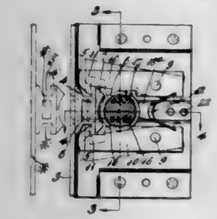


tion of rotation of said driven shaft, and time controlled means for actuating said clutch mechanism, said means including a time spindle, a time gear rotatably mounted thereon and driven by the driven shaft, a member connected with said clutch mechanism to actuate the same, means on said spindle for operatively connect-



ing said time gear with said clutch actuating member to reverse the direction of rotation of said driven shaft at predetermined intervals, a lost motion connection between said time gear and said clutch actuating member, and means for yieldably restraining the rotation of said spindle.

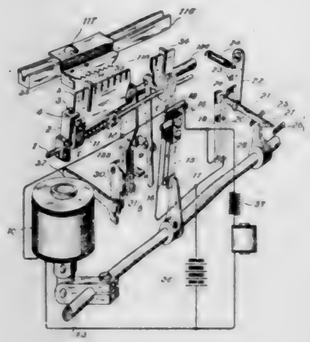
1,563,914. LOCKING MECHANISM. JAMES A. MUZZIO, Cleveland, Ohio. Filed May 25, 1923. Serial No. 641,392. 4 Claims. (Cl. 70—46.)



1. Locking mechanism, comprising relatively rotatable cylinder and plug members, and locking levers actuated by the rotatable member, one of said levers moving in a plane transverse to the plug axis and the other in a plane parallel therewith.

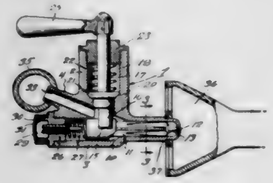
1,563,915. TABULATING MECHANISM FOR PRINTING TELEGRAPHS. CARL ERIC NELSON, Brooklyn, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Filed June 25, 1923. Serial No. 647,510. 7 Claims. (Cl. 178—23.)

1. A printing telegraph machine comprising printing, carriage, and spacing mechanisms selectively responsive to code combinations of electrical impulses; and means selectively controlled by a single reception of a prede-



termined code combination to cause a plurality of spacing operations of said spacing mechanism.

1,563,916. VALVE. FRANK A. NIEBERDING, Cleveland, Ohio. Filed Sept. 24, 1923. Serial No. 664,439. 6 Claims. (Cl. 251—132.)

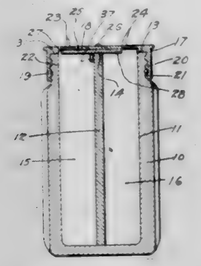


1. In a valve, a casing having a bore that is reduced at one end to provide a fluid emitting orifice and enlarged at the other to form a guideway, the casing being also provided with an ingress port and with an opening both of which communicate with said bore, a valve body that is provided with a part having a sliding fit in the bore, the body being enlarged at one end to effect a similar fit in the guideway and reduced at the other end for cooperation with the orifice, means closing the end of the bore opposite the orifice, a spring interposed between said means and the valve body, and a valve operating member extending through the aforesaid opening and having operative connection with the valve body.

1,563,917. COMBINED SALT AND PEPPER SHAKER. FLORENCE S. O'BRIEN, St. Paul, Minn. Filed Oct. 24, 1921. Serial No. 509,856. 2 Claims. (Cl. 65—45.)

1. A combined salt and pepper shaker comprising a receptacle having two compartments, a cap mounted on said receptacle, an imperforate plate pivoted to said cap at one end thereof, said plate having arcuate portions of a

radius substantially equal to that of the cap, and being adapted to swing from one side of the periphery of said cap to the other, and holes in said cap arranged on both



sides of said plate along the periphery thereof in crescent shaped formation to communicate separately with said compartments.

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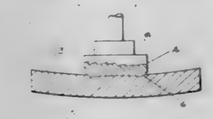
1,563,918. METHOD OF GRINDING LENSES. HAROLD K. PARSONS, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Aug. 2, 1922. Serial No. 579,188. 6 Claims. (Cl. 51—278.)



1. The process of producing bifocal lenses consisting in centrally abrading the stock for a plurality of bifocal lenses to form a sunken curve having an inclined surrounding wall flaring outwardly therefrom, and subsequently abrading the surrounding surface of the stock to reduce the height of the wall.

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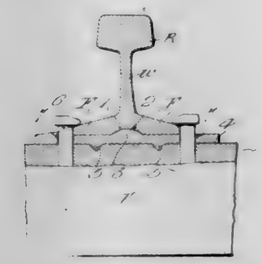
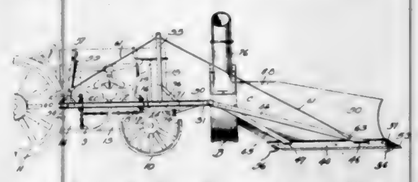
1,563,919. RAIL AND TIE PLATE THEREFOR. LOUIS R. PARSONS, Raritan, Ill. Filed Apr. 18, 1925. Serial No. 24,093. 6 Claims. (238—304.)



1. The combination with a track rail having formed in its bottom surface a socket arranged transverse the web of the rail with its ends extending into but terminating short of the edges of the base flanges of the rail, the ends of the socket being formed to prevent undue weakening of the base flanges of the rail beyond the web, and a tie plate formed with a lug to fit in said socket, with the wall of the lug arranged at other than a right angle relation to the plate for guiding influence on the rail.

1,563,920. SNOWPLOW. JAY D. PETERS and NELS P. PALLESEN, Marcus, Iowa. Filed Mar. 13, 1925. Serial No. 15,175. 9 Claims. (Cl. 37—43.)



1. In a snow plow, a frame having a pair of forwardly-extending laterally-spaced arms, a unitary scoop and blower structure pivotally mounted in said arms for vertically swinging movement including a blower housing, a fan rotatably mounted in said housing, and means for driving said fan so as to create a suction within the housing by centrifugal action, the scoop being provided with a completely enclosed hood portion communicating with the blower housing at the center of said housing, and extending substantially forwardly therefrom.

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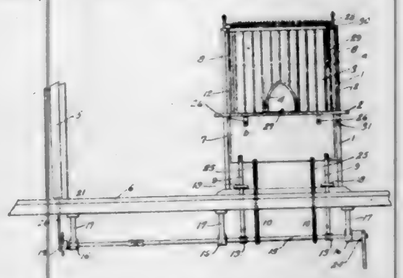
1,563,921. SAFEGUARD FOR BANKS. JOHN S. PLUMMER, Dayton, Ohio. Filed Jan. 9, 1923. Serial No. 611,674. 1 Claim. (Cl. 268—2.)



A safeguard for banks including in combination with a partition having a window, an opening in the window, a counter inwardly adjacent the window, and a guard for said opening supported upon said counter, a separate guard for the window normally held under spring tension below the window and adapted upon releasing of the same to be moved upwardly to close the window and to actuate said other guard to close said opening.

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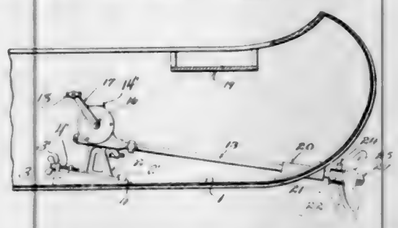
1,563,922. PROPELLING MECHANISM FOR BOATS. HERMAN M. POHLER, Milwaukee, Wis. Filed Sept. 19, 1925. Serial No. 55,538. 1 Claim. (Cl. 115—25.)



Propelling mechanism for a boat comprising a base secured to the bottom of the boat, a standard carried by said base, a housing carried by the upper end of the standard, a spiral worm wheel carried within said housing, a transverse shaft secured to said wheel and projecting from opposite sides of said housing, a pair of crank arms secured to the projecting ends of said shaft, a propeller shaft projecting into said housing and extending rearwardly therefrom through the back of the boat, a spiral worm on said shaft and meshing with said spiral worm wheel, a bearing adjacent the rear end of said propeller shaft, a tubular housing for the propeller shaft extending from said first mentioned housing to the said bearing, a propeller secured to the rear end of said propeller shaft, and means for adjusting the standard upon the base.



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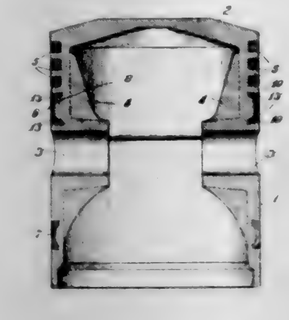
1,563,923. PISTON FOR INTERNAL-COMBUSTION ENGINES. JOHN PONDELICK, Riverside, Ill. Filed Mar. 11, 1925. Serial No. 14,590. 9 Claims. (Cl. 74—108.)



1. In a composite piston of the kind specified, wearing elements having end surface formations relatively arranged to constitue alternately oppositely disposed wedge formations.

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1,563,924. BLASTING-POWDER COMPOSITION. CARL D. PRATT, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed May 31, 1924. Serial No. 717,140. 4 Claims. (Cl. 52—17.)

1. An explosive of the character described consisting of the constituents of black blasting powder, from 5 to 35% of carbohydrates, and from 1 to 15% of a metallic chloride.

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1,563,925. BLASTING-POWDER COMPOSITION. CARL D. PRATT, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed May 31, 1924. Serial No. 717,141. 4 Claims. (Cl. 52—17.)

1. A composition consisting of one or more metallic nitrates, sulphur and one or more materials that are essentially carbon, the whole constituting a black blasting powder to which combination is added from 5 to 35% of one or more carbodydrates and 1 to 15% of one or more tartrates and oxalates.

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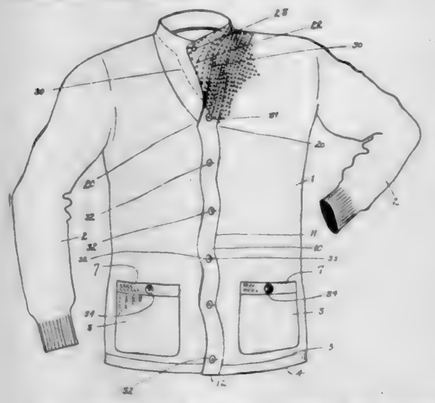
1,563,926. BLASTING-POWDER COMPOSITION. CARL D. PRATT, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed May 31, 1924. Serial No. 717,142. 4 Claims. (Cl. 52—17.)

1. A blasting powder consisting of the ingredients of blasting powder, to which combination is added from 1 to 35% of carbohydrates and other non-explosive, oxygen deficient organic substances.

1,563,927. SWEATER COAT. JOSEPH C. W. RAHN, Utica, N. Y. Filed July 3, 1925. Serial No. 41,398. 7 Claims. (Cl. 66—4.)



1. In a sweater coat having a V-shaped neck portion, a one piece stoling, of uniform width, fastened to said sweater coat, said stoling being free around said neck portion to change the same from V-shaped to a closed neck.

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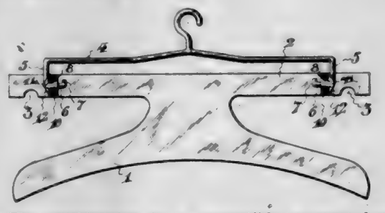
1,563,928. GARMENT HANGER. WILLIAM REID, Philadelphia, Pa. Filed Oct. 24, 1924. Serial No. 745,585. 10 Claims. (Cl. 211—13.)



1. The combination in a convertible garment hanger, of a pivoted suspension bail capable of being folded against the hanger when not in use, means to hold the bail in either the folded or extended position, and means to automatically disengage the bail from the holding means as it is turned from one position to the other.

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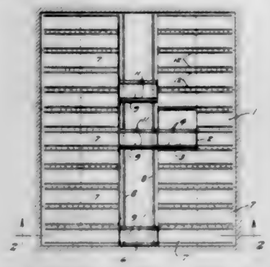
1,563,929. ARRANGEMENT FOR PARKING VEHICLES. FREDERICK E. REINHOLD, Los Angeles, Calif., assignor of one-half to Albert E. Keller, Los Angeles, Calif. Filed Sept. 4, 1923. Serial No. 660,838. 3 Claims. (Cl. 214—16.)



1. A motor vehicle parking arrangement comprising a plurality of floors disposed one above the other, a runway on each floor having guide rails thereon, trucks rid-

ing on the guide rails provided with transverse guideways, elevators disposed adjacent to the runways having guideways thereon adapted to be brought into registry with the guideways on the trucks, and stalls arranged on the sides of the runways having guideways therein registering with the guideways on the trucks when the latter are moved into operative positions so as to allow vehicles to be pushed thereinto from the trucks.

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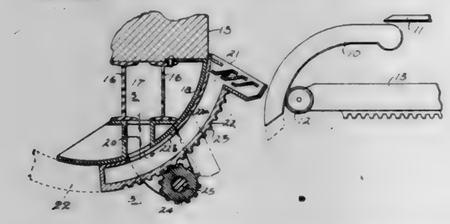
1,563,930. ASH SUPPORT FOR MECHANICAL STOKERS. ROBERT S. RILEY, Worcester, Mass., assignor to Sanford Riley Stoker Company, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 29, 1924. Serial No. 689,359. 4 Claims. (Cl. 110—32.)



1. In a stoker, a movably mounted refuse-supporting grate, means to give said grate repeated limited raising and lowering movements to agitate the refuse while said grate remains in operative ash-supporting position, means to give said grate an additional lowering movement away from ash-supporting position to discharge refuse therefrom, and means to supply air under pressure to said grate during its limited movements and so long as it remains in ash-supporting position and to cut off the air supply during its additional lowering movement and so long as said grate is in lowered position.

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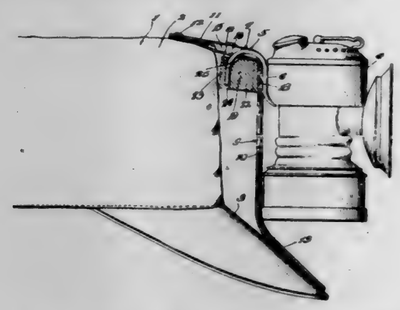
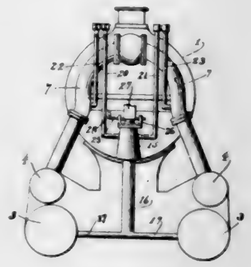
1,563,931. LAMP HOLDER FOR MINERS' CAPS. LOUIS SCHERZ, Wilkes-Barre, Pa. Filed Aug. 6, 1924. Serial No. 730,450. 2 Claims. (Cl. 240—60.)



1. A lamp holder for miners' caps comprising, in combination, a supporting member for an attachment to the cap and including an upright portion and a portion extending rearwardly from the upper end of the upright portion and having an opening therein, of a socket member secured to the rear side of the upright portion of the supporting member and provided with a socket opening, the first mentioned opening being slightly displaced with relation to the axis of the socket opening and located above the upper end of the said socket opening, whereby to effect a springing of the bill of a lamp hook inserted through the first mentioned opening and into the socket opening and thus cause frictional binding of the hook bill in the socket opening.

1,563,932. SUPERHEATED-STEAM LOCOMOTIVE. CHARLES W. SMITH, Keyser, W. Va. Filed July 20, 1923. Serial No. 652,789. 2 Claims. (Cl. 121—134.)



1. In a steam locomotive having a pipe for conveying steam to a cylinder, an exhaust steam nozzle within the smoke box directed towards the stack, means for closing the discharge end of the exhaust nozzle, an air inlet pipe extending through the wall of the smoke box provided with an automatic valve for preventing escape of steam therefrom having one end connected to the exhaust nozzle below its discharge end and having its other end open to the atmosphere.

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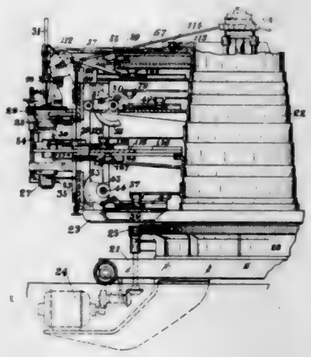
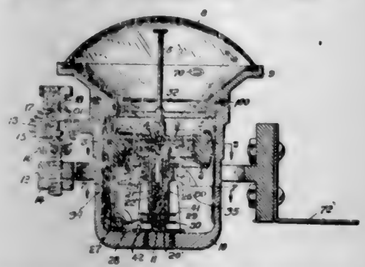
1,563,933. GLASS-FORMING MACHINE. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 2, 1922. Serial No. 591,749. 12 Claims. (Cl. 49—5.)



11. In a glass blowing machine, the combination of a mold carriage, a blank mold thereon, means to rotate the carriage and bring said mold over a pool of molten glass, a neck mold above and in register with said blank mold, means to draw a charge of glass by suction into the molds, means to lift the molds, means to sever the glass at the lower end of the blank mold, means to form an initial blow opening in the upper end of the blank, means to simultaneously apply air pressure at the two opposite ends of the blank, while in said molds, means to separate the molds by a relative vertical movement thereof, leaving the blank suspended from the neck mold, a sectional finishing mold on the carriage, and means to move it bodily transversely into a position between the separated neck mold and blank mold.



1,563,934. GYROSCOPIC INCLINOMETER FOR AEROPLANES. ELMER A. SPERRY, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 15, 1918. Serial No. 211,989. 20 Claims. (Cl. 74—78.)



3. In gyroscopic apparatus, the combination with a top, means for blowing air on said top in such direction as to exert a couple thereon, a pendulous device, and means responsive to inclination of said device for rendering effective said blowing means.

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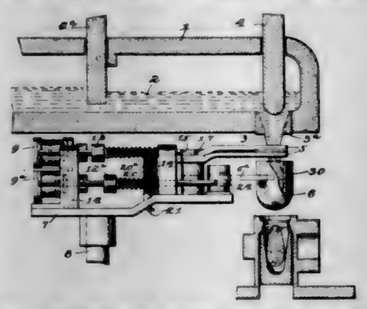
1,563,935. GLASS-FEEDING APPARATUS. THOMAS STENHOUSE, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a Corporation of West Virginia. Filed Aug. 12, 1920, Serial No. 403,068. Renewed Sept. 17, 1925. 11 Claims. (Cl. 49—55.)



2. Glass delivering and cutting mechanism including a pair of cup forming members pivotally mounted and adapted to oscillate in substantially a horizontal plane, shears pivotally mounted above and adjacent to said cup forming members, and resilient means for maintaining proper shearing contact between the shear blades.

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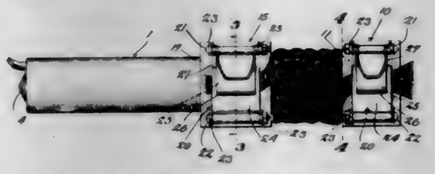
1,563,936. HAIR CURLER. BENJAMIN F. STEWART, Birmingham, Ala. Filed June 6, 1925. Serial No. 35,410. 2 Claims. (Cl. 132—34.)



1. A hair curler comprising a hollow body portion, a core mounted within the body portion, said body portion having a groove extending longitudinally thereof, a head having a rib mounted in the groove to prevent rotation of the head with respect to the body portion, a head secured to one end of the core and adapted to rotate therewith, clamping members on the heads to clamp an article thereto, said last mentioned head adapted to rotate to twist an article around the body portion, and means for restricting reverse movement of the last mentioned head.

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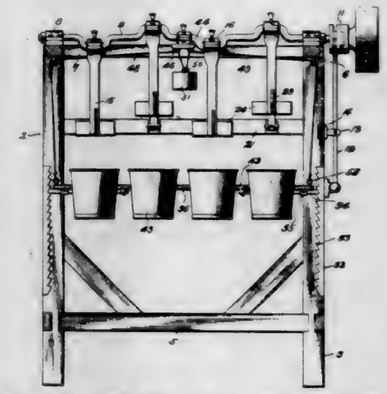
1,563,937. BROOMCORN-HURL-SHAKING MACHINE. THEODORE J. STROEFER, New Bremen, Ohio. Filed May 16, 1922. Serial No. 561,456. 6 Claims. (Cl. 300—18.)



1. In a machine of the character described, in combination a suitable frame, a crank shaft journalled in the frame, a shaker connected with the crank portion of the shaft, said shaker comprising a rod having a jaw, said rod having pivoted thereto an arm, a jaw carried by said arm and cooperating with the first mentioned jaw, whereby a quantity of straw interposed between the jaws is gripped and held for the purpose set forth, a member pivoted to the shaker arm, and to a fixed portion of the machine whereby a spaced pivotal connection is established between said rod and frame.

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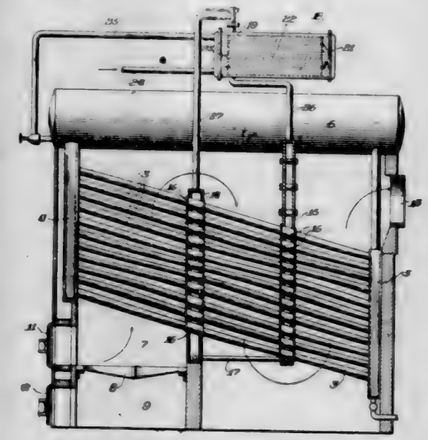
1,563,938. WATER-TUBE BOILER. JOHN M. SULLIVAN, Culver, Ind. Original application filed Aug. 26, 1920, Serial No. 406,113. Divided and this application filed Oct. 26, 1923. Serial No. 670,821. 3 Claims. (Cl. 122—412.)



1. In a water tube boiler, the combination of a plurality of water tubes, a fire box beneath the forward end of said tubes, a steam drum above and communicating with said tubes, a front hollow baffle and a rear hollow

baffle intermediate the ends of said tubes, the front baffle being adjacent the fire box and so spaced as to permit the products of combustion to pass above the same, the rear baffle being so spaced as to permit the said products to pass between it and the front baffle and then beneath the same, means providing communication between the hollow interiors of said baffles at their lower ends, a feed water heater, and pipes connecting said heater and said baffles together to form a closed circuit.

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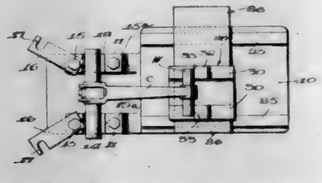
1,563,939. TESTING AND TRUING DEVICE. JOHN COOPER TAYLOR, Hermansville, Mich. Filed Aug. 4, 1924. Serial No. 730,049. 5 Claims. (Cl. 33—180.)



1. In a testing and truing device for connecting rods, a mandrel adapted to be inserted into the crank shaft bearing end of a connecting rod, an elongated base having means for rotatably supporting the mandrel, a carriage mounted for longitudinal adjustment on the base, and a slide mounted on said carriage for movement transversely of said base.

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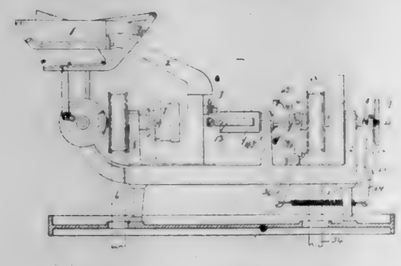
1,563,940. BOLT MACHINE. FRANK W. TRENN, Willoughby, Ohio, assignor to The Economy Engineering Company, a Corporation of Ohio. Filed Mar. 23, 1921. Serial No. 454,808. 1 Claim. (Cl. 10—107.)



In a machine of the character described, the combination of a rotatable cutting head, a reciprocable, non-rotatable chuck in alignment therewith, said chuck comprising blank grasping mechanism and a reciprocable hollow shaft, a reciprocable rod in said shaft adapted to operate said blank grasping mechanism, cam means for moving said rod to cause said chuck to grasp a blank, resilient cam controlled means to cause said chuck to move toward and insert the blank in said cutting head, and other cam means in connection with said resilient means for causing said chuck to retreat from said cutting head and to cause said grasping mechanism to release said blank.

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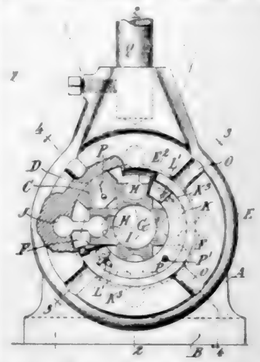
1,563,941. FERRULE-CONTRACTING MACHINE. CARL FREDERICK WICHMANN, Brooklyn, N. Y., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a Corporation of New York. Filed Aug. 3, 1922. Serial No. 579,510. 4 Claims. (Cl. 78—15.)

1. A contracting machine comprising a side plate having lugs the exterior surfaces of which are circular in form, said lugs having their opposing faces constructed to form slideways, jaws in said slideways, a circular operating member fitting said exterior circular surfaces of the lugs and carrying members adapted to operate said



jaws, said members being links formed with enlarged substantially cylindrical heads fitting into circular recesses in said operating member and jaws.

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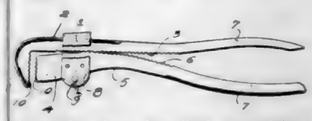
1,563,942. WRENCH. JOHN P. ACORD, Montcoal, W. Va. Filed Aug. 29, 1922. Serial No. 585,105. 1 Claim. (Cl. 81—31.)



A wrench of the class described comprising a pair of parallel shank members having their adjacent opposed edges serrated and adapted for engagement one with the other, a handle formed on the one end of each of said shank members, an inverted U-shaped sleeve pivotally secured adjacent the ends of the arms thereof to one of said shank members and encircling the other of said shank members, the crown portion of said inverted U-shaped sleeve being inclined forwardly and slightly spaced from the outer edge of the last mentioned shank member to permit of clearance and movement of said last mentioned shank member within said sleeve, and serrated jaws formed on the ends of said shank members opposite the handles, the jaw on one of said shank members being angular in design.

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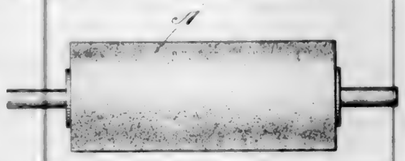
1,563,943. TOP PRESS ROLL FOR PAPER-MAKING MACHINES. RALEIGH B. ADAMS and FREDERICK R. WOODWARD, Newton, Mass., assignors to Stowe & Woodward Company, Newton Upper Falls, Mass., a Corporation of Massachusetts. Filed Dec. 22, 1924. Serial No. 757,529. 4 Claims. (Cl. 92—49.)



1. A top press roll whose surface comprises rubber and a chemical which is soluble in water.

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1,563,944. MASSAGE APPLICATOR. EDWARD B. ALLEN, Newtown, Conn. Filed Nov. 1, 1924. Serial No. 747,172. 2 Claims. (Cl. 128—62.)

2. In a device of the class described, the combination with a head having a plurality of apertures, of a plu-



rality of elastic rubbing tips projecting through said apertures and formed with collars at their inner ends, a backing member in engagement with the collared ends

of said tips, and a screw disposed substantially centrally of said head and connecting the latter with said backplate.

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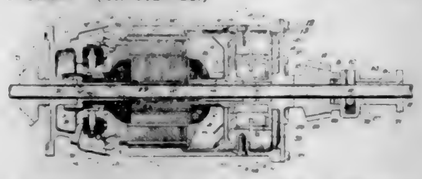
1,563,945. ELECTRIC MOTOR. VINCENT G. APPLE, Dayton, Ohio. Filed July 8, 1921. Serial No. 483,255. 1 Claim. (Cl. 172—36.)



A dynamo electric machine structure comprising a cylinder, a dynamo electric machine in one end of the cylinder, eccentric speed reduction gearing in the other end of the cylinder, a shaft extending entirely through the casing to transmit power from both ends, a tubular shaft upon which the armature of said machine is fixed, rotatable on said extended shaft and extending into said speed reduction gearing, and an eccentric rotated by said extended shaft to operate said gearing in either direction dependent upon the direction of rotation of said extended shaft, but locking against rotation of said tubular shaft by power applied to said extended shaft.

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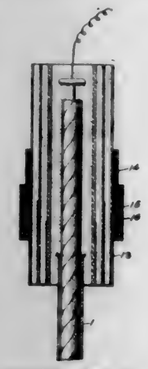
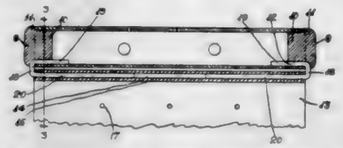
1,563,946. HIGH-TENSION TERMINAL. RALPH W. ATKINSON, Perth Amboy, N. J., assignor to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 19, 1923. Serial No. 619,795. 5 Claims. (Cl. 173—353.)



1. A terminal structure for an electrical cable including at one end a screen of conducting material surrounding the cable end, electrically united with the cable sheath, and flaring from the sheath longitudinally of the cable and in direction toward the exposed end, a second shield of conducting material electrically united with the cable sheath and arranged peripherally of the screen first named and terminating at a point more remote from the exposed end of the conductor than the first screen, and a casing of insulating material.

1,563,947. HINGE STRUCTURE FOR LOOSE-LEAF DEVICES AND THE LIKE. HUBERT AUBURN, Cincinnati, Ohio. Filed May 29, 1924. Serial No. 716,782. 8 Claims. (Cl. 129—12.)



8. In a device of the class described the combination of a tubular housing, a U-shaped hinge pin comprising arms, a plug for retaining the one arm of the hinge pin in the tubular housing, and a hinge plate connected with the second arm of the hinge pin.

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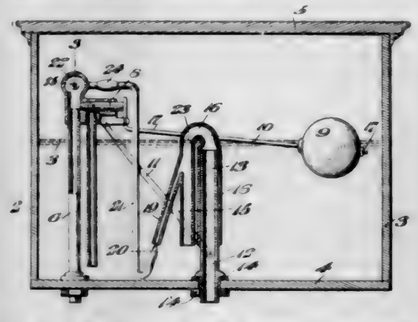
1,563,948. SIPHON FLUSH BOX. GEORGE AZONE, Philadelphia, Pa. Filed Apr. 29, 1925. Serial No. 26,567. 2 Claims. (Cl. 4—44.)



1. In a flush tank, a siphon having a gravity limb, and an open ended limb with two branches at an acute angle to each other, a nozzle in proximity to and in operative alignment with the inclined branch of said free end of the siphon, and means to discharge a jet of water through said nozzle into said inclined branch.

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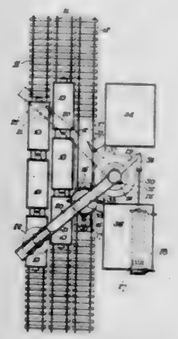
1,563,949. METHOD AND MEANS FOR FURNACE CHARGING. DAVID BAKER, New Castle, New South Wales, Australia. Filed Dec. 7, 1923. Serial No. 679,104. 8 Claims. (Cl. 214—18.)



1. The method of charging a furnace which consists in assembling a mass, consisting of a plurality of materials, in required proportions and in evenly distributed horizontal layers, and then depositing said mass into

the furnace in substantially vertical lines of travel while maintaining the layer formation of the mass as assembled.

6. In a furnace charging system, the combination of a hopper, means for delivering charges of pig thereto, means for delivering other materials to the hopper in required proportions and in evenly distributed layers, means for transporting the hopper to the furnace, and means for delivering the hopper contents to the furnace through a substantially vertical path of travel corresponding in cross-section to the full horizontal cross-sectional areas of the hopper and of the furnace in order that the charge may be deposited in the furnace without disturbing its even layer formation.

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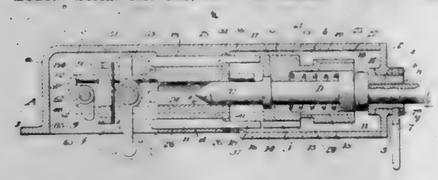
1,563,950. CONTROL MEANS. VERNON W. BALZER and JOHN MCKNIGHT BALLOU, Los Angeles, Calif., assignors to Thomas Coolidge, Los Angeles, Calif. Filed May 4, 1923. Serial No. 636,733. 16 Claims. (Cl. 74—58.)



1. In a device of the character disclosed, a shaft, a ram slidable thereon, a resilient connection between said ram and shaft, and a trigger member for engagement with said ram and adapted to be released from said ram upon movement of the shaft in one direction to permit movement of the ram independent of the shaft.

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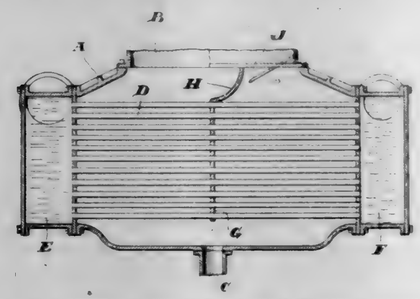
1,563,951. SURFACE CONDENSER. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Original application filed Oct. 15, 1924. Serial No. 743,695. Divided and this application filed June 30, 1925. Serial No. 40,511. 3 Claims. (Cl. 257—43.)



1. A condenser having tubes with different temperatures along their length resulting in unequal capacities for condensing steam in vertical sections along their length, and means including a partition dividing the condenser into warm and cool sections and a valve at the inlet to the warmer section for directing an increased flow or passage of steam to the cooler section.

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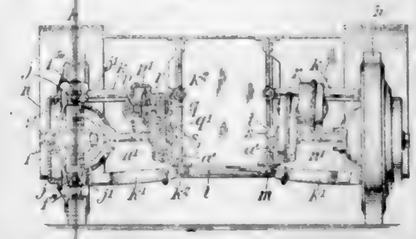
1,563,952. SPRING SUSPENSION FOR VEHICLES. GERALD BARKER, London, England. Filed Oct. 9, 1923. Serial No. 667,447. 10 Claims. (Cl. 180—43.)

1. In a vehicle spring suspension, in combination, a chassis member, a bearing member for a road-wheel, and resilient supporting means extending between the chassis and the bearing member and comprising two supporting frames attached to said bearing member one above the other, each embodying two arms separately attached



at their inner end to the chassis member at points widely separated in the longitudinal direction of the vehicle and converging towards the wheel.

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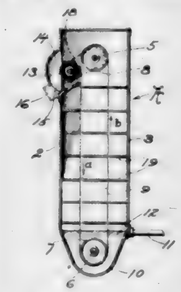
1,563,953. METHOD OF DESICCATING EGGS. CLEO E. BARNHILL, San Francisco, Calif. Filed Apr. 20, 1925. Serial No. 24,384. 3 Claims. (Cl. 159—49.)



1. A method of desiccating egg albumen which consists in separating the egg yolks and albumen and exposing the albumen in the form of a thin suspended film so that both sides of the film are exposed to the drying action of a warm current of dry air to dry the albumen.

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1,563,954. THIMBLE. JOSEPH M. BARTON, Tulsa, Okla. Filed May 9, 1925. Serial No. 29,132. 5 Claims. (Cl. 223—51.)

1. A thimble comprising a body formed with a finger receiving socket leading from one end, and a work-engaging head of disk-like formation carried by the other end of said body and having a smooth work engaging outer surface, said head being of greater diameter than the body and extending in overhanging relation to the sides of the body to form a work engaging under surface.

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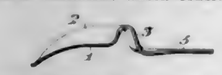
1,563,955. IMPRESSION TRAY. SAMUEL R. BARTON, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 25, 1921. Serial No. 455,606. 2 Claims. (Cl. 32—67.)

1. A dental impression tray formed of a unitary blank of sheet material and comprising a pliant bowl of uniform thickness and a handle of relatively greater thickness and stiffness than said bowl.



2. The method of producing a dental impression tray having a bowl and handle formed of a stamping of metal of uniform thickness, which consists of immersing



the bowl portion thereof in a solution of caustic soda until the thickness of said bowl is relatively thinner than said handle, and then immersing the handle to provide a uniformly etched surface.

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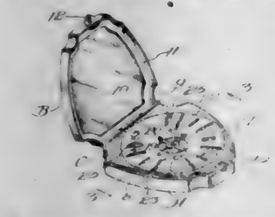
1,563,956. VANITY CASE. GEORGE T. BATES, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a Corporation of Illinois. Filed June 3, 1925. Serial No. 34,514. 3 Claims. (Cl. 132—83.)



1. A vanity case in which is a top plate with a seat therein, a circular shaker plate mounted on the seat, there being openings in the two plates adapted to register when the shaker plate is rotated to a predetermined position, and a detachable pivotal connection between the two plates comprising a pin carried by the one and extended through an opening in the other, there being a pair of slots oppositely extended from the opening, and a hub carried by the pin adapted to enter the plate opening, there being a pair of fingers extended from opposite sides of the hub in a manner to pass through the slots in the plate opening and when turned relative therethrough, to secure the one plate to the other, substantially as described.

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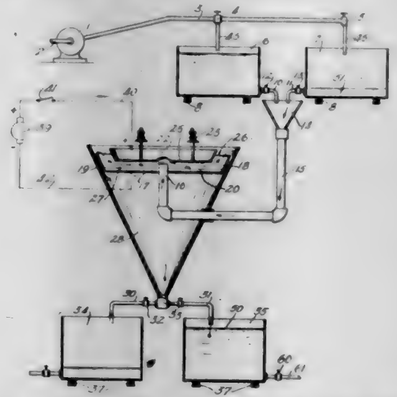
1,563,957. PROCESS AND APPARATUS FOR PRECIPITATING GOLD FROM SOLUTIONS. WELLS H. BATES, Los Angeles, Calif. Filed July 2, 1923. Serial No. 649,004. 7 Claims. (Cl. 204—5.)



1. An apparatus for the recovery of precious metals: a cathode of mercury, said cathode having a comparatively large continuous active area; and a flat anode in close proximity to said cathode, said anode having a comparatively large continuous active area opposite the active area of said cathode.

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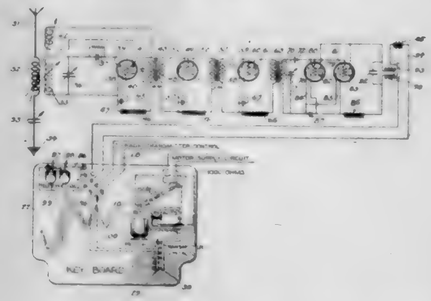
1,563,958. RADIO RECEIVING SYSTEM. JOHN B. BRADY, Somerset, Md., assignor to Morkrum Company, Chicago, Ill., a Corporation of Maine. Original application filed Dec. 28, 1921, Serial No. 525,298, Patent No. 1,485,212, dated Feb. 26, 1924. Divided and this application filed Aug. 11, 1923. Serial No. 656,956. 3 Claims. (Cl. 250—8.)



1. A radio receiving system comprising in combination a plurality of election tube circuits each arranged to respond to a characteristically timed succession of impulses of energy, a pair of electron tubes connected therewith each tube having grid, filament and plate electrodes connected in parallel, an input circuit for said tubes tuned to respond to said impulses of energy, an output circuit for said tubes for delivering said impulses, means connected with said output circuit for responding with negligible time lag to said impulses and mechanical means controlled by said means for selectively choosing a character represented by a particular succession of impulses in said electron tube circuits and for effecting the printing of such character.

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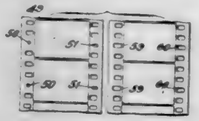
1,563,959. PRINTING COLOR CINEMATOGRAPHIC FILMS. PERCY D. BREWSTER, East Orange, N. J. Filed Nov. 15, 1920. Serial No. 424,331. 4 Claims. (Cl. 88—16.4.)



1. In the art of color cinematography, the improvement comprising exposing a negative film in a suitable camera for the production of a series of color value images, developing and fixing the film so exposed, and thereafter re-perforating the film to provide registry perforations, a suitable distance apart in uniform relation to the images, for subsequent use in printing the images on a positive film.

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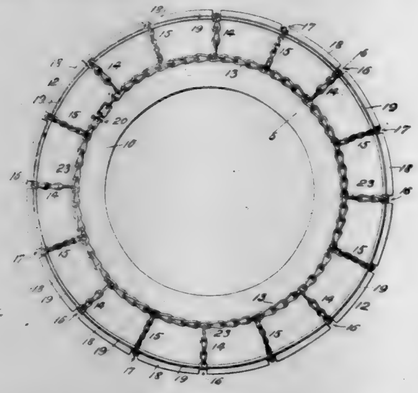
1,563,960. NONSKID DEMOUNTABLE TREAD FOR VEHICLE WHEELS. JAMES B. BROCKHURST, Red Bank, N. J. Filed Apr. 28, 1921. Serial No. 465,281. 3 Claims. (Cl. 152—16.)

1. A non-skid demountable tread for the tire casings of vehicle wheels comprising a tread of approximate normal traction width adapted to be applied upon and extend circumferentially around the periphery of the tire casing and to engage the roadbed during normal forward traction, non-skid members engaged with said tread and adapted to extend transversely therefrom along portions of the opposite sides of said casing out of contact with roadbed during normal forward traction and to be throw-

into operative engagement with the roadbed during intervals of lateral stress on the tire casing shifting said tread from its normal relation to the roadbed, and flexible tensioning members to which the outer ends of said non-skid members are connected and which are



adapted to extend along and upon the opposite sides of said casing, the tightening of said tensioning members serving to bind said tread against the tire casing and the extent of distortive yielding permitted in said members under lateral stresses serving to control the lateral movements of said tread on the tire casing.

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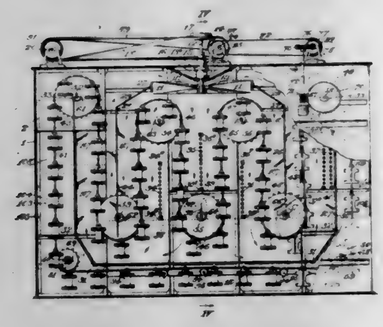
1,563,961. DRYING APPARATUS. JOSEPH L. BUCKLEY, Trenton, N. J., assignor, by mesne assignments, to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 22, 1920. Serial No. 353,226. 9 Claims. (Cl. 34—12.)



3. Apparatus of the character described comprising, an enclosure and a plurality of substantially U shaped partitions therein, being within another and oppositely disposed with respect the other, the said inner partition being inverted, said partitions being devoid of right angles in cross sectional shape.

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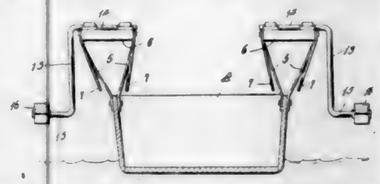
1,563,962. ROWING MACHINE. GILMORE BUSS, Sandpoint, Idaho. Filed Feb. 28, 1925. Serial No. 12,270. 5 Claims. (Cl. 115—28.)

5. A rowing machine comprising in combination with a boat, standards mounted on said boat, a crank shaft journaled on one of said standards, an arm secured to said shaft intermediate of its ends, another arm longer than the first mentioned arm, pivotally mounted on the other standard, a bar pivotally connecting said



arms, a paddle blade secured to said bar adjacent the first mentioned arm, and a counterweight on the free end of the first mentioned arm.

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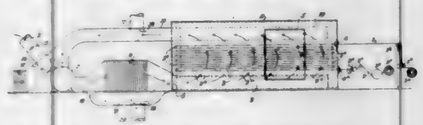
1,563,963. DRYING AND HEATING APPARATUS. HUGH LINLEY BYRD, Stockport, England. Filed July 10, 1925. Serial No. 42,743. 1 Claims. (Cl. 34—48.)



Drying and heating apparatus comprising a treating chamber, a heating element external to said chamber, a blower also external to said chamber, a by-passage round said heating element, and valve controlled passages, whereby during the drying operation air can be circulated through said heating element and the chamber, or can be wholly or in part by-passed past the heating element and circulated through the chamber, and fresh air can be introduced into the system and a portion of the whole of the used air returned to atmosphere; and for rapidly cooling the chamber air can be drawn from atmosphere, passed through the chamber, and then returned to atmosphere.

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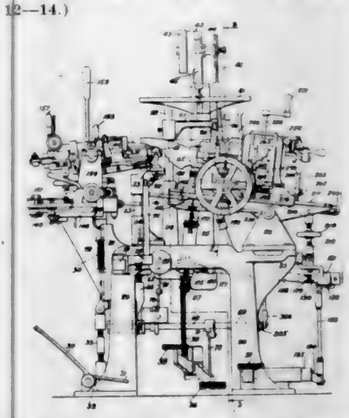
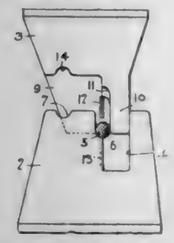
1,563,964. LASTING MACHINE. AXEL FOLKE CARLSON, Cambridge, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed July 2, 1924. Serial No. 723,692. 33 Claims. (Cl. 12—14.)



1. In a lasting machine, toe and heel wiping mechanisms, a heel support, an adjuster or wheel for adjusting the heel support toward and from the toe mechanism, the same operating from the heel mechanism, and means for clamping the heel support so that the said adjuster may then be used for adjusting the heel mechanism toward and from the shoe.



1,563,965. METHOD OF AND APPARATUS FOR MAKING NUTLESS BOLTS AND RIVETS. ANDREW CHRISTIANSON, Butler, Pa. Filed May 3, 1923. Serial No. 636,426. 2 Claims. (Cl. 10—27.)



1. The method of making split bolts and the like that comprises forming a V-notch in the end of the blank by movement of a cutting die thereacross, and by the same movement shearing the end of the blank lengthwise in the line of said notch.

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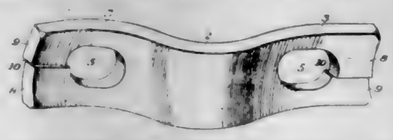
1,563,966. RAIL SPRING AND METHOD OF MAKING THE SAME. WILLIAM J. COSTELLO, Jr., Oakmont, Pa., assignor to Verona Tool Works, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 16, 1925. Serial No. 2,866. 9 Claims. (Cl. 238—259.)



1. A rail joint spring shaped to cooperate with adjacent rail bolts, said spring having at least one end thereof shaped to effectively resist loosening of a nut while permitting relatively free movement of the nut in the opposite direction to tighten the same substantially as described.

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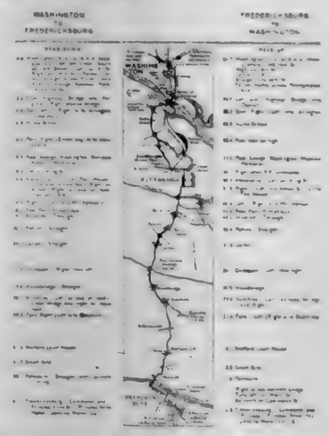
1,563,967. ROUTE SHEET. RUSSELL W. CULLEN, Hyattsville, Md., assignor to American Automobile Association, Washington, D. C., a Corporation of Connecticut. Filed Oct. 11, 1924. Serial No. 743,066. 4 Claims. (Cl. 283—34.)



1. In a route sheet, the combination of a column bearing cartographic indicia relative to a route of travel; and a second column bearing enumerated informative data relative to said route of travel, certain items of cartographic indicia being disposed in the first column in accordance with the location of certain items of informative data in the second column, and certain other items of informative data in the second column being disposed in accordance with the location of certain items of cartographic indicia in the first column.

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1,563,968. METHOD OF MAKING BOILER BAFFLES. GEORGE H. DICKSON, Chicago, Ill., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Original application filed June 4, 1918, Serial No. 238,097. Divided and this application filed Dec. 19, 1922, Serial No. 607,919. Renewed Oct. 21, 1925. 9 Claims. (Cl. 25—157.)

1. The method of installing a baffle across tubes which consists in building up two walls across the tubes, at least one of which is formed of tiling, spacing the walls apart by removable means while being built, removing the said means, and pouring hardening plastic material within the space between the two walls.

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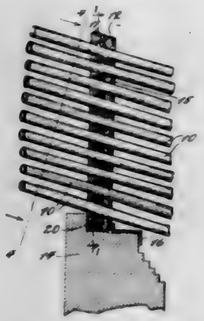
1,563,969. BAFFLE CONSTRUCTION. GEORGE H. DICKSON, Chicago, Ill., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Dec. 20, 1919. Serial No. 346,415. Renewed Oct. 26, 1925. 7 Claims. (Cl. 110—98.)



1. The method of installing a baffle across tubes and between walls extending transversely of the tubes, which consists in spacing the walls apart by strips, filling in

hardening plastic material within the space between the two walls, and withdrawing the strips as the filling in progresses.

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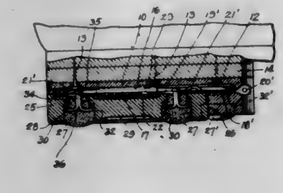
1,563,970. RUBBER HEEL TIP. ARTHUR M. EICHORN, New York, N. Y., assignor to Evernu Rubber Heel Corporation, New York, N. Y., a Corporation of Delaware. Filed July 18, 1923. Serial No. 652,252. 11 Claims. (Cl. 36—36.)



1. A rubber heel tip comprising, in combination, a base portion, means to secure said base portion permanently to a heel, a separable portion, and means to secure the separable portion, and means to secure the separable portion to the base portion, the latter mentioned securing means comprising a headed cushion plug in one of said portions and a member carried by the other of said portions and movable transversely of said headed plug and having an opening into which the headed plug is received, the opening being narrow enough to closely embrace the neck portion of the headed plug when moved to locking position.

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1,563,971. PROCESS OF STERILIZING CANNED FOODS. WILLIAM B. FENN, Port Washington, N. Y., assignor to Margaret F. Fenn, Port Washington, N. Y. Filed May 26, 1923. Serial No. 641,752. 2 Claims. (Cl. 99—8.)

1. In the process of sterilizing canned goods by subjecting the contents of the can to steam under pressure, and sealing the steam under pressure within the can, the step of vacuumizing the can and its contents.

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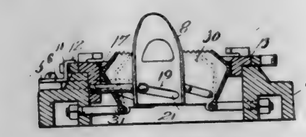
1,563,972. CORING AND TRIMMING MECHANISM. WILLIAM B. FENN, Port Washington, N. Y., assignor to Margaret F. Fenn, Port Washington, N. Y. Filed Dec. 29, 1923. Serial No. 683,315. 17 Claims. (Cl. 146—52.)



1. A trimming device for fruits, vegetables and the like, comprising a plurality of fruit encompassing trimming blades adapted to be brought into contact with the outer surface of the article to be trimmed, and means for moving said blades.

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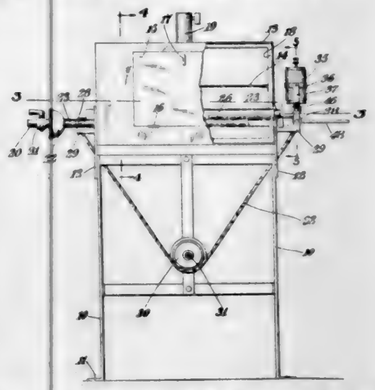
1,563,973. SAUSAGE BROILER. OTTO FEST, Newark, N. J. Filed June 26, 1925. Serial No. 39,662. 6 Claims. (Cl. 126—41.)

1. A sausage broiler comprising an oven having heat insulated walls, a door in the side of said oven, means for supporting the oven, a tube fixed in the end walls of the oven, gas pipes arranged parallel to said tube, said pipes having jet openings to impinge on said tube,



control means for said pipes, rollers at the ends of said tube, and an endless chain disposed over said rollers to travel through said tube.

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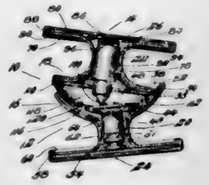
1,563,974. SEPARABLE BUTTON. FRANS EDWARD FORSELL, Providence, R. I., assignor to Parks Bros. & Rogers, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 4, 1925. Serial No. 6,867. 32 Claims. (Cl. 24—102.)



1. A separable cuff button comprising two cooperating members each having a head, a shank and a base, the heads of said members comprising cooperating, complementary latch portions adapted to couple and to securely interlock said members at an angle to each other when said portions are brought into contact with each other, and said members are manually tilted.

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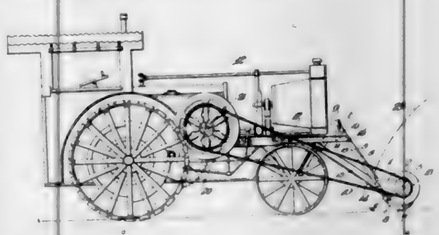
1,563,975. DEVICE FOR BACK FILLING TRENCHES. CONRAD F. GOERINGER, Wilkes-Barre, Pa. Filed Apr. 3, 1923. Serial No. 629,545. 6 Claims. (Cl. 37—144.)



1. In a device of the character stated, an inclined shield pivotally and removably atached to a motor, tractor or the like, which shield extends from the ground to the motor frame in one direction and entirely across the motor front in the other direction, bearings



carried by the lower portion of said shield, a shaft rotatably mounted on said bearings, a conveyor fixed to said shaft and located at the lower portion of said shield, a gear mounted on the end of said shaft and means for rotating said shaft, gear and conveyor in unison to move excavated material laterally for deposit in a trench which trench is in parallelism with the longitudinal axis of said motor.

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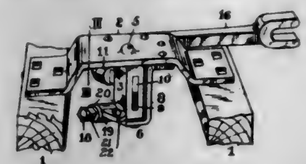
1,563,976. PARALLEL-THROW SWITCH STAND. LOUIS A. GREEN, Pittsburgh, Pa. Filed Sept. 11, 1925. Serial No. 55,658. 9 Claims. (Cl. 246—411.)



1. In a switch-stand, the combination of a support, a vertically disposed pivot-shaft journaled in said support, crank connection between said shaft and the movable switch-rail, said shaft being provided with a vertically elongated dimetric opening, a crank-lever journaled in said support on a horizontal axis, a bar rotatably connected at its one end to the inner end of said crank-lever and having its other end slidably engaging the opening in said pivot-shaft, and a throw-arm fixedly connected to the outer end of said crank-lever.

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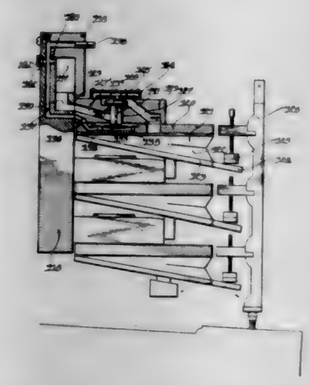
1,563,977. PLAYER PIANO. AXEL G. GULBRANSEN, River Forest, Ill., assignor to Gulbransen Company, Chicago, Ill., a Corporation of Illinois. Filed June 23, 1920. Serial No. 391,023. 1 Claim. (Cl. 84—24.)



In a player piano, a pneumatic stack comprising two wood members of L-shaped cross-section glued together to form a main channel extending longitudinally near the top thereof, said main channel having a plurality of vertical branch channels leading downwardly from and lying entirely below said main channel, a plurality of narrow wood valve shelves glued to said channel board and situated parallel to said main channel, said shelves each having a plurality of valve chambers therein, and a plurality of striking pneumatics glued to each of said valve shelves, said shelves having communicating channels therein leading from each of said valve chambers to one of said branch channels and one of said pneumatics respectively.

1,563,978. PROCESS OF MAKING CARBON AND OTHER COATED PAPERS. ALFRED HAIGH and HAROLD RAVEN HART, Staffordshire, England. Filed Sept. 7, 1922. Serial No. 586,779. 2 Claims. (Cl. 91—68.)

2. A process including superposing at least four webs of paper in a manner to permit ready separation of the webs, the inner webs being thicker than the outer webs; and coating the exposed face of one of the outside webs, leaving the unexposed faces of the webs uncoated.

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1,563,979. AIRPLANE. RANDOLPH F. HALL, Ithaca, N. Y., assignor of one-fourth to Theodore P. Hall, Wallingford, Conn., and one-fourth to Paul Wilson, Ithaca, N. Y. Filed Dec. 31, 1924. Serial No. 759,081. 55 Claims. (Cl. 84—40.)

1. In combination, an airplane element formed with an extended substantially horizontally disposed passageway therein, and a mount for ordnance mounted on said element for movement as a unit horizontally along said passageway.

18. In combination, an aircraft including a control surface therefor, and a movable ordnance mount operatively connected with said control surface.

34. In combination, an aircraft element formed with an open passageway therein, an ordnance mount movable along said passageway, and means for maintaining said passageway closed in all positions of said mount therealong.

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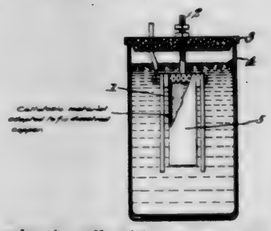
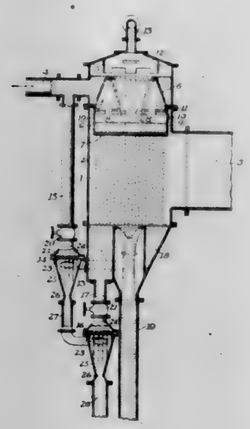
1,563,980. GALVANIC CELL OF THE COPPER-OXIDE TYPE. GEORGE W. HEISE, Bayside, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed May 27, 1924. Serial No. 716,267. 11 Claims. (Cl. 136—116.)



1. In a galvanic cell with copper oxide depolarizer and fluid caustic electrolyte, a material adapted to chemically fix dissolved copper and operatively disposed with respect to the depolarizer.

1,563,981. CONDENSER. ERNST G. HELANDER, Philadelphia, Pa. Filed May 20, 1921. Serial No. 471,199. 11 Claims. (Cl. 261—113.)



1. A condenser having a vapor inlet, a liquid inlet above said vapor inlet, means dividing the liquid as it flows downwardly, an air chamber above the liquid, and means operated by liquid from said inlet for removing the air from said chamber.

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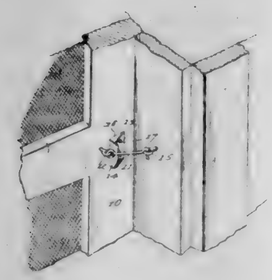
1,563,982. DOOR-JAMB PROTECTOR. JAMES P. HENDERSON, Topeka, Kans. Filed June 21, 1922. Serial No. 569,789. 2 Claims. (Cl. 292—95.)



2. A door jamb protector consisting of a plate having angularly disposed flange portions, and triangular end flanges connecting the first mentioned flange portions together, the plate having at one end portion a plane portion which is disposed at a right angle to the triangular flanges.

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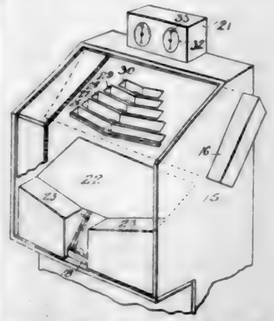
1,563,983. MOVING-POCKET GAME APPARATUS. MONNOSUKE HIGUCHI, College Point, N. Y. Filed Nov. 4, 1922. Serial No. 598,990. 10 Claims. (Cl. 273—101.)

1. In a game apparatus for playing ball and registering the score made, the combination of a cabinet having moving pocket units therein, a ball tossing mechanism in said cabinet, and means for causing the tossing mechanism to become effective to thereby place a ball into play for registering a score made by passing a ball through any one of said moving pocket units.



10. A moving pocket element and means for moving said element, means adjacent said moving pocket element for supplying a predetermined number of balls to be played into said moving pocket element.

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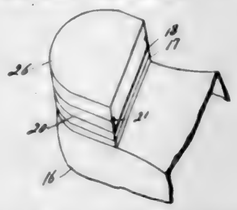
1,563,984. DETACHABLE SHOE HEEL. CLAYTON HOBERT, Philadelphia, Pa. Filed July 29, 1925. Serial No. 46,748. 3 Claims. (Cl. 36—36.)



1. In a device of the character described, the combination with a shoe having an opening therethrough, a holder attached to the shoe and provided with an aperture registering with the opening through the shoe, said holder having an inwardly projecting flange, a detachable heel having a groove for registration with the flange and provided with a key opening for registration with the aperture in the holder, and a key to hold said heel in place, said key comprising a tongue and tang at angles to each other, and a carrier provided with a pocket in which the tongue is inserted.

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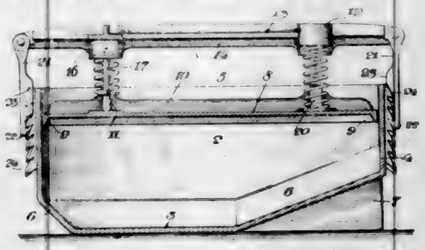
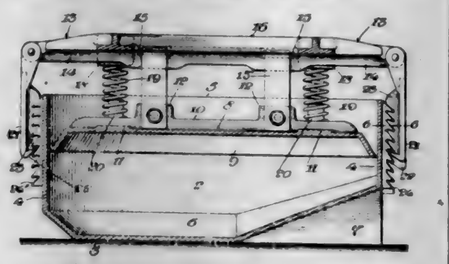
1,563,985. HAM BOILER. FREDERICK EDWARD HODDERSEN-BALLING, Brooklyn, N. Y. Filed Apr. 23, 1925. Serial No. 25,250. 19 Claims. (Cl. 100—57.)



1. In a ham boiler comprising a body and a cover, a locking means for connecting the cover with the body and comprising a swinging member connected with the cover and cooperating means carried by said swinging member and body and inclined crosswise in the direction of the width of the body.



1,563,986. HAM BOILER. FREDERICK EDWARD HODDERSEN-BALLING, Brooklyn, N. Y. Filed Apr. 23, 1925. Serial No. 25,251. 13 Claims. (Cl. 100—57.)



1. In a ham boiler comprising a body and a cover, a locking means for connecting the cover with the body and comprising a swinging member connected with the cover, and cooperating means carried by said swinging member and body and including two sets of spaced ratchet teeth and located side by side.

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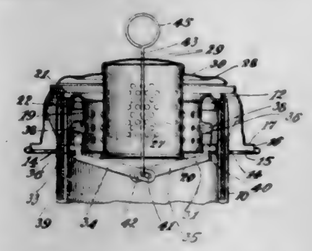
1,563,987. OIL-STOVE BURNER. WILLIAM C. HOMAN, Meriden, Conn., assignor to Lewis T. Wilcox, Peekskill, N. Y. Filed May 1, 1925. Serial No. 27,150. 4 Claims. (Cl. 158—94.)



4. In an oil stove burner, burner tubes, a wick associated therewith, an air distributor adapted to be received within the inner burner tube, a pair of bell crank levers having arms of different lengths, means for pivotally connecting the ends of the short arms of the bell crank levers with the said air distributor, the long arms of the said bell crank levers extending beneath the air distributor and overlapping each other, an internal rib on the inner burner tube adapted to be engaged by the said bell crank levers to normally maintain the air distributor in position in the burner, and means for connecting and moving the overlapping ends of the long arms of the bell crank levers for freeing the bell crank levers from the internal rib and lifting the air distributor from the burner.

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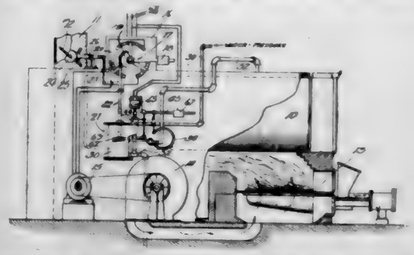
1,563,988. PRESSURE-CONTROLLED REGULATING MEANS FOR FURNACES. CURTIS L. HOWSE, Detroit, Mich., assignor to Craig Damper Regulator Company, a Corporation of Delaware. Filed Mar. 2, 1922. Serial No. 540,651. 2 Claims. (Cl. 236—85.)

1. The combination with a steam boiler, a forced-draft furnace therefor having a draft-fan, an electric motor for driving said fan and speed-changing means for said motor, of a pressure-controlled engine for operating said speed-changing means comprising a cylinder, a piston therein loaded to tend to move toward one end of said cylinder and operatively connected with said speed-changing means to actuate the latter, hydraulic pressure and relief connections for said end of said cylinder, valving means normally closing said cylinder end and movable to open either the pressure or relief connection alternatively, operative connections between said pressure-responsive device and said valve for moving the same in either direction, said connections including a normally energized electro-magnetic device having a part arranged, when de-energized, to move said valve to one extreme



of position, operative connections between said piston and said valve-moving connections whereby piston-movement tends to restore said valving means to normal position, and electrical connections between said electro-responsive device and the motor circuit whereby rupture of the latter may de-energize the former.

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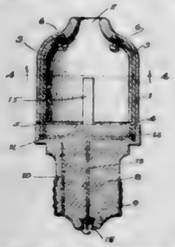
1,563,989. ELECTRIC ATTACHMENT PLUG. ROLAND THOMAS HUGHES, Oak Park, Ill. Filed Aug. 29, 1923. Serial No. 659,988. 6 Claims. (Cl. 173—343.)



1. In a device of the class described, a plug member having a plurality of independent coupling means whereby it may be connected to unlike supply terminals, a casing adapted to be secured to the exterior of said member, means for securing electrical conductors thereto and means for electrically connecting any one of the coupling means to the conductor securing means.

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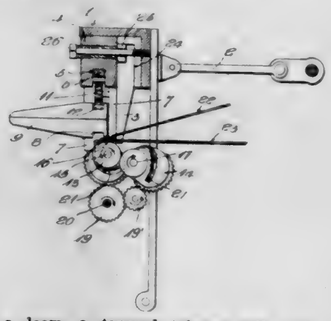
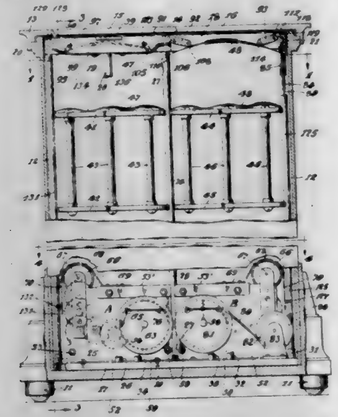
1,563,990. LOOM. FREDERIC G. HULME, Tacony, Philadelphia, Pa. Filed Aug. 1, 1925. Serial No. 47,533. 18 Claims. (Cl. 139—305.)



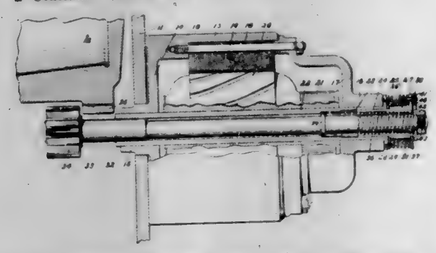
1. In a loom, a tapered take-up roll, and weaving mechanism operating to form the weave directly against a portion of the periphery of said roll.

1,563,991. DISPENSER FOR PAPER NAPKINS, TOWELS, AND THE LIKE. JOHN O. HUNT, Brooklyn, N. Y., assignor to Independent Paper Mills Inc., Brooklyn, N. Y., a Corporation of New York. Filed Oct. 10, 1924. Serial No. 742,737. 10 Claims. (Cl. 211—29.)



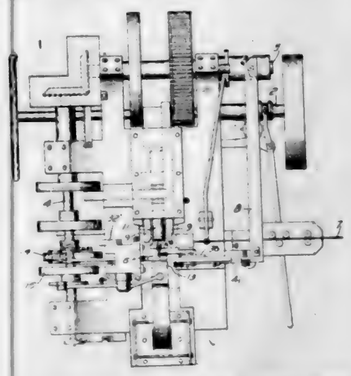
10. In a dispenser for paper napkins, towels and like articles, a vertically movable platform, a motor, a brake associated with the motor, devices for connecting the platform to the motor so that when operative the motor raises the platform to lift a pile of superimposed paper napkins, towels and the like placed thereon, a pair of pivotally mounted rocker levers adapted at corresponding edges to bear against the oppositely disposed edge portions of the outermost article in the superimposed pile thereof, a finger carried by one of the said rocker levers, a lever adapted to be engaged by the said finger, a rocker bar, a link connecting the said lever with the rocker bar, and an arm carried by the rocker bar and adapted to engage with the brake of the said motor whereby when the said rocker lever is permitted to descend to the position in which the finger carried thereby frees the said lever the rocker bar and the arm carried thereby effect the release of the motor brake permitting the motor to become operative to raise the said platform until the superimposed pile of articles thereon raises the said rocker lever to a position in which the finger carried thereby actuates the said lever causing the said link to swing the said rocker bar to move the arm carried thereby into contact with the motor brake to set the same and to thereby cause the motor to become inoperative.

1,563,992. ENGINE-STARTING MECHANISM. ERNEST R. HUNTLEY, Los Angeles, Calif., assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Feb. 16, 1921. Serial No. 445,371. 2 Claims. (Cl. 290—38.)



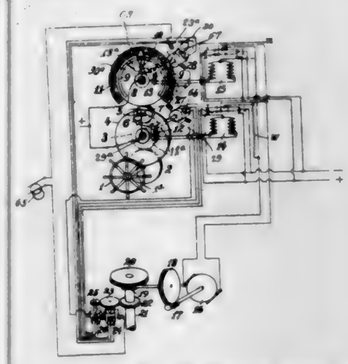
1. In a starter drive for engines the combination of a motor, having a hollow shaft; a drive shaft, screw threaded adjacent one end; a stop arm extending radially from the drive shaft at the end adjacent the screw threaded portion; a drive wheel fixed to the other end of the shaft; a sleeve screw threaded to the threaded shaft portion, said sleeve carrying a pin adapted to engage the stop arm; a spring coiled around the shaft and adapted to form a driving connection between the hollow shaft and sleeve; said stop arm engaging said stop pin only when the sleeve is at its outer limit of movement on the drive shaft.

1,563,993. AUTOMATIC MACHINE FOR MAKING CHAINS. ANDREW LANGSTAFF JOHNSTON, Jr., New York, N. Y., assignor, by mesne assignments, to Ott'N On Chain Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 25, 1920. Serial No. 419,220. 44 Claims. (Cl. 59—28.)



1. In an automatic power driven chain-making machine, the combination with means operative in regular recurrent sequence to form blanks and shape the same into links, of means to effect periodically interrupted threaded connection thereof for producing separate chain units each comprising a predetermined plurality of connected links.

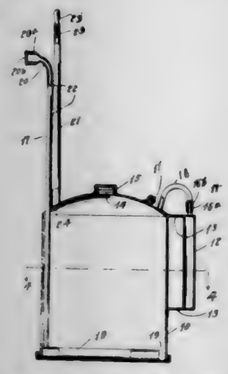
1,563,994. SYSTEM FOR ADJUSTING DEVICES AT A DISTANCE. PAUL KAMINSKI, Berlin-Pankow, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a German Corporation. Filed Jan. 24, 1921. Serial No. 439,650. 1 Claim. (Cl. 177—351.)



In a system of electric telecontrol of objects the combination of a plurality of contact devices all located at a control station and each of them consisting of a disk provided with two insulated contacts and of a contact pointer, hand-operated means for rotating the disk of each of said contact devices, a plurality of contact relays each of them energized by one of said contact devices, a single motor for adjusting the object to be controlled, and means controlled by the different contact relays, whereby the feeding circuit to the motor is variably controlled to control its speed and direction of rotation, a plurality of transmitters for coarse and fine adjustment actuated by the controlled object, and a plurality of corresponding receivers connected to said transmitters, each of said receivers rotating the pointer of one of said contact devices.

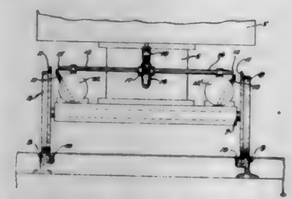


1,563,995. LIGHTING TORCH. ARTHUR KARR, Yakima, Wash. Filed May 10, 1924. Serial No. 712,325. 1 Claim. (Cl. 67—3.



A device of the class described having a container body, a pouring spout extending from the body, said spout being located partly interiorly and partly exteriorly of the body and extending through the top of the latter, said spout at its base having a radial inlet portion located on the bottom of the body and extending more than half way across the bottom and terminating relatively close to the adjacent side wall of the body to avoid use of a valve, said portion being interiorly unobstructed, a wick tube extending from the top of the body to a point beyond the spout, said tube being relatively close to and connected to the spout, said spout at its outer end being deflected away from the tube to form a nozzle, a securing element on said nozzle, and a foraminous safety means covering said nozzle and fastened by said securing element.

1,563,996. CURVE OILER. FREDERICK C. KEHR, Milwaukee, Wis. Filed Apr. 10, 1924. Serial No. 705,610. 7 Claims. (Cl. 184—3.)

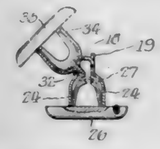


1. The combination with a tracked vehicle equipped with a pivotal truck member carrying a wheel at each side thereof, of a wheel oiling device, comprising an oil reservoir adjacent the inner face of each wheel, and means for automatically spraying oil from the left reservoir against the inner face of the left wheel when the truck member is turned to the left and from the right reservoir against the inner face of the right wheel when the truck member is turned to the right.

1,563,997. CUFF LINK. ANDREW J. KENNEDY, Chicago, Ill., assignor to Parks Bros. & Rogers, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Aug. 16, 1924. Serial No. 732,425. 26 Claims. (Cl. 24—102.)

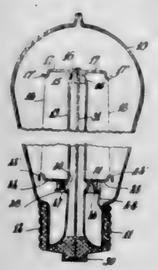
1. A cuff link comprising in combination separable cuff buttons each consisting in a base, a stem attached to said base, and a coupling member attached to the free end of said stem, said coupling members permitting relative movement of the buttons about one axis only so that the buttons may lie at an angle to one another to accommodate the natural slant of the cuff and also permitting the buttons to be disengaged from each other by pressure applied inwardly and at one side of the said axis, the coupling member of one button being adapted to receive the coupling member of the other button, and a slot in one side of the first cylindrical coupling member to receive the stem of the other button when the buttons lie at an angle as mentioned.

1,563,998. CUFF LINK. ANDREW J. KENNEDY, Chicago, Ill., assignor to Parks Bros. & Rogers, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Jan. 12, 1925. Serial No. 1,728. 9 Claims. (Cl. 24—102.)



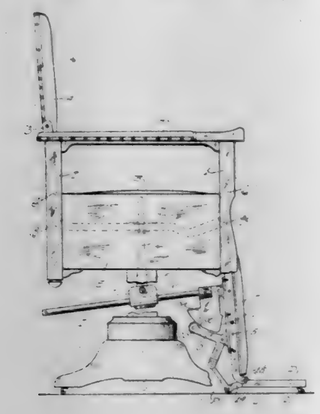
1. A cuff link comprising in combination separable cuff buttons, one of said buttons comprising a head, a stem, and a hollow coupling member, and the other button comprising a head, a stem, and a co-operating coupling member adapted to interlock within said hollow coupling member, said coupling members permitting relative movement of the buttons about one axis only, and means holding said buttons interlocked at an angle to each other.

1,563,999. INCANDESCENT LAMP. EREMY KIRIAK, Ford, Ontario, Canada. Filed Nov. 28, 1922. Serial No. 603,742. 2 Claims. (Cl. 176—16.)



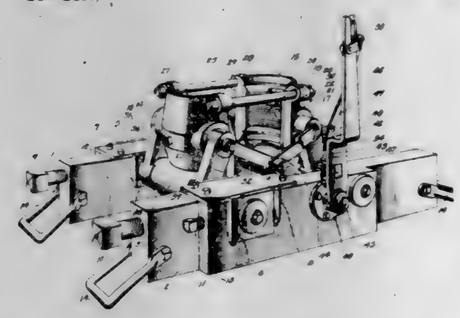
1. In an incandescent lamp, a filament support comprising an elongated member having a circumferential shoulder formed thereon, a disk resting on said shoulder and having a depending exteriorly screw-threaded flange, an element engaging the lower face of said shoulder and having an upwardly projected annular flange screwed into the first flange, and a series of arms radiating from said disk and adapted to have a filament looped thereover.

1,564,000. HAIR DRESSER'S AND BARBER'S CHAIR. WALTER F. KOKEN, St. Louis, Mo. Filed Dec. 14, 1923. Serial No. 680,723. 5 Claims. (Cl. 155—171.)



1. A chair provided with a swinging apron, a foot rest carried by the apron, a rockable member on the apron, a positive connection between said rockable member and foot rest for transmitting movement from one of said parts to the other, a reclining bar connected with the apron, and a cam on said reclining bar arranged so as to engage and actuate said rockable member when the apron moves from one position to another position.

1,564,001. PIPE CLAMP. GEORGE KRELL, Sapulpa, Okla. Filed Dec. 5, 1924. Serial No. 754,094. 8 Claims. (Cl. 24—249.)

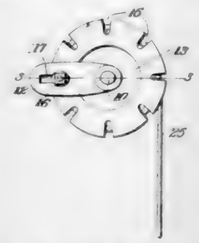


6. A device of the class described comprising two shafts, means connecting the shafts in spaced relation, a pair of rock arms on each shaft, means loose on each shaft for maintaining the rock arms of each bar in parallelism and jaws carried by the rock arms.

1,564,002. ACID-RESISTANT SHELLAC SUBSTITUTE. JOSEPH R. KUHN, Montclair, N. J., assignor, by mesne assignments, to Carleton Ellis, Montclair, N. J. Filed Jan. 12, 1922. Serial No. 528,839. 16 Claims. (Cl. 134—26.)

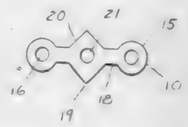
1. The process of making a spirit varnish which comprises treating metaparacresol with about one and one-half times its weight of sulphur chloride in the presence of a hydrocarbon diluent, whereby a resin is formed in solution, blowing the solution with heated air at a temperature below 156° C. whereby the diluent and hydrochloric acid are removed, dissolving the deodorized resinous product in an alcoholic solvent and adding a small amount of phosphoric acid sufficient to change the solution from a brown to a yellow color.

1,564,003. VEHICLE SPRING CHECK SHOCK ABSORBER. CHARLES F. LAVALLEE, Newmarket, N. H. Filed Oct. 31, 1924. Serial No. 747,050. 3 Claims. (Cl. 267—10.)



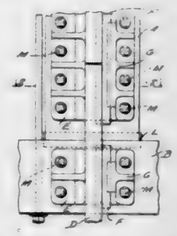
1. A device of the class described comprising a stud, a plate movable turnably on said stud, an arm on said stud, said plate having a plurality of slots, means carried by said arm selectively engageable in said slots to secure the plate in different adjusted positions, a drum movable with respect to the plate, a check member extending from the drum, and a check spring operatively associated with said plate and drum.

1,564,004. HANGER SUPPORT. ROBERT C. LEGAT, New Britain, Conn., assignor to The C. E. Prentice Manufacturing Company, a Corporation of Connecticut. Filed Mar. 23, 1925. Serial No. 17,694. 5 Claims. (Cl. 150—40.)



1. A hanger support for use with a key case, having a pendant portion in the form of a substantially hollow structure that is provided with an opening at the lower end, a hanger for receiving a key having a shank of wire that is projected through said opening so that the free end portion is housed within said structure, and said free end portion being curled upon itself in the plane of the shank without diminishing the cross sectional area thereof to provide an operative fit within said structure for cooperating therewith as a swivel connection.

1,564,005. JOINT FOR RAILWAY-RAIL ENDS. BRADFORD LESLIE, London, England. Filed Feb. 13, 1924. Serial No. 692,535. 4 Claims. (Cl. 238—47.)

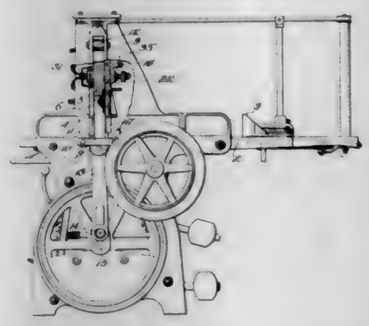


1. An inflexible support for the ends of railway rails designed to preserve their running surfaces in the same plane without the use of fishplates, comprising a sleeper



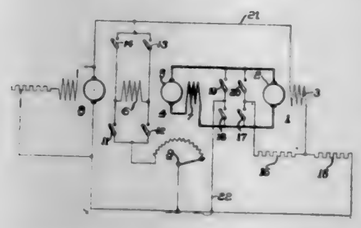
platform consisting of a joint block, additional supporting blocks on either side of said joint block, means rigidly connecting the joint block with the adjacent supporting blocks to maintain the surfaces thereof at the same level, said means including tie bolts passing through said supporting blocks, and a bearing plate secured centrally upon the said joint block and supporting the abutting ends of the rails at their junction and for a distance on either side thereof.

1,564,006. MACHINE FOR CUTTING SHEET MATERIAL. MARTIN B. MCLAUTHLIN, Malden, Mass. Filed Oct. 29, 1924. Serial No. 746,514. 11 Claims. (Cl. 64—47.)



1. In a machine of the character described, the combination of a knife-carrying cross-head; means for moving said cross-head up and down with provision for movement thereof endwise also; a vertically movable clamping bar for holding the material while being operated upon; a stop for limiting the upward movement of said bar; a spring pressed friction shoe connected with the clamping bar and frictionally engaging the cross-head; means for deflecting the cross-head endwise in one direction when the movement of the clamping bar is arrested by the material being operated upon during the downward travel of the cross-head, and means for deflecting the cross-head endwise in the opposite direction when the movement of the clamping bar is arrested by said stop during the upward travel of the cross-head.

1,564,007. MOTOR-CONTROL SYSTEM. RALPH W. MCNEILL, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 26, 1923. Serial No. 641,539. 8 Claims. (Cl. 172—239.)

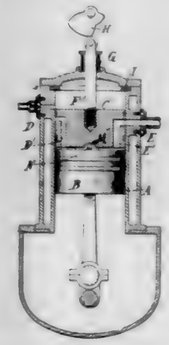


1. The combination with a motor and a generator in circuit therewith, of means for varying the field excitation of the generator to vary the motor speed, and static means for varying the field excitation of said motor in accordance with the generator voltage.

1,564,008. TALKING MACHINE. FRANK MALOCSAY, New York, N. Y., assignor, by mesne assignments, to Sonora Phonograph Company, Inc., a Corporation of New York. Filed May 24, 1915. Serial No. 30,066. 23 Claims. (Cl. 185—44.)

1. In a talking machine, the combination with a record carrier, of means for rotating said record carrier and means for controlling the stopping and starting of said rotating means, of means for rendering said controlling means inoperative to start the rotation, when the record carrier has been rotated to a predetermined extent.

1,564,009. GAS ENGINE. EUGENE V. MYERS, East Orange, N. J. Filed Aug. 14, 1911. Serial No. 643,820. Renewed May 6, 1922. Serial No. 559,058. 19 Claims. (Cl. 123—78.)

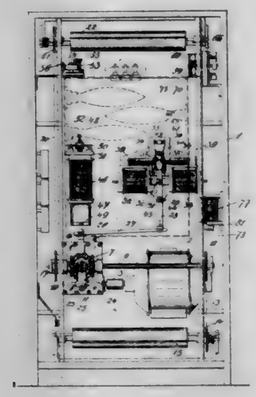


1. In a gas engine, the combination of a cylinder and piston, and a piston valve for reducing or avoiding the normal compression space during the exhaust stroke of the engine, said valve co-operating solely with ports in the cylinder walls.

1,564,010. TRANSLUCENT LUMINOUS ADVERTISING MIRROR. CARL NOURNEY, Berlin-Wilmersdorf, Germany. Filed Mar. 1, 1915. Serial No. 11,433. 2 Claims. (Cl. 40—53.)

1. A device of the character described comprising a casing having a window therein, transversely disposed rollers mounted in the upper and lower portions of said casing, a translucent web windable upon said rollers, illuminating means within the casing rearwardly of said web, a motor driven shaft within the casing, gears upon said shaft individually connected to the rollers for rotating the same, clutch means movable on the shaft for selectively connecting said gears thereto, opposed electromagnetic means in the casing having a core common to

each, means connecting said core to the clutch means, opposed electrical circuit closing means in proximity to said core adapted to be individually closed for controlling said illuminating means, another electro-magnetic means in the casing, a core movable through the same, an electric contact plate carried on said last core, electric contacts on the last mentioned electromagnetic means en-



gageable by said contact plate for controlling energization of said first electromagnetic means, circuit closing means operable by intermittent engagement with said web for energizing the last mentioned electromagnetic means, and other circuit closing means supported upon the casing and operable by movement of the translucent web thereby for effecting selective energization of the first mentioned electromagnetic means.

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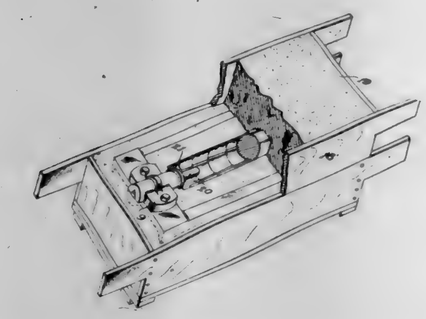
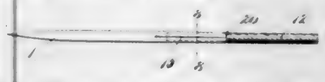
1,564,011. ALIGNMENT JIG FOR USE IN CASTING ROLLS. THEODORE H. OPPENHEIM and BERNARD SELHORST, Coldwater, Ohio, assignors to New Idea Spreader Co., Coldwater, Ohio, a Corporation of Ohio. Filed Nov. 20, 1924. Serial No. 751,081. 5 Claims. (Cl. 22—125.)



1. The combination with a mold for casting rolls having shaft members at their ends, of means for securing shaft members at the ends of the mold cavity and maintaining said members in axial alignment while permitting endwise movement of the same during contraction of the cast roll.

1,564,012. SUTURE. EDWARD J. OVINGTON, Auburndale, Mass., assignor to Davis & Geck, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 5, 1923. Serial No. 622,780. 4 Claims. (Cl. 128—339.)



1. A needle having one end swaged to provide free portions the adjacent edges of which converge and merge into the body proper of the needle and which may be brought into substantial contact throughout their length when wrapped about a ligature.

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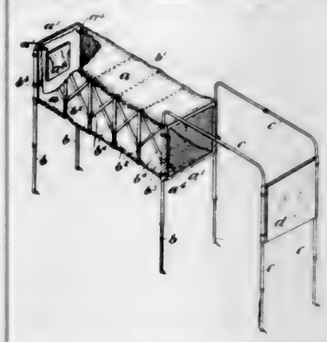
1,564,013. SIGHT-TESTING APPARATUS. HAROLD GEORGE PANK and CHARLES WILLIAM LAUBMAN, Adelaide, South Australia, Australia. Filed Apr. 5, 1922. Serial No. 549,704. 6 Claims. (Cl. 88—20.)



1. In a sight testing apparatus, a tunnel frame adjustably supported and comprising a series of parallel vertically disposed side stays, cross bars movable on a central pivot, each bar being pivoted at one end to the stays, the other ends sliding in slots in the stays, a closure at one end of said tunnel, a mirror and lighting facilities carried by the closure for directing the vision, and an enclosing flexible cover for said frame.

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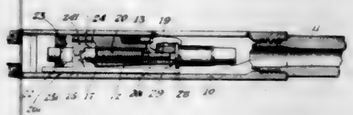
1,564,014. FIREARM. JOHN D. PEDERSEN, Jackson, Wyo. Filed Mar. 28, 1925. Serial No. 19,055. 15 Claims. (Cl. 42—25.)



1. In a device of the character described, in combination, a firing pin, an ejector, and a spring for retracting said ejector, said spring surrounding said firing pin.

7. In a firearm, in combination, a breech block, a firing pin and an ejector mounted in said breech block and interengaging parts on said firing pin and said ejector normally effective to retain said firing pin and ejector in place in said breech block.

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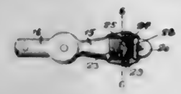
1,564,015. LUMINOUS ATTACHMENT FOR ELECTRIC-SWITCH-OPERATING MEMBERS. BENJAMIN C. PERKINS, Hartford, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed June 27, 1922. Serial No. 571,137. 1 Claim. (Cl. 240—1.)

An attachment for an electric switch operating member having a peripheral threaded area and a radially



serrated end, said attachment comprising a cap having a tapped recess to screw on the threaded area of the switch operating member, a lock washer secured in the



bottom of said recess to engage the radial serrations at the end of the switch operating member, and luminous material at the opposite end of the cap.

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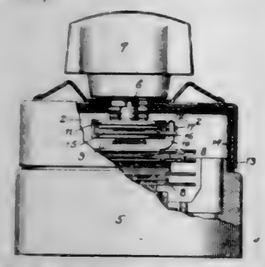
1,564,016. ELECTRIC SWITCH. BENJAMIN C. PERKINS, Hartford, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Nov. 4, 1922. Serial No. 599,015. 3 Claims. (Cl. 200—166.)



1. A coil spring for an electric switch or the like, comprising a double cone torsion spring the terminal spires of which are of greater diameter than the intermediate spires, the spire of least diameter having an internal diameter sufficient to freely accommodate the switch spindle, the terminal spires of the spring having offset ends adapted under torsional stress to straddle and engage between them a pair of abutments relatively pivoted coaxial with the spindle, and angularly displaceable with respect to each other to place the spring under increased torsional stress.

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1,564,017. VALVE GRINDER. JUDSON C. PEWTHER, Denver, Colo. Filed Aug. 7, 1922. Serial No. 580,288. 2 Claims. (Cl. 51—29.)

1. A valve grinding device comprising a support having a handle, a shaft oscillatably mounted in the support and extending parallel to the handle, a rotatable member mounted upon the support and having a crank handle, a pair of star wheels mounted upon the shaft on each side of the rotative axis of said member, the rotatable member having inwardly projecting teeth adapted to engage the teeth of the star wheel and the teeth of the star wheels being set in alternate relation to each other, the teeth of the star wheel being curved reversely to the direction of movement of the star wheel and the teeth of the rotatable member being inclined in the direction of rotation.

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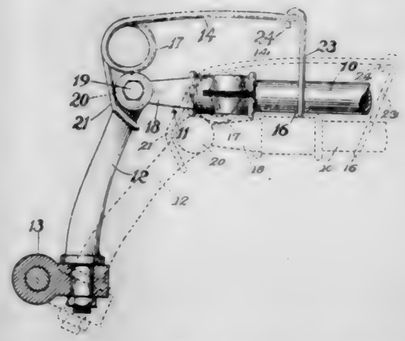
1,564,018. STEERING STABILIZER. JUDSON C. PEWTHER, Wichita, Kans. Filed Dec. 16, 1924. Serial No. 756,303. 3 Claims. (Cl. 280—93.)



1. The combination with two members disposed at an angle and pivotally connected at their adjacent ends, of a resilient body disposed upon the exterior of the angle between the members and having connection with one of the members whereby it is rendered rigid to the member, the opposite end of the body having a stirrup pivoted thereto for rocking movement and engaging the other of said members and by its engagement tending to move said other member into alignment with the first named member, the rocking movement of the stirrup permitting shifting of the resilient body upon the pivotal connection of the members without longitudinal movement of the stirrup upon the other of said members at the point of its engagement therewith.

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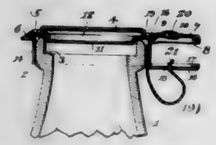
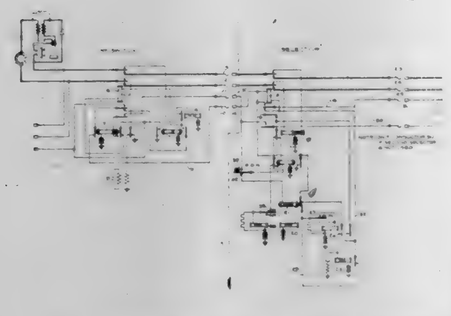
1,564,019. MILK-BOTTLE COVER. HENRY M. PIERCE, Chippewa Falls, Wis. Filed Aug. 21, 1924. Serial No. 733,389. 8 Claims. (Cl. 215—38.)



1. A milk bottle cover comprising a body portion having a depressed inner part, a depending rim spaced from said depressed part and a handle member extended laterally from the lower edge of said rim, a closure member having an up-set inner part opposing the depressed part of the body portion, said closure member further including an inclined flange spaced from said up-set part and a laterally extending handle projecting from said flange and opposing the handle of the body portion, said rim and handle being slotted, and a resilient element positioned against the inner face of and further extending through said rim, said element having its upper end connected to the slotted handle of the closure member and its lower end connected to the slotted handle of the body portion and providing means for securing said closure against said body portion and the latter to the bottle.

**1,564,020. AUTOMATIC TELEPHONE SYSTEM.** WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 14, 1922. Serial No. 543,697. 18 Claims. (Cl. 179—18.)



1. In an automatic telephone system, a plurality of telephone lines, a plurality of primary trunks, an automatic switch for connecting a calling telephone line to any idle primary trunk, a numerical switch for each primary trunk arranged for directive movement in response to impulses and trunk hunting movements, secondary trunks terminating in said numerical switches, means for sending several series of impulses over said telephone line, means responsive to the first series of impulses for directively operating said numerical switch, means operating at the termination of the first series of impulses for causing said numerical switch to hunt for an idle trunk, means effective to release said numerical switch if a second series of impulses is transmitted over said telephone line before said numerical switch has completed its trunk hunting operation, and means for notifying the calling subscriber of the release of said numerical switch.

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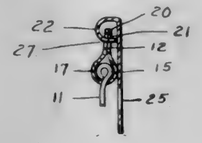
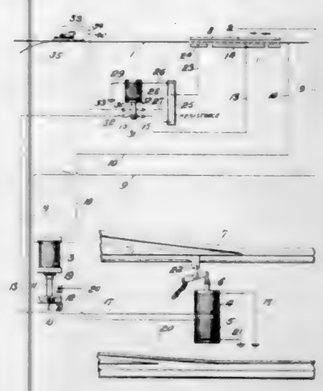
**1,564,021. KEY CASE.** GEORGE EDWARD PRENTICE, Berlin, Conn., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed Aug. 22, 1925. Serial No. 51,837. 1 Claim. (Cl. 150—40.)




In combination, a supporting plate for attachment to a key case, having at one edge a plurality of spaced fingers bent back into contact with the plate and forming loops, a plurality of hanger supports each attached to one of said fingers for free swinging movement thereon, and each having a pendant portion in the form of a substantially hollow structure that is provided with an opening at the lower end, a hanger for receiving a key having a shank of wire that is projected through said opening so that the free end portion is housed within said structure, and said free end portion being curled upon itself in the plane of the shank without diminishing the cross sectional area thereof to provide an operative fit within said structure for cooperating therewith as a swivel connection.

**1,564,022. LOCKING DEVICE FOR ELECTRIC SWITCHES.** ROBERT M. ROBINSON, Louisville, Ky., assignor to Cheatham Electric Switching Device Co. Inc., Louisville, Ky., a Corporation of Kentucky. Filed Sept. 28, 1921. Serial No. 503,945. 3 Claims. (Cl. 246—227.)



1. In an apparatus of the class described, an electrically operated switch throwing device with circuits therefor, a solenoid with means connected therewith for opening the switch throwing circuits contained in said switch throwing device and means for closing a circuit through the solenoid for holding open the switch throwing circuits and a circuit opener with a part adapted to be moved by a trolley wheel to open the circuit through said solenoid.

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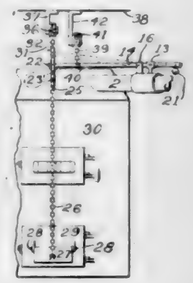
**1,564,023. DRAFT REGULATOR.** DANIEL J. SCANLAN, St. Louis, Mo. Filed Oct. 27, 1923. Serial No. 671,081. 6 Claims. (Cl. 236—10.)



1. The combination with a hot-air furnace provided with a hot-air pipe, of a thermostat located in said hot-air pipe in spaced relation to the body of the furnace, means directly operated by the said thermostat for controlling the supply of cold air to the air-heating chamber of the said furnace, and separate means adjustable relatively to the said thermostat and operated thereby for controlling the draft through the fire.

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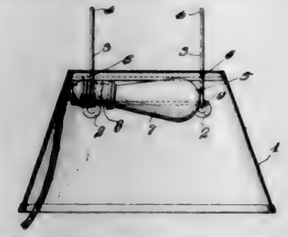
**1,564,024. COMBINATION LAMP AND LAMP SHADE.** ADOLPH SCHERER, Philadelphia, Pa. Filed Aug. 26, 1924. Serial No. 734,159. 3 Claims. (Cl. 240—52.)

1. A device of the character described including a lamp, a lamp shade and a rack adapted to support the lamp within the shade and to detachably support the shade, the rack consisting of a pair of hangers having hooks to support the shade from without and hooks



adapted to support the lamp within the shade, said hooks being connected by an angularly bent bar fixed to the hangers and carrying the lamp socket.



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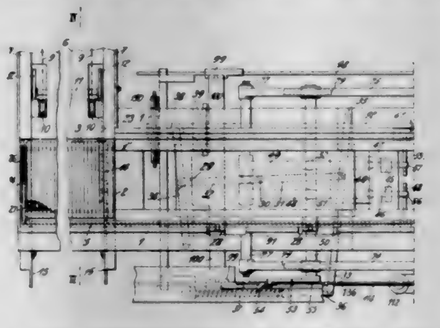
**1,564,025. ADDRESSING MACHINE.** JOHANN SCHEUNER, Konolfingen, Switzerland. Filed Apr. 16, 1923. Serial No. 632,185. 19 Claims. (Cl. 101—63.)



1. In an addressing machine, the combination with a reciprocatory platen, of drawers open below for lines of type arranged side by side therein, means for feeding the said drawers in succession into positional relation with said platen, and means for inking the type in the said drawers while on their way to the said platen.

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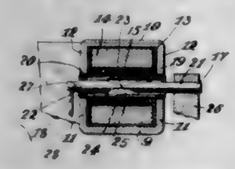
**1,564,026. TELEPHONE APPARATUS.** LAMBERT SCHMIDT, Brooklyn, N. Y., assignor to Radiotive Corporation, Brooklyn, N. Y. Filed Jan. 31, 1923. Serial No. 615,981. 15 Claims. (Cl. 179—119.)



1. An armature for magnet telephones, and resilient fulcrum means for said armature having the physical and geometrical fulcrum axis thereof intersecting the longitudinal axis of said armature.

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**1,564,027. HAIR CURLER.** DAVID L. SHORT, Philadelphia, Pa. Filed Aug. 19, 1924. Serial No. 732,915. 1 Claim. (Cl. 132—41.)

A hair curler having three arms, two of said arms being formed integral, one of the integrally formed arms being shorter than the other and the longer arm being provided with a perforation at the free end thereof and a third arm pivoted to the first two arms, with the shorter arm between the other two arms and a tongue

formed upon the third arm and adapted to enter the said perforation in the longer, integrally formed arm for securing said arms together.

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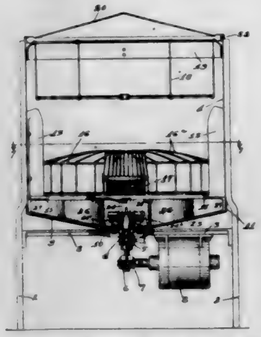
**1,564,028. DISHWASHING MACHINE.** CHARLES F. SMITH, Chicago, Ill. Filed Dec. 10, 1921. Serial No. 521,335. 1 Claim. (Cl. 141—9.)



In a dish washing machine, a spray forming wheel having a socket, a driving shaft having an upper end designed removably to receive said socket in clutched relation, and a sealing member comprising a cap flanged at its edge to fit over the shaft bearing and also having an intermediate annular flange fitting a groove in the top of said bearing.

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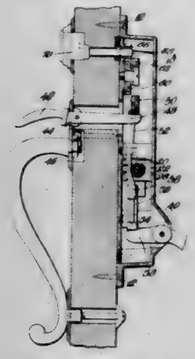
**1,564,029. SUSPENSION DEVICE.** GODFREY LEWIS SMITH, Newport News, Va., assignor to Newport News Shipbuilding and Dry Dock Company, Newport News, Va., a Corporation of Virginia. Filed July 27, 1925. Serial No. 46,506. 7 Claims. (Cl. 248—30.)

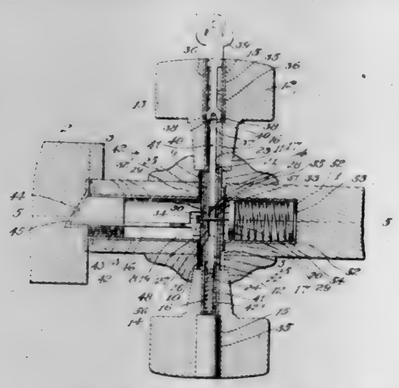
1. In a device of the character stated, a tubular support, upper and lower fittings for said support, upper and lower bridle members having their inner ends connected to said fittings and their outer ends converging and secured together and cables extending from the outer converging ends of said bridle members to fixed supporting points.

1,564,030. DOORLOCK. JOHN OTTO SOEMER, Newark, N. J. Filed Jan. 11, 1924. Serial No. 685,542. 4 Claims. (Cl. 70—29.)



1. A lock comprising a housing, a sliding latch bolt within the housing, a dog pivoted in the housing below the latch bolt, an arm pivoted in the housing below the dog, an inside release connected to the arm adapted to move the dog in a direction to retract the latch bolt, a swinging arm extending across the housing above the latch bolt, means for operating the arm from without the housing to retract the latch bolt, a rotating abutment for locking the arm against movement, and connections between the arm and latch bolt, permitting the latter to be operated by the pivoted dog independently of the movement of the arm.

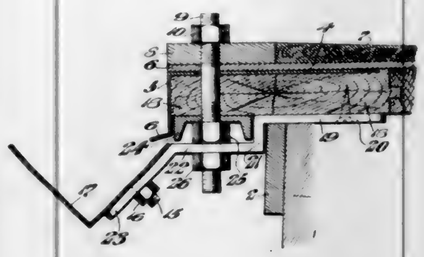
1,564,031. COMBINED DOOR KNOB AND LOCK. JOSEPH SONNENBERG, Irvington, N. J. Filed Oct. 29, 1924. Serial No. 746,485. 21 Claims. (Cl. 70—91.)



1. In a combination door-knob and lock, a door-knob, a tubular spindle extending from said knob, a bolt, means connected with said spindle for actuating said bolt, a tubular member oscillatorily disposed within said spindle, and a key-actuated mechanism within said knob for actuating the tubular member within the spindle and for thereby locking said bolt and the bolt-actuating means of the spindle against movement.

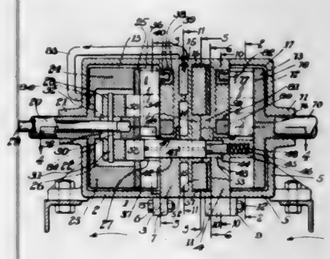
1,564,032. ROOFING CONSTRUCTION. JOHN FRANKLIN STUCKERT, Philadelphia, Pa. Filed July 22, 1925. Serial No. 45,303. 6 Claims. (Cl. 108—28.)

6. A roofing structure comprising supporting means, roofing boards thereon, roofing felt upon said boards, roofing pitch upon said felt, a covering strip arranged in parallelism with the outer edges of said roofing boards and upon said felt and abutting against the outermost



edge of said roofing pitch, and means including bolts and nuts for clamping said covering strip down upon said felt.

1,564,033. HYDRAULIC POWER TRANSMISSION AND BRAKE. WILLIAM M. SUBLETTE, Los Angeles, Calif. Filed Aug. 11, 1924. Serial No. 731,453. 4 Claims. (Cl. 60—53.)



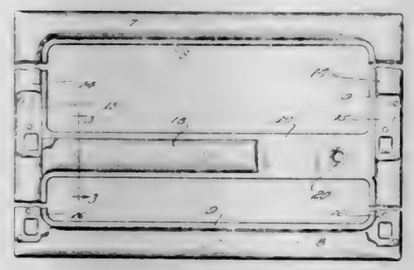
1. In a device of the character as disclosed, a casing containing liquid, a drive shaft journaled in said casing, a rotor on said drive shaft within said casing, said rotor being provided with a liquid chamber, a blade slidable in said rotor and said drive shaft across said chamber, a head in said chamber, means for reciprocating said blade so that it will escape said head during the rotation of said rotor, a driven shaft journaled in said casing, a rotor on said driven shaft within said casing, said rotor being provided with a liquid chamber, a blade slidable in said rotor and driven shaft across the chamber in said rotor, a head in said rotor chamber, means for reciprocating said blade so that it will escape said head as the driven shaft and rotor are rotated, said casing being provided with passages leading from the liquid chamber in the drive rotor at one side of the drive blade to the liquid chamber in the driven rotor at one side of the driven blade, said casing being provided with passages leading from the liquid chamber in the driven rotor at the other side of the driven blade to the liquid chamber in the drive rotor at the other side of the drive blade.

1,564,034. STOVE-OVEN FRONT FRAME. ALBERT H. TINNERMAN, Cleveland, Ohio. Filed July 31, 1923. Serial No. 654,936. 6 Claims. (Cl. 126—190.)

1. In a stove of the character described having a broiler oven and a top oven disposed thereabove, the combination of an integral frame comprising the front wall of the oven and broiler, a door for the top oven

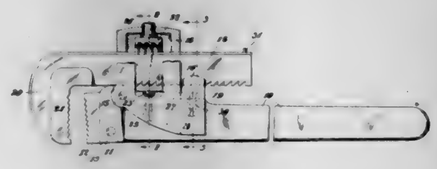


swingably mounted on the frame, a similarly mounted door for the broiler, said frame having an intermediate portion dividing the frame to define the door openings



for the oven and broiler and a replaceable panel member mounted on said dividing portion of the frame, the panel member conforming in appearance with the exposed portions of the frame.

1,564,035. WRENCH. FRANK W. TRABOLD, Marion, Ind. Filed Sept. 20, 1924. Serial No. 738,740. 4 Claims. (Cl. 81—157.)

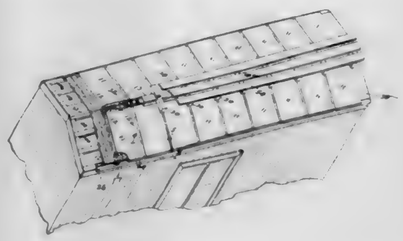


1. In a pipe wrench, a handle, a frame pivotally mounted on the handle, a jaw member having a shank slidable in the frame, a device engaging the slidable jaw to adjust the same to position, means for shifting the device laterally of the slidable jaw and independently thereof for disengaging the same from the slidable jaw thereby permitting the slidable jaw to be shiftable to place, a guide member, and means for yieldingly maintaining the guide member in contact with the shank of the slidable jaw.

1,564,036. RUG STRAND. OSSIAN T. WAITE, Oshkosh, Wis., assignor to Waite Grass Carpet Company, Oshkosh, Wis., a Corporation of Wisconsin. Filed Mar. 23, 1923. Serial No. 627,127. 2 Claims. (Cl. 96—26.)

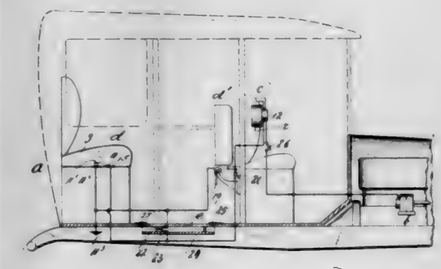
1. A length for the making of rugs consisting of a plurality of constituents braided together, part of the constituents being of a relatively soft, thin and pliable fabric laid flatwise into the braid to expose a major portion of its surface, and a part of the constituents being of thick bulky character and composed of bundled lengths of relatively stiff grass-like material, substantially as described.

1,564,037. CAR ROOF. CHARLES E. WALTER, Cleveland, Ohio. Filed Feb. 7, 1921. Serial No. 442,990. 10 Claims. (Cl. 108—5.)



1. In a car roof, the combination of roof sheets disposed transversely of the car body with uniform spacings therebetween and terminating at the ridge thereof, wooden sheathing therebeneath, drain strips extending transversely of the car with the edges thereof disposed beneath the edges of the roof sheathing below the plane thereof, and means, including a ridge cap and saddle blocks, for movably securing said sheets to the car body.

1,564,038. ATTACHMENT FOR TAXIMETER VEHICLES. ABRAHAM WEISS, New York, N. Y. Filed Jan. 23, 1923. Serial No. 614,363. 1 Claim. (Cl. 180—82.)

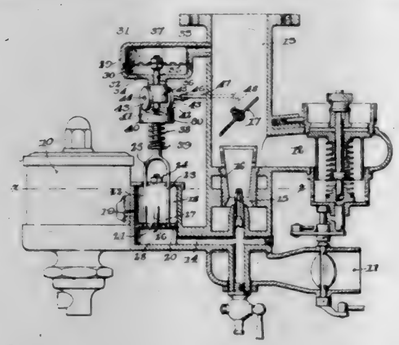


In a taximeter vehicle, the combination with the fare register or clock having a "flag" handle and the electric ignition system having one terminal grounded, of a switch controlled by said "flag" handle, of which one contact point is conductively connected to the insulated terminal of said ignition system, and a switch in the passenger compartment to be automatically controlled by the passenger, one contact point of said automatic switch being conductively connected to said other contact point of said "flag" switch and the other contact point of said passenger switch being grounded.

1,564,039. CARBURETOR. HOMER A. WHITEHORN, Port Washington, N. Y., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 24, 1920. Serial No. 360,836. 1 Claim. (Cl. 261—51.)

The combination of a carburetor having a fuel mixture outlet for communication with the intake manifold of an

internal combustion engine, a throttle for controlling the flow of fuel therethrough, means controlled by engine suction for varying the richness of the fuel mixture,



and means connected to the throttle for modifying the action of said first named means so that the richness of said fuel is solely dependent upon the speed of said motor.

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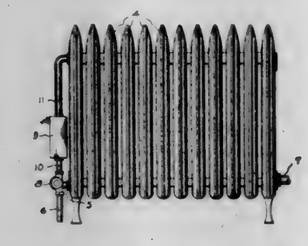
1,564,040. AUXILIARY ELECTRIC WATER HEATER. THOMAS H. WILLSON, Seattle, Wash. Filed Jan. 13, 1925. Serial No. 2,207. 3 Claims. (Cl. 219—38.)



1. The combination with a hot water radiator, having water inlet means, of an electric heater connected with said hot water radiator at two points at different elevations and means controlling the opening and closing of the water inlet connection and the lower electric heater connection with said radiator.

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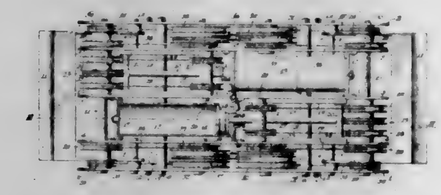
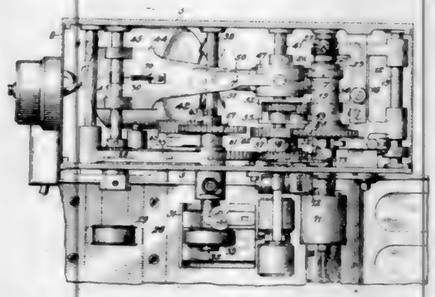
1,564,041. GRAB BUCKET. CLIFTON N. WINDECKER, Painesville, Ohio. Filed Feb. 25, 1924. Serial No. 694,881. 11 Claims. (Cl. 37—187.)



1. A grab bucket comprising a framework, spades pivotally connected to said framework adapted to close in proximity to said framework and when open extend downwardly from said framework, and means horizontally disposed in said framework adapted for swinging said spades on their pivots.

1,564,042. PRINTING MECHANISM. LAWRENCE J. ZAHN, Astoria, N. Y., assignor to The International Postal Supply Company, a Corporation of New York. Filed Sept. 25, 1922. Serial No. 590,255. 9 Claims. (Cl. 101—236.)



2. In a printing mechanism, spaced shafts each actuating an active element of the mechanism, an operating motor suspended from said shafts and having its shaft directly geared to one of the first named shafts, and a housing enclosing said gearing and providing a bearing for the motor shaft.

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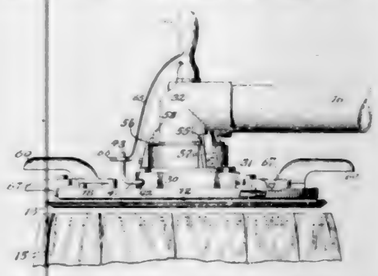
1,564,043. HEADING HOLDER FOR BARREL-MAKING MACHINES. EDWIN F. BEUGLER, Buffalo, N. Y., assignor to E. & B. Holmes Machinery Company, Buffalo, N. Y., a Corporation of New York. Filed Feb. 16, 1922. Serial No. 537,102. 14 Claims. (Cl. 294—64.)



1. A pneumatic gripper comprising a suction chamber which is adapted to be connected with an air exhausting device and which is provided on its margin with a depending flange, and an annular ring having its upper part secured to said flange and provided at its lower edge with serrations adapted to engage with the article to be gripped.

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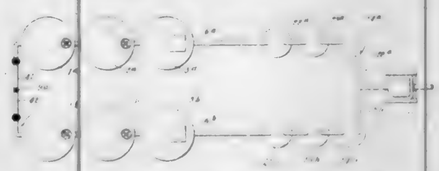
1,564,044. CHLORINATION APPARATUS. SANDFORD BROWN, Newark, N. J., assignor, by mesne assignments, to Halowax Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 13, 1921. Serial No. 437,010. 2 Claims. (Cl. 23—260.)



1. In chlorine-utilizing apparatus, the combination of a plurality of series of normally closed vessels adapted for the chlorination of naphthalene, in parallel, means for introducing therein material to be chlorinated in liquid



form, means for connecting at will the first vessel of either series, or of both series, to a chlorine gas container, and a suction pump connected to the last vessel of each series.

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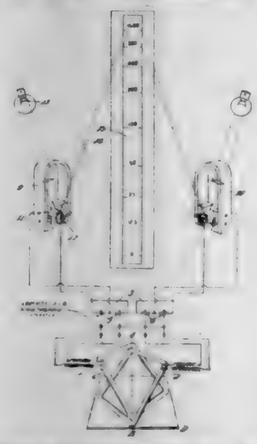
1,564,045. METHOD OF MEASURING ELECTRICITY. HERBERT COOCH, South Farnborough, England, assignor to Vickers Limited, London, England. Filed Apr. 17, 1925. Serial No. 23,822. 2 Claims. (Cl. 177—352.)



1. A method of measuring distance by electrical means, which comprises inducing a current in each of two coils normally positioned symmetrically with relation to the direction of the inducing field, applying the current so obtained to frequency reducers, operating the frequency reducers at such rate as to obtain currents of low frequency, and applying the resultan currents to a measuring means thereby indicating the relative E. M. F.'s induced in each coil.

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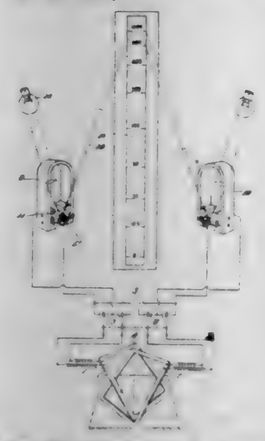
1,564,046. APPARATUS FOR MEASURING ELECTRICITY. HERBERT COOCH, South Farnborough, England, assignor to Vickers Limited, Westminister, England, a British Company. Original application filed Apr. 17, 1925, Serial No. 23,822. Divided and this application filed Oct. 21, 1925. Serial No. 63,822. 2 Claims. (Cl. 75—183.)



1. Means for the measurement of alternating current phenomena, comprising in combination, a coil in which alternating current from a field may be induced, said coil being mounted for bodily movement in all directions so as to present varying areas to the field and thereby varying the E. M. F. of the current induced, a frequency reducer and a measuring device operating at the reduced frequency and responsive to the E. M. F. of the current induced.

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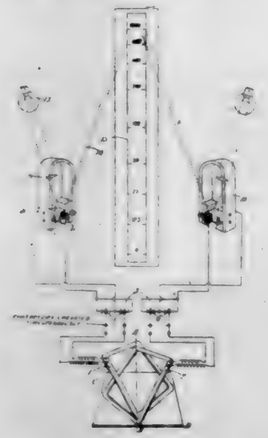
1,564,047. APPARATUS FOR MEASURING ELECTRICITY. HERBERT COOCH, South Farnborough, England, assignor to Vickers Limited, Westminister, England, a British Company. Original application filed Apr. 17, 1925, Serial No. 23,822. Divided and this application filed Oct. 21, 1925. Serial No. 63,823. 5 Claims. (Cl. 177—352.)



1. Navigational apparatus comprising in combination two coils in which alternating E. M. F. may be induced, said coils being symmetrically disposed with relation to a vertical plane situated fore-and-aft of the craft bearing said apparatus, said coils being also inclined to the horizontal plane and to each other, a frequency reducer connected to each of said coils and a measuring device connected to each of said frequency reducers, whereby the current induced in the said coils is reduced in frequency and indicated by the measuring device.

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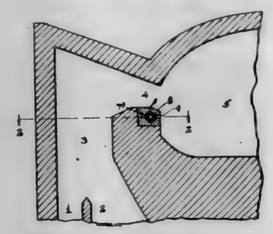
1,564,048. MEDICAMENT-DISPENSING CARTRIDGE. HARVEY S. COOK, Valparaiso, Ind., assignor to Cook Laboratories, Inc., Chicago, Ill., a Corporation of Delaware. Filed Mar. 2, 1922. Serial No. 540,627. 2 Claims. (Cl. 128—218.)

1. As an article of manufacture, a package for liquid medicaments constructed and arranged to be inserted in a hypodermic syringe; said package including a tube of transparent material and of uniform bore, so that its length is a function of its volume; said tube sealed at opposite ends by plugs, one of which is designed to be pushed by the syringe plunger to eject the medicament; a label adhered to the outerwall of said tube but leaving a longitudinally segment of the tube exposed so that the contents may be viewed; said label having a scale extending lengthwise thereof along one margin, the label being so arranged between the ends of the tube that its markings read in terms of doses or fractions thereof to be administered from the package.

1,564,049. OPEN-HEARTH FURNACE. CALEB DAVIES, Jr., Poland, Ohio. Filed Apr. 6, 1922. Serial No. 550,079. 20 Claims. (Cl. 263—15.)

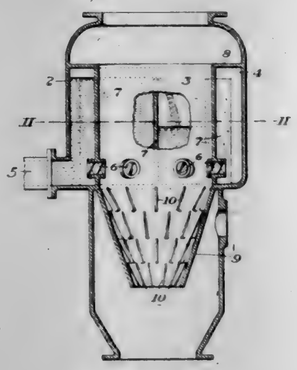


1. In a furnace of the character described, the combination of a hearth, an air port at the end thereof extending approximately entirely across said hearth, and a fuel supply duct formed and arranged to discharge the fuel beneath the stream of air from said air port and in a direction substantially parallel therewith, such fuel supply duct being of approximately the same transverse width as said air port.

1,564,050. METHOD OF TREATING RUBBER COMPOSITION. JOHN B. DICKSON, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Jan. 31, 1923. Serial No. 616,183. 5 Claims. (Cl. 18—53.)

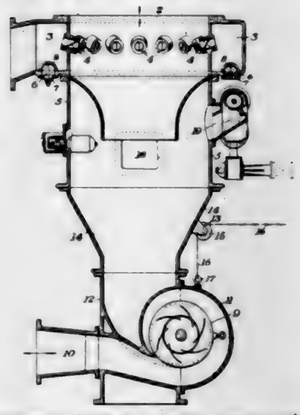
1. The method of treating a mass of rubber composition containing a vulcanizing agent which comprises applying to the surface thereof such small quantity of a vulcanization accelerator as to be effective upon the surface portion only of said mass and thereby effecting a relatively high degree of vulcanization at the surface of the mass.

1,564,051. HEATER FOR LIQUIDS. RAYMOND N. EHRHART, Pittsburgh, Pa., assignor to Elliott Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 14, 1920. Serial No. 396,277. 15 Claims. (Cl. 261—118.)



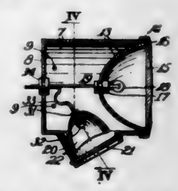
1. A liquid heater, comprising a mixing chamber, means for admitting steam thereto, a series of spray nozzles arranged to discharge into said chamber, and means for maintaining certain of said nozzles out of operation until a predetermined operation of the remaining nozzles has been insured, substantially as described.

1,564,052. CONDENSER. RAYMOND N. EHRHART, Edgewood, Pa., assignor to Elliott Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed Oct. 28, 1918, Serial No. 259,946. Divided and this application filed Nov. 30, 1923. Serial No. 677,867. 5 Claims. (Cl. 261—118.)



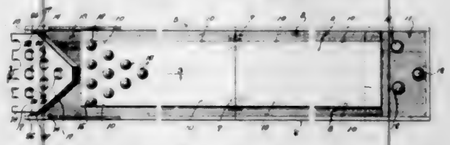
1. A condenser having a water pump casing section provided with a removable cover portion, and a lifting connection on the condenser for the removal of said cover portion, substantially as described.

1,564,053. COMBINATION MOTOR-VEHICLE LAMP. JOHN F. FARMER, Indianapolis, Ind. Filed May 27, 1925. Serial No. 33,087. 4 Claims. (Cl. 240—41.)



1. A combination motor-vehicle lamp including a main casing having a relatively angular frame on one side thereof, a main reflector supported in the forward portion of the main casing, and a parabolic side reflector arranged partially in the main casing and partially in the angular frame and being shiftable in the frame angularly thereto and bodily supported in place.

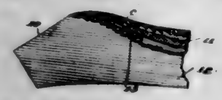
1,564,054. GAME. DANIEL FISHER, Milwaukee, Wis., assignor to The Aldan Co., a Copartnership, Milwaukee, Wis. Filed Aug. 29, 1924. Serial No. 734,906. 12 Claims. (Cl. 273—42.)



1. A game of the character described, comprising a support, a pin setting member, means connecting the pin setting member with the support whereby the same may be maintained in a substantially horizontal position as it is moved to and from the support, pin receiving pockets in the pin setting member adapted to receive therein pins to be positioned on the support, means for closing the pockets of the pin setting member, and means operable upon engagement with the support to move the pocket closing means free of the pockets.



1,564,055. COAT COLLAR AND METHOD OF PRODUCING AND APPLYING THE SAME. IRVING I. FRANKEL, Cincinnati, Ohio. Filed July 25, 1925. Serial No. 46,158. 9 Claims. (Cl. 2—98.)



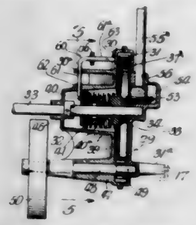
1. The method of applying collars to coats which consists in gathering the stand portion of the collar transversely of its length at spaced points in its length and maintaining said gathering therein prior to the application of the collar to the coat, and then securing the stand portion of the collar to the coat in the usual manner.

1,564,056. LEGGING. MORRIS FRIEDMAN and MEYER FRIEDMAN, New York, N. Y. Filed June 1, 1925. Serial No. 33,910. 1 Claim. (Cl. 36—2.)

As an article of manufacture, a legging of the character designated, the conjuctive edges of which are formed at their lower extremities with extension tips, to which tips the lower ends of hookless fastenings are attached, together with said hookless fastening means arranged to detachably connect the said conjunctive edges of the legging, substantially in the manner and for the purpose set forth.

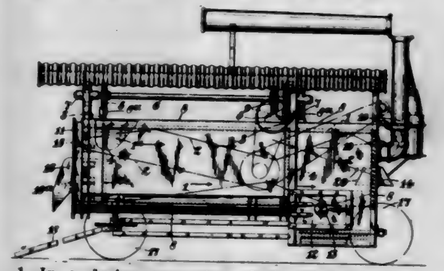
1,564,057. GEARING. WILLIAM H. GEORGE, Fairfield, Iowa, assignor to The Dexter Company, Fairfield, Iowa, a Corporation of Iowa. Filed June 1, 1922. Serial No. 565,059. 1 Claim. (Cl. 74—14.)

In a gearing, the combination of a flat shallow casing, having a centrally disposed hollow boss on one side and a second bearing boss of smaller diameter at its bottom side extending parallel to said first-named boss, a drive shaft bearing in said second-named boss and extending into said casing, a driven shaft extending parallel to said drive shaft and having bearing in said boss and extending into said casing, a large gear loose on said driven shaft and located in said casing, said gear having a hub extending into the first-named boss, a small pinion in said casing engaged with the said large gear and fixed on said drive shaft, a clutch member fixed to the driven shaft near the outer end of said first-named boss, a second clutch member between said fixed clutch member and said large gear, said second clutch member having a hub operatively connected to the hub of the large gear so as to rotate therewith but being capable of an endwise movement thereon, an expansion coil spring surrounding said hubs and urging the second clutch member into engagement with the first clutch member, the second clutch member being



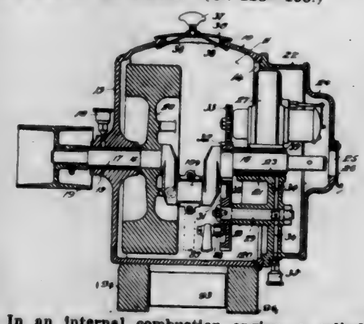
provided with an annular cam shoulder, and a radially disposed pin adapted to be projected into the path of the cam shoulder to disengage the second clutch member from the first clutch member.

1,564,058. ROTARY DRYING APPARATUS. SIDNEY SALTER GETTINGS and WALTER LIGHT BODMAN, Dorking, England, assignors to James Mitchell Thomas Johnston, London, England. Filed Sept. 27, 1924. Serial No. 740,256. 4 Claims. (Cl. 34—5.)



1. In a drying apparatus of the kind described, in combination, a heating-chamber, a rotatable drum having its axis substantially horizontal and situated within the heating-chamber, a driving shaft having its axis parallel to that of the drum and situated outside the heating-chamber, a plurality of driving wheels on said shaft, and a plurality of endless flexible driving and supporting members each extending around one of said wheels and the drum and through apertures in the wall of the heating-chamber.

1,564,059. GASOLINE ENGINE. MEYER J. GOLDBERG, Muskegon, Mich., assignor, by mesne assignments, to The Maximotor Company, Muskegon Heights, Mich., a Corporation of Michigan. Filed Apr. 2, 1920. Serial No. 370,843. 20 Claims. (Cl. 123—195.)



1. In an internal combustion engine, a cylinder and piston, a crank shaft, a fly wheel, a governor mechanism and gearing driven by the crank shaft to operate the

same and a magneto, in combination with a casing having a chamber in which said crank shaft is journaled, said chamber also enclosing all of said parts.

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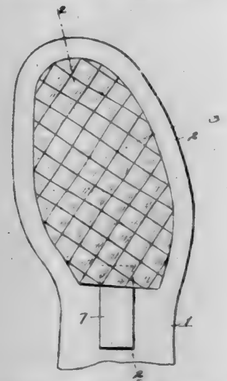
1,564,060. SOLE FOR BOOTS AND SHOES. JAMES E. GROSJEAN, Lima, Ohio. Filed Sept. 13, 1923. Serial No. 662,477. 5 Claims. (Cl. 36—32.)



1. A sole for boots and shoes comprising a tread composed of a layer of rubber having a thread stitched therethrough and exposed at the wear surface thereof, said rubber layer and thread being vulcanized together.

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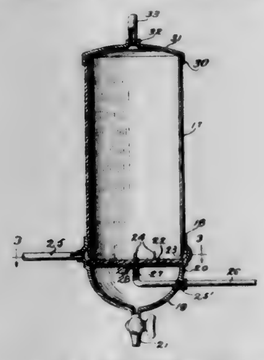
1,564,061. ATTACHMENT FOR MOTOR VEHICLES. GEORGE S. HALE, Tekoa, Wash. Filed May 2, 1925. Serial No. 27,558. 4 Claims. (Cl. 158—46.5.)



1. A device of the character described comprising an auxiliary tank, a filtering member arranged in said tank and dividing it into inlet and outlet compartments, an inlet pipe having one end connected with a main fuel supply tank, the opposite end of said inlet pipe extending within said inlet compartment, an outlet pipe connecting the outlet compartment with the carburetor of the vehicle, a valve carried by said filtering member and adapted to engage the end of said inlet pipe within the inlet compartment, said filtering member being slightly flexible to permit said valve to be unseated.

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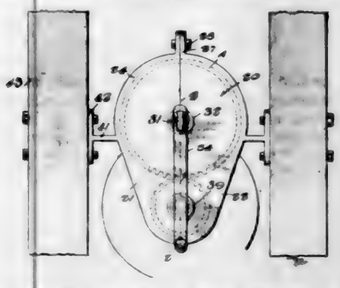
1,564,062. WELL WINDLASS. FRANKLIN C. HALL, Albertville, Ala. Filed May 28, 1925. Serial No. 33,548. 2 Claims. (Cl. 254—186.)

1. A well windlass comprising a drum, a drum shaft therefor extending beyond the ends of the drum and terminating in bearing pintles, and a bearing for one of said pintles, a gear casing including a pair of companion sections arranged to abut at the longitudinal center of the casing, means connecting the companion sections together, the meeting edges of the sections being provided with mating semi-circular upper and lower pairs of bearing notches forming bearing openings, the lowermost bearing openings receiving the other pintle of the drum shaft, an operating shaft rotatably mounted in the upper pair of bearing openings, the sections of the casing having semi-annular flanges surrounding the bearing openings defining bearing cups when the sections are in their



closed position, ball bearing races mounted in the cups for supporting the operating shaft and the last mentioned pintle of the drum shaft, the portion of the operating shaft and the portion of the last mentioned pintle extending into the casing being of a polygonal shape in cross section, a relatively large spur gear mounted upon the polygonal shaped portion of the operating shaft, and a relatively small spur gear meshing with the first mentioned spur gear, mounted upon the polygonal portion of the last mentioned pintle of the drum shaft, and an operating crank for the operating shaft.

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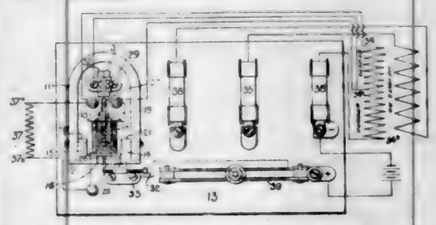
1,564,063. MECHANICAL RECTIFIER. WILLIAM R. HAMILTON, Montreal, Quebec, Canada, assignor to Dominion Messenger and Signal Company Limited, Toronto, Ontario, Canada, a Corporation of Canada. Filed July 18, 1923. Serial No. 652,428. 1 Claim. (Cl. 175—365.)



In a device of the character described, the combination of a U-shaped permanent magnet with a cast iron yoke which bridges the poles of said magnet, completely closing the magnetic circuit, said yoke being provided with a slot extending partially therethrough, a solenoid supported between the legs of the magnet and an armature passing through the solenoid and through the slot in the yoke.

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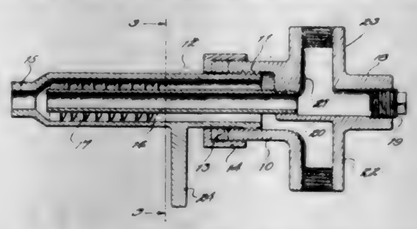
1,564,064. BURNER. ROBERT L. HANNAH, Waco, Tex., assignor of fifty-five per cent to Louey Migel, Waco, Tex. Filed Dec. 18, 1924. Serial No. 756,820. 1 Claim. (Cl. 158—75.)

A burner of the character described comprising a body portion including diametrically opposed fuel and steam inlet nipples adapted to support the burner for pivotal movement, an internal web separating said nipples, a nipple projecting from the body portion and interiorly and exteriorly threaded, a steam conveying tube threaded within the last mentioned nipple, a packing nut surrounding said tube and threaded on said nipple, a burner tip carried by the outer end of said tube, an oil tube arranged centrally within the steam tube and projecting beyond the inner end thereof for threaded association with said body portion above said web and communicating with one of the first mentioned nipples, a spiral web carried by said oil tube adjacent the other end thereof,



an additional nipple projecting from the body portion and disposed in axial alinement with said oil tube so that the latter can be conveniently cleaned from time to time, a removable plug normally closing the last mentioned nipple, and a handle carried by said steam tube, whereby the burner can be moved upon its pivots as described.

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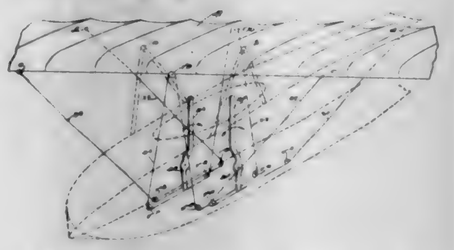
1,564,065. FLYING MACHINE. FRIEDRICH HARTH, Bamberg, Germany, assignor to Louis Harth, Chicago, Ill. Filed July 26, 1922. Serial No. 577,610. 10 Claims. (Cl. 44—29.)



1. In aircraft for utilizing air currents for motive power, a fuselage, an aerofoil, levers, and means connecting said levers and aerofoil for changing the form of the aerofoil by warping and inclining it to an equal degree on each side of the fuselage and at a different degree at the transverse center of the aerofoil.

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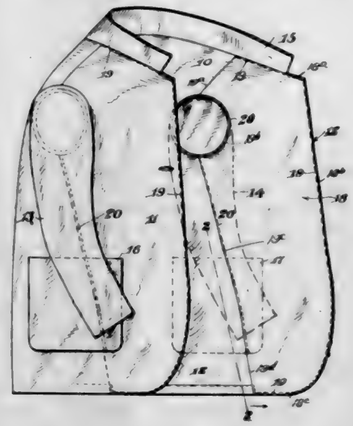
1,564,066. COAT CONSTRUCTION. HARRY S. HASPEL, WILLIAM HASPEL, and JOSEPH HASPEL, New Orleans, La. Filed Oct. 4, 1924. Serial No. 741,576. 1 Claim. (Cl. 2—97.)

In a coat a facing for and of less width than each front portion of the coat body and further having its top, front and bottom edges secured to said front portion, said facing having its inner edge formed with semi-circular, rearwardly inclined and forwardly inclined portions, said semi-circular portion disposed around the forward side of the armhole of the coat and having its ends positioned at diametrically opposite points at the vertical diameter of such armhole, said rearwardly disposed inclined portion extending from said top edge and terminating at its lower end in the upper end of said semi-circular portion, said forwardly inclined portion extending from the lower edge of said semi-circular portion to said bottom edge and having a part thereof opposing a pocket of the coat at a point between the vertical median of the pocket and its forward side, and a row of stitching extending throughout said semi-circular portion and the said forwardly inclined portion from the top thereof to the lower terminus of that part thereof which opposes the pocket for securing the facing to the coat front, said stitching free of the rearwardly inclined portion and



that part of the forwardly inclined portion below the bottom of the pocket and concealed by a sleeve of the coat when hanging downwardly and further by a pocket of the coat.

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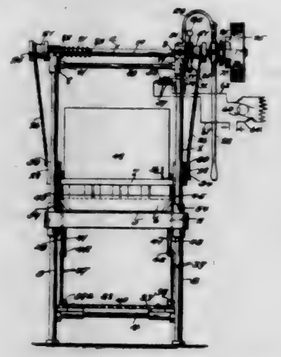
1,564,067. BRICKMAKING MACHINE. BENJAMIN F. HAYDEN, Springfield, Mo., assignor to Haydenite Brick and Machinery Company, a Corporation of Missouri. Filed Oct. 12, 1923. Serial No. 668,203. 15 Claims. (Cl. 25—41.)



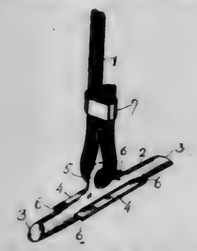
1. In a brick making machine, a frame including a platform and a hopper, a pallet supported on the platform, a mold resting upon the pallet and provided with brick molding spaces, a gravity actuated tamper having members to enter said spaces, means for raising the mold and the tamper a distance slightly greater than the height of the bricks, whereby the pallet with the bricks thereon may be removed, means for raising the tamper to a position equal to the height of the hopper to permit the latter to pass thereunder, and automatic means for stopping the raising means to limit the tamper to a position a maximum distance above the mold.

14. The combination with a brick mold for brick making machines, said mold provided with a plurality of H-shaped compartments open at their upper and lower ends of a tamper having correspondingly shaped tampering members to enter said compartments.

1,564,068. DIRECTION INDICATOR FOR MOTOR VEHICLES. WILLIAM HENRY HIGGASON, El Cajon, Calif. Filed Mar. 27, 1924. Serial No. 702,389. 1 Claim. (Cl. 116—53.)

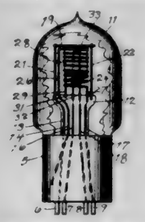
A signal of the character described, comprising a vertical frame; dual signal arms pivotally mounted in said frame adapted to be swung laterally downwardly to horizontal position for signalling purposes; means for normally retaining said signal arms in vertical position within said frame; a lateral extension on said frame; a rotatable pulley supported by said extension; a hand wheel for operating said pulley; and a cable trained about said pulley connected to the lower ends of said signal arms for lowering either of said signal arms at will to horizontal signalling position without lowering the associated signalling arm.

1,564,069. LIGHTNING-ROD ANCHOR. AMASA G. HOOVENS, Goshen, Ind. Filed Apr. 10, 1922. Serial No. 551,170. 2 Claims. (Cl. 189—92.)



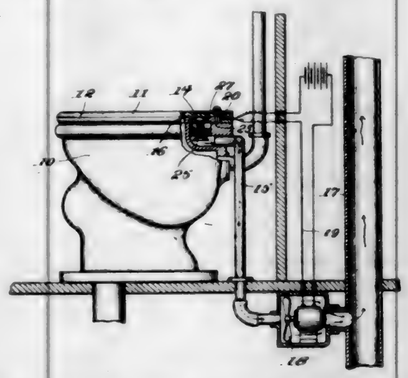
1. An anchor for lightning rod and other cables, consisting of an elongated laterally extended straight body having a central lateral eye extension for cable attachment and twin straight end portions in line with said body and having oppositely beveled ends each beveled upon one side only and either of which acts as a fulcrum engagaing the ground wherein the anchor is imbedded to turn the anchor to right angular position relative to the cable, either of said straight end portions being adapted for engagement with a ground imbedding tool and being also adapted to penetrate the ground straight downwardly when pressure is exerted thereon by said tool, the anchor being reversible when attached to the cable to present either end thereof uppermost.

1,564,070. RADIO VACUUM TUBE. HENRY K. HUPPERT, San Francisco, Calif. Filed Jan. 19, 1923. Serial No. 613,708. 2 Claims. (Cl. 250—27.)



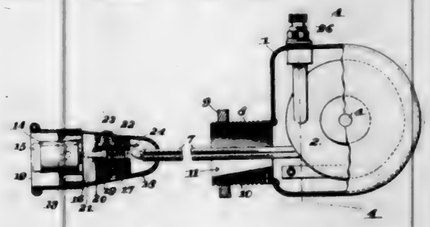
1. In a device of the character described, a stem, a plate supported above said stem at a point remote therefrom, conductors rising from said stem, a filament arranged between said conductors at their upper ends thereof, an extension depending from the plate and arranged in the path of the electronic emissions from the filament, a vertically mounted cylindrical electrode shield surrounding said filament, a solenoid surrounding said shield, said shield being adapted to prevent electronic action between the filament and solenoid, and a bulb secured to said stem and surrounding the above mentioned elements for the purpose of providing a vacuum chamber therefor.

1,564,071. VENTILATING CLOSET. CHARLES E. JACKSON, Minneapolis, Kans. Filed Dec. 15, 1923. Serial No. 680,976. 1 Claim. (Cl. 4—213.)



The combination with a toilet bowl provided with a compartment in one side which has communication with the interior of the bowl, a ventilating pipe leading from one end of the compartment, a spider arranged in the compartment provided with a valve seat, a valve adapted to normally engage the seat, a knob on the upper end of the valve and adapted to be engaged by the bowl seat upon lowering the same whereby to move the valve to open position, and a spring engaging the spider and knob for normally holding the valve seated.

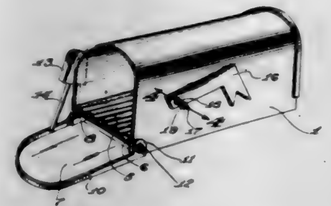
1,564,072. CIGAR LIGHTER. JAMES MADISON JACKSON, Parkersburg, W. Va. Filed Feb. 14, 1925. Serial No. 9,217. 2 Claims. (Cl. 219—32.)



2. A device of the character described comprising an element to be heated, means by which said element is carried including a metallic thimble with which one terminal of said element is in electrical connection, a metallic extension upon the thimble having an opening, an electrical circuit including a cable, means by which one of the wires of the cable is connected to the remaining terminal of said element, an insulating plug situated in said extension, a spring contact guided in said insulating plug at which contact the other wire of said cable is connected, said spring contact entering said opening and completing the electrical circuit through said element and the wall of the opening, spring tension means by which the cable is wound, and means including an insulating bushing by which said extension is receivable, the engagement of said spring contact with the wall of said bushing pressing the contact out of engagement with the wall of said opening and thereby opening the circuit of said element.

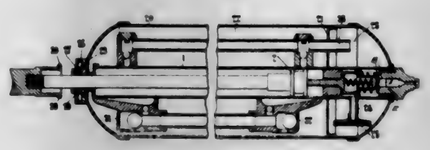


1,564,073. MAIL BOX. OSVAL G. JOHNSON, Irene, S. Dak. Filed July 30, 1923. Serial No. 654,696. 1 Claim. (Cl. 232—17.)



A mail box including an elongated body member, an end piece for closing one end of the body having its top and side edges bent over onto the walls of the body, a corrugated bottom arranged within the body and having its longitudinal edges bent downwardly and abutting the inner surface of the walls of the body, said end piece having its lower end bent inwardly at right angles to form a separate support for one end of the corrugated body, a movable door for closing the open end of the body, transverse ears on the said door, a pivot rod extending through the said walls of the body, through the flanges on the bottom and through the ears on said door for supporting the forward end of the bottom and hingedly mounting the door, one end of said rod being extended at right angles and a weight carried by the angular end of the rod and having connection with the door.

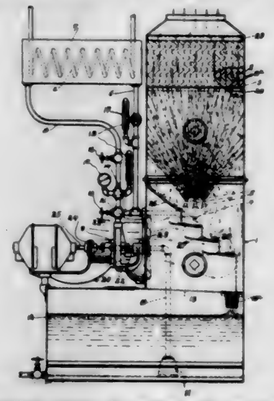
1,564,074. SYRINGE. LEONARD MARCUS JONES, Dulwich, England. Filed Aug. 1, 1923. Serial No. 655,070. 5 Claims. (Cl. 299—98.)



1. A syringe, comprising a casing, a partition extending transverse the casing and dividing the casing into a liquid chamber and an air cushion chamber, each of the full sectional area of the casing, a housing extending lengthwise the casing and through both chambers, a piston reciprocal in the housing, a nozzle carried by the housing, and means operable in the housing to control communication between the air chamber and said nozzle in accordance with the position of the piston.

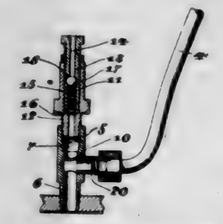
1,564,075. WATER RECOOLER. J HARRY LAKIN, Pittsburgh, Pa., assignor to The Lakin Manufacturing Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Jan. 30, 1925. Serial No. 5,817. 6 Claims. (Cl. 261—114.)

1. In a water cooling apparatus, a vertically disposed casing, means for spraying water upwardly within the upper portion of said casing, said casing being provided with an outlet opening at its upper end, a plurality of



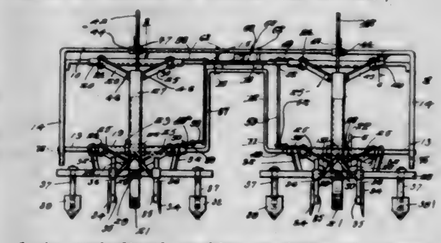
plates extending across the casing and arranged in stepped relation, and means for supplying air under pressure to the casing beneath said plates.

1,564,076. COMBINED VACUUM-TUBE ATTACHMENT AND AIR-INLET DEVICE FOR GAS ENGINES. BENJAMIN F. LARE, Philadelphia, Pa.; Matilda A. Lare executrix of said Benjamin F. Lare, deceased. Filed Mar. 7, 1925. Serial No. 13,781. 4 Claims. (Cl. 123—119.)



1. A combined vacuum tube attachment and air inlet device for gas engines comprising a tubular plug, one end of which is adapted to be secured in an opening leading to the interior of a gas engine, the opposite end of which plug is open and which is provided with an opening in its side, an air inlet device adapted to be secured in either of said openings, and a coupling for a vacuum tube having a nipple which is adapted to be secured in either of said openings.

1,564,077. PLOWING OR CULTIVATING MACHINE. FREDERICK H. LIESS, Watson, Mo. Filed Aug. 15, 1922. Serial No. 581,972. 5 Claims. (Cl. 97—237.)



1. An agricultural machine consisting of a beam, a second beam, an arch on one of said beams directly under the other beam, a draft tongue, means to secure said beams and tongue together in superposed relation

at said arch, earth-working means supported and laterally adjustable on said beams on opposite sides of and relatively to said arch, and means operable to impart adjusting movement to said beams.

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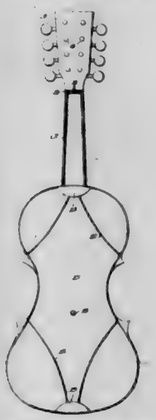
1,564,078. VIOLIN. CHARLES C. LOCK, Hannibal, Mo. Filed Jan. 2, 1923. Serial No. 610,254. 2 Claims. (Cl. 84—294.)



2. A violin of the character described comprising a hollow body, blocks arranged therein and secured at each end thereof, curved strips diverging from said blocks and having their opposite ends secured to the side walls of the body, and said strips being spaced intermediate their ends from the top and bottom of the body.

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1,564,079. HAIR NET. JOHANNA LORBIECKI, Hatley, Wis. Filed Feb. 28, 1925. Serial No. 12,378. 2 Claims. (Cl. 132—49.)

1. A hair net comprising a mesh-like body portion formed of a pair of oppositely extending sets of spaced threads connected together, the threads of one set at spaced intervals having portions of their length surrounding and connected to the threads of the other set, the connected portions of the threads of one set being alternately disposed with respect to the connected portions of an adjacent set, hollow ornamenting elements disposed throughout said body portion and each having its lower face at each end terminal portion thereof seating directly upon a thread of each of said sets in proximity to a connected portion of the thread and further having its lower face centrally thereof seated directly upon said connected portion of such thread, and a loop-shaped securing member having a portion of the length thereof extending through each element and its remaining portion depending at each side of a connected portion of a thread and further extending under such connected portion for connecting the element to said body portion.

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1,564,080. SAFETY ATTACHMENT TO GRAIN ELEVATORS. ARVID LUNDMAN, Winnipeg, Manitoba, Canada. Filed Dec. 20, 1924. Serial No. 757,165. 1 Claim. (Cl. 214—49.)

The combination with a tilting platform, a pivoted dump door associated therewith, a rotatably mounted cross shaft, latches secured to the shaft and normally locking the tilting platform against movement and means for rotating the shaft to release the latches and unlock the platform, of an arm secured to the shaft and moving with the latches, a suitably supported locking pin carried

by the arm and a locking bar secured to the underside of the door and engaging with the pin and preventing movement of the latches upon the door being closed, said locking bar being adapted to pass out of the path of travel of the pin upon the dump door being opened.

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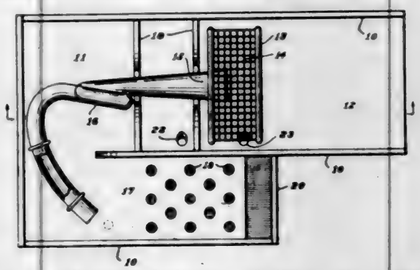
1,564,081. GOLF-PRACTICING DEVICE. ROBERT A. LYCHOU, Chester, Pa. Filed July 7, 1923. Serial No. 650,073. 3 Claims. (Cl. 273—35.)



1. A golf practicing device comprising a net, a tubular member supported with one end in said net and formed with a loop in rear of said net, and means for supporting said tubular member.

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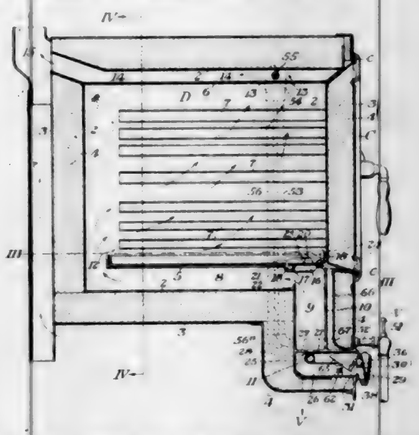
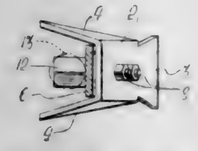
1,564,082. OVEN. HOWARD LYON, Gloucester, N. J., assignor to Welsbach Company, Gloucester, N. J., a Corporation of New Jersey. Filed Mar. 5, 1924. Serial No. 696,995. 25 Claims. (Cl. 126—39.)



1. In an oven, a yellow flame burner under the oven chamber and substantially coextensive with one dimension thereof, and a starting stack for the products of combustion extending upwardly from said burner throughout substantially the full length thereof and of less cross sectional area than the cross sectional area of said chamber, substantially as described.



1,564,083. GRAIN-DRILL SHARE. WILLIAM LYONS, Rosebery East, Victoria, Australia. Filed July 17, 1924. Serial No. 726,600. 1 Claim. (Cl. 111—86.)



A detachable share for a grain drill tube and its connected tine, comprising a share having rearwardly extending and outwardly divergent side walls, and means for securing the share to the tine, the share extending below the lower edge of the tine with its side edges downwardly divergent.

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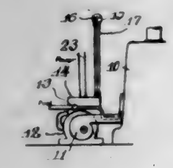
1,564,084. AUTOMATIC CONTROLLING MEANS FOR OIL BURNERS AND THE LIKE. JUDSON MCFELL, Chicago, Ill. Filed Jan. 7, 1925. Serial No. 1,132. 17 Claims. (Cl. 236—78.)



17. In a system of the character described, the combination with a blower, a main motor therefor, and a fuel-supply valve, of thermostatic means for initiating the starting and stopping of the main motor, and control-means comprising a main motor switch, automatic means responsive to thermostatic operation for closing said main switch and opening said fuel valve, and automatic means for restoring said main switch to open position and said fuel valve to closed position upon subsequent de-energization of the main motor.

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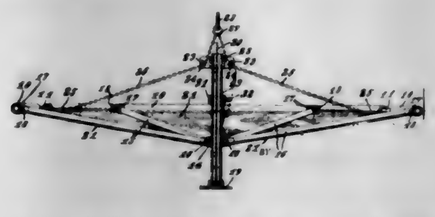
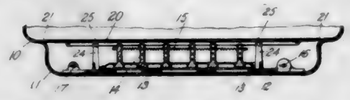
1,564,085. ENSILAGE PROTECTOR. ALLIE MCMILLAN, Embarrass, Wis. Filed Mar. 17, 1925. Serial No. 16,259. 4 Claims. (Cl. 217—64.)



2. In a device of the class described, a rim of tubular segmental sections with their terminals movable toward and away from each other, guides slidably fitted in the ends adjacent to each other of the sections for closing the gaps therebetween, a flexible sheet connected to said segmental sections, a tubular post having a laterally directed foot portion, a runner member slidable on said post, a plurality of ribs pivoted at the ends respectively to said runner and to said rim sections, a pull member attached to said foot portion and extending through said tubular post, and means for adjusting said rim sections vertically to expand and contract the same.

1,564,086. ELECTRIC STOVE OVEN. ROBERT H. MACINNES, Hamilton, Ontario, Canada. Filed Sept. 12, 1924. Serial No. 737,316. 2 Claims. (Cl. 219—35.)



1. In an electrically heated oven having a recess in the flooring thereof and an electric heater element or burner confined within the recess, a plurality of pillars on the heater element, a plurality of rails spanning the heater element and connecting said pillars in pairs, and a plate or cover closing said recess above the heater element and supported upon said pillars.

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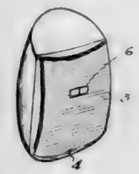
1,564,087. REPLACEABLE TOOTH. WALTER L. MASON, Red Bank, N. J. Filed Sept. 29, 1924. Serial No. 740,616. 2 Claims. (Cl. 32—9.)



1. A replaceable tooth having a split pin imbedded in the body of the tooth and having its free ends projecting from the lingual surface thereof, a back plate disposed against the lingual surface and forming a finished section of the tooth, said back plate having an aperture therein and a recess on its rear face, the free ends of the pin projecting through the aperture and being bent against the rear face of the plate and seated in the recess, said recess adapted to receive a cement for fastening the bent ends in said recess and to provide a smooth surface on the back plate.

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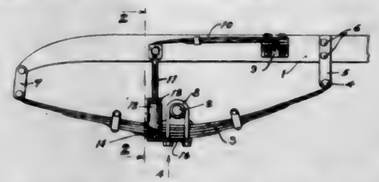
1,564,088. SHOCK ABSORBER. EDWARD MATTHEWS, Denver, Colo., assignor of one-half to William P. Tichenor, Denver, Colo. Filed June 25, 1924. Serial No. 722,268. 5 Claims. (Cl. 267—28.)



1. In combination, an automobile chassis frame member, a spring operatively associated therewith, a supporting axle secured to the spring so as to be adapted to move towards and away from the frame member, a second spring secured to the frame member so as to have a part thereof stationary with respect to the frame and another part thereof adapted to be moved relative to the frame, a third spring secured to the axle in such a manner that a portion thereof is stationary with respect to the axle while the remainder of the spring is adapted to move relative to the axle and an adjustable link for connecting the movable portions of the last named springs whereby the first mentioned spring will resist movement of the frame member towards the axle, while the other two springs tend to resist the movement of the frame member away from the axle, the second and third springs being of different strength.

1,564,089. ARCHERY DEVICE. EDWIN F. MAXWELL, Berkeley, Calif. Filed Feb. 2, 1925. Serial No. 6,403. 6 Claims. (Cl. 124—7.)

5. In an archery device, a bow including a yoke having oppositely extending members spaced apart at their inner ends to define a notch open at one side to receive an arrow, one of said members being shaped to form a handle, spring arms fixed to said members, and a bow string connected to the free ends of said arms, said notch being adapted to accommodate an arrow lying throughout its length in a plane with said string.

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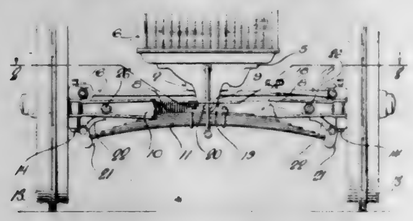
1,564,090. AUTOMOTIVE VEHICLE. THOMAS W. MEIKLEJOHN, Fond du Lac, Wis. Filed May 11, 1925. Serial No. 29,454. 4 Claims. (Cl. 280—112.)



1. In a tractor, the combination with its frame and front supporting axle, of means for supporting the frame from the axle, comprising a pair of brace rods connected at their forward ends with the axle adjacent its ends and converging rearwardly, means connecting the rear ends of the brace rods with the frame, a spring, means connecting the medial portion of the spring with the tractor frame, spring perches carried by the forward ends of the brace rods, and shackle members connecting the ends of the spring with said perches.

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1,564,091. SULFONATED OXY-DIANTHRAQUINONYLAMINE DYESTUFFS AND PROCESS OF MAKING THE SAME. WALTER MIEG, Vohwinkel, and HEINRICH RAEDER, Leverkusen, near Cologne, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 17, 1925. Serial No. 50,869. 6 Claims. (Cl. 260—28.)

6. As new products 1—1'-dianthraqui-nonyloxazine sulfonic acids substantially free from straight dianthraquinonylamine, sulfonic acids, which are brownish-red, crystalline powders, soluble in hot water, from which solution caustic soda precipitates difficultly soluble, red sodium salts; soluble in concentrated sulfuric acid with a green color, having an olive tinge and which is not altered by the addition of formaldehyde, and dyeing wool from an acid bath brownish-violet shades, the same shades being obtained by afterchroming or on chrome mordanted wool.

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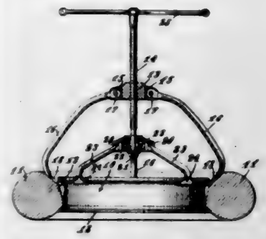
1,564,092. TIRE CHANGER. MATTHIAS MILLER, Gainsville, Fla. Filed Dec. 26, 1924. Serial No. 758,245. 4 Claims. (Cl. 157—6.)



1. A tire changer, comprising a threaded member, a nut device engaging said threaded member, a plurality of arms swingingly coupled to said nut device and each provided with a gripping element at the free end adapted to engage a wheel tire, a sleeve device in which said threaded member is rotative, and a plurality of arms swingingly coupled to said sleeve and each formed with a terminal hook at the free end adapted to engage over the adjacent clincher flange of a wheel rim.

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1,564,093. METHOD OF MAKING ARSENATES. THOMAS AUSTIN MITCHELL, Ridgewood, N. J., and KEBB TOABE, New York, N. Y. Filed July 21, 1922. Serial No. 576,627. 7 Claims. (Cl. 23—54.)

1. The method of forming a metal arsenate comprising the steps of oxidizing arsenic trioxid to arsenic acid in the presence of a concentrated solution of arsenic acid and simultaneously adding a metal element of the desired arsenate and precipitating the metal arsenate by reaction with the arsenic acid, and regulating the rates of forming the arsenic acid and of precipitating the metal arsenate so as to maintain a substantially uniform and high concentration of the arsenic acid.

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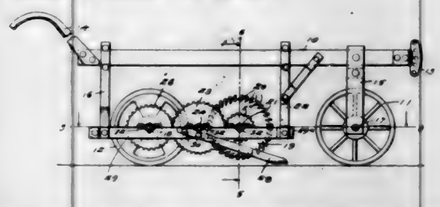
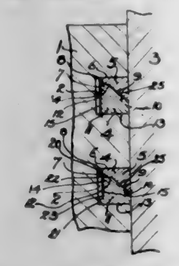
1,564,094. VINE CLIPPER OR CUTTER. WILLIAM A. MOATES, Jasper, Fla. Filed Apr. 4, 1925. Serial No. 20,709. 2 Claims. (Cl. 55—64.)



1. A device of the class described having a beam, a frame below and supported from said beam, said frame being centered with respect to the beam, a ground wheel at the front of the beam, a second ground wheel, an axle carrying the second ground wheel and journaled on said frame, a gear member turnable with said wheel and axle, a cutter adjacent the forward end of the frame, a shaft journaling said cutter on said frame, means to drive the cutter shaft from said gear, and a U-shaped lifting element fastened to said frame and in the bifurcation of which the cutting member is disposed.



1,564,095. PISTON RING. EDWARD S. MOBERLEY, Detriot, Mich. Filed Aug. 4, 1924. Serial No. 730,007. 2 Claims. (Cl. 74—109.)



1. A piston ring consisting of two split sections of equal thickness and arranged laterally to each other, each section having an outer side at right angles to its outer and inner circumferences, and an inner side bevelled and extending from one circumference and terminating in a portion contiguous to its other circumference substantially parallel to its outer side, thereby forming a stop, said stops and said bevelled sides being adapted to contact with each other, in combination with a multi-sided spring arranged within the inner circumference of and exerting an outward pressure on both of said ring sections, and an annular oil groove in the bevelled face of one of the ring sections.

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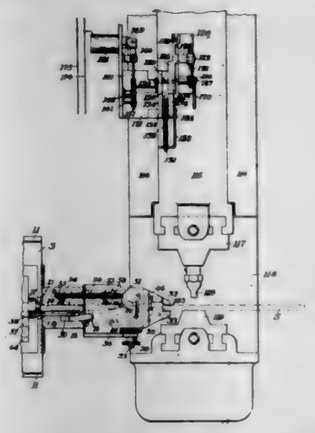
1,564,096. SPACING MECHANISM. JAMES A. MOORE, Rochester, and JAMES S. CONLEY, Beaver, Pa. Filed July 29, 1924. Serial 728,894. 15 Claims. (Cl. 164—117.)



1. Spacing mechanism, comprising a movable carriage, gripper means carried thereby for gripping the work to be operated upon, electromagnetic means for operating said gripper means, and automatic means acting independently of the work being gripped for locking said gripper means in closed position, substantially as described.

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1,564,097. CURTAIN FASTENER. CONNIE W. MORRIS, Fremont, N. C. Filed Jan. 15, 1925. Serial No. 2,611. 1 Claim. (Cl. 24—225.)

A curtain fastening device comprising a guide bracket, said bracket including a base having openings therein, spaced ears having guide openings therein, an attaching plate, tongues extending from said attaching plate and adapted to be passed through the openings in the base of the guide bracket and bent against the face of the base, an attaching member slidable through the guide openings

of the spaced ears and means for yieldingly resisting sliding movement of the attaching member in one direction.

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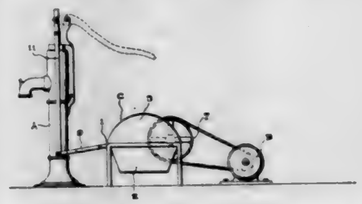
1,564,098. PUMP JACK. JACOB MORTENSEN, Moorhead, Iowa. Filed Jan. 20, 1923. Serial No. 613,988. 1 Claim. (Cl. 74—14.)



A pump jack, comprising a rectangular shaped frame horizontally arranged, legs on the frame, a crank case depending from the frame, a crank shaft having its ends journaled in the frame, a power shaft journaled in the frame with one end projecting beyond the frame, a pulley on said projecting end, gears connecting the shafts together, a pitman on the crank of the crank shaft, a lever forked at each end and pivoted to one end of the frame, the inner forked end being connected with the pitman and its outer end being adapted to be connected with a pump and a cover connected with the top of the frame.

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1,564,099. CLOSURE FOR CONTAINERS. CHARLES M. MORTON, Buffalo, N. Y. Filed Feb. 9, 1923. Serial No. 618,106. 1 Claim. (Cl. 215—64.)

A container comprising a body having its neck provided on opposite sides with integral grooves the upper and lower sides of which are inclined, and a cap engaging with the top of said neck and provided on opposite sides of its periphery with downwardly extending arms arranged on opposite sides of the neck and provided at their lower ends with inwardly projecting lugs which engage with the inclined sides of said grooves, said cap, arms and lugs being formed integrally of the same material and the upper and lower sides of said lugs being inclined at the same angle as the upper and lower sides of said grooves, and the upper end of each of said grooves having an enlargement of sector-shape, one radial side of said enlargement being in line with the bottom of the respective groove and forming a continuation thereof, the other radial side being upright, and the arc of said enlargement connecting the top of said groove and the top of said upright side and curved about an axis which is arranged at the junction between the lower

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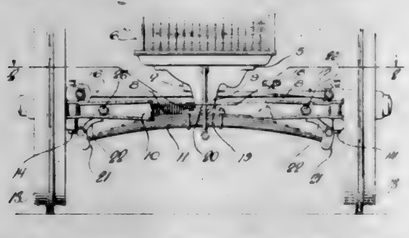

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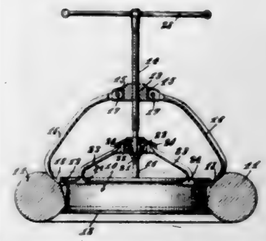

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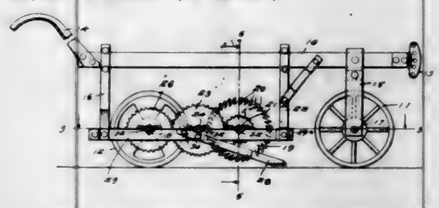

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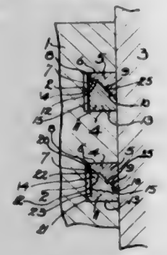

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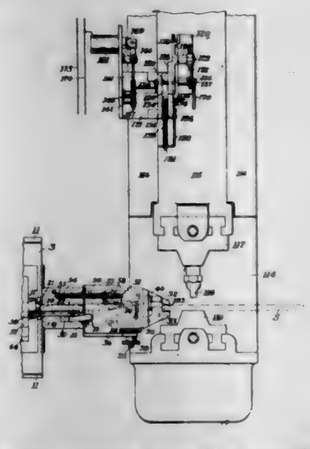

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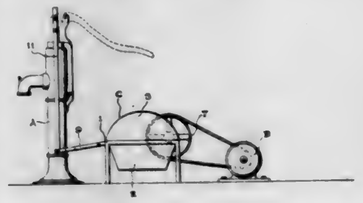

A pump jack, comprising a rectangular shaped frame horizontally arranged, legs on the frame, a crank case depending from the frame, a crank shaft having its ends journaled in the frame, a power shaft journaled in the frame with one end projecting beyond the frame, a pulley on said projecting end, gears connecting the shafts together, a pitman on the crank of the crank shaft, a lever forked at each end and pivoted to one end of the frame, the inner forked end being connected with the pitman and its outer end being adapted to be connected with a pump and a cover connected with the top of the frame.

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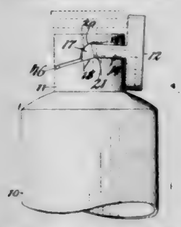
A container comprising a body having its neck provided on opposite sides with integral grooves the upper and lower sides of which are inclined, and a cap engaging with the top of said neck and provided on opposite sides of its periphery with downwardly extending arms arranged on opposite sides of the neck and provided at their lower ends with inwardly projecting lugs which engage with the inclined sides of said grooves, said cap, arms and lugs being formed integrally of the same material and the upper and lower sides of said lugs being inclined at the same angle as the upper and lower sides of said grooves, and the upper end of each of said grooves having an enlargement of sector-shape, one radial side of said enlargement being in line with the bottom of the respective groove and forming a continuation thereof, the other radial side being upright, and the arc of said enlargement connecting the top of said groove and the top of said upright side and curved about an axis which is arranged at the junction between the lower

end of said upright radial side and the radial side which forms the extension of the bottom of the respective groove; and said enlargement having a radius substantially equal to the width of the respective lug arranged therein and said lugs being adapted to fulcrum at the junctions between said radial sides of said enlargements.



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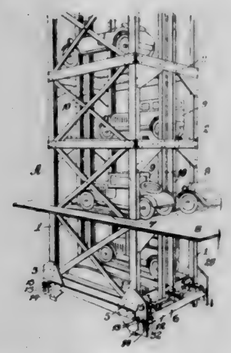
1,564,100. AUTOMOBILE PARKING MACHINE. JAMES ERNEST MORTON, West Lafayette, Ind., assignor of one-half to James H. McVeety, Memphis, Tenn. Filed July 9, 1925. Serial No. 42,527. 5 Claims. (Cl. 214—16.)



1. An automobile parking machine, including a skeleton tower, a plurality of endless chains at two sides of the tower, two columns of car receiving platforms mounted on said chains, means permitting the platforms to move laterally at the upper and lower ends of the tower, a floor through which the tower projects and from which cars may be driven onto the platform, and a bridge in the tower located at the floor level between the two columns of the platform.

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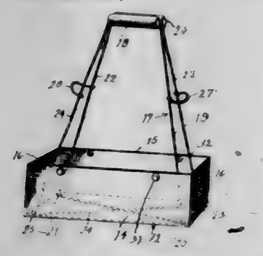
1,564,101. BAG HOLDER. TADAO NAKAMURA, Los Angeles, Calif. Filed June 18, 1925. Serial No. 38,059. 4 Claims. (Cl. 224—45.)



1. In a bag holder, the combination with a rigid and rectangular base member, of fabric elements forming flexible and collapsible side and end walls extending upwardly from the base, cord elements forming loops extending upwardly from the base member and within the limits of the fabric elements and capable of extending to the top of a bag including the bag handles, a rigid handle secured to one of said loops at its extremity and having a longitudinal groove for the reception of the remaining loop and the bag handles, flexible brace strips connecting said loops intermediate the handle and base member, and snap fasteners on the fabric elements to secure the same in folded and collapsed position, the said loops and attached handle being enclosed by the fabric elements in collapsed position.

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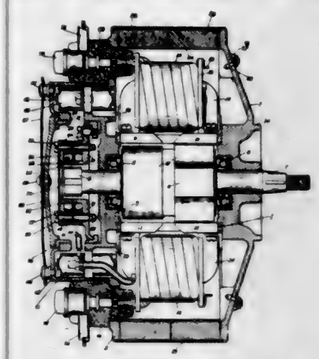
1,564,102. TWO-SPARK MAGNETO. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed May 19, 1925. Serial No. 31,263. 16 Claims. (Cl. 123—149.)



1. A two spark magneto comprising; two independent coils with associated cores and pole pieces, two independent sources of magnetic flux, a single rotor structure carrying flux directing members, operable to direct magnet flux simultaneously through said coil cores and a separate circuit breaker operated by said rotor structure for controlling each coil.

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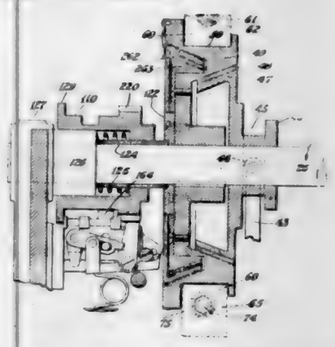
1,564,103. STOPPING AND STARTING MECHANISM FOR SHOE STITCHING OR OTHER MACHINES. JOHN ROGER OLIVER, Medfield, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed Apr. 30, 1925. Serial No. 26,948. 11 Claims. (Cl. 192—146.)



7. In a high speed power driven machine, the combination, with a shaft thereof, of stop means operative after disconnection of power to bring the shaft to rest without shock in an indeterminate position, and slow power means coming into action after such indeterminate stoppage for restarting and rotating the shaft slowly to a predetermined final position, comprising a drum loosely surrounding the shaft and slidable thereon, connections rotating said drum at low speed, a plurality of clutch dogs on said drum, and a clutch member on the shaft engageable by any one of the clutch dogs.



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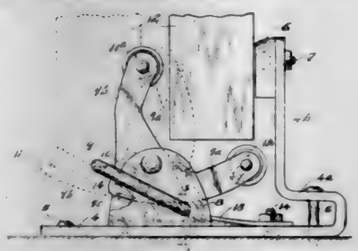
1,564,104. DOOR-HOLDING DEVICE. EMIL OLSON, South Haven, Minn. Filed Mar. 9, 1925. Serial No. 14,000. 7 Claims. (Cl. 292—216.)



1. A door holding means comprising a stop adapted to be contacted by the door, a spring-pressed bell crank member pivoted on a horizontal axis substantially parallel to the plane of the door when the same is adjacent said stop, said member being swingable to position with the arm remote from said stop below said door and the arm adjacent said stop upstanding in position to be engaged by said door, said member being adapted to be swung by engagement of said door to swing said arm remote from said door in upstanding position at the side of said door when the same is adjacent said stop whereby said door is held between said latter arm and said stop and a securing means holding said member in said latter position.

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1,564,105. SAW. ALBERT F. OUELLET, New York, N. Y. Filed May 19, 1925. Serial No. 31,358. 3 Claims. (Cl. 145—31.)

1. A saw construction, which comprises a piece of metal having one end bent over to form a handle, the end of the handle portion lying adjacent the main body portion of said piece, and a saw blade adapted to be received on the main body portion, the teeth of the saw blade near one end thereof adapted to be disposed in latched engagement with the end of the handle to hold the saw blade on the body portion.

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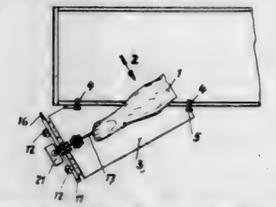
1,564,106. STRETCHING APPARATUS FOR TREATING ARM AND LEG FRACTURES. OTTO PATESCHKE, Sondershausen, Germany. Filed Feb. 7, 1925. Serial No. 7,602. 3 Claims. (Cl. 128—84.)



1. A stretching apparatus for treating arm and leg fractures, comprising a supporting-board adapted to be detachably fastened laterally of a bedstead, and means on said board for stretching the injured arm or leg.

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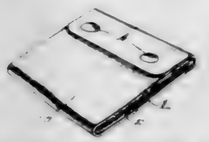
1,564,107. BRUSH. NEAL W. PLOOSTER, Prescott, Ariz. Filed Mar. 30, 1925. Serial No. 19,492. 1 Claim. (Cl. 15—227.)



A shoe polisher comprising a flexible backing, a pad secured to one face of said backing adjacent one end thereof, said backing being of a length to permit of the same being folded entirely around the pad to enclose the said pad or to be looped upon itself over the pad to provide a hand hold, and co-operative means carried by the ends of the backing for detachably retaining the ends of the backing in either of said positions.

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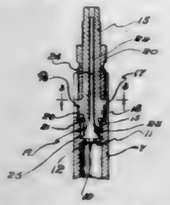
1,564,108. TIRE VALVE. JOSEPH PLUTO, Pontiac, Mich. Filed May 15, 1925. Serial No. 30,634. 3 Claims. (Cl. 152—12.)



1. A valve of the class described, comprising a stem; an interior abutment mounted in said stem; a valve head adapted for engagement with said abutment; a valve seat bearing member, adapted for loose positioning in said stem; and means for moving said valve seat bearing member relatively to said valve head for forcing said valve head while in engagement with said abutment into close engagement with said seat; and means for sealing the interior of the lower portion of said valve stem from the exterior of said valve seat bearing member substantially simultaneously with the close engagement of said head with said seat.

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1,564,109. POST BASE. LÉON PONSOLLE, Angers, France. Filed Aug. 12, 1921. Serial No. 491,816. 2 Claims. (Cl. 72—84.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. A foot for posts or poles comprising a tubular sheath formed intermediate its length with a tapering internal wall and with a lateral air opening above the

level of the lower end of the tapering portion of the inner wall of the sheath, said sheath being adapted to receive the lower end portion of a post or pole, said post or pole resting at its lower end upon the tapering inner wall of the sheath above said lateral opening for

air, and means between said post or pole and said sheath for spacing said post or pole from the sheath to provide a continuous air passage extending within the sheath from the upper end of the latter to said lateral air opening.

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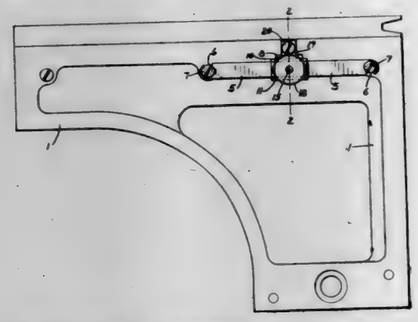
1,564,110. DEVICE FOR BUFFING MATRICES FOR TYPE-CASTING MACHINES. GEORGE S. PROBERT, Dayton, Ohio. Filed Mar. 28, 1924. Serial No. 702,700. 1 Claim. (Cl. 192—62.)



In a type-casting machine including a delivery channel plate having tapped holes, a pair of transfer slides adapted to support matrices longitudinally movable between them, each matrix having an identifying character on one side, a U-shaped frame formed with right-angled feet containing notches facing in opposite directions, screws fitting said notches adapted to be passed into the tapped holes in said channel delivery plate, said slide and plate having registering holes opposite the middle inner portion of said frame, a pair of plates movable along the longitudinal edges of said frame, a buffer member secured between said plates for projection through said holes to engage the identifying character surfaces on said matrices, one of said plates having an inwardly projecting tongue for movement between the legs of said frame, said frame having a hole in its outer end, a rod secured to said tongue for projection through the hole in the outer end of said frame, a spring coiled around said rod between the outer end of the frame and said tongue, said rod being threaded at its outer end, and an adjusting nut on the outer threaded end of said rod for the purpose specified.

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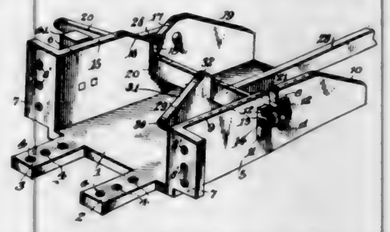
1,564,111. CAR COUPLER. LOCKHEART W. RAMAGE, Ilfracombe, Queensland, Australia. Filed July 9, 1924. Serial No. 725,001. 5 Claims. (Cl. 213—176.)

2. A car coupler comprising a channel-shaped casing having each of its side walls intermediate its ends formed with a vertical slot opening at the top edge of the wall, a transverse connecting bar having one end pivoted to one of said walls, seating in said slots and capable of being shifted clear of the other of said walls, a combined draft and coupling bar extending into said casing and having an enlarged triangular-shaped head at its forward end for elevating the connecting bar to a position where it may fall by gravity behind the head



onto the draft bar to couple said bars together, a retaining bar having its rear end pivoted to the said other wall and seating on the free end terminal portion of the connecting bar for maintaining it upon the draft bar, and means carried by that wall to which the retaining bar is pivoted for maintaining the latter against the connecting bar.

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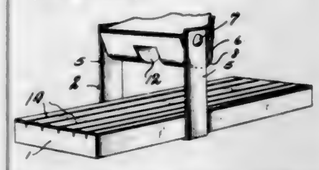
1,564,112. WRINGER. ALFRED RASMUSSEN, St. Paul, Minn. Filed Nov. 20, 1924. Serial No. 751,082. 3 Claims. (Cl. 15—260.)



1. A wringer of the class described comprising a base member, upstanding arms carried thereby and spaced transversely thereof, a block interposed between said arms and above the base member, means eccentric to the axial center of the block supporting said block by the arms for rocking movement, and means for rocking the block, said block constituting a cam member to exert pressure upon rocking movement of the block upon the article positioned upon the base member and underlying the block.

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1,564,113. BOOK CLAMP. JOHN RAUHOFER, Bethlehem, Pa. Filed Feb. 25, 1924. Serial No. 695,106. 1 Claim. (Cl. 45—61.)

In a device of the class described, a supporting element, an arm pivoted thereon and movable toward and away from said element, rotatable means for mounting the pivoted arm, and devices for retaining an adjusted position of the rotatable means and of the arm connected with the rotatable means, the device for retaining the rotatable means including a coiled spring pressing on said means, a tubular element receiving the rotatable element and spring, and a screw retaining the tubular element and imparting end thrust to the spring for forcing it against the rotatable means.

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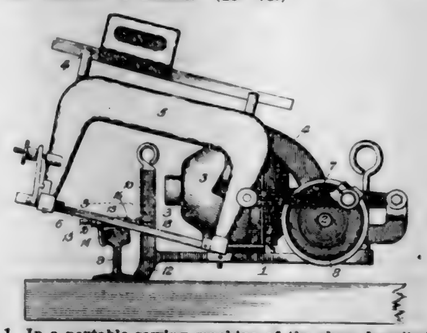
1,564,114. PORTABLE RAIL-SAWING MACHINE. WILLIAM C. REINHARDT, Racine, Wis., assignor to Racine Tool & Machine Company, Racine, Wis., a Corporation of Wisconsin. Filed Oct. 10, 1924. Serial No. 742,810. 3 Claims. (29—73.)



1. In a portable sawing machine of the class described, the combination of a main frame having one of its lower corners formed for bearing engagement with the bottom flange of a railway or like rail so as to position the frame wholly to one side of said rail, a vertically movable and horizontally reciprocating saw blade with its carrying and operating mechanism mounted on said frame, an upright guide post fixed on said frame, and a claw member formed for engagement with a top flange of the aforesaid rail and attached to the upright post in a vertically and a horizontally adjustable manner, the weight of the main frame and mechanism mounted thereon tending to cant and bind the aforesaid means of attachment upon the rail.

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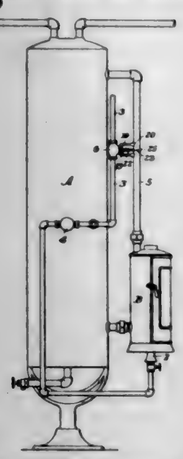
1,564,115. SAFETY DEVICE FOR HOT-WATER SYSTEMS. GEORGE A. ROBERTSHAW, Greensburg, Pa. Filed June 27, 1923. Serial No. 648,001. 2 Claims. (Cl. 122—504.3.)



1. In a hot water circulating system, the combination with a gas-supply pipe and a hot-water circulating pipe, of a safety device comprising a valve tapped into the gas-supply pipe, means tending to move said valve into engagement with its seat, and means for normally maintaining said valve away from its seat, comprising a fusible link looped around said hot-water circulating pipe and connected to said valve, substantially as described.

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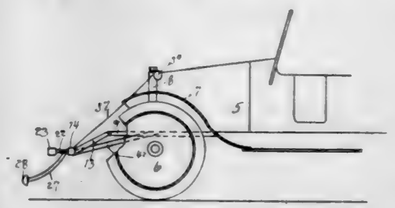
1,564,116. AUTOMOBILE FENDER. AGOSTINO RONTANI, Cloverdale, Calif. Filed June 5, 1925. Serial No. 35,133. 1 Claim. (Cl. 293—34.)



In a device of the character described, the combination with an automobile having side frames, extensions pivoted to said side frames, a box supported on the ends of said extension, a roller mounted in said box, a net positioned on said roller, a bumper positioned in front of said box, a second bumper positioned in front of and in a plane below said first mentioned bumper, means for preventing rotation of said roller, means associated with said second mentioned bumper for releasing said roller holding means, and means for extending said net to a point adjacent the uppermost edge of the radiator of said automobile.

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1,564,117. GAITER. ROBERT ALFRED AUBERGE, Paris, France. Filed Apr. 5, 1924. Serial No. 704,523. 1 Claim. (Cl. 36—2.)

The combination of a gaiter, an elastic and removable foot-strap, two metallic fittings respectively secured to the ends of the foot-strap and folded or bent upon themselves so as to constitute a socket, sheaths secured to the lower edges of the gaiter, two U-shaped clasps, each clasp being adapted to enter, on the one hand, into the socket of the said respective metallic fitting and, on the other hand, into the said respective sheath, and means for preventing these clasps from unduly coming out the said sheaths and sockets.

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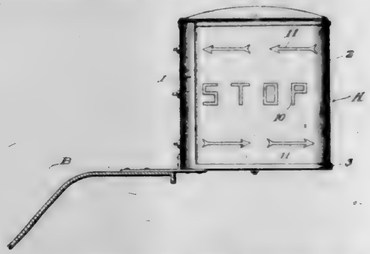
1,564,118. DIRECTION INDICATOR. FRANK AYLER, Tacoma, Wash. Filed Apr. 18, 1922. Serial No. 554,373. 1 Claim. (Cl. 177—329.)

A direction indicator comprising a vertically arranged transversely bowed wall, an annular rim connected with the lower end thereof, a top wall provided with an annular rim which is disposed in parallel relation to the first mentioned annular rim and a bottom wall carried by the lower rim, a split cylindrical transparent member arranged between the bottom and top walls and having its ends received in the rims, and the vertical edges of the transparent member being disposed behind the opposite vertical edges of the transversely bowed

wall, and vertically arranged bolts passing through the top and bottom walls whereby to hold the parts assem-




bled, the transparent wall being provided with indicia and illuminating means carried by the transversely bowed wall for illuminating the indicia.

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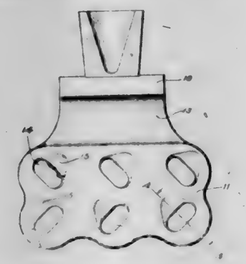
1,564,119. TOOTHBRUSH RACK. JOHN HENRY BALMER, Maplewood, N. J., assignor to J. H. Balmer Co., Newark, N. J., a Corporation of New Jersey. Filed Nov. 11, 1924. Serial No. 749,259. 3 Claims. (Cl. 248—63.)



3. A tooth brush supporting rack comprising a shelf having a plurality of elongated openings for receiving the handles of tooth brushes, the major axis of an opening of a pair of adjacent openings being disposed at a right angle to the major axis of the other opening of the pair, the right angular disposition of the openings providing for retaining the bristles of the brush held by one opening in parallel relation with the major axis of the other opening, said shelf being provided with depressions located at a right angle to the major axis of an opening to receive the lower bristles of the brush and for aiding in locating the brush in proper position in the slots, the arrangement of the openings being such that not only space is conserved but the bristles of the brushes are maintained out of contact with the bristles of adjacent brushes.

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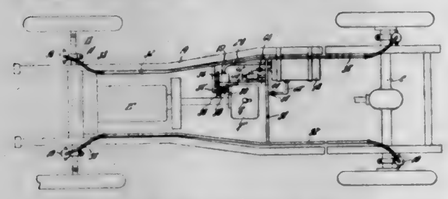
1,564,120. VEHICLE JACK. JAMES EARL BECKWITH, Tampa, Fla. Filed June 8, 1925. Serial No. 35,756. 1 Claim. (Cl. 254—86.)



In an apparatus of the character described, hydraulic jacks mounted upon the axles of a vehicle, a liquid storage tank, a pump adapted to be driven by the transmission for supplying liquid to the jacks from the tank, and automatic pressure operated by-pass means including a casing connected with the tank, and a spring pressed valve structure within the casing connected with the line between the pump and the jacks.

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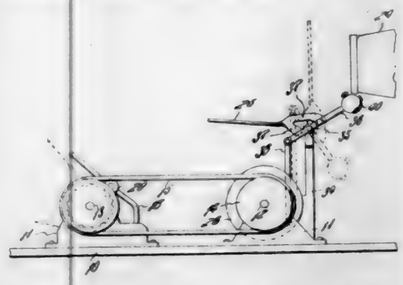
1,564,121. AUTOMATIC SHUTTER. IRA V. BLEVINS, Trammel, Va., assignor of one-half to John W. Whitlow, Trammel, Va. Filed July 23, 1924. Serial No. 727,791. 1 Claim. (Cl. 88—17.)



In an automatically controlled fire shutter for moving picture projecting machines, a friction actuated gear adapted to be partially rotated a predetermined distance from a normal position when the machine is operated, a standard, a lever pivoted upon the upper end of said standard at a point in its length, a shutter supported by said lever, a link connecting one end of the lever with said friction gear, whereby said lever is rocked upon its fulcrum to move the shutter from a vertical to a horizontal position while the machine is in operation, and a weight slidably adjusted on said lever at the opposite sides of said pivot to automatically reverse the movement of said lever and move said shutter upwardly to a vertical position when said gear is released incident to the breaking of the film.

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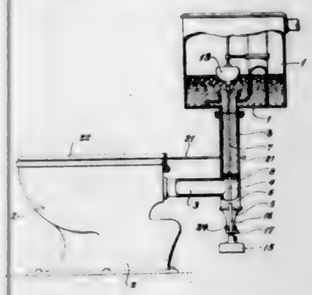
1,564,122. FLUSH VALVE. ROBERT O. H. CAMPBELL, Jamaica, N. Y. Filed July 11, 1924. Serial No. 725,479. 1 Claim. (Cl. 4—64.)



In combination with a bowl having a pivoted seat therefor, and a flush tank, a casing connecting said bowl with the flush tank, a packing gland secured to the lower end of said casing, a rod passing through said packing gland, a weight secured to the lower end of said rod, a second rod secured to the upper end of the rod first mentioned, a valve fixed to the rod second mentioned at its junction with the rod first mentioned, a cup shaped member secured to the upper end of the rod second mentioned and adapted to unseat the flush of the flush tank a U-shaped frame secured to the rod first mentioned adjacent its connection with its weight, rollers on the upper ends of the U-shaped frame, arms



extending from the pivoted seat for engaging the rollers to cause movement of the rods for unseating the flush valve and allowing the valve first mentioned to close the casing upon movement of the seat to operative position and to be unseated upon movement of the seat into inoperative position.

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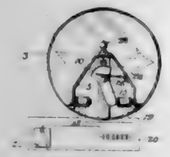
1,564,123. AUTOMOBILE SIGNAL. MOORES P. CLOUGH and NED H. NOYES, North Haverhill, N. H. Filed Jan. 21, 1922. Serial No. 530,891. 2 Claims. (Cl. 177—327.)



1. In a signal device of the character described, a casing, a supporting frame within the casing comprising an inverted U-shaped member having its ends secured to the bottom of the casing, a second frame member crossing the bridge portion of said U-shaped member and having extremities extending outward and then downward and the ends thereof secured to the bottom of the casing, a shaft journaled between the leg portions of said U-shaped member, a pinion fixed upon the shaft, an electro-magnet carried by each extremity of the second frame member, an armature supported for free swinging movement between the leg portions of the U-shaped member, said armature having its one end disposed between the electro-magnets and its other end formed with gear teeth and said teeth being in mesh with the pinion, and signal elements carried by said shaft.

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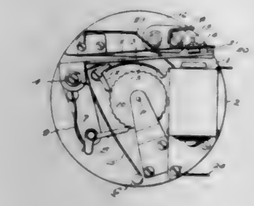
1,564,124. OPERATING MECHANISM FOR TIME-PIECES. GEORGE H. COOPER, Hartford, Conn., assignor, by mesne assignments, to Newton D. Holbrook, Thomaston, Conn. Filed Apr. 8, 1922, Serial No. 550,625. Renewed June 5, 1925. 5 Claims. (Cl. 58—41.)



1. A time train driving mechanism comprising a supporting plate, an electro-magnet mounted thereon, a pair of armatures adapted to be attracted toward the magnet, one armature having a longer movement than the other, contacts on said armatures adapted to be engaged during a portion of the travel of the armatures toward the magnet, a spring for retracting the armature having the longer movement, and means comprising a ratchet and pawl adapted to be advanced by the retraction of the armature under the influence of said spring.



1,564,125. HOCKEY STICK, CRICKET BAT, AND LIKE SPORTING ARTICLE. GEORGE FREDERICK CORDWELL, London, England. Filed June 24, 1924. Serial No. 722,150. 2 Claims. (Cl. 273—67.)

2. A hockey stick having the curved striking portion thereof slotted within the length of such curved portion and extending parallel to the striking face, and a reinforce strip inserted in said slot, the grain of the strip being arranged at an angle to the normal grain of the head portion and parallel to the striking face, and means passing through the curved portion of the stick and strip to secure the strip in place.

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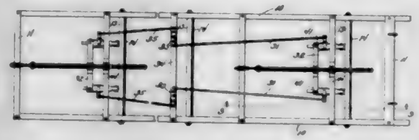
1,564,126. SCRAPER. WILLIAM H. COURTNEY, Threerivers, Calif. Filed Mar. 18, 1925. Serial No. 16,478. 2 Claims. (Cl. 37—150.)



1. A machine of the character described comprising a frame adapted to repose upon the ground, scraping and leveling blades supported transversely thereof, and normally engaging the ground, wheels mounted on said frame and capable of both vertical and horizontal pivotal movement, means for simultaneously shifting said wheels to guide the machine, and means for lifting said frame and blades above the surface of the ground and with relation to said wheels, said last mentioned means including a beam pivoted above said frame, and connected therewith at a point between its ends, a bell crank lever pivoted on said frame, a link pivotally connecting one end of the lever to the adjacent end of the beam, and a block and tackle connection between the remaining ends of said lever and beam respectively.

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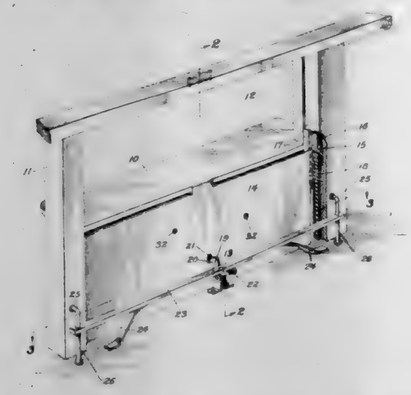
1,564,127. PROTECTIVE DEVICE. ROYAL VINCENT CRAIG, Annadale, Prince Bay, N. Y. Filed June 12, 1925. Serial No. 36,727. 1 Claim. (Cl. 268—2.)

In a device of the class described, the combination with a window, a shield slidably mounted in the side walls thereof, springs for normally holding said shield in a raised position to cover the window opening, a pivotally mounted trigger, co-acting means between said

trigger and said shield for holding said shield in a concealed position behind said window, a tail extending from said trigger, a vertically movable treadle bar



in the path of said tail for releasing said co-acting means, and springs for normally holding said treadle bar out of engagement with said tail.

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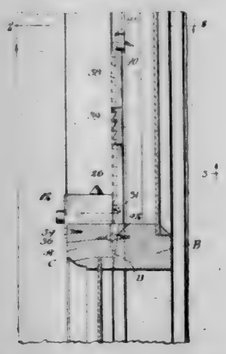
1,564,128. SASH LOCK. ROBERT CURTIS, SR., Jersey City, N. J., assignor of one-half to William A. Hager, Jersey City, N. J. Filed May 6, 1925. Serial No. 28,442. 4 Claims. (Cl. 292—175.)



1. A sash lock comprising interengageable locking elements carried respectively by the upper and lower sashes for locking the same in closed or partially closed relation against relative movement to a further opened position and guide means carried by one of said elements for co-acting engagement with the other element to effect the alinement or registry of the elements with each other when out of alinement.

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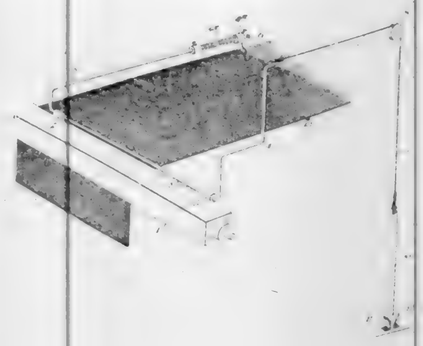
1,564,129. THIN-PLACE DETECTOR FOR LOOMS. JAMES MARION DAVIS and CECIL VERNON THOMAS, Newberry, S. C. Filed Jan. 16, 1923. Serial No. 613,079. 1 Claim. (Cl. 139—348.)

In a means for the purpose described, the combination of a rock shaft carried on the breast beam of a loom, a right angled disposed upstanding arm formed on one end of said rock shaft, a hook formed on the terminal of said right angled disposed upstanding arm, an upstanding portion formed on the oposite end of said rock shaft, a horizontally disposed arm formed on said upstanding portion and having its free end bifurcated, a spring pressed finger pivoted between the bifurcations, a cable fixed to said hook and having a pendent portion, a



weight on the end of said pendent portion and a pair of terminals in an electrical circuit arranged in spaced relation to be crossed by said weight as and for the purpose specified.

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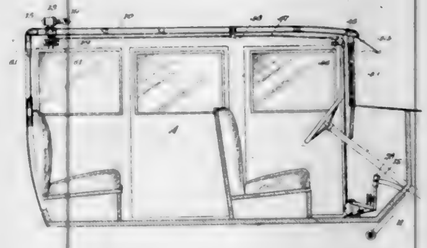
1,564,130. SIGNAL. JAMES L. DROHEN, Dunkirk, N. Y. Filed June 13, 1924. Serial No. 719,866. 2 Claims. (Cl. 74—81.)



1. A signal operating mechanism including a gear associated with the signal, a toothed pivoted segment meshing with said gear, a sliding rod terminally connected with said segment and operable to control the movements of said signal, a pair of foot operated pedals adapted to be singly actuated, a connection between said pedals and segment, resilient means for automatically retaining said segment and signal to their normal positions when the operating pedal is released, and an adjustable connection between said rod and segment, whereby the throw of said pedal can be varied.

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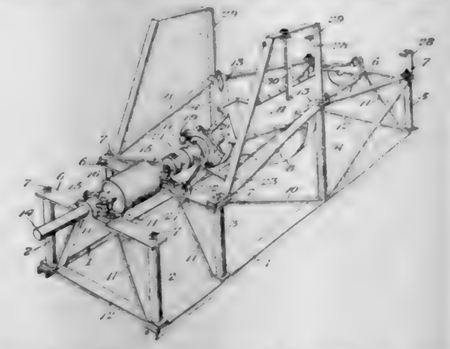
1,564,131. PORTABLE FRAME STRUCTURE FOR AUTOMOBILE ENGINES AND POWER-DELIVERING DEVICES. ISAAC A. DUNLAP, Wichita, Kans. Filed Feb. 26, 1924. Serial No. 695,371. 5 Claims. (Cl. 248—14.)

1. A portable frame structure including longitudinal base members spaced apart, vertical supports mounted on each of the base members, intermediate supports



mounted on the base members between the vertical supports, and longitudinal truss rods secured to the upper



ends of the vertical supports and to the upper and lower ends of the intermediate supports for bracing said supports.

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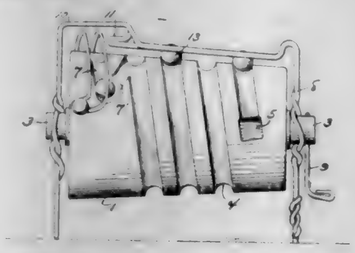
1,564,132. TOY. EDWARD E. FRANCE, Racine, Wis. Filed Jan. 21, 1925. Serial No. 3,857. 3 Claims. (Cl. 46—37.)



1. A device of the class described comprising a supporting frame, a member rotatably mounted therein and having a bore and a spiral groove on its exterior with passages connecting the ends of the grooves with the bore, means permitting the member to be rotated, a spherical member, means for holding the spherical member at the top of the rotatable member and to cause it to engage the spiral groove as the member is rotated and means for catching the spherical member as it leaves one of the holes and directing it into the spiral groove.

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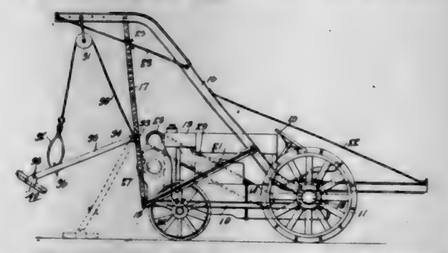
1,564,133. HOISTING MACHINE. LEVING FRASER, Osceola, Ark. Filed June 20, 1925. Serial No. 38,552. 7 Claims. (Cl. 212—145.)



1. The combination of a tractor having a front axle, a rear axle, and means for driving the same, of a drum carried by the tractor, means for driving the drum, a pair of beams secured to the rear axle and extending upward and forward therefrom beyond the front axle, a pulley at the forward ends of said beams, a cable passing from the drum over said pulley, and spuds attached to the forward end of the frame in position to supplant the front wheels for supporting a greater or less portion of the weight of the machine and adapted to contact with parts of the frame for preventing additional forward movement of the tractor, substantially as set forth.

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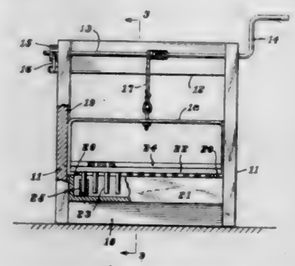
1,564,134. TOP-TORPEDO-FILLING MACHINE. PASQUALE GIANNONE, Norristown, Pa. Filed Jan. 2, 1923, Serial No. 610,241. Renewed Aug. 6, 1925. 2 Claims. (Cl. 86—20.)



1. In a device of the class described, the combination of a framework, a receptacle mounted in said framework, a vertically movable device mounted in said framework, a plate mounted on said vertically movable device and formed with a plurality of nipples on its lower face, a second plate removably supported by the first said plate and adapted to measure one of the ingredients, and means for operating said device to raise both of said plates as and for the purpose set forth.

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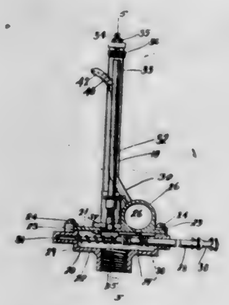
1,564,135. AUTOMATIC GAS CUT-OFF FOR GAS WATER HEATERS. ABRAHAM J. GILDEN, New York, N. Y., assignor to Safety Gas Jet Co., Inc., New York, N. Y., a Corporation of New York. Filed July 23, 1923. Serial No. 653,389. 2 Claims. (Cl. 67—116.)



1. A device of the class described comprising a casing, a gas inlet and outlet in said casing, a sliding valve having a recess therein, means for normally holding said valve in a position adjacent said outlet, a thermostatic element having one end extending into said casing and adapted to co-act with the recess in said valve to hold same in an open position, means for rigidly securing the other end of said thermostatic element, said means including an arm extending from said casing for supporting said element, a burner tube having communication with

said outlet and adapted to be interposed between said arm and said thermostatic element to heat the latter for expanding said element into said recess.

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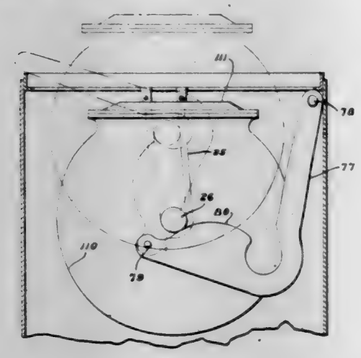
1,564,136. WASHING MACHINE. JOHN J. GRODEN, Philadelphia, Pa. Filed July 22, 1922. Serial No. 576,827. 3 Claims. (Cl. 62—18.)



2. In a washing machine, a casing, guides mounted at the opposite sides thereof, an oscillatory clothes container, trunnions on said container and slidably and rockably mounted in said guides, a substantially L-shaped lever pivotally mounted within said casing and having a cam portion engaging one of said trunnions for raising the clothes container upon movement of the lever in one direction.

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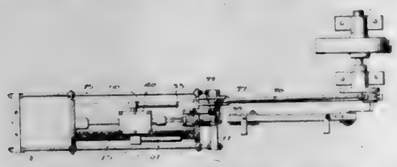
1,564,137. STEAM ENGINE. JOHN HENRY LIVINGSTON, Holly Ridge, La. Filed Feb. 28, 1922. Serial No. 540,048. 1 Claim. (Cl. 121—50.)



In a steam engine, a reciprocating cylinder, a piston arranged for reciprocatory movement in said cylinder, a crank shaft having crank pins, motion transmission means between the crank shaft and the cylinder, motion transmission means between the crank shaft and the piston, and valve mechanism including a valve and operating means therefor including an operating arm actuated from the cylinder connecting rod, a valve rod connecting with the operating arm, a link block connected with the valve rod, a link adjustably receiving the link block, a pedestal carried by the cylinder upon which the link is fulcrumed and a short rod between said link and the valve.

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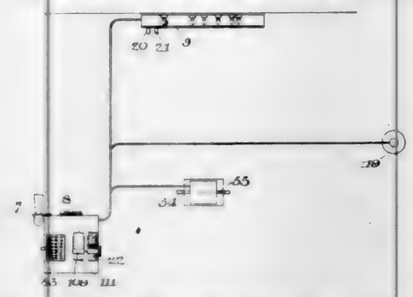
1,564,138. TESTING APPARATUS. ARTHUR J. ROWLAND, Milwaukee, Wis., assignor to The North American Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 12, 1923. Serial No. 624,545. 4 Claims. (Cl. 35—12.)

1. In a testing apparatus of the character described, the combination of means for indicating to the person being tested the response required, switch mechanism operable by said person for his response, electrically operated response-recording mechanism, means for visibly indicating to the person being tested his response during his training period, and means for rendering said visible



response indicating means ineffective and for rendering said recording mechanism operative during the test period.

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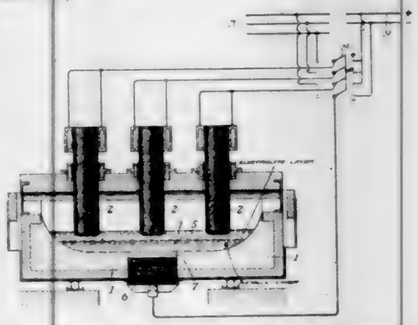
1,564,139. MANUFACTURE OF ALLOY STEELS AND IRONS. BYRAMJI D. SAKLATWALLA, Crafton, Pa. Filed Apr. 8, 1924. Serial No. 704,952. 9 Claims. (Cl. 204—19.)



1. The process of introducing an alloying metal into steel or iron, comprising forming a molten bath of steel or iron and a molten supernatant electrolyte bath containing an unreduced compound of the alloying metal, and reducing the alloying metal from such compound by electrolysis, substantially as described.

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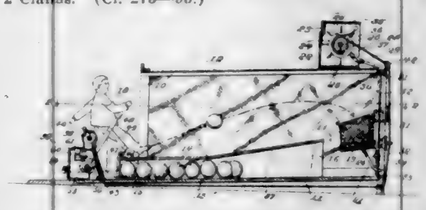
1,564,140. AMUSEMENT DEVICE. RYUJI SATO, New York, N. Y. Filed Sept. 13, 1923. Serial No. 662,502. 2 Claims. (Cl. 273—95.)



1. In a game apparatus, an inclosure, a receptacle arranged therein and including a pivoted bottom, a plurality of balls adapted to be singly kicked in the direction of the receptacle in an effort to deposit said balls therein, each ball opening the pivoted bottom of the receptacle as it passes through the latter, a scoring device, means automatically operable to actuate the scoring device with each opening of the bottom of said receptacle, and a runway arranged upon the bottom of the inclosure to receive said balls.



1,564,141. PROCESS FOR IMPREGNATING LIVING TREES. CARL SCHMITTUTZ, Bad Kissingen, Germany. Filed Oct. 11, 1924. Serial No. 743,097. 3 Claims. (Cl. 47—58.)

1. A method of impregnating living trees which consists in interrupting the continuity of the bark, and thereafter forcing impregnating liquid into the tree at such pressure as to drive out the sap at the points of interruption, substantially as set forth.

2. A method of impregnating living trees which consists in interrupting the continuity of the bark, thereafter forcing impregnating liquid into the tree at such pressure as to drive out the sap at the points of interruption, and allowing the tree to remain standing until it is dried out whereby the liquid is removed and the impregnating material remains in all parts of the tree, substantially as set forth.

3. A method of impregnating living trees which consists in interrupting the continuity of the bark, thereafter forcing impregnating liquid into the tree at such pressure as to drive out the sap at the points of interruption, and collecting the sap thus forced out of the tree, substantially as set forth.

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1,564,142. UTILIZING SULPHITE CELLULOSE LYE. CARL GUSTAV SCHWALBE, Eberswalde, Germany. Filed Oct. 17, 1924. Serial No. 744,254. 4 Claims. (Cl. 44—16.)

1. A method of utilizing sulphite cellulose lye, consisting in mixing sulphite cellulose lye with chlorides of magnesium, calcium or sodium and heating the mixture under pressure to a temperature between 150° and 200° C.

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1,564,143. HAIR CLIPPER. DUSHAN S. SEKULITCH, Washington, D. C. Filed Oct. 30, 1924. Serial No. 746,816. 8 Claims. (Cl. 30—1.)

1. In a hair clipper, a pair of blades, one being slidable relative to the other, a spring for holding the sliding blade at its limit of movement in one direction, a pair of pivoted handles, a detachable connection between the handles and sliding blade, and means rendered active upon the movement of the handles to separate the pivot points of the handles and operate the sliding blade.

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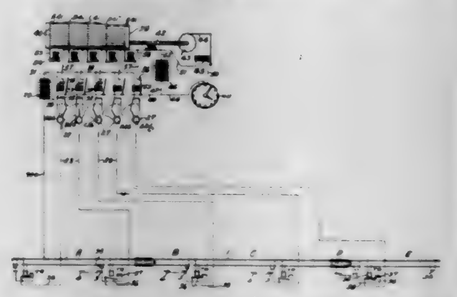
1,564,144. TRAIN-CONTROL SYSTEM. PAUL J. SIMMEN, Eden, N. Y. Filed Mar. 17, 1922. Serial No. 544,489. 17 Claims. (Cl. 246—4.)



12. In a railway train control system, in combination, a trackway divided into blocks, a train control rail for each block arranged on one side of the trackway, a source of current, manually operated elements, one for each block, located at a common remote point for connecting or disconnecting one terminal of the source with the track control rail, and means controlled by the presence of a train upon a block to which the effective operation of the correspondingly manually operated means is subject, thereby to prevent a regulation for clear trackway conditions falsely responsive to a corresponding operation of any of said manually operated elements.

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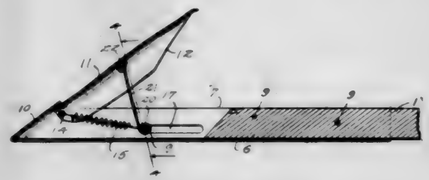
1,564,145. ATTACHMENT FOR STACKER TEETH. HANS L. SONDERUP, St. Paul, Nebr. Filed June 12, 1925. Serial No. 36,710. 4 Claims. (Cl. 214—144.)



1. In an attachment for stacker teeth, an element projecting from the end of a stacker tooth and connected thereto, a guard having its outer end pivotally connected to the element, yieldable means for moving the guard and holding the said guard elevated with respect to the element and operative to be depressed by the weight of the load passing over the guard, and means for arresting the guard in its outward movement to prevent said guard passing a position at right angles to the axis of the element.

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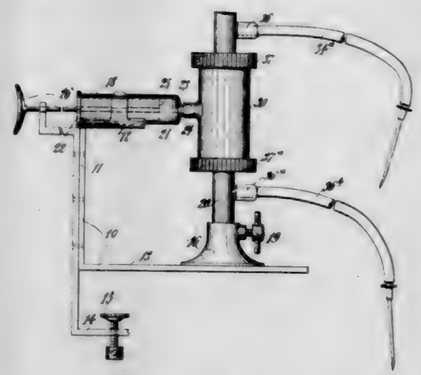
1,564,146. APPARATUS FOR SURGICAL USES. ANGELO L. SORESI, New York, N. Y. Filed May 17, 1924. Serial No. 713,878. 8 Claims. (Cl. 128—214.)



1. An apparatus for surgical uses comprising, a casing having a longitudinal bore therethrough and a transverse bore communicating with said longitudinal bore between its ends, a pump or syringe adapted to be connected with said transverse bore, end members adapted to removably engage the ends of said casing, said end members having bores through them communicating with the longitudinal bore in said casing and providing in conjunction therewith valve cavities, ball valves in said valve cavities for preventing the flow of fluid through said end members and casing in one direction, and inlet and outlet conduits communicating with the bores in the end members.

1,564,147. SINKER. JOHN W. STICKLEY and AARON T. ROSSIGNOL, Washington, D. C. Filed June 28, 1921. Serial No. 481,038. 3 Claims. (Cl. 43—52.)

1. In a device of the character described, a body of heavy material having parallel openings, and a releasing device of bent wire having means for attachment to a line, and having portions adapted to enter said openings, said portions being bent to hold them frictionally in said openings, substantially as set forth.

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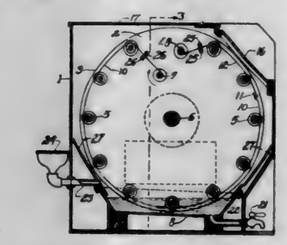
1,564,148. PHOTOGRAPHIC-DEVELOPING APPARATUS. JACOB SUMTER, New York, N. Y. Filed Feb. 3, 1922. Serial No. 533,751. 8 Claims. (Cl. 95—90.5.)



1. In a photographic developing apparatus, the combination of a casing, a revolvable drum in said casing, means for rotatably mounting a film cartridge on the drum, a reel rotatably mounted on said drum, a length of flexible material adapted to be wound on said reel and around said drum, said length having fastening means enabling it to pull on the film, whereby when the reel is rotated the film is caused to be pulled around said drum.

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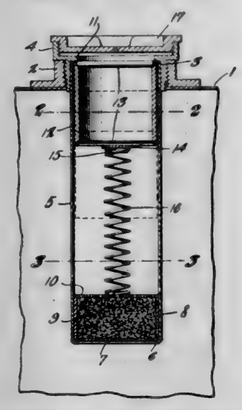
1,564,149. SAFETY DEVICE FOR TANKS. THOMAS THOMAS, Scranton, Pa. Filed June 17, 1925. Serial No. 37,806. 2 Claims. (Cl. 220—86.)



1. In combination with the supply tank for gasoline or other explosive liquids, of a safety filtering spout therefor, including a tubular member removably secured in the filler opening of the tank, an apertured receptacle for a filtering medium at the bottom of the tube, a hollow slidable member at the top of the tube having closely woven wire mesh at the ends thereof, spring means influencing the last mentioned member in an upward direction in the sleeve and a removable closure for the tube.

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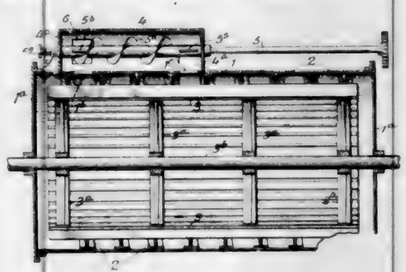
1,564,150. PRESSURE COOKER. ALBERT R. THOMPSON, San Jose, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed July 18, 1922, Serial No. 575,879. Renewed Apr. 3, 1925. 21 Claims. (Cl. 126—272.)



1. A pressure cooking apparatus, comprising a cooking chamber in which pressure may be maintained above atmospheric and having a plurality of inlet ports, a tight housing covering the said ports, means in the housing whereby containers fed into the housing may be directed through any selected inlet port into the cooking chamber; and means in the cooking chamber for moving the containers therethrough from the point of entry thereinto to the point of discharge.

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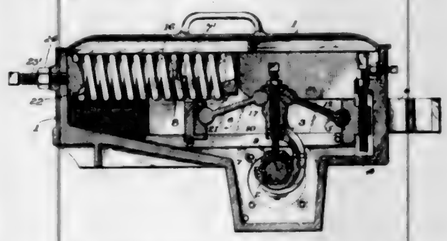
1,564,151. SELF-OILING HEAD MOTION. CHARLES E. THOMPSON, Denver, Colo., assignor to The Mine & Smelter Supply Company, Denver, Colo., a Corporation of Colorado. Filed May 15, 1919. Serial No. 297,197. 2 Claims. (Cl. 74—14.)



1. A head motion comprising a thrust-yoke, upper and lower thrust-guides, adjustable guide retainers, an eccentric shaft arranged below the thrust-yoke, a vertically adjustable toggle-seat arranged in alignment with said thrust-yoke, a pitman arranged between the inner end of said thrust-yoke and said vertically adjustable toggle-seat, toggles extending between said thrust-yoke and said adjustable seat and the outer end of said pitman, and a spring exerting pressure against the thrust-yoke.

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1,564,152. SAMPLE-DISPLAY FOLDER. JOHN M. THOMSON, Nutley, N. J. Filed Apr. 16, 1925. Serial No. 23,728. 2 Claims. (Cl. 35—17.)

1. A sample display folder comprising a back, covers hingedly connected to the longitudinal edges of the back, a display frame hinged at its upper end to the upper end of the back and provided with openings of the configuration of the waist and skirt of a dress, a series of panels hingedly connected together with one panel of the series secured to the back, the faces of alternate panels having secured thereto sample fabrics to be displayed through the openings in the frame when said frame has

been moved into position on a fabric carried by a particular panel, the faces of the panels adjacent the alternate faces being provided with samples of fabric corresponding in design to the main piece of fabric but having a different color scheme.

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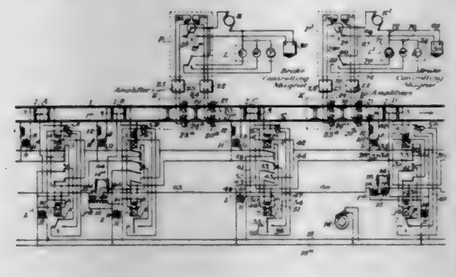
1,564,153. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RALPH P. TUTTLE, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 1, 1924. Serial No. 696,841. 1 Claim. (Cl. 246—63.)



In combination, a stretch of railway track, a track relay having a first winding connected with the rails of the stretch and a second winding, an auxiliary relay having a first and a second winding, means for constantly supplying alternating current to the first winding of said auxiliary relay, a transformer for supplying alternating current to the rails of the stretch, means for supplying the primary of said transformer with alternating current of one relative polarity or the other depending on traffic conditions, means for connecting the second winding of said track relay in parallel with the primary of said transformer, means controlled by said track relay for at times connecting the second winding of said auxiliary relay in parallel with the primary of said transformer, and trackway signaling means controlled by said auxiliary relay.

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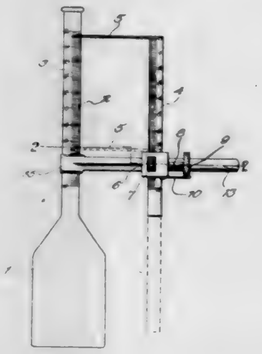
1,564,154. MEASURING INSTRUMENT. ALFRED C. ULRICH, Horicon, Wis. Filed May 31, 1924. Serial No. 717,103. 2 Claims. (Cl. 33—143.)

1. A means for ascertaining the butter fat in milk or cream in which a test bottle having a graduated neck is employed, said means comprising a scale graduated to correspond with the graduations on the neck of the test bottle, a finger on the upper end of the scale and at right angles thereto, a block through which the scale passes, means mounted on the block for moving the scale through the block, means on said block for preventing the



accidental movement of the scale through the block, and means for so clamping the block on the test bottle that the scale will be parallel to the neck thereof.

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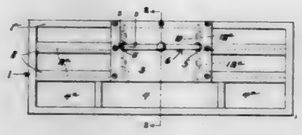
1,564,155. BALL RACK. MIKE VARGO, Yukon, Pa. Filed Apr. 24, 1925. Serial No. 25,698. 3 Claims. (Cl. 273—16.)



2. In a ball rack, a casing, shelves mounted in the casing at each end thereof and having ball supporting surfaces inclined downwardly and inwardly of the casing, a plate supported in front of the shelves at the inner ends thereof, a yoke slidable through the plate, means for urging the yoke outwardly of the plate, means for limiting outward movement of the yoke, and retaining members carried by the arms of the yoke and positioned to retain balls on the shelves when the yoke is in its normal outermost position, said members being moved out of the path of travel of the balls to permit the latter to be discharged from the shelves when the yoke is forced inwardly through the plate.

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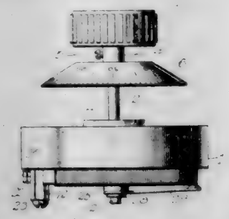
1,564,156. PROCESS OF MAKING FERROVANADIUM. LOUIS F. VOGT, Washington, Pa., assignor to Standard Chemical Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Dec. 26, 1924. Serial No. 758,090. 7 Claims. (Cl. 75—45.)

1. In the manufacture of ferro-vanadium, the steps consisting in forming a molten bath having thereon a slag layer containing vanadium compounds, and spreading on the top of the slag layer finely divided lime-containing fluxing material together with a finely divided silicon-containing reducing agent whereby the mixture fuses and the reducing agent gradually descends through the slag layer reducing vanadium therefrom as it descends.

1,564,157. VARIABLE GRID LEAK. LAWRENCE WAINWRIGHT, Chicago, Ill. Filed Apr. 26, 1924. Serial No. 709,185. 2 Claims. (Cl. 201—48.)



1. The method of constructing a high resistance which comprises coating an insulating strip with a high resistance medium, winding said insulating member with a conductor, and removing those portions of said windings of said conductor overlying one edge of said strip.

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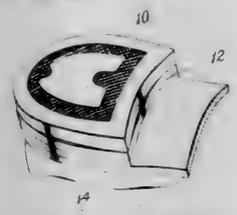
1,564,158. CUSHION HEEL. GEORGE E. WARREN, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 26, 1922. Serial No. 608,908. 5 Claims. (Cl. 36—35.)



1. A rubber heel normally of concavo-convex form deformable to flatness and having an unbroken edge surface of rubber from its tread face to its attaching face, having a relatively thin layer of substantially inextensible material at its attaching face so that the neutral axes of the heel lie approximately at its attaching face.

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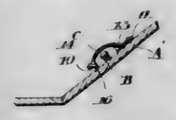
1,564,159. MOTOR-CAR STARTING-SWITCH PROTECTOR. HENRY WATSON and JOHN HENRY WATSON, Vernon, British Columbia, Canada. Filed June 22, 1922. Serial No. 570,224. 2 Claims. (Cl. 74—81.)



1. The combination with the button controlling the starting mechanism of an automobile motor, or the like, a portion of which normally projects through an aperture in the floor of the automobile, of a guard member mounted so that it may be moved into a position to cover or protect said button against being accidentally depressed, and a spring normally holding said member in its operative position.

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1,564,160. GEAR. WILLIAM H. WEGERT, Racine, Wis. Filed May 14, 1924. Serial No. 713,322. 2 Claims. (Cl. 74—28.)

1. A gear comprising a plurality of toothed sections disposed in end to end relation, one of said sections having a hub extending through and forming the hub for the other of said sections, the end sections forming said gear being secured in fixed relation, a leaf spring secured in a radial recess in said hub, one of said toothed sections having a notch engaged by the end of said leaf

spring and holding the teeth of the said section out of alinement with the teeth of the other sections, substantially as set forth.

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1,564,161. METHOD OF PROCEDURE FOR SENSITIZING KINOFILMS FOR POSITIVE COPIES BY MEANS OF SOLUTIONS OF BICHROMATE. ALFRED WEINGARTEN, Berlin, Germany. Filed Jan. 12, 1925. Serial No. 1,989. 1 Claim. (Cl. 95—7.)

A method of sensitizing kinofilms for positive copies, consisting in bathing the colloid in a solution of potassium bichromate, potassium ferro-cyanide and potassium bromide.

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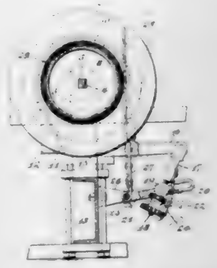
1,564,162. BEAM TENSION DEVICE FOR KNITTING MACHINES. OTTO C. WIESE, Brooklyn, N. Y. Filed Apr. 10, 1925. Serial No. 22,227. 2 Claims. (Cl. 66—12.)



1. In a tension device for knitting machines, a friction device, a pivotally mounted arm connected with said friction device, a rod pivotally connected to said arm, a sleeve slidingly mounted on said rod and a manually actuated threaded member acting against said sleeve and rod for causing a tension on said friction device, a link carrying said sleeve, said sleeve being slidable along said link, a rock shaft rigidly secured to said link and adapted to swing the same so as to move said friction device in such a direction as to reduce the tension thereof, and a feeler arm rigidly secured to said rock shaft and adapted to cause the same to move in proportion to the movement of the knitting machine.

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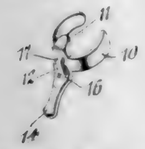
1,564,163. STORAGE BATTERY. ELMER HOWARD WILLIAMS, Monessen, Pa. Filed Apr. 21, 1925. Serial No. 24,843. 3 Claims. (Cl. 136—147.)

1. In combination with the plate of a storage battery, a spacer comprising a bar extending along the bottom edge of the plate to support it above the bottom of a battery container, and heads on the bar having slots in which the edge of the plate is fitted, said heads being in outstanding relationship to the sides of the plate and bar providing channels when two or more spacers are assembled in which active material falling from the plates may collect.



1,564,164. DENTAL CLASP. REGINALD V. WILLIAMS, Buffalo, N. Y. Filed Sept. 2, 1922. Serial No. 585,981. 6 Claims. (Cl. 32—12.)



2. A jointed ready-made dental clasp, comprising a band provided with a loop adapted to receive an anchoring spur, said loop consisting of a tongue formed integral with said band and extending upwardly from the lower edge thereof, the upper end of said tongue being bent toward the band.

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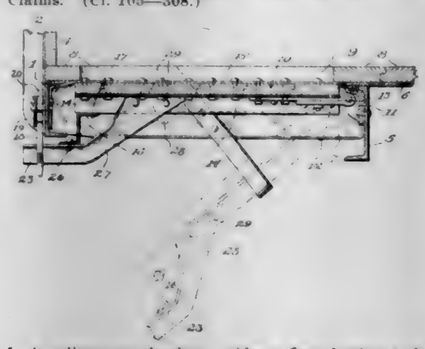
1,564,165. RAILWAY CAR. WILLIAM E. WINE, Toledo, Ohio. Filed June 23, 1923. Serial No. 647,374. 16 Claims. (Cl. 105—308.)



1. A railway car having a side, a floor having a door opening therein, a hinged door for said opening, door supporting means movably mounted upon the car side, a Z-bar stiffening member secured to the under face of said door and terminating adjacent the free edge thereof, and a door arm secured to said stiffening member, said arm being formed with a plurality of flanges one of which is adapted to engage said door supporting means to maintain said door in closed position.

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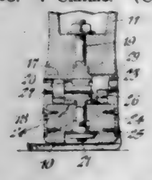
1,564,166. ANKLE JOINT FOR ARTIFICIAL LIMBS. CHESTER B. WINN, Buffalo, N. Y. Filed Dec. 29, 1924. Serial No. 758,503. 7 Claims. (Cl. 3—6.)



1. An ankle-joint for artificial limbs, comprising a journal carried by the leg-member and having both convex and concave bearing surfaces, and opposed complemental concave and convex bearing surfaces applied to the foot.

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1,564,167. WRENCH BLANK AND METHOD OF MAKING THE SAME. WILLIAM P. WITHEROW, Pittsburgh, Pa., assignor to Witherow Steel Company, Neville Island, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed Jan. 5, 1922, Serial No. 527,202. Divided and this application filed Apr. 7, 1922. Serial No. 550,522. 6 Claims. (Cl. 76—114.)

1. In the method of making wrenches, the steps consisting in producing a connected series of wrench blanks, each having at least one enlarged head from which a nut-receiving socket is adapted to be formed and also having a handle-forming portion, there being flash along

a major part of the handle-forming portion separating the blanks, removing the flash and cutting away a portion of the head to form a nut-receiving socket, substantially as described.

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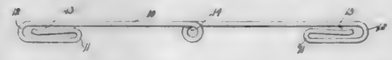
1,564,168. PROTECTIVE DEVICE FOR FENCES. ROY W. YOUNG, Elmore, Minn. Filed Mar. 14, 1924. Serial No. 699,255. 3 Claims. (Cl. 256—35.)



3. A brace of the character described formed from a single length of resilient material provided centrally with a loop adapted for engagement upon one wire of a fence and formed at both ends with reflexly extended portions defining hooks engageable with other wires of a fence for holding the wires relatively rigid.

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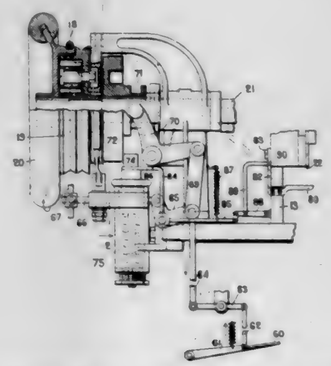
1,564,169. SEWING MACHINE. FRANK W. ZALESKI, Boston, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed Jan. 23, 1922. Serial No. 531,083. 2 Claims. (Cl. 112—252.)



1. In a power driven chain stitch sewing machine an operating shaft, a curved hooked needle, connections from the shaft for reciprocating the needle to penetrate the work and receive the thread and to retract and draw a thread loop through the work, means for presenting the thread to the needle hook in each cycle, stopping mechanism operative at the completion of a seam to stop the machine in position with the needle retracted out of the work, a cutter movably mounted to approach and cut the thread between the hook of the retracted needle and the work, and means operated automatically in the final stitch cycle after the needle has retracted from the work and before the operating shaft comes to a stop to operate the cutter to cut the thread, and thereby release the work.

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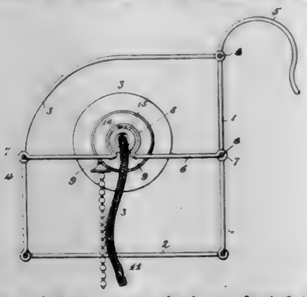
1,564,170. LAMP-SHADE FRAME. KORNEL C. BENGER, New York, N. Y. Filed Apr. 11, 1925. Serial No. 22,410. 4 Claims. (Cl. 240—108.)

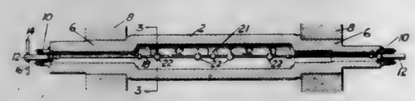
3. As a new article of manufacture, a lamp shade frame provided with an attaching bar having a loop intermediate its ends to receive the attaching nipple of

a lamp socket, said loop being provided with a mouth through which is adapted to be passed the conductor



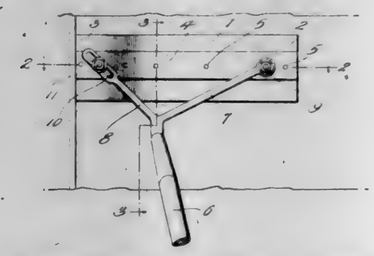
cord of the socket, a cam on the loop adapted to engage the usual set screw on the nipple for forcing the nipple tight against the loop.

1,564,171. MILL-ROLL-COOLING DEVICE. ROY W. BROWN, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 16, 1923. Serial No. 651,699. 13 Claims. (Cl. 18—2.)



1. A device for cooling a roll having an annular opening therein comprising means for conducting a cooling fluid into the opening, and means for directing the fluid against the inner surface of the roll and contra to the direction of rotation of the roll.

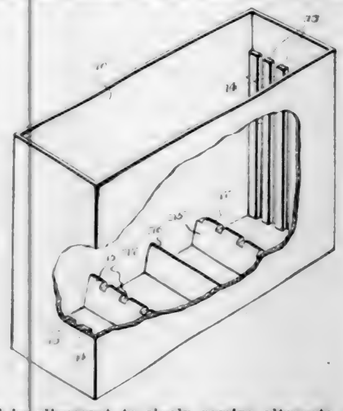
1,564,172. CEMENT TROWEL. EDWARD HARMAN BUSCH, Kendallville, Ind. Filed June 18, 1925. Serial No. 38,047. 3 Claims. (Cl. 94—45.)



1. A cement working tool comprising a resilient plate whose ends are relatively offset and adapted to be extended or retracted by springing the plate into different shapes, a tie member connected to one end of the plate, and means adjustably connecting the other end of said plate with said tie member to hold the plate in any shape to which it is sprung.

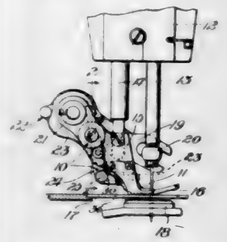
1,564,173. STORAGE-BATTERY COMPARTMENT. SIDNEY CHARLES FORD and WILLIAM ALFRED SHULER, New Orleans, La. Filed Mar. 3, 1924. Serial No. 696,578. 1 Claim. (Cl. 136—166.)

In a battery cell, vertically disposed spaced ribs extending along opposite walls of the cell, the ribs of one wall being offset laterally with respect to the ribs of the opposite wall and defining relatively offset grooves for receiving the edges of the cell elements, spaced vertically disposed ribs extending transversely of the bottom of the cell, and the last mentioned ribs being transversely notched to receive the lower edges of the cell elements, the notches of the transverse ribs being ar-



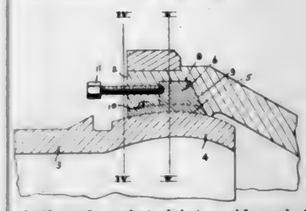
ranged in alignment to singly receive alternate cell elements and the notches of the opposed walls being arranged to receive alternate pairs of cell elements.

1,564,174. SPRING STRUCTURE FOR SEWING MACHINES AND THE LIKE. THOMAS J. HAYES, East St. Louis, Ill., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co., a Corporation of Maine. Filed Apr. 27, 1923. Serial No. 635,006. 6 Claims. (Cl. 267—69.)



1. The combination with a suitable support and a working part of a high speed machine, of a spring structure for moving said working part comprising a wire spring having a butt-coil adapted to be contracted and a working extension therefrom that is connected to said working part, a barrel engaging the exterior only of said butt-coil and snugly investing said coil, and means for securing said barrel to said support.

1,564,175. FLEXIBLE PIPE JOINT. CHARLES J. P. HOEHN, San Francisco, Calif., assignor to The Enterprise Foundry Co., San Francisco, Calif., a Corporation of California. Filed Apr. 1, 1924. Serial No. 703,534. 8 Claims. (Cl. 285—91.)

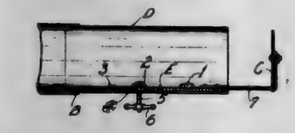


1. In a ball and socket joint, said socket provided with a space adjacent the ball and having pockets opening therefrom adapted to receive packing material,



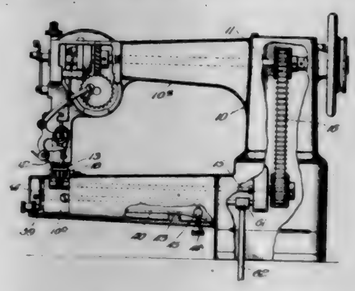
compression means for said material communicating with each pocket and having an axis of compressive movements at all times clear of the ball joint.

1,564,176. FUEL-SAVING DEVICE. FRANK S. MILLER, St. Louis, Mo. Filed Feb. 28, 1925. Serial No. 12,328. 1 Claim. (Cl. 126—285.)



A fuel saving device of the kind described, comprising a sleeve adapted to have one end of same inserted in the stove pipe opening of a flue, a bar reciprocatingly mounted on said sleeve, a member carried by said bar, and proportioned so that it can be introduced through said stove pipe opening and disposed so that it extends substantially parallel to the longitudinal axis of the flue, a manually-operable means for adjusting said bar during the operation of installing the device so as to enable said member to be set in the proper position with relation to the inner end of said sleeve, and means for preventing said bar from being moved in one direction far enough to cause said member to act as a closure for the end of said sleeve.

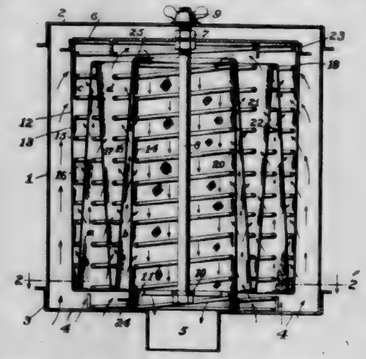
1,564,177. WORK-HANDLING MECHANISM FOR SEWING MACHINES. CHARLES W. MUELLER, St. Louis, Mo., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co., a Corporation of Maine. Filed Apr. 30, 1923. Serial No. 635,458. 25 Claims. (Cl. 112—178.)



1. In a sewing machine, an abutment against which the work is to be pressed, a feed system movable relatively thereto comprising two relatively-movable elements being a clamped member capacitated for movement toward and from the abutment and a feed member capacitated for four-way movement relative to said abutment, yielding means acting on said system to press said elements toward the abutment, a single operating shaft, and means operated from said shaft for imparting to said clamp member and said feed member their respective movements relative to said abutment.

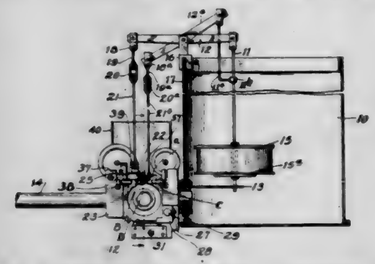
1,564,178. AIR CLEANER FOR AUTOMOBILE ENGINES AND THE LIKE. FREDERICK STRATTNER OREM, Baltimore, Md. Filed May 29, 1924. Serial No. 716,787. 2 Claims. (Cl. 183—71.)

1. In an air cleaner for automobiles, a casing having two opposed supports, a spiral spring seated on one support and extending towards, but free from contact with the other support, a spiral spring seated on said other support and extending towards but free from contact with the first support, said springs being concentric with each other, a tubular fabric supported at its opposite ends on said supports, and having its intermediate portion extending over the said springs in zig-zag form,



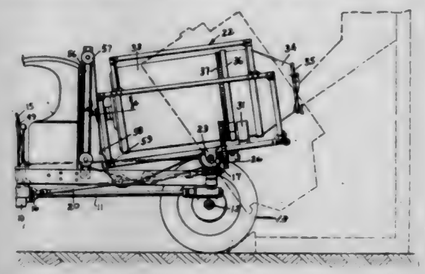
said casing having an inlet and an outlet for air, the said fabric being interposed between the inlet and outlet, substantially as described.

1,564,179. CONTROL FOR PIPES OF TANKS. HERBERT L. RIDENOUR, Hicksville, Ohio. Filed June 15, 1925. Serial No. 37,271. 3 Claims. (Cl. 137—68.)



2. In a control for pipes of tanks, a supporting frame adapted for attachment to a discharge pipe of an oil tank associated with a valve for such pipe, mechanism for moving the valve to an open and a closed position, a suitably operated valve arresting means, a float in the tank the gravity of which communicates motion to the valve arresting means, and an auxiliary device operated by the buoyancy of the float for communicating motion to the valve operating arresting means.

1,564,180. CONCRETE-HANDLING MACHINE. CARL L. WILLARD, Lynwood, Calif. Filed June 4, 1925. Serial No. 34,797. 7 Claims. (Cl. 83—73.)



1. In combination with a self-propelled vehicle, a concrete mixer barrel tiltably mounted upon the vehicle, means for rotating the mixer barrel by the propelling

means on the vehicle whereby the mixer may be operated while the vehicle is traveling, and means operable by the propelling means upon the vehicle for tilting the mixer barrel and returning it to its normal position while the mixer barrel is being rotated.

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1,564,181. MANUFACTURE OF BRAN FOOD. JOHN LEONARD KELLOGG, Battle Creek, Mich., assignor to Kellogg Company, Battle Creek, Mich., a Corporation of Delaware. Filed Oct. 26, 1922. Serial No. 597,176. 8 Claims. (Cl. 99—11.)

1. A process for the preparation of a bran food, which comprises moistening a mixture of bran and an agent containing diastatic enzymes, converting the bran starches of the moistened mixture into malt sugars, by subjecting the same to heat, and then cooking, drying, disintegrating and toasting the converted product.

6. A bran food consisting preponderantly of bran, malt and malt sugars in a cooked, dried and disintegrated condition.

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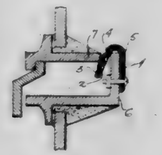
1,564,182. WEATHER STRIP. ALBERT A. MORSE, Chicago, Ill., assignor to Athey Company, a Corporation of Illinois. Filed Apr. 14, 1924. Serial No. 706,277. 2 Claims. (Cl. 20—69.)



1. A weather strip comprising a metal sheath partially folded for straddling an object, whereby two spaced flanges are provided; the longitudinal edges of the metal forming said sheath being spaced apart upon the exterior side of one of said flanges, and a pad confined in said sheath and projecting between said spaced edges.

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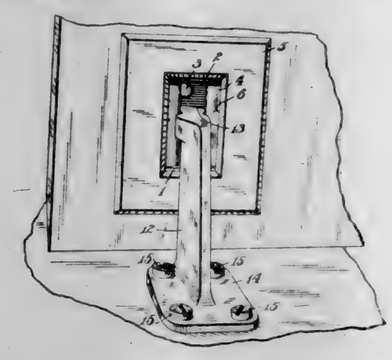
1,564,183. DOOR HOLDER. CARL J. PRINZLER, Indianapolis, Ind., assignor to Vonnegut Hardware Company, Indianapolis, Ind., a Corporation of Indiana. Filed Aug. 15, 1924. Serial No. 732,231. 3 Claims. (Cl. 292—17.)



1. A door holder comprising a cup arranged to be counter-sunk in a door, a U shaped spring having its legs contracted to form clips and its base secured to the bottom of said cup, mounted within said cup, a face plate for said cup, rearwardly extending lugs on the back of said face plate telescoping the sides of the cup, securing means extending through the sides of the cup and said lugs for fastening the plate and cup together and rearwardly extending screw threaded bosses on the rear face of said plate to receive screws for securing the same in position on the door, said screws being inserted from the opposite face of the door.

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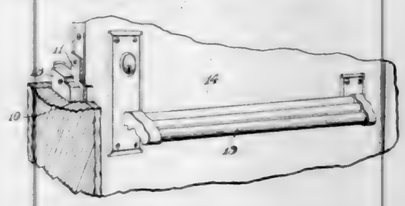
1,564,184. STRIKE FOR DOORLOCKS. CARL J. PRINZLER, Indianapolis, Ind., assignor to Vonnegut Hardware Company, Indianapolis, Ind., a Corporation of Indiana. Filed June 3, 1925. Serial No. 34,657. 1 Claim. (Cl. 292—200.)



A door bolt strike comprising a main body having a rigid strike portion adapted to co-act with a movable lock element, a second strike portion supplementing the first strike portion, and means for yieldingly holding said second strike portion in normal bolt resisting position.

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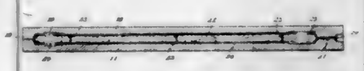
1,564,185. METHOD OF CASTING RADIATOR SECTIONS AND THE LIKE. CHARLES B. SEEM, Williamsport, Pa. Original application filed Oct. 7, 1924. Serial No. 742,141. Divided and this application filed Apr. 27, 1925. Serial No. 26,209. 1 Claim. (Cl. 22—200.)



A method of producing metal castings consisting in first carbonizing the cavities of a metal mold; second placing inserts in the core of the mold adapted to hold the core in position but primarily to act as supporting braces for the cast walls; third heating the mold to prevent chilling; fourth pouring metal into the mold and lastly removing the core from the casting when solid permitting the inserts to remain in the casting.

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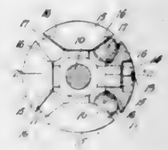
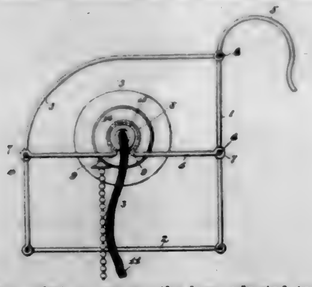
1,564,186. FLEXIBLE COUPLING. CLARENCE WINFRED SPICER and GURDON LUCIUS TARBOX, Plainfield, N. J., assignors to Spicer Manufacturing Corporation, a Corporation of Virginia. Filed July 16, 1924. Serial No. 726,358. 5 Claims. (Cl. 64—96.)



1. A flexible shaft coupling comprising two oppositely disposed hub members carrying a plurality of projections, members carried by these projections provided with bowl shaped cavities, balls of rubber or similar material disposed in said cavities and operating to flexibly connect the two parts of the coupling, means to radially move the aforesaid members whereby the compression of the balls may be regulated.

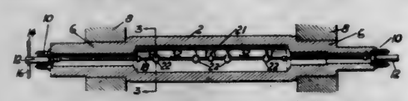
a lamp socket, said loop being provided with a mouth through which is adapted to be passed the conductor



cord of the socket, a cam on the loop adapted to engage the usual set screw on the nipple for forcing the nipple tight against the loop.

---

1,564,171. MILL-ROLL-COOLING DEVICE. ROY W. BROWN, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 16, 1923. Serial No. 651,699. 18 Claims. (Cl. 18—2.)



1. A device for cooling a roll having an annular opening therein comprising means for conducting a cooling fluid into the opening, and means for directing the fluid against the inner surface of the roll and contra to the direction of rotation of the roll.

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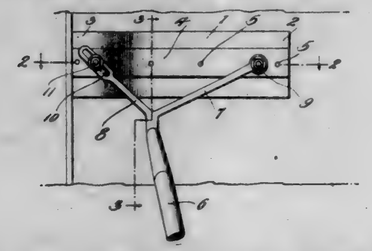
1,564,172. CEMENT TROWEL. EDWARD HARMAN BUSCH, Kendallville, Ind. Filed June 18, 1925. Serial No. 38,047. 3 Claims. (Cl. 94—45.)



1. A cement working tool comprising a resilient plate whose ends are relatively offset and adapted to be extended or retracted by springing the plate into different shapes, a tie member connected to one end of the plate, and means adjustably connecting the other end of said plate with said tie member to hold the plate in any shape to which it is sprung.

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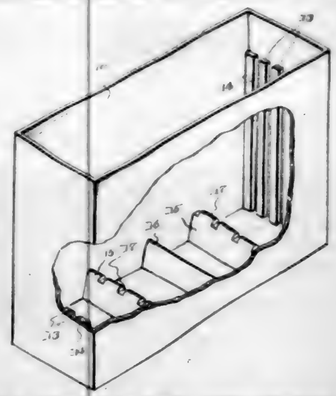
1,564,173. STORAGE-BATTERY COMPARTMENT. SIDNEY CHARLES FORD and WILLIAM ALFRED SHULER, New Orleans, La. Filed Mar. 3, 1924. Serial No. 696,578. 1 Claim. (Cl. 136—166.)

In a battery cell, vertically disposed spaced ribs extending along opposite walls of the cell, the ribs of one wall being offset laterally with respect to the ribs of the opposite wall and defining relatively offset grooves for receiving the edges of the cell elements, spaced vertically disposed ribs extending transversely of the bottom of the cell, and the last mentioned ribs being transversely notched to receive the lower edges of the cell elements, the notches of the transverse ribs being ar-



ranged in alignment to singly receive alternate cell elements and the notches of the opposed walls being arranged to receive alternate pairs of cell elements.

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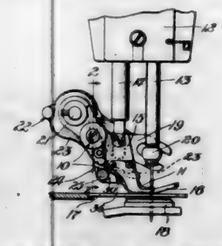
1,564,174. SPRING STRUCTURE FOR SEWING MACHINES AND THE LIKE. THOMAS J. HAYES, East St. Louis, Ill., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co., a Corporation of Maine. Filed Apr. 27, 1923. Serial No. 635,006. 6 Claims. (Cl. 267—69.)



1. The combination with a suitable support and a working part of a high speed machine, of a spring structure for moving said working part comprising a wire spring having a butt-coil adapted to be contracted and a working extension therefrom that is connected to said working part, a barrel engaging the exterior only of said butt-coil and snugly investing said coil, and means for securing said barrel to said support.

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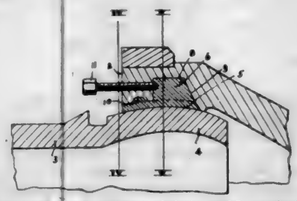
1,564,175. FLEXIBLE PIPE JOINT. CHARLES J. P. HOEHN, San Francisco, Calif., assignor to The Enterprise Foundry Co., San Francisco, Calif., a Corporation of California. Filed Apr. 1, 1924. Serial No. 703,534. 8 Claims. (Cl. 285—91.)



1. In a ball and socket joint, said socket provided with a space adjacent the ball and having pockets opening therefrom adapted to receive packing material,

each pocket and having an axis of compressive movements at all times clear of the ball joint.

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1,564,176. FUEL-SAVING DEVICE. FRANK S. MILLER, St. Louis, Mo. Filed Feb. 28, 1925. Serial No. 12,328. 1 Claim. (Cl. 126—285.)

A fuel saving device of the kind described, comprising a sleeve adapted to have one end of same inserted in the stove pipe opening of a flue, a bar reciprocatingly mounted on said sleeve, a member carried by said bar, and proportioned so that it can be introduced through said stove pipe opening and disposed so that it extends substantially parallel to the longitudinal axis of the flue, a manually-operable means for adjusting said bar during the operation of installing the device so as to enable said member to be set in the proper position with relation to the inner end of said sleeve, and means for preventing said bar from being moved in one direction far enough to cause said member to act as a closure for the end of said sleeve.

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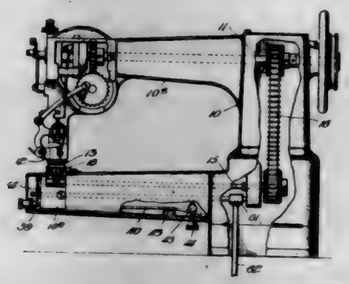
1,564,177. WORK-HANDLING MECHANISM FOR SEWING MACHINES. CHARLES W. MUELLER, St. Louis, Mo., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co., a Corporation of Maine. Filed Apr. 30, 1923. Serial No. 635,458. 25 Claims. (Cl. 112—178.)



1. In a sewing machine, an abutment against which the work is to be pressed, a feed system movable relatively thereto comprising two relatively-movable elements being a clamped member capacitated for movement toward and from the abutment and a feed member capacitated for four-way movement relative to said abutment, yielding means acting on said system to press said elements toward the abutment, a single operating shaft, and means operated from said shaft for imparting to said clamp member and said feed member their respective movements relative to said abutment.

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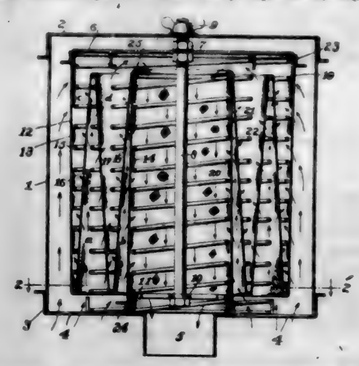
1,564,178. AIR CLEANER FOR AUTOMOBILE ENGINES AND THE LIKE. FREDERICK STRATTNER OREM, Baltimore, Md. Filed May 29, 1924. Serial No. 716,787. 2 Claims. (Cl. 183—71.)

1. In an air cleaner for automobiles, a casing having two opposed supports, a spiral spring seated on one support and extending towards, but free from contact with the other support, a spiral spring seated on said other support and extending towards but free from contact with the first support, said springs being concentric with each other, a tubular fabric supported at its oppo-

portion extending over the said springs in zig-zag form,



said casing having an inlet and an outlet for air, the said fabric being interposed between the inlet and outlet, substantially as described.

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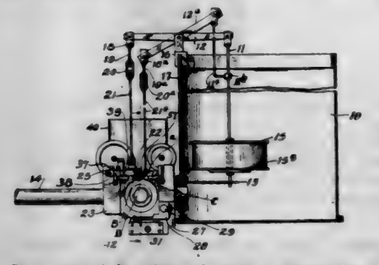
1,564,179. CONTROL FOR PIPES OF TANKS. HERBERT L. RIDENOUR, Hicksville, Ohio. Filed June 15, 1925. Serial No. 37,271. 3 Claims. (Cl. 137—68.)



2. In a control for pipes of tanks, a supporting frame adapted for attachment to a discharge pipe of an oil tank associated with a valve for such pipe, mechanism for moving the valve to an open and a closed position, a suitably operated valve arresting means, a float in the tank the gravity of which communicates motion to the valve arresting means, and an auxiliary device operated by the buoyancy of the float for communicating motion to the valve operating arresting means.

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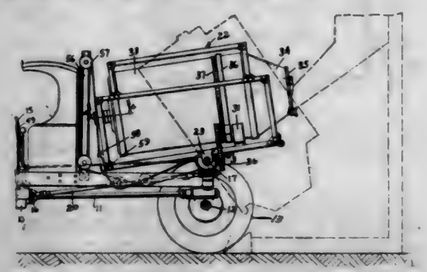
1,564,180. CONCRETE-HANDLING MACHINE. CARL L. WILLARD, Lynwood, Calif. Filed June 4, 1925. Serial No. 34,797. 7 Claims. (Cl. 83—73.)



1. In combination with a self-propelled vehicle, a concrete mixer barrel tiltably mounted upon the vehicle, means for rotating the mixer barrel by the propelling

means on the vehicle whereby the mixer may be operated while the vehicle is traveling, and means operable by the propelling means upon the vehicle for tilting the mixer barrel and returning it to its normal position while the mixer barrel is being rotated.

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1,564,181. MANUFACTURE OF BRAN FOOD. JOHN LEONARD KELLOGG, Battle Creek, Mich., assignor to Kellogg Company, Battle Creek, Mich., a Corporation of Delaware. Filed Oct. 26, 1922. Serial No. 597,176. 8 Claims. (Cl. 99—11.)

1. A process for the preparation of a bran food, which comprises moistening a mixture of bran and an agent containing diastatic enzymes, converting the bran starches of the moistened mixture into malt sugars, by subjecting the same to heat, and then cooking, drying, disintegrating and toasting the converted product.

6. A bran food consisting preponderantly of bran, malt and malt sugars in a cooked, dried and disintegrated condition.

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1,564,182. WEATHER STRIP. ALBERT A. MORSE, Chicago, Ill., assignor to Athey Company, a Corporation of Illinois. Filed Apr. 14, 1924. Serial No. 706,277. 2 Claims. (Cl. 20—69.)

1. A weather strip comprising a metal sheath partially folded for straddling an object, whereby two spaced flanges are provided; the longitudinal edges of the metal forming said sheath being spaced apart upon the exterior side of one of said flanges, and a pad confined in said sheath and projecting between said spaced edges.

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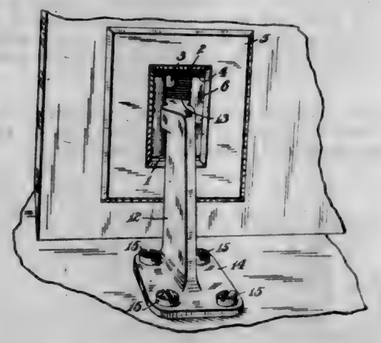
1,564,183. DOOR HOLDER. CARL J. PRINZLER, Indianapolis, Ind., assignor to Vonnegut Hardware Company, Indianapolis, Ind., a Corporation of Indiana. Filed Aug. 15, 1924. Serial No. 732,231. 3 Claims. (Cl. 292—17.)



1. A door holder comprising a cup arranged to be counter-sunk in a door, a U shaped spring having its legs contracted to form clips and its base secured to the bottom of said cup, mounted within said cup, a face plate for said cup, rearwardly extending lugs on the back of said face plate telescoping the sides of the cup, securing means extending through the sides of the cup and said lugs for fastening the plate and cup together and rearwardly extending screw threaded bosses on the rear face of said plate to receive screws for securing the same in position on the door, said screws being inserted from the opposite face of the door.

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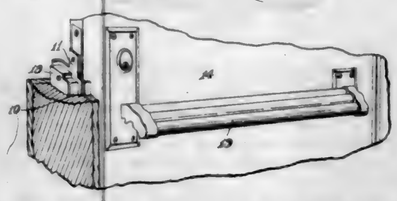

A door bolt strike comprising a main body having a rigid strike portion adapted to co-act with a movable lock element, a second strike portion supplementing the first strike portion, and means for yieldingly holding said second strike portion in normal bolt resisting position.

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1,564,185. METHOD OF CASTING RADIATOR SECTIONS AND THE LIKE. CHARLES B. SEEM, Williamsport, Pa. Original application filed Oct. 7, 1924, Serial No. 742,141. Divided and this application filed Apr. 27, 1925. Serial No. 26,209. 1 Claim. (Cl. 22—200.)

A method of producing metal castings consisting in first carbonizing the cavities of a metal mold; second placing inserts in the core of the mold adapted to hold the core in position but primarily to act as supporting braces for the cast walls; third heating the mold to prevent chilling; fourth pouring metal into the mold and lastly removing the core from the casting when solid permitting the inserts to remain in the casting.

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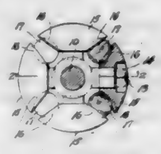

1. A flexible shaft coupling comprising two oppositely disposed hub members carrying a plurality of projections, members carried by these projections provided with bowl shaped cavities, balls of rubber or similar material disposed in said cavities and operating to flexibly connect the two parts of the coupling, means to radially move the aforesaid members whereby the compression of the balls may be regulated.

Patents Nos. 1,564,187 to 1,565,238.

# THE OFFICIAL GAZETTE OF THE United States Patent Office.

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| Trade-Marks | 338—No. | 206,552 to No. | 206,879, inclusive. |
| T. M. Renewals | 90 | | |
| Labels | 38—No. | 29,591 to No. | 29,628, inclusive. |
| Prints | 20—No. | 8,427 to No. | 8,455, inclusive. |
| Reissues | 3—No. | 15,221 to No. | 15,223, inclusive. |
| Designs | 61—No. | 88,944 to No. | 89,004, inclusive. |
| Patents | 1,052—No. | 1,564,187 to No. | 1,565,238, inclusive. |
| Total | 1,601 | | |

## ADJUDICATED PATENTS.

(D. C. N. Y.) The Kelner and Worms design patent, No. 43,459, for necktie, *Held* lacking invention. *Franklin Knitting Mills* v. *Gropper Knitting Mills*, 7 F. (2d) 381.

(C. C. A. N. Y.) The Gold patent, No. 886,969, for heating railway cars, *Held* invalid. *Vapor Car Heating Co.* v. *Gold Car Heating & Lighting Co.*, 7 F. (2d) 284.

(C. C. A. Conn.) The Burge patent, No. 930,527, for automatically-adjustable insulator house fixture, *Held* valid and infringed. *Line Material Co.* v. *Brady Electric Mfg. Co.*, 7 F. (2d) 48.

(C. C. A. Del.) The Smith patent, No. 943,280, for process of converting copper matte, *Held* valid and infringed. *United Verde Copper Co.* v. *Peirce-Smith Converter Co.*, 7 F. (2d) 13.

(D. C. N. Y.) The Bruckman patent, No. 1,071,027, for ice-cream-cone machine, claims 2, 3, 7, 23, 25, 33, 34, 35, 36, 64, 66, 67, and 69 *Held* valid and infringed. *McLaren Products Co.* v. *Cone Co. of America*, 7 F. (2d) 120.

(C. C. A. Ohio.) The Greenleaf patent, No. 1,068,069, for detonating device, claim 2 *Held* valid and infringed, claims 1 and 4 *Held* not infringed, and claim 5 *Held* invalid for lack of invention. *Safety Automatic Toy Co.* v. *Edwards Mfg. Co.*, 7 F. (2d) 92.

(C. C. A. Ohio.) The Baker patent, No. 1,095,775, for demountable-tire-carrying rims, claims 1, 2, 6, and 9 *Held* not infringed. *Universal Rim Co.* v. *Firestone Tire & Rubber Co.*, 7 F. (2d) 24.

(C. C. A. Calif.) The Wilson and Sumner patent, No. 1,203,295, for can-heading machine, claims 2 and 4 *Held* valid and infringed. *Angelus Sanitary Can Mach. Co.* v. *Wilson*, 7 F. (2d) 314.

(C. C. A. Pa.) The Ritts patent, No. 1,258,248, for a furnace for steam boilers, claims 1 and 3 *Held* not infringed. *Ladd* v. *W. & H. Walker*, 7 F. (2d) 72.

(C. C. A. N. Y.) The Lane patent, No. 1,300,178, for process for production of moving-picture text in white letters on black background, *Held* valid. *Lane* v. *Craftsmen Film Laboratories*, 7 F. (2d) 288.

(C. C. A. Pa.) The Stock patent, No. 1,339,299, for amusement device, claims 3 and 4, if valid, *Held* not infringed. *Stoehrer & Pratt Dodgem Corporation* v. *Lusse Bros.*, 7 F. (2d) 87.

(C. C. A. Me.) The Lionne patent, No. 1,339,462, for process of protecting white shoes during manufacture *Held* void for want of invention. *Lionne Co.* v. *Cushman-Hollis Co.*, 7 F. (2d) 83.

(C. C. A. Pa.) The Stoehrer patents, for motor-driven-car amusement device, claims 1 and 9 of No. 1,373,108 and claims 1 and 2 of No. 1,467,959 *Held* valid, but not infringed. *Stoehrer & Pratt Dodgem Corporation* v. *Lusse Bros.*, 7 F. (2nd) 87.

(C. C. A. Ohio.) The Hug patent, No. 1,421,237, for subgrading machine, *Held* invalid for lack of invention. *Hug* v. *Lakewood Engineering Co.*, 7 F. (2d) 98.

(C. C. A. R. I.) Finding on conflicting oral evidence that Blanchard patent No. 1,467,468 was not anticipated *Held* not clearly wrong. *Payton* v. *Ideal Jewelry Mfg. Co.*, 7 F. (2d) 113.

(C. C. A. Pa.) The Stoehrer patent, No. 1,478,979, for a system of electrically-charged ceilings and floors for transmitting power to amusement vehicles on the floor, *Held* not to involve invention. *Stoehrer & Pratt Dodgem Corporation* v. *Lusse Bros.*, 7 F. (2d) 87.

## Condition of Applications Under Examination at Close of Business November 27, 1925.

| Room No. | (Total number of applications awaiting action, excluding Trade-Mark Division, 39,462; Trade-Mark Division, 1,937. Oldest new case, May 10, 1925; oldest amended, May 15, 1925. The dates given are 1925.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS. | Oldest new application and oldest action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
|---|---|---|---|---|
| 112 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders. | Sept. 16 | Sept. 18 | 581 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | July 13 | July 19 | 513 |
| 331 | 3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | Oct. 2 | Aug. 31 | 508 |
| 234 | 4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists. | Aug. 31 | Sept. 11 | 497 |
| 108* | 5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | June 30 | June 30 | 849 |
| 318 | 6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | Aug. 21 | Aug. 21 | 908 |
| 106 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | Sept. 5 | Sept. 2 | 772 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture | Sept. 4 | Sept. 4 | 1,186 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | Aug. 12 | July 20 | 626 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | July 27 | Sept. 1 | 932 |
| 148* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | Aug. 20 | Aug. 26 | 758 |
| 380 | 12. PIERCE, P. P., Machine Elements | Aug. 6 | Aug. 7 | 660 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | Aug. 14 | Sept. 12 | 579 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | July 20 | Aug. 20 | 781 |
| 329 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | Aug. 21 | Aug. 25 | 666 |
| 242* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | July 24 | Aug. 8 | 899 |
| 307 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | Aug. 29 | Sept. 16 | 355 |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | July 7 | July 1 | 709 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | July 22 | Oct. 9 | 475 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches, Safes, Undertaking. | Aug. 31 | Sept. 8 | 668 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | July 27 | Sept. 14 | 470 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Sept. 9 | Sept. 11 | 356 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | July 2 | July 13 | 358 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Sept. 21 | Sept. 25 | 335 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | Aug. 13 | Aug. 21 | 739 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | June 1 | June 8 | 749 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | Sept. 28 | Oct. 5 | 486 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Sept. 28 | Sept. 28 | 661 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | May 10 | May 15 | 1,218 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | Aug. 6 | Sept. 10 | 916 |
| 312 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | Sept. 26 | Sept. 9 | 646 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | July 28 | July 31 | 579 |
| 152 | 33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Oct. 5 | Oct. 5 | 610 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders. | July 14 | July 21 | 637 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | Aug. 28 | Sept. 22 | 594 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | July 29 | Aug. 31 | 997 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | July 13 | July 11 | 840 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells. | June 30 | July 1 | 881 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | Aug. 17 | Sept. 19 | 421 |
| 269 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | Aug. 8 | Aug. 11 | 1,198 |
| 125 | 41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | Sept. 1 | Aug. 8 | 420 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling | June 20 | June 17 | 1,234 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | Aug. 19 | Aug. 24 | 713 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | July 2 | June 2 | 826 |
| 379 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | Aug. 3 | Sept. 2 | 596 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | Aug. 24 | Aug. 14 | 584 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power-Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | July 16 | July 20 | 1,151 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications | June 27 | June 29 | 1,568 |
| 239 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification | Aug. 4 | Aug. 21 | 703 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | July 15 | July 28 | 1,062 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | July 13 | July 14 | 1,552 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | Sept. 28 | Sept. 28 | 481 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens. | Sept. 8 | Sept. 17 | 655 |
| 102 | DESIGNS: C. O. MARKHAM (Acting) | Nov. 9 | Nov. 9 | 305 |
| 163 | TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR. (Trade-Marks | Oct. 24 | Nov. 9 | 1,825 |
| | (Labels and Prints | Nov. 6 | Nov. 17 | 112 |

*Refers to room numbers in the annex.



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Commissioner's Decisions.

### EX PARTE GILMAN.

*Decided July 25, 1924.*

CLAIMS—COMPREHENSIVE WORDS AND PHRASES—"MEANS," "MECHANISM," ETC.—SECTION 4888, REVISED STATUTES.

Claims drawn to a tool and a single means "for imparting to said tool * * * impacts to cause it to form a hole, and * * * impacts causing the same to move outwardly from said hole" cover all possible means for operating the tool and do not point out appellant's invention with sufficient particularity and distinctness to meet the requirements of section 4888, Revised Statutes. For this reason they are unpatentable.

Note.—This application has resulted in Patent No. 1,548,455, August 4, 1925.

Application for patent.

APPEAL from Examiners in Chief.

HAMMER DRILLS.

Application filed March 25, 1916, Serial No. 86,814.

*Mr. Horace L. Rockwell* for the applicant.

KINNAN, *First Assistant Commissioner:*

This is an appeal from the decision of the Examiners in Chief affirming the final rejection by the Primary Examiner of claims 28 and 29.

The invention relates to a hole-forming device. The particular device disclosed in the application closely resembles that disclosed in appellant's Patent No. 1,126,628. It comprises a pneumatic hammer having a tool-retaining yoke engageable with the tool in front of its chuck-engaging shoulder. In the patent the yoke is for the purpose of preventing the tool from being ejected from the chuck by the reciprocating piston when the tool is out of engagement with the work. In the application the yoke is positioned more closely to the tool shoulder than it is in the patent. This arrangement prevents the shank end of the tool from moving beyond the path of the piston. This is advantageous in withdrawing the tool from a drilled hole, since in said withdrawing operation the tool is subjected to a hammering operation, which tends to loosen it in case it sticks in the hole. Similar mountings for the yokes are disclosed in the patent and in the instant application. The yoke ends are pivotally and yieldingly mounted upon the side rods of the hammer. The yielding means permit the yoke to be driven forward slightly by the tool and then react to force the tool rearwardly. It is this reaction that appellant relies upon for producing the impacts which cause the outward movement of the tool from the hole, as defined in the claims on appeal. The claims read as follows:

28. In a hole forming mechanism, a hole forming tool, and means for imparting to said tool a series of impacts to cause it to form a hole, and during withdrawal from a hole formed, and in the event of sticking in said hole, a series of impacts causing the same to move outwardly from said hole.

29. In a hole forming mechanism, a hole forming tool, and means for imparting to said tool at least one impact to form a hole and during withdrawal from a hole formed at least one impact causing the steel to move outwardly from the hole.

The Examiner held these claims anticipated by the patent to Murphy, No. 834,153, since they do not positively include any structure following the word "means" in line 2. Murphy attaches a collar at the front side of the tool shoulder and yieldingly attaches it by means of springs to another collar fastened on the tool end of his hammer cylinder. His purpose is the same as that of appellant—i. e., to hold the shank end of the tool in the path of the piston during the tool-withdrawing movement, so that the tool will be subjected to a hammering action tending to loosen it in the hole.

Appellant contends that since Murphy's collar is described as tightly clamped on the tool it and the connecting springs can not subject the tool to withdrawing impacts. It is believed that if such impacts occur in the operation of appellant's device they are very small, since the mass of the springs is not relatively great and their momentum would not carry the shoulder-engaging part more than a very limited distance beyond the drill shoulder, and their return impact would be slight. It is believed a similar and even increased effect would take place in the use of Murphy's device. The mass of his collar 18, 19 is relatively greater. Perhaps the abutting instead of tightly clamping connection between the tool and yoke in appellant's device augments these impacts, but the principle of operation is broadly the same in the two devices. In practice even if Murphy's clamp were reasonably tight at first wear would soon take place or some drills would be very slightly smaller, with the result that the drill would soon slip in the collar. The latter has no adjusting means. If the claims set forth any difference, and it is not believed they do, they fail to include any structure by which appellant accomplishes his alleged new result and do not for this reason patentably distinguish over the Murphy patent.

Indeed the claims in substance are drawn to a single means for operating a hole-forming tool in the manner defined. They cover all possible means for so operating the tool and do not point out appellant's invention with sufficient particularity and distinctness to meet the requirements of section 4888, Revised Statutes. *Ex parte Bitner*, 140 O. G. 256; 1909 C. D. 32; *In re Gardner*, 140 O. G. 258; 1909 C. D. 306; 32 App. D. C. 249. They are also unpatentable for this reason.

It is further noted that the appealed claims do not require the tool to be struck by the piston

during the withdrawal movements. They fail to distinguish from what appellant states on page 2 of his brief is an old mode of operation of prior devices—i. e., the running of the motor to set up vibrations as the tool is withdrawn. They are also unpatentable in view of the Gilman patent for this reason.

The decision of the Examiners in Chief is affirmed.

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EX PARTE LINDSAY.

*Decided November 17, 1924.*

NEW MATTER—CLAIMS NOT SUPPORTED BY ORIGINAL DISCLOSURE.

Where a fabric is first impregnated with a fireproofing solution and then after it dries is treated with a waterproofing solution, and the specification and claims covering the invention contained no suggestion when filed of a composition consisting of ingredients of the two solutions, *Held* that claims covering such a mixture were not supported by the original disclosure.

Note.—This application has resulted in Patent No. 1,523,813, January 20, 1925.

Application for patent.

APPEAL from the Examiners in Chief.

FIREPROOF FABRIC AND PROCESS OF MAKING SAME.

Application filed December 14, 1917, Serial No. 207,116.

*Messrs. Edwards, Sager & Bower* for the applicant.

KINNAN, *First Assistant Commissioner:*

This is an appeal from the decision of the Examiners in Chief affirming the action of the Primary Examiner in finally rejecting claims 14, 15, and 18 to 22, inclusive, and requiring cancellation of the first single-spaced paragraph in the amendment filed on March 6, 1923.

The invention relates to a fireproof fabric suitable for use for various purposes, but particularly for use on airplane frames, and to the process of making the same. The fabric is secured to the frame with the ordinary degree of tightness and is then impregnated with a solution of ammonium phosphate, which renders it fireproof. The impregnated fabric is permitted to dry and is then treated with a solution of cellulose acetate and tricresylphosphate. This coating on drying shrinks the fabric and forms a tough pliable waterproof surface. The application discloses the use of either pyroxlin or cellulose acetate, but its claims involve the latter. It is not necessary to use as much tricresylphosphate with the acetate as with the nitrate. The application states that even none of the tricresylphosphate may be required with the acetate because acetyl cellulose alone is a substance of low inflammability.

The claims on appeal are drawn to mixtures contining more or less of the ingredients used in the separately applied solutions. The following claims will serve as examples:

14. A mixture comprising a cellulose ester and an aromatic phosphate and in close association therewith a fire retarding constituent adapted to give off a fire smothering gas in sufficient quantity to act effectively as a fire retarder.

18. A mixture comprising cellulose acetate and ammonium phosphate.

The principal ground of rejection taken is that the claims are not supported by the original disclosure, although claims 18, 21, and 22, which include only one fireproofing ingredient, were additionally rejected on the British patent to Dime, No. 17,497 of 1898.

The appealed claims are drawn to cover the composition formed by mixing the waterproofing and fireproofing ingredients prior to application to the fabric, as disclosed in the amendatory matter which the Examiner required to be canceled. The original disclosure contains no suggestion of such a composition, but appellant contends that the outer coating mixes to such extent with the previously-applied ammonium phosphate when the two are separately applied that the "mixture" claims on appeal are readable on the coated fabric prepared in the manner originally disclosed. The attempt to read these claims on the original disclosure is believed to require a too strained construction of the word "mixture". It seems clear that there is no such intermingling of the ammonium phosphate with the ingredients of the outer coating as would justify the claiming of the superposed layers as mixtures. It is believed the Examiners in Chief correctly held that the claims on appeal are not supported by the original disclosure and that the first single-spaced paragraph of the amendment filed on March 6, 1923, contains new matter and should be canceled.

It is not considered that claims 18, 21, and 22 patentably differentiate from the reference Dime. As pointed out above, these claims recite only one fire-reducing ingredient, and the ingredients disclosed in the reference are at least the equivalent of those recited in these claims.

Claim 21 was regarded as indefinite. It is broader than the original disclosure. The applicant has not disclosed that any of the large number of known plastic cellulose materials having less inflammability than pyroxylin will be useful for the purposes described, but has only disclosed two substances belonging to this large class. The claim is unpatentable, therefore, for this reason.

Appellant has presented in his brief a claim drawn to an article to overcome the ground of rejection advanced against his "mixture" claims. The claim reads:

An article having a surface of tough, plastic material, composed of cellulose acetate plasticized by an aromatic phosphate, said material containing as a fire retarding agent, ammonium phosphate.

This claim appears patentable over the cited art and supported by the original disclosure. In the absence of new references or reasons presented by the Examiner it will be allowed if presented by proper amendment and before appeal to the court from this decision, if such appeal is to be taken.

The decision of the Examiners in Chief is affirmed.



FITZPATRICK BROTHERS *v.* B. HELLER & COMPANY.

*Decided October 31, 1925.*

1. TRADE-MARKS—ACT OF 1920—PURPOSE OF—MARKS REGISTRABLE THEREUNDER.

In order to place our citizens on the same footing as foreigners with respect to several classes of marks which might lawfully be used, but which were refused registration under the act of 1905, such as descriptive words, geographical words, names of individuals, corporations, etc., the act of March 19, 1920, was passed, providing for registration of trade-marks which were not against public policy and which are forbidden registration under the act of 1905.

2. SAME—SAME—SALIENT FEATURES OF—AUTHORITIES REVIEWED.

It has been held with respect to this act that—

(*a*) A descriptive mark may be registered.

(*b*) A corporation name may be registered.

(*c*) Registrations may be granted without publication for opposition.

(*d*) There is no provision for interferences.

(*e*) Marks may be canceled in a manner similar to cancellation proceedings under the act of 1905.

(*f*) The mark must have been in exclusive use for one year prior to the application for registration.

(*g*) The mark must have been used as a trade-mark.

(*h*) A label is not registrable.

(*i*) Registrations possess substantially all the attributes of registration under the act of 1905 excepting that they do not become prima facie evidence of ownership of the mark.

(*j*) Registrations may be assigned.

(*k*) The decision of the Commissioner of Patents is final.

(*l*) A mark for use on goods of the same descriptive properties and similar to the mark of another may not be registered.

(*m*) A mark may not be registered if it includes the mark of another used on similar goods.

3. SAME—DESCRIPTIVE PROPERTIES—CLEANING AND WASTE-PIPE-OPENING POWDERS.

A powdered mixture of soap and sand intended for cleaning and scrubbing has substantially the same descriptive properties as a waste-pipe opener which is a powder, but very much more vigorous in its action than mere soap, and which is not particularly adapted to cleaning and scrubbing, while the mixture of soap and sand may not open stopped-up drains.

4. SAME—DECEPTIVE SIMILARITY.

Where the subject matter of two marks is the same and to the casual observer there probably will remain more impression of similarity than of difference, the use of both by different owners on the same class of goods would be confusing notwithstanding the fact that one is distinguishable from the other on careful examination.

APPEAL from Examiner of Interferences.

Cancellation No. 1,110 of trade-mark registration of B. Heller & Company issued July 29, 1924, No. 187,334.

WASTE PIPE AND DRAINPIPE.

*Mr. J. H. Jochum, jr.*, for Fitzpatrick Brothers.

*Mr. C. N. Leach* for B. Heller & Company.

FENNING, *Assistant Commissioner:*

Fitzpatrick Brothers appeal from the action of the Examiner of Interferences dismissing their petition to cancel Trade-Mark No. 187,334, registered under the act of March 19, 1920, on July 29, 1924, for waste pipe, drainpipe, and sink opener and cleaner. The mark consists of the words "$1000.00 Guaranteed Ozo Waste Pipe Cleaner," below which in a fancifully-shaped panel appears the picture of a kitchen sink into which a maid standing before a window is shaking a box of registrant's goods. Registrant alleges that it also owns registrations Nos. 144,659, 108,515, 108,514, 111,727, 106,958, by which it has registered various parts of the mark here in issue. One registration, for instance, is merely "Ozo;" another, "$1000.00 Guaranteed."

It appears that petitioners own trade-mark registrations Nos. 107,516, 114,233, 144,215, 145,360. Petitioners particularly rely upon the fact that they manufacture a cleaning powder made up largely of fine sand and soap, which they sell in a package marked "Kitchen Klenzer," a single initial "K" being used for both words, below which is a picture of a kitchen, including a stove, a water boiler, a sink, a clock, and a table on which are some pans and a package of petitioner's goods. Within the kitchen is the representation of a maid looking at her reflection in the polished bottom of a pan. The label was used prior to any date set up by registrant.

[1] Since the certificate of registration here involved was issued under the act of 1920, it is of interest to consider that act. The legislative history of the act is set out in *Ex parte Calumet Steel Company*, 339 O. G. 761. There were several classes of marks which might lawfully be used, but which were refused registration under the act of 1905, such as descriptive words, geographical words, names of individuals, corporations, etc. The courts sometimes give protection to those marks, and in many foreign countries they are registrable marks. In order to place our citizens on the same footing as foreigners with respect to those marks (*Postum Cereal Co.* v. *California Fig Nut Co.*, 313 O. G. 454; 1923 C. D. 43), the act of March 19, 1920, was passed providing for registration of trade-marks which were not against public policy and which are forbidden registration under the act of 1905. (*Ex parte Reo Motor Car Company*, 341 O. G. 4; *Caulk Co.* v. *Garhard Dental Specialty Co.*, 338 O. G. 969; *Ex parte Pitney-Bowes Postage Meter Co.*, 146 MS. Dec. 149.)

[2] (*a*) A descriptive mark may be registered. *Wright* v. *Sar-A-Lee Co.*, 328 O. G. 787; 1924 C. D. 114.

(*b*) A corporation name may be registered. *Certain-teed Products Corporation* v. *Clark*, 337 O. G. 476; *American Stove Co.* v. *Lackawanna Foundry Co.*, 338 O. G. 970; *Ex parte Gallaher, Limited*, 340 O. G. 842.

(*c*, *d*) These registrations are granted without publication for opposition, and there is no provision for interferences with respect to them. *Lincoln Paint and Color Co.* v. *American Paint Works*, 318 O. G. 3; 1924 C. D. 1; *State Oil* v. *Hickok Producing Co.*, 313 O. G. 231; 1923 C. D. 40.

(*e*) They may be canceled, however, in a manner similar to cancellation proceedings under the act of 1905. *Dr. S. A. Richmond Nervine Co.* v. *Dr. Miles Medical Co.*, 313 O. G. 3; 1923 C. D. 36; *Climax Rubber Co.* v. *U. S. Compression Inner Tube Co.*, 313 O. G. 453; 1923 C. D. 41.

(*f*) In order to be eligible for registration under the act of 1920 the mark must have been in exclusive use for one year prior to the application for registration. *Postum Cereal Co.* v. *California Fig Nut Co.*, 313 O. G. 453; 1923 C. D. 43; *Nafziger Baking Co.* v. *Ward Bros.*, 324 O. G. 799; 1924 C. D. 162; *American Printing Ink Co., etc.*, v. *American Printing Ink Co., etc.*, 331 O. G. 486; *American Woodworking Machinery Co.* v. *American Saw Mill Machinery Co.*, 332 O. G. 491.

(*g, h*) In order to be registrable, however, the mark must have been used as a trade-mark. *Ex parte Marret et al.*, 308 O. G. 231; 1923 C. D. 16; *Ex parte Keyless Auto Clock Co.*, 309 O. G. 223; 1923 C. D. 25; *Ex parte Maginley*, 329 O. G. 264; 1924 C. D. 145; *Ex parte Ashaway Line & Twine Mfg. Co.*, 329 O. G. 264; 1924 C. D. 146; *Ex parte Silk Co.*, 329 O. G. 266; 1924 C. D. 150; *Ex parte Greening Nursery Co.*, 340 O. G. 840; *International Shoe Co.* v. *Niagara Shoe Co.*, 340 O. G. 838; *Ex parte Calumet Steel Company*, 339 O. G. 761; *Ex parte Holt*, 340 O. G. 557. A label is not registrable. *Ex parte Standard Oil Co.*, 328 O. G. 785; 1924 C. D. 110.

(*i*) While the original purpose of the bill which subsequently became the act of 1920 was to place the marks on the register for the purpose of allowing them to be registered abroad, there was also included in the law as passed legislation giving to registrations under the 1920 act substantially all the attributes of registration under the act of 1905, excepting that they do not become prima facie evidence of ownership of the mark. *Rouss Inc.* v. *Winchester*, 300 Fed. 706.

(*j*) The registrations of such marks may be assigned. *Coty* v. *Parfums, etc.*, 298 Fed. 865.

(*k*) The decision of the Commissioner of Patents is final, no provision being made by the act of 1920 for appeal to the Court of Appeals of the District of Columbia. *U. S. Compression Inner Tube Co.* v. *Climax Rubber Co.*, 312 O. G. 400; 1923 C. D. 211; 53 App. D. C. 370.

(*l, m*) A mark which is similar to the mark of another on goods of the same descriptive properties may not be registered. *Macy & Co. Inc.* v. *The Macey Co., Inc.*, 295 O. G. 463; 1922 C. D. 2; Opinion of the Solicitor, 277 O. G. 181; 1920 C. D. 89; *Interwoven Stocking Co.* v. *David Harris & Eisner*, 329 O. G. 11; 1924 C. D. 139; *Frolaset, etc., Co.* v. *Boyshform, etc., Co.*, 335 O. G. 539. A mark may not be registered under the act of 1920 if it includes the mark of another used on similar goods. *Ex parte Jacobs & Sons, Inc.*, 336 O. G. 754; *Montevallo Mining Co.* v. *Montevallo-Straven Coal Co.*, 336 O. G. 509.

In the present case we find petitioners urging that the registered mark must be canceled for the reason that it is applied to goods of the same descriptive properties as petitioners' mark and that the registered mark includes as a prominent part substantially the same mark as petitioners use.

[3] Specifically, petitioners urge that their goods, which consist of a powdered mixture of soap and sand intended for cleaning and scrubbing, are materials of substantially the same descriptive properties as the waste-pipe opener of registrant, which is a powder, but very much more vigorous in its action than mere soap, and is not particularly adapted to merely cleaning and scrubbing. I am unable to hold with registrant on this point. Both articles belong in the broad field of cleaning and scrubbing and, following the rule set out by the court of appeals in *E-Z Waist Co.* v. *Reliance Mfg. Co.*, 311 O. G. 709; 1923 C. D. 197; 52 App. D. C. 291, we must resolve doubts of the similarity of goods against the newcomer. It may be that petitioners' goods will not actually open stopped-up drains, and the evidence tends to indicate this, but that is not the controlling question here. There is a reasonable possibility of confusion of reputations among the public using the goods of the two parties. *Oppenheim, Oberndorf & Company, Inc.*, v. *President Suspender Company*, 332 O. G. 5; 8 Fed. (2d) 88. It is not necessary that actual confusion be proved. Some field must be left open for the extension of the business of petitioners.

[4] The picture employed by registrant is distinguishable on careful examination from that of petitioners. Nevertheless, the subject matter is the same, and to the casual observer there probably will remain more impression of similarity than of difference. Following the rule set down by the court of appeals in *Waltke & Co.* v. *Schafer*, 273 O. G. 630; 1920 C. D. 167; 49 App. D. C. 254, we must resolve any doubt we might have in this respect against the newcomer, who is the registrant.

In view of the possibility of confusion the petition for cancellation must be sustained.

The Examiner of Interferences is reversed.

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EX PARTE THE AMERICAN NEWS COMPANY, INC.

*Decided October 31, 1925.*

LABELS—DESCRIPTIVE OF GOODS—POSSIBILITY OF USE TO DESCRIBE SERVICE.

Where the applicant has presented a label "designed to be used for any other articles of manufacture" within section 3 of the act of June 18, 1874, the mere fact that after the articles of manufacture bearing the label pass out of applicant's possession the label may be used by the purchaser to indicate a library service can not affect his right to copyright protection.

ON APPEAL.

Application for registration of label for bookcases, bookracks, grouped book shelves and cases, racks, receptacles, and groups of shelves filled with books.

*Mr. Charles McC. Chapman* for the applicant.

FENNING, *Assistant Commissioner:*

This is an appeal from the action of the Examiner of Trade-Marks refusing to register as a label for bookracks, grouped book shelves and cases, racks, receptacles, and groups of shelves filled with books a two-colored placard bearing the words "Read Any Good Book Which You Can Rent by the Day or Week, the Readmore Lending Library, the Best Authors, Latest Fiction."



The Examiner's refusal is based on the ground that the specimens sought to be copyrighted are descriptive of services and not of articles of manufacture. It may be that the label includes some suggestion of service. It appears, however, that applicant does not use the label to indicate service rendered by it. Applicant is a distributor of newspapers, magazines, periodicals, and books. The label here involved is placed by applicant at the top of a bookcase. The bookcase is then sold for a cash consideration to a retail merchant. Generally with the bookcase is sold a number of books, on each of which is placed a paper cover, bearing the label. That is the end of the transaction so far as applicant is concerned, although applicant stands ready to furnish additional bookcases bearing the label or additional books bearing the label.

It seems clear that this procedure on the part of applicant indicates that it actually has presented a label "designed to be used for any other articles of manufacture" within section 3 of the act of June 18, 1874. The mere fact that after the articles of manufacture bearing the label pass out of applicant's possession the label may be used by the purchaser to indicate a library service can not affect applicant's right to copyright protection.

The Examiner of Trade-Marks is reversed, and the label will be accepted for registration.

Attention is called to the fact that the application for registration indicates that the label was first published on the first day of October, 1924. The notice of copyright carried by the label reads "Copyright 1925." Since the hearing applicant has filed papers attempting to correct this variation, which papers will be considered by the Examiner before the certificate of registration is issued.

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## PATENT SUITS.

[Notices under sec. 4921. R. S., as amended Feb. 18, 1922.]

738,635, 958,330, C. W. Sievert, Oil burner, suit filed Oct. 2, 1925, D. C. Kans. (2d Div.), Doc. E 391 N, *P. F. Gilbreath* v. *H. M. Dobbin et al.*

931,423, 931,424, Hesse, Gunther & Zart, Azo dye; 994,803, Unger & Thomaschewski, Dye; 1,150,675, O. Gunther, New azo dyestuff, suit filed Oct. 2, 1925, D. C., S. D. N. Y., Doc. E 34/9, *Grasselli Chemical Co.* v. *L. & R. Organic Products Co., Inc.*

931,424. (See 931,423.)

958,330. (See 738,635.)

994,803. (See 931,423.)

1,027,570, J. R. Sheldon, Comforter-filling machine; 1,270,411, Contrado, Swanson & Schwartz, Mattress-filling machine, suit filed Sept. 28, 1925, D. C. Mass., Doc. E 2484, *Triangle Kapok Machine Corpn.* v. *P. Baker.*

1,123,502, J. A. Dubbs, Treating oil; 1,392,629, C. P. Dubbs, Converting hydrocarbons; 1,484,445, same, Method of treating hydrocarbons; 1,488,325, same, Process for treating petroleum; 1,525,281, same, Method for treating petroleum; 1,546,634, same, Apparatus for treating petroleum; 1,517,830, Egloff & Benner, Carbonaceous fuel, suit filed Oct. 6, 1925, D. C. Me. (S. Div.), Doc. E 883, *Universal Oil Products Co.* v. *Empire Refineries, Inc.*

1,128,144. (See Re. 12,725.)

1,128,145. (See Re. 12,725.)

1,128,252. (See Re. 12,725.)

1,150,675. (See 931,423.)

1,169,380, L. Cohen, Self-adjusting hat conformer and retainer; 1,209,121, same, Combined hat lining and bandeau, suit filed Oct. 5, 1925, D. C., S. D. N. Y., Doc. E 32/22, *L. Cohen et al.* v. *Crescent Bandeau Co., Inc.*

1,209,121. (See 1,169,380.)

1,245,449, E. Edelmann, Syringe-hydrometer housing; 1,262,478, F. L. Freas, Hydrometer syringe, suit filed Oct. 7, 1925, D. C., M. D. Pa., Doc. 479, *E. Edelmann & Co.* v. *Scranton Glass Instrument Co., Inc.*

1,262,478. (See 1,245,449.)

1,274,992, F. Conrad, Starting system for automobiles; 1,470,737, C. H. Hodgkins, same; 1,363,630, Wilson & Parker, Dynamo-electric machine, suit filed Oct. 5, 1925, D. C., S. D. N. Y., Doc. E 34/42, *Westinghouse Electric & Mfg. Co.* v. *Scintilla Magneto Co., Inc.*

1,293,211. (See 1,388,898.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, patents held valid and infringed; defendant enjoined (notice dated Sept. 12, 1925), D. C. Oreg., Doc. E 8752, *The Bassick Mfg. Co.* v. *W. E. Burns.* Same, suits filed Oct. 3, 1925, D. C., S. D. N. Y., Doc. E 34/19, *The Bassick Mfg. Co.* v. *Champion Hy-Pressure Mfg. Co., Inc.;* and Doc. E 34/20, *The Bassick Mfg. Co.* v. *The Automotive Specialty Corp.*

1,307,733(a), A. V. Gullborg, Lubricating apparatus, suit filed Sept. 17, 1925, D. C., E. D. Wis., Doc. 1624 C D, *The Bassick Mfg. Co.* v. *D. Matras & Sons, Inc.*

1,307,734. (See 1,307,733.)

1,363,630. (See 1,274,992.)

1,370,411. (See 1,027,570.)

1,388,898, Schmidt & Schmidt, Carcass dehairing and cleaning machine; 1,388,899, O. C. Schmidt, same; 1,293,211, Schmidt, Naegelen & Kornman, Hog scraper, appeal filed Sept. 4, 1925, C. C. A. (7th Cir.), Doc. 3651, *The Cincinnati Butcher's Supply Co.* v. *Meier Packing Co.*

1,388,899. (See 1,388,898.)

1,392,629. (See 1,123,502.)

1,394,693, M. Swintek, Traveling screen for suction nozzle, suit filed Aug. 27, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5066, *M. Swintek* v. *W. H. K. Bennett.*

1,411,678, P. Walker, Folding paper box, suit filed Sept. 14, 1925, D. C., S. D. N. Y., Doc. E 33/270, *Chicago Carton Co.* v. *R. Gair Co.*

1,416,345, A. J. Gosselin, Vacuum filling machine, final decree; bill dismissed, also counterclaim,

Sept. 25, 1925, D. C., S. D. N. Y., Doc. E 25/124, *Standard Automatic Machine Co.* v. *The Karl Kiefer Machine Co.*

1,418,203, T. E. Pennock, Bottle-filling machine, final decree; bill dismissed, also counterclaim, Sept. 25, 1925, D. C., S. D. N. Y., Doc. E 26/291, *Standard Automatic Machine Co.* v. *The Karl Kiefer Machine Co.*

1,439,299, J. C. Doran, Shape-retaining means for hats, suit filed Feb. 19, 1925, D. C., S. D. N. Y., Doc. E 26/114, *J. C. Doran et al. (Doran Bros.)* v. *International Hatters Supply Co., Inc.* Final consent decree sustaining patent, and granting injunction Sept. 25, 1925. Same, discontinued on consent (notice dated Oct. 1, 1925), C. C. A. (2d Cir.), Doc. 8661, *J. C. Doran et al.* v. *International Hatters Supply Co., Inc.*

1,439,695, 1,439,696, H. W. Doughty, Inc., suit filed July 21, 1925, D. C., E. D. Tenn., Doc. E 40, *Alchemic Gold Co., Inc.*, v. *J. J. Little & Co., Inc.*

1,439,696. (See 1,439,695.)

1,458,834, C. R. Lott, Apparatus for producing charges of molten glass, cause dismissed without prejudice Sept. 30, 1925, D. C., S. D. Ohio (E. Div.), Doc. 323, *The Owens Bottle Co.* v. *The Federal Glass Co.*

1,469,712, F. F. Beeby, Process for conserving and repairing chimneys; 1,484,862, same, Chimney, order dismissing case without prejudice Sept. 25, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1609, *Cement Gun Construction Co.* v. *Cement Gun Co.*

1,470,524, H. B. Burt, Process of making frozen confections, suit filed Aug. 24, 1925, D. C., N. D. Ill., (E. Div.), Doc. 5064, *H. B. Burt* v. *Citrus Products Co. et al.*

1,470,737. (See 1,274,992.)

1,484,445. (See 1,123,502.)

1,484,862. (See 1,469,712.)

1,488,325. (See 1,123,502.)

1,503,819, J. Decker, Lock, suit filed Sept. 25, 1925, D. C., S. D. N. Y., Doc. E 33/358, *J. Decker* v. *Segal Lock & Hardware Co., Inc., et al.*

1,517,830. (See 1,123,502.)

1,525,281. (See 1,123,502.)

1,530,082, F. Hutter, Display, suit filed Sept. 24, 1925, D. C., S. D. N. Y., Doc. E 33/341, *The McCall Co.* v. *Pictorial Review Co. et al.*

1,533,858, L. A. Hazeltine. Method and means for neutralizing capacity coupling in audions, suit filed Sept. 26, 1925, D. C., S. D. N. Y., Doc. E 33/360, *Hazeltine Corp. et al.* v. *Greater Atlantic & Pacific Radio Corp.*

1,537,325, Smith & Smith, Meter box, suit filed Sept. 19, 1925, D. C., W. D. Wash. (N. Div.), Doc. 506, *W. E. Smith et al.* v. *Puget Sound Sheet Metal Works.*

1,546,634. (See 1,123,502.)

1,552,227, L. C. Pacent, Connecting plug, suit filed Sept. 25, 1925, D. C., S. D. N. Y., Doc. E 33/357, *Pacent Electric Co., Inc.*, v. *Spartan Electric Corp.*

Re. 12,725, Inwood & Lavenberg, Box; 1,128,144, same, Combined carriage and former for wire-bound-box machines; 1,128,145, same, Means for making box blanks; 1,128,252, same, Method of making boxes, appeal filed Aug. 28, 1925, C. C. A. (7th Cir.), Doc. 3650, *Wirebound Box Co. et al.* v. *H. R. Gibbons Box Co.*

Re. 15,895, Lindsay & Hemphill, Air-agitating tube for refrigerating systems, suit filed May 18, 1925, D. C., W. D. S. C., Doc. E 133, *Frick & Co.* v. *R. F. Lindsay et al. (The Lindsay Mfg. Co.)*.

Des. 62,482, H. Frischer, Plaited fabric, final consent decree sustaining patent and granting injunction Oct. 6, 1925, D. C., S. D. N. Y., Doc. E 28/247, *H. Frischer* v. *Star Pleating Co., Inc.*

Des. 67,660, A. W. Kaufman, Smoke kit, suit filed Aug. 17, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5061, *A. W. Kaufman* v. *Charles Auto Supply Co.*

## ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,520,556, A. E. Beckwith, Fishing tilt, decided November 16, 1925, claim 1.

Pat. 1,542,071, W. D. McKeon, Socket wrench, decided October 27, 1925, claim 3.

### Interference Notices.

U. S. PATENT OFFICE, *Washington, Nov. 20, 1925.*

*Franklin M. Risk, his assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of J. N. Adams & Co., Buffalo, N. Y., for registration of a trade-mark and trade-mark registered August 29, 1916, No. 112,312, to Franklin M. Risk, 7139 St. Lawrence Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said Risk at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Risk, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Nov. 13, 1925.*

*Anne E. Rawlins, her assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Fitzpatrick Bros., 1319 West Thirty-Second Place, Chicago, Ill., for registration of a trade-mark and trade-mark registered May 8, 1910, No. 77,755, to Anne E. Rawlins, 2270 South Jefferson Avenue, St. Louis, Mo., and a notice of such declaration sent by registered mail to said Rawlins at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Rawlins, her assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

### Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Nov. 17, 1925.*

*American Beverage Co., Inc., its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of Artemas W. Deane, of 129 South Fremont Street, Los Angeles, Calif., to effect the cancellation of the trade-mark registration of American Beverage Co., Inc., Atlanta, Ga., No. 58,908, dated December 25, 1906, and the notice of such proceeding sent by registered mail to the said American Beverage Co., Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said American Beverage Co., Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

# TRADE-MARKS

## OFFICIAL GAZETTE, DECEMBER 8, 1925.

[VOL. 341. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 165,636. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MECHANICAL MIXERS CORPORATION, New York, N. Y. Filed June 17, 1922.

SPEEDMIXER

*Particular description of goods.*—Electrically-Operated Drink Mixers.

*Claims use* since June 15, 1921.

Ser. No. 176,018. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE FAIR, Chicago, Ill. Filed Feb. 14, 1923.

"PROTEX"

*Particular description of goods.*—Sanitary Belts, Sanitary Aprons, Sanitary Bloomers, Rubber Baby Pants, Rubber Hot-Water Bottles, and Rubber Fountain Syringes.

*Claims use* since Dec. 1, 1922.

Ser. No. 181,408. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JULIUS LOEWITH, New York, N. Y., assignor to Julius Loewith Inc., New York, N. Y. Filed May 31, 1923.

*Particular description of goods.*—Seeds—Namely, Clover, Grass, Field, Garden, Flower, and Forest-Tree Seeds.

*Claims use* since January, 1914.

Ser. No. 182,767. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACIFIC STATES ELECTRIC CO., San Francisco, Calif. Filed July 3, 1923.

"Check" Seal

*Particular description of goods.*—Electrical Apparatus and Fixtures, as Follows: Electric-Lamp Sockets, Lamp Bases and Parts Thereof, Switches and Parts Thereof, Plugs and Sockets and Parts Thereof, Fuse-Plug Cut-Outs and Parts Thereof, Panel Switches, Plugs, Fuses, Fuse Wire, Outlet Boxes and Parts Thereof, Switch Boxes and Parts Thereof, Conduits and Parts Thereof, Terminals, Connecters, Sleeves, Pot Heads, Bells, Buzzers, Gongs, Annunciators, Door Openers, Telephones, Intercommunicating Telephone Systems and Parts Thereof, Fire-Alarm Systems, Sirens, Batteries and Parts Thereof, Spark Coils, Electric-Lighting Fixtures, Brackets and Parts Thereof, Electric Lamps, Electric Flood Lighting Projectors; Electric Irons—Namely, Sadirons, Soldering Irons, Curling Irons; Coffee Percolators, Stoves, Grills, Ovens, Toasters, Electric Ranges, Electric Vacuum Cleaners, Electric Sewing Machines, Electric Drink Mixers, Electric Air Blowers, Electric Motors, Electric Grinders, Drills and Parts Thereof, Electric Fans, Electric Flash Lights, Electric Switch Panels, Transformers, Battery Chargers, Mercury-Arc Rectifiers, Rheostats, Thermostats and Parts Thereof for Operating Electric Switches and the Like; Wire, Bare and Covered; Porcelain and Glass Insulators; Wireless and Radio Equipment Assembled and Complete and Parts Thereof,—Namely, Amplifiers, Vacuum Tubes, Detectors, Tuning Coils, Aerials, and Receiving and Sending Sets.

*Claims use* since Nov. 1, 1921.

Ser. No. 183,087. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) SIGMA NU PHI FRATERNITY (LEGAL), Washington, D. C. Filed July 11, 1923.

ΣΝΦ

*Particular description of goods.*—Fraternity Badges, Lapel Buttons; Scarf, Lapel and Breast Pins, Cuff Links, Tie Clasps, Charms, Finger Rings, Belt Buckles, and Ornamental Shields, All of Precious Metal.

*Claims use* since about 1908.

Ser. No. 184,538. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM BENNER, Bridgeport, Conn. Filed Aug. 16, 1923.

*Particular description of goods.*—Bread, Biscuits, Cake, Crackers, Cookies, Pies, Dairy Butter, Peanut Butter, Apple Butter, Oleomargarine, Coffee, Cocoa (Ground), Chocolate, Tea, Cereal Coffee, Fresh Milk, Fresh Cream, Evaporated Canned Milk, Condensed Sweetened Milk, Powdered Milk, Ice Cream, Cheese, Pot Cheese, Fresh Eggs; Wheat Flour, Bolted and Unbolted; Prepared Self-Rising Flour; Pancake Flour Prepared in a Combination of Wheat Flour, Corn Meal, Wheat Bran; Buckwheat Flour; Cereal Breakfast Foods Consisting of Ground Wheat, Ground Corn, Oatmeal, Rolled Oats, Rolled Wheat; Rice, Sago, Tapioca, Spaghetti, Noodles, Macaroni, Arrowroot; Canned Fruits, Including Canned Berries, Canned Pineapple, Fruit Preserves in Glass, Pickled Peaches in Glass, Jams, Marmalade, Fruit Jellies; Fresh Apples, Fresh Pears, Fresh Peaches, Fresh Melons, Dried Fruits, Canned Vegetables, Canned Chowder, Canned Pork and Beans, Canned Soups, Canned Plum Pudding, Canned Fig Pudding, Mincemeat, Canned Fruit Salad in Glass, Canned Vegetable Salad in Bulk and Glass Jars, Salad Dressing, Salad Oil Prepared from Peanut Oil and Cottonseed Oil, Olive Oil in Cans and Glass, Cooking Oil Prepared from Cottonseed Oil and Corn Oil; Sauces Consisting of Pepper Sauce, Chili Sauce; Condiments Consisting of Prepared Horse-Radish in Glass, Chow-Chow, Capers; Strained Honey; Sugar, Maple Sugar, Maple Sirup, Sugar Sirup Prepared from Cane Sugar and Maple Sirup, Molasses in Bulk and Cans, Candy; Fruit Butters Prepared from Peaches, Apples, Quinces, and Their Combinations; Nuts in Their Natural State, Also Candied Nuts, Salted Nuts; Pickles in Bulk and Glass, Tomato Catchup, Mushroom Catchup, Mustard, Ground Spices, Olives; Canned Fish, Consisting of Oysters, Clams, Bluefish, Lobster, Tunny Fish; Canned Fowl, Comprising Canned Chicken and Canned Sliced Turkey; Chewing Gum; the Following Meats and Meat Food Products Killed and Dressed on the Farm, Not Shipped in Interstate Commerce, and Marketed Only in This State of Connecticut: Fresh Beef, Fresh Pork, Sausage, Fresh Mutton and Lamb, Corned Beef, Salt Pork, Bacon, Smoked Hams; Canned Meats, as Follows: Corned Beef, Sliced Beef, Neat's Tongue; Roast Mutton, Boiled Ham, Picnic Sausage, Combined Ham and Tongue, Combined Ham and Turkey, Combined Ham and Chicken, Sliced Bacon, Headcheese.

*Claims use* since Mar. 23, 1921.

Ser. No. 185,670. (CLASS 17. TOBACCO PRODUCTS.) PEDRO Y CA., S. EN C., Habana, Cuba. Filed Sept. 11, 1923. Under ten-year proviso.

*Particular description of goods.*—Cigars, Cigarettes, and Cut Tobacco.

*Claims use* since about 1890.

Ser. No. 186,861. (CLASS 15. OILS AND GREASES.) YELLOW CAB MOTOR FUEL COMPANY, Pittsburgh, Pa. Filed Oct. 11, 1923.

*Particular description of goods.*—Gasoline, Benzol, Mixtures of Gasoline and Benzol, Motor Fuels, Lubricating Oils and Greases.

*Claims use* since Nov. 1, 1921.

Ser. No. 186,862. (CLASS 15. OILS AND GREASES.) YELLOW CAB MOTOR FUEL COMPANY, Pittsburgh, Pa. Filed Oct. 11, 1923.

Y-CO

*Particular description of goods.*—Gasoline, Benzol, Mixtures of Gasoline and Benzol, Motor Fuels, Lubricating Oils and Greases.

*Claims use* since Nov. 1, 1921.



Ser. No. 189,712. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLAPPER NOVELTY COMPANY, Chicago, Ill. Filed Dec. 15, 1923.

Flapper

*Particular description of goods.*—Face Cream, Face Powder, and Rouge.

*Claims use* since Oct. 15, 1923.

Ser. No. 192,917. (CLASS 32. FURNITURE AND UPHOLSTERY.) IMPERIAL FURNITURE COMPANY, Grand Rapids, Mich. Filed Feb. 27, 1924.

The words "Grand Rapids, Mich." are disclaimed by applicant except in connection with the trade-mark as shown.

*Particular description of goods.*—Wooden Tables.

*Claims use* since Feb. 1, 1904.

Ser. No. 193,068. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PYLE-NATIONAL COMPANY, Chicago, Ill. Filed Feb. 29, 1924.

PYLE-O-LYTE

*Particular description of goods.*—Flood Lights and Complete Electric Projecting Lamps for Vehicles and Stationary Installations.

*Claims use* since Jan. 1, 1923.

Ser. No. 195,082. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STITTVILLE CANNING COMPANY, Utica, N. Y. Filed Apr. 5, 1924.

Blue Boy

*Particular description of goods.*—Canned Fruits, Canned Berries, Canned Vegetables, Canned Apple Sauce, Sauerkraut, Chili Sauce, and Catchup.

*Claims use* since May 1, 1904.

Ser. No. 197,847. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIRDEN CANNING COMPANY, San Francisco, Calif. Filed May 29, 1924.

SUNICAL

*Particular description of goods.*—Canned Fruits, Canned Vegetables, Canned Tomatoes with Purée, Honey, Mayonnaise Dressing, Ripe Olives, and Solid-Pack Canned Tomatoes.

*Claims use* since May 1, 1924.

Ser. No. 197,848. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIRDEN CANNING COMPANY, San Francisco, Calif. Filed May 29, 1924.

SUNNICAL

*Particular description of goods.*—Canned and Dried Fruits, Canned and Dried Vegetables, Canned Tomatoes in Purée, Canned Tomato Purée Made from Trimmings, Green and Ripe Olives in Glass, Dried Figs, Honey, Marmalade, Tomato Paste, Olive Oil, and Mayonnaise.

*Claims use* since May 1, 1924.

Ser. No. 197,851. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIRDEN CANNING COMPANY, San Francisco, Calif. Filed May 29, 1924.

SUNYCAL

*Particular description of goods.*—Canned and Dried Fruits, Canned and Dried Vegetables, Canned Tomatoes in Purée, Green and Ripe Olives in Glass, Dried Figs, Honey, Marmalade, Tomato Paste, and Olive Oil.

*Claims use* since May 1, 1924.

Ser. No. 199,122. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE MOSAIC TILE COMPANY, Zanesville, Ohio. Filed June 25, 1924.

*Particular description of goods.*—Floor and Wall Tiles of Clay.

*Claims use* since September, 1804.

Ser. No. 199,150. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COOPER HEWITT ELECTRIC COMPANY, Hoboken, N. J. Filed June 26, 1924.

**UVIARC**

*Particular description of goods.*—Mercury-Vapor Arc Lamps as Sources of Ultra-Violet and Other Light for Use in Commercial and Scientific Laboratories and for General Use Other Than Therapeutic Purposes—Namely, for Illumination, Photographic, and Photochemical Purposes.

*Claims use* since January, 1922.

Ser. No. 200,494. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) L. HELLER & SON, INC., New York, N. Y. Filed July 25, 1924.

The trade-mark consists of single metal tube at or near the end of the string.

*Particular description of goods.*—Strings of Pearls and Reproductions of Pearls or Imitation Thereof.

*Claims use* since about July 18, 1924.

Ser. No. 200,993. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HEINRICH KÜCHENMEISTER, Berlin, Germany. Filed Aug. 5, 1924.

**Ultraphon**

*Particular description of goods.*—Phonographs, Pianos, Violins, Cellos, Violas, Basses, Mandolins, Guitars, Banjos, Lutes, and Bugles, Trumpets, Trombones, Flutes, Clarinets, Oboes, Fagottos, and Sax-Tubas.

*Claims use* since March, 1922.

Ser. No. 201,229. (CLASS 39. CLOTHING.) EDW. J. DONAHUE, Chicago, Ill. Filed Aug. 11, 1924.

**NUNS' SPECIAL MEASURE SHOES**

No claim is made to the exclusive use of the words "Nuns' Special Measure Shoes" apart from the mark shown in the drawing.

*Particular description of goods.*—Ladies' Shoes Made of Leather Only.

*Claims use* since Mar. 17, 1924.

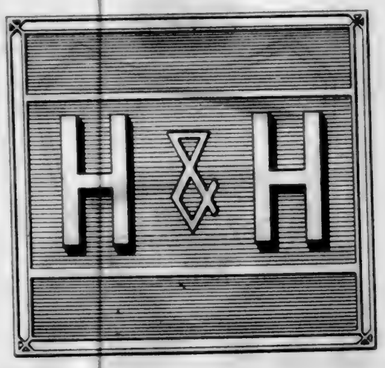
Ser. No. 201,884. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CARSON PIRIE SCOTT & CO., Chicago, Ill. Filed Aug. 26, 1924.

*Blackhawk*

*Particular description of goods.*—Golf Clubs.

*Claims use* since about June, 1923.

Ser. No. 202,452. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT & HERBERT, INC., Perth Amboy, N. J. Filed Sept. 10, 1924.




The lining on the drawing represents shading.

*Particular description of goods.*—Industrial Chemicals—Namely, Insecticides and Fungicides, Such as Colloidal Sulphur and Lime-Sulphur Solution.

*Claims use* since Nov. 27, 1923.

Ser. No. 202,637. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PELLING, STANLEY & CO. LTD., Liverpool, England. Filed Sept. 15, 1924.

The descriptive word "Brand" appearing on the drawing is disclaimed apart from the other features of the mark.

*Particular description of goods.*—Canned Fruits.

*Claims use* since about 1912.



Ser. No. 202,718. (CLASS 38. PRINTS AND PUBLICATIONS.) SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo. Filed Sept. 17, 1924.

*Mike Kinney*

The trade mark is a nom de plume.

*Particular description of goods.*—Pamphlets and Periodicals Published from Time to Time.

*Claims use* since February, 1908.

Ser. No. 203,082. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HENRY J. KOHL, doing business as H. J. Kohl Company, Sharon Hill, Pa. Filed Sept. 26, 1924.

**KING KOLE**

*Particular description of goods.*—Soap and Cleansing Compounds.

*Claims use* since July 11, 1922.

Ser. No. 203,300. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE CROOKE-DITTMAR CO., Williamsport, Pa. Filed Oct. 2, 1924.

**CROMAR**

*Particular description of goods.*—Liquid Cleaning Wax, Body Wax, and Dark Wax for Dark-Finished Flooring, Varnish, or Finish and Japan Drier.

*Claims use* since on or about July 1, 1924.

Ser. No. 203,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUBBARD MILLING COMPANY, Mankato, Minn. Filed Oct. 13, 1924. Under ten-year proviso.

*Particular description of goods.*—Wheat Flour, Whole-Wheat Flour, Rye Flour, Graham Flour, Corn Meal, and Cereal Breakfast Foods.

*Claims use* since 1884.

Ser. No. 203,834. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOSEPH W. PEARSON, Los Angeles, Calif. Filed Oct. 13, 1924.

**RUBBERLAC**

No claim is made to the word "Rubberlac" apart from the mark as shown.

*Particular description of goods.*—Auto Top Ready-Mixed Rubber Lacquer.

*Claims use* since Sept. 27, 1924.

Ser. No. 204,464. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARINELLO COMPANY, Chicago, Ill. Filed Oct. 27, 1924.

**Marinello**

*Particular description of goods.*—Face Powder, Talcum Powder, Rouge and Powder Compacts, Cosmetics for Brows and Eyelashes, Sachets, Toilet Water, Perfumes, and Concentrated Perfume, Preparations for Shampooing Hair, Brilliantine, Hair-Curling Fluid, Hair Whitener, Bandoline; Nail Bleach, Cream, and Polish; Liquid Nail Polish and Remover, a Preparation to be Used in Connection with Softening Cuticle; Foot Powder; Foot Lotion, Depilatory, Deodorant, Pastes for Use on the Skin, Muscle Oil, Phenolene, a Preparation to be Used in Connection with Electrolysis, Lip Cream, and Pore Cleanser.

*Claims use* since 1901.

Ser. No. 204,914. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) IMPERIAL ELECTRIC MFG. CO., INC., doing business as Puradyne Company, Newark, N. J. Filed Nov. 6, 1924.

**PURADYNE COMPANY**

The lining on drawing is for shading purposes only.

*Particular description of goods.*—Radio Receiving Sets and Radio Parts—Namely, Condensers, Variometers, and Binding Posts, Transformers, and Transformer Coils.

*Claims use* since Sept. 1, 1924.

Ser. No. 204,938. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed Nov. 6, 1924.

**TRAVERTINE**

*Particular description of goods.*—Candle Holders.

*Claims use* since Feb. 27, 1923.

Ser. No. 205,812. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) BAKER BRUSH CO., INC., New York, N. Y. Filed Nov. 25, 1924.

No claim is made to the corporate name except in association with the other features of the mark.

*Particular description of goods.*—Paintbrushes.

*Claims use* since Sept. 17, 1924.

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Ser. No. 207,628. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACIFIC & ATLANTIC PHOTOS, INC., New York, N. Y. Filed Jan. 3, 1925.

Telepix

*Particular description of goods.*—Machines and Apparatus for Distance Transmission of Photographs Electrically.

*Claims use* since Nov. 19, 1924.

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Ser. No. 207,679. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHARLES A. HOLZKNECHT, Green Bay, Wis. Filed Jan. 5. 1925.

COURTESY

*Particular description of goods.*—Door Plates.

*Claims use* since Oct. 31, 1924.

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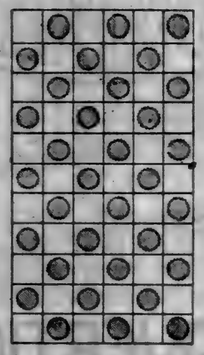
Ser. No. 208,636. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CABLE-DRAPER BAKING COMPANY, Detroit, Mich. Filed Jan. 26, 1925.



The seals on trade-mark drawing are green color.

*Particular description of goods.*—Bread.

*Claims use* since Dec. 30, 1924.

Ser. No. 208,991. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LONGO INSTANTANEOUS HAIR DYE, INC., New York, N. Y. Filed Feb. 2, 1925.

*Particular description of goods.*—Hair Dye.

*Claims use* since 1914.

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Ser. No. 209,610. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AUTRY MOTOR COMPANY, Dallas, Tex. Filed Feb. 16, 1925.

BEACON

*Particular description of goods.*—Combined Fender Braces and Headlight Supports.

*Claims use* since Feb. 15, 1923.

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Ser. No. 209,649. (CLASS 37. PAPER AND STATIONERY.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed Feb. 16, 1925. Under 10-year proviso.

*Particular description of goods.*—Printing and Writing Paper Commonly Employed for Printing and Writing Purposes.

*Claims use* since Jan. 1, 1893.



Ser. No. 210,382. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ISAAC M. GRUMBACHER, Cherryvale, Kans. Filed Mar. 2, 1925.

I'm Good

*Particular description of goods.*—Liniment for External Use, Throat Gargle, and General Tonic.

*Claims use* since June 15, 1923.

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Ser. No. 210,464. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEISE BROTHERS, Orleans, Ind. Filed Mar. 3, 1925.

HEISE'S FEEDS

No claim is made to the exclusive use of the words "Heise's" and "Feeds" except in association with the other features of the mark.

*Particular description of goods.*—Horse and Dairy Feed, Stock Feed, Poultry Feed, and Pearl Meal.

*Claims use* since Nov. 1, 1924.

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Ser. No. 210,717. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. DOOB, SONS & COMPANY, New York, N. Y. Filed Mar. 9, 1925.

Marydear

*Particular description of goods.*—Handkerchiefs, Cotton and Silk-Cotton Piece Goods, and Lace Piece Goods.

*Claims use* since February, 1923.

Ser. No. 210,915. (CLASS 39. CLOTHING.) HARRY MEITLEIN, doing business as New York Hat & Cap Co., Pittsburgh, Pa. Filed Mar. 12, 1925.

The word "Brand" is hereby disclaimed, also the word "Hat."

*Particular description of goods.*—Hats and Caps for Men.

*Claims use* since Nov. 1, 1922.

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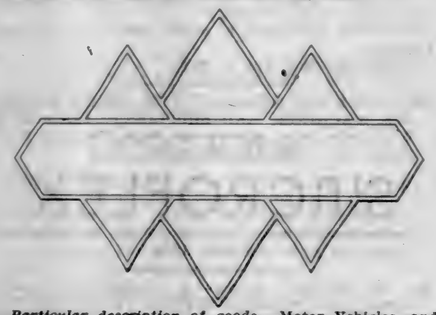
Ser. No. 211,438. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Mar. 21, 1925.



*Particular description of goods.*—Motor Vehicles, and Particularly Motor Coaches, Busses, and Motor Trucks and Attachments and Parts Thereof.

*Claims use* since about Oct. 1, 1924.

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Ser. No. 211,439. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Mar. 21, 1925.

INTERNATIONAL

*Particular description of goods.*—Motor Vehicles, Particularly Motor Busses, Coaches, and Motor Trucks and Attachments and Parts Thereof.

*Claims use* since Oct. 1, 1924.

Ser. No. 211,615. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM PRENTISS, JR., also doing business as California Almond Confections Company, Long Beach, Calif. Filed Mar. 25, 1925.

49'er

*Particular description of goods.*—Candies; Nuts—Namely, Almonds, Salted, Candied, and in Their Natural State; Confections—Namely, Candied and Chocolate-Coated Nuts.

*Claims use* since July, 1924.

Ser. No. 211,770. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AKTIESELSKABET LAGERMAN, Junr., Copenhagen, Denmark. Filed Mar. 28, 1925.

DELFA
PASTILLER

The word "Pastiller" is disclaimed apart from the mark shown in the drawing.

*Particular description of goods.*—Pectoral and Cough Lozenges.

*Claims use* since Jan. 6, 1923.

Ser. No. 211,793. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANKLIN H. MACKENZIE, doing business as Mack Company, Philadelphia, Pa. Filed Mar. 28, 1925.

SINCROFLEX

*Particular description of goods.*—Radio Receiving Sets.

*Claims use* since December, 1924.

Ser. No. 211,911. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EULITH GESELLSCHAFT M. B. H. CHEMISCH-PHARMAZEUTISCHE FABRIK, Berlin, Germany. Filed Mar. 31, 1925.

The lines shown in the drawing indicate shading and not any particular color scheme.

*Particular description of goods.*—Perfumery and Cosmetics—Namely, Hair Tonic, Hair Wash, Preparation for the Treatment of the Head and Scalp, Hair Oil, Mouth Wash, Tooth Paste, Toilet Water, Skin Cream, Face Cream, Face Powder, and Rouge.

*Claims use* since May 22, 1919.

Ser. No. 212,122. (CLASS 11. INKS AND INKING MATERIALS.) CARRIE A. DANIELS, doing business as Daniels Chemical Proof Ink Company, Dallas, Tex. Filed Apr. 3, 1925.

No claim is made herein to the name "Daniels" apart from the mark shown in the drawing.

*Particular description of goods.*—Writing Inks.

*Claims use* since Jan. 1, 1921.

Ser. No. 212,199. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH PERSONENI, INC., New York, N. Y. Filed Apr. 4, 1925.

No claim is made to the words "Personeni" and "Guaranty Label" apart from the mark shown on the drawing. The linings on the drawing respectively indicate the colors red, purple, and green.

*Particular description of goods.*—Artificial Vichy Powders, Purgative Liquor, Liniment for Treatment of Sprains and Bruises, Powders for Treatment of Gout; Plasters for Treatment of Pains in the Back, Chest, and Abdomen, Catamenia Pills, Cinchona Elixir, Corn Plaster, Balsam for Treatment of Rheumatism, Ferrous Iodide Pills, Cod-Liver Oil, Iron and Cinchona Bitters, Purgative Waters, Iodine Injections, Arsenic Injections, Guaiacol Injections, Sirup for Treatment of Whooping Cough, Quinine, Mustard Plasters, Magnesia, Iodobromide Salts, Wines with Iron, Ointment for Treatment of Burns, Iodized Olive Oil, Phosphorated Olive Oil, Preparation for Treatment of Tapeworm, Almond Oil, Copaiba Capsules, Cubeb Capsules, Metilene Capsules, Creosote Capsules, Guaiacol Capsules, Eucalyptus Capsules, Terpinol Capsules, Peppermint Capsules, Oil of Male Fern Capsules, Terpine Capsules, Turpentine-Essence Capsules, Castor Oil, Cod-Liver Oil with Iron, Drops Iron Arsenate, Drops Iron Arsenate with Nux Vomica, Drops Iron Arsenate with Strychnine, Drops Iron Arsenate with Quinine, Drops Iron Arsenate with Quinine Strychnine, Drops Pepsin, Elixir Peptonate of Iron, Essence of Camomile, Essence of Cinchona and Cocoa, Granules Arsenate of Iron, Granules Arsenate of Iron Nux Vomica, Granules Arsenate of Iron Quinine, Granules Arsenate of Iron Strychnine, Granules Digitaline, Iron Arsenate, Strychnine, Liquid Phosphate of Iron and Lime, Essence Pine Buds, Essence Pine Buds and Guaiacol, Guaiacol, Guaiacol and Creosote, Guaiacol and Iodoform, Guaiacol Creosote, Terpinol and Eucalyptol, Santal Oil, Santal Oil Camphor, Santal Oil Camphor Salol, Santal Oil Camphor Terpinol, Terpinol, Terpinol and Guaiacol, Terpinol and Creosote, Potassium Iodode, Powders Magnesia and Sulphur, Lactophosphate Lime, Phosphate Iron and Lime, Hair Tonic, Hair Oils, Tooth Paste, Tooth Powder, Curling Fluid, Face Powder, Deodorant Powder, Talcum Powder, Complexion Powder, Rouges, Nail Polish, Lip Stick, Cold Cream, Vanishing Cream, Face Cream, Scalp Tonics, Scalp Salve, Toilet Water, Shampoo Jelly, Shampoo Oils, and Perfumery.

*Claims use* since Aug. 1, 1923.



Ser. No. 212,362. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ARON ELEKTRISITÄTS-GESELLCHAFT M. B. H., Charlottenburg, near Berlin, Germany. Filed Apr. 6, 1925.

NORA

*Particular description of goods.*—Complete Radio Receiving Sets, Crystal Detectors, Electron Tubes, Loud Speakers and Parts Thereof, Electrical Condensers, Antennæ and Parts Thereof, Batteries, Coupling Coils, Tuning Coils, Electrical Connecter Clips and Clamps, Resistances, Rheostats, Lamp Sockets, Insulators, Lightning Protectors, Variometers, Variocouplers, Transformers, Dials and Knobs for Radio Receiving Apparatus, Sockets; Miscellaneous Small Parts—Namely, Binding Posts, Switches, and Contacts; Phones for Use with Radio, Head Phones, and Parts Thereof.

*Claims use* since Mar. 27, 1924.

Ser. No. 212,577. (CLASS 38. PRINTS AND PUBLICATIONS.) SUNSET MAGAZINE, INC., San Francisco, Calif., Filed Apr. 11, 1925.

Sunset

*Particular description of goods.*—Monthly Magazine.

*Claims use* since January, 1912.

Ser. No. 212,825. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PACKARD ELECTRIC COMPANY, Warren, Ohio. Filed Apr. 16, 1925.

Port-O-Lite

*Particular description of goods.*—Electric Extension Cords Fitted with Attachment Plugs and Lamp Sockets, Lamps, and Guards.

*Claims use* since Nov. 15, 1924.



Ser. No. 213,106. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WALLINS CREEK COAL COMPANY, INC., Cincinnati, Ohio. Filed Apr. 21, 1925.

YELLOW PINE

*Particular description of goods.*—Coal.

*Claims use* since Jan. 10, 1925.

Ser. No. 213,163. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILBUR M. DE WITT, doing business as Starrow Chemical Co., Utica, N. Y. Filed Apr. 23, 1925.

OXO

*Particular description of goods.*—Oxidizing Liquid for Sterilizing, Disinfecting, Deodorizing, and Whitening.

*Claims use* since Mar. 1, 1925.

Ser. No. 213,382. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LESCOLIER SUPPLY CO., INC., doing business as Lescolier, Jersey City, N. J. Filed Apr. 27, 1925.

LESCOLIER

*Particular description of goods.*—Electric-Lighting Chandeliers and Parts Thereof, Electric Light Fixtures and Parts Thereof, Electric Fans and Parts Thereof, Electric Motors and Parts Thereof, and Radio Receiving Sets and Parts Thereof.

*Claims use* since July, 1924.

Ser. No. 213,543. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ABBEVILLE COTTON MILLS, Abbeville, S. C. Filed Apr. 30, 1925.

ABBEVILLE COTTON MILLS

The corporate title "Abbeville Cotton Mills" forms no part of the technical trade-mark.

*Particular description of goods.*—Cotton Piece Goods.

*Claims use* since 1899.

Ser. No. 214,064. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) DOHERTY RESEARCH COMPANY, Bartlesville, Okla., and New York, N. Y. Filed May 9, 1925.

DORECO

*Particular description of goods.*—Gas and Oil Burners and Combustion-Regulating Equipment.
*Claims use* since September, 1924, in connection with oil burners and since August, 1922, in connection with gas burners.

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Ser. No. 214,093. (CLASS 39. CLOTHING.) PECKHAM-FORBMAN, INC., New York, N. Y. Filed May 9, 1925.

"travelo" Sportware

The word "Sportware" is disclaimed apart from the mark shown.
*Particular description of goods.*—Sweaters, Sweater Jackets, Golf Hose, Bathing Suits; Mufflers, for Men, Women, and Children; and Caps.
*Claims use* since Jan. 19, 1925.

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Ser. No. 214,349. (CLASS 39. CLOTHING.) THE BOYSHFORM BRASSIÈRE CO., New York, N. Y. Filed May 15, 1925.

TRADE MARK KLINGTITE REGISTERED BOYSHFORM

The word "Klingtite" is claimed only in association with the other features of the mark shown in the drawing. Exclusive use of the words "Trade-Mark Registered" is disclaimed. The lining indicates yellow color. However, applicant does not desire to limit itself to the exclusive use of yellow.
*Particular description of goods.*—Girdles, Corsets, Corselets, Bandeaux, and Reducing Garments—Namely, Hip and Limb Shapes.
*Claims use* since Aug. 14, 1919.

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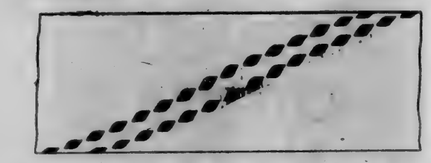
Ser. No. 214,594. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) GOODALL RUBBER COMPANY, Philadelphia, Pa. Filed May 20, 1925.



The trade-mark consists essentially of the representation of two parallel broken lines of black and green color arranged spirally upon the body of the hose.
*Particular description of goods.*—Grease-Pump Hose.
*Claims use* since Mar. 15, 1925.

Ser. No. 214,905. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AMERICAN STOVE COMPANY, St. Louis, Mo. Filed May 26, 1925.

Quick Comfort

Trade-mark consists of the words "Quick Comfort."
*Particular description of goods.*—Gas, Oil, Coal, Wood, and Hydrocarbon Stoves.
*Claims use* since about Sept. 15, 1892.

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Ser. No. 215,187. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) L. C. SMITH & CO., Vinalhaven, Me. Filed June 1, 1925.

Albapol

*Particular description of goods.*—Cleanser and Polisher for Varnished and Enameled Surfaces in General, Including Automobiles, Furniture, and Woodwork.
*Claims use* since Nov. 22, 1922.

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Ser. No. 215,279. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY, San Francisco, Calif. Filed June 3, 1925.

FLIGHT

*Particular description of goods.*—Gasoline.
*Claims use* since May 14, 1925.

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Ser. No. 215,281. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SUPRALOCK NUT CORPORATION, New York, N. Y. Filed June 3, 1925.

SUPRALOCK

*Particular description of goods.*—Lock Nuts.
*Claims use* since Jan. 1, 1924.



Ser. No. 215,296. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FLOOR SHINE PAINT & VARNISH COMPANY, St. Louis, Mo. Filed June 4, 1925.

FLOOR-SHINE

*Particular description of goods.*—Paste and Ready-Mixed Paint, Paint Enamels, Varnish, Varnish Gold and Aluminum Pigments, Prepared Liquid Shellac, Woodwork and Furniture Polish, Stains, Oils for Dressing Woodwork, and Floor and Furniture Wax.
*Claims use* since about Sept. 1, 1895.

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Ser. No. 215,422. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SOCIÉTÉS DE STRASBOURG, Strassburg, France. Filed June 6, 1925.

LAMPOSE

*Particular description of goods.*—Sheets, Strips, Tubes, or Threads of Viscose and Other Cellulose Derivatives and Nonsensitized Films for Use in Making Wrapping Papers for Chocolate, Confectionery, Etc., Supports for Cinematographic and Photographic Films, Hats, Etc.
*Claims use* since Mar. 12, 1925.

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Ser. No. 215,546. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUTO EQUIPMENT AND SERVICE CO., Philadelphia, Pa. Filed June 10, 1925.

PARTS OFFICIAL SERVICE

The words "Parts," "Official," and "Service" are disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Automobile Battery Chargers, Automobile Ignition Parts, Automobile Starter Parts, Automobile Starters, Automobile Generators, Automobile Generator Parts, Automobile Electric Horns, Automobile Electric-Lighting Equipment.
*Claims use* since 1917.

Ser. No. 215,601. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUNLAND LABORATORIES, INC., Los Angeles, Calif. Filed June 10, 1925.

Sol-eze

*Particular description of goods.*—Sunburn Lotion.
*Claims use* since May 1, 1925.

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Ser. No. 215,630. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DR. CHARLES M. HICKEY, doing business as Fruit Products Co., Tulsa, Okla. Filed June 11, 1925.

LAXA-RAISINS

No claim is made to the exclusive right to use the word "Raisins" apart from the mark shown on the drawing.
*Particular description of goods.*—Dried Raisins.
*Claims use* since Oct. 1, 1924.

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Ser. No. 215,902. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y. Filed June 17, 1925. Under ten-year proviso.

GLITTERINE

*Particular description of goods.*—Lacquer.
*Claims use* since about July, 1892.

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Ser. No. 216,206. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O-G GOODY COMPANY, Kirksville, Mo. Filed June 22, 1925.

O. G. GOODY

Trade-mark consists of the letters and word "O-G Goody."
*Particular description of goods.*—Chocolate-Covered Ice-Cream Confection and Chocolate Coating.
*Claims use* since July 1, 1924.

Ser. No. 216,351. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWARD G. NEALE, doing business as Neale, Inc., Los Angeles, Calif. Filed June 24, 1925.

Nealite

*Particular description of goods.*—Electric Advertising Signs.
*Claims use* since May 1, 1925.

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Ser. No. 216,381. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BREMER-TULLY MANUFACTURING COMPANY, Chicago, Ill. Filed June 25, 1925.

BT

*Particular description of goods.*—Variable Air Condensers, Fixed Condensers, Tuning Inductances, Air Transformers, Audiotransformers, Resistances, Sockets, Dials, Mechanisms for Rotary Condensers, and Other Tuning Units, and Radio Receiving Sets.
*Claims use* since July 1, 1922.

Ser. No. 216,430. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) POLAR PRODUCTS COMPANY, Eau Claire, Wis. Filed June 25, 1925.

All wording appearing on the drawing with the exception of the word "Polar" constitutes descriptive matter and is disclaimed apart from the mark as shown.
*Particular description of goods.*—Nonfreezing Solution for Automobile Radiators.
*Claims use* since about Feb. 20, 1925.

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Ser. No. 216,607. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE ROCKY MOUNTAIN PRODUCTS CO., Brooklyn, N. Y. Filed June 30, 1925.

No claim is made to the word "Varnish" or the words "The Rocky Mountain Products Co." except as shown in the drawing.
*Particular description of goods.*—Varnish.
*Claims use* since June 1, 1925.



Ser. No. 216,771. (CLASS 39. CLOTHING.) ROBERT RICHARD BORONOW, Montreal, Quebec, Canada. Filed July 2, 1925.

Parismaid

The trade-mark consists of the figure of a lady surrounded by an oval frame, with the word "Parismaid" in the particular style of writing shown.
*Particular description of goods.*—Ladies' Knitted Dresses, Knitted Suits, Knitted Sweaters, and Scarfs.
*Claims use* since Jan. 12, 1924.

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Ser. No. 216,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY ARAKELIAN & SON, Turlock, Calif. Filed July 6, 1925.

Horseshoe

*Particular description of goods.*—Fresh Deciduous Fruits, Fresh Peaches and Apricots, Fresh Cantaloupes, and Fresh Grapes.
*Claims use* since June 17, 1925.

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Ser. No. 216,901. (CLASS 24. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE ESTATE STOVE COMPANY, Hamilton, Ohio. Filed July 6, 1925.

FURNOLA

*Particular description of goods.*—Heating Appliances—Namely, Heating Stoves and Furnaces for Using Coal and the like.
*Claims use* since June, 1925.

Ser. No. 217,027. (CLASS 39. CLOTHING.) HAYMON KRUPP & CO., El Paso, Tex. Filed July 8, 1925.

CORONADO

Trade-mark comprises the word "Coronado" and the representation of a head of Vasquez de Coronado, a Spanish explorer (deceased).
*Particular description of goods.*—Men's, Women's, and Children's Hosiery.
*Claims use* since June 10, 1925.

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Ser. No. 217,091. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GREEN RIVER FUEL COMPANY, INC., Mogg, Ky. Filed July 9, 1925.

The words "Green River Fuel Company Incorporated," "Mogg, Ky.," "Mogg," "Green River Coal" and "Trade-Mark Registered" are disclaimed except in connection with the design as shown.
*Particular description of goods.*—Coal.
*Claims use* since April, 1918.

Ser. No. 217,111. (CLASS 7. CORDAGE.) PACIFIC WIRE ROPE CO., Los Angeles, Calif. Filed July 9, 1925.

"THE BLUE REEL"

The ruling in the drawing indicates the color blue. The name of applicant, "Pacific Wire Rope Co.," does not form a part of the mark sought to be registered apart from the mark shown in the drawing.

*Particular description of goods.*—Wire Rope (Cable) and Guy Strand.

*Claims use* since October, 1909.

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Ser. No. 217,172. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) MILLER-CLOSMAN COMPANY, Philadelphia, Pa. Filed July 10, 1925.

M~C

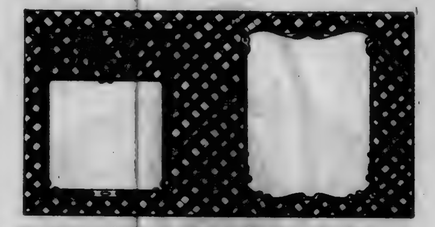
Luggage You're Proud to Lug

No claim is made to the phrase "Luggage You're Proud to Lug" apart from the mark as shown.

*Particular description of goods.*—Limousine Tray Cases, Coat Cases, Kit Bags, Traveling Bags, and Suitcases, Overnight and Week-end Cases, Fittings for Said Cases, Including Complete Toilet Sets and Parts Thereof, and Hatboxes.

*Claims use* since June 25, 1923.

Ser. No. 217,267. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FAXON & GALLAGHER DRUG CO., Kansas City, Mo. Filed July 13, 1925.



The lining of the drawing is for the color blue.

*Particular description of goods.*—Tincture Iodine, Tincture Chloride Iron, Tincture Arnica, Sweet Spirits of Niter, Essence Peppermint, Chloroform, Yellow Food Coloring, Lavender Food Coloring, Orange Food Coloring, Red Food Coloring, Blue Food Coloring, Pure Castor Oil, Solution Carbolic Acid, Pure Skunk Oil, Camphor Liniment, Glycerin and Rose Water, Pure Glycerin, Lime Water, Formaldehyde, a Preparation for Preserving Eggs, Citrate Magnesia, Alum, Senna Leaves, Copperas, Cinnamon Bark, Sulphur, Sassafras Bark, Saffron, Flaxseed, Elm Bark, Boric Acid, Blue Vitriol, Powdered Turmeric, Prepared Henna, Potassium Permanganate, Bismuth Subnitrate, Cream Tartar, Sugar of Lead, Collodion Flexible, Chloroform Liniment, Castor Oil Aromatic, Coconut Oil, Paregoric, Oil Cloves, Pure Goose Oil, Aromatic Spirit Ammonia, Witch-Hazel, Tincture Jamaica Ginger, Compound White-Pine Cough Sirup, Spirit Camphor, Antiseptic Solution, Bay Rum, Glycerin and Bay Rum, Bay-Rum Hair Oil, Deodorized Benzine, Mineral Oil, Hydrogen Peroxide, a Liquid Preparation for Repelling Flies, Tannic Acid, Citric Acid, Salicylic Acid, Chamomile Flowers, Epsom Salt, Insect Powder, Sodium Bicarbonate, Prepared Chalk Cones, Cardamom Seed, Celery Seed, Compound Licorice Powder, Powdered Orris Root, Rochelle Salt, Calomel, Saltpeter, Soluble Blue, Mustard Seed, Naphthalene Balls, Sodium Fluoride, Barium Carbonate, Flaxseed Meal, Pure Borax, Cedar Compound.

*Claims use* since July 1, 1921.

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Ser. No. 217,307. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TECLA SEEDOR, New York, N. Y. Filed July 18, 1925.

TECLA SEEDOR

*Particular description of goods.*—Cleansing Cream, Soothing Cream, Eye Wrinkle Eradicator, Cleansing Lotion, a Skin Whitener in Liquid Form Called Evening White, and Strong Astringents.

*Claims use* since Dec. 1, 1921.



Ser. No. 217,509. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORA M. GOWELL, Auburn, Me. Filed July 17, 1925.

The term "Maine Package Home Made in a Maine Home" is disclaimed apart from the other features of the mark.

*Particular description of goods.*—Candies and Chocolates.

*Claims use* since Feb. 1, 1925.

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Ser. No. 217,531. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHAW & TRUESDELL CO., Brooklyn, N. Y. Filed July 17, 1925.

Applicant disclaims exclusive right to the use of the name "Shaw & Truesdell" and "Long Island."

*Particular description of goods.*—Food for Hogs, Poultry, Cattle, and Horses.

*Claims use* since March, 1924.

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Ser. No. 217,561. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IRWINDALE CITRUS ASSOCIATION, Irwindale, Calif. Filed July 18, 1925.

SUNNYCAL

*Particular description of goods.*—Fresh Citrous Fruits—Namely Oranges, Lemons, and Grapefruit.

*Claims use* since Dec. 29, 1920.

Ser. No. 217,578. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PIRU CITRUS ASSOCIATION, Piru, Calif. Filed July 18, 1925.

BELLE of PIRU

The geographical term "Piru" is disclaimed apart from the other features of the mark.

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

*Claims use* since Apr. 15, 1925.

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Ser. No. 217,670. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHANNES KAULKE, doing business as Industrial Apparatus and Instrument Co., Newark, N. J. Filed July 21, 1925.

ELWAX

*Particular description of goods.*—Electric Wax Sealing Machines.

*Claims use* since June 29, 1925.

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Ser. No. 217,684. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SAMUEL ROTH, doing business as Roth Radio Company, New York, N. Y. Filed July 21, 1925.

No claim is made to the words "Trade Mark" apart from the mark shown in the drawing.

*Particular description of goods.*—Radio Receiving Sets and Radio Loud Speakers.

*Claims use* since July, 1923.

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Ser. No. 217,806. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TRI-ERGON A.-G., Zurich, Switzerland. Filed July 23, 1925.

Statophon

*Particular description of goods.*—Loud Speakers.

*Claims use* since Sept. 16, 1922.

Ser. No. 217,807. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Tri-Ergon A.-G., Zurich, Switzerland. Filed July 23, 1925.

„Kathodofon"

*Particular description of goods.*—Microphones.
*Claims use* since July 13, 1921.

Ser. No. 217,831. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PARKER V. LUCAS, Dallas, Tex. Filed July 24, 1925.

Sanalube Kit
SANITARY PROTECTORS WITH LUBE JELLY

The words "Kit" and "Sanitary Protectors with Lube Jelly" are disclaimed apart from the mark shown.
*Particular description of goods.*—Sanitary Protector Kit for Protection Against Communicable Disease.
*Claims use* since June 1, 1925.

Ser. No. 217,833. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JULIUS PAULY, INC., New York, N. Y. Filed July 24, 1925.

JUPA

*Particular description of goods.*—Marcel Irons (non-electric), Rubber Combs, Wire Hairpins, Transformations, and Wigs.
*Claims use* since December, 1920.

Ser. No. 217,913. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHINGTON DAIRY, Davenport, Iowa. Filed July 27, 1925.

La Frenz ICE CREAM

Exclusive use to any words appearing on drawing is disclaimed apart from the mark.
*Particular description of goods.*—Ice Cream.
*Claims use* since about Mar. 1, 1918.

Ser. No. 218,061. (CLASS 86. MUSICAL INSTRUMENTS AND SUPPLIES.) HOMOPHON-COMPANY GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany. Filed July 29, 1925.

The disk portion of the drawing is lined to indicate red.
*Particular description of goods.*—Talking Machines and Records for Talking Machines.
*Claims use* since Dec. 20, 1922.

Ser. No. 218,136. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GIUSEPPE OLIVERI, doing business as The New York Macaroni Mfg. Co., New York, N. Y. Filed July 30, 1925.

SIX STAR

*Particular description of goods.*—Macaroni.
*Claims use* since March, 1919.

Ser. No. 218,243. (CLASS 86. MUSICAL INSTRUMENTS AND SUPPLIES.) C. BRUNO & SON, INC., New York, N. Y. Filed Aug. 1, 1925.

The phrase "Bruno Means Security" is disclaimed apart from the mark shown.
*Particular description of goods.*—Violins and Similar String Instruments—Namely, Ukuleles, Banjos, Mandolins, Violins, Guitars, Banjo Ukuleles; Wood-Wind and Brass Instruments—Namely, Clarinets, Flutes, Piccolos, Fifes, Oboes, Cornets, Trombones, Saxophones, Altos and Bass; Drums, Strings for String Instruments, Accordions, Mouth Harmonicas, and parts thereof.
*Claims use* since June 30, 1925.



Ser. No. 218,402. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EISEMANN MAGNETO CORPORATION, New York, N. Y. Filed Aug. 5, 1925.

EISEMANN

No rights are claimed for the word "Eisemann."
*Particular description of goods.*—Magnetos, Coils, Combination Magneto and Generator, Electrical Impulse Starters and Connections Therefor; Radio Receiving and Transmitting Apparatus—Namely, Head Phones, Vacuum-Tube Sockets, Audio-Frequency Amplifying Transformers, Metal Panels for Individual Construction of Radio Receiving Sets, Complete Receiving Sets; and Electrical Speed-Regulating Devices for Engines.
*Claims use* since Mar. 1, 1917, on magnetos, coils, combination magneto and generator, impulse starters and parts thereof and connections therefor, and speed-regulating devices for engines, and since April, 1921 on radio receiving and transmitting apparatus and parts thereof.

Ser. No. 218,417. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) KASE-QUINBY RUBBER CO., INC., New York, N. Y. Filed Aug. 5, 1925.

Valclar

*Particular description of goods.*—Rubber Toilet Kits and Traveling Cases.
*Claims use* since Mar. 2, 1925.

Ser. No. 218,496. (CLASS 6. CHEMICALS, MEDICINES, AND PHABMACEUTICAL PREPARATIONS.) MAGIC BLEACH MANUFACTURING CO., Evansville, Ind. Filed Aug. 6, 1925.

MAGIC BLEACH

No claim is made to the word "Bleach" apart from the mark shown.
*Particular description of goods.*—Skin-Bleaching Cream.
*Claims use* since May 21, 1925.

Ser. No. 218,525. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JESSE G. ROZBOOM, Cincinnati, Ohio. Filed Aug. 7, 1925.

WA-LITE

*Particular description of goods.*—Electrical Direction Signal Lights for Motor Vehicles.
*Claims use* since July 18, 1925.

Ser. No. 218,546. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRESNO CHEMICAL CO., Fresno, Calif. Filed Aug. 8, 1925.

FRESNOL

*Particular description of goods.*—General Household Cleaning Preparation with Incidental Disinfecting Properties.
*Claims use* since June 4, 1925.

Ser. No. 218,616. (CLASS 37. PAPER AND STATIONERY.) ERHARD & SOHNE A. G., Gmund, Germany. Filed Aug. 10, 1925.



*Particular description of goods.*—Calendars of Metal for Desks, Corners for Writing Pads, Letter Racks, Stamp Boxes, Blotting Books, Note Books, Writing Sets, Pen Trays, and Letter Clips.
*Claims use* since February, 1923.

Ser. No. 218,664. (CLASS 12. CONSTRUCTION MATERIALS.) ROCKLAND & ROCKPORT LIME CORPORATION, Rockland, Me. Filed Aug. 10, 1925.

FAILPROOF

*Particular description of goods.*—Lime and Plaster Mixtures.
*Claims use* since July 18, 1925.

Ser. No. 218,676. (CLASS 37. PAPER AND STATIONERY.) SAMUEL WARD MANUFACTURING COMPANY, Boston, Mass. Filed Aug. 10, 1925.

A Book of Days

*Particular description of goods.*—Books Composed of Pages of Blank Forms for Insertion of Data.
*Claims use* since July 19, 1925.

Ser. No. 218,802. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ETHERICAL RADIO COMPANY, Bristow, Okla. Filed Aug. 13, 1925.

"THE VOICE OF OKLAHOMA"

*Particular description of goods.*—Radio Receiving Sets.
*Claims use* since Jan. 1, 1925.

Ser. No. 218,862. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE Q. MOON & COMPANY, INC., Binghamton, N. Y. Filed Aug. 14, 1925.

The portrait is that of George Washington (deceased). The words "Fancy Patent" are disclaimed apart from the mark as shown in the drawing.
*Particular description of goods.*—Wheat Flour.
*Claims use* since July 1, 1854.

Ser. No. 218,947. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOONVILLE MILLS COMPANY, Boonville, Mo. Filed Aug. 17, 1925.

SPEEDSTER

*Particular description of goods.*—Self-Rising Wheat Flour.
*Claims use* since May 16, 1923.

Ser. No. 218,951. (CLASS 12. CONSTRUCTION MATERIALS.) BUTTRESS MANUFACTURING CO., Los Angeles, Calif. Filed Aug. 17, 1925.

BUTTRESS B MFG·CO.

*Particular description of goods.*—Wall Board and Plaster Lath.
*Claims use* since Mar. 25, 1925.

Ser. No. 218,967. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O. W. HENDERSON, doing business as Strawberry Point Packing Company, Cordova, Alaska. Filed Aug. 17, 1925.

PINNACLE ROCK

Trade-mark consists of the words "Pinnacle Rock."
*Particular description of goods.*—Canned Minced Clams.
*Claims use* since 1916.

Ser. No. 218,968. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O. W. HENDERSON, doing business as Strawberry Point Packing Company, Cordova, Alaska. Filed Aug. 17, 1925.

STRAWBERRY POINT

Trade-mark consists of the words "Strawberry Point."
*Particular description of goods.*—Canned Minced Clams and Canned Salmon.
*Claims use* since 1922.



Ser. No. 219,038. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MARICOPA CREAMERY COMPANY, Phoenix, Ariz. Filed Aug. 18, 1925.

The lining of the drawing is for shading purposes only.
*Particular description of goods.*—Evaporated Milk.
*Claims use* since May, 1893.

Ser. No. 219,046. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. & A. SCLAFANI, New York, N. Y. Filed Aug. 18, 1925.

"RIVA"

*Particular description of goods.*—Olive Oil.
*Claims use* since Jan. 15, 1923.

Ser. No. 219,109. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLONIAL FIREPLACE COMPANY, Chicago, Ill. Filed Aug. 20, 1925.

GLO-HOT

*Particular description of goods.*—Complete Electric Fireplaces.
*Claims use* since June 3, 1925.

Ser. No. 219,141. (CLASS 12. CONSTRUCTION MATERIALS.) ROBESON PRESERVO COMPANY, Port Huron, Mich. Filed Aug. 20, 1925.

Preservo

*Particular description of goods.*—Liquid Compound for Waterproofing and Weatherproofing Concrete, Stucco, Cement, Brick, and Tile Construction.
*Claims use* since 1919.

Ser. No. 219,164. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BODINE ELECTRIC COMPANY, Chicago, Ill. Filed Aug. 21, 1925.

No claim is made herein to the representation of a motor apart from the mark as shown in the drawing. Exclusive use of the surname "Bodine" is disclaimed except in connection with the other features of the mark as shown in drawing.
*Particular description of goods.*—Electric Motors and Loop Aerials.
*Claims use* since 1915.

Ser. No. 219,174. (CLASS 12. CONSTRUCTION MATERIALS.) THE FLINTKOTE COMPANY, Boston, Mass. Filed Aug. 21, 1925.

HEXTAB

*Particular description of goods.*—Strip Shingles Made from Fibrous Sheet Material Saturated with Compounds.
*Claims use* since on or about Apr. 15, 1925.

Ser. No. 219,191. (CLASS 11. INKS AND INKING MATERIALS.) SIDNEY LICHFIELD, Kansas City, Mo. Filed Aug. 21, 1925.

CHEKPRUF

*Particular description of goods.*—Writing Ink in Liquid and Powdered Form.
*Claims use* since February, 1923.

Ser. No. 219,211. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SUMMIT VARNISH COMPANY, Summit, Ill. Filed Aug. 21, 1925.

Applicant disclaims exclusive right to the word "Spar" apart from the mark shown.
*Particular description of goods.*—Varnish.
*Claims use* since Mar. 10, 1925.

Ser. No. 219,216. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RAYMOND H. BAUR, doing business as The Fore-Runner Manufacturing Company, Bennings, D. C. Filed Aug. 22, 1925.

*Particular description of goods.*—Electric Lamps Used as Automobile Running Lights, Signal Lights, Rear Lights, and Trouble Lights.
*Claims use* since Jan. 1, 1925.

Ser. No. 219,228. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHIEFTAIN RADIO CORPORATION, Chicago, Ill. Filed Aug. 22, 1925.

*Particular description of goods.*—Radio Receiving Sets and Parts Thereof.
*Claims use* since March, 1925.

Ser. No. 219,276. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. C. DRAPER, doing business as Draper Canning Company, Milton, Del. Filed Aug. 24, 1925.

The lining of drawing does not indicate color.
*Particular description of goods.*—Canned Vegetables and Canned Fruits.
*Claims use* since Aug. 5, 1925.

Ser. No. 219,318. (CLASS 37. PAPER AND STATIONERY.) SAMUEL WARD MANUFACTURING COMPANY, Boston, Mass. Filed Aug. 24, 1925.

*Particular description of goods.*—Memoranda Books.
*Claims use* since March, 1925.

Ser. No. 219,340. (CLASS 39. CLOTHING.) BERTRAM LEVY, New York, N. Y. Filed Aug. 25, 1925.

Applicant disclaims the words "Super Quality" apart from the mark.
*Particular description of goods.*—Silk, Wool, and Cotton Hosiery and Knitted Underwear.
*Claims use* since June, 1924.



Ser. No. 219,370. (CLASS 37. PAPER AND STATIONERY.) BIRNIE PAPER COMPANY, Springfield, Mass. Filed Aug. 26, 1925.

*Particular description of goods.*—Writing Paper and Mailing Envelopes.
*Claims use* since Aug. 20, 1925.

Ser. No. 219,398. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MEYER LEVIN, doing business as Jof and Gee Chemical Co., Newark, Ohio. Filed Aug. 26, 1925.

*Particular description of goods.*—Cleanser in Powder Form.
*Claims use* since June 1, 1925.

Ser. No. 219,401. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LUDWIG & LUDWIG, Chicago, Ill. Filed Aug. 26, 1925.

*Particular description of goods.*—Skin Heads of Drums and the Like.
*Claims use* since July 1, 1921.

Ser. No. 219,410. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REICHMANN COMPANY, Chicago, Ill. Filed Aug. 26, 1925.

*Particular description of goods.*—Loud Speakers and Parts Thereof.
*Claims use* since about July 1, 1923.

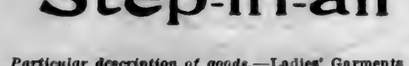
Ser. No. 219,413. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) D. M. STEWARD MFG. COMPANY, Chattanooga, Tenn. Filed Aug. 26, 1925.

*Particular description of goods.*—Radio Receiving Sets.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,438. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINIUM & POLLOK, Tipton, Calif. Filed Aug. 27, 1925.

*Particular description of goods.*—Table Grapes.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,495. (CLASS 39. CLOTHING.) ERNEST W. ROBISCHON, New York, N. Y. Filed Aug. 28, 1925.




*Particular description of goods.*—Ladies' Garments and Underwear of Knitted and Textile Fabric.
*Claims use* since July 6, 1925.

Ser. No. 219,509. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) YOUNG & GRIFFIN COFFEE CO. INC., New York, N. Y. Filed Aug. 28, 1925.

*Particular description of goods.*—Coffee.
*Claims use* since May 8, 1905.

Ser. No. 219,578. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE DENT WOOLEN CO., INC., Cos Cob, Conn. Filed Aug. 31, 1925.

The word "Fabrics" and the surname "Dent" are disclaimed apart from the mark shown on the drawing.
*Particular description of goods.*—Woolen Fabrics.
*Claims use* since June 15, 1925.

Ser. No. 219,609. (CLASS 38. PRINTS AND PUBLICATIONS.) EDWARD SMITH & CO., Long Island City, N. Y. Filed Aug. 31, 1925.

WINNERS

*Particular description of goods.*—Periodicals.
*Claims use* since spring of 1904.

Ser. No. 219,624. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DAVID GRIMES, INC., Jersey City, N. J. Filed Sept. 1, 1925.

No claim is made to the exclusive right to the words "David Grimes" and "Radio Products" except in the form and association shown.
*Particular description of goods.*—Radio Receiving Sets and Parts Thereof.
*Claims use* since Aug. 11, 1925.

Ser. No. 219,640. (CLASS 39. CLOTHING.) PANELON UNDERWEAR COMPANY, INC., Attleboro, Mass. Filed Sept. 1, 1925.

PANALLS

Trade-mark consists of the word "Panalls."
*Particular description of goods.*—Women's and Children's Underwear Made of Knitted or Textile Fabric.
*Claims use* since September, 1923.

Ser. No. 219,641. (CLASS 39. CLOTHING.) PANELON UNDERWEAR COMPANY, INC., Attleboro, Mass. Filed Sept. 1, 1925.

PANSTEPS

Trade-mark consists of the word "Pansteps."
*Particular description of goods.*—Women's and Children's Underwear Made of Knitted or Textile Fabric.
*Claims use* since July, 1923.

Ser No. 219,642. (CLASS 39. CLOTHING.) PANELON UNDERWEAR COMPANY, INC., Attleboro, Mass. Filed Sept. 1, 1925.

PANTEDS

Trade-mark consists in the word "Panteds."
*Particular description of goods.*—Women's and Children's Underwear Made of Knitted or Textile Fabric.
*Claims use* since May, 1923.

Ser. No. 219,643. (CLASS 39. CLOTHING.) PANELON UNDERWEAR COMPANY, INC., Attleboro, Mass. Filed Sept. 1, 1925.

PANSLIPS

Trade-mark consists of the word "Panslips."
*Particular description of goods.*—Women's and Children's Underwear Made of Knitted or Textile Fabric.
*Claims use* since June, 1924.

Ser. No. 219,666. (CLASS 37. PAPER AND STATIONERY.) JOSEPH C. GROFF, Allentown, Pa. Filed Sept. 2, 1925.

BELLOG

*Particular description of goods.*—Charts.
*Claims use* since Aug. 10, 1924.

Ser. No. 219,699. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) D. M. STEWARD MFG. COMPANY, Chattanooga, Tenn. Filed Sept. 2, 1925.

MAGNETROLE

*Particular description of goods.*—Radio Receiving Sets.
*Claims use* since Aug. 1, 1925.



Ser. No. 219,700. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TRANS-LUX DAYLIGHT PICTURE SCREEN CORPORATION, New York, N. Y. Filed Sept. 2, 1925.

TRANS-LUX

*Particular description of goods.*—Screens Upon Which Pictures May Be Projected and Shown in Daylight, Machines for Projection From Transparent Media Upon a Screen, and Stock Ticker Projectors For the Recording of Stock Quotations on Film and the Projection Thereof Upon a Screen, Machines for Projection From Opaque Media Upon a Screen.
*Claims use* since July 1, 1924.

Ser. No. 219,715. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLOMBO COMMERCIAL COMPANY, LTD., London, England, and Colombo, Ceylon. Filed Sept. 3, 1925.

"OAKHURST" BRAND.

No claim is made to the right to exclusive use of the word "Brand" apart from the mark as shown in the drawing.
*Particular description of goods.*—Tea.
*Claims use* since Feb. 9, 1916.

Ser. No. 219,745. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, INC., New York, N. Y. Filed Sept. 3, 1925.

*Harmony Queen*

*Particular description of goods.*—Mouth Harmonicas.
*Claims use* since Aug. 29, 1925.

Ser. No. 219,761. (CLASS 39. CLOTHING.) PERKINS DRY GOODS COMPANY, Dallas, Tex. Filed Sept. 3, 1925.

*Dorothy Perkins*

The trade-mark "Dorothy Perkins" is not the name of an individual, but is fanciful.
*Particular description of goods.*—Ladies', Misses', and Children's Ready-to-Wear Garments—Namely, Scarfs, Chokers, and Wraps, Aprons, Rompers, Cloaks, Shirts, Waists, Suits, Silk and Cotton Dresses, Kimonos, Bath Robes, Middy Blouses, Children's Wash Suits, and Knitted and Textile Underwear Including Gowns, Teddies, Pyjamas, Brassières, Petticoats, Princess Slips, Step-Ins, Bloomers, Camisoles, Corsets, and Vests.
*Claims use* since May, 1925.

Ser. No. 219,762. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIOTEL MANUFACTURING CO., INC., Bay Shore, N. Y. Filed Sept. 3, 1925.

"Radiotel"

No claim is made to the word "Radio" apart from the mark shown in the drawing.
*Particular description of goods.*—Radio Receiving Sets and Parts Thereof.
*Claims use* since Jan. 1, 1924.

Ser. No. 219,765. (CLASS 10. FERTILIZERS.) ROSE CITY COTTON OIL MILL, Little Rock, Ark. Filed Sept. 3, 1925.

SURE SHOT FERTILIZER *Hits the Spot*

No claim is made to the word "Fertilizer" apart from the mark shown.
*Particular description of goods.*—Fertilizer.
*Claims use* since Aug. 11, 1925.

Ser. No. 219,828. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LORRAINE CORPORATION, Chicago, Ill. Filed Sept. 4, 1925.

Lorco

The crosslines on the drawing indicate shading.
*Particular description of goods.*—Electric Driving Lights, Commonly Called Spotlights, for Vehicles.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,870. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BELFLEX CORPORATION, New York, N. Y. Filed Sept. 5, 1925.

No rights are claimed for the words "Silent as Night, Strong as a Tiger" apart from the mark shown in the drawing.

*Particular description of goods.*—Flexible Supporting Members for Parts of Automotive Vehicles and the Like, Particularly Pivot Shackles, Tension Shackles, Motor and Radiator Supports, Radius-Rod Anchors, Torque-Arm Mountings, and Steering and Brake-Rod Connections.
*Claims use* since in or about January, 1925.

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Ser. No. 219,923. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHARLES D. VOORHIS, Cambridge, Mass. Filed Sept. 5, 1925.

Grapsit

No claim is made to the representation of the goods apart from the mark shown in the drawing.
*Particular description of goods.*—Razor-Blade Holder.
*Claims use* since July 20, 1925.

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Ser. No. 219,931. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOZEMAN CANNING CO., Bozeman, Mont. Filed Sept. 8, 1925.

BOZEMAN

A MOUNTAIN OF QUALITY

The word "Bozeman" and "Quality" do not form a part of the mark sought to be registered apart from the mark shown in the drawing.
*Particular description of goods.*—Canned Peas.
*Claims use* since May, 1924.

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Ser. No. 219,968. (CLASS 39. CLOTHING.) LARGMAN, GRAY COMPANY, Philadelphia, Pa. Filed Sept. 8, 1925.

BLUE MOON

*Particular description of goods.*—Full-Fashioned Silk Hosiery for Women.
*Claims use* since May 5, 1925.

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Ser. No. 219,973. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MACHINE SPECIALTY COMPANY, Ann Arbor, Mich. Filed Sept. 8, 1925.

ARBORPHONE

*Particular description of goods.*—Radio Receiving Sets and Component Parts Thereof.
*Claims use* since on or about Mar. 1, 1925.

Ser. No. 219,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEW MIX PRODUCTS, INC., New York, N. Y. Filed Sept. 8, 1925.

NEW-MIX

*Particular description of goods.*—Toilet Lotions, Loose or Compact Face Powder, Toilet Powder, Cosmetics; Face, Nail, and Lip Rouge; Sachets, Mouth Washes, Hand and Face Creams and Lotions, Pomades, and Nail Polish.
*Claims use* since Aug. 5, 1925.

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Ser. No. 220,014. (CLASS 38. PRINTS AND PUBLICATIONS.) ATLANTIC LITHOGRAPHIC AND PRINTING CO., New York, N. Y. Filed Sept. 9, 1925.

ILLUSTRA-COLOR

The word "Color" is disclaimed apart from the mark shown.
*Particular description of goods.*—Lithographic Print.
*Claims use* since July 1, 1925.

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Ser. No. 220,041. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SPRAY PAINT COMPANY, Chicago, Ill. Filed Sept. 9, 1925.

SPRAY PAINT CO.

The name of the proprietor of this mark is disclaimed as a part of the mark sought to be registered.
*Particular description of goods.*—Prepared Liquid Paint.
*Claims use* since Aug. 27, 1925.

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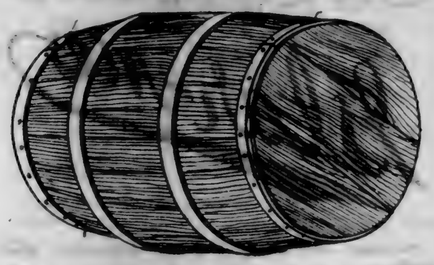
Ser. No. 220,056. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE ZYLOCASE COMPANY, Newark, N. J. Filed Sept. 9, 1925.

The ZYLOCASE COMPANY

No claim is made to the representation of the goods apart from the mark shown on the drawing.
*Particular description of goods.*—Leather Goods and Novelties in the Optical Trade—Namely, Leather Optical-Frame Cases, Leather Pocketbooks, Cardcases, Portfolios, and Small Leather Novelties.
*Claims use* since July 1, 1925.



Ser. No. 220,120. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. B. FORD COMPANY, Wyandotte, Mich. Filed Sept. 11, 1925.



The representation of the barrel appearing in the drawing is disclaimed apart from the mark shown.
*Particular description of goods.*—Cleaning, Cleansing, and Detergent Materials—Particularly Adapted for Use on Marble, Tile, and Other Similar Surfaces.
*Claims use* since Oct. 1, 1907.

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Ser. No. 220,121. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. B. FORD COMPANY, Wyandotte, Mich. Filed Sept. 11, 1925.

The representation of the barrel appearing in the drawing is disclaimed apart from the mark shown.
*Particular description of goods.*—Cleaning and Cleansing Materials for Dishwashing; for General Cleaning in Dairies, Creameries, Bakeries, Factories, Hotels, and Institutions; and for Household Use.
*Claims use* since Jan. 1, 1906.

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Ser. No. 220,124. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. B. FORD COMPANY, Wyandotte, Mich. Filed Sept. 11, 1925.

The representation of the barrel appearing in the drawing is disclaimed apart from the mark shown.
*Particular description of goods.*—Metal Cleaner for Removing Oils, Greases, and Rust-Preventing Compounds from Metals.
*Claims use* since Jan. 1, 1906.



Ser. No. 220,170. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. BANNON, doing business as W. H. Bannon & Co., Providence, R. I. Filed Sept. 12, 1925.

Vogue Dyes

Applicant disclaims the word "Vogue" and the word "Dyes" apart from the association shown.
*Particular description of goods.*—Domestic-fabric dyes.
*Claims use* since Aug. 25, 1925.

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Ser. No. 220,180. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CURTISS CANDY CO., Chicago, Ill. Filed Sept. 12, 1925.

Curtiss
TREASURE

The word "Curtiss" does not form a part of the registration sought apart from the mark.
*Particular description of goods.*—Candy and Candy Bars.
*Claims use* since about July 20, 1921.

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Ser. No. 220,191. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HERMAN W. HOWARD, doing business as H. W. Howard Co., Washington, D. C. Filed Sept. 12, 1925.

MECCA SHINE

No claim is made to the word "Shine" apart from the mark shown.
*Particular description of goods.*—Metal Polish.
*Claims use* since Aug. 17, 1925.

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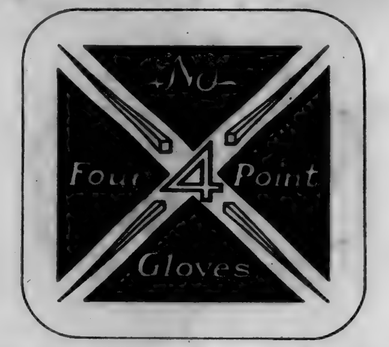
Ser. No. 220,208. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD'S PRODUCTS CO., Chicago, Ill. Filed Sept. 12, 1925.

Ward's

The surname "Ward's" is disclaimed except in the form shown. The trade-mark is a facsimile of the handwriting of Neil C. Ward, vice president of the applicant corporation.
*Particular description of goods.*—Salad Dressings.
*Claims use* since Apr. 1, 1925.

Ser. No. 220,216. (CLASS 39. CLOTHING.) ARCH L. COOK, doing business as Great Northern Glove Company, Bluffton, Ind. Filed Sept. 14, 1925.




Applicant disclaims exclusive right to the use of the word "Gloves."

*Particular description of goods.*—Gloves Constructed of Leather, Rubber, or Fabric or of Combinations of These Materials.

*Claims use* since Oct. 2, 1923.

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Ser. No. 220,217. (CLASS 39. CLOTHING.) LEWIS A. CROSSETT CO., North Abington, Mass. Filed Sept. 14, 1925.

Exclusive use of the word "Arch" is not claimed except as associated with the other features of the mark.

*Particular description of goods.*—Boots and Shoes of Leather, Skins, and Textile Fabrics.

*Claims use* since Feb. 1, 1925.

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Ser. No. 220,286. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CARLILE & DOUGHTY, INC., Philadelphia, Pa. Filed Sept. 15, 1925.

The word "Battery" is disclaimed.

*Particular description of goods.*—Storage Batteries and Plates.

*Claims use* since Aug. 20, 1925.

Ser. No. 220,300. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) EDGAR GARSON, Hollywood, Calif. Filed Sept. 16, 1925.

*Particular description of goods.*—Automobile Windshields.

*Claims use* since July 15, 1925.

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Ser. No. 220,328. (CLASS 39. CLOTHING.) JACOB SILBERMAN, doing business as Lady Lane Mfg. Co., New York, N. Y. Filed Sept. 16, 1925.

No claim is made to the words "Mark of Quality."

*Particular description of goods.*—Negligees, Bath Robes, Lingerie, Knitted and Textile Underwear for Men, Women, and Children.

*Claims use* since 1921.

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Ser. No. 220,335. (CLASS 37. PAPER AND STATIONERY.) CARPENTER PAPER COMPANY, Omaha, Nebr. Filed Sept. 17, 1925.

*Particular description of goods.*—Cardboard, Writing Paper, and Paper Stock for Wedding and Correspondence Stationery.

*Claims use* since Jan. 26, 1917.

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Ser. No. 220,344. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE JONES METAL PRODUCTS COMPANY, West Lafayette, Ohio. Filed Sept. 17, 1925.

*Particular description of goods.*—Baking Set Composed of a Cake Cooler, and Cooking Utensils Used in Connection Therewith.

*Claims use* since July 25, 1925.



Ser. No. 220,349. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MACK-MARK CO., Brooklyn, N. Y. Filed Sept. 17, 1925.

Drawing is lined for red.

*Particular description of goods.*—Table Board Game Played With a Number of Game Pieces.

*Claims use* since Sept. 9, 1925.

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Ser. No. 220,370. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) A. G. SPALDING & BROS., New York, N. Y. Filed Sept. 17, 1925.

No claim is made in the present application to exclusive rights on the surname "Spalding" apart from the mark as shown in the drawing.

*Particular description of goods.*—Bicycles.

*Claims use* since 1893.

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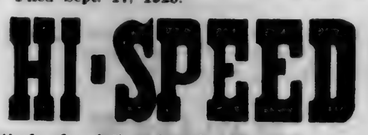
Ser. No. 220,371. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPARKS MILLING COMPANY, Alton, Ill. Filed Sept. 17, 1925.




*Particular description of goods.*—Wheat Flour.

*Claims use* since Apr. 1, 1925.

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Ser. No. 220,379. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE P. E. WELTON ENGINEERING COMPANY, Akron, Ohio. Filed Sept. 17, 1925.

TUBOCOL

No claim is made to the representation of the goods shown in the drawing apart from the mark. Trade-mark "Tubocol."

*Particular description of goods.*—Fuel Briquettes.

*Claims use* since about Sept. 1, 1925.

Ser. No. 220,387. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HERBERT-JOHN CORPORATION, New York, N. Y. Filed Sept. 16, 1925.

Applicant disclaims use of the words "Music" and "Box" apart from the mark shown in the drawing.

*Particular description of goods.*—Radio Loud Speakers and Receiving Sets and/or Parts for Same and/or Attachments or Auxiliary Devices Pertaining to Radio Receiving Sets—Namely, Phones and Battery Eliminators.

*Claims use* since July 1, 1925.

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Ser. No. 220,390. (CLASS 2. RECEPTACLES.) ANDERSON BOX & BASKET CO., Henderson, Ky. Filed Sept. 18, 1925.

Applicant disclaims the word "Box" apart from the mark as shown.

*Particular description of goods.*—Wood and Wire-Woven Boxes, Baskets, and Crates—Namely, Wood and Wire-Woven Returnable Shipping Boxes and Baskets, Delivery Containers Known as Wagon and Auto Boxes Manufactured Without Lids, Can Trunks, and Dog Crates.

*Claims use* since Sept. 25, 1924.

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Ser. No. 220,407. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES HEWITT & SONS CO., Des Moines, Iowa. Filed Sept. 18, 1925.

The picture appearing on the drawing is fanciful.

*Particular description of goods.*—Canned Vegetables—Namely, Lima Beans, String and Wax Beans, Pork and Beans, Peas, Red Beans, Sauerkraut, Tomatoes, Condensed Tomatoes, Beets, Corn, Hominy, Pumpkin, Sweet Potatoes; Canned Fruits—Namely, Apples, Apricots, Blackberries, Cherries, Gooseberries, Loganberries, Pears, Peaches, Plums, Pineapple, Raspberries, Strawberries; Fruit Jams—Namely, Apricot, Blueberry, Blackberry, Cherry, Gooseberry, Loganberry, Pear, Plum, Pineapple, Raspberry, Strawberry, Quince, Pineapple-Apricot, Raspberry-Strawberry; Fruit Jellies—Namely, Currant, Grape, Quince, Raspberry, Strawberry, Apple, Plum, Crab Apple; Canned Sea Food—Namely, Oysters, Salmon; Dried Beef, Mustard; Food-Flavoring Extracts—Namely, Vanilla; Tea, Coffee, Peanut Butter, Vinegar, Cocoa, Canned Prunes.

*Claims use* since Oct. 8, 1910.

Ser. No. 220,416. (CLASS 38. PRINTS AND PUBLICATIONS.) CARL D. NEWTON, doing business as The Fox Company, San Antonio, Tex. Filed Sept. 18, 1925.

THE FOX CO

*Particular description of goods.*—Photographic Prints.
*Claims use* since 1908.

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Ser. No. 220,422. (CLASS 37. PAPER AND STATIONERY.) THE RONKONKOMA WALL PAPER COMPANY, INC., Ronkonkoma, N. Y. Filed Sept. 18, 1925.

*Particular description of goods.*—Wall Paper.
*Claims use* since July 1, 1925.

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Ser. No. 220,423. (CLASS 39. CLOTHING.) DAVID ROTHSCHILD & CO., Columbus, Ga. Filed Sept. 18, 1925.

TRU WEAR

*Particular description of goods.*—Hosiery, Knitted and Textile Underwear; Men's, Women's, and Children's Sweaters, and Sweater Coats and Caps; Men's, Women's, and Children' Hats; Knit Scarfs, Trousers; Men's, Women's, and Children's Coats, and Suits; Knitted and Textile Dress, Negligee, and Work Shirts; Knee Pants, Overalls, Jumpers, Overall Suits, Gloves Made from Leather, Rubber, Fabric, or Combinations Thereof, Collars, and Raincoats.
*Claims use* since May 20, 1924.

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Ser. No. 220,427. (CLASS 11. INKS AND INKING MATERIALS.) STANDARD PRODUCTS CORPORATION, New York, N. Y. Filed Sept. 18, 1925.

ANCRAMITE

*Particular description of goods.*—Typewriter Carbon Paper.
*Claims use* since Aug. 14, 1925.

Ser. No. 220,441. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ANTI-SHIMMIE MANUFACTURING CO., Kansas City, Mo. Filed Sept. 19, 1925.

Anti-Shimmie

*Particular description of goods.*—Bracing Spring for Automobiles.
*Claims use* since Jan. 2, 1923.

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Ser. No. 220,479. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Sept. 19, 1925.

PINTURAS PREPARADAS

No claim is made to the wording apart from the mark as shown in drawing.
*Particular description of goods.*—Paints (Ready Mixed, Paste Form, and Dry), Paint Enamels, Japans, Varnishes, Stains, and Fillers.
*Claims use* since Nov. 30, 1909.

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Ser. No. 220,495. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHASE, ROBERTS & CO., Long Island City, N. Y. Filed Sept. 21, 1925.

KISMET

*Particular description of goods.*—Paints, Varnishes, and Wood Fillers in Liquid and Dry Form.
*Claims use* since Jan. 1, 1892.

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Ser. No. 220,537. (CLASS 37. PAPER AND STATIONERY.) IMPORT PAPER COMPANY, Chicago, Ill. Filed Sept. 21, 1925.

Old Wedgewood Bond

The word "Bond" does not form a part of the registration sought apart from the mark shown in the drawing.
*Particular description of goods.*—Bond Paper.
*Claims use* since May 15, 1925.



Ser. No. 220,549. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) LOUISIANA MOSS PRODUCTS CO. INC., Patterson, La. Filed Sept. 21, 1925.

VERY BEST

The words "Very Best" are disclaimed except in connection with the mark as shown.
*Particular description of goods.*—Cured Ginned Spanish Moss Put up in Bales.
*Claims use* since December, 1924.

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Ser. No. 220,558. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MINUTE CHEMICAL CO., Chicago, Ill. Filed Sept. 21, 1925.

M-C

*Particular description of goods.*—Soap and Cleaners—Namely, for Metals, Bathtubs, Lavatories, Tile Floors, Sinks; Painted, Varnished, and Enameled Surfaces; Automobiles, Furniture, Terra Cotta, Marble, Tile, Walls, Doors, Floors, Window Sills, Interior Woodwork, Ships, Boats, and Railroad Coaches.
*Claims use* since Apr. 16, 1915.

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Ser. No. 220,563. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NEW ERA OPTICAL CO., Chicago, Ill. Filed Sept. 21, 1925.

SKULFLEX

*Particular description of goods.*—Ophthalmic Frames.
*Claims use* since July 1, 1925.

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Ser. No. 220,614. (CLASS 39. CLOTHING.) PANELON UNDERWEAR COMPANY, INC., Attleboro, Mass. Filed Sept. 22, 1925.

"Oh! So Comfy"

Trade-mark consists of the words "Oh! So Comfy."
*Particular description of goods.*—Men's, Women's, and Children's Underwear Made of Knitted or Textile Fabric.
*Claims use* since July, 1923.

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Ser. No. 220,615. (CLASS 39. CLOTHING.) PANELON UNDERWEAR COMPANY, INC., Attleboro, Mass. Filed Sept. 22, 1925.

PANEL-ON

*Particular description of goods.*—Men's, Women's, and Children's Underwear Made of Knitted or Textile Fabric.
*Claims use* since April, 1923.

Ser. No. 220,631. (CLASS 12. CONSTRUCTION MATERIALS.) ATLAS PLYWOOD CORPORATION, Boston, Mass. Filed Sept. 23, 1925.

ATLAS

*Particular description of goods.*—Plywood Panels and Dimension Veneer.
*Claims use* since July 22, 1914.

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Ser. No. 220,635. (CLASS 12. CONSTRUCTION MATERIALS.) ATLAS PLYWOOD CORPORATION, Boston, Mass. Filed Sept. 23, 1925.

No claim is made to the representation of a packing box apart from the mark shown in the drawing.
*Particular description of goods.*—Plywood Panels and Dimension Veneer.
*Claims use* since Aug. 11, 1925.

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Ser. No. 220,671. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORWOOD PHARMACEUTICAL COMPANY, Chicago, Ill. Filed Sept. 23, 1925.

Dr. Tripp's Liquor Rheumatica

The words "Dr. Tripp's" and "Liquor Rheumatica" are disclaimed apart from the mark as shown in the drawing.
*Particular description of goods.*—Preparation for the Treatment of Rheumatism and of Kindred Diseases.
*Claims use* since Aug. 1, 1924.

Ser. No. 220,679. (CLASS 38. PRINTS AND PUBLICATIONS.) ROLAND PUBLISHING COMPANY, New York, N. Y. Filed Sept. 23, 1925.

The OPEN MIND

*Particular description of goods.*—Monthly Publication.
*Claims use* since Sept. 15, 1925.

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Ser. No. 220,709. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WM. T. ELLISON, doing business as Southern Laboratories, Ybor City, Tampa, Fla. Filed Sept. 24, 1925.

Exclusive rights to the words "The Ethical Inunction" and "Ellison" is disclaimed separate and apart from the mark shown in the drawing. The lining in the drawing is for shading only and not to indicate color.
*Particular description of goods.*—Ethical Ointment for the Treatment of Catarrhal Inflammation, Ulcers, Eruptions, Inflamed Mucous Membranes, Vaginitis, Urethritis, Endometritis, Swollen, Inflamed, and Painful Joints, Cuts, Bruises, and Stings and Bites of Insects.
*Claims use* since Dec. 1, 1924.

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Ser. No. 220,749. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) REUBEN WARNER, 2, doing business as Hi-Go Tread Company, St. Paul, Minn. Filed Sept. 24, 1925.

Hi-Go

*Particular description of goods.*—Detachable Treads for Shoes.
*Claims use* since July 8, 1925.

Ser. No. 220,771. (CLASS 39. CLOTHING.) GELBERG & SCHWARTZ, New York, N. Y. Filed Sept. 25, 1925.

Buckseal

Trade-mark consists of the word "Buckseal."
*Particular description of goods.*—Fur Coats.
*Claims use* since Aug. 14, 1925.

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Ser. No. 220,791. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ENGLAND DRESSED MEAT & WOOL COMPANY, Portland, Me., and Boston, Mass. Filed Sept. 25, 1925.

NEDCO

*Particular description of goods.*—Sausages, Hams, Bacon, and Dressed Lamb.
*Claims use* since Mar. 23, 1925.

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Ser. No. 220,863. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. F. PEGGRAM AND COMPANY, La Verne, Calif. Filed Sept. 26, 1925.

The B. L. Catarrh Remedy

No claim is made to the words "The Catarrh Remedy" apart from the mark shown.
*Particular description of goods.*—Medicine for Catarrh, Coughs, Colds, Bronchitis, Asthma, Headache, Toothache, Sore Throat, Rheumatism, Neuralgia, Burns, Bruises, Sprains, and Cuts.
*Claims use* since July 17, 1924.

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Ser. No. 220,875. (CLASS 39. CLOTHING.) THE SEAMLESS RUBBER COMPANY, INC., New Haven, Conn. Filed Sept. 26, 1925.

"DURO-BROCAID"

The word "Brocaid" is disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Bathing Caps and Rubber Household Aprons.
*Claims use* since Apr. 15, 1925.



Ser. No. 220,913. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ORIENTAL MUSIC SHOP, INC., doing business as Oriental Record and Talking Machine Co., New York, N. Y. Filed Sept. 28, 1925.

No claim is made herein to the words "Oriental Record and Talking Machine Co.," "Record," or "Recorded in Egypt" apart from the mark shown in the drawing. The word "Orfenos" (Oppeys) signifies "Orpheus," a mythological Greek character supposed to have received the lyre from Apollo.
*Particular description of goods.*—Phonograph Instruments and the like.
*Claims use* since July, 1925.

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Ser. No. 220,928. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS SUGAR REFINING COMPANY, Texas City, Tex. Filed Sept. 28, 1925.

DIAMOND STAR
CANE SUGAR
BON BON

No claim is made to the words "Cane Sugar" apart from the mark shown. The shading on drawing indicates the colors blue and red.
*Particular description of goods.*—Refined Sugar.
*Claims use* since Aug. 15, 1925.

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Ser. No. 220,949. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES W. HAMBLET, INC., New York, N. Y. Filed Sept. 29, 1925. Under ten-year proviso.

CREAM

*Particular description of goods.*—Coffee.
*Claims use* since February, 1874.

Ser. No. 220,986. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES. ACME STEEL COMPANY, Chicago, Ill. Filed Sept. 30, 1925.

Bound to get there

*Particular description of goods.*—Nailless Steel Straps for Binding Packed Boxes, Shook Tie Fasteners, Corrugated Wood Joint Fasteners, Barbed Box Straps, Bale-Tie Buckles, Shingle Bands, Band Iron, and Flexible Steel Door Mats.
*Claims use* since July 1, 1925.

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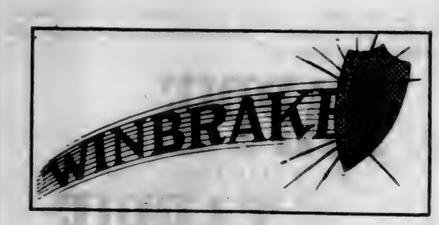
Ser. No. 220,988. (CLASS 39. CLOTHING.) AVEDON & LIGHTMAN, New York, N. Y. Filed Sept. 30, 1925.




*Particular description of goods.*—Ladies', Misses', Juniors', and Children's Dresses, Suits, and Coats.
*Claims use* since Aug. 1, 1925.

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Ser. No. 221,022. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MONARCH CHEMICAL COMPANY, New York, N. Y. Filed Sept. 30, 1925.

KLEPALO

*Particular description of goods.*—Cereal Yeast Food.
*Claims use* since Sept. 24, 1915.

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Ser. No. 221,062. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HELBEIN-STONE COMPANY, INC., New York, N. Y. Filed Oct. 1, 1925.

TEST-RITE

*Particular description of goods.*—Watches, Watchcases, Watch Movements, and Parts of the Same.
*Claims use* since about Jan. 1, 1925.

Ser. No. 221,067. (CLASS 39. CLOTHING.) THE INTERSTATE DRY GOODS SYNDICATE, Huntington, W. Va. Filed Oct. 1, 1925.

*Particular description of goods.*—Hosiery.
*Claims use* since Sept. 15, 1925.

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Ser. No. 221,090. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUNTE BROTHERS, Chicago, Ill. Filed Oct. 2, 1925.

HAPPIE TABBIE

*Particular description of goods.*—Candy.
*Claims use* since Aug. 1, 1925.

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Ser. No. 221,100. (CLASS 39. CLOTHING.) DIXIE UNDERWEAR CO., INC., Montgomery, Ala. Filed Oct. 2, 1925.

Sky-High

*Particular description of goods.*—Men's, Ladies', and Children's Underwear of Textile Fabric, and Hosiery, Sweaters, and Bathing Suits.
*Claims use* since July 1, 1925.

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Ser. No. 221,133. (CLASS 39. CLOTHING.) MIKADO HOSIERY CO., South Bend, Ind. Filed Oct. 2, 1925.

MIKADO

*Particular description of goods.*—Hosiery for Men, Women and Children.
*Claims use* since Aug. 3, 1925.

Ser. No. 221,153. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PERCOLATOR HEATING COMPANY, Indianapolis, Ind. Filed Oct. 2, 1925.

PERK-O-LATOR

*Particular description of goods.*—Oil Heating Devices.
*Claims use* since January, 1925.

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Ser. No. 221,162. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BILT-RYTE BATTERY COMPANY, New Haven, Conn. Filed Oct. 3, 1925.

BILT-RYTE

*Particular description of goods.*—Storage Batteries.
*Claims use* since about Aug. 1, 1924.

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Ser. No. 221,172. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EASTERN ELECTRIC & MFG. CO., Providence, R. I. Filed Oct. 3, 1925.

HEX-CELL

*Particular description of goods.*—Radio Coils and Inductances.
*Claims use* since Mar. 10, 1925.

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Ser. No. 221,206. (CLASS 17. TOBACCO PRODUCTS.) NICK RAFFAELE RENZE, doing business as Renze Cigar Co., Connellsville, Pa. Filed Oct. 3, 1925.

No claim is made to the word "Sigari Italia" apart from the mark shown.
*Particular description of goods.*—Cigars.
*Claims use* since Aug. 4, 1925.

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Ser. No. 221,213. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE STANFORD SEED COMPANY, INC., Buffalo, N. Y. Filed Oct. 3, 1925.

LAKEVIEW

Trade-mark consists of the word "Lakeview".
*Particular description of goods.*—Seeds—Namely, Timothy, Clover, Alsike, Alfalfa, Redtop, Bluegrasses, Rape, Vetches, Amber Cane, Peas, Beans, Millets, Popcorn, Grass Seeds, Grass-seed Mixtures, Seed Corn, and Seed Grains.
*Claims use* since Sept. 1, 1925.



Ser. No. 221,214. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE STANFORD SEED COMPANY, INC., New York, N. Y. Filed Oct. 3, 1925.

DANDY

Trade-mark consists of the word "Dandy".
*Particular description of goods.*—Seeds—Namely, Timothy, Clover, Alsike, Alfalfa, Redtop, Bluegrasses, Rape, Vetches, Amber Cane, Peas, Beans, Millets, Popcorn, Grass Seeds, Grass-seed Mixtures, Seed Corn, and Seed Grains.
*Claims use* since January, 1913.

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Ser. No. 221,234. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) C. L. BRYANT CORPORATION, Cleveland, Ohio. Filed Oct. 5, 1925.

B-LINE
SHORTEST WAY TO HEATING EFFICIENCY

Applicant does not claim herein the phrase "Shortest Way to Heating Efficiency" or any representation of the goods apart from the mark as shown.
*Particular description of goods.*—Steam, Vapor, and Hot-Water Heating Systems; Steam, Vapor, and Hot-Water Boilers; Steam Heaters, Steam Generators, Hot-Water Heaters, Hot-Water Generators, Hot-Water-Storage Systems, and Parts Thereof.
*Claims use* since on or about Mar. 18, 1925.

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Ser. No. 221,235. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) C. L. BRYANT CORPORATION, Cleveland, Ohio. Filed Oct. 5, 1925.

B-LINE

SHORTEST WAY TO HEATING EFFICIENCY

Applicant does not claim herein the phrase "Shortest Way to Heating Efficiency" apart from the mark as shown.
*Particular description of goods.*—Steam, Vapor, and Hot-Water Heating Systems: Steam, Vapor, and Hot-Water Boilers; Steam Heaters, Steam Generators, Hot-Water Heaters, Hot-Water Generators, Hot-Water-Storage Systems, and Parts Thereof.
*Claims use* since on or about Mar. 18, 1925.

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Ser. No. 221,236. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) C. L. BRYANT CORPORATION, Cleveland, Ohio. Filed Oct. 5, 1925.

B-LINE

*Particular description of goods.*—Steam, Vapor, and Hot-Water Heating Systems; Steam, Vapor, and Hot-Water Boilers; Steam Heaters, Steam Generators, Hot-Water Heaters, Hot-Water Generators, Hot-Water-Storage Systems, and Parts Thereof.
*Claims use* since on or about Mar. 18, 1925.

Ser. No. 221,237. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHATTERTON & SON, Lansing, Mich. Filed Oct. 5, 1925.

CHAT'S BEST

No claim is made herein to the name "Best" apart from the mark shown in the drawing.
*Particular description of goods.*—Beans in Their Natural State.
*Claims use* since May, 1925.

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Ser. No. 221,383. (CLASS 39. CLOTHING.) HARRY ROBBINS, doing business as Robbin's Hats, Baltimore, Md. Filed Oct. 7, 1925.




No claim is made to the phrase, "Style Built Hats" nor to the name "Robbin's" and the word "Hat" except in the particular arrangement and association in which they appear with the rest of mark.
*Particular description of goods.*—Hats and Caps for Men, Women, and Children and Ladies' and Misses' Hat Frames and Hat Linings.
*Claims use* since Sept. 30, 1923.

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Ser. No. 221,417. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES W. GOULD, Los Angeles, Calif. Filed Oct. 8, 1925.

SURE-CURE

The words "Sure Cure" are disclaimed apart from the mark as shown.
*Particular description of goods.*—Composition for Stopping Leaks in Radiators, Steam and Hot-water Heating Systems, Water Jackets, and Circulating Pipes.
*Claims use* since Sept. 26, 1925.

Ser. No. 221,461. (CLASS 16. PAINTS AND PAINTER'S MATERIALS.) THE STOCKTON PAINT COMPANY, Stockton, Calif. Filed Oct. 8, 1925.

The trade-mark is colored blue, orange, yellow, and red, as shown by the lining of drawing.

*Particular description of goods.*—Paint, Liquid Paste or Semipaste; House Paint, Porch Paint, Barn and Roof Paint, Inside Floor Paint, Shingle Stain, Oil Stain, Varnish Stain, Automobile Enamel, Decorative Enamel, Flat Wall Paint, Cement Coating, Wagon and Implement Paint, Buggy Paint, Machinery Enamel, Factory Paints, Paint Oils, Color Ingredients (Dry and Ground in Oil), Paint and Varnish Remover, Interior and Exterior Varnish, and Paint Thinners.

*Claims use* since Dec. 28, 1923.

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Ser. No. 221,469. (CLASS 15. OILS AND GREASES.) JOHN O. ABSHIRE, doing business as Abshire Oil Company, Goshen, Ind. Filed Oct. 9, 1925.

GREYGOOSE

The representation of the goose is shown in gray and black, the body being gray, the head and outline being black.

*Particular description of goods.*—Motor Oils and Gasoline.

*Claims use* since August, 1922.

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Ser. No. 221,477. (CLASS 39. CLOTHING.) BUSH & COMPANY, Philadelphia, Pa. Filed Oct. 9, 1925.

Pa-jam-shu

*Particular description of goods.*—Men's, Women's, and Children's Shoes, Slippers, Pumps, and Sandals Made Wholly or Partly of Leather.

*Claims use* since Sept. 15, 1925.

Ser. No. 221,485. (CLASS 2. RECEPTACLES.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Oct. 9, 1925.

EVEREADY

*Particular description of goods.*—Vacuum Bottles.

*Claims use* since Aug. 15, 1925.

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Ser. No. 221,498. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS H. NEILL, doing business as Combeasy Company, Long Beach, Calif. Filed Oct. 9, 1925.

COMBEASY

*Particular description of goods.*—Hairdressing.

*Claims use* since Oct. 1, 1924.

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Ser. No. 221,522. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE VERGON SON & COMPANY, INC., Delaware, Ohio. Filed Oct. 9, 1925.

DELA-HAVEN

*Particular description of goods.*—Fresh Oranges, Grapefruit, and Tangerines.

*Claims use* since December, 1923.

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Ser. No. 221,536. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE DAHL-NILES PRODUCTS, INCORPORATED, Springfield, Ohio. Filed Oct. 10, 1925.

LUCKY KID

*Particular description of goods.*—Kites.

*Claims use* since Sept. 10, 1925.

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Ser. No. 221,634. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. MOONAN, San Bernardino, Calif. Filed Oct. 12, 1925.

MYSTIC

*Particular description of goods.*—Dandruff Remedy.

*Claims use* since Oct. 1, 1925.



Ser. No. 221,639. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIDNEY S. RUSSELL, doing business as The Drysorb Company, St. Louis, Mo. Filed Oct. 12, 1925.

Drysorb

*Particular description of goods.*—Lotion for the Treatment of Hemorrhoidal Complaints.

*Claims use* since Feb. 14, 1925.

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Ser. No. 221,743. (CLASS 39. CLOTHING.) GORDON BROS., Cambridge, Mass. Filed Oct. 15, 1925.

"Toyland"

*Particular description of goods.*—Children's Dresses, Creepers, Rompers, and Play Suits.

*Claims use* since Jan. 1, 1915.

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Ser. No. 221,818. (CLASS 39. CLOTHING.) M. B. HAMILTON & Co., Leavenworth, Kans. Filed Oct. 16, 1925.

MINERS SPECIAL

No claim is made to the word "Special" apart from the mark as shown.

*Particular description of goods.*—Work Gloves, Mittens, and Gauntlets Made from Fabric and Combinations of Fabric and Leather.

*Claims use* since Oct. 1, 1924.

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Ser. No. 221,819. (CLASS 39. CLOTHING.) M. B. HAMILTON & Co., Leavenworth, Kans. Filed Oct. 16, 1925.

SNAPPER

*Particular description of goods.*—Work Gloves, Mittens, and Gauntlets Made from Fabric and Combinations of Fabric and Leather.

*Claims use* since Jan. 1, 1920.

Ser. No. 221,820. (CLASS 39. CLOTHING.) M. B. HAMILTON & Co., Leavenworth, Kans. Filed Oct. 16, 1925.

KORN KING

*Particular description of goods.*—Work Gloves, Mittens, and Gauntlets Made from Fabric and Combinations of Fabric and Leather.

*Claims use* since Jan. 1, 1920.

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Ser. No. 221,821. (CLASS 39. CLOTHING.) M. B. HAMILTON & Co., Leavenworth, Kans. Filed Oct. 16, 1925.

KRIBBER

*Particular description of goods.*—Work Gloves, Mittens, and Gauntlets, made from Fabric and Combinations of Fabric and Leather.

*Claims use* since Jan. 1, 1920.

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Ser. No. 221,822. (CLASS 39. CLOTHING.) M. B. HAMILTON & Co., Leavenworth, Kans. Filed Oct. 16, 1925.

ROAD BUILDER

*Particular description of goods.*—Work Gloves, Mittens, and Gauntlets, made from Fabric and Combinations of Fabric and Leather.

*Claims use* since Jan. 1, 1924.

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Ser. No. 221,823. (CLASS 39. CLOTHING.) M. B. HAMILTON & Co., Leavenworth, Kans. Filed Oct. 16, 1925.

GRADER

*Particular description of goods.*—Work Gloves, Mittens, and Gauntlets made from Fabric and Combinations of Fabric and Leather.

*Claims use* since Jan. 1, 1924.

Ser. No. 221,825. (CLASS 39. CLOTHING.) M. B. HAMILTON & Co., Leavenworth, Kans. Filed Oct. 16, 1925.

RED SEAL

*Particular description of goods.*—Work Gloves, Mittens, and Gauntlets made from Fabric and Combinations of Fabric and Leather.
*Claims use* since May 1, 1925.

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Ser. No. 221,826. (CLASS 39. CLOTHING.) M. B. HAMILTON & Co., Leavenworth, Kans. Filed Oct. 16, 1925.

TALL KORN

*Particular description of goods.*—Work Gloves, Mittens, and Gauntlets made from Fabric and Combinations of Fabric and Leather.
*Claims use* since May 1, 1925.

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Ser. No. 221,828. (CLASS 39. CLOTHING.) M. B. HAMILTON & Co., Leavenworth, Kans. Filed Oct. 16, 1925.

TIPTOP

*Particular description of goods.*—Work Gloves, Mittens, and Gauntlets made from Fabric and Combinations of Fabric and Leather.
*Claims use* since May 1, 1925.

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Ser. No. 221,829. (CLASS 39. CLOTHING.) M. B. HAMILTON & Co., Leavenworth, Kans. Filed Oct. 16, 1925.

KORN BELT

*Particular description of goods.*—Work Gloves, Mittens, and Gauntlets made from Fabric and Combinations of Fabric and Leather.
*Claims use* since May 1, 1925.

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Ser. No. 221,838. (CLASS 17. TOBACCO PRODUCTS.) KINGDOM OF ITALY, Rome, Italy. Filed Oct. 16, 1925.

SANT' ANTONINO

*Particular description of goods.*—Snuff.
*Claims use* since July 1, 1884.

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Ser. No. 221,876. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Oct. 17, 1925.

*Particular description of goods.*—Men's Overcoats, Suits, and Pants; Boys' Suits, Overcoats, Blouses, and Pants; and Men's and Boys' Shirts.
*Claims use* since Feb. 15, 1925.

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Ser. No. 221,885. (CLASS 39. CLOTHING.) ELDER MFG. Co., St. Louis, Mo. Filed Oct. 17, 1925.

GOLDENSHEEN

*Particular description of goods.*—Men's and Boys' Dress and Negligee Shirts and Boys' Blouses.
*Claims use* since June 1, 1925.

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Ser. No. 221,908. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MICHIGAN DRUG CO., Detroit, Mich. Filed Oct. 17, 1925.

LAPILINE.

*Particular description of goods.*—Petroleum Jelly and Compounds of Petroleum Jelly with Witch-Hazel, Petroleum Jelly and Carbolic Acid, Petroleum Jelly and Capsicum, such Jelly and Compounds intended for External use on the Skin, Hair, and other parts of the body.
*Claims use* since about Jan. 1, 1893.



Ser. No. 221,940. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NELS J. BILLSTROM, Rockford, Ill. Filed Oct. 19, 1925.

No claim is made to exclusive use of the words "Billstrom," "The Original," and "Glue Clamp Carriers" apart from the mark as shown.
*Particular description of goods.*—Glue-Clamp Carriers.
*Claims use* since about Aug. 15, 1925.

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Ser. No. 221,961. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE FRANK HEID TRACTOR CO., Columbus, Ohio. Filed Oct. 19, 1925.

SPRA-MOR

*Particular description of goods.*—Power Sprayers.
*Claims use* since March, 1925.

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Ser. No. 221,966. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., Louisville, Ky. Filed Oct. 19, 1925.

125

*Particular description of goods.*—Baseball Bats.
*Claims use* since Jan. 1, 1912.

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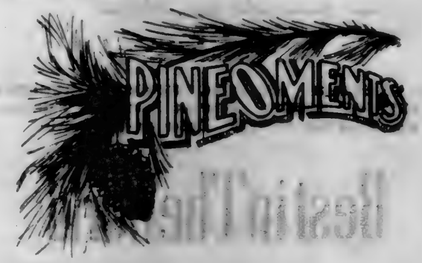
Ser. No. 221,973. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MENTOPINE CORPORATION, Philadelphia, Pa. Filed Oct. 19, 1925.




*Particular description of goods.*—Throat Lozenges.
*Claims use* since July 17, 1925.

Ser. No. 221,978. (CLASS 39. CLOTHING.) SCHOENFELD BROS., INC., Seattle, Wash. Filed Oct. 19, 1925.

The Vital "V"

*Particular description of goods.*—Men's Cravats.
*Claims use* since Sept. 22, 1925.

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Ser. No. 221,995. (CLASS 39. CLOTHING.) WINGET KICKERNICK COMPANY, Minneapolis, Minn. Filed Oct. 19, 1925.

FREEDOM

*Particular description of goods.*—Bloomers and Men's, Women's, and Children's Underwear Constructed of Woven or Knitted Fabric.
*Claims use* since Sept. 15, 1924.

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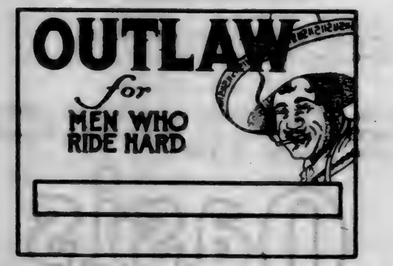
Ser. No. 222,022. (CLASS 39. CLOTHING.) A. B. FRANK COMPANY, San Antonio, Tex. Filed Oct. 20, 1925.




The picture on trade-mark drawing is fanciful and not a portrait of any living individual.
*Particular description of goods.*—Riding Pants or Riding Trousers.
*Claims use* since Oct. 1, 1925.

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Ser. No. 222,084. (CLASS 39. CLOTHING.) KLING BROS. & CO., INC., Chicago, Ill. Filed Oct. 20, 1925.

AMERICAN CITIZEN

*Particular description of goods.*—Coats, Vests, Pants, Overcoats, and Topcoats for Men and Boys.
*Claims use* since Aug. 15, 1924.

Ser. No. 222,057. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. H. WILLIAMS & Co., Buffalo, N. Y. Filed Oct. 20, 1925.

SUPERRENCH

*Particular description of goods.*—Wrenches.
*Claims use* since Oct. 10, 1925.

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Ser. No. 222,059. (CLASS 39. CLOTHING.) BABY BETTY APRON COMPANY, Chicago, Ill. Filed Oct. 21, 1925.

BABY BETTY

*Particular description of goods.*—Slip-On Aprons and Underwaists.
*Claims use* since Mar. 20, 1925.

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Ser. No. 222,064. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN R. EDMISTON, Wildwood, N. J. Filed Oct. 21, 1925.

*Particular description of goods.*—Candy.
*Claims use* since March, 1925.

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Ser. No. 222,084. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. C. MULLINS & Co., Los Angeles, Calif. Filed Oct. 21, 1925.

Oasis

*Particular description of goods.*—Canned Fish.
*Claims use* since July 31, 1925.

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Ser. No. 222,113. (CLASS 39. CLOTHING.) ISAAC GINSBERG & BROS., INC., New York, N. Y. Filed Oct. 22, 1925.

RAYOPAK

*Particular description of goods.*—Women's Dresses.
*Claims use* since about Oct. 15, 1925.

Ser. No. 222,124. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. D. KEENE & Co., Eustis, Fla. Filed Oct. 22, 1925.

Killdee

*Particular description of goods.*—Florida Citrous Fruit in Natural State as Picked from Trees.
*Claims use* since Oct. 20, 1923.

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Ser. No. 222,131. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MERRILL CANDY COMPANY, Merrill, Wis. Filed Oct. 22, 1925.

*Particular description of goods.*—Candy.
*Claims use* since Jan. 1, 1925.

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Ser. No. 222,166. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) DOUGAL BROS., London, England. Filed Oct. 23, 1925.

*Particular description of goods.*—Matches.
*Claims use* since June, 1923.

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Ser. No. 222,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EGBERTON BROTHERS, Baltimore, Md. Filed Oct. 23, 1925. Under ten-year proviso.

Best in The World

*Particular description of goods.*—Wheat Flour.
*Claims use* since 1880.



Ser. No. 222,181. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JACK BEVERAGES, INC., New York, N. Y. Filed Oct. 23, 1925.

*Particular description of goods.*—Nonalcoholic, Nonceresl, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
*Claims use* since Apr. 15, 1921.

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Ser. No. 222,183. (CLASS 39. CLOTHING.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Oct. 23, 1925.

Adoria

*Particular description of goods.*—Ladies' and Misses' Coats, Suits, Gowns, Skirts, Waists, and Sweaters.
*Claims use* since about Sept. 15, 1925.

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Ser. No. 222,185. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) A. OPPENHEIMER & Co., London, England. Filed Oct. 23, 1925.

*Particular description of goods.*—Tobacco Pipes.
*Claims use* since August, 1921.

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Ser. No. 222,206. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULIA A. ABADIE, New Orleans, La. Filed Oct. 24, 1925.

EDGEWOOD

*Particular description of goods.*—Medicine for Blood Regulator or Purifier.
*Claims use* since Aug. 1, 1925.

Ser. No. 222,216. (CLASS 39. CLOTHING.) BONWIT TELLER & Co., New York, N. Y. Filed Oct. 24, 1925.

CLARISE

*Particular description of goods.*—Hosiery.
*Claims use* since Oct. 3, 1925.

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Ser. No. 222,226. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DIAMOND CALK HORSE SHOE CO., Duluth, Minn. Filed Oct. 24, 1925.

DIAMOND

*Particular description of goods.*—Wrenches.
*Claims use* since 1919.

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Ser. No. 222,232. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE B. FRANKEL CO. INC., New York, N. Y. Filed Oct. 24, 1925.

BOB-O-NET

*Particular description of goods.*—Hair Nets.
*Claims use* since about 1921.

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Ser. No. 222,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES W. HOLLENBECK, Clarksburg, Calif. Filed Oct. 24, 1925.

MILL

*Particular description of goods.*—Fresh Vegetables—Namely, Asparagus.
*Claims use* since Apr. 21, 1925.

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Ser. No. 222,272. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIVE SON ORCHARDS COMPANY, Lindsay, Calif. Filed Oct. 24, 1925.

PAKT-RITE

*Particular description of goods.*—Fresh Citrous Fruit.
*Claims use* since Sept. 1, 1925.

Ser. No. 222,278. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Oct. 24, 1925.

IVO

*Particular description of goods.*—Antifreeze Mixture for Radiator Use.
*Claims use* since Sept. 17, 1925.

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Ser. No. 222,293. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VENTURA CITRUS ASSOCIATION, Ventura, Calif. Filed Oct. 24, 1925.

FORGE

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit.
*Claims use* since 1915.

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Ser. No. 222,329. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y. Filed Oct. 26, 1925.

The lining in the drawing indicates pink for the background and gold for the border and lettering. No claim is made to the exclusive use of the words "Venetian," "Odeursans" and "Deodorant" apart from the mark shown.
*Particular description of goods.*—Deodorants.
*Claims use* since January, 1922.

Ser. No. 222,383. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY WALTER MCWHORTER, doing business as The Harold Mack Importing Company (and Mack), Joliet, Ill. Filed Oct. 27, 1925.

*Particular description of goods.*—Face Creams, Face Packs, Face Powders, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorising Preparations, Bath Salts, Smelling Salts, Sachets, and Incense.
*Claims use* since Sept. 20, 1925.

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Ser. No. 222,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MITOX CO., Mentone, Ind. Filed Oct. 27, 1925.

MITOX

*Particular description of goods.*—Insecticide.
*Claims use* since July 1, 1924.

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Ser. No. 222,418. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Oct. 27, 1925.

CARIPEPTIC

*Particular description of goods.*—Liquid and Tablets for Digestive Disorders.
*Claims use* since January, 1902.

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Ser. No. 222,421. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN AVATOR COMPANY, INC., New York, N. Y. Filed Oct. 28, 1925.

SUBIDIN

*Particular description of goods.*—Germicide for External Use.
*Claims use* since May 13, 1924.



Ser. No. 222,438. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BRITISH DRUG HOUSES, LIMITED, London, England. Filed Oct. 28, 1925.

BOROCAINE

*Particular description of goods.*—Anæsthetic.
*Claims use* since June 11, 1925.

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Ser. No. 222,484. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. FRANK A. ROSS, doing business as The Anne Laboratories, Chicago, Ill. Filed Oct. 28, 1925.

ROSOL

*Particular description of goods.*—Local Anæsthetic.
*Claims use* since Oct. 19, 1925.

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Ser. No. 222,489. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE VAUGHN MACHINERY COMPANY, Cuyahoga Falls, Ohio. Filed Oct. 28, 1925.

MOTOBLOC

*Particular description of goods.*—Wire-Drawing Machines and Parts Thereof.
*Claims use* since Sept. 18, 1925.

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Ser. No. 222,522. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. G. ROBINSON LETTUCE FARMS, INC., Monroe, Wash. Filed Oct. 29, 1925.

"DEWKRISP"

*Particular description of goods.*—Lettuce.
*Claims use* since June 29, 1925.

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Ser. No. 222,574. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PERLORA MANUFACTURING COMPANY, Springfield, Mass. Filed Oct. 30, 1925.

PERLORA

*Particular description of goods.*—Tooth Powder.
*Claims use* since Oct. 15, 1925.



Ser. No. 222,666. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES E. CRAIN, doing business as S. & C. Laboratories, San Antonio, Tex. Filed Nov. 2, 1925.

ZEFALON

*Particular description of goods.*—Medicine in Capsule Form for Use in the Treatment of Obesity.
*Claims use* since February, 1925.

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Ser. No. 222,686. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY & COMPANY, Indianapolis, Ind. Filed Nov. 2, 1925.

THY-MONE

*Particular description of goods.*—Medicine or Pharmaceutical Preparation, Extract of the Thymus Gland Containing the Active Principle of That Gland, a Liquid Preparation Used in the Treatment of Arthritis and Rachitis.
*Claims use* since Oct. 14, 1925.

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Ser. No. 222,687. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY & COMPANY, Indianapolis, Ind. Filed Nov. 2, 1925.

OVARI-MONE

*Particular description of goods.*—Medicine or Pharmaceutical Preparation, Extract of the Ovarian Gland, Containing the Active Principle of That Gland, a Liquid Preparation Used in the Treatment of Amenorrhea and the Disturbances Due to the Menopause.
*Claims use* since Oct. 14, 1925.

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Ser. No. 222,688. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY & COMPANY, Indianapolis, Ind. Filed Nov. 2, 1925.

COR-LU-MONE

*Particular description of goods.*—Medicine or Pharmaceutical Preparation, Extract of Corpus Luteum, Containing the Active Principle of the Corpus Luteum, a Liquid Preparation Used in the Treatment of Amenorrhea and the Vomiting of Pregnancy.
*Claims use* since Oct. 14, 1925.

Ser. No. 222,689. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY & COMPANY, Indianapolis, Ind. Filed Nov. 2, 1925.

# ORCHI-MONE

*Particular description of goods.*—Medicine or Pharmaceutical Preparation, Extract Containing Active Orchic Substance, a Liquid Preparation Used in the Treatment of Impotence and Sexual Neurosis.

*Claims use* since Oct. 14, 1925.

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Ser. No. 222,690. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY & COMPANY, Indianapolis, Ind. Filed Nov. 2, 1925.

# PINEA-MONE

*Particular description of goods.*—Medicine or Pharmaceutical Preparation, Extract of the Pineal Gland Containing the Active Principle of That Gland, a Liquid Preparation Used in the Treatment of Retarded Mentality in Children.

*Claims use* since Oct. 14, 1925.

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Ser. No. 222,691. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY & COMPANY, Indianapolis, Ind. Filed Nov. 2, 1925.

# HE-PAR-MONE

*Particular description of goods.*—Medicine or Pharmaceutical Preparation, an Extract of the Liver Containing Those Active Principles of the Liver Which Reduce Essential Arterial Hypertension, a Liquid Preparation Used Therapeutically to Reduce Essential Arterial Hypertension.

*Claims use* since Oct. 14, 1925.

Ser. No. 222,692. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY & COMPANY, Indianapolis, Ind. Filed Nov. 2, 1925.

# THYRO-MONE

*Particular description of goods.*—Medicine or Pharmaceutical Preparation, Extract Made from Thyroid Gland Containing the Active Principle of That Gland, Liquid Preparation for Use in the Treatment of Cretinism, Myxedema, and Hypothyroidism.

*Claims use* since Oct. 14, 1925.

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Ser. No. 222,751. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUBIN, INC., Wilmington, Del., and New York, N. Y. Filed Nov. 3, 1925.

# MONBROSIA

*Particular description of goods.*—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brilliantine, Lotion for the Skin and Hair, Bath Salts, and Dentifrices.

*Claims use* since Sept. 1, 1925.

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Ser. No. 222,760. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ST. DENIS, New York, N. Y. Filed Nov. 3, 1925.

# BIRCH BUDS

*Particular description of goods.*—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonic, Hair Oils, Dentifrices, Tooth Powders, Talcum Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Sachets, and Incense.

*Claims use* since Apr. 21, 1925.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

DECEMBER 8, 1925.

206,552. OLIVE OIL. MARTÍ Y GUTIÉRREZ, Alcalá de Guadaira, Seville, Spain.
Filed May 26, 1923. Serial No. 181,203. PUBLISHED SEPTEMBER 29, 1925.

206,553. ANCHOVIES. HIJOS DE C. ALBO, Santona, Spain.
Filed February 19, 1924. Serial No. 192,513. PUBLISHED AUGUST 25, 1925.

206,554. SHOE LACES. NATHAN BERK, doing business as Berk Lace & Braid Mfg. Co., Providence, R. I.
Filed March 4, 1924. Serial No. 193,210. PUBLISHED JULY 21, 1925.

206,555. CANNED FRUITS, VEGETABLES, FRUIT SALADS, SAUERKRAUT, CRANBERRY SAUCE, TOMATO CATCHUP, PICKLES, CIDER VINEGAR, GUAVA JELLY, AND SPICES AND RAISINS. REID, MURDOCH & Co., Chicago, Ill.
Filed June 25, 1924. Serial No. 199,128. PUBLISHED SEPTEMBER 29, 1925.

206,556. STAMPED-METAL HANDLE TOPS FOR D-HANDLES FOR SHOVELS, FORKS, AND SPADES. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio.
Filed July 8, 1924. Serial No. 199,740. PUBLISHED APRIL 28, 1925.

206,557. CERTAIN NAMED MEDICINAL PREPARATIONS. CHEMISCHE WERKE GRENZACH AKTIENGESELLSCHAFT, Grenzach, Germany.
Filed September 23, 1924. Serial No. 202,927. PUBLISHED SEPTEMBER 8, 1925.

206,558. CAPES, FURS, CORSETS, COATS, CLOAKS, SUITS, DRESSES, HOSIERY, UNDERWEAR, GLOVES, HATS, SHOES, ALL FOR WOMEN'S WEAR. M. S. SCHEINMAN & Co. INC., New York, N. Y.
Filed October 2, 1924. Serial No. 203,833. PUBLISHED SEPTEMBER 29, 1925.

206,559. FRESH MELONS, PEACHES, AND CANTALOUPES. ERNEST C. BAUMAN, Modesto, Calif.
Filed November 4, 1924. Serial No. 204,812. PUBLISHED SEPTEMBER 29, 1925.

206,560. MEDICINE FOR THE TREATMENT OF ASTHMA. JEROME L. STERN, Tucson, Ariz.
Filed November 15, 1924. Serial No. 205,575. PUBLISHED SEPTEMBER 29, 1925.

206,561. DATES. A. RANNOU ET CIE., Marseille, France.
Filed January 13, 1925. Serial No. 208,067. PUBLISHED APRIL 21, 1925.

206,562. PORK SAUSAGE. THE C. KALBITZER PACKING COMPANY, Wheeling, W. Va.
Filed January 30, 1925. Serial No. 208,852. PUBLISHED SEPTEMBER 29, 1925.

206,563. LIQUID ANTISEPTIC. BALSAMEA LABORATORIES, INCORPORATED, San Francisco, Calif.
Filed February 16, 1925. Serial No. 209,611. PUBLISHED SEPTEMBER 29, 1925.

206,564. IODINE PEROXIDE OF HYDROGEN. JOHN BOHLANDER, doing business as IPOH Chemical Company, Cincinnati, Ohio.
Filed April 8, 1925. Serial No. 212,368. PUBLISHED SEPTEMBER 8, 1925.

206,565. LAXATIVES. SAN-I-SAL LABORATORIES, INC., Washington, D. C.
Filed April 25, 1925. Serial No. 213,321. PUBLISHED JUNE 23, 1925.

206,566. BOOTS AND SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. HELMHOLZ SHOE MFG. CO., Cudahy, Milwaukee, Wis.
Filed May 1, 1925. Serial No. 213,642. PUBLISHED SEPTEMBER 8, 1925.

206,567. CANNED VEGETABLES. CHAS. T. WRIGHTSON & SON, Easton, Md.
Filed May 5, 1925. Serial No. 213,874. PUBLISHED SEPTEMBER 29, 1925.

206,568. OVERCOATS; SPORTING SUITS FOR MEN, WOMEN, AND CHILDREN; PULL-OVERS, JACKETS; SPENCERS—NAMELY, A SLEEVELESS WAISTCOAT FOR MEN AND WOMEN; ETC. WALLACE, SCOTT & Co., LIMITED, Cathcart, Glasgow, Scotland.
Filed May 11, 1925. Serial No. 214,194. PUBLISHED SEPTEMBER 29, 1925.

206,569. SALVE OR OINTMENT FOR ECZEMA. ASAD G. MILKIE, New York, N. Y.
Filed May 20, 1925. Serial No. 214,608; PUBLISHED SEPTEMBER 29, 1925.

206,570. WOMEN'S, MISSES', AND CHILDREN'S KNITTED AND WOVEN UNDERWEAR IN ONE, TWO, AND THREE PIECE GARMENTS; CHEMISES, STEP-INS, DRAWERS, BLOOMERS, VESTS, CAMISOLES, AND COMBINATION SUITS. AMERICAN LADY CORSET CO., Detroit, Mich.
Filed June 1, 1925. Serial No. 215,123. PUBLISHED SEPTEMBER 29, 1925.

206,571. BREATH DEODORANTS. HENRY A. HAMPTON, doing business as Sunshine Breath Co., West Frankfort, Ill.
Filed June 5, 1925. Serial No. 215,370. PUBLISHED SEPTEMBER 8, 1925.

206,572. WHEAT FLOUR. WELLS-ABBOTT-NIEMAN CO. INC., Schuyler, Nebr.
Filed July 13, 1925. Serial No. 217,312. PUBLISHED SEPTEMBER 29, 1925.

206,573. DRESSES. SHERR BROS., New York, N. Y.
Filed August 1, 1925. Serial No. 218,275. PUBLISHED SEPTEMBER 29, 1925.

206,574. NEGLIGEE AND DRESS SHIRTS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed August 1, 1925. Serial No. 218,245. PUBLISHED SEPTEMBER 29, 1925.

206,575. FOOT DEODORANT. JOSEPH KOFFS, Philadelphia, Pa.
Filed July 31, 1925. Serial No. 218,187. PUBLISHED SEPTEMBER 29, 1925.

206,576. FLY-REPELLING PREPARATION. DAVID F. BURNS, doing business as The Nimro Company, Boston, Mass.
Filed July 31, 1925. Serial No. 218,162. PUBLISHED SEPTEMBER 29, 1925.

206,577. MEN'S OVERCOATS AND SUITS. SHERMAN & SONS INC., Louisville, Ky.
Filed July 30, 1925. Serial No. 218,145. PUBLISHED SEPTEMBER 29, 1925.

206,578. BOYS' SUITS, INCLUDING COATS, VESTS, AND TROUSERS. THE HUB, Baltimore, Md., and also doing business as The Hecht Company, Washington, D. C.
Filed July 30, 1925. Serial No. 218,123. PUBLISHED SEPTEMBER 29, 1925.

206,579. HOSIERY. JOHN E. LUDDY, doing business as The Windsor Company, Windsor, Conn.
Filed July 29, 1925. Serial No. 218,071. PUBLISHED SEPTEMBER 29, 1925.

206,580. MEDICINE FOR RHEUMATISM. JOHN HENRY BROWN, Philadelphia, Pa.
Filed July 28, 1925. Serial No. 217,984. PUBLISHED SEPTEMBER 29, 1925.

206,581. OINTMENT THAT IS EMPLOYED FOR GENERAL HEALING PURPOSES. ORION PHARMACAL CO., Los Angeles, Calif.
Filed July 27, 1925. Serial No. 217,952. PUBLISHED SEPTEMBER 29, 1925.

206,582. MEN'S SUITS, OVERCOATS, TOPCOATS, PANTS, VESTS, CAPS, HATS, AND OUTDOOR JACKETS. THE LANGROCK CLOTHING COMPANY, INC., New Haven, Conn.
Filed July 27, 1925. Serial No. 217,936. PUBLISHED SEPTEMBER 29, 1925.

206,583. CERTAIN TOILET PREPARATIONS. THE J. R. WATKINS COMPANY, Winona, Minn.
Filed July 25, 1925. Serial No. 217,908. PUBLISHED SEPTEMBER 29, 1925.

206,584. TABLETS USED AS A MEDICAL TONIC FOR DOGS. ROBERT HOODS SELTZER, doing business as Hoode Laboratories, Philadelphia, Pa.
Filed July 24, 1925. Serial No. 217,836. PUBLISHED SEPTEMBER 8, 1925.

206,585. SALT. SMOKED PRODUCTS COMPANY, Cincinnati, Ohio.
Filed August 3, 1925. Serial No. 218,339. PUBLISHED SEPTEMBER 29, 1925.

206,586. EFFERVESCENT SODIUM-PHOSPHATE COMPOUND. H. K. MULFORD COMPANY, Philadelphia, Pa.
Filed August 4, 1925. Serial No. 218,366. PUBLISHED SEPTEMBER 29, 1925.

206,587. COLLOIDAL PREPARATION OF A SILVER PROTEIN. H. K. MULFORD COMPANY, Philadelphia, Pa.
Filed August 4, 1925. Serial No. 218,368. PUBLISHED SEPTEMBER 29, 1925.

206,588. HOSIERY. VERTEX HOSIERY MILLS, INC., Weissport, Pa.
Filed August 4, 1925. Serial No. 218,381. PUBLISHED SEPTEMBER 29, 1925.

206,589. PERFUME. BEST & CO., INC., New York, N. Y.
Filed August 5, 1925. Serial No. 218,387. PUBLISHED SEPTEMBER 29, 1925.

206,590. CHEMICAL CLEANSER FOR COOLING SYSTEM OF INTERNAL-COMBUSTION ENGINE. CHARLES L. FUNNELL, Yonkers, N. Y.
Filed August 5, 1925. Serial No. 218,404. PUBLISHED SEPTEMBER 29, 1925.

206,591. MEDICINAL PREPARATION USED FOR THE TREATMENT OF SPRAINS, BRUISES, SORE AND STIFF MUSCLES, SHIN SPLINTS, RHEUMATISM AND LUMBAGO, AND LIKE AILMENTS. IMA PRODUCTS CORPORATION, Los Angeles, Calif.
Filed August 5, 1925. Serial No. 218,413. PUBLISHED SEPTEMBER 29, 1925.

206,592. MEDICINAL PREPARATION—VIZ, SIRUP FOR THE TREATMENT OF COUGHS, COLDS, CROUP, HOARSENESS, BRONCHITIS, AND THE LIKE. LAUBER & LAUBER CO., Chicago, Ill.
Filed August 5, 1925. Serial No. 218,420. PUBLISHED SEPTEMBER 29, 1925.

206,593. LAXATIVE DRINKING WATER. BINGO SPRINGS LABORATORIES, Sherman, Calif.
Filed August 7, 1925. Serial No. 218,447. PUBLISHED SEPTEMBER 29, 1925.

206,594. CHEMICALS FOR COMPOUNDING RUBBER, SUCH AS DIPHENYLGUANIDINE. DOVAN CHEMICAL CORPORATION, New York, N. Y.
Filed August 7, 1925. Serial No. 218,452. PUBLISHED SEPTEMBER 29, 1925.

206,595. DANDRUFF AND SCALP REMEDY. JERRY C. FALVEY, doing business as Metho Chemical Company, El Dorado, Ark.
Filed August 7, 1925. Serial No. 218,455. PUBLISHED SEPTEMBER 29, 1925.

206,596. MEDICINAL PREPARATIONS FOR THE PREVENTION AND TREATMENT OF POULTRY DISEASES. THE HALLER COMPANY, Blair, Nebr.
Filed August 7, 1925. Serial No. 218,458. PUBLISHED SEPTEMBER 29, 1925.

206,597. INSECTICIDE, DISINFECTANT, AND DEODORANT. HYGIENIC SANITATION COMPANY, Philadelphia, Pa.
Filed August 7, 1925. Serial No. 218,459. PUBLISHED SEPTEMBER 29, 1925.

206,598. CANNED VEGETABLES. HANOVER CANNING COMPANY, Hanover, Pa.
Filed August 10, 1925. Serial No. 218,638. PUBLISHED SEPTEMBER 29, 1925.

206,599. CANDY. THE CRANE CHOCOLATE CO., Cleveland, Ohio.
Filed August 12, 1925. Serial No. 218,739. PUBLISHED SEPTEMBER 29, 1925.

206,600. CANDY. CRYSTAL CANDY COMPANY, Winston-Salem, N. C.
Filed August 12, 1925. Serial No. 218,740. PUBLISHED SEPTEMBER 29, 1925.

206,601. CANDY. MARY CELESTE BRADLEY, Chicago, Ill.
Filed August 13, 1925. Serial No. 218,788. PUBLISHED SEPTEMBER 29, 1925.

206,602. TALCUM POWDERS, FACE POWDERS, SACHETS, TOILET, WATERS, AND PERFUMES. TOKALON CHEMICAL CORPORATION, New York, N. Y.
Filed July 23, 1925. Serial No. 217,805. PUBLISHED SEPTEMBER 29, 1925.

206,603. CANNED TOMATOES. CORRADO BROS., New York, N. Y.
Filed July 24, 1925. Serial No. 217,819. PUBLISHED SEPTEMBER, 29, 1925.

206,604. REMEDIES FOR SECONDARY AND TERTIARY SYPHILIS, ANGINA PECTORIS, BRONCHIAL ASTHMA, AND ARTERIOSCLEROSIS. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed July 24, 1925. Serial No. 217,825. PUBLISHED SEPTEMBER 8, 1925.

206,605. CERTAIN NAMED TOILET PREPARATIONS. DENNEY & DENNEY, Philadelphia, Pa.
Filed July 18, 1925. Serial No. 217,548. PUBLISHED SEPTEMBER 8, 1925.

206,606. BLEACHING WATERS. IDEAL BLEACHING WATER CO., San Francisco, Calif.
Filed July 18, 1925. Serial No. 217,559. PUBLISHED SEPTEMBER 29, 1925.

206,607. CERTAIN TOILET PREPARATIONS. ALBERT EDELSTEIN, doing business as Monte Christo Cosmetic Co., New York, N. Y.
Filed July 22, 1925. Serial No. 217,702. PUBLISHED SEPTEMBER 8, 1925.

206,608. CERTAIN TOILET PREPARATIONS. ALBERT EDELSTEIN, doing business as Monte Christo Cosmetic Co., New York, N. Y.
Filed July 22, 1925. Serial No. 217,703. PUBLISHED SEPTEMBER 8, 1925.



206,609. SOLUBLE SULPHUR COMPOUND FOR SOIL TREATMENT. A. R. GREGORY, San Francisco, Calif.
Filed July 22, 1925. Serial No. 217,707. PUBLISHED SEPTEMBER 8, 1925.

206,610. BLUING. LUTHER FORD & COMPANY, Minneapolis, Minn.
Filed July 22, 1925. Serial No. 217,717. PUBLISHED SEPTEMBER 8, 1925.

206,611. BLUING. LUTHER FORD & COMPANY, Minneapolis, Minn.
Filed July 22, 1925. Serial No. 217,718. PUBLISHED SEPTEMBER 8, 1925.

206,612. ACETYL SALICYLIC ACID. MONSANTO CHEMICAL WORKS, St. Louis, Mo.
Filed July 22, 1925. Serial No. 217,724. PUBLISHED SEPTEMBER 8, 1925.

206,613. GERMICIDES, DISINFECTANTS, DEODORANTS, AND CHLORAMINE T. MONSANTO CHEMICAL WORKS, St. Louis, Mo.
Filed July 22, 1925. Serial No. 217,725. PUBLISHED SEPTEMBER 8, 1925.

206,614. LOTION FOR REMOVING WRINKLES. OPPENHEIM & CO., New York, N. Y.
Filed July 22, 1925. Serial No. 217,731. PUBLISHED SEPTEMBER 8, 1925.

206,615. CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. SMITH, KLINE & FRENCH COMPANY, Philadelphia, Pa.
Filed July 22, 1925. Serial No. 217,739. PUBLISHED SEPTEMBER 8, 1925.

206,616. COMPOSITION USED AS AN ANTISEPTIC, GERMICIDE, FUNGICIDE, DEODORANT, ASTRINGENT, MOUTH WASH AND GARGLE. WILLIAM MADISON WALSH, JR., doing business as Phenodine Chemical Company, Plainfield, N. J.
Filed July 22, 1925. Serial No. 217,743. PUBLISHED SEPTEMBER 8, 1925.

206,617. CERTAIN TOILET PREPARATIONS. THE BABBITT COMPANY, doing business as Babbitt Perfumers, Philadelphia, Pa.
Filed July 24, 1925. Serial No. 217,811. PUBLISHED SEPTEMBER 29, 1925.

206,618. MEDICINAL PREPARATION FOR THE TREATMENT OF ALL FORMS OF RHEUMATISM, GOUT, SCIATICA, LUMBAGO, RHEUMATIC FEVER, MUSCULAR CRAMPS, STIFF AND SWOLLEN JOINTS. WALTER H. WYSZYNSKI, doing business as The Inpefesto Medicine Co., (not Inc.), Chicago, Ill.
Filed July 22, 1925. Serial No. 217,748. PUBLISHED SEPTEMBER 8, 1925.

206,619. A CARDIOTONIC. P. BEIERSDORF & CO. INC., New York, N. Y.
Filed July 23, 1925. Serial No. 217,753. PUBLISHED SEPTEMBER 8, 1925.

206,620. LICE POWDER. I. B. ROGERS COMPANY, Danville, Ill.
Filed July 23, 1925. Serial No. 217,799. PUBLISHED SEPTEMBER 29, 1925.

206,621. CORSETS, BRASSIÈRES, AND UNDERWEAR OF TEXTILE FABRIC FOR WOMEN. KOPS BROS. INC., New York, N. Y.
Filed June 22, 1925. Serial No. 216,188. PUBLISHED SEPTEMBER 8, 1925.

206,622. HAIR TONIC. YVETTE CO., New York, N. Y.
Filed June 24, 1925. Serial No. 216,373. PUBLISHED SEPTEMBER 8, 1925.

206,623. HAIR TONIC. FENI FEDERICO, New York, N. Y.
Filed June 29, 1925. Serial No. 216,592. PUBLISHED SEPTEMBER 8, 1925.

206,624. AN OINTMENT FOR THE TREATMENT OF COUGHS, CHEST COLDS, BRONCHITIS, SORE THROAT, CROUP, AND WHOOPING COUGH. KOENIG MEDICINE CO., Chicago, Ill.
Filed June 29, 1925. Serial No. 216,608. PUBLISHED SEPTEMBER 8, 1925.

206,625. MEDICINAL PLASTERS ADAPTED TO BE APPLIED TO A PERSON'S BACK FOR SPINAL TREATMENT. ELLER C. LUND, Buffalo, N. Y.
Filed June 29, 1925. Serial No. 216,617. PUBLISHED SEPTEMBER 8, 1925.

206,626. EYEDROP. OPTICAL CHEMICAL CO., La Porte, Ind.
Filed June 29, 1925. Serial No. 216,633. PUBLISHED SEPTEMBER 8, 1925.

206,627. A MOTOR FUEL CONSTITUENT, SUCH AS AN ADJUNCT COMPOUND FOR LIQUID FUELS AS GASOLINE OR THE LIKE TO INCREASE THE POWER, PREVENT CARBONIZING IN THE CYLINDER, AND OTHER ADVANTAGES. GEORGE WISHART, New York, N. Y.
Filed June 30, 1925. Serial No. 216,705. PUBLISHED SEPTEMBER 8, 1925.

206,628. LIVESTOCK REMEDIES USED IN THE TREATMENT OF NECROTIC ENTERITIS, SWINE INFLUENZA, AND WHITE SCOURS. HIRSCHAUER SPECIALTY CO. INC., Sioux City, Iowa.
Filed July 6, 1925. Serial No. 216,908. PUBLISHED SEPTEMBER 15, 1925.

206,629. ANODYNE ANTISEPTIC. ALDUS ARTHUR HOOPMAN, doing business as The Mentholdyne Company, Seattle, Wash.
Filed July 6, 1925. Serial No. 216,909. PUBLISHED SEPTEMBER 15, 1925.

206,630. LYE. THE MATHIESON ALKALI WORKS, New York, N. Y.
Filed July 6, 1925. Serial No. 216,920. PUBLISHED SEPTEMBER 15, 1925.

206,631. PREPARATION USED TO PREVENT SUNBURN. JOHN E. MCBRADY, doing business as J. E. McBrady & Company, Chicago, Ill.
Filed July 6, 1925. Serial No. 216,921. PUBLISHED SEPTEMBER 15, 1925.

206,632. FRESH CANTALOUPES. IRA D. HALE, doing business as C. H. Weaver & Co., Chicago, Ill.
Filed July 8, 1925. Serial No. 217,026. PUBLISHED SEPTEMBER 8, 1925.

206,633. TOILET POWDER. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed July 8, 1925. Serial No. 217,030. PUBLISHED SEPTEMBER 15, 1925.

206,634. COMPOUND FOR MENDING LEAKS IN AUTOMOBILE RADIATORS AND OTHER PARTS OF WATER-CIRCULATING SYSTEMS. CLAUDE R. MEEKER, doing business as Lek-No Mfg. Co., Pana, Ill.
Filed July 9, 1925. Serial No. 217,106. PUBLISHED SEPTEMBER 15, 1925.

206,635. CHEMICAL BATH TO PREVENT TARNISH. SILV-O-LAC CORPORATION, St. Louis, Mo.
Filed July 9, 1925. Serial No. 217,116. PUBLISHED SEPTEMBER 15, 1925.

206,636. LUNG AND NERVE PREPARATION. CRAWFORD REMEDY CO., Edwardsport, Ind.
Filed June 20, 1922. Serial No. 165,748. PUBLISHED SEPTEMBER 15, 1925.

206,637. MEDICINE FOR PROMOTING GENESIS AMONG ANIMALS. JOHN NICHOLAS TSAOUSSIS & SON, New York, N. Y.
Filed July 26, 1924. Serial No. 200,587. PUBLISHED SEPTEMBER 15, 1925.

206,638. GENERAL MEDICINAL TONIC. E. MARONE & Co., Turin, Italy.
Filed October 1, 1924. Serial No. 203,278. PUBLISHED SEPTEMBER 15, 1925.

206,639. LADIES', MEN'S, AND CHILDREN'S HATS, CAPS, SWEATERS, MUFFLERS, AND LEGGINGS. ALDINE KNITTING MILLS, Philadelphia, Pa.
Filed December 23, 1924. Serial No. 207,113. PUBLISHED SEPTEMBER 15, 1925.

206,640. BOOTS AND SHOES OF LEATHER AND FABRIC, LEATHER AND RUBBER, RUBBER AND FABRIC, CANVAS, AND COMBINATIONS OF EACH. THE LYNCHBURG SHOE COMPANY, INC., Lynchburg, Va.
Filed January 21, 1925. Serial No. 208,411. PUBLISHED SEPTEMBER 15, 1925.

206,641. TIMBER, LUMBER, CROSS TIES, POLES, POSTS, PAVING BLOCKS, AND FLOOR BLOCKS. CENTURY WOOD PRESERVING COMPANY, Pittsburgh, Pa.
Filed February 3, 1925. Serial No. 209,023. PUBLISHED AUGUST 25, 1925.

206,642. MEDICAL TONICS AND REBUILDERS, DISINTOXICANTS, ANTIRHEUMATICS, AND ANTIARTHRITICS. EMILE ROUSSEAU, Paris, France.
Filed February 17, 1925. Serial No. 209,749. PUBLISHED SEPTEMBER 15, 1925.

206,643. MEDICAL TONICS AND REBUILDERS, DISINTOXICANTS, ANTIRHEUMATICS, AND ANTIARTHRITICS. EMILE ROUSSEAU, Paris, France.
Filed February 17, 1925. Serial No. 209,750. PUBLISHED SEPTEMBER 15, 1925.

206,644. COSMETICS, PASTES, POWDERS, AND TOILET PREPARATIONS FOR BEAUTIFYING AND PRESERVING THE SKIN, TEETH, AND HAIR, AND PERFUMERY. PARFUMERIE ROGER & GALLET, Paris, France.
Filed April 4, 1925. Serial No. 212,198. PUBLISHED SEPTEMBER 15, 1925.

206,645. MEDICINE FOR PNEUMONIA. JOSEPH STASKEVITCH, Witherbee, N. Y.
Filed April 18, 1925. Serial No. 212,970. PUBLISHED SEPTEMBER 15, 1925.

206,646. PERFUMES, ROUGE, FACE POWDERS, SHAMPOOS, AND FACE LOTIONS. MILLIN DRUG COMPANY, Wilmington, Del., and Memphis, Tenn.
Filed April 28, 1925. Serial No. 213,450. PUBLISHED SEPTEMBER 8, 1925.

206,647. PHARMACEUTICAL PREPARATION—NAMELY, VAGINAL SUPPOSITORIES FOR USE IN THE TREATMENT OF LEUCORRHEA, VAGINITIS, ULCERATIONS, EROSIONS OF THE OSUTERI, AND PRURITIS VULVA. AMERA CHEMICAL COMPANY, Minneapolis, Minn.
Filed May 18, 1925. Serial No. 214,452. PUBLISHED SEPTEMBER 15, 1925.

206,648. PERFUME, TOILET WATER, FACE POWDER, AND TALCUM. OR-BLOS COMPANY, Jacksonville, Fla.
Filed May 22, 1925. Serial No. 214,743. PUBLISHED SEPTEMBER 15, 1925.

206,649. PERFUMERY. RENAUD ET CIE OF AMERICA, Boston, Mass.
Filed May 23, 1925. Serial No. 214,817. PUBLISHED SEPTEMBER 8, 1925.

206,650. ROUGE, AND INVISIBLE WATERPROOF LIQUID ROUGE. RENAUD ET CIE OF AMERICA, Boston, Mass.
Filed May 23, 1925. Serial No. 214,820. PUBLISHED SEPTEMBER 8, 1925.

206,651. CHEMICAL COMPOUNDS—NAMELY, GERMICIDES, AIR PURIFIERS, INCENSE, AND INSECT EXTERMINATORS. RENAUD ET CIE OF AMERICA, Boston, Mass.
Filed May 23, 1925. Serial No. 214,821. PUBLISHED SEPTEMBER 8, 1925.

206,652. LUNG TEA, GAS AND CRAMP TEA, STOMACH POWDERS, BLOOD PURIFIERS, AND ANTIPAIN SALVE. GOLDEN EAGLE REMEDY CO., Boulder, Colo.
Filed June 1, 1925. Serial No. 215,148. PUBLISHED SEPTEMBER 15, 1925.

206,653. A PRODUCT MADE OF GLYCERIN FOR USE IN AUTOMOBILE RADIATORS TO PREVENT FREEZING. LEVER BROTHERS COMPANY, Cambridge, Mass.
Filed June 17, 1925. Serial No. 215,984. PUBLISHED SEPTEMBER 8, 1925.

206,654. A CHEMICAL PREPARATION ADAPTED TO BE APPLIED TO STEEL TO CLEAN THE SAME AND TO ACT THEREON TO IMPART RUST-INHIBITIVE PROPERTIES THERETO. CHEMICAL PRODUCTS CORPORATION, Detroit, Mich.
Filed June 19, 1925. Serial No. 216,017. PUBLISHED SEPTEMBER 8, 1925.

206,655. OINTMENT FOR ECZEMA AND SKIN ERUPTIONS. FRANK ELSTER, Chicago, Ill.
Filed June 19, 1925. Serial No. 216,031. PUBLISHED SEPTEMBER 15, 1925.

206,656. MEDICINAL PREPARATION OF BALSAM. RED SEA BALSAM CO., New Bedford, Mass.
Filed June 23, 1925. Serial No. 216,290. PUBLISHED SEPTEMBER 8, 1925.

206,657. MEDICINE FOR PYORRHEA AND CATARRH. SIMMONS AND BELCHER, Lawton, Okla.
Filed June 27, 1925. Serial No. 216,566. PUBLISHED SEPTEMBER 15, 1925.

206,658. PHARMACEUTICAL PRODUCT — NAMELY, PREPARATION FOR SKIN ITCHING. AKTIENGESELLSCHAFT VORMALS B. SIEGFRIED, Zofingen, Switzerland.
Filed July 2, 1925. Serial No. 216,756. PUBLISHED SEPTEMBER 15, 1925.

206,659. REMEDIES FOR AMEBIC DYSENTERY AND SPIROCHETAL DISEASES. H. A. METZ LABORATORIES, INC., New York, N. Y.
Filed July 2, 1925. Serial No. 216,791. PUBLISHED SEPTEMBER 15, 1925.

206,660. TONIC LAXATIVE PREPARATION. ALEXANDER KREMER, New York, N. Y.
Filed July 18, 1925. Serial No. 217,565 PUBLISHED SEPTEMBER 8, 1925.

206,661. FAT REDUCING PREPARATION. ALEXANDER KREMER, New York, N. Y.
Filed July 18, 1925. Serial No. 217,566. PUBLISHED SEPTEMBER 8, 1925.

206,662. AMMONIA. SAFEWAY STORES, INCORPORATED, Los Angeles, Calif.
Filed July 18, 1925. Serial No. 217,584. PUBLISHED SEPTEMBER 8, 1925.

206,663. PREPARATION TO BE USED IN THE TREATMENT OF HEARTBURN, GAS, SOUR STOMACH, NAUSEA, INDIGESTION, DYSPEPSIA, AND ACID STOMACH. GUIDO J. CERVELLI, San Francisco, Calif.
Filed July 22, 1925. Serial No. 217,695. PUBLISHED SEPTEMBER 8, 1925.

206,664. CERTAIN TOILET PREPARATIONS. ALBERT EDELSTEIN, doing business as Monte Christo Cosmetic Co., New York, N. Y.
Filed July 22, 1925. Serial No. 217,701. PUBLISHED SEPTEMBER 8, 1925.

206,665. AN ANTISEPTIC AND SOOTHING PREPARATION. E. C. DE WITT & CO. INC., New York, N. Y.
Filed July 23, 1925. Serial No. 217,762. PUBLISHED SEPTEMBER 8, 1925.

206,666. ANTISEPTIC OINTMENT. MANATAWNY PRODUCTS COMPANY, Pottstown, Pa.
Filed July 25, 1925. Serial No. 217,887. PUBLISHED SEPTEMBER 15, 1925.

206,667. VANISHING CREAM. HARRY J. JEFFRES, doing business as Jeffco Products Co., Baltimore, Md.
Filed July 27, 1925. Serial No. 217,934. PUBLISHED SEPTEMBER 15, 1925.



206,668. MEDICINAL AND ANTISEPTIC DOUCHE. ORION PHARMACAL CO., Los Angeles, Calif.
Filed July 27, 1925. Serial No. 217,954. PUBLISHED SEPTEMBER 15, 1925.

206,669. PREPARATION FOR THE TREATMENT OF CATARRH. H. M. CHENEY, doing business as F. J. Cheney & Co., Toledo, Ohio.
Filed July 28, 1925. Serial No. 217,999. PUBLISHED SEPTEMBER 15, 1925.

206,670. FRUIT LAXATIVE CANDIES. FRUTEX PRODUCTS CO., New Haven, Conn. and New York, N. Y.
Filed July 28, 1925. Serial No. 218,004. PUBLISHED SEPTEMBER 15, 1925.

206,671. CERTAIN NAMED MEDICINAL PREPARATIONS. ETTORE CAPECELATRO, doing business as Cape-Chemical Company, Springfield, Mass.
Filed July 30, 1925. Serial No. 218,103. PUBLISHED SEPTEMBER 15, 1925.

206,672. PREPARATION FOR COUGHS AND ALL INFLAMMATORY CONDITIONS OF THE THROAT, CHEST, AND LUNGS. THE CRYSTAL CHEMICAL COMPANY, INC., New York, N. Y.
Filed July 30, 1925. Serial No. 218,105. PUBLISHED SEPTEMBER 15, 1925.

206,673. PREPARATIONS FOR THE TREATMENT OF THE FEET. ARCHIBALD H. SANDERS, doing business as Sanders Chemical Co., Minneapolis, Minn.
Filed July 30, 1925. Serial No. 218,143. PUBLISHED SEPTEMBER 15, 1925.

206,674. CERTAIN PHARMACEUTICAL AND THERAPEUTICAL PREPARATIONS. KALLE AND COMPANY, AKTIENGESELLSCHAFT, Biebrich-on-the-Rhine, Germany.
Filed July 31, 1925. Serial No. 218,185. PUBLISHED SEPTEMBER 15, 1925.

206,675. PERFUMERY, TOILET POWDER, TALCUM POWDER, AND ROUGE. MEIER & FRANK CO., Portland, Oreg.
Filed July 31, 1925. Serial No. 218,194. PUBLISHED SEPTEMBER 15, 1925.

206,676. LOTION EMPLOYED EXTERNALLY IN THE TREATMENT OF SKIN DISEASES, ECZEMA, SCROFULOUS AND SYPHILITIC ERUPTIONS, SALT RHEUM, TETTER, AND ITCH. WHEELER CHEMICAL COMPANY, Chicago, Ill.
Filed July 31, 1925. Serial No. 218,226. PUBLISHED SEPTEMBER 15, 1925.

206,677. CANDY. WANTA MINT COMPANY, Baltimore, Md.
Filed July 10, 1925. Serial No. 217,192. PUBLISHED SEPTEMBER 29, 1925.

206,678. SUBSTITUTES FOR COFFEE. FRITZ ANLIKER, Hilterfingen, near Thoune, Switzerland.
Filed July 15, 1925. Serial No. 217,885. PUBLISHED SEPTEMBER 29, 1925.

206,679. COLLARS AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed July 14, 1925. Serial No. 217,842. PUBLISHED SEPTEMBER 29, 1925.

206,680. COD-LIVER OIL FOR DOGS. SCOTT & BOWNE, Bloomfield, N. J.
Filed July 13, 1925. Serial No. 217,802. PUBLISHED SEPTEMBER 29, 1925.

206,681. COD-LIVER OIL FOR FOXES. SCOTT & BOWNE, Bloomfield, N. J.
Filed July 13, 1925. Serial No. 217,801. PUBLISHED SEPTEMBER 29, 1925.

206,682. COD-LIVER OIL FOR HENS. SCOTT & BOWNE, Bloomfield, N. J.
Filed July 13, 1925. Serial No. 217,800. PUBLISHED SEPTEMBER 29, 1925.

206,683. COD-LIVER OIL FOR CHICKENS. SCOTT & BOWNE, Bloomfield, N. J.
Filed July 13, 1925. Serial No. 217,299. PUBLISHED SEPTEMBER 29, 1925.

206,684. MEN'S UNION TEXTILE-FABRIC UNDERWEAR. ANTONI ABRAMOWSKI, Chester, Pa.
Filed July 13, 1925. Serial No. 217,239. PUBLISHED SEPTEMBER 29, 1925.

206,685. WOMEN'S AND MISSES' UNDERWEAR OF KNITTED OR TEXTILE FABRIC OF SILK, COTTON, WOOL, ARTIFICIAL SILK, OR COMBINATIONS THEROF. JAMES MCCREERY & COMPANY, New York, N. Y.
Filed July 9, 1925. Serial No. 217,104. PUBLISHED SEPTEMBER 29, 1925.

206,686. CHICKEN REMEDY. WILLIAM B. BARRICK, Stillman Valley, Ill.
Filed July 9, 1925. Serial No. 217,065. PUBLISHED SEPTEMBER 29, 1925.

206,687. FRUITS PRESERVED IN BRANDIED SIRUPS, WHICH SIRUPS HAVE BEEN SOLIDIFIED OR JELLIED BY THE USE OF THE GELATIN PROPERTY OF PURE FRUITS. G. B. RAFFETTO INC., New York, N. Y.
Filed July 7, 1925. Serial No. 216,990. PUBLISHED SEPTEMBER 29, 1925.

206,688. HOSIERY. HAINES & COMPANY, Newark, N. J.
Filed July 6, 1925. Serial No. 216,904. PUBLISHED SEPTEMBER 29, 1925.

206,689. ALCOHOL RUBBING PREPARATION. RECTOR PHARMACAL CO., INC., New York, N. Y.
Filed June 30, 1925. Serial No. 216,696. PUBLISHED AUGUST 18, 1925.

206,690. DRIED CURRANTS, CHOPPED OLIVE MEATS, SANDWICH SPREAD, SALAD DRESSING, CANNED CHERRIES, SARDINES, ICE CREAM, CRACKERS, AND FRUIT CAKE, ETC. WESTERN GROCER COMPANY, Marshalltown, Iowa.
Filed June 27, 1925. Serial No. 216,574. PUBLISHED SEPTEMBER 29, 1925.

206,691. FILLING INSTRUMENTS FOR DENTAL WORK, FILLINGS AND FILLING MATERIAL FOR TEETH. REINIGER, GEBBERT & SCHALL AKTIENGESELLSCHAFT, Erlangen, Germany.
Filed June 24, 1925. Serial No. 216,859. PUBLISHED SEPTEMBER 22, 1925.

206,692. WHEAT FLOUR. EMPIRE MILLING COMPANY, Minneapolis, Minn.
Filed June 23, 1925. Serial No. 216,263. PUBLISHED SEPTEMBER 22, 1925.

206,693. BEAN AND RICE PASTES. THE NORIO COMPANY, San Francisco, Calif.
Filed June 23, 1925. Serial No. 216,205. PUBLISHED SEPTEMBER 29, 1925.

206,694. CHEMICAL PREPARATION SUITABLE FOR THE CLEANSING AND BEAUTIFYING OF THE SKIN. LETITIA WOOD BELL, doing business as Letty Wood, Long Island City, N. Y.
Filed June 15, 1925. Serial No. 215,835. PUBLISHED AUGUST 18, 1925.

206,695. PREPARATIONS FOR THE TREATMENT OF DISEASES PECULIAR TO WOMEN. Dr. KILMER & CO., Binghamton, N. Y.
Filed June 9, 1925. Serial No. 215,521. PUBLISHED SEPTEMBER 29, 1925.

206,696. CHEWING GUM CONTAINING A COMPOUND FOR TREATING PYORRHEA. FORD E. BRIDGES, doing business as B. B. Gum Company, Tulsa, Okla.
Filed June 8, 1925. Serial No. 215,436. PUBLISHED SEPTEMBER 8, 1925.

206,697. REMEDIES FOR STOCK—NAMELY, TABLETS FOR BOWEL TROUBLE IN POULTRY. THE REDWOOD LABORATORIES, Redwood Falls, Minn.
Filed July 16, 1925. Serial No. 217,482. PUBLISHED SEPTEMBER 29, 1925.

206,698. CANNED FISH. IWAN BURGER, INC., New York, N. Y.
Filed April 6, 1925. Serial No. 212,231. PUBLISHED SEPTEMBER 22, 1925.

206,699. INFANTS' WEAR—NAMELY, BATH ROBES, BUNTINGS, SACKS, GOWNS, AND WRAPPERS. MAX H. FELDMAN, Brooklyn, N. Y.
Filed June 12, 1925. Serial No. 215,687. PUBLISHED SEPTEMBER 22, 1925.

206,700. ANTIKNOCK AND CARBON-REMOVING PREPARATIONS FOR FUELS. UNION CREOSOTE & OIL COMPANY, New York, N. Y.
Filed June 11, 1925. Serial No. 215,664. PUBLISHED SEPTEMBER 22, 1925.

206,701. PREPARATION FOR USE AS A HAIRDRESSING AND IN THE TREATMENT OF DANDRUFF AND FALLING HAIR. VALENTINO FALCONE, doing business as Valentino Mfg. Co., Washington, D. C.
Filed June 2, 1925. Serial No. 215,203. PUBLISHED SEPTEMBER 22, 1925.

206,702. MEN'S COATS, VESTS, PANTS, AND OVERCOATS. WEAR WELL PANTS CO., Baltimore, Md.
Filed June 1, 1925. Serial No. 215,192. PUBLISHED SEPTEMBER 22, 1925.

206,703. GREASE BUCKETS WITH PUMP ATTACHED. BENNETT PUMPS CORPORATION, Muskegon, Mich.
Filed June 1, 1925. Serial No. 215,127. PUBLISHED SEPTEMBER 22, 1925.

206,704. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. MISSION HOSIERY MILLS, Los Angeles, Calif.
Filed May 29, 1925. Serial No. 215,085. PUBLISHED SEPTEMBER 22, 1925.

206,705. CERTAIN NAMED MEDICINAL PREPARATIONS. THE MARVELL PHARMACAL CO. INC., New York, N. Y.
Filed May 5, 1925. Serial No. 213,848. PUBLISHED SEPTEMBER 22, 1925.

206,706. PREPARATION FOR THE TREATMENT OF TUBERCULOSIS, BRONCHITIS, FLU, LA GRIPPE, COUGHS, AND COLDS. FRANCIS A. HALL, Minneapolis, Minn.
Filed April 25, 1925. Serial No. 213,303. PUBLISHED SEPTEMBER 22, 1925.

206,707. MEN'S DRESS SHIRTS. MYLISH, MANN & DRUCKER, Philadelphia, Pa.
Filed April 7, 1925. Serial No. 212,343. PUBLISHED SEPTEMBER 29, 1925.

206,708. COTTON PIECE GOODS. THE DALLAS MANUFACTURING CO., Huntsville, Ala.
Filed April 1, 1925. Serial No. 211,982. PUBLISHED JUNE 23, 1925.

206,709. CERTAIN TOILET PREPARATIONS. PLOUGH CHEMICAL COMPANY, doing business as Fair-Plex Company, Memphis, Tenn.
Filed March 28, 1923. Serial No. 178,189. PUBLISHED SEPTEMBER 22, 1925.

206,710. CABINET-MAKERS' CLAMPS, MACHINE-TOOL CLAMPS, WIRE CLAMPS, PLIERS, TONGS, PINCERS, NIPPERS, MECHANICS' TWEEZERS, MECHANICS' FORCEPS, SCRAPERS, WRENCHES, SCREW DRIVERS, BENDING AND BEVELING DEVICES, PIPE TONGS, PIPE WRENCHES, MARKING TOOLS, CUTTING POINTS, ALLIGATOR WRENCHES, CENTER PUNCHES, PUNCHING TOOLS, AND COUNTERSINKS. MAUSER-WERKE AKTIENGESELLSCHAFT, Oberndorf-on-the-Necker, Germany.
Filed May 24, 1924. Serial No. 197,550. PUBLISHED SEPTEMBER 15, 1925.

206,711. CERTAIN NAMED TOILET PREPARATIONS. THE LOWELL COMPANY, New York, N. Y.
Filed July 22, 1924. Serial No. 200,364. PUBLISHED SEPTEMBER 22, 1925.

206,712. VACUUM CLEANERS PARTICULARLY ADAPTED FOR CLEANING UPHOLSTERY. BESHARA I. MALOUF, Brooklyn, N. Y.
Filed December 16, 1924. Serial No. 206,791. PUBLISHED SEPTEMBER 22, 1925.

206,713. LIQUID OXYGEN AND OXYGEN MANUFACTURED BY THE LIQUEFACTION PROCESS. PUROX COMPANY, Denver, Colo.
Filed December 23, 1924. Serial No. 207,148. PUBLISHED SEPTEMBER 22, 1925.

206,714. FUR DYE. MEISEL GALLAND COMPANY, Brooklyn, N. Y.
Filed January 10, 1925. Serial No. 207,941. PUBLISHED SEPTEMBER 22, 1925.

206,715. FUR DYE. MEISEL GALLAND COMPANY, Brooklyn, N. Y.
Filed January 10, 1925. Serial No. 207,943. PUBLISHED SEPTEMBER 22, 1925.

206,716. CHEMICAL MIXTURE OF PAINT AND POWDER FOR USE AS A CAVITY FILLER FOR TREES AND AS AN INSECTICIDE AND DISINFECTANT. BRONSON FRAISER, Cloverdale, Ind.
Filed January 24, 1925. Serial No. 208,586. PUBLISHED SEPTEMBER 22, 1925.

206,717. DENTAL PRODUCTS MADE OF PAPER OR COMPOSITIONS THEREOF USED FOR ASEPTIC DRESSING, PACKING, AND ABSORBENT. MILTON D. BARKANN AND EMANUEL M. WEINBERG, New York, N. Y.
Filed March 12, 1925. Serial No. 210,879. PUBLISHED MAY 26, 1925.

206,718. MOTOR TRUCKS. SERVICE MOTOR TRUCK CO., Wabash, Ind.
Filed October 29, 1920. Serial No. 138,959. PUBLISHED JULY 21, 1925.

206,719. CANNED FRUITS, CANNED VEGETABLES, AND MINCEMEAT. CENTRAL WHOLESALE GROCERS, Chicago, Ill.
Filed May 5, 1922. Serial No. 163,379. PUBLISHED SEPTEMBER 1, 1925.

206,720. CASTOR OIL. KELLOGG TOASTED CORN FLAKE CO., Battle Creek, Mich., assignor, by mesne assignments, to Kellogg Company, Battle Creek, Mich., a Corporation of Delaware.
Filed December 4, 1922. Serial No. 172,886. PUBLISHED MARCH 31, 1925.

206,721. ANT POISON. LEO A. MATTES, Berkeley, Calif.
Filed July 15, 1924. Serial No. 200,054. PUBLISHED OCTOBER 28, 1924.

206,722. INDUSTRIAL CHEMICALS — NAMELY, INSECTICIDES AND FUNGICIDES, SUCH AS COLLOIDAL SULPHUR AND LIME-SULPHUR SOLUTIONS. HERBERT & HERBERT, INC., Perth Amboy, N. J.
Filed September 10, 1924. Serial No. 202,453. PUBLISHED SEPTEMBER 8, 1925.

206,723. LINIMENT. JAMES H. PICKETT, New Bedford, Mass.
Filed September 26, 1924. Serial No. 203,090. PUBLISHED SEPTEMBER 15, 1925.

206,724. GENTLEMEN'S DRESS AND DINNER WAISTCOATS. CATOIR SILK CO. INC., New York, N. Y.
Filed October 15, 1924. Serial No. 203,873. PUBLISHED SEPTEMBER 8, 1925.

206,725. CANNED VEGETABLES—NAMELY, CANNED CORN. IROQUOIS CANNING CORPORATION, Onarga, Ill.
Filed January 15, 1925. Serial No. 208,145. PUBLISHED APRIL 28, 1925.

206,726. PREPARATION FOR HYPERACIDITY, INDIGESTION, AND FLATULENCE. OTIS CLAPP & SON, INC., Boston, Mass.
Filed February 7, 1925. Serial No. 209,237. PUBLISHED SEPTEMBER 15, 1925.



206,727. MEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS OF THESE MATERIALS. CHARLES A. EATON COMPANY, Brockton, Mass.
Filed March 26, 1925. Serial No. 211,669. PUBLISHED SEPTEMBER 15, 1925.

206,728. CANNED FRUITS AND CANNED VEGETABLES. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif.
Filed April 21, 1925. Serial No. 213,088. PUBLISHED JULY 21, 1925.

206,729. GLOVES OF LEATHER. ALEXANDRINE, Paris, France.
Filed April 23, 1925. Serial No. 213,155. PUBLISHED SEPTEMBER 1, 1925.

206,730. FRESH DECIDUOUS FRUITS. YAKIMA FRUIT & COLD STORAGE COMPANY, Yakima, Wash.
Filed April 24, 1925. Serial No. 213,272. PUBLISHED JUNE 9, 1925.

206,731. BOOTS AND SHOES MADE OF LEATHER AND FABRIC, OR COMBINATIONS THEREOF. HELMHOLZ SHOE MFG. CO., Cudahy, Milwaukee, Wis.
Filed May 1, 1925. Serial No. 213,641. PUBLISHED SEPTEMBER 8, 1925.

206,732. INSECTICIDES. DUNCAN, FOX & CO., INC., New York, N. Y.
Filed May 13, 1925. Serial No. 214,242. PUBLISHED SEPTEMBER 15, 1925.

206,733. HATS FOR WOMEN AND CHILDREN. LILIENTHALS, INC., Savannah, Ga.
Filed May 14, 1925. Serial No. 214,332. PUBLISHED SEPTEMBER 1, 1925.

206,734. DRY MEAT CURE IN THE NATURE OF A CHEMICAL PREPARATION. THE FRANK TEA & SPICE CO., doing business as Frank Laboratories, Cincinnati, Ohio.
Filed May 18, 1925. Serial No. 214,472. PUBLISHED SEPTEMBER 8, 1925.

206,735. COUGH MIXTURES. MICHAEL SCHEINBERG, doing business as M. S. Cough Balsam Co., Baldwin, N. Y.
Filed June 4, 1925. Serial No. 215,314. PUBLISHED SEPTEMBER 15, 1925.

206,736. CANDY. GOODY MINTS OF AMERICA INC., also doing business as The Candy Supply Co., Newark, N. J.
Filed June 19, 1925. Serial No. 216,038. PUBLISHED AUGUST 4, 1925.

206,737. TALCUM POWDER, FACE POWDER, COLD CREAM, LIP STICKS, DENTAL CREAM, PERFUME, AND TOILET WATER. LEVER BROTHERS COMPANY, Cambridge, Mass.
Filed June 19, 1925. Serial No. 216,056. PUBLISHED SEPTEMBER 15, 1925.

206,738. CERTAIN BARN, GARAGE AND BUILDING HARDWARE. HUNT, HELM, FERRIS & CO., Harvard, Ill.
Filed December 17, 1923. Serial No. 189,786. PUBLISHED MARCH 3, 1925.

206,739. WHEAT FLOUR, CANNED AND BOTTLED PICKLES, PEANUT BUTTER, EVAPORATED MILK, DRIED FRUIT, CHILI SAUCE, HONEY, COCOA, PEPPER, CANNED VEGETABLES, CANDY, COFFEE, TEA, CANNED FRUITS, CANNED FISH, FLAVORING EXTRACTS FOR FOODS, FRUIT PRESERVES, OLIVE OIL, TOMATO CATCHUP, OLIVES, VINEGAR, GROUND SPICES, TABLE SIRUP, RED-HOT SAUCE, AND POWDERED SAFFRON USED FOR FOOD FLAVORING. DURAND-MCNEIL-HORNER CO., Chicago, Ill.
Filed February 5, 1924. Serial No. 191,817. PUBLISHED SEPTEMBER 29, 1925.

206,740. MEDICAL PREPARATIONS AND SERUMS MANUFACTURED FROM LIPOID AND JODOOXYCHINOLINSULFOACETOUS SALTS. BEHRINGWERKE A. G., Marburg, Germany.
Filed April 9, 1924. Serial No. 195,209. PUBLISHED SEPTEMBER 22, 1925.

206,741. CERTAIN AMMUNITION. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., Ilion and New York, N. Y.
Filed May 16, 1924. Serial No. 197,170. PUBLISHED SEPTEMBER 29, 1925.

206,742. MATCHES. VULCAN MATCH CO., INC., New York, N. Y.
Filed June 4, 1924. Serial No. 198,096. PUBLISHED SEPTEMBER 29, 1925.

206,743. MATCHES. VULCAN MATCH CO., INC., New York, N. Y.
Filed June 4, 1924. Serial No. 198,097. PUBLISHED SEPTEMBER 29, 1925.

206,744. HAY TOOLS CONSISTING OF HAY CARRIERS, UNLOADERS, STEEL TRACKS, SLINGS, FORKS, AND PULLEYS. THE F. E. MYERS & BRO. CO., Ashland, Ohio.
Filed February 2, 1922. Serial No. 156,783. PUBLISHED DECEMBER 2, 1924.

206,745. TARPAULINS AND APRONS FOR COVERING PURPOSES. THE ALLIED BELTING COMPANY, Greenville, Ohio.
Filed June 5, 1924. Serial No. 198,102. PUBLISHED SEPTEMBER 29, 1925.

206,746. CERTAIN CROCKERY, PORCELAIN & EARTHENWARE ARTICLES. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed July 21, 1924. Serial No. 200,297. PUBLISHED SEPTEMBER 29, 1925.

206,747. CERTAIN NAMED GOODS. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed July 21, 1924. Serial No. 200,298. PUBLISHED SEPTEMBER 29, 1925.

206,748. CERTAIN NAMED MEDICINAL PREPARATIONS. INDALECIO CANAMAR, doing business as Sun Drug Store, San Antonio, Tex.
Filed July 25, 1924. Serial No. 200,477. PUBLISHED SEPTEMBER 22, 1925.

206,749. SOAP SPONGES. BEULAH LOUISE HENRY, New York, N. Y.
Filed August 13, 1924. Serial No. 201,347. PUBLISHED SEPTEMBER 29, 1925.

206,750. SOAP SPONGES. BEULAH LOUISE HENRY, New York, N. Y.
Filed August 13, 1924. Serial No. 201,345. PUBLISHED SEPTEMBER 29, 1925.

206,751. SOAP SPONGES. BEULAH LOUISE HENRY, New York, N. Y.
Filed August 13, 1924. Serial No. 201,346. PUBLISHED SEPTEMBER 29, 1925.

206,752. CHEMICAL AND PHARMACEUTICAL PRODUCTS, IN PARTICULAR TARTARIC ACID, CITRIC ACID, TARTRATES OF POTASSIUM AND SODIUM, CHROME ALUMS, MAGNESIA, CREAM OF TARTAR, AND MALIC-ACID. "L'APPULA" SOCIETA PER L'INDUSTRIA CHIMICA ITALIANA, Barletta and Milan, Italy.
Filed August 14, 1924. Serial No. 201,406. PUBLISHED SEPTEMBER 22, 1925.

206,753. GLASS BOTTLES. AMERICAN GLASS WORKS, INCORPORATED, Richmond, Va.
Filed November 19, 1924. Serial No. 205,506. PUBLISHED MARCH 17, 1925.

206,754. LIQUID-OXYGEN CONTAINERS. PUROX COMPANY, Denver, Colo.
Filed December 23, 1924. Serial No. 207,149. PUBLISHED SEPTEMBER 29, 1925.

206,755. MACHINES FOR PRODUCING METAL ARTICLES OF MERCHANDISE, MACHINES FOR PRODUCING HARDWARE, MACHINES FOR PRODUCING PRESSED AND DRAWN PIECES, AND PARTS OF THE FOREGOING MACHINES. POLTE, Magdeburg, Germany.
Filed January 15, 1925. Serial No. 208,160. PUBLISHED SEPTEMBER 29, 1925.

206,756. LUMBER AND MILLWORK, MOLDINGS (PATTERNS OF THE 7,000 AND 8,000 SERIES APPEARING IN THE PUBLISHED MOLDING BOOKS), CUT STOCK, SASH, WINDOWS, DOORS, SCREENS, WINDOW AND DOOR FRAMES, PORCH RAIL, BALUSTERS, NEWELS, AND COLUMNS. WESTERN PINE MANUFACTURERS ASSOCIATION, Portland, Oreg.
Filed February 19, 1925. Serial No. 209,887. PUBLISHED SEPTEMBER 29, 1925.

206,757. PYJAMAS AND NIGHTSHIRTS. MEYER NATELSON, doing business as The Slumberland Mfg. Co., New York, N. Y.
Filed February 20, 1925. Serial No. 209,983. PUBLISHED SEPTEMBER 22, 1925.

206,758. BOOTS AND SHOES MADE OF LEATHER, LEATHER AND FABRIC, LEATHER AND RUBBER, LEATHER, RUBBER, AND FABRIC, AND RUBBER AND FABRIC. W. B. COON CO., Rochester, N. Y.
Filed June 27, 1925. Serial No. 216,507. PUBLISHED SEPTEMBER 29, 1925.

206,759. LIQUID ANTISEPTIC TO BE USED AS A GARGLE, MOUTH WASH, AND THROAT SPRAY. ORION PHARMACAL CO., Los Angeles, Calif.
Filed July 27, 1925. Serial No. 217,953. PUBLISHED SEPTEMBER 22, 1925.

206,760. COAL. COAL HILL MINING COMPANY, INC., DuBois, Pa.
Filed July 24, 1925. Serial No. 217,817. PUBLISHED SEPTEMBER 22, 1925.

206,761. PROPRIETARY PREPARATION FOR THE RELIEF OF DYSPEPSIA, INDIGESTION, AND GASTRITIS. BRADLEY MANUFACTURING CO., New York, N. Y.
Filed July 24, 1925. Serial No. 217,813. PUBLISHED SEPTEMBER 22, 1925.

206,762. NATURAL-FRUIT LAXATIVE. MILO A. CRANE, doing business as The O-Joy Products Co., Elmhurst, Ill.
Filed July 22, 1925. Serial No. 217,698. PUBLISHED SEPTEMBER 22, 1925.

206,763. PICKLES, SOUR MIXED PICKLES, SWEET MIXED PICKLES, SWEET PICKLED GHERKINS, SOUR PICKLED GHERKINS, CHOWCHOW, HORSERADISH, SWEET VEGETABLE RELISH, AND PICKLED ONIONS. BLOCH & GUGGENHEIMER, INC., New York, N. Y.
Filed July 9, 1925. Serial No. 217,067. PUBLISHED SEPTEMBER 29, 1925.

206,764. HEATING APPLIANCES—NAMELY, GAS HEATERS. THE ESTATE STOVE COMPANY, Hamilton, Ohio.
Filed July 6, 1925. Serial No. 216,902. PUBLISHED SEPTEMBER 22, 1925.

206,765. LYE AND OTHER PIPE SOLVENTS. B. T. BABBITT, New York, N. Y.
Filed June 30, 1925. Serial No. 216,665. PUBLISHED SEPTEMBER 22, 1925.

206,766. REFRACTORY BLOCKS. THE LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo.
Filed June 29, 1925. Serial No. 216,610. PUBLISHED SEPTEMBER 29, 1925.

206,767. MEN'S, WOMEN'S, YOUTHS', AND BOYS' SHOES MADE OF LEATHER, RUBBER, FABRIC, AND OF COMBINATIONS OF THOSE MATERIALS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 27, 1925. Serial No. 216,519. PUBLISHED SEPTEMBER 22, 1925.

206,768. PISTONS. THE KANT-SKORE PISTON COMPANY, Cincinnati, Ohio.
Filed June 26, 1925. Serial No. 216,465. PUBLISHED SEPTEMBER 22, 1925.

206,769. HANDKERCHIEFS. MAGNUS IMPORTS, LTD., New York, N. Y.
Filed June 22, 1925. Serial No. 216,197. PUBLISHED SEPTEMBER 29, 1925.

206,770. [WITHDRAWN.]

206,771. SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. S. N. MEYER, INC., Washington, D. C.
Filed June 18, 1925. Serial No. 215,990. PUBLISHED SEPTEMBER 22, 1925.

206,772. PAPER OR PASTEBOARD SHIPPING BOXES. GARMENT CENTER FIBRE CONTAINER CORP., New York, N. Y.
Filed June 18, 1925. Serial No. 215,978. PUBLISHED SEPTEMBER 29, 1925.

206,773. GLOVES MADE OF LEATHER OR SIMILAR MATERIALS. D. POWER & SONS LIMITED, Walsall, England.
Filed June 16, 1925. Serial No. 215,875. PUBLISHED SEPTEMBER 22, 1925.

206,774. SHOES OF LEATHER, LEATHER AND RUBBER, LEATHER AND FABRIC, AND COMBINATIONS THEREOF. JOHN J. DALY, Boston, Mass.
Filed May 18, 1925. Serial No. 214,462. PUBLISHED SEPTEMBER 29, 1925.

206,775. HEELS, TIPS, SOLES, AND PADS FOR BOOTS AND SHOES, ALL MADE OF INDIA RUBBER. I. T. S. RUBBER CO. LTD., London, England.
Filed May 11, 1925. Serial No. 214,163. PUBLISHED SEPTEMBER 29, 1925.

206,776. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. BAUSCH AND LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed April 7, 1925. Serial No. 212,314. PUBLISHED SEPTEMBER 29, 1925.

206,777. AUTOMOBILE BUMPERS. LAHER AUTO SPRING CO., INC., Portland, Oreg.
Filed February 26, 1925. Serial No. 210,174. PUBLISHED SEPTEMBER 29, 1925.

206,778. CRÊPE SATIN IN THE PIECE. PEN-I-SAUKEN SILK MILL, Maple Shade, N. J., and New York, N. Y.
Filed July 30, 1925. Serial No. 218,138. PUBLISHED SEPTEMBER 29, 1925.

206,779. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed July 29, 1925. Serial No. 218,043. PUBLISHED SEPTEMBER 29, 1925.

206,780. TEXTILE CARPETS AND RUGS. HARDWICK & MAGEE COMPANY, Philadelphia, Pa.
Filed July 22, 1925. Serial No. 217,708. PUBLISHED SEPTEMBER 29, 1925.

206,781. SILK GOODS IN THE PIECE. LOUIS ROESSEL & CO., INC., Hazelton, Pa., and New York, N. Y.
Filed July 16, 1925. Serial No. 217,483. PUBLISHED OCTOBER 6, 1925.

206,782. MOTOR-VEHICLE STEERING DEVICES AND PARTS THEREOF. MOON BROTHERS MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 13, 1925. Serial No. 217,284. PUBLISHED SEPTEMBER 29, 1925.

206,783. WINDOWS, DOORS, BLINDS, MOLDINGS, PANELWORK, STAIR WORK, AND PORCH WORK, ALL OF WOOD. MORGAN SASH & DOOR COMPANY, Chicago, Ill.
Filed July 10, 1925. Serial No. 217,175. PUBLISHED SEPTEMBER 29, 1925.

206,784. TEXTILE RUGS. C. H. MASLAND & SONS, Philadelphia, Pa.
Filed July 10, 1925. Serial No. 217,168. PUBLISHED OCTOBER 6, 1925.



206,785. MEMORIAL TABLETS. JOHN HAGGENJOS, St. Louis, Mo.
Filed July 9, 1925. Serial No. 217,092. PUBLISHED SEPTEMBER 29, 1925.

206,786. ASPHALT ROOFING SHINGLES. MCHENRY MILLHOUSE MFG. CO., INC., South Bend, Ind.
Filed July 8, 1925. Serial No. 217,034. PUBLISHED SEPTEMBER 29, 1925.

206,787. WORSTED AND WOOLEN PIECE GOODS. D. S. MACKAY & Co., New York, N. Y.
Filed June 25, 1925. Serial No. 216,417. PUBLISHED SEPTEMBER 29, 1925.

206,788. WOOLEN YARN. NORDDEUTSCHE WOLLKÄMMEREI & KAMMGARNSPINNEREI, Bremen, Germany.
Filed June 19, 1925. Serial No. 216,070. PUBLISHED SEPTEMBER 29, 1925.

206,789. WAGONS, WAREHOUSE AND PLATFORM TRUCKS, SLEIGHS AND SLEDS, BUGGIES, FARM WAGONS, CARRIAGES AND STATE COACHES, MOTOR-TRUCK CABS, MOTOR-TRUCK BODIES, SCHOOL AND OTHER BUS BODIES, POLICE AND FIRE DEPARTMENT VEHICLE BODIES, DUMP BODIES, AMBULANCES, AND PARTS OF SUCH VEHICLES AND VEHICLE BODIES. SCHURMEIER-WHITNEY COMPANY, Minneapolis, Minn.
Filed June 6, 1925. Serial No. 215,420. PUBLISHED SEPTEMBER 29, 1925.

206,790. SAFETY MATCHES. SUOMEN OSUUSKAUPPOJEN KESKUSKUNTA, R. L., Helsingfors, Finland.
Filed May 29, 1925. Serial No. 215,106. PUBLISHED OCTOBER 6, 1925.

206,791. WINDOW-SHADE CLOTH. THE KEMITEX PRODUCTS COMPANY, Akron, Ohio.
Filed March 31, 1925. Serial No. 211,936. PUBLISHED OCTOBER 6, 1925.

206,792. BRICK AND FACE BRICK. FALLSTON FIRE CLAY CO., Pittsburgh, Pa.
Filed March 20, 1925. Serial No. 211,346. PUBLISHED SEPTEMBER 29, 1925.

206,793. RIBBONS, VELVETS, AND SILKS IN THE PIECE. COLCOMBET F. & CIE., SOCIETE ANONYME, St. Etienne, France.
Filed March 11, 1925. Serial No. 210,829. PUBLISHED SEPTEMBER 29, 1925.

206,794. CEMENT, SAND, AND LIQUID-GLASS COMPOSITION OF MATTER FORMED INTO POLISHED BRICKS, MARBLES, AND TILES FOR BUILDING PURPOSES. CARL E. WRIGHT, New Orleans, La.
Filed February 17, 1925. Serial No. 209,760. PUBLISHED SEPTEMBER 29, 1925.

206,795. FRESH APPLES IN BOXES. KELLY BROS. CO. INC., Hood River, Oreg.
Filed January 12, 1925. Serial No. 207,998. PUBLISHED SEPTEMBER 1, 1925.

206,796. FRESH APPLES IN BOXES. KELLY BROS. CO. INC., Hood River, Oreg.
Filed January 12, 1925. Serial No. 207,997. PUBLISHED SEPTEMBER 1, 1925.

206,797. HARVEST, OUTING, AND SPORT HATS FOR MEN, WOMEN, AND CHILDREN. SUPERIOR HAT CO., St. Louis, Mo.
Filed July 5, 1924. Serial No. 199,657. PUBLISHED SEPTEMBER 29, 1925.

206,798. HOPS. PREMIER MALT SALES CORPORATION, New York, N. Y.
Filed July 28, 1925. Serial No. 218,021. PUBLISHED SEPTEMBER 22, 1925.

206,799. SACHET, BATH TABLETS, TOILET WATER, TALCUM POWDER, FACE POWDER, AND REFILLS OF FACE POWDER. JAY THORPE, INC., New York, N. Y.
Filed July 28, 1925. Serial No. 218,029. PUBLISHED SEPTEMBER 22, 1925.

206,800. SHOES HAVING UPPERS MADE OF LEATHER AND SOLES MADE OF RUBBER. LAMBERTVILLE RUBBER COMPANY, Lambertville, N. J.
Filed July 29, 1925. Serial No. 218,064. PUBLISHED SEPTEMBER 29, 1925.

206,801. LADIES' AND MISSES' HATS. EUGENE E. MAGNUS, doing business as Dolly Varden Hat Co., San Francisco, Calif.
Filed July 30, 1925. Serial No. 218,180. PUBLISHED SEPTEMBER 29, 1925.

206,802. CERTAIN PHARMACEUTICAL AND THERAPEUTICAL PREPARATIONS. KALLE AND COMPANY, AKTIENGESELLSCHAFT, Biebrich-on-the-Rhine, Germany.
Filed July 31, 1925. Serial No. 218,186. PUBLISHED SEPTEMBER 22, 1925.

206,803. PREPARATION USED IN THE TREATMENT OF PYORRHEA. FRED. L. DAWSON, Los Angeles, Calif.
Filed August 1, 1925. Serial No. 218,249. PUBLISHED SEPTEMBER 22, 1925.

206,804. SLAB ZINC AND SPELTER. GENERAL METALS REFINING COMPANY, St. Louis, Mo.
Filed August 19, 1925. Serial No. 219,069. PUBLISHED SEPTEMBER 29, 1925.

206,805. TRIMMER STEEL. HEPPENSTALL FORGE & KNIFE COMPANY, Pittsburgh, Pa.
Filed August 18, 1925. Serial No. 219,034. PUBLISHED SEPTEMBER 29, 1925.

206,806. INHALERS. CARL L. SCHEU, doing business as Emphac Company, Newark, N. J.
Filed August 13, 1925. Serial No. 218,830. PUBLISHED SEPTEMBER 29, 1925.

206,807. SANITARY NAPKINS. FELIX MERCANTILE CO. INC., New York, N. Y.
Filed August 13, 1925. Serial No. 218,808. PUBLISHED SEPTEMBER 29, 1925.

206,808. CERTAIN GAUGES; COMPARATORS AND DIAL INDICATORS. FEDERAL PRODUCTS CORPORATION, Providence, R. I.
Filed August 13, 1925. Serial No. 218,804. PUBLISHED SEPTEMBER 29, 1925.

206,809. DEPILATORY POWDER. LEILA DE MIR, Santa Monica, Calif.
Filed August 12, 1925. Serial No. 218,742. PUBLISHED SEPTEMBER 22, 1925.

206,810. CASH REGISTERS. FEDERAL CASH REGISTER COMPANY, Kansas City, Mo.
Filed August 10, 1925. Serial No. 218,617. PUBLISHED SEPTEMBER 29, 1925.

206,811. LEATHER GLOVES. FOWNES BROTHERS & CO. INC., Gloversville, Amsterdam, and New York, N. Y.
Filed August 4, 1925. Serial No. 218,359. PUBLISHED SEPTEMBER 29, 1925.

206,812. TOILET POWDER. JAY THORPE, INC., New York, N. Y.
Filed August 3, 1925. Serial No. 218,311. PUBLISHED SEPTEMBER 22, 1925.

206,813. MEN'S, WOMEN'S, BOYS', AND GIRLS' STRAW HATS. CARADINE HARVEST HAT COMPANY, St. Louis, Mo.
Filed August 3, 1925. Serial No. 218,291. PUBLISHED SEPTEMBER 29, 1925.

206,814. AUTOMOBILE ACCELERATOR PEDAL. ACCELRITE MANUFACTURING CO., Harrison, N. J.
Filed August 21, 1925. Serial No. 219,159. PUBLISHED SEPTEMBER 29, 1925.

206,815. TRACTORS AND SILO FILLERS. FOX RIVER TRACTOR CO., Appleton, Wis.
Filed August 14, 1925. Serial No. 218,847. PUBLISHED SEPTEMBER 29, 1925.

206,816. FLAT DENTAL FLOSS SILK. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed August 13, 1925. Serial No. 218,816. PUBLISHED SEPTEMBER 29, 1925.

206,817. MATCHES. DOUGAL BROS., London, England.
Filed August 12, 1925. Serial No. 218,743. PUBLISHED OCTOBER 6, 1925.

206,818. DRILL CHUCKS. THE OBERLIN MANUFACTURING COMPANY, Oberlin, Ohio.
Filed August 11, 1925. Serial No. 218,715. PUBLISHED SEPTEMBER 29, 1925.

206,819. MATCHES. THE GENERAL MATCH COMPANY, Reading, Cincinnati, Ohio.
Filed August 11, 1925. Serial No. 218,696. PUBLISHED OCTOBER 6, 1925.

206,820. ASH TRAYS. BURGER STAMPING & SPINNING MFG. CO. INC., Buffalo, N. Y.
Filed August 10, 1925. Serial No. 218,597. PUBLISHED OCTOBER 6, 1925.

206,821. CRYSTALLINE POWDER USED IN A BATH FOR AILMENTS OF THE FEET. RENCO LABORATORIES, Canton, Ohio.
Filed July 14, 1925. Serial No. 217,364. PUBLISHED SEPTEMBER 22, 1925.

206,822. BAY RUM, SHAMPOO, TOILET WATER, PERFUME, FACE POWDER, FACE CREAM, TOOTH PASTE, TOOTH POWDER, ROUGE, FACE-POWDER COMPACTS, LIP STICKS, AND EYEBROW PENCILS. MORGENSTERN & COMPANY, New York, N. Y.
Filed July 14, 1925. Serial No. 217,357. PUBLISHED SEPTEMBER 22, 1925.

206,823. LADIES' AND CHILDREN'S HATS. MA BELL HATS INC., New York, N. Y.
Filed July 13, 1925. Serial No. 217,282. PUBLISHED SEPTEMBER 15, 1925.

206,824. HAIR RESTORER. DOMENICO FRUGOLI, doing business as Frugoil Company, Evanston, Ill.
Filed July 13, 1925. Serial No. 217,269. PUBLISHED SEPTEMBER 22, 1925.

206,825. MEDICINE FOR RHEUMATISM, LUMBAGO, AND KINDRED AILMENTS. HERMAN COHEN, doing business as The Haroko Co., Brooklyn, N. Y.
Filed July 11, 1925. Serial No. 217,209. PUBLISHED SEPTEMBER 22, 1925.

206,826. MEDICINE FOR HEADACHES, RHEUMATIC AFFECTIONS OF THE JOINTS AND MUSCLES. ELIAS BOUQUET, Lake Charles, La.
Filed July 11, 1925. Serial No. 217,203. PUBLISHED SEPTEMBER 22, 1925.

206,827. PERFUMES, TOILET WATERS, FACE POWDERS, TALCUM POWDER, FACIAL CREAMS, AND LOTIONS. THE MILSON CO., Cincinnati, Ohio.
Filed July 10, 1925. Serial No. 217,178. PUBLISHED SEPTEMBER 22, 1925.

206,828. PREPARATION FOR SORE MOUTH AND BLACK TONGUE IN DOGS. I. F. MCADAMS, Jefferson, Tex.
Filed July 9, 1925. Serial No. 217,103. PUBLISHED SEPTEMBER 22, 1925.

206,829. MEDICINE FOR USE IN THE TREATMENT OF CHOLERA, COTHERAL ROUP, AND TYPHOID IN CHICKENS, TURKEYS, DUCKS, GEESE, PIGEONS, AND CAGE BIRDS. C. J. KIEFER, doing business as White Cross Cholera Control Company, Walnut, Ill.
Filed July 9, 1925. Serial No. 217,099. PUBLISHED SEPTEMBER 22, 1925.

206,830. CERTAIN NAMED MEDICINAL PREPARATIONS. PURITY CHEMICAL PRODUCTS COMPANY, Santa Rosa, Calif.
Filed July 6, 1925. Serial No. 216,934. PUBLISHED SEPTEMBER 22, 1925.

206,831. CONCENTRATED STERILE SOLUTIONS OF MONO-ENDOCRINE PROTEINS FOR HYPODERMIC INJECTION. THE HARROWER LABORATORY, INC., Wilmington, Del., and Glendale, Calif.
Filed July 1, 1925. Serial No. 216,722. PUBLISHED SEPTEMBER 22, 1925.

206,832. FUR COATS AND NECK PIECES. J. HANDELMAN & SON, New York, N. Y.
Filed June 30, 1925. Serial No. 216,676. PUBLISHED SEPTEMBER 29, 1925.

206,833. HOSIERY AND MEN'S, WOMEN'S AND CHILDREN'S UNDERWEAR OF KNITTED AND TEXTILE FABRICS. ELTING BROTHERS, New York, N. Y.
Filed June 30, 1925. Serial No. 216,671. PUBLISHED SEPTEMBER 22, 1925.

206,834. COLD CREAMS, LEMON CREAM, TISSUE BUILDER, FACE LOTIONS, AND FACE POWDERS. CLARKS PRODUCTS INC., Binghamton, N. Y.
Filed June 27, 1925. Serial No. 216,506. PUBLISHED SEPTEMBER 22, 1925.

206,835. SWIMMING BRASSIÈRES, HOUSEHOLD APRONS, AND RUBBER GLOVES FOR HOUSEHOLD USE. THE SEAMLESS RUBBER COMPANY, INC., New Haven, Conn.
Filed June 22, 1925. Serial No. 216,228. PUBLISHED SEPTEMBER 15, 1925.

206,836. HATS FOR USE OF MEN, WOMEN, AND CHILDREN. PHIL A. HALLE, INCORPORATED, Memphis, Tenn.
Filed June 19, 1925. Serial No. 216,043. PUBLISHED SEPTEMBER 15, 1925.

206,837. PICKET FENCING. JOSEPH M. DENNING, doing business as Illinois Wire & Manufacturing Co., Joliet, Ill.
Filed June 19, 1925. Serial No. 216,024. PUBLISHED SEPTEMBER 15, 1925.

206,838. LADIES' HATS, LADIES' TRIMMED HATS, AND LADIES' HAT FRAMES. THE SAMUEL ACH COMPANY, Cincinnati, Ohio.
Filed June 19, 1925. Serial No. 216,004. PUBLISHED SEPTEMBER 15, 1925.

206,839. DEFILATORY. NU-ART LABORATORIES INC., South Orange, N. J.
Filed June 17, 1925. Serial No. 215,942. PUBLISHED SEPTEMBER 22, 1925.

206,840. MEN'S STRAW HATS. BLUM & KOCH, INC., New York, N. Y.
Filed June 13, 1925. Serial No. 215,732. PUBLISHED SEPTEMBER 15, 1925.

206,841. BISCUITS. R. MAURICE & CO., LIMITED, London, England.
Filed July 27, 1925. Serial No. 217,941. PUBLISHED SEPTEMBER 22, 1925.

206,842. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY AND GARTERS. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed July 22, 1925. Serial No. 217,715. PUBLISHED SEPTEMBER 22, 1925.

206,843. MISSES' HATS. IRVING D. LINDENBAUM, New York, N. Y.
Filed July 21, 1925. Serial No. 217,679. PUBLISHED SEPTEMBER 15, 1925.

206,844. MEDICINE FOR THE RELIEF OF LUNG TROUBLE, PNEUMONIA, GRIPPE, AND HOOF AND MOUTH DISEASE. RICHARDSON AND RICHARDSON, Ironton, Ohio.
Filed July 20, 1925. Serial No. 217,635. PUBLISHED SEPTEMBER 22, 1925.

206,845. SWEATER COATS. JOSEPH C. W. RAHN, Clinton, N. Y.
Filed July 18, 1925. Serial No. 217,580. PUBLISHED SEPTEMBER 22, 1925.



206,846. HOSIERY. THE JOHN M. GIVEN COMPANY, New York, N. Y., Chicago, Ill., and Pittsburgh, Pa.
Filed July 18, 1925. Serial No. 217,558. PUBLISHED SEPTEMBER 22, 1925.

206,847. MEN'S, LADIES', AND CHILDREN'S BATHROBES AND LADIES' AND CHILDREN'S KIMONOS. KORACH BROTHERS, Chicago, Ill
Filed July 16, 1925. Serial No. 217,468. PUBLISHED SEPTEMBER 22, 1925.

206,848. LAWN MOWERS. BLAIR MANUFACTURING COMPANY, Springfield, Mass.
Filed July 16, 1925. Serial No. 217,443. PUBLISHED SEPTEMBER 22, 1925.

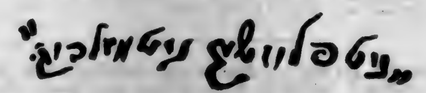
206,849. PREPARATION FOR CLEANING AND CULTIVATING THE HAIR AND FOR COLORING THE HAIR, HAIR WASHES, AND HAIR OILS. ADALBERT KORDINA, Bautzen, Germany.
Filed July 15, 1925. Serial No. 217,402. PUBLISHED SEPTEMBER 22, 1925.

206,850. ANTISEPTIC TABLETS. WARNER, WOODMAN CO. INC., doing business as The Sawyer Laboratories, Manchester, N. H.
Filed July 14, 1925. Serial No. 217,378. PUBLISHED SEPTEMBER 22, 1925.

[ACT OF FEBRUARY 20, 1905.]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

206,851. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) I. ROKEACH & SONS, INC., Brooklyn, N. Y.
Filed May 7, 1925. Serial No. 213,992.



*Particular description of goods.*—Vegetable Fat.
*Claims use* for not less than one year.

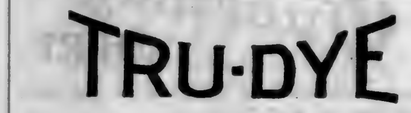
206,852. (CLASS 12. CONSTRUCTION MATERIALS.) ASHLAND FIRE BRICK COMPANY, Ashland, Ky. Filed Oct. 2, 1925. Serial No. 221,086.

*Particular description of goods.*—Fire Brick.
*Claims use* since Aug. 11, 1915.

206,853. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THOMAS MOORE, Minneapolis, Minn. Filed Oct. 1, 1925. Serial No. 221,071.

*Particular description of goods.*—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
*Claims use* since July 3, 1922.

206,854. (CLASS 39. CLOTHING.) AARON WEINBERG, doing business as Master Shirt Company, New York, N. Y. Filed Sept. 25, 1925. Serial No. 220,814.




*Particular description of goods.*—Dress and Negligee Shirts.
*Claims use* since 1923.

206,855. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Sept. 29, 1925. Serial No. 220,940.

*Particular description of goods.*—Dress and Negligee Shirts.
*Claims use* since Feb. 13, 1924.

206,856. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE CLEVELAND GAS BURNER & APPLIANCE COMPANY, Cleveland, Ohio. Filed Sept. 21, 1925. Serial No. 220,499.

*Particular description of goods.*—Gas Burners.
*Claims use* since June, 1918.

206,857. (CLASS 39. CLOTHING.) HYRAM J. JANOVER, New York, N. Y. Filed Sept. 8, 1925. Serial No. 219,967.

*Particular description of goods.*—Hosiery.
*Claims use* since July, 1922.

206,858. (CLASS 39. CLOTHING.) WEISMAN & WEISMAN, doing business as Everstyle Skirt Co., New York, N. Y. Filed July 13, 1925. Serial No. 217,311.

EVERSTYLE
SKIRT CO.

*Particular description of goods.*—Ladies' Skirts.
*Claims use* since January, 1920.

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206,859. (CLASS 39. CLOTHING.) GUARANTY SHIRT CO., New York, N. Y. Filed July 13, 1925. Serial No. 217,272.

THE Guaranty SHIRT

*Particular description of goods.*—Men's and Boys' Dress, Negligee and Work Shirts.
*Claims use* since June, 1922.

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206,860. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ETABLISSEMENTS CH. LOONEN, Paris, France. Filed Aug. 1, 1923. Serial No. 183,910.

PARISIAN IVORY

*Particular description of goods.*—Nail Files, Cuticle Knives, and Corn Knives.
*Claims use* since 1905.

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206,861. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ETABLISSEMENTS CH. LOONEN, Paris, France. Filed Aug. 1, 1923. Serial No. 183,911.

PARISIAN SHELL

*Particular description of goods.*—Nail Files, Cuticle Knives, and Corn Knives.
*Claims use* since 1911.

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206,862. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WHITTEMORE BROTHERS CORPORATION, Cambridge, Mass. Filed Aug. 9, 1923. Serial No. 184,273.

CLEANALL

*Particular description of goods.*—A Preparation for Cleaning Velvet, Silk, and Satin, and Kid Shoes, Slippers, Gloves, and Belts.
*Claims use* since February, 1910.

206,863. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MILTON G. GOFF, doing business as Premier Manufacturing Co., Detroit, Mich. Filed June 4, 1924. Serial No. 198,065.

SHARP
EASY

*Particular description of goods.*—Knife Sharpeners.
*Claims use* since Apr. 28, 1924.

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206,864. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAGNOLIA CITRUS ASSOCIATION, Porterville, Calif. Filed July 3, 1924. Serial No. 199,562.

MALTA

The pictorial representation of a wrapped orange shown in the drawing is disclaimed except in connection with the other features of the mark.
*Particular description of goods.*—Fresh Citrous Fruits.
*Claims use* since Nov. 22, 1922.

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206,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SCHLORER DELICATESSEN CO., INC., Philadelphia, Pa. Filed Aug. 14, 1924. Serial No. 201,414.

Mrs. Schlorer's

*Particular description of goods.*—Salads and Salad Dressings Containing Either a Vegetable or an Edible Mineral Oil, Marmalades, Potato Salads, Vegetable and Fruit Relishes, Appetizers, and Sandwich Fillers.
*Claims use* since June, 1911.



206,866. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DORWIN SPRINGS SAND & STONE COMPANY, Syracuse, N. Y. Filed Oct. 3, 1924. Serial No. 203,372.

LAUNDRY-WASHED

*Particular description of goods.*—Sand.
*Claims use* since Sept. 15, 1924.

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206,867. (CLASS 37. PAPER AND STATIONERY.) FREDERIC T. BURKHARDT, Holyoke, Mass. Filed Oct. 31, 1924. Serial No. 204,654.

CLYDESDALE

*Particular description of goods.*—Writing Paper.
*Claims use* since Oct. 22, 1924.

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206,868. (CLASS 39. CLOTHING.) ELLIOTT HOSIERY COMPANY INC., New York, N. Y. Filed Dec. 10, 1924. Serial No. 206,518.

DUO-TOE

Trade-mark consists of the words "Duo-Toe."
*Particular description of goods.*—Hosiery.
*Claims use* since Oct. 1, 1924.

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206,869. (CLASS 37. PAPER AND STATIONERY.) JAMES LYNN, doing business as James Lynn Company (not inc.), Chicago, Ill. Filed Jan. 12, 1925. Serial No. 207,985.

LITTLE GIANT

*Particular description of goods.*—Blackboard Erasers.
*Claims use* since Oct. 10, 1923.

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206,870. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. SWALL & SONS, Tulare, Calif. Filed Jan. 24, 1925. Serial No. 208,622.

Western

*Particular description of goods.*—Fresh Deciduous Fruits—Namely, Prunes.
*Claims use* since about 1915.

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206,871. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) REECE FOLDING MACHINE COMPANY, Boston, Mass. Filed Feb. 25, 1925. Serial No. 210,141.

REECE

*Particular description of goods.*—Machines for Infolding Blanks of Fabric or Other Sheet Material for Cuffs, Collars, Bosoms, Pads, Pockets, Garters, and Various Other Articles.
*Claims use* since Apr. 3, 1900.

206,872. (CLASS 32. FURNITURE AND UPHOLSTERY.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed Mar. 3, 1925. Serial No. 210,434.

Biltwell

*Particular description of goods.*—Kitchen Cabinets and Kitchen Tables.
*Claims use* since Oct. 1, 1924.

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206,873. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed Mar. 3, 1925. Serial No. 210,435.

Biltwell

*Particular description of goods.*—Coal-Burning Stoves, Oil Stoves, and Gas Stoves.
*Claims use* since Oct. 1, 1924.

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206,874. (CLASS 39. CLOTHING.) QUACKENBUSH COMPANY, Paterson, N. J. Filed Mar. 5, 1925. Serial No. 210,578.

Quackenbush Co
SOLE-FLEX

*Particular description of goods.*—Shoes and Slippers of Leather, Rubber, and Fabric, and Combinations of Those Materials.
*Claims use* since Nov. 1, 1923.

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806,875. (CLASS 2. RECEPTACLES.) BENNETT-BARNES COMPANY, Terre Haute, Ind. Filed Mar. 19, 1925. Serial No. 211,250.

PEERLESS
SEPTIC TANK

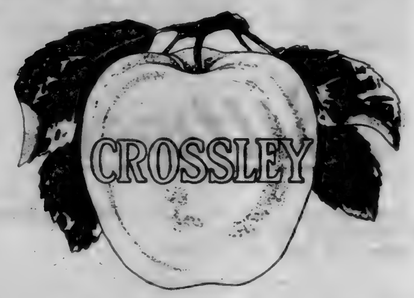
*Particular description of goods.*—Concrete and Reenforced Septic Tanks.
*Claims use* since Oct. 20, 1924.

206,876. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DAVID GARFINKLE, doing business as Clamp-Swing Pricing Co., Alameda, Calif. Filed Mar. 24, 1925. Serial No. 211,525.

"CLAMP-SWING"

*Particular description of goods.*—Price-Card Holders.
*Claims use* since Nov. 1, 1924.

206,877. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM CROSSLEY, New York, N. Y., doing business as D. Crossley & Sons of New York, London, Liverpool and Glasgow. Filed Apr. 18, 1925. Serial No. 212,893.




*Particular description of goods.*—Fresh Apples.
*Claims use* since September, 1919.

206,878. (CLASS 39. CLOTHING.) THE HUB, HENRY C. LYTTON & SONS, Chicago, Ill. Filed June 22, 1925. Serial No. 216,099.

Londonderry

*Particular description of goods.*—Scarfs, Sometimes Referred to as Neckties, Bath Robes, Hosiery, Sweaters, Topcoats, Mufflers, and Pyjamas.
*Claims use* since Mar. 1, 1924.

206,879. (CLASS 39. CLOTHING.) I. G. HELLER & SONS, Chicago, Ill. Filed July 6, 1925. Serial No. 216,906.

*Particular description of goods.*—Ladies' and Misses' Dresses, Coats, and Costumes.
*Claims use* since Sept. 5, 1924.

## TRADE-MARK REGISTRATIONS RENEWED

26,702. BREAD. Registered June 18, 1895. OSCAR G. PETTERSON. Renewed June 18, 1925, to Oscar G. Petterson Company, Cambridge, Mass., a Corporation of Massachusetts, assignee.

26,860. A REMEDY FOR ANÆMIA, CHLOROSIS, MEGRIM, AND NEURALGIA. Registered July 23, 1895. KNOLL & Co. Renewed July 23, 1925, to Knoll & Co. A.-G., Liestal, Switzerland, a Corporation of Switzerland, assignee.

26,882. STARCH. Registered July 30, 1895. J. C. HUBINGER BROS. Co. Renewed July 30, 1925, to The J. C. Hubinger Bros. Co., Keokuk, Iowa, and New Haven, Conn., a Corporation of Iowa, assignee.

26,908. POTASH AND LYE. Registered August 6, 1895. A. MENDLESON & SONS. Renewed August 6, 1925, to B. T. Babbitt, Albany, N. Y., a Corporation of New Jersey, assignee.

26,967. TEA. Registered August 20, 1895. SPRAGUE, WARNER & Co. Renewed August 20, 1925, to Sprague, Warner & Company, Chicago, Ill., a Corporation of Illinois, successor.

26,970. RICE. Registered August 20, 1895. GOLDBERG, BOWEN & LEBENBAUM. Renewed August 20, 1925, to Goldberg, Bowen & Co., San Francisco, Calif., a Corporation of California, assignee.

27,031. CONFECTIONERY. Registered September 3, 1895. W. F. SCHRAFFT & SONS. Renewed September 3, 1925, to W. F. Schrafft & Sons Corporation, Boston, Mass., a Corporation of Massachusetts, assignee.

27,099. CANNED GOODS. Registered September 24, 1895. SPRAGUE, WARNER & Co. Renewed September 24, 1925, to Sprague, Warner & Company, Chicago, Ill., a Corporation of Illinois, successor.

27,134. SOAP, PERFUMERY, AND COSMETICS. Registered October 8, 1895. CHARLES R. BAILEY, New York, N. Y. Renewed October 8, 1925, to Haskins Brothers & Company, Sioux City, Iowa, and Omaha, Nebr., a Corporation of Iowa, assignee.

27,287. DELFT WARE. Registered November 19, 1895. JOOST THOOFT & LABOUCHERE, Delft, Holland. Renewed November 19, 1925, to Naamlooze Vennootschap Koninklijke Delftsch Aardewerkfabriek "De Porceleijne Fles" voorheen Joost Thooft & Labouchere, Delft, Netherlands, a Corporation of Netherlands, assignee.

27,318. CERTAIN NAMED MEDICINES AND TOILET PREPARATIONS. Registered November 26, 1895. BOEHRINGER & REUSS, Cannstadt, Germany. Renewed November 26, 1925, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

27,388. SOPORIFICS. Registered December 3, 1895. FIRM OF E. MERCK, Darmstadt, Germany. Renewed December 3, 1925, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

27,389. SOPORIFICS. Registered December 3, 1895. FIRM OF E. MERCK, Darmstadt, Germany. Renewed December 3, 1925, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

27,391. CHEMICAL PRODUCTS AND COLORS FOR USE AS DISINFECTANTS. Registered December 3, 1895. HARTMANN & HAUBER, Hanover, Germany. Renewed December 3, 1925, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.



27,401. KOJI, MOYASHI, DIASTASE, FERMENTS OF YEAST, AND CONVERTING AGENTS. Registered December 3, 1895. JOKICHI TAKAMINE, Chicago, Ill. Renewed December 3, 1925, to Takamine Ferment Company, New York, N. Y., a Corporation of West Virginia, assignee.

27,437. COFFEE SUBSTITUTES. Registered December 8, 1895. KATHREINER'S MALZKAFFEE-FABRIKEN MIT BESCHRÄNKTER HAFTUNG, Munich, Uerdingen, and Berlin, Germany. Renewed December 8, 1925, to Kathreiner's Malzkaffee-Fabriken Gesellschaft Mit Beschrankter Haftung, Berlin, Germany, a Corporation of Germany, assignee.

27,443. CANNED GOODS. Registered December 10, 1905. HAMBURGH CANNING COMPANY, Hamburg, N. Y. a Corporation of New York. Renewed December 10, 1925.

27,454. TETRAJODPHENOLPHTHALEIN, AN ANTISEPTIC SUBSTANCE. Registered December 10, 1895. CHEMISCHE FABRIK RHENANIA, Aix-la-Chapelle, Germany. Renewed December 10, 1925, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

27,464. WEIGHING OR MEASURING SCALES. Registered December 10, 1895. BUFFALO SCALE Co. Renewed December 10, 1925, to Buffalo Scale Company, Inc., Buffalo, N. Y., a Corporation of New York, assignee.

27,468. ELECTRICAL SUPPLIES. Registered December 10, 1895. ELECTRIC APPLIANCE COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed December 10, 1925.

27,475. FINE WRITING PAPER. Registered December 17, 1895. Hampshire Paper Co. Renewed December 17, 1925, to Carew Manufacturing Co., South Hadley Falls, Mass., a Corporation of Massachusetts, assignee.

27,564. A RESTORATIVE. Registered December 31, 1895. EDWIN H. HAMMER. Renewed December 31, 1925, to Fairchild Bros. & Foster, New York, N. Y., a Corporation of New York, assignee by mesne assignments.

27,568. PERFUMERY, TOILET PREPARATIONS, POWDER, TOILET WATER, AND INGREDIENTS FOR THE BATH. Registered December 31, 1895. HEINRICH MACK, Ulm-on-the-Danube and Illertissen, Germany. Renewed December 31, 1925, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

27,681. BICYCLES, TRICYCLES, QUADRICYCLES, AND OTHER LIGHT VEHICLES OF SIMILAR CHARACTER AND THEIR ACCESSORIES. Registered January 21, 1896. THE ADAMS & WESTLAKE COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed January 21, 1926.

27,682. BICYCLES, TRICYCLES, QUADRICYCLES, AND OTHER VEHICLES OF SIMILAR CHARACTER AND THEIR ACCESSORIES. Registered January 21, 1896. THE ADAMS & WESTLAKE COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed January 21, 1926.

27,694. CONFECTIONERY. Registered January 28, 1896. WRIGHT & MOODY. Renewed January 28, 1926, to New England Confectionery Company, Boston, Mass., a Corporation of Massachusetts, assignee.

27,735. A REMEDY FOR LIVER DISEASE. Registered February 6, 1896. ERNEST LINWOOD ANDREWS, Bristol, Tenn. Renewed February 6, 1926.

27,741. CERTAIN NAMED DAIRY PRODUCTS. Registered February 4, 1896. T. W. BRADY & Co. Renewed February 4, 1926, to The Meriden Creamery Company, Kansas City, Mo., a Corporation of Missouri, assignee.

27,770. WHISKY. Registered February 11, 1896. THE MELLWOOD DISTILLERY COMPANY, Louisville, Ky. Renewed February 11, 1926, to Kentucky Distilleries & Warehouse Co., New York, N. Y., a Corporation of New Jersey, assignee.

27,811. SPIRITS. Registered February 18, 1896. AMERICAN SPIRITS MANFG. Co., New York, N. Y., and Peoria, Ill. Renewed February 18, 1926, to Kentucky Alcohol Corporation, New York, N. Y., a Corporation of Delaware, assignee.

27,817. SPICES, FLAVORING EXTRACTS, AND MANUFACTURED COCONUT. Registered February 18, 1896. CITIZENS' WHOLESALE SUPPLY Co. Renewed February 18, 1926, to The Citizens' Wholesale Supply Company, Columbus, Ohio, a Corporation of Ohio, assignee.

27,820. WHEAT FLOUR. Registered February 18, 1896. THE HIGGINSVILLE MILLING COMPANY, Higginsville, Mo., a Corporation of Missouri. Renewed February 18, 1926.

27,938. PREPARED COFFEE. Registered March 10, 1896. L. H. PARKE & Co. Renewed March 10, 1926, to L. H. Parke Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

27,959. WHISKY. Registered March 17, 1896. THE MELLWOOD DISTILLERY COMPANY, Louisville, Ky. Renewed March 17, 1926, to Kentucky Distilleries & Warehouse Co., New York, N. Y., a Corporation of New Jersey, assignee.

28,022. CERTAIN NAMED CHEMICAL COMPOUNDS. Registered March 24, 1896. VREELAND TOMPKINS. Renewed March 24, 1926, to Smooth-On Manufacturing Company, Jersey City, N. J., a Corporation of New Jersey, assignee.

28,032. SUGAR-CURED MEATS. Registered March 31, 1896. JACOB VOGEL & SON, Cincinnati, Ohio. Renewed March 31, 1926.

28,037. WHISKY. Registered March 31, 1896. MELLWOOD DISTILLERY Co., Louisville, Ky. Renewed March 31, 1926, to Kentucky Distilleries & Warehouse Co., New York, N. Y., a Corporation of New Jersey, assignee.

28,181. POCKET AND OTHER KNIVES. Registered April 21, 1896. A. BALDWIN & Co., LTD., New Orleans, La., a Corporation of Louisiana. Renewed April 21, 1926.

46,559. POWDERED PAINTS. Registered September 26, 1905. W. H. KEMP Co., New York, N. Y. Renewed September 26, 1925.

48,207. HAIR REMOVER. Registered December 19, 1905. DE MIRACLE CHEMICAL Co., New York, N. Y., a corporation of New York. Renewed December 19, 1925.

48,211. BITS, SPURS, STIRRUPS, BUCKLES, RINGS, TERRETS, AND HAMES. Registered December 19, 1905. F. EGLINGTON, Walsall, England. Renewed December 19, 1925.

8,285. COTTON PIECE GOODS. Registered December 19, 1905. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Renewed December 19, 1925, to Massachusetts Cotton Mills, Lowell and Boston, Mass., a Corporation of Massachusetts.

48,571. WHISKY. Registered January 2, 1906. BERNHEIM DISTILLING Co. INC. Renewed January 2, 1926, to Bernheim Distilling Company, Louisville, Ky., a Corporation of Kentucky, successor.

48,829. LEATHER FOR THE UPPERS OF SHOES. Registered January 16, 1906. ROBERT H. FOERDERER, INCORPORATED, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed January 16, 1926.

48,953. STOVES, FURNACES, AND RANGES. Registered January 16, 1906. THE FAVORITE STOVE & RANGE Co., Piqua, Ohio, a Corporation of Ohio. Renewed January 16, 1926.

49,006. BAKING POWDER. Registered January 16, 1906. PRICE BAKING POWDER COMPANY, Chicago, Ill. Renewed January 16, 1926, to Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

49,096. A VETERINARY REMEDY. Registered January 23, 1906. OSMOND O. HATTERVIG, Viborg, S. Dak. Renewed January 23, 1926.

49,155. HATCHETS, AXES, AND ADZES. Registered January 23, 1906. JAMES C. LINDSAY HARDWARE CO., Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed January 23, 1926.

49,156. A PROPRIETARY MEDICINE. Registered January 23, 1906. DR. KILMER & CO., Binghamton, N. Y., a Corporation of New York. Renewed January 23, 1926.

49,181. LYE AND POTASH. Registered January 30, 1906. BROOKMAN MANUFACTURING COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed January 30, 1926.

49,394. AN ABRADANT. Registered February 6, 1906. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y., a Corporation of Pennsylvania. Renewed February 6, 1926.

49,441. BURIAL CASKETS, COFFINS, AND FIXTURES THEREFOR. Registered February 6, 1906. NATIONAL CASKET CO., Hoboken, N. J. Renewed February 6, 1926, to National Casket Company, Incorporated, New York, N. Y., a Corporation of New York, assignee.

49,485. TOILET WATER. Registered February 6, 1906. HUDNUT'S PHARMACY. Renewed February 6, 1926, to Richard Hudnut, New York, N. Y., a Corporation of New York, assignee.

49,526. PACKINGS. Registered February 6, 1906. KEASBEY & MATTISON COMPANY, Ambler, Pa., a Corporation of Pennsylvania. Renewed February 6, 1926.

49,607. CARTRIDGES AND CARTRIDGE SHELLS. Registered February 13, 1906. THE UNION METALLIC CARTRIDGE COMPANY, Bridgeport, Conn. Renewed February 13, 1926, to Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y., a Corporation of Delaware, assignee.

46,653. TOILET AND LAUNDRY SOAP. Registered February 13, 1906. HASKINS BROS. & Co., Sioux City, Iowa, and Omaha, Nebr., a Corporation of Iowa. Renewed February 13, 1926.

49,851. DRUMS. Registered February 20, 1906. DUPLEX MANUFACTURING COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed February 20, 1926.

50,008. GLAZED AND DULL OR "MAT" KID. Registered February 27, 1906. KEYSTONE LEATHER CO., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed February 27, 1926.

50,071. PUMICE SOAP. Registered March 6, 1906. IOWA SOAP COMPANY, Burlington, Iowa, a Corporation of Iowa. Renewed March 6, 1926.

50,104. CARBORUNDUM ABRASIVE MATERIAL. Registered March 6, 1906. THE CARBORUNDUM COMPANY, New York, N. Y., a Corporation of Pennsylvania. Renewed March 6, 1926.

50,172. SHIRTINGS, SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1906. GRINNELL WILLIS & Co. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,299. COFFEE. Registered March 6, 1906. THE INDEPENDENCE COFFEE AND SPICE CO., Pueblo, Colo. Renewed March 6, 1926, to The Independence Coffee and Spice Co., Denver, Colo., a Corporation of Colorado.

50,305. WHEAT FLOUR. Registered March 6, 1906. THORNTON & CHESTER MILLING CO., Buffalo, N. Y., a Corporation of New York. Renewed March 6, 1926.

50,309. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1906. GRINNELL WILLIS & Co. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,310. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1906. GRINNELL WILLIS & Co. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,311. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1906. GRINNELL WILLIS & Co. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,312. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1906. GRINNELL WILLIS & Co. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,314. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1906. GRINNELL WILLIS & Co. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,315. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1906. GRINNELL WILLIS & Co. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,316. SHEETINGS AND SHIRTINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1906. GRINNELL WILLIS & Co. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,317. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1906. GRINNELL WILLIS & Co. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,318. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1906. GRINNELL WILLIS & Co. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,319. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1896. GRINNELL WILLIS & Co. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,320. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 6, 1906. GRINNELL WILLIS & Co. Renewed March 6, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

50,335. WINE. Registered March 13, 1906. PLEASANT VALLEY WINE CO., Rheims, N. Y., a Corporation of New York. Renewed March 13, 1926.

50,365. A REMEDY FOR CHILLS, FEVER, AND AGUE AND MALARIAL DISEASES. Registered March 13, 1906. DR. DECKER MEDICINE CO. Renewed March 13, 1926, to McNeil & Mutter, Inc., Paterson, N. J., a Corporation of New Jersey, assignee.

50,421. BAKING POWDER. Registered March 13, 1906. PRICE BAKING POWDER COMPANY, Chicago, Ill. Renewed March 13, 1926, to Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

50,436. SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered March 13, 1906. GRINNELL WILLIS & Co. Renewed March 13, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.



50,444. CORN MEAL. Registered March 20, 1906. GULFPORT GROCERY COMPANY, Gulfport, Miss., a Corporation of Mississippi. Renewed March 20, 1926.

50,548. CERTAIN NAMED MEDICINES. Registered March 20, 1906. HORACE OLIVER HURLEY. Renewed March 20, 1926, to H. O. Hurley Company, Louisville, Ky., a Corporation of Kentucky, assignee.

50,565. A COUGH CURE. Registered March 20, 1906. THE KICKAPOO INDIAN MEDICINE CO., Clintonville, Conn. Renewed March 20, 1926, to Kickapoo Indian Medicine Co., Incorporated, New York, N. Y., a Corporation of Pennsylvania, assignee.

50,716. COTTON PIECE GOODS. Registered March 27, 1906. EAGLE & PHENIX MILLS, Columbus, Ga., a Corporation of Georgia. Renewed March 27, 1926.

50,780. HOSIERY. Registered March 27, 1906. COOPER, WELLS & Co., St. Joseph, Mich., a Corporation of Michigan. Renewed March 27, 1926.

50,790. HATS AND CAPS. Registered March 27, 1906. EDWARD M. KNOX. Renewed March 6, 1926, to Knox Hat Company, Inc., New York, N. Y., a Corporation of New York, assignee.

50,943. HOSIERY. Registered April 3, 1906. ONEIDA HOSIERY COMPANY, Oneida, N. Y. Renewed April 3, 1926, to Cadet Knitting Company, Philadelphia, Pa., a Corporation of Delaware, assignee.

51,161. SELF-PLAYING PIANOS AND PIANO PLAYERS. Registered April 3, 1906. THE AUTOPIANO COMPANY, New York, N. Y., a Corporation of New York. Renewed April 3, 1926.

51,227. CERTAIN NAMED ARTICLES OF STATIONERY. Registered April 10, 1906. EBERHARD FABER, New York, N. Y. Renewed April 10, 1926, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a Corporation of New York, assignee.

51,234. A NERVE AND NUTRITIVE TONIC. Registered April 10, 1906. GEO. A. NEWMAN CO. Renewed April 10, 1926, to Newman Pharmacal Company, Louisville, Ky., assignee.

51,484. TEA. Registered April 17, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed April 17, 1926.

51,942. MEDICAL COMPOUNDS. Registered April 24, 1906. THE OWL DRUG CO. Renewed April 24, 1926, to The Owl Drug Company, San Francisco, Calif., a Corporation of Nevada, assignee.

# LABELS

## REGISTERED DECEMBER 8, 1925.

29,591.—*Title:* NAPOLEON'S FRENCH DRESSING. For Salad Dressing. ARTHUR G. BROWNE, doing business as Napoleon Salad Dressing Company, Los Angeles, Calif. Published July 1, 1925.

29,592.—*Title:* WHITE HOUSE CANDIES. For Candies. B. S. & S. M. BUSHMAN, doing business as B. & S. Bushman, Buffalo, N. Y. Published September 1, 1925.

29,593.—*Title:* CALIFORNIA C & G BRAND. For Bleaching Water. CALIFORNIA BLEACHING WATER Co., San Francisco, Calif. Published September 23, 1925.

29,594.—*Title:* CANADIAN CLUB. For Ginger Ale. CANADIAN CLUB CORPORATION, formerly Canadian Extract Company, Boston, Mass. Published September 12, 1925.

29,595.—*Title:* EL DORADO, THE PERFECT FACE CREAM. For Facial Toilet Creams. GEORGE E. COX AND SONS, Long Beach, Calif. Published September 1, 1925.

29,596.—*Title:* BRAN GOODIES. For Confectionery. CHARLES L. DEAN, New York, N. Y. Published October 27, 1925.

29,597.—*Title:* DE VINNY. For Fresh Grapes. R. H. DE VINNY, Lodi and Dougherty, Calif. Published October 3, 1925.

29,598.—*Title:* ZOVIA. For a Concentrated Mineral Water. ELECTRIC POULTRY PRODUCT COMPANY, San Gabriel, Calif. Published July 24, 1925.

29,599.—*Title:* ARM-O POUDRE. For a Powder Used to Prevent Odor of Perspiration. EMIL L. FAIRCHILD, New York, N. Y. Published June 25, 1925.

29,600.—*Title:* FREEMAN'S DUST ABSORBER. For Freeman's Dust Absorber. THE FREEMAN DUST ABSORBER MANUFACTURING COMPANY, Colorado Springs, Colo. Published June 1, 1925.

29,601.—*Title:* JOLLY BOY. For Soft Drink. JACKSON BREWING COMPANY, New Orleans, La. Published October 5, 1925.

29,602.—*Title:* MEADOW QUEEN. For Butter. FRANK J. KAUFMAN, Baltimore, Md. Published October 28, 1925.

29,603.—*Title:* SKIN-TONE. For Skin Liquid Powder. A. J. KRANK MFG. CO., St. Paul, Minn. Published September 19, 1925.

29,604.—*Title:* TUX. For Ginger Ale. HERBERT R. LAND, doing business as Crystal Water Co., Los Angeles, Calif. Published October 30, 1925.

29,605.—*Title:* NUTWHEAT. For a Cereal Breakfast Food. JOHN W. LIMBERT, doing business as The Nutwheat Milling Co., Muncie, Ind. Published September 8, 1925.

29,606.—*Title:* STORM-SEAL. For Asbestos Roof Renewer. LE ROY W. MCDANIEL, Baltimore, Md. Published October 8, 1925.

29,607.—*Title:* MARTIN'S FOUR-IN-ONE. For White Diarrhea Tablets for Baby Chicks. WILLIAM ERNST MARTIN, Trinidad, Colo. Published July 8, 1925.

29,608.—*Title:* MARCA FRANTOIO. For Olive Oil. EMILIO MARTINI, Chicago, Ill. Published August 14, 1925.

29,609.—*Title:* RED CIRCLE HOME MADES. For Candy. THE MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published October 10, 1925.

29,610.—*Title:* OCEAN-O. For a Carton in Which a Bottle is Inclosed Containing a Regulating Tonic and Detoxicant. OCEANO PRODUCTS COMPANY, Newark, N. J. Published May 5, 1925.

29,611.—*Title:* OCEAN-O. For a Bottle Containing a Regulating Tonic and Detoxicant. OCEANO PRODUCTS COMPANY, Newark, N. J. Published May 5, 1925.

29,612.—*Title:* C-T-C COCH THAT COUGH, COUGH SYRUP. For Cough Sirup. PAGE-HUDSON, Monroe, N. C. Published October 28, 1925.

29,613.—*Title:* PAL LAXATIVE JELLY. For Pal Laxative Jelly. PAL PHARMACAL CO. INC., Jamaica, N. Y. Published June 9, 1925.

29,614.—*Title:* PEGGY PALMER FROCKS. For Ladies' Frocks. PEGGY PALMER GARMENT CO., St. Louis, Mo. Published October 1, 1925.

29,615.—*Title:* S. M. PHILLIPS FLOUR MILLS 4 BIG FOUR PANCAKE AND WAFFLE FLOUR. For Pancake and Waffle Flour. S. M. PHILLIPS FLOUR MILLS, San Francisco, Calif. Published October 19, 1925.

29,616.—*Title:* RADIUMORA. For an Appliance Used for Charging Fluids, Particularly Drinking Water, with Radioactivity. RADIUMORA APPLIANCE COMPANY, San Francisco, Calif. Published September 5, 1925.

29,617.—*Title:* ONCE-A-DAY FOOT BALM. For a Foot Balm. WILLIAM ALLEN REEVES, New York, N. Y. Published August 16, 1925.

29,618.—*Title:* RENEW-ALL. For Surface Finishing and Preserving Compound. RENEW-ALL MANUFACTURING CO., Los Angeles, Calif. Published October 5, 1925.

29,619.—*Title:* SAHARA DRY STORAGE BATTERY. For Dry Storage Batteries. SAHARA DRY BATTERY COMPANY, Providence, R. I. Published August 26, 1925.

29,620.—*Title:* QUEEN. For Honey Nut Spread. EVERETT SAUTER, Portland, Oreg. Published September 28, 1925.

29,621.—*Title:* SKOOKUM. For Table Sirup. D. B. SCULLY SYRUP COMPANY, Chicago, Ill. Published October 29, 1925.

29,622.—*Title:* C'S CORN AND CALLOUS CURE. For Salve. BELLE MARSH SEAGER, Los Angeles, Calif. Published September 3, 1925.

29,623.—*Title:* MOLLY STARK. For Vanishing Cream. LILLIAN M. STARK, doing business as Molly Stark, Sound Beach, Conn. Published June 27, 1925.

29,624.—*Title:* OLD GERMAN LAGER. For Malt Extracts and Liquors—Namely, Old German Lager. HARRY D. STRATTON, San Francisco, Calif. Published September 12, 1925.

29,625.—*Title:* OFF OR ON. For Game. WILLARD S. TENNEY, doing business as Tenney-Reiper, Natick, Mass. Published August 18, 1924.

29,626.—*Title:* GLENDALE. For Butter. TILDEN PRODUCE CO., St. Paul, Minn. Published September 28, 1925.

29,627.—*Title:* BRET HARTE BRAND TUOLUMNE MOUNTAIN APPLES. For Apples. TUOLUMNE APPLE GROWERS' ASSOCIATION, Soulsbyville, Calif. Published August 15, 1925.

29,628.—*Title:* TWISTOP. For Package Salt. TWISTOP PRODUCTS CORPORATION, Los Angeles, Calif. Published October 8, 1925.

# PRINTS

## REGISTERED DECEMBER 8, 1925.

8,427.—*Title:* "BUT, MY DEAR, I THOUGHT." For Pharmaceutical Preparation for Relieving Pain. THE BARBASOL COMPANY, doing business as Barbasol Pharmaceutical Laboratories, Indianapolis, Ind. Published April 1, 1925.

8,428.—*Title:* "SO YOU'VE TAKEN MR. WILLARD'S PLACE!" For Pharmaceutical Preparation for Relieving Pain. THE BARBASOL COMPANY, doing business as Barbasol Pharmaceutical Laboratories, Indianapolis, Ind. Published April 1, 1925.

8,429.—*Title:* "MY DEAR, I'M AFRAID I'LL HAVE TO STAY HOME." For Pharmaceutical Preparation for Relieving Pain. THE BARBASOL COMPANY, doing business as Barbasol Pharmaceutical Laboratories, Indianapolis, Ind. Published April 1, 1925.

8,430.—*Title:* "BUT, MY DEAR, HOW CAN YOU LOOK SO FRESH AND BEAUTIFUL WHEN—" For Pharmaceutical Preparation for Relieving Pain. THE BARBASOL COMPANY, doing business as Barbasol Pharmaceutical Laboratories, Indianapolis, Ind. Published April 1, 1925.

8,431.—*Title:* A FORMULA FOR CEREAL GRUEL IN DIFFICULT FEEDING CASES. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published October 31, 1925.

8,432.—*Title:* CUNNINGHAM RADIO TUBES PUT SMILES ON TIRED MEN'S FACES. For Radiotubes. E. T. CUNNINGHAM, INC., San Francisco, Calif. Published September 20, 1925.

8,433.—*Title:* CUNNINGHAM RADIO TUBES BRING THE IMPORTANT MARKET REPORTS. For Radiotubes. E. T. CUNNINGHAM, INC., San Francisco, Calif. Published September 20, 1925.

8,434.—*Title:* CUNNINGHAM RADIO TUBES BRING NEWS FROM SANTA CLAUS. For Radiotubes. E. T. CUNNINGHAM, INC., San Francisco, Calif. Published September 20, 1925.

8,435.—*Title:* CUNNINGHAM RADIO TUBES HAVE GREAT EDUCATIONAL VALUE. For Radiotubes. E. T. CUNNINGHAM, INC., San Francisco, Calif. Published September 20, 1925.

8,436.—*Title:* CUNNINGHAM RADIO TUBES BRING JAZZ FROM THE BIG HOTELS. For Radiotubes. E. T. CUNNINGHAM, INC., San Francisco, Calif. Published September 20, 1925.

8,437.—*Title:* CUNNINGHAM RADIO TUBES BRING "SPORTS" NEWS THROUGH THE AIR. For Radiotubes. E. T. CUNNINGHAM, INC., San Francisco, Calif. Published September 20, 1925.

8,438.—*Title:* CUNNINGHAM RADIO TUBES BRING NOTED ARTISTS TO YOUR HOME. For Radiotubes. E. T. CUNNINGHAM, INC., San Francisco, Calif. Published September 20, 1925.

8,439.—*Title:* WE USE AND RECOMMEND CUNNINGHAM RADIO TUBES. For Radiotubes. E. T. CUNNINGHAM, INC., San Francisco, Calif. Published September 20, 1925.

8,440.—*Title:* CUNNINGHAM RADIO TUBES BRING ENJOYMENT TO CHILDREN. For Radiotubes. E. T. CUNNINGHAM, INC., San Francisco, Calif. Published September 20, 1925.

8,441.—*Title:* JULIAN GOLDMAN NEW MONEY-SAVING CLOTHING PLAN. For Clothing. THE JULIAN GOLDMAN STORES, INC., New York, N. Y. Published August 25, 1925.

8,442.—*Title:* UNITED GROCERS THE BLUE FRONT STORES. For Groceries. HANCOCK-NELSON MERCANTILE COMPANY, Minnesota Transfer, Minn. Published September 18, 1925.

8,443.—*Title:* STAR BRAND COPPER NAILS, TACKS, AND BRASS ESCUTCHEON PINS. For Copper Nails, Tacks, and Brass Escutcheon Pins. U. T. HUNGERFORD BRASS & COPPER CO., New York, N. Y. Published October 15, 1925.

8,444.—*Title:* LESCHIN ZIG-ZAG. For Hosiery. LESCHIN, INC., Chicago, Ill. Published October 3, 1925.

8,445.—*Title:* CHARACTER SHOES. For Shoes. LONDON SHOE COMPANY, INC., New York, N. Y. Published September 25, 1925.

8,446.—*Title:* EQUAL TO THE BEST—BETTER THAN THE REST. For Coffee. J. & M. MCCRACKEN CO., Boston, Mass. Published October 1, 1925.

8,447.—*Title:* RICH'S RYOTA. For a Cereal Product and Flour Composed of Oats and Rye. PURITY OATS COMPANY, Keokuk, Iowa. Published March 9, 1925.

8,448.—*Title:* RITTENHOUSE FORE-ARM CARRIER. For Receptacle and Baggage Carriers. CHARLES RITTENHOUSE, Jr., doing business as Rittenhouse Co. and Charles Rittenhouse, Cincinnati, Ohio. Published January 10, 1925.

8,449.—*Title:* SCHLAGE BUTTON-LOCKS. For Door Locks. THE SCHLAGE COMPANY, San Francisco, Calif. Published October 13, 1925.

8,450.—*Title:* "PET" LUNG MIXTURE FOR COUGHS, COLDS, ASTHMA, ETC. For a Tonic and Laxative Used in the Treatment of Coughs and Colds. HENRY G. SEYFARTH, doing business as Pet & Pett Co.-H. G. Seyfarth & Son, Chicago, Ill. Published September 27, 1925.

8,451—*Title:* INSULIN SQUIBB. For Insulin. E. R. SQUIBB & SONS, New York, N. Y. Published May 1, 1925.

8,452.—*Title:* STANDARD ODOR IMPROVED MANGE MEDICINE. For Mange Medicine. STANDARD VETERINARY PRODUCTS CO., INC., Philadelphia, Pa. Published September 1, 1925.

8,453.—*Title:* THE NEWSOGRAPH, A BUSINESS BUILDER. For an Automatic Stereopticon Machine. EDWIN STERNFELS, doing buesiness as News Bulletin Press Service, New York, N. Y. Published May 15, 1925.

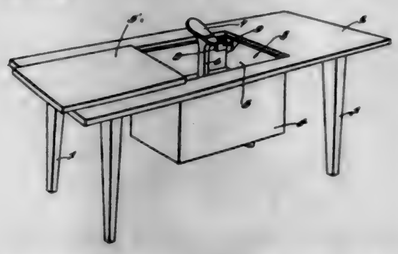
8,454.—*Title:* BOTTLERS BUREAU SURROUNDS AND PROTECTS THE BOTTLING INDUSTRY. For Bottled Beverages. UNITED MERCANTILE AGENCIES, Louisville, Ky. Published January 26, 1925.

8,455.—*Title:* PANDORA DAY. For Coats, Dresses, Hosiery, Gloves, Knickers, Umbrellas, Hand Bags, Hatboxes, Slickers, and Underthings. YALISOVE & SIGMUND, Wilmington, Del. Published October 13, 1925.

# REISSUES

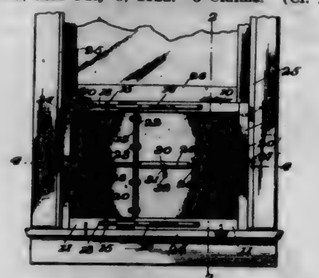
## DECEMBER 8, 1925.

16,221. SHOE-SHINING STAND. CHARLES J. GREEN, Chicago, Ill. Filed Oct. 20, 1925. Serial No. 63,771. Original No. 1,486,240, dated Mar. 11, 1924, Serial No. 487,703, filed July 26, 1921. 4 Claims. (Cl. 15—265.)



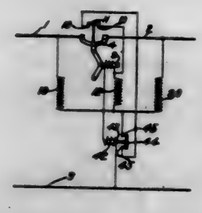
4. In an apparatus of the character described, a housing, a receptacle mounted in the housing for vertical movement therein and fitting snugly the interior of the housing, a foot rest carried by the receptacle and extending upwardly therefrom, and means for releasably securing the receptacle in raised position within the housing.

16,222. WINDOW SCREEN. HORACE R. ELLIS, Meadville, Pa. Filed Jan. 3, 1924. Serial No. 684,240. Original No. 1,442,657, dated Jan. 16, 1923, Serial No. 572,622, filed July 3, 1922. 6 Claims. (Cl. 156—38.)



1. A screen comprising a pair of slidably related sections having overlapping rails, the adjoining side faces of which are flush with each other, rods rigidly secured to the side faces of certain of said rods and each extending a substantial distance beyond the same into overlapping relation with a side face of the adjacent rail, and keepers carried by the side faces of certain of the rails and shaped to slidingly receive the extended portions of said rods.

16,223. ELECTRICAL SYSTEM. JOSEPH N. MAHONEY, Brooklyn, N. Y., and WALTER M. AUSTIN, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 21, 1921. Serial No. 509,415. Original No. 1,368,666, dated Dec. 28, 1920, Serial No. 117,666, filed Aug. 30, 1916. 36 Claims. (Cl. 175—294.)



1. In a system of distribution, the combination with two feeder conductors, a common return conductor, and a circuit interrupter for operatively connecting the feeder conductors together, of means actuated under all conditions, in accordance with the sum of the voltage drops between the respective feeder conductors and the return conductor for controlling the opening and closing of the circuit interrupter.

34. An automatically reclosing circuit breaker comprising a main contact member, a closing coil for effecting automatic movement of said contact member into closed position, means whereby the current in the closing coil is limited to a value sufficent to hold the main contact closed but insufficient to effect its closure from the open position, means whereby said limiting means is temporarily by-passed to permit the closing of the main contact, said means being responsive in operation to a predetermined potential.

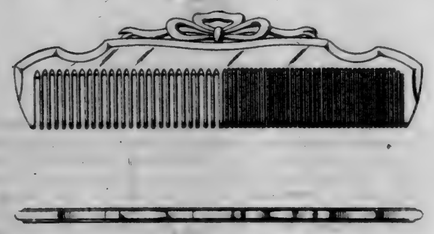
# DESIGNS

## DECEMBER 8, 1925.

68,944. DOOR HANDLE. HARRY W. AXFORD and ALBERT DE SHIELDS, San Jose, Calif. Filed Aug. 11, 1924. Serial No. 10,441. Term of patent 3½ years.

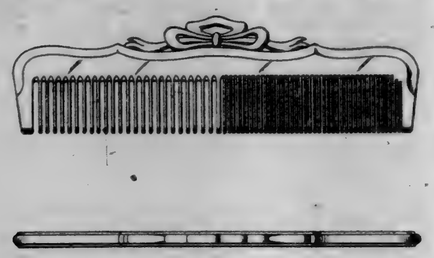
The ornamental design for a door handle as shown.

68,945. COMB. WILLIAM S. BECHTOLD, Newark, N. J. Filed June 2, 1925. Serial No. 13,635. Term of patent 7 years.



The ornamental design for a comb, as shown.

68,946. COMB. WILLIAM S. BECHTOLD, Newark, N. J. Filed June 2, 1925. Serial No. 13,637. Term of patent 7 years.



The ornamental design for a comb, as shown.



68,947. CANDLE HOLDER. ESKIL BERGSTROM, Evanston, Ill. Filed Sept. 9, 1925. Serial No. 14,731. Term of patent 14 years.

The ornamental design for a candle holder as shown.

68,948. PENDANT. GEORGE F. BERKANDER, Providence, R. I. Filed Oct. 23, 1925. Serial No. 15,230. Term of patent 3½ years.

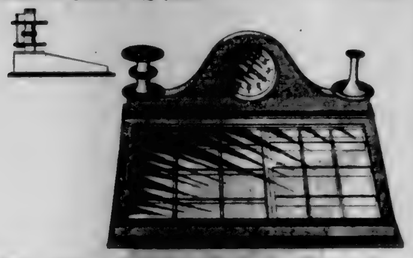
The ornamental design for a pendant, as shown.

68,949. PLATE OR SIMILAR ARTICLE. LEWIS H. BOWN, East Aurora, N. Y., assignor to Buffalo Pottery, Buffalo, N. Y. Filed Oct. 3, 1925. Serial No. 15,018. Term of patent 7 years.

The ornamental design for a plate or similar article, as shown.

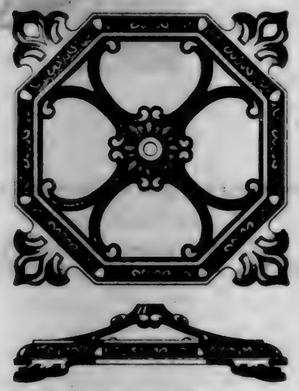


68,950. JEWELRY-DISPLAY CASE. IRVING BRANDT, Chicago, Ill. Filed June 11, 1923. Serial No. 6,456. Term of patent 3½ years.



The ornamental design for a jewelry display case, as shown.

68,951. BASE FOR SMOKER STANDS OR SIMILAR ARTICLE. LESLIE H. BURLIN, Chicago, Ill., assignor to Burlin Co., a Firm composed of Leslie H. Burlin and Walter H. Sedgwick, Chicago, Ill. Filed Aug. 8, 1925. Serial No. 14,349. Term of patent 7 years.



The ornamental design for a base for smoker stands or similar article, as shown.

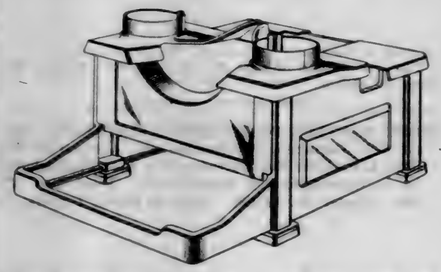
68,952. LIGHTING FIXTURE. THURE DAHL, New York, N. Y. Filed Sept. 29, 1925. Serial No. 14,940. Term of patent 7 years.

The ornamental design for a lighting fixture as shown.

68,953. LACE. ELIZABETH A. DAVIS PRESS, Jr., White Plains, N. Y. Filed Oct. 10, 1925. Serial No. 15,085. Term of patent 3½ years.

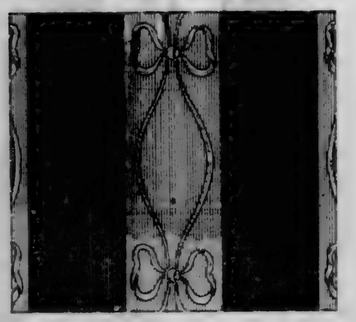
The ornamental design for lace, substantially as shown.

68,954. TYPEWRITER FRAME. BERNARD J. DOWD, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 31, 1925. Serial No. 14,669. Term of patent 14 years.



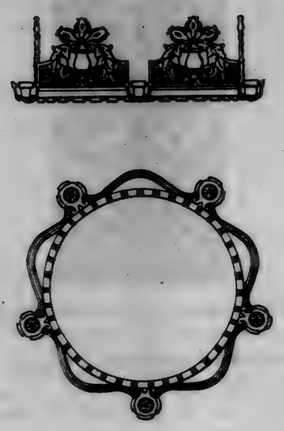
The ornamental design for a typewriter frame substantially as shown.

68,955. TEXTILE FABRIC. LAWRENCE E. ELLIS, New York, N. Y. Filed Aug. 30, 1924. Serial No. 10,630. Term of patent 7 years.



The ornamental design for a textile fabric substantially as shown.

68,956. BODY FOR LIGHTING FIXTURES. FREDERICK A. FRERICHS, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co. Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1925. Serial No. 12,902. Term of patent 7 years.



The ornamental design for a body for lighting fixtures, as shown.

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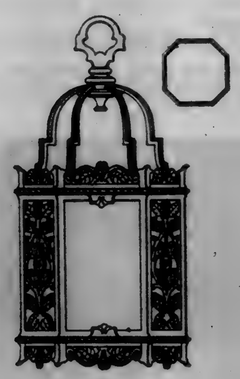
68,957. LANTERN FOR LIGHTING FIXTURES. FREDERICK A. FRERICHS, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1925. Serial No. 12,908. Term of patent 7 years.



The ornamental design for a lantern for lighting fixtures as shown and described.

68,958. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 20, 1925. Serial No. 15,187. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

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68,959. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 20, 1925. Serial No. 15,188. Term of patent 3½ years.

The ornamental design for lace substantially as shown.



68,960. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 20, 1925. Serial No. 15,189. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

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68,961. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 20, 1925. Serial No. 15,190. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,962. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 20, 1925. Serial No. 15,191. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

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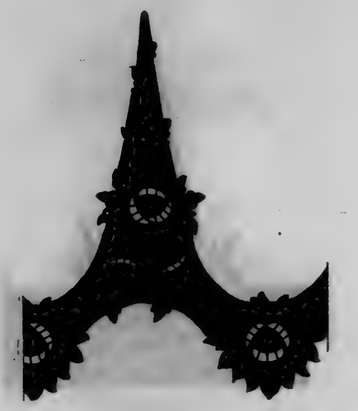
68,963. LACE. PAUL GROEBLI, New York, N. Y. Filed Oct. 20, 1925. Serial No. 15,192. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

68,964. LACE. PAUL GROSSELI, New York, N. Y. Filed Oct. 20, 1925. Serial No. 15,193. Term of patent 3½ years.

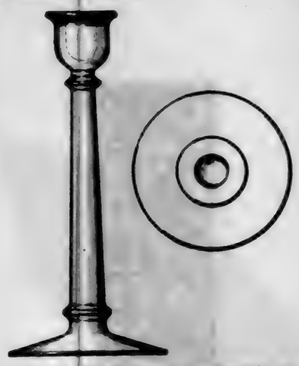


The ornamental design for lace substantially as shown.

68,965. TRAFFIC-SIGNAL STANDARD. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 1, 1925. Serial No. 14,987. Term of patent 14 years.

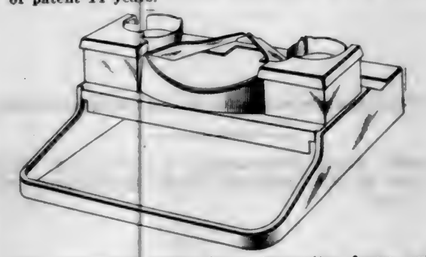
The ornamental design for a traffic signal standard as shown.

68,966. CANDLESTICK. T. CLARENCE HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio. Filed Mar. 17, 1923. Serial No. 5,500. Term of patent 14 years.



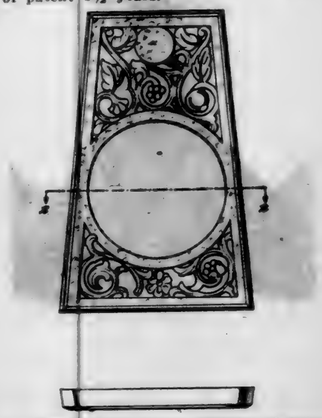
The ornamental design for a candlestick, as shown.

68,967. TYPEWRITER FRAME. EDWARD B. HESS, New York, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 14, 1925. Serial No. 14,779. Term of patent 14 years.



The ornamental design for a typewriter frame, substantially as shown.

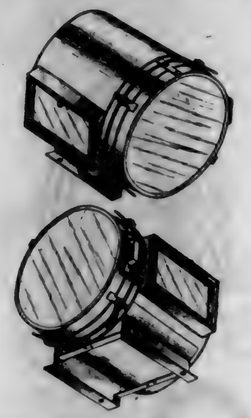
68,968. LIGHTING-FIXTURE PART OR SIMILAR ARTICLE. THEODORE HOLSHALB, Brooklyn, N. Y., assignor to The Segar Studios Inc., a Corporation of New York. Filed Sept. 26, 1925. Serial No. 14,917. Term of patent 3½ years.



The ornamental design for a lighting fixture part or similar article substantially as shown.



68,969. HEADLIGHT. LEE B. JONES, Evansville, Ind., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind., a Corporation of Indiana. Filed Nov. 16, 1921. Serial No. 515,717. Term of patent 14 years.



The ornamental design for a headlight as shown.

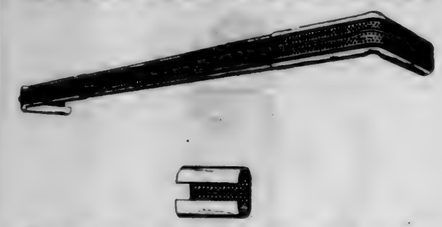
68,970. BOWKNOT WEDDING RING. FELIX P. KINSLEY, St. Louis, Mo. Filed Oct. 12, 1925. Serial No. 15,107. Term of patent 7 years.

The ornamental design for a bowknot wedding ring, as shown.

68,971. CURTAIN ROD OR SIMILAR ARTICLE. CHARLES W. KIRSCH, Sturgis, Mich. Filed July 9, 1925. Serial No. 14,034. Term of patent 14 years.

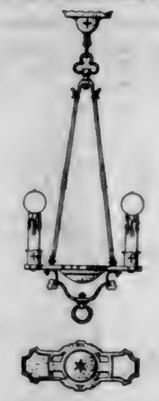
The ornamental design for a curtain rod or similar article as shown.

68,972. CURTAIN ROD OR SIMILAR ARTICLE. CHARLES W. KIRSCH, Sturgis, Mich. Filed July 9, 1925. Serial No. 14,037. Term of patent 14 years.



The ornamental design for a curtain rod or similar article as shown.

68,973. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,610. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

68,974. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,611. Term of patent 3½ years.

The ornamental design for a lighting fixture, as shown.

68,975. WEIGHING-MACHINE CASE. WILLY KRAATZ, Kreuznach, Germany. Filed Oct. 10, 1925. Serial No. 15,083. Term of patent 7 years.

The ornamental design for a weighing machine case, as shown.

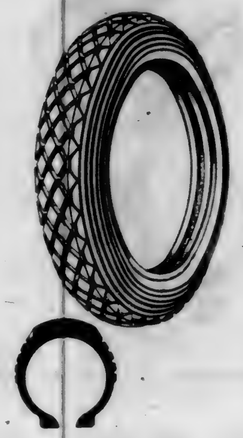
68,976. BIRDCAGE STAND. LEWICKI J. LEON, West Chicago, Ill. Filed Oct. 3, 1925. Serial No. 15,005. Term of patent 14 years.

The ornamental design for a birdcage stand, as shown.

68,977. WEDDING RING. NATHAN LIDZBARSKY, New York, N. Y. Filed Mar. 20, 1925. Serial No. 12,782. Term of patent 3½ years.

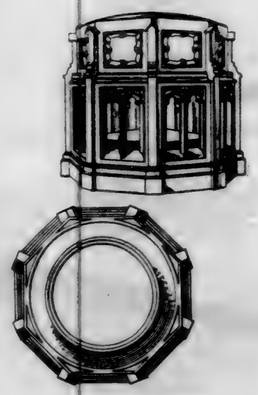
The ornamental design for a wedding ring, as shown.

68,978. TIRE. PAUL W LITCHFIELD, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 26, 1924. Serial No. 10,559. Term of patent 14 years.



The ornamental design for a tire, as shown.

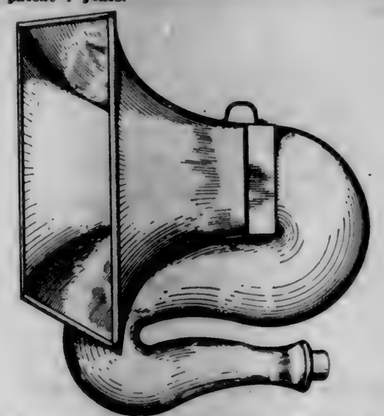
68,979. FLOWER HOLDER FOR CHURCHES. PAULINE CALDWELL LOCKE, Birmingham, Ala. Filed Sept. 10, 1925. Serial No. 14,749. Term of patent 7 years.



The ornamental design for a flower holder for churches, as shown.



68,980. RADIOHORN. MAX S. MATTHEWS, Los Angeles, Calif. Filed May 4, 1925. Serial No. 13,315. Term of patent 7 years.



The ornamental design for a radiohorn, as shown.

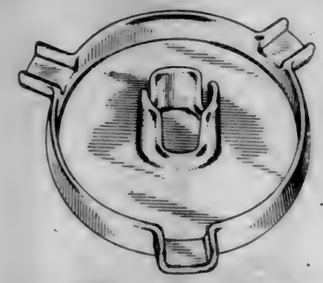
68,981. CONFECTIONERY-VENDING STAND. GEORGE B. MCINROY, Oakland, Calif. Filed July 6, 1925. Serial No. 14,002. Term of patent 7 years.

The ornamental design for a confectionery vending stand, substantially as shown.

68,982. FACE-POWDER BOX. FRANK J. M. MILNE, New York, N. Y., assignor to Cheramy, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 1, 1925. Serial No. 14,680. Term of patent 14 years.

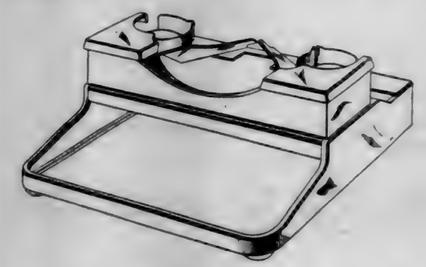
The ornamental design for face powder box as shown.

68,983. ASH TRAY. MAURICE MOSS, New York, N. Y. Filed Oct. 5, 1925. Serial No. 15,024. Term of patent 7 years.



The ornamental design for an ash tray as shown.

68,984. TYPEWRITER FRAME. LEWIS C. MYERS, Freeport, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 26, 1925. Serial No. 14,595. Term of patent 14 years.

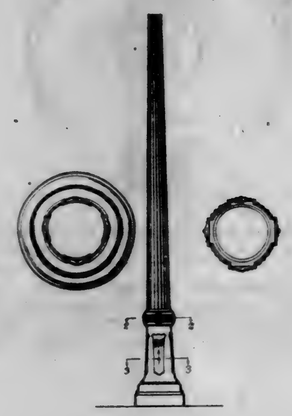


The ornamental design for a typewriter frame substantially as shown.

68,985. RADIOHORN. WLADIMIR J. POLYDOROFF, Chicago, Ill., assignor to Johnson-Williamson Laboratories, Inc., Chicago, Ill., a Corporation of Illinois. Filed Sept. 5, 1925. Serial No. 14,714. Term of patent 3½ years.

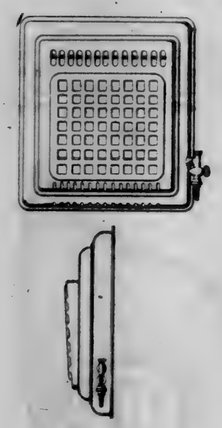
The ornamental design for a radiohorn, as shown.

68,986. LIGHTING STANDARD. HARRY O. RASTETTER, Canton, Ohio, assignor to The Union Metal Manufacturing Company, Canton, Ohio, a Corporation of Ohio. Filed July 9, 1924. Serial No. 10,097. Term of patent 14 years.



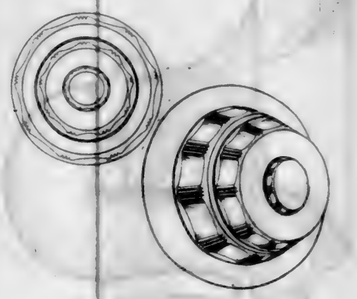
The ornamental design for a lighting standard, as shown.

68,987. HEATING STOVE. GEORGE FOSTER REENOR, Mercer Pa. Filed July 8, 1925. Serial No. 14,019. Term of patent 14 years.



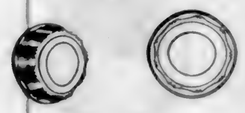
The ornamental design for a heating stove, as shown.

68,988. DIAL KNOB. JOSEPH R. RIEHLE, Bronx, N. Y., assignor to Otto R. Gischow, New York, N. Y. Filed Feb. 25, 1925. Serial No. No. 12,486. Term of patent 14 years.



The ornamental design for a dial knob as shown.

68,989. DIAL KNOB. JOSEPH R. RIEHLE, Bronx, N. Y., assignor to Otto R. Gischow, New York, N. Y. Filed May 9, 1925. Serial No. 13,386. Term of patent 14 years.



The ornamental design for a dial knob as shown.

68,990. BODY FRAME FOR CHANDELIERS. MORIS RODOLITZ, Brooklyn, N. Y. Filed Oct. 3, 1925. Serial No. 15,015. Term of patent 3½ years.

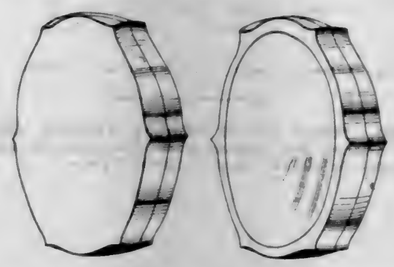
The ornamental design for a body frame for chandeliers, substantially as shown.



68,991. BOTTLE. CHAPMAN J. ROOT, Terre Haute, Ind. Filed Oct. 30, 1924. Serial No. 11,229. Term of patent 14 years.

The ornamental design for a bottle as shown.

68,992. VEHICLE HEADLAMP HOUSING. WALTER D'ARCY RYAN, Schenectady, N. Y. Filed Aug. 27, 1924. Serial No. 10,565. Term of patent 14 years.



The ornamental design for a vehicle headlamp housing as shown.

68,993. ROSARY WEDDING RING. ABRAHAM SAGER, Chicago, Ill. Filed Aug. 21, 1925. Serial No. 14,547. Term of patent 14 years.

The ornamental design for a rosary wedding ring, as shown.



68,994. PLATE OR SIMILAR ARTICLE. EMIL L. SCHNEPF, Trenton, N. J., assignor to Scammell China Company, Trenton, N. J. Filed Oct. 18, 1924. Serial No. 11,118. Term of patent 14 years.

The ornamental design for a plate or similar article as shown.

68,995. WEIGHING-MACHINE CASE. PAUL SEITZ, Kreuznach, Germany. Filed Oct. 10, 1925. Serial No. 15,082. Term of patent 7 years.

The ornamental design for a weighing machine case, as shown.

68,996. LAMP. ALBERT ROBERT SENG, Youngstown, Ohio. Filed Sept. 29, 1925. Serial No. 14,942. Term of patent 14 years.

The ornamental design for a lamp, as shown.

68,997. TUMBLER OR SIMILAR ARTICLE. DONALD M. SMITH, Jeannette, Pa., assignor to McKee Glass Company, Jeannette, Pa., a Corporation. Filed Oct. 17, 1925. Serial No. 15,158. Term of patent 14 years.

The ornamental design for a tumbler or similar article, as shown.

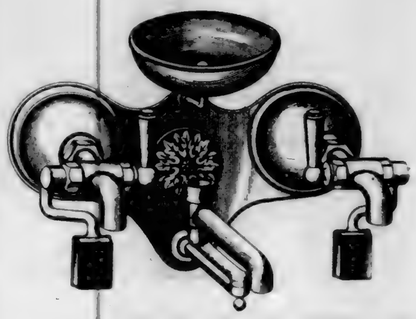
68,998. TUMBLER OR SIMILAR ARTICLE. DONALD M. SMITH, Jeannette, Pa., assignor to McKee Glass Company, Jeannette, Pa., a Corporation. Filed Oct. 17, 1925. Serial No. 15,159. Term of patent 14 years.

The ornamental design for a tumbler or similar article, as shown.

68,999. CHARM OR SIMILAR ARTICLE OF JEWELRY. JAMES W. SNODGRASS, Youngstown, Ohio. Filed Apr. 26, 1924. Serial No. 9,410. Term of patent 8½ years.

The ornamental design for a charm or similar article of jewelry as shown.

69,000. FAUCET SET. EDWARDS B. STUART, Chicago, Ill. Filed Aug. 21, 1925. Serial No. 14,543. Term of patent 14 years.



The ornamental design for a faucet set as shown.

69,001. FRUIT JAR OR SIMILAR ARTICLE. NEVA P. WILCOX, West Newton, Mass. Filed Sept. 12, 1924. Serial No. 10,760. Term of patent 7 years.

The ornamental design for a fruit jar or similar article as shown.



69,002. RING. ROBERT WINBERG, Providence, R. I. Filed July 8, 1925. Serial No. 14,026. Term of patent 3½ years.

The ornamental design for a ring, as shown.

69,003. ORNAMENT FOR RADIATOR CAPS. GEORGE J. ZEIS, Buffalo, N. Y. Filed Oct. 2, 1924. Serial No. 10,953. Term of of patent 3½ years.

The ornamental design for an ornament for radiator caps, substantially as shown.

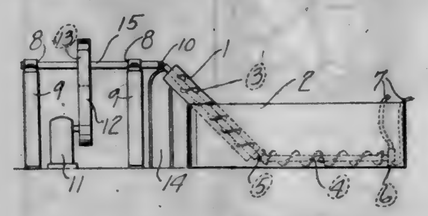
69,004. LOUD-SPEAKER CASING. LE ROY W. STAUNTON, Jackson Heights, N. Y., assignor, by mesne assignments, to Brandes Laboratories Inc., Newark, N. J., a Corporation of New Jersey. Filed Dec. 12, 1924. Serial No. 11,678. Term of patent 14 years.

The ornamental design for a loud speaker casing, as shown.

# PATENTS

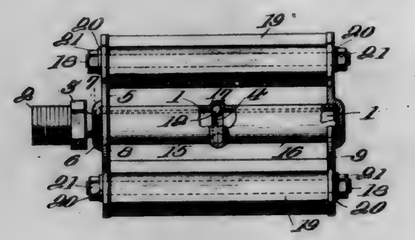
## GRANTED DECEMBER 8, 1925.

1,564,187. DIRT-TANK CLEANER. OTTO G. AHRENS, Karnes, Tex. Filed Sept. 20, 1922. Serial No. 589,382. 1 Claim. (Cl. 212—17.)



A device for removing dirt from tanks, comprising a pipe extended down into the tank; a worm in the pipe; a second worm universally connected to the pipe worm and disposed at the bottom of the tank; a bearing for the free end of the said second worm; wires attached to said bearing and extended outside the tank; and means for rotating the said pipe worm.

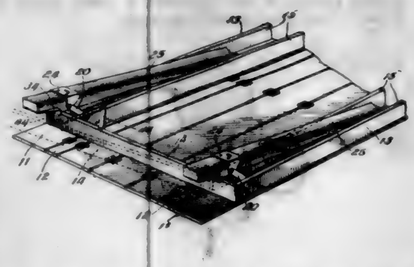
1,564,188. PEDAL FOR BICYCLES, MOTOR CYCLES, AND THE LIKE. THOMAS M. ALLEN, Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a Corporation of Connecticut. Filed Nov. 8, 1923. Serial No. 673,502. 4 Claims. (Cl. 208—70.)



1. A pedal comprising a pin having an annular groove between its ends, a transversely divided sleeve provided at the abutting ends of its members with annular grooves registering with the pin groove, balls held in the grooves, end plates engaging the outer ends of the sleeve members, and tread members holding the end plates and sleeve members together; the balls in turn holding the sleeve in place upon the axle.

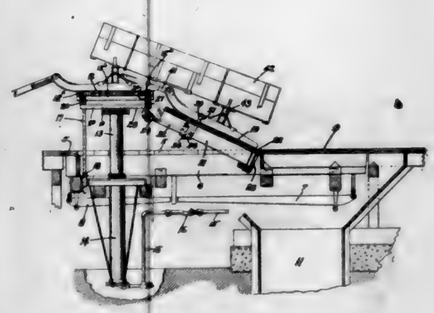
1,564,189. FOLDING TABLE. JOHN R. ANDERSON, Moline, Ill. Filed Jan. 20, 1922. Serial No. 530,516. 3 Claims. (Cl. 45—116.)

1. In a folding table, the combination of a top comprising a plurality of longitudinally extending, hingedly connected sections, and a longitudinally extending member secured to the under side of each of the outermost sections of said top, supporting legs hingedly connected to said outermost sections, means for securing said legs in supporting position, transversely extending members adapted to be engaged and clamped by said legs against the ends of said longitudinally extending members in



engagement with the intermediate sections of said top, and a link pivotally connecting each transversely extending member with one of said longitudinal members.

1,564,190. DUMPING PLATFORM. WALTER G. ANDERSON, Minneapolis, Minn., assignor to Strong-Scott Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Mar. 5, 1925. Serial No. 13,325. 11 Claims. (Cl. 214—49.)



1. A vehicle dumping platform comprising a supporting and raising means for the forward portion of the vehicle, means normally stationary and adapting the apparatus for dumping a wheeled vehicle, but adapted to be moved and form an inclined support for the rear runners of a sled vehicle.

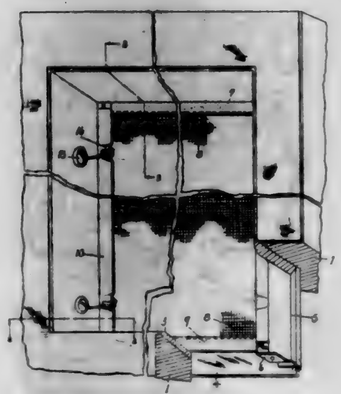
1,564,191. WINDOW SCREEN. ROGER L. AUSTIN and CARYL H. GALL, Lansing, Mich. Filed Oct. 15, 1923. Serial No. 668,614. 4 Claims. (Cl. 156—14.)

4. In a structure of the class described, the combination with a window casing, of chanel-shaped holder members secured to said casing, side pieces for said





screen disposed within said holder members, the top and bottom edges of said screen being without frame members thereby permitting the flexing of the screen to



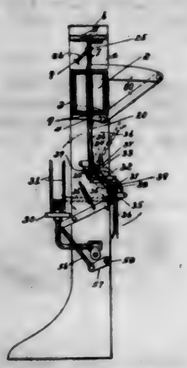
engage and disengage it from said holder members, and springs on said casing engaging said side pieces to yieldingly support said screen.

1,564,192. HYDROPHONE. WALTER H. BARBER, Stoneham, and RICHARD D. FAY, Nahant, Mass., assignors to Submarine Signal Company, Boston, Mass., a Corporation of Maine. Filed May 16, 1921. Serial No. 470,115. 5 Claims. (Cl. 177—386.)

1. A hydrophone comprising a tuned sound-receiving diaphragm of considerable thickness having a microphone button located thereon, said microphone being aperiodic.

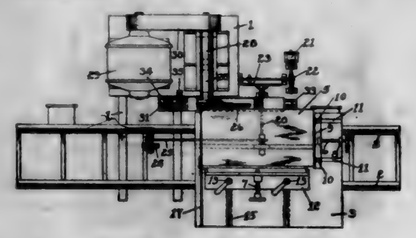
1,564,193. PRESSING MACHINE. WALTER J. BEATTIE, Cohoes, N. Y., assignor to The Beattie Manufacturing Company, Cohoes, N. Y., a Corporation of New York. Filed Nov. 28, 1923. Serial No. 677,569. 13 Claims. (Cl. 223—55.)

1. In a machine of the class described and in combination, a pair of upright pressing members, one movable toward and from the other; means for moving one of said pressing members toward and from the other; a separate blank-supporting guard movable to and from a



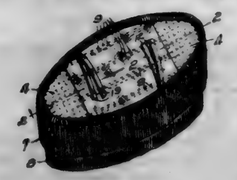
position beneath the opening between said members when separated; and means for moving said guard to and from blank-supporting position.

1,564,194. DRESSING WHEEL FOR EARTHY MATERIAL. WILLIAM G. BERGMAN, Point Place, Ohio. Filed May 26, 1924. Serial No. 715,777. 15 Claims. (Cl. 125—3.),



1. In a dressing machine, a rotatable member, means for rotating the rotatable member, the peripheral portion of the rotatable member being circular in form, a plurality of cutting wheel holders extending across the said peripheral portion, each holder having one end located nearer the center of the rotatable member than the other end, a plurality of cutting wheels supported by each of the holders, the holders being closely positioned relative to each other and the said cutting wheels covering the major part of the said peripheral portion.

1,564,195. DUST MOP. WILLIAM E. BONEWITZ, St. Louis, Mo. Filed Dec. 13, 1924. Serial No. 755,654. 2 Claims. (Cl. 15—229.)



1. A dust mop consisting of an elliptical main piece of fabric, fabric pocket pieces secured to the upper face of the main piece of fabric at the ends thereof to provide

opposed ring receiving pockets, tie strings secured to the upper face of the main piece of fabric, cotton cords secured to the said main piece of fabric and to the upper face of the fabric pocket pieces and the inner edge of each fabric pocket piece being folded under and secured in such position.

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1,564,196. SAFETY DEVICE FOR RAILROAD-CAR BRAKE BEAMS. LLOYD J. BROWN, Evanston, Ill., assignor to E. Payson Smith, Springfield, Ill. Filed Mar. 14, 1925. Serial No. 15,694. 8 Claims. (Cl. 85—5.)

1. A safety device of the character described comprising a flat body having an undercut recess from one side edge thereof, and a stop at one end of said body.

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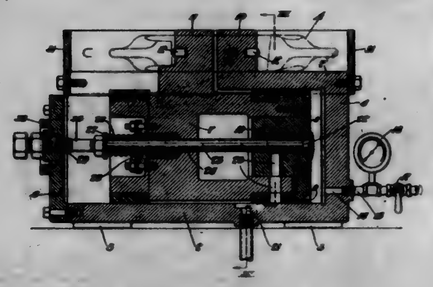
1,564,197. TESTING APPARATUS. WILLIAM MILTON BROWN, Johnstown, Pa. Filed Feb. 27, 1925. Serial No. 12,058. 8 Claims. (Cl. 265—14.)



1. A testing machine for testing the tensile strength of forgings, castings, and the like, comprising a cylinder member, a piston member mounted in said cylinder, jaw members on said cylinder and piston members adapted to engage the work piece to be tested, a combined inlet and outlet port for fluid under pressure for operating said piston, a fluid pressure supply pipe connecting with said inlet, a gage connected with said pipe and adapted to indicate a multiple of the pressure of the fluid in said pipe equivalent to the pressure developed by said piston, and a valve connected in said supply pipe for controlling the flow of fluid pressure to said cylinder.

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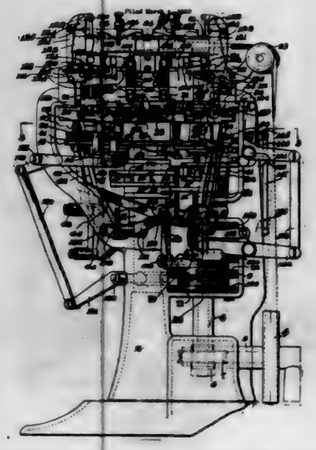
1,564,198. BLANK-TREATING MACHINE. IRA C. BUCKMINSTER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 8, 1920. Serial No. 364,174. 67 Claims. (Cl. 69—11.)

1. In a blank treating machine, a feed magazine, a rotary table, means to feed blanks one by one from the magazine to the rotary table, means to secure the blanks on the rotary table, means to measure the blanks and skive them while secured on the rotary table, and means to transfer the blanks from the rotary table to a stacking magazine.

15. A machine of the class described having, in combination, a support for a blank, a cutter for evening the blank adjustable toward and from the support, mecha-



nism for measuring the thickness of the blank, and means for adjusting the cutter in accordance with the determination of the measuring mechanism.

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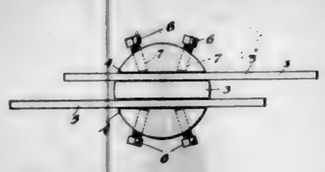
1,564,199. SILICA-BRICK PALLET CLEANER. MANCE CANTRELL, East Chicago, Ind. Filed Nov. 15, 1924. Serial No. 750,030. 2 Claims. (Cl. 15—93.)



1. In a silica brick pallet cleaner, a shank, a head carried by one end thereof and provided with a plurality of parallel grooves, elongated scraping blades received in the grooves and having their ends projecting a relatively great distance beyond the head and disposed in overlapping relation, and fastening elements passing through the head at opposite sides thereof and engaging the blades to hold the same in position in the grooves and permitting the longitudinal adjustment of the same, the shank being adapted to be received in a rotary tool holder whereby to rotate the blades over the surface of the pallet to scrape silica therefrom.

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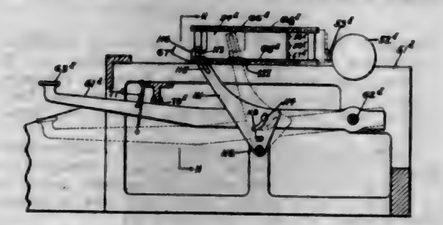
1,564,200. TYPEWRITING MACHINE. CHARLES U. CARPENTER, New York, N. Y., assignor to Dayton Portable Typewriter Company, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 1, 1921. Serial No. 519,263. 2 Claims. (Cl. 197—25.)

2. In a typewriting machine, the combination with a frame, a platen mounted thereon, a horizontally disposed type element adapted for longitudinal movement towards and away from the platen, a key lever pivoted to the frame to swing about a horizontal axis, a lever having its lower end pivoted to the frame and normally disposed at an oblique angle with respect to the horizontal, the upper end of the lever being directly operatively connected with the rear end of the type element, a laterally extending pin carried by the key lever



intermediate its ends, which slidably and pivotally engage the lever at a point adjacent the pivotal connection between the lever and frame.

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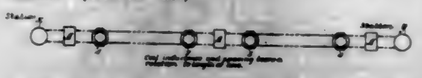
1,564,201. LOADING SYSTEM. JOHN R. CARSON, Harmon, ALVA B. CLARK, Brooklyn, N. Y., and JOHN MILLS, Wyoming, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed June 4, 1921. Serial No. 474,878. 10 Claims. (Cl. 178—45.)



1. The method of improving the signal transmitting properties of a periodically loaded line, which consists in reducing the inductance of the line per unit of length throughout the line as the length of the line is increased.

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1,564,202. METHOD OF PRODUCING WATER-INSOLUBLE MULTICOLORED SCREENS. JENS HERMAN CHRISTENSEN, Holte, Denmark. Filed May 20, 1924. Serial No. 714,553. 1 Claim. (Cl. 95—81.5.)

Method of producing multicolored screens, consisting in dissolving basic dyes and mordants for the said dyes in a suitable solvent, emulsifying the solutions in separate portions of a substantially neutral viscous emulsifying medium, removing the major part of the emulsifying medium through diluting with a suitable solvent for the same and decanting, causing a mixture of the differently colored particles to adhere to a neutral carrier, removing the surplus of the particles, and drying the said carrier with the adhering particles.

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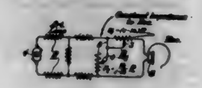
1,564,203. RECEIVER SHUNT. ALVA B. CLARK, Brooklyn, N. Y., and GEORGE CRISSON, Hackensack, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 8, 1923. Serial No. 661,655. 4 Claims. (Cl. 179—175.)



1. In a transmission measuring system, the combination with a line circuit, the impedance of which is substantially pure resistance of a source of alternating current connected therewith, a telephone receiver and a variable receiver shunt connected between the said artificial line and said receiver adapted to vary the current in the said receiver, and having constant impedance when viewed from the said receiver.

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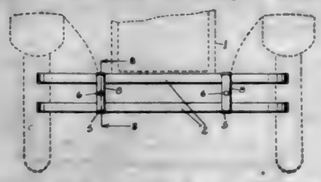
1,564,204. BUMPER. FRANK J. CLARK, Battle Creek, Mich. Filed Apr. 18, 1925. Serial No. 22,707. 3 Claims. (Cl. 293—55.)

3. In a bumper, the combination of supporting brackets adapted for attachment to a motor vehicle, a pair of bumper bars of wood, spacing blocks disposed between said bars, clamping means comprising a resilient clamp-



ing member engaging both the bars, and clamping bolts arranged through said clamping members, spacing blocks and brackets.

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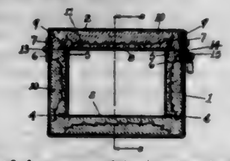
1,564,205. FIREPROOF BOX. FRANK J. CLARK, Battle Creek, Mich. Filed July 2, 1925. Serial No. 41,107. 3 Claims. (Cl. 109—2.)



1. A fireproof box comprising outer body and cover shells of metal, a metal container having projecting flanges at the bottom thereof disposed within said body shell with its walls in spaced relation to the corresponding walls of said body shell, the upper edges of the container walls being in the plane of the upper edges of the body shell, a cover plate having upwardly projecting flanges at its edges adapted to overlap the edges of the container, and fillers of insulating material molded within said body shell around said container and within said cover shell to embrace the flanges of said cover plate and so that the outer side of the cover plate is flush with the edges of the cover, said filler having foraminate reinforcing sheets imbedded therein at the bottom, sides and ends of the container and within said cover shell, such reinforcing material being out of contact with other metal parts.

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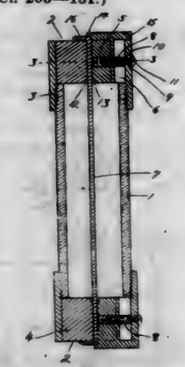
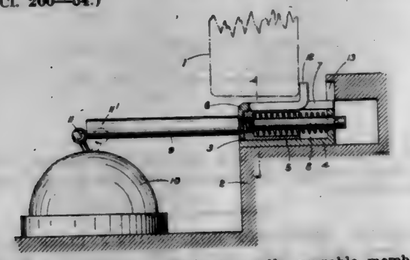
1,564,206. RENEWABLE FUSE. ALBERT E. CLARKE, Detroit, Mich. Filed July 2, 1923. Serial No. 649,130. 10 Claims. (Cl. 200—131.)



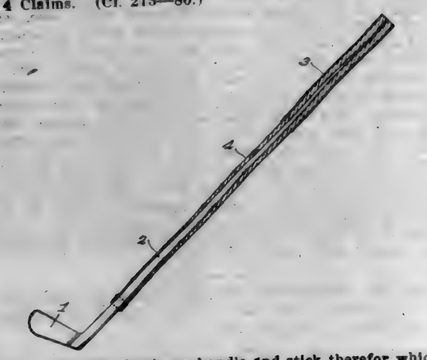
1. In a renewable fuse, the combination with a barrel, of a fuse strip extending longitudinally therewithin, tubes secured to said barrel and projecting beyond the opposite ends thereof, a clamping member permanently secured in the projecting portion of each tube and a cooperating clamping member permanently secured in the projecting portion of each tube and adjustable toward and away from said first-mentioned clamping member to clamp said fuse strip.

1,564,207. CONTROLLING DEVICE FOR ELECTRIC CIRCUITS. JOHN WILLS CLOUD, London, England. Filed Apr. 15, 1923. Serial No. 657,554. 4 Claims. (Cl. 200—54.)



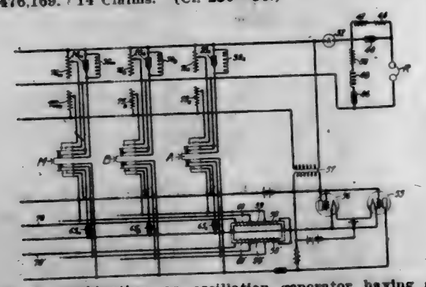
1. The combination with a manually operable member for operating an electric switch, of a movable barrier, a rod movable to engage and shift said member to "off" position, a spring tending to move said rod and thereby said member to "off" position, and an element associated with said rod and operated by the movement of said barrier to its closed position for moving said rod out of engagement with said member.

1,564,208. GOLF CLUB. FRANK P. CONNOLLY, Chicago, Ill. Filed Apr. 24, 1925. Serial No. 25,476. 4 Claims. (Cl. 273—80.)



1. A golf club having a handle and stick therefor which increases gradually in weight toward the head of the club.

1,564,209. ELECTRICAL CIRCUITS FOR THE PRODUCTION OF MUSICAL TONES. IRVING B. CRANDALL, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 9, 1921. Serial No. 476,169. 14 Claims. (Cl. 250—36.)

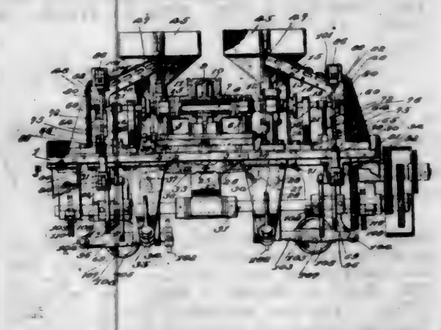


7. In combination, an oscillation generator having a tuned circuit, a plurality of keys for varying a reactance element in said tuned circuit, for changing the oscillation frequency, and means including an adjustable resistance controlled by said keys for varying the amplitude of said oscillations.

1,564,210. MANUFACTURE OF 2-AMINO ANTHRAQUINONE. ORIN D. CUNNINGHAM, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed June 7, 1921. Serial No. 475,817. 5 Claims. (Cl. 260—60.)

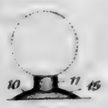
1. The method for the manufacture of 2-aminoanthraquinone, which comprises subjecting anthraquinone-2-sulphonic acid to the action of ammonia water in the presence of a soluble barium salt and of ammonium chloride.

1,564,211. NIPPLE-TAPPING MACHINE. CHARLES W. DAVIS, Torrington, Conn., assignor to Torrington Company, Torrington, Conn., a Corporation of Connecticut. Filed July 25, 1921. Serial No. 487,285. 10 Claims. (Cl. 10—130.)



9. A nipple tapping machine including in combination, a horizontally rotating tap, a nipple supporting and clamping member, means for adjusting said clamping member vertically, a co-operating clamping member for rigidly gripping and holding the same while being tapped, yielding means for raising said upper clamping member, a yieldingly operated lever for forcing said upper clamping member downwardly into engagement with the nipple, said yielding means for operating the lever including a rotating cam, a lever operated thereby, a link connecting the cam operated lever with a lever for actuating the clamping member, said link comprising two members with a spring interposed between said members and the means for varying the tension on said spring.

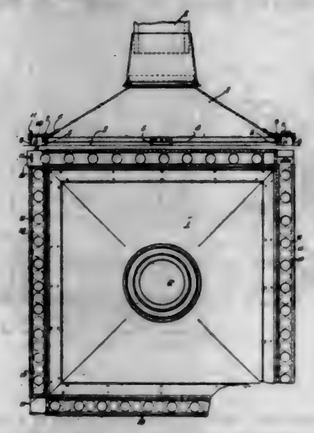
1,564,212. GOLF TEE. WILLIAM MORE DECKER, Buffalo, N. Y. Filed Nov. 24, 1924. Serial No. 751,734. 4 Claims. (Cl. 273—33.)



1. A flexible golf tee, comprising a reversible dome-shaped base and a ball-supporting post mounted on the base and projecting above its elevated top in one position of the base and extending below said top in the reversed position of the base.



1,564,213. APPARATUS FOR HEATING STREET PAVEMENTS. CHARLES T. DENNEN, Chicago, Ill. Filed Apr. 10, 1924. Serial No. 705,444. 4 Claims. (Cl. 126—271.1.)



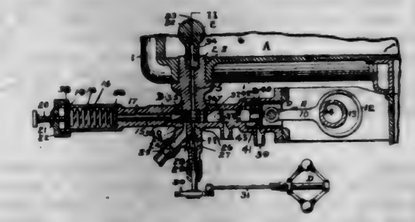
1. In a device of the character described, a hood for directing a fluid against a surface, a substantially vertical curtain secured to said hood and spaced from the edge thereof and adapted to contact with said surface, and means disposed between the edge of said hood and said curtain to regulate the escape of said fluid.

1,564,214. PRODUCTION OF M-AMINO-P-CRESOL-METHYL-ETHER. CLARENCE G. DERICK, THOMAS H. LEAMING, and WALTER M. RALPH, Buffalo, N. Y., assignors to National Aniline & Chemical Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 9, 1920. Serial No. 364,428. 13 Claims. (Cl. 260—130.5.)

8. The method of producing m-amino-p-cresol-methyl-ether, which comprises subjecting m-nitro-p-cresol to methylation in the presence of an excess of caustic soda, and subjecting the resulting mixture, while still hot, to reduction by adding thereto a sodium sulfide as reducing agent, and finally recovering the m-amino-p-cresol-methyl-ether from the reduction mixture.

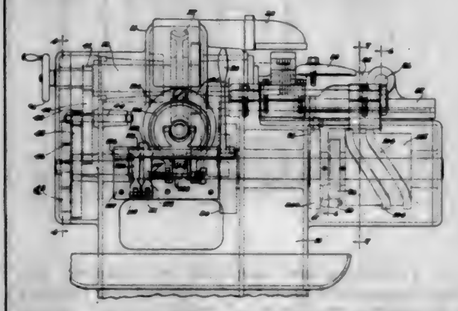
13. The method of producing m-amino-p-cresol methyl ether, which comprises subjecting m-nitro-p-cresol methyl ether to reduction with an alkali metal sulfide in the presence of water.

1,564,215. INJECTOR. GEORGE F. DILLIG, Pittsburgh, Pa. Filed May 9, 1918, Serial No. 233,445. Renewed Apr. 24, 1924. 3 Claims. (Cl. 128—140.)



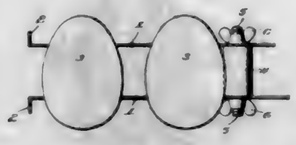
1. A fluid pump comprising a differential cylinder, a differential piston working in said cylinder, an inlet port for the larger cylinder bore adapted to be uncovered by the outward stroke of the piston, a discharge port for the smaller cylinder bore, and a passage in said piston adapted to connect said discharge port with the larger bore at substantially the completion of the inner stroke of the piston.

1,564,216. AUTOMATIC FORMING LATHE. JOHN A. DOANE, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed July 1, 1922. Serial No. 572,140. 20 Claims. (Cl. 82—2.)



1. A lathe comprising in combination, a base, a work supporting and rotating spindle thereon, a plurality of tools adapted to engage and operate on work mounted on said spindle, cam means mounted on a main cam shaft to control the movements of said tools, a starting lever for the lathe adapted to engage a driving clutch, automatically operating mechanism to stop operation of said lathe when each of the tools has completed its operation, said mechanism comprising a spring pressed plunger adapted to be released by means on the main cam shaft and adapted to disengage the driving clutch and engage a brake member.

1,564,217. EGG TRAY. HARRISON G. DOTTERER, Kokomo, Ind. Filed Mar. 30, 1925. Serial No. 19,427. 2 Claims. (Cl. 119—48.)

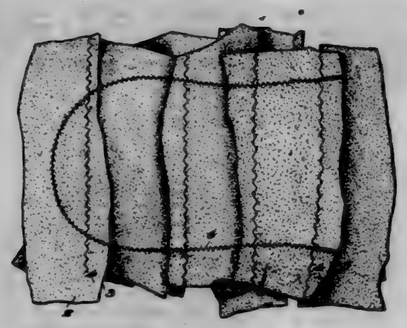


1. An egg tray comprising a pair of spaced plates provided with registering holes adapted for reception of the ends of the eggs adapted to be clamped between said plates, said plates being provided with angularly disposed marginal flanges extending outwardly in opposite directions, and spacing means between the plates including means for connecting the plates together in assembled relation.

1,564,218. METHOD OF CONTROLLING CHEMICAL REACTIONS. HERBERT H. DOW, Midland, Mich., assignor to The Dow Chemical Company. Filed Dec. 8, 1920. Serial No. 429,081. 6 Claims. (Cl. 260—48.)

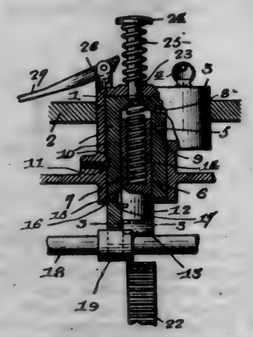
1. In a method of making indoxyl and its derivatives, the steps which consist in intermixing a phenyl-glycine body with a caustic alkali, melt, and including in the mixture a neutral hydrocarbon oil adapted to be vaporised at a temperature between that at which such caustic alkali is molten and that at which decomposition of such phenyl-glycine body sets in.

1,564,219. POLISHING MITT. CHARLES C. DRUDING, Philadelphia, Pa., assignor to Druding Brothers Company, Philadelphia, Pa. Filed June 16, 1925. Serial No. 37,546. 2 Claims. (Cl. 15—227.)



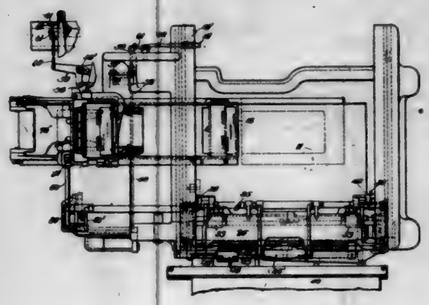
1. A polishing mitt comprising two composite side walls arranged flat against each other and each including a plurality of small strips of flexible polishing material secured together at their adjacent edges in overlapped relation to provide polishing flaps, said side walls being united by a marginal row of stitching extending along the side edges and across the outer end of the polishing mitt in spaced relation with the marginal edges of the said walls to provide projecting marginal polishing flaps.

1,564,220. LOCKING DEVICE FOR MOTOR VEHICLES. ALBERT DUMAS, Sorel, Quebec, Canada, assignor to Dumas Transmission Lock & Machinery Company Limited, St. Joseph de Sorel, Quebec, Canada. Filed Mar. 14, 1924. Serial No. 699,320. 1 Claim. (Cl. 70—90.)



In combination with a pair of shifter rods and an automobile gear disposed at one side of the rods, a locking device disposed at the other side of the rods and comprising a slidable member adapted for locking engagement with said rods, a toothed member carried by said slidable member and adapted for engagement with said gear, said slidable and toothed members being substantially co-extensive towards the rods, and means for locking said slidable member in adjusted positions, whereby the slidable member may be engaged with the rods independently of the engagement between the toothed member and the gear.

1,564,221. SAFETY DEVICE FOR PRINTING AND ADDRESSING MACHINES. JOSEPH S. DUNCAN, Chicago, Ill., assignor to Addressograph Company, Chicago, Ill., a Corporation of Illinois. Filed May 24, 1920. Serial No. 383,616. 41 Claims. (Cl. 101—56.)



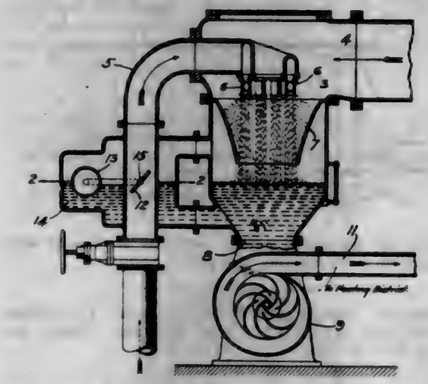
1. In a printing machine, the combination of a printing form, an impression roller, one of said elements being movable relative to the other to obtain a printing impression, said roller having a non-impression position and also an impression position, means for feeding a sheet to be printed into printing position, and safety means for preventing the roller from moving from its non-impression position into its impression position, if the feeding means does not feed a sheet to printing position.

1,564,222. WRENCH. CHARLES L. DUNLAP, Medina, Ohio. Filed Mar. 24, 1924. Serial No. 701,538. 1 Claim. (Cl. 81—185.)

In combination with a wrench comprising a shank having an integral jaw at one end, a U-shaped supplemental jaw member adapted to fit into the aforesaid integral jaw, means to retain said jaws in the same plane, and a spring plate carried by the intermediate portion of the supplemental jaw and tensioned to spring inwardly of the supplemental jaw toward the integral jaw for frictionally engaging t side of the integral jaw of the wrench to hold the supplemetal jaw in place.

1,564,223. CONDENSER. RAYMOND N. EHRHART, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 8, 1915. Serial No. 6,835. 7 Claims. (Cl. 261—70.)

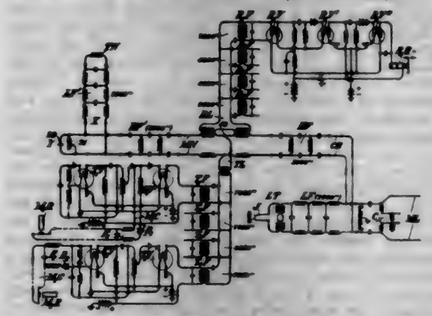
1. In combination with a jet condenser, a hot well having a lateral extension, a conduit for delivering cooling water to the condenser and passing through said lateral extension, a valve in said conduit within the extension, and a float responsive to variations in level of the water in the hot well for controlling said valve, said



float being connected to the valve wholly within the lateral extension of the hot well so that leakage around the connection will pass directly into the hot well.

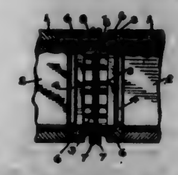


1,564,224. MODULATING APPARATUS FOR TELEGRAPH SIGNALS. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 29, 1919. Serial No. 314,075. 20 Claims. (Cl. 178—50.)



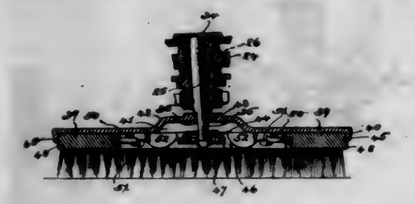
6. In high frequency multiplex telegraphy in which high frequency waves are varied in accordance with low frequency signaling impulses, the method of reducing interference between neighboring high frequency channels which comprises reducing the abruptness of the signal variations in the modulated high frequency waves.

1,564,225. GASKET. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 23, 1921. Serial No. 517,199. 1 Claim. (Cl. 288—1.)



A coupler gasket for engagement with a counterpart gasket having a thin flexible arcuate portion with a free edge normally facing radially outward, the flexible portion curling rearwardly upon engagement with a counterpart gasket and the free edge moving forward to meet the free edge of the counterpart gasket at the instant of separation of the gaskets, whereby moisture collection between the gaskets is expelled upon separation of the gaskets.

1,564,226. BRUSH HEAD FOR ROTARY SCRUBBING MACHINES. WALTER SCOTT FINNELL, Hannibal, Mo. Original application filed Oct. 28, 1917, Serial No. 198,088. Divided and this application filed Apr. 20, 1922. Serial No. 555,714. 4 Claims. (Cl. 15—180.)



2. In a brush-head for rotary scrubbing machines the combination with a plate having an inwardly inclined depending flange at its outer edge, of a brush having a back with an inclined groove at one edge to receive the inclined flange of the plate and a cam pivotally carried at the under side of the plate for engaging the brush-back and pressing the grooved edge thereof against the inclined flange of the plate.

1,564,227. SHOCK ABSORBER. ERNST FLENTJE, Cambridge, Mass. Filed Mar. 26, 1924. Serial No. 702,145. 8 Claims. (Cl. 188—89.)



1. In a shock absorber, the combination with a cylindrical casing, of a shaft situated axially thereof and having rigid therewith a radial vane or partition, a stationary radial partition separate from the casing and extending from said shaft to the peripheral wall of the casing, said stationary partition having on each side curved flanges engaging the peripheral wall and also having a by-pass port therethrough, and a screw-threaded member extending through the wall of the casing and into the radial partition and operating both to assist in holding the partition in place and to regulate the effective area of the by-pass port.

1,564,228. TESTING CIRCUITS. HARVEY FLETCHER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 28, 1921. Serial No. 525,904. 7 Claims. (Cl. 179—175.)

2. A testing circuit comprising an instrument to be tested, a standard instrument, a distortionless network comprising a series resistance, a shunt resistance and

a potentiometer resistance, means for connecting said network alternately with said instruments, and means for comparing the operation of the instruments when so connected.

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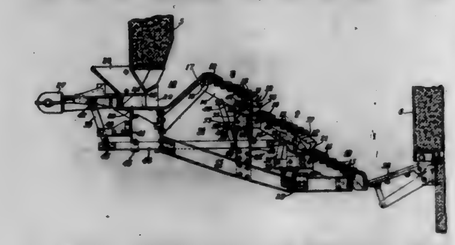
1,564,229. MECHANICAL STOKER. ROBERT A. FORSMAN, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 22, 1920. Serial No. 390,855. 14 Claims. (Cl. 110—44.)



1. In a furnace stoker, a longitudinal overfeed grate unit having a plurality of fixed inclined sections spaced to provide a recess between adjacent sections, means for supplying fuel to the overfeed grate, and a fuel moving member pivotally mounted in said recess between adjacent sections and adapted to be oscillated toward the front and rear of the furnace.

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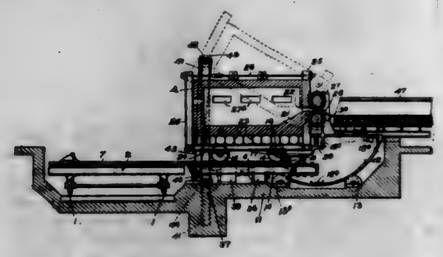
1,564,230. APPARATUS FOR MAKING SHEET GLASS. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Jan. 23, 1922. Serial No. 531,056. 5 Claims. (Cl. 49—3.)



5. Apparatus for forming sheet glass, comprising a tank supported on wheels and carrying a glass bath, and having a passage through its wall, a tilting carrier adapted to receive a tank and provided with a pair of water cooled driven rolls in opposition to said passage, and a leer for receiving the sheet formed between the rolls, the carrier having its axis of tilting coincident with the axis of rotation of the lower roll.

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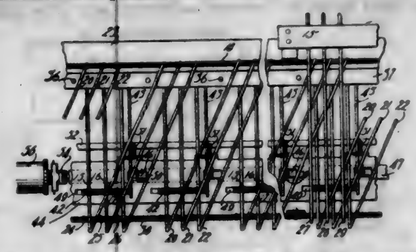
1,564,231. TELEPHONE SWITCH. HAROLD W. GOFF, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 663,464. 8 Claims. Cl. 179—27.5.)

1. In a switching device, a multiple contact arrangement comprising a continuous conductor bent into a form approximating a helix, means for anchoring said conductor at a plurality of similarly situated points, and



means for selectively moving particular sections of said conductor for contacting purposes.

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1,564,232. SPORTING SHOE. DANIEL J. GOLDEN, Brockton, Mass. Filed July 22, 1925. Serial No. 45,153. 3 Claims. (Cl. 36—31.)

1. A sporting shoe comprising an insole having the usual form at its fore portion whereby it is adapted to be engaged by stitches uniting the fore portion of an upper thereto, and a reduced rear portion whose margin is formed to lie within the stitches uniting the rear portion of the upper to the rear portion of the usual insole, an upper lasted on the fore portion and on the reduced rear portion of the insole, a two-part outsole composed of a relatively thick and stiff tap member and a relatively thin and flexible rear member constituting a shank and heel piece, said members overlapping each other and their overlapping portions united to each other, stitches uniting the fore portion of the upper to the tap and the fore portion of the insole, and stitches formed outside the margin of the reduced rear poriton of the insole and uniting the rear portion of the upper to the relatively flexible rear member of the outsole, the insole permitting the usual lasting of the upper and forming a continuous bridge across the joint formed by the overlapping portions of the outsole members, the reduced rear portion of the insole being free from attaching stitches so that the flexibility of the rear member of the outsole is not impaired by the insole.

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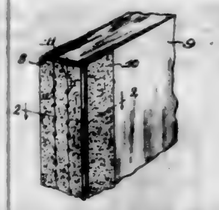
1,564,233. BOOKBINDER. CHARLES GOLDSTEIN, Chicago, Ill. Filed May 1, 1924. Serial No. 710,355. 3 Claims. (Cl. 281—23.)



3. A binder comprising a separable cover and filler, a channel along the back section of said cover, a flexible strip applied along the back edge of said filler, a relatively stiff strip flexibly connected with said flexible strip and means for locking said parts in connected position.



1,564,234. TRANSFER INK. EMILE GORCY, Montreal, Quebec, Canada. Filed Nov. 10, 1924. Serial No. 749,083. 2 Claims. (Cl. 134—34.)

2. An ink adapted to be transferred under heat, containing 49 parts of mutton fat, 14 parts of black soap and coloring matter.

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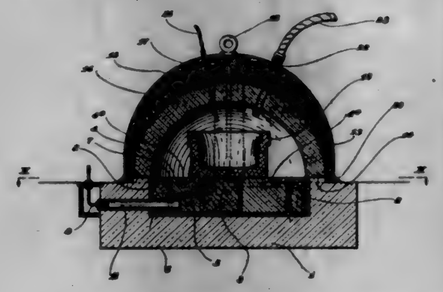
1,564,235. PROCESS AND APPARATUS FOR MELTING AND FINING GLASS. ALFRED L. HARRINGTON, Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Dec. 5, 1923. Serial No. 678,598. 10 Claims. (Cl. 204—64.)



1. A process of producing glass which consists in preliminarily fusing a glass batch in a pot, transferring the pot with the molten glass to an electric furnace and finishing the operation including the fining in such furnace.

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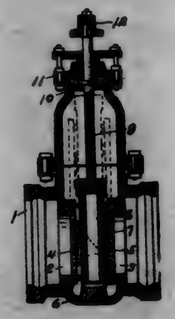
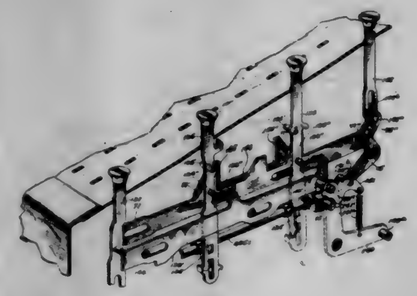
1,564,236. GATE-VALVE MECHANISM. GODFREY H. HARRIS, Kansas City, Mo. Filed Dec. 10, 1923. Serial No. 679,743. 2 Claims. (Cl. 251—71.)



1. In a valve mechanism, a casing having a port, a valve for closing said port, a sleeve having an interiorly threaded open end and a closed opposite end, a member having means for engaging and lifting said valve and provided with an oblique portion at its lower end, a second member having an oblique portion engaging the oblique portion of the other member and movable with said valve and adapted to engage the casing to limit its closing movement and having means for engaging and forcing said valve to the closed position when moved in one direction by the first named member, the latter being secured to and movable with said sleeve, and a stem extending through the wall of the casing and rotatable therein and having a threaded portion fitted in the open end of said sleeve.

1,564,237. ACCOUNTING MACHINE. AMOS H. HAWLEY, Norwood, Ohio, assignor, by mesne assignments, to Remington Arms Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Nov. 21, 1918. Serial No. 263,625. 11 Claims. (Cl. 235—60.)



1. In an accounting machine, the combination of accounting mechanism, a main actuator therefor, manipulative keys for predetermining the operation of the accounting mechanism, lock means to hold said keys in operated positions, a release device for said lock means, a total key to control totaling action of the accounting mechanism, and means to interfere with the release operation of the release device and controlled by the total key.

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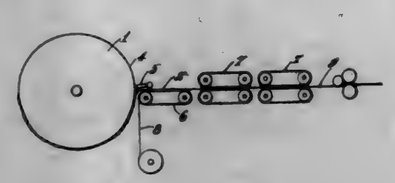
1,564,238. ASBESTOS INSULATING MEDIUM. JOHN ALLEN HEANY, New Haven, Conn., assignor, by mesne assignments, to Rockbestos Products Corporation, a Corporation of Massachusetts. Filed Jan. 30, 1920. Serial No. 355,117. Renewed Apr. 28, 1925. 7 Claims. (Cl. 117—35.)



1. The process of treating materials in preparation for the manufacture of yarn which consists in combining the cleaning of crude asbestos, and the incorporating therewith of cotton, by picking apart the asbestos material and the cotton fibers and mixing them in a flocculent condition.

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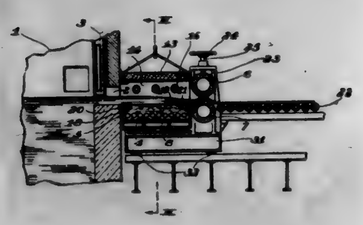
1,564,239. PRODUCTION AND ISOLATION OF ALKALI SALTS OF AROMATIC SULPHONIC ACIDS. HOMER W. HILLYER, Farmington, Conn., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 8, 1920. Serial No. 349,239. 7 Claims. (Cl. 260—159.)

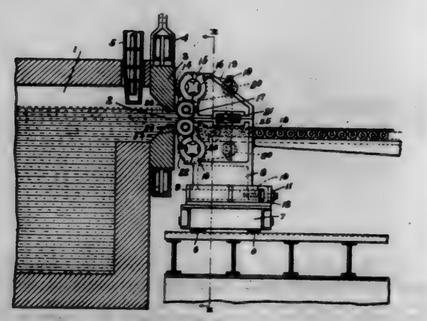
2. The method of producing sodium salts of aromatic sulphonic acids, which comprises treating a solution containing a calcium salt of the sulphonic acid with sodium chloride, whereby the sodium salt of the sulphonic acid is formed by double decomposition and is precipitated out of the solution.

1,564,240. PROCESS AND APPARATUS FOR MAKING SHEET GLASS. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company, a Corporation of New Jersey. Filed Feb. 5, 1925. Serial No. 7,037. 18 Claims. (Cl. 49—33.)



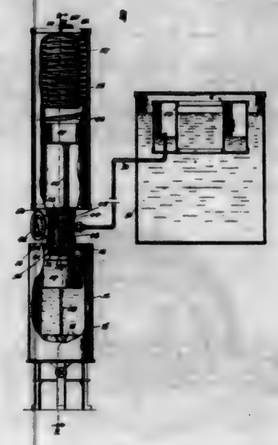
9. The combination with a glass tank having an outlet slot, of a molten bath of metal in position to receive the glass from the slot of a width greater than said slot, a pair of sizing rolls, at least one of which is driven, located at the forward end of said metal bath, a cover over said bath, means for applying heat intermediate said cover and the bath, and temperature regulating means for said bath.

1,564,241. APPARATUS FOR MAKING SHEET GLASS. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company, a Corporation of New Jersey. Filed Feb. 5, 1925. Serial No. 7,039. 9 Claims. (Cl. 49—33.)



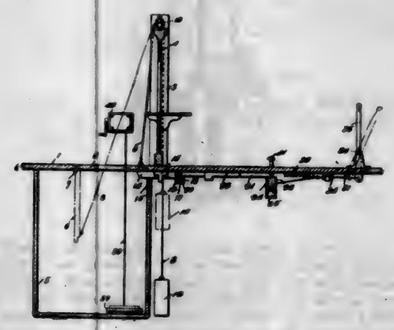
6. The combination with a glass tank having an outlet slot, of a pair of driven forming rolls in opposition to said slot with the pass thereof under the head pressure of the glass in the tank, a pair of supporting rolls engaging said forming rolls along the sides thereof opposite said pass, adjustable swinging arms in which the forming rolls are journalled, pivoted to swing around the axes of rotation of the forming rolls, so as to vary the width of said pass, means for adjusting said arms and maintaining them in adjusted position, means for driving the supporting rolls, and driving connections between the supporting rolls and forming rolls.

1,564,242. APPARATUS FOR REFRIGERATION. BRADFORD B. HOLMES, New York, N. Y. Filed Feb. 18, 1922. Serial No. 536,170. 7 Claims. (Cl. 62—5.)



1. In a refrigerating machine, the combination of a boiler; a condenser; a volatile liquid in said boiler and condenser; an evaporator also containing such volatile liquid; an ejector interposed between the boiler and condenser and connected with said evaporator to draw vapor from the evaporator and discharge it into the condenser; means for periodically stopping the action of the jet of the ejector; and means for supplying condensate to the discharge end of the ejector during the periods of jet inaction to permit condensate to feed back to the evaporator.

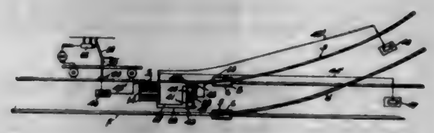
1,564,243. BURGLAR TRAP. GUS IVORY, Jonesboro, Ark. Filed Nov. 1, 1924. Serial No. 747,390. 2 Claims. (Cl. 43—59.)



1. In a device of the class described, a floor, a trap door hinged to the floor, spaced slidably supported latches engaged with one edge of the trap door to hold it closed, levers fulcrumed intermediate their ends, the latches being connected with the outer ends of the levers, a slidably mounted operating member connected to the inner ends of the levers, yieldable means for actuating the operating member to disengage the latches from the trap door, mechanism for actuating the operating member from a remote point, a retainer engaged with the operating member, and means for operating the retainer from a remote point.

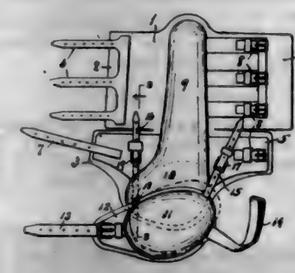


1,564,244. RAILWAY SWITCH. HARRY G. JOHNSTON, Plains, Mont. Filed Oct. 26, 1921. Serial No. 510,541. 4 Claims. (Cl. 246—232.)



1. In combination with main track sections and curved track sections intersecting with the main track sections, rotary switch blocks disposed at the said intersection of the curved tracks with the main track, each rotary switch block comprising a substantially quarter cylindrical member having opposite flat surfaces, a straight groove formed in one surface whereby the sections of the main track may be longitudinally alined, a curved groove formed in the other surface of the block whereby one of the straight sections of the main line may be alined through the groove with the curved section of the track, each switch block being provided with a tangentially extending arm, operating rods connected to the arm, a crank shaft connected to the operating rod, and means to impart a movement to the crank shaft whereby both of the said blocks may be simultaneously rotated when the shaft is actuated.

1,564,245. HORSE BOOT. JAMES D. KELLER, of Detroit, Mich. Filed Jan. 12, 1925, Serial No. 1,862. Renewed Oct. 17, 1925. 3 Claims. (Cl. 54—82.)

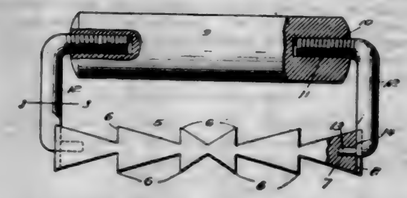


1. A horse boot comprising an upper section having a pad adapted to cover the ankle joint and flexible means whereby this section may be attached to the leg, a lower section embodying a pad adapted to cover the pastern joint and the lower end of the upper pad, and a flexible connection between the two sections comprising a strap having a short pivot section adjacent the front of the pads and a longer strap supporting the rear end of the lower section and permitting it to swing upward.

1,564,246. PRESSURE GAUGE. WILLIAM HARDY KELLY, Charlotte, N. C. Filed Mar. 27, 1925. Serial No. 18,815. 4 Claims. (Cl. 73—31.)

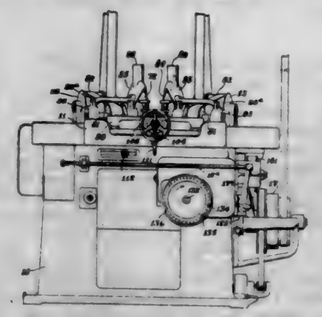
1. The combination of a pressure gauge; a connection for said gauge having a constriction throttling the flow of fluid under pressure to and from the gauge; and a movable clearing stem within said constriction and arranged to be moved by the flow of fluid therethrough.

1,564,247. SCRAPING TOOL. JAMES R. KILMARTIN, Washington, D. C., assignor of one-half to Patrick Harvey, Washington, D. C. Filed Dec. 27, 1924. Serial No. 758,413. 2 Claims. (Cl. 15—236.)



1. A scraping tool of the class described comprising a block-like body provided with a plurality of transversely extending longitudinally spaced cutting edges on its top and bottom, a handle, and connecting members detachably connected with the opposite ends of the handle and the opposite ends of said body for permitting said body to be reversed to dispose the cutting edges of either the top or bottom for use.

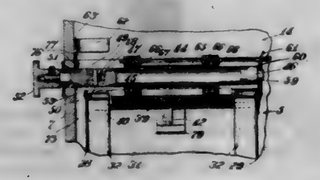
1,564,248. GEAR-CUTTER GRINDING MACHINE. CARROLL KNOWLES, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed June 20, 1921. Serial No. 479,029. 45 Claims. (Cl. 51—52.)



1. A machine tool comprising in combination, a base, a work holding table movable thereon along, a lead screw operatively connected to said table whereby rotation thereof is adapted to move said table, means to periodi-

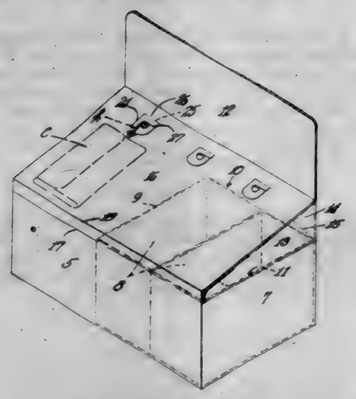
cally rotate said lead screw to successively move said table a plurality of predetermined distances in a straight line, means to move said tool into and out of work engagement while said table is stationary, and means to vary the amount of movement of said table with each periodic movement.

1,564,249. PAPER AND ENVELOPE DISPENSING APPARATUS. FRANK R. LACY, Chicago, Ill., assignor to Emil H. Seeman, Chicago, Ill. Filed Aug. 13, 1921. Serial No. 491,976. 5 Claims. (Cl. 211—8.)



1. In a dispensing device, a housing, a container in said housing having parallel inclined end walls, a vertically operable tray in said container, means for raising the tray, said tray carrying a plurality of superposed sheets, a rotary shaft on said container above the tray, a friction wheel on said shaft and adapted to engage successively said sheets and deliver the same through a suitable opening in said housing, said shaft having a hinge joint therein and extending through the housing and means on the outer end of the shaft for manipulating the same.

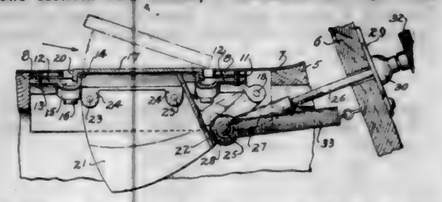
1,564,250. DISPLAY BOX. RUSSELL A. LAMBERT, Springfield, Mass. Filed Feb. 13, 1924. Serial No. 692,609. 9 Claims. (Cl. 206—44.)



1. In a display box, an inner cover and an outer cover hinged to opposite walls of the box, and foldable bracing means connecting the inner cover to other opposite walls of the box, said outer cover adapted to be inserted between said foldable bracing means when the inner cover is open to hold the latter thus positioned by preventing collapse of said foldable bracing means.

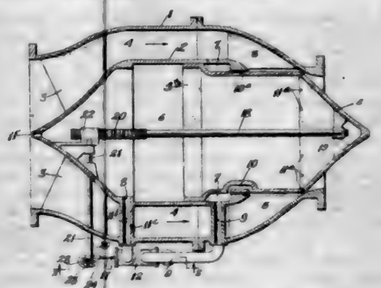
1,564,251. COWL VENTILATOR. PETER N. LANDINE, Milford, Conn. Original application filed Sept. 9, 1922, Serial No. 587,190. Divided and this application filed June 14, 1923. Serial No. 645,283. 4 Claims. (Cl. 98—22.)

1. In a cowl ventilator, a frame having a drain channel thereon, a second frame to be secured to said first mentioned frame for holding part of a sheet metal cowl between said frames, a ventilator cover pivotally



mounted on one of said frames and seating on one side of said drain channel, and means for actuating said ventilator cover.

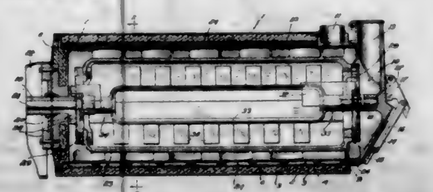
1,564,252. DIFFERENTIAL PLUNGER VALVE. CHESTER W. LARNER, Philadelphia, Pa., assignor, by direct and mesne assignments, to The William Cramp & Sons Ship & Engine Building Company, a Corporation of Pennsylvania. Filed Nov. 4, 1921. Serial No. 512,762. 14 Claims. (Cl. 137—139.)



4. The combination of a plunger valve having cylindrical and annular operating chambers to each of which pressure is supplied through openings provided in the internal structure of the valve, and a control valve devoid of pressure connections and having exhaust connections for said chambers substantially as described.

14. The combination with a casing and a hollow valve therein formed of a stationary part and a movable plunger seating against said casing, and means for operating said valve comprising a fluid pressure chamber within said plunger and an opening connecting the interior of said plunger to the fluid way, said opening being located slightly up-stream from the seat between the plunger and the body of the casing.

1,564,253. ICE-CREAM FREEZER. OLAF LARSEN, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 23, 1922. Serial No. 596,261. 3 Claims. (Cl. 259—6.)

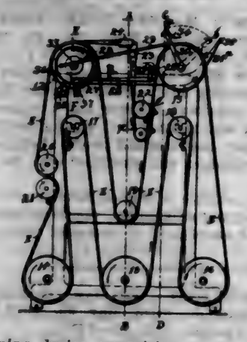


1. In a device of the class described, material agitating means comprising an inner dasher having a substantially rectangular rigid frame structure enclosing an unobstructed central space, outwardly extending radial



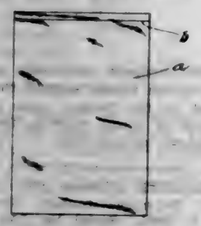
blades formed on the side members of said frame structure, endwardly extending shafts mounted on the end members of said frame structure, an outer dasher of substantially rectangular rigid frame structure enclosing a space arranged to receive said inner dasher, bearings in the end members of said outer dasher adapted to operatively receive said shafts, and radial blades formed on the side members of said outer dasher.

1,564,254. LAP-FORMING APPARATUS. GUILLAUME CLEMENT LAURENCY and MARCEL VIGIER, London, England. Original application filed May 26, 1921, Serial No. 472,850. Divided and this application filed Nov. 22, 1923. Serial No. 676,464. 1 Claim. (Cl. 19—155.)



A lap-forming device comprising an apron formed by an endless band, the movement of which is displaced transversely in a continuous manner to form a lap with parallel fibres having from the beginning to the end of its formation the same thickness over all its width and comprising over all its surface and throughout its thickness fibres taken up at regular intervals and at different places over the whole width of the machine, and mechanism for automatically breaking said lap when it reaches a predetermined thickness.

1,564,255. BAG. EDWARD P. LEA, South Orange, N. J., assignor to The Riegel Sack Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 26, 1923. Serial No. 647,795. 3 Claims. (Cl. 139—420.)



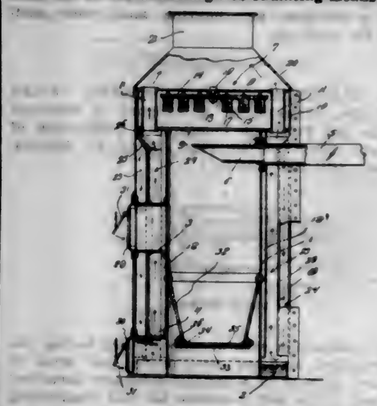
1. A bag of textile material for cement and the like having for its upper open end a selvage edge of the fabric in which is woven a warp thread or threads of relatively large size.

1,564,256. PIPELESS FURNACE. HENRY LECHLEITNER, Akron, Ohio. Filed Apr. 14, 1925. Serial No. 23,016. 2 Claims. (Cl. 126—113.)

1. In a furnace of the class described, a casing, a shell located in said casing, said shell being hollow and disposed vertically, a bottom connected with the lower end of the shell, said bottom being fashioned to provide a water containing pan, an air heating drum at the top

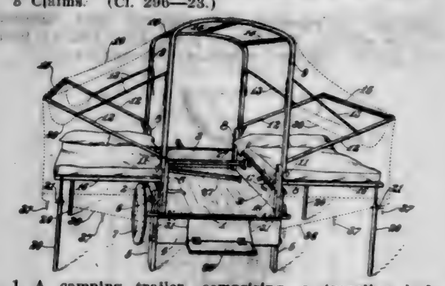


of said shell, said drum, shell and pan being a single unit, and a heat absorbing and radiating means located in



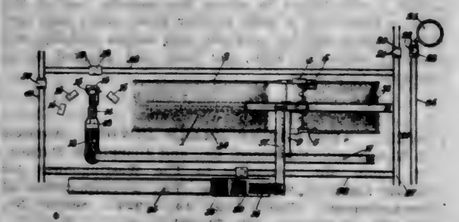
said drum and comprising a casting embodying cells in which heat absorbing coils are confined.

1,564,257. CAMPING TRAILER. WILLIAM A. LIPPMAN, St. Louis, Mo. Filed May 2, 1921. Serial No. 466,197. 8 Claims. (Cl. 296—23.)



1. A camping trailer, comprising, a traveling body having a room floor, an arch arranged at each end of and spanning said body and pivoted thereon to swing towards and from one another, whereby said arches may be extended vertically or collapsed to a horizontal position upon the body, an arm permanently pivoted to the leg of each arch and movable from a position therealong when the arch is collapsed to a position extending transversely therefrom when the arch is extended vertically, and a cover arranged to be supported by said arches and said arms, adapted to provide with said body a camp room.

1,564,258. SANDSLINGER MACHINE. ALEXIUS LOUGHEAN, Brooklyn, N. Y. Filed Sept. 1, 1923. Serial No. 660,468. 10 Claims. (Cl. 22—20.)



1. The combination of a stationary sandslinger with means for conveying sand thereto from a sand pile, a dumping place for molds, and means for re-forming the

sand pile as it is consumed comprising a sand conveyor for removing sand from said dumping place to the sand pile, and a conveyor for conveying sand from sand-slinger to the sand pile.

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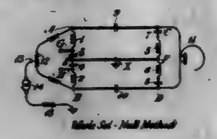
1,564,259. ELECTRICAL TESTING SYSTEM. RALPH G. MCCURDY, Cresskill, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 30, 1921. Serial No. 525,953. 7 Claims. (Cl. 199—175.)



1. The combination with a composite set having two similar grounded branches constituting two arms of a Wheatstone network of a variable resistance connected with one end of the said composite set, and constituting the two ratio arms of the network, a current indicating device connected with the other end of the composite set and a grounded source of varying potential connected with the contactor of the said variable resistance.

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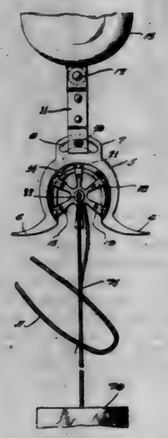
1,564,260. ANTISWEEPING DEVICE FOR MINES. JOHN MCGINN, Washington, D. C. Filed June 13, 1924. Serial No. 719,853. 3 Claims. (Cl. 102—3.)



1. In an anti-sweeping device for mines, an anchoring cable, an anchor to one end of which said cable is connected, a star wheel to which the opposite end of the cable is connected, a body member upon which said star wheel is mounted for rotation, and means slidably and pivotally connected with said body and adapted to be connected to a mine.

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1,564,261. AUTOMOTIVE BRAKE DEVICE. ANDREW C. MATHIESON, Edgewood, Pa., and JOSEPH M. DAPRON, St. Louis, Mo., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Aug. 14, 1924. Serial No. 731,988. 6 Claims. (Cl. 74—81.)

1. The combination with mechanism for controlling the brakes, a yielding resistance for opposing movement of said mechanism, and a manually controlled device for operating said mechanism, of means for disconnecting said mechanism from operative engagement with said manually controlled device after a predetermined move-

ment thereof, the further movement of said manually controlled device being free of said mechanism and said yielding resistance.

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1,564,262. FOOD MANUFACTURE. HOWARD S. MELLOTT, Morenci, Mich. Filed Dec. 16, 1922. Serial No. 607,425. 7 Claims. (Cl. 99—11.)

1. A process of preparing a food product which comprises concentrating milk, adding chocolate flavor thereto, warming the resultant mixture and homogenizing while warm, cooling said mixture and adding sweetening material to the same, the resultant product being subsequently sealed in a container and sterilized with heat and agitation.

6. A water soluble sterilized homogenous liquid food product embodying milk solids, vegetable solids including chocolate, and sweetening in excess of thirty-five percent by weight.

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1,564,263. SIGNPOST. WILLIAM FREDERICK MOODY, Romsey, England. Filed May 25, 1925. Serial No. 32,774. 4 Claims. (Cl. 40—145.)

1. An improved signpost comprising adjustable standards, slidable, cup-like flanges secured thereto, triangular fittings mounted on the flanges, signs mounted on the triangular fittings in spiral stepwise formation in relation to the standard, as described.

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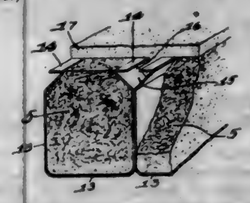
1,564,264. CONCRETE FLOOR AND CEILING CONSTRUCTION. RICHARD MURRAY, New York, N. Y. Filed Nov. 17, 1924. Serial No. 750,275. 7 Claims. (Cl. 72—66.)



1. A beam of the class described composed of an elongated body of concrete and a binder of fibrous material imbedded in and constituting part of said body, steel



wool imbedded in said body as a binder and filling, a reinforcing beam imbedded in said concrete body, and a metal facing for the major portion of said body.

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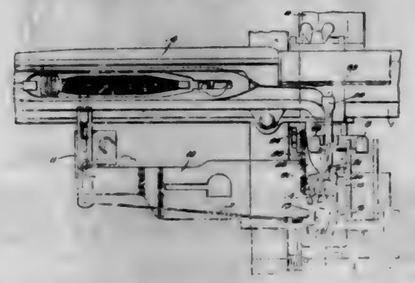
1,564,265. FILLING-FEELER MECHANISM FOR LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Aug. 16, 1921. Serial No. 492,733. 7 Claims. (Cl. 139—230.)



1. A loom having, in combination, a lay adapted to carry a shuttle, a shuttle box, a filling feeler mechanism comprising a feeler, a latch, connections between the feeler and latch, means tending to move the feeler to cause its filling feeling end to move toward the butt of a bobbin in the shuttle, a controller for preventing such movement of the feeler, the shuttle box being provided with a part adapted to engage the controller, and thereby release the latch and feeler when the shuttle is boxed on the filling feeler side of the loom.

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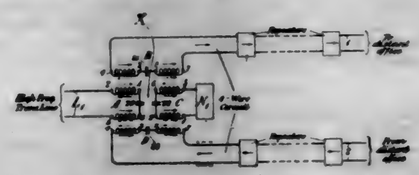
1,564,266. ELECTRICAL TRANSFORMER. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 29, 1921. Serial No. 481,319. 8 Claims. (Cl. 179—170.)



1. In a signaling system, the combination with a line circuit of a balancing network circuit, an input circuit, an output circuit and a transformer arrangement adapted to electrically connect all of said circuits and to transmit readily currents of frequencies above a certain limit.

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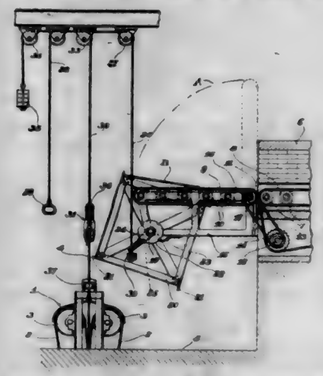
1,564,267. APPARATUS FOR HANDLING GLASS SHEETS. WILLIAM OWEN, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Feb. 16, 1924. Serial No. 693,240. 7 Claims. (Cl. 49—8.)

5. The combination with a vertical sheet glass drawing machine, of a counterbalanced clamping device above the machine adapted to engage the upper edge of the sheet cut from the continuous sheet being drawn and move upwardly therewith and give it support during and after the cutting off operation, a driven carrier extending laterally from a position at one side of the machine, and a transfer frame pivoted beneath the end of the carrier adjacent the machine having a plurality of similar faces arranged around the axis of the frame for engaging the flat sides of the glass sheets which are cut from said continuous sheet, supporting means projecting



laterally from one edge of each of said faces for engaging the lower edge of said sheets, and means for rotating the frame so that the sheets placed thereon are raised and carried over the carrier and lowered thereon.

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1,564,268. APPARATUS FOR USE IN CIPHERING AND DECIPHERING. JOÃO PINTO PESSÔA, Rio de Janeiro, Brazil. Filed Sept. 6, 1923. Serial No. 661,283. 4 Claims. (Cl. 35—13.)

1. An apparatus for use in ciphering and deciphering messages and the like comprising a case, a pair of concentric rings mounted within the case and having the letters of the alphabet marked on each ring, a disc member mounted concentrically within the said rings and having a circular series of numbered recesses therein, a pointer permanently secured on the disc and indicating one or other of the letters on one of the rings, a hollow shaft carrying said disc member, means whereby the hollow shaft is rotated in the operation of the apparatus, a spindle mounted in the hollow shaft and capable of both rotary and endwise movement therein, a pointer secured on said spindle and engaging one or other of the said recesses and indicating one or other of the letters on the other ring, means for retaining the spindle in such an endwise position that the latter pointer is retained in a recess, means whereby the spindle is shifted to release the pointer from the recess and whereby the spindle may be rotated to bring it into position for engagement with a different recess.

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1,564,269. INTRAORAL X-RAY FILM AND SCREEN HOLDER AND POUCH. MICHAEL PEYSER, Jericho Turnpike, Long Island, N. Y. Filed Jan. 31, 1922. Serial No. 532,980. 2 Claims. (Cl. 250—84.)

2. In X-ray in dental and oral work a double intensifying screen and the screens placed facing each other,

each of the screens being securely enveloped in celluloid and sealed hermetically, the celluloid containers being

held together by a suitable binding at one end, a thin sheet of non-penetrable metal being inserted in the one envelope back of such screen.

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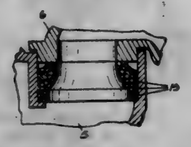
1,564,270. FLEXIBLE PIPE. JOHN HENRY PHILLIPS, Jr., Jackson, Mich. Filed Apr. 13, 1922. Serial No. 552,143. 10 Claims. (Cl. 288—1.)



1. As an article of manufacture, a cylindrical annular gasket having an outwardly tapering bore with a cylindrical portion at the inner end thereof, and a plurality of annular peripheral grooves of downwardly tapering cross section, the inner edge of the inner groove terminating adjacent the inner end of the gasket, the outer corner of the gasket being chamfered.

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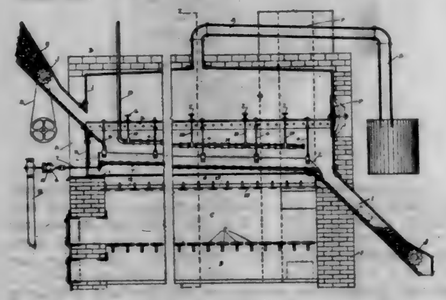
1,564,271. OIL-SHALE RETORT. JOHN T. POPE, Salt Lake City, Utah. Filed Oct. 24, 1922, Serial No. 596,562. Renewed June 29, 1925. 3 Claims. (Cl. 202—14.)



1. In an oil shale retort the combination of a sheet metal casing having a furnace thereunder; an angle iron frame secured to the sides of said casing; a grid composed of inverted T-irons and fire brick slabs placed between the furnace and said sheet metal casing; an inclined metal table suspended from said frame; means to reciprocate said table longitudinally; a perforated steam rack spaced above said table; means to conduct superheated steam to said steam rack; chutes to conduct crushed shale to and from said table; rotatable roller gates to control the passage of crushed shale through said retort; and a pipe line to conduct gas from said casing.

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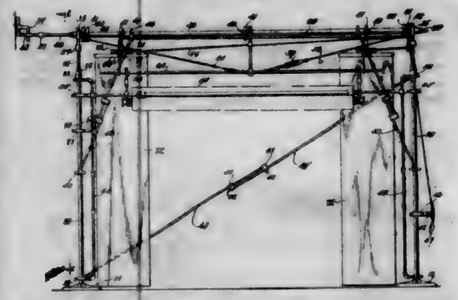
1,564,272. THEATRICAL STAGE. WILLIAM E. PRICE, Hartsdale, N. Y. Filed Oct. 7, 1922. Serial No. 592,938. 6 Claims. (Cl. 272—22.)

1. In a portable scenery frame adjustable to various sizes of length, width and height, cylindrical members, and means for removably securing said members together comprising a V-shaped gripping member, a T-shaped gripping member, means for reversibly pivoting said T-shaped member to one end of the V-shaped member to accommodate cylindrical members of various di-



ameters, teeth in both of said gripping members adapted to engage one of the cylindrical members, and a single tightening means at the other end of said V-shaped member.

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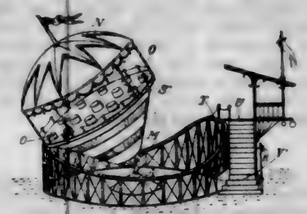
1,564,273. ROUNDABOUT AFFECTING THE SHAPE OF A GIANT TOP. ETIENNE PROST, Marseille, France, assignor to Henri Girard, Marseille, France. Filed Feb. 7, 1923. Serial No. 617,523. 1 Claim. (Cl. 272—50.)



An amusement apparatus comprising a roundabout shaped like a giant top, an entrance and exit platform, an undulating track formed with a depression for receiving the roundabout and facilitating the stoppage thereof alongside said platform, and a peripheral edge on the roundabout for engaging and rolling upon the said track.

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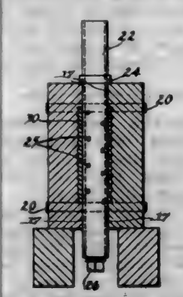
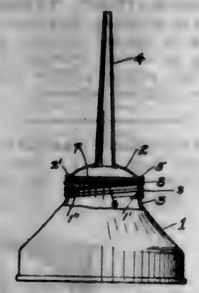
1,564,274. METHOD OF AND MEANS FOR CASTING ARTICLES. CHARLES CLAFLIN RAND, Lombard, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 8, 1923. Serial No. 667,109. 12 Claims. (Cl. 25—129.)



1. The method of casting an article, which consists in directing a slip against the wall of a mold cavity from a position within the cavity.



1,564,275. OIL CAN. JOHN J. RITTER, Urbana, Ohio, assignor to The W. B. Marvin Manufacturing Company, Urbana, Ohio, a Corporation of Ohio. Filed May 13, 1925. Serial No. 29,855. 2 Claims. (Cl. 221—56.)



1. In an oil can, a body portion having a threaded neck provided with an internal annular flange at its outer end, a cap having a spout and provided with a circumferential flange, said flange having a plain upper cylindrical portion and a lower threaded portion to engage the neck, and an insertable member having a check valve located in the said upper cylindrical portion of said flange.

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1,564,276. FIRE KINDLER. WILLIAM T. ROBERTSON, Montgomery, Ala. Filed Sept. 18, 1924. Serial No. 738,522. 1 Claim. (Cl. 158—10.)

In a fire kindler, a casing, a filler in said casing, a handle comprising a plurality of wires bound together to provide a hand grip, said wires having their forward ends spaced laterally to form lateral tines and a central tine, said lateral tines having laterally extended end portions, and said central tines having an upwardly extended end portion providing attaching prongs, said prongs being extended through one wall of said casing and embedded in the filler to secure the casing and handle together.

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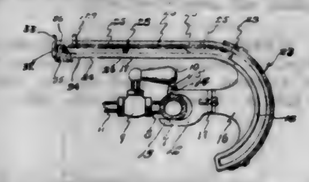
1,564,277. STOPCOCK SHIELD. SAMUEL ROLLAND, Flint, Mich. Filed Jan. 5, 1925. Serial No. 598. 7 Claims. (Cl. 126—42.)

1. A shield of the class described, adapted for use with a gas stove, having a feed pipe comprising a clamping member adapted for engagement on said pipe; channel bearing guide members formed arcuate, adjacent one end; a web formed on said guide members adjacent said arcuate end; means for connecting said web to said clamping members; a permanently arranged shield, mounted on said arcuate portion; and a movable shield



mounted in said guide members and adapted for movement in one position, for rendering the stop-cocks of the stove with which used, inaccessible.

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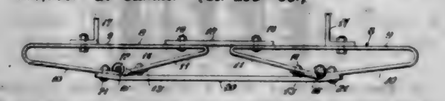
1,564,278. BUMPER FOR MOTOR VEHICLES. CHARLES G. ROSS, Chicago, Ill., assignor of one-half to William L. Ross, Chicago, Ill. Filed Apr. 21, 1924. Serial No. 707,960. 27 Claims. (Cl. 293—55.)

26. In a bumper construction of the class described, a resilient bar formed into a loop of triangular formation and having its ends pivotally connected.

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1,564,279. BUMPER FOR MOTOR VEHICLES. CHARLES G. ROSS, Chicago, Ill., assignor of one-half to William L. Ross, Chicago, Ill. Filed Apr. 21, 1924. Serial No. 707,961. 34 Claims. (Cl. 293—55.)

1. A bumper of the class described comprising, in combination, unitary transversely extending supporting means, impact means connected at its respective extremities to the extremities of said supporting means, and a bowed resilient buffer bar interposed between and having its extremities pivotally connected to one of and its medial portion bearing against the other of said means.

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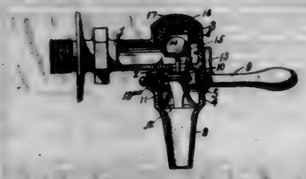
1,564,280. FAUCET. ALFRED G. SCHMIDT, Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Mar. 25, 1922. Serial No. 546,937. 5 Claims. (Cl. 277—27.)

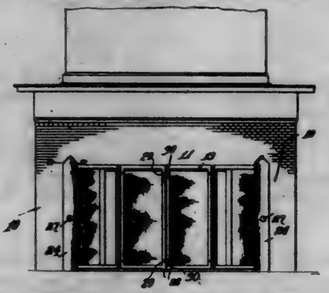


1. A faucet having a median partition provided with upper and lower valve-seats adjacent to upper and lower valve chambers, a rotatable nozzle having therein a valve-closer adapted to seat against the lower valve-seat, a valve guided to seat against the upper valve-seat, and a removable plug in the faucet having a guide for the valve projecting into the upper valve chamber.

5. A vertically disposed faucet having a median partition provided with upper and lower valve-seats, a valve-chamber above the partition and a horizontally disposed liquid conduit connected to the valve-chamber, a valve in the chamber normally disposed considerably above its

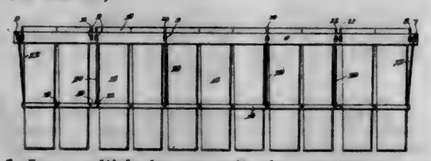
seat to present no obstruction to the flow of liquid, and a rotatable nozzle having therein a valve-closer adapted to seat against the lower valve seat.

1,564,281. FIREPLACE AND SCREEN. JAMES SUTCHFIELD, Portland, Oreg., assignor of one-half to Thomas J. Quirk, Portland, Oreg. Filed July 28, 1924. Serial No. 728,749. 3 Claims. (Cl. 126—292.)



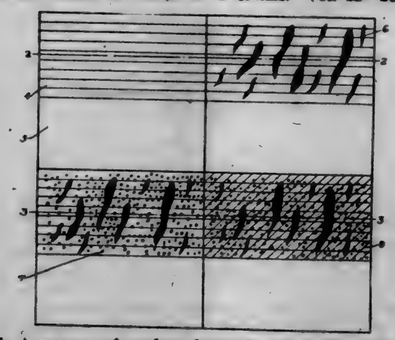
1. The combination with a fireplace having a recess in its face, of a foldable screen movable into and out of the recess, means in the recess engaged by one of the screen sections for guiding the screen into and out of the recess, means associated with the guiding means for limiting the outward movement of the screen from the recess, and a resiliently held closure for the recess.

1,564,282. ICE CAN. THOMAS SHIPLEY, York, Pa. Filed May 31, 1924. Serial No. 717,078. 7 Claims. (Cl. 220—1.)



1. In a multiple ice can unit, the combination of a plurality of ice cans; a main frame in which said cans are sustained near their tops; and a sub-frame surrounding and spacing said cans near mid-height thereof.

1,564,283. PROCESS FOR CREATING A LEATHER EFFECT. CHARLES S. SINCLAIR, Cincinnati, Ohio, assignor to The R. F. Johnston Paint Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 15, 1923. Serial No. 662,811. 2 Claims. (Cl. 41—26.)

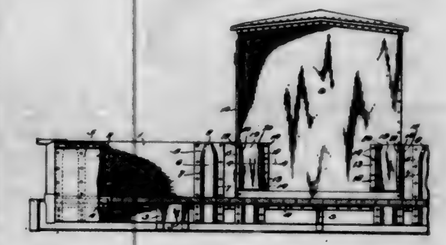


1. A process of surface decoration comprising the application of a ground color to a given surface, applying a design over the ground surface, and stippling over the ground surface after the application of a design.

1,564,284. GRAY CAST IRON AND THE PROCESS FOR ITS PRODUCTION. KARL SIPP, Mannheim, Germany, assignor to the Firm Heinrich Lanz, Mannheim, Baden, German, a Copartnership. Filed May 15, 1924. Serial No. 713,605. 8 Claims. (Cl. 75—1.)

1. The process of producing gray cast iron which comprises preparing a casting mixture and introducing therein nickel in an amount sufficient to effect, in conjunction with the silicon present therein, the precipitation of the graphite required.

1,564,285. COMPARTMENT FREIGHT CAR. ALFRED H. SMITH, New York, N. Y. Filed June 9, 1920. Serial No. 387,518. 6 Claims. (Cl. 105—366.)



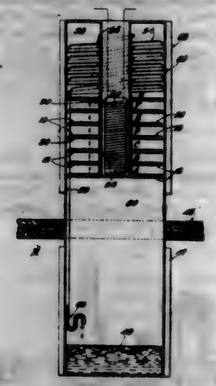
1. The combination of a car having side and end walls and stakes secured to the inner face of said side walls, of a plurality of independent freight compartments adapted to be positioned on said car, and locking means on the compartment to interlock with said stakes as the compartments are placed in position in the car, whereby the compartments are securely anchored in the car.

1,564,286. ROTARY MOTOR. BRUCE E. SMITH, Windsor, Ontario, Canada. Filed Apr. 17, 1922. Serial No. 553,682. 3 Claims. (Cl. 123—16.)

1. A rotary motor comprising a two part rotor having its parts axially spaced and adjustable toward each other, a rotor casing forming with said rotor adjoining compression and explosion chambers and having an annular interior projection and a pair of sealing rings secured to said rotor at each end thereof and projecting outwardly beyond the rotor into engagement with said projection upon the rotor casing.

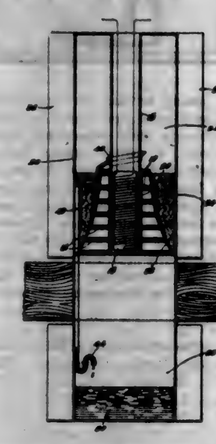
1,564,287. METHOD AND APPARATUS FOR HANDLING GASES AND VAPORS. CHARLES G. SMITH, Medford, Mass., assignor to Raytheon Manufacturing Company, Cambridge, Mass., a Corporation of Massachusetts. Filed May 19, 1922. Serial No. 562,282. 18 Claims. (Cl. 230—18.)

1. In an apparatus of the character described, a pump unit comprising a pair of plates disposed adjacent to each other in face to face relation, each said plate having an aperture registering with the aperture in the



other plate and means whereby one of said plates is heated and whereby the other of said plates is cooled.

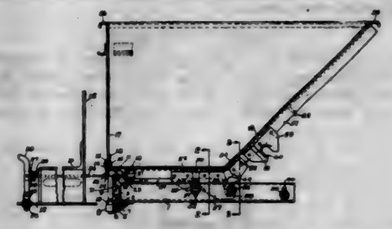
1,564,288. APPARATUS FOR HANDLING GASES AND VAPORS. CHARLES G. SMITH, Medford, Mass., assignor to Raytheon Manufacturing Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Aug. 10, 1922. Serial No. 580,923. 15 Claims. (Cl. 230—18.)



1. In apparatus of the character described, means including a pair of members at different temperatures and in spaced relation to each other for pumping a gaseous medium in response to said temperature difference, means whereby said member of higher temperature is heated, and means for supporting a cooling liquid in heat transfer relation to said member of lower temperature.

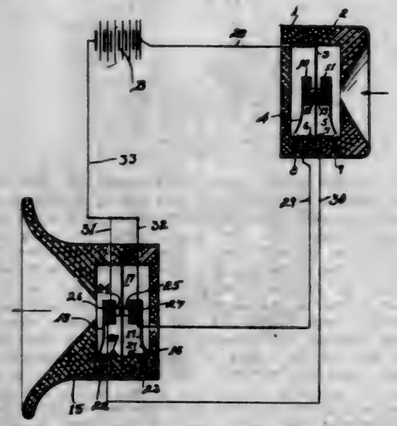
1,564,289. AUTOMATIC DUMP BODY. RALPH E. SMITH, JOHN C. GAY, and ROY J. ARNOLD, Galion, Ohio, assignors to The Galion Metallic Vault Company, Galion, Ohio, a Corporation of Ohio. Filed Feb. 16, 1925. Serial No. 9,580. 6 Claims. (Cl. 298—10.)

5. In combination, side rails, transverse rods located at spaced intervals therein, broad bearing members supporting said rods in said side rails, a dump body, a plurality of spaced rocking jaws on either side of the bottom and rear wall of the body, said jaws having broad bearing faces adapted to rest on said transverse rods



adjacent the said rails on either side of the body, means to position the body when in horizontal position and supported at its forward end on the side rails.

1,564,290. TELEPHONE APPARATUS. STUART F. SMITH, San Francisco, Calif. Filed May 8, 1922. Serial No. 559,158. 4 Claims. (Cl. 179—1.)



1. In a telephone apparatus sending and receiving diaphragms, microphone transmitting apparatus on both sides of the sending diaphragm, a pair of electromagnets on opposite sides of the receiving diaphragm, means to transmit current from both sides of the sending diaphragm to both sides of the receiving diaphragm, and means to adjust the position of the sending apparatus with respect to the diaphragm adjacent the same.

1,564,291. METHOD OF PREPARING MOTION-PICTURE TITLES. LELAND H. STANFORD, Okmulgee, Okla. Filed Oct. 28, 1922. Serial No. 597,574. 2 Claims. (Cl. 88—16.)

2. The method of preparing descriptive titles in motion picture films, said method consisting in the enlargement of a frame of said film, the execution of lettering on said enlargement, the reproduction of a series of said lettered enlargements, the reduction of said lettered en-

largements to their original size, and the introduction of said lettered enlargements into said film in a position directly preceding the frame from which said enlargements were prepared.

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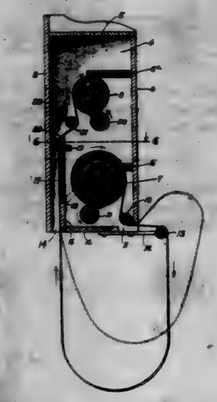
1,564,292. TOWEL CABINET. GEORGE A. STEINER, Salt Lake City, Utah, assignor to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed June 24, 1922. Serial No. 570,703. 2 Claims. (Cl. 45—32.)



1. A towel holder comprising a support for the clean and soiled towel rolls, feed rolls having a driving connection between them and with which said towel rolls contact respectively, the clean towel roll being near the bottom of said holder and the soiled towel roll near the top thereof, the lower portion of said holder having an opening through which the web of clean towel is fed to the user, and the rear of said holder having a gate hinged to swing forwardly as a towel is being inserted but normally held upright to form with the back of the casing, a passage through which the soiled towel web is fed to the soiled towel roll, a tension roll mounted beneath and in the rear of the soiled towel roll and in front of which the web of soiled towel is conducted from said passage to the soiled towel roll and means to prevent the end of the soiled towel from being inserted back of the tension roll.

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1,564,293. BRUSH HEAD AND HANDLE CONNECTION. HERBERT M. STURGIS, Kansas City, Mo. Filed Nov. 14, 1924. Serial No. 749,815. 3 Claims. (Cl. 300—1.)

2. A connection for fastening handles to brushes, comprising two members, one of which is adapted to be fastened to the brush and the other to the handle, one member consisting of a single bar bent intermediate its ends to provide two arms, one at an obtuse angle to the other, one arm being doubled back to form an open loop, the bar having a notch at one end adjacent to the open loop, the other arm being doubled back to provide a closed handle engaging loop, the second end of the bar extending beyond the end of the closed loop terminating in a pawl to engage the notch, the open loop being engageable with the other member.

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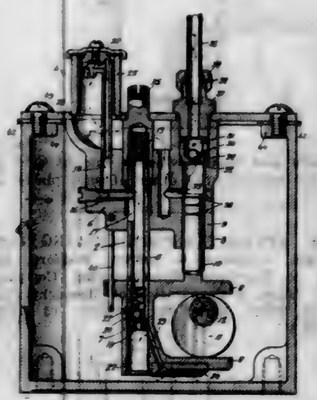
1,564,294. LUBRICATOR. FLOYD L. SWANBERG, Milwaukee, Wis., assignor, by mesne assignments, to S. F. Bowser and Co., Inc., Fort Wayne, Ind., a Corporation of Indiana. Filed Sept. 27, 1920. Serial No. 412,920. 46 Claims. (Cl. 184—27.)



1. Lubricating means having in combination a reservoir; a plurality of lubricators therefor; each lubricator comprising a supporting plate removably fastened to the top of the reservoir, a pump casing fastened to the plate and depending therefrom into the reservoir, a circulating pump, a force feed pump, one pump having a stationary piston and a movable cylinder and the other a movable piston and a stationary cylinder, the stationary piston extending into an opening in the pump casing and the stationary cylinder being formed in the casing, and a member extending through the plate and adjustably supporting the stationary piston.

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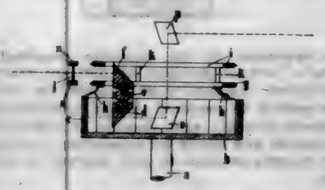
1,564,295. CINEMATOGRAPHIC APPARATUS. WALTHER THORNER, Berlin, Germany. Filed Sept. 12, 1922. Serial No. 587,668. 6 Claims. (Cl. 88—16.8.)



1. A cinematographic apparatus comprising in combination a rotatable ring of reflectors having their reflecting surfaces on the inside of the ring, a guide for a film strip, a transporting wheel for the film coaxially with and axially displaced to said reflector ring and in firm connection therewith, an objective and further optical means including reflectors within the path of light rays between said film guide and reflector ring, said further optical means provided between the film guide and the reflector ring in addition to the objective adapted to compensate the image reversion produced by the objective in the direction of the rotation of the reflector ring.



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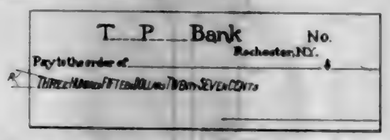
1,564,296. CHECK. CHARLES G. TIEFEL, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y. Filed Mar. 26, 1920. Serial No. 368,503. 3 Claims. (Cl. 283—9.)




2. A check having the amount printed thereon in words arranged in a line without more space between the words than between the letters of the words, the letters of each word being spaced apart and formed to make all of the words the same in length regardless of the number of letters in the various words, and having the letters of each word graduated in height from one end to the other to bring letters of different sizes into juxtaposition at the word ends and make the separate words of the amount easily distinguishable.

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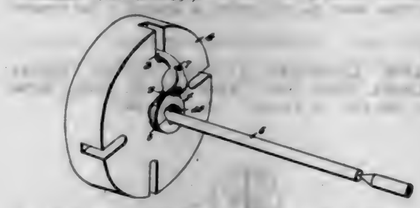
1,564,297. LATHE DOG. ANTON VALTMAN, Coleraine, Minn. Filed July 1, 1924. Serial No. 723,555. 1 Claim. (Cl. 82—41.)



A lathe dog comprising a body having a work receiving opening therein with an L-shaped arm carried by the top thereof, one member of said arm extending radially from said body and the other member projecting laterally to form the lathe engaging finger, the radially extending member of said arm having a socket opening through the outer end thereof with a bore connecting said socket with said opening, and a work-clamping screw threaded in said bore and having its head housed and completely protected within said socket, said screw and arm operating to evenly balance the dog.

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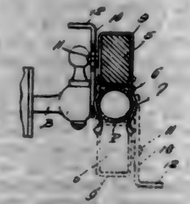
1,564,298. ATTACHMENT FOR GAS RANGES. JOHN E. WALTER, Baltimore, Md. Filed Feb. 6, 1925. Serial No. 7,301. 2 Claims. (Cl. 126—42.)



1. An attachment of the class described including an elongated bar, spring clips on the bar for attaching the same to the supply pipe of a gas range, a sleeve slidable on the bar, and a hook on the sleeve for engaging a branch extending from the supply pipe so as to hold the bar in an operative position.

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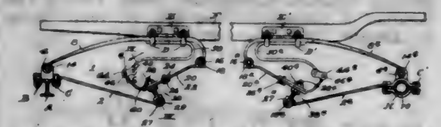
1,564,299. SHOCK-ABSORBING SPRING. ELMER E. WELSH, Lawrence, Kans. Filed May 22, 1925. Serial No. 32,093. 7 Claims. (Cl. 267—46.)



1. In spring means for motor vehicles, a relatively rigid member fixed at one end to an axle of said vehicle and free at its opposite end, a spring fixed intermediate its ends to the vehicle chassis and operably connected at one end to the fixed end of said rigid member, and yieldable restraining means connected to the free end of said rigid member and to the spring and embodying means swingable through arcs of different radii to check the flexing of said spring.

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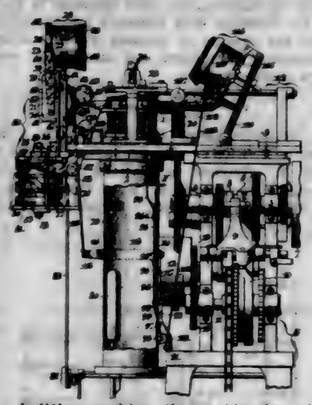
1,564,300. TRANSFER MECHANISM FOR KNITTING MACHINES. LOUIS N. D. WILLIAMS, Ogontz, Pa. Filed May 10, 1923. Serial No. 637,955. 22 Claims. (Cl. 66—22.)



1. In a knitting machine, the combination of a needle cylinder, a transfer ring with points for individually penetrating the loops of the terminal course of fabric on the needles, non-penetrating means for engaging said loops and preventing them from being withdrawn from the points incidentally to dislodgment of the ring from the needles during transfer.

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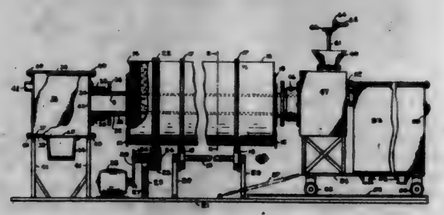
1,564,301. CURTAIN RING AND CLIP FOR SUSPENDING CURTAINS AND THE LIKE. ARCHIBALD WILSON, Pietermaritzburg, Natal, South Africa. Filed Dec. 11, 1924. Serial No. 755,827. 1 Claim. (Cl. 156—21.)

A combined curtain ring and clip, comprising, a strip of spring metal formed in a ring with its ends projecting radially from the ring, opposed matching rectangular notches in the edges of the strip near its ends, a button integrally stamped in the strip at one end, a button receiving socket in the other end of the strip, the button and socket interengaging and being held in place by the spring of the strip after the notched portions have been interengaged.

1,564,302. APPARATUS FOR MAKING ANHYDROUS METALLIC CHLORIDES. FREDERICK T. WOHLERS, Hasbrouck Heights, N. J., assignor to The Anhydrous Metallic Chlorides Corporation, Dover, Del., a Corporation of Delaware. Filed Dec. 17, 1921. Serial No. 523,016. 25 Claims. (Cl. 204—64.)



1. In an apparatus for making anhydrous metallic chlorides, the combination of a rotary uniformly heated fused silica reaction chamber, means for feeding the mixture or compound carrying the metallic element into said chamber in a uniform manner, means for regulating the feeding of chlorine into said chamber in an amount sufficient to combine with elements present in the solid feed which are capable of forming metallic chlorides at the temperature maintained and means for condensing the vapors of the reaction.

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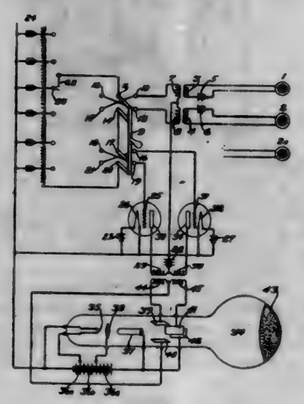
1,564,303. SYSTEM FOR LOCATION OF A SOURCE OF WAVE ENERGY. PETER IRVING WOLD, Schenectady, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 18, 1921. Serial No. 462,076. 10 Claims. (Cl. 177—336.)



1. In a system of the character described, a plurality of impulse transmitters, and means including a cathode ray tube for visually indicating the relative intensities of the impulses transmitted thereby.

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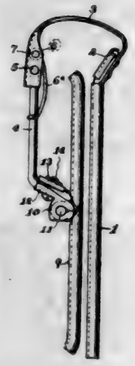
1,564,304. WINDSHIELD CLEARER. SAMUEL C. WOLFE, Angola, Ind., assignor to Fernald Manufacturing Company, North East, Pa., a Corporation. Original application filed June 6, 1917, Serial No. 173,146. Divided and this application filed Oct. 14, 1922. Serial No. 594,422. 4 Claims. (Cl. 15—251.)

1. An attachment for windshield clearers of the type having a wiper mounted for reciprocation over the outer surface of the windshield glass and an operating arm located adjacent the inner surface of the glass, said attachment comprising a bracket adapted to be detachably applied to the operating arm, and an auxiliary wiper carried by the bracket and movable relative thereto so



that it can adjust itself for proper engagement with the inner surface of the windshield glass, both sides of the windshield glass being adapted to be cleared at the same time when the attachment is applied to the clearer.

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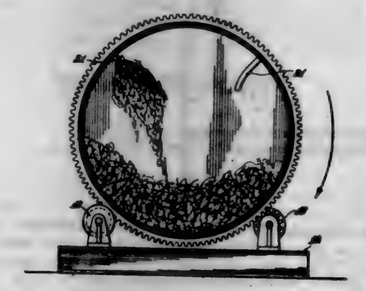
1,564,305. AUTOMATIC MAIL-BOX SIGNAL. MARTEN FANDERS, Diller, Nebr. Filed Dec. 26, 1923. Serial No. 682,816. 2 Claims. (Cl. 232—35.)

2. A signal device for rural mail boxes comprising a support which is adapted to be secured to the mail box, said support having an upper and a lower projecting ear each of which is provided with an aperture, an actuating rod pivoted to both of said ears in the apertures thereof, said actuating rod having a laterally projecting portion between said ears, a tension spring connecting the laterally projecting portion of said actuating rod to said support, and an adjustable signal element carried by said actuating rod at its upper extremity, the upper of the laterally projecting ears being bendable into the path of the lateral projection on said actuating rod, the door of the mail box normally serving as the abutment for the lateral projection of the actuating rod when the signal is in its nonsignal position, the arrangement being such that when the upper ear is bent downwardly, the bent-down portion of the upper ear will serve as an abutment to limit the pivotal movement of the actuating rod to half of a revolution and when the ear is not bent down the support will serve as an abutment to limit the pivotal movement to three-quarters of a revolution.



1,564,306. PROCESS OF MIXING WOOL WASTE AND GREASE. FRED C. FANTZ, St. Louis, Mo., and ERNEST G. RATHBONE, Tacoma, Wash., assignors to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Nov. 17, 1919. Serial No. 338,639. 2 Claims. (Cl. 87—9.)



1. The process of impregnating a fibrous-carrier with a grease component which consists in mixing said carrier and grease component together with a rotary motion while at the same time subjecting the mass to a shredding or combing action.

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1,564,307. CREEPER ATTACHMENT FOR SHOES. ANTONIO FERRO and ANTONIO MATIESA, New York, N. Y. Filed Jan. 15, 1925. Serial No. 2,508. 2 Claims. (Cl. 36—68.)

1. In a creeper attachment for shoes, a base plate formed of an intermediate instep section and sole and heel sections hinged thereto, means for securing the creeper upon a shoe, sets of ground-engaging spurs depending from the sole and heel sections with the pointed ends of each set extending in different directions to prevent forward, backward and lateral slipping movements, the sets of spurs being outwardly directed at each side of the sole and heel, and forwardly and rearwardly directed at the front and rear ends respectively of the sole and heel and ribs depending from the sole and heel sections defining areas in which the sets of ground-engaging spurs point in different directions and terminating inwardly of the outer ends of the spurs.

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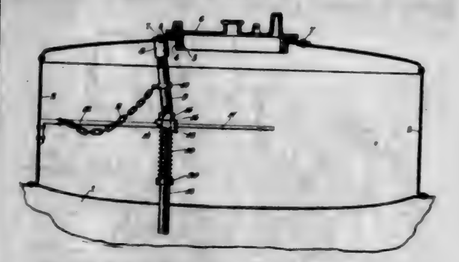
1,564,308. VALVE-OPERATING DEVICE FOR TANK CARS. EZRA R. GUDEMAN, Baltimore, Md., and GEORGE JOSEPH MACK, Brooklyn, N. Y., assignors to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Feb. 12, 1921. Serial No. 444,554. 15 Claims. (Cl. 137—21.)

1. A valve operating mechanism for tank cars and the like comprising a valve opening rod, and an adjustable screw-threaded pipe coupling adapted to be inserted in the path of movement of the rod to prevent positively



any upward motion thereof when the valve is closed, said coupling being operable from the dome of the car.

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1,564,309. SHEET GRIPPER. CHARLES W. HARROLD, Cleveland, Ohio, assignor to The Harris Automatic Press Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 28, 1924. Serial No. 702,546. 22 Claims. (Cl. 271—79.)

13. A sheet-gripper comprising a plurality of gripper fingers and a single means for actuating the several fingers in sequence.

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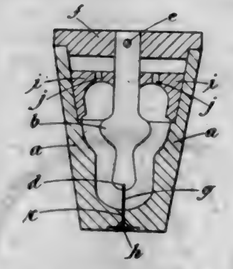
1,564,310. PROCESS FOR MOLDING RUBBER ARTICLES. FORDYCE CHARLES JONES, London, England. Filed May 15, 1922. Serial No. 561,180. 1 Claim. (Cl. 18—58.)



The method of molding rubber or rubber-containing articles consisting of pouring layers of self-vulcanizing rubber-containing solutions of different strength into the space between the exterior mold and an interior core to obtain requisite contours and thicknesses of the resulting molded article, and allowing the same to gel while confined within said space.

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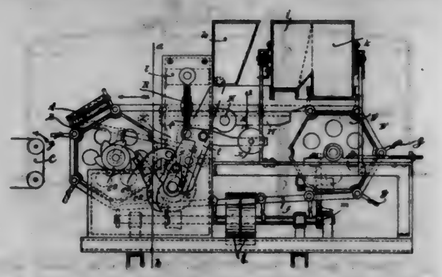
1,564,311. AUTOMATIC TILE-MAKING MACHINE. VIKTOR WIKKULA, Helsingfors, Finland. Filed Mar. 21, 1924. Serial No. 700,795. 5 Claims. (Cl. 25—43.)

1. An automatic tile making machine, comprising, in combination, an endless traveling member adapted to form molds, means for imparting a step-by-step movement to

said member, said means being adapted to raise the member alternately at opposite ends thereof, a rockable table supported beneath a portion of said member and means



for rocking said table coincidently with the raising of the traveling member whereby the table and that portion of the traveling member immediately overlying the table are always in approximate parallelism.

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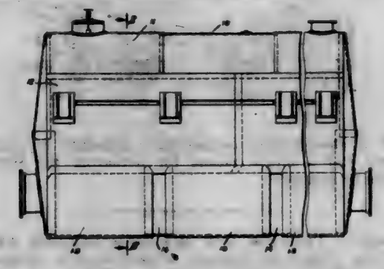
1,564,312. STILL. PAUL YOUNG, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed June 5, 1920. Serial No. 386,878. 8 Claims. (Cl. 122—238.)



1. A coke still having a still bottom formed of spaced still bottom plates, and interposed relatively yieldable flat expansion sheets.

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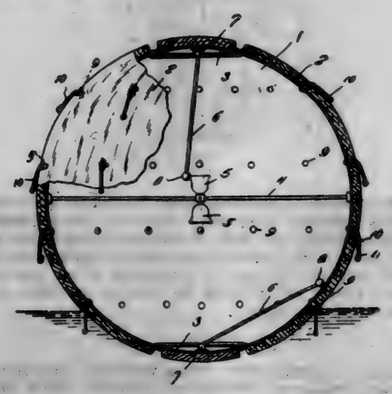
1,564,313. AQUATIC AMUSEMENT DEVICE. DON L. ALGER, Avalon, Calif. Filed May 21, 1925. Serial No. 31,947. 5 Claims. (Cl. 9—11.)



1. An aquatic amusement device of the kind described comprising a substantially spherical float, the surface of which is cushioned, and a multiplicity of hand grips distributed over the surface of the float.

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1,564,314. CONSTRUCTION AND ARRANGEMENT OF COLLAPSIBLE JETS. PAUL ARNON, Tulsa, Okla. Filed Apr. 16, 1924. Serial No. 706,932. 9 Claims. (Cl. 103—233.)

1. A collapsible jet comprising a ported tubular body portion, a sleeve valve reciprocating in said body to close the ports when in lowered position and open said ports when in upper position, means formed integral with the body for limiting the upward movement of the valve, and an adjustable stop for limiting the downward movement.

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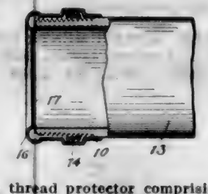
1,564,315. PIPE-THREAD PROTECTOR. HENRY W. AVERY, Cleveland, Ohio. Filed Feb. 5, 1923. Serial No. 617,156. 6 Claims. (Cl. 137—91.)



6. A pipe thread protector comprising a sleeve having on the interior and between the ends thereof an annular recess, and a section of coiled wire loosely seated in the recess and constrained by the sleeve to rotate therewith when the protector is screwed onto and off a pipe.

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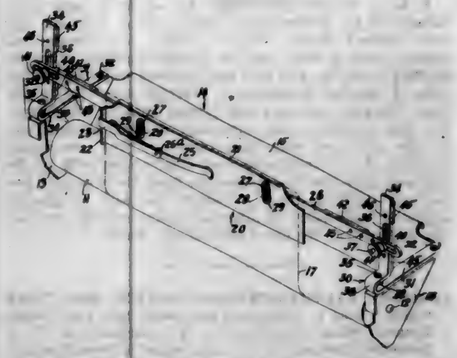
1,564,316. TYPEWRITING MACHINE. FRED BECKER, Buffalo, N. Y., assignor to Underwood Typewriter Company, New York, N. Y. a Corporation of Delaware. Filed Aug. 9, 1921. Serial No. 490,863. 25 Claims. (Cl. 197—127.)



1. In a typewriting machine, in combination, a platen, a platen-frame, an aligning table at the delivery side of the platen, a bar secured to said table and having longitudinal slots at its ends, brackets extending upwardly



from the ends of the platen-frame, pins extending through said brackets and said slots, and means, including adjustable stops on said bar, to determine a left-hand position of said table for one part of the work and a right-hand position thereof for another part of the work, thereby enabling a rapid adjustment from one of said positions to the other.

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1,564,317. APPARATUS OR MACHINE FOR HANDLING HIDES. ROBERT BLADES, Chicago, Ill. Filed July 12, 1923. Serial No. 651,023. 10 Claims. (Cl. 198—179.)

4. In an apparatus of the class described, a horizontally traveling conveyer, hide carriers, means for supporting and impelling said hide carriers over said conveyer, and means for stopping a hide carrier at a predetermined point for allowing said conveyer to reverse the hides.

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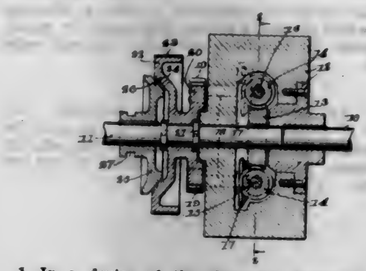
1,564,318. GEARING. JOSEPH E. BOWER, Dancy, Wis. Filed June 29, 1921. Serial No. 481,181. 2 Claims. (Cl. 74—34.)



1. In a device of the character described, the combination of driven and driving shafts, a worm wheel fixed to one of said shafts, a casing fixed to the other of said shafts, a pair of worms in said casing meshing with said worm wheel, a pair of stub shafts in said casing extending parallel to the axis of rotation thereof, bevel gearing between each stub shaft and one of said worms, a control gear rotatable about an axis substantially coincident with the axis of said casing, and a gear on each stub shaft meshing with said control gear.

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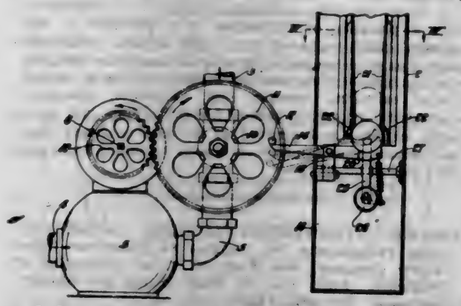
1,564,319. COIN-CONTROLLED MECHANISM. THADDEUS S. BRIGHTWELL, Braddock, Pa. Filed May 21, 1924. Serial No. 714,858. 4 Claims. (Cl. 194—3.)



3. In a coin controlled dispensing apparatus, a control lever fulcrumed intermediate its ends and adapted to be locked against movement by a coin engaging one end thereof, a coin chute adapted to guide coins downwardly against said lever, coin controlled means for preventing movement of said coin, said means being releasable by a second coin entering said slot, and means for moving said first named coin from its position on said control lever, thereby releasing said lever.

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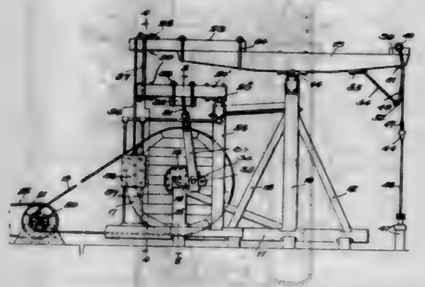
1,564,320. PUMP RIG OR JACK. HAROLD CALLAHAN, Independence, Kans. Filed May 10, 1924. Serial No. 712,283. 2 Claims. (Cl. 74—14.)



1. A standard pump or jack, comprising an upstanding post, a walking beam pivoted near its center upon the post, pumping means connected with one end of the walking beam, a bearing arranged upon one side of the post and in general vertical alinement with the opposite end of the walking beam, a transverse shaft held within the bearing, a crank carried by the shaft, and means to drive the shaft; in combination with an extension beam secured to the end of the walking beam above said shaft and serving to increase the length of one arm of the walking beam, a standard disposed between said shaft and said post, a supplemental walking beam having its inner end pivotally connected with said standard and projecting outwardly toward the outer end of the extension beam, a link pivotally connecting the outer end of the supplemental end of the walking beam and the outer end of the extension beam, and a pitman connected with the supplemental walking beam between its ends and connected with the crank.

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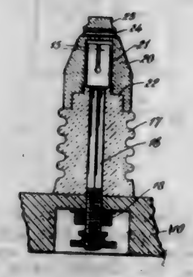
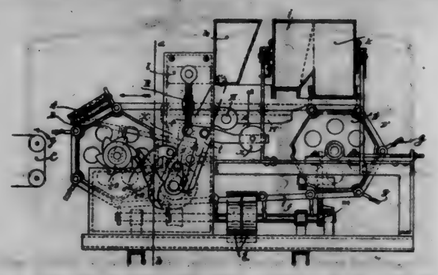
1,564,321. INSULATING COVER FOR SWITCH TERMINALS. JOHN A. CAMERON, Mount Vernon, N. Y. Filed Oct. 31, 1922. Serial No. 598,056. 4 Claims. (Cl. 200—168.)



1. An insulating cover for switch terminals comprising a closed cap of insulating material having a socket extending inwardly from one end and adapted to receive and entirely cover a switch terminal.

said member, said means being adapted to raise the member alternately at opposite ends thereof, a rockable table supported beneath a portion of said member and means



for rocking said table coincidently with the raising of the traveling member whereby the table and that portion of the traveling member immediately overlying the table are always in approximate parallelism.

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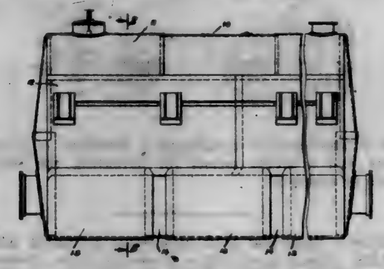
1,564,312. STILL. PAUL YOUNG, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed June 5, 1920. Serial No. 386,878. 8 Claims. (Cl. 122—233.)



1. A coke still having a still bottom formed of spaced still bottom plates, and interposed relatively yieldable flat expansion sheets.

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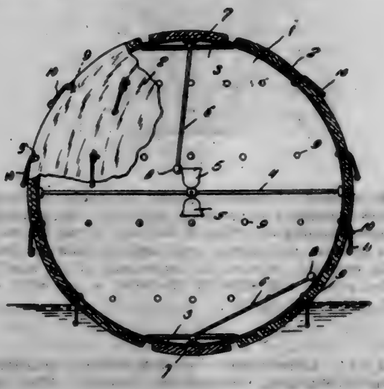

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1,564,315. PIPE-THREAD PROTECTOR. HENRY W. AVERY, Cleveland, Ohio. Filed Feb. 5, 1923. Serial No. 617,156. 6 Claims. (Cl. 137—91.)

6. A pipe thread protector comprising a sleeve having on the interior and between the ends thereof an annular recess, and a section of coiled wire loosely seated in the recess and constrained by the sleeve to rotate therewith when the protector is screwed onto and off a pipe.

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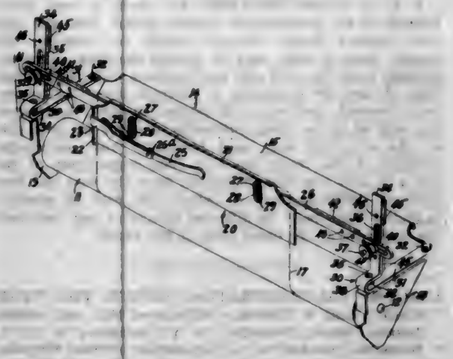
1,564,316. TYPEWRITING MACHINE. FRED BECKER, Buffalo, N. Y., assignor to Underwood Typewriter Company, New York, N. Y. a Corporation of Delaware. Filed Aug. 9, 1921. Serial No. 490,863. 25 Claims. (Cl. 197—127.)



1. In a typewriting machine, in combination, a platen, a platen-frame, an aligning table at the delivery side of the platen, a bar secured to said table and having longitudinal slots at its ends, brackets extending upwardly



from the ends of the platen-frame, pins extending through said brackets and said slots, and means, including adjustable stops on said bar, to determine a left-hand position of said table for one part of the work and a right-hand position thereof for another part of the work, thereby enabling a rapid adjustment from one of said positions to the other.

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1,564,317. APPARATUS OR MACHINE FOR HANDLING HIDES. ROBERT BLADES, Chicago, Ill. Filed July 12, 1923. Serial No. 651,023. 10 Claims. (Cl. 198—179.)

4. In an apparatus of the class described, a horizontally traveling conveyer, hide carriers, means for supporting and impelling said hide carriers over said conveyer, and means for stopping a hide carrier at a predetermined point for allowing said conveyer to reverse the hides.

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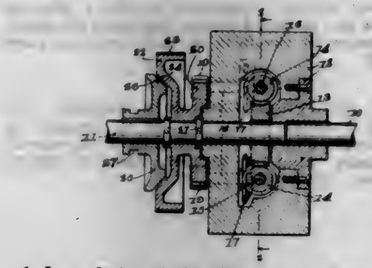
1,564,318. GEARING. JOSEPH E. BOWER, Dancy, Wis. Filed June 29, 1921. Serial No. 481,181. 2 Claims. (Cl. 74—34.)



1. In a device of the character described, the combination of driven and driving shafts, a worm wheel fixed to one of said shafts, a casing fixed to the other of said shafts, a pair of worms in said casing meshing with said worm wheel, a pair of stub shafts in said casing extending parallel to the axis of rotation thereof, bevel gearing between each stub shaft and one of said worms, a control gear rotatable about an axis substantially coincident with the axis of said casing, and a gear on each stub shaft meshing with said control gear.

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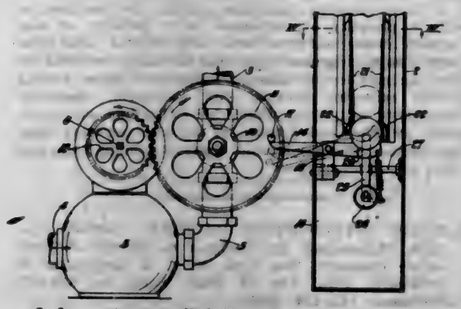
1,564,319. COIN-CONTROLLED MECHANISM. THADDEUS S. BRIGHTWELL, Braddock, Pa. Filed May 21, 1924. Serial No. 714,858. 4 Claims. (Cl. 194—3.)



3. In a coin controlled dispensing apparatus, a control lever fulcrumed intermediate its ends and adapted to be locked against movement by a coin engaging one end thereof, a coin chute adapted to guide coins downwardly against said lever, coin controlled means for preventing movement of said coin, said means being releasable by a second coin entering said slot, and means for moving said first named coin from its position on said control lever, thereby releasing said lever.

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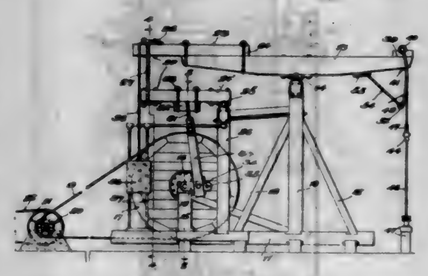
1,564,320. PUMP RIG OR JACK. HAROLD CALLAHAN, Independence, Kans. Filed May 10, 1924. Serial No. 712,283. 2 Claims. (Cl. 74—14.)



1. A standard pump or jack, comprising an upstanding post, a walking beam pivoted near its center upon the post, pumping means connected with one end of the walking beam, a bearing arranged upon one side of the post and in general vertical alinement with the opposite end of the walking beam, a transverse shaft held within the bearing, a crank carried by the shaft, and means to drive the shaft; in combination with an extension beam secured to the end of the walking beam above said shaft and serving to increase the length of one arm of the walking beam, a standard disposed between said shaft and said post, a supplemental walking beam having its inner end pivotally connected with said standard and projecting outwardly toward the outer end of the extension beam, a link pivotally connecting the outer end of the supplemental end of the walking beam and the outer end of the extension beam, and a pitman connected with the supplemental walking beam between its ends and connected with the crank.

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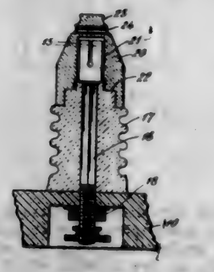
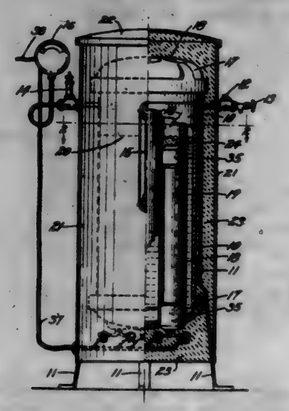
1,564,321. INSULATING COVER FOR SWITCH TERMINALS. JOHN A. CAMERON, Mount Vernon, N. Y. Filed Oct. 31, 1922. Serial No. 598,056. 4 Claims. (Cl. 200—168.)



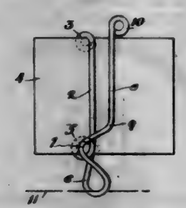
1. An insulating cover for switch terminals comprising a closed cap of insulating material having a socket extending inwardly from one end and adapted to receive and entirely cover a switch terminal.

**1,564,322. ELECTRICALLY-HEATED STEAM BOILER.** CARLETON W. CAMPBELL, Denver, Colo., assignor, by mesne assignments, to Moll Manufacturing Company, a Corporation of Colorado. Filed Sept. 15, 1924. Serial No. 737,820. 1 Claim. (Cl. 219—38.)



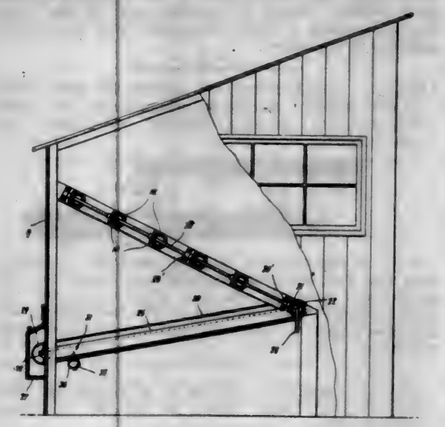
In an electrically heated steam boiler a vertically arranged pressure container; bands surrounding said container; legs secured to said bands and arranged to support said boiler; a jacket surrounding and spaced from the boiler, said jacket being open at its lower extremity and closed at its upper extremity, and heat insulating material filling the space between said jacket and said container.

**1,564,323. WIRE FRAME.** HABID CHAMANDY, Toronto, Ontario, Canada. Filed Apr. 29, 1925. Serial No. 26,601. 3 Claims. (Cl. 40—11.)



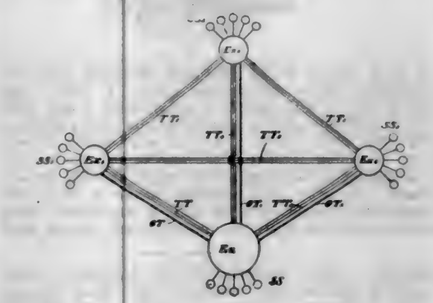
1. As a new article of manufacture, a wire frame made from a single piece of wire and comprising a ticket-holding portion embracing an arm provided at each end with an eye between which and said arm a ticket is intended to be held, and a clamping portion embracing a spring-eye integrally formed with the adjacent eye of said holding portion and with which is integrally formed a loop which is held by said spring-eye in co-operative relationship to said ticket-holding portion.

**1,564,324. SANITARY CHICKEN ROOST.** WILLIAM F. CHRISTOPHER, La Porte City, Iowa. Filed Mar. 24, 1925. Serial No. 17,973. 8 Claims. (Cl. 119—25.)



1. A roost structure comprising perches, a dropping board below said perches, a scraper, and means for mounting the scraper for circuitous movement over and under said board.

**1,564,325. TELEPHONE-EXCHANGE SYSTEM.** EDWARD E. CLEMENT, Washington, D. C., assignor, by mesne assignments, to The North Electric Manufacturing Company. Filed July 15, 1907. Serial No. 383,875. 81 Claims. (Cl. 179—27.)

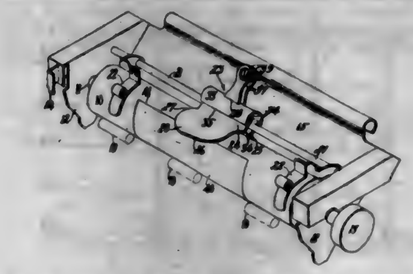


1. In a telephone exchange system, the combination with a plurality of exchanges, of a plurality of subscribers' lines connected with each of said exchanges, each of said exchanges comprising automatic switches for effecting connections between subscribers' lines, talking trunks extending between said exchanges, operators' equipments comprising means for controlling said automatic switches and grouped at an office separate from said exchanges and operators' trunks extending from said office to said exchanges.

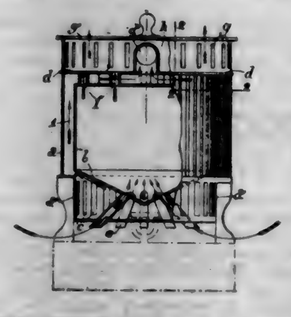
**1,564,326. TYPEWRITING MACHINE.** SAMUEL COLLINS, Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 27, 1923. Serial No. 659,437. 8 Claims. (Cl. 197—185.)

1. In a detachable card-holder for typewriting machines, the combination of a split sheet-metal cylinder, preferably made of spring steel, a pair of sheet-metal tongues shaped to fit the surface of the platen of a typewriting machine, and a pair of finger-plates, said tongues being placed facing each other in the split cylinder and held in position by the insertion of the finger-plates passed through separate slots in the split cylinder, and arranged and shaped to grip the paper-finger rod of a typewriting machine for the purpose specified.



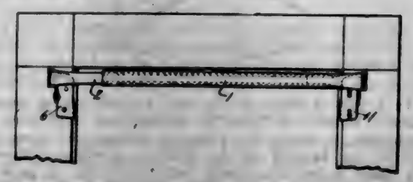


**1,564,327. HEATING APPARATUS.** FLORIMOND JOSEPH COUCKE, Lyon-Villeurbanne, France. Filed Aug. 2, 1924. Serial No. 729,691. 1 Claim. (Cl. 126—90.)



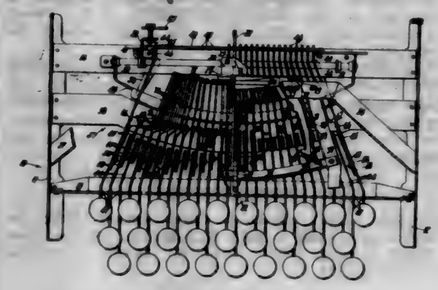
In a heating apparatus, a burner, an external corrugated casing, an inner cylindrical casing concentric therewith having a cone-shaped portion directed toward said burner and spaced from said external casing so as to form an annular duct for the gases of combustion, a compartment formed by a transverse partition in the external casing and the inner casing disposed over the top of the heater, an exhaust pipe in communication with said compartment, pipes entering the cone shaped portion to supply outside air thereto for heating and said compartment having passageways therethrough for the discharge of the heated air.

**1,564,328. COMBINED SHADE AND CURTAIN FIXTURE.** WILLIAM S. CUTTING, Cheboygan, Mich. Filed June 9, 1923. Serial No. 644,368. 1 Claim. (Cl. 156—24.)



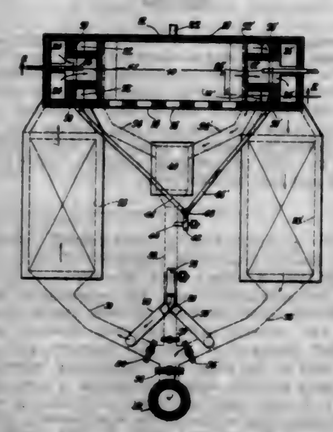
A curtain fixture comprising a strip of sheet metal arcuately curved near one end and provided with a plane plate portion, oppositely disposed ears formed at the opposite edges of the plate portion and below the curved portion of the strip the upper edge of the lower ear at one side of the plate portion being located below the lower edge of the upper ear at the opposite side edge of the plate portion.

**1,564,329. TYPEWRITING MACHINE.** WILLIAM A. DOBSON, Bridgeport, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 15, 1923. Serial No. 639,068. 29 Claims. (Cl. 197—22.)



1. The combination in a typewriting machine including a frame and a platen, of a type-action including a plurality of radial key-levers, a type-bar segment of short radius, a plurality of type-bars pivoted in said segment and normally cumbent in a substantially conical plane with the lowermost type-bars in practically a horizontal plane, a plurality of bell-cranks pivoted in an arc in a horizontal plane of greater radius than said segment and of lesser extent than the outermost key-levers, said bell-cranks having upwardly-extending arms bent inwardly at progressively sharper angles as they approach the outer limits of the type-action, operative connections between said type-bars and said bell-cranks, and means co-operative between said key-levers and said bell-cranks for actuating said bell-cranks.

**1,564,330. OPEN-HEARTH FURNACE.** WALDEMAR DYRSSEN, New York, N. Y. Filed June 28, 1923. Serial No. 648,253. 14 Claims. (Cl. 122—7.)



8. In combination, an open hearth furnace having means for introducing air and fuel at each end of the furnace, a boiler adapted to be heated by the waste gases from the open hearth furnace, flues connecting the ends of the furnace with said boiler and means for introduc-

ing a jet of gas or air under pressure at such a point between the melting chamber of the furnace and the boiler that a suction is created on the waste gases which are withdrawn from the melting chamber so that there will be substantially no passage of gas through the flue leading from the boiler to the end of the furnace where the fuel and combustion air enter.

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1,564,331. PROCESS FOR OXIDIZING OILS. ALFRED EISENSTEIN, Leitmeritz, Czechoslovakia, assignor of one-half to the firm Georg Schicht, A.-G., Aussig, Czechoslovakia. Filed Jan. 18, 1921. Serial No. 438,243. 6 Claims. (Cl. 87—12.)

1. Process of oxidising oils with unsaturated bonds which consists in mixing the oil with an auxiliary substance capable of congealing at the oxidation temperature, exposing the mixture to the action of an oxidising agent, and then separating the oxidised product from the said auxiliary substance by liquefying the latter.

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1,564,332. MOP. ELIAS J. ELIAS, Omaha, Nebr., assignor of one-half to Albin N. Osterholm, Omaha, Nebr. Filed Apr. 27, 1925. Serial No. 26,273. 3 Claims. (Cl. 15—150.)

1. A mop comprising a metallic loop of approximately rectangular form having a sleeve for receiving a handle, a metallic pressure-frame approximately of U-shape disposed within and having its opposed arms pivotally connected with said loop, and a pair of helical springs each being connected with said loop and an arm of the pressure-frame to normally press said frame toward a part of the loop for securing a flexible wiper between said loop and said pressure-frame.

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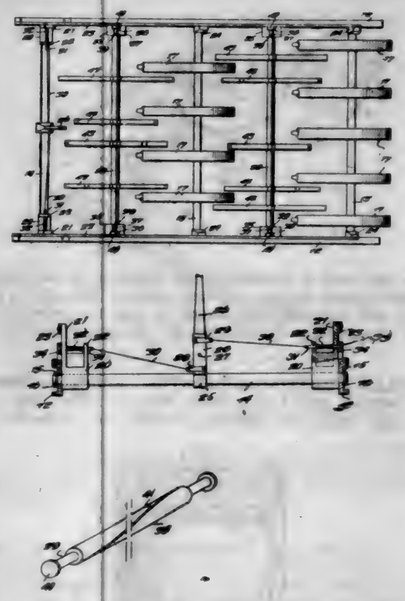
1,564,333. AGRICULTURAL IMPLEMENT. WASHINGTON J. ENGLE, Urbana, Ill. Filed Feb. 5, 1923. Serial No. 617,123. 5 Claims. (Cl. 55—104.)

1. In an agricultural tool, the combination with a frame having side members, of rock shafts journaled therein and carrying earth agitating elements, an end rock shaft journaled in the side members and having crank heads at its ends, link connections between said crank heads and the other rock shafts, a lever pivoted on the end rock shaft to swing longitudinally of said shaft, holding arcs secured to the side members alongside the crank heads, securing bolts in said crank heads adapted to engage the holding arcs, and connections between the lever and belts.

2. In an agricultural tool, the combination with a frame, including side bars, of rock shafts journaled on the side bars and carrying earth agitating implements, and rotary members journaled on the side members and having cleaning fingers that operate alongside the earth agitating implements.



4. In an agricultural tool, the combination with a frame, including side bars, of rock shafts journaled on the side bars and carrying earth agitating teeth, rotary shafts journaled on the side members and having spiral keyways, and cleaning fingers having hubs surrounding the shafts and having keys in the keyways, said fingers being adapted to successively engage the ground and thereby turn the shafts, said fingers operating alongside the teeth.

5. In an agricultural tool, the combination with a frame, including side members, of rock shafts journaled on the side members and carrying earth agitating implements, keepers carried by said side members, and rotatable cleaning fingers for the implements having gudgeons that detachably engage in the keepers.

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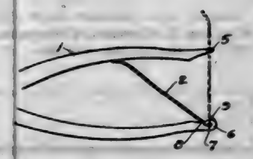
1,564,334. PLIER LOCK. ALBERT L. EWING, Seattle, Wash. Filed Feb. 20, 1924. Serial No. 694,128. 1 Claim. (Cl. 294—41.)



In a pair of pliers or the like, a strap having means therein whereby it may be caught and held over a projection, a means for pivotally holding the strap to one of the handles of the pliers, a shoulder adjacent the pivot point, which will hold the strap in such a position that it will engage the inner surface of the other one of the plier handles to resiliently hold it outward, and a projection on the end of the said latter handle to engage the strap.



1,564,335. FUSE MEDIUM. FREDERICK A. FELDKAMP, Newark, N. J. Filed Sept. 26, 1924. Serial No. 740,104. 9 Claims. (Cl. 200—135.)

1. A composite metallic fuse material consisting of a mass of metallic particles possessing relatively high specific conductivity bonded together by a low melting point metal.

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1,564,336. SALT AND PEPPER SHAKER. WALTER M. FISCHBACH, Milwaukee, Wis. Filed Sept. 19, 1923. Serial No. 663,600. 3 Claims. (Cl. 65—45.)

1. A shaker having a top provided with a circular groove, the groove having a shallow portion, the ends of which constitute stop elements, a cover pivoted on the top concentric with the groove, and a flange depending from the cover and fitting in the groove in the top, said flange having an interrupted portion passing through the shallow portion of the groove whereby to define cooperating stop elements to limit the pivotal movement of the cover, the cover and the top being provided with like drain openings.

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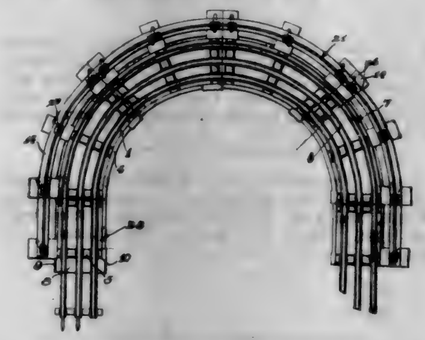
1,564,337. GUARD-RAIL STRUCTURE FOR TOY RAILWAY TRACKS. WALTER M. FISCHBACH, Milwaukee, Wis. Filed Aug. 19, 1924. Serial No. 732,973. 19 Claims. (Cl. 238—10.)



1. The combination with a toy railway track, of a guard rail extending in elevated position beside and in spaced relation to the track in position for sweeping engagement by the body of a car traveling upon the track.

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1,564,338. DROP WEIGHT FOR KNOWLES LOOMS. THOMAS F. FOLEY, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 26, 1925. Serial No. 58,730. 7 Claims. (Cl. 139—77.)

1. In a loom pattern mechanism having a harness lever and an operating connector removably attached thereto, a drop weight operating normally to hold the connector and lever in operative relation, a cup formed on the drop weight having a recess therein, a device carried by the

weight to partially cover the recess, and a rod having an enlarged portion to lie within the recess and held against removal by the device.

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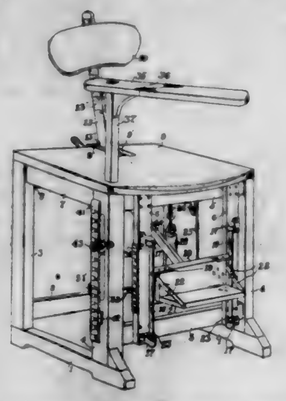
1,564,339. MEASURING CHAIR. CHELSEA C. FRASER and JOSEPHINE A. GOSS, Grand Rapids, Mich. Filed Apr. 28, 1923. Serial No. 633,935. 16 Claims. (Cl. 33—174.)



15. In a structure of the class described, the combination of a frame provided with a seat, of a footrest mounted on said frame for vertical adjustment relative to said seat, and an arm rest mounted on said frame for vertical adjustment relative to said footrest, said footrest and arm rest being provided with coacting distance indicating means, for the purpose specified.

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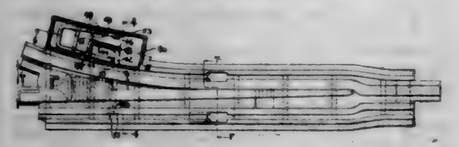
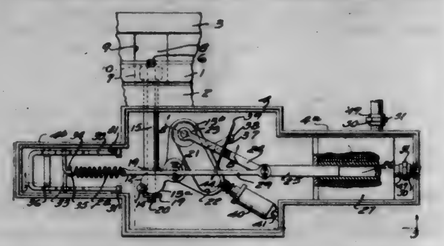
1,564,340. SWITCH AND THE LIKE. MAURICE C. GARLICK, Easton, Pa. Filed Aug. 22, 1923. Serial No. 658,696. 12 Claims. (Cl. 246—442.)



3. In railway track members, such as switches, frogs and the like, a permanent housing adapted to be carried by cross-ties or the like, having a recess in its upper surface with a flat horizontal bearing portion, a removable wearing member of high wear resisting properties having a flat horizontal undersurface and adapted to be received in said recess, and wedge means for removably holding said members in such relative position with their flat bearing surfaces in firm contact, said housing comprising side bars and cross-connecting bars cast into an integral structure.

1,564,341. ELECTRICALLY-OPERATED SWITCH. MAURICE C. GARLICK, Easton, Pa. Filed Oct. 29, 1923. Serial No. 671,514. 8 Claims. (Cl. 246—230.)



1. In an electrically operated switch, a pivoted switch tongue, a lever having an elongated slot in one arm, means for connecting the opposite arm thereof with the switch tongue, a flanged wheel in said slot, a one-throw electromagnetic device, a link connecting same with the wheel, an expansion spring connected to the electromagnetic device and adapted to be put under tension by its throw while the lever is being turned by the electromagnetic device through a partial turn, and adapted by its recoil to impart a further turning movement to the lever, whereby lateral movement of the switch tongue is completed.

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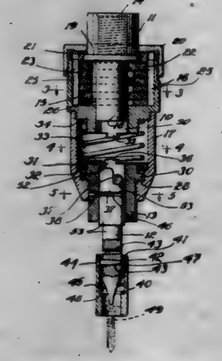
1,564,342. PORTABLE POWER-DRIVEN TOOL. JAMES J. GEBHARDT and OSCAR P. WODACK, Chicago, Ill., assignors to Wodack Electric Tool Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1923. Serial No. 622,696. 7 Claims. (Cl. 144—32.)



1. A device of the class described having, in combination, a driving member connected with a source of power, a tool-holding member slidably and rotatably mounted in said member, normally disengaged coacting clutch members on said driving member and tool holding member respectively, and resilient means positioned in said driving member to bear against said tool holding member only when it is moved inwardly for engagement of the clutch members.

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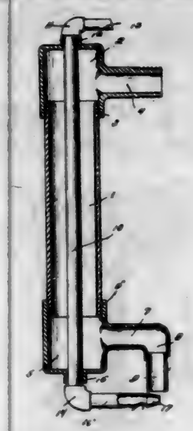
1,564,343. VACUUM OIL BURNER. WILLIAM R. GIBSON, Mansfield, La. Filed Oct. 24, 1924. Serial No. 745,648. 1 Claim. (Cl. 158—75.)

A vacuum oil burner comprising a cylindrical casing, a head on the upper end thereof, a tubular lateral extension associated with the head comprising an atomizing fluid inlet, an additional head on the lower end of the casing, a tubular extension associated with the last mentioned head and providing an outlet for the atomizing fluid, a discharge pipe in the outer end of the tubular extension providing an outlet, an oil pipe extending centrally through the casing and through said head, a



supply pipe associated with the upper end thereof, and an oil discharge nozzle on the lower end of the oil pipe, the outer end of the nozzle being disposed in communication with the outer end of the discharge pipe.

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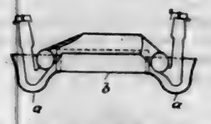
1,564,344. QUARTZ LAMP. FRITZ GIRARD, Hanau-on-the-Main, Germany. Filed Aug. 24, 1921. Serial No. 494,981. 3 Claims. (Cl. 250—34.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a quartz lamp in combination, two pole chambers, a lighting tube extending substantially longitudinally intermediate said chambers, a metal cap below each pole chamber and a protective trough permeable to ultra violet rays supported by said caps and partly surrounding said tube.

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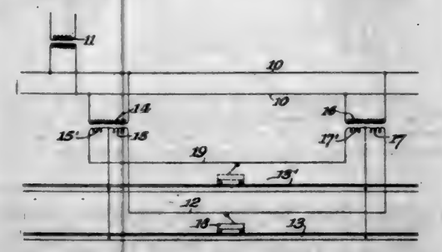
1,564,345. INTERFERENCE-REDUCING SYSTEM. PHILIP GOLDSTONE, Woodhaven, N. Y., assignor to Gibbs & Hill, New York, N. Y., a Partnership. Filed Sept. 10, 1921. Serial No. 499,811. 13 Claims. (Cl 171—97.)

11. An electrical railway system comprising a supply circuit, a distribution circuit including a trolley conductor, a track conductor and a feeder conductor, and a three-winding transformer having a single primary winding connected across said supply circuit, the junction-point of the secondary windings being connected to said track conductor and an outer terminal of said secondary windings being respectively connected to said feeder conductor and said trolley conductor, the impedances of the windings of said transformer being so related to the impendances of said conductors and to each other and the flow of currents being such that the inductive interference effect of said distribution circuit upon a parallel intelligence-communication conductor is substantially zero.



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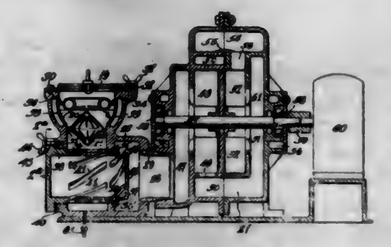
1,564,346. GAS AND VAPOR MIXER FOR HEATING FURNACES. THOMAS W. GREEN, Philadelphia, Pa. Filed Jan. 18, 1924. Serial No. 687,159. 16 Claims. (Cl. 183—106.)



1. In a mixing device for fluid with air, an inlet chamber having an adjustable air inlet opening, a fluid discharge into said chamber, a heating casing about the chamber, means for supplying preheated air for said casing adapted to discharge into the lower part of the chamber to mix the heated air with the air and vapor of the chamber, a control valve providing admission about its circumference and an exhauster adapted to draw the mixture from said chamber through said valve.

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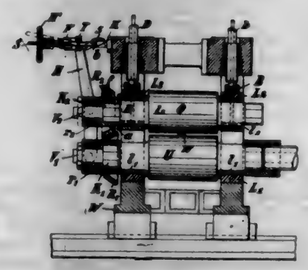
1,564,347. DRIVING MEANS FOR THE IDLE ROLLS OF ROLLING MILLS. RICHARD HEIN, Witkowitz, Czechoslovakia. Filed Apr. 13, 1923. Serial No. 631,892. 9 Claims. (Cl. 80—54.)



8. The combination in a rolling mill of a secondary or idle roll with an axially displaceable frictional bevel gear on said roll, a driving roll, a frictional bevel gear connected therewith, rings on said gears, a pair of levers pivotally connected with the rings, a cross-bar interconnecting the two levers, standards supporting the rolls, a threaded spindle attached to a standard and affording a sliding seat to the cross-bar a bracket on said standard serving as an intermediate means for connecting the spindle with the standard, a nut with a handle on said spindle, a pin and slot connection between the bracket and the spindle and a spiral spring interposed between the nut and the cross-bar substantially as described and for the purpose set forth.

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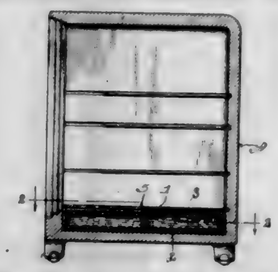
1,564,348. CONTENTS-PRESERVING DEVICE FOR SAFES. WILLIAM H. HILL, Cleveland, Ohio. Filed May 3, 1924. Serial No. 710,884. 2 Claims. (Cl. 109—8.)



1. The combination of a safe or the like having a relatively shallow receptacle beneath the contents holding compartment thereof, and a perforate partition wall therebetween, and a container of frangible material resting in said receptacle and adapted to have a liquid permanently sealed therein.

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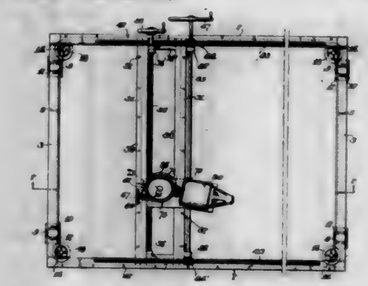
1,564,349. FLOOR-PLANING MACHINE. JOHN EDGAR HIBBS, Langhorne, Pa., assignor to Automatic Machinery and Equipment Company, a Corporation of Delaware. Filed Sept. 25, 1924. Serial No. 739,759. 4 Claims. (Cl. 144—2.)



1. A floor planing machine comprising an open frame, casters adapted to support the frame for movement over the surface to be planed, an elevating screw adjacent each corner of the frame and having a foot disposed below the frame, said screws being adapted, when suitably adjusted, to raise the weight of the frame from the casters and transfer it to their respective feet resting on said surface and to bring the frame to a horizontal position irrespective of irregularities in said surface, transversely extending ways within the frame movable longitudinally thereof, means for moving the ways, a housing slidable on the ways transversely of the frame, means for sliding the housing on the ways, a vertically extending cutter spindle rotatably mounted in the housing, means for effecting vertical adjustment of the spindle with respect to the frame, means for locking the spindle in predetermined adjusted position, means carried by the housing for driving the spindle, and a cutter mounted on the lower end of the spindle for rotation in a horizontal plane.

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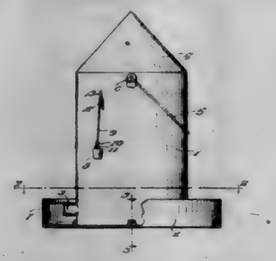
1,564,350. WATER FOUNTAIN. JOHN V. HJERTBERG, Maiden Rock, Wis. Filed May 6, 1925. Serial No. 28,455. 1 Claim. (Cl. 119—77.)

A drinking fountain comprising a pan having a bottom and an upstanding wall, a container removably seated in said pan and resting upon the bottom thereof, abutments carried by the bottom of said pan and adapted

to engage the lower end portion of said container to retain the container spaced from the walls of said pan, each abutment being formed from a strip bent intermediate its length to provide an upstanding head to engage said container and superimposed leaves constituting a shank



and secured to the bottom of said pan, an outlet spout extending from the lower end portion of said container and disposed intermediate the depth of said pan when the container is seated therein, and a removable closure for said spout.

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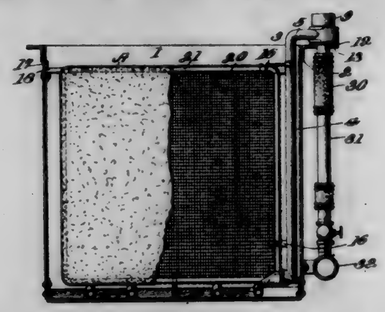
1,564,351. FILTERING APPARATUS. WERNER HORN, New Orleans, La. Filed Apr. 4, 1921. Serial No. 458,227. 4 Claims. (Cl. 210—153.)



1. A filtering apparatus including a tank, a series of filter leaves within said tank, a holder for each leaf extending along one side of the tank and forming a support for the filter leaves and having communication therewith, said holders removably supported on the tank the arrangement of the parts being such that a filter leaf and holder may be removed from the tank without interrupting the operation of the apparatus, a manifold, and valve controlled means for independently connecting each of the holders to the manifold.

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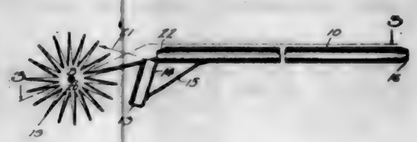
1,564,352. TOY. JENS A. JENSEN, Belden, Nebr. Filed Dec. 6, 1924. Serial No. 754,236. 1 Claim. (Cl. 46—14).

In a toy, a blowing tube, a whistle pipe formed of a section of the tube, partially severed from the tube, and bent laterally thereof, said pipe having an end wall formed of a portion of the tube partially cut away therefrom and bent to close the free end of the pipe, a pair of arms secured to the tube extending beyond the discharge end thereof in a plane perpendicular to that of the tube and pipe, inwardly bent, opposed trunnions on the ends of said arms, a wind wheel having a hub receiving said trunnions, the arms being disposed so as to mount the wheel in the plane of the tube and pipe, said wheel having triangularly shaped vanes, the inner portions of which are of least width and disposed substantially in the plane of the wheel, and the outer portions of which are of greatest width and twisted to lie in planes substantially perpendicular to the wheel, the whistle pipe being disposed at an obtuse angle to the tube, and the open end thereof being disposed in a plane intersecting the axis of the tube beyond the discharge end thereof, the tube being provided with a lip inclined toward the



open end of the whistle pipe, and the parts being so arranged that gentle blowing upon the tube will produce a current of air vibrating the column of air in the whistle pipe, and directed toward the inner portions of the vanes, while forceful blowing upon the tube will produce a current of air deflected toward the outer portions of the vanes and thereby exerting more effective action against the vanes, tending to rotate the wheel.

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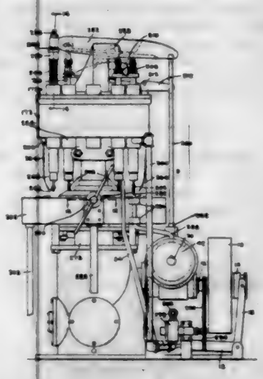
1,564,353. CHUCKING MACHINE. EDWARD E. JOHNSON, St. Paul, Minn. Filed Apr. 1, 1922. Serial No. 548,700. 11 Claims. (Cl. 29—38.)



1. A chucking machine comprising spindles in spaced relation for carrying screw-threading tools, a rotatably mounted turret, work-holding devices mounted on said turret spaced from each other the angular distance between successive threading tools, means whereby said work-holding devices are given a half rotation each time while said turret is rotated the angular distance between the successive threading tools, means for moving said turret step-by-step to bring articles held by said work-holding devices in succession underneath said threading tools, and means for causing said spindles to rotate first in one direction and then in the other.

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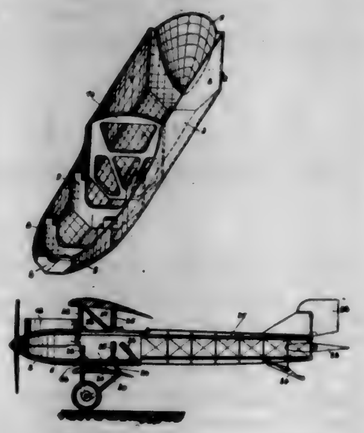
1,564,354. ARMORED AEROPLANE. HUGO JUNKERS, Dessau, Germany. Filed June 28, 1920. Serial No. 392,591. 5 Claims. (Cl. 244—30.)

1. Fuselage for armored flying machines, consisting of two parts, a substantially stream line front portion



of polygonal shape and which is composed of armor plate, and an unarmored tail portion, the armor plates



constituting the front portion being joined to each other at obtuse angles and being bent in a single direction to converge in forward direction.

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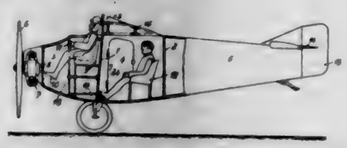
1,564,355. FLYING MACHINE. HUGO JUNKERS, Dessau, Germany. Filed Feb. 2, 1921. Serial No. 441,965. 4 Claims. (Cl. 244—30.)



1. In a flying machine of the monoplane type in combination, a supporting plane, a fuselage, a motor, a driver's seat and a compartment for the accommodation of the useful load, all disposed in said fuselage, said motor and seat substantially in front of said plane, said compartment substantially between vertical planes extending through the front and rear edges of said supporting plane, respectively, the tail of said fuselage being arranged to counterweigh said motor and a driver.

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1,564,356. ADENOTOME. ISAAC DEE KELLEY, JR., St. Louis, Mo. Filed June 4, 1923. Serial No. 643,264. 6 Claims. (Cl. 128—309.)

1. An adenotome, the distal end of which on its upper side is provided with an oblong hood rectangular in cross section and adapted to deflect, hold off, and protect tissues which are not to be disturbed, which hood is open at both ends and is adapted to leave the operative field in full view in use.

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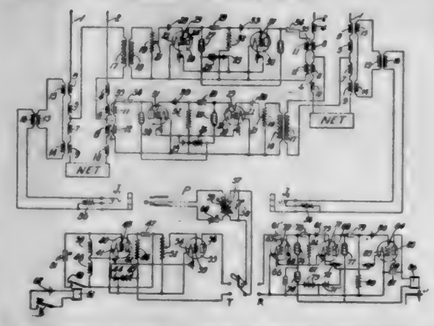
1,564,357. MONITORING SYSTEM. BURTON W. KENDALL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 5, 1919. Serial No. 321,900. 43 Claims. (Cl. 179—15.)




1. A carrier current signaling system comprising a line having coupling-coil line windings and a net circuit for balancing said line, a monitoring circuit symmetrically associated with said line windings, and carrier current signal transmitting and receiving apparatus for connection to said circuit.

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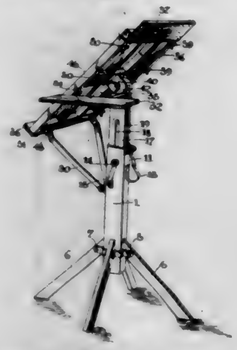
1,564,358. DRAFTING TABLE. PHILIP KLEIN, Mansfield, Ohio. Filed Nov. 28, 1922. Serial No. 603,840. 5 Claims. (Cl. 45—110.)



2. A table comprising a top, a movable pedestal having a groove, a slotted plate fitted above the groove providing a channel therebehind, means pivotally mounting the top upon the movable pedestal, bracing means extending from the top to said pedestal, a bracket to which the other end of the bracing means is pivoted having plural means moving in the slot to prevent turning of the bracket, clamping means having a head sliding in the channel and passing through to enable adjustment from the outside of the bracket, a hollow stationary pedestal receiving the movable pedestal, and clamping means for fixing relative adjustments of the two, said stationary pedestal having a slot permitting passage of the bracket should the movable pedestal be adjusted so low as to bring the bracket within the limits of the stationary pedestal.

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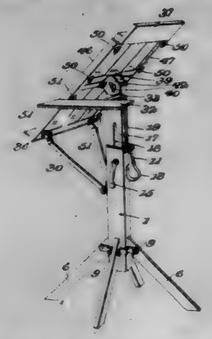
1,564,359. DRAFTING TABLE. PHILIP KLEIN, Mansfield, Ohio. Original application filed Nov. 28, 1922, Serial No. 603,840. Divided and this application filed Aug. 31, 1923. Serial No. 660,399. 3 Claims. (Cl. 45—131.)

1. A table including a top composed of a pair of frames, a pedestal, a bearing by which the top is piv-

otally mounted on the pedestal, a yoke forming part of said bearing and including flanges to engage adjacent stiles of the frames, bolts carried by one of the frames



and adapted to pass through the yoke, thumb screws on the bolts to clamp the yoke to the frames in the center of the top, and means at the ends of the frames to secure them together there.

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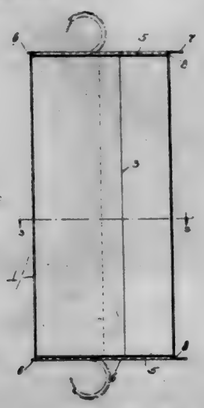
1,564,360. METAL CONTAINER. LOUIS M. KREGELIUS, Cleveland, Ohio, assignor to The United States Platers Supply Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 18, 1920. Serial No. 366,752. 2 Claims. (Cl. 220—48.)



1. A wholly removable container for slowly solidifying material comprising removable end plates, a body portion formed of a cylinder of sheet metal, of greater height than the diameter of said end plates joined to said end plates and providing an underlapped portion of substantial width, a sealing element applied to the outer edge of said cylinder along a line of the body of said cylinder spaced from the other edge, said underlapped portion being free over the remaining area thereof, whereby cutting the outer ply will free the sheet material from said contents.

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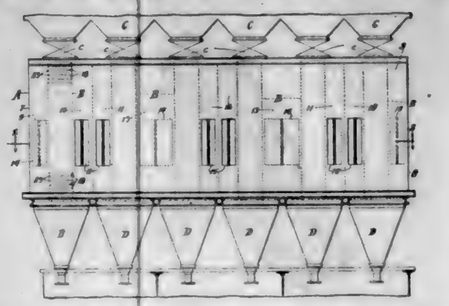
1,564,361. FUEL DRIER. HENRY KREISINGER, Piermont, N. Y., assignor to Combustion Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 3, 1924. Serial No. 741,316. 13 Claims. (Cl. 34—34.)

1. A drier for drying fuel comprising an encasing structure, a fuel inlet and a fuel outlet, heated means forming a conduit through which the fuel is passed and dividing the encasing structure into two chambers, a



gas inlet in one of said chambers, a gas outlet in the other chamber and means for setting up a current of gas through the fuel as it is being dried.

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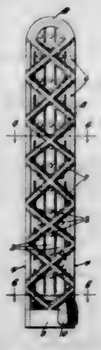
1,564,362. BURNER MANTLE. CHARLES M. LOEPVE, St. Louis, Mo., assignor to Cottonwood Fiber Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 2, 1925. Serial No. 12,598. 5 Claims. (Cl. 126—92.)



1. The combination with a radiant refractory open frame of a baffle arranged transversely of the inner portion of the frame and adjacent to the lower end thereof.

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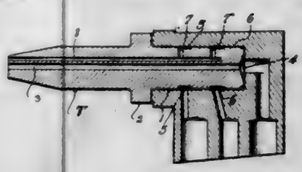
1,564,363. TORCH TIP. CHARLES A. MILLER, Covington, Ky., assignor to The Welders Supply & Mfg. Co., Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 21, 1925. Serial No. 17,299. 3 Claims. (Cl. 158—27.4.)



2. As a new article of manufacture, a tip for a cutting torch formed of one piece of material and having a central bore therethrough for the passage of a cutting gas, one end portion of the tip being insertible within the torch, said end portion being threaded and provided at longitudinally spaced points along said threaded portion with annular recesses to provide chambers when the tip is in applied position, and jet openings leading from the outer or working end of the tip, each of said chambers having ports in communication with said openings for the passage of either an oxidizing gas or a heating gas, said threaded portion at all points therealong aside from the recesses being of substantially the same diameter, the end of the bore remote from the working end being enlarged to form a chamber when the tip is applied.



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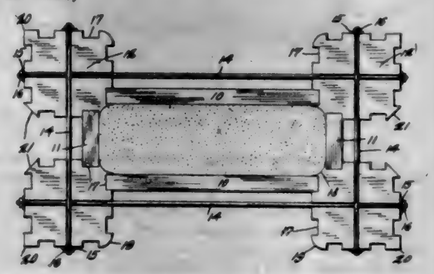
1,564,364. MOLD. SCOTT A. MORROW, Tyler, Tex., assignor of one-third to Harry Wren, Tyler, Tex. Filed Mar. 16, 1925. Serial No. 15,886. 3 Claims. (Cl. 25—121.)



1. A mold comprising side walls and end walls, corner posts detachably engaging the edges of the side and end walls and forming corners for the mold and means connecting the corner posts to hold the mold parts in position.

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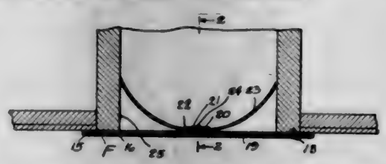
1,564,365. SCREENING DEVICE. ALFRED A. NEWNHAM, Pasadena, Calif. Filed Oct. 18, 1924. Serial No. 744,416. 2 Claims. (Cl. 126—310.)



1. A screening device comprising a frame having an opening therein, a screen in spanning relation to the opening, flanges on the frame embracing the screen for securing the latter in spanning relation to the opening, a strip extending across the opening and engaged by said flanges, said strip being slotted, a flange on the strip and an arched leaf spring extending through the slot and between the strip and flange, said flange being folded over the leaf spring and strip and secured thereto.

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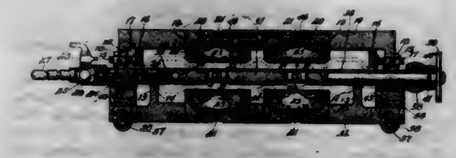
1,564,366. DIES FOR AND METHOD OF FORMING HOLLOW RUBBER ARTICLES. JOHN H. OVERTON, Trenton, N. J. Filed Mar. 19, 1924. Serial No. 700,252. 27 Claims. (Cl. 18—36.)



2. A method of making hollow rubber articles which consists in disposing between two cavitary dies two confronting sheets of stock, forcing the dies toward each other to bring the margins of the stock into air-tight engagement with each other, causing the stock to enter the die cavities by fluid pressure, disposing gas-forming material within the depression in the lower sheet of the stock while the sheets of stock are in contact with each other, and then continuing the movement of the dies toward each other to thereby bring the sheets into adhering contact at the cutter edges of the dies and cut out the article from the surplus stock.

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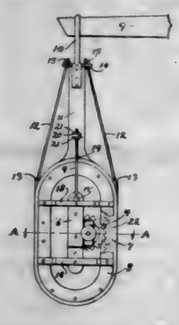
1,564,367. CONNECTION ROD FOR OIL-WELL WALKING BEAMS. WILLIAM F. REICHKE, Wichita, Kans., assignor, by direct and mesne assignments, of one-half to E. C. Meier, Wichita, Kans., and one-half to Perry A. Hoefer, Ponca City, Okla. Filed July 3, 1923. Serial No. 649,260. 2 Claims. (Cl. 74—4.)



1. A walking beam connecting rod including a rack loop, a pinion rotating by motive power and arranged within the loop, a guiding plate mounted within the loop with substantial parallelism with the rack teeth of the same and maintaining the pinion in mesh with the teeth of the said loop rack, an elongated plate carried by the pinion and provided in its edge with rollers arranged to engage the edge of the said guiding plate, said elongated plate having pivotal movement on an axis coinciding with that of the pinion, transverse supporting bars extending across and bracing the loop rack and supporting the said guiding plate, an adjusting rod connected to said guiding plate for maintaining the same in proper position with relation to the loop rack, a bar for connecting the loop rack to a walking beam and brace rods located at opposite sides of the bar and connecting the outer end of the same with the sides of the loop rack.

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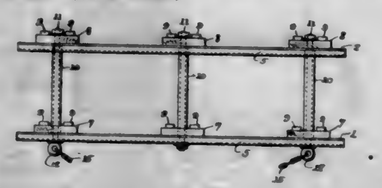
1,564,368. ROAD DRAG. THOMAS E. SHERIDAN, Shenandoah, Iowa. Filed July 17, 1925. Serial No. 44,281. 1 Claim. (Cl. 37—143.)



A scraper comprising bars, blocks on the corresponding surfaces of the bars, a tubular spacer extended through the block of one bar and abutting against the said bar, the spacer passing through the other bar and abutting against the block of that bar, a securing device extended through the spacer, and through the blocks and the bars, securing elements connecting the blocks with the bars, and blades attached to the bars and covering the securing elements at one end.

1,564,369. METHOD OF CASTING COPPER. LEONARD SHIPLEY, Dundalk, Md., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed June 20, 1924. Serial No. 721,191. 4 Claims. (Cl. 22—200.)

1. The method of casting copper shapes which comprises pouring the molten copper into open molds and immediately covering the molds closely enough to prevent free contact of atmosphere while permitting escape of the occluded gases and during a time sufficient to prevent surface oxidization, rapid cooling and sudden degasification of the copper.

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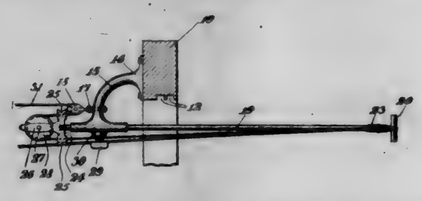
1,564,370. WASH-LINE SUPPORT. HARRY SJÖBLOM, Brooklyn, N. Y. Filed Dec. 19, 1923. Serial No. 681,459. 1 Claims. (Cl. 68—3.)



A line support comprising a bracket having a base fixed to a support, a curved arm extending from the base, and a guide head at the end of said arm disposed at a right angle to the base, a pulley block mounted on said arm adjacent the head, a rod slidable through said head, a cross handle on one end of said rod to adjust the same, means carried by said head to hold the rod when adjusted, a second pulley block carried by said rod adjacent and below said handle, an extension fixed on the opposite end of said rod, a pulley rotatably mounted in said extension, and a pair of oppositely disposed line guides formed on said extension, said guides leading a line from the first named pulley block around the pulley, thence to the second named pulley block and eventually outward in parallel with the entering portion.

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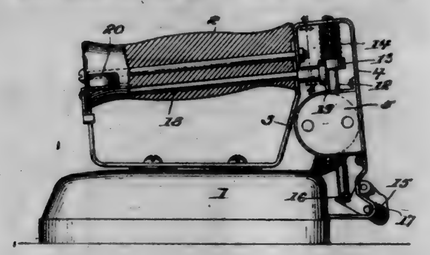
1,564,371. ELECTRIC IRON. JOHN W. SLATE and HERBERT L. MITCHELL, High Point, N. C. Filed Jan. 29, 1924. Serial No. 689,315. 1 Claim. (Cl. 219—25.)



An electric iron comprising a frame at the rear end thereof, a switch carried by the frame, a vertically arranged rod connected with the switch for actuating the same when the rod is reciprocated, a shoulder on the rod, a spring engaging the shoulder and the top of the rod for holding the rod in a position with the switch open, a plate pivoted to the frame and having a cam part engaging the bottom of the rod, a step on the plate for limiting its movement by the rod, said plate extending beyond the frame so that when the iron is supported by the frame the plate will be moved inwardly and thus raise the rod to close the switch, a rod passing through the handle of the iron, an arm on one end of said rod engaging the shoulder on the first arm and a thin finger member on the front end of the rod passing through the handle of the iron.

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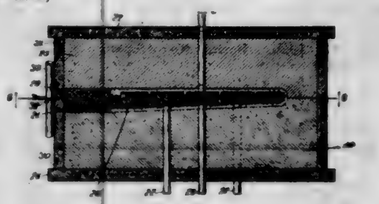
1,564,372. METHOD OF CASTING HOLLOW ARTICLES. EDWIN E. SMEETH, Chicago, Ill. Filed Dec. 22, 1924. Serial No. 757,497. 9 Claims. (Cl. 22—200.)



1. The method of casting hollow articles in a flask comprising a drag and a cope which consists in forming a mold cavity containing a core disposed horizontally, with means projecting into the hold cavity for positioning the core, turning the flask to carry the core to an upright position, withdrawing said core positioning means from the mold cavity, and making the cast with the core in an upright position.

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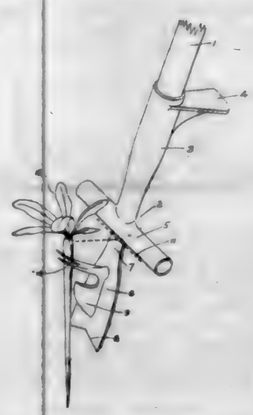
1,564,373. WEEDER. EDWARD ARCHIBALD SMITH, Vancouver, British Columbia, Canada. Filed Feb. 16, 1924. Serial No. 693,382. 5 Claims. (Cl. 25—132.)



1. A weeder comprising a blade mounted upon an operating shaft, an extracting fork extending at right angles from the blade, and a cross bar for limiting the depth of the cut of the blade.

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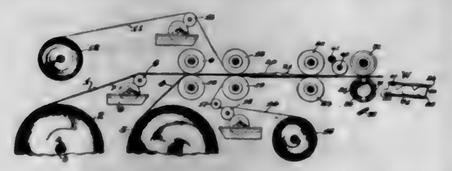
1,564,374. CORE OR WINDER FOR FABRIC STRIPS AND METHOD OF MAKING SAME. HARRY BRIDGMAN SMITH, Brooklyn, N. Y., assignor to Lightship Cloth Board Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Feb. 21, 1922. Serial No. 538,289. 15 Claims. (Cl. 93—1.)

1. A method of producing core boards on winders for fabrics, comprising advancing continuous webs of cardboard body material, bringing the webs together in facial contact, advancing continuous strips of edge-binding paper adjacent to the longitudinal edges of the combined body webs, supplying adhesive for securing the binding strips, and applying the binding strips to the combined body webs with a portion of each strip con-





cealing and smoothly overlying one longitudinal edge of the combined body webs and with marginal portions of the binding strip overlying and adhesively secured to adjacent margins of the webs.

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1,564,375. DENTAL PASTE. JOSEPH L. SMITH, Denver, Colo. Filed June 30, 1923. Serial No. 648,801. 5 Claims. (Cl. 106—6.)

1. A vehicle for temporary tooth fillings and the like comprising beeswax and a substance having the characteristics of petroleum jelly.

5. An improved dental paste consisting of beeswax 1 part, petroleum jelly 3 parts, calcined magnesia 1 part, sodium biborate 1 part, and sodium bicarbonate 2 parts.

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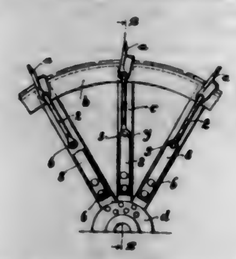
1,564,376. CLAWED DRIVING WHEEL FOR MOTOR PLOWS, TRACTORS, AND THE LIKE. ROBERT SOHNER, Vienna, Austria. Filed Mar. 3, 1925. Serial No. 12,918. 10 Claims. (Cl. 301—44.)



8. A wheel for motor plows and the like comprising a felloe, claw members adapted to be mounted on said felloe, and having lugs adapted to extend radially of the wheel and directed towards the center, apertured spokes, securing means comprising members having a portion adapted to pass through said lugs and apertured spokes and another portion adapted to extend substantially radially of the wheel and directed towards the wheel centre, and locking means comprising spring plates secured to said spokes and provided with pins at their free ends adapted to engage and hold the radially extending portions of said securing members.

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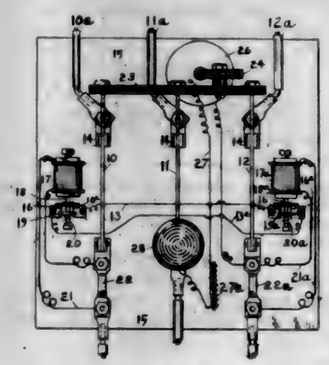
1,564,377. RELEASE FOR ELECTRIC SWITCHES OR STOPS FOR MOTORS. MILLARD COLE SPENCER, East Orange, N. J., assignor to Crocker-Wheeler Company, Ampere, N. J., a Corporation of New Jersey. Filed Nov. 5, 1920. Serial No. 421,904. 1 Claim. (Cl. 175—294.)

In a release for electric switches, a main circuit, a conductor in the main circuit having the property of increasing in resistance when heated, a relay magnet in a shunt around the conductor and the action of which is delayed by the said conductor, a self-opening switch connected with the main circuit, a holding magnet for restraining said switch from opening and having a circuit connected with the main circuit, and a normally open relay switch in shunt with the holding magnet circuit and closed by the relay magnet when the said



conductor is sufficiently heated to force enough current through the relay magnet to cause it to operate the relay switch, thereby short-circuiting said holding magnet and de-energizing it so as to release the self-opening switch.

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1,564,378. BLEACHED AND DYED FURS AND THE LIKE. HYMAN STEIN, Arverne, WILLIAM E. AUSTIN, New York, and IRVING LIBBOWITZ, Brooklyn, N. Y., assignors to Stein Fur Dyeing Co. Inc., New York, N. Y., a Corporation of New York. Filed May 3, 1924. Serial No. 710,830. 24 Claims. (Cl. 8—2.)

1. As an article of manufacture, an unbleached fur skin or the like suitable for bleaching and being impregnated with a solution of a protecting agent to protect the skin against harmful oxidation during a subsequent bleaching operation.

16. As an article of manufacture, a bleached fur skin or the like the fibres of which contain a protecting agent converted from a lower to a higher state of oxidation by hydrogen peroxide, said protecting agent having served to protect said skin from excessive oxidation under the action of the hydrogen peroxide.

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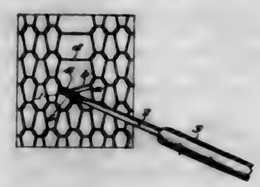
1,564,379. NEEDLE AND ITS METHOD OF USE. FRANK C. STEPHENS, Washington, D. C., assignor, by mesne assignments, to The Stelos Company, Inc., a Corporation of Delaware. Filed Sept. 25, 1923. Serial No. 664,720. 15 Claims. (Cl. 66—3.)



1. A needle having a hook and a side-guard extending in proximity to said hook.

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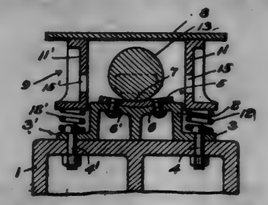
1,564,380. ROLLER SIDE BEARING. ARNOLD STUCKI, Pittsburgh, Pa. Filed June 10, 1924. Serial No. 719,071. 7 Claims. (Cl. 308—226.)

1. A side bearing for railway cars comprising a tubular floating cage having a passageway extending completely

therethrough open at both its top and bottom, a lower supporting bearing movable independently of the cage



and forming a unit supported separately from the cage, and a roller operatively engaging the said bearing and housed within the cage.

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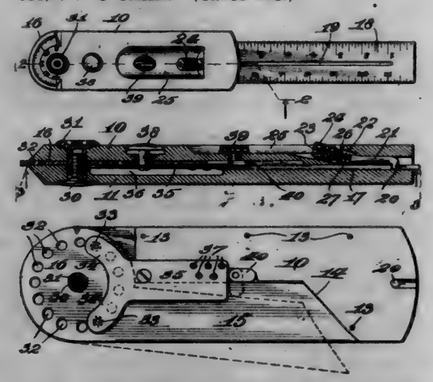
1,564,381. COMBINATION TRY-SQUARE, MITER SQUARE, AND COMPASS. SWAN O. THORELL, Los Angeles, Calif. Filed July 26, 1923. Serial No. 653,873. 8 Claims. (Cl. 33—93.)



8. In a combination tool, a body having a centrally disposed longitudinally extending pocket, a try square blade for sliding and pivotal movement at one end of said body and adapted to occupy said pocket while not in use, said body being provided at its opposite end with a slot that extends along one side of said body, a miter blade pivotally connected to the slotted end of the body and adapted to occupy the slot in the side thereof while not in use and means for locking said miter blade to said body in different adjusted positions.

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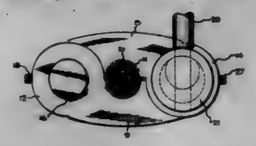
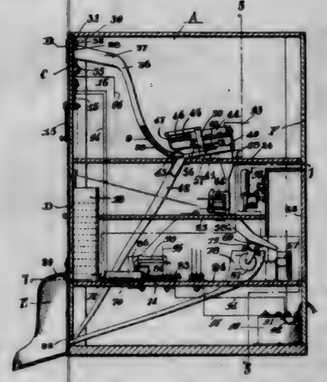
1,564,382. CLAMP. ISAACK A. TREIMAN, Seattle, Wash. Filed Aug. 14, 1924. Serial No. 731,942. 6 Claims. (Cl. 24—114.5.)



2. A clamp embodying two clamping members having interfitting lugs on both ends and having means for receiving a cable therebetween, a pivot pin extending through the interfitting lugs at one end of said clamping members and a clamping pin extending through the interfitting lugs of the clamping members at the other end, said clamping pin having an eccentric portion for drawing said two clamping members together when said clamping pin is turned.

1,564,383. COIN-CONTROLLED VENDING MACHINE. GARLAND SLATER VARCOE, Fenelon Falls, Ontario, Canada. Filed July 14, 1923. Serial No. 651,514. 16 Claims. (Cl. 194—10.)



9. In a vending machine of the character described and in combination with a suitable casing having coin slots therein adapted to receive coins of different denominations and provided with merchandise holding means and change-giving means and means for ejecting the merchandise carried in the casing and means for receiving the change and merchandise when ejected, a plurality of coin chutes connected to said slots and communicating through a series of coin detectors and with coin receiving tubes, electrically operated change-giving mechanism in combination with storage means carried in said chutes.

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1,564,384. APPLIANCE FOR SECURING CAPS ON STICKS OR THE LIKE. KONRAD FREIHERR VON THÜNGEN, Schloss Zeitlofs, Germany. Filed Aug. 3, 1925. Serial No. 47,870. 11 Claims. (Cl. 273—71.)

1. Appliance for securing caps on sticks or the like, comprising bands adapted to be placed across said cap, means for exerting tension on said bands and means for holding said bands to the sides of said cap.

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1,564,385. CONCENTRATED ENZYMIC SUBSTANCE AND METHOD OF PREPARING SAME. SELMAN A. WAKSMAN, New Brunswick, N. J., assignor to Jacques Wolf & Co., Passaic, N. J., a Corporation of New Jersey. Filed Aug. 11, 1922, Serial No. 581,236. Renewed Feb. 28, 1925. 7 Claims. (Cl. 195—20.)

1. The process of preparing an enzymic substance which comprises lixivating a fungus-impregnated culture medium, soaking in the liquid extract a fresh mass of fungus-impregnated culture medium, and drying the mixture.

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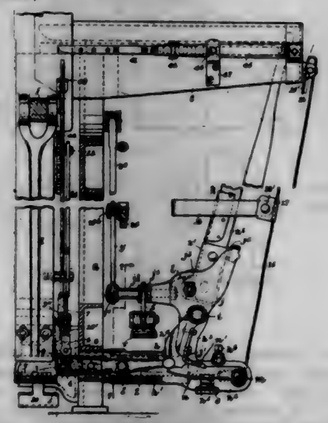
1,564,386. LOOM. WILLIAM S. WELLS, South Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 31, 1923. Serial No. 615,988. 7 Claims. (Cl. 139—145.)



7. A loom picking mechanism including a cockable spring-pressed picking member, means to hold the same cocked, means to move said mechanism to cocked position, and back and forth moving mechanism to trip the first-named mechanism including a coupling device and a device with which said coupling is engageable, said coupling being movable transversely of the path of movement of the latter mechanism so as to clear the other device and one of said devices having a notch in which the other is engageable and adapted to oppose such lateral movement of the coupling device when once engaged with the other device.

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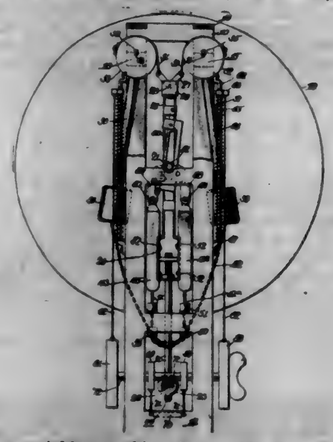
1,564,387. AUTOMATIC WEIGHING MECHANISM. JOHN W. WESLEY, Chicago, Ill. Filed Mar. 17, 1924. Serial No. 699,632. 13 Claims. (Cl. 265—62.)



1. In a weighing machine, the combination of a platform, an indicator, means for actuating the indicator when an object is arranged upon the platform, and means for controlling the actuation of the first mentioned means and indicator, and means cooperating with said controlling means which is operable after said controlling means reaches a certain position, said cooperating means including a plurality of weights of different weights which are successively brought into operation upon the action of the second mentioned means to control the actuation of said indicator.

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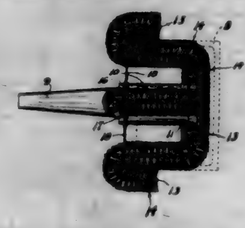
1,564,388. CLEANING BRUSH FOR BUTTER JARS. OLAF WESTVIG, Minneapolis, Minn. Filed Aug. 17, 1922. Serial No. 582,397. 6 Claims. (Cl. 15—56.)



2. A cleaning device comprising a head, means for rotating said head about a central axis, radial brush arms extending across the end of said head, said arms extending outward from said head, then being bent to extend parallel to the axis thereof, the ends of said arms being bent outward from said parallel portions.

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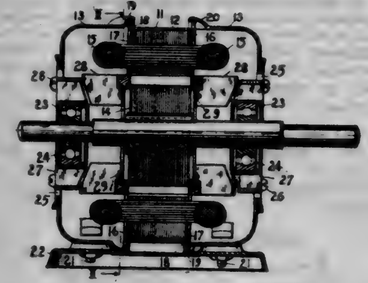
1,564,389. DYNAMO-ELECTRIC MACHINE. SCHUYLER SKAATS WHEELER, Bernardsville, N. J.; Amy Sutton Wheeler, executrix of said Schuyler Skaats Wheeler, deceased, assignor to Crocker-Wheeler Company, Ampere, N. J., a Corporation of New Jersey. Filed Oct. 12, 1922. Serial No. 593,992. 2 Claims. (Cl. 171—252.)



1. A dynamo-electric machine comprising a stator, winding-shields attached to each side of the stator by a series of bayonet-joint connections with nozzles at each bayonet-joint which are directed across the rim of the stator, and means for blowing air through the nozzles.

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1,564,390. STEAM LOCOMOTIVE AND SIMILAR VEHICLE. ROBERT HARBEN WHITELEGG, Manchester, England. Filed Feb. 3, 1925. Serial No. 6,624. 7 Claims. (Cl. 105—37.)

1. A locomotive comprising two coupled and operatively interconnected power driven units one of said units comprising a boiler and reciprocating piston engines and the other of said units comprising a steam turbine, traveling

wheels, transmission gearing for driving said traveling wheels, a condenser to which the turbine exhausts, means for coupling the two units and causing steam from either the reciprocating piston engines or boiler or both of the first unit to drive the turbine on the other unit.

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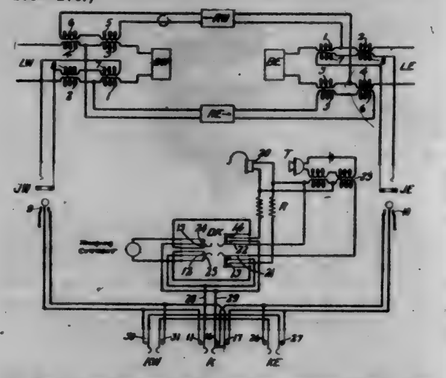
1,564,391. TELEPHONE-REPEATER MONITORING SYSTEM. RAY SETH WILBUR, Lyndhurst, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 18, 1921. Serial No. 478,494. 8 Claims. (Cl. 179—170.)



1. In a monitoring and signaling system for a telephone repeater station, said repeater station having line sections interconnected through oppositely directed repeaters, a balanced repeater coil for each of the interconnected line sections, and monitoring and signaling coils each comprising an extra winding inductively related to the line windings of said repeating coil but out of conductive relation to the line circuit, said system comprising telephone talking and signaling sets and circuit arrangements for connecting said sets to the monitoring coil of one line section or ofeach of a plurality of line sections for signaling or talking over said line section or sections.

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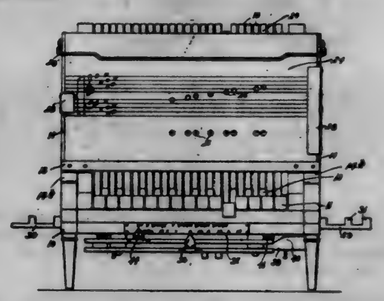
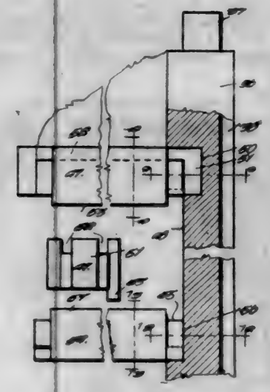
1,564,392. MECHANISM FOR TEACHING PIANO. JOSEPH H. WILLIAMS, Independence, Kans. Filed Feb. 1, 1924. Serial No. 689,951. 9 Claims. (Cl. 84—478.)



7. The combination with a piano, of a plurality of charts representing musical scales, means associated with the keys of the piano for indicating upon the charts the position of the notes of the scale played, selective means whereby all of the keys except the keys of the particular scale indicated may be locked against movement and means for controlling the selective locking means.

1,564,393. BUILDING CONSTRUCTION. DON H. YORK, Washington, D. C. Filed Sept. 19, 1924. Serial No. 738,608. 4 Claims. (Cl. 20—2.)



1. In a building structure, the combination with a set of spaced upright frame members having inner and outer grooves, certain of said members having mortices between the grooves, of substantially horizontal transverse frame members having inner and outer grooves and terminal extensions including tenons that fit in the mortices and thereby support said transverse frame members, and inner and outer panels filling certain of the spaces defined by said members and having their margins engaged in the grooves of the upright and transverse frame members.

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1,564,394. UNBURNED REFRACTORY BRICK. ROBERT YOUNGMAN, Pittsburgh, Pa., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa., a Corportion of Pennsylvania. Filed Feb. 29, 1924. Serial No. 696,105. 5 Claims. (Cl. 106—9.)

1. An unburned refractory brick composed of calcined magnesite, chrome ore, and sodium silicate.

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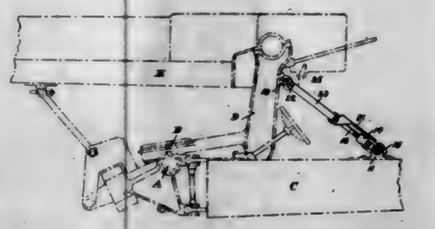
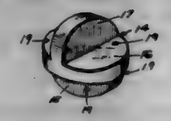
1,564,395. TRAVELING LOCK FOR GUN CARRIAGES. HARRY C. ZIMMERMAN, Washington, D. C. Filed Aug. 25, 1924. Serial No. 734,059. 6 Claims. (Cl. 89—40.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



6. A lock for gun carriages including a support, an adjusting element carried by the support, a carriage engaging element, and means connecting the carriage engaging element to the adjusting element operable to move the engaging element into and out of engaging position.



1,564,396. FUEL-SUPPORTING MEANS. NICHOLAS J. ZUBULIN, Minot, N. Dak. Filed Jan. 16, 1925. Serial No. 2,883. 2 Claims. (Cl. 126—168.)



1. The combination with a furnace embodying a fire box and its grate, of separate rolling fuel supporting elements arranged upon the grate, each element embodying a flat disk and a pair of segments secured to the opposite sides of the disk, affording segmental passages.

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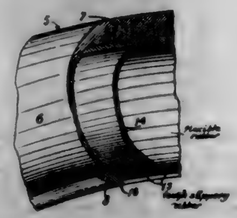
1,564,397. PNEUMATIC TUBE. GEORGE F. ARMSTRONG, Rutherford, N. J. Filed May 29, 1923. Serial No. 642,237. 2 Claims. (Cl. 152—13.)



1. An inner tube for tires including a flexible rubber tube having secured to the inner periphery so as to form an integral part thereof, a protecting layer constituting a tire flap, said flap forming layer composed solely of a homogeneous rubberized compound equally expandible both longitudinally and transversely with the tube, more resistant to abrasion than the flexible tube, being stiffer than the flexible tube and said compound containing a material which gives to the tire flap a slippery, exposed surface.

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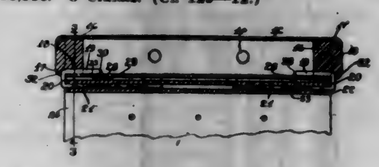
1,564,398. LOOSE-LEAF BINDER. HUBERT AUBURN, Cincinnati, Ohio. Filed Mar. 26, 1925. Serial No. 18,586. 3 Claims. (Cl. 129—12.)



1. In a device of the class described the combination of a tubular housing having a perforation therein, a hinge plate having a bore along its one edge adjacent the housing, a U-shaped hinge pin having a hook formed at the end of one arm, the said arm being received in the housing and the hook being received in the perforation in the housing, the other arm being received in the bore in the hinge plate, a plug received and frictionally held in the tubular housing, the plug and hook preventing lateral and longitudinal displacement of the hinge pin.

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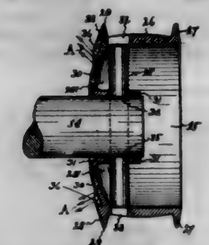
1,564,399. PULLEY. WILLIAM J. ANDREWS, East Lyme, Conn. Filed Nov. 27, 1923. Serial No. 677,264. 4 Claims. (Cl. 64—17.)

1. A combined cranking and belt pulley comprising a hub, and annular rim having peripheral flanges, and a web or imperforate back connecting said hub and rim, said web or back having an annular fluid collecting recess or pocket on its outer side between the hub and rim, said recess being adjacent to the flange and outwardly flaring and so constructed, arranged and adapted



to intercept and collect a fluid creeping up on the outer side of said web or back from the hub towards the rim and throw said collected fluid from the pulley during the rotation of said pulley.

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1,564,400. CAR COUPLER. REX G. AVERILL, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed July 29, 1924. Serial No. 728,870. 6 Claims. (Cl. 213—100).

1. A pair of coupler heads each comprising a body member and holding means for holding the heads in a coupled relation, means to yieldingly hold the said holding means in a coupled relation, engaging pulling faces on each holding means, each pulling face being provided with a transverse groove to receive means on the opposite head to limit and lock the holding means against relative lateral movement.

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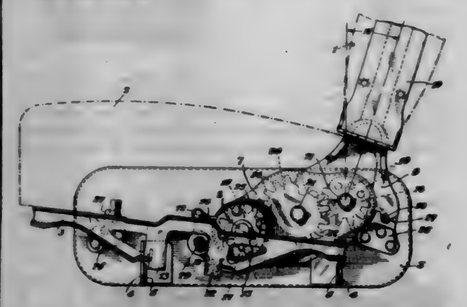
1,564,401. CAR SEAT. ALFRED B. BELL, Philadelphia, Pa., assignor to the American Motor Body Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Nov. 9, 1923. Serial No. 673,691. 6 Claims. (Cl. 155—101.)



1. In a car seat, the combination with a seat end, a reversible back standard, a shiftable seat rocker, a throw member pivotally connected with said seat end and with said back standard, and a connection between said throw member and said rocker whereby pivotal movement of

said throw member on said seat end effects shifting of said rocker, of means establishing and maintaining a bearing engagement between said seat end, said throw member and said back standard, said means comprising stationary teeth carried on said standard, stationary teeth carried on said end plate, and a member pivotally mounted on said throw member and having teeth in mesh with the said stationary teeth on said standard and seat end.

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1,564,402. BRIDGE FOR DIAPHRAGM VIOLINS. GLENN D. BOTHWELL, Springport, Mich., assignor of one-third to Guy J. Bothwell, London, Ontario, Canada. Filed Feb. 26, 1923. Serial No. 621,270. 2 Claims. (Cl. 84—296.)

1. In a stringed instrument, a sound-box having a diaphragm, strings extending across said sound-box, a bridge supporting said strings adjacent said diaphragm, a flexible support for one end of said bridge, permitting vibratory movement of the latter, and a support for the opposite end of said bridge pivotal about an axis substantially parallel to the strings and engaged with said diaphragm to impart to the latter the vibrations of said bridge.

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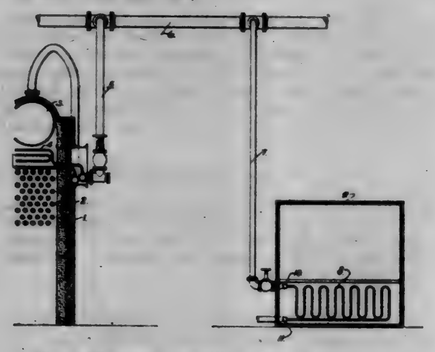
1,564,403. METHOD FOR HEATING WITH SUPERHEATED STEAM. BENJAMIN BROIDO, New York, N. Y., assignor to The Superheater Company, New York, N. Y. Filed Apr. 18, 1923. Serial No. 631,945. 4 Claims. (Cl. 237—81.)



1. The process of heating with steam, comprising superheating the steam and passing it through the heating apparatus at such velocity that the walls of said apparatus in contact with said steam are maintained in a dry state during the normal operation of the process.

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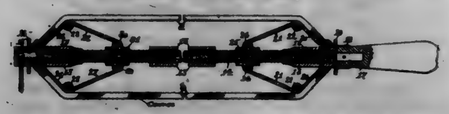
1,564,404. RAZOR STROP. FREDERIC M. BURDITT, Newton Center, Mass. Filed Mar. 13, 1922. Serial No. 543,258. 4 Claims. (Cl. 51—208.)



4. In a strop for razors, knives and like instruments, in combination, a supporting frame, an endless strap connected therewith, expansible and contractible members located on opposite sides of the supporting frame cooperating with said strap to support the material length thereof between the same, and a common actuating device carried by the supporting frame and operatively connected with said expansible and contractible members for laterally moving the strap to stretch it between said expansible and contractible members.

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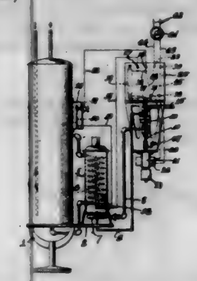
1,564,405. ELECTRICALLY-CONTROLLED GAS WATER HEATER. HERBERT W. CHRISTIAN, Detroit, Mich. Filed June 30, 1923. Serial No. 648,856. 5 Claims. (Cl. 236—33.)



5. In a water heating apparatus wherein a thermostatic switch is in an electric controlling circuit of the apparatus, and a valve is controlled by the circuit, means to prevent arcing of said thermostatic switch, said means including a thermostatic device placed in a shunt circuit by operation of said valve to prevent arcing of said thermostatic switch, said thermostatic device being operatable to break the shunt circuit after the operation of said thermostatic switch.

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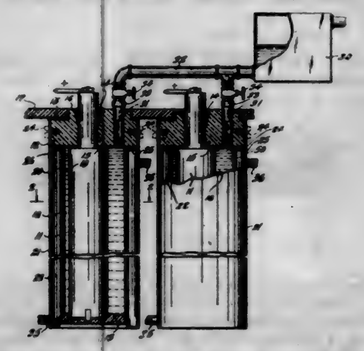
1,564,406. ELECTROLYTIC CELL. MARTIN W COWLES, Fairfield, Conn. Filed May 2, 1924. Serial No. 710,572. 16 Claims. (Cl. 204—58.)



1. An electrolytic cell comprising a plurality of individual units, each unit comprising an anode and a cathode spaced from each other, and means for feeding an electrolyte to the space between the anode and cathode of each unit independently of the other units.

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1,564,407. TYPEWRITING MACHINE. CLARENCE M. CREWS, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 8, 1923. Serial No. 672,489. 51 Claims. (Cl. 197—126.)

1. In a typewriting machine, the combination with a revoluble platen, of a carbon-carrier sufficiently flexible



to be fed around the platen with the work-webs and carbons, and arranged to be shifted in line-feed direction

relatively to the work-webs to strip the carbons from the typed form-sections.

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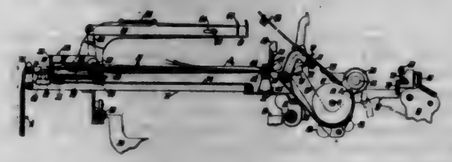
1,564,408. TYPEWRITING MACHINE. CLARENCE M. CREWS, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. N. Y., a Corporation of Delaware. Filed Nov. 15, 1923. Serial No. 674,839. 19 Claims. (Cl. 197—126.)



1. In a typewriting machine having a revoluble platen, means for presenting to the platen a composite web of work-plies and interleaved carbons, including a carbon-carrier or holder, said machine constructed to permit the straightening out of the web preparatory to stripping the carbons, a web-severing device comprising a draw knife movable transversely of the web, and a work-support, said work-support being normally out of use, but the work-support and the draw knife being brought into co-operative web-severing relation at the operation of the machine to straighten out the web.

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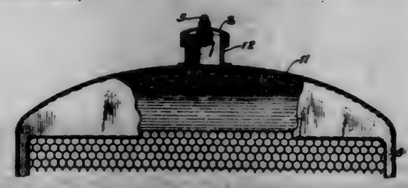
1,564,409. EMERGENCY INDICATOR FOR AUTOMOBILES. LEWIS W. EGGLESTON, Buffalo, N. Y. Filed Oct. 13, 1921. Serial No. 507,524. 19 Claims. (Cl. 116—114.)



15. A device of the character described comprising a stem, a cup member secured centrally to said stem at a lower portion thereof and extending upwardly therefrom and in spaced relation thereto, a second cup member similarly secured to an intermediate portion of said stem and extending downwardly into said first named member in spaced relation thereto, said stem having a reduced portion extending above said second named member, and a cap secured thereon, said stem and said cap having a passage therethrough forming an outlet extending from the interior of said second named member, substantially as specified.

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1,564,410. MANUFACTURING SOLID CALCIUM NITRATE. CARL EYER and ROBERT GRIESSBACH, Ludwigshafen-on-the-Rhine, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed June 29, 1925. Serial No. 40,449. 6 Claims. (Cl. 23—102.)

4. As a new article of manufacture, solid calcium nitrate containing in molecular distribution a small amount of an ammonium salt.

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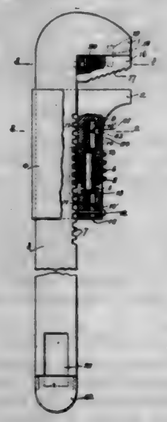
1,564,411. WRENCH. JOHN H. FONES, Oakland, Calif. Filed Oct. 6, 1924. Serial No. 742,022. 4 Claims. (Cl. 81—158.)



1. A wrench, comprising a pair of jaws, a rack-bar fixed to one jaw, a sleeve carrying the other jaw and receiving the rack-bar, said sleeve having a cutout portion therein and having longitudinal recesses in the end walls of the cutout portion, a worm in the cutout portion normally engaging the rack-bar, a rod projecting through the worm, mounted in the recesses and having lateral movement in the recesses, springs in the recesses engaging both ends of the rod and holding the worm in normal engagement with the rack-bar, said worm having interlocking engagement with one wall of the cutout portion, whereby longitudinal as well as lateral movement of the worm is required to release it from engagement with the rack and a spring normally pressing said worm into its interlocking position.

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1,564,412. NONVIBRATORY VENTILATOR CLOSURE. MILTON FRANKLE, Des Moines, Iowa. Filed Mar. 19, 1925. Serial No. 16,814. 3 Claims. (Cl. 98—22.)

1. In a ventilator closure, the combination with the cowl at the front part of an automobile, said cowl being provided with an aperture, and a collar having an upright, laterally grooved wall and mounted on the cowl outwardly of the margin of said aperture, of an elastic ring removably mounted in said groove and held therein by its inherent elasticity, and a hingeably mounted lid

having a downwardly projecting, endless flange and adapted to be swung downwardly to dispose its flange outwardly of said groove into close engagement with the

outer circumferential side of said elastic ring, to prevent admission of air and the rattling of the closure by either lateral or vertical movement of the flange against the collar.

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1,564,413. PROCESS OF ELECTROPLATING METALLIC CADMIUM AND ELECTROLYTIC BATH THEREFOR. CLAYTON M. HOFF, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 17, 1924. Serial No. 686,898. 11 Claims. (Cl. 204—1.)

1. Process of electrodepositing cadmium which comprises preparing an alkaline solution containing a compound of cadmium, a compound of ammonia and a cyanide and electrolyzing said solution.

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1,564,414. CADMIUM PLATING. CLAYTON M. HOFF, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 6, 1924. Serial No. 742,073. 12 Claims. (Cl. 204—1.)

1. A composition adapted for use in the electrodeposition of cadmium comprising a cadmium compound, a material which tends to prevent the co-plating of zinc with cadmium, an alkaline agent, a cyanide, and a material which tends to improve the quality of cadmium platings.

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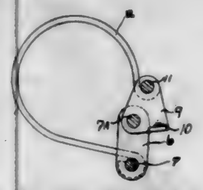
1,564,415. FASTENING DEVICE FOR SHIELDS. HARRY HOISINGTON, Davenport, Iowa. Filed Nov. 22, 1924. Serial No. 751,719. 10 Claims. (Cl. 89—36.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

9. In combination with a main shield for guns, a top shield foldable thereon, and a fastening device for holding the top shield raised when in one position of adjustment and lowered when in another position of adjustment.

1,564,416. SHACKLE FOR SPRINGS. WILLIS L. HOLLOWAY, Cleveland, Ohio, assignor, by mesne assignments, to The Union Trust Company, trustee, Cleveland, Ohio. Filed Aug. 11, 1924. Serial No. 731,377. 12 Claims. (Cl. 267—46.)



6. A shackle for automobile springs comprising an anchor, a link pivoted thereto and spring means carried solely by the said anchor and said link to resist pivotal movement of the link with respect to the anchor.

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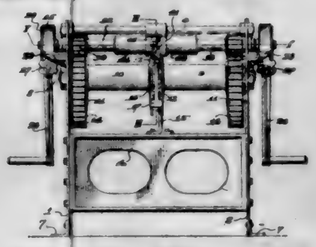
1,564,417. WINCH. DAMASE JACQUES, Detroit, Mich. Filed Aug. 28, 1923. Serial No. 659,067. 7 Claims. (Cl. 254—184.)



1. A winch comprising a frame work, drums in said frame work, said drums having confronting braking heads, a driving mechanism for said drums, said driving mechanism including independent shafts and a clutch mechanism by which said shafts may be operated in synchronism, and a brake lever operatable between said drum heads and adapted to contact therewith.

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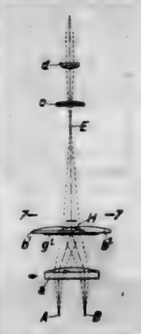
1,564,418. DOUBLE-IMAGE MICROSCOPE. ALBERT KÖNIG, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed Mar. 19, 1924. Serial No. 700,373. 9 Claims. (Cl. 88—39.)



1. In a microscope for measuring distances optical means adapted to produce an image of each of the extreme points of the distance to be measured, means adapted to alter the distance apart of the two images in a direction parallel to the said distance, means adapted to separate from the rays, emerging from the said extreme points, such rays that the principal rays of the two pencils formed thereby emanate in parallel to each other from the said extreme points and perpendicular to the direction of the said distance, and an indicating device adapted to indicate the distance apart of the said two images in a direction parallel to the said distances.



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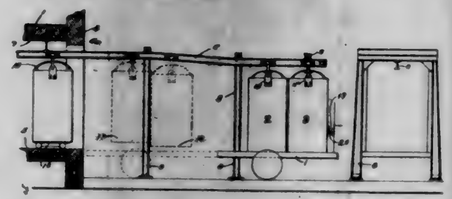
1,564,419. METHOD AND APPARATUS FOR TRANSFERRING CONTAINERS. HENRY W. KIRCHNER, St. Louis, Mo. Filed Jan. 27, 1922. Serial No. 532,245. 8 Claims. (Cl. 214—38.)



1. In an overhead carrier device, a track, a trolley thereon, load suspending elements on said trolley, and a load engaging bracket rigid with said trolley and adapted to contact with a load at spaced points to prevent tilting of the latter relative to said trolley.

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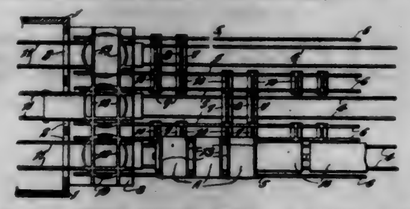
1,564,420. FREIGHT-HANDLING SYSTEM. HENRY W. KIRCHNER, St. Louis, Mo. Filed June 6, 1923. Serial No. 643,728. 36 Claims. (Cl. 214—38.)



1. In a freight transfer system, a carrier, freight containers adapted to be carried thereby, and a series of tracks crossing each other and located above the height of the carrier floor, said containers being provided with caster-like members for moving over said tracks.

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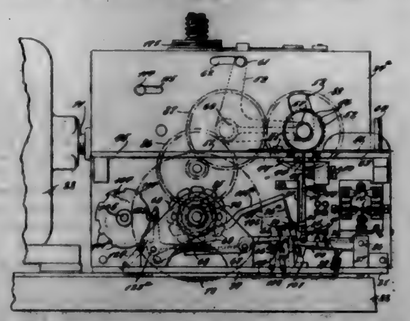
1,564,421. PRINTING TELEGRAPH. EDWARD E. KLEINSCHMIDT, Brooklyn, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Filed Dec. 22, 1920. Serial No. 432,564. 9 Claims. (Cl. 178—23.)



1. The combination with a telegraph printer, of a selector, means for controlling said selector, responsive to line impulses and including a plurality of movable members and a rotatable member cooperating with said movable members and arranged to permit them to move successively, and additional means operating in response to a line impulse of one characteristic to restrain said members and in response to a line impulse of a different characteristic to permit movement of said members, said selector comprising electro-magnetic devices and contacts controlled by said members and, in turn, controlling said electro-magnetic devices.

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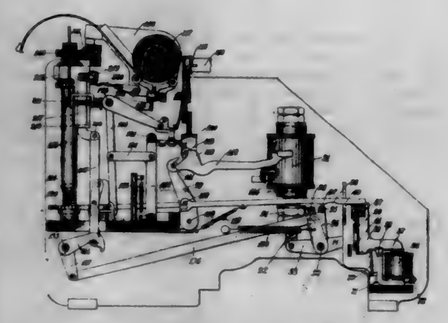
1,564,422. PRINTING TELEGRAPHY. EDWARD E. KLEINSCHMIDT, Brooklyn, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Filed Jan. 21, 1922. Serial No. 530,880. 96 Claims. (Cl. 178—27.)



1. The combination with selector magnets, of a controlling magnet, and means controlled by said selector magnets for preventing operation of the armature of said controlling magnet.

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1,564,423. MANUFACTURE OF BENZANTHRONE DERIVATIVES. ARTHUR LÜTTRINGHAUS and HUGO WOLFF, Mannheim, and HEINRICH NERESHEIMER, Ludwigshafen-on-the-Rhine, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Apr. 26, 1923. Serial No. 634,848. 5 Claims. (Cl. 260—61.)

1. In the manufacture of benzanthrone derivatives, converting a benzanthrone compound into condensation products (which are not vat coloring matters) by treating the benzanthrone compound with an alkaline condensing agent at a more moderate temperature than that leading to vat coloring matters.

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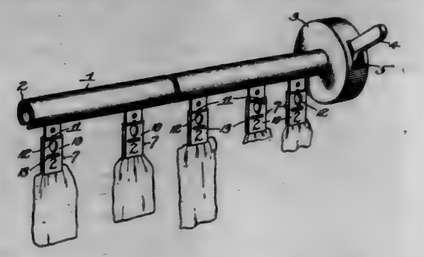
1,564,424. CLASP. JOSEPH H. LYNCH, Asbury Park, N. J. Filed Feb. 7, 1925. Serial No. 7,551. 3 Claims. (Cl. 29—260.)

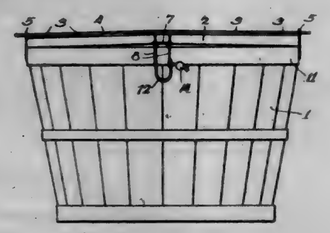
1. A clasp formed of two equilateral rectangular legs spring-hinged together at one end, and a slidable locking piece guided on one leg and having turned-in flanges adapted to engage under projections on the other leg when in locked position, both the legs having orifices presenting a free opening through the clasp.

1,564,425. LAUNDRY TAG AND HOLDER. JOSEPH H. LYNCH, Asbury Park, N. J. Filed June 24, 1925. Serial No. 39,287. 7 Claims. (Cl. 40—19.5.)



7. In apparatus for assembling laundry, the combination of identification tags having an enlarged end, a tag holder comprising an inner and an outer tube both slotted at the lower portion and adapted to form an opening narrower than the extended end of the tag when in one position and to allow the opening to be increased so as to permit the enlarged end of the tag to pass freely through the slots in the tube when in another position.

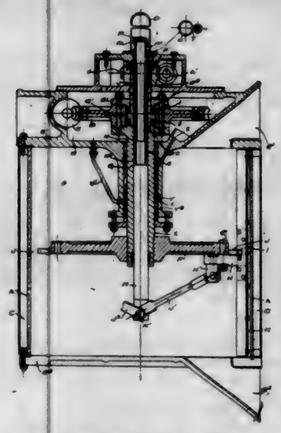
1,564,426. COVER FASTENER. EDWARD FRANCIS MCGARVEY and OLIVER MATTHEW JAMES, Dayton, Tenn. Filed July 21, 1924. Serial No. 727,126. 12 Claims. (Cl. 217—124.)



1. A basket and cover therefor, handles for the basket, means for engaging said handles to hold the cover down, and securing devices applied to the outer edges of the cover and the rim of the basket at opposite sides between the two handles, said devices being separately attachable to the basket and cover, so that the device at one side is independent of the device at the other side, so that said devices are applicable to baskets of different sizes, comprising means which are adjustable to the cover when upwardly bulged or separated from the rim of the basket, adapted to permit forcible depression of the two sides of the cover, after said devices are applied thereto, and adapted to be bent into shape to hold the cover in its forcibly depressed position at opposite sides thereof.

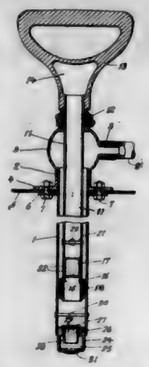
1,564,427. GRINDING, REFINING, AND MIXING MACHINE. JOHN MCINTYRE, Portobello, Midlothian, Scotland, assignor of one-half to James Milne and Son Limited, Edinburgh, Scotland. Filed Feb. 18, 1924. Serial No. 693,686. 8 Claims. (Cl. 83—4.)

1. In a grinding and mixing machine a cylinder, a tubular shaft mounted in a bearing in the cylinder and having a wheel arranged in the cylinder, a spindle longitudinally movable in the bore of the tubular shaft, a free ring on said wheel and in said cylinder, rockers pivotally mounted on said wheel and provided with pins which are slidable in radial slots with which the free ring is provided, and pivotally connect the rockers to said ring, grinding elements on said rockers arranged to engage the inner periphery of the cylinder, connections between the rockers and the spindle, means to rotate



the tubular shaft with its wheel and rockers, and means to longitudinally adjust the spindle to thereby adjust the grinding elements with respect to the inner periphery of the cylinder.

1,564,428. PUMP. PETER GRAHAM MACGREGOR, Pequannock, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J., a Corporation of Delaware. Filed June 26, 1922. Serial No. 570,894. 3 Claims. (Cl. 103—178.)



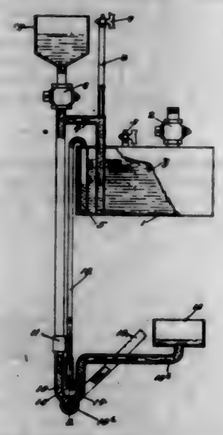
1. A pump comprising a cylinder having an inlet end provided with an inlet aperture, a valve for said aperture, a piston arranged within said cylinder, a hollow piston rod having an open end secured to and projecting through said piston and provided with a port leading from the interior of said rod to the active piston area of said cylinder for establishing communication between the inlet end of said cylinder and the active piston area of said cylinder through said piston, and a reciprocatory one-way valve arranged within said piston rod and adapted to move longitudinally thereof to open said port when said piston rod is moved in one direction whereby communication between the inlet end of said cylinder and the active piston area is established through said port and said open end of said rod and to close said port when said piston rod is moved in an opposite direction whereby communication between the inlet end of said cylinder and the active piston area is severed.



1,564,429. OVERSHOE AND PROCESS OF MANUFACTURING THE SAME. WARREN MACPHERSON, Cambridge, and ERNEST W. DUNBAR, Hudson, Mass., assignors to Cambridge Rubber Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Apr. 28, 1924. Serial No. 709,368. 4 Claims. (Cl. 36—45.)

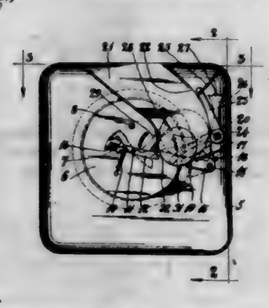
1. An overshoe of the arctic type comprising a rubber bottom and a cloth upper, said upper including outer and inner plies of fabric secured together, fastening means secured between said plies at one of the front edges of said upper to facilitate the fastening of the shoe about the ankle of the wearer, and a binder protecting the edge of one of said plies, the edge of the other ply being located slightly inside of the bound edge of the first ply.

1,564,430. DEVICE FOR MAINTAINING LIQUID LEVELS. WALTER J. MADORELL, Minneapolis, Minn. Filed Jan. 30, 1925. Serial No. 5,802. 16 Claims. (Cl. 137—68.)



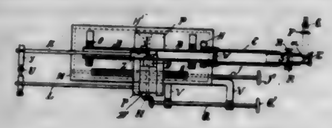
1. The combination with a liquid-containing supply tank, of a siphon connected thereto and having a long leg depending therefrom, a trap to one side of which the long leg of said siphon is connected, and a liquid receptacle connected to the other leg of said trap, said trap containing a liquid that is heavier than the liquid contained in said supply tank and discharged therefrom through said siphon.

1,564,431. COIN-CONTROLLED CLOCK. CHARLES MALOUF and NICHOLAS MALOUF, Chicago, Ill. Filed Nov. 25, 1921. Serial No. 517,576. 3 Claims. (Cl. 194—61.)



1. In a coin controlled clock, a casing, a winding shaft, a spring tensioned latch for normally preventing the turning of the winding shaft, a coin chute, a movable stop member disposed in alinement with said coin chute for receiving a coin, a pivoted arm arranged to forcibly engage the coin and to cause the movement of the stop member, whereby the coin is brought into engagement with the latch, and cooperating means connected with said arm and said latch for causing a further movement of the latch as said arm is moved.

1,564,432. DEVICE FOR TESTING GUN BARRELS AND THE LIKE. ADOLF MARCUSE, Berlin-Charlottenburg, and HERMANN WANSCHAFF, Berlin, Germany, assignors to the Firm "Pag" Aktiengesellschaft für Industrie und Technik, Basel, Switzerland. Filed Aug. 24, 1921. Serial No. 494,787. 7 Claims. (Cl. 88—14.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A device for testing gun-barrels and like articles comprising a mirror adjustable lengthwise in the barrel, an eye-piece arranged exteriorly of the barrel in such a position as to permit the interior of the barrel to be inspected, means for throwing rays of light into the interior of the barrel and against said mirror, and a stationary examination mark located between said eye-piece and said mirror.

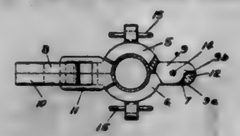
1,564,433. GAS-PURIFYING COMPOSITION. ROSCOE P. MASS, Wilkinsburg, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 2, 1922. Serial No. 565,429. 2 Claims. (Cl. 252—2.)

1. A composition for removing ammonia from gases, comprising activated charcoal impregnated with an anhydrous copper salt.

1,564,434. CASING ELEVATOR. ELMER R. MAXWELL, Bradford, Pa. Filed Sept. 18, 1924. Serial No. 738,394. 4 Claims. (Cl. 294—90.)

1. A casing elevator comprising a pair of curved jaw members of corresponding heights, a transversely apertured hinge forming extension projecting directly from

the curved portion of one jaw, a hinge forming extension on the other jaw passing through the aperture in the extension of the first and having a projecting tongue for



engagement with a portion of the first extension, a pivot passed through said extensions, and means for detachably connecting the other ends of the jaws.

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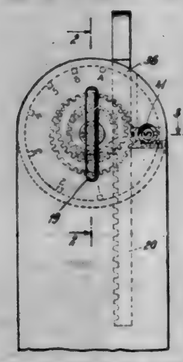
1,564,435. FILM WINDING AND STOP MECHANISM. JAMES A. MAY, Astoria, N. Y. Filed Mar. 24, 1922. Serial No. 546,256. 41 Claims. (Cl. 242—71.)



5. In film feeding mechanism, a take up spool, a stem connected thereto, a plurality of independently operable means for rotating said take up spool, and means driven by and surrounding said stem for automatically arresting the rotation of the spool when lengths of film such as the lengths required for successive exposure have been wound thereon.

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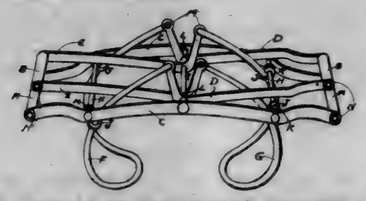
1,564,436. SACK TONGS. CALVIN A. MESSINGER, Lanark, Ill., assignor of one-half to Edward S. Nicholas, Lanark, Ill. Filed May 12, 1924. Serial No. 712,655. 12 Claims. (Cl. 294—16.)



1. A device of the class described, comprising a frame having a handle at each end, two pairs of movable L-shaped levers which oscillate on a central transverse rod of said frame, and two U-shaped jaws pivotally hung from the end of the shorter leg of said levers, the jaws extending below the frame.

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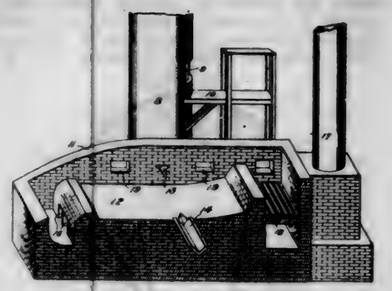
1,564,437. PROCESS OF MAKING MALLEABLE-IRON CASTINGS. WILLIAM J. MILES, Jr., Middletown, Ohio. Filed Jan. 10, 1920. Serial No. 350,665. 3 Claims. (Cl. 75—27.)

2. The process of refining iron in the manufacture of malleable iron castings which comprises melting the impure iron and removing certain of the impurities in a cupola, causing the molten iron to run from the cupola



directly upon the hearth of an air furnace striking the same in a fine stream, at the same time excluding the atmosphere from contact with said stream of molten iron.

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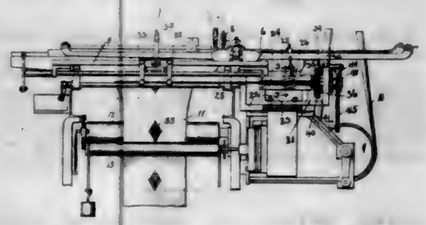
1,564,438. ATTACHMENT FOR KNITTING MACHINES. JOHN MULLER, Brooklyn, N. Y. Filed Oct. 20, 1923. Serial No. 669,832. 7 Claims. (Cl. 66—12.)



1. In combination with the yarn carriers and operating mechanism of a knitting machine, yarn carrier stoppers, a pair of parallel connecting rods attached to each of the stoppers, a single right and left hand threaded rod having blocks movable thereon connected to each of the said rods, and means cooperating between the threaded rod and the operating mechanism to actuate the blocks and the connecting rods at predetermined intervals and space the yarn carrier stoppers during the operation of the machine.

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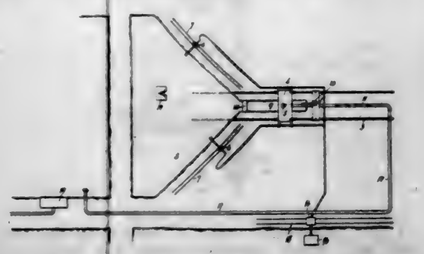
1,564,439. METHOD AND APPARATUS FOR THE WORKING OF PEAT BOGS AND THE LIKE. MARIUS IB NYEBOE, Copenhagen, Denmark. Filed July 13, 1925. Serial No. 43,429. 10 Claims. (Cl. 37—3.)



1. A method of working peat bogs or the like, comprising the steps of sinking a pile bridge into the bog; excavating the peat at opposite sides and in front of such bridge; and moving along said bridge machinery for withdrawing the excavated peat.



1,564,440. COLLAPSIBLE-TUBE HOLDER. CHESTER A. PERKINS, South Bend, Ind. Filed May 14, 1924. Serial No. 713,267. 8 Claims. (Cl. 221—60.)

1. A collapsible tube holder comprising a frame, oppositely disposed spring arms carried by said frame, a yoke slidably mounted on said spring arms, inwardly extending gripping jaws carried by the lower ends of the spring arms and adapted to grip opposite sides of the discharge spout of a collapsible tube, and means for supporting said frame.

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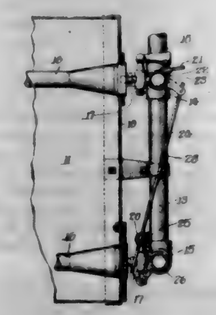
1,564,441. SAFETY DEVICE FOR GAS RANGES. GEORGE E. PICKUP, Newark, Ohio, assignor to The Wehrle Company, Newark, Ohio, a Corporation of Ohio. Filed July 5, 1924. Serial No. 724,238. 6 Claims. (Cl. 126—42.)



1. A gas oven having, in combination, an oven chamber, upper and lower burners, valves therefor, two feed pipes for said burners located respectively adjacent the valves, two stop plates mounted for swinging movement respectively about the axes of said pipes, and means connecting said stop plates and adapting them for simultaneous movement, the arrangement being such that when either valve is in open position the other stop plate is positioned so as to hold its valve in closed position.

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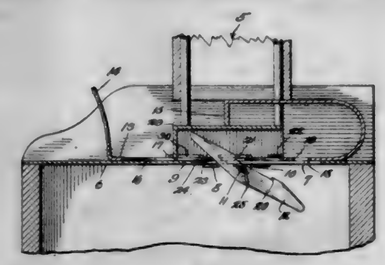
1,564,442. VENDING MACHINE. SAMUEL E. PURDUM, Macomb, Ill. Filed May 25, 1925. Serial No. 32,800. 1 Claim. (Cl. 194—93.)

In a check-control device, a base plate, an ejector plate slidably mounted on the base plate and having a coin receiving opening, a locking arm pivotally supported under the base plate, the ends of said arm adapted to engage



the ejector plate to restrict movement thereof, and said locking arm adapted to be moved to its inactive position by a coin carried by the ejector plate.

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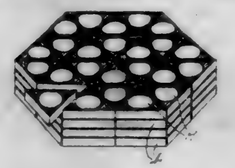
1,564,443. GAME. THERESA F. RABOLD, Montclair, N. J. Filed Apr. 23, 1925. Serial No. 25,423. 6 Claims. (Cl. 273—137.)



1. A game comprising a plurality of pieces each having three spaces defined thereon, and said spaces each having means therein to indicate one of the four principal activities of life.

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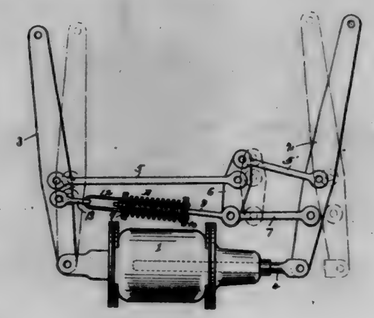
1,564,444. GOLF-CLUB SHAFT. MILTON B. REACH, Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Aug. 4, 1924. Serial No. 730,012. 2 Claims. (Cl. 273—80.)

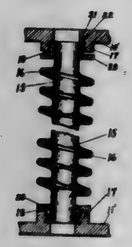
2. A golf club shaft comprising a series of sections extending longitudinally of the shaft, and having their meeting edges in convergent planes, and glued together, said shaft having a bore extending axially thereof, and a compressible filling of fibrous or textile material in said bore, and upon which the inner parts of the sections bear and by which it is radially compressed in assembly, substantially as described.

1,564,445. SLACK TAKE-UP AND BRAKE-RELEASE MECHANISM. CHARLES H. READ, Pittsburgh, Pa. Filed June 15, 1922. Serial No. 568,473. 11 Claims. (Cl. 188—198.)



5. A slack take up and brake release mechanism for railway vehicles, comprising a primary and a secondary set of levers, a connecting element divided into two parts, the said parts being arranged on different horizontal planes.

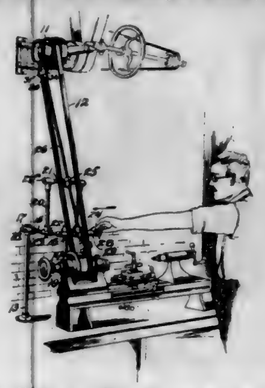
1,564,446. RADIATOR. HARRY E. RHOADS, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 6, 1919. Serial No. 269,898. 4 Claims. (Cl. 257—129.)



1. In a device of the class described, in combination, an upper and a lower header of a radiator, a seat formed in the bottom wall of said upper header and a second seat formed in the top wall of the said bottom header, annular screw threaded projections surrounding said seats, a radiating tube extending between said headers and adapted to be placed in communication therewith at either end, and a lateral flange formed on each end of said radiator tube and adapted to bear against its adjacent header, and a union or nipple surrounding said tube at either end thereof and provided with screw-threaded means to engage the corresponding projection to bind said flange against said seat, said tube being formed throughout a substantial portion of its length with peripheral corrugations of a depth sufficient to permit the tube to be contracted to clear one of said annular projections.

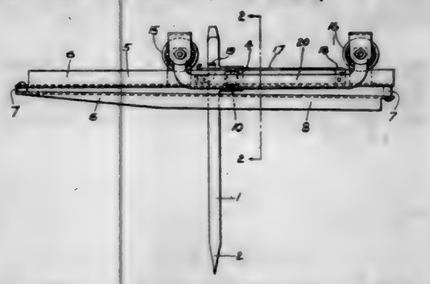
1,564,447. BELT SHIFTER. ROBERT E. RICHTER, Newark, N. J. Filed Apr. 7, 1924. Serial No. 704,594. 1 Claim. (Cl. 64—4.)

A belt shifter comprising a stand formed of posts, a horizontal U-shaped frame secured to the posts and adjustable vertically and horizontally thereon, a vertical U-shaped frame secured to the horizontal frame, slides on the cross arms of the U-shaped frames, a rod se-



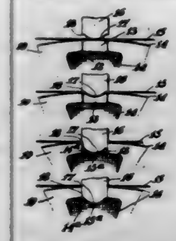
cured in the slides, a collar on each end of the arm and having a limited rotation on the rod and a belt engaging loop on each collar.

1,564,448. SAW GUIDE. LAURENT ROGET, Stave Falls, British Columbia, Canada. Filed Nov. 6, 1924. Serial No. 748,147. 7 Claims. (Cl. 143—163.)



7. A device of the character described comprising a saw support, means carried by said support for guiding the movement of a saw blade thereon, means pivotally connected with said support for attaching same to the trunk of a tree, and a spring connected between the support and the attaching means at the said pivot and serving to resist turning movement of the support in either direction with respect to the attaching means.

1,564,449. SECURING ARMATURE COILS. GORDON B. SAYRE, Syracuse, N. Y. Filed Nov. 29, 1924. Serial No. 752,898. 6 Claims. (Cl. 171—206.)

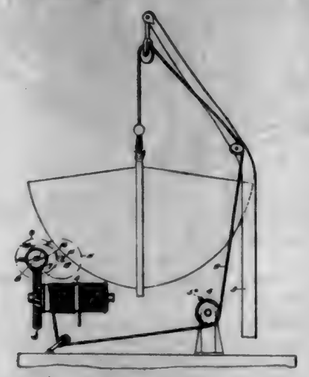


1. The combination with an armature having recesses with peripheral throats narrower than the recesses, of coils in said recesses, and insulating strips



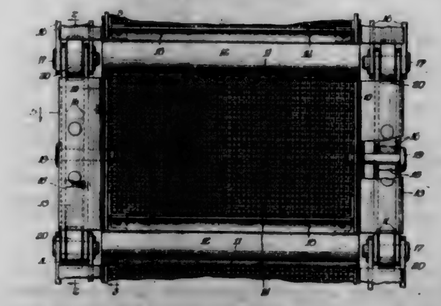
extending the full length of the throats and overlapping the inner walls thereof so as to lie between the coils and the outer recess walls thereby sealing the throats for their full length.

1,564,450. DAVIT. ANE P. SCHAT, The Hague, Netherlands. Filed Dec. 26, 1919. Serial No. 347,638. 4 Claims. (Cl. 9—22.)



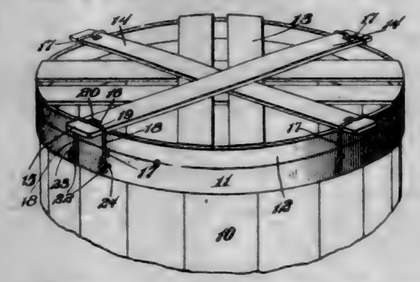
1. In a device of the character described, a davit having a rope; a boat connected to the outer end thereof; a drum for the hauling end of the rope; and a member supported on the deck of the ship at a point in the path of the rope between the davit and the drum, said member having a friction surface with the hauling part of the rope passed around said surface and held in frictional engagement therewith by the tension in the rope, said member having freedom of rotation in the direction of the travel of the rope when the rope is wound upon the drum, and having means for locking it against rotation in the opposite direction; whereby to automatically introduce frictional resistance in the part of the rope between the davit and the drum during the outward movement of the rope from the drum, and to permit the free movement of the rope as it is wound upon the drum.

1,564,451. TRAVELING SCREEN. BERNHARD SCHROEDER, Chicago, Ill., assignor to Sargent & Lundy, Incorporated, Chicago, Ill., a Corporation of Illinois. Filed Dec. 26, 1924. Serial No. 758,047. 4 Claims. (Cl. 210—174.)



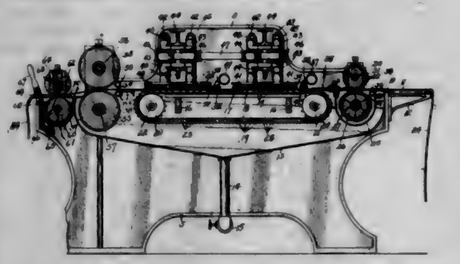
1. A traveling screen comprising a pair of spaced double-linked chains, a row of frames disposed between the chains, screens on said frames, and means for securing the screens on the frames and for securing the screens and the frames to the chains comprising bars having outwardly extending flanges on the ends of the screens which flanges lie against the lateral edges of adjacent pairs of links, attaching members secured to the flanges and disposed between the links, and pins passing through said members and both links of each double-link for rigidly but detachably securing the screens to the chain links.

1,564,452. VEGETABLE OR FRUIT BASKET. EDWARD M. SEIFERT, Rutherford, N. J. Filed Feb. 7, 1925. Serial No. 7,667. 4 Claims. (Cl. 217—124.)



1. In combination with a basket and a top therefor, the top including a diametrically extending brace the ends of which project beyond the sides of the top and are provided inwardly of the outer wall of the top with openings, retaining elements for the top comprising U-shaped elements arranged at diametrically opposed points upon the basket and having the ends of the arms thereof pivotally connected with the basket and the bights thereof adapted to seat upon the upper surface of said cross braces, said bight portions having formed thereon a hook for engagement in the adjacent opening of the cross braces.

1,564,453. RUG-CLEANING MACHINE. PASCAL J. SHAMPAY, Chicago, Ill. Filed Mar. 18, 1920. Serial No. 366,926. 12 Claims. (Cl. 15—40.)

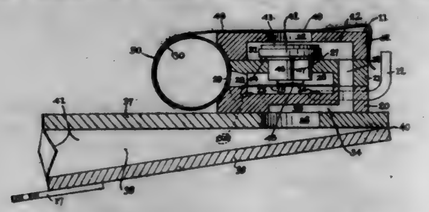


3. A cleaning machine comprising a movable table having grooves in its upper side; points extending upwardly from the table and adapted to enter a rug on the latter; scrubbing elements above the table adapted to operate on a rug on said table; and stripping means extending into said grooves for stripping the rug off said points as such rug leaves the table.

1,564,454. PLAYER PNEUMATIC. EARL R. SMITH, Cleveland, Ohio. Filed July 12, 1924. Serial No. 725,597. 1 Claim. (Cl. 84—55.)

In a piano player, a vacuum chest provided with a series of apertures, a pneumatic arranged to have one end abut said chest and provided with a duct through said end arranged to register with one of said apertures, and with a vent emerging to atmosphere through the top

of said pneumatic and a spring metal clip extending from the remote end of said pneumatic along the top of said pneumatic over the end of said vent to beyond the abutting end thereof, apertured opposite the end



of said vent to prevent closing said vent and engaging the remote side of said chest to quickly detachably and resiliently hold said pneumatic in position firmly abutting said chest.

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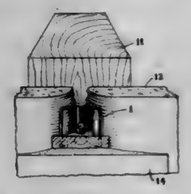
1,564,453. WALL-BOARD FASTENER. MARK S. STANBRO, Buffalo, N. Y. assignor to The Beaver Products Company, Inc., a Corporation of New York. Filed Jan. 21, 1925. Serial No. 3,779. 6 Claims. (Cl. 72—118.)



1. A wallboard fastener comprising a central portion provided with extending flanges adapted to take the configuration of the edges of the wallboard as it is being secured in position by the attaching means.

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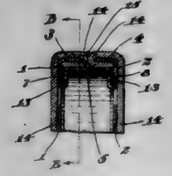
1,564,456. CASE FOR INCLOSING MEASURING TAPES AND SIMILAR ARTICLES. JOSIAH T. TAYLOR, Bangor, Me., assignor, by mesne assignments, to Haven Sawyer, Bangor, Me. Filed Nov. 6, 1922. Serial No. 599,217. 10 Claims. (Cl. 220—1.)



1. A case for the uses described, comprising two flanged caps, a liner U-shaped in cross section, and ears struck up from the faces of the caps to secure the caps to the liner.

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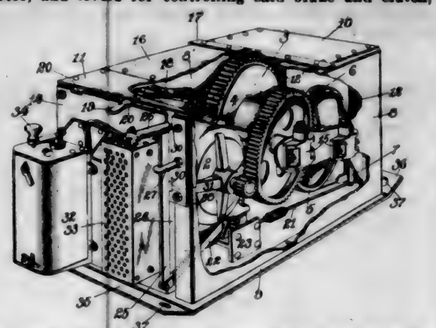
1,564,457. HOIST. THOMAS O. WERNER, Bangor, and ERIK W. MIKAELSON, Easton, Pa., assignors to Treadwell Engineering Company, Easton, Pa., a Corporation of Pennsylvania. Filed Dec. 10, 1921. Serial No. 521,339. 5 Claims. (Cl. 254—187.)

1. A hoist, comprising a cable drum shafting therefor, an electric motor, gear connections between said motor and drum for driving the drum, a clutch through which the driving connection between said motor and drum is controlled, a brake for said drum, a casing substantially enclosing the aforesaid parts of the hoist and forming bearings for the drum shafting, a controller for said motor, and levers for controlling said brake and clutch,



said levers projecting through said casing, and said controller and levers being mounted closely adjacent to each other at one side of said casing.

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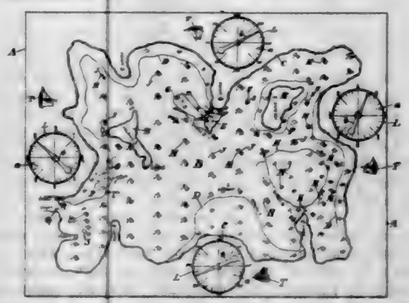
1,564,458. GAME. ROBERT R. WHITING, Darien, Conn. Filed May 4, 1925. Serial No. 27,653. 4 Claims. (Cl. 273—134.)



1. In a game, a game board having a predetermined complete course of travel, a relatively shorter complete optional course of travel, and hazards associated only with said relatively shorter complete optional course of travel.

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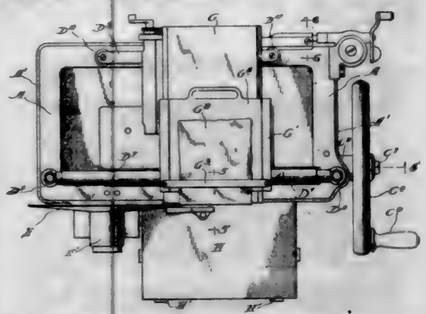
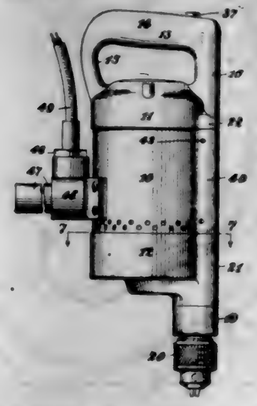
1,564,459. SLICING MACHINE. WALLACE B. WOLFF, Chicago, Ill. Filed Dec. 22, 1924. Serial No. 757,307. 14 Claims. (Cl. 146—102.)



1. A slicing machine comprising in part a drive shaft and a rotary knife, a frame adapted to support the moving and rotating parts, and a housing for said frame, structurally independent thereof and removably secured thereto, comprising an upper and a lower housing member, the upper member overhanging and overlapping the lower member but out of contact therewith.



1,564,460. DRILL. FRANK L. YOUNG, Windsor, Conn., assignor, by mesne assignments, to Goodell Pratt Company, a Corporation of Massachusetts. Filed Sept. 7, 1923. Serial No. 661,384. 14 Claims. (Cl. 77—4.)



1. A power driven drill including a cylindrical casing for the prime mover, said casing being provided at one end with a spindle bearing sleeve eccentric in respect to the casing and of smaller diameter, a portion of said sleeve extending beyond the periphery of the casing, a drill spindle, and a drill chuck of approximately the diameter of the sleeve, the two planes tangent to the casing and sleeve intersecting at approximately a right angle.

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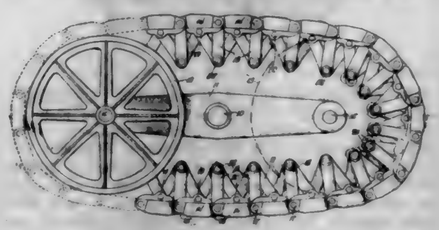
1,564,461. VEHICLE. ISAAC H. ATHEY and ARTHUR R. SCHWARZKOPF, Chicago, Ill., assignors to Athey Truss Wheel Co., Chicago, Ill., a Corporation of Illinois. Original application filed Feb. 1, 1923, Serial No. 616,894. Divided and this application filed Jan. 24, 1925. Serial No. 4,391. 5 Claims. (Cl. 305—10.)



1. A vehicle track chain formed of a plurality of shoes, each comprising a tread member having hinge lugs projecting from the opposite sides thereof, pintles for pivotally connecting the hinge lugs of adjacent shoes, a lug extending inwardly from each tread member, a pivot pin carried by each of said lugs, inwardly extending compression links pivotally mounted on said pintles, pivot pins carried by the inner ends of said compression links, and truss links pivotally mounted on each of said first-named pivot pins and having slotted connections with the last-mentioned pivot pins of adjacent tread members.

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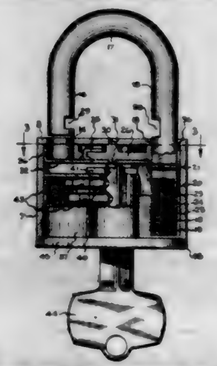
1,564,462. PADLOCK. FRANK ELLISON BEST, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed Dec. 8, 1923. Serial No. 678,909. 8 Claims. (Cl. 70—108.)

1. A padlock embodying a hollow housing having a closed top end and an open bottom end, a partition member disposed adjacent said top end and cooperating therewith to form a narrow chamber for the reception of latch mechanism, a plug member arranged to fit within said housing and to extend from the bottom end thereof to said partition, said plug having a bore extending downwardly to a point near its bottom end, a J-shaped shackle having its longer leg arranged to fit slidably within the bore in said plug said shackle leg having a bearing that extends throughout substantially the entire length of said plug and a spring urging said shackle outwardly.



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1,564,463. THROW MECHANISM FOR PIN-TUMBLER LOCKS. FRANK ELLISON BEST, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed Nov. 29, 1924. Serial No. 752,917. 12 Claims. (Cl. 70—46.)

1. Lock throw mechanism embodying a disc, expansible snap ring means on the periphery of said disc and key plug engaging means projecting from one side of said disc.

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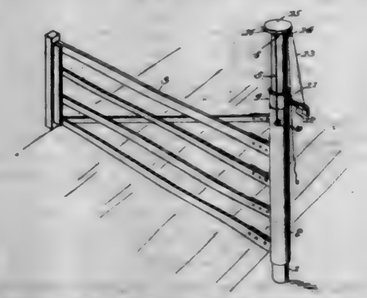
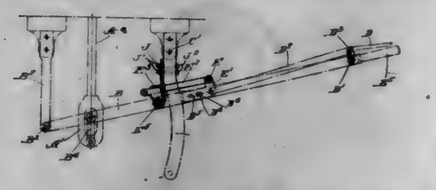
1,564,464. GATEPOST. JOHN FRANCIS BOWLES, Cavendish, Idaho. Filed July 31, 1922, Serial No. 578,687. Renewed June 5, 1925. 5 Claims. (Cl. 39—14.)



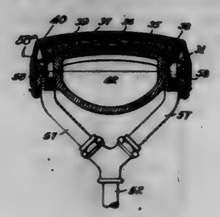
1. In combination, a hollow gate post, a vertically movable gate pivotally mounted on said post, manually controlled means for regulating the vertical movement of the gate, and a single means including a force exerting member arranged in said post and connected to said gate for automatically closing the same and for elevating said gate when the manually controlled means is actuated.

1,564,465. AUTOMATIC DRIFTING CONTROL. WILLIAM T. BENTHERTON and ROBERT R. BUSH, Chicago, Ill. Filed Nov. 5, 1924. Serial No. 747,968. 10 Claims. (Cl. 74—39.)



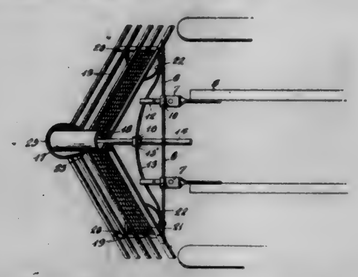
1. A throttle control for locomotive engines comprising a manually operated lever, a quadrant, a latch on said lever adapted to engage said quadrant, a secondary lever positioned upon said lever and adapted to actuate said latch, and automatic means necessitating the manipulation of the secondary lever to permit complete throttle valve closure.

1,564,466. GARMENT PRESS. BLUFORD W. BROCKETT, Cleveland Heights Village, Ohio, assignor, by direct and mesne assignments, of one-half to The American Laundry Machinery Company, Norwood, Ohio, a Corporation of Ohio, and one-half to Metropolitan Trust Company, trustee, New York, N. Y., a Corporation of New York. Filed June 19, 1920. Serial No. 390,170. 25 Claims. (Cl. 68—9.)



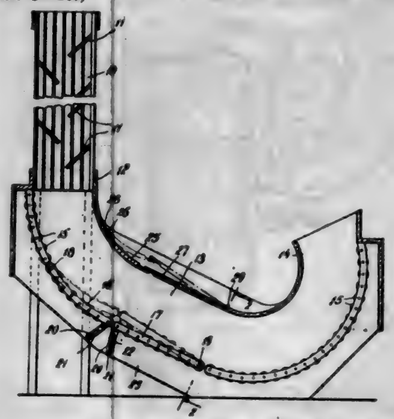
1. In a garment press, a garment supporting member, a body of padding on said member, and means for passing a gaseous medium through only the upper portion of said padding.

1,564,467. FENDER OR BUMPER. HENRY L. CLABAUGH, Cleveland, Ohio. Filed Mar. 23, 1925. Serial No. 17,649. 9 Claims. (Cl. 293—48.)



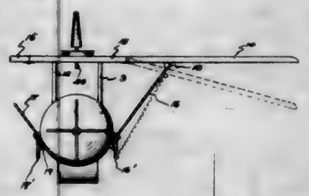
2. A fender of the character described comprising, a transverse supporting bar, a substantially V-shaped buffer arranged in advance of the supporting bar, a forwardly bowed spring bar disposed between the bar and buffer and having its ends connected to the end portions of the supporting bar, and a connecting rod retaining the spring bar and buffer in fixed relation and having slidable connection with the supporting bar.

1,564,468. APPARATUS FOR TREATING TEXTILE MATERIALS. WILLIAM L. CONRAD, Boston, Mass. Filed Mar. 21, 1924. Serial No. 700,979. 10 Claims. (Cl. 8—19.)



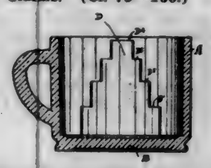
5. Apparatus for treating textile material comprising a stack, a chute communicating with the stack and having an upwardly turned receiving end and an upwardly turned delivery end, the bottom of the chute being adjustable to a plurality of positions and means for fixedly retaining the bottom in its adjusted positions.

1,564,469. AEROPLANE. HENRY M. COSBY, Flint, Mich. Filed Apr. 13, 1925. Serial No. 22,649. 1 Claim. (Cl. 244—25.)



An aeroplane of the class described, comprising a main body portion; a wing mounted on said body portion having its central portion fixed relatively to said main body portion and its extremities swingable relatively thereto; a shaft projecting transversely of said main bdy portion; an arm connecting each of said swinging extremities eccentrically of said shaft, said wings being adapted for swingable movement upwardly and downwardly upon the rotation of said shaft.

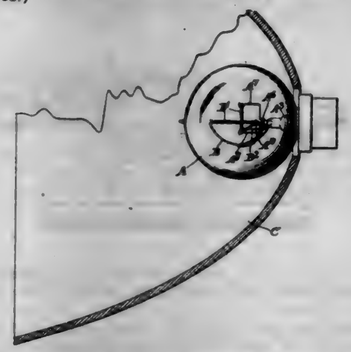
1,564,470. MEASURING CUP. ALVIE C. CRIMMEL, Hartford City, Ind. Filed Oct. 29, 1923. Serial No. 671,457. 3 Claims. (Cl. 73—166.)



1. A measuring vessel having its wall provided with an integral pyramidally-shaped panel extending over a portion of the inner surface in low relief and having an altitude with reference to the floor of the vessel to indicate the measure of the vessel contents, said panel being of step-like formation, to permit of the retraction of the plunger by which the vessel is pressed in the mold, and the horizontal edges of the said steps constituting measuring indications at various altitudes.



1,564,471. ELECTRIC LIGHT. CHARLES W. DAKE, Chicago, Ill. Original application filed Feb. 23, 1923, Serial No. 620,561. Divided and this application filed Feb. 29, 1924. Serial No. 695,893. 3 Claims. (Cl. 240—41.)

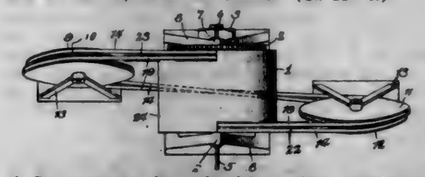


1. The combination with a reflector having a focal axis and a focal point, of a single continuous luminous filament extending in part along the focal axis both in front of and behind the focal point and located in part in a plane perpendicular to the axis and intersecting it at the focal point.

1,564,472. WASHING MACHINE. MICHAEL E. DALY, Cincinnati, Ohio, and JAMES H. TAYLOR, Red Bank, N. J., assignors to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 30, 1921. Serial No. 456,806. 5 Claims. (Cl. 220—41.)

1. In a washing or like machine, a cylinder adapted for operation within an outer structure and provided with an opening, a sliding door for said opening, and interengaging means between said door and cylinder including an inclined portion arranged when the door is closed to move and seat the same and prevent the formation of a gap or crevice along the edge of said opening.

1,564,473. PROCESS AND APPARATUS FOR VULCANIZING ARTICLES. JOHN L. G. DYKES, Chicago, Ill. Filed Oct. 25, 1922, Serial No. 596,834. Renewed Oct. 26, 1925. 13 Claims. (Cl. 18—6.)

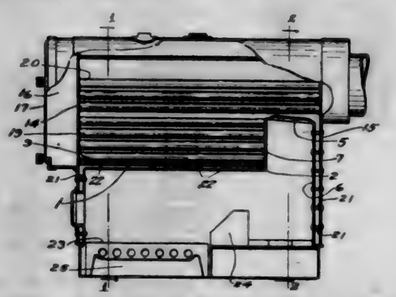


1. In apparatus for vulcanizing rubber articles, the combination of means including an endless belt wound spirally to establish a spiral path of travel for the stock from which the desired article is to be made, means for feeding the stock to said spiral path of travel, means in the form of a belt traveling spirally over the stock, and means for heating the stock to vulcanizing temperature while traveling in said path.

1,564,474. AUDIPHONE. CHARLES FENSKY, St. Louis, Mo. Filed Feb. 4, 1924. Serial No. 690,642. 3 Claims. (Cl. 181—23.)

1. An audiphone comprising a rigid hermetically sealed elongated hollow member having an integral enlargement at one end, the end of said member opposite said enlargement adapted to be inserted in the interior ear and terminate at or near the malleus, said hollow member capable of vibrating in unison with sound waves striking the enlargement.

1,564,475. STEEL HEATING BOILER. FRANK J. FLAJOLE, Seattle, Wash. Filed Oct. 24, 1922. Serial No. 596,575. 3 Claims. (Cl. 122—74.)



1. In a boiler having a fire box and fire tubes above the fire box, an outer shell being formed of steel plate and being bent inward at a point midway between the fire box and the tube section, an inner plate forming a fire box with the upper part bent to form the upper half of a circle and constructed so that a space will be left between it and the outer shell, stay-bolts between this plate and the outer shell, another plate bent to form the lower half of a circle above the fire box, said plate having openings through it and having its edges welded to the outer shell, a connection between the bottom of this plate and the top of the plate forming the fire box, an opening in the top of the fire box at the rear of the boiler formed by splitting the plate forming the fire box a short distance from the rear end and bending the edges upward, a corrugated plate forming the top of this section at the rear and being connected to the edges of the former plate and to a tube plate at the front, another plate forming the rear of the fire box being connected to the plate forming the fire box and to the corrugated plate and having a space between it and the outer shell, stay-bolts between this plate and the outer shell, and a welded connection between the lower ends of all the plates forming the inner shell and the outer shell.

1,564,476. HIGH-FREQUENCY ALTERNATOR. CHARLES SAMUEL FRANKLIN, London, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed June 21, 1921. Serial No. 479,361. 11 Claims. (Cl. 171—252.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. A high frequency alternator having a member provided with relatively short teeth arranged in lines parallel to the axis of the machine and having windings interwoven with teeth of said lines and a second member rotatable relatively thereto having a plurality of relatively long teeth making an oblique angle with the lines of teeth of said first member.

7. A high frequency alternator having a stator member provided with relatively short teeth arranged in lines

parallel to the axis of the machine and a rotor having a plurality of relatively long teeth thereon and arranged in the form of a skew gear.

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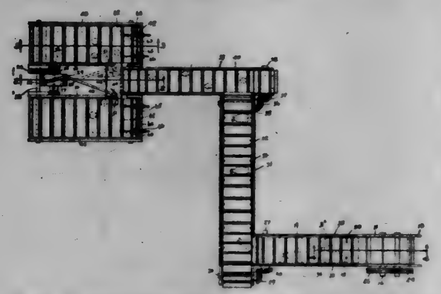
1,564,477. AUTOMATIC BOTTLE CONVEYER AND FEEDER FOR LEERS. WILLIAM W. GLASS, Gas City, Ind., assignor, by direct and mesne assignments, to John F. Sparks and Willard C. Johnson, both of Summitville, Ind. Filed Jan. 11, 1924. Serial No. 685,592. 8 Claims. (Cl. 198—33.)



1. In an automatic bottle conveyer for leers, the combination of a chute open at its upper end, a platform pivotally supported adjacent and normally closing the open end of the chute, and a bladed transfer mechanism pivotally supported in said chute and closing the bottom thereof and adapted to receive bottles discharged into said chute from said platform.

6. A device of the character described, including a divided leer, an arm pivotally supported between the leer divisions, a platform beneath said arm, means for erecting bottles on the platform, a conveyer discharging bottles to the platform for engagement by the erecting means and subsequent engagement by the swinging arm for alternate discharge to the leer divisions, a guard positioned beneath the conveyer and adjacent the platform for preventing jamming of the bottles between the platform and the conveyer, and a common driving connection operating said swinging arm in timed relation with the timed relation movement of said leer conveyers.

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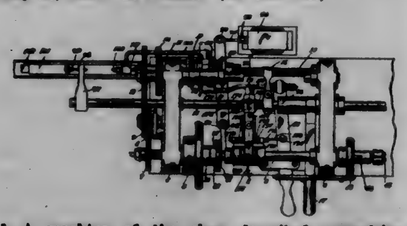
1,564,478. WINDING MACHINE. MARTIN B. GROUT, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1922, Serial No. 552,565. Renewed May 16, 1925. 26 Claims. (Cl. 242—10.)



1. A machine of the class described comprising a winding spindle, reciprocating means for feeding a strand of wire thereon in layers to form a coil, and means for shifting the winding spindle longitudinally a predetermined distance during the feeding operation of said reciprocating means and at the beginning of each layer.

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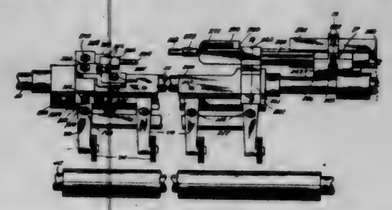
1,564,479. WINDING MACHINE. MARTIN B. GROUT, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed June 3, 1922, Serial No. 565,630. Renewed July 21, 1924. 32 Claims. (Cl. 242—10.)



1. A machine of the class described comprising a winding spindle, reciprocating means for feeding strands of wire thereon in layers to form a coil, and means including frictional means for shifting said reciprocating means in the same direction in which the layers are being wound on the coil during the feeding operation of said reciprocating means.

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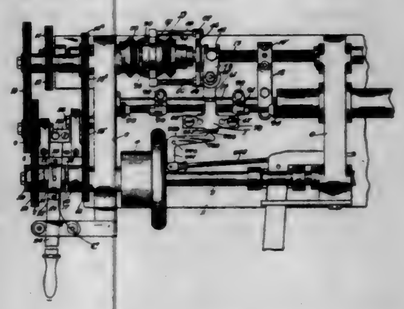
1,564,480. WINDING MACHINE. MARTIN B. GROUT, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 2, 1924. Serial No. 683,923. 13 Claims. (Cl. 242—10.)



1. A machine of the character described including a winding shaft, a reciprocating shaft having a to and fro movement, guide means associated with said reciprocating shaft for guiding and feeding strands of wire to said winding shaft, means for rotating said winding shaft to wind said strands of wire in layers on said winding shaft, reversing mechanism and trip mechanism controlled by said reciprocating shaft for causing the operation of said reversing mechanism to cause the to and fro movement of said reciprocating shaft, and means for shifting said guide means a predetermined degree in the direction of travel of said reciprocating shaft.

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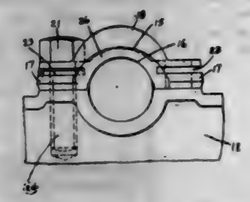
1,564,481. ADJUSTABLE BEARING FOR INTERNAL-COMBUSTION ENGINES. CLAUDE J. HAYWARD, Brasil, Ind. Filed Apr. 20, 1925. Serial No. 24,496. 1 Claim. (Cl. 308—167.)

An adjustable bearing construction including a body portion having a shaft receiving groove and a flange abuttable laterally positioned face and an ear projecting from the body portion including an elongated and bolt receiving opening, the elongation being parallel to the



groove longitudinal axis, said ear having a slot substantially transverse to said opening and communicating therewith, a bolt receiving washer receivable by said



slot, and a clamping bolt receivable by the ear elongated opening and washer for anchorage in adjustable position by clamping action of the washer and the slotted ear.

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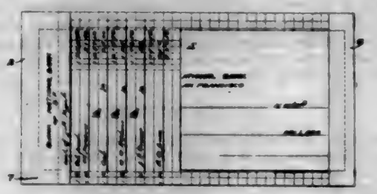
1,564,482. CHECK HOLDER AND RECORD. JAMES H. HJUL, San Francisco, Calif. Filed Feb. 4, 1924. Serial No. 690,457. 14 Claims. (Cl. 281—21.)



1. A check holder comprising a sheet having a plurality of spaced slits therein and readily removable checks passing through the slits and lying partly on opposite sides of the sheet, said checks being unattached to the sheet, said checks adapted to be readily withdrawn through the slits.

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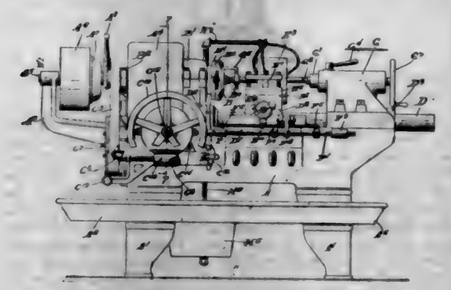
1,564,483. LATHE. WILLIAM C. KENYON, Rockford, Ill., assignor to The Rockford Machine Tool Company, Rockford, Ill., a Corporation of Illinois. Filed Nov. 10, 1920. Serial No. 422,992. 5 Claims. (Cl. 82—2.)



1. In an engine lathe a plurality of tool carriages a driving shaft normal to the lathe axis having a plurality of gears thereon, a rack in mesh with one of them and directly connected to one of the carriages, a shaft parallel with the lathe axis, a mitre gear thereon in mesh with the other gear and a rack carrying the second carriage and a gear mounted on the second shaft adapted to drive the rack to move the second carriage in a direction normal to the direction of the movement of the first.

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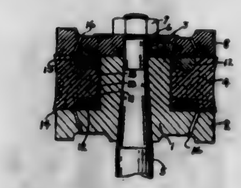
1,564,484. PACKING RING FOR PUMP PISTONS. EUGENE KIBELA, San Antonio, Tex. Filed Jan. 17, 1925. Serial No. 3,104. 6 Claims. (Cl. 74—109.)



1. In a pump piston, a piston body having a central annular recess forming a seat, a packing ring of compressible material therein, and means to prevent radial movement of said ring in its seat, said ring being concaved longitudinally on its outer periphery to form outwardly extending lips at each end thereof.

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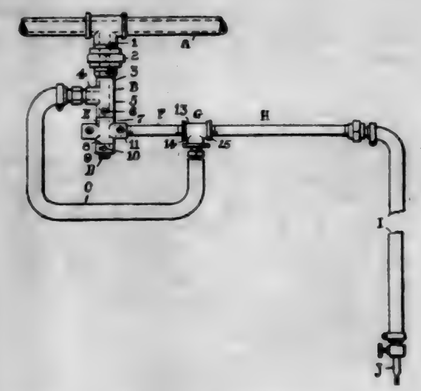
1,564,485. SWIVEL JOINT FOR TUBES USED FOR CONDUCTING LIQUIDS AND FLUIDS. WILLIAM PAUL MCCANDLESS, Pittsburgh, Pa. Filed Mar. 21, 1925. Serial No. 17,255. 6 Claims. (Cl. 285—9.)



1. In a swivel-joint structure for the purpose described, the combination of a T-fitting in fixed relation to the source of supply of the fluid or liquid to be conducted, said T-fitting being provided with a substantially right-angled passage having its one end in communication with said supply, a second fitting rotatably mounted in relation to said T-fitting and turning on an axis at right angles to the axis of the discharge end of said passage, a second T-fitting carried by said second named fitting but without tubular communication therewith, and a flexible hose connecting the outlet end of the passage of said first named T-fitting with the stem of said second T-fitting.

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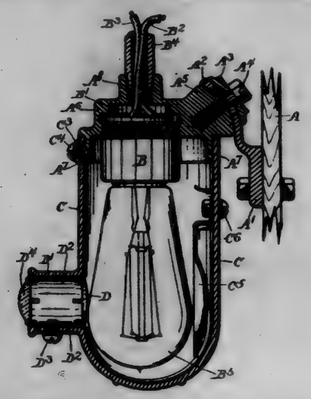
1,564,486. CAB LAMP. CRAWFORD P. MCGINNIS and CHARLES W. DAKE, Chicago, Ill., assignors to The Pyle-National Company, Chicago, Ill., a Corporation of New Jersey. Filed Dec. 5, 1923. Serial No. 678,586. 3 Claims. (Cl. 240—7.1.)

1. A cab lamp comprising a base on which a light source may be mounted, a rigid, opaque housing closely

surrounding the light source and removably mounted on the base, a cylindrical projection from one side of the housing and a lens cell removably mounted therein, a re-



flector adjustably mounted within the housing on the wall thereof behind the light source and in line with the lens cell.

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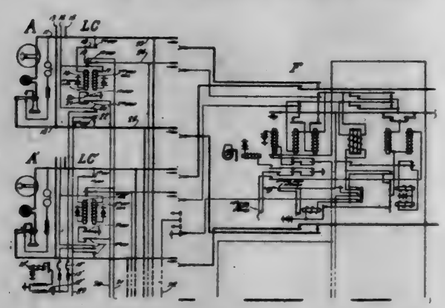
1,564,487. AUTOMATIC TELEPHONE SYSTEM. TALBOT G. MARTIN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 10, 1923. Serial No. 637,931. 11 Claims. (Cl. 179—18.)



1. In a telephone system, a group of lines, a group of finder switches for extending said lines when calling, a loop starting circuit extending through all said finders in series, a line relay in each finder directly controlled over said starting circuit, contacts on each relay for extending said circuit to the next finder, a start wire common to said lines, and a distributer switch intervening between said start wire and said loop circuit by means of which the common start wire can be associated with said loop circuit at a plurality of different points.

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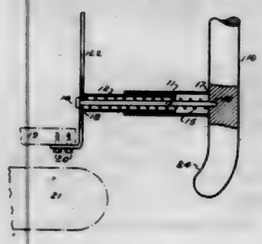
1,564,488. AUTOMOBILE BUMPER. EMIL NASTRI, Brooklyn, N. Y. Filed Aug. 12, 1922. Serial No. 581,372. 1 Claim. (Cl. 293—55.)

An automobile bumper adapted to face to the front or rear, comprising a fender or bumper-rod extending from one longitudinal side of the vehicle to the other provided at either end with end portions bent toward the vehicle so as to slip easily by any obstruction met; a hollow annular tubular securing-member rigidly secured at its forward end, adjacent to either end of such fender or bumper-rod; a reversely faced hollow annular tubular securing member reciprocatingly located within each of the like hollow annular members secured to the bumper-rod, and reciprocating easily one within the other; a central stop-rod, rigidly secured at its forward end to the rear side or face of the bumper-rod and passing at its extreme rearward end through a small hole formed in and through a suitable stop-plate carried by the body of the vehicle, such stop-rod being provided at its extreme end



where it passes through the stop-plate with an enlarged retaining-head 14, which is in abutment with the stop-plate, only when such stop-rod is in the extreme forward position shown in Figure 1; and a coil-spring member extending from the stop-plate to the adjacent abutting surface of the bumper-rod, surrounding the stop-rod and carried within the reversely open ended hollow annular tubular securing members.

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1,564,489. POURING SPOUT. WILLIAM NEIL, Chicago, Ill., assignor to Wm. Neil & Co., Chicago, Ill. Filed June 25, 1924. Serial No. 722,225. 2 Claims. (Cl. 221—28.)

1. A spout formed of a sheet of material which is bent to form a tube through which liquid may be poured from a receptacle with which the spout is associated, said sheet being also formed to provide a longitudinally arranged air passage, one end of which opens into that end of the tube from which the liquid is emitted to thereby cause any liquid entering the passage to be discharged through the discharge end of said spout and a tubular element, one end of which is inserted into one end of said passage and extends therefrom with its opposite end terminating in spaced relation to a part of the spout to allow liquid to pass over said last mentioned end of the tubular element.

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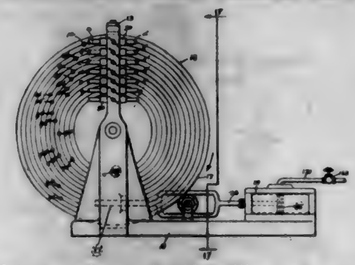
1,564,490. AUTOMATIC MACHINE FOR MAKING CONCRETE BLOCKS. LAYTON M. PARKHURST, Indianapolis, Ind. Filed Oct. 24, 1924. Serial No. 745,708. 7 Claims. (Cl. 25—41.)

1. Apparatus for manufacturing concrete blocks and the like having a mold, means for feeding material into the mold, tamper mechanism for tamping the material



in the mold, a finish plate for closing the top of the mold, means actuated by fluid under pressure for independently operating the tamper mechanism and moving



said plate in and out of said position, and means for automatically operating said tamper mechanism and finish plate in the desired sequence and timing.

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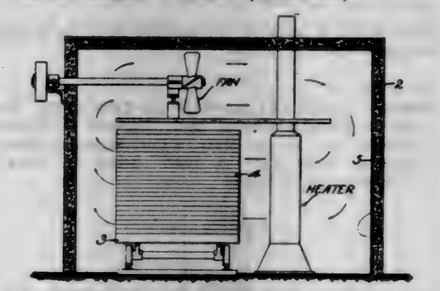
1,564,491. EVAPORATOR. CLAUDE REES and CHARLES F. HINE, San Francisco, Calif. Filed Oct. 9, 1922. Serial No. 593,390. 1 Claim. (Cl. 34—19.)




An evaporator for food products comprising a house of concrete, bricks, hollow tiles or other absorbent material in which the food product is dried by contact with warm moisture-laden air, a heater for raising and maintaining the temperature of the air, means for passing the heated air over the food product to remove the moisture therefrom and means for maintaining the moisture content of the air by preventing the absorption of the moisture by the absorbent material, comprising a coating of non-absorbent material on the surfaces of the house exposed to the moisture-laden air.

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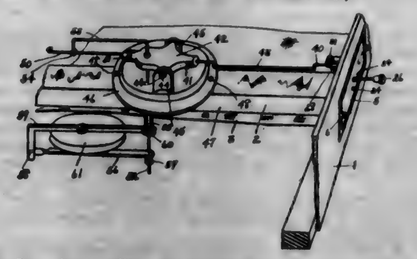
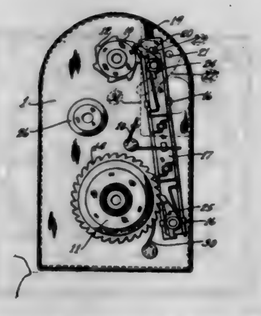
1,564,492. HEAT SPILLER FOR INCUBATORS. HENRY W. RICHARDSON, Little Falls, N. Y., assignor to Percy D. Peters, Little Falls, N. Y. Filed June 7, 1924. Serial No. 718,666. 6 Claims. (Cl. 236—4.)



1. In a heat spiller for incubators, a door adapted to open for the exit of hot air from said incubator, thermostatic means for controlling the movements of said door, and yielding means connecting said thermostat with said door to aid in prolonging the life of said thermostat.

1,564,493. SAVINGS BANK. SAMUEL ROSENTHAL, St. Louis, Mo., assignor to National Coin Calendar Corporation, a Corporation of Missouri. Filed Apr. 10, 1922. Serial No. 551,414. 2 Claims. (Cl. 194—94.)



1. A savings-bank comprising a casing having a coin-slot and an elongated pin-slot, in combination with a dial mounted for rotation upon the casing, and means for rotarily actuating the dial upon the insertion of a coin into the casing through the coin-slot, said means including a bar slidable upon the outer surface of the casing, a pin on the bar projecting through the pin-slot, a pawl mounted upon the bar adapted for actuating engagement with the dial, and a bell-crank lever pivoted for oscillation upon the under surface of the casing and having one slotted arm in constant bar actuating engagement with said pin, the other arm being disposed adjacent said coin-slot for actuating engagement by the inserted coin.

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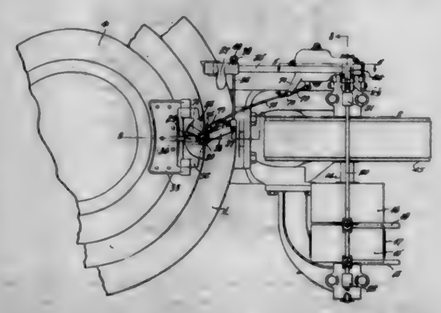
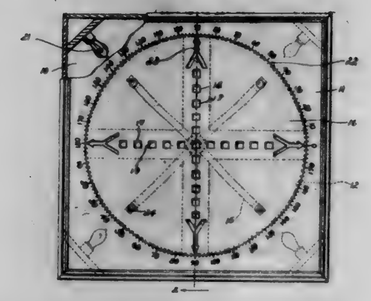
1,564,494. SAFETY COVER FOR CENTRIFUGAL MACHINES. JOSEPH B. SANDO, Norwood, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 30, 1921. Serial No. 526,045. 2 Claims. (Cl. 192—136.)



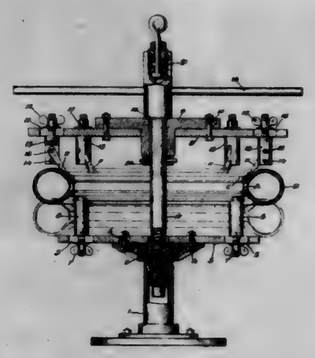
1. In a centrifugal extractor, the combination of a rotatable basket, a guard cover for said basket, centrifugal means for automatically locking said cover closed, driving means directly connected to said centrifugal means for operating the same, and connections between said driving means and said basket and including a centrifugally controlled clutch adapted to effect driving connection between said driving means and said basket when said driving means attains a predetermined speed, the parts being so arranged that said centrifugal means locks the cover closed prior to the rotation of said basket and unlocks said cover only after the rotation of said basket has ceased.

**1,564,495. ASTIGMATIC TESTING DEVICE.** CHARLES SHERARD, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 12, 1922. Serial No. 631,523. 4 Claims. (Cl. 88—20.)



1. In a device of the character described, a disc having two lines of separated squares crossing each other centrally of the disc, means for pivoting the disc at its center, a circular scale surrounding the outer edges of the disc, and a pointer on the disc adapted to indicate on the scale the amount of movement of the disc about its pivot.

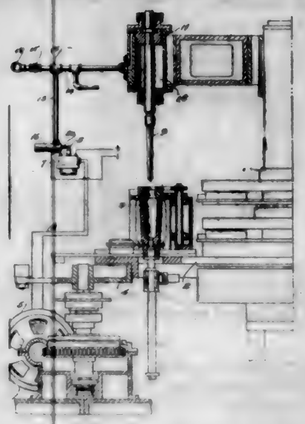
**1,564,496. TIRE-REMOVING MECHANISM.** CHRISTIAN STAUGAARD, Detroit, Mich. Filed Dec. 15, 1921. Serial No. 522,585. 4 Claims. (Cl. 157—6.)



1. In a tire removing mechanism of the class described, a rim supporting device; a tire removing device having a plurality of pivotally supported tire engaging members spaced apart from one another and having free ends adapted to engage a tire carried by a rim; and means for moving one of said devices relative to the other and in a direction at right angles to the planes of said tire and rim.

**1,564,497. SAFETY MECHANISM.** THOMAS STENHOUSE and DAVID STENHOUSE, Washington, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va., a Corporation of West Virginia. Filed Aug. 29, 1923. Serial No. 660,057. 12 Claims. (Cl. 49—38.)

1. The combination with a machine comprising parts operated from one source of power, other parts co-operating therewith and operated from another source of power, of means rendering inoperative the first mentioned source of power by the shutting off of the second-mentioned source of power.



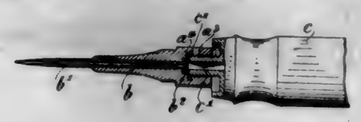
**1,564,498. SANITARY NAPKIN OR THE LIKE.** ERROLD B. THOMAS, Newton, Mass., assignor to Thomas Products, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Mar. 13, 1925. Serial No. 15,241. 5 Claims. (Cl. 128—290.)

1. In a sanitary napkin, a multiplicity of superposed, thin webs of wood cellulose forming a pad portion which is readily disintegrable after use, and an additional soft, flexible thin sheet of substantially similar material suitably moisture-proofed and laid upon said pad portion without positive attachment thereto, affording no obstruction to the disintegration of the said pad portion, and being itself capable of disposal in the same manner as the said pad portion, whereby a moisture proofed flexible and non-irritating pad readily distintegrable almost in its entirety, and all capable of similar disposal after use, is provided.

4. That method of making an absorbent pad particularly adapted for hygienic and surgical purposes which consists in superposing a multiplicity of film-like sheets of wood cellulose of relative large area, in applying moisture-proofing material to a sheet of similar but desirably less tenuous wood cellulose, in laying said moisture-proofed sheet when drained but moist upon said multiplicity of sheets whereby the moisture proofing material is prevented from permeating more than one or a small plurality of the adjacent sheets, and in dividing said sheets transversely into pads of the desired size.

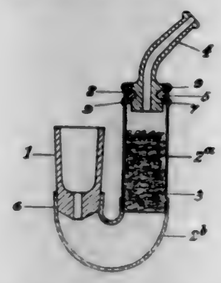


**1,564,499. HYPODERMIC NEEDLE.** HERMAN TROPP, New York, N. Y., assignor to William Brody & Co., New York, N. Y. Filed July 9, 1923. Serial No. 650,508. 1 Claim. (Cl. 128—22.)



The combination with a syringe barrel having a threaded nipple, of a needle carrying shank having a threaded recess therein adapted to receive said nipple, said recess ending in a flat surface, and provided with an annular groove immediately adjacent said flat surface thereby allowing a perfect contact between the nipple and the flat surface of the recess, said flat surface being provided with a recess, and a washer adapted to be arranged therein.

**1,564,500. SMOKER'S PIPE.** EUGÈNE VAN DE VOORDE, Bremen, Germany. Filed Aug. 31, 1921. Serial No. 497,294. 1 Claim. (Cl. 131—12.)



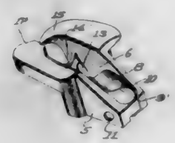
A smoker's pipe, comprising a bowl, a mouth piece formed near one end with a groove, a tubular portion extending between the bowl and the mouth piece, said tube-like portion being of heat conductive material and substantially of uniform diameter, a resilient washer fitted in the groove in the mouth piece and engaging the inner surface of the tubular portion, said tubular portion being formed with a groove above and below the resilient washer, springs mounted in the last mentioned grooves to hold the resilient washer against displacement, and a metallic heat diffuser in the tube-like portion to conduct the heat of the smoke to the tube-like portion for radiation.

**1,564,501. METHOD OF MANUFACTURING LUBRICATING OILS.** JAMES W. WEIR, Fillmore, Calif., assignor of one-half to John C. Black, Destrehan, La. Filed Mar. 21, 1922. Serial No. 545,538. 3 Claims. (Cl. 196—147.)

1. The method of refining lubricating oil stocks, which comprises treating the oil with sulphuric acid, settling and removing the major portion of the sludge, then adding a comminuted solid absorbent material, heating the mixture to a temperature sufficient to decompose the remaining sludge and liberate sulphur dioxide therefrom, and separating the adsorbent material with the matters adsorbed thereon from the oil stock.

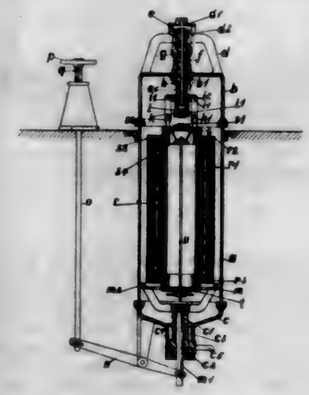


**1,564,502. AUTOMATICALLY-THREADING SHUTTLE FOR LOOMS.** GEORGE H. WILLARD, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Mar. 31, 1925. Serial No. 19,601. 5 Claims. (Cl. 139—223.)



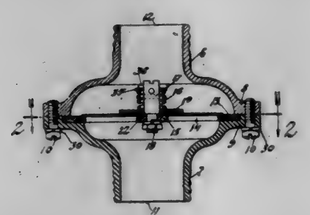
1. An automatically threading loom shuttle having an open top thread passage extending longitudinally thereof, a side delivery eye communicating with the thread passage, a thread casting and guiding device in the thread passage constructed and arranged to cast the thread upwardly and out of the thread passage on the occurrence of an overthrow of the thread as the shuttle is arrested at the end of its flight, and means at the forward end of the thread passage for intercepting the loop or overthrow of thread to prevent complete unthreading of the shuttle.

**1,564,503. CENTRIFUGAL MACHINE FOR TREATING TEXTILES WITH LIQUID AND GASES.** HEINRICH WOLFER, Ludwigshafen-on-the-Rhine, Germany, assignor of one-half to Obermaier & Cie., Neustadt-on-the-Haardt, Germany. Filed Dec. 8, 1924. Serial No. 754,571. 7 Claims. (Cl. 8—19.)



6. A centrifugal machine for treating textiles with liquid and gases, comprising a closed vessel, a hollow vertical shaft supported rotatably in the upper part of said vessel, a perforated drum adapted to be wound with the materials to be treated, means for suspending said drum on said shaft vertically inside the vessel so that it will be rotated by the shaft and so that it can adjust itself about the suspension point and effect its own centration, a vertically adjustable support arranged in the lower part of the vessel and adapted to receive and centre the drum previous to the suspension of the same, means for withdrawing the support after the suspension, and means for maintaining the duct of the shaft in communication with the interior of the drum during the operation.

1,564,504. THERMOSTATIC CONTROL DEVICE. HARRY T. WOOLSON, Detroit, Mich. Filed June 1, 1925. Serial No. 33,889. 10 Claims. (Cl. 236—34.)



1. In a device of the class described, a casing, a plate positioned therein, and means on said plate for controlling the flow of liquid through said casing at a pre-determined temperature and a pre-determined pressure.

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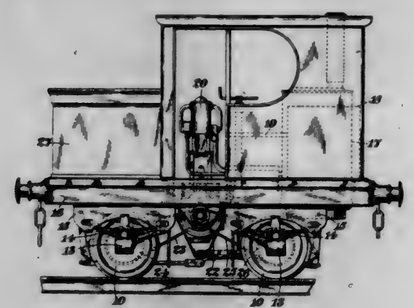
1,564,505. SELF-PROPELLED VEHICLE. STEPHEN EVANS ALLEY, London, England. Filed May 25, 1925. Serial No. 32,764. 8 Claims. (Cl. 105—104.)



1. A steam-propelled vehicle comprising in combination a plurality of running-wheel axles, a vehicle chassis, a steam engine unit comprising a cylinder and a crankshaft, which unit is mounted on the chassis at a situation which, viewed in plan, is between two running-wheel axles and has the cylinder in the unit substantially out of the horizontal and the crankshaft at the lower end of said unit, a chain and chain wheels for directly driving the vehicle from the crankshaft without the interposition of a counter-shaft, the chassis overhanging beyond a running-wheel axle of the vehicle, a steam boiler mounted on said overhanging portion in such a position that its bottom fittings are exposed and freely accessible and can be detached and lowered beyond the said running-wheel axle, and means for weighting the chassis at its other end.

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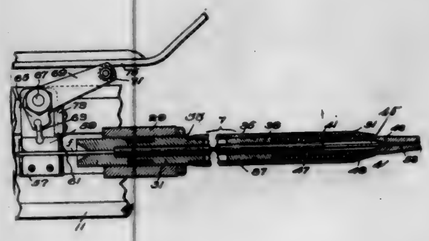
1,564,506. NEEDLE LOOM. GEORGE B. AMBLER, Leominster, Mass., assignor to F. A. Whitney Carriage Company, Leominster, Mass., a Corporation of Massachusetts. Filed Aug. 5, 1924. Serial No. 730,156. 19 Claims. (Cl. 139—130.)

14. In a needle loom in combination with the needle, means for clamping the filling thereto comprising a jaw over which the filling leads, a cooperating movable jaw, an operating lever having an arm extending toward



said latter jaw and a strut interposed between said jaw and said arm and having its ends pivotally received in recess therein.

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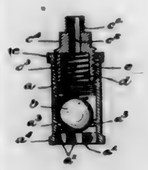
1,564,507. AIR VALVE FOR INTERNAL-COMBUSTION ENGINES. HENRY BARKER, Birkenhead, England, assignor of one-third to Thomas Barker and Alonza D. Bergen, both of Savannah, Ga. Filed Aug. 30, 1922. Serial No. 585,270. 1 Claim. (Cl. 251—121.)



An air supply valve for internal combustion engines, comprising a hollow valve-body portion formed with an internal valve-seat spaced a distance from the adjacent end of the body portion, a closure-cap extending partially up into the space beneath the valve seat and formed with borings to form in conjunction with the space between the cap and valve-seat an air cushion for the valve, a ball-valve resting on the valve seat and projecting through the seat into the space between it and the closure-cap, an adjustable plug fitted in the upper portion of the valve-body and axially bored with two diameters, and a compression spring fitting in the larger diameter bore of the plug and bearing against the ball-valve.

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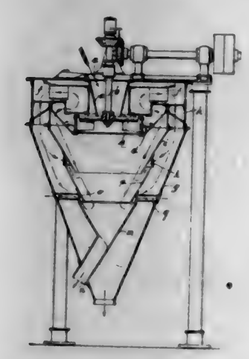
1,564,508. BLAST SIFTER. EMIL LUDWIG HERMANN BAUERMEISTER, Altona-Ottensen, Germany. Filed May 12, 1924. Serial No. 712,837. 2 Claims. (Cl. 209—37.)

1. A blast sifter for separating ground material comprising a plurality of truncated conical sifting receptacles positioned one above the other a perforated ring formed as a hit-and-miss gate intermediate consecutive conical receptacles, a screen within the sifting receptacles, a rotatable spreading disk within the screen, a mantle inclosing the sifting receptacles, revolving exhauster blades within the mantle for causing circulation of air impregnated with sifting material fed to the spreading disk and driven through the screen, and pipes connecting the sifting receptacle with the atmosphere to regenerate the





air within the apparatus, the pipes being attached to the inclosing mantle and reaching up to the lower end of a hit-and-miss gate.

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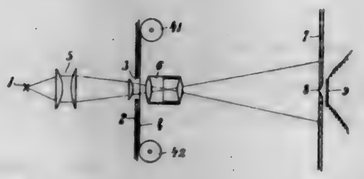
1,564,509. APPARATUS FOR REPRODUCING SOUNDS PHOTOGRAPHICALLY RECORDED ON A FILM. SVEN A. SON BERGLUND, Stockholm, Sweden. Filed Apr. 25, 1923. Serial No. 634,523. 1 Claim. (Cl. 179—100.1.)



Apparatus for reproducing sounds recorded photographically on a film, comprising a cinematograph having means for continuously feeding the film and adapted to produce a magnified image of the film record, a screen for taking up said image disposed at a distance from the cinematograph and having a transverse narrow slit through which a part of the light rays pass, a cell sensitive to light behind said slit and connected into an electric circuit containing means for reproducing sounds in accordance with the variations of current produced in said circuit by the light rays striking the cell.

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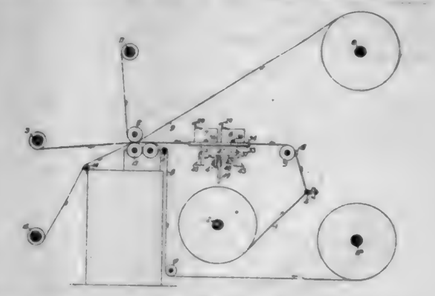
1,564,510. METHOD OF AND MACHINE FOR INKING RIBBONS. CHARLES W. BERRY, Bridgeport, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Feb. 25, 1924. Serial No. 694,860. 19 Claims. (Cl. 91—43.)

3. In a machine for inking ribbons at different parts in the length thereof with inks having different characteristics, the combination of means for feeding the ribbon through the machine, means for applying ink of one characteristic to the ribbon throughout the width thereof at one portion of the length of the ribbon and means for discontinuing the application of such ink and simultaneously applying an ink having a different characteristic at another portion in the length of the ribbon



and throughout the width thereof and alternately varying the inking of the ribbon in the manner stated as often as desired without arresting the feed thereof.

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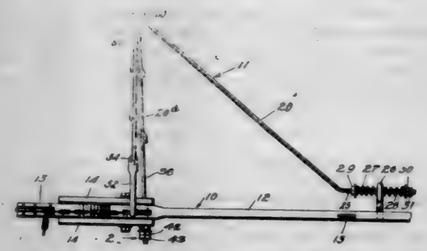
1,564,511. SUPPORTING MEANS FOR TOOLS. WILLIAM L. BESSOLO, Clearwater, Calif. Filed Oct. 4, 1922. Serial No. 592,364. 12 Claims. (Cl. 255—35.)



1. In combination with a tongs, a plurality of supporting members connected with the tongs at spaced points and connected together at a point spaced above the tongs, one of the supporting members being adjustably resiliently connected with the tongs.

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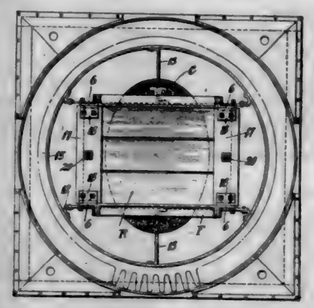
1,564,512. TRANSFORMER FRAME. ROBERT V. BINGAY, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Dec. 22, 1920. Serial No. 432,388. 4 Claims. (Cl. 175—86.)



1. In a transformer, the combination of a laminated core formed of inner and outer layers and connecting portions, two side frames each consisting of angle pieces,

one side of each piece extending outward from the laminæ and at an angle thereto and the other side lying flat against and parallel to the laminæ and overhanging the outer edges thereof, and a series of halts around said core connecting the overhanging edges with said side frames and acting to clamp the frames together against the laminæ.

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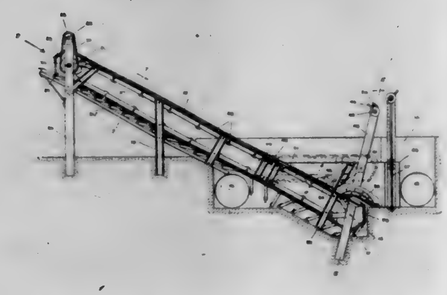
1,564,513. CONVEYER. EDWARD A. BOLE, Long Beach, Calif. Filed June 2, 1924. Serial No. 717,336. 9 Claims. (Cl. 210—198.)



1. A conveyer including an endless conveyer member having screens hinged to swing outwardly, and means arranged to discharge fluid outwardly through said screens at the discharge portion of the conveyer to swing the screens outwardly and to simultaneously dislodge foreign matter therefrom.

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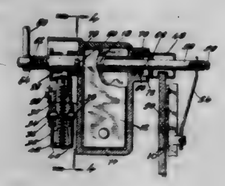
1,564,514. WINDSHIELD CLEANER. LLOYD BLACKMORE, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 12, 1923. Serial No. 612,207. 9 Claims. (Cl. 15—253.)



1. A windshield cleaner comprising, in combination, a wiper for cleaning a windshield glass, a fluid pressure operated piston connected to said wiper for moving the wiper back and forth, a valve controlling the operation of said piston, a single device for moving the wiper away from the glass and to one end of its stroke and for closing the valve, and means for releasably holding the wiper in the position to which it is moved by said device.

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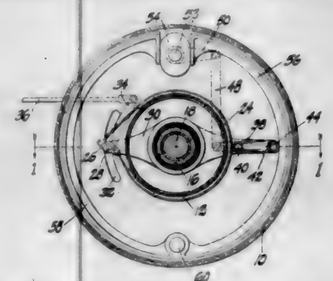
1,564,515. BOOSTER BRAKE. FERDINAND A. BOWER, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Sept. 21, 1923. Serial No. 664,067. 5 Claims. (Cl. 188—135.)

1. A vehicle comprising, in combination, a wheel having inner and outer brake drums, a contractable external braking device encircling the inner drum, an expansible braking device within the outer drum and movable into frictional engagement therewith, one of said devices having a limited movement with its drum, driver controlled means for applying the movable braking device



to its drum, and a connection operated by movement thereof for applying the other braking device to the other drum.

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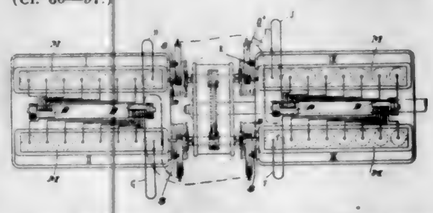
1,564,516. DEVICE FOR THE AUTOMATIC COUPLING AND UNCOUPLING OF ENGINES OPERATING UPON A COMMON PROPELLER. LOUIS BREGUET, Paris, France, assignor to Société Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Filed Dec. 22, 1921. Serial No. 524,211. 6 Claims. (Cl. 60—97.)



1. An arrangement for coupling a plurality of motors to a common shaft, comprising, in combination, means for determining the relative angular position of the cam shafts of said motors, and means for connecting each motor separately with said common shaft.

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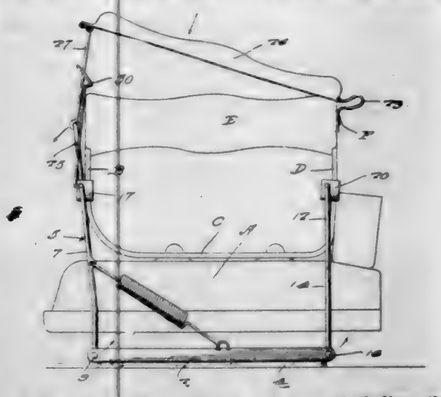
1,564,517. AUTOMATIC STAND FOR SADIRONS. WALTER BERNARD BROLIN, Boston, Mass. Filed May 26, 1925. Serial No. 33,011. 4 Claims. (Cl. 68—27.)



1. In combination with a sad iron including the handle, and the supporting uprights therefor, of a stand for the sad iron comprising a pair of base bars,



front and rear frames pivotally connected at their lower ends to the respective ends of the bars, said frames straddling the iron, means for detachably securing the frame to the uprights, and means associated with the stand for holding the base bars in an operative position whereby the sad iron is supported in a raised position.

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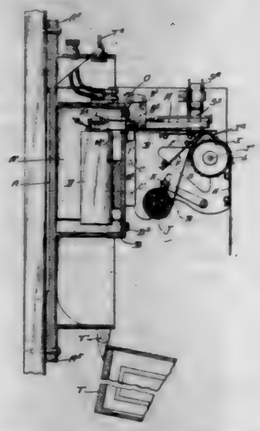
1,564,518. RECORDING METER. RICHARD P. BROWN, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 17, 1924. Serial No. 756,435. 8 Claims. (Cl. 234—5.5.)



3. In a recording instrument comprising a meter pointer movable in a horizontal plane and means for intermittently depressing the latter, the improved means for supporting and advancing a record strip comprising a feed roll and guide of inverted trough-like shape above the feed roll and forming a straight edge over which a record sheet is drawn sharply downward by the feed roll, said straight edge and pointer cooperating to form a record impression on the record strip when the pointer is depressed.

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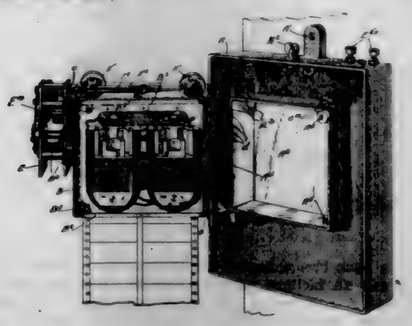
1,564,519. METER. RICHARD P. BROWN, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 17, 1924. Serial No. 756,475. 3 Claims. (Cl. 234—5.5.)



1. In an electrical recorder, the combination with a sensitive electrical meter having a deflecting pointer, of a housing for said meter comprising a base adapted to be secured to a supporting structure, a member normally extending across the front of said base and having said meter secured to its rear side and being formed with a slot through which the meter pointer projects, recording mechanism co-operating with the meter pointer and secured to the front side of the last mentioned member, and a hinge connection between said base and said member permitting the latter to be swung away from the base to render said meter accessible.

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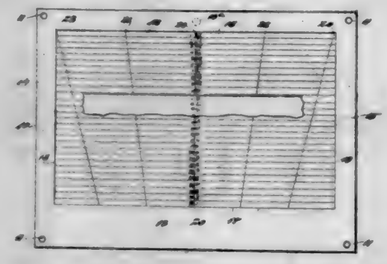
1,564,520. BUTTONHOLE INDICATOR. ELLIS BROWNSTEIN, Baltimore, Md. Filed July 13, 1920. Serial No. 395,963. 2 Claims. (Cl. 33—1.)



1. An indicator for determining spaced distances on goods by workmen, comprising a plate or card, there being a diagram inscribed thereon comprising a series of equally spaced parallel lines and a second series of converging lines intersecting the lines of the first series, the points of intersection of said two series of lines along any one of the parallel lines being adapted to be used to designate desired spaces on the goods substantially as shown and described.

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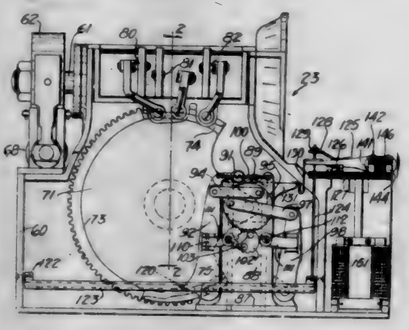
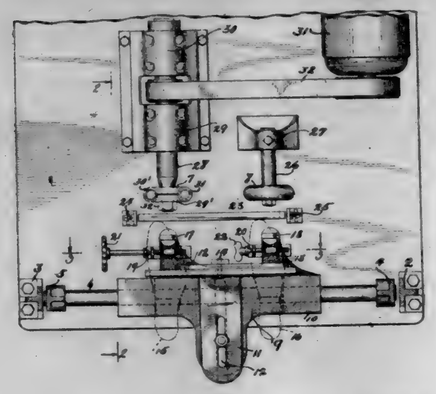
1,564,521. ELEVATOR-DOOR-OPENING MECHANISM. FREDERICK F. BRUSH and LUTHER E. GROAT, Los Angeles, Calif., assignors to Elevator Safety Appliance Co., Los Angeles, Calif., a Corporation of California. Filed Apr. 25, 1923. Serial No. 634,475. 24 Claims. (Cl. 187—52.)



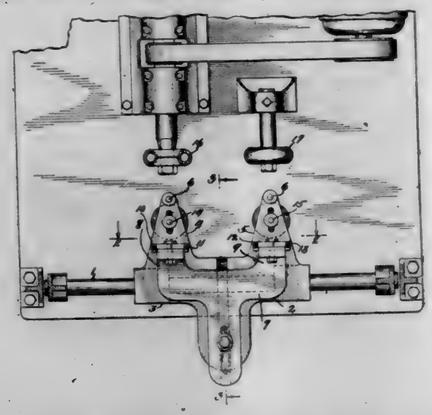
9. In an elevator: a car; a building structure in which said car moves; a door opening mechanism carried on the car; means carried on said car for inhibiting the operation of said mechanism; a ferrous member carried on said car forming a portion of a magnetic circuit; a ferrous member carried on said structure and so placed as to complete said magnetic circuit when said car is at or near a floor; means carried on said car for energizing said magnetic circuit; and parts so constituted as to remove said inhibition from said mechanism upon the completion of said circuit.

1,564,522. MACHINE FOR FINISHING THE TOE OF LASTS. WILLIAM J. BURKE and HENRY G. CLAUSING, Portsmouth, Ohio. Filed Jan. 10, 1923. Serial No. 611,834. 2 Claims. (Cl. 144—278.)



1. In a machine of the class described, a chuck for holding a last and a model, jaws adjustably mounted on said chuck, said jaws being spaced a fixed distance from each other, one of said jaws engaging a portion of the last and the other a portion of the model, a pair of fixed jaws also carried by said chuck one of said fixed jaws engaging the last and the other the model and a pair of movable clamping jaws carried by said chuck and movable into and out of last and model engaging positions, said last named jaws engaging the last and the model on the side opposite to the jaws first mentioned.

1,564,523. MACHINE FOR FINISHING THE TOE AND INSOLE OF LASTS. WILLIAM J. BURKE and HENRY G. CLAUSING, Portsmouth, Ohio. Filed Jan. 10, 1923. Serial No. 611,835. 4 Claims. Cl. 144—278.)

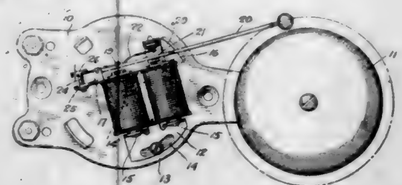


1. In combination a chuck, a support carried thereby for supporting a last block on the chuck, adjustable supports, said adjustable supports being adjustable relative to the first mentioned support to adapt the chuck for last blocks of different sizes, and a securing member adapted to engage the underside of the last to hold the same in place upon said supports.

1,564,524. ACCUMULATOR GRID OR PLATE. JAMES MCDONALD BURNETT, Weston-by-Welland, England. Filed May 6, 1924. Serial No. 711,466. 1 Claim. (Cl 136—66)

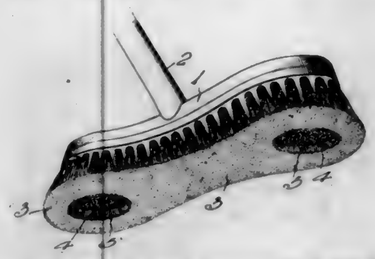
An accumulator plate comprising a plurality of individual unit plates of soft lead, formed each with edge grooves and correlated so that said grooves co-operate to form a hidden network of communicating and intersecting channels running throughout the extent of said accumulator plate, and a concealed framework of rigid conducting material cast within said communicating and intersecting channels and thereby rigidly securing said unit plates together, whereby the whole exposed surface of said accumulator plate is of soft lead but the strength thereof resides in the rigid concealed framework.

1,564,525. ELECTRIC VIBRATOR. JOSEPH O. CADIEUX, Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Meriden, Conn., a Corporation of Connecticut. Filed Oct. 28, 1921. Serial No. 511,140. 2 Claims. (Cl. 177—7.)



1. In an electric vibrator, an electromagnet, a yoke carried thereby, an armature pivotally carried by said yoke, a spring member secured to said armature, an adjusting screw passing through one end of said spring and adjustable in said yoke, and a stationary contact also carried by said yoke and co-acting with the opposite end of said spring.

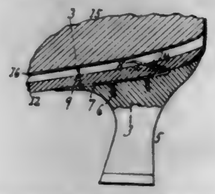
1,564,526. PUSH BROOM. ALBERT A. CALLAIS, Plaquemine, La. Filed Apr. 30, 1925. Serial No. 26,990. 1 Claim. (Cl. 15—159.)



In a push broom having a horizontally elongated rigid back and an inclined handle extending from the central portion of said back; a compact mass of soft bristles projecting downwardly from said back and having two continuous-walled recesses from said back to the lower surface of the mass, said recesses being near the ends of said mass but spaced inwardly from the sides and ends of such mass, and stiff members in said recesses secured to the broom back and terminating in a plane spaced above the lower surface of said mass of soft bristles, said stiff members being adapted to slide along a floor being swept to carry the weight of the aforesaid back thereby relieving the soft bristles of such weight and preventing distortion of said soft bristles.

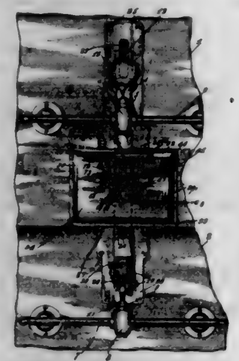


1,564,527. HEEL FASTENER. MARK CANGEN, Brooklyn, N. Y. Filed Aug. 18, 1924. Serial No. 732,715. 7 Claims. (Cl. 36—34.)



1. A heel fastener having a hook for engagement with a slitted sole, and a prong made to clinch the sole.

1,564,528. LOCKING ATTACHMENT. JOSEPH CARTELLI, Brockton, Mass. Filed June 24, 1925. Serial No. 39,278. 7 Claims. (Cl. 70—127.)

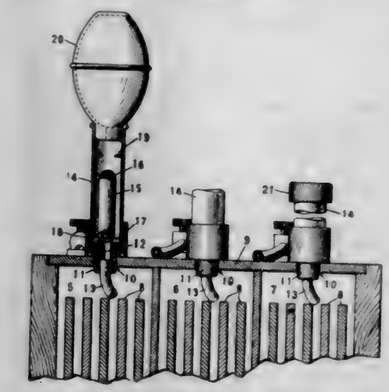


1. A locking attachment for the purpose set forth comprising the combination with a shiftable locking element for a fuel supply and a shiftable controller for an ignition system, of a permutation locking mechanism including a locking arm for said element and a combined shifting and locking member for said controller.

1,564,529. DISH DISPENSER. WILLIAM F. CARTER, Kansas City, Kans. Filed Nov. 12, 1923. Serial No. 674,353. 2 Claims. (Cl. 211—16.)

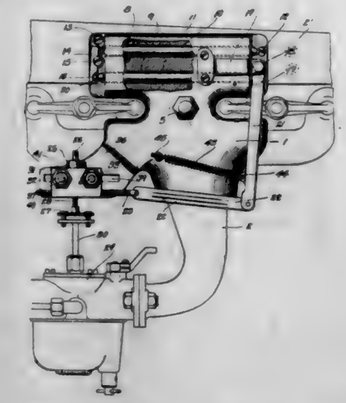
1. A dish dispenser provided with a container having a dish discharge opening, a dish insertion opening above said dish discharge opening, a closure for said dish insertion opening, and a dish supporting member having a rearwardly and downwardly extending supporting surface having a depression at its front portion the rear edge of which depression is above and spaced apart from the lower edge of said dish discharge opening.

1,564,530. STORAGE BATTERY. EDWARD C. CLIFFORD, New York, N. Y. Filed July 19, 1922. Serial No. 575,920. 11 Claims. (Cl. 265—45.)



1. The combination with a storage battery cell having a hollow plug communicating with the interior thereof, of a hydrometer receptacle secured to said plug, said plug being provided with a tube communicating with the electrolyte within the battery.

1,564,531. VALVE-OPERATING MECHANISM. WILLIAM E. CONCANNON, Kansas City, Mo., assignor of one-half to Thomas G. Concannon, Emporia, Kans. Filed Sept. 12, 1923. Serial No. 662,196. 4 Claims. (Cl. 123—124.)



1. In a device of the class described, a plurality of parallel co-operating longitudinally expansible thermostatic elements having movement compounding means between them and valve actuating mechanism actuated by said elements, said valve actuating mechanism comprising a bracket, a pivoted lever arm on the bracket having an offset bearing against one end of one of the expansible thermostatic elements, a link connected to the lever arm, a spring connected to the lever arm and an-

chored at one end, a rack connected to the link, a laterally adjustable bracket, a stem mounted in the bracket, a pinion on the stem engaging the rack and means on the stem for engagement with the needle valve of a carburetor.

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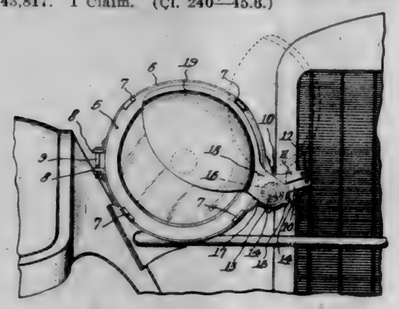
1,564,532. AUTO HEADLIGHT. HERBERT A. CORLISS, Grants Pass, Oreg. Filed July 15, 1925. Serial No. 43,817. 1 Claim. (Cl. 240—45.6.)



A headlight shield comprising a supporting band, means for securing the band to a headlamp, a bracket member carried by the band and having an arm formed with a guide opening, a shield pivotally mounted on the bracket, an arm having a lateral extension, forming a part of the shield, a flexible member connected with the lateral extension and passing through the guide opening, said flexible member adapted to be operated to move the shield to its active position, and a coiled spring for returning the shield to its inactive position.

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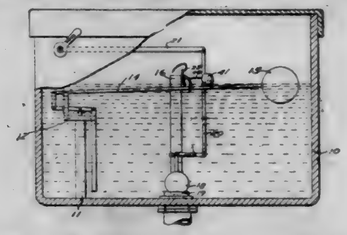
1,564,533. VALVE-CONTROL MECHANISM. HERMAN R. CUNNINGHAM, Glendale, Calif. Filed Mar. 8, 1924. Serial No. 697,721. 7 Claims. (Cl. 137—104.)



6. In a flush tank, a container, a water inlet, an outlet, an overflow pipe, a valve for controlling said water inlet, a lever for operating said valve, a float mounted on said lever, and an arm pivotally mounted on said lever, said arm comprising a substantially L-shaped member having a re-entrant portion on one limb of the L, said re-entrant portion including a hump, an auxiliary float, a support for said auxiliary float, means on said support for engaging the hump to hold the lever depressed when the auxiliary float is in its lower position and additional means for engaging the re-entrant portion to release said first mentioned means when the auxiliary float is raised.

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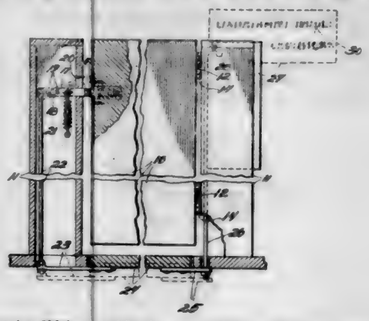
1,564,534. GATE CONSTRUCTION FOR STORES. JULIUS CYTRON, Tulsa, Okla. Filed Nov. 13, 1922. Serial No. 600,744. 2 Claims. (Cl. 211—8.)

2. A gate construction for stores comprising, in combination, an entrance gate, a sign panel mounted adjacent said gate for vertical movement into and out of display position and maintained by gravity in lowered position, a tread-operated device located opposite the approach to the gate, and connections actuated by said device for automatically unlatching said gate and simultaneously lifting said sign panel into display position, the return movement of said panel into lowered position tending through its connection with said tread-operated device, to restore the latter to initial position.



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1,564,535. OIL GAUGE. ERNEST DAVIS, Chicago, Ill. Filed June 11, 1923. Serial No. 644,769. 1 Claim. (Cl. 221—26.)

In an oil gauge having a pivotally mounted spout, means for moving the spout on its pivotal support, comprising an arm extending radially from the pivotal center of the spout, a rod pivotally connected with the outermost end of the arm at one end and having its opposite end projected through a stationary member, a hand grip disposed on the outermost end of the rod, and a spring for yieldingly maintaining the rod in a position whereby the spout extends in a substantially vertical position.

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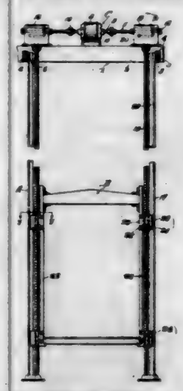
1,564,536. ELEVATOR HOIST. HAROLD ALTON DAVIS and PAUL SILAS NEWCOMER, Fostoria, Ohio. Filed Feb. 14, 1924. Serial No. 692,715. 1 Claim. (Cl. 187—24.)



In a device of the kind described, a pair of vertically disposed spaced T-irons, a pair of vertically disposed screws each adjacent one of said T-irons, the webs of said T-irons confronting each other, pairs of nuts, each pair being disposed on a respective screw in spaced relation, spaced arms extending from each other to embrace the web of the adjacent T-iron, other spaced arms projecting from the respective nuts in a direction opposite the first mentioned arms, and connecting members each associated with the nuts on a respective screw, each of said connecting members being fitted within the last mentioned arms of the respective nuts, and bolts passing through said arms and connecting members to secure the latter fixedly to the nuts.

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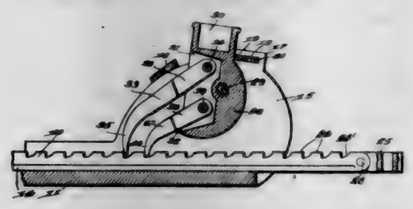
1,564,537. CHAIN TIGHTENER. PETER DELLE, Spokane, Wash. Filed Apr. 2, 1925. Serial No. 20,273. 2 Claims. (Cl. 254—72.)



1. In a chain tightener, a guide body having chain connecting means, a rack bar slidable in said body and having chain connecting means, a pawl block pivoted to oscillate in said body, a set of pawls for coaction with the teeth of said rack bar and being pivoted to said block to be actuated thereby to advance said bar, a fixed stop on said body limiting rocking movement of said block in one direction, and yielding stop normally limiting rocking movement of said block in a direction opposite to the first named direction and adapted to yield under abnormal pressure to actuate said pawls to free said rack bar.

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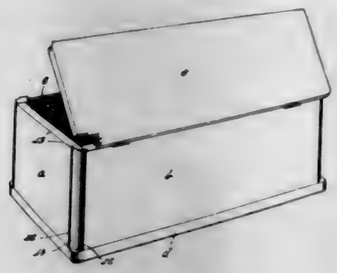
1,564,538. CORNER JOINT FOR BOXES AND METHOD OF MAKING THE SAME. LOUIS F. DETTENBORN, Hartford, Conn. Filed Mar. 12, 1925. Serial No. 15,008. 3 Claims. (Cl. 217—69.)



1. A corner joint for boxes, comprising a pair of angularly disposed boards provided with inter-engaging tenons, the exterior corner formed by said inter-engaging tenons being cut away and rounded to provide a counter sunk curved surface and the shoulders at opposite sides of the curved surface being undercut with the inner walls of such cuts providing continuations of the curved surface, and a thin curved strip seated against said curved surface and with its opposite edge portions engaging in the undercuts of said shoulders to retain the strip over the inter-engaging tenons.

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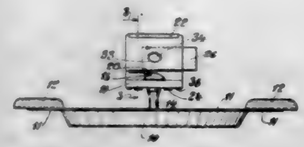
1,564,539. COMBINATION MATCH-BOX HOLDER AND CIGAR CUTTER. VINCENT DI GIGLIA, Brooklyn, N. Y. Filed Apr. 22, 1925. Serial No. 24,934. 1 Claim. (Cl. 131—66.)



A match box holder and cigar cutter comprising a metal plate bent to produce a flooring for a match box, a vertical side wall, an opposed side wall bent angularly outward and inward at an included angle of approximately ninety degrees, its upper edge being disposed substantially level with the coresponding edge of the first named wall, a plate attached to the upper edge of said angular wall and to its junction with said flooring to extend vertical therebetween, end walls formed with said vertical plate to extend coincidentally with the angular walls, the lower of said angular walls having a discharge opening and the upper of said angular walls having an opening receptive of the end of a cigar, a shear plate slidably engaged closely adjacent the inner surface of said upper angular wall, said shear plate having an opening registerable with the opening in the angular wall, and a spring co-operatively acting between said shear plate and angular wall whereby the shear plate is held normally extended and the mentioned opening in register.

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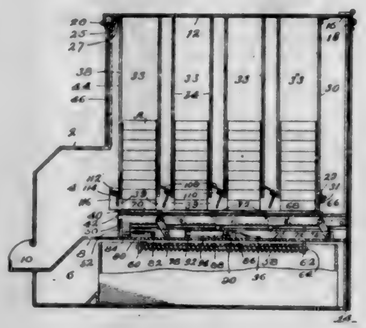
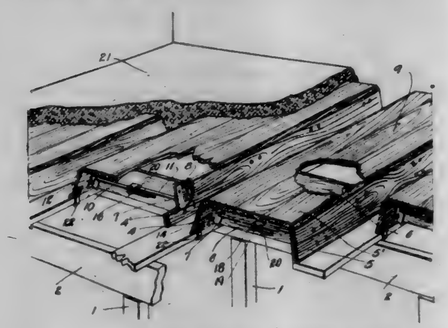
1,564,540. VENDING MACHINE. EDWARD N. DINWIDDIE, Kansas City, Mo. Filed Dec. 11, 1922. Serial No. 606,066. 3 Claims. (Cl. 211—8.)



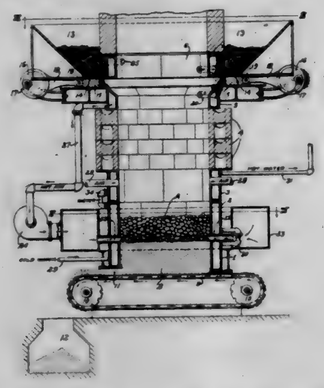
1. In a vending machine, a magazine having a series of compartments for holding articles and arranged one in advance of the other and having alined outlets at their lower portions, a slide extending beneath said outlets to support and deliver the articles and having openings equal in number to the compartments, a series of abutments pivotally connected to the slide and extending through said openings to coact with said slide in delivering the articles, a bar swingably-connected to the underside of the slide and upon which said abutments rest, spring-means for normally holding said bar in lowered postion, and means in the path of the bar for raising the same as it moves forward with the slide so that the bar in turn will raise the abutments to engage and advance the articles with the slide.

1,564,541. CONCRETE FORM. LESLIE H. DODD, Kansas City, Mo. Filed Mar. 2, 1925. Serial No. 12,722. 5 Claims. (Cl. 25—131.5.)



1. A form, comprising two side members, pairs of complementary spaced cleats on the inner face of each side member, a spacing bar, the ends of which are located between the complementary cleats of each side member holding the side members in spaced relation, top boards on the side members and the spacing bar, and a tie rod, comprising two members adjustably connected together, each member having a right angular extension passing transversely through the cleats and through the spacing bar to secure the spacing bar to complementary cleats of each pair.

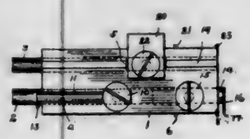
1,564,542. METHOD OF MAINTAINING COMBUSTION IN FURNACES. WILLIAM M. DUNCAN, Alton, Ill. Filed Jan. 17, 1924. Serial No. 686,763. 4 Claims. (Cl. 110—1.)



1. The method which comprises burning a bed of fuel on a bed of ashes, moving the lower portion of said bed of ashes away from the upper portion thereof, confining the fuel bed and maintaining an open space for combustion above the surface of the burning fuel, feeding fresh fuel into said open combustion space and distributing it over the surface of the burning fuel at the bottom of said space, and introducing air into the burning fuel.

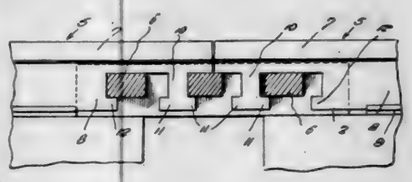
1,564,543. GAUGE. GUSTAVE O. ELLINGSON, Bemidji, Minn. Filed Dec. 10, 1924. Serial No. 754,962. 1 Claim. (Cl. 33—44.)

A carpenter's gauge of the type described comprising an elongated body portion carrying longitudinally adjustable gauge rods therein, one of said rods carrying a gauging member protruding from one side face of the body portion, another of said rods carrying a gauging



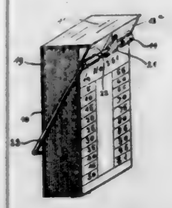
member protruding from the end face of the body portion, and a fixed gauging member intermediate of the adjustable gauging members.

1,564,544. RAIL JOINT. CHARLES ELVIN ELLIOTT, Wellsburg, W. Va. Filed May 11, 1925. Serial No. 29,440. 2 Claims. (Cl. 238—177.)



1. In a rail joint of the class described, a rail chair comprising spaced parallel vertical side plates provided with outwardly extending base flanges, longitudinally spaced connecting bridges between the side plates, a pair of complementary rail sections having extended web and ball portions, the extended web portions being fashioned to provide depending tongues, laterally extending locking lugs on the free ends of the tongues, said locking lugs being slidably cooperative with the aforementioned bridges to detachably secure the rail sections in said chair.

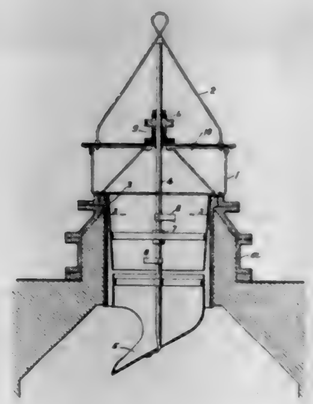
1,564,545. COMBINED HOLDER AND NOTCHER OR CUTTER FOR CASH TICKETS. CHARLES A. ERICKSON, Chicago, Ill. Filed May 6, 1925. Serial No. 28,393. 2 Claims. (Cl. 211—37.)



1. In a device of the class described the combination with an elongated plate having at its upper end a forward disposed top portion provided at its front part with a downwardly extended front holding part for a package of tickets, said front holding part having at its lower edge a bearing, of a link embracing said plate and journaled in said bearing and a cutter extended upwardly from said bearing and adapted to cooperate with said front holding part for forming a notch in a ticket.

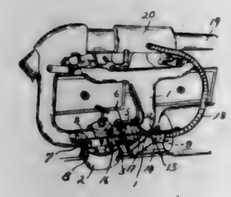


1,564,546. FUEL SPREADER FOR GAS GENERATORS OR THE LIKE. OWEN B. EVANS, Philadelphia, Pa., assignor to The U. G. I. Contracting Company, Philadelphia, Pa., a Corporation of Delaware. Filed Apr. 28, 1921. Serial No. 465,184. 3 Claims. (Cl. 214—35.)



2. A fuel spreader for gas generators including a rotary chute arranged to discharge onto and against the side wall of the generator, thereby compelling coarse pieces of fuel to rebound from the walls to the center and fine pieces of fuel to remain at the walls.

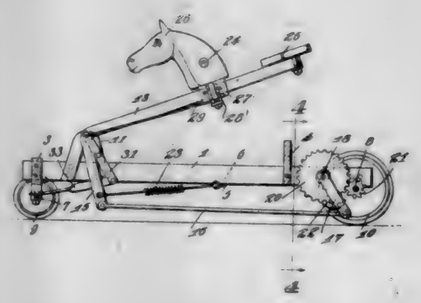
1,564,547. AUXILIARY AIR-INLET CONTROL. JOHN FARKAS, Detroit, Mich., assignor of one-half to Charles H. Grieser, Detroit, Mich. Filed Sept. 30, 1921. Serial No. 504,529. 3 Claims. (Cl. 123—119.)



1. The combination with an intake manifold and a carbureter connected thereto having a throttle valve and a choke valve, of a single air inlet valve controlling the entrance of the auxiliary air into said manifold, a rock arm for operating said valve, connections between said rock arm and said throttle valve for normally operating the former with the latter and other connections between said rock arm and said choke valve for operating the former from the latter independently of the position of said throttle valve.

1,564,548. CHILD'S WHEELED VEHICLE. JAMES W. FOND, Galesburg, Ill. Filed Dec. 14, 1923. Serial No. 680,675. 4 Claims. (Cl. 208—36.)

1. In a vehicle of the class described, a wheel supported frame, a bell crank lever fulcrumed on said frame, a seat carried by said lever, gears connected to drive one set of wheels and a rod and link connection between the

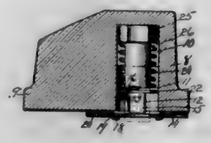


bell crank and one of the gears whereby rotary motion is imparted to the gear on the vertical movement of the seat.

1,564,549. PROCESS OF PREPARING PROPELLANT POWDERS. CHARLES R. FRANKLIN, Dover, N. J. Filed Dec. 19, 1923. Serial No. 681,629. 10 Claims. (Cl. 52—20.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

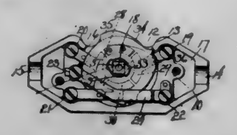
1. The process of preparing a propellant powder which includes mixing nitrocellulose of approximately 12.60% nitrogen content with a large excess of water, then adding the necessary amount of nitroglycerine with rapid agitation, then wringing out the excess of water, then adding a stabilizer and a proper amount of a flash reducing compound and mixing, then passing the material thus formed through heated pressure rolls, then seasoning for a proper period, then mixing the whole with a proper amount of a volatile solvent then again passing through heated rolls until the mass becomes a uniformly, cohering, colloided substance, then cutting and drying.

1,564,550. KNOB FOR SNAP SWITCHES. FREDERIC P. GATES, West Hartford, Conn., assignor to The Fuller-Gates Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 16, 1924. Serial No. 686,644. 10 Claims. (Cl. 200—172.)



2. A switch knob having a hole therein with a locking recess in the wall of said hole, means for attaching said knob to a switch spindle, and a plate located on the under side of said knob and surrounding the lower end of the opening and having an arm with a locking finger thereon located in said recess to secure said plate to the knob.

**1,564,551. ELECTRIC SWITCH.** FREDERIC P. GATES, West Hartford, Conn., assignor to The Fuller-Gates Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 2, 1925. Serial No. 90. 14 Claims. (Cl. 200—63.)



1. An electric switch including a switch blade, a thumb disc operatively connected with said blade to rotate it, and a shoulder located in the path of movement of a thumb engaged with said disc to rotate it and to limit rotation of said disc.

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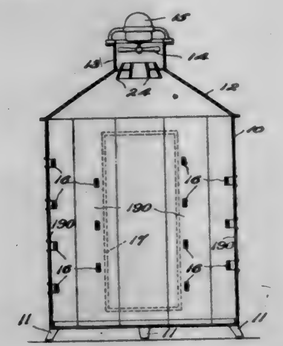
**1,564,552. APPARATUS FOR THERAPEUTIC TREATMENT.** THEODORE R. N. GERDES, New York, N. Y. Filed Oct. 17, 1921. Serial No. 508,349. 2 Claims. (Cl. 174—177.)



1. A therapeutic apparatus comprising a chamber for holding a patient, means for directing radiant heat against the patient's body while within said chamber and means for directing a stream of cooling air over the parts of the patient's body so heated.

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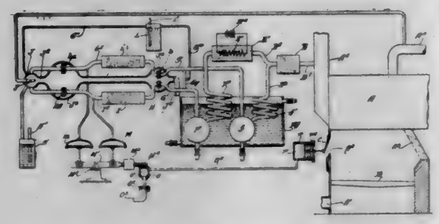
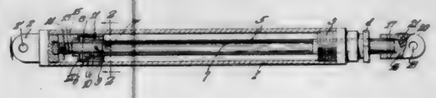
**1,564,553. COMBUSTION REGULATION.** GEORGE H. GIBSON, Montclair, N. J. Filed Feb. 25, 1921. Serial No. 447,904. 8 Claims. (Cl. 236—1.)



1. The combination with a furnace of means responsive to the presence of combustible constituents in the gaseous products of combustion leaving the furnace for automatically regulating the ratio between the rate at which fuel is actually burned in the furnace and the rate at which air is supplied thereto for the combustion of the fuel.

**1,564,554. CHECK DEVICE.** RICHARD T. GIFFORD, Springfield, Mass., assignor to Edward N. White, J. Lewis Wyckoff, and George R. Burkhardt, trustees, doing business as Cowan Truck Company, Holyoke, Mass. Filed July 26, 1924. Serial No. 728,415. 15 Claims. (Cl. 188—96.)



1. A liquid checking device comprising a closed cylinder adapted to be filled with liquid, a piston for reciprocatory movement in said cylinder and having a hollow piston rod movable in and out of said cylinder, a communicating port between the interior of said piston rod and said cylinder at the rear of the piston chamber whereby the interior of said rod may serve as an overflow chamber for the liquid in said cylinder displaced by said piston rod.

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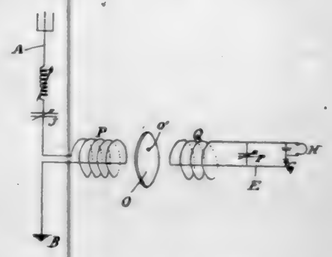
**1,564,555. VARIABLE ELECTRICAL CONTROLLING ELEMENT.** ALFRED NORTON GOLDSMITH, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a Corporation of Delaware. Filed July 31, 1919. Serial No. 314,480. 13 Claims. (Cl. 171—119.)



1. A variable radio coupler comprising coaxial current carrying coupling coils and a parallel shield of conducting material in the mutual field of the coils, said coils and shield being relatively movable in a direction transverse to the axis of the coils whereby the coupling between the coils may be varied.

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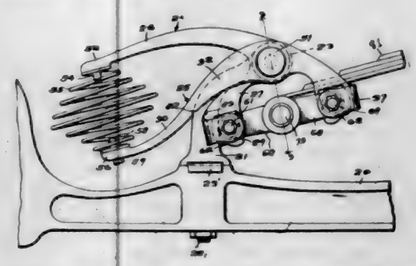
**1,564,556. SHOCK ABSORBER.** ROBERT L. GOODFELLOW, Binger, Okla. Filed Dec. 15, 1924. Serial No. 756,059. 6 Claims. (Cl. 267—17.)



1. In a shock absorber, a perch, a pair of levers pivotally mounted upon the perch between their ends and having parts which cross, a compressible coil spring held between corresponding ends of the levers, hooks formed upon the opposite ends of the levers, links having their outer ends pivotally mounted within the hooks, grease cups receiving the outer ends of the links and arranged between the links and the sides of the hooks, a pivot element connecting the inner ends of the links, and a leaf spring supported by the pivot element.



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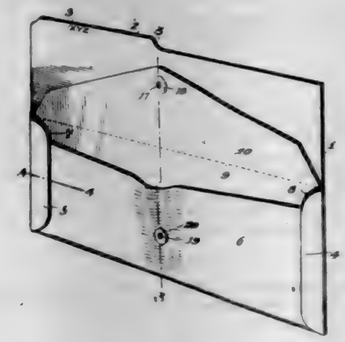
**1,564,557. FILING RECEPTACLE.** ABRAHAM S. GREENHAUS, New York, N. Y. Filed Nov. 20, 1924. Serial No. 751,089. 6 Claims. (Cl. 129—16.7.)



1. A filing receptacle for the purpose set forth, comprising an index member, and means integral therewith and secured thereto to form a closable envelope forwardly thereof, said means in connection with said member providing a compartment at the rear of the envelope.

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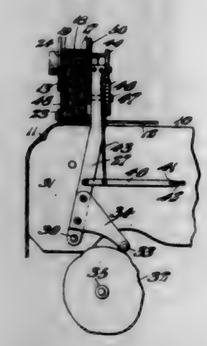
**1,564,558. RECORDING INSTRUMENT.** GEORGE W. GRISDALE, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 13, 1923. Serial No. 657,245. 6 Claims. (Cl. 234—11.)



5. In a multiple recorder of the type comprising a movable pointer, mechanism for intermittently depressing said pointer and means adjustable to bring one or another section of a transfer medium comprising a plurality of differently colored sections into record impressing relation with the pointer when the latter is depressed, the improved means for producing more differently colored records than there are colored sections of said transfer medium comprising mechanical provisions operating in timed relation with said mechanism for adjusting the first mentioned means to form record impressions in recurring series each of which comprises a plurality of successive sections of record indications and each of which sections includes one record impression for each record to be produced and said impression being so colored that the record impressions in successive sections forming a part of any one record are of the same color in the case of some, and different in color from one another in the case of others of the records produced.

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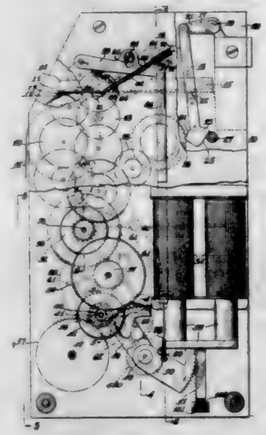
**1,564,559. RECORDING INSTRUMENT.** GEORGE W. GRISDALE, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 31, 1923. Serial No. 671,962. 18 Claims. (Cl. 234—11.)



1. In a recording instrument, the combination with a deflecting pointer, of means for intermittently depressing said pointer comprising a rotating peripherally notched cam, a member having a tooth engaging the periphery of said cam, guiding means for a portion of said member adjacent said tooth compelling the latter to move tangentially as well as radially of said cam as it enters and leaves a peripheral notch of the latter, and guiding means for a portion of said member remote from said tooth constraining said last mentioned portion to movement along a path approximately parallel to the tangential movement of said tooth.

18. In a recording instrument, the combination of a recording mechanism including a chart, a colored impression ribbon, a pointer, electrical means for controlling said pointer, and a depressor bar, means including a clock mechanism for actuating said depressor bar, said chart and the feeding of said ribbon, a rotatable switch for separately connecting electrical circuits to said pointer controlling means, and means including a solenoid for intermittently operating said switch.

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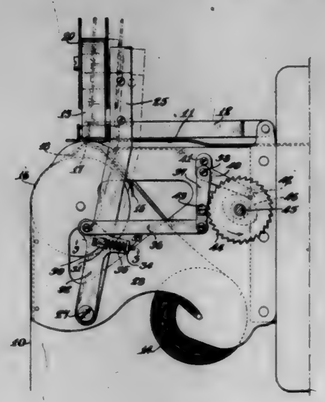
**1,564,560. RECORDING INSTRUMENT.** GEORGE W. GRISDALE, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 31, 1923. Serial No. 671,963. 13 Claims. (Cl. 234—1.)

2. In a recording instrument comprising means for supporting and advancing a record chart, a meter pointer swinging over said chart and a transfer ribbon through

which the pointer may mark its position relative to said chart on the latter, the improvement which consists in means for intermittently shifting said ribbon relative to



said chart back and forth between an advanced recording position and a retracted position in which the record previously formed is visible.

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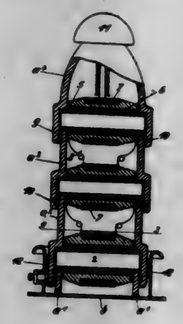
1,564,561. SHELL FOR INDUCTIVE HIGH-TENSION APPARATUS CONSISTING OF ANNULAR INSULATING MEMBERS. HUGO KARL GRÜNDIG, Dresden, Germany. Filed July 6, 1925. Serial No. 41,854. 5 Claims. (Cl. 175—361.)



1. In an inductive high tension apparatus, particularly a high tension transformer, consisting of several inductive units of different potential, a column-like shell composed of several superposed annular insulating members and in which the transversely extending cores of the different units are arranged between the edges of two adjacent shell members.

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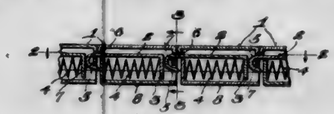
1,564,562. MANUFACTURE OF FIREWORK ARTICLES. HANS GRÜNEWALD, Hanover, Germany. Filed Apr. 5, 1924. Serial No. 704,512. 8 Claims. (Cl. 102—20.)

1. The method of producing fire work articles, which consists in spacedly disposing a plurality of dried pieces of pyrotechnic composition upon an elongated cord-like unexploding carrier, and shaping the carrier with said pieces to assume different configurations.

1,564,563. EXPANSIBLE BRACELET. ART HADLEY, Providence, R. I., assignor to The Hadley Company, Providence, R. I. Filed Feb. 9, 1925. Serial No. 8,027. 2 Claims. (Cl. 59—79.)



1. In an expansible bracelet, boxes having top, bottom and side walls, each box having a transverse slot extending across its bottom, and having a slot at one end and a bar extending across its opposite end, a longitudinally movable slide in each box having a right angular end and a hook-shaped end the latter projecting through the slot at the box end and being engaged with the bar of an adjacent box, and a coil spring in the box engaged with the right angular end of the slide and with the end of the box having the slot, the slots in the box bottoms being of a size to admit a means of engaging the right-angular end of the slide to hold the latter against longitudinal movement and with the hook thereof projected outwardly of the box.

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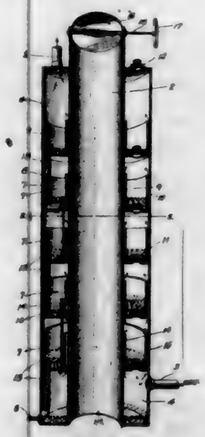
1,564,564. DEPHLEGMATOR. JOHN W. HANCOCK, Ardmore, Okla. Filed Feb. 16, 1923. Serial No. 619,372. 4 Claims. (Cl. 257—36.)



1. A dephlegmator comprising a tower adapted to be air cooled, a stack adapted to be air cooled passing through the tower, ring-shaped collectors within the tower concentric with the air stack, the walls of the collector chambers being spaced from the stack and from the tower, an inlet for the tower and an outlet pipe leading therefrom.

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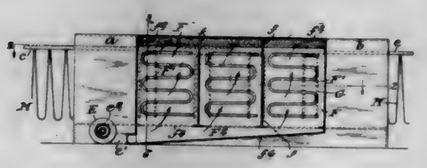
1,564,565. METHOD OF DRYING AND OXIDIZING MATERIALS IN SUSPENDED CONDITION. GORDON DON HARRIS, Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn., a Corporation of Connecticut. Original application filed Oct. 28, 1920, Serial No. 419,052. Divided and this application filed Oct. 30, 1922. Serial No. 597,712. 11 Claims. (Cl. 34—24.)

10. In the art of drying and oxidizing materials, the process which consists in moving suspended material within a substantially closed chamber, recirculating a definite volume of a drying atmosphere by exhausting



said atmosphere in a relatively humid condition from the presence of the material in said chamber, dividing the recirculated atmosphere into a plurality of streams channeling the flow of said atmosphere exteriorly to



the substantially closed chamber, separately conditioning the respective streams of the recirculated atmosphere by the admixture of fresh atmospheric air therewith and by reheating the same, and returning said atmosphere to the chamber.

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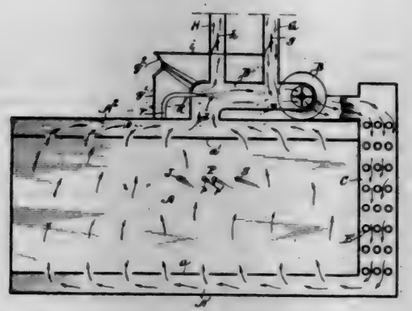
1,564,566. ART OF DRYING MATERIALS. GORDON DON HARRIS, Freeport, N. Y., assignor to The Industrial Dryer Corporation, Stamford, Conn., a Corporation of Connecticut. Filed Feb. 18, 1924. Serial No. 693,474. 18 Claims. (Cl. 34—19.)



4. In the art of drying and conditioning materials, the process which consists in recirculating a drying atmosphere within a desired circulatory path, reheating the atmosphere during the recirculation thereof, controlling the periods of such reheating dependent upon changes in the temperature of the atmosphere, conditioning the atmosphere by discharging from the circulatory path a volume of the atmosphere charged with moisture and replacing with fresh air the atmosphere so discharged, and controlling the periods of such conditioning of the atmosphere dependent upon changes in the moisture content of the atmosphere itself.

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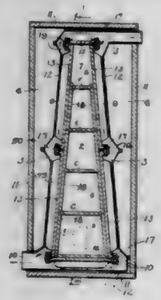
1,564,567. AIR HEATER. BURT S. HARRISON, Chicago, Ill., assignor to Drying Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed Aug. 24, 1922. Serial No. 584,016. 2 Claims. (Cl. 126—99.)

1. An air heater comprising, in combination a closed air chamber having an inlet and an outlet at points in effect remote from each other along the line of travel of the air and a furnace proper contained therein including a fire box part and a combustion chamber merging therewith, said furnace being formed with upwardly convergent walls and being provided with horizontally disposed baffles spaced apart vertically, the convergence of the walls being adapted to accommodate a substantially constant velocity of the gradually cooling products of



combustion, said furnace having an inlet for the fuel in its lower part and an outlet for the gases of combustion in its upper part.

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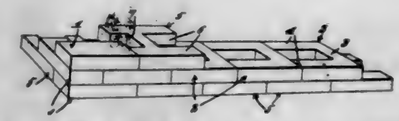
1,564,568. BUILDING BLOCK AND WALL. BENJAMIN F. HAYDEN, Springfield, Mo., assignor to Haydenite Brick and Machinery Company, a Corporation of Missouri. Filed Sept. 13, 1922. Serial No. 588,028. 1 Claim. (Cl. 72—39.)

A wall made up of H-shaped blocks and U-shaped blocks laid in alternating courses, and oblong blocks disposed at right angles to each other at a corner of the wall, the oblong blocks cooperating with the courses to dispose the H-shaped and U-shaped blocks of adjoining courses in break-joint order and to aline the transverse parts of the U-shaped and H-shaped blocks vertically.

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1,564,569. PISTON AND PACKING CONSTRUCTION. GEORGE N. HEIN, San Francisco, Calif. Filed Aug. 26, 1924. Serial No. 734,210. 5 Claims. (Cl. 128—219.)

4. A piston and packing construction for syringes comprising a piston having a flange extending outwardly at right angles from one end, the outer face of said flange being bevelled to afford a surface facing the end of the piston, and a tubular elastic packing of a normal

diameter less than that of the flange and stretched over the same, the end of said packing being bevelled to correspond with the bevel of the flange whereby the packing end wall will lie parallel with the end of the piston.

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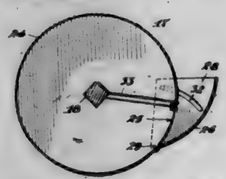
1,564,570. RIDDLE. FREDERICK HENKEL, Long Beach, Calif. Filed Aug. 4, 1924. Serial No. 730,105. 3 Claims. (Cl. 209—286.)



1. A riddle comprising a rotary tubular body closed at its ends and having a peripheral wall formed of screening, and provided with a longitudinally extending feed discharge opening, a barrier wall within said tubular body extending part way thereacross between the ends thereof adapted to trap coarse materials in the riddle and inhibit their discharge on rotating the riddle in one direction, and a panel projecting outwardly from the lower margin of said feed and discharge opening, said panel being adapted to scoop up material and deliver it to the interior of the riddle.

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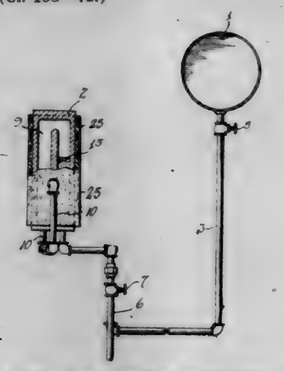
1,564,571. OIL BURNER. MATT HEROD, Michigan City, Ind. Filed Oct. 27, 1924. Serial No. 746,186. 1 Claim. (Cl. 158—71.)



A device of the type described comprising a generator substantially rectangular in cross section and having a wide flat exterior surface, said generator having a U-shaped passageway therein, the legs of said passageway extending downwardly and being disposed in a vertical plane, means for conveying oil to said generator, and a burner in communication with said generator, said burner being positioned so as to direct the flame against the broad flat side of the generator.

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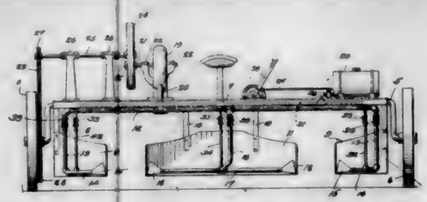
1,564,572. COTTON SPRAYER. WILLIAM F. HESTER, O'Brien, Tex. Filed July 3, 1924. Serial No. 724,054. 1 Claim. (Cl. 299—29.)

A spraying device comprising a wheel supported frame, a transversely extending horizontally disposed discharge pipe supported at the rear of the frame, pipes extending downwardly from the discharge pipe, nozzle carrying pipes communicating with the downwardly extended pipes, and arranged in parallel relation with the first mentioned pipe under the frame, nozzles carried by the ends of the last mentioned pipes, vertically disposed plates arranged in advance of said last mentioned pipes, and intersecting the horizontal plane of said pipes on



lines oblique to the axis of said pipes, each plate having one end in proximity to a nozzle, and said plates adapted to engage plants over which the machine is moving to move the plants adjacent to the nozzles.

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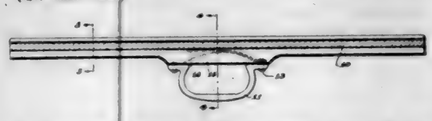
1,564,573. HANDLE FOR SLIDABLE PANELS. MATTHEW R. HULL and CLIFFORD O. WILLIAMSON, Connersville, Ind., assignors to Rex Manufacturing Company, Connersville, Ind., a Corporation of Indiana. Filed July 15, 1924. Serial No. 726,222. 6 Claims. (Cl. 296—44.)



6. A handle attachment for a movable panel of glass comprising a hand grip detachably clamped to the edge of the panel and carrying a member yieldingly held in frictional contact with a face of the slide in which the panel is mounted, whereby said panel may be moved by said handle and supported in adjusted position, substantially as set forth.

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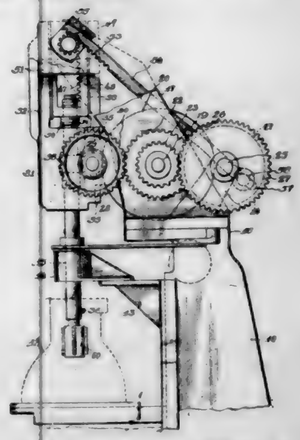
1,564,574. MACHINE FOR LAPPING AND HONING CYLINDERS. WILSON P. HUNT, Moline, Ill., assignor to Moline Tool Company, Moline, Ill., a Corporation of Illinois. Filed July 29, 1924. Serial No. 728,942. 5 Claims. (Cl. 51—34.)



5. In a lapping machine, a plurality of rotatable spindles, reciprocable slides upon which said spindles are rotatably mounted, the central portions of said slide being open, racks upon a longitudinal edge of each opening, a rotary reciprocable shaft extending through



the openings in said slides, a long pinion on said shaft in mesh with said racks, and means for actuating said shaft, said slides being capable of being reversed with respect to the long pinion whereby certain slides may be reciprocated in a reverse direction, with respect to the other slides.

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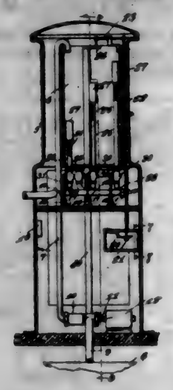
1,564,575. GASOLINE-VENDING MACHINE. JOHN WALTER JOHNSON, Bluefield, W. Va. Filed Feb. 18, 1924. Serial No. 693,610. 1 Claim. (Cl. 221—100.)



A gasoline dispensing device including a tower, a tank mounted in the upper portion of the tower, a plurality of discharge pipes within the tank, valve members for controlling the passage of fluid through the discharge pipes, switch members disposed adjacent to the valve members, valve operating arms associated with the valve members for operating the valve members, contact members carried by the arms and adapted to complete circuits through the switch members when the operating arms are in their normal positions, a motor driven pump for forcing fluid into the tank, switch members within the tower and in circuit with the motor, a vertically movable float actuated rod carrying a contact arm at its lower end adapted to complete the circuit to the motor when the rod is moved to the limit of its upward movement, to supply fluid to the tank, and said float actuated rod adapted to move to break the circuit to the motor when the fluid in the tank fills the tank.

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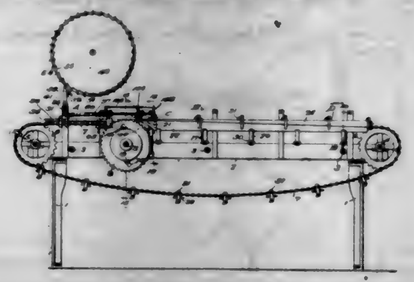
1,564,576. CLOTHESPIN MACHINE. HENRY J. KAHRS, New York, and CHRISTIAN BODRI and PETER E. SCHNEIDER, Richmond Hill, N. Y. Filed Feb. 12, 1925. Serial No. 8,684. 39 Claims. (Cl. 144—9.)



1. A clothespin machine comprising a centrally arranged saw for cutting a central kerf in clothespin blanks, a pair of stationary longitudinally extending saws for cutting reverse kerfs from the crotch of the center kerf down each leg of the clothespin, one of said pair of saws being arranged on each side of the plane of the said central saw, and a power-driven member for moving the clothespin blanks over said saws to produce the respective kerfs.

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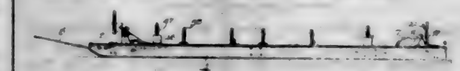
1,564,577. ROAD-SURFACING MACHINE. CLEMENT KELNHOFER, Medford, Wis. Filed Mar. 21, 1924. Serial No. 700,923. 5 Claims. (Cl. 37—145.)



1. A road surfacing machine comprising a frame including skid-like side members, transversely disposed brace bars arranged upon the frame, scraping blades extending diagonally and transversely of said frame, beams extending diagonally and transversely of the frame having certain of their ends hingedly connected to portions of the opposite side members of said frame and their remaining ends connected to the adjacent ends of the corresponding blades, means for effecting vertical adjustment of said blades throughout their lengths, and surface scarifying means mounted upon said frame forwardly of the blades.

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1,564,578. PATTERN FOR MARKING WALLS AND METHOD OF USING SAME. HENRY G. KENNEDY, Luxemburg, Mo. Filed Oct. 15, 1924. Serial No. 743,758. 8 Claims. (Cl. 25—123.)

1. A pattern for marking walls of stucco comprising upper and lower side longitudinal members, one or more intermediate longitudinal members, a plurality of cross members connecting each of said side longitudinal members intermediate its ends with one of said intermediate longitudinal members, an end member at each end of each side longitudinal member connecting said side longitudinal member with an adjacent intermediate longitudinal member, said longitudinal members and said cross members being connected to form open unobstructed spaces therebetween, the end members at the ends of each of said side longitudinal members having cross sections less than that of a whole cross member but the cross sections of the end members at the ends of one side longitudinal member being such that when put together they form a complete cross section of a cross member.

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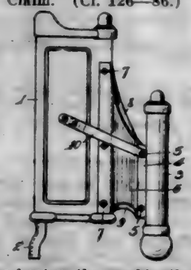
1,564,579. FRONT SUPPORT FOR GAS HEATERS. HENRY KIELBERG, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va., a Corporation of Delaware. Filed Apr. 16, 1924. Serial No. 706,974. 1 Claim. (Cl. 126—86.)



In a radiant gas heater, the combination with a heater body, of supporting pedestals located forwardly and laterally of and at a substantial distance from the front

corners of said body, said pedestals having vertical rearwardly-directed flanges, and vertically disposed sheet metal wings interposed between said pedestals and said body, each wing being bolted at one end to said flange and at its other end to the adjacent corner portion of said body, said wing having stiffening rolls formed thereon, and braces connecting said pedestals to the body and located rearwardly of and concealed by said wings, said braces relieving said wings from strain.

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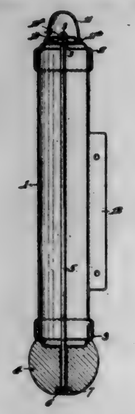
1,564,580. METALLIC POST FOR GAS HEATERS. HENRY KIELBERG, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va., a Corporation of Delaware. Filed Apr. 17, 1924. Serial No. 707,034. 3 Claims. (Cl. 126—86.)



1. A post of the character described, comprising a tubular sheet metal body, caps mounted in seated relation to the opposite ends of said body, a ball-like foot disposed in underlying seated relation to the lower of said caps, a tie-rod directed axially through and securing the various recited members in rigidly assembled relation, and a hollow sheet-metal finishing knob having a disk-like base member threaded upon the upper end of said tie-rod.

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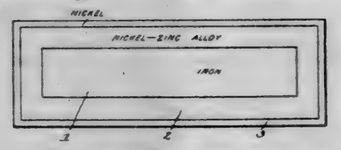
1,564,581. ELECTROPLATING. WILLIS R. KING, Newark, N. J., assignor to The Hanson & Van Winkle Company, Newark, N. J., a Corporation of New Jersey. Filed May 3, 1924. Serial No. 710,796. 4 Claims. (Cl. 204—14.)




1. The method of electro-plating on corrodible metals, which comprises applying first a coating of nickel-zinc alloy and then depositing upon the latter an outside coating of nickel.

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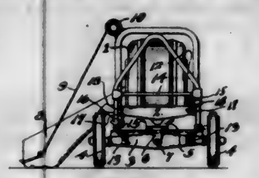
1,564,582. DRAFT AND BRACE MEANS FOR CONCRETE MIXERS. PHILIP A. KOEHRING, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis. Original application filed Apr. 5, 1924, Serial No. 704,454. Divided and this application filed June 8, 1925. Serial No. 35,677. 10 Claims. (Cl. 280—6.)

1. In a portable machine of the class described, a body frame, a supporting axle therefor, a connection between the middle of the axle and the body frame, and bracing means intermediate the body frame and the axle



comprising a bar pivoted to the axle and a stop carried by said bar and shiftable therewith into engagement with the body frame.

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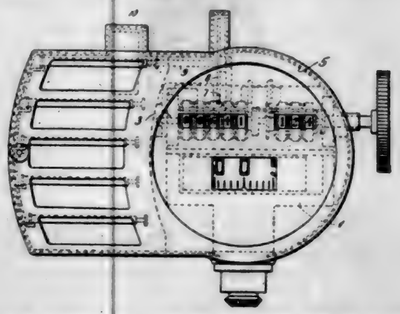
1,564,583. SIGNALING DEVICE. MICHEL V. KOUDRIAVZEFF and HIPPOLYTE ROMANOFF, New York, N. Y. Filed Jan. 24, 1920. Serial No. 358,744. 6 Claims. (Cl. 116—115.)



6. In combination with an odometer train, a visual signal including a movable target adapted to display or conceal said signal, means operative to move said target normally to display said signal, a spring operated catch for locking said target in position to conceal said signal, manually operable means for setting the same, and means operated by the odometer train for disengaging said catch, thereby moving said target to display said signal upon the completion of the odometer train of a predetermined mileage record.

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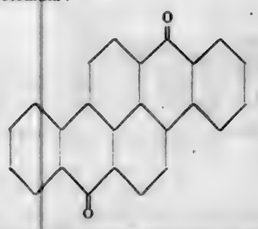
1,564,584. CONDENSATION PRODUCT OF THE ANTHRAQUINONE SERIES AND PROCESS OF MAKING SAME. GEORG KRÄNZLEIN, MARTIN CORELL, and ROBERT SEDLMAIR, Hochst-on-the-Main, Germany, assignors, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 27, 1923. Serial No. 665,225. 2 Claims. (Cl. 260—61.)

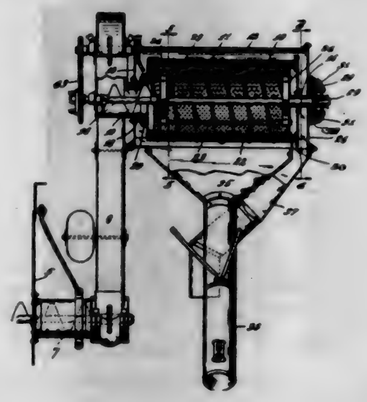
1. As new articles of manufacture the bodies possessing the general formula:




corresponding to a 3.4.8.9-dibenzopyrene-quinone, which may be substituted in any way, which bodies are by themselves valuable vat-dyestuffs and can be used as starting material for the preparation of new dyestuffs.



1,564,585. WEED SCREEN FOR THRASHING MACHINES. NORMAN R. KRAUSE, Racine, Wis., assignor to J. I. Case Threshing Machine Company, Racine, Wis., a Corporation. Filed Sept. 5, 1924. Serial No. 736,161. 5 Claims. (Cl. 209—284.)



1. The combination, with an elevator, of a weed screen comprising a housing, a shaft therein extending to said elevator and having a spiral conveyor thereon extending from said elevator, an auger on said shaft co-operating with said spiral conveyor for propelling material, a screen drum surrounding said auger, and means independent of said auger for rotating said drum in a direction opposite to that of said auger.

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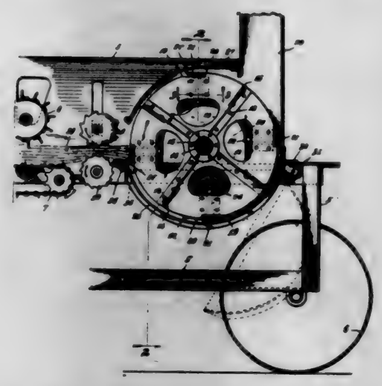
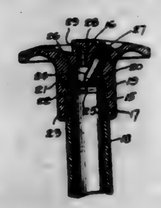
1,564,586. ENSILAGE CUTTER. NORMAN R. KRAUSE, Racine, Wis., assignor to J. I. Case Threshing Machine Company, Racine, Wis., a Corporation. Filed May 16, 1925. Serial No. 30,714. 8 Claims. (Cl. 146—118.)



1. The combination, in an ensilage cutter, of a frame, material conveying mechanism associated with said frame, and a cutter comprising disks, cutting knives arranged transversely in relation to said disks, fan blades supported by said disks, a shaft upon which said cutter is mounted, and a casing enclosing said cutter and having a discharge outlet leading therefrom.

1,564,587. SPRINKLER HEAD. JOSEPH KREIZIGER, Los Angeles, Calif. Filed Nov. 26, 1924. Serial No. 752,408. 6 Claims. (Cl. 299—60.)



1. A sprinkler head comprising a body formed to provide a chamber, one wall of the chamber having an inlet port through which water under pressure from a source of supply enters the chamber, a discharge port communicating with the chamber and formed to project a fan shaped spray to one side of the head, and valved means adjustable in the body to control the passage of water through the inlet port in such manner that the water will be caused to strike the roof of the chamber and completely fill the latter before entering the discharge port, whereby the latter will be completely filled and project an evenly distributed spray.

5. A sprinkler head of the character described including a substantially flat head divided to form a spray section having a discharge port for projecting a fan shaped spray of water to one side of the head, and an adjusting section and valved means in said adjusting section operable from the top side of the head for controlling the discharge of water through said port so that the trajectory of the spray can be varied at will from the top side of the head while the sprinkler head is in operation.

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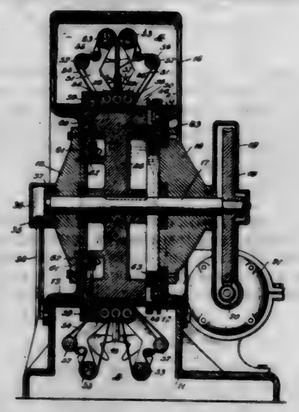
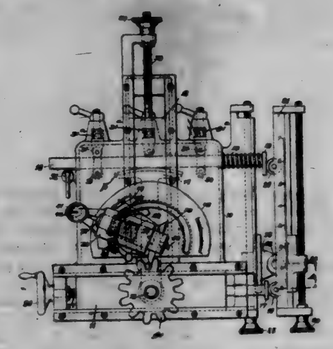
1,564,588. SAUSAGE-FORMING MACHINE. FERDINAND KRUSE, New York, N. Y., assignor of one-half to Henry Cohn, New York, N. Y. Filed Jan. 26, 1925. Serial No. 4,644. 16 Claims. (Cl. 17—34.)



1. In a sausage forming machine, a rotor, a crimping and twisting mechanism carried by said rotor and including a base, oppositely disposed and rockingly supported members carried by said base and movable toward and away from each other, twisting elements carried by said members, means for continuously operating said twisting elements, and coacting crimping elements also carried by said members and operable when the members are moved toward each other to crimp the sausage casing therebetween.

1,564,589. GEAR-TESTING MACHINE. JEAN LABSEMS, Arbon, Switzerland, assignor to Société Anonyme Adolphe Saurer, Arbon, Switzerland, a Corporation of Switzerland. Filed Feb. 15, 1921. Serial No. 445,066. 48 Claims. (Cl. 73—51.)

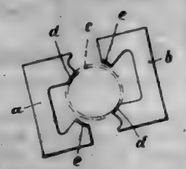


1. An apparatus for testing gears, including a support for the gear to be tested, a member having straight line back and forth movement in a plane at right angles to the axis of the gear support, a feeler carried thereby and adapted to engage a working face of a tooth of the gear held on said support, means for effecting a relative rolling movement of said feeler and said gear, and means acting on said member for holding said feeler in yielding engagement with the tooth face during said rolling movement.

1,564,590. PIE CLAMP AND JUICE RETAINER. CLARA B. LAMBERT, Pasadena, Calif. Filed June 27, 1925. Serial No. 40,005. 3 Claims. (Cl. 53—6.)

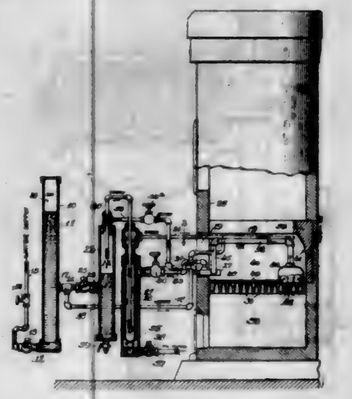
1. A device of the class described comprising a split ring having lapping ends, cross rods supported by said ring, and tubular members carried by said rods and adapted to be entered through the upper crust of a pie to permit bubbling of the juices into said tubes to prevent its overflowing.

1,564,591. METHOD OF MANUFACTURING BACK-CUT SCREW DIES MADE IN TWO PARTS WITH FOUR CHASERS OR CUTTING EDGES. ALBERT LANSCHE, Stuttgart, Germany. Filed June 9, 1924. Serial No. 718,876. 5 Claims. (Cl. 76—101.)



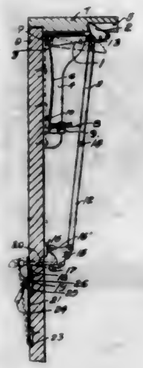

1. A method of manufacturing two part screw dies, each having a plurality of back cut chasers, consisting in the steps of simultaneously cutting a chaser of each part constituting a pair of chasers which are diametrically opposite.

1,564,592. OIL BURNER. HARRY W. LASTER, Oak Park, Ill., assignor of thirty-three and one-third per cent to John H. Byron, Chicago, Ill., and fifteen and two-thirds per cent to Michael J. Boyce, Oak Park, Ill. Filed Aug. 9, 1924. Serial No. 731,031. 25 Claims. (Cl. 158—4.5.)



1. An oil burning apparatus including means for maintaining a column of water, air cushioning means for the water column, a nozzle, a heating coil leading from the water column to vaporize the water, a receiver also connected with said coil for maintaining a reserve supply or water, means automatically controlling the delivery of the water from the reserve supply to the heating coil, means for delivering vapor to the nozzle, means for delivering oil to the nozzle, and means for preheating the oil before it is delivered to the nozzle.

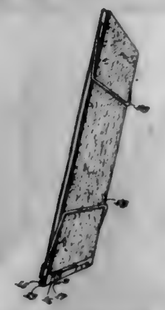
1,564,593. COMBINED LOCK AND LATCH. WILLIAM O. LAWRENCE, Spokane, Wash. Filed Mar. 22, 1924. Serial No. 700,989. 2 Claims. (Cl. 292—96.)



1. The combination of a casing, a normally closed spring pressed latch pivoted in the casing and operating mechanism at the inner side of a door comprising a pair of pivoted pull bars pivotally connected to the latch, a bell crank lever pivoted at one end of one of said bars, a link pivoted to said lever, an exterior pivoted hasp having a knob thereon and a shank on said hasp pivoted to said link, and means for locking said hasp.

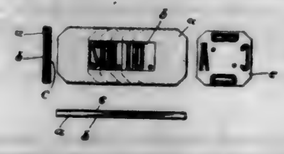


1,564,594. BOOKREST. HAROLD M. LEE, Philadelphia, Pa. Filed Dec. 4, 1922. Serial No. 604,672. 4 Claims. (Cl. 120—28.)



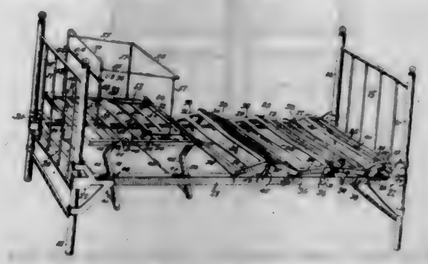
1. A folding book-rest comprising a base, a supporting flap pivotally secured to the base, a brace between the flap and base and a pivoted bail at the lower end of the flap adapted to fold and hold against the front of the flap or the back of the base.

1,564,595. ADVERTISING TABLET. EMIL LOHRER, Basel, Switzerland. Filed May 19, 1924. Serial No. 714,500. 4 Claims. (Cl. 40—28.)



1. Advertising tablet comprising an apertured envelope and a plurality of polygonal slides of equal size adapted to be removably inserted in said envelope in overlapping position and in such manner that at least two edges of each slide engage the inner walls of the envelope, said slides being provided with indications placed near their edges so as to bring the indications near the edges of two or more slides in registry with the aperture in said envelope and to expose said indications in said aperture.

1,564,596. ORTHOPEDIC BED. HORACE LO GRASSO, Perrysburg, N. Y. Filed Aug. 7, 1922. Serial No. 580,068. 5 Claims. (Cl. 5—66.)

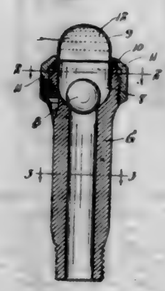


1. An orthopedic bed comprising a frame, and a floor having a plurality of sections arranged in a longitudinal row and pivotally connected with each other by transverse pivots so that the several sections form in effect the links of a chain, said frame being provided with adjusting pins, and adjusting arms extending from said pivots downwardly and each provided with a longitudinal row of hooks adapted to engage one of said pins.

1,564,597. HORSESHOE-PITCHING GAME. CARL C. P. LUND, Oakfield, Wis. Filed Aug. 25, 1925. Serial No. 52,428. 5 Claims. (Cl. 273—101.)

1. A game apparatus of the character described including a base, a supporting member mounted upon the base, a skeletonic shank extending through the supporting member and having a handle at its rear end whereby it may be retracted, a spring disposed within the hollow shank bearing at one end against the shank and at the other end against the supporting member and urging the shank outward, and a piece suporting plate mounted upon the forward extremity of the shank and having an upturned flange at its rear end and open at its front end.

1,564,598. NOZZLE FOR MILK-CAN CLEANERS. DERRICK A. MAASEM, Minneapolis, Minn. Filed Aug. 28, 1924. Serial No. 734,649. 4 Claims. (Cl. 299—144.)

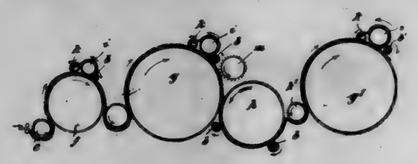


1. A nozzle having in combination, a body having a chamber in its upper end, a passage leading downwardly from said chamber, a ball loosely disposed in said chamber adapted to seat at the top of said passage and close the same, the top of said body having a downwardly and outwardly beveled surface, a hollow cylindrical spray head of thin sheet material having a semispherical top with a multiplicity of holes therethrough above said body and having an outwardly and downwardly inclined flange adapted to seat on said beveled surface, and a flanged collar threaded on said body and clamping said flange against said beveled surface.

1,564,599. PROCESS FOR PRESERVING FRUITS. JOHN G. MAGAW and ADDISON SHERMAN MAGAW, Lakewood, Ohio. Filed July 8, 1925. Serial No. 42,308. 1 Claim. (Cl. 99—8.)

A process of preserving perishable fruits and berries without the addition of extraneous water, consisting in adding to the fruits a substantial quantity of dextrose, in subjecting the mixed fruits and dextrose to a freezing temperature to freeze the mixture and in maintaining the same after it is frozen at substantialy a zero temperature until ready for use to preserve the fruits and to maintain their original color without changing their other physical characteristics.

1,564,600. METHOD OF CARDING TEXTILE FIBERS AND APPARATUS THEREFOR. HERMANN MALY, Guben, Germany. Filed July 17, 1923. Serial No. 652,134. 4 Claims. (Cl. 19—100.)



1. Method of improving the product of carding engines consisting in smoothing and condensing the fibers adhering to a working roller prior to the removal of the fibers from said roller.

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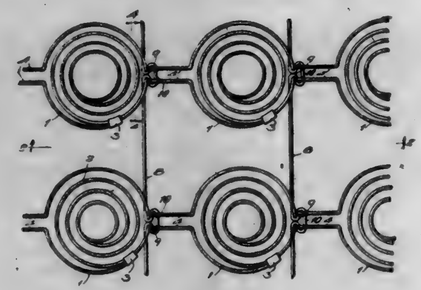
1,564,601. SPRING STRUCTURE. MICHAEL R. MANGAN, Chicago, Ill. Filed Mar. 12, 1923. Serial No. 624,425. 6 Claims. (Cl. 5—272.)



1. A spring structure comprising adjacent links, each having downwardly extending offsets at diametrically opposed ends thereof, one of said offset portions being of lesser width and depth than the other, and a tie rod interconnected with the adjacent links when said links are arranged with the smaller offset portion of one within the larger offset portion of the other so as to prevent separation of said links but permit their vertical pivoting movement.

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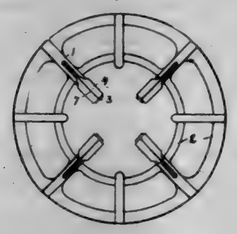
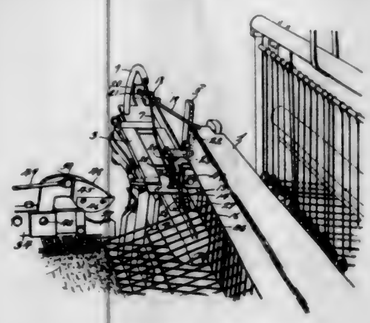
1,564,602. ATTACHMENT FOR STOVE-LID GRILLS. BRUNO MARTIN, Saginaw, Mich. Filed June 22, 1925. Serial No. 38,808. 1 Claim. (Cl. 126—215.)



An attachment for the fingers of stove lid grills comprising a body formed with an aperture to receive said finger, an upwardly projecting ridge extending longitudinally along said body and projecting beyond said body and above said finger, and clamping means for releasably securing said body to said finger.

1,564,603. LOOM. JOHN GORDON MARTIN, La Porte, Ind., assignor to Kumfy Kab Company, La Porte, Ind., a Corporation of Indiana. Filed Jan. 5, 1924. Serial No. 684,586. 11 Claims. (Cl. 139—126.)



1. The combination with oppositely disposed shuttle boxes of a loom, a shuttle movable from one shuttle box to the other and adapted to grip and carry cord from one shuttle box to the other, a cord gripping device carried by the shuttle, of means carried by the shuttle boxes for normally holding the cord out of operative relation to the gripping device when the shuttle enters the boxes and in operative relation to the gripping device when the shuttle leaves the boxes, picker sticks for projecting said shuttle from one box to the other, said last named means being controlled by the picker sticks.

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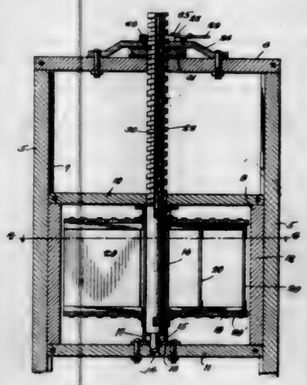
1,564,604. WATER WHEEL. MILES L. MARTIN, Bainbridge, Ga., assignor of one-third to Chas. S. Hodges and one-third to Thomas W. Jester, both of Bainbridge, Ga. Filed June 12, 1925. Serial No. 36,692. 2 Claims. (Cl. 170—117.)



1. A water motor including a frame having side bars formed with guideways, a wheel housing having ribs adapted to move through the guideways, a shaft having a threaded portion mounted for rotation in the frame, a water wheel mounted at the lower end of the shaft, and a sectional nut adapted to be moved into engagement with the threaded portion of the shaft to cause the shaft and water wheel to move upwardly when the wheel is rotated.



1,564,605. ATTACHMENT FOR WASHING MACHINES. DALLAS R. MATTHEWS, Cincinnati, Ohio. Filed Feb. 14, 1925. Serial No. 9,171. 4 Claims. (Cl. 68—18.)

1. An attachment for cylinder type washing machines including a tub equipped with bearings, a cylinder having terminal pintles mounted in said bearings, a saddle mounted in said tub the ends of which embrace the pintles, and means movable through the bottom of the tub and engageable with said saddle for elevating the cylinder to the top of the tub.

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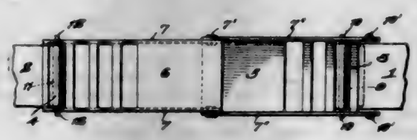
1,564,606. WRIST-WATCH STRAP. CHARLES A. MEALY, Providence, R. I., assignor to The Hadley Company, Providence, R. I. Filed July 15, 1925. Serial No. 43,796. 3 Claims. (Cl. 24—71.)



3. In a wrist watch strap, a pair of straps, a pair of connector sections hinged together at their inner ends and connected to the respective straps at their outer ends, keepers on one section and a pin securing the strap of the other section thereto and formed to snap into the keepers.

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1,564,607. TOE SLIPPER. GENEVIEVE MEIER, Chicago, Ill. Filed July 2, 1923. Serial No. 649,116. 5 Claims. (Cl. 36—1.)

1. A slipper for toe dancers having a resilient toe cap for cushioning the thrust when the weight of the dancer is supported by said toe cap.

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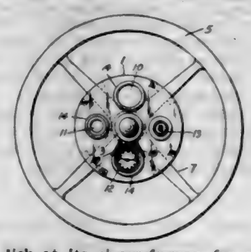
1,564,608. STEERING-WHEEL ATTACHMENT. THURSTON W. MOORE, Oakland, Calif. Filed Mar. 11, 1925. Serial No. 14,766. 5 Claims. (Cl. 224—29.)

1. In a device of the class described, a disk having a central opening adapted to be received over the head of the steering column of a vehicle for mounting the disk upon the steering wheel; and means secured to the underside of the disk at its circumference for attaching the disk to the steering wheel, the said means not being visible from the top side of the disk.



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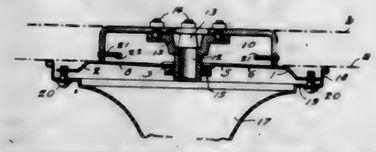
1,564,609. ADJUSTABLE FIXTURE STRAP. JOSEPH MORGENSTERN, Cleveland, Ohio. Filed Jan. 5, 1924. Serial No. 684,527. 2 Claims. (Cl. 240—85.)



1. An adjustable fixture strap comprising a receiving member and an entering member, the receiving member having flanges turned over and inwardly from its lateral edges to form channels into which the entering member is adapted to be inserted, the inner ends of the members having relatively deep notches which form an opening for a fixture stud when said members are assembled, each member having a slot beyond and in substantially axial alignment with said opening, the said members incorporating means for attaching a fixture to the strap.

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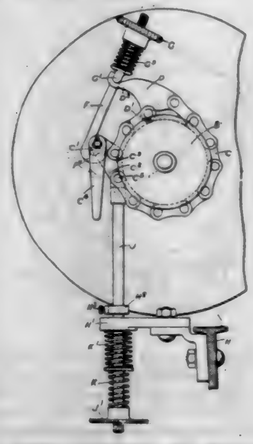
1,564,610. TENSION MECHANISM FOR WARP BEAMS. THOMAS MOUNSEY and ROBERT BAGWELL, Preston, England. Filed Aug. 29, 1924. Serial No. 735,011. 4 Claims. (Cl. 139—100.)



1. In a tension mechanism for the warp beams of looms, the combination of a warp beam, a friction drum on the end of the warp beam having a cylindrical bearing surface, two parallel chains wrapped around the

drum, the links of said chains having curved surfaces adapted to bear on said cylindrical surface, a bridge piece connecting the ends of said chains, a spring acting on said bridge piece and tending solely to draw the two ends of the chains together about the drum, means for varying the effective force of this spring, means for releasing the tension of the band about the drum independently of the spring-adjusting means, a rod connected at one end to some convenient point in the band, a spring interposed between the other end of the rod and some relatively stationary part of the loom, and means for varying the effective force of this spring.

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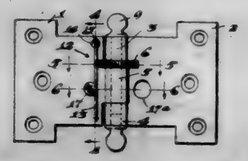
1,564,611. HINGE. HOWARD S. MOUNTFORD and ELIJAH A. OVENSHIRE, Los Angeles, Calif.; said Mountford assignor of his entire right to James Francis Hood, Los Angeles, Calif. Filed Oct. 13, 1922. Serial No. 594,353. 4 Claims. (Cl. 16—142.)



3. Two hinge leaves having bearings, a hinge pin connecting the bearings, a friction disc upon the hinge pin and rigid with one leaf, a spring connected at one end to the other leaf and engaging the disc, and a bevel-headed screw tapped into the last leaf and engaging the spring at a point spaced from the disc to vary the tension of the spring against the disc.

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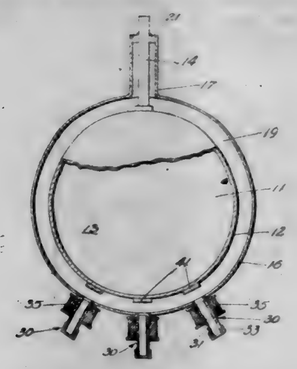
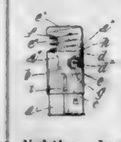
1,564,612. LIQUID-OXYGEN CONTAINER WITH CONTROLLED BOILING RATE. CHESTER MOTT, Los Angeles, Calif., assignor, by mesne assignments, to Purox Company, Denver, Colo., a Corporation of Colorado. Filed Nov. 18, 1924. Serial No. 750,560. 10 Claims. (Cl. 219—47.)



6. In a container for liquid gases, the combination of: an inner shell; an outer shell, said outer shell providing an evacuated insulating space around said inner shell; a plurality of units for supplying heat through said evacuated space, said units each comprising a bridge, a tube into which said bridge is arranged to rest, a solenoid coil for moving said bridge into contact with said inner shell and for heating said bridge; and means for selectively energizing said solenoid coils.

1,564,613. LIGHTING APPARATUS. LOUIS AUGUSTE NEVIÈRE, Artannes, France. Filed June 20, 1922. Serial No. 569,631. 3 Claims. (Cl. 67—7.1.)



1. An automatic lighting device comprising a two-part telescopic casing, each part having a cut-away portion at one edge adapted to provide aligned apertures when said two parts are moved one into the other, said apertures being separated when said two parts are separated, a wick located in one of said parts and ignition means for said wick adapted to be operated by the relative movements of said two parts when one of said two parts is moved into the other, the said two parts of said casing having additional openings below said wick and adapted to be aligned when the said apertures are aligned.

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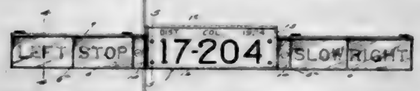
1,564,614. SIGNAL FOR MOTOR VEHICLES. THOMAS E. OGRAM, Washington, D. C. Filed Mar. 31, 1924. Serial No. 703,228. 1 Claim. (Cl. 177,329.)




In combination, an elongated bar of substantially L-shape in cross section, means for securing a license plate number to the central portion of the back wall of said bar, and front, top and partition walls carried by said L-shaped bar and forming a plurality of aligned compartments on each side of said license plate, the compartments adjacent the number plate having red translucent rear portions, and clear transparent portions facing the number plate space, the remaining compartments having their rear walls provided with colored light transmitting portions, and illuminating means in all of said compartments.

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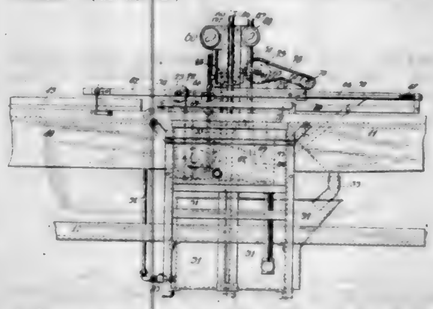
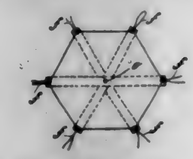
1,564,615. EGG-TREATING DEVICE. CARL G. OLSEN, Chicago, Ill., assignor to Victor Clairemont, Chicago, Ill. Filed Jan. 2, 1924. Serial No. 683,904. 11 Claims. (Cl. 99—2.)



1. In an egg-treating machine of the character described, the combination of walls forming an open-top treating chamber, a holder for a tray of eggs mounted to move up and down in said chamber, and means for continuously moving up and down said holder in said chamber including a member adjustable to vary the period during which the tray of eggs will remain immersed in the treating liquid.



1,564,616. ASSEMBLING FRAME FOR COVERED STRUCTURES. SOPHOCLES XENOPHON PANTHOS, known as Sophocles X. Pantcheff, Kinross, England. Filed Feb. 24, 1923. Serial No. 621,063. 1 Claim. (Cl. 244—22.)



In a kite, in combination, a frame comprising a plurality of sticks adapted to have a radiating crossing relation, slits at the end of said sticks to receive a binding cord, a medial cavity at the end of said sticks to receive a knot in the binding cord, a multi-sided cover for said frame, a cord binder on the periphery of said cover exposed at the corners of the said cover, said binding cord having knots and projecting portions or ends, the said cord lying in the slots at the ends of the sticks and said knots lying in the medial cavities, said projecting portions or ends of the binding cord forming means whereby the said binding cord can be pulled over into position on the sticks.

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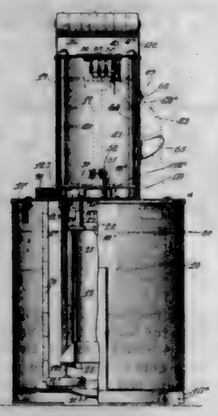
1,564,617. DISPENSING APPARATUS FOR LIQUIDS. BYRON J. PEPPER, Fort Wayne, Ind., assignor to S. F. Bowser & Co., Inc., a Corporation of Indiana. Filed May 11, 1921. Serial No. 468,619. 13 Claims. (Cl. 221—80.)



1. In a liquid dispensing apparatus, the combination with a container, of a pumping device mounted on the container, a supplemental housing for enclosing parts of the pumping device, a flexible conduit for dispensing liquids from the pumping device, a nozzle on the free end of the flexible conduit having a discharge end deflected out of the axial line of the nozzle body, there being an opening in the vertical wall of the pump housing adapted to receive the deflected end of the nozzle, and means comprising a spring clip to support the nozzle in relation to said pump housing when the dispensing apparatus is not in use.

2. In a liquid dispensing apparatus, the combination with a pump barrel and a pump piston therein, said pump barrel and piston being adapted to dispense a fixed or predetermined quantity of liquid in a fixed or predetermined cycle of movement of the piston, means for operating said piston, means actuated by said piston operating means for indicating the quantity of liquid dispensed by said apparatus, and controlling means whereby said piston will be automatically locked against any manner or sequence of movement by said operating means except in accordance with said fixed or predetermined cycle of movement thereof, and whereby accuracy of said quantity indicating means will be assured, said controlling means comprising a pivotally mounted perforated plate adapted to loosely surround a rod operably connected with the piston.

12. In a liquid dispensing apparatus, the combination with a portable liquid container of a pump barrel on the interior of the container, a piston in said pump barrel, a piston rod, means adapted to be actuated by the foot of an operator for actuating the piston rod in the downward direction, and spring means positioned on the opposite sides of said piston for actuating the piston rod in the opposite direction.

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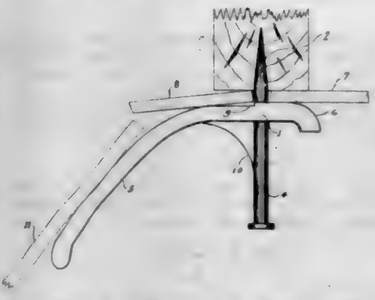
1,564,618. TOOL. ELMER L. PETSING, Buffalo, N. Y., assignor to The Beaver Products Company, Inc., a Corporation of New York. Filed Feb. 7, 1925. Serial No. 7,693. 5 Claims. (Cl. 81—3.)



1. A wall-board tool comprising a head provided with a pointed projection, a driving head diametrically opposite said projection, an arcuate guide extending from the head at substantially right angles to the driving head and a curved stop extending from the head diametrically opposite the guide.

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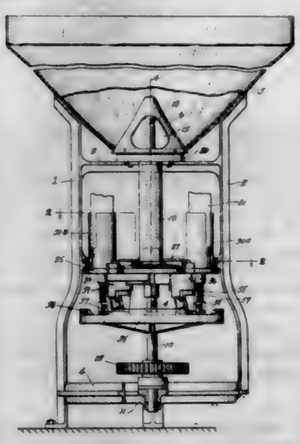
1,564,619. CAP-SORTING MACHINE. HAROLD R. PINKERTON, Yakima, Wash. Filed July 31, 1923. Serial No. 654,814. Renewed May 7, 1925. 11 Claims. (Cl. 209—91.)



1. A cap sorting machine of the character described, comprising a receiving hopper, a transfer table, a plurality of tube holders, cap receiving tubes removably

supported in said holders, means for feeding caps from the hopper onto the transfer table, a transfer mechanism operable to advance all caps that are delivered onto the table top side up into certain of said tube holders and all caps delivered bottom side up into the other of said holders and means for advancing the caps from said holders into the said tubes.

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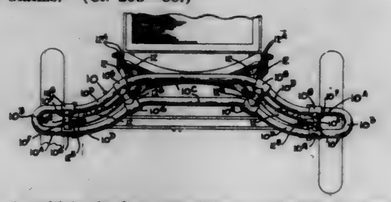
1,564,620. VEHICLE FENDER. JOHN PODMAJERSKY, Chicago, Ill. Filed July 18, 1924. Serial No. 726,715. 7 Claims. (Cl. 293—55.)



1. A vehicle fender comprising an abutment member, and resilient supports for said member, said member comprising a continuous tubular member, forming substantially a pair of parallel sections, the central or intermediate portions of said sections being bent upwardly out of lateral alignment with the end portions of said sections.

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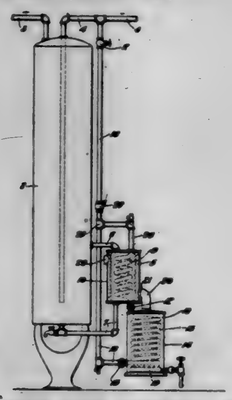
1,564,621. WATER HEATER. WALTER R. POWERS, Wildwood, Pa. Filed Apr. 29, 1924. Serial No. 709,895. 7 Claims. (Cl. 122—32.)



1. A water heating system comprising a heat exchanging tank having hollow side walls forming a surrounding air space, a heating coil in said tank adapted to contain a quantity of fluid, water inlet and outlet pipes communicating with the opposite ends of said tank to provide for a circulation of water through said tank, a second coil having its upper end connected to the lower end of said first named coil, suitable piping connecting the lower end of said last named coil to the upper end of said first named coil to form a closed circulating system, a casing enclosing said last named coil, a suitable source of heat within said casing adapted to heat the fluid in said last named coil, and means for conducting heated air from within said casing to said air space in the side walls of said heat exchanging tank.

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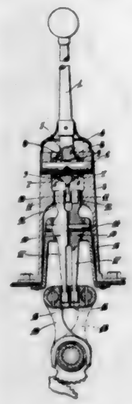
1,564,622. GEAR-SHIFT MECHANISM. PERCY R. PROSSER, Pasadena, Calif. Filed May 20, 1925. Serial No. 31,613. 4 Claims. (Cl. 74—89.)

1. In a device of the class described, the combination of a casting having a pair of guide slots formed therein, an intermediate dividing partition between the said slots and having a central passage therethrough, a shift lever adapted to move in each slot and presenting a pocket



within the said slot, and a control lever adapted to be engaged in the said pocket of either of said shift levers to actuate the same.

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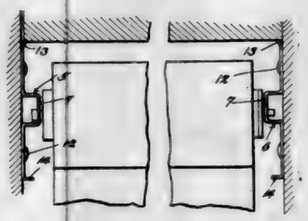
1,564,623. SHADE BRACKET. WILLIAM H. RAMSEY, St. Paul, Minn. Filed July 5, 1924. Serial No. 724,448. 1 Claim. (Cl. 156—24.)



A curtain shade bracket comprising a body portion formed of a length of sheet metal having parallel side edges throughout the length thereof, the upper end of the body portion being curved outwardly to provide a stop, the lower end of said body portion extending outwardly and defining a step, and an offset central portion formed with an opening to provide a support.

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1,564,624. BASKET-BALL VALVE. GEORGE M. RILEY, Aurora, Ill. Filed July 6, 1922. Serial No. 573,133. 1 Claim. (Cl. 251—121.)

A valve member comprising a body portion and a head, said body portion being threaded throughout its length and having a bore extending therethrough, the outer end of the bore being enlarged and threaded, the inner end of the bore, being enlarged and constructed to provide an enlarged opening, and a contracted portion, said contracted portion adapted to accommodate a ball valve in a manner to restrict lateral movement of the ball valve, a guard positioned at one end of the bore and having a central bar providing a rest for the ball valve, and means operating over the threaded portion of the body to cooperate with the head for clamping the valve body in position, and a removable plug positioned in the threaded portion of the bore.



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1,564,625. WATERPROOF PLASTER BOARD AND METHOD OF PRODUCING SAME. CARLETON P. RITCHIE, Los Angeles, Calif., assignor to Klinch-Lath Corporation, Los Angeles, Calif., a Corporation of California. Filed Jan. 9, 1924. Serial No. 685,199. 5 Claims. (Cl. 154—2.)

1. A method of producing a waterproof plaster board which comprises: preparing a paper partially saturated with a waterproof substance, one surface of said paper being initially free from said substance; preparing a plaster board in which said untreated surface is in contact with the plaster which adheres readily thereto; and thereafter treating said plaster board to cause said waterproof substance to spread through said paper.

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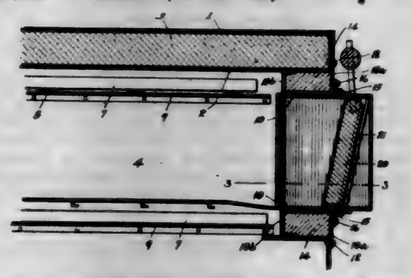
1,564,626. ELECTRIC BAKE OVEN. ALLEN R. ROSS, Seattle, Wash. Filed Sept. 10, 1924. Serial No. 736,955. 4 Claims. (Cl. 107—65.)



1. An oven of the class described having a wall opening, a door frame located in the opening and providing spaces between the frame and edges of the opening through which heating elements for the oven may be removed or inserted and closure members removably fitted in said spaces.

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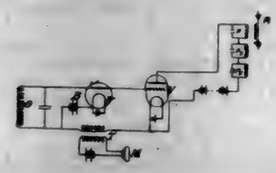
1,564,627. WIRELESS TELEGRAPH AND TELEPHONE TRANSMISSION. HENRY JOSEPH ROUND, London, England, assignor to The Radio Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Mar. 31, 1920. Serial No. 370,174. 8 Claims. (Cl. 250—6.)



1. The method of wireless transmission which consists in applying to a thermionic valve a rapidly fluctuating voltage of square wave form and absorbing outside the device the energy developed in harmonics of the fundamental frequency.

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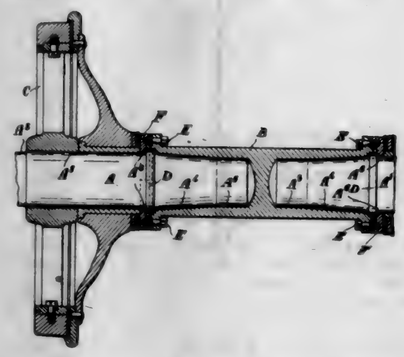
1,564,628. AXLE FOR RAILWAY AND LIKE VEHICLES. JOHN JONES ROWE, Durban, Natal, South Africa, assignor to The Rowe Wheel (Parent Syndicate) Limited, Durban, Natal, South Africa. Filed May 10, 1924. Serial No. 712,254. 1 Claim. (Cl. 295—9.)



An axle for railway and like vehicles comprising two independently rotatable portions each of said rotatable portions being tapered smaller away from the vehicle wheel for a part of its length, a fixed collar on each of said rotatable portions, a two-part flanged collar secured on the outer or wheel side of the collar on each of said rotatable portions and a sheath or coupling mounted on the inner sides of the said fixed collars on the rotatable portions and rigidly secured at each end to the said two-part flanged collars, said sheath or coupling having a reinforcing central web or partition so as to form a pocket or recess on each side of said partition adapted to receive one of the independently rotatable portions of the axle.

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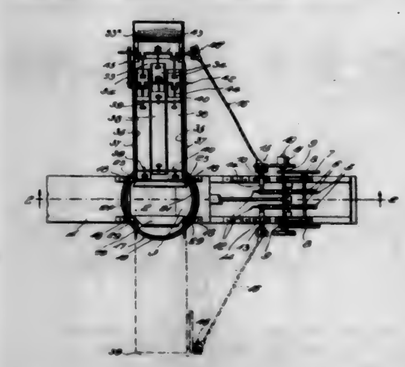
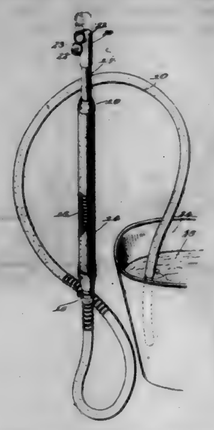
1,564,629. BALING-PRESS FEEDER. WILLIAM CHESTER RUTH, Gap, Pa., assignor of one-half to Howard L. Rutter, Gap, Pa. Filed Oct. 3, 1924. Serial No. 741,373. 3 Claims. (Cl. 100—25.)



3. An attachment for a baling press comprising an annular track adapted to be secured upon the inlet throat of a baling press in a horizontal position, a ring disposed slidably within said track, a feeder-carrying frame having a horizontal portion resting on said track and secured to said ring, and vertical bars at the inner side of said ring and secured with respect thereto, the lower end of said bars having lugs underlying the track to prevent upward movement of the ring.

1,564,630. SIPHON. ROBERT SAA, Vallejo, Calif. Filed Feb. 21, 1923. Serial No. 620,516. 4 Claims. (Cl. 137—20.)



1. A siphon comprising a flexible tubular member having an inlet end portion, an intermediate longitudinally distensible section, and means within said section adapted to maintain constant its interior diameter, and an outlet end discharge nozzle having a one-way flap valve adapted to form a closure for said discharge nozzle, for the purpose set forth.

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1,564,631. PROCESS OF MAKING DERIVATIVES OF HYPOTHETICAL IMINES INCLUDING AMINES AND THEIR SUBSTITUTION PRODUCTS. KARL FRIEDRICH SCHMIDT, Heidelberg, Germany. Filed May 8, 1925. Serial No. 28,962. 5 Claims. (Cl. 260—127.)

1. The process of making derivatives of hypothetical imines including amines and their substitution products, characterized in that organic compounds of the hydrocarbon type are treated with hydrazoic acid in the presence of concentrated mineral acids.

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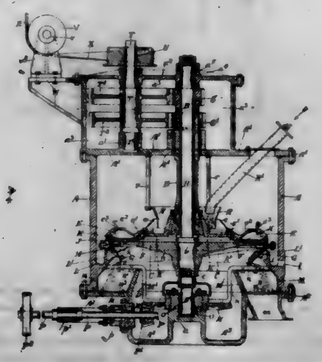
1,564,632. CENTRIFUGAL SEPARATOR. GEORGE RICHARD SCHUELER, Kingston-upon-Hull, England. Filed Sept. 27, 1923. Serial No. 665,089. 8 Claims. (Cl. 210—69.)



1. In a centrifugal separator, a rotary distributing plate, a rotary separating device arranged over the distributing plate and provided at its inner portion with a receiving chamber for the material which delivers the material onto the inner portion of the top of the distributing plate, said separating device having also an annular chamber arranged at its outer portion between its receiving chamber and its periphery and provided at its top with separating holes for liquid and having its bottom formed by the said distributing plate, said separating device having also an imperforate and downwardly projecting peripheral portion spaced apart from the periphery of the distributing plate and forming with it an annular discharge outlet for solid matter, and separate driving devices operating to rotate the said distributing plate and separating device independently of each other.

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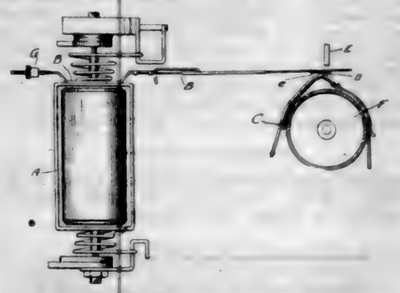
1,564,633. METER POINTER. FREDERICK W. SIDE, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 8, 1925. Serial No. 21,572. 5 Claims. (Cl. 234—5.5.)



3. A meter pointer adapted for use in a recording meter of the pointer depressing type comprising a body portion adapted to be secured to the movable element of the meter, a separate pointer part formed of aluminum and constituting the free end portion of the pointer, a spring forming a hinge connection between said body and said part, and means for damping vibrations of said hinge connection comprising a projection from said body part engaging a portion of the pointer nearer its free end than the connection between said spring and body part.

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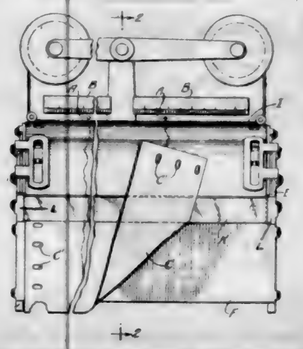
1,564,634. RECORDING INSTRUMENT. FREDERICK W. SIDE, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1925. Serial No. 24,072. 2 Claims. (Cl. 234—1.)



2. In a recording instrument comprising a record marker, and means for supporting a record strip and feeding it past said marker including a supporting surface in advance of said marker, the improvement which



consists in a glass bar spaced away from said surface to provide for the passage of the record strip between it and said surface and against the edge of which the portion of the record strip which has passed through said space may be pulled to sever the strip along its line of contact with said edge.

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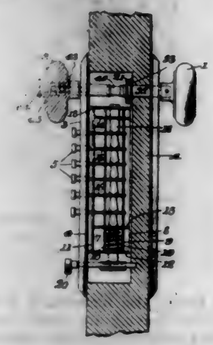
1,564,635. LOCK. HURLEY H. SMITH, Elkhart, Ind. Filed Mar. 31, 1924. Serial No. 703,173. 6 Claims. (Cl. 70—54.)



1. Locking mechanism for doors comprising an inner knob and spindle therefor, a fixed plate, a sliding plate adjacent thereto, said spindle passing through both plates, a transverse pin in said spindle, means on said sliding plate engaged by said pin when the spindle is turned, a door bolt, means connecting the fixed plate to the door bolt and pivoted to both, and means operated by the sliding plate and engaging said connecting means.

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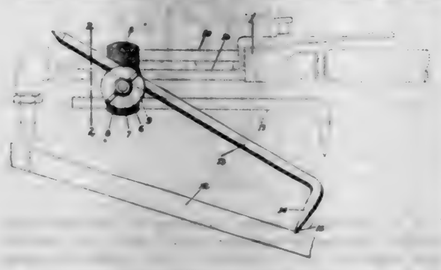
1,564,636. TRAMMEL FOR CUTTING TORCHES. MARSTON J. SMITH, Stockton, Calif. Filed May 16, 1925. Serial No. 30,728. 3 Claims. (Cl. 266—23.)



1. A trammel mechanism for cutting torches comprising a clamp block for attachment to a torch, one face of the block being flat, a collar turnably mounted on the block and having a transverse slot in the face thereof adjacent said block, and a centering rod to fit the slot and of a diameter greater than the depth of the slot whereby said rod will bear against the adjacent faces of the block; there being means between the collar and block for clamping the rod therebetween.

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1,564,637. APPARATUS FOR FORMING CREAM CENTERS. CHARLES RANNEY SNYDER, Columbus, Ohio. Filed June 20, 1923. Serial No. 646,498. 8 Claims. (Cl. 107—29.)

1. In a machine for forming candy, a hopper having a perforate bottom, a press for forcing candy stock through the perforations in said bottom, a horisontal frame arranged beneath the perforate bottom, spaced electrically heated wires carried by said frame, means for effecting relative movement between said frame and said bottom so that said electrically heated wires may sever the candy stock protruding to the openings in the

bottom of said hopper, and means cooperative with said frame and said severing wires for automatically maintaining said wires in a substantially taut condition irrespective of the variable temperatures thereof.

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1,564,638. SIFTER. CHARLOTTE M. STANTON, Des Moines, Iowa; Barclay Stanton administrator of the said Charlotte M. Stanton, deceased. Filed Oct. 13, 1922. Serial No. 594,251. 3 Claims. (Cl. 209—403.)

1. An improved sifter comprising a receptacle, two screen supports each formed of wire netting and designed to be inserted in the receptacle on opposite sides thereof, means for detachably securing them to the receptacle, and a series of screens formed completely of a single piece of screen wire netting attached at one end to one of the screen supports, extended across the receptacle and attached to the other screen support, and then extended downwardly a short distance and then again across the receptacle to the first screen support and attached thereto, and so on throughout its entire length, substantially as and for the purposes stated.

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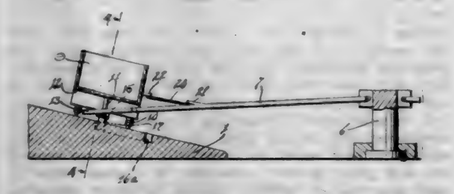
1,564,639. AMUSEMENT DEVICE. ANTON A. STAVICK, Sioux City, Iowa. Filed Jan. 12, 1925. Serial No. 1,980. 1 Claim. (Cl. 272—44.)



An amusement device of the character described comprising a substantially annular platform having a supporting surface, said supporting surface having gradually rising and falling portions and alternate portions inclined toward the center of the annulus and away from the center of the annulus, said supporting surface having a laterally convoluted recess extending throughout the entire circumference of the annular platform and endless, a plurality of cars disposed upon the platform and having members engaging with the recess in the platform, and means for moving the cars along the platform whereby the cars may rise and fall, incline toward the center of the annular platform alternately, and

whereby the cars are moved bodily toward and away from the center of the platform as the car is moved therealong by virtue of the convoluted surface and the recess therein.

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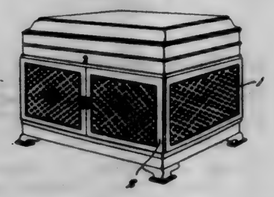
1,564,640. PHONOGRAPH HAVING A CASKET-LIKE CASING. KURT STILLE, Berlin-Zehlendorf, Germany. Filed Apr. 3, 1922. Serial No. 548,917. 1 Claim. (Cl. 274—2.)



A phonograph having all the parts thereof, including the movable parts, the tone arm and the amplifier, enclosed in a single casing having a substantially unperforated top and, the said casing being sufficiently perforated throughout the rest thereof to substantially obviate any reaction between the various sounds produced, and the walls of the said casing.

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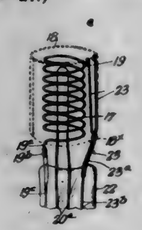
1,564,641. DETECTOR FOR WIRELESS SYSTEMS. ROBERT T. ST. JAMES, Chicago, Ill., assignor to Chicago Miniature Lamp Works, Chicago, Ill., a Corporation of Illinois. Filed Apr. 10, 1922. Serial No. 551,149. 2 Claims. (Cl. 250—27.)



1. In a detector comprising an exhausted vessel, the two main electrodes therein, and a control electrode intermediate the said main electrodes, an insulating sealing plug for said vessel containing the conductors leading to said electrodes, a short metal tube sealed with one conductor in said plug and projecting above said plug, and the control electrode having a stem depending into said metal tube, said tube providing a support for and being secured to the stem of said control electrode.

2. In a detector including an exhausted vessel, a conductor-carrying sealing plug for said vessel, a plate element in said vessel, an electrically conductive support for said plate element, consisting of a stem sealed in said plug and of laterally spaced, upwardly extending prongs attached to said plate element near its top, the plate element having a tongue formed at its bottom edge and bent about said stem.

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1,564,642. SHORE. ARTHUR H. SYMONS, Chicago, Ill., assignor to Symons Clamp & Mfg. Co., Chicago, Ill., a Corporation of Delaware. Filed July 20, 1922. Serial No. 576,218. 15 Claims. (Cl. 254—100.)

1. A shore comprising supporting means, a slide, and holding and adjusting means for said slide, said holding and adjusting means comprising means permitting the ready movement of said slide in one direction but opposing movement of said slide in the opposite direction, said holding and gripping means including screw-threaded means for adjusting the position of said slide, said holding and gripping means also including a gravity responsive wedging member having its larger portion uppermost for controlling movement in said opposite direction.

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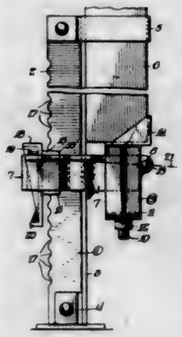
1,564,643. SHORE. ARTHUR H. SYMONS, Chicago, Ill. Filed Aug. 16, 1924. Serial No. 732,359. 15 Claims. (Cl. 254—100.)



1. An extensible shore, including a structural steel member and an elongated timber, means for receiving and supporting one extremity of said timber, a carrying member for said means, and adjustment means for varying the relative positions of said carrying member and said first mentioned means, said carrying member being provided with mechanism having hanging relationship with said structural steel member and a tapered member having its smaller dimension lowermost for locking said carrying member in a predetermined angular position relative to said structural steel member.

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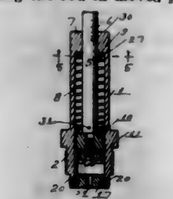
1,564,644. PRESSURE GAUGE. NOLAN J. TAYLOR, Wyoming Township, Kent County, Mich. Filed Apr. 28, 1924. Serial No. 709,454. 1 Claim. (Cl. 73—111.)

A device of the character described comprising: a hollow cylindrical body threaded at its inner end for detachable connection within the spark-plug opening in an internal-combustion engine; an indicator rod movable longitudinally in said body by pressure within the engine and extending through the outer end thereof; a spring yieldingly resisting said pressure; means within said body and intermediate its inner end and the inner end of the rod for confining the expansive fluid from said engine to move the rod outwardly; a spring for yieldingly holding the rod in moved position, surrounding



the rod and having a middle curved portion extending through an arc of at least 180 degrees bearing on the inner surface of said body and end portions bent toward the rod and then concentrically with said middle portion and bearing on the opposite sides of the rod.

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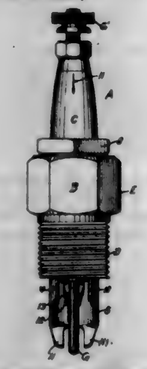
1,564,645. SPARK PLUG. JESSE M. THOMAS, Pine Lawn, Mo., assignor of one-third to William D. Gruelle, St. Louis, Mo. Filed Nov. 30, 1923. Serial No. 677,678. 6 Claims. (Cl. 123—169.)



1. A spark plug comprising an exterior member adapted to be secured in a wall of an engine, an interior unit within said exterior member, said interior unit including a core, an electrode supported by said core and a shield provided with a second electrode, said shield being arranged adjacent to the lower end of said first mentioned electrode and being provided with a deflector adapted to deflect carbureted air against the firing points of said electrodes, said interior unit being rotatable axially relative to said exterior member and means whereby said interior unit may be retained in a fixed position relative to said exterior member.

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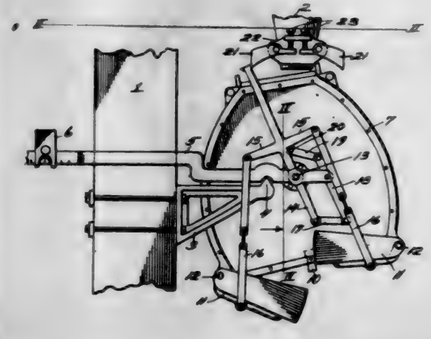
1,564,646. BUMPER BRACKET. JAMES S. TORMEY, Los Angeles, Calif., assignor to United States Bumper Company, Inc., Los Angeles, Calif., a Corporation of California. Filed June 30, 1925. Serial No. 40,635. 4 Claims. (Cl. 293—55.)

1. A bumper bracket comprising a transverse member having a chamber adapted to receive a pin, a longitudinal arm, an inclined arm, the longitudinal arm having a plurality of apertures, and the inclined arm being apertured at its lower end.



1,564,647. AUTOMATIC WEIGHING DEVICE. JAMES B. VAN DEREN, Hennessey, Okla. Filed Apr. 24, 1922. Serial No. 556,355. 12 Claims. (Cl. 249—33.)



1. In an automatic weighing device, a container having two compartments and pivotally mounted to alternately dispose the compartments in a common receiving position, wing doors hinged to the container for alternately opening and closing the bottoms of said compartments respectively, and means connecting the doors to each other and the container whereby under the gravitative force of a commodity, the operative force of the doors shall co-operate with the rotative force of the container.

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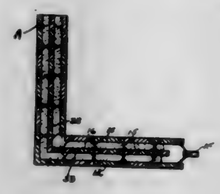
1,564,648. BUILDING CONSTRUCTION. ELMER E. VAN WIE, Los Angeles, Calif. Filed Sept. 24, 1923. Serial No. 664,401. 12 Claims. (Cl. 72—29.)



1. A building tile adapted to be placed in a wall, said tile comprising separately formed front and back portions and separately formed interlocking members arranged intermediate the front and back portions and secured thereto, said interlocking members projecting beyond the front and back portions at each end of the tile.

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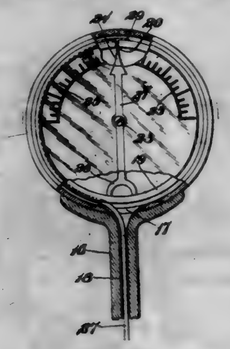
1,564,649. METER. GERHARD VINNEMEIER, Iola, Kans. Filed Feb. 28, 1925. Serial No. 12,369. 3 Claims. (Cl. 116—129.)

3. In a rotary indicator, a stationary circular outer rim having an inwardly projecting flange upon its inner surface and intermediate the side edges thereof, said flange having an annular groove formed therein, a split annulus of greater diameter than the internal diameter of the flange arranged within said groove and having a pointer extending diametrically thereof, side walls for said indicator permitting observation of said pointer, an axis for the annulus supported by said side walls and directed through said pointer, and means for rotat-

ing said annulus including a member directed through an opening in the wall of the rim and engaging the annulus to rotatably shift the same, said annulus having



its periphery spaced from the adjacent wall of the groove to thereby provide a housing space for said operating member.

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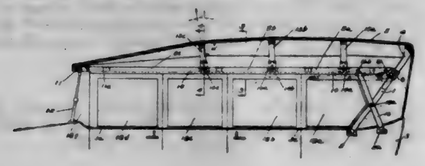
1,564,650. NONCOLLAPSIBLE VEHICLE TOP. EARL H. WADSWORTH, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a Corporation of New York. Filed Feb. 7, 1924. Serial No. 691,201. 6 Claims. (Cl. 296—102.)



2. In a non-collapsible top structure for a vehicle body, a pair of main standards mounted on opposite sides of the body, complementary side rails secured to the respective standards and extending forwardly therefrom over the body, a separate jamb strip for each of said side rails which strip is shaped to constitute a plurality of spaced offset stake pocket portions while the remaining intermediate spacing portions of the strip proper adjoin the side rail, and a transverse bow bridging the side rails provided with a bow clip extending beyond each of the respective leg ends of said bow and engaging certain of said stake pockets, said clips being disposed contiguous to the respective side rails and encompassed by their respective offset pocket portions of the jamb strips.

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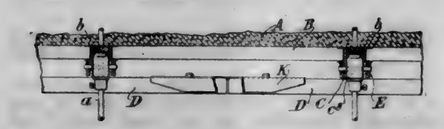
1,564,651. MOLD FOR CONCRETE. ROWLAND T. WALES, New Rochelle, N. Y. Filed June 6, 1921, Serial No. 475,340. Renewed Feb. 28, 1924. 21 Claims. (Cl. 25—131.)



5. A mold comprising a series of supports adjacent the mold space, plates between the supports and adjacent the mold space, each support comprising a channel of sheet metal with its lateral sides and web perforated with holes at intervals longitudinally of the support, locks extending through the holes in said lateral sides and holding the plates in position, a metal tie connecting said lateral sides at a substantial distance from the web, said metal tie being secured by means wholly within the lateral sides and wood between the metal tie and the mold space.

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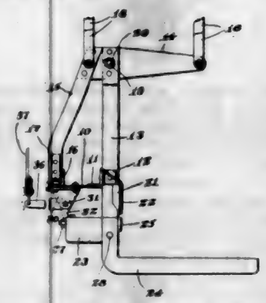
1,564,652. DUMPING FORK. WILLIAM W. WALLACE, Chicago, Ill., assignor to New York Brick Handling Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1925. Serial No. 19,213. 2 Claims. (Cl. 294—63.)



2. An improved brick handling fork, comprising a plurality of horizontal extending members adapted to be disalined for loading brick thereon, means to maintain said horizontal members thus positioned, or to instantly shift same to an unloading angle to slide off the brick contained thereon.

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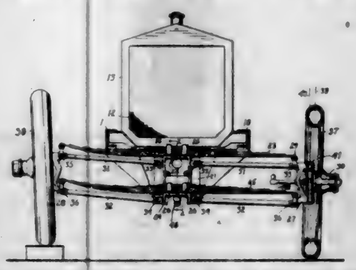
1,564,653. FRONT-AXLE ASSEMBLY. CAIUS E. WEAVER, Syracuse, N. Y., assignor to Birmingham Motors, Jamestown, N. Y., a Trust. Filed July 18, 1921. Serial No. 485,597. 5 Claims. (Cl. 280—124.)



1. In combination with the frame and the front wheels of an automobile, a cross member secured to the front of the sides of the frame, and having rearwardly and upwardly extending triangular gussets along its sides and a central apron, a column plate attached to said apron and having horizontal upper and lower spring seats projecting forwardly therefrom, leaf springs centrally secured to said seats, carriers for the wheels connected to the outer ends of the springs, radius rods pivoted at their ends to the carriers and to the column plate and steering mechanism for the front wheels, including a central support pivoted to the under face of the bottom of the column plate, and links connected to the central support and to the wheel carriers.

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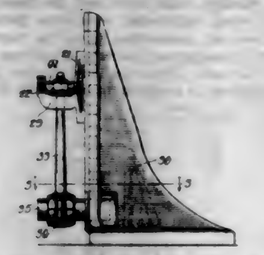
1,564,654. ALIGNMENT GAUGE. IRA A. WEAVER, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Sept. 24, 1923. Serial No. 664,483. 1 Claim. (Cl. 33—180.)

An alignment gauge having two walls spaced apart and provided with registering V-shaped recesses adapted to receive the body to be tested, said gauge having a connecting web joining said walls out of the plane bisecting said recesses to avoid interference with bodies associated



with said recesses, the side of one of said walls having a test surface exactly at right angles to a line joining the apexes of said recesses.

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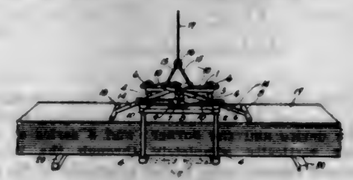
1,564,655. LUMBER-LOADING DEVICE. BERNHARD W. WESTBO, South Prairie, Wash. Filed June 23, 1924. Serial No. 721,688. 4 Claims. (Cl. 294—67.)



4. A device of the class described comprising a horizontal frame structure, a plurality of shafts fixed at their upper ends in said frame and extending downwardly therefrom, load carrying arms fixed to the lower ends of the shafts and clamping levers pivotally mounted in the frame having ends adapted for connection with a hoisting means and their opposite ends adapted to be clamped against the top of the load in opposed relation to the said supporting arms when tension is applied to the hoisting means.

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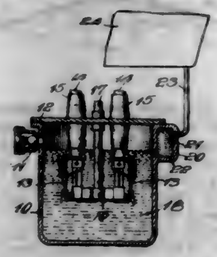
1,564,656. LIQUID-FEED SYSTEM. FAY WOODMANSEE, Maywood, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 22, 1920. Serial No. 353,252. 1 Claim. (Cl. 137—68.)



In combination, a container, a partition dividing the container into two receptacles, one of the said receptacles being comparatively larger than the other and containing liquid and gaseous matter, the other receptacle being relatively small and containing only liquid matter, means including an aperture in the said partition for connecting the said receptacles, means connecting the smaller receptacle to a liquid supply, the said aperture being normally below the surface of the liquid in the larger receptacle, means governed by the gas above the liquid in the large receptacle for causing liquid to flow from the said small receptacle through the said aperture into the large receptacle and means including a safety valve connected to the large receptacle for permitting the gas to escape therefrom whenever the pressure of the entrained gas exceeds a predetermined amount.

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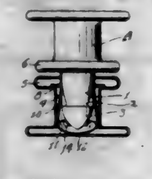
1,564,657. CUFF BUTTON. GERHARD WULLUM, Chicago, Ill. Filed Feb. 16, 1925. Serial No. 9,586. 3 Claims. (Cl. 24—102.)



1. A cuff botton of the character described comprising a pair of cooperating parts each adapted to be secured to the cuff of the garment or the like, a tongue carried by one of said parts extending longitudinally therefrom on the axis of said part, a sleeve slidably disposed partially within the other of said parts and concentric with the axis thereof, said sleeve being expandable at its innermost end and having teeth projecting inwardly therefrom for engagement with said tongue on said first named part when said tongue is projected within said sleeve, and means associated with each of said parts for spreading said sleeve thereby moving said teeth out of engagement with said tongue when said first and second named parts are forced toward one another.

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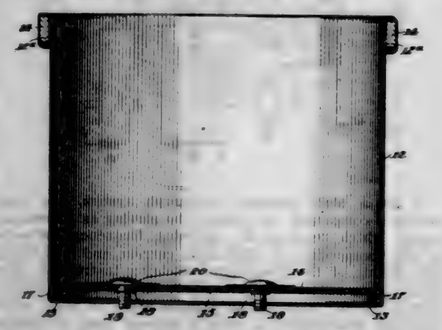
1,564,658. TANK. CHARLES A. XARDELL, Utica, N. Y., assignor to The Xardell Corporation, Utica, N. Y., a Corporation of New York. Filed July 3, 1923. Serial No. 649,288. 2 Claims. (Cl. 220—69.)



2. A tank comprising a sheet metal body having a double bottom secured to said body in such a manner as to form a water-tight joint, non-rotatable bolts fitted to said bottom, and sheet metal caps soldered so said bottom over the heads of said bolts to form water-tight joints over the heads of said bolts, said caps having outwardly extending flanges to facilitate soldering.

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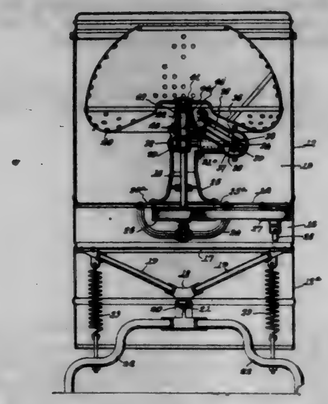
1,564,659. WASHING AND WRINGING MACHINE. CHARLES A. XARDELL, Utica, N. Y., assignor to The Xardell Corporation, Utica, N. Y., a Corporation of New York. Filed Feb. 4, 1924. Serial No. 690,398. 6 Claims. (Cl. 68—18.)

1. A washing and wringing machine comprising a tank, a fixed standard in said tank, a vertical shaft

mounted in said standard, an inclined shaft supported by said standard, reducing gearing connecting said inclined shaft to said vertical shaft, a receptacle, and



means whereby said receptacle may be alternately operatively connected to said shafts for washing and wringing operations.

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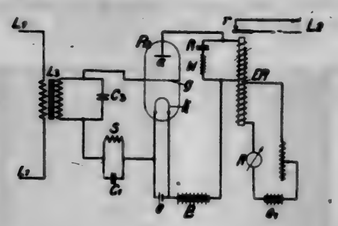
1,564,660. HIGH-FREQUENCY-CABLE TELEGRAPHY. HEINRICH FASSBENDER, Charlottenburg, and ERICH HABANN, Berlin, Germany, assignors to Deutsche Telephonwerke G. m. b. H., Berlin, Germany. Filed Aug. 22, 1921. Serial No. 494,388. 4 Claims. (178—88.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a high frequency telegraph system, the combination comprising an audion-tube serving as thermionic valve, which receives the incoming frequency currents, a relay responding to continuous current and controlling the circuit of the telegraphic receiving instrument, this relay being switched in the anode circuit of the audion and a capacity arranged in parallel with the relay winding and dimensioned in such a manner that it reduces the continuous anode current which flows through the relay in the time when no communication takes place, so that by this reduction the relay responds to the incoming telegraphic signs.

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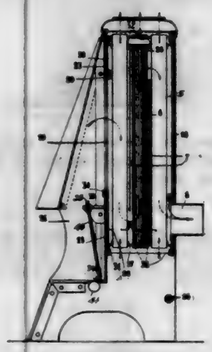
1,564,661. GAS RADIATOR WITH HEAT RECOVERY AND CONTINUOUS VENTILATION. RENÉ FAURE, Paris, France. Filed Feb. 5, 1923. Serial No. 617,184. 1 Claim. (Cl. 126—92.)

A heater, comprising a main body composed of a pair of vertical side members arranged in spaced, parallel relation, and a connecting plate therebetween; a recovery chamber consisting of a vertical shell disposed between said members and behind the connecting plate, with its front wall contacting with the rear face of said plate and hooked thereto at a plurality of different points, said shell being closed at its top and bottom; a burner disposed within the main body at a point forward of the recovery chamber, said plate and the front wall of said chamber having registering apertures forming an inlet for the gases of combustion from the burner, and said chamber also having an aperture in its rear wall forming an outlet for said gases; an incandescent heat-radiating device supported in position to be heated by the burner;



a hood attached to the main body in front of the connecting plate and its aperture and overhanging the heat-radiating device and the burner; and a series of tubes extending vertically completely through the recovery chamber and adapted to be heated externally by the gases of combustion during their passage through said chamber, said tubes opening at their opposite ends to the atmosphere so as to continuously draw in cold air at their lower ends by convection and discharge it in a heated condition at their upper ends.

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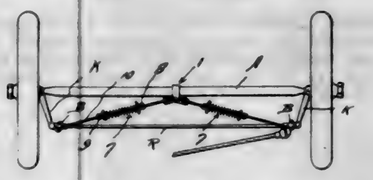
1,564,662. STEERING-GEAR ATTACHMENT. GEORGE FLEMISTER, Rome, Ga. Filed July 28, 1924. Serial No. 728,705. 1 Claim. (Cl. 280—94.)



A device of the class described comprising an axle clamp composed of a substantially U-shaped member adapted to be applied to the axle, a sleeve disposed between the free ends of the arms of said U-shaped member, said sleeve being provided with horizontal diverging arms having their free outer ends upturned and apertured, a clamping bolt passing through said arms and sleeve and yieldable connectors connected to said upturned ends and having means at their outer ends for engagement with a portion of an automobile steering gear.

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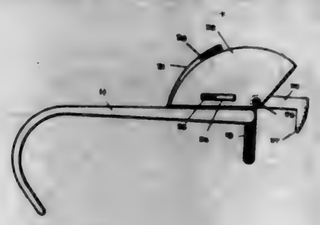
1,564,663. GLARE GUARD FOR EYEGLASSES. THOMAS F. GALLIGAN, Philadelphia, Pa. Filed Apr. 18, 1924. Serial No. 707,427. 16 Claims. (Cl. 2—14.)

1. A glare guard member to be disposed in front of the eyes and being of a width vertically to protect the eyes from light rays coming from in front of the eyes,



said member permitting of vision above and below same when disposed in front of the eyes, and means for supporting said member in front of the eyes for the bodily



upward and downward adjustment of said member to raise and lower both the upper and lower edges of said member.

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1,564,664. FILM-FORMING COMPOSITION. HENRY A. GARDNER, Washington, D. C. Filed Apr. 7, 1925. Serial No. 21,424. 9 Claims. (Cl. 134—79.)

1. A composition of matter comprising an organo-oxy-cellulose compound and a toluene sulfoamid-aldehyde resin.

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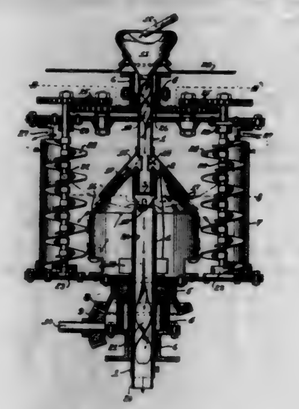
1,564,665. CENTRIFUGAL SEPARATOR. LEROY G. GATES, Bakersfield, Calif. Filed July 16, 1923. Serial No. 651,757. 16 Claims. (Cl. 233—7.)



1. A centrifugal separator comprising a rotatable shell, a central hollow shaft through which the material to be separated is introduced into said shell; a spirally formed baffle within said shaft for imparting initial rotary motion to the material, said baffle having a relatively steep initial portion, and a relatively flat final portion; and means for separately removing from said shell the component parts of said material according to their respective densities.

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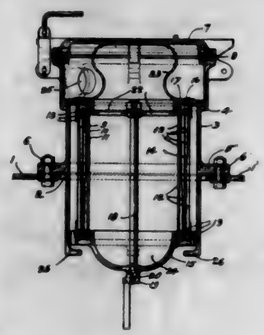
1,564,666. FILTER. JOSEPH FRANCIS GRIFFIN, Brooklyn, N. Y., assignor to The Superheater Company, New York, N. Y. Filed June 20, 1923. Serial No. 646,716. 2 Claims. (Cl. 210—154.)

1. In apparatus of the class described, the combination of a water reservoir, a filter housing extending through and secured to the top of said reservoir and having a ledge extending around its interior near its upper end, a filter element comprising a top plate adapted to rest on said ledge, a lid secured to and closing the



upper end of the housing, and resilient means engaging the lid and the top plate and keeping the latter in engagement with the ledge.

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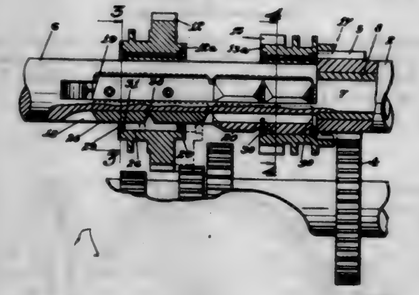
1,564,667. GEARING FOR POWER TRANSMISSION. WALDO J. GUILD, Worcester, Mass. Filed Feb. 20, 1924. Serial No. 694,054. 11 Claims. (Cl. 74—67.)



1. In a transmission gearing, the combination with a rotatable shaft having a gear member shiftable and rotatable thereon, of yieldable driving elements disposed to engage individually in one direction of rotation but grouped to engage in opposite directions and operative in one position of said gear on said shaft to automatically establish a driving connection therebetween.

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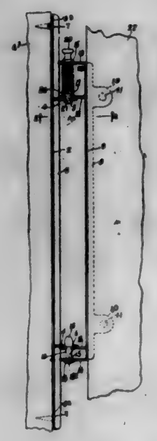
1,564,668. DETACHABLE HINGE FOR IRONING BOARDS. HERMAN HAGEMAN, Dayton, Ohio. Filed May 2, 1924. Serial No. 710,645. 7 Claims. (Cl. 16—171.)

7. In combination, a swinging plate, a supporting plate, ears struck up from the surfaces of each of said plates at right angles thereto, said ears overlapping each other and having coinciding apertures therein for receiving pivot pins, pivot pins, outside ears turned up on said swinging plate parallel to the first-mentioned ears but spaced therefrom with coinciding apertures adapted to support the outer ends of said pivot pins, and means to yieldingly maintain one of said pins in engaging

position and means to move said pin against said yielding means to permit of its detachment from the supporting plate ear whereby the other pin may be



detached from the other supporting plate ear, and ribs on said supporting plate and swinging plate turned up on the edges of said plates to strengthen them.

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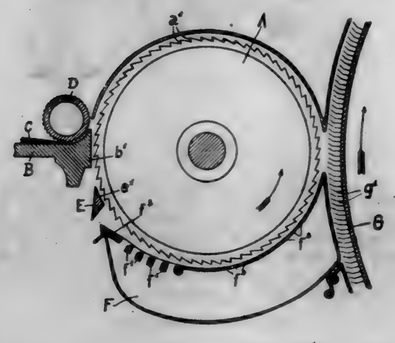
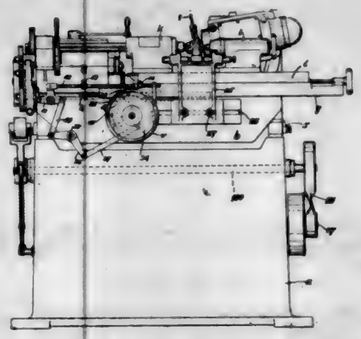
1,564,669. LICKER-IN DEVICE FOR CARDING ENGINES. BERNHARD HAGEMANN, Langenhorst, near Ochtrup, Germany. Filed Apr. 29, 1925. Serial No. 26,779. 2 Claims. (Cl. 19—105.)



1. A licker-in device for carding engines, comprising feeders, a rotary licker-in cylinder, and a separating member arranged beneath the cylinder and providing in part a grate and in part a screen, a knife arranged ahead of the separating member with that face next the cylinder approximately tangential to such cylinder, the grate portion of the separating member having a fiber catching bar adjacent the knife and being spaced farther from the cylinder than the screen portion of the separating member, the latter being substantially concentric with the cylinder.

1,564,670. METAL-WORKING MACHINE. BENGT M. W. HANSON, Hartford, Conn.; Einar A. Hanson and Clarence E. Whitney, executors of said Bengt M. W. Hanson, deceased. Filed Nov. 1, 1919. Serial No. 334,952. 81 Claims. (Cl. 57—95.)



1. In a machine of the character described, and in combination, a fixed bed, a grinding wheel thereon, a rocking bed fulcrumed on said fixed bed, a work holder slidably mounted on said rocking bed and having means for rotatably supporting a piece of work, and automatically operable means for rocking said bed.

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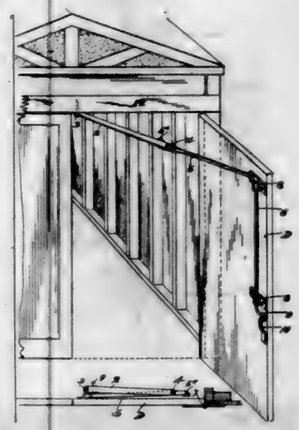
1,564,671. GARAGE-DOOR HOLDER. LOUIS E. HEILIG, Sherman, Calif. Filed Apr. 8, 1925. Serial No. 21,596. 5 Claims. (Cl. 291—263.)



1. A hinged door holder for over-head adaption to a garage door and comprising knuckle-jointed link and arm members one of which is pivotally connectible to a door-frame header, and the other of which has a rock-shaft attachable vertically to the door in such position that as the door opens to a desired angle the link and the arm elements straighten out and pass a dead center point, said link and arm members being at the upper end of the rock-shaft.

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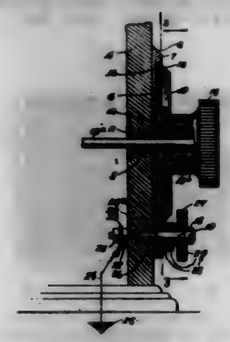
1,564,672. COMBINED SHIELD PLATE, DIAL, AND VERNIER. CHARLES J. HENSCHEL, Arlington, N. J. Filed June 15, 1922. Serial No. 568,589. 6 Claims. (Cl. 250—40.)

1. A device of the character described, comprising a shield plate provided with a thickened edge and having



an indication thereon, means for grounding said shield plate, and a dial made of insulating material and revolu-



bly mounted upon said shield plate, said dial being provided with an indicator portion registering with the indication upon thickened edge of the shield plate.

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1,564,673. EXPANSION REAMER. CHARLES E. HOCKING, Lancaster, Pa. Filed Oct. 11, 1924. Serial No. 743,154. 1 Claim. (Cl. 77—75.5.)

An expansion reamer comprising in combination, a spindle, a plurality of longitudinal grooves in said spindle, a plurality of reamer blades longitudinally adjustable in the grooves, adjusting nuts threaded upon the spindle and disposed at opposite ends of the blades and steady rings received on the spindle and interposed between the nuts and blades, said rings being provided with notches in their outer edges adjacent the blades, each notch being beveled in the same plane as an end of a blade so as to receive the same.

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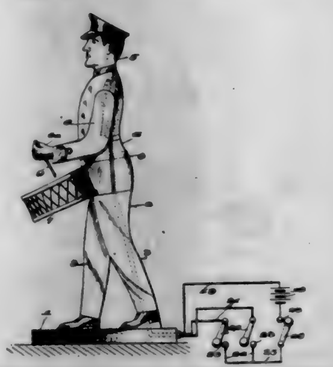
1,564,674. FIGURE TOY. HERBERT CHARLES HODGKINS, Scotia, N. Y. Filed Nov. 14, 1924. Serial No. 749,932. 1 Claim. (Cl. 46—40.)



In a figure toy, a figure representing a drummer and including a hollow body, a pair of arms, means for mounting the arms for swinging movement at the shoulders of the body and including a sleeve shaft for each arm and a central shaft for the sleeve shafts, drum sticks carried by the arms, a drum carried by the body and arranged and designed to be sounded by the drum sticks when the arms are swung back and forth, and means for swinging the arms back and forth including armatures fixed to the sleeve shafts within the hollow body, electro-magnets associated with the armatures, circuits for the magnets and selectively operable switches for the circuits.

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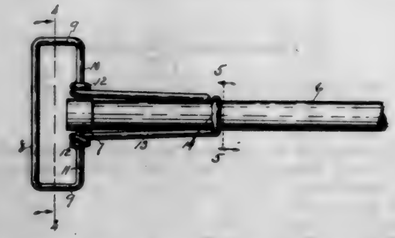
1,564,675. MOP HOLDER. FREDERICK C. HOFFMAN, West Hartford, Conn. Filed Aug. 9, 1924. Serial No. 731,029. 6 Claims. (Cl. 15—150.)



1. A mop holder comprising two frame members each of which members includes a jaw located opposite the jaw on the other frame member, an integral pivot bar and an integral pivot eye through which eye the bar on the other frame member extends, means for supporting each of said frame members, and means for actuating the jaws.

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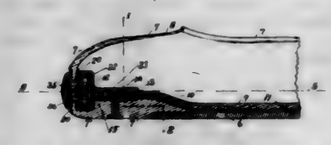
1,564,676. DANCING SLIPPER. EDWIN HOPKINS, New York, N. Y. Filed Oct. 3, 1919. Serial No. 328,174. 7 Claims. (Cl. 36—1.)



1. In a toe dancing slipper, a pivot adapted to remain at rest upon the floor, and means mounted for rotation upon said pivot including a ball bearing affixed to the slipper at the toe end thereof and arranged to receive said pivot in such a manner that the axis of the pivot is disposed in substantially parallel relation to the bottom of the slipper and with the toe and heel axis thereof.

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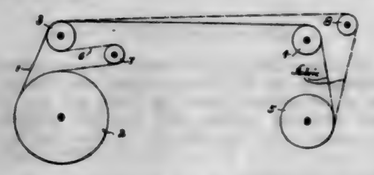
1,564,677. LOOM. ALFRED JOHN, Gera-Reuss, Germany. Filed June 3, 1925. Serial No. 34,603. 2 Claims. (Cl. 139—97.)



1. In a loom mechanism of the character set forth for simultaneously turning out two individual webs, two separate warps, a warp beam and a piece beam, both common to said two warps, a guide roll, a breast beam, a beam intermediate said warp beam and said roll, and a second breast beam intermediate said roll and said piece beam, one of said warps running from said warp beam over said roll and said breast beam to said piece beam, and

the respectively second warp running from said warp beam successively over said intermediate beam, said roll, said second breast beam to said piece beam, and means for relatively parallelly shifting said intermediate beam and said second breast beam in respectively opposite sense.

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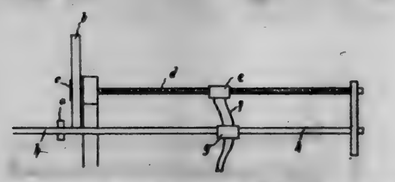
1,564,678. LOOM. ALFRED JOHN, Gera-Reuss, Germany. Filed July 3, 1925. Serial No. 41,251. 1 Claim. (Cl. 139—141.)



In a device of the character set forth, in combination with a loom frame and a lay mounted therein for swinging reciprocation, racks fixed to the lay at the two sides thereof and extending substantially in the plane of operative movement thereof, a screw spindle rotatably mounted in the machine frame, toothed wheels fixed on said screw spindle, one at each end thereof, and respectively meshing with the said racks, a slide member threading on said spindle, a curved guide arm rigidly extending from said slide member and tapering down toward its free end, a second slide member, guide rods for the latter, said curved guide arm engaging in, and being guided by, said second slide member with a certain back-lash, and means for transmitting the movement of the second said slide member to the shuttle.

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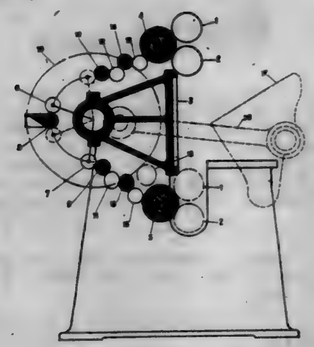
1,564,679. INKING APPARATUS FOR PLATEN PRESSES. OTTO JOHNE, Bautsen, Germany. Filed Nov. 25, 1924. Serial No. 752,226. 3 Claims. (Cl. 101—360.)



1. An inking apparatus for platen presses comprising in combination an ink cylinder above the form of the press, an ink cylinder below the form, and two inking rollers oscillating between said two ink cylinders in such a manner that they roll prior to every printing operation once over the form and ink the same completely by one single rotation.

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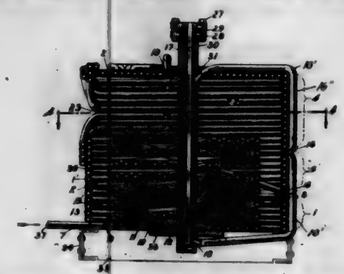
1,564,680. FLASH BOILER. LESLIE C. KELLEY, Oakland, Calif. Filed Aug. 8, 1923. Serial No. 656,859. 4 Claims. (Cl. 122—250.)

1. A flash boiler for automobiles and the like, comprising an outer shell with a closed top and a series of superimposed groups of coils within said shell and spaced from said top, the said space being the combustion chamber of the boiler, the coils of each group spaced horizontally from one another, and successive groups of coils spaced vertically, the said shell and



top consisting of contacting coils of tubing formed as a rigid drum with an open bottom, the said structure adapted to direct the gases of combustion downwards through said internal series of spaced coils and through said open bottom into the atmosphere.

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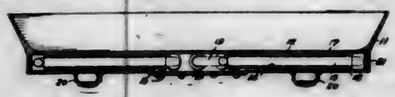
1,564,681. ELECTRICAL HEATING DEVICE. ARTHUR J. KRECHEL, Berkeley, Calif. Filed Apr. 12, 1923. Serial No. 631,497. 10 Claims. (Cl. 219—44.)



1. An electrical heating device comprising a metallic member formed by casting and conduits of insulating material imbedded therein in the formation of said member.

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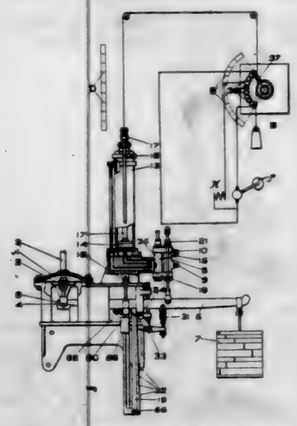
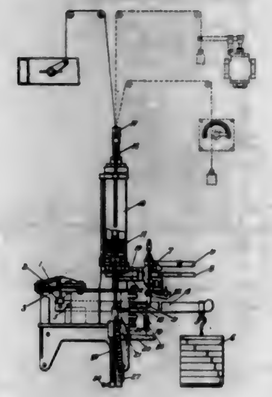
1,564,682. REGULATOR. JAMES LEWIS KIMBALL, Salem, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass., a Corporation of Massachusetts. Original application filed Mar. 7, 1921. Serial No. 450,376. Divided and this application filed Oct. 23, 1923. Serial No. 670,344. 52 Claims. (Cl. 103—11.)



1. In a pressure-regulator system, the combination with a fluid system, means for controlling the pressure obtaining in said system, and a pressure device operated in accordance with the pressure obtaining in the fluid system, of a cam member operated by said device for accentuating the positions of said controlling means



1,564,683. PRESSURE REGULATOR. JAMES L. KIMBALL, Salem, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem Mass., a Corporation of Massachusetts. Filed Apr. 6, 1923. Serial No. 630,289. 17 Claims. (Cl. 236—85.)



1. The combination with a fluid pressure motor and a pressure device, of means controlled by the pressure device for effecting the operation of the fluid-pressure motor, means controlled by the operation of the fluid-pressure motor, adapted to render the fluid-pressure motor ineffective at each of a plurality of positions in the operation of the fluid-pressure motor and means for adjusting the said positions.

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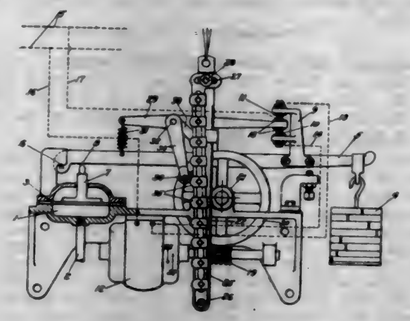
1,564,684. PRESSURE-CONTROL APPARATUS. JAMES L. KIMBALL, Salem, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass., a Corporation of Massachusetts. Filed Apr. 19, 1923. Serial No. 633,282. 13 Claims. (Cl. 236—85.)



1. In combination with a pressure-controlling device, an electric motor for controlling said device, a pressure-responsive element, and means actuated by said element for effecting the operation of said motor and a circuit-interrupting attachment controlled by the operation of the motor adapted to render the motor inoperative at each of a plurality of predetermined pressure settings of the pressure responsive element and means to adjust said attachment to effect a greater or less pressure variation between the limits of the operation of the pressure-controlling device.

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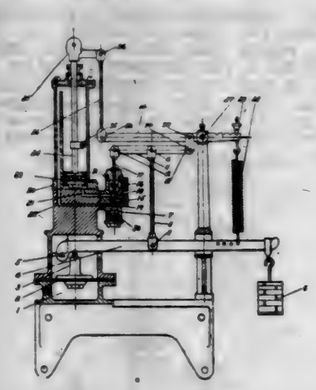
1,564,685. DAMPER REGULATOR. JAMES LEWIS KIMBALL, Salem, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass., a Corporation of Massachusetts. Filed June 16, 1921. Serial No. 478,033. 24 Claims. (Cl. 236—85.)



1. The combination of a motor and a pilot valve, said pilot valve having a neutral position and two effective positions for operating the motor, a pressure device for actuating said pilot valve to either of its effective positions, means operated by the motor for returning the pilot valve to its neutral position upon the motor commencing to act, and means associated with said motor and said pressure device for maintaining an equilibrium of the pressure device during the said return movement of the pilot valve to its neutral position.

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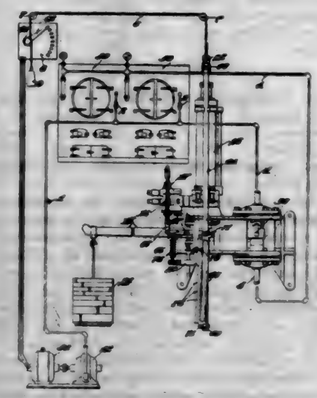
1,564,686. REGULATOR. JAMES LEWIS KIMBALL, Salem, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass., a Corporation of Massachusetts. Continuation of application, Serial No. 456,148, filed Mar. 28, 1921. This application filed Nov. 14, 1924. Serial No. 749,912. 22 Claims. (Cl. 103—12.)



1. In a steam-generating system comprising a boiler, a pump for supplying the boiler with water, and a motor for driving the pump, means independent of the steam generated by the boiler for driving the pump motor, a motor for controlling the pump motor, and means for controlling the controlling motor, said means being con-

trolled in accordance with variations in the pressure of the steam generated by the boiler and the pressure of the water supplied by the pump.

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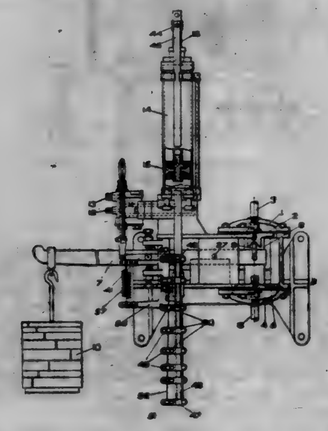
1,564,687. PRESSURE-CONTROL APPARATUS FOR CONTROLLING THE OPERATION OF BOILER-FEED PUMPS FOR MAINTAINING FEED-LINE PRESSURE A PREDETERMINED VALUE IN EXCESS OF THE STEAM PRESSURE. JAMES LEWIS KIMBALL, Salem, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass., a Corporation of Massachusetts. Filed Feb. 7, 1924. Serial No. 691,271. 11 Claims. (Cl. 103—19.)



1. In apparatus for controlling boiler feed line pressure consisting of a pump for supplying the boiler with water, motive means for driving the pump, means for controlling the speed of the motive means, a motor for actuating the speed-controlling means, a pressure-responsive device controlled in accordance with the steam generated by the boiler and the pressure of water supplied by the pump, means actuated by said pressure-responsive device to controll the motor which controls the speed-controlling means, and means operated by the motor for effecting a variable speed control of the motive means.

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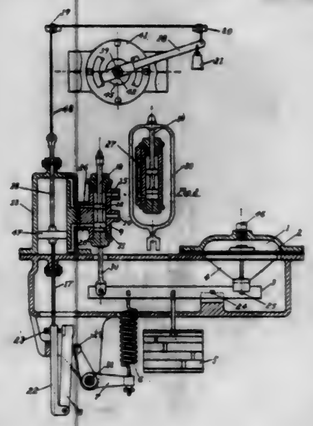
1,564,688. PRESSURE-CONTROL APPARATUS. JAMES LEWIS KIMBALL, Salem, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass., a Corporation of Massachusetts. Filed May 11, 1921, Serial No. 468,684. Renewed May 13, 1925. 15 Claims. (Cl. 50—10.)

1. In a fluid-pressure system, the combination with a fluid-pressure device controlled by the pressure in the system, a valve controlled by the fluid-pressure device, a motor controlled by the valve, and an adjustable compensator controlled by the motor for counteracting the action of the fluid-pressure device, of a rotatable balanced-fluid-pressure valve automatically adjustable by the motor for controlling the pressure in the system, and means for manually adjusting the fluid-pressure valve to cause the variations in the pressure of the system transmitted to the fluid-pressure device to bear a predetermined relation to the counter action controlled by the compensator for all stages of motor travel.

12. A fluid-pressure valve having, in combination, a valve casing having an inlet opening and an outlet opening, an interiorly disposed open cage, a valve bonnet closing the cage having a stuffing box, the cage being provided with a plurality of circumferentially disposed ports, a valve tube having a plurality of circumferentially disposed ports each adapted to register with one of the cage ports, a valve stem connected to the tube extending through the stuffing box, an actuating lever, the bonnet



having guide ways for the lever concentric with the said stem, and an adjusting nut threadably mounted on the valve stem and supported by the actuating lever.

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1,564,689. METHOD OF REDUCING THE VICOSITY CHARACTERISTICS OF NITROCELLULOSE. NEIL S. KOCHER, and VICTOR E. KIMMEL, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 25, 1925. Serial No. 11,591. 7 Claims. (Cl. 260—148.)

1. The process of treating nitrocellulosic material, which comprises acting thereon with a solution of mineral acid containing a chlorate of an alkali metal until the viscosity characteristics of the nitrocellulose are reduced, the action being stopped before denitration of the nitrocellulose reduces its nitrogen content below 9.5%.

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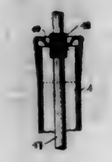
1,564,690. SEAL FOR LEADING-IN WIRES. OSIAS KRUH and ERNST WOLF, Vienna, Austria. Filed Dec. 23, 1920. Serial No. 432,788. 12 Claims. (Cl. 176—35.) (Granted under the provisions of the act of Mar. 3, 1921. 41 Stat. L., 1313.)



1. A device for hermetically sealing the ends of glass tubes comprising a metal cap, the side walls of which decrease in thickness toward the edge, said side walls being fused directly to the glass tube.

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1,564,691. LATCH FOR COVERS OR DOORS. NELSON M. LANGDON, Charlotte, Mich. Filed July 18, 1924. Serial No. 726,772. 9 Claims. (Cl. 292—114.)

6. A latch including a bracket, an integrally connected hook, spring and stem unit having the stem thereof



screwed through said bracket rigidly and adjustably mounting the spring, and a handle carried by the hook

and operable for flexing the spring of said unit and manipulating the hook.

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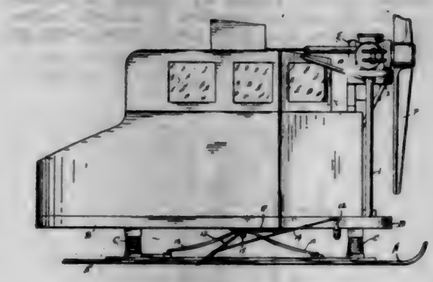
1,564,692. DIRIGIBLE SLEIGH. AUGUST LABILLIERE, Soda Springs, Idaho. Filed Mar. 21, 1925. Serial No. 17,207. 1 Claim. (Cl. 180—8.)



A dirigible sleigh comprising a pair of runners; a frame secured thereon; springs between said runners and said frame; an enclosed body secured on said frame; an engine base secured to the front of said body and supported by said frame; an engine pivoted on said base; a depending pivot-rod to whose upper end said engine is secured, and to whose lower end a segment gear is fastened; a steering wheel having a depending rod; a spur gear secured on and rotatable with said steering rod, with its teeth meshing with the teeth of said segment gear; a propeller secured on and operable by said engine; a brake shoe on each side of said frame adapted to engage with the earth; and means to manually operate each of said brake shoes independently of the other.

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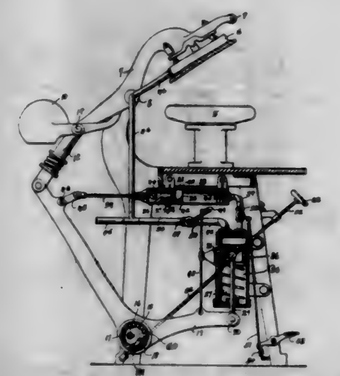
1,564,693. GARMENT PRESS. JAMES C. LEDERTTE, Brooklyn, N. Y., assignor, by mesne assignments to Liberty National Bank, trustee, Syracuse, N. Y. Filed Oct. 27, 1923. Serial No. 671,121. 25 Claims. (Cl. 68—9.)

1. A pressing machine comprising in combination, co-operating press members, means to close the press manually, means to produce final pressure by the application of motor means to the closed press, and power



means for raising one press member high above the other from closed pressing position to fully opened position.

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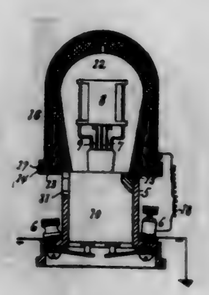
1,564,694. SHIELD FOR AMPLIFIER OR DETECTOR TUBES. EDWARD H. LEECHER, East Orange, N. J. Filed Oct. 10, 1922. Serial No. 593,515. 2 Claims. (Cl. 250—27.)



1. A shield for electron discharge tubes comprising a base provided with a socket having positive and negative conductors, an electron detector or amplifier tube mounted in the socket, a collar secured to the upper portion of the base, an inverted open bottomed cage supported on the collar to cover the top and sides of the tube so as to shield the tube from stray electromagnetic currents, means for removably locking the cage to the collar, and means for conducting the currents from the cage to the negative connection.

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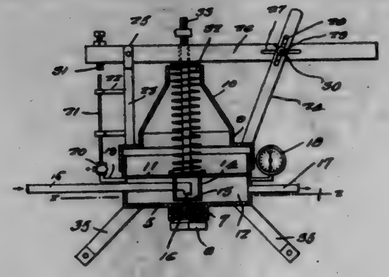
1,564,695. TIRE-GAUGE INSTRUMENT. ERNEST LETZRING and WILLIAM SKJERVEN, Park River, N. Dak. Filed Sept. 28, 1925. Serial No. 59,146. 4 Claims. (Cl. 50—12.)

1. An instrument of the class described including a container, an inlet pipe leading into the container, an outlet pipe leading from the container, a pipe section leading from the container, a release valve in the pipe section, a push rod operatively associated with the re-

lease valve, a diaphragm controlled valve associated with the inner end of the inlet pipe, a spring associated with the diaphragm controlled valve, a lever for con-



trolling the tension of said spring, a member on the lever engageable with the push rod, and means for holding the lever in different adjusted positions.

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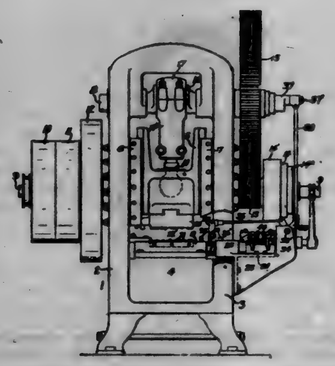
1,564,696. STRIP-METAL STRAIGHTENER. SYLVANUS D. LOCKE, Bridgeport, Conn., assignor to The Locke Steel Chain Company, Bridgeport, Conn. Filed Apr. 25, 1924. Serial No. 708,900. 44 Claims. (Cl. 153—54.)



1. In combination, means for guiding a fed strip of metal, rolls for operating upon the strip, and mechanism actuated by the strip for the purpose of establishing a right-angle relation between said rolls and strip, as the strip is fed.

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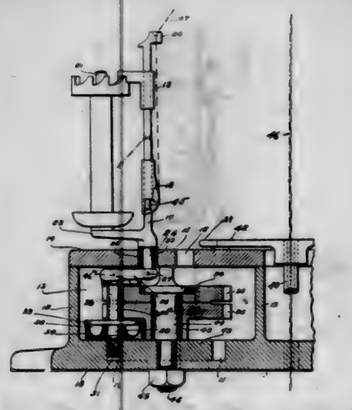
1,564,697. BRAIDING MACHINE. GEORGE F. MCCARRY, Providence, R. I., assignor to J. M. Braider, Inc., East Providence, R. I., a Corporation of Rhode Island. Filed May 21, 1924. Serial No. 714,806. 14 Claims. (Cl. 96—8.)

1. In a braiding machine, spaced upper and lower fixed raceway plates, the raceway in said lower plate being of a depth less than the thickness of said plate, a carrier guided in and extending through said upper plate and having its lower end guided in the raceway of said



lower plate, and a train of driving gears intermeshing with each other and operatively mounted intermediate the raceways for driving said carrier.

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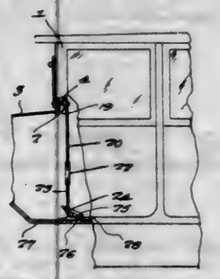
1,564,698. VEHICLE DIRECTION INDICATOR. HOWARD MCCAIN, Marion, Ky., assignor of one-third to John McCain and one-third to Mitchell Jackson, both of Marion, Ky. Filed Apr. 8, 1924. Serial No. 705,083. 1 Claim. (Cl. 116—54.)



A structure of the class described comprising a horizontal shaft adapted to be rotatably mounted upon a support, an arm secured to and extending angularly from one end of the shaft for rotation with the latter, a disc fixed to the opposite end of said shaft, an operating rod, said rod being composed of sections, said sections being adjustably connected together, and one of the sections being eccentrically connected with said disc, and manually manipulated means cooperating with the other section for effecting operation of said rod and shafts.

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1,564,699. PACKER FOR WELLS AND THE LIKE. ROBERT L. MCCARTNEY, Houston, Tex., assignor to Layne & Bowler Company, Houston, Tex., a Corporation of Texas. Filed Mar. 11, 1922. Serial No. 542,866. 5 Claims. (Cl. 166—10.)

1. The combination with a casing a tubular support therein, a packing mounted on said support, a female



member having a contracted end adapted to wedge between said support and packing, to expand the packing, said contracted end of the female member being adapted

to grip said support but being expansible to permit the ready movement of said female member relative to the support.

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1,564,700. NUT LOCK. THOMAS FRANCIS VINCENT MCGLYNN, Philadelphia, Pa. Filed Mar. 12, 1924. Serial No. 698,625. 4 Claims. (Cl. 151—8.)

1. A nut lock comprising a threaded bolt having a slot extending longitudinally therethrough from end to end and a key adapted to interfit with and be inserted within said slot and having a threaded portion the threads of which are pitched at a slight variance with the pitch of the threads of the bolt, said bolt and key being adapted to have a nut screwed thereon.

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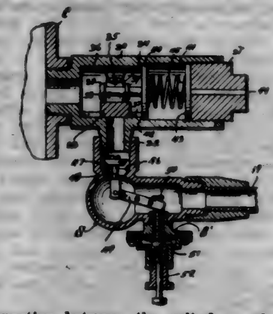
1,564,701. HYDRAULIC BRAKE. CHARLES F. MATTINGLY, St. Louis, Mo., assignor to Mattingly Automatic Valve Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 13, 1924. Serial No. 699,017. 6 Claims. (Cl. 188—152.)

1. In combination, a plurality of braking units, a cylinder, a separate communication between the cylinder and each of the units, a piston working within said cylinder, means associated with the piston for imposing requisite pressure upon the fluid, and means interposed



in the connection between the cylinder and one of the units for normally closing the flow through such connection.

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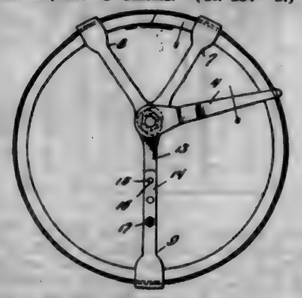
1,564,702. TIRE-RIM TOOL. THOMAS F. MAY and DE WITT C. PERRY, Ruth, Nev., assignors of one-third to Barton B. Walker, Ruth, Nev. Filed Apr. 21, 1925. Serial No. 24,788. 2 Claims. (Cl. 157—1.)



1. A rim tool of the class described including a noncircular bolt, discs mounted on said bolt to be disposed off center thereof, and to project in different directions, a crank for turning the bolt, and a plurality of arms having rings at their inner ends for receiving the discs.

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1,564,703. HOLDER. JOSEPH H. NICHOLS, Huntington, W. Va. Filed Nov. 10, 1924. Serial No. 748,905. 1 Claim. (Cl. 248—37.)

In a device for mounting a staff on an automobile bumper, a vertical staff-receiving socket of tubular form, a lower transverse jaw wherein the lower end of the

socket is securely and fixedly mounted, the socket extending but part-way through the lower jaw and the lower end of the socket being closed by the lower jaw thereby to prevent a staff in the socket from sliding downwardly through the socket and coming into contact with the ground whilst the automobile is moving, a transverse upper jaw slidable upon the socket toward and away from the lower jaw, and means for holding the upper jaw releasably on the socket in adjusted positions longitudinally of the socket and with respect to the lower jaw, the jaws being provided with transverse seats for the reception of the upper and lower edges of an automobile bumper, the seats being formed by inner shoulders and outer flanges, the flanges being shorter than the shoulders, measured vertically, whereby the upper and lower edges of an automobile bumper may clear the flanges, strike the shoulders, and be lodged in the seats, when the flanges are separated by a vertical distance, just sufficient to permit the bumper to pass between them.

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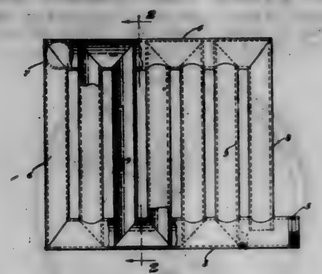
1,564,704. HEAT-EXCHANGE DEVICE. AARON F. NORTON, Los Angeles, Calif. Filed June 23, 1924. Serial No. 721,795. 2 Claims. (Cl. 257—252.)



1. A heat exchange unit of the character described comprising a pair of spaced headers, a plurality of cross conduits joining said headers, said cross conduits being bevelled at their ends, extending into said headers and being arranged so that the openings of adjacent conduits at the same ends face one another to provide a sinuous path.

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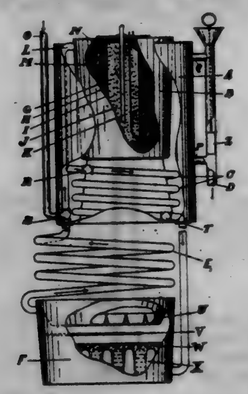
1,564,705. REFRIGERATING APPARATUS. WILLIAM W. ODELL, Washington, D. C., and CLIFFORD W. SEIBEL, Bethesda, Md. Filed July 26, 1922. Serial No. 577,771. 26 Claims. (Cl. 62—5.)



1. In an absorption refrigeration apparatus a generator, a means to condense the refrigerant from the generator, and a means to evaporate it and return it to said generator, a heating chamber within said generator, a removable heating element within said chamber contacting substantially the entire surface of the heating chamber which latter is contacted over substantially its entire outer surface by the absorbent.

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1,564,706. WALL-BOARD COMPOSITION. JOHN WALTER OELHAFEN, Tomahawk, Wis. Filed Sept. 4, 1924. Serial No. 735,956. 2 Claims. (Cl. 106—30.)

1. A wall board composition comprising 89% sawdust, 1% molasses, 5% sodium silicate, and 5% whiting.

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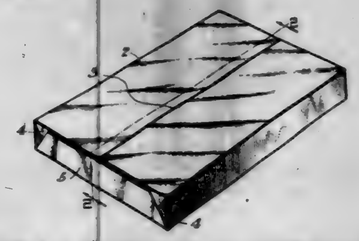
1,564,707. PACKAGE OF WRAPPED PHOTOGRAPHIC MATERIAL. VIRGIL M. PALMER and HENRY M. THOMAS, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 10, 1923. Serial No. 638,122. 3 Claims. (Cl. 206—46.)



1. A package having photographically sensitive film enclosed in a substantially moisture-proof wrapping, said wrapping comprising layers of fabric material and asphaltum, said wrapping being substantially free from sulfur, ammonia, and turpentine.

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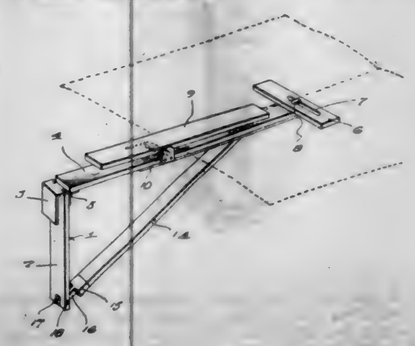
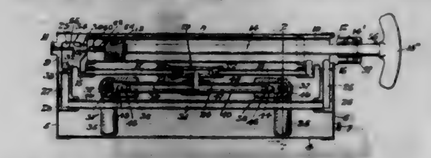
1,564,708. ARTICLE HOLDER. JOHN D. PAYNE, New York, N. Y. Filed Sept. 18, 1924. Serial No. 738,453. 1 Claim. (Cl. 45—59.)



An article holder of the class described comprising a belt engaging device including a part to bear against the outer face of the belt, and a clip to engage over said belt, a horizontal arm hingedly connected at its inner end to the belt engaging device, spaced guide channels secured to the under side of said arm, rack teeth formed between said channels, a cross piece adjustably connected to the free end of said arm, a spring pressed clamping finger connected with the intermediate portion of the arm, and a diagonal brace pivotally connected at its lower end to the belt engaging device and having its upper end formed with a head disposed between said channels and cooperable with said teeth.



1,564,709. FIRE EXTINGUISHER. GEORGE T. PEARSONS, New York, N. Y., assignor to Pyrene Manufacturing Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 7, 1916. Serial No. 129,981. 18 Claims. (Cl. 299—98.)



1. In a syringe the combination of a reservoir and a discharge outlet therefor at one end; a piston chamber connected at opposite ends with the reservoir and having outlets from opposite ends; a chamber at one end of the piston chamber with which the reservoir outlet and the outlets of the piston chamber are in communication; a piston; a piston rod to reciprocate the piston extending from the piston chamber at the end opposite to the other chamber; and a valve in the said other chamber operable during the reciprocation of the piston to alternately connect the outlets of the piston chamber with said other chamber for the purpose specified.

8. In a syringe the combination of a reservoir of rectangular shape in cross section; a piston chamber located adjacent the top of the reservoir having a suction inlet and an outlet to the exterior of the reservoir; a piston to reciprocate in said chamber; and an intake tube connected to the suction inlet supported to swing on an axis transversely and centrally of the reservoir with both ends of the tube lying adjacent opposite sides and adapted to assume a position adjacent the top and bottom of the reservoir and intermediate the top and bottom, substantially as and for the purpose specified.

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1,564,710. METHOD OF COATING WITH METALS AND RESULTING PRODUCTS. ARTHUR Z. PEDERSEN, West Orange, N. J., assignor, by mesne assignments, to Madsenell Corporation, New York, N. Y., a Corporation of New York. Filed May 14, 1920. Serial No. 381,435. Renewed Nov. 10, 1923. 5 Claims. (Cl. 204—7.)

1. The method of preparing metallic surfaces to receive adherent metallic coatings which comprises making the object to be coated the anode in a bath containing sulphuric acid of more than about 75% strength.

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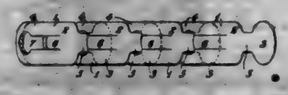
1,564,711. CHAIN, BELT, AND THE LIKE. ALBERT HENRY FRANKS PERL and RICHARD HEMMINGS CARTER, London, England. Filed Oct. 30, 1923. Serial No. 671,796. 3 Claims. (Cl. 74—48.)



1. As a new article of manufacture, a one-piece link having the body of the link formed with a key hole slot to permit the attachment thereto of a companion link, said body being provided with means capable of movement to close a portion of said slot to prevent the separation of the companion link following its attachment.

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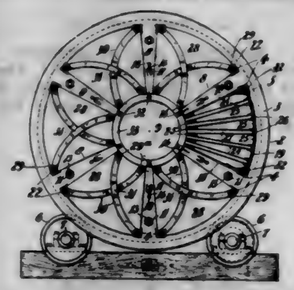
1,564,712. CENTRIFUGAL MOLDING APPARATUS. WILLIAM FARELLY RAFFERTY, Murrumbeena, and OWEN WILLIAMS, Jolimont, Australia. Filed Dec. 3, 1924. Serial No. 753,573. 10 Claims. (Cl. 25—30.)

1. A centrifugal molding apparatus comprising, a rotatably mounted frame, a series of mold-carriers removably supported within said frame, means for restraining said mold-carriers against longitudinal and lateral movement when fitted into said frame, mold-formers in said carriers, means for restraining said mold-formers against movement, means permitting the feeding of concrete mixture into said rotatable frame, and means for rotating said frame.



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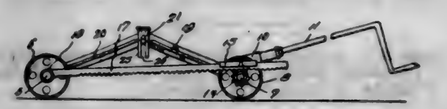
1,564,713. JACK. HARRY E. REITER, Napoleon, Ohio. Filed Aug. 3, 1925. Serial No. 47,823. 3 Claims. (Cl. 254—6.)



1. In a jack, a pair of axles, wheels journaled on the axles, a pair of rack bars having one end journaled on one axle, pinions on the other axle, guide means for holding the racks in mesh with the pinions, means for actuating the last mentioned axle, arms having their ends journaled on the axles and pivoted together, and shoes on the pivoted portions of the arms.

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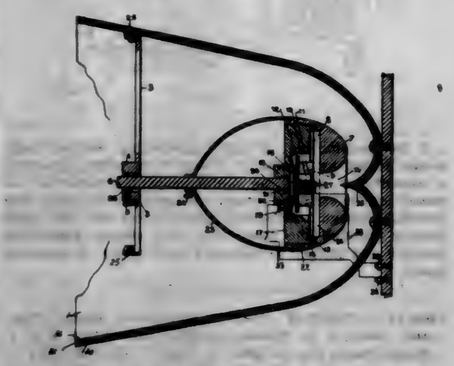
1,564,714. AUDIPHONE. DE ELBERT A. REYNOLDS, Weehawken, N. J., assignor, by mesne assignments, to Audiphone Company of America, New York, N. Y., a Corporation of Delaware. Filed June 17, 1918. Serial No. 240,418. 3 Claims. (Cl. 179—107.)



1. In an electrical device, a sound collector provided with an inner projecting portion, a transmitter disposed within said sound collector and means for adjustably mounting said transmitter relative to said projecting

portion, said mounting means comprising a member in fixed relation to said sound collector, an element secured to said transmitter and adjustable means connecting said member and said element.

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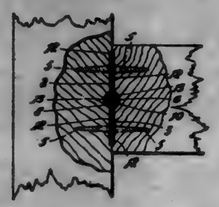
1,564,715. JOINTING AND FASTENING MEANS. GARRETT RUSSELL, Elsternwick, Victoria, Australia, assignor of one-half to Harold James Tully, Melbourne, Australia. Filed Dec. 3, 1924. Serial No. 753,590. 3 Claims. (Cl. 20—92.)



1. An improved jointing device comprising two interfitting plates, slots formed in said plates at intermediate points, projecting loops on said plates to fit through said slots, and a pin adapted to be inserted through the loops of both of the plates to detachably lock the plates in surface abutment.

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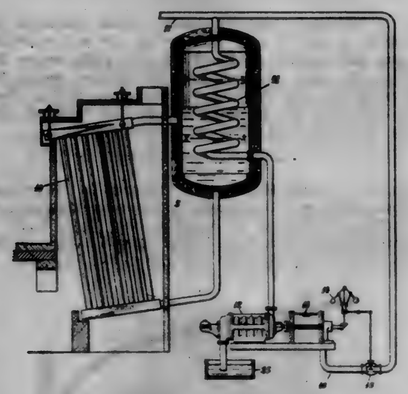
1,564,716. STEAM GENERATION. JOHANNES RUTHS, Djursholm, Sweden. Filed Dec. 27, 1924. Serial No. 758,439. 2 Claims. (Cl. 122—4.)



1. In combination, a steam generating element indirectly heated by means of a heat transmitting medium, a centrifugal pump, an uninterrupted connection between said centrifugal pump and said steam generating element through which said pump forces all the water passing through the pump into said stream generating element and means to maintain said pump at constant speed.

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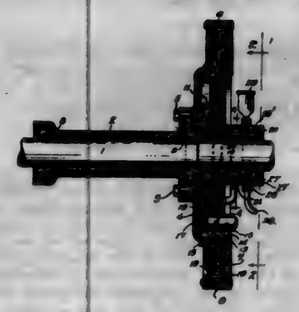
1,564,717. CLUTCH. HORACE F. SCRUBY, Miami, Okla., and CHARLES B. ROGERS, Joplin, Mo. Filed May 7, 1923. Serial No. 637,295. 1 Claim. (Cl. 192—88.)

In a pneumatic clutch, a shaft, a driving member loosely mounted on said shaft, a hub keyed to said shaft, a plate extending from said hub, pins secured to said plate and arranged substantially parallel to the axis of the shaft, a pair of disks movably mounted on said pins, an air bag arranged between said disks and adapted to retain them in spaced relation when air is admitted thereto, friction linings arranged on the outer faces of



said disks, a casing carried by said driving member and surrounding said disks, and springs arranged on opposite sides of said disks to normally retain them in inoperative position.

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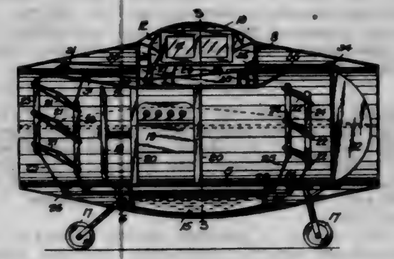
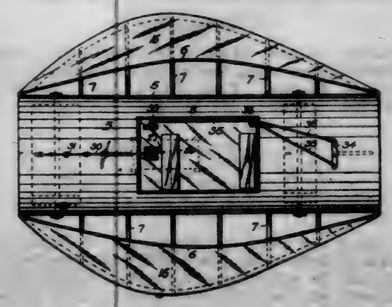
1,564,718. FLYING MACHINE. WILLIAM B. SEWELL, Denver, Colo. Filed May 6, 1924. Serial No. 711,468. 7 Claims. (Cl. 244—18.)



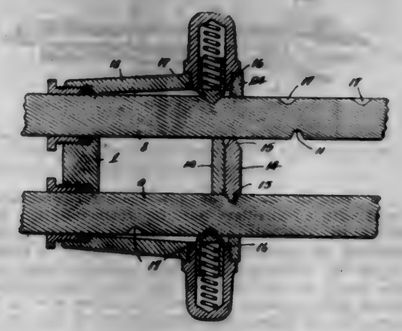


1. A flying machine comprising a body having a horizontal air-passage open at opposite ends thereof, a propeller acting on air in the passage, and longitudinal fins tapering to the ends of the body.

5. A flying machine comprising a body having a horizontal air passage, a propeller, a motor for the propeller, rudders to direct the course of the vessel, and fixed horizontal fins extending lengthwise of the body and tapering to the ends thereof.



1,564,719. LOCK FOR SHIFTING RODS OF CHANGE-SPEED GEARING. GEORGE W. SPONABLE, Syracuse, N. Y., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Oct. 15, 1919. Serial No. 330,849. 1 Claim. (Cl. 74—89.)



In a change speed gearing, the combination of a main case, shifting rods supported in the main case and extending through a wall thereof to the outside of same and an additional casing detachably mounted on the outside of the main case and formed with passages for the rods and locking means within the additional casing and coacting with the rods, said locking means being movable between opposing surfaces of the main case and the additional casing into and out of engagement with the shifting rods and being prevented by said surfaces from endwise movement with the shifting rods.

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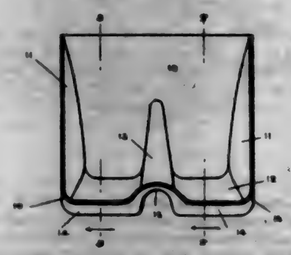
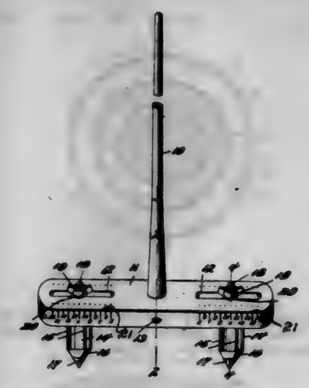
1,564,720. SHOVEL AND SCOOP BLADE. JOHN S. SURBAUGH, Vincennes, Ind. Filed June 20, 1923. Serial No. 646,704. 6 Claims. (Cl. 294—48.)



1. A sheet metal implement blade formed from a blank and having an upstruck handle-receiving roll whose rear end terminates at the rear edge portion of the blade at an angle to the body of the blade, said blade having upstanding flanges at the opposite sides of the roll forming portions of the rear edge of the blade and disposed at substantially the same angle to the body of the blade as the rear end of the roll, the adjacent end portions of said flanges merging into and being integral with the sides of the roll above the body of the blade flush with the rear end of the roll.

5. A sheet metal implement blade having an upstruck handle-receiving roll extending forwardly from its rear edge, with the rear edge portion of the blade extending upwardly at an angle across the rear end of the roll and at an angle to the crown of the roll.

1,564,721. GARDEN SPACER. JOHN P. TALLON, Perry Point, Md. Filed July 12, 1925. Serial No. 43,170. 3 Claims. (Cl. 56—37.)



1. A garden spacer comprising two impression blocks, a support, means for adjustably securing the blocks to the support, a single handle extending from the support at a point between the blocks, the axis of the handle being parallel to the axes of the blocks.

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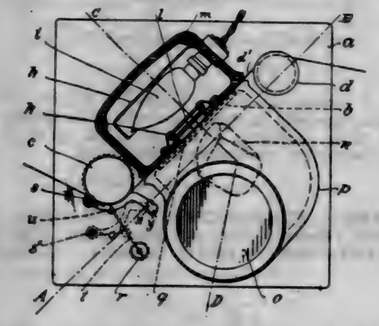
1,564,722. APPARATUS FOR INSPECTING FILM BANDS. ODO D. TAUBAN and FRITZ JENNE, Freiburg, Germany, assignors to Apparatebau Freiburg G. m. b. H., Freiburg, Germany. Filed July 16, 1924. Serial No. 726,333. 3 Claims. (Cl. 88—14.)



1. In an apparatus of the character set forth, in combination with a source of light, a film gate illumined by said source of light, means for traveling a film band past said gate, an enlarging viewing lens extending in a plane substantially at right angles to said film gate, and ray-deflecting means interposed between said gate and said lens for redirecting the image rays onto said viewing lens.

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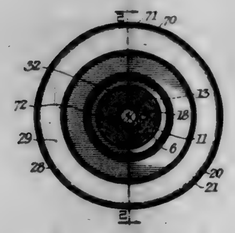
1,564,723. MOTION-PICTURE APPARATUS. JULIEN TESSIER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Original application filed Feb. 12, 1923, Serial No. 618,467. Divided and this application filed July 21, 1924. Serial No. 727,102. 7 Claims. (Cl. 242—71.)

1. In motion picture apparatus, a fixed frame, a shaft fixed in position and extending from said frame, a reel with an axial opening adapted to be placed on

said shaft, a fastening means adapted to hold the reel on the shaft, and a containing element for said reel formed to be positioned over said reel by movement in



a direction parallel to the shaft and said fastening means or to be removed therefrom while said fastening means is operative to hold the reel on the shaft.

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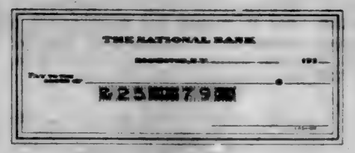
1,564,724. COMMERCIAL-PAPER INSTRUMENT. LIBANUS M. TODD and CHARLES G. TIEVEL, Rochester, N. Y., assignors to The Todd Company, Inc., Rochester, N. Y. Filed June 14, 1922. Serial No. 568,215. 8 Claims. (Cl. 283—0.)




1. A commercial paper instrument printed with a number expressed in figures and with a background for each figure comprising repetitions of the group of letters spelling the corresponding figure word.

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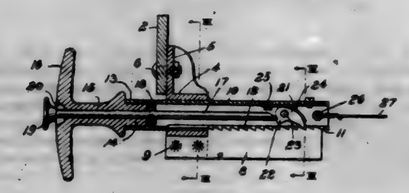
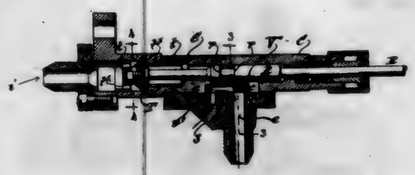
1,564,725. EMERGENCY-BRAKE-OPERATING DEVICE. JAMES B. TOPHAM, Pittsburgh, Pa. Filed Nov. 4, 1924. Serial No. 747,779. 3 Claims. (Cl. 74—39.)



1. An emergency brake operating device comprising a tubular body mounted for bodily sliding movement and provided with an elongated slot at one side thereof, a stationary rack member positioned in alignment with said slot, a dog mounted within the interior of the tubular body cooperating with the said rack, and an actuating rod mounted for sliding movement longitudinally of said body and projecting within the interior of the body for releasing said dog from the rack.

1,564,726. STEAM-ENGINE THROTTLE. CHARLES UEBELMESSER, New York, N. Y. Filed Apr. 4, 1925. Serial No. 20,776. 3 Claims. (Cl. 277—33.)



1. A throttle device of the character designated, formed with an auxiliary port for communication with the exhaust, and with a supplementary slide valve controlled by the throttle valve rod and having a by-pass channel for connection with said auxiliary port, said valve being adapted to open and close communication between said auxiliary port and the outlet port to the engine, for the purpose and substantially in the manner set forth.

3. A throttle device of the character designated formed with an outlet port connecting with the engine and an auxiliary port, a slide valve for cooperation with said ports and having a by-pass channel for connection with one of said ports or with both of them, and a throttle valve rod having spaced-apart shoulders, and the valve having a shouldered extension fitted between said shoulders.

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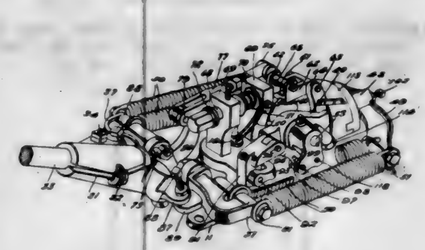
1,564,727. TROLLEY RETRIEVER. ADRIAN C. VAN HOOYDONK, Monroe, Mich. Filed May 9, 1922. Serial No. 559,662. 16 Claims. (Cl. 191—70.)



1. In a device of the character described, the combination of a supporting means, a trolley pole pivotally supported upon said means, spring means for yieldably retaining said trolley pole in an erect position, means including a latching mechanism for retaining said spring means in a tensioned condition, and a spring pressed latch rod carried by said first mentioned means and adapted to be engaged by said trolley pole to actuate said latching mechanism, thereby relieving said spring means of tension, thus permitting the trolley pole to drop to a lowered position, and a locking means for engaging the trolley pole immediately upon its being dropped to a lowered position for holding the trolley pole in a set position, as and for the purpose set forth.

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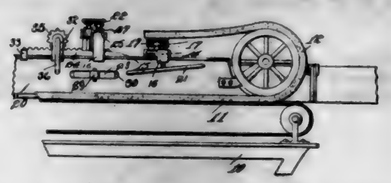
1,564,728. PAPER-MAKING MACHINE. HARRY G. VAN ORNUM, Newton Falls, N. Y. Filed Oct. 9, 1924. Serial No. 742,610. 4 Claims. (Cl. 92—44.)

2. In a Fourdrinier machine, the combination with the longitudinally slotted deckle frame, of slices adjustable



vertically and longitudinally on the frame, one of the slices having guiding and retaining means engaged through the slotted frame, a toothed member on the



frame and operatively connected with the last-named slice, and gear means for engagement with the toothed member for moving the last-named slice.

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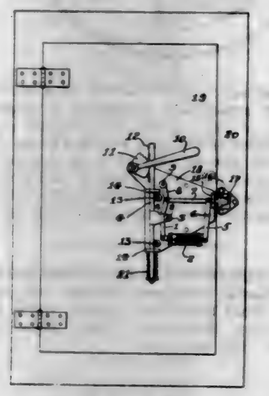
1,564,729. MECHANICAL MOVEMENT FOR DOOR-BOLTS AND THE LIKE. ARNOLD VON SCHRENK, Tuckahoe, N. Y. Filed Oct. 25, 1922. Serial No. 596,750. 5 Claims. (Cl. 292—164.)



2. A mechanical device for actuating door bolts and the like including a power-delivering element and means for applying the energy thereof to press said bolt, said means including a floating lever and a shiftable fulcrum therefor and manually operated means to control the application of said energy.

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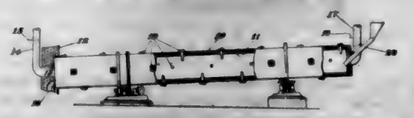
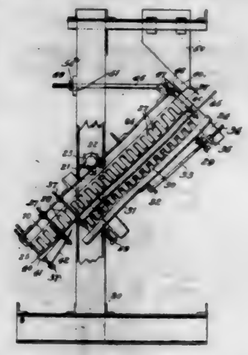
1,564,730. PROCESS OF CALCINING MATERIAL. ALBERT S. WALDEN, Cleveland, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed Mar. 24, 1921. Serial No. 455,300. 5 Claims. (Cl. 202—8.)



1. Process of treating material capable of yielding on heating a combustible volatile portion and an oxidizable solid residue, which comprises moving a stream of the material through regions of successively increasing temperatures, the temperature at which the solid residue begins to undergo substantial oxidation being that of an intermediate region, incompletely burning the evolved gases with a deficiency of oxygen in the regions hotter than said intermediate region, and substantially completely burning the residual gases in the cooler regions.



1,564,731. METHOD AND APPARATUS FOR SEPARATING ORE PARTICLES. JOSEPH WEATHERBY, New Cumberland, Pa., assignor, by direct and mesne assignments, to Weatherby Ore Separator Company, Philadelphia, Pa., a Corporation of Delaware. Filed July 21, 1922. Serial No. 576,622. 15 Claims. (Cl. 209—214.)



1. The art of electrically separating magnetically permeable particles from gangue which consists in passing a mixture of particles and gangue between a progressive multi-phase magnetic field and an induced field.

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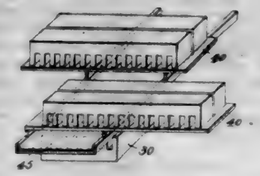
1,564,732. METHOD AND APPARATUS FOR SEPARATING ORE PARTICLES. JOSEPH WEATHERBY, Harrisburg, Pa., assignor to Weatherby Ore Separator Company, Philadelphia, Pa., a Corporation of Delaware. Original application filed July 21, 1922, Serial No. 576,622. Divided and this application filed Feb. 4, 1924. Serial No. 690,582. 15 Claims. (Cl. 209—214.)



1. The art of electrically separating permeable particles from gangue which consists in passing a mixture of particles and gangue between a progressive multi-phase magnetic field and an induced field.

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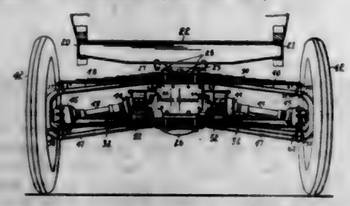
1,564,733. REAR-AXLE ASSEMBLY. CAIUS E. WEAVER, Syracuse, N. Y., assignor to Birmingham Motors, Jamestown, N. Y., a trust. Filed July 18, 1921. Serial No. 485,598. 3 Claims. (Cl. 180—73.)



1. In an automobile rear axle assembly, a differential casing having integral solid seats at its top and bottom, springs engaged at their central portions against the seats, means to immovably connect said portions of the

springs to the seats, wheel carriers, shackle links movably connected at one end to the carriers and movably connected at their opposite ends to the outer ends of the springs so as to cause the outer ends of the springs to bear downwardly on and be movably relative to the carriers, and radius rods movably connected to the differential casing and to the carriers.

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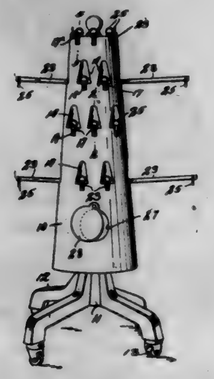
1,564,734. CLOTHES DRIER. JOSEPHINE M. WEILER, Lisbon, N. Dak. Filed May 28, 1925. Serial No. 33,517. 5 Claims. (Cl. 68—34.)



1. A clothes hanger of the character described including a hollow, metallic, upwardly tapering shell having a plurality of circumferentially arranged series of openings, the lower edge of each opening being provided with an inwardly projecting slotted member and the lower margin of each opening being slotted, the slots merging with each other, and arms, one for each opening, slipping longitudinally through said slots, the arms being formed with stops at their opposite ends, the arms when in a projected position engaging against the under face of the corresponding inwardly extending member, the tapering form of the shell permitting an upper series of arms to be disposed in a vertical position inward of a lower series of arms.

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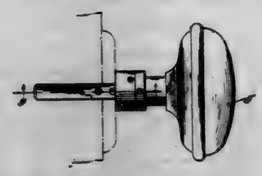
1,564,735. DOORKNOB. MARTIN W. WESSENDORF, Buchanan, Mich. Filed Apr. 27, 1923. Serial No. 634,998. 1 Claim. (Cl. 292—352.)



A knob attaching device comprising in combination with a noncircular shaft having openings passing transversely therethrough, a shank adapted to fit snugly over the shaft and having openings adapted to register with the openings in the shaft, a pin passing transversely through one of the openings in the shaft and having its end portion received in the openings of the shank, the shank being screw threaded exteriorly from one end and to a point between its ends and beyond the openings in the shank, a retaining ring internally threaded and adapted to engage the thread upon the shank and extend over the openings of the shank and with one end edge disposed at the end of the shank and a locking ring internally threaded and engaging the thread of the shank and adapted to engage at its edge against the inner edge of the retaining ring.

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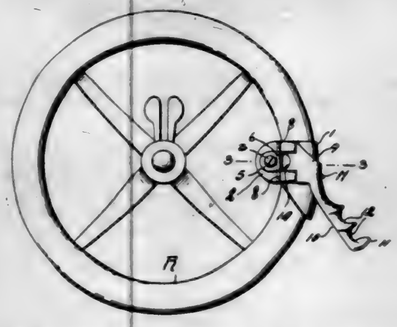
1,564,736. HAND REST. JOSEPH S. WHELAN and ROBERT P. ELLIS STARR, Concordia, Kans. Filed Dec. 23, 1924. Serial No. 757,695. 3 Claims. (Cl. 74—38.)



1. In combination with the rim of a steering wheel, a hand rest attachment comprising a member secured to said rim, a plate, means for pivotally connecting a marginal portion of the plate with the member, said plate when in one position having close contact with the member, and an outwardly inclined arm carried by the plate, said arm being disposed outwardly with respect to the rim when the plate is in contact with the member.

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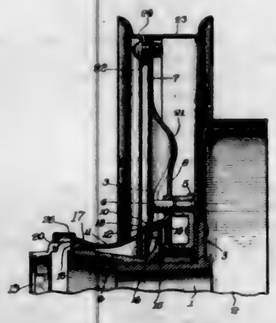
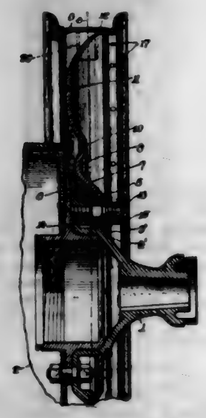
1,564,737. HUB DEMOUNTABLE DISK WHEEL. WILLIAM ERASTUS WILLIAMS, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed June 4, 1920. Serial No. 386,446. 6 Claims. (Cl. 301—63.)



1. The combination with a hub elongated outwardly with respect to the wheel's plane, having projections on which a wheel disk may slide transversely to its own plane but bars relative rotation of disk and hub, and further having a central, peripheral, tapered support for a hub sleeve, of an outwardly tapered hub sleeve fitting over and longitudinally adjustable with respect to said support, a disk having around its central opening a lateral flange overlapping and permanently united with the inner portion of said sleeve, and means for securing the outer end of the sleeve to the hub and forcing it longitudinally into rigid engagement with the tapered support.



1,564,738. DISK WHEEL FOR AUTOMOBILES. WILLIAM ERASTUS WILLIAMS, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Apr. 17, 1922. Serial No. 553,666. 6 Claims. (Cl. 30—63.)



6. A wheel disk having a lateral, inwardly recessed peripheral flange, of a rim seated on said flange and having a projection extending into said recess, said flange and rim projection being fastened together at intervals and provided with interfitting indentations at the fastening points.

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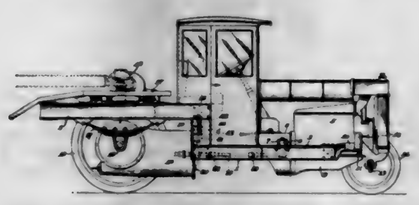
1,564,739. TRACTOR. SIDNEY B. WINN, Lapeer, Mich. Filed Aug. 11, 1924. Serial No. 731,351. 3 Claims. (Cl. 180—85.)



1. Means for increasing the wheel base of a Fordson tractor by separating the front axle assembly from the rear axle assembly at the connection of the transmission housing with the engine block, said means including a rear frame part over the rear axle assembly, a front frame part extending rearwardly from the front axle assembly in a plane below that of the rear frame part, a rigid connection between adjacent ends of said front and rear frame parts, an operative power connection between the tractor engine and the rear axle assembly and yieldable means supportingly disconnected transmission housing relative to said rigid connection.

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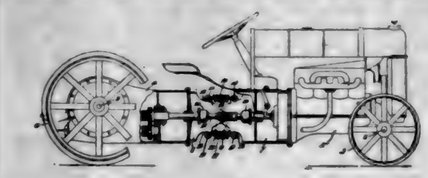
1,564,740. TRACTOR. SIDNEY B. WINN, Lapeer, Mich. Filed Aug. 11, 1924. Serial No. 731,352. 7 Claims. (Cl. 280—106.5.)

1. Means for increasing the length of a comparatively short tractor wherein the transmission housing is separable from the engine block of the tractor, and wherein the front and rear parts of the tractor are to be flexibly connected, said means comprising interposed extensions attached respectively to the transmission housing and engine block, said extensions being coaxially of each other,



and hingedly connected members carried by said extensions and connecting said extensions at opposite sides of the axis of said extensions.

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1,564,741. BATTERY ELECTRODE. FRANCIS J. WOLFE, Fremont, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed May 7, 1923. Serial No. 637,328. 6 Claims. (Cl. 136—115.)

1. An electrode for the described purpose comprising a conductive pulverulent material, a perforated conductive envelope therefor, a permeable septum of nonconducting material between the pulverulent material and the envelope, said septum being impervious to the pulverulent material, and a solid conductor electrically connecting the pulverulent material and envelope.

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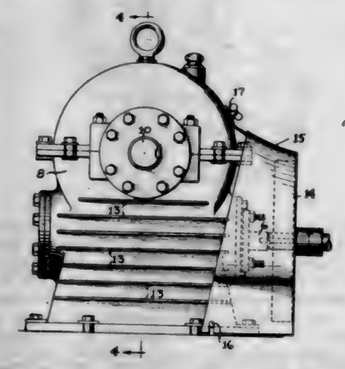
1,564,742. WORM-GEAR REDUCTION UNIT. GEORGE H. ACKER, Cleveland, Ohio, assignor to The Cleveland Worm and Gear Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 22, 1923. Serial No. 669,886. 1 Claim. (Cl. 184—104.)



A worm gear reduction unit comprising a gear case having an oil well, a high speed shaft journaled in said case and carrying a worm operating in the oil well, a lower speed shaft journaled in the case and carrying

a gear cooperating with the worm and an air circulating fan on the extension of the high speed worm shaft outside the casing of greater diameter than the width of the casing to create flow of cooling air over the sides of the casing containing the oil well to thus dissipate heat generated by the gears through direct conduction to the air stream, thereby enabling the gear unit to carry substantially the full load of which it is mechanically capable.

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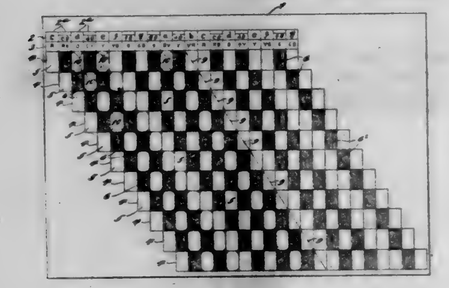
1,564,743. MEANS FOR DETERMINING COLOR COMBINATIONS. HAZEL H. ADLER, New York, N. Y. Filed June 30, 1921. Serial No. 481,607. 14 Claims. (Cl. 88—14.)



1. A color harmony device consisting of a chart having a series of color areas in alinement in spectrum order, such colors constituting a complete harmonic scale, with blank spaces in the positions of the colors of the spectrum not forming part of such harmonic scale.

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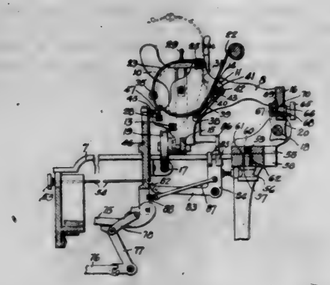
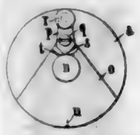
1,564,744. TYPEWRITING-MACHINE-CARRIAGE CONSTRUCTION. JESSE ALEXANDER, Los Angeles, Calif. Filed Dec. 26, 1923. Serial No. 682,677. 9 Claims. (Cl. 197—60.)



1. In a typewriter, a supporting frame, a transversely movable carriage mounted on said frame, a marginal stop on said carriage, a transversely extending support carried by the frame, a marginal stop on the back of said support arranged to be engaged by the marginal stop on the carriage, a flat spring secured at one end on the back of said transverse support, a projecting stop on the yielding portion of said flat spring and normally supported by said spring out of the plane of travel of the marginal stop on the carriage, and a push button engaging the yielding portion of the flat spring to push the same rearwardly and carry the stop thereon into the plane of travel of the marginal stop on the carriage.

1,564,745. SIGHTING DEVICE FOR USE WITH GOLF BALLS. WHEATON LIFFEATT RALEIGH AMESBURY, London, England. Filed Apr. 23, 1923. Serial No. 634,114. 11 Claims. (Cl. 273—35.)



1. A golf indicator comprising a holder adapted to be attached to the sleeve, a gravity indicator supported by said holder and sighting devices on the indicator, whereby as the player swings round during the back or up stroke of his club, said devices come into alignment between his eye and the ball and thus constitutes an indication that the limit of the backward swing has been reached, or that the correct pivoting movement has been performed, or both.

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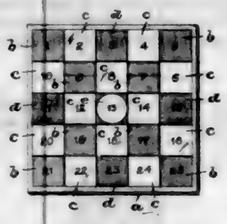
1,564,746. GAME. WALTER GREEN BARNARD, Seattle, Wash., assignor to John D. Cardinell, Montclair, N. J. Filed Dec. 11, 1924. Serial No. 755,165. 6 Claims. (Cl. 273—130.)



1. A game combining with a game-board divided into rows of squares, or the like, of different colors, playing discs also of different colors adapted to be played upon said squares, and cards provided with designations to determine the first play of each player upon said squares.

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1,564,747. SUPPORT AND LOCK DEVICE FOR CURTAIN POLES. EDWARD J. BARRETT, New York, N. Y. Filed Apr. 30, 1923. Serial No. 635,442. 7 Claims. (Cl. 156—22.)

1. A device of the class described comprising a casing, a spring mounted in said casing, and a part on a rod adapted to be passed into said casing and to engage said spring, and retained against accidental displacement from said casing by said spring, said part being provided with an offset portion, and said spring with an aperture into which the offset portion is adapted to pass.



1,564,748. STERILIZING DEVICE. THOMAS C. BARRETT, Hartford, Conn. Filed Mar. 20, 1925. Serial No. 17,056. 5 Claims. (Cl. 179—185.)

1. In a device of the character described, an outer casing, a compressible bulb arranged in the bottom of said casing and adapted to contain a disinfectant, an upper holder arranged above said bulb and communicating therewith, said upper holder being movable to compress said bulb, and an absorbing member arranged in said upper holder.

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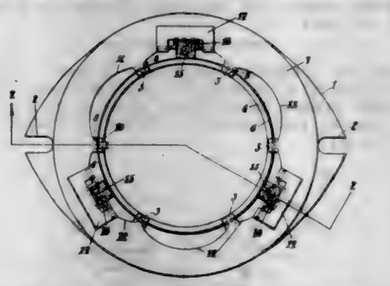
1,564,749. RING TRAVELER AND MOUNTING THEREFOR FOR SPINNING MACHINES. FRANK D. BENNETT, Plainfield, N. J., and WILHO A. KOSKEN, Boston, Mass., assignors, by mesne assignments, to Benjamin Farnham Smith, Concord, Mass. Filed Sept. 21, 1922. Serial No. 589,579. 21 Claims. (Cl. 118—56.)



1. A ring traveler having its mass so distributed as to be in substantial rotational balance while in operation.

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1,564,750. TOWEL CABINET. JOSEPH N. BORROUGHS, Oakland, Calif. Filed July 24, 1922. Serial No. 577,016. 3 Claims. (Cl. 45—82.)

3. A towel cabinet comprising a towel supply roller, an actuating roller, a second actuating roller, gears carried by each of said actuating rollers, an idler gear meshing with both of said gears, a control gear meshing with said idler gear, means whereby said control gear may be stopped after it has made one complete revolution, said means consisting of a trigger, a lip carried on the upper end thereof, a stop bar carried by said control gear and adapted to engage said lip on each complete rotation of the control gear and means whereby said lip may be moved out of engagement with said bar so as to permit of the rotation of the control gear.

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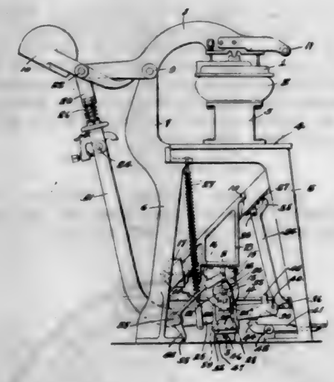
1,564,751. POWER GARMENT AND LAUNDRY PRESSING MACHINE. PHILIP N. BRAUN, Syracuse, N. Y., assignor, by mesne assignments, to Liberty National Bank, trustee. Filed Mar. 13, 1923. Serial No. 624,834. 21 Claims. (Cl. 68—9.)



1. In a pressing machine, a pair of cooperating pressing elements, one of which is movable toward and from the other and manually movable part way toward the other, a constantly moving driving member, motion transmitting means connected to the movable element, a driven member for co-acting with the constantly moving driving member, one of said members being shiftable into and out of connection with the other and being normally out of connection therewith and means controlled by the part way closing movement of the movable element for shifting the shiftable member into engagement with the other member while the driving member is in motion.

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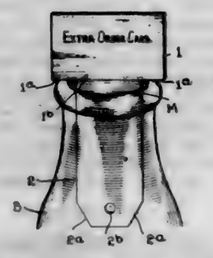
1,564,752. ORDER CARD. EARL A. BROWN, North Woodside, Md. Filed Sept. 19, 1925. Serial No. 57,396. 3 Claims. (Cl. 40—4.)




1. A T-shaped order-card consisting of a lower portion forming the stem of the T of less width and greater surface area than the head of the T, the lower portion of the card being adapted to extend within a container and being of less width than the mouth of the container,

the head of the card forming shoulders overhanging the lower portion, the card resting on said shoulders and being adapted to span and project beyond both sides of the orifice in the container.

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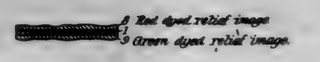
1,564,753. REVERSAL PROCESS. JOHN G. CAPSTAFF, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 14, 1923. Serial No. 674,772. 11 Claims. (Cl. 95—88.)




1. In a process of making a photographic image by reversal in a light sensitive element containing a silver image and a complementary image of sensitive silver salts, the steps of submitting the element to a bath that converts the silver image into a different insensitive image without rendering the sensitive salts insensitive, exposing the element to light and developing the affected sensitive salts to a silver image.

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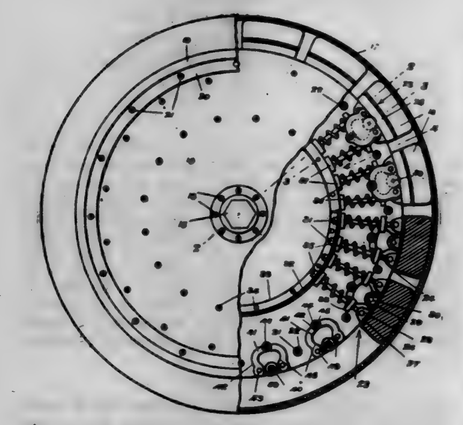
1,564,754. RESILIENT WHEEL. WILLIAM ALVA CARNS, Dunn Center, N. Dak. Filed Jan. 19, 1925. Serial No. 3,868. 2 Claims. (Cl. 152—29.)



1. A wheel comprising a body, a tire composed of segments, rods slidable in the body and pivotally connected with the segments near the ends of the segments, spring means associated with said rods for moving the segments outwardly, and interengaging members carried by the body and segments between the ends of the segments to limit the longitudinal movement of the segments relatively to the body, said members of the body having portions curved about the corresponding pivots between the rods and segments and along which the members of the segments are movable when the segments swing inwardly about said pivots.

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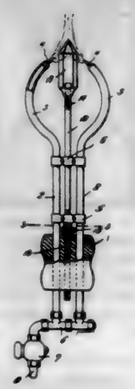
1,564,755. COMBINATION BLOWTORCH, SOLDERING AND BRANDING IRON. THOMAS RAYMOND CLARK, Chicago, Ill. Filed Feb. 13, 1925. Serial No. 9,023. 4 Claims. (Cl. 158—14.)

3. In a device of the class described, a handle of heat insulating material, a pair of parallel spaced pipes extending through the handle, a supply pipe extending transversely of the adjacent ends of said pipes, a valve in said supply pipe, a nipple on said valve whereby the same may be attached to a flexible hose leading from a fuel supply source, the other ends of first pipes being curved arcuately and having jets in their terminals directed so that flames shooting therefrom will cross each



other, a spindle slidable through the handle, a clamp between the first mentioned pipes, said spindle passing through said clamp, a nut threaded on the spindle between the handle and the clamp, the end of said spindle adjacent the jets being threaded for receiving an iron head.

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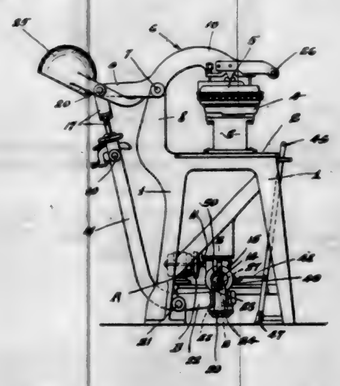
1,564,756. PRESSING MACHINE. ALBERT B. CLISSON, Geddes, N. Y., assignor, by mesne assignments, to Liberty National Bank, trustee, Syracuse, N. Y. Filed Nov. 27, 1923. Serial No. 677,251. 7 Claims. (Cl. 68—9.)



1. In a pressing machine, the combination of coacting pressing elements having relative movement one toward and from the other, and being movable manually preliminarily toward closed position, power means for actuating the movable element, motion transmitting means between the power means and the movable element, comprising an intermittently movable cam, a member with which said cam coacts, the cam being arranged to hold said member in its operative position assumed when pressure is being applied to the movable element, said member being provided with a follower for engaging the cam and being movable into position to engage the cam by the movement of said member effected by



the preliminary closing movement of the movable element, manual means for controlling the actuation of the cam, and means for moving the follower out of engagement with the cam.

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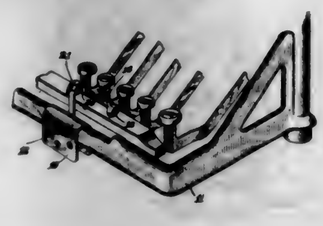
1,564,757. ATTACHMENT FOR TYPEWRITERS. EDWIN M. COOPER, San Francisco, Calif. Filed Dec. 30, 1922. Serial No. 609,980. 9 Claims. (Cl. 197—98.)



1. The combination with the frame and spacer bar of a typewriter, of an attachment for operating the spacer bar, comprising a clamp removably mounted on the frame; a lever having one arm pivoted on said clamp and having the other arm extending from the first-mentioned arm and arranged to operate the spacer bar; and an operating key mounted at the junction between said arms.

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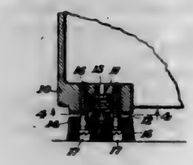
1,564,758. TYPEWRITING-MACHINE-CUSHIONING FOOT. MANSFIELD C. CRAWLEY, Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed July 25, 1922. Serial No. 577,863. 3 Claims. (Cl. 45—137.)



1. In a typewriting machine, in combination, a main frame having a downwardly facing recess therein and a plurality of vertical threaded passages adjacent said recess, a plurality of vertically disposed screws having their upper ends screwed into said threaded passages, a rubber supporting foot having vertical passages through which the shanks of the screws extend and recesses in its lower face in which the heads of the screws are housed, said recesses being substantially deeper than the thickness of the screw heads and the upper walls of the recesses forming cushion abutments adapted to be engaged by the screw heads to limit upward movement of the frame relatively to the foot, a metal cap attached to the upper end of the foot having a central projection in register with the recess in said frame and apertures adjacent said projection through which the screw shanks extend, and an upright coiled spring having its upper end seated in the recess in the frame and its lower end seated on the cap and surrounding the projection and normally supporting the frame above the cap with the heads of the screws above the bottom of the foot.

1,564,759. NURSING BOTTLE. FRANK J. CREQUER, Cuyahoga Falls, Ohio. Filed Apr. 8, 1924. Serial No. 704,979. 5 Claims. (Cl. 215—11.)

1. A nursing bottle provided with a neck having a vent in the wall thereof and a flexible sleeve arranged within the neck of the bottle over said vent and forming a valve for said vent.

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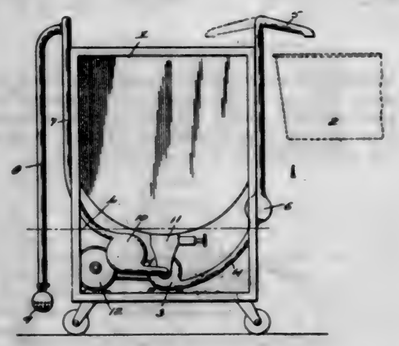
1,564,760. CLOTHES-WASHING MACHINE. LEON E. CULVER, Butte, Mont. Filed Aug. 27, 1924. Serial No. 734,450. 2 Claims. (Cl. 68—37.)



1. A clothes washing apparatus comprising a tub, a valved drain device at the bottom thereof, a centrifugal pump located beneath said drain device and in communication with the latter, a suction pipe leading to said pump, a hose carried by said suction pipe, a nozzle on the free end of said hose, a discharge pipe leading from said pump and to the top of said tub, and a second nozzle rotatably mounted on the upper end of said discharge pipe.

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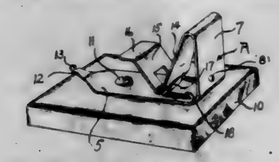
1,564,761. TERMINAL CLIP. WALTER W. DAIKER, Brooklyn, N. Y. Filed June 19, 1922. Serial No. 569,443. 4 Claims. (Cl. 173—259.)

1. A fastening device for electrical conductors formed of a single piece of flat resilient metallic ribbon comprising a base strip adapted to be secured to a base plate, an upstanding guide arm formed on the base

plate having a guide opening therein for receiving the conductor, a depending inwardly inclined resilient arm, having a tongue struck out from the lower end thereof formed on the upper end of the guide arm said



tongue adapted to frictionally engage the upper surface of the base strip for firmly forcing an electric conductor in engagement with the base strip, and a finger piece formed on said arm.

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1,564,762. ARCH BRICK. GUY CARLETON DENNEY, Hinsdale, Ill., assignor to American Arch Company, a Corporation of Delaware. Filed June 21, 1921. Serial No. 479,237. 10 Claims. (Cl. 110—87.)

1. An arch brick having on one end a convex face and a hollow face adapted to make multiple line contact, respectively, with correlatively corresponding hollow and convex faces on one end of another brick in various reciprocally leaning angular relations of such bricks on various spans.

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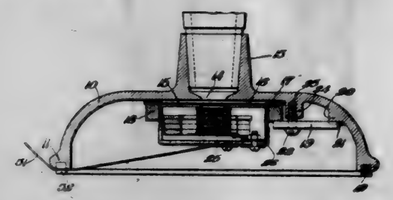
1,564,763. LOUD SPEAKER. VERNON DURBIN, Newton, Mass., assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass., a Corporation of Massachusetts. Filed Oct. 20, 1924. Serial No. 744,542. 4 Claims. (Cl. 179—179.)



1. A loud speaker having, in combination, a bell provided with a lip at the bottom, a receiver supported on the bell having a magnet and diaphragm and provided with an adjusting arm for adjusting the position of the magnet with relation to the diaphragm, such arm extending out under the edge of the bell, and stops for engaging the arm to prevent it from being moved excessively either in the direction to limitedly adjust the magnet toward the diaphragm or in the opposite direction.

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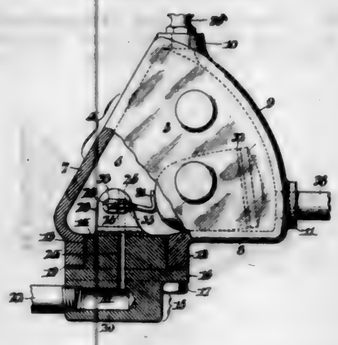
1,564,764. FLOAT VALVE. ARTHUR R. BARNSHAW, Wynnewood, Pa. Filed Jan. 4, 1924. Serial No. 684,329. 5 Claims. (Cl. 137—103.)

1. A float valve embodying a casing having a pair of convergent walls with provision for a supply connection, one of said walls being apertured, an insert closure for said aperture having an axial duct affording communication between an outlet cavity and a relatively small port, a cut-off shutter rockable on an extension of the closure and controlling said discharge port, said



shutter being transversely grooved whereby frictional resistance to movement is reduced to a minimum, and a float secured to the cut-off pivot pin, said closure, cut-off and float, being removable as a connected unit.

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1,564,765. PROCESS OF REMOVING PYRIDINE FROM NITROCELLULOSIC MATERIALS. LEON W. EBERLIN, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 11, 1925. Serial No. 8,575. 7 Claims. (Cl. 260—148.)

3. The process of removing pyridine from solid colloidized nitrocellulose containing the same, which comprises treating the said nitrocellulose with a chlorinating agent in the presence of a mixture of water and a penetrant until the pyridine is substantially decomposed, removing the nitrocelluose from the mixture and treating the same with an anti-chlor solution until any free chlorine is neutralized.

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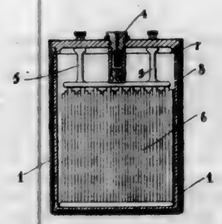
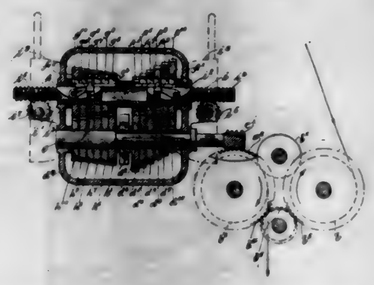
1,564,766. CONTAINER FOR CORROSIVE LIQUIDS. KENNETH ESSEX EDGEWORTH, London, England. Filed Aug. 11, 1924. Serial No. 731,510. 3 Claims. (Cl. 136—166.)



1. A container for corrosive liquids, comprising a member formed of ebonite or like acid-resisting rigid material in which the filling aperture is formed, a soft and flexible rubber bag, a vulcanized joint between the mouth of the bag and said member, and a casing of rigid material which is not necessarily resistant to the corrosive action of the liquid enclosing the bag and rigidly connected with the member furnished with the filling aperture.



1,564,767. VARIABLE-SPEED GEARING. CARL EGGART, Arbon, Switzerland, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland, a Corporation of Switzerland. Filed Oct. 7, 1922. Serial No. 592,950. 1 Claim. (Cl. 74—59.)



The combination of a shaft operatively connected with mechanism to be driven, a sleeve mounted to rotate freely on said shaft, means for rotating said sleeve, a series of differential gears fast on said sleeve, a hollow shaft parallel with the first mentioned shaft, a second series of differential gears loosely mounted on said hollow shaft, each in mesh with a gear of the first series of differential gears, means for operatively connecting one or another of said gears to the hollow shaft, a third series of differential gears loosely mounted on the hollow shaft, means for operatively connecting one or another of said third series of differential gears with the hollow shaft, and a fourth series of differential gears fast on the first mentioned shaft each in mesh with a gear of said third series of differential gears, the means for operatively connecting gears of the second series with the hollow shaft being independent of the means for operatively connecting gears of the second series with said hollow shaft, and an enclosing housing having bearings for said shafts adapted to hold the several sets of differential gears against endwise movement.

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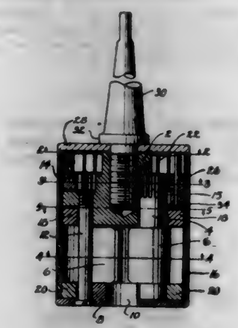
1,564,768. CHUCK. GEORGE W. EMRICK, Brooklyn, N. Y., assignor to Eastern Tube and Tool Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 29, 1920, Serial No. 433,755. Renewed Oct. 29, 1925. 13 Claims. (Cl. 279—33.)



1. A chuck having in combination a head, a rotary tool clamping member, a shaft journaled in said head upon which said tool clamping member is mounted and a freely rotatable bearing ring engaging said shaft to take the lateral thrust thereof produced by the clamping of a tool.

1,564,769. DISTANCE-MEASURING DEVICE. OTTO EPPENSTEIN, Jena, Germany, assignor to Firm of Carl Zeiss, Jena, Germany. Filed May 22, 1924. Serial No. 715,229. 4 Claims. (Cl. 88—2.7.)

1. In a device for measuring distances and adjusting the same two telescopes, each containing an objective and an entrance reflector system deflecting the optical axis by about 90°, a separating prism system common to both telescopes and located behind the objectives, an ocular disposed behind the separating prism system, the separating prism system being adapted to transmit of each of the two ray pencil systems entering the two telescopes a part to the ocular, a deflecting device adapted to displace at least one of the two images, produced by the two objectives, parallelly to the plane containing the axes of the two telescopes, a distance scale and an index coacting with this scale, one of these two parts being operatively connected with the said deflecting device, a mark lying outside the image plane of the said ocular, an optical system disposed behind the said objectives and adapted to image the mark in this image plane, and a correcting reflector system, deflecting the traversing rays by about 180°, the correcting reflector system being adapted to be fixed before the telemeter and the entrance apertures of this system having about the same distance apart as the entrance apertures of the two telescopes.

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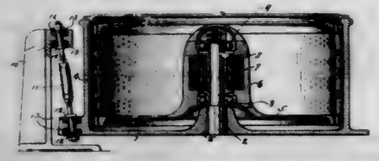
1,564,770. EXTRACTOR. HAROLD G. EYNON, Philadelphia, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 30, 1923. Serial No. 635,483. 3 Claims. (Cl. 210—72.)



1. An electrically driven extractor comprising in combination, a tub, a balancing stand for supporting the tub, a shaft extending vertically of the tub and lying wholly within the confines thereof, a basket within said tub provided with a central housing, said housing cooperating with said shaft to support the basket, and an electric motor for driving the basket lying within said housing.

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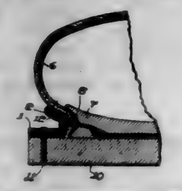
1,564,771. WELT FOR BOOTS AND SHOES. JOSEPH E. FALLON, Boston, Mass. Filed May 17, 1924. Serial No. 713,940. 8 Claims. (Cl. 36—78.)



1. As an article of manufacture, a welt for use in making boots and shoes, comprising a main body portion for attachment of the outsole, an inseam portion for the attachment of the upper and insole, and a flexible hinge of less thickness than the main body portion extending

longitudinally of the welt between the body portion and the inseam portion which enables the welt to be bent longitudinally with the longitudinal edge of the inseam portion presenting a bead or cord-like finish above the main body portion of the welt.

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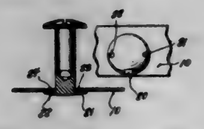
1,564,772. POST FASTENING FOR LOOSE-LEAF BINDERS. EMIL H. FISCHER, Milwaukee, Wis., assignor to H. C. Miller Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 12, 1922. Serial No. 606,407. 6 Claims. (Cl. 129—21.)



1. In a loose leaf metallic binder, a binder strip having a coupling post extending upwardly therethrough with the head of the post in engagement with said strip, the post being formed with a circumferential kerf adjacent the head, the material of the strip being stamped into said kerf, and means for preventing rotary movement of the post with respect to the strip.

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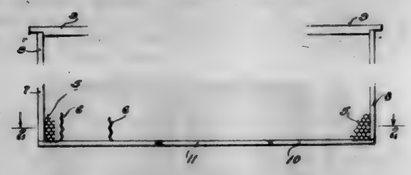
1,564,773. BEEHIVE FRAME. GEORGE GORDON FRATER, Watertown, Wis., assignor to G. B. Lewis Company, Watertown, Wis., a Corporation of Wisconsin. Filed Aug. 4, 1922. Serial No. 579,641. 1 Claim. (Cl. 6—10.)



A device of the character described, comprising a frame including top, bottom and side bars, the bottom bar having a slot cut therein throughout the inside length of the frame and a foundation suspended from the top bar with its lower end hanging freely in the bottom bar slot, whereby expansion of the foundation is accommodated.

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1,564,774. COMPOSITE MATERIAL FOR GEARS AND THE LIKE. LOUIS T. FREDERICK, Valparaiso, Ind., assignor to Fibroc Insulation Company, Valparaiso, Ind., a Corporation of Indiana. Filed Jan. 26, 1924. Serial No. 688,865. 2 Claims. (Cl. 154—50.)

1. A self-lubricating laminated composite material of high mechanical strength and free from fusible constituents comprising woven fabric arranged in layers and impregnated with a phenolic condensation product capable of hardening under heat and pressure, and graphite incorporated in said material, and constituting not to exceed 5 per cent of the total weight of the material.

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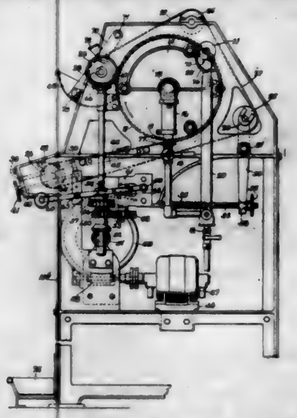
1,564,775. DRYING MACHINE. CHARLES A. GREEN and HAROLD J. BRUNK, Chicago, Ill., assignors to The C. F. Pease Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 11, 1923. Serial No. 611,940. 26 Claims. (Cl. 34—4.)

7. In a drying machine, a drum, means for heating the same, a plurality of rollers, a belt passing over the latter and around said drum, one of said rollers being mounted below and forwardly of said drum, the feed run of said belt extending from said last named roller to the drum along an upwardly inclined plane, means for



adjusting said roller, and a stationary rod associated with said roller over which the material to be dried is dragged in its passage to said belt.

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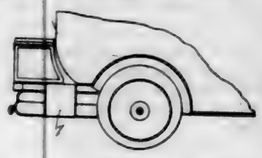
1,564,776. COMBINED LUGGAGE AND TIRE CARRIER. WALTER R. GREEN, Chicago, Ill. Filed Nov. 1, 1923. Serial No. 672,054. 2 Claims. (Cl. 224—29.)



1. In a vehicle having a chassis comprising side rails, a platform having rigid side members connected to said rails and a transverse bar also connected to said rails, a pair of brackets depending from said side members, a pair of spaced transverse members connected to said brackets, a pair of spaced transverse members connected to said side members, two sets of oppositely directed tire retaining brackets secured to said transverse members, one set of tire retaining brackets being swingable for the insertion and removing of ties.

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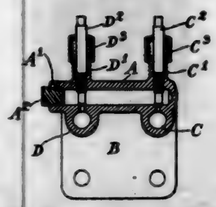
1,564,777. MANIFOLD. MELVIN SOLOMON GROH, Toronto, Ontario, Canada, assignor to Joseph Mercadante, New York, N. Y. Filed Dec. 24, 1924. Serial No. 757,964. 1 Claim. (Cl. 277—50.)



In a manifold, a cross channel permanently closed at one end, and having its other end adapted to open or close independently of the needle valves hereinafter mentioned; an intake line substantially at right angles



to said cross channel and connected to said cross channel by a substantially smaller connecting channel, said connecting channel being adapted to be opened or closed by a needle valve, and a delivery line substantially at right angles to said cross channel and connected to said cross channel by a substantially smaller connecting channel, said connecting channel being adapted to be opened or closed by a needle valve; said intake line and said delivery line each being adapted to circulate their contents independently when their respective needle valves are closed with relation to the cross channel.

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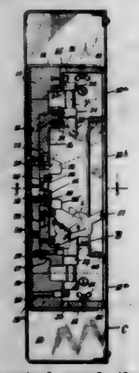
1,564,778. MULTIUNIT PANEL. BENJAMIN GROSS and ROBERT A. GOELLER, New York, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Feb. 23, 1921. Serial No. 447,280. 21 Claims. (Cl. 247—10.)



1. In an electric control panel, the combination of a subbase, a bus-bar supported thereon, a switch base detachably mounted on the base over the bus-bar, said bases having interfitting parts for preventing relative movement between them, spaced steps rising from each of the bases at adjacent ends, and fuse-supporting means on the steps.

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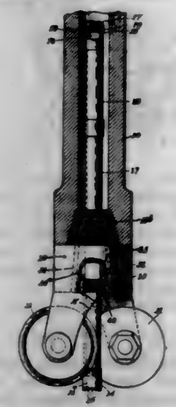
1,564,779. DEVICE FOR TAKING CORE SAMPLES IN ROTARY DRILLING. HARDY H. HAIR, Newport Beach, Calif., assignor to Floyd G. White, trustee, Los Angeles, Calif. Filed Feb. 27, 1922. Serial No. 539,392. 1 Claim. (Cl. 255—71.)



In combination with a rotary drilling bit, split longitudinally, and having a central vertical passage, a core taking barrel clamped between the bit halves in the vertical passage, the passage having a plurality of spaced recesses and the barrel having a projection adapted to register with any one of the recesses to hold the barrel at different heights in the bit.

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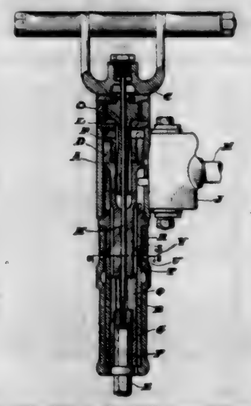
1,564,780. DUSTLESS ROCK DRILL. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 12, 1924. Serial No. 749,874. 2 Claims. (Cl. 121—6.)



1. A fluid actuated rock drill comprising a cylinder, a hammer piston having a reduced forward cylindrical extension to reciprocate within the cylinder, a front head having an internal annular groove near its rearward end and a plurality of holes extending from the groove through the wall of the front head whereby said groove may communicate with the atmosphere, a front cylinder washer having a hollow bore to receive the forward extension of the hammer piston arranged within the front head, said washer having rearward and forward extensions extending within the cylinder and front head respectively, and an internal annular recess in its forward extension, and a plurality of radial grooves in the forward face of the forward extension communicating with the said internal recess and with the annular groove in the front head to permit the exhaust of leakage motive fluid to atmosphere through the side of the front head.

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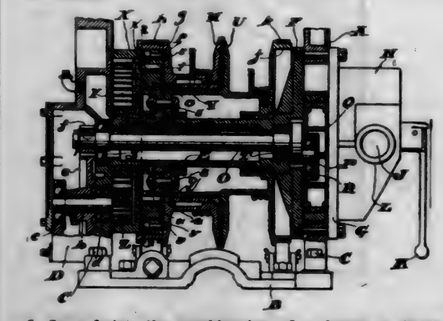
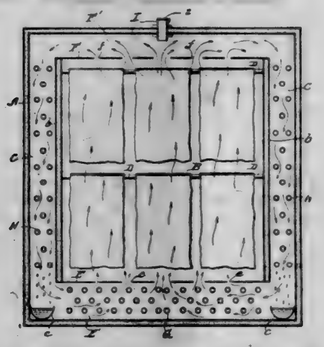
1,564,781. DOUBLE-DRUM HOIST. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 7, 1925. Serial No. 48,758. 9 Claims. (Cl. 254—185.)



1. In a hoist, the combination of a frame, a driving shaft supported by the frame, a reversible motor for rotating the driving shaft, a pair of drums rotatable about the driving shaft, drum drivers carried by the

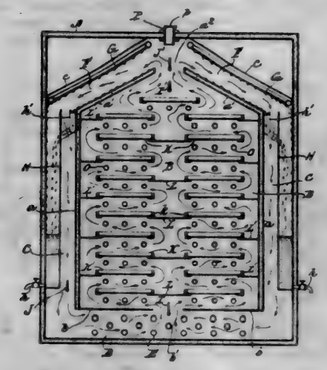
drums, a main driver connected to be rotated by the driving shaft, and means rotatable in the main driver for frictionally engaging one or the other of said drum drivers in accordance with the direction of rotation of the main driver.

1,564,782. METHOD OF AND APPARATUS FOR DRYING. GORDON DON HARRIS, Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn., a Corporation of Connecticut. Filed May 6, 1921. Serial No. 467,492. 17 Claims. (Cl. 34—3.)



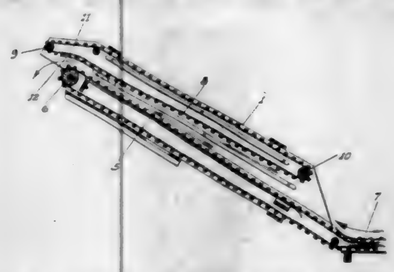
16. In the art of drying, the process which consists in expanding the atmosphere present within a closed circulatory path by heating such atmosphere until the pressure within said path exceeds the outside atmospheric air, venting said circulatory path and permitting the heated atmosphere to escape therefrom for reducing the pressure of such atmosphere within the closed path below the pressure of the outside atmospheric air, thereby attaining an attenuated or rarefied drying atmosphere within said path, and alternately chilling and heating the atmosphere within said closed path for setting up a circulation therein to the exclusion of outside atmospheric air.

1,564,783. METHOD OF AND APPARATUS FOR DRYING INCLUDING SOLVENT RECOVERY. GORDON DON HARRIS, Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn., a Corporation of Connecticut. Filed May 6, 1921. Serial No. 467,493. 9 Claims. (Cl. 34—3.)



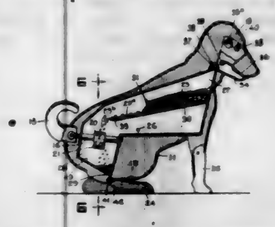
8. In a drier, a housing provided with a material containing chamber forming part of a circulatory path within which is established an attenuated atmosphere and from which path outside atmospheric air is excluded, said chamber being provided in the top thereof with a substantially central outlet, a plurality of flues leading from said outlet and establishing paths for the downflow of separate currents of the attenuated atmosphere flowing through said outlet from said chamber, a plurality of condensers positioned within said flues and adjacent to said outlet from the chamber, heating means positioned within the circulatory path adjacent to the inlet at the bottom portion of the chamber, and boosters positioned within the chamber intermediate the inlet at the bottom and the outlet at the top of said chamber.

1,564,784. OVERSHOT DRAPER FOR HEADERS. GEORGE H. HARRIS, Stockton, Calif. Filed June 5, 1923. Serial No. 643,562. 2 Claims. (Cl. 198—162.)



1. In a harvester a draper arranged to convey the grain as cut from the header to the feed house of the harvester, an auxiliary draper positioned above and in spaced relation to the main draper and extending a certain distance beyond the upper end of the same, and means for causing the overshot portion of the auxiliary draper to have a permanent downward deflection towards its front end and for preventing the same from approaching the main draper beyond a predetermined limit.

1,564,785. ANIMATED TOY. WILLIAM W. HARRIS, New York, N. Y., assignor to Mawhinney Last Co., Brockton, Mass., a Corporation of Massachusetts. Filed Mar. 12, 1925. Serial No. 15,012. 20 Claims. (Cl. 46—40.)



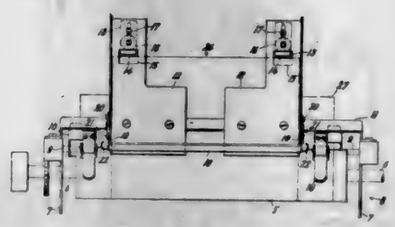
11. The combination of a hollow body representing a figure, a member movably carried by said body and representing an articulated member of the figure, comminuted material enclosed within said hollow body, means providing for restricted gravitation of said comminuted material and means disposed in the path of gravitation of said comminuted material and operated thereby for moving said articulated member.

1,564,786. COMPOSITION FOR CLEANING AND POLISHING SILVER. CATHERINE M. HEMEN, Seattle, Wash. Filed Nov. 9, 1921, Serial No. 514,018. Renewed Oct. 24, 1925. 1 Claim. (Cl. 87—5.)

A cleansing and lacquer forming composition, consisting of four pounds of Spanish castile soap, one-half pound of oxalic acid, three-fourths pound of bicarbonate of soda, one quart of vegetable oil, nine gallons of water, and sufficient Paris white of extremely fine grade to substantially absorb the liquid content of the mass.

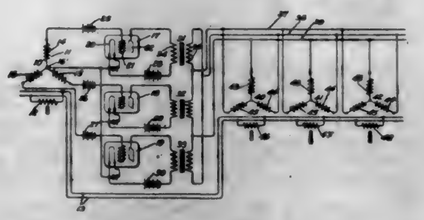


1,564,787. TYPEWRITING MACHINE. JULIAN S. HEXTER, Chicago, Ill., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 1, 1923. Serial No. 622,010. 12 Claims. (Cl. 197—127.)



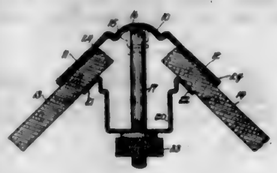
1. In a typewriting machine, the combination with a platen, of a front paper-table above the platen having openings in the upper portion thereof, L-shaped gage-members, each comprising a leg extending downward along the rear of the paper-table to one of said openings, and a forwardly-extending leg projecting through the opening with its sides in engagement with the sides of the opening, and means above the openings for securing the downwardly-extending legs of the gage-members in adjusted positions upon the back of the paper-table.

1,564,788. SYSTEM FOR THE TRANSMISSION OF ANGULAR MOTION. LEE HILDEBRAND, Cliftondale, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 16, 1922. Serial No. 568,878. 9 Claims. (Cl. 172—293.)



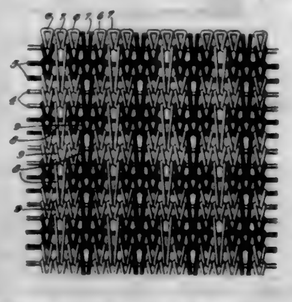
1. A system for the transmission of angular motion comprising electrical transmitting and receiving devices provided with moving elements, said devices having electromotive forces varying in accordance with the angular positions of their moving elements, and means responsive to the electromotive forces of both of said devices for supplying operating energy to said receiving device so as to cause said receiving device to reproduce the movement of said transmitting device.

1,564,789. STORE-FRONT CONSTRUCTION. FRED HIMMEL and ISIDORE HIMMEL, New Haven, Conn. Filed May 12, 1925. Serial No. 29,736. 2 Claims. (Cl. 189—78.)



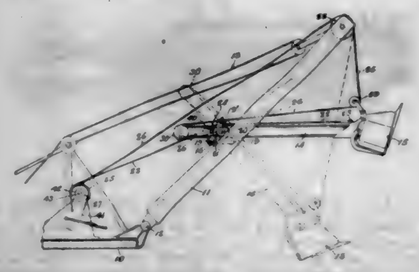
1. A store-front construction, comprising an outer strip formed with inwardly-extending spaced sockets, and bolts having ends turned at right angles and entered into said sockets.

1,564,790. KNITTED STOCKING. RALPH HINCHLIFF, Rockford, Ill., assignor to Burson Knitting Company, Rockford, Ill., a Corporation of Illinois. Filed Sept. 28, 1922. Serial No. 591,088. 3 Claims. (Cl. 66—4.)



1. A knitted stocking comprising wales of plain stitches disposed in alternation with wales of alternate plain and draw stitches, said knitting being done with two yarns of different colors in such order that the two yarns appear in alternation on the face of the fabric in the plain stitch wales and one yarn appears continuously in wales of alternate plain and draw stitches.

1,564,791. ROPE-THRUSTING SHOVEL. ROGER SHERMAN HOAR, South Milwaukee, Wis., assignor to Bucyrus Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 3, 1923. Serial No. 616,688. 10 Claims. (Cl. 214—135.)



1. In a power shovel, the combination of a support, a dipper and dipper handle mounted thereon for swinging and shifting movements, a dipper hoisting cable hav-

ing a portion associated with said dipper handle at a fixed point thereof, to shift said handle, said portion extending substantially the entire length of said dipper handle in all its positions and being arranged to swing with said dipper handle about the pivotal axis thereof as a center and means for controlling such shifting movement.

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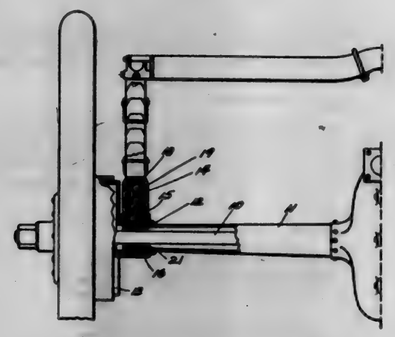
1,546,792. SPRING SUPPORT FOR MOTOR VEHICLES. WILLIAM F. HUDSON, Philadelphia, Pa. Filed Apr. 30, 1921. Serial No. 465,767. 2 Claims. (Cl. 180—88.)



1. In a construction of the character stated a relatively light rear axle including an automobile wheel and its complemental brake-head, an anti-friction bearing arranged immediately adjacent said brake-head and in which bearing said axle is rotatable, a relatively light housing for said axle, an elongated sleeve extended from said break-head and secured to said axle housing said sleeve extending well over said antifriction bearing in concentric relation therewith, a spring support secured to said brake-head sleeve immediately adjacent said brake-head, and a side spring connected to said support so as to be positioned substantially above said bearing and in immediately juxtaposed relation with said wheel.

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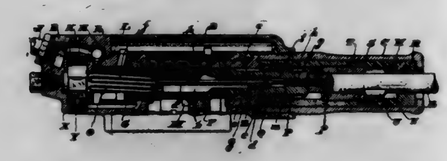
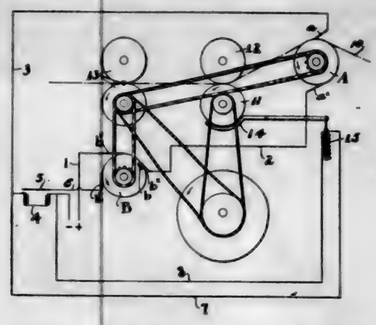
1,564,793. WATER-TUBE GUIDE. GEORGE W. HULSHIZER, Stewartsville, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 30, 1924. Serial No. 740,700. 2 Claims. (Cl. 121—6.)



1. In a fluid actuated rock drill, the combination of a cylinder with a back head, a water tube secured at one end within the back head and extending through the piston, a guide fitted into the piston to reciprocate therewith and embracing the water tube to prevent vibration of said tube, said guide having perforations throughout its length for admitting pressure fluid to a drill steel when the piston nears the end of its forward stroke.

1,564,794. FEEDING DEVICE FOR WEBS OF PAPER AND OTHER MATERIAL. HARRY HUMPHREYS, Ballamona, Davenport, England, assignor to Union Bag & Paper Corporation, New York, N. Y., a Corporation of New Jersey. Filed Dec. 4, 1923. Serial No. 678,533. 12 Claims. (Cl. 271—2.6.)



1. A method for the purposes and of the kind described comprising retarding or increasing the relative rate of feed or delivery of the material according to whether a perforation in the material arrives early or late in respect to a predetermined normal moment of arrival at a stationary detector or detectors and in respect to the arrival at a certain point of a moving element removed from the material and timed constantly to arrive at that point in synchronism with the operations of the severing or other device.

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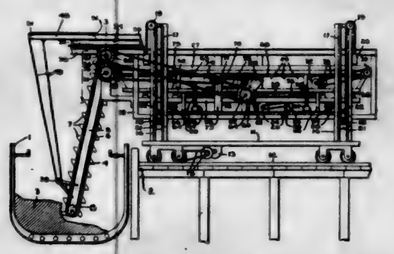
1,564,795. APPARATUS FOR UNLOADING SHIPS. THOMAS LEVASSEUR, Old Town, Me. Filed May 1, 1924. Serial No. 710,859. 9 Claims. (Cl. 198—88.)



1. In a ship unloading device, the combination with a carriage, of an elevator mounted thereon and adapted to elevate material from the hold of a vessel, a conveyer to take material from the elevator, said elevator being turnable about a vertical axis, and means to shift the position of a conveyer thereby to place it properly to receive material from the elevator in any position of the latter.

4. In a device of the class described, the combination with a supporting frame, of a turntable thereon, an elevator depending from the turntable and adapted to elevate material from the hold of a vessel, a conveyer onto which the elevator discharges, and means operated by the movement of the turntable to shift the position of the conveyer.

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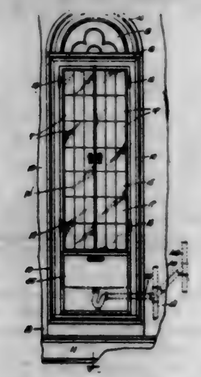
1,564,796. FOLDING RECEPTACLE. JACOB L. SHROYER, Oak Park, Ill., assignor of one-half to Charles O. Hard, Scotia, N. Y. Filed Nov. 19, 1923. Serial No. 675,647. 2 Claims. (Cl. 4—168.)

1. A device of the character described comprising a cabinet divided into three vertically consecutive minor



cabinets; a bowl located in the intermediate cabinet and arranged to swing outwardly therefrom; a pair of



swinging doors to close the two upper cabinets and a sliding door to close the lower cabinet movable to open position when the swinging doors are open.

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1,564,797. WATERPROOF INSULATING COVERING. JUNIUS H. STONE, Port Washington, N. Y. Filed Apr. 13, 1922. Serial No. 552,211. 6 Claims. (Cl. 106—18.)

1. A plastic composition adapted to form a lagging for refrigerating pipes and the like comprising six to twenty-four parts granulated cork, one to four parts loose fibre, and one to four parts rubber dissolved in a solvent.

6. A plastic composition adapted to form a lagging for refrigerating pipes and the like comprising six to twenty-four parts granulated cork, one to four parts loose hair and one to four parts rubber dissolved in benzol.

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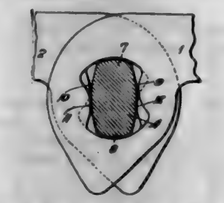
1,564,798. POWER-TRANSMISSION CHAIN. HAROLD E. STURTEVANT, Hartford, Conn., assignor to The Whitney Mfg. Co., Hartford, Conn., a Corporation of Connecticut. Filed Feb. 28, 1924. Serial No. 694,530. 14 Claims. (Cl. 74—32.)



1. In a chain of the silent link type, a joint between adjacent pitches comprising a pin having an oblong cross section, with convex sides, the openings of the links being symmetrical and having walls engaging the sides of said pin and forming rolling contacts therewith.

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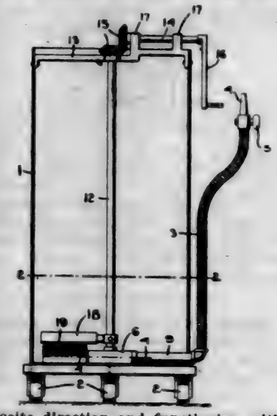
1,564,799. DISPENSING APPARATUS. ROY A. THORNTON, North Weymouth, Mass. Filed Sept. 13, 1924. Serial No. 737,551. 5 Claims. (Cl. 103—83.)

1. In a dispensing apparatus for dispensing semi-solid material, the combination with a container, of a delivery pipe through which the material is dispensed, a gear pump in the container for feeding material to the delivery pipe, said pump having an inlet adjacent the bottom of the container, a deflector plate secured to the bottom adjacent said inlet, and a rotatable blade movable in a plane immediately above the deflector plate, said rotatable blade having its front face inclined in a direction to force material downwardly toward the deflector plate, and the deflector plate being inclined



in the opposite direction and functioning with the movable blade to maintain a supply of material at the pump inlet.

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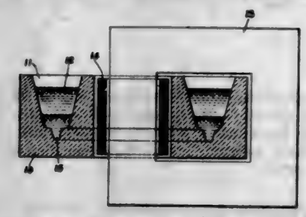
1,564,800. ELECTRIC FURNACE. MAGNUS UNGER, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Mar. 12, 1924. Serial No. 698,806. 5 Claims. (Cl. 204—64.)



1. An electric furnace comprising a crucible providing a relatively wide channel in which the charge is heated by current passed therethrough, said channel including a relatively deep narrow groove at the bottom for increasing the hydrostatic head of molten metal.

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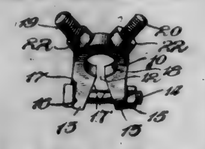
1,564,801. FOUNTAIN PEN. JOHN J. VANDERE, Cleveland, Ohio. Filed Mar. 18, 1925. Serial No. 16,386. 7 Claims. (Cl. 120—46.)

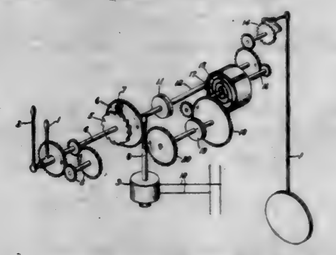
1. A fountain pen comprising a barrel, a pen, an ink reservoir removably arranged in the barrel, a filling bulb fixed to the reservoir and removable therewith, and means for holding the bulb and reservoir in fixed relation to the barrel.

1,564,802. END-SCREW TERMINAL. HERBERT E. WALKER, Chicago, Ill. Filed Mar. 19, 1923. Serial No. 626,951. 1 Claim. (Cl. 173—259.)



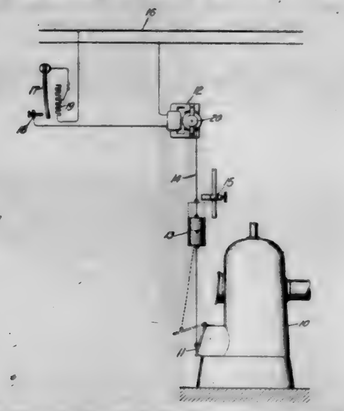
An end connector screw terminal for storage battery posts comprising a body having means to detachably fit it to a battery post and to connect it in current carrying engagement with said post, and a plurality of outstanding terminal plug lugs permanently spaced and integral with said body and of different diameters and having standard external screw threads adapted to standard, internally threaded terminal plugs.

1,564,803. CLOCK. HENRY E. WARREN, Ashland, Mass., assignor to Warren Clock Company, Ashland, Mass., a Corporation of Maine. Filed Jan. 13, 1923. Serial No. 612,487. 11 Claims. (Cl. 58—26.)



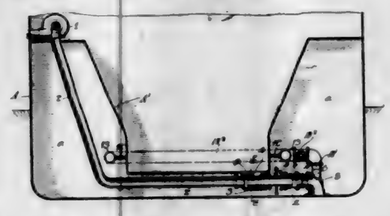
1. In combination, a time indicator, a pair of motors connected to directly operate said indicator, one of said motors being electrical, and means whereby said electric motor is caused to store potential energy for operating said other motor.

1,564,804. TEMPERATURE-CONTROL DEVICE. HENRY E. WARREN, Ashland, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 10, 1925. Serial No. 23,690. 7 Claims. (Cl. 236—68.)



1. In combination a heater, means for regulating said heater, a motor for operating said regulator, a thermostat for controlling said motor and an auxiliary heating element in close proximity to said thermostat and controlled thereby for modifying its controlling function.

1,564,805. HYDRAULIC CONVEYER ADAPTED FOR UNLOADING SHIPS. CHARLES C. WEST, Manitowoc, Wis., assignor to Manitowoc Ship Building Corporation, Manitowoc, Wis., a Corporation of Wisconsin. Filed May 6, 1921. Serial No. 467,871. 4 Claims. (Cl. 302—14.)

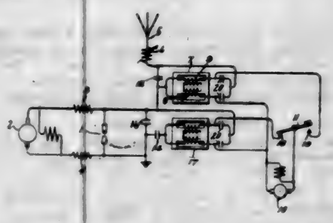


1. In a cargo carrying ship, the combination of the hull of the ship, a hopper therein forming the cargo space of the ship, a conveyer adapted for discharging sand and other granular material contained in said hopper, comprising a fitting which communicates with said hopper, a pump, a conveyer pipe which connects said fitting with said pump, a sea-cock installed in the hold of the ship below the water line under all conditions of loading, valve controlled pipe connections from said sea-cock to said fitting, comprising a pipe section supported so as to be movable endwise in position to register with the admission end of the conveyer pipe, said pipe section and conveyer pipe being provided with opposed valve seats adapted for engagement and disengagement by endwise movement of said pipe section to cut off or establish communication between said pipe section and fitting and forming means, when said valve seats are in contact, for connecting the conveyer pipe with the sea-cock, providing priming means for the pump, and pipe connections adapted for flushing the hopper to render the granular contents thereof fluid.

1,564,806. LIP STENCIL. SAMUEL WIEDER, New Kensington, Pa. Filed Jan. 24, 1925. Serial No. 4,469. 5 Claims. (Cl. 132—1.)

1. A lip stencil comprising a bendable plate having finger-holds thereon, and a lip-shaped stencil edge on the plate.

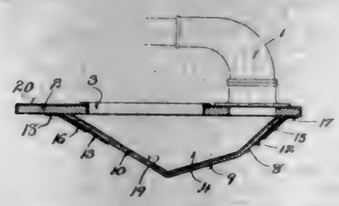
1,564,807. RADIO SIGNALING SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 4, 1918. Serial No. 232,589. 29 Claims. (Cl. 250—19.)



1. The combination in a radio signaling system of an antenna circuit supplied by a source of continuous radio frequency current and a control system associated with said antenna circuit, said control system comprising an inductance which is variable by magnetic saturation and means for varying the inductance to produce a substantial change in the effective resistance of the control system and at the same time maintain its resultant reaction substantially constant.

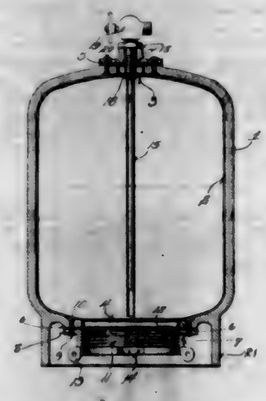


1,564,808. PHONOGRAPH-CASE CONSTRUCTION. DONALD T. ALLEN, Milwaukee, Wis., assignor to Prime Mfg. Co., Milwaukee, Wis. Filed Aug. 29, 1925. Serial No. 53,354. 2 Claims. (Cl. 274—2.)



2. In a phonograph, the combination of a top, a sound arm opening downwardly therethrough, said top having a delivery opening, a sound box positioned below said top, and connecting said tone arm and said delivery opening, said sound box having a pair of flat sides provided with angular bottom edges, a bottom secured to said angular bottom edges and sharply bent at the ends of each of said edges, fabric strips glued to said sides and having inwardly turned projecting ends overlapping said bottom, end strips glued to said bottom and overlapping the said inwardly turned ends, each of said strips having outwardly projecting flaps glued to the under side of the said top, said sound box having one of the angular faces of its bottom positioned directly below said tone arm.

1,564,809. CARBONATED-MILK TANK. JOSEPH E. AMEND, Appleton, Wis. Filed Sept. 12, 1924. Serial No. 737,842. 2 Claims. (Cl. 220—63.)

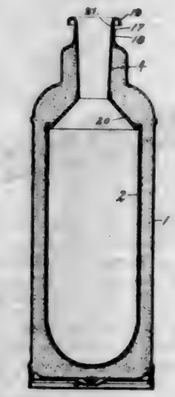


1. A device for handling carbonated milk comprising a tank having a relatively large bottom opening adapted to permit the ready cleaning of the interior of said tank and the entrance of an operator's hand, a block tin lining completely covering the interior of said tank and projecting through said opening and folded outwardly over the portions of said tank adjacent the margins of said opening, an internally threaded collar having a flange in contact with the folded portion of said block tin, rivets passing through said flange and the adjacent portion of said tank and having their inner heads located within the tank and counter-sunk and covered by the block tin lining within the tank, a relatively large threaded plug removably screwed into said collar, and a block tin lining for the upper face of said plug.

1,564,810. METHOD OF MAKING HANDMADE MISSION-ROOF TILES. REDUCINDO F. ANGULO, Santa Barbara, Calif. Filed Mar. 4, 1922. Serial No. 541,192. 1 Claim. (Cl. 25—22.)

The method of producing a hand-made ancient appearing roof tile which consists in molding a slab of plastic clay upon a sheet supported by a surface, moving said slab and sheet from said surface to a pallet having a curved back, molding said slab to the back of the pallet by means of the hand to form a plastic tile, supporting the edges of the plastic tile and removing the pallet preparatory to drying and burning the tile.

1,564,811. HEAT-INSULATED RECEPTACLE. GEORGE C. ANTHON, New York, N. Y., assignor to Stanley Insulating Company, Great Barrington, Mass., a Corporation of Maine. Filed Aug. 11, 1919. Serial No. 316,829. 4 Claims. (Cl. 220—10.)

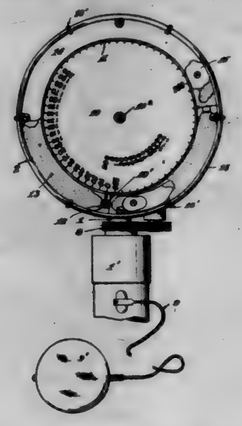


2. A heat insulated receptacle comprising an outer shell having a bead at the mouth thereof, a shoulder in the neck portion below said bead and an annular enlargement beneath said shoulder, an inner shell and a neck-piece connecting the inner and outer shells and seated in the annular enlargement aforesaid.

1,564,812. GOLF MACHINE AND ATTACHMENT THEREFOR. GEORGE D. BABCOCK, Peoria, Ill. Filed Sept. 18, 1922. Serial No. 588,995. 22 Claims. (Cl. 235—22.)

1. A machine for the purposes named including, in combination, a scaled chart reproducing in miniature the ground layout of an outdoor game course including a representation of the physical characteristics of ground surface of said course, or part thereof, and an indicator or pointer therefor, mechanism adapted for imparting move-

ment to one of the described parts with respect to the other, a captive ball tethered to said mechanism adapted in flight to impart movement to the movable part and



speed reducing gearing included in said mechanism arranged whereby the actual distance of travel of a ball upon the course is indicated at said chart in accordance with the scale upon which the latter is produced.

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1,564,813. STOKER GRATE. ARTHUR O. BABENDREIER, Baltimore, Md., assignor to Patterson Hand Stoker Corporation, a Corporation of Maryland. Filed Nov. 15, 1922. Serial No. 601,032. 3 Claims. (Cl. 110—38.)

1. In a furnace grate, the combination with a series of reciprocating stoker-bars arranged in rows with the rear edge of each bar except the rearmost bar normally held from dropping downwardly by resting upon and having sliding contact on the front upper surface of the next bar at its rear, of means for reciprocating each stoker bar with respect to the bar next at its rear which supports it and means at the forward portion of each stoker-bar for limiting the downward tilting movement of the rear end of the same bar and to hold said rear end up sufficiently in case it is withdrawn from the support of the bar next at the rear to enable said rear end of the front bar to clear the front edge of the bar at its rear when making a rearward stroke.

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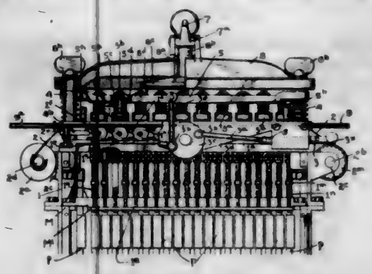
1,564,814. RECORDING MECHANISM FOR VOTING AND THE LIKE MACHINES. JOHN S. BAKER, Los Angeles, Calif. Filed Apr. 14, 1924. Serial No. 706,396. 24 Claims. (Cl. 235—50.)

1. For voting machines and the like having a plurality of members adapted to be individually actuated once for each vote registered in the machine for the respective candidates; a recording mechanism comprising a frame adapted to be mounted upon said machine; a counter for each of said members having type wheels, said counters being arranged in rows; means whereby every actuation of a member will cause its related counter to register one unit; an inking ribbon for the counters in each row; means for positioning a record sheet above the inking ribbons; a plunger frame reciprocably mounted opposite said inking means; means for normally holding said plunger frame in retracted position; a plurality of plungers mounted on said plunger frame, one



plunger opposite each counter; and means for moving said plunger frame to cause said plungers to press said record sheet against said counters to take impressions therefrom.

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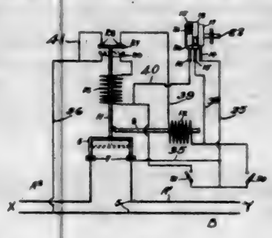
1,564,815. TIME SWITCH FOR ELECTRIC CIRCUITS. ARTHUR BARRY BALLANCE, Kogarah West, near Sydney, and WILLIAM THOMAS ANDERSON, Sans Souci, near Sydney, New South Wales, Australia. Filed Dec. 16, 1922. Serial No. 607,439. 10 Claims. (Cl. 161—1.)



1. In a time switch, means for operating the switch comprising an electro-magnetic device, a member adapted to be withdrawn by said device to open the switch, means for holding said member in the withdrawn position comprising a detent adapted to be operated mechanically in one direction and magnetically in the reverse direction, mechanically operated timing means for controlling the action of the electro-magnetic device, and means for operating the switch independently of the timing means.

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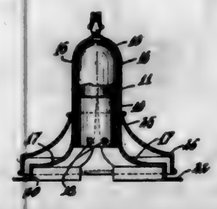
1,564,816. SHADE HOLDER FOR ELECTRIC-LIGHT FIXTURES. JACOB B. BANDER, New York, N. Y. Filed Oct. 8, 1924. Serial No. 742,284. 4 Claims. (Cl. 240—133.)



1. In combination an inner member forming a covering adapted to fit on an electric light socket, a pair of shade gripping members pivoted each at an individual pair of oppositely disposed alined points to the lower end of the inner member, and a shell engaging the shade



gripping members and retaining them in the shade gripping position, said shade gripping members comprising portions normally covering the top of the inner member and outwardly flared lower portions.

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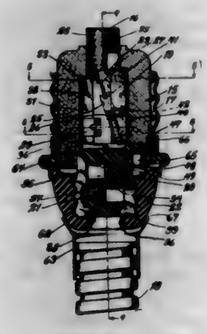
1,564,817. ATTACHMENT PLUG. REUBEN B. BENJAMIN, Chicago, and CHESTER E. WARNER, Berwyn, Ill., assignors to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 10, 1920. Serial No. 380,108. 6 Claims. (Cl. 200—51.)



5. A switch plug comprising an insulating base, a shell contact mounted thereon, a center contact member mounted thereon to slide longitudinally thereof, and a switch mechanism for controlling the plug circuit comprising a switch blade located substantially within said shell contact and oscillatable back and forth, a spring shiftable back and forth past a dead center to cause quick action of the switch blade, and a spring shifting member operated by said slidable contact member.

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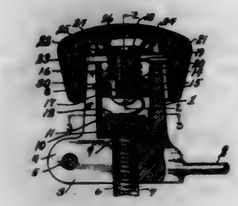
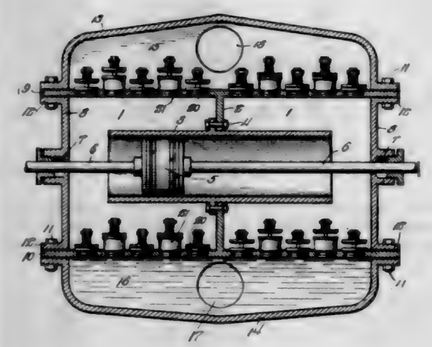
1,564,818. SWITCH. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 1, 1923. Serial No. 672,060. 13 Claims. (Cl. 200—159.)



1. In a switch, a socket having a contact at the base thereof, a sub-assembly designed to be removably inserted in said socket, a cap shaped tiltable push button surmounting said assembly, said assembly comprising connecting members, a post for supporting said push button, and a contact at its inner end for engagement with said contact at the base of said socket.

1,564,819. PUMP. WILLIAM T. BIRCH, Chicago, Ill. Filed May 12, 1924. Serial No. 712,611. 3 Claims. (Cl. 103—175.)



1. A pump having a common valve deck, and a plurality of valves alternately discharging in the same direction at different levels above the valve deck.

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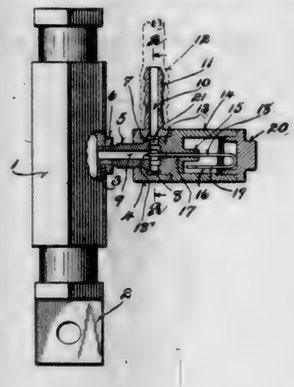
1,564,820. AUTOMATIC LUBRICATOR FOR AIR TOOLS. ARTHUR N. BLANCHARD, Milwaukee, Wis. Filed Nov. 24, 1924. Serial No. 751,956. 5 Claims. (Cl. 184—18.)



1. The combination of an air tool, a supply pipe therefor, and a lubricating device having a body portion connected with said supply pipe and having a projecting tubular member swivelly joined to said body portion and rigidly joined to said air tool, said device having a reservoir for the lubricant and having capillary means for feeding such lubricant into the air stream.

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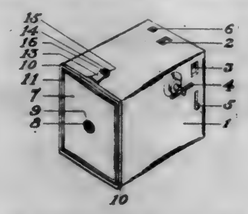
1,564,821. BOX CAMERA. CARL BORNMANN, Binghamton, N. Y., assignor, by mesne assignments, to Ansco Photoproducts, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 31, 1922. Serial No. 598,140. 1 Claim. (Cl. 95—11.)

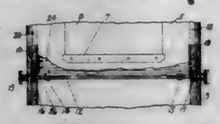
In combination with a camera, a box, a one piece removable back for said box including flanges for embrac-

ing the edges of said box, a light excluding rib formed adjacent each edge of said back, resilient securing fingers formed integral with said back, each finger being pro-



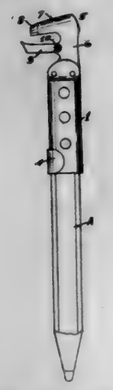

vided with an opening and an upturned end for easy manipulation, and means on said box engaging in said opening whereby said back is securely held on said box.

1,564,822. RISING FRONT FOR CAMERAS. CARL BORNMANN, Binghamton, N. Y., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Filed May 23, 1925. Serial No. 32,432. 5 Claims. (Cl. 95—51.)



1. A rising front for cameras comprising a slidable member, a shaft carried thereby provided with pinions, stationary racks with which said pinions engage whereby said member may be raised or lowered, and means on said member for locking the same in adjusted position.

1,564,823. RACE CUTTER. JOHN BRADEN, Rices Landing, Pa. Filed Feb. 26, 1925. Serial No. 11,842. 1 Claim. (Cl. 145—1.)



In combination, a race cutter comprising an elongated hollow body portion constituting a clamp member adapted to be attached to the end of a pencil, the forward side of the said body portion formed with a longitudinally extending open slot to set up a resilient clamping action to rigidly secure the said body portion to the end of the pencil, the inner end of one side of said body portion provided with an ear overlapping said open slot and engaging the opposed side of said body portion for augmenting said clamping action, a blade consisting of a horizontally disposed portion and a vertically disposed portion, the latter having its lower end fixed to the outer end of said body portion, said horizontally disposed portion inclined downwardly toward its forward end and substantially U-shaped in transverse cross section, the forward end of said horizontally disposed portion provided with a U-shaped cutting edge, and a shield member pivotally connected to said vertical blade portion and shiftable to cover said cutting edge, substantially as described and for the purpose set forth.

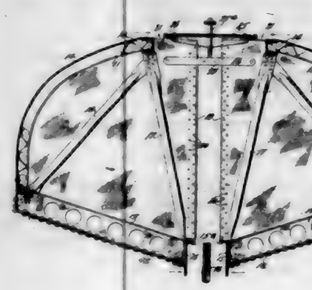
1,564,824. PROCESS FOR VULCANIZING RUBBER AND PRODUCTS OBTAINED THEREBY. SIDNEY M. CADWELL, Leonia, N. J., assignor to The Naugatuck Chemical Company, a Corporation of Connecticut. Filed May 15, 1922. Serial No. 561,022. 32 Claims. (Cl. 18—53.)

1. A process for vulcanizing rubber which comprises combining a vulcanizing agent with rubber and a thioaldehyde, and vulcanizing the rubber.

1,564,825. PROCESS FOR VULCANIZING RUBBER AND PRODUCTS OBTAINED THEREBY. SIDNEY M. CADWELL, Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Connecticut. Original application filed May 15, 1922, Serial No. 561,022. Divided and this application filed Aug. 6, 1925. Serial No. 48,664. 14 Claims. (Cl. 18—53.)

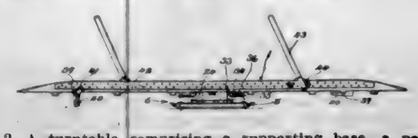
1. A process for vulcanizing rubber which comprises combining a vulcanizing agent with rubber and an arylated thioaldehyde, and vulcanizing the rubber.

1,564,826. FLOAT STRUCTURE. ROLAND CHILTON and FRANK A. HAYES, Keyport, N. J., assignors to Aeromarine Plane & Motor Company, Inc., a Corporation of New York. Filed Mar. 16, 1925. Serial No. 15,985. 21 Claims. (Cl. 244—2.)



1. In a float, deck plates on either side of central longitudinal openings, a hollow keelson including two side members, floor plates and beams secured to respective keelson sides, means for securing the keelson sides together and means for covering the deck openings.

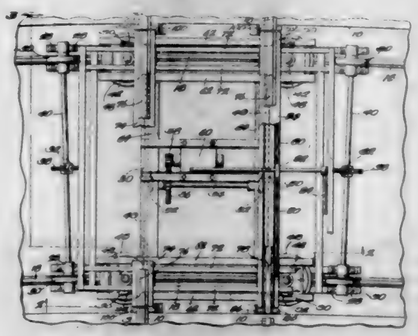
1,564,827. TURNTABLE. JAMES SPEAKMAN CLAY, Racine, Wis., assignor to Freeman Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed Aug. 7, 1925. Serial No. 48,729. 5 Claims. (Cl. 104—44.)



2. A turntable comprising a supporting base, a pair of transverse beams positioned above said base, rotatable means interposed between said beams and base for permitting relative turning motion of said beams with reference to said base, a pair of longitudinally extending runways for the reception of the wheels of a truck, yielding means for normally supporting said runways out of contact with said transverse beams, and friction latches carried by said runways and adapted to yieldingly retain said runways in a tilted position.

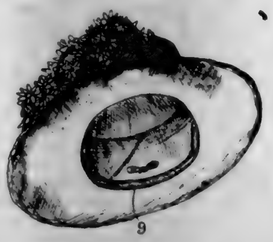


1,564,828. DROP-PIT MECHANISM FOR UNWHEELING LOCOMOTIVES. OSCAR L. COFFEY, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed Jan. 10, 1925. Serial No. 1,518. 7 Claims. (Cl. 104—32.)



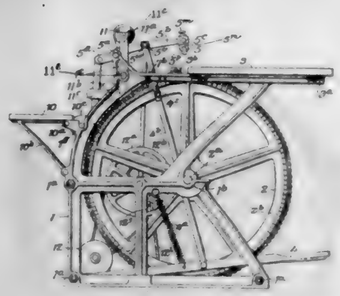
1. In mechanism of the class described, in combination with means passing a wheeled vehicle over the ground, and a pit below it, having a multiplicity of separated wheel tables each equipped with means detachably latching it across said pit, a track in the bottom of the pit passing under said tables, a trolley travelable along said trck, table elevating means on and reciprocal vertically above the trolley, movable between a position where it engages and lifts a table which it may be under, high enough so its latching mechanism may be released, and a position low enough so that the trolley with said table and a wheel load thereon may move along said track under one or more other such wheel tables.

1,564,829. DETACHABLE HAT PAD. LEON COHEN, St. Louis, Mo., assignor to De Leon Bandeaux Co., St. Louis, Mo., a Corporation of Missouri. Filed May 28, 1923. Serial No. 641,864. 9 Claims. (Cl. 2—183.)



1. A detachable hat pad comprising a flexible spring metal strip, prongs carried thereby and projecting from the outer surface of said strip, a body of relatively thick fibrous material placed against the inner face of said metallic strip, and a body of fabric passed around said metal strip and said body of fibrous material, and the edges of the fabric united together by stitching and having the prongs extended therethrough.

1,564,830. ADDRESSING MACHINE. PAUL FLEMMING COX, Chicago, Ill. Filed Jan. 19, 1925. Serial No. 3,403. 26 Claims. (Cl. 101—62.)

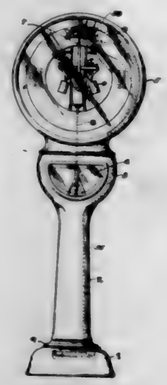


1. In an addressing machine a frame having open bearings for a rotatable galley; and a rotatable galley carrying a peripheral series of address slugs removably journaled in said bearings and bodily removable from and replaceable in the said bearings.

20. In a machine as set forth galley advancing means comprising ratchets on said galley each having a tooth opposite each address slug; a pivoted member having its outer end overlying said ratchet teeth; a stud on said member adjacent its lower end; a link pivoted on the frame and having a recess for the reception of said stud, and a spring in said recess engaging said stud for normally urging the member into contact with said teeth; whereby each actuation of the arm will operate said member to advance the drum one ratchet tooth.

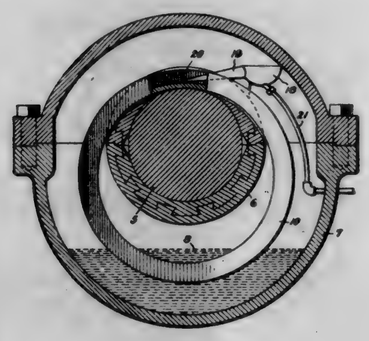
24. In a machine as set forth a platen comprising a block having a slot, a platen strip in said slot; opposed slidable wedges interposed between said strip and the base of said slot; and means for adjusting the wedges to adjust the contact strip.

1,564,831. ADVERTISING SCALE. SAMUEL G. CRANE, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Nov. 21, 1919. Serial No. 339,683. 4 Claims. (Cl. 40—52.)



1. In a device of the class described, in combination, weighing mechanism, a platform independently relatively movable with respect to said weighing mechanism, an advertising device, and electric means actuated by such movement of said platform to operate said device.

1,564,832. LUBRICATION OF BEARINGS. DUNCAN DANA, Marblehead, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 20, 1922. Serial No. 576,369. 3 Claims. (Cl. 308—128.)



2. The combination with a shaft and a bearing having a groove, and an oil ring which runs on the shaft in said groove and conveys oil directly to the bearing for lubricating it, of a chamber located above the bearing, means for directing excess oil from the ring to said chamber, and a conduit for conveying oil from said chamber to other parts to be lubricated, whereby the excess oil carried up by the ring may be utilized for lubricating purposes.

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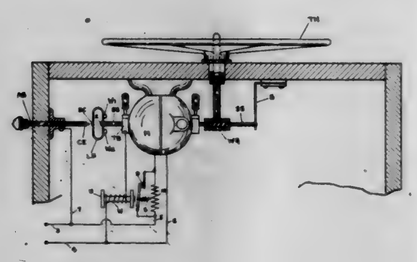
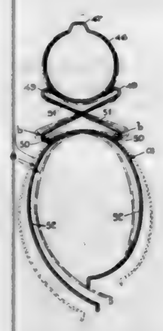
1,564,833. PHONOGRAPH-CONTROLLING MECHANISM. WILLIAM W. DEAN, Lowell, Mass., assignor to The Efficiency Electric Corporation, New York, N. Y., a Corporation of New York. Original application filed June 20, 1919, Serial No. 305,527. Divided and this application filed Feb. 25, 1922. Serial No. 539,323. 5 Claims. (Cl. 200—80.)



1. In an electric governing switch for controlling the speed of an electric motor, a pair of speed controlling switch contacts, a motor shaft carried loop reed spring carrying one of the said contacts substantially in line with the axis of rotation of the motor shaft, said spring being secured at a single point in said axial line and weight members secured to said loop spring in alignment with said shaft center, said one contact being movable outwardly from beyond the shaft end upon an increase of shaft rotational speed, the other contact being stationary and adapted to be engaged by said one contact.

1,564,834. SPRING CLAMP MECHANISM. FRANCIS J. DOWLING, New York, N. Y. Filed Nov. 30, 1923. Serial No. 677,623. 8 Claims. (Cl. 24—81.)



1. The herein described clamp mechanism comprising a pair of clamps located end to end and in substantially the same plane, each clamp having arms at the sides thereof, the diagonally opposite arms of both clamps consisting of unitary structures movable relatively to each other and crossing each other so that when either clamp is compressed the other is opened, said structures having extending portions between the clamps comprising loops crossing each other.

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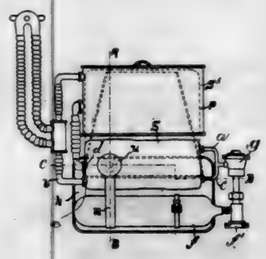
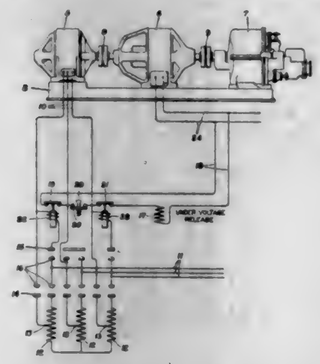
1,564,835. SELF-CONTAINED LUNG-POWER BREATHING DEVICE. ALEXANDER BERNHARD DRÄGER, Lubeck, Germany. Filed Aug. 30, 1923. Serial No. 660,250. 5 Claims. (Cl. 128—191.)



1. In a self-contained lung-power breathing device of the kind described, the combination of a breathing bag, an oxygen self-closing stop valve mounted directly in said breathing bag, controlling mechanism mounted directly in said breathing bag for controlling said stop valve, an air release valve carried by said bag for permitting the escape of surplus air from said breathing bag and a stationary stop on said device located in the path of said release valve with which the latter is brought into engagement as the inflation of the breathing bag exceeds a predetermined degree and the air release valve is thereby automatically opened to relieve said excess inflation.



1,564,836. CONTROL SYSTEM FOR THREE-UNIT TURBINE EXCITER SETS. ELDRIDGE G. DUDLEY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 10, 1923. Serial No. 674,066. 5 Claims. (Cl. 290—7.)



1. The combination with a three unit exciter set comprising a motor, a generator and a prime mover, of means for disconnecting the motor from a supply source of electric energy when the generator voltage falls below a certain subnormal value.

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1,564,837. HOSE CLAMP. JOHAN AUGUST EDEBORG, Eskilstuna, Sweden. Filed Apr. 20, 1923. Serial No. 633,396. 7 Claims. (Cl. 24—19.)

5. In a hose clamp the combination of a buckle comprising a link and a lever journalled at one end of said link, a flexible metal band having means at one end for attaching the band to one arm of said lever and having a hook at the other end for attachment to said link, a number of distance pieces movable in said link and adapted to be interposed in different numbers between said link and said hook on said band, said lever having a slot, a knob rotatably secured to said band and adapted to project through said slot and to be turned across the same, said knob having at least one recess in its under face, and a spring secured to said lever alongside of said slot in the same and adapted to engage said recess in said knob.

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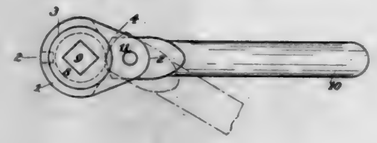
1,564,838. RATCHET WRENCH. CARL L. ERICSON, Longmeadow, and WILLIAM ROBERTS, Springfield, Mass.; said Ericson assignor to American Saw and Manufacturing Company, Springfield, Mass., a Corporation of Massachusetts. Filed Sept. 18, 1924. Serial No. 738,429. 5 Claims. (Cl. 81—58.)

1. As an improved article of manufacture, a ratchet wrench comprising a perforated head provided with lugs which are spaced apart, the perforation or opening in said head and the space between said lugs being in communication, a work-holder rotatable in said opening, means between the outer parallel surfaces of said head and work-holder to retain the latter in said opening, and a handle having a cam-surface and pivotally connected adjacent to said cam-surface with said lugs, with said



cam-surface in operative position relative to said work-holder, the center of the arc of said cam-surface being back of the axis of the handle pivot toward the free end of the handle, and the distance between said axis and either end of said arc being sufficient to cause said cam-surface to grip and carry with it said work-holder, when said handle is swung in either direction.

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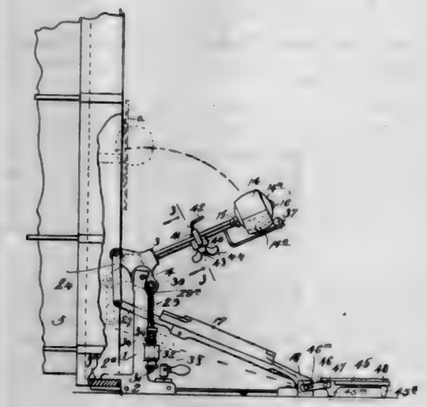
1,564,839. DRUM AND CYMBAL APPARATUS. WILLIAM CHARLES L. EVANS, New York, N. Y. Filed June 14, 1923. Serial No. 645,257. 9 Claims. (Cl. 84—422.)



1. An apparatus of the class described comprising a base having a standard, a beater member pivotally carried by the standard, a pedal, means operatively connecting the pedal with said member, a foldable extension pivotally connected at one end with the base and pivotally connected at its outer end with the pedal, said extension having an intermediate hinge between the base and the pedal whereby the extension may fold between the pedal and the standard when the pedal extends along the latter.

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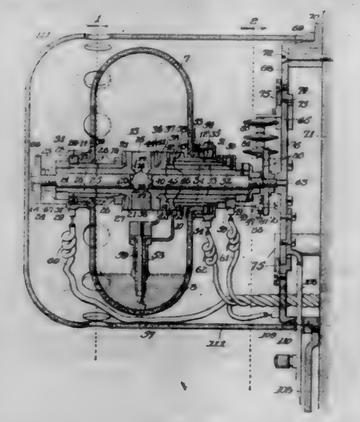
1,564,840. ELECTRICAL CONTACT. GUY S. FABER, Chicago, Ill. Filed Mar. 28, 1924. Serial No. 702,573. 12 Claims. (Cl. 200—152.)

1. In a contact-making-and-breaking device, the combination of a rock-member, a glass receptacle having an opening therein and provided at said opening with an

outwardly extending boss, a flowable mass of current-conducting material in said receptacle, a rock-member extending into said boss, means hermetically sealing the



joint between said boss and rock-member, and a contact device on, and movable with, said rock-member into and out of engagement with said mass.

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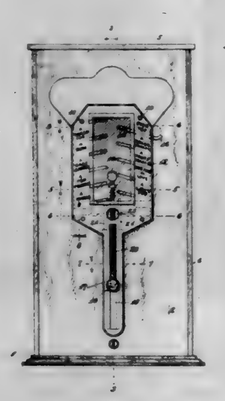
1,564,841. AMUSEMENT DEVICE. CHARLES FLEISCHER, Brooklyn, N. Y. Filed Feb. 19, 1925. Serial No. 10,394. 6 Claims. (Cl. 273—95.)



1. An amusement device, comprising a casing having a plurality of lateral coin outlets, and a movable member adapted to balance a coin and move it between said series of outlets to a desired station.

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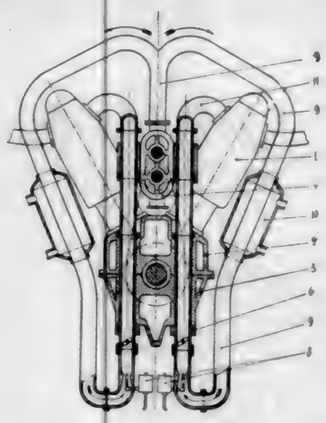
1,564,842. SUPERFEED SYSTEM FOR INTERNAL-COMBUSTION ENGINES. GUIDO FORNACA, Turin, Italy. Filed Dec. 18, 1924. Serial No. 756,763. 3 Claims. (Cl. 123—55.)

1. An internal combustion engine of the V-type, comprising a crank-case formed of separate superposed parts, cylinders mounted on the crank-case, fuel supply-pipes constituting connecting means for said crank-case parts



communicating with the cylinders and extending through the crank case, and means on the pipes for clamping the parts of the crank-case together.

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1,564,843. STACKING MACHINE. MORRIS M. FULTON, Chicago, Ill., assignor to Jefferson Electric Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 15, 1924. Serial No. 737,958. 26 Claims. (Cl. 29—84.)

1. In a machine of the class described, the combination of means for supporting a stack of core pieces, means for supporting a coil adjacent said stack and means for moving the core pieces successively from said stack into assembled position in the coil.

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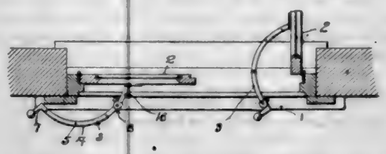
1,564,844. SASH ADJUSTER AND FASTENER. JOHN D. GARDNER, Phoenix, Ariz. Filed Aug. 6, 1923. Serial No. 656,083. 1 Claim. (Cl. 292—341.)



In a device of the character described an arcuate and relatively flat metal arm having suitably spaced openings therein, a sash attaching flange integral with one end thereof, a handle on the inner end of the arm, the flange being connected to a sash so that the arm and



handle thereof lie to one side of the main frame when the sash is closed, a combined guide and fastener on the sill of the frame, including a channeled keeper for slidably receiving the arm, a laterally disposed and upright lug integral with one side thereof, a catch in the form of a finger piece the reduced inner end of which is pivoted to the lug, a stud depending from the inner face of the finger piece and engageable with one of the openings in the arm when the finger piece is swung over the channeled keeper for releasably securing the arm and the keeper coacting with the handle to form a stop.

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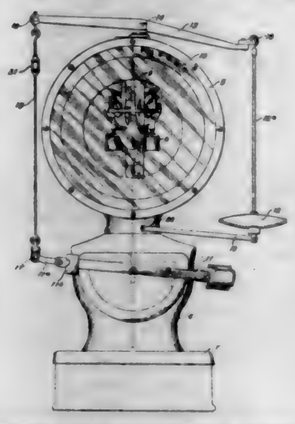
1,564,845. COUNTING SCALE. CLARENCE H. HAPGOOD, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Sept. 10, 1923. Serial No. 661,788. 5 Claims. (Cl. 265—62.)



1. A counting scale having a platform, weight-offsetting mechanism actuated therefrom including a beam, an upright housing supporting said beam and containing automatic indicating mechanism, said upright housing having a convex upper surface, an additional counterbalancing mechanism acting against said weight-offsetting mechanism and including a lever mounted adjacent the highest point on the convex upper surface of said housing, connections between the lever and the beam, and a ratio pan carried by the beam.

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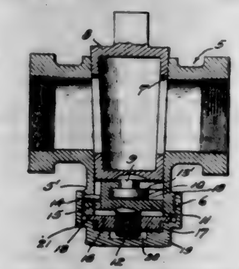
1,564,846. VALVE. HARVEY L. HARBAUGH, Seattle, Wash., assignor of one-half to Frank Harwood, Seattle, Wash. Filed May 4, 1925. Serial No. 27,686. 3 Claims. (Cl. 251—91.)



1. In combination, a valve casing having an externally screw threaded boss, said casing being provided with a conical bore, a cock for said bore, a regulator comprising a slotted head element and a screw threaded stud element, means provided on the cock and engageable in the slot of said head for connecting the cock to the regulator for relative rotary movement, means provided in the casing to prevent rotary movement of the regulator and permitting axial movement of the same, a nut engaging the screw threads of the regulator stud, and a cap nut engageable with the threads of said boss for clamping the first named nut between the cap nut and the outer extremity of the casing boss.

2. In a valve of the character described, the combination with the casing, the cock, a regulator connected to the cock for relative rotary movement, said regulator being provided with a screw threaded stud element, a nut for said regulator stud, and means connected to said casing for clamping the nut thereto in an adjusted rotary position.

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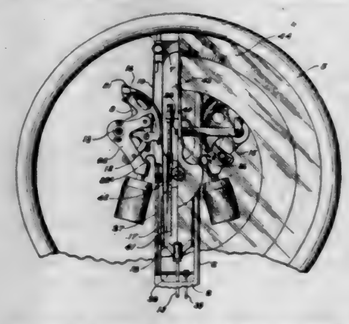
1,564,847. WEIGHING SCALE. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Sept. 10, 1923. Serial No. 661,831. 7 Claims. (Cl. 265—62.)



1. In weighing scales, a dial, a pointer movable thereover, means for moving the pointer during the weighing operation including a pendulum having a weight, a fulcrum sector carried thereby and rigid with said weight and a power sector adjustably mounted on the pendulum and movable relatively to said weight to vary the position of the pointer relatively to the graduations on the dial without altering the zero position of the weight.

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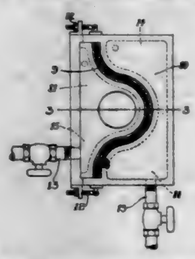
1,564,848. PROCESS FOR FORMING AND APPLYING BENT-VENEER WORK. WALTER J. HERSCHEDE and WALTER EBERHARDT, Cincinnati, Ohio, assignors to The Herschede Hall Clock Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 19, 1923. Serial No. 652,490. 2 Claims. (Cl. 144—309.)



1. The process of forming cabinets and the like having laminated curved portions comprising applying a bonding substance to the laminations and to the joints of the cabinet to be formed, placing the component parts in position between a pair of complementary molds, clamping and heating the molds sufficiently to permit the bonding substance to permeate the pores of the wood and

then chilling the molds thereby causing the bonding substance to set whereupon the cabinet may be removed from the molds completely assembled.

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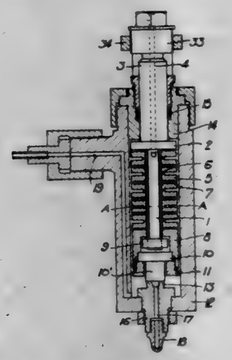
1,564,849. VALVE-CONTROLLING MEANS. KNUT JONAS ELIAS HESSELMAN, Saltsjo-Storangen, Sweden. Filed Aug. 22, 1924. Serial No. 733,597. 5 Claims. (Cl. 137—156.)



1. In a fluid pressure operated valve controlling device, a set of annular flexible disks loosely engaging each other to form a longitudinally flexible hollow column, a carrier for said disks, a rigid end piece on said carrier at one end of the set of disks, an adjustable end piece on said carrier at the opposite end of said set of disks, and means carried by one end piece and engaging the other end piece to hold said parts together so as to cause them to form a unitary structure containing a closed chamber communicating with the atmosphere through a passage in one of said end pieces.

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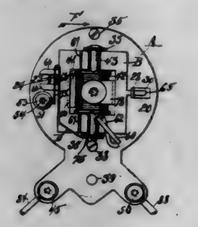
1,564,850. ELECTRIC BELL. GUSTAV ADOLPH HUBER, Landing, N. J. Filed June 7, 1922. Serial No. 566,623. 4 Claims. (Cl. 177—7.)



1. In an electric bell the combination of a frame, an electro-magnet supported on the frame and spaced therefrom and magnetically insulated from said frame, an armature member with a clapper, slidably supported on the frame, a U-shaped member with upturned ends of one piece of magnetic material carried by the armature member, said upturned ends coacting with the core of the electro-magnet to be attracted thereby and means to move the armature member away from said core.

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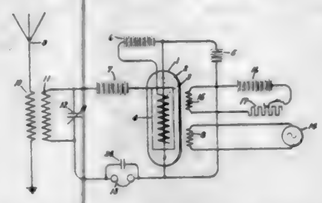
1,564,851. DYNATRON SYNCHRONOUS DETECTOR. ALBERT W. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 13, 1920, Serial No. 423,952. Renewed Feb. 3, 1925. 14 Claims. (Cl. 250—27.)

1. The combination in a system for detecting frequency signaling currents of an electron discharge device having an electron emitting cathode, an anode, and a third electrode enclosed in an evacuated envelope, an electric circuit between cathode and third electrode, sources of potential applied to the electrodes of said device in such a way that the current in said circuit will increase and decrease inversely as the potential between cathode and third electrode, a magnetizing coil associated with said device for producing a magnetic field in the space between cathode and third electrode, a second circuit associated with said magnetizing coil, means for producing locally high frequency oscillations of a frequency different from that of the signaling currents to be detected, means for supplying the locally produced high frequency oscillations to one of said circuits, and means for supplying signaling currents to the other circuit.



12. The combination in a system for detecting high frequency signaling currents of an electron discharge device having a plurality of electrodes and a plurality of circuits associated with said device, one of said circuits which is connected between two of the electrodes of said device having a negative resistance included therein, a second of said circuits including means for varying the value of the negative resistance of the first, means for impressing signaling currents upon one of the circuits associated with said device, and means for producing local oscillations in another of said circuits of a frequency differing from that of the signaling currents.

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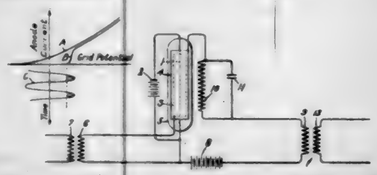
1,564,852. ELECTRON-DISCHARGE APPARATUS. ALBERT W. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 8, 1921. Serial No. 499,293. 43 Claims. (Cl. 250—27.)

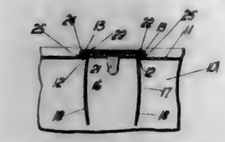


2. The combination with an electron discharge device having a cathode, an anode and a controlling grid, said electrodes being arranged in substantially circular symmetry with respect to one another, of a circuit between cathode and anode, means for varying the potential of said grid, and means for producing by current flowing in the circuit between cathode and anode a magnetic field in the space between said electrodes, the strength of the magnetic field being so adjusted as to greatly increase over a predetermined operating range the slope of the curve showing the relation between grid voltage and anode current over its slope in the absence of such magnetic field.

42. The method of operating an electron discharge device having a cathode, an anode and a controlling grid which consists in producing a flow of electrons between cathode and anode, impressing an alternating potential upon the grid and producing in the space between the electrons by means of current carried by the electron stream a magnetic field of sufficient strength to greatly shorten the time in each cycle of grid potential during which current will flow to the anode.



1,564,853. POURING DEVICE FOR CONTAINERS. SHERMAN JACKSON, Akron, Ohio, assignor of one-half to Lawrence B. Trowbridge, Akron, Ohio. Filed Oct. 16, 1924. Serial No. 743,964. 4 Claims. (Cl. 221—11.)



4. A pouring device for containers, comprising a trough movable through an opening in the top of the container and a slide movable over the trough to retain the latter in closed position, said top and said slide having interengaging means thereon for locking said trough in its closed position and sealing said container.

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1,564,854. CLOSURE FOR DRY GASOMETERS. KONRAD JAGSCHITZ, Mainz, Germany, assignor to Machinenfabrik Augsburg-Nurnberg, A. G., Nurnberg, Germany, a Corporation of Germany. Filed Sept. 24, 1924. Serial No. 739,537. 3 Claims. (Cl. 48—176.)

1. In a dry gasometer, the combination of a tank, a floating closure for sealing said tank and adapted to rise and fall therein, means for guiding said closure in its vertical movements in said tank and bracing means for stiffening said closure combined therewith in a manner to locate the center of gravity of said closure below the center of buoyancy thereof.

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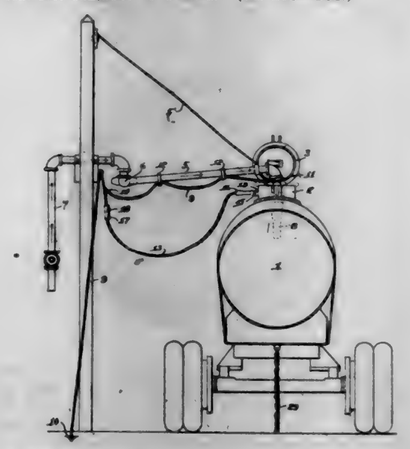
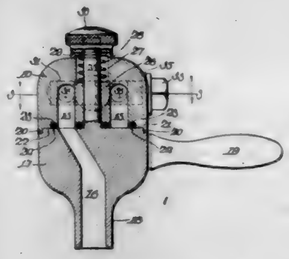
1,564,855. APPARATUS FOR GROUNDING CONTAINERS IN THE DISTRIBUTION OF PETROLEUM PRODUCTS. LOUIS D. JURS, Oakland, Calif., assignor to Associated Oil Company, San Francisco, Calif., a Corporation of California. Filed Jan. 15, 1923. Serial No. 612,830. 7 Claims. (Cl. 175—264.)



7. The combination with a vehicle tank having a filling opening, a closure for said opening, and a lock preventing removal of the closure, of a grounding device the application of which to the tank frees the closure of said filling opening from the lock.

1,564,856. FAUCET. EUGENE S. KARLSEN, Chicago, Ill. Filed Aug. 31, 1925. Serial No. 53,535. 1 Claim. (Cl. 277—69.)



In a faucet, the combination with a two-way supply fixture, of a head having two spaced ways deflected downwardly and extended therethrough in communication at one of their ends with the discharging ends of the first named ways mounted thereon, a member having a vertically disposed stem extended through an opening in said head and mounted for rotation on the bottom of the same and having a vertically disposed channel in alternate communication with the discharging ends of said ways of the head, and a bolt valve transversely journaled in said head and intersecting transversely the two ways of said head.

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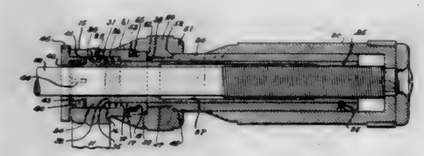
1,564,857. MICROMETER. OSCAR V. KARLSSON, Arlington, N. J. Filed Feb. 5, 1924. Serial No. 690,786. 13 Claims. (Cl. 33—166.)



1. In an instrument of the character described and provided with a measuring spindle, the combination with said spindle, of a primary member and element adapted to register rotative movement of said spindle, and a secondary member and element independent of said first named member and spindle capable of recording axial motion imparted to the said spindle while the latter is held against rotation.

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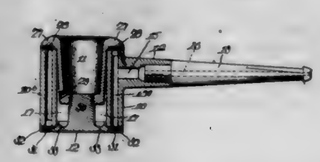
1,564,858. SMOKING PIPE. HERMAN W. KLOPPMAN, Chicago, Ill. Filed Apr. 1, 1925. Serial No. 19,809. 6 Claims. (Cl. 131—12.)



5. A smoking pipe comprising walls forming a casing having a hollow interior, a fire pot readily insertable into and removable from one end of said casing and opening thereinto, a readily removable closure for the end of said casing opposite the end into which the fire

pot is insertable, cooperative interengaging means carried by said closure and by said fire pot for simultaneously holding the fire pot and the closure in their respective operative positions, a hollow stem extending from the casing, the casing walls having a plurality of longitudinal channels side by side and connected in series and forming a passageway leading from the hollow interior of the casing to the hollow interior of the stem.

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1,564,859. MANUFACTURE OF NEO-ARSPHENAMINE. PHILIP A. KOBER, Hastings-upon-Hudson, N. Y. Filed Apr. 12, 1920. Serial No. 373,284. 6 Claims. (Cl. 260—15.)

1. In a method of producing neo-arsphenamine wherein arsphenamine base is converted in a formaldehyde-sulfoxylate derivative, and the latter is precipitated and filtered off from the reaction mixture, the step of mixing the precipitate with a strong sodium carbonate solution while avoiding excess of free alkali, and evaporating the resulting solution under a vacuum of from about 2 to 10 mm. of mercury, absolute pressure.

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1,564,860. MANUFACTURE OF HYDROCHLORIDES OF 3-3'-DIAMINO-4-4'-DIOXYARSENOBENZENE. PHILIP A. KOBER, Hastings-upon-Hudson, N. Y. Filed Apr. 12, 1920. Serial No. 373,286. 6 Claims. (Cl. 260—15.)

1. The method of producing a hydrochloride of 3-3'-diamino-4-4'-dioxyarsenobenzene, which comprises dissolving a purified 3-3'-diamino-4-4'-dioxyarsenobenzene in hydrochloric acid, using such an amount of hydrochloric acid that no free uncombined hydrochloric acid remains, and evaporating the resulting solution to dryness under a vacuum of from about 2 to 10 mm. of mercury absolute pressure.

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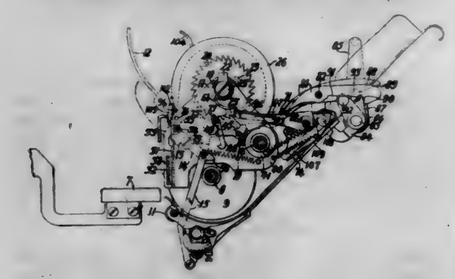
1,564,861. TYPEWRITING MACHINE. ALFRED G. F. KUBOWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 19, 1922. Serial No. 589,064. 53 Claims. (Cl. 197—153.)



1. In a typewriting machine, a ribbon for writing upon an outside sheet, an auxiliary ribbon for writing upon an inside sheet, means for maintaining the auxiliary ribbon in operative or inoperative position during writing operations, a paper-releasing handle, and means operating as an incident of the movement of the paper-releasing handle for moving the auxiliary ribbon to operative position.

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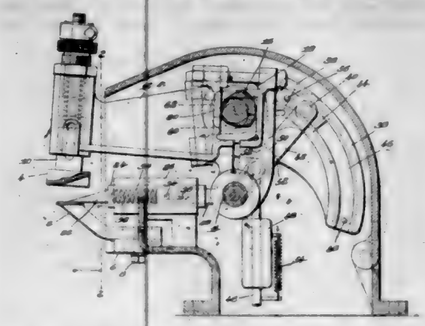
1,564,862. MACHINE FOR OPERATING ON WELTING. FRED N. LA CHAPELLE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 15, 1921. Serial No. 461,558. 32 Claims. (Cl. 12—67.2.)

1. A welt beating machine having, in combination, an anvil, a reciprocating hammer to cooperate with the anvil to beat out a welt, and means moved into engagement with the welt while the hammer is in engagement



with the welt to stretch the outer edge portion of the welt.

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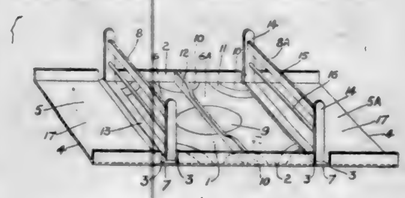
1,564,863. TABLE GAME. GEORGE W. LAING, Vancouver, British Columbia, Canada. Filed Nov. 6, 1924. Serial No. 748,231. 3 Claims. (Cl. 273—95.)



1. A table game comprising a pair of playing courts and a pair of inner courts separated by barriers past which a playing media is adapted to be projected to score on either of the inner courts, and a fence separating the inner courts one from the other.

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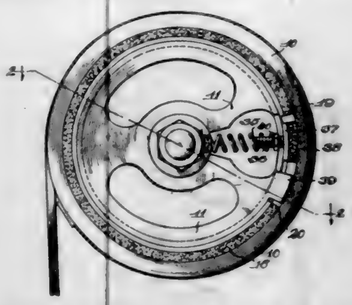
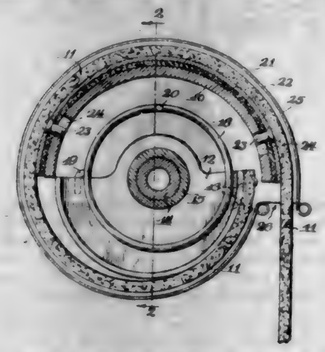
1,564,864. SHOCK ABSORBER. EDWARD L. LEINBACH, Chicago, Ill. Filed Nov. 24, 1924. Serial No. 751,980. 18 Claims. (Cl. 267—10.)



1. A shock absorbing device including two members relatively movable one with relation to the other and spaced from each other, a floating friction creating element interposed between said members and free for bodily forward and backward movement, said members having a free relative movement in one direction, and means responsive to the relative movement of the said members in the opposite direction for causing said friction creating element to retard the relative movement of the said members in the last recited direction.



1,564,865. SHOCK ABSORBER. EDWARD L. LEINBACH, Chicago, Ill. Filed Feb. 7, 1925. Serial No. 7,496. 6 Claims. (Cl. 267—10.)



1. A shock absorber including a pivotally mounted member, a belt secured at one of its ends to the said member and adapted to move the member in one direction about its pivot, a stationary surface over which the belt moves, means for moving the said member in one direction about its pivot, a floating friction creating element interposed between the said surface and the adjacent portion of the said belt and having contact with both, whereby said element may be freely oscillated by the belt over the surface, and means for arresting the bodily movement of the said element to cause a relative movement of the belt and the said element one with relation to the other.

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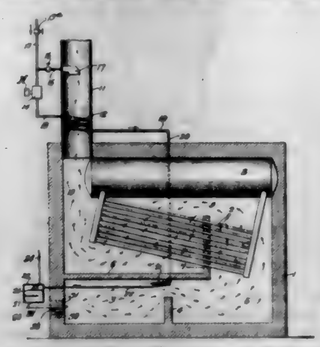
1,564,866. HEAT GENERATION FROM LIQUID FUEL. EDWARD A. LESLIE, Brooklyn, N. Y. Filed Nov. 19, 1923. Serial No. 675,770. 6 Claims. (Cl. 158—4.)



4. In a fuel oil burning apparatus, a boiler setting, a stack mounted thereon, an air intake, a suction blower receiving air from said intake, a bleeder pipe to receive waste gaseous products of combustion from said stack and deliver them to said suction blower, a primary heater to receive the gaseous mixture from said blower, an exterior carburetor, a fuel oil intake for said carburetor, and a pipe connecting said primary heater and said carburetor and located partially in the path of the hot products of combustion and partially exterior to said boiler setting.

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1,564,867. VEHICLE WHEEL. JOHN M. LINDMARK, Seattle, Wash. Filed Mar. 2, 1925. Serial No. 12,539. 4 Claims. (Cl. 301—23.)

1. In a disk wheel, a pair of felly members, each having a tapering inner peripheral surface and a curved outer peripheral surface, a disk having a peripheral flange formed upon its outer circumference with oppositely tapering seating surfaces for the respective felly members, one of said felly members being rigidly secured to said

disk flange, means for removably securing the other of said felly members upon the disk flange, and a rim adapted to seat upon said curved surfaces of both of the felly members.

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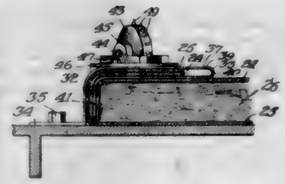
1,564,868. MATTRESS MACHINE. HARVEY B. LINDSAY, Oakland, Calif., assignor to Dry Zero Corporation, Wilmington, Del., a Corporation of Delaware. Filed May 14, 1925. Serial No. 30,393. 17 Claims. (Cl. 112—3.)



13. In a machine of the character set forth, the combination with a former in which filling material extends between spaced sheets of casing material and is fed therethrough, of means for folding the opposed edge-portions of said sheets beyond said filling at each side of the latter, into a position in which they flatwise oppose each other and lap one of said sheets, comprising guide-members each formed of spaced apart inner and outer guide forming plates of angle shape presenting an angular channel therebetween, portions of each of said plates extending along the adjacent edge of said filling and other portions extending along the upper surface of said filling at its edge-portions, said portion of said outer plate extending along the upper surface of said filling containing an opening and the opening portion of said inner plate containing a depressed portion presenting an upwardly-opening recess directly below said opening, and a spiked wheel revolubly mounted on said outer plate to extend downwardly through said opening therein and at its spikes into said recess, the axes of said wheels diverging in the direction of movement of said filling and sheets.

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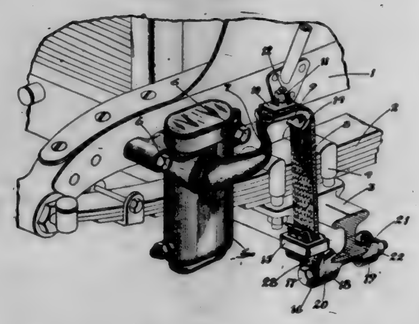
1,564,869. SHOCK-ABSORBER CONNECTION. RALPH M. LOVEJOY, Meredith, N. H. Filed June 5, 1922. Serial No. 565,884. 6 Claims. (Cl. 267—10.)

1. A shock absorber connection for connecting an oscillating shock absorber arm to a relatively movable mem-

ber of a vehicle comprising an anchoring member, connected to said relatively movable member, having an aperture presenting a pair of walls converging toward said arm, a strap connected at one end to said arm, a wedge-shaped member having faces complementary to the converging walls of said aperture and having one of its faces permanently secured to said strap with the edge



of the wedge extending in the direction of the adjacent end of the strap, whereby the end of the strap, with the wedge thereto attached, will pass through the narrow end of said aperture, and when reversed, to bend said strap around the base of the wedge, and the wedge again entered into the aperture, will clamp said strap firmly against the converging walls of the aperture.

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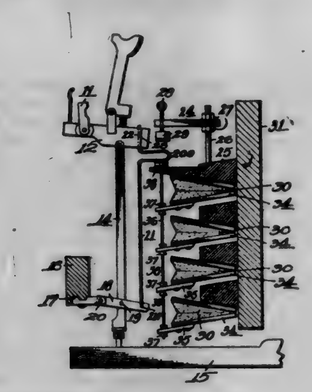
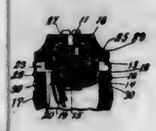
1,564,870. MANUALLY OR MECHANICALLY OPERATED PIANO. FRANK G. LYNDE, Newark, N. J., assignor to Auto Pneumatic Action Company, a Corporation of New York. Filed Oct. 27, 1919, Serial No. 333,574. Renewed Oct. 3, 1925. 1 Claim. (Cl. 84—68.)



In a manually or mechanically operated piano, the combination of the piano action, rods pivoted to the links thereof and having their ends loosely extending through holes in the wippens, projections formed by loops in said rods below the wippens of the piano action, a series of pneumatics, strikers extending upwardly from said pneumatics, a guide board in which said strikers are fitted to slide, and heads on the upper ends of said strikers set in position to engage the loops on the rods.

1,564,871. ELECTRICAL CONNECTER DEVICE. STANLEY MCCLATCHIE, Cambridge, Mass., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 16, 1920. Serial No. 351,820. 4 Claims. (Cl. 173—359.)



1. A swivel attachment plug comprising a swivel contact, having an inwardly extending annular flange at its entering end, a two-part insulating base, the parts having portions located on opposite sides of the flange respectively, for positioning the contact with respect to the base and binding terminal members and a center contact supported by said base, said center contact construction comprising a screw, the wire for the shell contact being clamped between the parts of the base by the action of said center contact screw.

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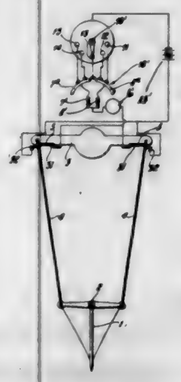
1,564,872. AIRCRAFT CONTROL. WILLIAM H. MCMULLEN, Hempstead, N. Y. Filed Dec. 19, 1922. Serial No. 607,918. 9 Claims. (Cl. 172—8.)



5. In a control system for aircraft the combination with an aircraft control element to be actuated to any one of a multiplicity of positions on either side of a neutral position, of an electric power motor for actuating said element in either direction, a circuit for said motor, a hand control member and a control member operated by the element for energizing said motor and selecting a position to which the element is to be actuated and there arrested, a device for actuating the element directly and independently of the power motor, a switch member also disposed in the control circuit and so associated with said device that the latter cannot be operated directly without breaking the motor circuit through the switch, the arrangement being such that upon the release of the direct acting device and its cooperative switch the aircraft element is automatically returned by the power motor to the selected position corresponding to that occupied by the hand control member.

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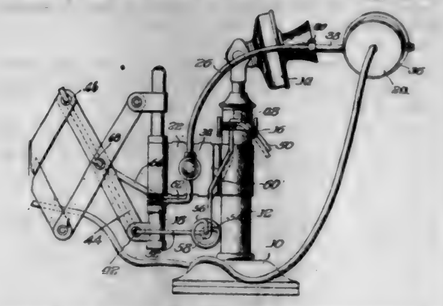
1,564,873. SUPPORT. ALEXANDER C. MABEE, Villa Park, and DONALD H. SWEET, Evanston, Ill. Filed Aug. 23, 1923. Serial No. 658,865. 5 Claims. (Cl. 179—150.)

5. In combination, a telephone desk stand including a transmitter, a receiver and a switch hook, a horizontally extensible support for said desk stand, and means controlled by the movement of said extensible support for



raising and lowering the switch hook independently of said receiver.

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1,564,874. FOOTGEAR. MARK F. MADDEN, Chicago, Ill. Filed Oct. 4, 1921. Serial No. 505,267. 3 Claims. (Cl. 128—165.)

1. In a foot gear, a structure adapted to be applied to, and to extend at opposite sides of the foot comprising a body of padding material internally contoured to fit the sides of the foot, the edges of said body spaced apart at the instep and at the bottom portions for purposes of ventilation, said body having an external form of regular outline adapted to contact substantially uniformly with a supporting surface, whereby pressure of support of the reclining foot shall be substantially uniform over its lower surface, and means to secure the gear upon the foot.

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1,564,875. FIRE ARCH FOR LOCOMOTIVE BOILERS. ELI R. MANOR, St. Paul, Minn. Filed June 18, 1924. Serial No. 720,786. 1 Claim. (Cl. 110—76.)

A boiler of the locomotive type provided with arch tubes extended through the fire box thereof from the surrounding water space, in combination with arch-forming blocks supported on said arch tubes with their ends abutting above said tubes and provided with aligned air passages extended transversely through the arch and delivering into the combustion chamber, and intake tubes extended directly through the sides of the boiler and projecting into the aligned air passages and assisting and supporting adjacent blocks, said air intake tubes being provided on both sides of the fire box, each transverse row of arch forming blocks having the transverse air passages noted, and there being one air intake tube injected into each end of each of the transverse air passages of the arch formed by said blocks.

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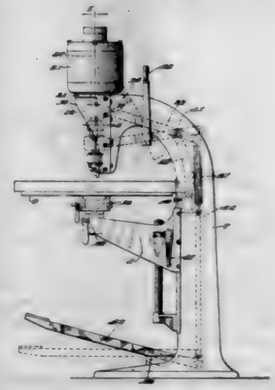
1,564,876. BORING MACHINE. JUDSON H. MANSFIELD, Rockford, Ill., assignor to Greenlee Bros. & Co., Rockford, Ill., a Corporation of Illinois. Filed Aug. 8, 1921. Serial No. 490,679. 2 Claims. (Cl. 77—6.)



1. In a boring machine of the character described, the combination of a work table, a standard overhanging the table and having vertical ways on its front face and an opening between said ways, a motor-supporting bracket secured to said standard and having vertically disposed portions providing ways complemental to those on the standard and a horizontally disposed top portion providing a motor-supporting part, a motor rigidly mounted on said part on a vertical axis, a spindle-bearing slide reciprocable upon and between said ways, a spindle journaled at its tool-carrying end on said slide and telescoping within the motor, a driving connection between the motor and spindle, and means reaching through said opening in the frame for reciprocating the spindle-bearing slide.

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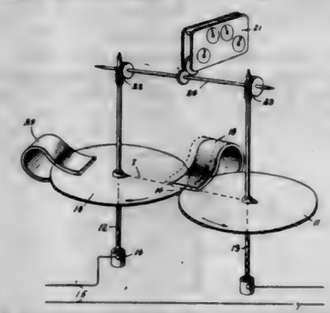
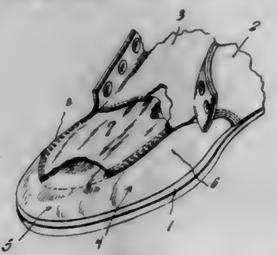
1,564,877. COMMUTATION DEVICE FOR METERS. FREDERICK S. MARCELLUS, Amsterdam, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 2, 1923. Serial No. 672,440. 4 Claims. (Cl. 171—34.)



1. A meter motor having a rotative system comprising a pair of continuous conducting discs mechanically connected for simultaneous rotation, said mechanical connection comprising an electrical connection between said

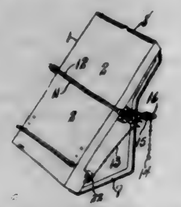
discs, means for electrically connecting said discs in an external circuit through said mechanical connection in such a manner that current flowing in said circuit is caused to flow along radial lines in said discs, a stationary field for producing flux through said discs embracing the path of the circuit current, and a drag magnet embracing an otherwise elctrical inactive portion of one of said discs.

1,564,878. SHOE. BERNARD A. MASON, Chippewa Falls, Wis. Filed Mar. 23, 1925. Serial No. 17,646. 2 Claims. (Cl. 36—45.)



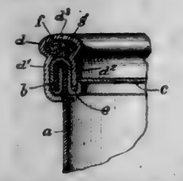
1. In a shoe provided with a plain toe, a gusset, and a single piece of flexible water proof material attached to said toe and overlying the vamp and a portion of the tip and connected thereto and to the gusset.

1,564,879. COPY-HOLDING POINTOGRAPH. LOUIS THOMAS MATHEWS, San Antonio, Tex., assignor to Point-O-Graph Machine Co., Dover, Del., a Corporation of Delaware. Filed Aug. 21, 1922. Serial No. 583,307. 4 Claims. (Cl. 120—34.)



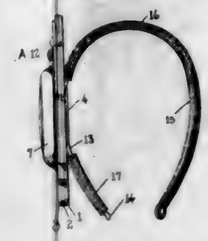
1. A copy-holding pointograph comprising a frame, shafts journaled longitudinally in said frame, a yoke movable on said shafts, a line spacing band carried by said yoke and transversely disposed on the face of said frame and an indicator carried by said band, and gearing for causing said yoke to move step by step longitudinally on said shafts.

1,564,880. RESILIENT REENFORCING RING FOR CONTAINERS. ALFONS MAUSER, Cologne-Marienburg, Germany. Filed Oct. 24, 1924. Serial No. 745,542. 6 Claims. (Cl. 220—73.)



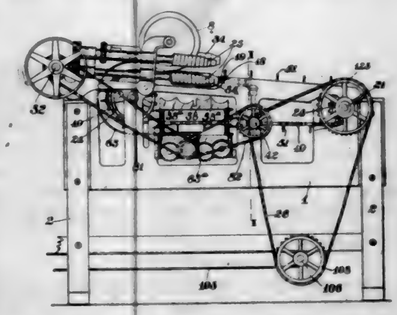
1. A container having end and side walls and a connecting joint therebetween, a resilient ring encasing and extending outwardly beyond said joint to leave a space between said ring and joint and form a cushion or shock absorber for said container, one of the walls of said container being provided with an abutment against which the outer face of one edge of said ring is engaged, to anchor said ring in position and prevent opening thereof under the influence of shocks or blows.

1,564,881. ARTICLE CARRIER. EARL AMBERT MONTGOMERY, Pasadena, Calif. Filed July 21, 1924. Serial No. 727,297. 2 Claims. (Cl. 224—4.)



1. An article carrier comprising a body formed with slits therein, a substantially elliptical spring metal retaining member having spaced terminals adapted to be detachably mounted on the body and insertable through the slits with the spaced terminals directed laterally of the body, a two-part inherently resilient tubular protective covering for the retaining ember and closely engaging the same to resist displacement or removal, the parts of said covering being of unequal lengths, and an end of each of the respective parts of the protective covering being fitted close to the points of entry of the retaining member into the slits whereby to prevent dislodgment of the retaining member from the body or slipping of the same from its normal position with respect thereto.

1,564,882. GREEN-CORN-HUSKING MACHINE. WILLIAM W. MORRAL, Morral, Ohio. Filed Jan. 16, 1922. Serial No. 529,633. 10 Claims. (Cl. 130—5.)



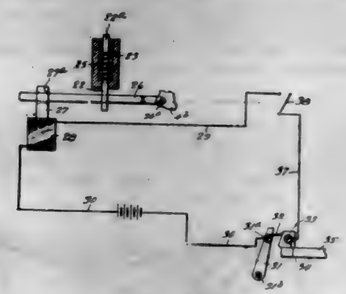
1. In a machine for husking an ear of corn, the combination with butt removing means, and a belt for carrying the ears to be husked to and beyond said butt removing means, a pair of husking rolls lying transversely of the direction of motion of said belt, and in a plane intersecting the plane of the belt, and a belt provided with flights, said last named belt extending around the lower reach of the first named belt for moving the ear along said husking rolls, said husking rolls lying under the lower reach of the second named belt.

1,564,883. CYLINDER LOCK. JAMES A. MUZZIO, Cleveland, Ohio. Filed May 25, 1923. Serial No. 641,893. 6 Claims. (Cl. 70—46.)

3. A cylinder lock, comprising relatively rotatable cylinder and plug members, circumferentially spaced longitudinally extending locking levers lying and movable in radial slots of the plug, and a series of springs lying in the plug, one between each circumferentially spaced

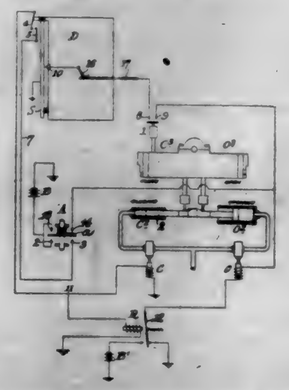
pair of levers, each spring having two oppositely extending arms each engaging a lever, said springs each extending less than 180° around the plug axis.

1,564,884. TARGET TRAP. PAUL NORTH, Lakewood, Ohio. Filed Feb. 16, 1925. Serial No. 9,476. 10 Claims. (Cl. 124—6.)



1. In a target trap, the combination, with a throwing spring, a throwing arm operatively connected with said spring, a pull rod for said spring and a pulling lever connected with said rod, of a trigger for holding the arm in throwing position, electrical means for operating said trigger to release said arm, and a circuit-closing device carried by and movable with the pulling lever for operating the said means.

1,564,885. DOOR-MOTOR CONTROL. GEORGE E. OAKLEY, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Sept. 14, 1920. Serial No. 410,206. 15 Claims. (Cl. 268—8.)

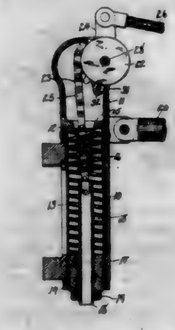


1. A door control system comprising door closing control means, door opening control means capable of dominating the door closing control means, and emergency means for causing the door opening control means to temporarily dominate the door closing control means.



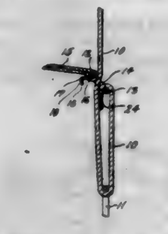


1,564,886. SUSPENSION DEVICE FOR ELECTRIC LAMPS. THOMAS F. O'NEILL, New Haven, Conn. Filed June 13, 1925. Serial No. 36,826. 5 Claims. (Cl. 240—67.)



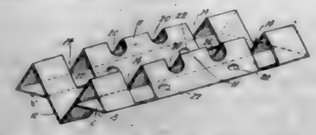
1. A lamp-support, comprising a supporting-bracket, a head swiveled thereon, a plate pivotally mounted in the head and formed with an arm, a spring in the bracket connected to said plate, a lamp-bar pivotally connected with the head, and a stay-rod connected with the said arm and with the said lamp-bar, whereby the spring tends to lift the outer end of the lamp-bar.

1,564,887. BUCKLE. ALBERT OPPENHEIM, New York, N. Y., assignor to The Connecticut Web & Buckle Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 6, 1924. Serial No. 697,179. 11 Claims. (Cl. 24—184.)



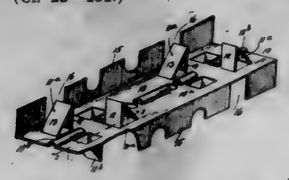
1. A buckle comprising a frame having spaced front and back portions, said back portion having a pair of spaced offsets adjacent the opposite ends thereof extending toward the front portion, and a lever hinged to the front portion and provided with a tongue having a plain free edge adapted to pass through the frame and clamp a web against the intermediate portion of the back and the opposed sides of the offsets.

1,564,888. CONCRETE-FORM TIE AND SPACER. HARRY A. ORLOPP, Venice, and DAVID BAKER SMITH, Los Angeles, Calif.; said Orlopp assignor to said Smith. Filed Nov. 6, 1923. Serial No. 673,061. 10 Claims. (Cl. 25—131.)



6. In a tie for concrete or like forms, the combination of a flat metal plate, a longitudinally extending hollow ridge on the plate, the plate closing the bottom of the ridge, the ridge having form board engaging shoulders and openings to pass reinforcing rods.

1,564,889. FORM TIE AND SPACER CONSTRUCTION. HARRY A. ORLOPP, Venice, and DAVID BAKER SMITH, Los Angeles, Calif.; said Orlopp assignor to said Smith. Filed Nov. 6, 1923. Serial No. 673,062. 4 Claims. (Cl. 25—131.)



3. A tie and spacer device for concrete or like forms, comprising a flat metal plate with flanges at its opposite edges, such flanges having form board receiving notches therein, and form board engaging shoulders struck up from the plate with a board engaging part substantially perpendicular to the plate and a diagonal brace part behind the board engaging part.

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1,564,890. BRIQUETTE. ALEXIS D. PARKER, Villanova, Pa., assignor to American Briquet Company, a Corporation of Delaware. Filed Jan. 8, 1925. Serial No. 1,169. 3 Claims. (Cl. 44—16.)

1. The method which consists in mixing starch with borax in water, then adding thereto a relatively large quantity of water and bringing the same to high boiling point, then adding and stirring therewith hot asphaltum to form an emulsion, and then mixing the emulsion with culm or the like and forming the same into briquettes and drying the same.

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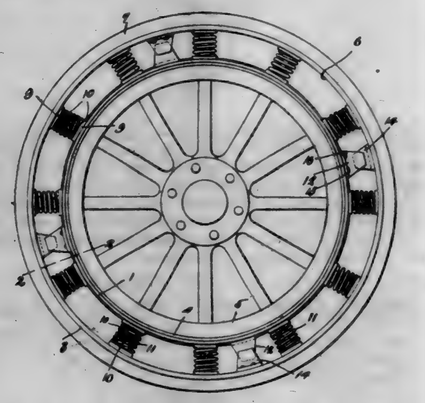
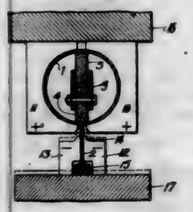
1,564,891. DEMOUNTABLE TIRE. SAMUEL N. PARKER, New Orleans, La., assignor of one-half to Arthur O'Shaughnessy, New Orleans, La. Filed Nov. 2, 1923, Serial No. 672,419. Renewed Sept. 24, 1925. 1 Claim. (Cl. 152—23.)



In a device of the class described, an inner rim, an outer rim, springs interposed between the rims, angle members of like construction, comprising transverse flanges secured to the rims and outstanding flanges constituting projections on the rims, some of the projections on the inner rim overlapping one side of the corresponding projections on the outer rim, and others of the projections on the inner rim overlapping the corresponding projections of the outer rim on the opposite side thereof, to hold the outer rim for movement in a plane parallel to the inner rim, but against lateral movement with respect to the inner rim.

1,564,892. ELECTRIC WELDING APPARATUS. GEORGE H. PHELPS, Warehouse Point, Conn., assignor to Thomas E. Murray, Brooklyn, N. Y. Filed Jan. 2, 1925. Serial No. 82. 6 Claims. (Cl. 219—4.)



1. An apparatus of the character described comprising an electrode in two parts adapted to embrace a tube, with a gap at a determined point and a second electrode adapted to be clamped to a projecting member with its edge inserted in said gap against the tube.

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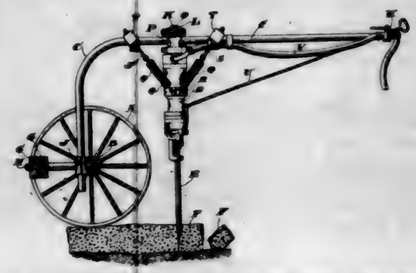
1,564,893. MOUNTING FOR CONCRETE BREAKERS. WILLIAM PRELLWITZ, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 21, 1924. Serial No. 751,208. 4 Claims. (Cl. 262—16.)



1. A concrete breaker comprising a pair of wheels, an axle for the wheels, a pair of rearwardly extending handles attached to the axle, a pneumatic hammer mounted pivotally on the handles, and a drill steel in the hammer to receive the blows of said hammer.

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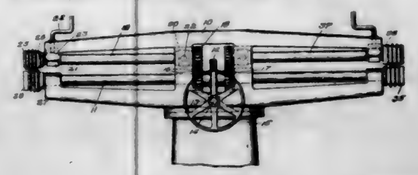
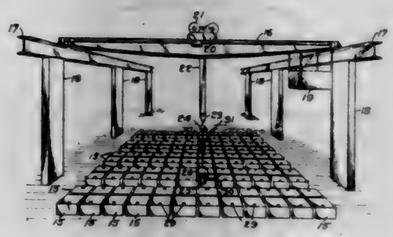
1,564,894. MACHINE FOR MAKING PIPE ELBOWS. LEMUEL H. PURNELL, Chicago, Ill., assignor of one-half to Henry G. Goelitz and one-half to Enoch Purnell, both of Oak Park, Ill. Filed Oct. 30, 1922. Serial No. 597,873. 4 Claims. (Cl. 113—36.)



1. Mechanism for making pipe elbows from straight lengths of pipe comprising a templet adapted to be secured to said pipe, a track carried by said templet and rotary cutters adapted to be guided by said track for cutting said pipe, said cutters being reversely beveled for simultaneously turning one edge outwardly and the other inwardly as they are severed, so that the outwardly turned edge may be inserted within the inwardly turned edge whereby the sections may be rotated with respect to each other.



1,564,895. POURING-LADLE EQUALIZER. WILLIAM C. ENGERT, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Apr. 27, 1925. Serial No. 26,126. 10 Claims. (Cl. 22—79.)



1. The combination with a crane and a ladle suspended therefrom, of means in the connection between said crane and said ladle whereby said ladle is automatically raised when the level of the contents of said ladle is lowered.

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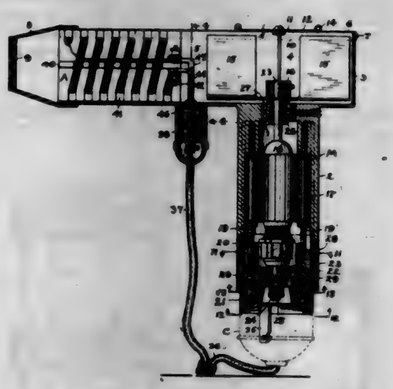
1,564,896. COMBINED ELECTRICAL HEATER AND BLOWER. S. TRUMAN RINKER and ERVIN J. RUST, Cleveland, Ohio. Filed May 3, 1923. Serial No. 636,353. 4 Claims. (Cl. 219—39.)



2. A combined heater and blower, comprising a casing having at one end a fan and at the other a discharge passage, a hollow handle having open communication with the fan end of the casing and provided with air-intake openings at its lower end, an electric heater within the discharge end of said casing, and an electric motor within said handle in driving connection with said fan.

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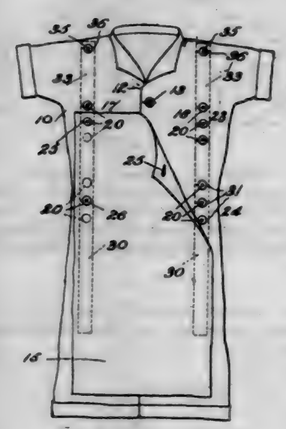
1,564,897. GARMENT. MARY E. SANBORN, New York, N. Y. Filed Mar. 28, 1923. Serial No. 628,190. 2 Claims. (Cl. 2—48.)

1. The combination of a garment comprising a body portion having a plurality of longitudinally spaced openings toward each side of the front thereof, a longitudinally disposed strip toward each side beneath said openings, fastening devices carried by said strips and extending through said openings, and a detachable front for said garment having fastening devices toward each side thereof spaced correspondingly to the first mentioned



fastening devices for cooperation therewith to permit said detachable front to be removably secured in a plurality of adjusted positions.

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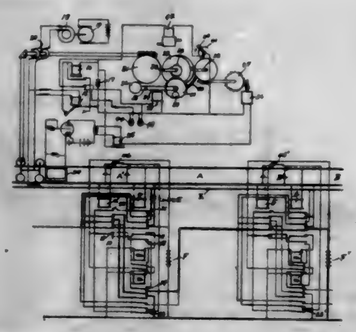
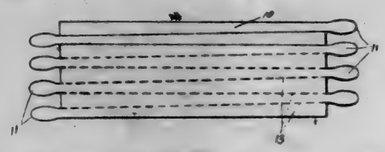
1,564,898. AUTOMATIC VEHICLE-CONTROLLING SYSTEM. EDWARD C. SABNETT, Washington, D. C. Filed Apr. 10, 1923. Serial No. 631,115. 14 Claims. (Cl. 246—63.)



4. In an automatic system for controlling vehicles, a track divided into block sections, a vehicle traveling on said track, a source of electrical energy carried by said vehicle, connections for transmitting said energy to the track rails of a preceeding block, said connections including a circuit interrupter opening and closing in accordance with the travel of the vehicle, a translating device on the vehicle responsive to energy transmitted through the track rails, a step-by-step mechanism operated by said translating device, and vehicle controlling means actuated by said step-by-step mechanism.

1,564,899. OPHTHALMIC TEMPLE AND PROCESS FOR MAKING THE SAME. ELMER L. SCHUMACHER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 30, 1924. Serial No. 729,087. 2 Claims. (Cl. 18—55.)



1. The process of forming ophthalmic mounting temples consisting in forming a master blank having a plurality of staggered projections at its ends and then dividing the master blank into single blanks, shaping and polishing the single blanks and then bending them into form.

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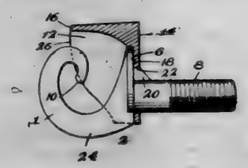
1,564,900. SAFETY HOOK. JESSE SCHWARTZ, Kansas City, Mo. Filed Sept. 15, 1924. Serial No. 737,896. 3 Claims. (Cl. 24—231.)



1. A device of the character described consisting of a base, a rim projecting from said base, a hook partially surrounded by said rim, a base fixed to said hook and removably seated in the first-mentioned base, and a threaded shank projecting from the second base through a hole in the first base.

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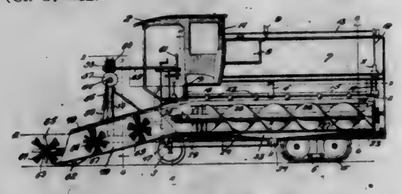
1,564,901. SNOW REMOVING AND DESTROYING APPARATUS. ROBERT H. SCROGGINS, Upper Darby, Pa. Filed Apr. 3, 1925. Serial No. 20,411. 6 Claims. (Cl. 37—12.)



1. A snow removing and destroying apparatus comprising a vehicle, triturating mechanism therein, including a grinding screw having a mutilating paddle at the receiving end thereof, an apertured trough in which the same is journaled, a gutter below the trough having lateral outlets, a valve controlling the passage from the gutter to either of said outlets and means for revolving the triturating device.

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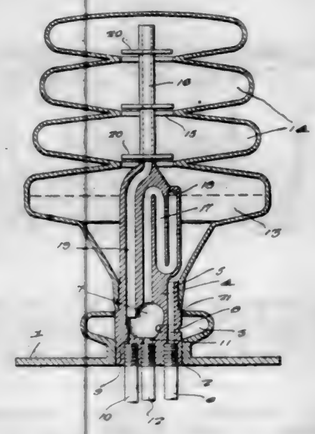
1,564,902. OIL BURNER. WILL G. SHERMAN, Chicago, Ill. Filed Jan. 22, 1925. Serial No. 4,069. 3 Claims. (Cl. 158—73.)

3. An oil burner of the class described comprising a body member provided with an oil inlet, and a mixing chamber in communication therewith, a burner head associated with the body member, and having communication with the mixing chamber, a water boiling chamber associated with the body member, said body member having means provided therein for admitting water to said chamber, superimposed superheating system chambers arranged above the boiling chamber having communication with the latter and further communicating with each other, a superheated steam delivery conduit extending upwardly through the superimposed steam chamber communicating at its lower end with the mixing chamber, and baffles on said conduit adjacent the inlet of each of the superimposed steam chambers.



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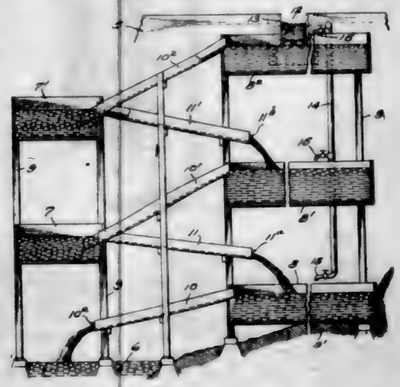
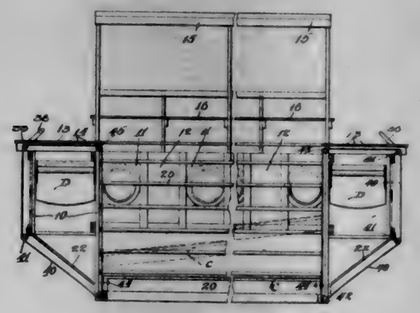
1,564,903. FISHWAY. DANIEL R. B. SHEPHARD, Seattle, Wash. Filed Aug. 28, 1924. Serial No. 734,594. 5 Claims. (Cl. 61—21.)



2. In apparatus of the character described, a plurality of fishways disposed in vertically spaced relation each of said fishways having a feeding basin, and a water-carrying trough extending downwardly therefrom, certain of the fishways having a fish resting basin into which extends the outlet end of the respective trough, and an inclined water-carrying trough extending downwardly from a resting basin and having its lower end terminate above the feeding basin of the fishway next below.



1,564,904. FLOATING-POOL STRUCTURE FOR BATHING. ERNEST G. SHINNER, Chicago, Ill. Filed Feb. 27, 1925. Serial No. 11,943. 4 Claims. (Cl. 4—171.)



1. A floating bathing pool structure comprising a plurality of open, latticed, vertical frame member sections detachably joined at their ends to form a pool enclosure; a float to support each member; means to detachably secure the sections together and a detachable floor in said enclosure.

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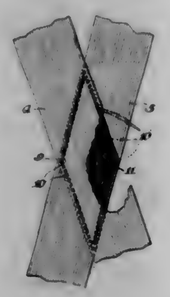
1,564,905. SUSPENDERS. FREDERICK C. SIMMONS, Highland Park, Pa., assignor to Pioneer Suspender Company, a Corporation of Pennsylvania. Filed May 27, 1924. Serial No. 716,118. 1 Claim. (Cl. 241—19.)



In suspenders, the combination of two shoulder straps of continuous elastic webbing, crossing at the back, and a reinforcing layer of non-elastic material interposed between said straps having an area and shape corresponding substantially with the area of the crossing portions of the elastic webbing and having its margins within the margins of said webbing, said crossing portions of the webbing and said reinforcing layer stitched together on lines adjacent their respective margins.

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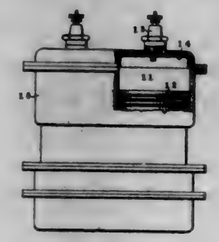
1,564,906. INTERNAL-COMBUSTION ENGINE. EDWARD SOKAL, New York, N. Y., assignor to American Katalite Corporation. Filed Oct. 18, 1920. Serial No. 416,736. 7 Claims. (Cl. 123—143.)

1. In an internal combustion engine, in combination, a combustion chamber for the fuel charge including means to ignite the charge, and an accelerating catalyzer functionally independent of said igniting means



fixedly disposed in said combustion chamber to promote the combustion of the otherwise ignited charge.

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1,564,907. PROCESS FOR PRODUCING ENAMELS AND GLAZES. FRITZ SOMMER, Berlin-Charlottenburg, and MAX GROTH, Berlin-Oranienburg, Germany, assignors to the Firm Chemische Werke vormals Auergesellschaft m. b. H. Kommanditgesellschaft, Berlin, Germany, a Corporation of Germany. Filed May 17, 1923. Serial No. 639,714. 6 Claims. (Cl. 106—36.2.)

1. The process of improving enameling and glazing compositions, which comprises incorporating both unburnt clay and burnt clay in the enamel.

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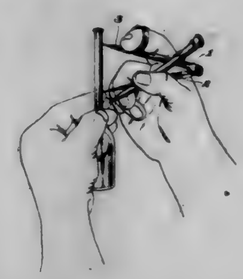
1,564,908. COMBINED DIVIDERS AND PENCIL. FRANK L. SORENSEN, Sioux City, Iowa. Filed Sept. 5, 1924. Serial No. 736,052. 5 Claims. (Cl. 7—1.)



1. In a device of the class described, the combination with dividers having relatively movable legs, of a marking device, and means cooperating with said dividers and marking device to cause a forward extension of the marking device when the divider legs are moved toward each other and to cause a rearward movement of the marking device when the divider legs are spread apart.

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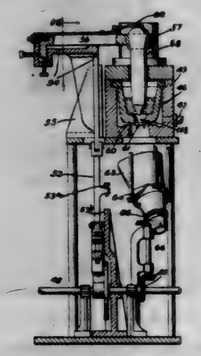
1,564,909. GLASS-FEEDING MECHANISM. THEODORE C. STEIMER, deceased, late of Pittsburgh, Pa., by Charles M. Steimer, executor, Zanesville, Ohio, assignor, by mesne assignments, to Hartford-Empire Company, a Corporation of Delaware. Original application filed Feb. 12, 1910, Serial No. 543,582. Divided and this application filed Dec. 31, 1924. Serial No. 759,172. 6 Claims. (Cl. 49—55.)

1. Apparatus for separating molten glass into mold charges, including a container for the glass having an outlet, an implement projecting into the glass toward the

outlet and mounted for movement toward and from the outlet, means for periodically moving said implement



toward and from the outlet and means for adjusting the nearest position of said implement to the outlet without changing its position remote from such outlet.

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1,564,910. AUTOMATICALLY-THREADING SHUTTLE. WALLACE I. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 10, 1925. Serial No. 42,753. 11 Claims. (Cl. 139—223.)

1. In an automatically threading shuttle for looms, the combination of the shuttle body having a longitudinally extending thread passage and side delivery eye, a bridge over which the thread passes to the side delivery eye and constituting the ballooning center for the thread in the thread passage during weaving when the shuttle is completely threaded, a thread director frontward of the side delivery eye and having a thread catch constituting the ballooning center for the thread during weaving when the shuttle is only partially threaded.

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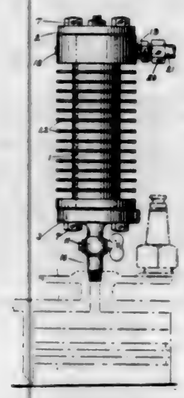
1,564,911. RECIPROCATING PUMP. ROBERT S. STRIEFLING, Detroit, Mich. Filed Jan. 10, 1924. Serial No. 685,326. 2 Claims. (Cl. 230—27.)

1. In a reciprocating pump, a cylinder, a shaft extending centrally thru said cylinder, a piston adapted, to reciprocate on said shaft and within the cylinder, a duct connecting to a gas engine and extending longitudinally into one end of the shaft, a valve from said duct to the adjacent end of the cylinder, an opening to the duct thru



the shaft, inlet and outlet valves spaced from the opposite end, whereby the reciprocations of the piston are prevented from extending to the ends of the cylinder.

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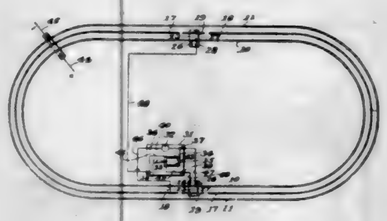
1,564,912. TOY-RAILWAY SIGNALING SYSTEM. WILLIAM E. THORN, Bridgeport, Conn., assignor to The Ives Manufacturing Corporation, Bridgeport, Conn., a Corporation of Connecticut. Filed July 2, 1924. Serial No. 723,639. 5 Claims. (Cl. 246—81.)



1. A track section for electric toy railway systems, comprising spaced wheel bearing rails, a central power rail including a non-current-carrying section insulated from said wheel bearing rails, and adapted to be engaged by the contact device of the train, terminal connections for a signal device, and means electrically connecting said terminal connections to said non-current-carrying rail section and one of said wheel bearing rails, whereby the circuit to said terminal connections is completed as the contact device simultaneously contacts with and electrically connects the power rail and said non-current-carrying section.

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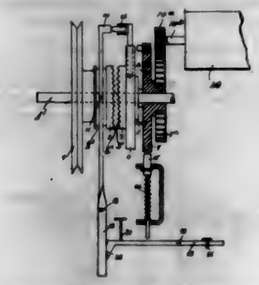
1,564,913. MECHANISM FOR MOVING AND ADJUSTING FORMS IN TYPEWRITERS. HUBERTUS VAN DUYL, Amsterdam, Netherlands, assignor to Naamlooze Vennootschap Kamatec, Amsterdam, Netherlands. Filed Apr. 13, 1923. Serial No. 631,951. 6 Claims. (Cl. 197—133.)

1. A device for positioning forms fed in tape form to a typewriter comprising, a roller for conveying forms, a



shaft, a driving means and a driven means loosely mounted on the shaft, a roller connector loosely mounted on the shaft, means causing the roller connector and the roller



to move together, a clutch for connecting the driving and driven means, and a pin and groove connection between the roller connector and the driven means.

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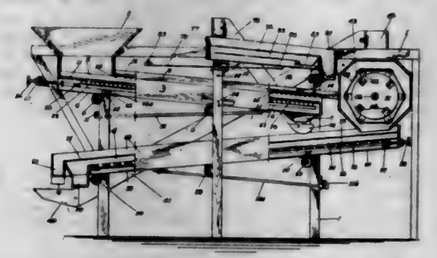
1,564,914. ALMOND HULLING AND SEPARATING MACHINE. LOUIS K. VAUGHAN, Woodland, Calif. Filed Nov. 3, 1923. Serial No. 672,455. 11 Claims. (Cl. 83—36.)



1. In an almond huller, a longitudinally reciprocating grate structure, a stationary cover mounted above the grate, bars projecting from the under side of the cover and disposed transversely of the grate, in spaced relation thereto, adjustable means supporting the cover spaced from the grate, spring means forcing said cover toward the grate but allowing movement of the cover away from the grate, and means for adjusting the tension of the springs irrespective of the cover adjustment means.

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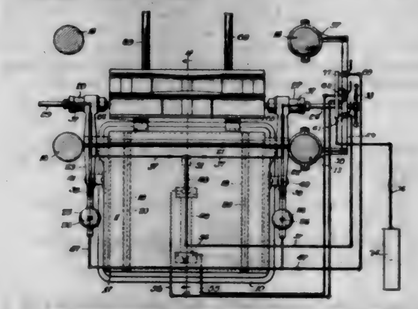
1,564,915. AXLE-FORGING APPARATUS. CHRISTOPHER WEATHERSON, Chicago, Ill.; said Sarah J. Weatherson executrix of said Christopher Weatherson, deceased. Filed Oct. 1, 1919. Serial No. 327,633. 11 Claims. (Cl. 78—99.)



1. In combination, a forging press having upper and lower dies, the manipulating mechanism comprising a movable frame, means mounted upon the frame for holding the work piece in position during the forging operation and moving it to different positions during the said operation, the said means also being adapted to hold the work piece suspended between the upper and lower dies when the force of the upper die is removed from the said work piece.

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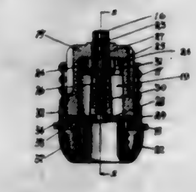
1,564,916. ATTACHMENT PLUG. GRABLE B. WEBER, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 28, 1920. Serial No. 384,864. 6 Claims. (Cl. 200—51.)



2. An attachment plug comprising a body portion, a disc thereon having an opening therein, a plunger extending through said body portion, a center contact on said plunger having a shank thereon guided in said opening, and a contact finger supported by said disc, and means whereby said contact finger is controlled by said plunger.

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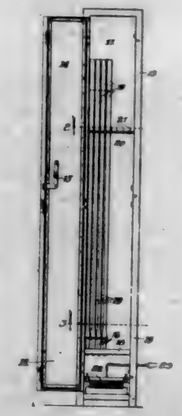
1,564,917. MEANS FOR PRESERVING GOLF-CLUB SHAFTS. JAMES S. WHITE, Chicago, Ill. Filed June 12, 1925. Serial No. 36,767. 1 Claim. (Cl. 84—19.)



In combination, an upright cabinet, a plate at the bottom of said cabinet having openings, adapted to receive the ends of golf club shafts, means for keeping said clubs in parallel arrangement, means for heating the air in the bottom of said cabinet beneath said plate, and intermediate openings in said plate for passing hot air upwardly between said shafts.

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1,564,918. INSULATOR CLAMP. JOSEPH THOMAS WILLIAMS, Syracuse, N. Y. Filed Aug. 5, 1921. Serial No. 490,029. 1 Claim. (Cl. 173—313.)

A device of the class described comprising two members hinged together at their ends and provided with clamping means at their free ends, said members having curved opposed clamping jaws adjacent the hinged ends thereof adapted to clamp a cable, and curved opposed

clamping jaws adjacent the free ends thereof adapted to engage an insulator, said cable clamping jaws being relatively small, and said members between the cable

clamping jaws and the insulator clamping jaws being spaced whereby the cable may be snugly clamped by the jaws engaging the same, said cable serving to keep said members in spaced relation.

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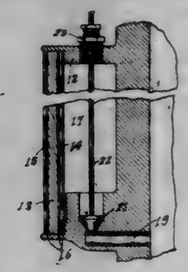
1,564,919. COMBINED RADIATOR AND HUMIDIFIER. SAMUEL C. WILSON, Chicago, Ill. Filed Dec. 10, 1923. Serial No. 679,648. 3 Claims. (Cl. 237—78.)



1. A humidifying device comprising steam coils, a chamber formed integrally with said steam coils and having fluid connection with the interior of said coils and a porous medium forming a part of one wall of said chamber exposed to the atmosphere on one side and to fluids within said chamber on the other side.

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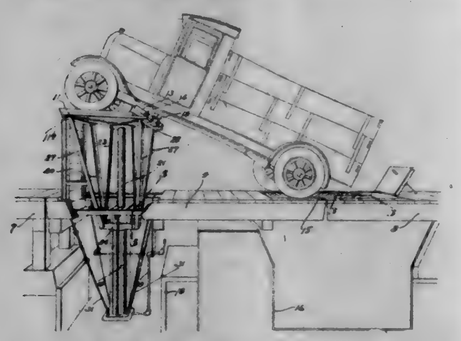
1,564,920. VEHICLE DUMP. AUGUST P. WINTER, Minneapolis, Minn., assignor to Samuel C. Clow, Minneapolis, Minn. Filed Apr. 17, 1925. Serial No. 23,909. 14 Claims. (Cl. 214—46.5.)



9. In a vehicle-dumping device, a vertically movable elevating platform and a normal support therefor, in combination with a cylinder anchored below said platform, a piston working in said cylinder, means for controlling a motive fluid to operate said piston, a lifting cradle guided at its lower end by said cylinder, and hangers connecting the lower portion of said cradle to the upper portion of said piston, the upper portion of said cradle being normally out of engagement with said platform but arranged to pick up said platform and raise the same bodily when said piston is raised.

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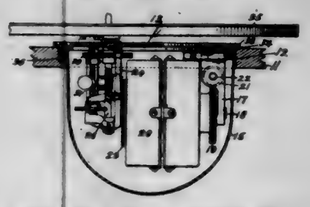
1,564,921. MOUNTING FOR PHONOGRAPH MOTORS. CLINTON E. WOODS, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed May 1, 1920. Serial No. 378,033. 2 Claims. (Cl. 185—37.)



1. In a phonograph, and in combination, a base plate having a portion for seating on top of a cabinet shelf to suspend the motor unit therefrom, a bearing bracket depending from said base plate, a motor housing, a turntable spindle and a governor shaft having bearings in said bracket, a driving connection between the motor and the spindle, a winding connection at the opposite side of the motor housing, and a bearing bracket depending from the base plate and supporting said winding connection, the motor housing being supported between the two brackets.

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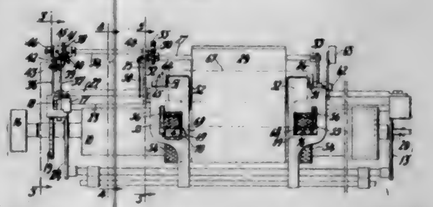
1,564,922. TYPEWRITING MACHINE. ALVIN E. ZUGELTER, Cincinnati, Ohio, assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 6, 1923. Serial No. 617,253. 12 Claims. (Cl. 197—135.)



1. In a stencil-cutting machine, a platen having a limited range of movement, card-feeding means co-operating with the platen to grip a stencil-card along its margins and feed it, a ribbon passing around the platen behind the stencil-card to mark impressions on the stencil material, and means on the ends of the platen, located outside the zone of the platen traversed by the ribbon, for engaging the lower edge of the card to align and locate it with reference to the platen.

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1,564,923. HAIR CURLER. DOLLETTA MAY ACKERMAN, Long Beach, Calif. Filed June 27, 1925. Serial No. 40,020. 1 Claim. (Cl. 132—43.)

A hair curler comprising a flat metal strip having a longitudinally extending clamping finger secured at one end to one face thereof and provided with means for detachably securing the free end of said finger, one edge of said metal strip being wider than the remainder thereof, and a metal band slidable on said curler to secure the free end of the clamping finger.



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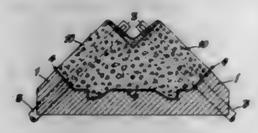
1,564,924. MANUFACTURE OF MOLDS FOR MAKING CONCRETE OR LIKE BEAMS, BLOCKS, COLUMNS, AND THE LIKE. LUIS ALWIN, London, England. Filed Mar. 10, 1923. Serial No. 624,263. 8 Claims. (Cl. 25—155.)



1. The herein described method of making sectional molds for the formation of columns or bodies, consisting in providing a mold matrix of a shape to accurately mold a particular section of the completed mold, and providing said matrix with a metal face to form the molding face of the mold section, and molding the section in said matrix to utilize said plate as a facing for said section when removed from the matrix.

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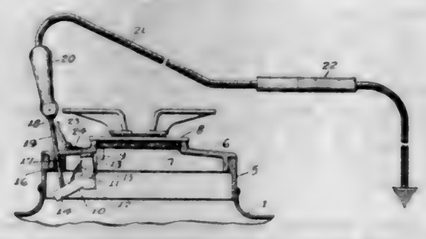
1,564,925. STATIC ELIMINATOR FOR VEHICLE TANKS. CHARLES C. ANTHONY, San Francisco, Calif., assignor, by mesne assignments, to Associated Oil Company, San Francisco, Calif., a Corporation of California. Filed Sept. 25, 1922. Serial No. 590,279. 2 Claims. (Cl. 175—264.)



1. A vehicle tank having a filling opening and a socket adjacent thereto, a screw cap for the filling opening, a lug on the under part of the cap and an interfering lever on an adjacent portion of the tank, in combination with a grounding cable terminating in a plug adapted to be inserted in said socket in electrical contact with the tank to act upon the interfering lever so as to cause its displacement from the interfering position.

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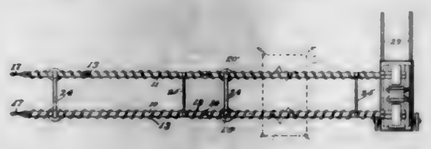
1,564,926. SCREW CONVEYER. JOHN J. ARMSTRONG, and ROBERT S. WOODFORD, Crockett, Calif. Filed Oct. 30, 1923. Serial No. 671,657. 11 Claims. (Cl. 198—213.)



2. A conveyer structure comprising a pair of complementary conveying devices each comprising a plurality of screw conveyers disposed end to end and articulately connected.

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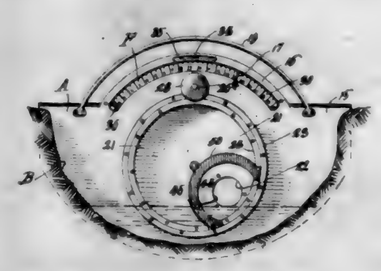
1,564,927. IRRIGATION REGULATOR. HOWARD A. BALLARD, Sacramento, Calif. Filed Dec. 21, 1922. Serial No. 608,279. Renewed Sept. 18, 1925. 10 Claims. (Cl. 61—29.)



1. A regulator for irrigation ditches comprising a flat sheet metal body adapted to be placed transversely of the ditch, and a rotatable plate associated with the body having a water way therethrough.

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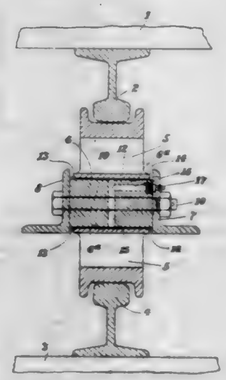
1,564,928. ROLLER BEARING FOR TURNTABLES. HUBERT OSWALD BEDGOOD, Glasgow, Scotland, assignor to Lobnitz & Company Limited, Renfrew, Scotland. Filed May 22, 1924. Serial No. 715,185. 2 Claims. (Cl. 308—220.)



1. A roller bearing for a revolving crane turntable, or the like comprising, in combination, an outer cylindrical retaining ring; an inner cylindrical retaining ring; distance pieces extending between the two rings, said distance pieces being disposed at spaced intervals around the rings; two spaced rod members extending through the rings and distance pieces to rigidly secure them together and hold the distance pieces against rotation, and rollers rotatably mounted one on each of said distance pieces.

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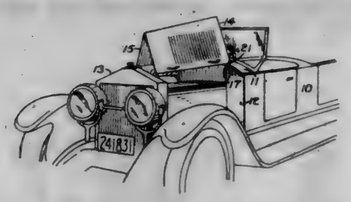
1,564,929. HOOD SUPPORT. JOSEPH H. BOURGON, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed July 18, 1924. Serial No. 726,872. 2 Claims. (Cl. 180—69.)

1. In combination with an automobile having a hood provided with an inwardly turned lower edge, a support to receive the lower edge of said hood when in raised position, said support comprising a substantially flat

portion and projections extending upwardly therefrom, one of said projections having an inturned edge to en-



gage the lower turned edge of said hood to prevent the same from moving out of said support and further toward the center line of said automobile.

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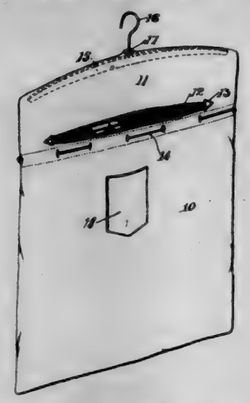
1,564,930. LAUNDRY BAG. ESTELLA BOYES, New York, N. Y., assignor to J. H. Hunt, San Francisco, Calif. Filed Feb. 12, 1923, Serial No. 618,563. Renewed Sept. 3, 1925. 3 Claims. (Cl. 150—1.)



1. The combination with a rigid hanger of a laundry bag having a closed extension or cap piece at its upper end, a horizontal slot in one side of the bag adjacent said closed extension, said slot permitting the hanger to be inserted or removed, and a hook on the hanger to extend up through an opening in the top of the bag when the hanger is in position beneath said extension, said hanger serving to support the bag and maintain the same spread out so that articles may be quickly inserted through the said slot.

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1,564,931. MEANS FOR THE UTILIZATION OF THE ENERGY OF THE EXHAUST GASES OF INTERNAL-COMBUSTION ENGINES BY THE STRIKING OF SAID GASES. FRIEDRICH AUGUST BOYSEN, Leipzig, Germany. Filed Aug. 26, 1921. Serial No. 495,800. 3 Claims. (Cl. 137—160.)

1. In a muffler of the class described, a spherical body, inlet pipes entering said body from opposite sides and in alinement, an exhaust neck extending from the body at right angles to said inlet pipes, and vanes in said exhaust neck providing helical passages therethrough.

1,564,932. MEANS TO ASSIST IN PURGING PAPERS. LEWIS H. BROWN, Chicago, Ill., assignor to Montgomery Ward & Co., Inc., Chicago, Ill. Filed Apr. 12, 1923. Serial No. 631,488. 11 Claims. (Cl. 283—1.)

1. A purging system for files comprising in combination a succession of sets of wrappers, each adapted to be folded over and enclose the top edge of a file, designs comprising solid color, vertical stripes, oblique stripes and dots, applied to said sets of said wrappers across the line of fold therein, whereby from an inspection of the top of a file drawer, all files containing a particular design may be readily purged.

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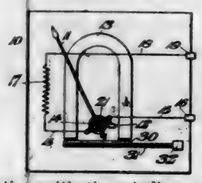
1,564,933. TEMPERATURE-COMPENSATED ELECTRICAL MEASURING INSTRUMENT. RICHARD P. BROWN, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 20, 1922. Serial No. 538,113. 1 Claim. (Cl. 73—32.)



The combination with the winding, pointer and scale of an electric pyrometer, of thermostatically actuated means for relatively adjusting said pointer and scale in response to changes in the temperature surrounding the meter, and separate thermostatically actuated means for adjusting said meter to compensate for the tendency of variations in said temperature to vary the extent of movement of said pointer along said scale occurring when a given electromotive force is impressed on said winding.

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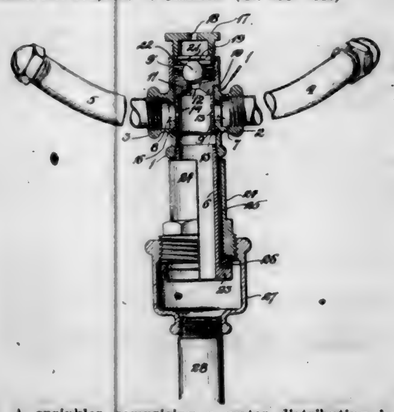
1,564,934. SPRINKLER. GUADALUPE BUELNA and HENRI EUGENE JEREMIE VACHER, Santa Barbara, Calif.; said Buelna assignor to said Vacher. Filed Oct. 29, 1923. Serial No. 671,339. 6 Claims. (Cl. 299—69.)



1. A sprinkler comprising a water distributing head, a water supply stand pipe, a means for associating said distributing head with said stand pipe to have rotatory



movement relative to said stand pipe, said distributing head having lateral branches and reduced passageways communicating with said branches, sprinkler arms adjustably carried in said branches and disposed with respect thereto to effect rotation of said sprinkler head, a tubular valve member within and connected with said sprinkler head said valve member movable with and independently of said head to control the supply of water to said sprinkler arms said tubular valve member formed with a vertical passageway and a valve housing, a valve within said housing and a water nozzle adjustable in said housing to control the supply of water to said nozzle.

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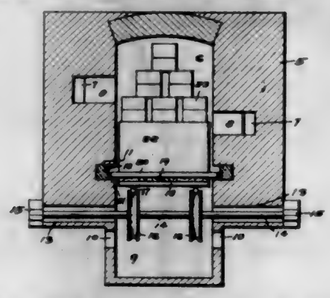
1,564,935. TRAVELING SUPPORT FOR KILNS. WILSON L. BURLEY, Crooksville, Ohio. Filed Jan. 15, 1925. Serial No. 2,672. 1 Claim. (Cl. 25—142.)



A kiln chamber provided in its side walls with longitudinal grooves, the kiln chamber being continuous from points above and below the grooves, the bottom of the chamber continuing in a pit, said pit having side walls provided with air circulating openings and the chamber having transverse openings above the air circulating openings and beneath said grooves, said transverse openings leading into the pit and adapted to receive cooling air therefrom, transverse shafts extending through the transverse openings, wheels carried by the transverse shafts, a table arranged beneath the transverse grooves and above the wheels, rails secured to the lower surface of the table and engaging the wheels, a refractory slab mounted upon and insulated from the table and projecting outwardly beyond the same and entering the grooves, and heat insulating material within the grooves, the grooves and slab forming seals.

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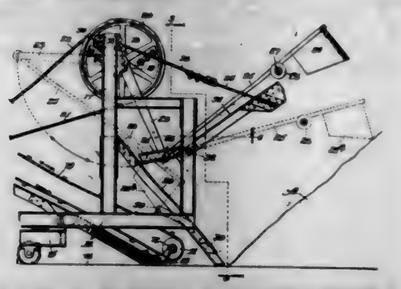
1,564,936. LOADING MECHANISM FOR CONVEYERS AND THE LIKE. WILFRED C. CADWELL, Anaconda, Mont. Filed July 26, 1922. Serial No. 577,552. 3 Claims. (Cl. 198—10.)



1. A loading mechanism for conveyers comprising a plate adapted to overlie a portion of the conveyer, a shaft adjacent the conveyer, a rocker arm secured to said shaft, a scraper hingedly connected to said rocker arm, a track at the side of said scraper inclined inwardly and upwardly, and a roller on the outer end of said scraper, said roller following said track to cause the scraper to be raised at the outer end of its stroke.

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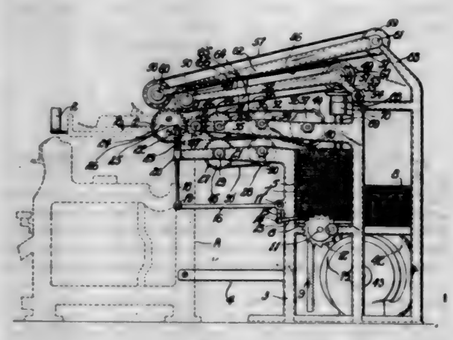
1,564,937. ENVELOPE FEED AND DELIVERY ATTACHMENT FOR TYPEWRITERS. LUCIUS M. CAMPBELL, St. Louis, Mo. Filed Jan. 26, 1925. Serial No. 4,733. 8 Claims. (Cl. 197—130.)



1. In a device for feeding envelopes to a typewriter and delivering them therefrom, the combination with the platen of the typewriter, of a frame structure embodying a supply receptacle and a receiving receptacle, means actuated by manually rotating the platen for elevating a stack of unaddressed envelopes a predetermined distance, means for advancing the top envelope of the stack to and between opposed conveyor belts for conveying the envelope to the platen and means for receiving the addressed envelopes as it is discharged from the platen and conveying it to a receiving receptacle.

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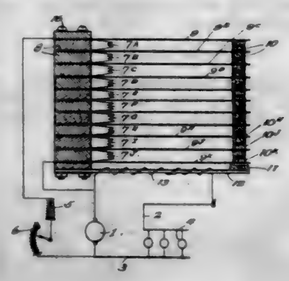
1,564,938. FIELD REGULATOR. PIERRE I. CHANDEYSSON, St. Louis, Mo., assignor to Marshall Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 29, 1922. Serial No. 557,373. 1 Claim. (Cl. 201—48.)



In a regulator, a resistance including a series of spaced spring fingers, a series of coiled resistance units interposed in the spaces between the respective fingers and having intermediate coils and tips engaged with adjacent fingers, insulating blocks interposed in the spaces between adjacent fingers and engaged with the tips of the resistance units, the tips being of such length so as to sup-

port the coils by and from their tips and close to the adjacent fingers so as to be housed by the latter, a button carried by each finger, and means to connect the fingers and the tips of the units to the blocks.

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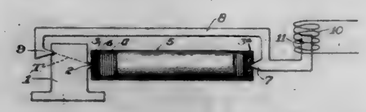
1,564,939. CARBON-PILE SUPPORT. PIERRE I. CHANDEYSSON, St. Louis, Mo., assignor to Marshall Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 13, 1922. Serial No. 594,387. 14 Claims. (Cl. 201—50.)



6. The combination with a compressible resistance medium whose rate of resistance variations is substantially a hyperbolic function of the compressing pressure applied to the resistance medium, of thrust means engaging one end of the resistance medium to resist a bodily movement of the said medium, a compressing member movably mounted with respect to the thrust means, and actuating means operatively connected to the compressing member for moving the latter at a rate which is also a hyperbolic function of the compressing pressure applied to the resistance through the compressing member by the movement of the latter.

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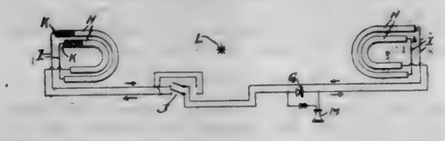
1,564,940. METHOD OF DETECTING THE PRESENCE AND APPROXIMATE LOCATION OF METALLIC MASSES. FRANK SPENCER CHAPMAN, Greensburg, Ind. Filed Nov. 12, 1919. Serial No. 337,481. 5 Claims. (Cl. 250—1.)



3. The method of decreasing undesirable reception of radio waves in an antenna having a loop circuit, which consists in substantially balancing the said circuit against the said reception, and shielding the said circuit by a radio-reflecting member.

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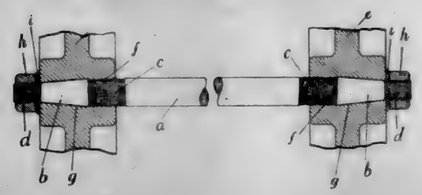
1,564,941. MEANS OF MOUNTING WHEELS OR PULLEYS ON AXLES OR SHAFTS. CHARLES HENRY CLARK, Salford, England. Filed Sept. 18, 1924. Serial No. 738,510. 1 Claim. (Cl. 287—53.)



In a wheel and axle mounting, an axle, a tapered portion on said axles, oppositely directed screw threaded portions of different diameters on each side of said tapered portion, a wheel hub having a screw threaded engagement with said screw threaded portion of larger diameter, a tapered portion on the hub engaging the tapered portion of the axle, and a nut engaging the screw threaded portion of less diameter.

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1,564,942. METHOD OF MAKING REENFORCING CORNER BRACKETS. CHARLES M. CLARKE, Sewickley, Pa. Filed Feb. 12, 1925. Serial No. 8,665. 3 Claims. (Cl. 76—113.)

3. In the manufacture of reenforcing brackets for D-handles of the class described from tubes, the steps consisting in first removing portions of a tubular section to provide an integral terminal ring and an extended side piece, and then bending the side piece to operative position against the ring.

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1,564,943. COTTON FABRIC HAVING A LINENLIKE FINISH RESISTANT TO WEAR AND WASHING. EDGAR RAYMOND CLARK, Pittsburgh, Pa., assignor to Milton S. Erlanger, New York, N. Y. Filed Mar. 1, 1923. Serial No. 622,223. 14 Claims. (Cl. 91—68.)

1. The method of treating cotton fabrics, which comprises impregnating the fabric with a viscose solution of low alkalinity, removing the excess solution and precipitating the cellulose from the viscose by treatment with a precipitating bath.

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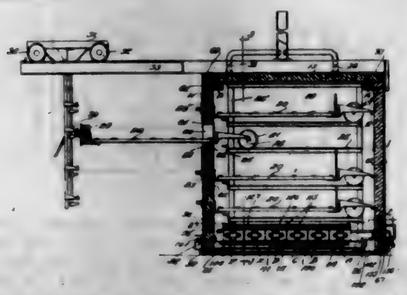
1,564,944. ATTACHMENT TERMINAL AND METHOD OF MAKING SAME. ALLAN B. COLBY, Providence, R. I., assignor to Rau Fastener Company, Providence, R. I., a Corporation of Rhode Island. Filed May 19, 1924. Serial No. 714,375. 5 Claims. (Cl. 113—116.)

1. An attachment terminal comprising a tubular structure having a relatively large portion at one end and a relatively small portion at the other, one of said portions being flattened and having a part thereof removed to form an open portion adapted to receive a binding post.



1,564,945. ELECTRIC CORE OVEN. FREDERICK A. COLEMAN, Cleveland, Ohio, assignor, by mesne assignments, to Carl W. Schaefer, Cleveland, Ohio. Filed Apr. 28, 1923. Serial No. 635,378. 10 Claims. (Cl. 219—35.)



1. In an electrically heated core oven, an electric heating element, wall, ceiling and floor members formed of heat resisting material and a contiguous outer metal skeleton individually supporting each of said members.

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1,564,946. DUMPING GRATE. FREDERICK A. COLEMAN, Cleveland, Ohio, assignor, by mesne assignments, to Carl W. Schaefer, Cleveland, Ohio. Filed June 11, 1923. Serial No. 644,728. 2 Claims. (Cl. 126—162.)

2. In a furnace, frame members disposed at either side of the ash opening, pivotal supports therefor, a pair of links carried by the frame members, a grate movably supported at one end by the links and at the other pivotally supported on a stationary axis and means comprising projections carried by the links engaging the frame members when swung past the critical line of support whereby the grate is held in raised position.

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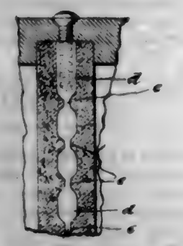
1,564,947. BUSHING CONSTRUCTION. LLOYD G. COPEMAN, Flint, Mich. Filed June 25, 1923. Serial No. 647,602. 1 Claim. (Cl. 72—105.)



In an article of the class specified, the combination of a moulded section of cementitious or frangible material, an anchor for fixtures or adjoining parts comprising a relatively thin gauge tube having a portion of its interior threaded and having a portion beyond such threaded interior flattened out so that the two walls are substantially doubled upon each other to increase the strength of the flattened portion and extended materially beyond the diameter of the threaded portion of the tube to materially increase the resistance against either a turning movement of the anchor or an extraction of the anchor from the moulded section by draft, and a screw or bolt turning into said thread section of the bushing to secure the fixture or adjoining part in place.

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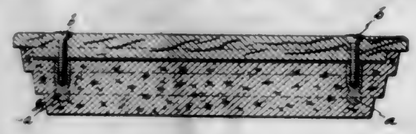
1,564,948. REFRIGERATOR DOOR. LLOYD G. COPEMAN, Flint, Mich. Filed Mar. 6, 1924. Serial No. 697,215. 2 Claims. (Cl. 20—35.)



1. A door, having an outer panel and an inner lining comprising a solid block of moulded heat insulating material secured to the panel and serving as the sole means of heat insulation for the door structure.

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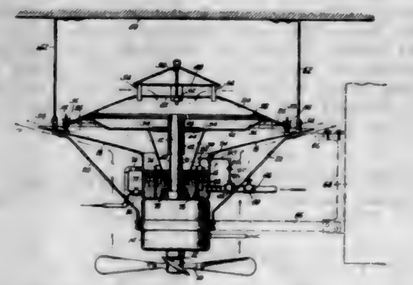
1,564,949. HUMIDIFIER. STUART W. CRAMER, Cramerton, N. C. Filed Dec. 13, 1924. Serial No. 755,662. 25 Claims. (Cl. 183—22.)



1. A method of humidifying an atmosphere, which comprises forming a mist of water and a slowly moving current of air and then conveying and throwing said air and mist to and into another separately produced and more rapidly moving draught of normally conditioned air.

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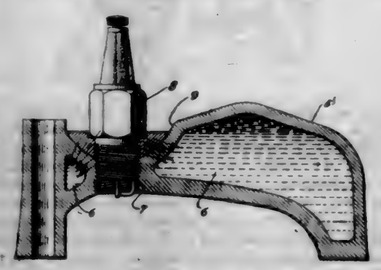
1,564,950. SPARK-PLUG-COOLING DEVICE. EDWARD T. CURRAN, Detroit, Mich. Filed July 18, 1921. Serial No. 485,459. 4 Claims. (Cl. 123—169.)



1. A spark plug cooling device embodying a conducting member one side of which is shaped complementarily to the depression in a cylinder head from the base of which

depression a tapped spark plug hole of the cylinder head extends, said member being provided with an opening substantially equal to the diameter of said tapped hole, whereby the threaded shank of the spark plug may be passed through said opening and screwed into the tapped hole in the cylinder head to bring the plug to a seat on said member and simultaneously force said member to a seat in said recess.

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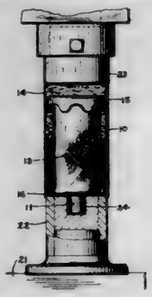
1,564,951. MANUFACTURE OF DRY CELLS. HAROLD DE OLANETA, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut. Filed May 7, 1920. Serial No. 379,514. 12 Claims. (Cl. 136—175.)



1. The method of making a dry cell having a containing cup, a cartridge, and a flexible washer positioned above the cartridge, which comprises introducing a measured quantity of paste into the bottom of the cup, then squeezing the cartridge into the paste, and utilizing the flexible washer to arrest the displacement of the paste, by positioning such washer against the upper end of the cartridge while the squeezing operation takes place.

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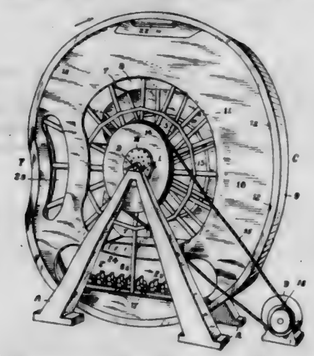
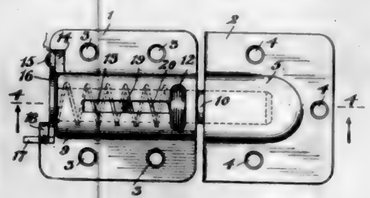
1,564,952. ROTARY AMUSEMENT DEVICE. JOHN A. FISHER, Sandusky, Ohio. Filed June 11, 1924. Serial No. 719,296. 27 Claims. (Cl. 104—77.)



1. In an amusement device, the combination of a structure mounted to revolve on a horizontal axis and provided with a vertically disposed and continuous internal track revolving with the structure, a traveling element mounted on said track and tending normally to occupy the low point of the latter, the friction between the track and the travelling element imparting an oscillation to the latter in relation to the low point of the former, and inter-engaging clutch mechanism carried by the track and the car whereby the track intermittently picks up the travelling element and carries it upwardly for a limited distance and a variable oscillation of the element is thus obtained.

1,564,953. LOCK. ABRAHAM E. GERTSFELD, New York, N. Y. Filed July 7, 1925. Serial No. 41,942. 3 Claims. (Cl. 292—145.)



1. An article of the class described comprising a lock casing, a spring pressed bolt therein, said bolt being capable of having its rear end moved out of the back of the casing, a hinged member adapted to act as an abutment against the rear end of the bolt to prevent such movement, said bolt being provided with a transverse slot into which the hinged member may be positioned when a portion of the bolt has been projected out of the casing.

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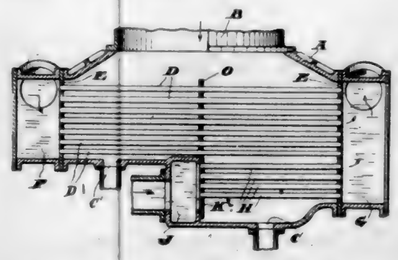
1,564,954. SURFACE CONDENSER. JOHN E. GOODWILLIE, Brooklyn, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 11, 1925. Serial No. 22,250. 3 Claims. (Cl. 257—43.)



1. A surface condenser, comprising a steam inlet and an outlet for condensate, longitudinal water tubes extending through the casing transverse to the direction of flow of the steam, and means for increasing the steam condensing capacity of the warmer end of the condenser to substantially equal the steam condensing capacity of the cooler end.

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1,564,955. PROCESS FOR THE MANUFACTURE OF SOLUBLE-STARCH PRODUCTS. ROBERT HALLER, Grossenhain, Germany, assignor to Chemische Fabrik Pyrgos, Radebeul-Dresden, Germany, a Corporation of Germany. Filed Feb. 24, 1925. Serial No. 11,345. 17 Claims. (Cl. 127—33.)

1. The process of rendering starch soluble, said process comprising acting upon starch with a chloramide.

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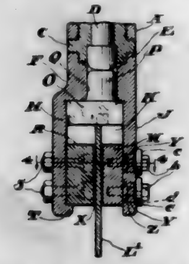
1,564,956. PILE-DRIVER ATTACHMENT FOR ROCK DRILLS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 7, 1925. Serial No. 48,760. 3 Claims. (Cl. 61—73.)

1. In a pile driver attachment for a fluid actuated rock drill of the hammer type, having a cylinder and a reciprocatory hammer piston in the cylinder, the combination of a front head adapted to be secured to the cylinder having a pair of parallel walls, a rectangular driving block in the front head slidable between the walls, a projection on the driving block to receive the blows of the hammer piston and for preventing endwise movement of the driving block, a cheek plate for preventing ejection of the





driving block from the front head and for engaging a pile, and a flange on one of the walls for supporting the cheek plate.

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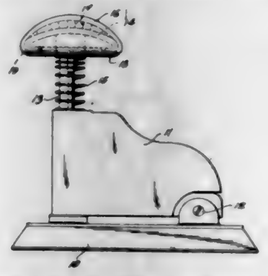
1,564,957. CUSHION CAP FOR STAPLING MACHINES AND THE LIKE. ROMAN H. HEYN, Westport, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Dec. 10, 1924. Serial No. 754,960. 2 Claims. (Cl. 1—2.1.)



2. A cushion cap for stapling machines and the like comprising an integral one-piece dome shaped member of flexible resilient material having spaced, solid, flexible cushioning lugs projecting inwardly from the inner surface thereof and gradually decreasing in height from the center toward the side edges of the cap, said lugs being of such dimensions as to support the cap under a blow and to return the cap to normal position immediately after the pressure is relieved, and an inwardly extending flexible rubber securing flange on the under side of said cap for securing it to the operating head of a stapling machine and the like.

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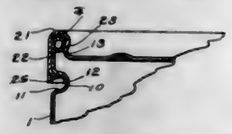
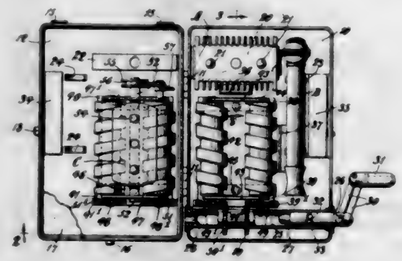
1,564,958. CAN CLOSURE. EDWARD HILDEBRANDT and HAROLD HILDEBRANDT, Tacoma, Wash. Filed Dec. 27, 1923. Serial No. 682,967. 1 Claim. (Cl. 220—42.)



A can having a downwardly directed ledge and an adjacent upwardly directed ledge near one end, a flanged friction cap fitting upon this end, the edge of the cap flange having a pair of adjacent cuts defining a lug whose edge is substantially continuous with the flange edge, said flange edge, when the cap is in place, lying between said ledges, and the lug being bent beneath the downwardly directed ledge.

1,564,959. CONTAINER FOR DOUBLE-EDGED SAFETY RAZORS. JOHN HOLTZMAN, New York, N. Y. Filed Dec. 2, 1921. Serial No. 519,338. 15 Claims. (Cl. 51—84.)



1. A safety razor sharpener comprising a hollow body, having a hollow cover hingedly engaged therewith, cushion surfaced spring mounted rolls arranged in pairs in said body and cover to hold a razor blade, means to prevent said rolls from rotating when said cover is raised, and means of rotating said rolls when said cover is closed.

10. A safety razor blade sharpener comprising a pair of hollow bodies hingedly engaged with each other, a bracket secured in each of said bodies, springs supporting the ends of each bracket, a pair of sharpening rolls revolvably mounted in each bracket, a spur gear secured to each of the rolls so when said hollow bodies are closed the pair of rolls are brought into close proximity, said gears being out of mesh when said bodies are opened, means on the ends of said springs to automatically engage said gears upon separating the bodies a blade holder supported intermediate said rolls and having blade positioning members for causing both edges of the blade held thereby to be exposed to said sharpening rolls, and means extending outside of the body to operate said rolls, said rolls being effective when operated in one direction only.

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1,564,960. TOOL. WILLIAM HORSMAN, Detroit, Mich. Filed Nov. 19, 1928. Serial No. 675,530. 1 Claim. (Cl. 81—5.1.)

A tool of the class described, comprising a handle; a pair of arcuate jaws relatively movable and adapted for engaging each other at an edge, each of said jaws, on its outer surface, adjacent the meeting edge, being provided with a flat, each of said jaws having a plurality of semi-circular notches formed in said edge, each notch in one of said jaws forming with a co-operating notch in the other jaw, a circular opening, the several notches in each jaw being of various sizes, said jaws extending transversely of said handles, and projecting outwardly at opposite sides thereof.

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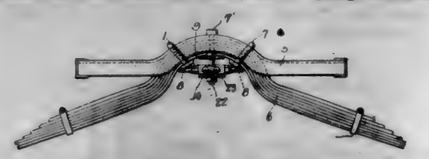
1,564,961. TRAILER DRAFT GEAR FOR AUTOMOBILES. FRANK B. KANE, Reddick, Ill. Filed Apr. 7, 1924. Serial No. 704,563. 4 Claims. (Cl. 280—33.9.)

1. A trailer draft gear for automobiles, comprising, in combination, a generally rectangular yoke adapted for attachment to and beneath the rear transverse spring

of an automobile, a draw-bar slidably mounted in the front and rear limbs of said yoke, a spring encircling



said draw-bar and abutting at one end against said yoke, and means fast on said draw-bar forming an abutment for the other end of said draw-bar spring.

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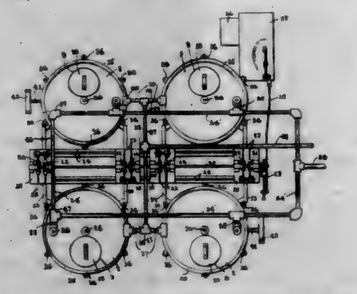
1,564,962. HOLDER FOR PASTEURIZING MILK, CREAM, AND OTHER LIQUIDS. FRANK W. KELLY and ALEX H. LUEDICKE, Milwaukee, Wis. Filed Jan. 27, 1923. Serial No. 615,404. 9 Claims. (Cl. 137—21.)



2. A pasteurizing apparatus, comprising one or more jacketed tanks, and means for each tank operative to fill and empty each tank at predetermined intervals and in a predetermined sequence, said means permitting the adding of additional tanks to the apparatus.

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1,564,963. SELF CLEANING SPRAY HEAD. JOHN F. KIRGAN, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 3, 1923. Serial No. 655,390. 1 Claim. (Cl. 299—59.)

A spray head for spraying liquids, comprising a divided body having a tortuous passage therethrough and having an inlet end adapted to be connected to a liquid discharge line, said body including a relatively stationary section and an opposite separate movable section in the form of a leaf pivoted to the stationary section, semi-circular lips having smooth surfaces formed on said sections in position to define a semi-circular outlet opening across an end of the spray head in a plane of the axis of said inlet, and means for adjusting the movable section whereby to vary the size of the outlet opening.

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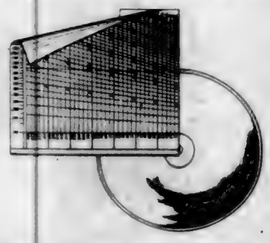
1,564,964. FILM MEASURING CHART. CHARLES A. KNIBLING, Cleveland, Ohio. Filed Aug. 6, 1923. Serial No. 655,863. 2 Claims. (Cl. 33—1.)

1. A scale for the purpose described comprising a rule member having distinctive series of graduations formed along the marginal edges thereof, each series corresponding to selected rates of film projection in feet per minute and which when directly compared to the depth of film on a reel as measured radially from the circumference



of the hub to the outside circumference of the film on the reel indicates directly in minutes, the total time required to project the film on the reel at a selected rate of projection.

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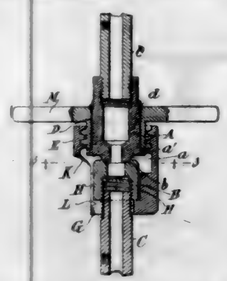
1,564,965. PIPE COUPLING. HENRY PHILLIP KRAFT, Ridgewood, N. J.; Edgar J. Phillips and Earl A. Darr executors of the will of Henry P. Kraft, deceased. Filed Apr. 21, 1923. Serial No. 633,707. 2 Claims. (Cl. 285—148.)



1. In a coupling, two complemental members having co-operating seating faces adapted for limited relative longitudinal movement, a housing carried by one of the members adapted to laterally receive through its side the other member, the internal wall of the housing and the external wall of the second member having co-operating surfaces for preventing relative rotation between the housing and said second member when the complemental members are moved longitudinally with respect to one another, and means on the housing adapted to co-operate with both members to cause such relative longitudinal movement, said means comprising a sleeve swiveled to the first member and having a screw-threaded connection with the housing.

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1,564,966. HAND BAG. ABRAHAM KULICK, New York, N. Y. Filed Dec. 18, 1924. Serial No. 756,659. 3 Claims. (Cl. 150—28.)

1. A hand bag, having a body portion of one piece of material forming the front, back and cover portions, an internal partition comprising a pocket composed of adjacent strips of material stitched along their opposite edges to the body of the bag, one of said strips being longer than the other to form a flap to engage over the front of the bag, both strips being folded to close the mouth of the pocket along a line short of the end of the shorter strip.

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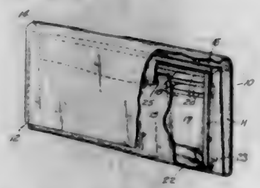
1,564,967. HAND BAG. ABRAHAM KULICK, New York, N. Y. Filed Jan. 9, 1925. Serial No. 1,392. 5 Claims. (Cl. 150—28.)



1. In a bag of the character described, the combination of a withdrawable bill folder normally coincident with one entire wall of the bag, and a collapsible strip of flexible material coincident in width with the folder for connecting the folder to the bag, said folder having separate compartments so arranged as to become successively accessible as the strip is uncollapsed.

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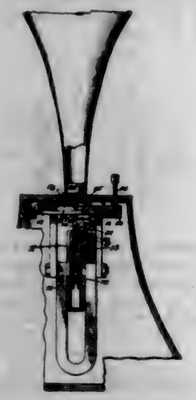
1,564,968. SOUND-REPRODUCING DEVICE. NATHAN A. KURMAN, New York, N. Y. Filed Dec. 2, 1922. Serial No. 604,632. 13 Claims. (Cl. 179—108.)



1. An apparatus of the character described, comprising a sound-responsive member, a diaphragm, and means acting on said member to counterbalance the magnetic forces acting thereon; said diaphragm when inactive being unstressed, substantially as specified.

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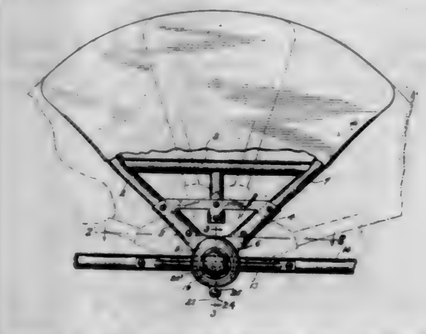
1,564,969. VEHICLE-HOOD FIXTURE. MARSHALL B. LLOYD, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 4, 1921. Serial No. 512,760. 1 Claim. (Cl. 296—110.)

A device of the kind described embodying therein a supporting rod, a body fixture including a flat face portion having oppositely disposed bifurcated arms adapted to straddle said rod and an extension, a hood fixture element also having a flat face portion coacting with the similar portion on the body fixture element, a concavo-convex tension member engaging at its edges with said hood fixture element and having an extension in line with the extension on said body fixture element, one of said extensions having a notch therein, a member fixed in the other extension and extending into the notch in the first extension to hold the tension member against



rotation, a bolt operatively engaged with the rod and extending through said elements and tension member and a nut threaded on said bolt for adjusting the tension of said tension member.

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1,564,970. ADHESIVE. WILLIAM R. LONG, St. Louis, Mo. Original application filed Sept. 24, 1924, Serial No. 739,707. Divided and this application filed Feb. 28, 1925. Serial No. 12,451. 2 Claims. (Cl. 127—38.)

1. A method of treating cornstarch which consists in adding hydrochloric acid and water to cornstarch and permitting it to remain thus for a period ranging between twenty-four and forty-eight hours, then placing it in a converter in which it is agitated, subjected to heat and to steam pressure.

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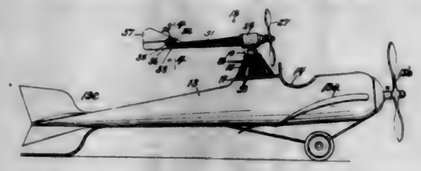
1,564,971. STABILIZER FOR AEROPLANES. MARTIN PEARSON, Los Angeles, Calif. Filed Mar. 16, 1925. Serial No. 15,980. 5 Claims. (Cl. 244—25.)



1. The stabilizer for aeroplanes set forth comprising a support adapted to be secured to an aeroplane; a spindle carried by said support; a housing secured to said spindle; a tail secured to said housing; a cage at the tip end of said tail; electrical contacts in said cage; a ball in said cage for causing said contacts to engage; a motor in said housing; a propeller secured to the shaft of said motor; and means for actuating said motor when said contacts are engaged.

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1,564,972. AIRCRAFT. MARTIN PEARSON, Los Angeles, Calif. Filed Apr. 27, 1925. Serial No. 26,216. 6 Claims. (Cl. 244—19.)

1. The aircraft set forth comprising a frame; supports arranged around and attached to said frame; guide wheels carried by said supports; inner and outer floating

gears arranged in the same plane that are supported by said guide wheels; means for rotating said gears around a common axis; and propeller means attached to said gears for lifting said aircraft when said gears are driven.

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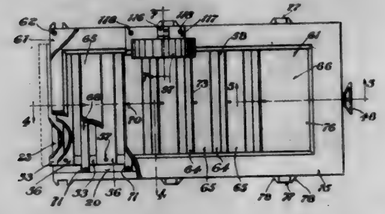
1,564,973. ASSORTING MACHINE. JOSEPH B. PERRY, Providence, R. I., assignor of one-half to Harry Fowler, Providence, R. I. Filed July 17, 1925. Serial No. 44,253. 7 Claims. (Cl. 209—98.)



1. In an assorting machine, an open bed frame, a frame slidably supportedton the bed frame, cross bars on the slidable frame, a stationary plate supported by the bed frame, cross bars on the stationary plate, shoulders on the second cross bars projecting intermediate the first cross bars, and an operating screw connecting the two frames.

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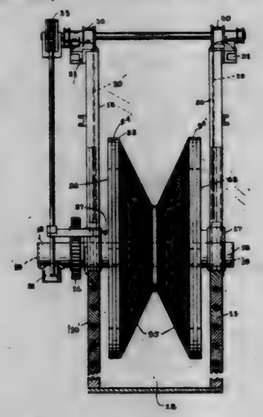
1,564,974. WASHER CYLINDER FOR PAPER-PULP MACHINES. EMIL A. PETERSON, Appleton, Wis. Filed Aug. 16, 1922. Serial No. 582,236. 4 Claims. (Cl. 141—12.)



1. A pulp working apparatus comprising a support, a hollow shaft mounted in said support, a foraminous cylinder formed from a plurality of segments, triangular in cross section rotatably mounted on said shaft and provided with a circumferential groove about its periphery, means for rotating said cylinder, and means for transferring water passing to the interior of said cylinder to said hollow shaft.

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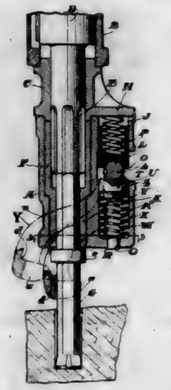
1,564,975. STEEL RETAINER. WILLIAM PRELLWITZ, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 11, 1923. Serial No. 662,035. 3 Claims. (Cl. 121—32.)

1. In a steel retainer for rock drills, the combination of a front head having a single forward recess and a single rearward recess, a drill steel supported by the front head, a yoke pivoted on one side of the front head for retaining the steel within the front head, said yoke being provided with a single cross piece, connecting the sides of the yoke, a grooved bearing head arranged slid-



ably within the forward recess to support the yoke, a plurality of springs to support the bearing head, and a spring pressed plunger having a concave face cooperating with the cross piece to hold the yoke in retaining and releasing position.

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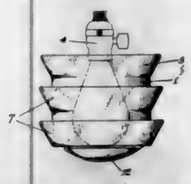
1,564,976. VERMIN TRAP. LOUIS A. SAUER, Willows, Calif. Filed Oct. 29, 1921. Serial No. 511,474. 7 Claims. (Cl. 43—113.)



1. A trap including with a source of artificial light and heat, a casing surrounding said source, and formed of a translucent and heat-conducting material, said casing being closed at its upper end and open at the bottom, vertically disposed trapping pockets provided with the casing on the outside thereof, an inverted reflector and trapping bowl mounted at the lower end of the casing and of lesser periphery than the latter, and an upwardly inclined flange on the inside of the casing just above the bowl and overhanging the same.

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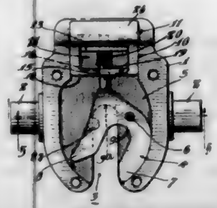
1,564,977. ELEVATOR. WILLIAM P. SCHLINGER, Oxnard, Calif. Filed June 16, 1923. Serial No. 645,804. 4 Claims. (Cl. 294—91.)



2. A rod elevator comprising a body having a receiving way, a closure member for the way, a dog, spring means yieldingly urging the dog against the closure member, and a control member for withdrawing the dog from the closure member, said member being shiftable in a direction tending to pull the elevator away from the rod.



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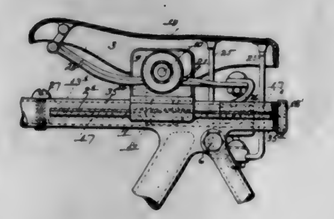
1,564,978. CYCLE SADDLE. JOHANNES T. SENTROP, Jr., Grand Rapids, Mich. Filed Sept. 25, 1922. Serial No. 590,541. 5 Claims. (Cl. 208—61.)



1. In a vehicle of the character described: a frame; a carrier supported by, and having a reciprocatory movement on, the frame in its longitudinal direction; a saddle supported on the carrier turnable in a vertical plane parallel with said direction.

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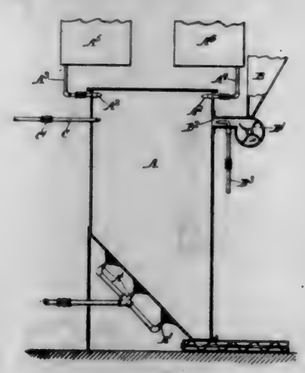
1,564,979. PROCESS OF MANUFACTURING STARCH PRODUCTS. PHILIP A. SINGER, Milwaukee, Wis. Filed Jan. 31, 1917. Serial No. 145,600. 11 Claims. (Cl. 127—38.)



3. The process of treating starch which includes projecting a liquid spray which contains starch into a highly heated reaction chamber in the presence of a reagent, and allowing the reagent to act upon the starch, while the minute starch bodies are suspended in a gaseous medium within the reaction chamber.

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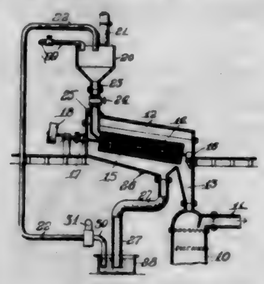
1,564,980. METHOD AND MEANS FOR INTRODUCING MATERIAL INTO A CHAMBER. PHILIP A. SINGER, Glen Ellyn, Ill. Filed Sept. 22, 1922. Serial No. 589,955. 14 Claims. (Cl. 214—17.)

1. The method of introducing solid material of the character described from the outer air into the treating portion of a treating chamber while maintaining the chamber substantially free of outer air introduced with the material which comprises simultaneously introducing into a separating portion of the chamber the material to be introduced into the treating portion thereof and also a body of liquid in which the material is carried into the chamber, separating the solid material from the liquid before the solid material is introduced into the



treating portion of the chamber, and then introducing the solid material into the treating portion of the chamber.

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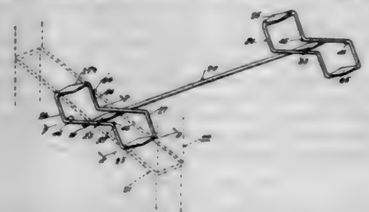
1,564,981. CONCRETE-FORM TIE AND SPACER. DAVID BAKER SMITH, Los Angeles, Calif. Filed Apr. 4, 1925. Serial No. 20,756. 18 Claims. (Cl. 25—131.)



1. A device of the character described, embodying a tension rod, and a board engaging loop carried at the end of the rod, there being in the loop formation at the end of the rod two spaced portions adapted to pass between adjacent edges of form boards or the like.

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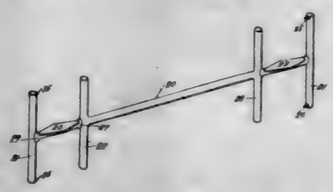
1,564,982. CONCRETE-FORM TIE AND SPACER. DAVID BAKER SMITH, Los Angeles, Calif. Filed Apr. 4, 1925. Serial No. 20,757. 7 Claims. (Cl. 25—131.)



1. A device of the character described, comprising a tension rod adapted to extend across a concrete form and having at its end a flat part adapted to pass between adjacent edges of abutting form boards, a board engaging head formation extending on opposite sides of the plane of said flat, and means at the ends of said head formation adapted to pierce and engage a form board to prevent displacement of the device, as described.

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1,564,983. SURGICAL CATGUT THREAD. ANGELO L. SOMMI, New York, N. Y. Filed Nov. 15, 1921. Serial No. 515,339. 4 Claims. (Cl. 128—335.5.)

1. The method of preparing catgut for surgical use which consists in artificially coloring the catgut to a relatively dark color by means of a fast, non-poisonous,

non-irritating dye, and then sterilizing the dyed catgut by subjecting the same to a temperature of less than 90° C. so that the sterilized and dyed catgut will retain its natural resiliency undiminished.

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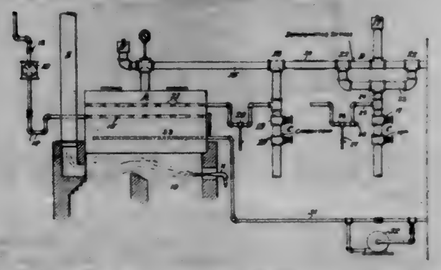
1,564,984. APPARATUS FOR REFINING PETROLEUM. WILLIAM H. STILSON, New York, N. Y., assignor to Stilson Process Corporation, Dover, Del., a Corporation of Delaware. Filed Jan. 20, 1920. Serial No. 352,756. 4 Claims. (Cl. 196—138.)



3. A means for collecting condensates in petroleum refining aparatus, comprising in combination, a vapor line, a dephlegmating by-pass associated therewith comprising a pair of T's disposed in said vapor line in spaced relation, a branch connection below the vapor line connecting said T's, a pipe depending from said branch connection, a carbon trap in said pipe having a plurality of valves adapted to be manipulated to permit the withdrawal of the carbon, and a connection above the carbon trap for withdrawing the condensate collected.

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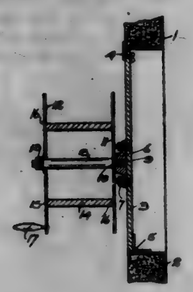
1,564,985. HOSE-REEL DEVICE. JOHN A. N. STOMBERG, Detroit, Mich. Filed June 29, 1925. Serial No. 40,188. 3 Claims. (Cl. 242—86.)



1. A hose reel device comprising a frame adapted to be built into a wall of a building, a door-like member pivotally mounted in said frame, and a hose reel so mounted on said member that when the latter is in closed position the hose reel may be rotated substantially vertically within the building, and when the said member is in open position the hose reel may be rotated substantially horizontally and is disposed partly outside the building.

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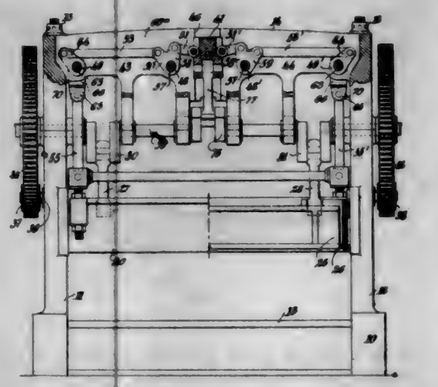
1,564,986. DRAWING PRESS. GUSTAVE R. THOMPSON, New York, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed Mar. 22, 1923. Serial No. 626,849. 9 Claims. (Cl. 113—38.)

1. A drawing press comprising a crank-shaft, a blank-holder or die slide, said means comprising rocking parts at each side of the press turning on axes transverse of said crank-shaft, toggles between said rocking parts and said blank-holder slide, a second rocking part mounted the middle of the press turning on an axis parallel with those of said first-named rocking parts, connections between said first and second-named rocking parts for transmitting movement from the latter to the former, and means connected to an intermediate part of said crank-shaft for rocking said second rocking part.



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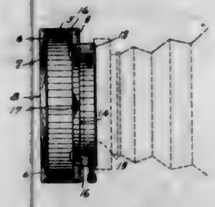
1,564,987. LENS SHADE FOR CAMERAS. JAMES A. TURNER, Seattle, Wash. Filed Sept. 27, 1923. Serial No. 665,116. 4 Claims. (Cl. 88—1.)



1. The combination with a camera lens, of a lens shade embodying a drum of larger diameter than the camera lens and relatively short as compared to its diameter and having an inwardly directed flange at each end, each flange having a centrally arranged circular opening, the width of the front flange being substantially equal to the length of said drum and the distance between said flanges being less than the length of said drum to prevent reflection of light from the interior of said drum into the camera lens.

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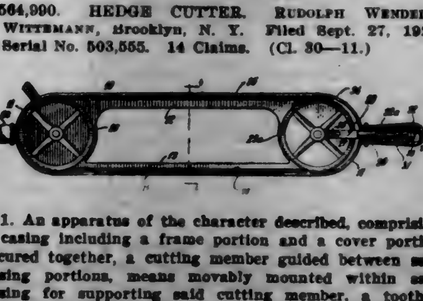
1,564,988. AEROPLANE. FRANK L. WATSON, Flagler, Colo., assignor of one-twentieth to David V. Rowden, Flagler, Colo., and one-twentieth to Harry Beason, Lincoln, Nebr. Filed Apr. 28, 1925. Serial No. 26,447. 4 Claims. (Cl. 244—15.)

1. In an aeroplane, a fuselage, a driven shaft within the fuselage and extending transversely thereof, a propeller driven from the shaft, an arcuate track providing a guide for the propeller shaft, means for shifting the propeller shaft about said drive shaft from a position where it is horizontally disposed to a position where it is vertically disposed including a yoke rotatably embracing the drive shaft and having bearings for the propeller shaft, said yoke including a segment gear, a worm associated with the segment gear for rotating



the yoke about the drive shaft and means at opposite ends of the track for locking the propeller shaft at either end of the track.

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1,564,989. RECEPTACLE FOR AUTOMOBILES. DAVID WEISBERGER, New Rochelle, N. Y. Filed Feb. 4, 1925. Serial No. 6,691. 1 Claim. (Cl. 224—29.)



In a device to be attached to a closed body motor vehicle having a window and frame therefor, a bracket comprising telescoping parts, said telescoping parts being relatively wide and covering a relatively large area, whereby marring of the frame is prevented, one of the telescoping parts having a lip adapted to be inserted between the window and frame, and the other part being adapted to grip the frame and provide a support for a receptacle.

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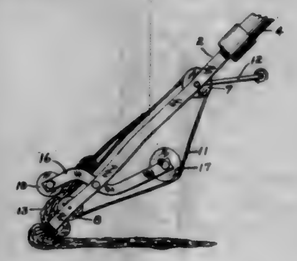
1,564,990. HEDGE CUTTER. RUDOLPH WENDELIN WITTEMANN, Brooklyn, N. Y. Filed Sept. 27, 1921. Serial No. 503,555. 14 Claims. (Cl. 30—11.)



1. An apparatus of the character described, comprising a casing including a frame portion and a cover portion secured together, a cutting member guided between said casing portions, means movably mounted within said casing for supporting said cutting member, a toothed portion on said casing cooperating with said cutting member, and means for actuating the supporting means for said cutting member, substantially as specified.



1,564,991. MOP. HARRY B. WOLFE, Oakland, Calif., assignor of one-half to Rudolf Wedler, Ione, Calif. Filed Aug. 27, 1923. Serial No. 659,527. 6 Claims. (Cl. 15—119.)



1. A mop comprising a rectangular frame, a pair of rolls mounted in spaced parallel relation in said frame, an endless belt passing around said rolls, a mopping cloth secured adjacent one end to said belt and adapted to move therewith over said rolls, and means actuated by said belt adapted to resiliently press against said cloth as it moves over one of said rolls.

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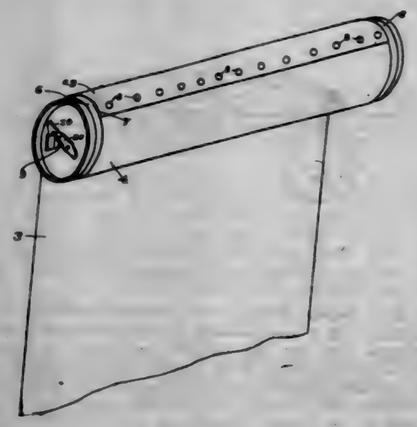
1,564,992. ROLLER-SHADE-FASTENING DEVICE. FRANK L. WOOD, Lynden, Wash. Filed Dec. 17, 1924. Serial No. 756,577. 2 Claims. (Cl. 156—25.)



1. In combination, a roller shade the inner end of which is adapted for fastening to one side of a shade roller, and a strip of fabric one edge of which is fastened to said inner end of said shade transversely therewith and proximate thereto adapted for fastening to the other side of said shade roller and together with said inner shade end embrace said shade roller and the junction of said strip and said shade adapted to roll up on said shade roller without folding either said shade or said strip.

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1,564,993. DASH RECEPTACLE FOR AUTOMOBILES. WILLIAM A. WOOD, Oakland, Calif. Filed Oct. 18, 1923. Serial No. 669,292. 2 Claims. (Cl. 40—10.)

1. A dash receptacle for automobiles comprising a casing having an opening at the front thereof, a receptacle hinged to said casing arranged to close said opening and comprising a portion arranged to lie within said

opening and a portion arranged to extend outwardly therefrom when the receptacle closes the opening, said receptacle provided with a slot in its edge wall which

is adapted to lie within and be closed by a wall of said casing when the receptacle occupies said opening and a transparent outer wall for said receptacle.

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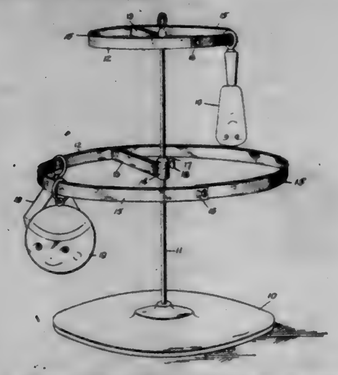
1,564,994. DISPLAY DEVICE. ARTHUR ZADEK, New York, N. Y. Filed June 23, 1925. Serial No. 38,967. 2 Claims. (Cl. 211—24.)



1. In a display device of the character described, the combination of a base member, an upright therefor, and adjustable rack for the upright, comprising a single piece of springy metal strip bent at its mid portion to form parallel portions having a loop at the inner end to embrace the upright and opposite curved portions adapted to be brought together at their ends to form an annular portion, and separable fastening means for the ends of said curved portions.

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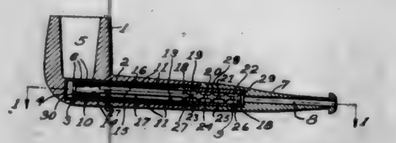
1,564,995. TENSION DEVICE. JOHN G. ALLEN, Philadelphia, Pa., assignor to A. W. Allen's Sons, Philadelphia, Pa., a partnership. Filed June 23, 1924. Serial No. 721,800. 2 Claims. (Cl. 242—149.)

1. In a tension device, a member having a thread engaging surface, and a second member cooperating therewith and having a plurality of thread openings whereby the tension on said thread can be varied in accordance with the opening selected.

1,564,996. PIPE. ALBERT BACKUS, St. Louis, Mo. Filed Jan. 14, 1924. Serial No. 686,133. 3 Claims. (Cl. 131—12.)



1. A pipe of the class described comprising a bowl, a stem extending from the lower part of said bowl and provided with a longitudinally extending passage arranged axially out of the stem and opening at its inner end into said bowl and at its outer end through the end of the stem, a metallic tubular lining fitted in said passage and provided with closed inner end and perforations adjacent the inner end communicating with the bowl, a bit having a smoke passage therethrough terminating at the end adjacent the stem in an enlarged recess, a metallic tube open from end to end and having one end fitted in the enlarged recess of the bit and in the open end of the first tube, the other end projecting within the first tube and terminating short of its closed end, the last-mentioned end of the second tube being provided with an outer surface having reduced portions to form a smoke passage between the first and second tubes, the second tube further having openings in its wall affording communication between the smoke passage between the first and second tube and the interior of the second tube, a plug fitting the end of the second tube to close the same, a stem projecting from said plug towards the outer end of the second tube, and smoke deflecting means carried by said stem.

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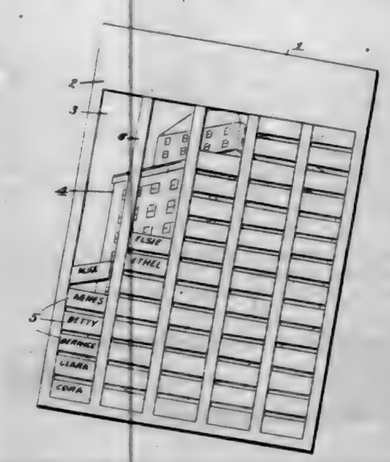
1,564,997. DEVICE FOR RECORDING SALES SUBSCRIPTIONS, ETC. WILLIAM M. BAKER, New York, N. Y. Filed Feb. 21, 1925. Serial No. 10,853. 4 Claims. (Cl. 273—139.)




1. In a device of the kind described, a body portion comprising layers of sheet material superposed on each other, the upper layer being partially cut into removable pieces fixed in position to prevent inspection of the inside of each and adapted to be released to permit inspection, said removable pieces being adapted to uncover a lower layer when removed and having inscribed



or printed on their outer surfaces suitably attractive legends and on their inner surfaces, characters distinguishing them from each other, said lower layer being provided with a reference to or representation of an object to which the device relates.

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1,564,998. SHAFT AND SLEEVE TYPE AUTOMOBILE SIGNAL. FREDERICK M. BALDWIN, Los Angeles, and GALUSHA A. BURGESS, Long Beach, Calif. Filed Oct. 20, 1923. Serial No. 669,728. 3 Claims. (Cl. 116—40.)

1. In an automobile signal, the combination of: a supporting structure; an extensible signal member supported on said structure; a tubular member extending rearwardly from said structure, said tubular member being arranged for extension through, and attachment to the wall of an automobile body; and torsional transmission means extending through said tubular member for operating said extensible signal member.

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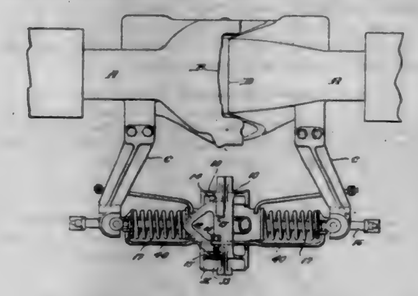
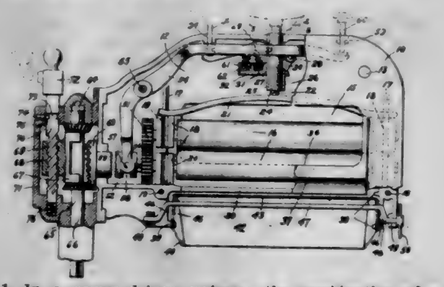
1,564,999. LOCK FOR AUTOMATIC CONNECTERS. MARTIN A. BARBER, Cleveland, Ohio, assignor to The American Automatic Connector Company, Wyoming, Del., a Corporation of Delaware. Filed Nov. 10, 1923. Serial No. 674,087. 4 Claims. (Cl. 285—24.)



1. In combination, an automatic connecter head, a support therefor, a universal joint between the head and the support including a spring seat, said head having a downwardly extending opening therein, a casing carried by the head adjacent the opening, a locking plunger slidably mounted within the casing, a spring associated with the plunger and tending normally to hold the plunger within the casing, said casing having lateral aligned openings therein, and a rigid member carried by the spring seat and extending through said lateral openings, said member having portions of different thickness in the region adjacent the casing whereby movement of the head with reference to the support causes the member to enter the casing and permits the spring to withdraw the plunger into said casing.

1,565,000. CLOTHES WRINGER. FREDERICK A. BARNES, Cleveland, Ohio, assignor to The Foote-Burt Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed Nov. 17, 1922, Serial No. 601,664. Divided and this application filed Aug. 28, 1924. Serial No. 734,563. 7 Claims. (Cl. 68—32.)



1. In a power driven wringer, the combination of a frame, rolls therein, a drive shaft, reversing gearing for connecting the drive shaft to the rolls, a clutch interposed between the gearing and the rolls, said clutch being biased to open position, a lever pivoted inside the frame for moving the clutch to closed position, and a handle projecting from the upper portion of the frame for holding the lever in position to maintain the clutch closed.

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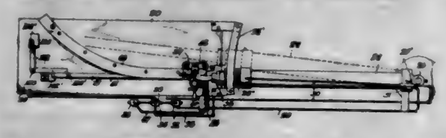
1,565,001. BENDING MACHINE. MATTHEW F. BAYER, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Feb. 28, 1921. Serial No. 448,475. 24 Claims. (Cl. 153—63.)



2. In a machine of the class described, a curved forming member, a corresponding curved guide, a bending head co-operating with said guide for bending an attenuated member around said forming member, and an actuator for moving said head along said guide and said forming member, said actuator being pivotally connected to said head to permit rocking of said head relative to said actuator.

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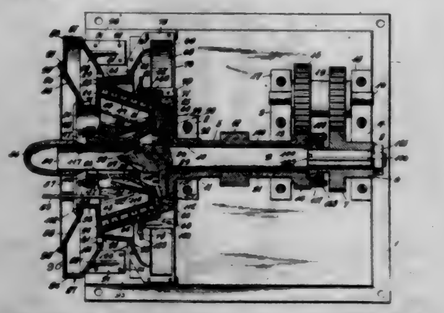
1,565,002. MACHINE FOR SEPARATING LIQUIDS FROM SOLIDS. HANS C. BEHR, Scarsdale, N. Y. Filed July 24, 1922. Serial No. 577,130. 25 Claims. (Cl. 210—69.)



23. In an apparatus of the character described the combination of a pair of foraminous cone shaped members placed one within the other, the outer member provided

with a plurality of rings of rotating fan blades; a plurality of receivers associated with said cone shaped members provided with stationary ring like edges in which said fan blades rotate to force air into said receivers.

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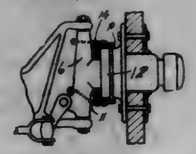
1,565,003. ADJUSTABLE HUB DUST GUARD AND MOUNTING. ROBERT M. BEMISDORFER, Des Moines, Iowa. Filed Sept. 12, 1925. Serial No. 55,977. 3 Claims. (Cl. 301—23.)



2. In a device of the kind described, semi-circular hub shields adapted to enclose the inner end of a vehicle hub, the said shield having rows of tabs formed along their edges adapted to be bent downwardly to form a packing box.

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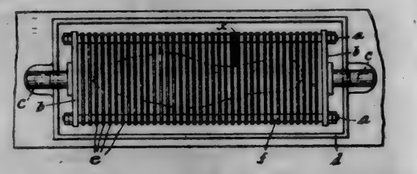
1,565,004. CEMENTING MACHINE FOR SHOE-BOTTOM LININGS. CARLOS H. BOWLEN, Haverhill, Mass., assignor to Irving L. Keith, Haverhill, Mass. Filed Nov. 20, 1923. Serial No. 675,860. 5 Claims. (Cl. 91—47.)



1. A machine for cementing shoe bottom linings comprising a horizontally disposed, vertically movable grid, composed of a series of suitably spaced transversely extending bars having cement carrying faces on their upper edges arranged in transverse alignment and sloping uniformly from the middle to each end thereof, to provide a longitudinally horizontal cementing surface having oppositely declining side portions, for partially folding the lining longitudinally as its under surface is cemented.

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1,565,005. SWIMMING GLOVE. NORMAN C. BRASHEAR, Los Angeles, Calif. Filed Feb. 26, 1925. Serial No. 11,676. 2 Claims. (Cl. 9—21.)

2. A swimming glove formed of thin flexible material, webs of thin flexible material arranged between the fingers and between the forefinger and thumb of said glove, those portions of the web that are connected to and located immediately adjacent to the thumb and finger portions of the glove being tangentially disposed with respect to the walls of said thumb and finger portions so as to cause said webs to tend to fold inwardly when the thumb and fingers of the glove are brought together and the outer edge of each web terminating in a reinforcing selvedge.

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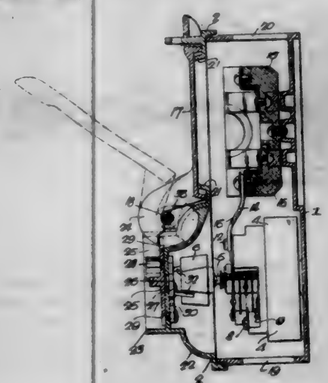
1,565,006. SAFETY SWITCH. JAMES F. BURNS, Philadelphia, Pa., assignor to V. V. Fittings Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 27, 1922. Serial No. 571,129. 5 Claims. (Cl. 200—50.)



3. The combination of a casing, a rotary snap switch mounted therein, a cover plate for the casing, a switch operating member carried thereby and operatively connected to the movable member of the switch, a door carried by the cover plate, cooperative means carried by the door and switch operating member for locking and unlocking the door according as the switch is closed or open, means to lock the switch operating member against retrograde movement at the "on" positions of the switch, and means to prevent retrograde movement of the operating member in case the switch closes before the operating member has reached said "on" position.

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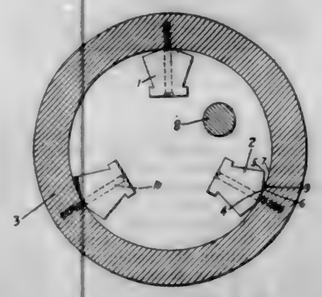
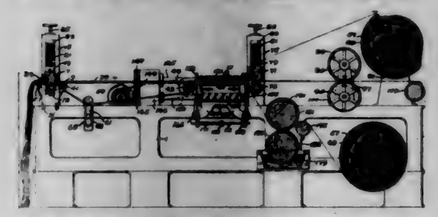
1,565,007. MOLD FOR CENTRIFUGAL CASTING. LEON CAMMEN, New York, N. Y. Filed Mar. 13, 1925. Serial No. 15,274. 4 Claims. (Cl. 22—65.)



1. A mold for centrifugal casting equipped with projection lugs made of pieces different from the barrel of the mold wherein the lugs are secured to the barrel by a continuous metallic joint.



1,565,008. MACHINE FOR APPLYING REENFORCING FILAMENTS TO FABRICS. CHARLES H. HOWARD, Saugus, Mass., assignor to Paper Products Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 28, 1919, Serial No. 319,353. Renewed July 13, 1923. 46 Claims. (Cl. 154—1.)



1. In a machine for reenforcing a paper fabric, the combination of paper feeding means for feeding a paper fabric to be reenforced, means for applying an adhesive to the paper fabric, and means for advancing a sheet of reenforcing filaments at a slower rate of speed than the surface speed of the paper fabric that the individual filaments may be pulled lengthwise relative to the sheet by the adhesive surface of the paper fabric and applied thereto in attenuated condition.

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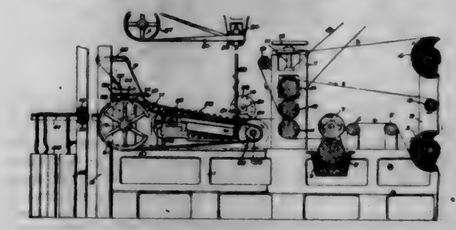
1,565,009. FABRIC OR PAPER REENFORCING MACHINE. CHARLES H. HOWARD, Cliftondale, and LEWIS SHARP, Attleboro Falls, Mass., assignors to Paper Products Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed June 24, 1920, Serial No. 391,433. Renewed Aug. 14, 1923. 37 Claims. (Cl. 154—1.)



1. In a machine of the character described, the combination of means for feeding a paper strip to be reenforced, means for feeding unspun fibres for application to the paper strip, means for attenuating the unspun fibres and placing them under tension on the paper strip, including a series of combs movable in different paths, and means for guiding the upper run of the combs along an oblique path to facilitate the projection of the comb teeth into engagement with the fibres, and withdrawing the teeth therefrom.

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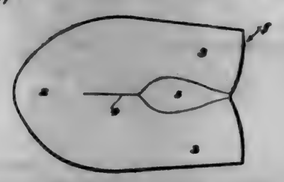
1,565,010. SHOE. MOE JACOB, New York, N. Y. Filed July 21, 1925. Serial No. 44,997. 1 Claim. (Cl. 36—48.)



A method of forming the complete upper of a shoe including the tongue which consists in cutting the material to form the body of the shoe upper and cutting from the said body an ankle opening and a slit extending forwardly from said ankle opening and then attaching the piece cut out to form the said ankle opening adjacent said slit to form a tongue.

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1,565,011. FLEXIBLE COUPLING. STEPHEN JENCICK, Cleveland, Ohio, assignor to Gustavus A. Schanze, Cleveland, Ohio; P. L. Schanze administrator of said G. A. Schanze, deceased. Filed Apr. 29, 1920. Serial No. 377,624. 7 Claims. (Cl. 64—96.)

2. A coupling member, comprising a flexible disc having a central opening, said disc being provided with reenforcing means around its periphery and the edge of said opening.

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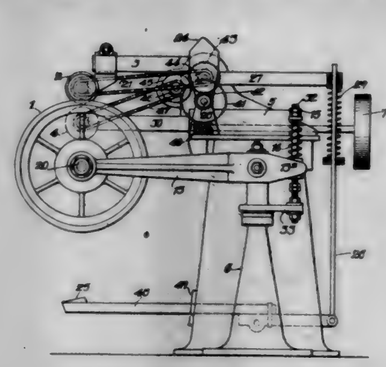
1,565,012. MANUFACTURE OF WHEELS. ARTHUR WILLIAM JONES, Birmingham, England, assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y., a Corporation of New York. Filed Jan. 16, 1925. Serial No. 2,920. 2 Claims. (Cl. 219—4.)



1. In the manufacturing of disc wheels, the method which consists in pressing two plates to form a body of such cross-sectional contour that they jointly form a hollow felloe portion, providing a rim having an inner annular projection, assembling the plates on opposite sides of said rim with the projection in engagement with said hollow felloe portion and electrically welding the felloe portion to said rim.

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1,565,013. WATER GAUGE. HARRY JORDAN, Carbondale, Pa. Filed June 23, 1925. Serial No. 39,085. 3 Claims. (Cl. 73—54.)

1. In a water gauge, the combination with a glass gauge tube, a fitting associated with each end thereof, each fitting being provided with a socket, and a threaded extension, said extension being provided with a bore which registers with the socket, the respective ends of

said tube adapted to fit against the bottoms of the respective sockets in registry with the aforementioned bores, a metallic collar surrounding the outermost ends

of the glass tube and engaging the bottom of the respective sockets, gaskets in each socket surrounding the respective portions of the glass tube, and packing nuts threaded in said socket.

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1,565,014. SWIVEL MANDREL. THEODORE T. KING, Oklahoma City, Okla., assignor, by direct and mesne assignments, of three-fourths to J. M. Watson, Oklahoma City, Okla., and one-fourth to F. B. Owen. Filed May 12, 1924. Serial No. 712,877. 8 Claims. (Cl. 255—26.)

2. In a tool of the class described, a socket, a swivel member disposed therein, and a cable securing member detachably interlocked with said swivel member by a bayonet slot and pin connection therewith.

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1,565,015. INTERNAL MANDREL FOR HEADERS. LOUIS F. KOELLNER, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 21, 1924. Serial No. 700,941. 20 Claims. (Cl. 153—78.)

1. An internal mandrel that is adapted to be arranged inside of a tube that is being deformed to produce a header, said mandrel being composed of a plurality of pairs of separable members arranged end to end and provided with die elements that are adapted to co-operate with external dies to form flat seat faces on the front

and rear sides of the header, and means for holding said members immovable or in rigid relation with each other during the deforming operation.

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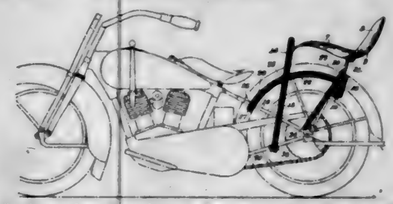
1,565,016. TANDEM ATTACHMENT. JAMES LAKE, Jr., Brooklyn, N. Y. Filed Mar. 25, 1925. Serial No. 18,199. 9 Claims. (Cl. 208—24.)



1. A tandem attachment for motorcycles comprising a frame made up of side bars provided with clips at their forward ends angled to fit the upper convergent frame bars of a motorcycle, a yoke connected to the rearward ends of the side bars and adapted to have the lower ends of the same secured to the fork of the motorcycle frame, uprights having means at the lower ends of the same for attachment to the lower frame bars of a motorcycle, said uprights being secured to intermediate portions of the side bars and connected at the top by a spacer forming a hand grip and a saddle yieldingly supported at its rearward end and having its forward end pivotally supported between the uprights.

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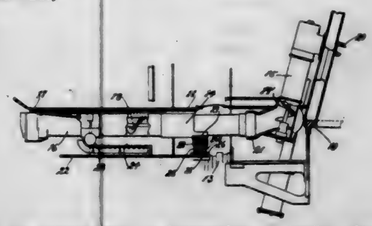
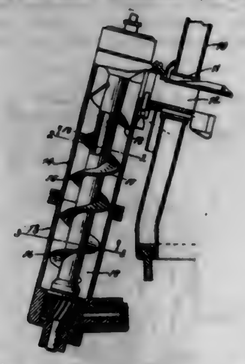
1,565,017. RESILIENT TROUGH SUPPORT. NATHAN M. LOWER, Pittsburgh, Pa., assignor to Locomotive Stoker Company, a Corporation of Pennsylvania. Filed June 14, 1924. Serial No. 720,141. 8 Claims. (Cl. 198—15.)



7. In combination, a locomotive, a tender therefor, stoker mechanism located in part on the tender and in part on the locomotive, and resilient means on the tender for supporting in part both of such sections of the stoker mechanism.



1,565,018. STOKER ELEVATOR. NATHAN M. LOWER, Pittsburgh, Pa., assignor to Locomotive Stoker Company, a Corporation of Pennsylvania. Filed Feb. 9, 1925. Serial No. 7,885. 6 Claims. (Cl. 198—15.)



1. In a stoker, an elevator casing, an elevator screw rotatably mounted in said casing, and means independent of said casing and associated with said screw for causing increased resistance between the fuel and the casing during the elevation of the fuel by said elevator.

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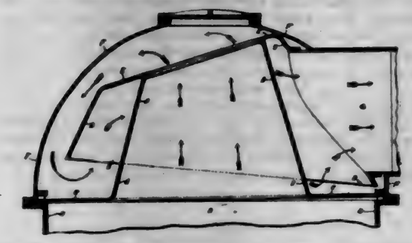
1,565,019. LIQUID TRAP FOR EVAPORATORS AND LIKE APPARATUS. JOHN MCNEIL and CHARLES MCNEIL, Glasgow, Scotland. Filed Dec. 18, 1923. Serial No. 681,414. 1 Claim. (Cl. 159—31.)



A liquid trap for evaporators having a diaphragm plate, an inner truncated conical shell with its base supported on said plate, and a like shell of greater mean diameter than the first named shell, in combination with a closure between the upper ends of the shells, said closure supporting the shell of greater mean diameter and forming an annular conoidal passage between the shells a casing enclosing the whole and a trunk connecting the annular space with the outlet from the whole.

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1,565,020. COLLAPSIBLE FAN. JOHN MARCH, Philadelphia, Pa. Filed Feb. 10, 1925. Serial No. 8,199. 5 Claims. (Cl. 230—33.)

1. In a fan construction, a handle, a collapsible frame pivoted to one end of said handle at one part and slidably connected to said handle at another part, and a cover arranged to fit over said frame in collapsed condition and to be distended in fan shape in operative position of said frame.

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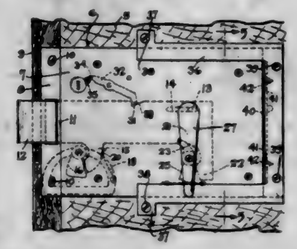
1,565,021. DOORLOCK. JULIUS MARMOROSKI, New York, N. Y. Filed Apr. 28, 1925. Serial No. 26,832. 3 Claims. (Cl. 292—138.)



1. A lock member comprising a base plate, a bolt slidable thereon and having an opening and cut outs therein, finger members disposed in said cut outs, one of said finger members being adapted to move the bolt longitudinally, and the other of said finger members being adapted to prevent longitudinal movement of the bolt, and means in said opening for guiding the movements of said bolt.

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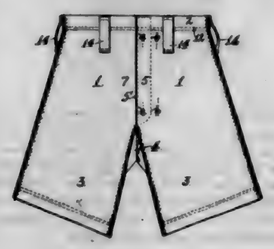
1,565,022. BATHING SUIT. GEORGE A. MATTERN, Berkeley, Calif. Filed May 6, 1925. Serial No. 28,381. 2 Claims. (Cl. 2—67.)



1. A garment of the trouser-type having at its front separate terminal portions overlapping, and extending from the waist line towards the crotch; a facing strip lying inside the overlapping portion and stitched thereto along the edge thereof; a folded facing strip stitched at its extremities to the edge of the underlapping portion and stitched at its foid to the overlying portion; and stitching inseparably connecting said facing strips.

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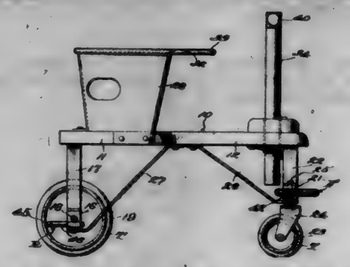
1,565,023. CHILD'S VEHICLE. EMIL M. MAYER, Cincinnati, Ohio, assignor to Newport Manufacturing Company, Newport, Ky., a Corporation of Kentucky. Original application filed Sept. 12, 1924, Serial No. 737,807. Divided and this application filed July 27, 1925. Serial No. 46,309. 6 Claims. (Cl. 293—34.)

3. In a child's vehicle, a body, a wheeled supporting frame for the body adjacent one end thereof, and a protecting bumper embodying a length of spring material bent at the opposite ends to form frame engaging

hooks, the said bumper mounted and secured in position extending across the frame outwardly beyond the adjacent



body end by the hooks engaged over opposite sides of the frame, respectively, said hooks extending over and around the frame sides to protect the same.

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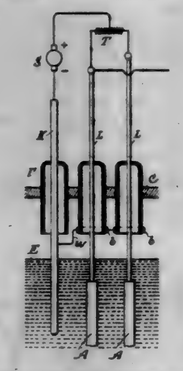
1,565,024. PREVENTING CORROSION OF ELECTROLYTIC CONDENSER LEADS. RALPH D. MERSHON, New York, N. Y. Filed Dec. 23, 1920. Serial No. 432,886. 10 Claims. (Cl. 175—317.)



6. An electrolytic condenser having means for impressing unidirectional current on the condenser anodes, and also having a wall through which leads extend for connection with an alternating current circuit and a source of unidirectional exciting current, in combination with means associated with said wall for causing alternating current leakage and exciting current leakage to take paths of substantially equal resistance.

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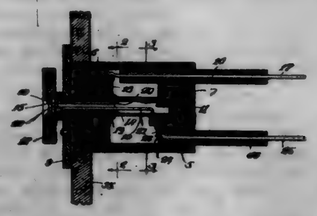
1,565,025. IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES. HERBERT J. MOLONEY, Chicago, Ill. Filed June 5, 1920. Serial No. 386,857. 4 Claims. (Cl. 175—183.)



3. An instrument of the character described comprising a cylinder; a head in each end of the cylinder; a rotatable tube of insulating material within the cylinder; a contact arm carried by the tube; a relatively stationary contact, cooperating therewith, comprising a switch to close an electric circuit; a knob, outside the cylinder to rotate the tube, having an axial perforation; a glass tube having a closed end closing said perforation and within the insulating tube; a spark gap within the glass tube and in series circuit with the aforesaid switch.

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1,565,026. DISPLAY STAND. RALPH S. MOORE, New York, N. Y. Filed June 28, 1923. Serial No. 648,395. 3 Claims. (Cl. 211—24.)

1. A display stand formed from an integral blank, comprising a front wall, side walls formed integrally with and extending backwardly from the front wall, each side wall having a free upper edge and an upwardly extending portion to the rear thereof, a top connected with and extending backwardly from the upper margin of the front wall supported upon the free upper edges of the side walls and having free lateral margins extending laterally beyond the portions of the side walls, and a panel connected with the rear margin of the top and extending upwardly in engagement with said upwardly extending portions of said side walls beyond and in front thereof and locked in engagement with the side walls by means of forwardly extending lips on the upwardly extending portions of the side walls projecting through apertures in the panel for holding the side walls in proper spaced relation and in conjunction with the top section of the blank for maintaining the stand against collapse.

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1,565,027. ADHESIVE OR BINDER. FRANCIS G. OKIE, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a Corporation of Minnesota. Original application filed Mar. 4, 1922, Serial No. 541,249. Divided and this application filed Oct. 24, 1923. Serial No. 670,541. 21 Claims. (Cl. 87—17.)

1. A waterproof adhesive including a mixture of substantially three parts drier materials, four parts white lead, and seventeen parts varnish material combined to render such adhesive stable and resistant to deterioration in the presence of friction and moisture when used in a water-abrading operation.

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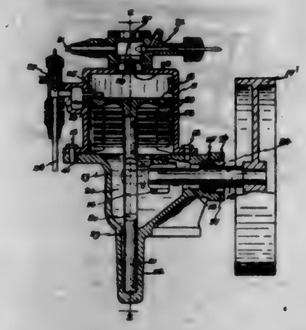
1,565,028. ABRASIVE ARTICLE. FRANCIS G. OKIE, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a Corporation of Minnesota. Filed Oct. 24, 1923. Serial No. 670,542. 24 Claims. (Cl. 51—279.)

1. The new article of manufacture in the nature of sand paper, comprising a flexible sheet of fabric, a grit or layer of abrasive particles, and a waterproof stable adhesive bond interposed between said grit and said sheet and of a nature to adequately maintain its bonding effect in substantially full measure throughout the effective abrading life of the abrasive article even under sustained application of or immersion in water, but not materially affecting the flexibility of said sheet when dry.



1,565,029. COMPRESSOR. CHARLES C. SPREEN, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed Aug. 9, 1923. Serial No. 656,611. 2 Claims. (Cl. 230—6.)



1. In a compressor, a cylinder, piston mechanism comprising a piston head engaging and operating within said cylinder and operating means extending from said cylinder, and a member sealed at one edge to said cylinder and at the other edge to said piston mechanism and thus effective to hermetically seal the opening in said cylinder through which said mechanism extends, said cylinder being provided with an inlet port arranged to be uncovered by said head when said head is in advanced position to thus place said port at that time in communication with the space enclosed between said cylinder and said member.

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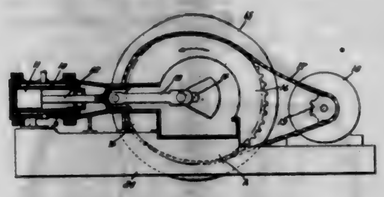
1,565,030. SYSTEM OF POWER TRANSMISSION. ALEXANDER R. STEVENSON, Jr., Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 27, 1923. Serial No. 683,049. 10 Claims. (Cl. 74—14.)



1. In a system of power transmission, the combination of a substantially constant-speed rotatable driving motor, a power consuming device having a fluctuating duty cycle, and means having a varying radius of power application connecting said motor and said power consuming device and cooperating with the latter for maintaining the load on and the speed of said driving motor substantially constant.

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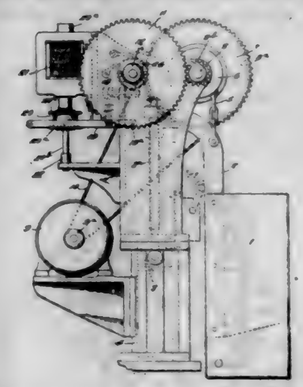
1,565,031. ELECTRICAL TRIP-BRAKE-OPERATING MECHANISM. CHARLES C. STROUT, Bangor, Pa., assignor to S. Flory Manufacturing Co., Bangor, Pa., a Corporation of Pennsylvania. Filed May 6, 1925. Serial No. 28,992. 10 Claims. (Cl. 192—2.)

1. Brake operating mechanism of the class described, comprising a drum, a weighted member adapted when released to operate a brake, means for raising said weight, motor means normally disconnected therefrom for operating said weight raising means, and electrically controlled means for operatively connecting said motor means with said drum.



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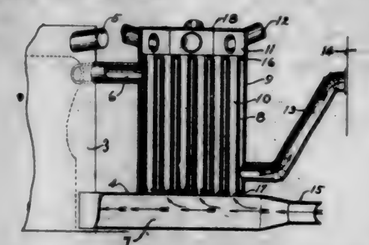
1,565,032. HEAT ECONOMIZER FOR FURNACES. LOUIS D. SUMMERS, Springfield, Ill., assignor to Firm of Franz and Summers, consisting of Louis D. Summers, Fred Franz, Jr., and William J. Franz, Springfield, Ill. Filed Jan. 14, 1925. Serial No. 2,317. 1 Claim. (Cl. 126—108.)



A heat economizer of the character described spaced from and operatively connected with an oil or coal burning furnace; said economizer comprising an upright drum including an upper detachable fresh air accumulating hood for heated fresh air, a chamber for the accommodation of the heated products of combustion from the furnace and a plurality of upright parallel fresh air communicating tubes extending through said chamber; a fresh air intake pipe adapted to simultaneously supply fresh air for the furnace to heat and fresh air for the economizer to heat; said hood provided with a plurality of heat distributing units and said chamber of the economizer connected with the flue of the furnace at the upper portion of the chamber and provided with an outlet flue communicating with the lower end of the chamber so as to utilize to the maximum extent the heated gases emanating from the furnace.

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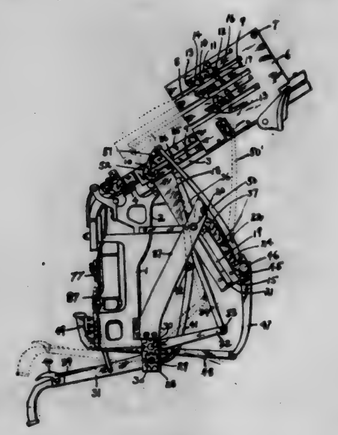
1,565,033. MULTIPLE-MAGAZINE-CHANGING DEVICE FOR CHANGING SPLIT MAGAZINES ON TYPESETTING MACHINES. HERMAN T. SUNDSTROM, Houston, Tex., assignor, by direct and mesne assignments, to Mergenthaler Linotype Company, a Corporation of New York. Filed May 24, 1924. Serial No. 715,533. 30 Claims. (Cl. 199—19.)

1. In a device of the character described, a matrix magazine rack, a magazine elevator adjacent thereto,

means to move said elevator into various adjusted positions relative to said rack, means to move said magazines to and from said rack and said elevator, and means when said elevator is returned to normal position to release the matrices from said magazine.



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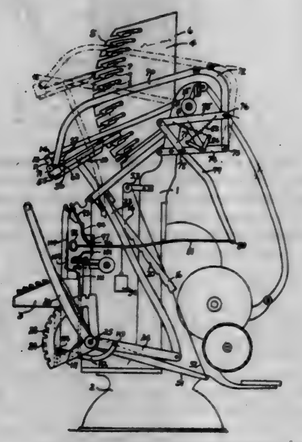
1,565,034. DEVICE FOR HANDLING AND STORING MATRIX MAGAZINES. HERMAN T. SUNDSTROM, Houston, Tex., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Mar. 5, 1925. Serial No. 13,383. 20 Claims. (Cl. 199—19.)



1. In a device of the character described, a rack having a series of compartments inclined upwardly from the forward end and adapted to slidably receive matrix magazines therein, said compartments having arcuate forward sides, an adjustable magazine support, a guide arm thereon extending perpendicularly downwardly from said support, a pivoted guide block for said arm, a pivoted arm holding said support against the curved side of said rack, and means to move said support into registering position relative to said compartments.

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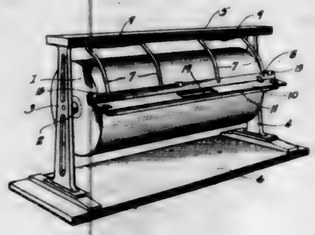
1,565,035. ATTACHMENT FOR ROLL-PAPER STANDS. KENZO TAKAHASHI, Seattle, Wash. Filed Oct. 15, 1923. Serial No. 668,539. 1 Claim. (Cl. 211—82.)



An attachment for paper roll stands of that type comprising means for rotatably mounting a paper roll and a tear off bar with yielding mountings for urging it against the roll, consisting of an auxiliary tear off plate substantially the length of said bar and bent along a longitudinal line with its upper edge portion adapted to underlie the first mentioned tear off bar and provided with clips formed therefrom and adapted to be bent over the bar to attach the plate functionally thereto; the lower edge portion of the plate being bent outwardly to extend substantially from the roll and provided with a lower tearing edge and a paper strip supporting bar disposed beneath the plate and having a recess formed in its outer edge, and having upwardly directed end portions attached to the underside at the ends of the out-turned portions of the plate to hold said bar in spaced relation to the plate for the purpose set forth.

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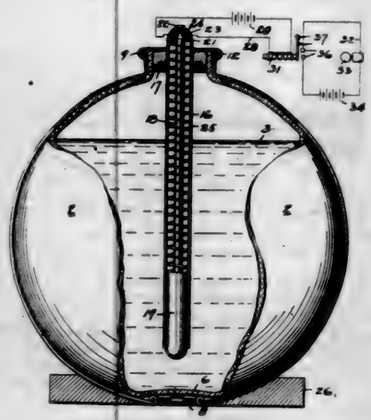
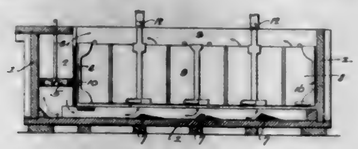
1,565,036. FIRE-EXTINGUISHING GRENADE. HENRY TANK, Alameda, Calif. Filed Mar. 2, 1921. Serial No. 449,124. 8 Claims. (Cl. 169—36.)



1. A fire extinguishing grenade comprising a frangible container having a quantity of fluid therein, breaking bands encircling said container and terminating in resilient ends, and a cap for engaging said ends to hold the bands in place.



1,565,037. DYEING MACHINE. JAMES H. THOMPSON, Trenton, N. J., assignor to Hussong Dyeing Machine Company, Groveville, N. J., a Corporation of New Jersey. Filed Apr. 3, 1924. Serial No. 703,939. 4 Claims. (Cl. 8—19.)



3. The combination of a dye vat having a dyeing compartment and a circulating compartment; means for circulating liquor in the vat; and a series of deflectors in the bottom of the vat, said deflectors increasing in height from the circulating compartment to the opposite end of the vat.

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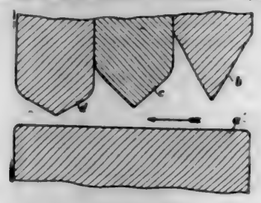
1,565,038. ZONE POLE FOR MAGNETIC SEPARATORS. GEORG ULLRICH, Magdeburg, Germany, assignor to the Firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Filed Dec. 19, 1924. Serial No. 757,010. 4 Claims. (Cl. 209—223.)



1. A zone pole for magnetic separators in which the blade angle is varied in the different zones.

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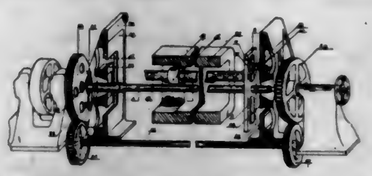
1,565,039. MACHINE FOR SMOOTHING AND RESMOOTHING THE MATRICES OF INGOT MOLDS AND OTHER HOLLOW BODIES. EDMOND VOITURON, Sclessin, near Liege, Belgium, assignor to Societe Anonyme d'Ougrée-Marihaye, Ougree, near Liege, Belgium, a Company duly Incorporated under the Laws of Belgium. Filed Apr. 10, 1924. Serial No. 705,663. 3 Claims. (Cl. 77—51.)



1. A machine for smoothing the internal faces of hollow bodies of varying sections and depths and of either parallel or non-parallel generating lines, comprising a relatively fixed rotary main shaft, fixed pattern-blocks, and guiding frames mounted upon and turning with the said main shaft, in combination with slidably mounted blocks carried by said frames and lying in the same radial plane and on the same side of the axis of said main shaft and having movement radially of said main shaft, a spindle connecting said sliding blocks, means extending from the respective sliding blocks and engaging the pattern blocks to cause said sliding blocks to move radially of the main shaft in accordance with the pattern as the main shaft rotates, a tool-holder slidably mounted upon said spindle, a tool carried by said holder, a feed screw carried by said sliding blocks and causing said tool-holder to slide longitudinally of said spindle, elements carried by the respective end portions of said feed-screw and parts periodically engaged respectively by said elements to operate said feed-screw.

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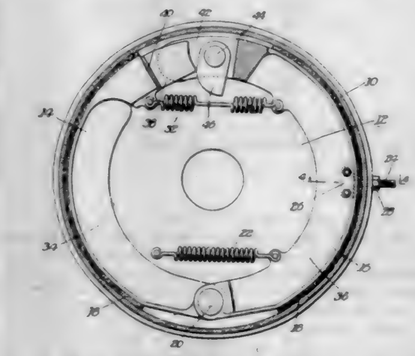
1,565,040. BRAKE. CHARLES WASEIGE, Paris, France, assignor to Société des Aeroplanes Henri and Maurice Farman, Billancourt, France, a Corporation of France. Original application filed Feb. 9, 1921, Serial No. 443,556. Divided and this application filed May 2, 1925. Serial No. 27,469. 20 Claims. (Cl. 188—78.)



17. A brake comprising, in combination, a shoe forked at one end to provide a pair of arms, another shoe having its end projecting between the arms, and a brake-operating device between the shoes and between said arms.

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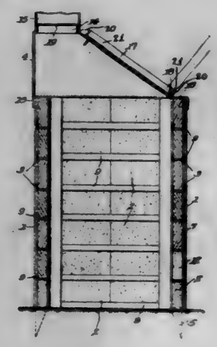
1,565,041. ADJUSTING LOOP. FRANK J. ARNEY, New York, N. Y. Filed Sept. 9, 1925. Serial No. 55,878. 2 Claims. (Cl. 24—129.)

1. An adjusting loop, including a bar adapted at one end to be connected to a rope end, the other end of said bar being fork-shaped, lugs at opposite edges of the bar adjacent the fork-shaped end, a transverse web on one face of said bar in substantial alinement with the faces of said lugs, and said bar having an opening therein intermediate its ends, one face of the bar having a longitudinal groove extending from the fork-shaped end to said opening, and having a transverse groove in its opposite face in alinement with said web.

1,565,042. INCINERATOR. WILLIAM G. ARROWOOD, Hawthorne, Calif. Filed Nov. 13, 1923. Serial No. 674,535. 12 Claims. (Cl. 110—18.)



1. An incinerator comprising metal corner pieces each provided with two longitudinal channels, walls connecting the corner pieces and each including a plurality of horizontal metal bars and bricks separated vertically by said bars, the ends of the bars and adjacent ends of the bricks extending into aligned channels in the corner pieces, and a top embracing the upper ends of the corner pieces and walls and provided with an opening through which material may be deposited in the incinerator.

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1,565,043. PROCESS AND PRODUCT FOR PREVENTING RUST. BRAXTON DAVENPORT AVIS, Clarksburg, W. Va. Filed Nov. 1, 1924. Serial No. 747,387. 6 Claims. (Cl. 167—3.)

3. A sterilizing bath comprising a weak solution of sodium nitrite and sodium sulphate.

5. A method of sterilizing metal instruments for preventing rust which comprises heating said instruments in a weak solution of sodium nitrite and sodium sulphate.

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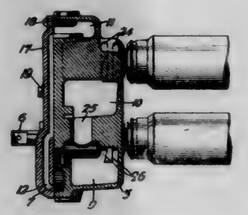
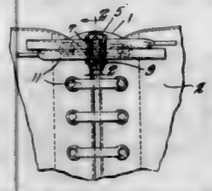
1,565,044. OIL PUMP. CHARLES C. BARBER, Freeport, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 5, 1922. Serial No. 558,769. 5 Claims. (Cl. 184—6.)



1. A bearing, a casing integral therewith forming a reservoir and provided with passageways communicating with said bearing, a cover for said casing serving as one side wall for said reservoir and provided with a vertical conduit communicating with said reservoir and said passage-ways, pump gears submerged in a lubricant in said reservoir, a drive gear partly submerged and meshing with one of said pump gears, and means for driving said drive gear to operate said pump gears whereby the lubricant is forced through said vertical conduit and said passage-ways for lubricating said bearing.

1,565,045. STRING CLASP. HERMAN R. BENSCH, San Antonio, Tex. Filed July 24, 1925. Serial No. 45,888. 2 Claims. (Cl. 24—117.)



1. A clamping device for the folded ends of shoe laces, designed to be secured on the outer face, adjacent to the upper end of the tongue of a shoe, said device comprising a body plate having bendable fingers at all of the corners thereof which are designed to be inserted through the tongue of the shoe, said plate, between the fingers, having its ends provided with upper and lower eyes, respectively, a bail-like clamping member having its ends journaled in the upper eye of the plate, and said lever having its lower end outturned to form a lip, a substantial U-shaped hook having its ends hingedly secured in the lower eye and swingable over the lipped end of the lever and the plate between the arms of the lever being bulged outwardly to provide a rib.

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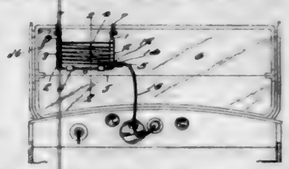
1,565,046. WINDSHIELD HEATER. HOMER S. BERGDOLL, Thomas, W. Va. Filed Apr. 6, 1925. Serial No. 21,108. 3 Claims. (Cl. 219—19.)



2. An electric warming device for the windshields of automobiles or like vehicles, including brackets fixed to the metal frame of the windshield, a substantially U-shaped frame having its arms pivotally secured to the brackets, insulators on the parallel arms of the frame, a resistance wire trained around the insulators, a metal connection between one end of said wire and one arm of the frame, a post for a conductor on the second end of the resistance wire and buffer members on the connecting element of the U-shaped frame.

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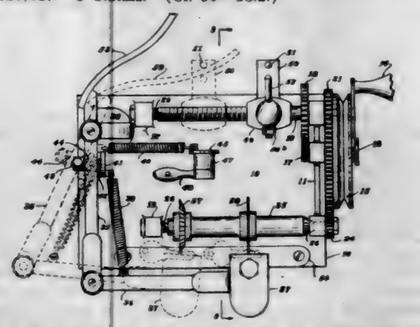
1,565,047. KEY-CUTTING MACHINE. AUGUST BIONDI, Allentown, Pa. Filed Apr. 2, 1923. Serial No. 629,447. 4 Claims. (Cl. 90—13.2.)



2. In a device of the class described, the combination of means for supporting a key blank, a plurality of cutters for co-operation with said means, and double



vises co-operative with said cutters for moving a key blank from co-operative relation with one of said cutters to co-operative relation with the other of said cutters.

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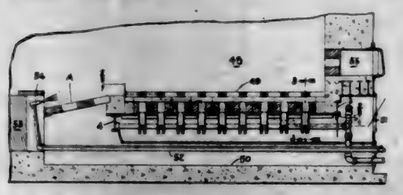
1,565,048. FURNACE. FREDERICK S. BITGOOD, Los Angeles, Calif. Filed Apr. 13, 1925. Serial No. 22,709. 2 Claims. (Cl. 158—1.)



1. In a furnace, a bank of gas burners comprising a metal platform having a series of vertical openings, metal mixing tube sleeves inserted downwardly through the platform and having stops to engage the platform, refractory sleeves having recesses in their lower faces to receive the upper ends of the metal sleeves, the refractory sleeves resting upon the metal platform and formed of square blocks approximately fitting to form a continuous bed, and plaster inserted in the crevices between the blocks.

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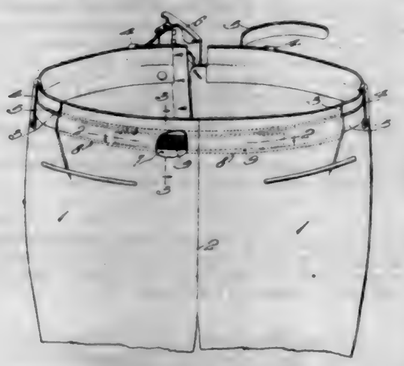
1,565,049. BELTED GARMENT. ABRAHAM BLOCK, Bloomfield, N. J. Filed July 16, 1925. Serial No. 44,078. 1 Claim. (Cl. 2—237.)



A garment provided with a pair of horizontally spaced darts at its rear portions, a flexible strip fixed to the inner side of the rear portion of the garment and terminating substantially at the darts to form an elongated belt guide, said darts having vertical openings communicating with the space between said flexible strip and garment, additional guides in front of said darts, a belt passing slidably through said additional guides, said belt having an elastic rear portion arranged within and obscured by said elongated belt guide, and means securing the elastic portion to the garment to prevent sliding thereof from the elongated guide.

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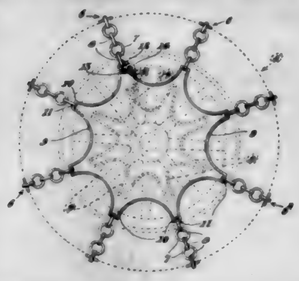
1,565,050. ANTISKID ATTACHMENT FOR WHEELS. JOHN BOOSH, Cleveland, Ohio, assignor of one-half to Steve Kraus, Cleveland, Ohio. Filed Mar. 5, 1925. Serial No. 13,206. 1 Claim. (Cl. 152—14.)

In an anti-skid attachment for wheels, a pair of circumferential side members each formed from a single strand of spring wire bent to form a plurality of bowed portions and straight connecting portions between the adjacent terminals of the bowed portions, means for detachably connecting the ends of each side member, and a plurality of cross tread members connected to the



said straight connecting portions, the bowed portions of the side members being partially straightened when the attachment is applied to a wheel to cause the same to exert an equal tension on all of the cross tread members.

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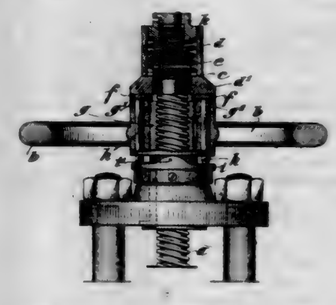
1,565,051. DEVICE FOR OPERATING GATE VALVES. ARNO BÖTTNER, Sudenburg, near Magdeburg, Germany, assignor to the Firm: Polte, Magdeburg, Germany. Filed Dec. 27, 1924. Serial No. 758,378. 9 Claims. (Cl. 74—40.)



1. A valve operating device of the character set forth comprising a threaded spindle, a nut engaging said spindle to co-operate therewith and having recesses therein, a hand-wheel rigidly connected with the said nut, a sleeve on the end of said spindle and having lugs thereon which are adapted to cooperate with said recesses, lifting pins adapted to disconnect the lugs from the recesses, and a stationary cam cooperating with the said pins, substantially as and for the purpose set forth.

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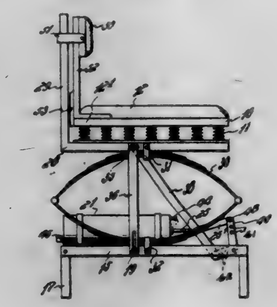
1,565,052. METHOD OF PRODUCING MINING-MACHINE BITS. NEWTON K. BOWMAN, Bowdil, Ohio. Filed Mar. 12, 1924. Serial No. 698,695. 8 Claims. (Cl. 76—101.)

1. The method of producing a mining machine bit from a blank having relatively angularly disposed wings, which comprises diagonally cutting off an end of the blank to produce a flat face diagonal to the back of the blank and the longitudinal edges of the wings, and forming the blank, including the said face thereof, to longitudinally curvilinear form.

1,565,053. WAGON STAKE. VIRGIL F. BOZEMAN and CHRIS E. JOHNSON, Moline, Ill., assignors to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Sept. 5, 1922. Serial No. 586,352. 4 Claims. (Cl. 280—147.)

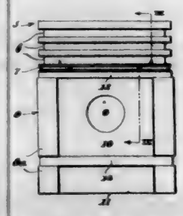
1. The combination with a wagon bolster, of a stake holder, a clamping member extending transversely of the holder, a bolt extending centrally through said member and the bolster and cooperating with said member to secure the holder on the bolster, and means to secure the holder from rotary movement.

1,565,054. VEHICLE SEAT. GEORGE N. BRUNKER and HENRY A. WOODLAND, Salt Lake City, Utah. Filed Oct. 29, 1923. Serial No. 671,567. 1 Claim. (Cl. 155—50.)



In a device of the class described, a supporting element, a leaf spring mounted thereon, a seat mounted on the spring, a cylinder mounted on the supporting element, a rocker arm mounted on this element, a piston for the cylinder and a piston rod, said rocker arm having two series of apertures, and the arm being pivoted at a point between the two series of apertures, a link connected with one of the apertured portions and with the piston rod, and a bar connected with the seat and with the rocker arm, at a point within the limits of the remaining series of apertures.

1,565,055. PISTON. NEWTON J. BUREN, Tacoma, Wash. Filed Sept. 22, 1925. Serial No. 57,872. 2 Claims. (Cl. 74—108.)

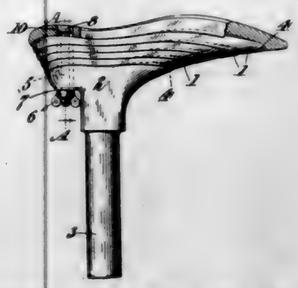


1. In a piston, a skirt portion having relief areas, and circumferentially extending areas formed truly cylindrical, of less diameter than the unrelieved portion of the skirt and traversing said relief areas.

1,565,056. WATER-CRAFT-PROPELLING MECHANISM. FERNANDO LOPEZ CERVERA, Tacuba, Mexico. Filed Aug. 6, 1925. Serial No. 48,520. 2 Claims. (Cl. 9—25.)

1. In a propelling mechanism of the type described, a housing supported to pivot on a horizontal axis, a pair of spaced shafts extending through said housing to depend therebelow, meshing toothed sectors rotatably mounted upon said shafts, a socket projecting radially from each of said sectors, a handle having a shank received in one of said sockets, a blade having a shank received in the other of said sockets, and means pivotally carried by the depending portion of said shafts connected to the shanks outwardly of the socket for adjustably holding said shanks in said sockets.

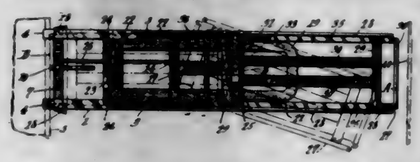
1,565,057. LAST FOR BOOTS, SHOES, AND THE LIKE. FREDERICK WILLIAM CHAPPELL, Pontardawe, Swansea Valley, Wales. Filed Mar. 10, 1924. Serial No. 698,253. 1 Claim. (Cl. 12—124.)



A shoemaker's last comprising a base piece, and a plurality of interlocking last plates, each plate being of the outline of a complete foot, said plates being arranged in a series progressively increasing in size away from said base, the plate next adjacent said base being formed to have interlocking engagement therewith, and said base and said plates each being provided with a perforation, the perforations in said plates and said base being in registry in their normal assembled relation, and the perforations in said plates being of the same size and shape and elongated in form, and said plates each being formed with a recess extending from and communicating with its respective perforation, in combination with a bolt extending through the registering perforations of the assembled plates and base and having an elongated head of such shape and size as to pass through the perforations in said plates when extending lengthwise thereof and to fit in the recess of the outer plate when turned crosswise of the perforation therein, and a nut engaging said bolt and adapted to draw said plates and base firmly together so as to hold them against movement either axially or radially of said bolt.



1,565,058. PACKING BENCH. PAUL P. COMMANDER, Dperun, Ga. Filed Sept. 15, 1924. Serial No. 737,839. 5 Claims. (Cl. 100—57.)

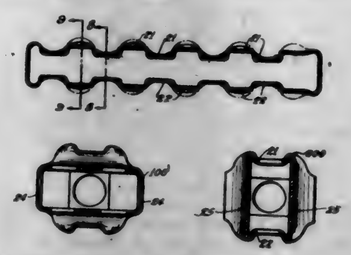


1. In a device for facilitating the packing of fruit boxes, a support, a slide mounted for reciprocation on the support, a box-carrying platform, and means for mounting the platform on the slide for combined pivotal and lateral translatory movement with relation to the slide.

1,565,059. PRINTER'S FEED GAUGE. GUY C. COOPER, Lithonia, and THOMAS A. BAILEY, Buckhead, Ga. Filed Jan. 8, 1925. Serial No. 1,247. 2 Claims. (Cl. 101—415.)

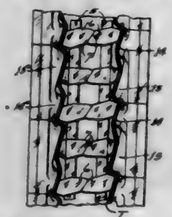
1. A printing press gauge comprising complemental clamp members having matching raised and depressed portions and having a gauge head in which is formed an opening, a stripper passing through the opening of the gauge head and having its rear end offset, and a holder having its rear portion bent to engage the rear edge of the upper gauge member and provided with an opening to receive the offset end of the stripper.

1,565,060. SECTIONAL HEADER FOR BOILERS AND THE LIKE. ALFRED COTTON, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 23, 1922. Serial No. 596,432. 7 Claims. (Cl. 122—360.)



1. A sectional header of substantially rectangular shape in cross section adapted to have a plurality of circulating tubes connected to same, said header consisting of a deformed metal tube provided on its lateral sides with diametrically-opposed, inwardly-pressed portions and diametrically-opposed, outwardly-bulged portions, bulges on the front and rear sides of the header arranged in staggered relation to the ouwardly-bulged portions on the lateral sides of the header, and tube holes and hand holes in the front and rear sides of the header, respectively.

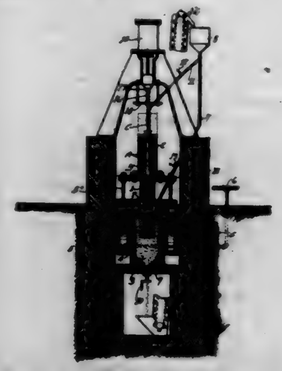
1,565,061. METHOD AND APPARATUS FOR MAKING SECTIONAL HEADERS. ALFRED COTTON, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 4, 1923. Serial No. 655,667. 22 Claims. (Cl. 153—78.)



1. A machine for producing a sectional header, comprising side dies spaced apart to receive a metal tube and provided with inwardly-projecting ribs arranged diametrically opposite each other and diametrically-opposed recesses located between said ribs, front and rear dies, and pressing portions on said front and rear dies disposed in such relation with said ribs and recesses that the inward movement of all of said dies towards the center of said tube forms opposed valleys and bulges in the lateral sides of the header and bulges in the front and rear sides of the header.

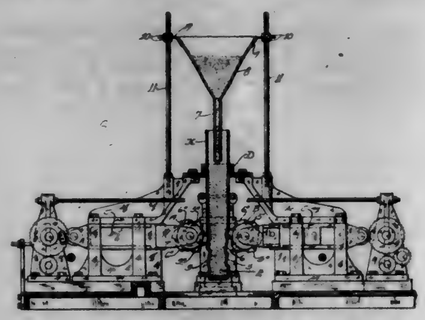
14. A method of constructing a sectional header, characterized by pressing opposed portions in alternate longitudinal sections of a metal tube inwardly towards each other, and pressing opposed portions in the intermediate sections of the tube inwardly towards each other but at right angles to the inwardly-pressed portions first referred to.

1,565,062. METHOD AND APPARATUS FOR PRODUCING SECTIONAL BOILER HEADERS. ALFRED COTTON, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 4, 1923. Serial No. 655,670. 3 Claims. (Cl. 113—44.)



1. A method of making a hollow member, characterised by arranging a heated tube in a die, expanding the portion adjacent one end of the tube into engagement with the die, and thereafter expanding other portions of the tube into engagement with the die in regular progression from one end of the tube to the other.

**1,565,063. METHOD AND APPARATUS FOR PRODUCING HEADERS.** ALFRED COTTON, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 27, 1924. Serial No. 702,279. 11 Claims. (Cl. 153—73.)



1. A method of producing a header, which consists of progressively deforming a tube by rolls that press opposed portions of the tube inwardly and simultaneously form seat faces in the tube, and internally supporting the tube during the deforming operation by a column of granular material in the tube that is permitted to flow freely longitudinally of the tube but which imposes a sufficient load on the granular material in the zone of the deforming rolls to insure the formation of seat faces on the tube that are sharp-angled and flat.

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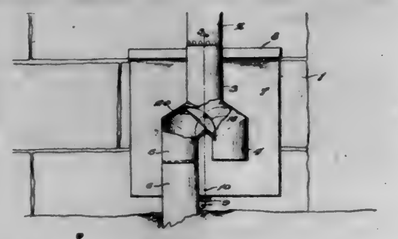
**1,565,064. AUTOMATIC CUT-OFF FOR CISTERNS.** MAX E. CRANDALL, Kingfisher, Okla. Filed Jan. 26, 1925. Serial No. 4,894. 6 Claims. (Cl. 137—9.)



1. In an automatic cut-off for cisterns, the combination of a Y coupling connected with a down spout and having spaced discharge terminals, a tank disposed at the side of the said coupling and in communication with the upper portion of the same, a trough within the coupling below and immediately adjacent the point of communication between the coupling and the tank, a screen secured within the coupling above the trough and having its lower end fitting within the bore of the trough, a cut-off mounted within the coupling at the junction of the discharge terminals thereof, and float-controlled means within the tank for shifting said cut-off.

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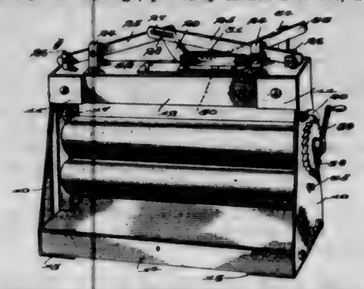
**1,565,065. WIRE STRETCHER.** JOHN BERNARD DOERR, Orlando, Fla. Filed Sept. 1, 1925. Serial No. 53,941. 4 Claims. (Cl. 254—51.)

1. A wire screen stretching device comprising a frame, a roller mounted for rotation in the frame, a second roller mounted for rotation in the frame, movable bearings for the second roller, means for positively rotating the second roller, and means for adjusting the bearings for moving the second roller towards or away from the first roller, said adjusting means consisting of rods connected to the bearings, pivotally mounted levers, a lever



being connected to an end of a rod, and means oscillating the levers whereby the rods are oscillated.

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**1,565,066. HOSE-NOZZLE HANGER.** LOUIS A. DOUSSON, Cincinnati, Ohio, assignor to The American Oil Pump & Tank Co., Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 2, 1924. Serial No. 729,794. 3 Claims. (Cl. 248—20.)

1. A hose nozzle hanger comprising an open housing with a hood to cover the open end of the nozzle when hung up therein, and a support secured to and within the housing from which the said nozzle may be removably hung.

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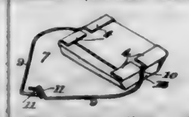
**1,565,067. RAILWAY SIGNAL TORPEDO.** FRANK DUTCHER, Versailles, Pa. Filed July 22, 1925. Serial No. 45,328. 5 Claims. (Cl. 246—487.)



1. The combination in a railway signal torpedo, of a base; an explosive tablet secured to said base; a fastening device extending through the base; and means for locking the fastening device to the base when the ends of the fastening device are connected.

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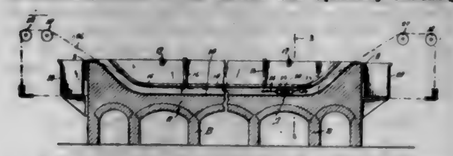
**1,565,068. DROSSER FOR GALVANIZING KETTLES.** HARRY CLYDE EBRIGHT, Youngstown, Ohio. Filed Apr. 3, 1924. Serial No. 704,029. 8 Claims. (Cl. 15—93.)

2. The combination with an elongated kettle having its bottom extending horizontally for a certain distance and then upwardly inclined at its ends, of a scraper operating over said bottom and ends, motor operated means for shifting the scraper longitudinally in opposite directions, and guides for holding the scraper against the bottom, said guides comprising longitudinally extend



ing guide strips attached to the walls of the kettle and extending parallel to the bottom and upwardly inclined



at their ends, the strips being reinforced at the junction of the horizontal portion with the upwardly inclined portion.

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**1,565,069. GOLF CLUB.** EDWARD T. EDWARDS, Latrobe, Pa. Filed Mar. 6, 1924. Serial No. 697,289. 2 Claims. (Cl. 273—80.)

1. A golf club, embodying a shaft formed in sections of substantially equal length, united by a threaded connection formed of a double thread the spirals of which alternate.

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**1,565,070. GOLF CLUB.** EDWARD T. EDWARDS, Latrobe, Pa. Filed Mar. 6, 1924. Serial No. 697,290. 2 Claims. (Cl. 173—80.)

1. A golf club, embodying a shaft formed in sections of substantially equal length, united by a threaded connection formed of double thread the spirals of which alternate, said threads being interrupted longitudinally at intervals.

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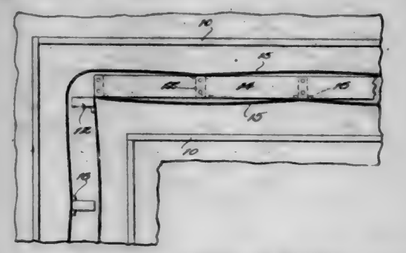
**1,565,071. FORM FOR CONCRETE CONSTRUCTION.** LEWIS LAVELL ELLIS, Sarasota, Fla. Filed June 16, 1925. Serial No. 37,544. 3 Claims. (Cl. 25—131.)



1. A form for concrete construction including spaced vertically disposed inner and outer walls, horizontally spaced vertically disposed standards arranged between the walls and plates engaging alternate standards upon opposite sides of the latter, the plates upon one side of the standards being spaced from the standards which are engaged by the opposite plates.

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**1,565,072. TREATMENT OF ARGENTIFEROUS SULPHIDE ORES.** FRANK EDWARD ELMORE, Boxmoor, England, assignor to Niels C. Christensen, Salt Lake City, Utah. Filed Mar. 26, 1921. Serial No. 455,794. 9 Claims. (Cl. 75—18.)

1. A process of treating argentiferous lead-zinc sulphide ores which consists in first heating the ore admixed with sodium chloride in presence of air at a temperature exceeding about 400° C. but not high enough to cause volatilization of lead as halogen compound, the zinc sulphide remaining for the most part unattacked, then extracting the oxidized mixture with a strong solution of sodium chloride and finally extracting the silver from the argentiferous residue with solvent as herein defined.

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**1,565,073. TREATMENT OF ARGENTIFEROUS SULPHIDE ORES.** FRANK E. ELMORE, Boxmoor, England, assignor to Niels C. Christensen, Salt Lake City, Utah. Filed June 9, 1922. Serial No. 567,203. 3 Claims. (Cl. 75—18.)

1. Process of treating argentiferous lead-zinc sulphide ores, consisting in heating the ore to about a dull red heat under such conditions that the zinc sulphide remains substantially undecomposed, then subjecting the ore which has been thus heated to the acid brine process, and then leaching the argentiferous zinc sulphide residue thus obtained by means of acid chloride brine solvents which extract the silver therefrom and leave the zinc sulphide substantially undissolved.

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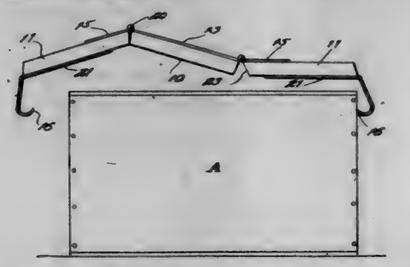
**1,565,074. BELT CLAMP.** THOMAS ERSKINE and ADOLPH C. ARNOT, Taft, Calif. Filed Aug. 24, 1925. Serial No. 51,890. 3 Claims. (Cl. 24—37.)

2. A belt-clamp comprising opposing grip-members adapted for frictional contact with the belt ends, said grip-members being outwardly flanged along one edge; a U-shaped sheath-member fitted over said grip-members, with the inner edges of its legs bearing on the outturned flanges of said grip members; and pressure studs carried by said sheath-member and bearing upon the grip-members to force the latter into frictional contact with its belt ends.

1,565,075. BOX LIFTER. HENRY FASSBENDER, Council, Idaho. Filed Mar. 16, 1925. Serial No. 15,991. 1 Claim. (Cl. 294—16.)



A lifter of the character described comprising a linking hinge having a straight bar and hinged portions connected to its respective ends, arms secured to the undersides of the straight bar and hinged portions respectively, said arms having their adjacent ends beveled, and hook arms secured to the undersides of the outer arms and terminating in offset inwardly and upwardly inclined sharpened hooks.

1,565,076. HANDLE-BAR-GRIP FASTENER. BISHOP E. FINK, Fort Myers, Fla. Filed Jan. 14, 1925. Serial No. 2,383. 3 Claims. (Cl. 208—126.)

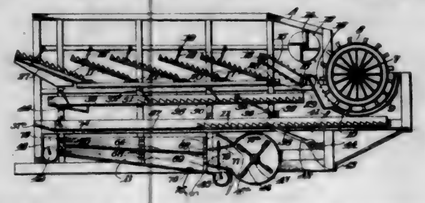
1. A fastening means for handle bar grips comprising a plug provided with a centrally disposed opening formed in one end thereof, an integrally formed sleeve and washer, and a screw passing through said sleeve and washer to be received in the opening of the plug for the purpose specified.

1,565,077. HOLDER FOR BAKED APPLES. MARY GILES FINN, Mount Vernon, N. Y. Filed Apr. 2, 1925. Serial No. 20,279. 1 Claim. (Cl. 53—6.)

A baking and serving holder for fruit, which comprises a shallow, dishlike receptacle having a substantially flat bottom and an integral stem extending upwardly therefrom near the center thereof, said bottom being constructed of comparatively thin material of uniform thickness throughout and being of approximately the same diameter as the fruit to be held thereon, said stem being constructed to extend through the core of the fruit and above the top thereof, and being provided at its top with an aperture whereby the receptacle can be lifted.

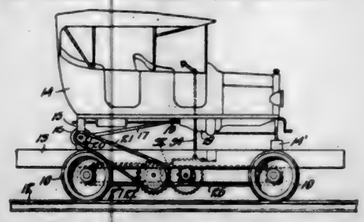
1,565,078. THRASHING MACHINE. JESSE L. FITZGERALD, Sr., Oberlin, Kans. Filed Mar. 20, 1922. Serial No. 545,147. 1 Claim. (Cl. 130—24.)

In a thrashing machine, a frame, a thrashing mechanism in said frame, means for moving straw rearwardly through the frame from said thrashing mechanism, an auxiliary grain pan disposed beneath the straw-moving means and having an imperforate forward portion provided with means for moving chaff rearwardly and a perforated screen forming rear portion, a main grain pan disposed beneath said auxiliary pan and extending forwardly beyond the forward end of the auxiliary pan to a point beneath said thrashing mechanism, said main pan having a perforated screen forming rear portion dis-



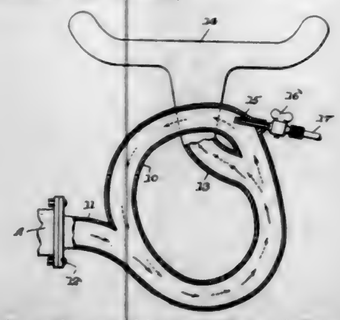
posed beneath the screen forming portion of the auxiliary pan and extending forwardly to a point intermediate the ends of the imperforate forward portion of the auxiliary pan and an imperforate forward portion provided with means for moving chaff rearwardly, and a shoe disposed beneath the main pan and including a screening medium disposed beneath the screen forming rear portion of the main pan.

1,565,079. RAILWAY VEHICLE. LEMUEL ROSCOE FOREMAN, Elizabeth City, N. C. Filed June 19, 1924. Serial No. 721,133. 5 Claims. (Cl. 105—101.)



1. In a railway vehicle, an automobile body, a wheeled frame supporting the body, gearing connecting the engine to the frame including parallel driving and driven shafts, sprocket gearing connecting said shafts, intermeshing spur gears on said shafts, a clutch sleeve on the driving shaft engageable either with the sprocket gearing or with one of said spur gears, and a lever projecting through the floor of the automobile body for controlling the position of said clutch sleeve, substantially as set forth.

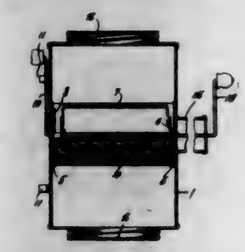
1,565,080. ENGINE MANIFOLD. JOHN LAVERNE FOUST, Baker, Mont. Filed June 9, 1924. Serial No. 718,930. 2 Claims. (Cl. 123—52.)



1. An engine manifold comprising a hollow ring-like body formed with an extension at one side constituting a mixture inlet, and an outlet pipe position leading from the inside wall of the ring-like body and constituting an outlet; and an auxiliary air inlet tube extending through the outer wall of the body and pointing in the direction of flow of mixture through the body.



1,565,081. SIFTER. STANLEY H. FRAZIER, Cainesville, Mo. Filed Feb. 4, 1924. Serial No. 690,648. 1 Claim. (Cl. 209—283.)

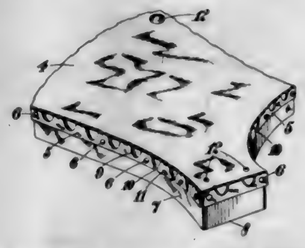


A sifter of the character described comprising a cylindrical shaped body, a shaft passing through the body, walls extending inwardly from the sides of the cylindrical shape body and meeting to form an apex at each side substantially in the plane of the shaft, a semi-circular screen having closures for its ends, one of said closures being journaled on the shaft, a handle passing through the wall of the body diametrically opposite the entrance of the shaft therein and connected with the other closure of the screen for reversal of the latter, means for holding the handle member in adjusted position and an agitating device fixed to the shaft and operatively associated with said screen.

1,565,082. PULL-CHAIN CANDELABRUM SOCKET. EDGAR H. FREEMAN, Trenton, N. J., assignor, by mesne assignments, to Circle F. Mfg. Co., Trenton, N. J., a Corporation of New Jersey. Filed Mar. 25, 1922. Serial No. 546,757. 8 Claims. (Cl. 173—354.)

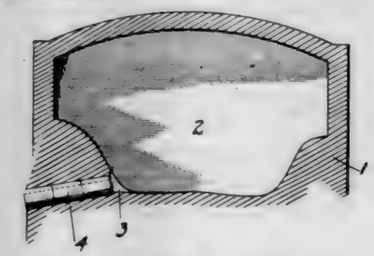
1. A candelabrum socket including a pair of insulation blocks, a bracket including two members slidable one upon the other adjustably connecting the blocks, a lamp socket carried by one of said blocks and a switch carried by the other.

1,565,083. CLICKING OR LIKE CUTTING-OUT KNIFE. HENRY HOWARD FREER, Leicester, England. Filed Jan. 6, 1925. Serial No. 847. 16 Claims. (Cl. 164—29.)



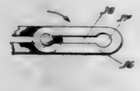
1. A cutting-out knife of the kind described comprising in combination a sheet-metal backing-plate having a rim constituted by a turned-down edge thereof, a cutting-strip and means securing said cutting strip to said rim.

1,565,084. ARTICLE FOR LINING TAP HOLES OF FURNACES. HENRY G. FRERICHS, Bartonville, Ill. Filed Oct. 16, 1924. Serial No. 744,083. 4 Claims. (Cl. 266—42.)



2. A monolithic magnesite tap-hole refractory for furnaces and of tubular cross-section.

1,565,085. HARNESS OR DROP-BOX CHAIN. FRANK L. FURGAL, Warren, Mass. Filed Feb. 9, 1925. Serial No. 7,733. 9 Claims. (Cl. 139—333.)

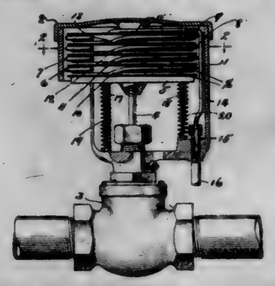


1. As an article of manufacture, a chain comprising pins, balls and spacers assembled together, each pin having a reduced neck near the end, and links for connecting said pin at the neck, each link having a longitudinal slot extending substantially throughout the length of the link and constituting its only means for receiving the pins and provided with an enlarged circular portion at one end of the slot of sufficient size to receive the largest diameter of the pin, said links being arranged along the chain with the enlarged portions of the slots located at the same end.

1,565,086. DIAPHRAGM. JAMES F. GALLAGHER, Brooklyn, N. Y. Filed May 18, 1923. Serial No. 639,761. 1 Claim. (Cl. 137—156.)

In combination, a housing, a cap therefor, a series of superimposed hollow diaphragm members therein, flexible tubes attached to the peripheries of said members and communicating with the interior thereof, a pressure

pipe communicating with one of said diaphragm members, whereby there is provided a plurality of diaphragm members connected in series to a pressure pipe, springs



attached to the periphery of the lower diaphragm member of the series for forcing the diaphragm structure toward said cap and lugs for spacing said diaphragm members.

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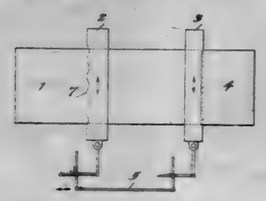
1,565,087. TRAVELING OR CHAIN GRATE STOKER. HUGO GALLE, deceased, late of Coesfeld, Germany, by Sophie Galle, executrix, Coesfeld, Germany. Filed July 10, 1925. Serial No. 42,842. 3 Claims. (Cl. 110—40.)



1. The combination with a traveling grate of a breaker bar arranged transversely of and in close proximity to the grate and formed and arranged to present a raking edge towards the advancing fuel, and means for reciprocating said breaker bar transversely of the grate.

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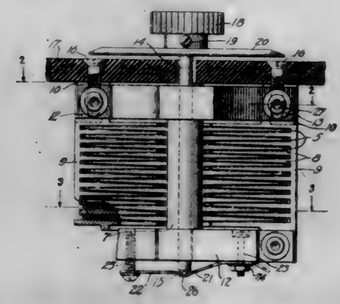
1,565,088. CONDENSER. JOHN O. GARGAN, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1922. Serial No. 589,735. 4 Claims. (Cl. 250—41.)



1. An air condenser comprising a fixed member including a plurality of parallel plates, supporting lugs and mounting studs cast integral, a movable member including a shaft portion and a plurality of parallel plates cast integral therewith, and a plurality of bridging members serving as bearings for said shaft portion and having perforations in the ends thereof adapted to cooperate with said studs whereby the bridging members may be rigidly secured to the fixed member.

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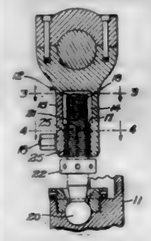
1,565,089. RECIPROCATING MECHANISM. ERNEST GAUTHIER, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 7, 1921. Serial No. 520,502. 6 Claims. (Cl. 74—48.)



1. In a punch press or similar operating mechanism, a pair of telescopic members forming the pitman of the mechanism, and a shearable element interposed between the adjacent surfaces of the telescopic members adapted to normally retain them against relative movement but shearable by excessive thrust to permit relative movement of the two members.

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1,565,090. PROCESS FOR PRODUCING PULP. WILLIAM D. GREGOR, WESLEY M. OSBORNE, and ALEX J. KEMZURA, Newton Falls, N. Y. Filed July 14, 1924. Serial No. 725,983. 7 Claims. (Cl. 92—7.)

1. The process of digesting materials to form pulp which comprises the steps of partially filling the digester with cooking liquor, feeding the material into the partially filled digester an amount which will permit circulation of material in the liquor during the cooking, then filling in the remaining amount of cooking liquor to complete the charge.

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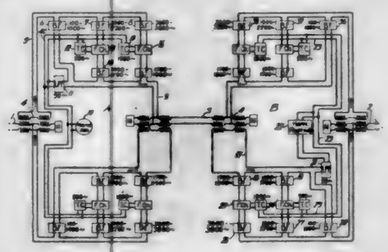
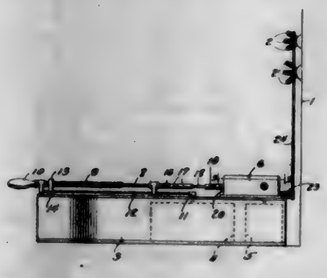
1,565,091. WAVE-TRANSMISSION SYSTEM. ELMER V. GRIGGS, White Plains, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 17, 1922, Serial No. 537,156. Renewed June 2, 1925. 8 Claims. (Cl. 178—44.)



7. A system for two-way transmission between distant points comprising means for transmitting base frequency energy therebetween, means for causing said base frequency energy at each of said points to reduce the effective frequencies of signal energy to be transmitted and to increase the effective frequencies of signal energy received by like amounts.



1,565,092. ATTACHMENT FOR OSCILLATION GENERATORS. HENRY C. HARRISON, Port Washington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 28, 1921. Serial No. 479,798. 30 Claims. (Cl. 250—36.)



1. The combination with an oscillation generator including an electric discharge device and an oscillatory circuit of means for adjusting the constants of said circuit including a plurality of switches and controllers, and means to actuate said switches and controllers in a definite sequence.

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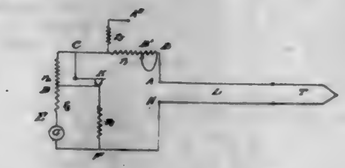
1,565,093. METHOD OF AND APPARATUS FOR MAKING PYROMETRIC AND OTHER MEASUREMENTS. THOMAS RANDOLPH HARRISON and PAUL DARWIN FOOTE, Washington, D. C.; said Foote assignor to said Harrison. Filed Apr. 19, 1919. Serial No. 291,877. 20 Claims. (Cl. 175—183.)



13. An indicating circuit comprising a variable source of potential, indicating means calibrated to indicate variations of potential produced by said source for predetermined relations of resistance embodied in said circuit, and auxiliary circuit connections comprising a shunt around said indicating means which when manipulated cause said means to indicate substantial variations in the predetermined relations of the resistances of said first mentioned circuit.

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1,565,094. PIPE BENDER. FRED HOTCHNER, San Francisco, Calif. Filed Mar. 8, 1922. Serial No. 541,934. 4 Claims. (Cl. 81—15.)

1. A pipe bender comprising a lever having a pipe embracing hook, a fulcrum on said lever, a second lever pivotally mounted on the first lever at the end distant from said pipe embracing hook, and means extending from the short arm of the second lever for engaging a pipe at a distance from said hook, whereby on the application of power to the second lever a pipe may be bent.

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1,565,095. ANTISKID ATTACHMENT FOR VEHICLE WHEELS. JOHN JEUP, Snohomish, Wash. Filed Feb. 9, 1924. Serial No. 691,599. 2 Claims. (Cl. 152—2.)

1. The combination with a wheel of the class described, of a ring secured concentrically to the body of the wheel, a plurality of hooks fixed in one side of said ring with their hooked ends turned toward the center of the wheel, a plurality of hooks threaded into the ring from the other side with lock nuts thereon whereby they may be locked at different positions of adjustment and antiskid chains extended about the tread of the wheel with their end links secured to said hooks at opposite sides of the ring.

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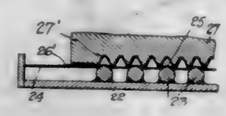
1,565,096. METHOD OF CONSTRUCTING RADIATORS FOR USE IN CONNECTION WITH INTERNAL-COMBUSTION MOTORS. HARVEY C. MUMMERT, Hollis, and WILLIAM WAIT, Jr., Garden City, N. Y., assignors, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, Long Island, N. Y., a Corporation of New York. Filed Oct. 26, 1922. Serial No. 597,072. 2 Claims. (Cl. 113—116.)



1. The method of constructing skin or surface type radiators for aeroplanes which consists in applying a coating of solder solution upon at least a portion of one surface of a metal plate, in laying upon the coated surface of said metal plate a second metal plate, one of said plates being corrugated to provide a plurality of laterally spaced lines of longitudinally continuous contact between said plates, said lines of contact being spaced according to the size of the mentioned corrugations, and in simultaneously heating and pressing together, along said lines of continuous contact, the mentioned plates, to effect, along said lines of contact, a series of longitudinally continuous laterally spaced solder joints between said plates, said plates, when thus joined together, defining a plurality of independently water tight and completely separated fluid passages or cells.

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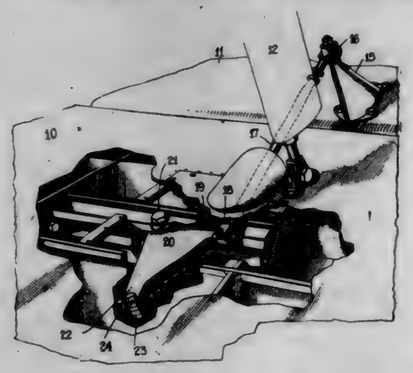
1,565,097. DIFFERENTIAL AILERON CONTROL. HARVEY C. MUMMERT, Hollis, N. Y., assignor to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y., a Corporation of New York. Filed Feb. 29, 1924. Serial No. 695,963. 5 Claims. (Cl. 244—20.)

1. The combination with the supporting surface of an aeroplane, of control mechanism including a movable control surface and an element operable to move said control surface, and a connection between said control surface and said element having incorporated therein

a bell crank, said bell crank being housed within said supporting surface and having its arms so related one to the other as to define an angle other than a right



angle whereby in the operation of said element a differential action in the movement of said control surface is provided.

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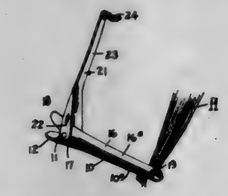
1,565,098. HAIR CURLER. DAISY D. NIELSEN, Los Angeles, Calif. Filed May 8, 1925. Serial No. 28,904. 1 Claim. (Cl. 132—41.)



A hair curling appliance comprising a cylindrical member, a channel shaped member, a clamping member having a lip formed on one end, a spring and a pin, said channel shaped member, cylindrical member and clamp being pivotally connected by said pin, said cylindrical member and channel shaped member being normally held together by the action of said spring and prevented from shifting laterally by the lip formed on the end of said clamping member engaging recesses formed in one end of said cylindrical and channel shaped members.

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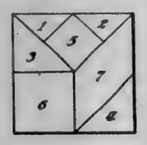
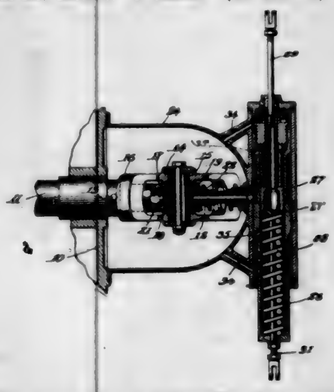
1,565,099. GEOMETRICAL PUZZLE. JOHN NIEBODKA, Chicago, Ill. Filed Mar. 11, 1925. Serial No. 14,713. 15 Claims. (Cl. 273—157.)



14. A seven figure puzzle comprising one smaller and one larger square and four triangles, the area of the smaller square being equal to the area of one pair of said triangles, and the area of the larger square being equal to the area of the other pair of said triangles, said polygons when placed together edgewise being adapted to form a plurality of geometrical figures.

1,565,100. AUTOMATIC THROTTLE CONTROL. ARTHUR NUTT, Mineola, and ADOLPH MOSES, Hempstead, N. Y., assignors, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y., a Corporation of New York. Filed Jan. 10, 1921. Serial No. 436,291. 5 Claims. (Cl. 264—7.)



1. The combination, in a throttling device for internal combustion motors, of a throttle, a throttle control lever, a bodily movable mechanical connection between the throttle and throttle control lever including parts capable of relative movement, and means for temporarily so relating such parts as to render them incapable of relative movement without affecting in any way the bodily movement thereof.

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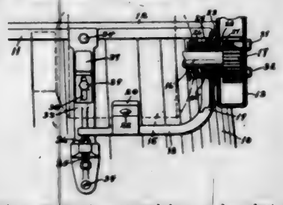
1,565,101. MOTOR SUPPORT FOR WASHING MACHINES. CARL A. OLSON, Clarinda, Iowa, assignor to Clarinda Manufacturing Company, Clarinda, Iowa, a Corporation of Iowa. Filed Oct. 15, 1923. Serial No. 668,694. 5 Claims. (Cl. 248—14.)



5. A motor support, comprising a bracket having an arm adapted to extend beneath a motor, a screw threaded in said arm and adapted for adjustment to engage said motor, and a wedge member adjustably mounted on a vertical arm of said bracket and adapted to engage a curved side of the motor.

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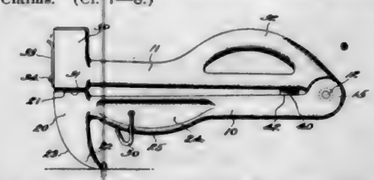
1,565,102. STAPLE PULLER. JOHN AARON PETERSON, Kane, Pa. Filed Apr. 14, 1925. Serial No. 23,077. 4 Claims. (Cl. 7—8.)



1. In a staple puller, substantially parallel members pivoted together at one end for swinging movement toward and from each other, one of said members formed at its free end with a staple engaging head, and the other of said members formed at its free end with a hammer head for striking said engaging head when the members are swung together, and locking mechanism for detachably securing said members in position swung together with said heads alined to form a hammer head, said members providing a handle therefor.



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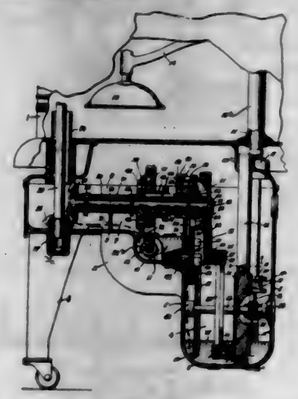
1,565,103. LUBRICATING SYSTEM FOR WASHING MACHINES. GEORGE E. RANDLES, Cleveland, Ohio, assignor to The Foote-Burt Company, a Corporation of Ohio. Filed May 27, 1924. Serial No. 716,252. 5 Claims. (Cl. 184—7.)



5. In a washing machine, a housing adapted to contain a supply of lubricant in its lower portion, a shaft journaled in the housing adjacent its upper end, said shaft having an axially-extending passage, operating mechanism in the housing, said mechanism including a gear wheel on said hollow shaft and a portion which dips into lubricant in the housing, a scraper member associated with said gear wheel at a level above that of the shaft to which said gear wheel is connected, means defining a passage for conveying lubricant from the scraper member to the passage in the shaft, and means providing conduits for conveying lubricant from the passage in the shaft to parts requiring lubrication.

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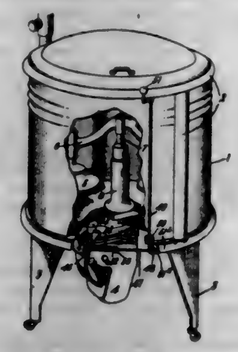
1,565,104. WASHING MACHINE. GEORGE E. RANDLES, Cleveland, Ohio, assignor to The Foote-Burt Company, a Corporation of Ohio. Filed May 27, 1924. Serial No. 716,254. 15 Claims. (Cl. 192—18.)



1. In a washing machine, the combination of a reciprocating washing device, a driving shaft, a clutch for connecting the shaft to and disconnecting it from said device, and operating means for the clutch, said operating means including a spring member through which the operating means moves the clutch.

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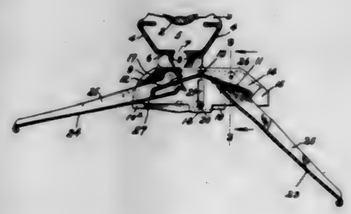
1,565,105. CLOTHES WRINGER. GEORGE E. RANDLES, Cleveland, Ohio, assignor to The Foote-Burt Company, a Corporation of Ohio. Filed Aug. 28, 1924. Serial No. 734,571. 8 Claims. (Cl. 68—32.)



1. In a reversible clothes wringer, an adjustable drain board comprising a member on each side of the wringer which at one time serves as a drain for water and at another time as a chute for the clothes, and means whereby when the drain board is adjusted the member which is to serve as a water drain is elevated and the member which is to serve as a clothes chute is lowered.

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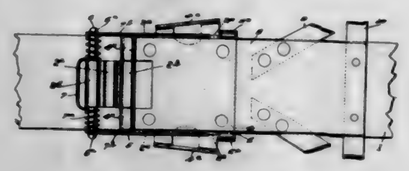
1,565,106. SKI BINDING. WILLIAM F. REACH, Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Aug. 6, 1925. Serial No. 48,610. 7 Claims. (Cl. 208—184.)



1. In a ski binding, a base plate having a toe plate pivotally connected therewith, and means for locking said toe plate against any pivotal movement.

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1,565,107. METHOD OF HYDRATING LIME. JOHN P. RICH, Swanton, Vt. Filed Dec. 29, 1924. Serial No. 758,772. 3 Claims. (Cl. 23—188.)

1. The method of hydrating lime which consists in adding to a charge of unground lime of known weight during agitation a calculated quantity of water to slake all the lime, continuing the agitation while admitting a jet of air to assist agitation and separate impurities, and withdrawing by suction the hydrated lime.

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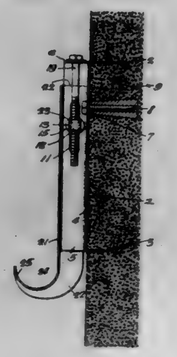
1,565,108. ADJUSTABLE WALL BRACKET. JAMES L. RILEY, Philadelphia, Pa. Filed Feb. 13, 1925. Serial No. 9,011. 3 Claims. (Cl. 248—17.)

2. A supporting bracket comprising a member of angular cross section having a rearward extension from one flange, said flange having a bolt hole, the other flange of said member having an inturned apertured ex-

tension and a longitudinal slot, a bolt suspended in said inturned extension and having an associated threaded part projecting through the slot, and a second angle



member having in one flange an opening for reception of said threaded part which projects through said slot and an outwardly projecting load-carrying extension.

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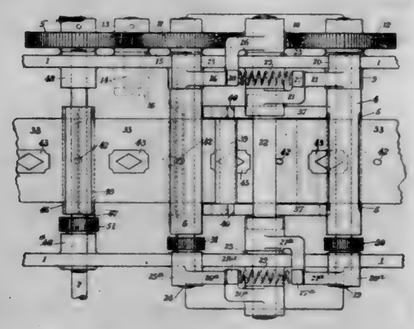
1,565,109. APPARATUS FOR FEEDING WEBS IN CORRECT REGISTER. WILLIAM ROSE, Gainsborough, England. Filed Mar. 1, 1923. Serial No. 622,232. 2 Claims. (Cl. 271—2.6.)



1. In apparatus for feeding webs in correct register, the combination of two pairs of rotatable rollers and a retarding device between said pairs of rollers, in which the retarding device consists of a plate secured to the frame-work and a brake-piece adapted to temporarily arrest the forward movement of the part of the web fed towards the said retarding device by the first pair of rollers by pressing slightly upon the web until it is drawn through the said retarding device, as hereinbefore explained.

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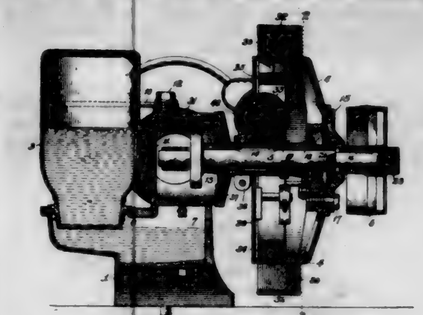
1,565,110. INTERNAL-COMBUSTION ENGINE. HOWARD F. SNYDER, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a Corporation of Iowa. Filed Oct. 26, 1921. Serial No. 510,458. 7 Claims. (Cl. 308—106.)

1. In a mechanism of the character disclosed, comprising a crank case, a cap plate therefor, a bearing integral with said cap plate, a shaft in said bearing and having an end thereof extending into the case, a cover plate secured to the other end of the shaft, a fan wheel secured to the cover plate, sealing means between the



fan wheel and the bearing, said cover plate enclosing the end of the bearing remote from the case for preventing leakage of lubricating fluid.

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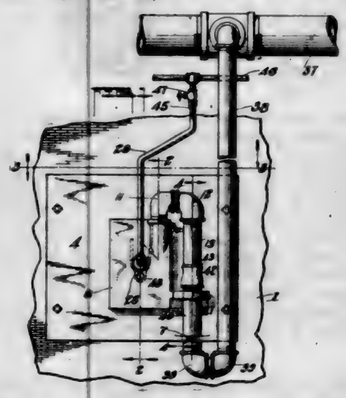
1,565,111. LIQUID-FUEL BURNER. JOHN SOMMER, Peoria, Ill. Filed July 22, 1922. Serial No. 576,816. 7 Claims. (Cl. 158—2.)



6. In an apparatus of the character described, in combination, with a furnace having a fuel inlet port a face plate attachable to the wall of the furnace and having an opening coinciding with the fuel inlet port, a door adapted to fit within the opening in the face plate and to cover the fuel inlet port, a burner nozzle on said door, a main conduit for air, pipe connections between said conduit and said door, means in said pipe connection for sustaining the weight of the door and providing a hinged connection between the door and said pipe connections, a feeder for liquid fuel, means connecting said feeder with the door for conducting the liquid fuel to the burner nozzle of the door, and a flexible connection in said last mentioned connection whereby the same may adapt itself to the swinging movement of the door.

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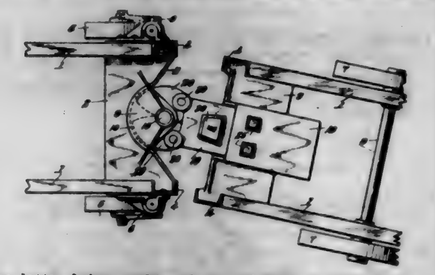
1,565,112. AUTOMATIC COUPLER FOR INDUSTRIAL TRUCKS. WILLIAM H. SOMMER, Peoria, Ill. Filed Oct. 16, 1922. Serial No. 594,874. 7 Claims. (Cl. 280—33.15.)

1. An automatic coupler, including coacting coupling mechanisms, one of which comprises a housing and a vertically disposed rod secured therein; the other of which comprises a draw bar recessed at its opposite ends.



one recessed end having slots in its walls, a pair of spaced resilient means in the latter recessed end, fixed means extending through the slots of the draw bar in the space between said spaced resilient means and engageable only with one of the latter at a time for permitting limited longitudinal movement of the draw bar,



the latter being cushioned at each end of such limit of movement of said resilient means, a pair of coacting coupling members pivotally connected with said draw bar in the opposite and recessed end and adapted to have coupling connection with said rod, and removable means adapted to hold the coupling mechanism in coupling relation.

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1,565,113. HOT TOP FOR INGOT MOLDS. WILLIAM H. SOMMER, Peoria, Ill. Filed Nov. 21, 1923. Serial No. 676,186. 8 Claims. (Cl. 22—147.)

1. A hot-top for ingot-molds, comprising a channeled body formed by inturned top and bottom flange, the flanges at the top end being of greater width than at the bottom end, and an insulating filling for said body with an opening therethru, in cross-section corresponding to the opening thru the top of said flanges and with the opening at the top of said mold.

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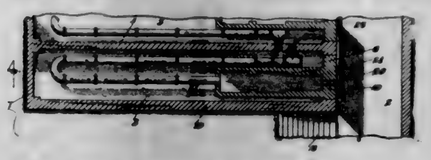
1,565,114. BAKER. WILLIAM H. SOMMER, Peoria, Ill. Filed Nov. 21, 1923. Serial No. 676,188. 5 Claims. (Cl. 263—38.)



1. In a baker, a plurality of spaced walls defining tunnels, frame work in the tunnels dividing same into upper baking chambers and lower firing chambers, a combustion chamber in each firing chamber at one end thereof having its sides spaced from the adjacent sides of the firing chamber, exhaust stacks in certain of the walls, and metal conduits in the respective firing chambers connected at one end to an end of the combustion chamber and extending therefrom to adjacent the opposite ends of the tunnels and thence returning along the opposite side wall of the tunnel to adjacent the front of the combustion chamber and extending into the stack of said side wall, and means to support the conduits from the frame work.

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1,565,115. SOLDER. JAMES BUCKNER SPEED, New York, and ARTHUR H. FALK, Brooklyn, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 11, 1924. Serial No. 685,666. 5 Claims. (Cl. 75—1.)

1. A solder consisting of substantially 11% silver and 86 to 89% tin.

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1,565,116. NECKTIE. HELEN SPENCER, London, England. Filed Feb. 24, 1925. Serial No. 11,346. 1 Claim. (Cl. 2—155.)

A scarf or necktie comprising two ends for tying, one of said ends having a tubular portion and being connected to the other by elastic material which when not in extended position is concealed within said tubular portion and which when in use occupies a position at the side of the collar, said other end of said scarf or necktie having a single hook adapted to engage any convenient part of the collar and to hold said other end against the tension of said elastic material during typing, whereby on release of said hook the knot automatically assumes its correct position in relation to the collar and is retained in said position.

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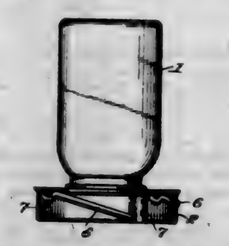
1,565,117. FEEDER. EDWARD STABBERT, Tacoma, Wash. Filed Nov. 11, 1924. Serial No. 749,263. 2 Claims. (Cl. 119—53.)



1. An automatic feeder comprising a receptacle and a pan, means for holding the mouth of the receptacle at any desired distance from the bottom of the pan, such means consisting of a collar attached to the receptacle and means for adjustably connecting said collar with the pan, such means consisting of arms carried by the collar and engaging spiral grooves in the walls of the pan.

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1,565,118. FOLDABLE BRACKET. JAMES C. STUGARD, Muncy, Pa. Filed Feb. 9, 1925. Serial No. 8,069. 2 Claims. (Cl. 248—20.)

1. A foldable bracket comprising an inner stationary member having an inner horizontal slot and an outer horizontal slot, the outer end of said outer slot having an inlet throat which opens through the upper edge of said member, an outer article-supporting member at the outer end of the inner member, said outer member having an

arm disposed at one side of said inner member a fastener passing through said arm and the inner slot of said inner member, and another fastener passing through the arm and the outer slot of said inner member, the first named fastener constituting a pivot for the outer member when the latter is shifted outwardly and swung to move the second named fastener through the throat of said outer slot, the lower side wall of said outer slot being provided at its inner end with an offset notch to normally receive and form a lock for second named fastener, whereby accidental outward sliding movement of said outer article supporting member is prevented.

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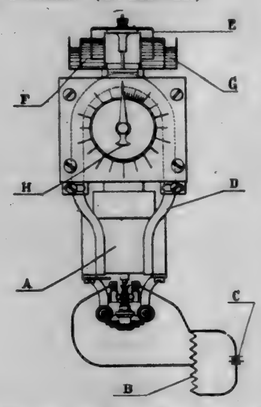
1,565,119. VISCOSIMETER. PIERRE JOSEPH THOMAS, Montrouge, France, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines à Gaz, Montrouge, France. Filed Feb. 13, 1924. Serial No. 692,573. 4 Claims. (Cl. 265—11.)




1. An apparatus for measuring the viscosity of a liquid comprising in combination a tank to contain the liquid to be tested, a bell depending into said tank and having its lower end adapted to be immersed in said liquid, a motor for rotating said bell at a speed governed by the degree of resistance offered by the fluid in said tank to the rotation of said bell, said bath being removably mounted on the frame of said motor and means for indicating the speed of rotation of said bell.

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1,565,120. INCINERATOR. JAMES W. THOMPSON, White Plains, N. Y. Filed July 9, 1923. Serial No. 650,331. 2 Claims. (Cl. 110—18.)

1. A receptacle for burning refuse, comprising a tubular woven wire body, reinforcing hoops secured to the woven wire body intermediate of its ends and adjacent the upper and lower ends thereof, the lower ends of the wires of the tubular body below the hoop being interlocked to form a plurality of supports for the receptacle, woven wire secured to the hoop adjacent the lower end of the receptacle and forming a bottom for said receptacle, and a woven wire cover for the receptacle.

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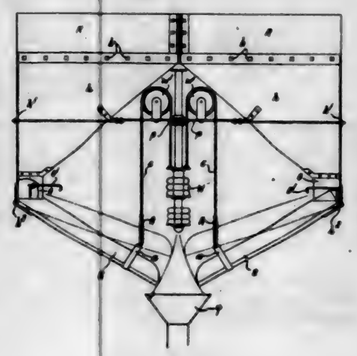
1,565,121. SILO OR BIN FOR THE STORAGE OF GRAIN OR THE LIKE. WILLIAM THOMPSON and WILLIAM REGINALD THOMPSON, Wexford, Ireland. Filed Nov. 26, 1924. Serial No. 752,490. 8 Claims. (Cl. 214—16.)



1. A hopper for use in a silo or bin for the storage of grain, said hopper divided by sloping side walls into a plurality of compartments, the side walls of adjacent compartments forming ridges and the ridges of all compartments being disposed about a common center, whereby the incoming grain is divided into a plurality of substantially uniform streams, each compartment formed with a discharge outlet in a region sufficiently remote from the ridges and the common center to prevent the formation of a vortex in the grain and spouts disposed beneath said outlets, said spouts hingedly connected with said hopper and directed towards one another so as to deliver beneath the common center.

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1,565,122. AUTOMOBILE FINISH AND FINISHING PROCESS. WONG Y. TIME, Honolulu, Territory of Hawaii. Filed Dec. 5, 1924. Serial No. 754,184. 4 Claims. (Cl. 91—68.)

2. In a body finish of the class described, a body, a priming coat on the body consisting of red lead mixed with twenty five per cent of coach japan, and fifty per cent of raw linseed oil; a second coat consisting of white lead in oil mixed with seventy per cent of boiled linseed oil, and sand applied thereto; and a third coat consisting of white lead in oil mixed with fifty per cent of boiled linseed oil, fifty per cent of finishing varnish and sand applied thereto.



1,565,123. SELF-CLAMPING AND SELF-ADJUSTING WINDOW SHADE AND CURTAIN-ROD HOLDER. VICTOR E. TRAGER, New Orleans, La., assignor of one-fourth to Frank P. Huber, New Orleans, La. Filed Nov. 24, 1923. Serial No. 676,774. 1 Claim. (Cl. 156—23.)

A device of the character described, comprising a pair of plates, each having an inbent top and side edge meeting each other at adjacent ends to engage about the top and side edges of a window frame at its corner, angle brackets secured to said plate medially of the same, tubular telescopically engaged housings, fixed to the bracket, a coiled retractile spring passed thru the housings and having its ends looped thru the brackets, and extensible shade and curtain holding devices associated with the plate.

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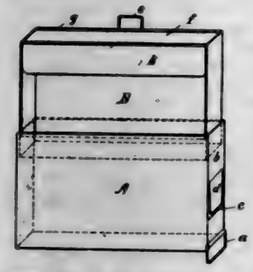
1,565,124. PROTECTING COVER FOR BANK NOTES, BONDS, AND THE LIKE. WILHELM VAGEDES, Munster, Germany. Filed Mar. 7, 1925. Serial No. 13,893. 1 Claim. (Cl. 129—43.)



Protecting cover for bank notes, bonds and other valuable papers, comprising in combination a protecting case open at one end, a box telescoped in said protecting case said box being open at one long side, a plate fixed on the inner surface of each end of said box at a short distance from this surface, a lid hingedly fixed to the free end of the bottom of said box, a flap at each end of said lid and designed to engage behind said plates, and a covering flap hingedly fixed on the free edge of said lid.

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1,565,125. PROCESS OF PRODUCING A BINDING AND WATERPROOFING BITUMINOUS SOAP FOR BINDING AND WATERPROOFING PAVING AND BUILDING MATERIALS. LEONARD SCHADE VAN WESTRUM, New York, N. Y. Filed Jan. 19, 1925. Serial No. 3,494. 2 Claims. (Cl. 87—16.)

1. A process of producing a binding and water-proofing bituminous soap for binding and water-proofing paving and building materials, which consists in mixing, while hot, 30–50 parts by weight of asphaltum, 3–8 parts of resin, 3–8 parts of linseed oil and 5–50 parts of caustic soda lye until saponification is complete.

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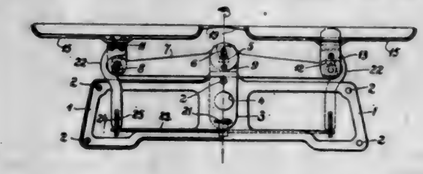
1,565,126. WEIGHING SCALE. RUDOLF VON FROMMER, Budapest, Hungary. Filed Feb. 28, 1925. Serial No. 12,390. 14 Claims. (Cl. 265—54.)

1. In a weighing-scale, the combination with pan holders, of two thrust rods directed downwardly from each of the pan holders respectively and forming the vertical members of a parallelogram, a scale-beam and a connecting rod arranged parallel to said scale beam, forming the horizontal member of said parallelogram, and a plurality of plates on each of said thrust rods having



their surfaces abutting and carrying edges on which the two ends of said connecting rods rest, thereby establishing connection between the said thrust rods and said connection rod.

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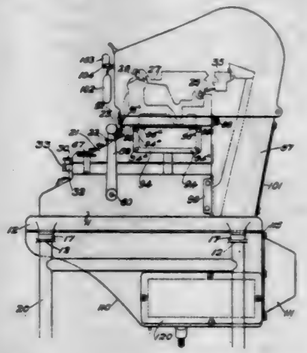
1,565,127. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 5, 1921. Serial No. 513,003. 12 Claims. (Cl. 197—186.)



1. Sound-deadening means for a computing machine having a typewriter-portion provided with a keyboard, and having a framework formed with openings in its side and rear, a computer-portion on which the typewriter-portion rests, a base upon which a portion of said computer-portion is supported, and various computer operating mechanisms beneath said base and carried thereby and controlled by said keyboard, said sound-deadening means closing the open parts of the machine and comprising plates closing said side and rear openings in said typewriter frame, a hood enclosing said typewriter-portion at the top and rear but leaving the keyboard exposed, and an open-top casing enclosing said computer operating mechanisms and fitting against the lower side of said base to be closed thereby.

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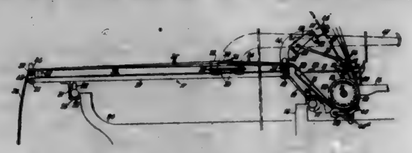
1,565,128. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 22, 1923. Serial No. 647,041. 18 Claims. (Cl. 197—126.)

1. In a typewriting machine, the combination of a platen mounted permanently in typing position, a platen-frame, releasable means for holding work-webs composed of a succession of forms and carbons interleaved therewith for line-space feed with said platen, a carrier for said carbons mounted for movement towards and from said platen, means for moving said carrier away from said platen with the composite web to clear the latter from said platen, and a gage at the delivery side

of said platen, movable from a position behind said work-webs, as they emerge from said platen, to a position in front of said platen, for gaging said work-



webs as they are drawn forwardly over said platen to effectuate a relative form-to-form shift between said work-webs and said carbons.

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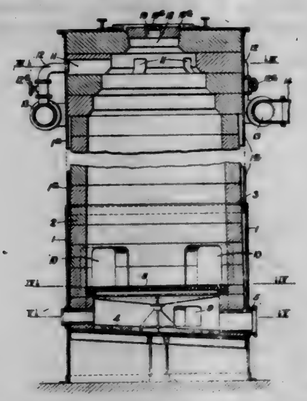
1,565,129. PROCESS OF FORMING ACTIVATED CARBON. GEORGE WIGHTMAN WALLACE, San Francisco, Calif. Filed May 15, 1925. Serial No. 30,506. 5 Claims. (Cl. 252—3.)



1. The process of preparing activated carbon which consists in subjecting carbonaceous materials in a closed chamber to downwardly traveling hot gases coming from a flame burning thereabove whereby a downwardly traveling zone of carbonization is produced, and cooling the carbonized material without access of air.

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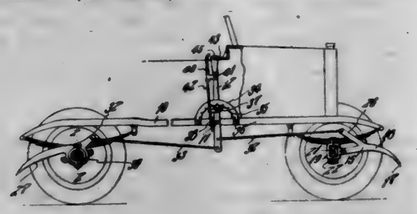
1,565,130. BRAKE. FRANK WATKINS, Huntington, Ind. Filed Feb. 28, 1925. Serial No. 12,367. 3 Claims. (Cl. 188—6.)



1. A brake mechanism for use upon automobiles comprising front and rear brakes respectively, the rear brake being pivotally secured upon the rear axle housing of the vehicle, a pair of clamping members arranged upon opposite sides of the rear brake and firmly engaging the rear axle housing thereof, extension members provided upon the inner end portions of the brakes, manually operated means pivotally secured to one of the side bars of the vehicle, and having pivoted connecting means to the lower end portion thereof and having their opposite ends correspondingly secured to the inner end portions of the brakes, manually operated spring retractile means arranged upon the manually operated braking means, an auxiliary locking means included upon the upper end portion of the manually operated means.

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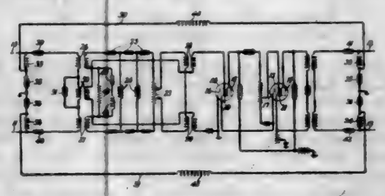
1,565,131. SIGNALING SYSTEM. RAY S. WILBUR, Lyndhurst, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 2, 1921. Serial No. 482,011. 8 Claims. (Cl. 179—4.)



1. In combination, a transmission line, an amplifying repeater, adjustable means between said line and said repeater for attenuating currents of a certain frequency range impressed on said repeater from said line, and a by-pass around said means for impressing other currents directly on said repeater without undergoing attenuation by said means.

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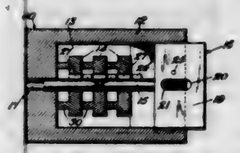
1,565,132. KEYLESS LOCK. MEADE WILDRICK and ALEXANDER GILCHRIST HATCH, Honolulu, Territory of Hawaii, assignors to W-H Keyless Lock Company, Limited. Filed July 28, 1924. Serial No. 728,770. 2 Claims. (Cl. 70—53.)



1. In a keyless lock, a casing provided with a recess and a longitudinal bore; a plurality of permutation discs in said recess, each having an integral annular flange, an axial bore and a keyway extending radially from said bore; the outer diameters of said flanges being less than that of said discs and the inner diameters thereof being greater than the diameter of said bore, said flanges serving to space said discs laterally and to form closed circular chambers between adjacent discs, the outer peripheries of said flanges being provided with circumferentially spaced notches; detent springs secured within said recess and engaging said notches to yieldingly maintain said discs in set positions; a bolt having a head and a shaft extending through the bores of said discs, slidably mounted in said casing bore; said shaft having projections adapted to enter said keyways and said circular chambers; and means for sliding said bolt.

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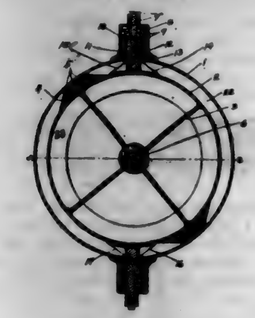
1,565,133. ROTARY MOTOR. ARTHUR J. WILLIAMS, Nashville, Tenn., assignor of one-fourth to Cheever J. Cameron, one-fourth to William F. Glenn, jr., and one-fourth to Ivo B. Glenn, all of Nashville, Tenn. Filed Apr. 13, 1922. Serial No. 552,438. 2 Claims. (Cl. 121—77.)

1. In a rotary engine, the combination of a cylindrical stator having side plates, a cylindrical rotor journaled in the stator and having annular end flanges, pistons on the rotor to cooperate with the stator, sliding



abutments on the stator to cooperate with the rotor, said flange and said end plates being provided with registering annular grooves, mating interfitting annular pack-



ing rings accommodated in said grooves, said rings being each substantially F-shaped in cross section, and springs confined between the rings pressing said rings apart.

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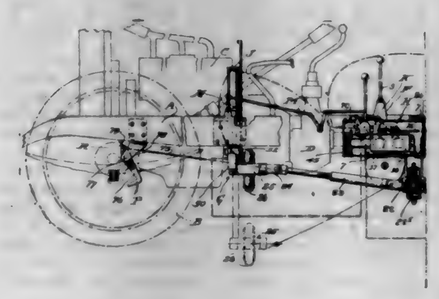
1,565,134. SUPPLEMENTARY TRACTION DEVICE FOR MOTOR VEHICLES. VILLOR P. WILLIAMS and MIRIAM S. F. WILLIAMS, Baltimore, Md.; said Villor P. Williams assignor to said Miriam S. F. Williams. Filed Oct. 8, 1924. Serial No. 742,400. 11 Claims. (Cl. 180—1.)



1. The combination with a prime mover and selective transmission means, of traction devices coupled with said transmission means for rotational movement, a closed system of fluid circulation including a pressure generating element coupled with said transmission means, means for controlling the generation of pressure in said system and means interposed in said system of fluid circulation and engaging said traction devices for moving the same in a vertical path upon increase or decrease of fluid pressure in the system.

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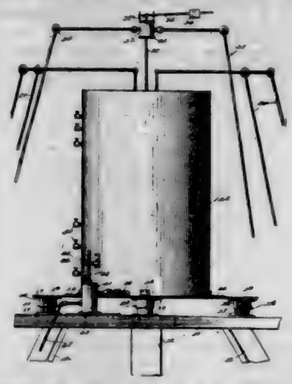
1,565,135. OIL AND GAS SEPARATOR. CLARENCE J. WOLFE, Quay, Okla. Filed Dec. 17, 1924. Serial No. 756,494. 2 Claims. (Cl. 183—2.7.)

1. A separator for gas and oil comprising a tank, means for yieldably supporting the tank and comprising a stationary structure, cross bars connected to the tank, and yieldable supports between the cross bars and the stationary structure, said yieldable supports comprising telescoping cylinders and coil springs within the cylinders and engaging the stationary structure and the cross bars; flexible supply line conveying commingled gas and oil to the tank, a pressure controlled gas outlet leading from the upper part of the tank, an outlet for the oil leading from the lower part of the tank, a valve controlling said outlet, and motion transmission



means between the tank and the valve for opening the valve as the tank moves downwardly and closing the valve as the tank moves upwardly.

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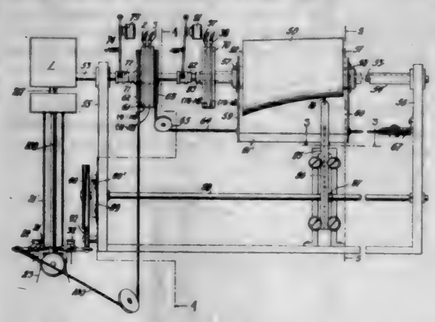
1,565,136. MEASURING AND RECORDING DEVICE. JAMES C. WRIGHT, Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 2, 1923. Serial No. 672,321. 5 Claims. (Cl. 234—1.5.)



5. A device for recording the value of relative humidity; comprising a geometrical surface representing relative humidity as a function of two variables, said surface being mounted upon a member with respect to which it is movable relative to the coordinates of one of the variables, and said surface and the member being movable together relative to the coordinates of the other of said variables; means comprising an automatically and periodically balanced electrical bridge to measure one of the variables; means associated with said bridge to move said surface relative to said member; means comprising an automatically and periodically balanced electrical bridge to measure said second variable; means associated with said bridge to move said member; means for recording the value of relative humidity; and means cooperating with said surface to control said recording means.

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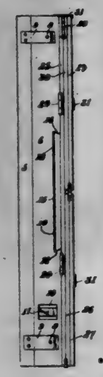
1,565,137. COMBINATION TOOL. STEFAN ZAOKIPNY, Moose Jaw, Saskatchewan, Canada. Filed Mar. 13, 1924. Serial No. 698,896. 1 Claim. (Cl. 33—89.)

In a tool of the type described, a two-part body portion, a plurality of pins carried by one part of said body portion, a plurality of apertured resilient clips carried by the other part and receiving the pins in said apertures for connecting said parts, one of said parts having an

opening therein entering the same from the face engaging the second part, a spirit tube in said opening and held therein by the last mentioned second part, said spirit tube adapting said body portion to function as a plumb, and scaled means attached to said body portion for permitting the scribing of right angle lines with one line extending truly vertical and the other truly hori-

zontal, said scaled means including a section hinged longitudinally to one part of the body portion and having one transverse edge squared and the other transverse edge beveled at a 45° angle, a section hinged to the squared edge to unfold into a position in longitudinal alinement with the first section, and a section having a transverse edge beveled at a 45° angle hinged to the similar edge of the first section and adapted to unfold to a position at right angles to the first two mentioned sections.

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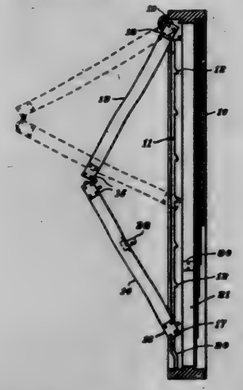
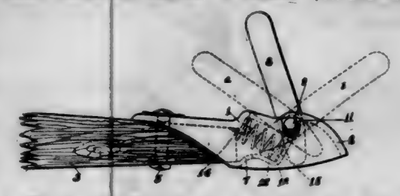
1,565,138. WINDOW CONSTRUCTION. PRICE ALDERFER, Souderton, and THOMAS F. CLEMENTS, Philadelphia, Pa. Filed Mar. 13, 1923. Serial No. 624,774. 1 Claim. (Cl. 20—42.)



In a window construction, the combination with a window frame formed with run-ways, plates at the top of said frame having slots communicating with the upper end of the run-ways, the slots in said plates curving outwardly away from the run-way and terminating at their upper end in a tapered shoulder, having an outwardly positioned depressed shoulder at their lower ends, hingedly connected sashes, and lugs on each of said sashes and movable in said run-ways, the lugs on the upper one of said sashes adapted to move in the slots in the plates and into the shoulder therein.

1,565,139. HAY-RETAINING DEVICE FOR HAY-STACKERS. ROBERT R. BOWERS, Branson, Colo., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa, a Corporation of Iowa. Filed Sept. 27, 1923. Serial No. 665,159. 6 Claims. (Cl. 214—144.)



1. The combination of a hay stacker tooth having a hollow point, a hay retaining finger pivotally supported thereon having a free rocking movement for a limited distance and adapted to yield rearwardly beyond said distance by pressure, and a spring operating to return said finger to its freely movable position when the pressure is relieved.

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1,565,140. RAIL CLAMP FOR PLANERS AND THE LIKE. FORREST E. CARDULLO and HOWARD W. HUNT, Cincinnati, Ohio, assignors to The G. A. Gray Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 24, 1921. Serial No. 480,214. 15 Claims. (Cl. 90—87.)

1. A rail clamping device for machines of the character described, comprising a rail, a pair of supports therefor, a pair of clamps pivotally fastened to the said rail and having clamping surfaces adapted to engage the said supports, a rotary shaft extending longitudinally of the said rail, and means operable by rotation of the said shaft and adapted to actuate the said clamps, the said shaft being adapted to move longitudinally to permit equal clamping action of the two clamps.

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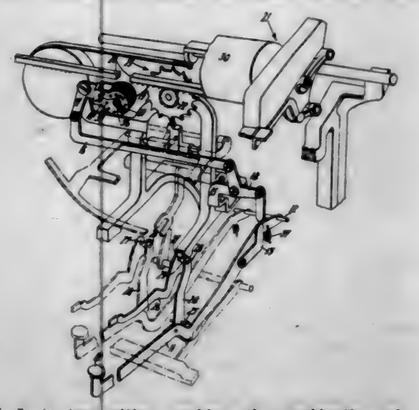
1,565,141. TYPEWRITING MACHINE. CORNELIUS B. CORCORAN, deceased, late of New York, N. Y., by Michael J. Corcoran, administrator, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 4, 1924. Serial No. 690,418. 14 Claims. (Cl. 197—84.)



1. In a typewriting machine, the combination of a carriage, letter-feeding mechanism therefor, a type, an element for operating said type and controlling the



operation of said letter-feeding mechanism, and selective means for automatically securing a variable number of blank spaces upon the operation of said type, including means controlled by said operating element at the operation of said type, for releasing the carriage from the letter-feeding mechanism and jumping the carriage forwardly a predetermined uniform number of spaces from substantially any position of the carriage in its travel, said means including a part adjustable to determine the number of blank letter-spaces jumped by the carriage.

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1,565,142. LIP-STICK HOLDER. CHARLES NEWTON CORYELL, Mamaroneck, N. Y. Filed Aug. 8, 1923. Serial No. 656,893. 2 Claims. (Cl. 206—56.)

1. In a holder of the character disclosed, concentrically disposed relatively rotatable tubular members, one having a longitudinal slot and the other a helical slot, an open-ended carrier guided in the inner tubular member and having a pin transverse of the carrier and extending beyond the side thereof at the bottom of the carrier providing a stop for an article in the carrier, said extended portion operating in the longitudinal and helical slots in the two members, the inner member being closed at one end by an operating head provided with a shoulder rotatably engaged by the adjoining end of the outer member, the opposite end of the inner member being open and having an outwardly turned flange rotatably engaging over the adjoining end of the outer slotted member, whereby said outer slotted member is rotatably confined between the shoulders provided by the head and out-turned flange at the opposite ends of the inner member, a casing fixedly engaged over the outer slotted member and a cover for the open end of the holder, said cover engaging over the end of the casing and said casing having an internal shoulder engaging over the out-turned flange on the end of the inner slotted tubular member.

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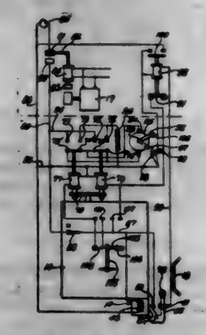
1,565,143. ELEVATOR-DOOR CONTROL. HAROLD J. FEAR, Montclair, N. J., assignor to Elevator Supplies Company, Inc., Hoboken, N. J., a Corporation of New Jersey. Filed Oct. 6, 1924. Serial No. 741,910. 22 Claims. (Cl. 187—52.)



9. In combination, a hatchway having floor landings, a car, a hoisting motor and means to cut out the same, gates at the landings and on the car, gate opening mechanism individual to each gate and means automatically actuated when the car nears a floor with the hoisting motor cut out to open the car gate and the landing gate at that floor only.

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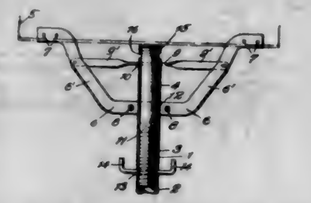
1,565,144. POST SUPPORT FOR RURAL-ROUTE MAIL BOXES. CHARLES S. HARRELL, Tower Hill, Ill. Filed June 1, 1925. Serial No. 34,045. 1 Claim. (Cl. 232—40.)



In a post support for rural route mail boxes, a post having an upper V-form seat and a reduced upper end above said seat, a sleeve revolubly and slidably mounted upon said reduced upper end and having a lower V-form extension engaging said seat, means carried by said sleeve for supporting a mail box comprising opposite strap irons having approximated lower ends having clamp bolt connections and upwardly extending arms bolted at their upper ends to said box, the said arms of each strap iron being divergent relative to each other and the arms of the opposite strap irons being also divergent relative to each other, each strap iron having a brace connecting the arms thereof and contacting centrally with said sleeve to prevent side sway of the said box, and a cap for said reduced upper end spaced from the upper end of said sleeve, the latter being vertically movable upon said reduced upper end to disengage said extension from said seat and revoluble to admit of reengagement of said extension and seat in a reversed position of said box.

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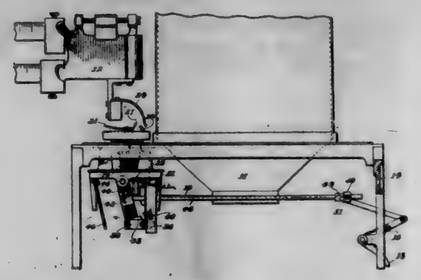
1,565,145. RADIODOLL. BEULAH L. HENRY, New York, N. Y. Filed Feb. 12, 1925. Serial No. 8,768. 2 Claims. (Cl. 46—40.)

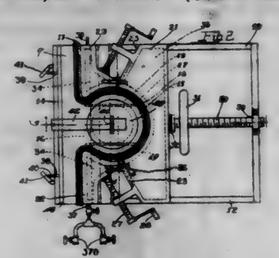
1. As a new article of manufacture, a hollow doll having a body and head portion, a radio cabinet disposed in the body portion with the panelboard thereof arranged flush with the rear surface of the doll, said surface having an opening therein to receive the panelboard, a loud speaker device located above the radio cabinet having the unit disposed within the head of the doll and the horn thereof extending downwardly and forwardly to the breast of the doll, said doll having an opening in the breast for the end of the horn, a supporting wall member mounted on top of the radio cabinet and acting as a support for the bell of the horn.

1,565,146. AUTOMATIC SCALE. CARL R. HERMAN, Crafton, Pa., assignor to James F. Cook, Crafton, Pa. Filed May 21, 1924. Serial No. 714,854. 2 Claims. (Cl. 249—63.)



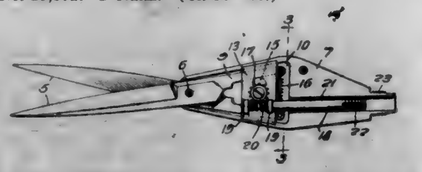
1. A cut-off for scales embodying a swaying beam, a sliding plate, a trigger positioned to hold the sliding plate in discharging position, a solenoid having a sliding core connected with the trigger, a source of electrical energy, a circuit including said source of energy and said solenoid, a switch introduced into said circuit and actuated by the sliding of the plate, and a second switch introduced into said circuit and actuated by the swaying of the beam.

1,565,147. CLOCK CABINET. WALTER J. HERSCHEDE and WALTER EBERHARDT, Cincinnati, Ohio, assignors to The Herschede Hall Clock Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 23, 1923. Serial No. 658,867. 7 Claims. (Cl. 144—256.)



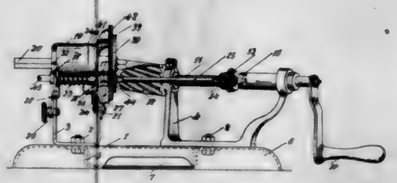
1. In a device of the class described, the combination of a fixed mold mounted on a base, a movable mold mounted for cooperative adjustment with the fixed mold, the fixed and movable molds having adjustable sections slidably mounted thereon, means carried by the base and movable mold for adjusting and clamping said movable mold and means carried by the movable mold for actuating the adjustable portions thereof.

1,565,148. POWER-OPERATED SCISSORS. WILLIAM L. HOFFMAN, Easton, Pa. Filed Apr. 1, 1925. Serial No. 19,872. 1 Claim. (Cl. 30—13.)



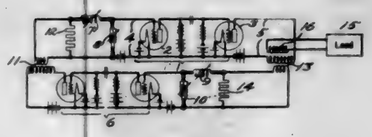
A motorized cutting implement comprising a two part casing externally shaped to fit within the closed hand, a partition seated in one part of such casing and held in position by the other part of the casing, pivotally connected blades mounted at one end of the casing and extending beyond the same as cutting portions and within the same below the partition as operating members, a rotating element supported in the partition and formed to actuate the operating members, and a shaft mounted in the upper portion of the casing and supported on the partition, said shaft operating said rotating element.

1,565,149. SHARPENER FOR PENCILS, CRAYONS, AND THE LIKE. CARL HOLENSTEIN, Oerlikon, Switzerland. Filed Dec. 8, 1923. Serial No. 679,421. 2 Claims. (Cl. 120—95.)



1. A sharpener for pencils, crayon pencils and the like comprising in combination a sharpening tool, a holder for the pencil mounted so that it is adapted to oscillate around an axis parallel to its central line, an abutment for said holder, means for pressing said holder against said abutment, clamping members movably mounted on said holder, a driving mechanism designed for rotating said holder, and means connecting said driving mechanism with said holder in such a manner that the clamping members are brought to the clamping position before the holder begins to rotate.

1,565,150. OSCILLATION GENERATOR. JOSEPH W. HORTON, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 9, 1923. Serial No. 650,293. 8 Claims. (Cl. 250—36.)

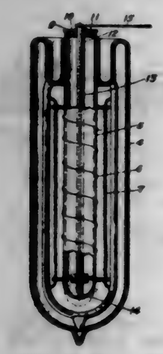


1. The method of generating oscillations which comprises regeneratively amplifying oscillations and alternately selecting and amplifying a plurality of times the wave of generated frequency during each cycle of regeneration.

1,565,151. ELECTRIC DISCHARGE DEVICE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1919. Serial No. 347,812. 34 Claims. (Cl. 250—27.)

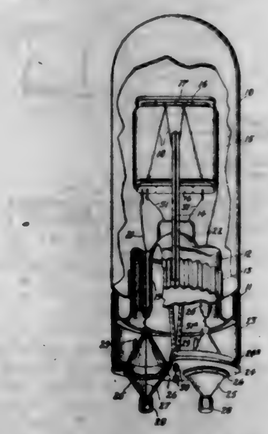
1. In combination, a space current discharge device comprising an evacuated envelope containing a plurality of electrodes, said device being normally operative, and automatic means responsive to a condition of said device for rendering said device inoperative.





27. An electron discharge device comprising an envelope, cathode, anode and control electrodes therein and a contact operable in response to temperature changes in one of said electrodes.

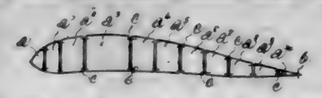
1,565,152. VACUUM INSULATOR AND ITS ASSEMBLY. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 26, 1920. Serial No. 426,454. 6 Claims. (Cl. 250—27.)



1. In an electric discharge device, a base, a unitary evacuated vessel of insulating material carried by said base, said vessel tapering conically toward the ends thereof, a leading-in wire of an electrode of the tube passing through said vessel, a cap mounted on one of said ends, and an electrical connection between said leading in wire and said cap.

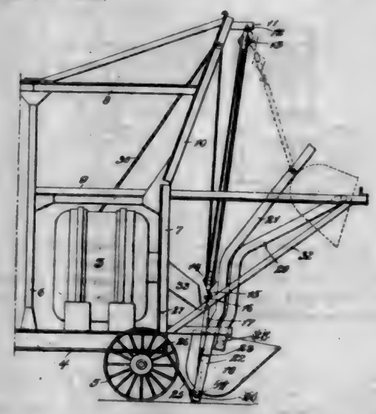
1,565,153. SUSTAINING AND STEERING SURFACE FOR AIRCRAFT. JEAN HUBERT, Paris, France. Filed July 10, 1922. Serial No. 573,994. 4 Claims. (Cl. 244—12.)

2. A sustaining or steering plane for aircraft comprising a plurality of elongated cells extending side-by-side in substantial parallelism, two opposite sides of the cells forming the surfaces of the plane and other opposite sides of the cells being in abutting relation with adjacent cells, and fastening devices located at points



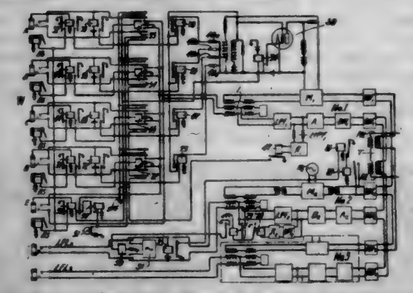
removed from the surfaces of the plane and extending in a direction transversely of the length of the cells to secure the latter together.

1,565,154. DISTRIBUTOR FOR CONCRETE MIXERS. CHRISTIAN J. HUG, Highland, Ill., assignor to The Hug Company, Highland, Ill., a Corporation of Illinois. Filed Nov. 22, 1923. Serial No. 676,433. 2 Claims. (Cl. 214—120.)



1. In a distributor for concrete mixers a bucket having a shaft secured to its bottom; guide-rollers mounted on the ends of said shaft; a channeled guide-member and a hinged lower extension thereof wherein said guide-rollers travel; other guide-rollers mounted on the sides of said bucket; a channeled guide-member arranged to receive said last-named guide-rollers; a bail affixed to said shaft and arranged to draw the bucket upwardly, its guide-rollers traveling in said guide-members, and tilting said bucket to discharge its contents.

1,565,155. CARRIER SIGNALING SYSTEM. JACOB S. JAMMER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 20, 1923. Serial No. 663,745. 14 Claims. (Cl. 179—15.)



1. In a carrier wave signaling system, a carrier wave channel, stations in which said channel terminates, a modulator at one station, a detector at another station, a plurality of low-frequency terminal circuits adapted

to be operatively associated with said modulator, a corresponding plurality of low-frequency terminal circuits adapted to be operatively associated with said detector, and means controlled in response to the taking for use of one of the first-mentioned terminal circuits for operatively associating it with the modulator and for operatively associating one of the second-mentioned plurality of terminal circuits with the detector.

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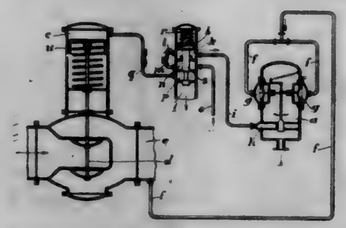
1,565,156. CONTROLLING DEVICE OPERATING BY THE AID OF A RELAY. CARL GUSTAF JANSON, Stockholm, and NILS PERSSON, Lidingon, Sweden, assignors to Aktiebolaget Vaporackumulator, Eriksbergsgatan, Stockholm, Sweden, a Corporation. Filed July 29, 1922. Serial No. 578,521. 35 Claims. (Cl. 137—139.)



18. A relay for control apparatus comprising a conduit carrying liquid under pressure, an aperture in the surface of said conduit, a throttling member normally spaced from said surface, means to slide said throttling member over said aperture.

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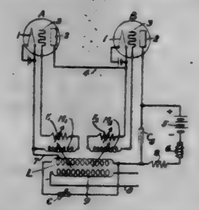
1,565,157. CIRCUIT ARRANGEMENT FOR DISCHARGE DEVICES. JOHN B. JOHNSON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 7, 1919. Serial No. 288,170. 22 Claims. (Cl. 250—36.)



1. An oscillation generator comprising a source of space current, a plurality of electron discharge devices having a plate circuit, grid circuits and a frequency determining circuit included in said plate circuit, means for coupling said plate and grid circuits, said devices beng arranged in series with each other with respect to said source for converting the energy supplied by said source into oscillations.

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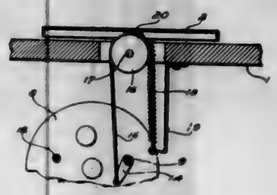
1,565,158. PHONOGRAPH STARTING AND STOPPING DEVICE. LOUIS JURENKA, New York, N. Y. Filed May 21, 1925. Serial No. 31,962. 2 Claims. (Cl. 58—14.)

2. In an automatic starting device for talking machines, a brake shoe acting as a starting member, a spring for moving the brake shoe to start the turntable of the talking machine, a cord acting to normally prevent said spring from functioning, a pulley wheel coacting with the cord, brake shoe and wheel for normally holding the parts so that the brake shoe will engage the turntable of the talking machine and thereby prevent its rotation, an arm having one end connected with said cord, an alarm clock formed with alarm mechanism, said arm at one end being connected with said alarm mechanism



whereby the same is held in a given position so as to prevent the spring from functioning until the alarm mechanism is released whereupon said spring will move said cord and said shoe, the movement of the shoe being to a lower point on said wheel, said movement of said shoe releasing and starting said turntable.

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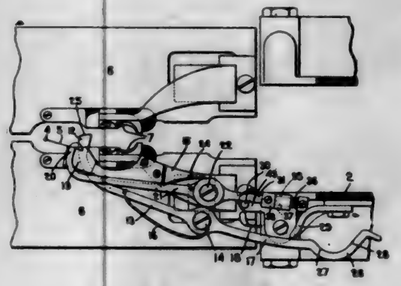
1,565,159. THREAD-TRIMMING DEVICE FOR SEWING MACHINES. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Buttonhole Machine Company, Boston, Mass., a Corporation of Maine. Filed Feb. 26, 1921. Serial No. 447,988. 8 Claims. (Cl. 112—252.)



1. In a sewing machine constructed to sew a short seam and then come to rest, the combination with stitch-forming mechanism and work-holding means movable relatively to each other, said stitch-forming mechanism including a needle, of means operative at the end of each seam to grip the needle thread between the needle and the work, means to cut the thread between the gripper and the work, and means rendered operative by such relative movement to actuate first the thread gripping device at the end of each seam, then to actuate the cutter to cut the thread, and also to actuate the cutter a second time after the next succeeding seam has begun to be stitched.

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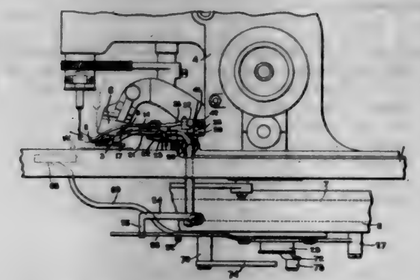
1,565,160. THREAD-TRIMMING DEVICE FOR SEWING MACHINES. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed June 5, 1922. Serial No. 566,010. 14 Claims. (Cl. 112—252.)

1. In a sewing machine, the combination with work-holding means and stitch-forming mechanism having a relative movement, of means operated by such relative movement to seise and hold the thread after the completion of the seam, and cam-operated means to cut the



thread between the thread-holding means and the work both at the end of the seam and at the beginning of the seam.

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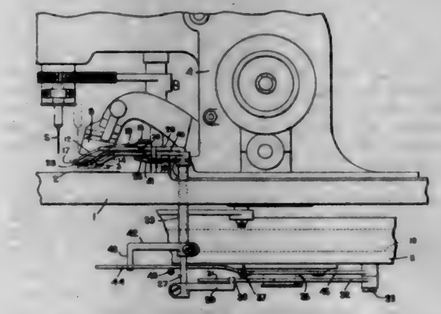
1,565,161. THREAD-TRIMMING DEVICE FOR SEWING MACHINES. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Original application filed June 5, 1922, Serial No. 566,010. Divided and this application filed Jan. 28, 1924. Serial No. 688,926. 4 Claims. (Cl. 112—252.)



1. In a sewing machine, the combination with a bed plate, of work-holding means carried thereby, stitch-forming mechanism, a thread-holding device mounted on the work-holding means, a rock shaft extending vertically through the bed plate and journalled therein, said rock shaft having fast thereto one arm above the bed plate for actuating the thread-holding means and another arm below the bed plate, a cam-actuated lever to engage the second arm thereby to oscillate the rock shaft, and means to cut the thread.

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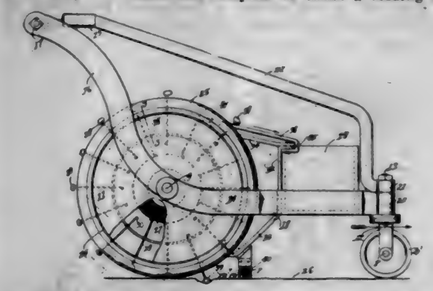
1,565,162. PRUNE HARVESTER. FRANK W. KING, Kellogg, Calif., assignor of one-half to Heber L. Nay, Sebastapol, Calif. Filed Sept. 5, 1924. Serial No. 736,181. 1 Claim. (Cl. 56—328.)

In a device of the character described the combination with a receptacle holding frame including a front steering wheel and a pair of driving wheels, a drum positioned between and rotatable with said driving wheels, a plurality of prune picking elements slidably carried in said drum, co-operating means carried by said drum and frame for periodically releasing said elements for penetrating and retaining thereon the fruit deposited on the ground, said means including flexible bands in frictional



contact with the fruit picking elements and secured to the outer periphery of the drum, and release members carried by the frame and adapted to cause a folding of



the flexible bands, and conveying means carried by said frame whereby the pierced fruit is conveyed to the receptacle of the frame.

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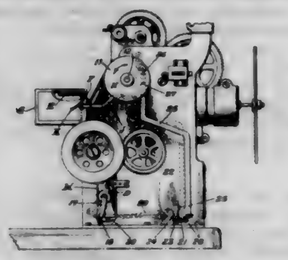
1,565,163. MOVING-PICTURE-PROJECTING MACHINE. LUKE KIRAL, Brooklyn, N. Y. Filed Nov. 3, 1924. Serial No. 747,624. 2 Claims. (Cl. 88—17.)



1. An attachment for moving picture projecting machines comprising a member adapted to be pivoted to the take-up sprocket shaft of the machine, a bell crank lever, a link connecting said member with said bell crank lever, a second link connected with said bell crank lever, and a pin and slot connection between said bell crank lever and the friction wheel of the machine, and spring means for holding said member under tension when said member is in co-acting engagement with a film strip.

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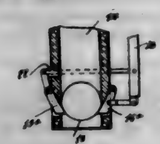
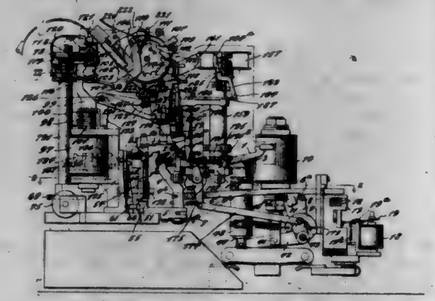
1,565,164. FARE REGISTER. WILLIAM C. KLEIN, Allentown, Pa. Filed Nov. 22, 1924. Serial No. 751,717. 1 Claim. (Cl. 194—6.)



A box having a coin chute, a vertically disposed armature adjacent said chute pivoted at one end, an electromagnet coacting with said armature, contacts extending into the passage way of the chute adapted to be bridged by a coin to energize the electro-magnet and thereby retract the armature, one of said contacts being carried by the armature and extending into the chute, a laterally extending arm on said armature having a detent for coin, said detent extending into the chute from the side thereof opposite to the last mentioned contact, and an operating member extending laterally from the armature.

1,565,165. TELEGRAPH PRINTER. EDWARD E. KLEINSCHMIDT, Chicago, Ill., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Filed June 21, 1920, Serial No. 390,598. Renewed Oct. 26, 1925. 103 Claims. (Cl. 178—27.)



1. In a selecting mechanism; a plurality of selector magnets; a movable pawl carrier, a plurality of pawls mounted on said pawl carrier and controlled by said selector magnets; and a plurality of movable selector bars controlled by said pawls; said pawls being in spaced relation in the direction of movement of said selector bars, with respect to each other.

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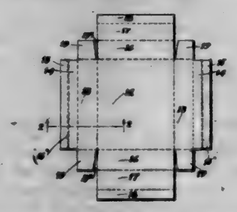
1,565,166. LEAKPROOF PAPER BOX AND METHOD OF MAKING THE SAME. ELIE W. LABOMBARDE, Nashua, N. H. Filed Apr. 10, 1922. Serial No. 551,030. 6 Claims. (Cl. 229—34.)



2. A box member blank creased to provide a plurality of lines for folding four marginal portions to form double-thick walls, two of said foldable marginal portions having tongue flaps extending from the ends of the inner sections, and the outer sections of said two foldable marginal portions having creases of greater depth than the other creases of the blank.

3. The method of making boxes for containing ice cream and the like, consisting in folding wall portions of the blanks, then waxing the blanks and finally converting the blanks to receptacle form.

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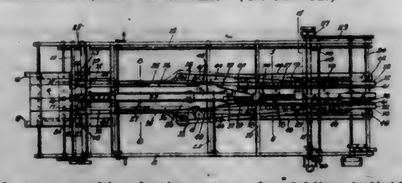
1,565,167. CARTON-MAKING MACHINE. HAROLD S. LABOMBARDE, Nashua, N. H. Filed Feb. 18, 1925. Serial No. 9,924. 31 Claims. (Cl. 93—41.)



1. In a machine having means for folding individual blanks to flat condition with adjacent edges, means for moistening areas of each blank near its edges, means for applying a strip of gummed tape to said areas, and means for causing the blanks to travel from the moistening means to the tape applying means in spaced and timed relationship to effect accurate location of the tape on the blanks.

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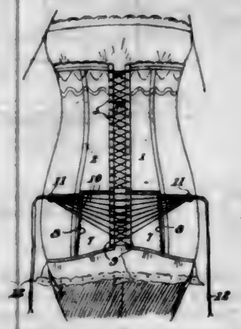
1,565,168. ATTACHMENT OR ADJUSTABLE BACK FOR CORSETS. KATE LOUISE LAMBERGER, New York, N. Y. Filed June 26, 1922. Serial No. 570,791. 1 Claim. (Cl. 2—29.)



In a corset of the type herein set forth, a body portion having its upper edge disposed adjacent to and upwardly of the waist line, the lower edge of the corset extending below the hip portions of the wearer throughout its circumference to present a long straight hip effect, the central portion of the lower end of the corset back being cut away with the side walls of the cutaway portion being disposed adjacent the sides of the hips of the wearer when in use, horizontally swinging closure flaps for the rear cutaway portion of the back overlying the buttocks with each closure flap having the outer vertical edge secured to the adjacent side wall of the cutaway portion to form a hinge connection therewith, each closure flap being substantially rectangular in plan view, the free adjacent vertical edges of the closure flaps being reinforced and parallel and having eyelets therein, lacing clusters associated with the eyelets and tying cords carried by the lacing clusters having their ends adapted to be secured together at the front side of the corset.

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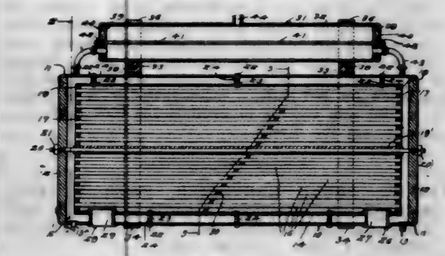
1,565,169. WATER-TUBE BOILER. MARTIN A. LAWSON, Middletown, Ohio. Filed Aug. 4, 1922. Serial No. 579,644. 1 Claim. (Cl. 132—140.)



A boiler having a water drum, end heads detachably secured to said water drum, a heater drum within said water drum, a tie rod carried by the heater drum and having its terminal extending through openings in said end heads, detachable fastenings on said terminals exteriorly of the drums and engaging said end heads to supplement the fastening of the end heads to the first drum, nipples connected to the drums and engaging opposite ends thereof to constitute inlet and exhaust openings respectively for the products of combustion, a live steam cylinder offset from the water drum, removable end heads for the live steam cylinder having threaded connection to the live steam cylinder, a tie rod extending longitudinally of the live steam cylinder and through its end head, fastenings on the terminals of the latter tie rod engaging the latter end heads, connections extending from the latter end heads to the water drum, blocks resting on the water drum inwardly of said connections, the live steam cylinder resting on said blocks, clamps surrounding the water drum, clamps surrounding the live steam cylinder, said clamps having their terminals in overlapping relation and disposed at the sides of the blocks, and fastenings passing through the terminals of the clamps and said block to secure the clamps and the blocks in place.



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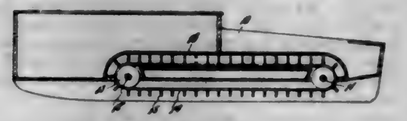
1,565,170. PROPELLING MEANS FOR BOATS. FRANK LE ROY, Aberdeen, Wash. Filed Jan. 28, 1925. Serial No. 5,345. 1 Claim. (Cl. 115—62.)



The combination with a boat having spaced longitudinal openings in the bottom thereof, an inverted channel member of U-shaped formation in cross section arranged within the boat and covering the adjacent opening, to prevent water from entering in the boat through said opening, the corresponding inner walls of the respective members reposing upon the adjacent edges of said opening, the corresponding outer walls of said members projecting through said opening, flanges projecting laterally from the last mentioned walls but reposing upon the sides of the boat to assist in holding said members in position, spaced parallel transverse shafts journalled on the walls of said channel members, spaced drums carried by said shafts and arranged in each channel member, an endless belt trained over each pair of drums, paddles carried by said belt and adapted to pass through the water with the lower rod run thereof, a crank portion formed on one of said shafts, and a reciprocating rod connected with said crank portion for rotating said shaft for the purpose specified.

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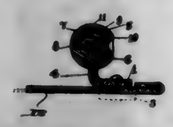
1,565,171. KNIFE HEAD FOR HARVESTERS. ROBERT C. LIVERAY, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Mar. 20, 1922. Serial No. 545,110. 6 Claims. (Cl. 56—303.)



6. A knife head formed of sheet metal and including a vertical web having a substantially hemispherical cup shaped projection on one side thereof with a central aperture, a member composed of two opposed substantially hemispherical parts, one of said parts having the same diameter as the inside of the cup and adapted to be positioned therein, the second part having the same diameter as the outside of the cup and co-operating with said cup to form a substantially spherical bearing, and a stud on the substantially hemispherical part in the cup extending into said aperture and expansible therein to hold said member and cup rigidly together.

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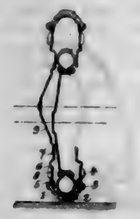
1,565,172. TIRE PROTECTOR. LUCIEN PAUL CÉLESTIN LOTTE, Paris, France. Filed May 20, 1924. Serial No. 714,714. 7 Claims. (Cl. 305—7.)



7. The combination with a wheel provided with a pneumatic tire, of a tire protector comprising two annular cheeks, an external roller path of flexible material and of U cross section, the outer edges of the said cheeks being secured to the edges of said roller path, and an internal roller path of metal disposed against the inner wall of the said roller path of flexible material, the edges of the said internal roller path being inwardly curved in such manner as to be separated from the inner wall of the roller path of flexible material, the inner diameter of said metal roller path being considerably larger than the outer diameter of the wheel including the pneumatic tire, and the said cheeks having a stepped transverse outline whereby the space between the cheeks in the part adjacent the periphery shall be considerably larger than the pneumatic tire of the wheels, and the said space in the portion adjacent the sides of the pneumatic tire at the upper part of the wheel shall be scarcely larger than the said tire.

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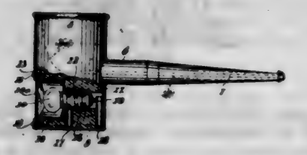
1,565,173. ILLUMINATING MEANS FOR SMOKERS' APPLIANCES. GEORGE LYESO, Kingmont, W. Va., assignor of one-tenth to Mike Hrib, Rosemont, W. Va. Filed Feb. 5, 1925. Serial No. 7,036. 3 Claims. (Cl. 240—2.)



1. In a device of the type described, the combination with a smoker's appliance, of a bulb socket embedded in said appliance, an electric bulb mounted in said socket, a conductor tube embedded in the appliance and contacting with said socket, and a second conductor tube embedded in the appliance and contacting the inner end of the stem of the electric bulb.

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1,565,174. REVOLVING-BRUSH CLEANER. JOSEPH A. MCANERNEY, New York, N. Y. Filed July 13, 1923. Serial No. 651,351. 1 Claim. (Cl. 15—48.)

In a vacuum cleaner, a nozzle having an open mouth at its lower end and adapted to be connected at its upper end to a source of vacuum, a rotary shaft journaled in said nozzle, traction operated means by which the shaft is rotated in one or the other direction according to the direction of movement of the vacuum cleaner, bristles on the shaft, a pair of combs in the nozzle one at each side of said shaft and composed of rods mounted for free rocking movement and spaced teeth on the rods, said rods and teeth being placed at substantially the same elevation with the shaft, the teeth being curved inwardly and upwardly and having upwardly projecting inner free

points to engage the bristles and knife edges along the upper portions of the teeth to cut the material received from the bristles, and stops in the nozzle beneath the rods

and adapted to engage the teeth to hold the latter in an approximately horizontal position, the upwardly moving bristles at the other side of the shaft adapted to swing the companion teeth upwardly to clean the same.

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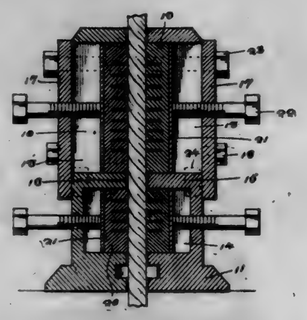
1,565,175. PACKER. JOHN M. MCCAWLEY, Perry, Okla. Filed July 25, 1923. Serial No. 653,798. 1 Claim. (Cl. 286—16.)



A casing head packer comprising a packing block formed of complemental sections, each of said sections including spaced side walls, a bottom wall, a top wall, a partition between the top and bottom walls and end walls connecting the bottom wall and partition, said top and bottom walls and said partition having substantially semi-circular recesses therein, means to secure the block sections together to provide a closed packing chamber and a second packing chamber having its opposite sides open, said semi-circular recesses providing axially alined openings at the top and bottom ends of said chambers for the passage of a string or cable, packing elements within each chamber to engage the string or cable, removable walls for the open sides of the second mentioned chamber and means to adjust the packing elements.

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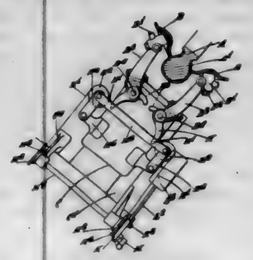
1,565,176. MACHINE FOR MAKING PNEUMATIC-TIRE COVERS OR CASINGS. COLIN MACBETH, Birmingham, England, assignor to The Dunlop Rubber Company, Limited, Regent's Park, County of London, England, a British Company. Filed Jan. 5, 1922. Serial No. 527,160. 9 Claims. (Cl. 154—10.)

1. Spinning down mechanism for tire making machines comprising spinning down members, a reciprocatory carriage of which said members are mounted, means for causing the said members to bear against the casing plies on the core with the requisite pressure, and means automatically operated during the forward stroke of the said carriage whereby the pressure with which the members bear against the plies is increased when the said



members are required to pass over the portions of the ply or plies to be laid on the beads of the casing being built up.

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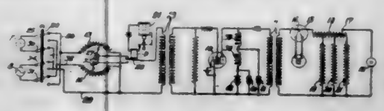
1,565,177. METHOD AND APPARATUS FOR COMPARING SOUNDS. DONALD MACKENZIE, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 25, 1922. Serial No. 556,486. 6 Claims. (Cl. 179—175.)



1. The method of comparing electric waves of different characteristics which comprises alternately and in rapid succession in strictly uniform intervals translating said waves into sound waves, and adjusting the relative intensities of the electric waves until the sounds appear to be of equal intensity.

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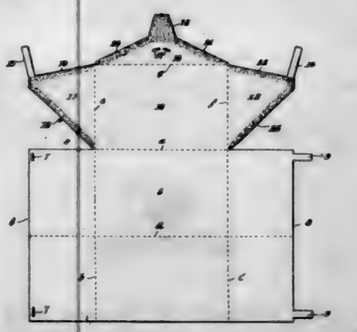
1,565,178. COMBINATION ENVELOPE AND LETTER SHEET. GEORGE MACKOVJAK, Johnstown, Pa. Filed Aug. 7, 1924. Serial No. 730,643. 1 Claim. (Cl. 229—92.7.)



In a combined letter sheet and envelope, a letter sheet blank of rectangular formation, foldable upon lines to provide a central portion and side extensions, one of the side extensions having a slot at the upper and lower ends thereof adjacent the outer edge, sealing tongues projecting outwardly of the edge of the other side extension and transversely alined with the slots to be received therein when the side extensions are folded inwardly to overlie the central portion, the envelope embodying a wall projecting upwardly from the letter sheet blank intermediate the side extensions and alined with the central portion, gummed triangular side flaps on the envelope wall, sealing tongues projecting outwardly from the upper edge of the side flaps, a gummed closure flap on the envelope wall and said closure flap having relatively angular slots each to receive a sealing tongue on the adjacent side flap.

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1,565,179. GUM BOTTLE AND THE LIKE. HARRY VICTOR MAJOR, London, England, assignor to Samuel Jones and Company Limited, London, England. Filed Nov. 29, 1924. Serial No. 753,000. 2 Claims. (Cl. 91—67.5.)

2. A fluid reservoir closure including a cap having a flat wall and a curved wall, the curved wall being extended beyond the flat wall to form a lip, the free edge of the lip being serrated, the flat wall adjacent its juncture with the curved wall being reduced in thickness to form a recess, and formed in the base of such recess with a slot, whereby to reduce the pressure necessary on the lip to open the slot to a degree to prevent loss of function in the lip serration under such necessary pressure.

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1,565,180. LACE-MACHINE CARRIAGE. GILES M. G. MAKIN, Pawtucket, R. I. Filed Jan. 29, 1925. Serial No. 5,485. 20 Claims. (Cl. 96—20.)

20. In a device of the type described, a carriage having a bobbin opening, a bobbin traveling in said opening, a pivoted member carried by the carriage for removably holding the bobbin in said opening and guiding it against lateral displacement in respect to the carriage, a spring for forcing the pivoted member toward the bobbin, a shoulder carried by the carriage, and a lateral projection carried by the pivoted member and bearing against the said shoulder for preventing the pivoted member from forcibly bearing against the bobbin.

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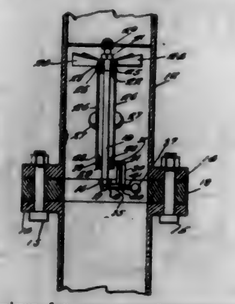
1,565,181. MIXER. SAM H. MANNING, Conroe, Tex. Filed Dec. 24, 1924. Serial No. 757,863. 3 Claims. (Cl. 48—180.)



1. A fuel mixer for use upon internal combustion engines, comprising a body member positioned between the intake manifold and carburetor therefor, a transversely extending bar provided in said body and having the lower end of a shaft secured thereto, a cross member secured to the upper end portion thereof, a pair of collar members arranged at spaced intervals on the upper portion of the shaft and adjacent the cross member, a rotatable hub member having a plurality of fan members extending from opposite sides thereof and arranged between the collar members, a pair of flexible members connected to the rotatable hub member and having the opposite end portions pivoted to a collar member mounted for rotation and reciprocation upon the shaft and means connected with said collar member for selectively opening and closing an air inlet port connected with the intake manifold of the engine.

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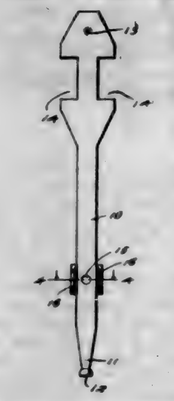
1,565,182. LUG AND HEEL-STRAP SUPPORT. HOMER MERONEY, Lancaster, S. C. Filed Jan. 8, 1925. Serial No. 1,222. 1 Claim. (Cl. 139—154.)



A lug and heel strap support comprising an elongated body, means at the lower end of said body for connection to a heel strap, said body having an opening adjacent said ends, guards integral with the body at opposite edges thereof in line with the opening, and said body adjacent its upper end having an opening and notches below said opening, said notches being in opposite edges of the body and adapted to receive a lug strap.

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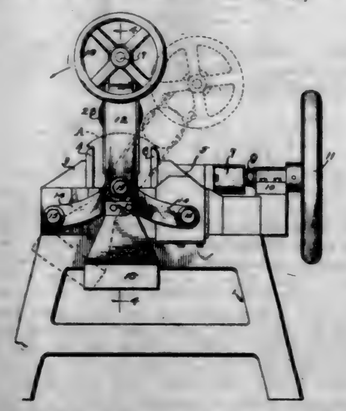
1,565,183. APPARATUS FOR BACKING BOOKS. LOUIS W. MEYERS, Chicago, Ill. Filed Sept. 19, 1924. Ser. No. 738,713. 4 Claims. (Cl. 11—5.)



3. In a device of the character described, a vise, a frame pivotally mounted over said vise, a horizontally extending shaft carried by said frame, vertically extend-

ing shafts arranged at opposite sides of said frame and connected to said horizontally extending shaft to be rotated thereby, said shafts being provided with threaded portions, roller boxes mounted on the threaded portions of said shaft, and a roller arranged between said boxes and supported thereby to permit rotation.

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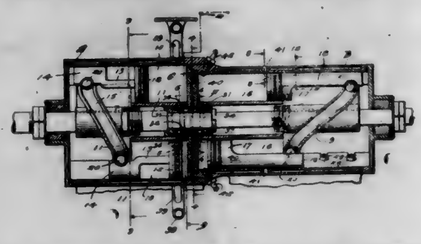
**1,565,184. INTERNAL-COMBUSTION ENGINE.** LLOYD W. MILLER, Bessemer, Pa. Filed Nov 10, 1923. Serial No. 674,038. 7 Claims. (Cl. 123—66.)



7. An engine of the class described having walls therein providing compression chambers and firing chambers, said walls terminating short of the end walls of the engine, pistons movable in said chambers, spirally grooved members, a shaft carrying said members and journaled centrally with respect to said chambers, the pistons having means extending therefrom and engaged in the spiral grooves of said members, a partition between the compression chambers and firing chambers, said walls having ports on opposite sides of said partition, a valve carried by said shaft having passages therethrough whereby compressed fuel may pass through the same and said ports from the compression chambers to the firing chambers, the engine having exhaust passages leading from the firing chambers, and passages in said partition serving as auxiliary exhaust outlets.

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**1,565,185. LITHOPONE PRODUCT AND PROCESS OF MAKING THE SAME.** JOHN L. MITCHELL, New York, N. Y. Filed Oct. 6, 1922. Serial No. 592,869. 8 Claims. (Cl. 134—78.)

3. The process of manufacturing a lithopone product which includes quenching the lithopone in a solution of a soluble alkaline earth salt to form a coating and then changing this alkaline earth salt into an insoluble one.

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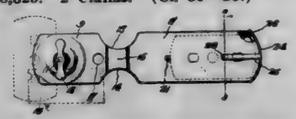
**1,565,186. RAZOR-BLADE HOLDER.** DON PARDEE MOON, Kokomo, Ind. Filed Aug. 22, 1924. Serial No. 733,629. 2 Claims. (Cl. 30—25.)



1. A razor blade holder comprising, a pair of plates spaced apart at one end to provide a handle and being bent toward each other intermediate their ends and reduced in width thereat to provide a finger hold and a pair of spring arms, the other ends of the plates being spaced apart a slight distance to provide jaws and being concave at their inner sides, and a clamping screw secured through the concave portions and arranged to bind against the outer convex sides of the jaws to draw the same toward each other, said jaws being adapted to receive a blade in edgewise relation therebetween, said spring arms and said concave portions of the jaws adapted to cause the gripping of the edge portions of the jaws upon said blade.

**1,565,187. TENSION DEVICE FOR SHUTTLES.** CHARLES FREDERICK MOORE, Norwich, Conn., assignor to The Schwarzenbach Huber Co., West Hoboken, N. J., a Corporation of New Jersey. Filed June 26, 1924. Serial No. 722,583. 1 Claim. (Cl. 139—215.)

A take-up and tension device for shuttles, comprising means for guiding the thread over a certain path as it is pulled so that it will automatically be fitted into the correct position, said means including a pair of overlapping members forming a passageway, said members at the point of overlapping being spaced apart sufficiently to permit the thread to pass therethrough, a plurality of spaced stationary arms having hooks arranged adjacent said thread guiding means, a plurality of fingers co-acting with said hooks, and resilient means for causing said fingers to press the thread so that it will frictionally engage said hooks.

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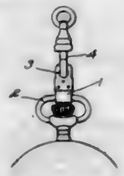
**1,565,188. ATTACHING DEVICE FOR WATCHES.** DAVID R. MORGAN, Farmville, N. C. Filed Sept. 16, 1922, Serial No. 588,678. Renewed Oct. 15, 1925. 1 Claim. (Cl. 63—21.)



A watch attaching device of the character described comprising a looped strap, reinforcing plates secured to the ends of the straps and provided with openings registering with like openings in the strap, tongues formed on the inner end of each reinforcing plate and bent against the strap in confronting relation, and said plates being indented into the strap for further retaining the tongues against relative movement.

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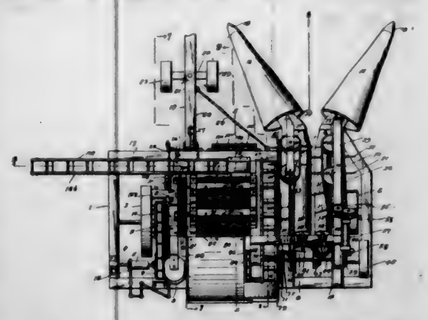
**1,565,189. CORN HARVESTER.** ROBERT L. MORGAN, Williamsville, Ill. Filed Jan. 5, 1922. Serial No. 527,137. 4 Claims. (Cl. 56—112.)



4. A harvester having spaced beams, said beams at their forward ends extending away from each other, gathering members of substantially conical form, said members being hollow, said beams extending into said members through the larger ends thereof, axle connections within said members and between said members and the forward ends of said beams, snapping rollers in the rear of said beams, and feed elements for the stalks associated with said snapping rollers, one of said elements terminating short of the rear end of the rollers to provide a lateral discharge passage over the last mentioned roller.



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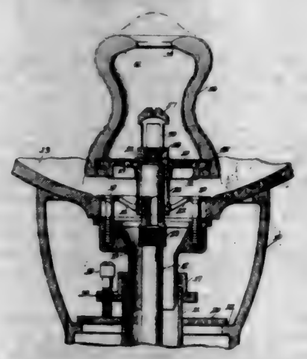
**1,565,190. BUBBLER HEAD.** PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Original application filed Nov. 12, 1919, Serial No. 337,494. Divided and this application filed Oct. 10, 1923. Serial No. 667,712. 4 Claims. (Cl. 299—12.)



1. In combination, a bubbler head having an internal circumferential groove, an interrupted rib below said groove, a supply pipe extending through the lower end of said bubbler head, a plate having a drainage opening mounted on said pipe, and radially projecting lugs on said plate adapted to engage the groove in said bubbler head.

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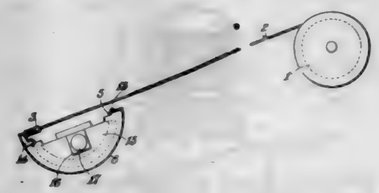
**1,565,191. CANOPY HOLDER.** VIRGINIA P. NELSON, New York, N. Y. Filed Mar. 13, 1925. Serial No. 15,417. 4 Claims. (Cl. 135—5.1.)

1. A device of the character described comprising a post adapted to be secured to a bed, an arm on the upper end of the post, a canopy holder removably connected to the arm and comprising a collapsible spider, couplings at the ends of the spider members, and flexible strips interposed between the couplings and at their ends engaging the couplings and forming a circular member.

**1,565,192. METHOD AND APPARATUS FOR APPLYING PRINTING SHEETS TO THEIR CYLINDERS.** MALCOLM OWEN, London, England. Filed Feb. 12, 1924. Serial No. 692,409. 7 Claims. (Cl. 153—40.)



1. Method of preparing a printing sheet for immediate application to a printing cylinder having a gap consisting in forming the sheet of correct length, and stressing the sheet, and while the stress is maintained, bending the sheet over sharp edges spaced apart by a convex segmental surface of a length equal to the circumference of the printing cylinder less the width of the gap, whereby as a continuous operation first one end of the sheet is folded over, then the sheet bent, and finally the other end of the sheet folded over, the spacing and forming of the fold being such that it will coincide exactly with the longitudinal edges of the cylinder gap when a sheet has been applied to the cylinder.

2. A rotatable segmental former for preparing a printing sheet for immediate application to a printing cylinder having a gap, having a convex surface of a length equal to the circumference of the printing cylinder to which the sheet is to be applied, less the width of the gap, an edge at each end of the convex surface corresponding to the longitudinal edges of the cylinder gap, and means for varying the length of the said surface.

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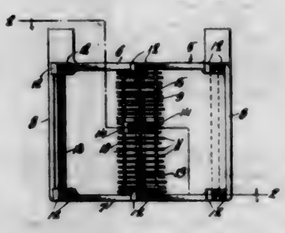
**1,565,193. STORAGE BATTERY.** RICHARD B. OWEN, Washington, D. C. Filed Dec. 22, 1919. Serial No. 346,556. 3 Claims. (Cl. 136—143.)



1. A storage battery electrode including a grid thickened at predetermined points and having each thickened point channeled through to the surface of the grid to provide parallel lugs, and insulation deposited between said lugs to engage the grid surface and projecting beyond the outer extremities of the lugs.

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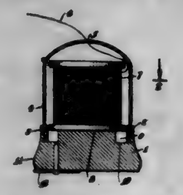
**1,565,194. DENTAL FLOSS CONTAINER.** ALLISON E. PALMER, Winsted, Conn., assignor to Belding Bros. & Co., New York, N. Y., a Corporation of New York. Filed Nov. 7, 1924. Serial No. 748,320. 3 Claims. (Cl. 242—138.)

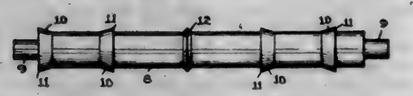
1. In a dental floss container, the combination of a base having an upstanding annular flange formed with an integral screw-thread, and a portion inside said flange

on which a spool of dental floss is adapted to be supported, and a glass dome having an opening therethrough for the passage of dental floss directly from the spool,



and having an external screw-thread about its lower edge portion, adapted to screw into said flange, to removably surround the spool.

1,565,195. COFFIN-RETAINING DEVICE FOR HEARSES. WILLIAM B. PASSELS, Pleasantville, N. J. Filed Apr. 1, 1924. Serial No. 703,471. 3 Claims. (Cl. 214—84.)

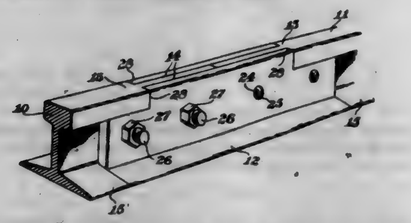


1. In a coffin retaining device, rollers adapted to support a coffin when in a hearse, each of the said rollers having circumferential shoulders integral therewith with relatively sharp edges, the said rollers having coffin supporting surfaces between the shoulders to limit the action of the edges of the shoulders on the bottom of the coffin, substantially as described.

1,565,196. TREATMENT OF SILK SHREDS. VITTORIO PIANA, Chiavazza, Italy, assignor to Cugnolio Piana and C., Chiavazza, Biella, Italy. Filed Mar. 21, 1923. Serial No. 626,705. 3 Claims. (Cl. 19—66.)

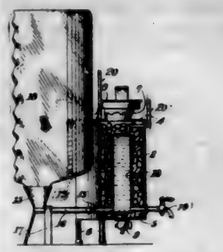
1. A method of recovering silk from silk crop waste, comprising, treating silk crop waste in a closed chamber heated from the outside to a temperature at which the vegetable matter usually mixed with silk crop waste is made dry and friable, and then subjecting the waste to a crushing operation and separating the silk from the pulverized vegetable matter.

1,565,197. RAIL JOINT. SAMUEL PORTE, Sydney, Nova Scotia, Canada. Filed Nov. 17, 1924. Serial No. 750,425. 4 Claims. (Cl. 238—177.)



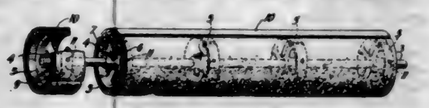
3. The combination with a pair of rails, having their ends partially cut away to leave the web and a portion of the tread, of a joining plate comprising a common base, a pair of spaced plates adapted to form webs and treads and having the ends partially recessed adjacent the top and means for rigidly securing the joining member and the rails together.

1,565,198. COOLER. ELI RASHETA, West Allis, Wis. Filed Feb. 10, 1923. Serial No. 618,293. 2 Claims. (Cl. 62—143.)



2. A cooler for the purpose described including a chamber having concentric arcuate walls whereby the chamber is adapted to fit around a water bottle or the like, a series of independent fluid receiving chambers held in the first chamber and spaced throughout therefrom, said chambers being likewise spaced from each other whereby each fluid receiving chamber may be entirely surrounded by ice, faucets each leading from a respective fluid receiving chamber and extending through the convex side of the first chamber, inlet pipes each extending through a remaining wall of the first chamber and communicating with a respective fluid chamber, and bottle neck receiving funnels connected to the inlet pipes.

1,565,199. ROLL FOR IRONING MACHINES. CHARLES E. REDDIG, Kew Garden, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 28, 1921. Serial No. 503,937. 3 Claims. (Cl. 68—9.)



1. A roll for ironing machines comprising a support having a recess therein, a sheet metal cylinder mounted thereon with the adjacent longitudinal edges of the cylinder separated to form a slot registering with said recess, and a fabric cover wound around said cylinder, one end of said fabric disposed within said slot and recess and held therein by the clamping action of the abutting ends of the cylinder.

1,565,200. METHOD OF MAKING CORES FOR CATHODES OF VACUUM TUBES. HOWARD T. REEVE, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 12, 1920. Serial No. 416,464. 2 Claims. (Cl. 250—27.)

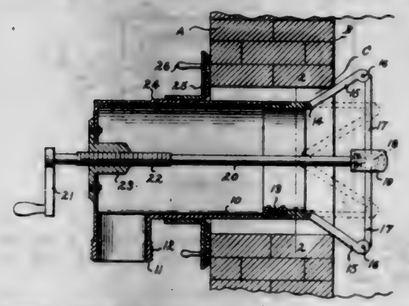
1. The method of making a core for an electron-emitting cathode which comprises mixing metals, including platinum and nickel in powdered form, the proportion of platinum to nickel being that desired in the core, pressing the mixture into a coherent ingot, heating the ingot to a sintering temperature in the absence of oxidizing conditions, and cold working the ingot into filamentary form with annealing of the work at high temperature, at intervals, the early stages of the cooling being done in the absence of oxidizing conditions.

1,565,201. FLUE CLOSER. WILLIAM REICHERT, Shenandoah, Pa. Filed Mar. 29, 1923, Serial No. 628,587. Renewed May 4, 1925. 3 Claims. (Cl. 126—319.)

1. A device of the character described comprising an elongated cylindrical member disposed within a flue opening, a collar screwed onto said cylindrical member



and bearing against the outer surface of the wall at the flue opening, a ring secured within the inner end of said cylindrical member and carrying ears, arms pivotally connected with said ears, a nut member mounted in the outer end of the cylindrical member, a rod screwed

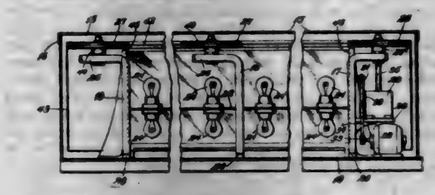


through said nut member and equipped with turning means, a yoke swiveled upon the inner end of the rod, and links pivotally connected with the free ends of said arms and pivotally connected with each other within the confines of said yoke.

1,565,202. ADJUSTABLE FASTENER DEVICE. HERMAN REITER, New York, N. Y. Filed Jan. 9, 1925. Serial No. 1,429. 1 Claim. (Cl. 24—206.)

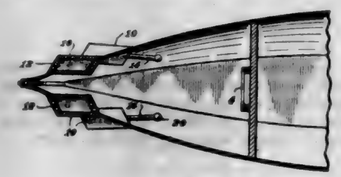
In combination, a layer of fabric, an apertured plate disposed against one side thereof, a second plate disposed against the other side thereof, the apertured plate having prongs adapted to be bent up at the ends thereof and project through the fabric, the second plate having notches in its ends adapted to receive the prongs, the ends of the prongs adapted to be bent back against the rear face of the second plate whereby the two plates are held together with the fabric therebetween, a U-shaped spring member disposed with its limbs lying along the edges of the apertures of the first plate and projecting slightly thereover, and a plurality of lips struck up from the metal of the first plate, said lips being curved over to embrace the spring member throughout its length to hold it in place.

1,565,203. CHANGEABLE EXHIBITOR. CHARLES ROEMER, Jamestown, N. Y., assignor to The Pandora Sign Corporation, Jamestown, N. Y., a Corporation of Delaware. Filed Oct. 11, 1924. Serial No. 743,074. 5 Claims. (Cl. 40—32.)



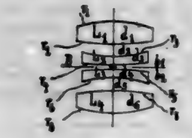
1. In a changeable exhibitor, a plurality of supports, a plurality of pulleys carried by the supports and arranged in a common plane and having their peripheries grooved, means for driving one of said pulleys, means for adjusting another of said pulleys toward and away from the first named pulley, an endless carrier belt having its inner face conforming in shaping to the grooves of the pulleys and fitting into the grooves of all of said pulleys, a perforated skirt secured to the outer face of said carrier belt and freely depending therefrom, said pulleys being of greater diameter than the width of any portions of said supports arranged between the opposed portions of the skirt whereby said skirt is free from engagement with said supports.

1,565,204. SHIP CONSTRUCTION. EMMA M. SNYDER ROWSON, Haddonfield, N. J. Filed Sept. 30, 1924. Serial No. 740,810. 3 Claims. (Cl. 114—66.)



3. In a ship construction, a water-tight observation compartment in the bow of the hull of a ship, upper and lower sets of observation housings carried by the bow of the hull of the ship and extending outwardly therefrom, the upper set of housings having both their inner and their outer ends transparent, levers swivelly carried by the lower sets of housings and illuminating means carried by said levers.

1,565,205. PHOTOGRAPHIC OBJECTIVE. PAUL RUDOLPH, Kleinbiesnitz, near Gorlitz, Germany. Filed Sept. 1, 1922. Serial No. 585,705. 1 Claim. (Cl. 88—57.)

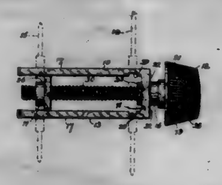


In an objective, with middle diaphragm, composed of four members separated from another by air the convex surfaces of the two convex-concave diverging members which form the inner constituents facing one another and the two collecting members which form the outer constituents having the stronger curvature turned to the outer side, the air distance between the two diverging members being smaller than the sum of the two distances between the diverging lenses and the collecting lenses, the arrangement that, as regards, radii, thicknesses and distances between the lenses the two halves of the objective are each proportional to the other and as regards glass materials the two halves of the objective are equal the one to the other.

1,565,206. RADIO COIL MOUNT. GEORGE F. RUZICKA, Bohemia, N. Y. Filed Jan. 14, 1925. Serial No. 2,339. 1 Claim. (Cl. 171—119.)

A mount comprising a support comprising parallel guides and a crosspiece between the guides at adjacent ends thereof; said crosspiece having a bearing boss; a bushing in said bearing boss, an element having a relatively long screw-threaded portion and a reduced plain portion and a screw-threaded extremity, the plain portion being disposed in said bushing for rotatably supporting said element, a nut connected to said screw-threaded extremity and serving with said crosspiece to hold said support fixed to a panel or the like, a manipulator knob attached to said nut, a carrier having holes

and a screw-threaded bore, the holes in said carrier respectively receiving said guides to prevent the carrier from turning the relatively long screw-threaded portion being extended in the screw-threaded bore in said carrier



so that upon the manipulator knob being turned the carrier will be slid along said guides, and a second carrier supported by said guides and held against movement thereon and with respect to which said first carrier is moved toward and away from the same.

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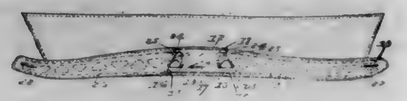
1,565,207. STIFFENER FOR COLLARS. JOHN SAUL, Jersey City, N. J. Filed Sept. 27, 1922. Serial No. 590,926. 2 Claims. (Cl. 2—132.)



1. In a stiffener for collars, a member of relatively rigid but flexible material, ears formed on the upper edge of the member in spaced relation to each other, the said member having recesses between the ears and the edge of the member forming clearances, and a collar having a portion of the outer side of the neckband removed in that part of the collar adapted to fit at the back of the neck, the edges of the outer side of the neckband fitting between the ears and the edge of said member whereby the member is prevented from slipping with relation to the collar to which the member is applied.

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1,565,208. FINISHING WELT. ROBERT C. SCHEMMEL, Union City, Ind., assignor to The Backstay Machine & Leather Company, Union City, Ind., a Corporation of Indiana. Filed Feb. 2, 1925. Serial No. 6,363. 6 Claims. (Cl. 155—184.)

1. A finishing welt of the blind-nail type including in combination a tack-receiving base, and an independent tack-concealing welt body permanently secured to said base by fastening means passing through said body and spaced inwardly from th edge thereof, said fastening means connecting said welt-body to the base.

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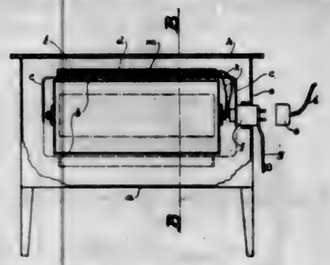
1,565,209. ELECTRIC TOY COOKING STOVE. WALDEMAR SCHWARZENHAUER, Eltersdorf, Germany. Filed Feb. 20, 1925. Serial No. 10,652. 3 Claims. (Cl. 219—35.)

1. An electric toy cooking stove with only one single heating element comprising in combination with a baking tube in the toy cooking stove having the usual top plate, a U-shaped member pivotally mounted on the side walls of said baking tube, a flat frame-shaped heating element on the top of said U-shaped member, and means for rotating said U-shaped member from the outer side of the



cooking stove to bring said heating element to any desired position with regard to the top plate and the baking tube.

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1,565,210. PLIER WRENCH. HARVEY W. SEIBER, Dover, Ohio. Filed Sept. 3, 1924. Serial No. 735,645. 1 Claim. (Cl. 81—83.)

A wrench comprising first and second levers having cooperating jaws, the second lever having an elongated opening disposed intermediate the ends of the second lever, and having a rack located along one edge of the opening, the first lever having a circular aperture located intermediate the ends of the first lever, a pivot element connecting the levers and located in the opening of the second lever and in the aperture of the first lever, a dog disposed in the opening of the second lever and mounted to swing on the pivot element, spring means for maintaining the dog yieldably engaged with the rack, and means whereby the first lever will detach the dog from the rack when the levers are swung apart to a predetermined angle, the wrench being characterized by the fact that said means embodies an integral projection on the dog, disposed radially with respect to the pivot element, the first lever being supplied with an arcuate recess communicating with the aperture of the first lever and receiving the projection of the dog for limited movement, the levers being of single-layer form, and being superposed one on the other, the construction being such that the levers may be separated simply by removing the pivot element, and without loosening the projection or separating the projection from the dog.

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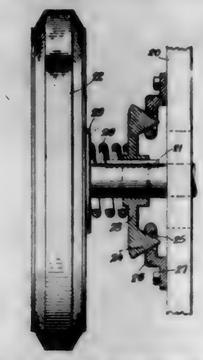
1,565,211. SHAFT COUPLING AND RESILIENT SUSPENSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed Sept. 28, 1921. Serial No. 502,646. 6 Claims. (Cl. 267—9.)

1. In a device of the character described, the combination of a shaft having an element splined thereon



provided with a plurality of cone heads, a spring on the shaft normally holding said element under tension, a member having an element provided with a plurality of



recesses adapted to receive said cone heads, said element being non-revolubly mounted on said member and providing a resilient connection between said shaft and said member, substantially as set forth.

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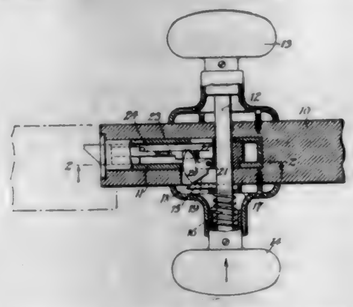
1,565,212. LATCH. JAMES SILLICK, New York, N. Y. Filed Feb. 11, 1925. Serial No. 8,471. 1 Claim. (Cl. 292—166.)



In combination, a slidable knob shaft, a latch casing, a slotted latch bolt therein, and a cam plate pivoted within the casing and projecting into said slot, the knob shaft also being slotted, said cam plate projecting into the slot in the knob shaft, the end of said slot adapted to engage the cam plate to move it to withdraw the latch bolt when the knob shaft is moved longitudinally.

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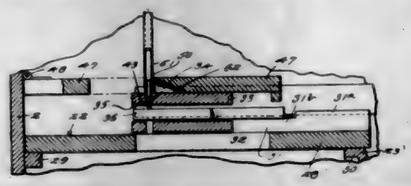
1,565,213. COIN-CONTROLLED VENDING MACHINE. GEORGE H. SIMPKINS, Louisville, Ky. Filed June 6, 1925. Serial No. 35,368. 5 Claims. (Cl. 194—58.)



4. A vending machine comprising an article carrier, a slidably mounted pusher provided with a coin receiving slot and a groove intersecting said slot, a stationary coin stop entering said groove and extending partly across said slot, and a detent cooperating with the pusher and provided with a cam surface, and means for moving the pusher in opposite directions.

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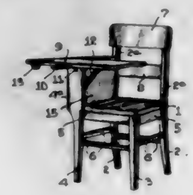
1,565,214. CHAIR DESK. CHARLES L. SMITH and EDWARD E. RODERICK, Belfast, Me., assignors to Correct Posture Seating Company, Belfast, Me., a Corporation of Maine. Filed Oct. 31, 1924. Serial No. 746,990. 11 Claims. (Cl. 155—128.)



1. A chair having one front leg extended above the chair seat, and a compartment to the rear of said leg, the leg forming the front end of said compartment, and the chair seat forming the bottom of the compartment.

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1,565,215. TREATMENT OF ORES OR RESIDUES CONTAINING ZINC. STANLEY COCHRAN SMITH, London, England. Filed May 14, 1924. Serial No. 713,310. 8 Claims. (Cl. 23—61.)

8. A process of treating liquors containing zinc ions, chlorine ions and sulphate-ions which comprises precipitating the sulphate ions by addition of barium chloride, then precipitating zinc carbonate by heating the liquor with barium carbonate to precipitate zinc carbonate and obtain a solution containing barium chloride and using this barium chloride for precipitating sulphate-ions in a succeeding treatment of another batch of liquor.

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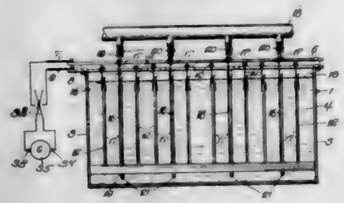
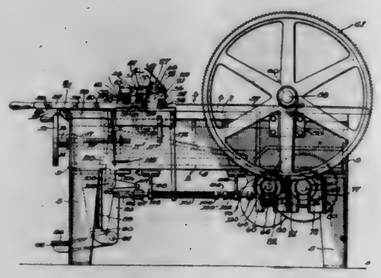
1,565,216. ELECTROPLATED STEREOTYPE PLATE OR NICKEL-PLATED PRINTING PLATE AND PROCESS OF MAKING THE SAME. CHRISTIAN N. SMITH, Elgin, Ill., assignor of one-half to William P. Topping, Elgin, Ill. Filed June 10, 1922. Serial No. 567,406. 12 Claims. (Cl. 204—6.)



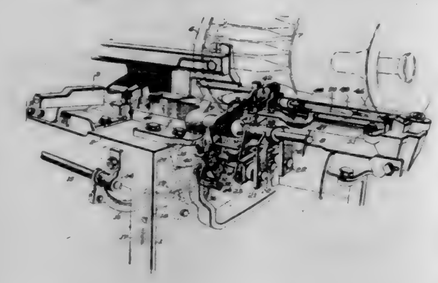
1. The process of making electroplated stereotype plates which comprises providing a moulded stereotype plate body to be plated, submitting the surface of the printing side of said stereotype plate body to the chemical action of a solution containing corrosive sublimate and water, thereby removing foreign substances from the surface of the plate body and producing a lusterless surface on the printing side of said plate body, and then electrolytically depositing a plating on said lusterless surface.

**1,565,217. MACHINE FOR SHAVING PRINTING PLATES.** CHRISTIAN N. SMITH, Elgin, Ill., assignor of one-half to William P. Topping, Elgin, Ill. Filed Sept. 20, 1923. Serial No. 663,845. 19 Claims. (Cl. 90—27.)



1. In a shaving machine of the class described, the combination of a bed adapted to support a metallic printing plate to be operated upon, a knife-supporting carriage mounted in movable relation to and adapted to travel over said bed, a knife mounted on and in movable relation to said carriage, plate-engaging roller mechanism on said carriage and adapted to engage a plate supported by said bed, supporting means adapted to adjustably support said bed in operative position, means for automatically raising and lowering the cutting edge of the knife with respect to the carriage and bed, and means for operating the carriage.

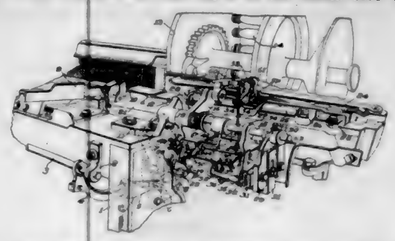
**1,565,218. FILLING-END CONTROLLER.** ALFRED E. STAFFORD, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 14, 1925. Serial No. 30,241. 10 Claims. (Cl. 139—256.)



1. In a filling replenishing loom, the combination of the lay, a shuttle box at the filling replenishing end thereof, a shuttle having a filling feeler slot and means for engaging the spent filling between the ends of the bobbin opposite the filling feeler slot of the shuttle and withdrawing it over the top of the shuttle box.

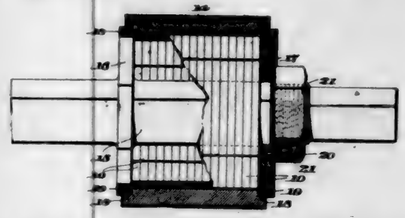
**1,565,219. FILLING-END CONTROLLER.** ALFRED E. STAFFORD, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 20, 1925. Serial No. 31,697. 9 Claims. (Cl. 139—256.)

1. In a filling replenishing loom, the combination of the lay, a shuttle box at the replenishing end of the lay, means for parting the spent filling adjacent the shuttle eye, means for clamping the filling at a point remote from the shuttle eye and adjacent the feeler slot when



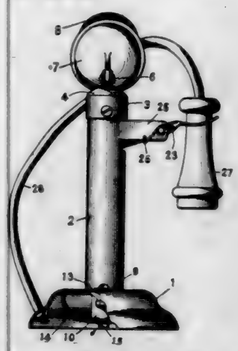
the shuttle is in replenishing position and removing the clamped portion of the filling over the top of the shuttle box.

**1,565,220. APPARATUS FOR MAKING PISTON RINGS.** EDWARD H. WEHLANN, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 8, 1919. Serial No. 343,304. 4 Claims. (Cl. 29—89.)



1. In an apparatus for producing piston rings, a sleeve for holding the rings preliminary to clamping, the inner contour of said sleeve corresponding in size and shape to the contracted ring, said sleeve having an annular recess at one end, and clamping means having a centering device cooperating with said recess.

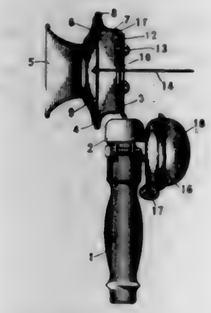
**1,565,221. TOY TELEPHONE.** GEORGE A. WEST, East Hampton, Conn., assignor to Gong Bell Manufacturing Company, East Hampton, Conn., a Corporation of Connecticut. Filed June 9, 1922. Serial No. 567,077. 14 Claims. (Cl. 46—46.)



12. A toy telephone consisting of a base, a standard rising from the base, a receiver, a transmitter, a vibratable arm on which the receiver is supported, a sound-producing device concealed within the base, and connecting means between the vibratable arm and the sound-producing device, whereby the latter is responsive in its operations to the movements of the vibratable arm.

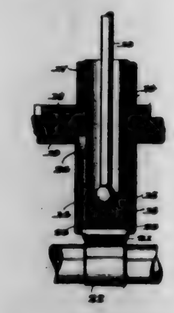


**1,565,222. TOY PHONE.** HAROLD D. ALLEN, East Hampton, Conn., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn., a Corporation of Connecticut. Filed July 21, 1922. Serial No. 576,456. 2 Claims. (Cl. 181—29.)



1. A toy telephone, consisting of a hollow casing in which is supported a vibratory diaphragm, the casing wall on one side of the diaphragm being centrally perforated to permit the passage of a wire leading to the diaphragm, a support for the telephone instrument surrounding the opening through the casing wall, to which wall the suport is secured, and a supporting plate on the inside of the casing to which the said support for the telephone instrument is connected.

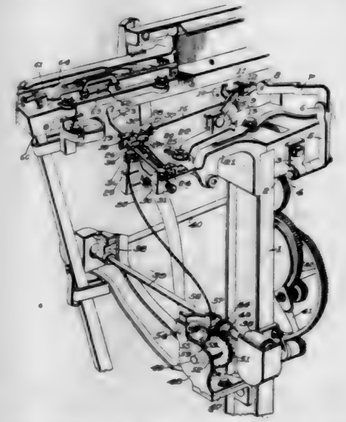
**1,565,223. HYDROCARBON MOTOR.** HAROLD D. CHURCH, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 10, 1919. Serial No. 275,973. 10 Claims. (Cl. 123—90.)



10. In valve operating mechanism, a reciprocatory valve operating roller holder, a hollow cylindrical guide in which such holder is movable and a roller mounted in the holder and having ends curved on the same radius as that of the guide wall and fitting against said wall.

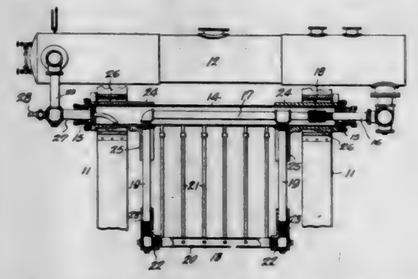
**1,565,224. FEELER MECHANISM FOR LOOMS.** HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Apr. 3, 1925. Serial No. 20,401. 8 Claims. (Cl. 139—270.)

1. In a loom, the combination of a feeler having periods of activity and inactivity with the same supply of filling in the shuttle, a device for holding the feeler during its periods of inactivity and a quick-acting trip for freeing the feeler at intervals, comprising a shaft, a worm operated by said shaft and having a quick-acting portion formed by imparting a steep pitch to a short portion of the worm thread, a worm wheel engaged by the worm,



a trip lug actuated by the worm wheel, and means between the trip lug and said holding device for effecting quick release of the feeler from said device.

**1,565,225. INCINERATOR CONSTRUCTION.** ALEXANDER S. DECARIE, Montreal, Quebec, Canada. Filed May 12, 1922. Serial No. 560,439. 4 Claims. (Cl. 122—2.)

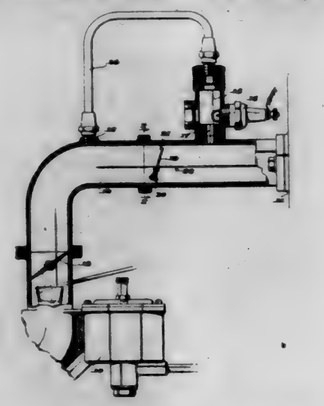


4. A device of the class described, comprising tubular supports, grate sections depending from said supports and positioned within a combustion chamber, said sections comprising straight end pipes, cross pipes connecting the free ends of said straight pipes and intermediate pipes attached to the tubular supports at their upper ends and to the cross pipes at their lower ends, said intermediate pipes being curved or bent at their lower ends, said tubular supports having internal construction which taken in conjunction with the grate sections presents a continuous passage for the circulation of a cooling agent from the tubular support, through the grate sections and back into the tubular support, means adapted to oscillate the grate about its suspension means, and means to transmit the power required to oscillate the grate sections.

**1,565,226. HYDROCARBON MOTOR.** HENRY P. DOOLITTLE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed May 20, 1920. Serial No. 382,778. 9 Claims. (Cl. 123—122.)

1. The combination with the hydrocarbon motor having an intake conduit, and a throttle valve in the intake

conduit, of a combustion heater having both its inlet and outlet connected to the conduit on one side of said



throttle, and an automatically variable restriction means in the conduit between said inlet and outlet.

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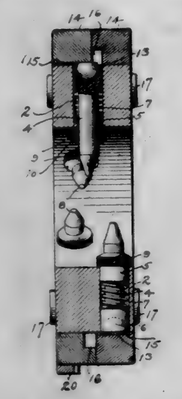
1,565,227. CHUCK. ORLANDO GARRISON, Dayton, Ohio. Filed Oct. 26, 1920. Serial No. 419,637. 23 Claims. (Cl. 279—71.)



1. In a chuck of the character described, an annular head, a plurality of radially disposed longitudinally movable plungers carried by said head, said plungers being offset in relation one with another in the axial direction of the annular head to form a helically arranged series, and means for simultaneously reciprocating the plungers.

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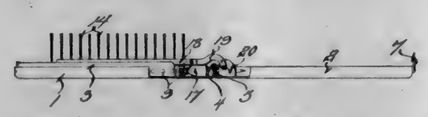
1,565,228. FOLDABLE BRUSH. VICTOR A. JOHNSON, Hartland, Wis. Filed Mar. 16, 1925. Serial No. 15,897. 2 Claims. (Cl. 15—203.)



1. A foldable brush comprising a body portion, a plurality of rocker bars carried within said body portion, each of said rocker bars having depressions formed in one face thereof, bristles socketed within said depressions, a binding strip secured against said face and having inwardly projecting lips for clamping said bristles within said depressions, and mechanism connecting said rocker bars and said cover to cause simultaneous motion of said bars when said cover is opened and closed.

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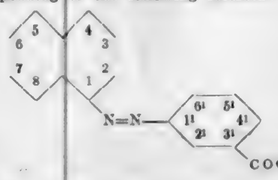
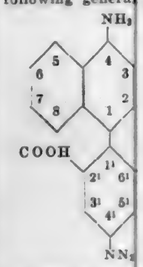
1,565,229. PROCESS FOR THE PRODUCTION OF BENZANTHRONE DERIVATIVES. GEORG KALISCHER, Mainkur, near Frankfort-on-the-Main, and RUDOLF MÜLLER and FRITZ FRISTER, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to Leopold Cassella & Co. Gesellschaft mit beschränkter Haftung, a Corporation of Germany. Filed Mar. 19, 1925. Serial No. 16,795. 4 Claims. (Cl. 260—61.)

1. Process for the production of benzanthrone derivatives which consists in treating α-naphthalene-azo-benzene-m-carboxylic acids (in which the C-atoms 4, 5 and 4¹ corresponding to the following formula:



are not substituted) with reducing agents in an acid solution, and condensing the diaminonaphthylphenyl-o-carboxylic acids thus obtained and represented by the following general formula:



The C-atoms 2, 3, 5, 6, 7, 3¹, 5¹, 6¹ may be substituted by univalent groups (as $CH_3$, halogenes, O-Alkyl)

with acid condensing agents substantially as described.

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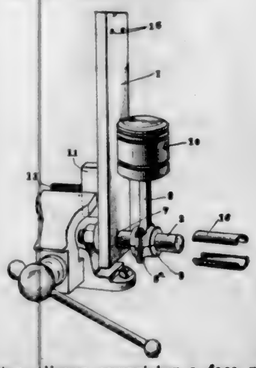
1,565,230. COMBINATION SURFACE PLATE AND PISTON ALIGNER. FRANK HOERNER, Los Angeles, Calif. Filed Nov. 30, 1923. Serial No. 677,921. 2 Claims. (Cl. 33—180.)



1. A piston aligner comprising a face plate which is greater in width than the piston to be aligned, there being an aperture formed centrally of the face plate adjacent one end thereof, an arbor having a reduced end extending through said aperture with the enlarged end projecting from the face of the face plate and providing a shoulder bearing against the faced surface of the face plate, and a nut threaded onto the reduced end of the arbor on the back side of the face plate for tightening the arbor to the face plate.



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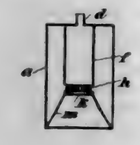
1,565,231. ABSORPTION REFRIGERATING MACHINE. EDMUND RUMPLER and HANS RICHTER, Berlin, Germany; said Richter assignor to said Rumpler. Filed July 10, 1924. Serial No. 725,293. 2 Claims. (Cl. 62—118.)



1. In an absorption refrigerator machine, a generator comprising a closed receptacle having a bottom rising toward the inside and defining a corresponding recess on the outside, a substantially vertically disposed tubular vessel within the receptacle extending upwardly centrally from the bottom of the receptacle and a fluid connection between the lower portion of the vessel and the receptacle including means for permitting gas to freely flow from the vessel into liquid in the receptacle only in small bubbles.

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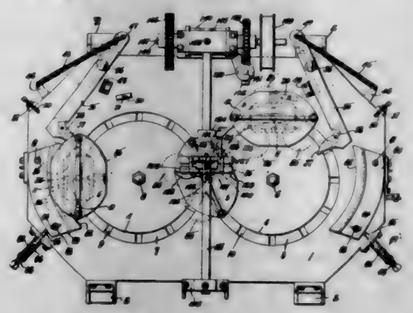
1,565,232. BRAIDING MACHINE. EARL F. BALDWIN, Gardner, Mass., assignor to American Fibre Corporation, Gardner, Mass., a Corporation of Massachusetts. Filed Feb. 3, 1922. Serial No. 533,799. 7 Claims. (Cl. 96—8.)



1. In a machine of the class described, a track arranged in a closed path, a shoe movable along said path, a spool holder pivoted to said shoe, means to lock said holder to said shoe to prevent relative pivotal movement thereof, means for rendering said locking means inoperative at certain positions of said shoe on said track, and means for turning said holder relative to said shoe while said locking means is inoperative.

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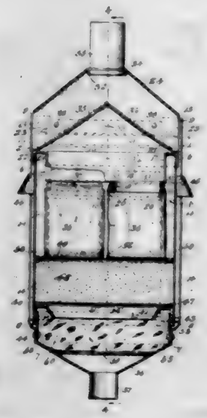
1,565,233. WATER-FILTERING DEVICE. WILLIAM H. BRANTSEN, Augusta, Kans. Filed June 4, 1925. Serial No. 34,957. 8 Claims. (Cl. 210—89.)

1. A filtering device comprising a support, a base element secured thereto and provided with water straining means and a discharge spout, a carrier detachably connected with said support, overlapping and opening into the base and provided with a pair of strainer elements having a filtering agent interposed therebetween, and a head detachably connected to said support, closing the top of said carrier and provided with an inlet,



a strainer element intermediate its ends and a plurality of strainer elements depending from its bottom and resting on one of the strainer elements within the carrier.

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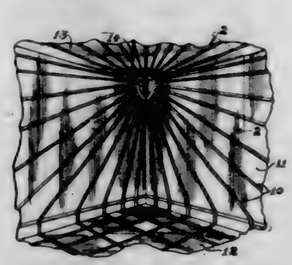
1,565,234. MEANS OF FIRE AND BURGLAR PROTECTION. JOSHUA CLARIDGE, Chicago, Ill., assignor to Pro-Tex Laboratories, Inc., Chicago, Ill., a Corporation of Illinois. Filed Feb. 19, 1923. Serial No. 619,792. 6 Claims. (Cl. 109—6.)



1. The combination with a bank vault of a container for protecting fluid, means for releasing such fluid operable by heat and a train of combustible material leading to such means, such material consisting principally of substances adapted to burn without substantial generation of gas.

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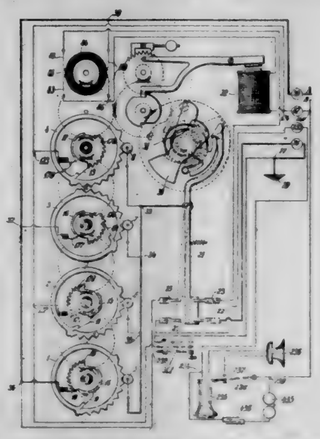
1,565,235. SELF-ACTING TELEPHONE SYSTEM. ERNEST AUGUST FALLER, New York, N. Y., assignor, by mesne assignments, to The North Electric Manufacturing Company. Filed July 28, 1904. Serial No. 218,490. 185 Claims. (Cl. 179—18.)

1. A telephone exchange system comprising groups of subscribers' lines, a lesser group of primary link circuits for each of said groups, other link circuits each adapted for connection with primary link circuits in a plurality of groups, means for associating calling lines with the primary link circuits of their related groups, automatic

means for effecting simultaneously initiated selection of idle ones of said other link circuits, means for connecting the so-selected link circuits with primary link cir-



cuits in a plurality of groups, and means for extending the selected link circuits to connection with wanted lines.

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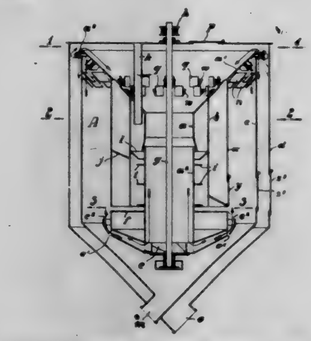
1,565,236. APPARATUS FOR SIFTING FINE MATERIAL. GEORG ROTH, Darmstadt, Germany, assignor to Gustav Stöckle, Darmstadt, Germany. Filed Sept. 3, 1921. Serial No. 498,476. 3 Claims. (Cl. 209—148.)



1. An apparatus for separating fine material comprising in combination a cylindrical casing, a plurality of walls being arranged concentrically to said casing and suitably connected to each other, a suction pipe attached to a central driving axle and arranged in line with the shortened inner wall and having a disk shaped lower end, a centrifugal blower fixed to the lower end of the central axle near the lower opening of said suction pipe, a rotatable member mounted on the lower end of said suction pipe and so fitted with a horizontal surface that the material which is supplied to said member will be discharged centrifugally from said member when the same rotates, a conical plate connected to the bottom of said blower and being upwardly bent against said dish-shaped pipe so as to form a ring shaped outlet for the distributing air current being produced by said blower, and means for generating an auxiliary horizontal air current adapted to act upon the falling materials and to regain the finer particles from the coarse material falling to the outlet, and means for separating the fine particles from the air currents resucked by said blower, substantially as set forth.

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1,565,237. PROCESS FOR TREATING SEED GRAIN. ALBRECHT SCHMIDT, ADOLF STEINDORFF, and ALFRED FLUSS, Hochst-on-Main, and OTTO SCHAFFRATH, Leipzig, Germany, assignors to Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-Main, Germany, a Corporation of Germany. Filed Apr. 7, 1923. Serial No. 630,592. 2 Claims. (Cl. 167—3.)

1. Equal parts of a 0.2% solution of the dihydrochloride of diaminodihydroxyarsenobenzene in water and a .2% aqueous solution of copper sulfate are mixed and this solution may be used directly for treating seeds, for instance by immersion, the duration of the treatment lasting for one hour.

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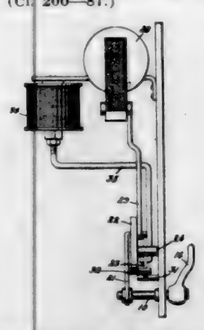
1,565,238. STARTING DEVICE FOR ELECTRIC MOTORS. RUDOLPH F. E. WIEDEMANN, New York, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 8, 1923. Serial No. 679,507. 6 Claims. (Cl. 200—87.)



1. A starting device for electric motors comprising a switch mechanism freely operable between a starting and an off position and normally operable from the starting through the off to a running position, a member mechanically connected to said switch mechanism to move synchronously therewith, and electrically controlled latching means cooperating with said member for stopping the said switch mechanism in the off position upon operation thereof from the starting position with the motor starting current above a predetermined value.

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Patents Nos. 1,565,239 to 1,566,264.

# THE OFFICIAL GAZETTE OF THE United States Patent Office.

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| Total | 1,450 | | |

## Attorneys—Disbarment.

(ORDER No. 2,934.)

U. S. PATENT OFFICE, *Washington, Oct. 29, 1925.*

Acting under the provisions of section 487 of the Revised Statutes of the United States, as amended February 18, 1922, Norman T. Whitaker, of 1006 F Street NW., Washington, D. C., whose registration number is 3425, has this day been disbarred from practice before the United States Patent Office.

WM. A. KINNAN,
*Acting Commissioner.*

## Changes in Classification.

Order No. 2,937, November 27, 1925, directs the transfer of class 77, Boring and Drilling, from Division 29 to Division 13, effective December 1, 1925.

## Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Nov. 17, 1925.*

*American Beverage Co., Inc., its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of Artemas W. Deane, of 129 South Fremont Street, Los Angeles, Calif., to effect the cancellation of the trade-mark registration of American Beverage Co., Inc., Atlanta, Ga., No. 58,908, dated December 25, 1906, and the notice of such proceeding sent by registered mail to the said American Beverage Co., Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said American Beverage Co., Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

## Interference Notices.

U. S. PATENT OFFICE, *Washington, Dec. 4, 1925.*

*Charles C. Copeland & Co., its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Spartan Mills, Spartanburg, S. C., for registration of a trade-mark and trade-marks registered March 10, 1907, No. 61,438, and April 2, 1907, No. 61,700, to Charles C. Copeland & Co., 45 Worth Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Charles C. Copeland & Co. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Charles C. Copeland & Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Dec. 4, 1925.*

*Fulfashon Hosiery Company, its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Wm. Hahn & Co., Seventh and K Streets NW., 1818 G Street NW., 414 Ninth Street NW., Washington, D. C., and also 37 West Lexington, Baltimore, Md., for registration of a trade-mark and trade-mark registered Sept. 14, 1920, No. 134,651, to Fulfashon Hosiery Company, 288 Fourth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said Fulfashon Hosiery Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Fulfashon Hosiery Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Nov. 30, 1925.*

*Franklin M. Risk, his assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of J. N. Adams & Co., Buffalo, N. Y., for registration of a trade-mark and trade-mark registered August 29, 1916, No. 112,812, to Franklin M. Risk, 7139 St. Lawrence Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said Risk at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Risk, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

## Condition of Applications Under Examination at Close of Business December 4, 1925.

| Room No. | (Total number of applications awaiting action, excluding Trade-Mark Division, 39,644; Trade-Mark Division, 1,931. Oldest new case, May 12, 1925; oldest amended, May 17, 1926. The dates given are 1925.) Divisions, Examiners, and Subjects of Inventions. | Oldest new application and oldest action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
|---|---|---|---|---|
| 112 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders. | Sept. 18 | Sept. 25 | 577 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | July 20 | June 19 | 539 |
| 231 | 3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | Oct. 9 | Sept. 9 | 505 |
| 234 | 4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists. | Sept. 8 | Sept. 14 | 505 |
| 106* | 5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | July 6 | July 6 | 848 |
| 318 | 6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | Aug. 10 | Sept. 1 | 907 |
| 106 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | Sept. 9 | Sept. 8 | 770 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture | Sept. 12 | Sept. 15 | 1,196 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | Aug. 20 | July 27 | 620 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | Aug. 6 | Sept. 4 | 926 |
| 148* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | Aug. 31 | Sept. 1 | 738 |
| 380 | 12. PIERCE, P. P., Machine Elements | Aug. 17 | Aug. 17 | 667 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | June 2 | June 11 | 807 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | July 23 | Aug. 20 | 816 |
| 329 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | Sept. 5 | Sept. 21 | 665 |
| 242* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | Aug. 1 | Aug. 8 | 892 |
| 307 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | Sept. 5 | Sept. 16 | 364 |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | July 7 | July 8 | 741 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | July 28 | Oct. 9 | 479 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking | Sept. 5 | Sept. 15 | 663 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | Aug. 4 | Sept. 14 | 466 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Sept. 26 | Sept. 14 | 375 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | July 2 | Aug. 14 | 354 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Sept. 28 | Oct. 1 | 335 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | Aug. 29 | Sept. 10 | 730 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | June 8 | June 20 | 730 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | Oct. 6 | Oct. 10 | 486 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Oct. 3 | Oct. 3 | 683 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | May 12 | May 17 | 1,022 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | Sept. 4 | Oct. 1 | 921 |
| 312 | 31. HOLMES, W. H., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | Oct. 5 | Sept. 24 | 646 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | Aug. 5 | Aug. 7 | 575 |
| 152 | 33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Oct. 7 | Oct. 10 | 621 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders. | July 23 | July 30 | 643 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | Sept. 1 | Sept. 22 | 610 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | Aug. 19 | Sept. 14 | 976 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | July 17 | July 16 | 833 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells. | July 6 | July 7 | 868 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | Aug. 24 | Sept. 21 | 427 |
| 209 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | Aug. 17 | Aug. 19 | 1,191 |
| 135 | 41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | Sept. 2 | Aug. 21 | 418 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling | June 30 | June 24 | 1,243 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | Sept. 2 | Sept. 3 | 707 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | July 2 | June 2 | 822 |
| 370 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | Aug. 3 | Sept. 8 | 585 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | Aug. 24 | Aug. 25 | 557 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | July 21 | July 20 | 1,159 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications | July 6 | July 6 | 1,567 |
| 239 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification | Aug. 6 | Sept. 8 | 693 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | July 25 | Aug. 3 | 1,082 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | July 15 | July 19 | 1,563 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | Oct 5 | Oct. 5 | 471 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens. | Sept 17 | Sept 17 | 669 |
| 102 | Designs: C. O. MARKHAM (Acting) | Nov. 18 | Nov. 16 | 391 |
| 163 | Trade-Marks, Labels, and Prints: T. L. MEAD, JR. (Trade-Marks | Nov. 2 | Nov 10 | 1,856 |
| | (Labels and Prints | Nov. 19 | Nov 24 | 75 |

* Refers to room numbers in the annex.



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## U. S. Circuit Court of Appeals—Second Circuit.

E. FREDERICKS, INC., *v.* EUGENE, LIMITED (TWO CASES). SAME *v.* VICKERY.

*Decided November 10, 1924.*

[3 F. (2d) 543.]

1. ANTICIPATION—REMOTE ART—DEVICE NOT ADAPTED TO NEW USE WITHOUT CHANGE.

Where the only similar device in the prior art requires a change in order to adapt it to an entirely new use, anticipation of an invention which is adapted to the new use can not be predicated upon such prior device.

2. SAME—SAME—UNPATENTABLE TRANSFER TO NEW ART.

Where the patentee's device is a pad for use in the hair-waving art, made like a medicated plaster, with hair-treating material instead of medicament, and the prior hair-waving art discloses similar pads without the gauze layer of the plaster, rolled up and inserted in tubes, *Held* that no one or more of the features of the patentee's pad produces a new result in the process of permanent hair waving, and the transfer of the idea of leaving the pad flat, adding gauze and stitching from the art of medicated plasters to the art of permanent hair waving is not the conception of inventive thought.

3. SPECIFICATION—MEANING OF TERMS.

The specification of a patent must be followed as to what the terms of a patent are intended to mean.

4. EQUITY RULE 8—PERMITTING PLAINTIFF TO WITHDRAW SUIT WITHOUT PREJUDICE AFTER ISSUE JOINED HELD ERROR.

Under district court equity rule 8, authorizing the court after issue joined to refuse to permit plaintiff to discontinue if justice so requires, *Held* error to permit plaintiff to discontinue suits for patent infringement without prejudice, where such withdrawal was substantially prejudicial to defendant.

APPEAL from the District Court of the United States for the Southern District of New York.

Patent infringement suits by E. Fredericks, Inc., two against Eugene, Limited, and one against William H. Vickery. Decree for plaintiff (298 F. 633), and defendants appeal. Reversed, with directions to dismiss bill in each case.

Appeals from the United States District Court for the Southern District of New York. The first two suits involve two patents for permanent waving of human hair, to wit, No. 1,313,232 and No. 1,206,917. The third suit is for infringement of Patent No. 1,425,956 for hair-waving means. A decree was entered permitting the withdrawal of the first and the second suits involving the Patent No. 1,206,917 and in favor of the plaintiff on the others. Defendants appeal. Reversed.

*Messrs. Sheffield & Betts* (*Mr. Drury W. Cooper* and *Mr. Edward W. Vaill* of counsel) for the appellants.

*Mr. Charles H. Wilson* (*Mr. William L. Morris* of counsel) for the appellee.

Before ROGERS and MANTON, Circuit Judges, and LEARNED HAND, District Judge.

MANTON, *Cir. J.* (after stating the facts as above):

These actions were tried together, and will be considered in one opinion.

The first patent, No. 1,313,232, was issued to Speckerman on August 12, 1919, on an application filed June 30, 1917, and relates to a flat double package made of paper and cloth containing powdered borax; the container is stitched longitudinally to hold the powdered borax in position within the coverings or envelopes. As thus made, the pad is used in permanent hair waving. The hair is first wrapped or twisted around a metal curler or rod, the package is wet or moistened, and then wrapped around the hair on the curler, and a pasteboard tube is then slid over the curler and moistened package, and then the cylindrical electric heater is placed over the parts thus arranged. Thereafter the electric current is allowed to pass through the heater until steam and borax vapor are produced by the heat generated, which, upon entering the hair wound on the metal curler, causes the same to produce the so-called permanent wave or curl. The heater and pasteboard tube are removed, the hair remains in a more or less curly condition, depending, of course, upon the skill of the operator and the appliance used. In thus applying the curlers and heaters to the human head the scalp is divided into a number of sections from which the hair is applied to separate curlers and treated with separate heaters so that in the course of this operation there are some 40 or 50 curlers and heaters in use at one time.

The claims in suit are:

5. A device of the class described, comprising an envelop formed of textile material having located therein a hair treating substance in powdered form, said envelop being adapted to be shipped in flat form, and when moistened being adapted to be wrapped about a tress of hair so as to closely embrace the same. * * *

7. A device of the class described comprising a flat envelop formed of absorbent material having located therein a hair treating substance in powdered form, and said first named envelop being inclosed within an envelop of flexible material.

Patent No. 1,425,956, the basis of the third suit, is designed to treat only the hair newly grown after previous treatment by the pad of the first patent. The need therefore is found in the fact that human hair grows half an inch per month after the permanent wave treatment, and it is intended by the use of this patent to accomplish the result of securing a permanent wave for the newly-grown hair. This patent provides a small pad of borax, the rest of the package being felt or the like. There are slight variations in the matter of placing the borax within the envelop and a block of flexible porous material, such as blotting paper or felt is added. The envelop or pad is used in the same manner as in the first patent, the purpose of the blotting paper or felt being to protect the portions of the hair which have been previously waved against both the steam and heat. The claims involved in this patent are:

9. A device of the class described, comprising a casing, one portion of said casing having a hair treating substance therein and being penetrable by steam and another portion of casing being formed of material relatively impenetrable by steam.

10. A device of the class described comprising a casing, one portion of said casing containing a hair treating substance and being so formed as to permit steam to pass therethrough, and another portion of said casing being relatively impervious to the passage of steam and being also non-heat-conducting.

The court below found both these patents valid and infringed, although the defense of anticipation by prior patents and uses, lack of invention, and noninfringement were interposed.

We will consider Patent No. 1,313,232 first. There is an admission that it has been the practice to wind a lock of hair upon the curler and then wind about the curled hair a strip of absorbent material which has been impregnated with a fluid commonly used in the art of hair curling, whereupon the curled hair and absorbent material are subjected to the action of heat. Also the tubes made of pasteboard or other materials have been used for locating therein hair-treating substances. But the contention of the appellee is that it has an improved pad which is more convenient to handle and more readily salable. The process is substantially the same as that used in the tube of the Aldworth patent, No. 1,186,533, or in the Nestle tube patent, No. 1,052,166, both of which were heretofore judicially considered. *Nestle Patent Holding Co.* v. *E. Fredericks, Inc.* (D. C.) 258 F. 627; affd. (C. C. A.) 261 F. 780. The patent in suit states that the method of winding a strip of absorbent material about the hair is objectionable for several reasons, among them, the length of time required to wind the absorbent material on the curled hair; the fact that the absorbent material will not take up a sufficient quantity of hair-treating fluid to make its action effective; the fact that handling the wet strips of material makes the process distasteful to the subject, as well as inconvenient for the operator. It says of the tubes of the Aldworth patent, which have hair treating substances located therein, that they are objectionable, in that during transportation the hair-treating substance is apt to be dislodged from the interior of the tube, and that, owing to the variations in the size of the carriers of hair-treating substance within the tube, it is sometimes difficult to position these tubes about the curled hair.

The patentee says that the objects of his invention are: (*a*) shortening the length of time required to wind absorbent material on the curled hair; (*b*) increased quantity of hair-treating fluid contained in the pad; (*c*) convenience in handling; (*d*) convenience in transportation; (*e*) even distribution of the hair-treating material. It was decided by the district court, and affirmed by this court in the case referred to, that the Aldworth patent was valid and infringed. Thereupon the appellee, who was the defendant in that litigation, experimented, resulting in his securing the patent in suit. It is apparent that what he accomplishes in his new construction is a separation of the pad of the Aldworth or Nestle tube from the rolled paper cover, and he placed cotton gauze around it to prevent the pad from tearing when handled or sold as a flat separate package. It is intended that when used it is to be combined with a pasteboard tube, giving the advantage of what Aldworth accomplished by the borax package being contained within the tube in cylindrical shape when sold and used. In other words, the patentee provides for the rolling and insertion of the pad into the tube at the time of use instead of before marketing. Thus the patentee kept his package separate from the tube and covered it with a gauze to make a more durable or a thicker package. In order to hold the borax powder more firmly in position, he stitched the pad on a sewing machine as he illustrates, but this is not claimed in the claims in suit. The pasteboard tubes have to be used with a pad in any event, and also have to be shipped to the customer. What has been accomplished in making this flat package is pointed out in the prior art in so far as inclosing and shipping various kinds of powder and materials are concerned, even including borax Patent No. 56,353, dated July 17, 1866, to Bogia and Taylor. Although this was not of the same art as hair curling, this patent shows the method of forming a pad which is now introduced into the hair-waving art. All the substantial features involved in the use of a paper pad containing borax powder for the purpose of hair curling were old. In the patent to Cooper, No. 144,315, there was shown a pad stitched as were the Bogia and Taylor pads, and this contained a mixture of alum and borax. That patent discloses the method of making pads which has been adapted as an expedient by the patentee. Borax packages were applicable when wet for curling hair, and this knowledge was old.

[1, 2] The court below decided that anticipation could hardly be predicated upon a structure which required modification in order to adapt it to a use for which it was never intended. As an abstract rule that is true, as where the only existence of similar devices in the prior art was some device which required a change to adapt it to an entirely new use and there was no other device previously used to serve the same purpose. But the record shows a flat envelop or pad of paper had been used in this prior art, as illustrated by the Aldworth tube. The idea of invention is clearly old and acknowledged by use in the prior art, and all the patentee did was to leave this pad in its flat condition, add gauze to it, and stitch it. This idea is illustrated in patents of the prior art referred to. The patentee here could not use paper covering alone, because it would tear when wet, and he put cloth around it for the same purpose that cloth is put around plasters and poultices. We think an ordinary person, skilled in the art, could make this slight change in the Aldworth patent. Where a change is readily made in any composite instrumentality, the change is not the prompting or product of invention. It is the common experience in patent cases that mere mechanical facility can alter or change the form in which originality and merit express themselves and assert for it a claim of invention. Such pretention is not invention. *N. Y. Scaffolding Co.* v. *Chain Belt Co.*, 280 O. G. 1009; 1920 C. D. 492; 254 U. S. 32; 41 S. Ct. 21; 65 L. Ed. 116. No one or more of the features of the patentee's pad produced a new result in the process of permanent hair waving, and the transfer of the idea from the art of medicated plasters to the art of permanent hair waving is not the conception of inventive thought. It is a matter of commercializing a device, to wit, a pad. A patent for the application of a freezing mixture for the preservation of fish or the like in a closed chamber wherein congealing medium has no direct contact with the atmosphere of the preserving chamber was held invalid, in view of prior use of like instrumentalities for the prevention of decay of corpses. *Brown* v. *Piper*, 91 U. S. 37; 23 L. Ed. 200.

In *Jay* v. *Weinberg* (C. C. A.) 278 O. G. 712; 1920 C. D. 402; 262 F. 973, a suit on a patent in the art of water elevating, the principle of operation whereby a fluid is lifted by vacuum suction and discharged by gravity was held to be identical with an alleged patent for gravity-fed carburation where the feed tank was filled by elevating gasoline from a lower to a higher reservoir. Claims of the character of those in suit can not have limitations read into them for the purpose of avoiding anticipation in the prior art. The patentee is bound by his claims as he makes them. He can not go beyond the claims and contend that, because the prior art does not show a pad adapted for used in hair dressing or permanent hair waving, identical with appellee's pad, that the claims are therefore valid. The prior art shows, as illustrated by the Aldworth patent, paper borax pads; also poultices and plasters and flat strips of fabric having borax between the folds. We think the claims of the patents in suit are anticipated by these devices, and that the slight modifications in the appellee's device as now used in this permanent hair-waving art, created no advance and demonstrated no inventive thought as it produced no improvement in the curled or waved hair result. It was error below to hold this patent valid.

[3] As to the second patent in suit: The borax pad described is similar to that of the patent we have just considered. The patentee here made the borax portion of the pad smaller, and to fill the space occupied in the first patent by borax he does it with a block of flexible porous material such as blotting paper or felt. Asbestos is also mentioned as a substitute. The object of a smaller area of borax is to confine the curling to the newly grown hair and not affect that still waved by the previous treatment. The casing is a strip of flexible woven material such as gauze fabric or cheesecloth. The purpose of the flexible porous material is said in the specifications to be for wrapping around that part of the hair which has already been waved or which is not intended to be waved, so as to act as a protecting medium whereby that portion of the hair will not be affected by the process. It is understood that this block of material will not be immersed in water, but will be left in a dry condition so that no steam will be produced during the waving operation. The claims do not describe the materials of the appellee's pad as are set forth in the specifications. The casing of the patent in which the porous material or asbestos is included is made entirely of paper and cloth. Paper and cloth are penetrable by steam, and claim 9 states,

another portion of casing being formed of material relatively impenetrable by steam.

The appellee's pad as described in the patent and offered in evidence has no portion of the casing made of material impenetrable by steam. Flexible porous material, such as blotting paper and felt, is not impenetrable by steam, nor is asbestos. But claim 10 states,

another portion of said casing being relatively impervious to the passage of steam and being also non-heat-conducting.

But it is not impervious to steam, and there is no portion of the casing of the appellee's pad that has these qualities and apparently refers only to a block of the porous material or asbestos. The specifications must be followed as to what the terms are intended to mean. The paper and cloth admittedly must allow the passage of steam, and the only other remaining element, except the borax, is the porous asbestos pad.

We regard the claims here involved as nothing more than the shortening of the borax portion and the substitution in place of the part previously occupied by the borax of a felt or asbestos block. It involved nothing more than mechanical skill to apply the borax to a portion of the hair desired to be waved and at the same time protect the hair not desired to be waved by the material that will reduce the heating effect of the electric heater. *Thomas Lasting Wave Co., Inc.*, v. *E. Fredericks, Inc.* (C. C. A.) 277 F. 186. It was not invention to make a shorter borax pad to curl one or two inches near the scalp and protect the rest of the hair. Since this was the only problem involved in the thought of this invention, we must hold that inventive thought was not displayed and that the patent in suit is invalid.

[4] The bill of complaint on the Roos patent, No. 1,206,917 which was involved in the first two suits, was withdrawn upon application of the appellee and over the protest of the appellant. Equity rule No. 8 of the district court provides:

Voluntary Discontinuances. If justice requires, the court, after issue joined, may refuse to permit the plaintiff to discontinue, even though the defendant cannot have affirmative relief under the pleadings, and though his only prejudice is the vexation and expense of a possible second suit upon the same cause of action.

This rule was effective when this cause was tried. We think it was error to permit the withdrawal of this suit without prejudice. It did prejudice the defendant, and was contrary to the rule of the court. It was the kind of abuse of practice which led to the promulgation of equity rule No. 8. The withdrawal without prejudice was improvidently granted, and that part of the decree should be reversed with directions to dismiss.

The decree is reversed, with directions to the district court to dismiss the bill in each case.

## U. S. Circuit Court of Appeals—Second Circuit.

HAMMER *v.* ROBERTSON, COMMISSIONER OF PATENTS.

IN RE HAMMER.

*Decided February 20, 1925.*

1. BILL IN EQUITY—SECTION 4915, REVISED STATUTES—COURT CAN NOT RENDER ADVISORY OPINION WHETHER THERE IS ANY REMEDY UNDER STATUTE. The Circuit Court of Appeals, to which appeal has been taken from dismissal, for want of jurisdiction, of suit under Revised Statutes, section 4915 (Comp. St., sec. 9460), by unsuccessful applicant for patent against the Commissioner, can not render an advisory opinion as to whether there is any remedy under such statute for such an applicant with no opponent but the Commissioner.

2. SAME—SAME—PETITION TO COURT FOR ISSUANCE OF PATENT, NAMING NO DEFENDANT, HELD NOT A SUFFICIENT BILL IN EQUITY. Any proceeding under Revised Statutes, section 4915 (Comp. St., sec. 9460), to obtain issuance of patent must be by plenary suit in equity, and a petition to court, naming no defendant, is not a sufficient bill in equity.

3. SAME—SAME—SERVICE IN WASHINGTON ON COMMISSIONER OF PATENTS HELD NOT TO GIVE JURISDICTION IN SUIT IN NEW YORK TO OBTAIN ISSUANCE OF PATENT. Defendant Commissioner of Patents, not being a citizen or resident of New York, where suit, under Revised Statutes, section 4915 (Comp. St., sec. 9460), was brought to obtain issuance of patent, service of original process on him in Washington, D. C., gave no jurisdiction.

4. SAME—SAME—APPEAL AD MISERICORDIAM, BECAUSE OF EFFECT OF STATUTE, TO BE MADE TO CONGRESS. Appeal ad misericordiam, because of effect of statute, must be made to Congress, which makes statutory law; the court merely applying it.

APPEAL from the District Court of the United States for the Eastern District of New York.

Suit by Peter Hammer against Thomas E. Robertson, Commissioner of Patents, with petition in equity by Peter Hammer, to procure issuance of a patent under Revised Statutes, section 4915 (Comp. St., sec. 9460). Motions to dismiss were granted (325 O. G. 3; 1924 C. D. 184; 291 F. 656; 325 O. G. 4; 1924 C. D. 187; 300 F. 246), and defendant appeals. Affirmed.

STATEMENT OF THE CASE.

Hammer, a resident of the district above named, first brought suit against the Commissioner of Patents, alleging that he had applied for a patent in the usual way and been refused by the Office, whose decision had been affirmed by the Court of Appeals for the District of Columbia on June 2, 1923. Wherefore he prayed that the court below would decree that said patent be issued by the defendant Commissioner, pursuant to Revised Statutes, section 4915 (Comp. St., sec. 9460). On this bill process issued and was served on the Commissioner in the District of Columbia. Defendant appeared specially and moved to dismiss for lack of jurisdiction. Motion was granted, and from decree accordingly Hammer appealed.

He then filed what he called a "bill of complaint" in the court below, *naming no defendant and praying no process*, but setting up the same facts and praying the same relief. Of this document he sent a copy by mail to the Commissioner in Washington, D. C., who thereupon again appeared specially and moved to dismiss as before. This motion was also granted, and Hammer again appealed. It is admitted that the Commissioner is not a citizen or resident of New York, or any district thereof, but is a citizen and resident of Maryland, whose official residence is in Washington, D. C.

*Mr. Wm. E. Warland* for the appellant.

*Mr. Ralph C. Green* (*Mr. Wm. A. De Groot* of counsel) for the appellee.

Before ROGERS, HOUGH, and MANTON, Circuit Judges.

PER CURIAM:

Hammer, in prosecuting his application for a patent, encountered no opposition from other parties claiming the same asserted invention. There was no interference. His only opposition (so to speak) was from the Examiners; i. e., the Office. His was, in common parlance, an ex parte, not an inter partes, proceeding.

[1] By this appeal he seeks to present a question not without interest, viz: Is there *any* remedy under Revised Statutes, section 4915 (Comp. St., sec. 9460), for an applicant such as he, who has no successful patentee to sue, and no opponent but the Commissioner himself? On this question we can not render an advisory opinion, for no such function is granted us. We can only decide whether such a disappointed patentee applicant can bring a *suit* under the statute in his home district, and either compel an official whose private and official residences are elsewhere there to appear, or obtain relief without either service or appearance.

[2] As for the second effort (In re Hammer) it is a sufficient, though summary, holding to point out that the statute (R. S., sec. 4915) provides only for a "remedy by bill in equity," and this petition to the court is not and can never be such a bill. That any proceeding under this statute is by plenary suit in equity is settled. *Dover* v. *Greenwood* (C. C. A.) 177 F. 946. And there is nothing to the contrary of this holding in *Re Greeley*, 6 Fisher, 575.

[3] As to the first attempt, that is in form a plenary suit, not unlike *Barrett* v. *Ewing*, 243 O. G. 1065; 1917 C. D. 353; 242 F. 506; 155 C. C. A. 282, and several others, and the only question is whether the service of process confers jurisdiction; a point on which *Butterworth* v. *Hill*, 31 O. G. 1043; 1885 C. D. 292; 114 U. S. 128; 5 S. Ct. 796, 29 L. Ed. 119, has never been overruled and is binding on us. Therefore we hold that service on the defendant in Washington, D. C., was unavailing, and the decision below was right.

[4] Appellant urges that this renders Revised Statutes, section 4915, a farce, because it throws him back into the courts of the District of Columbia, which have already decided against him, unless Mr. Robertson consents to be served in the district of his home, and he wants *rights*, not favors. Even recourse to the Supreme Court of the United States is by recent legislation denied. *Chott* v. *Ewing*, 215 O. G. 1264; 1915 C. D. 327; 237 U. S. 197; 35 S. Ct. 571; 59 L. Ed. 913; *Baldwin* v. *Howard*, 286 O. G. 865; 1921 C. D. 359; 256 U. S. 35; 41 S. Ct. 405; 65 L. Ed. 816. This is the appeal ad misericordiam, and must be addressed to Congress, which makes statute law, not to us who apply it.

Decree affirmed.



## PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

952,645, H. L. Smith, Reenforced-concrete sectional sea wall, suit filed Oct. 10, 1925, D. C., N. D. Calif., Doc. E 1577, *H. L. Smith* v. *Alaska Packers Assn. et al.*

958,478, W. E. Davey, Process of reenforcing trees, suit filed Sept. 23, 1925, D. C. Conn., Doc. E 1818, *The Davey Tree Expert Co.* v. *E. Maynard.* Same, consent decree for perpetual injunction Oct. 20, 1925, D. C. Minn., (4th Div.), Doc. E 480, *The Davey Tree Expert Co.* v. *E. G. Perl.*

1,169,380, L. Cohen, Self-adjusting hat conformer and retainer, 1,209,121, same, Combined hat lining and bandeau, final consent decree sustaining patent and granting injunction Oct. 14, 1925, D. C., S. D. N. Y., Doc. E 30/211, *L. Cohen et al.* v. *R. Martean* (*The E. Z. Band-O Co.*)

1,181,370, A. C. Brown, Adjustable faucet attachment, suit filed Oct. 13, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1365, *A. C. Brown* v. *The Sterling Brass Co.* Final decree Oct. 13, 1925, patent held valid and infringed, injunction granted.

1,197,224, W. E. Moore, Clip for fountain pen (and 1,548,548 C. H. Patten, Writing instrument, included by answer Oct. 2, 1925), suit filed Sept. 11, 1925, D. C. R. I., Doc. 226, *Parker Pen Co.* v. *Rex Mfg. Co.*

1,209,121. (See 1,169,380.)

1,237,015, W. C. Brinton, jr., Electrical condenser and process of making same, suit filed Oct. 7, 1925, D. C., S. D. N. Y., Doc. E 34/44, *Dubilier Condenser & Radio Corp.* v. *Rance Corp.* Same, suit filed Oct. 8, 1925, D. C., S. D. N. Y., Doc. E. 34/71, *Dubilier Condenser & Radio Corp.* v. *Walthal Electric Co., Inc.*

1,346,926, C. Weitz, Stylographic fountain pen, suit filed Oct. 17, 1925, D. C., S. D. N. Y., Doc. E 34/106, *C. Weitz* v. *S. Lisk et al.* (*S. Lisk & Bros.*).

1,385,807, R. E. Wetter, Traffic-signal system, suit filed in D. C., N. D. Tex. (Dallas), Doc. E 3048/306. *Universal Traffic Control Co. et al.* v. *City of Dallas.* Patent held not infringed. (See 6 F. R. (2d) 282.)

1,399,118, 1,469,272, W. H. Hermann, Tire-building machine, suit filed Oct. 16, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1641, *The Hermann Tire Building Machine Co.* v. *The Mason Tire & Rubber Co.*

1,444,740, G. H. Gerwerdts, Mold, appeal filed Oct. 13, 1925, C. C. A. (2d Cir.), Doc. 8921, *A. G. Miller* v. *Feraca Stone Works, Inc., et al.*

1,457,625, A. Freydberg, Fabric binding strip, Filed consent and order of discontinuance, Oct. 22, 1925, D. C., S. D. N. Y., Doc. E 32/286, *Freydberg Bros., Inc.*, v. *M. Freedman.*

1,469,272. (See 1,399,118.)

1,521,259, F. Stolzenberg, Imitation fur and method of producing same, suit filed Sept. 3, 1925, D. C. Conn., Doc. E 1817, *S. Blumenthal & Co., Inc.*, v. *Salt's Textile Mfg. Co.*

1,526,982, W. E. Hill, Stencil sheet, suit filed Oct. 9, 1925, D. C., N. D. Calif., Doc. E 1576, *A. B. Dick Co.* v. *The Styx Co.*

1,533,669, H. Solomon, Machine for applying backs to mirrors, suit filed Oct. 16, 1925, D. C., S. D. N. Y., Doc. E 34/97, *H. Soloman* v. *M. Lubliner, et al.* (*Modern Mirror Novelty Co.*).

1,548,496, Weeks & Bloch, Pencil-printing machine, suit filed Oct. 9, 1925, D. C., S. D. N. Y., Doc. E 34/73, *C. M. Weeks Co., Inc.*, v. *C. M. Weeks.*

1 548,548. (See 1,197,224.)

Des. 62,482, H. Frischer, Plaited fabric, final consent decrees sustaining patent and granting injunction (notice dated Oct. 7, 1925), D. C., S. D. N. Y., Doc. E 28/248, *H. Frischer* v. *Eckstein & Landan* (*I. D. Mfg. Co.*); and Doc. E 28/249, *H. Frischer* v. *L. Landan et al.* (*Landan Bros.*).

Re. 15,749, J. C. Coulombe, Fuel-feeding device, suit filed July 16, 1925, D. C. Conn., Doc. E 1811, *J. C. Coulombe* v. *G. G. Vacuum Tank Corp. et al.*

T. M. 22,406, T. M. 47,189, The Coca-Cola Co., Nutrient or tonic beverage, suit filed Oct. 16, 1925, D. C., N. D. Ohio (E Div.), Doc. E. 590, *The Coca-Cola Co.* v. *C. J. Higgins.*

T. M. 47,189. (See T. M. 22,406.)

T. M. 74,530, Ford Motor Co., Motor vehicles and their parts: T. M. 172,198, T. L. Finney, Nonalcoholic maltless beverage and sirup and extracts for the manufacture of same, suit filed Oct. 13, 1925, D. C., N. D. Ala., Doc. 541, *Ford Motor Co.* v. *Ford Cola Syrup Co.*

T. M. 172,198. (See T. M. 74,530.)

## ADJUDICATED PATENTS.

(D. C. Del.) The Backeland patents, Nos. 942,690 and 942,809, for "bakelite," *Held* not infringed. *Bakelite Corporation* v. *Brunswick-Balke-Collender Co.*, 7 F. (2d) 697.

(D. C. Mich.) The Ledwinka patent, No. 1,143,635, for automobile body, claims 3, 9, 10, 14, 19, 22, 28–31, inclusive, 38, and 39 *Held* invalid. *Edward G. Budd Mfg. Co.* v. *C. R. Wilson Body Co.* 7 F. (2d) 746.

(C. C. A. Calif.) The Roberti patent, No. 1,180,432, for nonstretching ventilated mattress, claims 2 and 3 *Held* valid and infringed. *Jonas* v. *Roberti*, 7 F. (2d) 563.

(D. C. Mich.) The Ledwinka patent, No. 1,214,932, for support for a vehicle-top iron, *Held* invalid. *Edward G. Budd Mfg. Co.* v. *C. R. Wilson Body Co.*, 7 F. (2d) 746.

(D. C. Mich.) The Ledwinka patent, No. 1,255,323, for removable upholstery for vehicles, *Held* not infringed. *Edward G. Budd Mfg. Co.* v. *C. R. Wilson Body Co.*, 7 F. (2d) 746.

(D. C. Mich.) The Ledwinka patent, No. 1,275,274, for automobile body, claims 1 and 2 *Held*

not infringed and claims 11 and 12 *Held* invalid. *Edward G. Budd Mfg. Co.* v. *C. R. Wilson Co.*, 7 F. (2d) 746.

(D. C. Iowa) The Smalley patent, No. 1,504,154 for automobile supports, *Held* valid and infringed *Smalley* v. *Auto Specialists, Inc., of Sioux City, Iowa*, 7 F. (2d) 710.

## ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,520,122, F. C. Gephart and R. H. Harries, Process for making solid, water-soluble tea products, decided November 5, 1925, claims 8, 9, 10, and 14.

Pat. 1,512,566, O. M. Tucker and W. A. Reeves. Method and apparatus for delivering viscous glass, decided November 6, 1925, claims 1, 3, and 12.

Pat. 1,504,295, S. B. Williams, jr., Telephone-exchange system, decided November 5, 1925, claim 22.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 52,684, Canned fruits, vegetables, and oysters, Platt and Company, Baltimore, Md. Registered May 15, 1906. Decided November 4, 1925.

T. M. 38,111, Groceries, G. K. McGaw and Co., Baltimore, Md. Registered April 15, 1902. Decided November 4, 1925.

T. M. 128,705, Condensed milk, Galeton Dairy Products Co., Galeton, Pa. Registered January 13, 1920. Decided November 4, 1925.

## Disclaimers.

1,532,711.—*Donald McGregor Newton*, Montclair, N. J. METHOD AND APPARATUS FOR THE FORMATION OF PILING. Patent dated April 7, 1925. Disclaimer filed November 23, 1925, by the patentee, and assignee, *MacArthur Concrete Pile & Foundation Co., Inc.*

Hereby enters this disclaimer of that part of said Letters Patent which is in the following words, to wit:

*"What is claimed is:—*

*"1. The herein described method of forming footings in sand or soft soils, consisting in sinking a capped casing into the ground to the full depth at which the footing is to be formed, partially filling said casing with a foundation material, forcibly ramming said material and simultaneously partially withdrawing said casing, removing the cap by the withdrawal of the casing and the pressure of the ram and ramming the foundation material to compress the surrounding soil and form an enlarged footing.*

*"2. The herein described method of forming footed concrete piles in sand or soft earth, consisting in driving a casing having a removable driving cap, into the ground to the full depth to which the pile is to extend, partially filling the casing with foundation material, ramming said foundation material and simultaneously partially withdrawing the casing to remove the cap and to provide an unlined cavity beneath the lower end of the casing, continuing the ramming of the foundation material to force the same outwardly and beyond the walls of the cavity, thereby compressing the surrounding soil so that an enlarged footing is formed, subsequently filling the casing, and ramming the material and finally withdrawing the casing while retaining the material under pressure to cause the material to contact with the walls of the cavity formed by the casing and form a complete column.*

*"3. The method of forming piles which comprises introducing into a casing a ram adapted to fit snugly within the interior of the casing and having means to limit downward movement thereof in the casing when said head reaches the lower end of the casing, moving the ram downwardly in the casing until said means becomes operative, sinking the ram and the casing into the earth, withdrawing the ram, introducing a plastic foundation material into the casing, again inserting the ram into the casing and moving it downwardly therein until said head rests upon the upper surface of said material, and withdrawing the casing from about said material while applying said ram to move downwardly in the casing so as to continuously act to press material into the cavity formed by the withdrawal of the casing.*

*"4. The method of forming piles which comprises inserting into a casing a ram normally movable with respect to the casing but having thereon means to limit the movement thereof when its end is adjacent the casing end, moving the ram into said casing until said means becomes operative, applying force to the ram to sink the ram and the casing into the earth to the full depth of the pile to be formed, withdrawing the ram, introducing a plastic foundation material into the casing, again inserting the ram and thereafter employing the ram to compact and to move said material, upon the withdrawal of the casing, into the cavity presented by such withdrawal.*

*"5. The method of forming piles which comprises sinking a casing into the earth, filling the casing throughout substantially its entire length with a charge of plastic foundation material, inserting into the casing a heavy rod adapted to rest against the upper surface of said material, and withdrawing the casing from about said material while allowing the rod of its own weight to slide downwardly in the casing so as to act against said surface to automatically press the material into the cavity formed by the withdrawal of the casing.*

*"6. The method of forming piles which comprises sinking a capped casing into the ground, partially filling the casing with a foundation material, inserting a ram into the casing, partially withdrawing the casing and moving the ram downwardly to remove the cap from the casing and to force the foundation material against and into the surrounding soil, withdrawing the ram from the casing, again filling the casing with a foundation material, again inserting the ram in the casing, and completely withdrawing the casing from about said material while allowing the ram to move downwardly in the casing so as to bear continuously against the upper surface of said material to press the material into the cavity formed by the withdrawal of the casing."*

1,410,797.—*Edgar M. Clark*, New York, N. Y. ART OF PRESSURE DISTILLATION. Patent dated March 28, 1922. Disclaimer filed November 19, 1925, by the assignee by mesne assignments, *Standard Development Company*.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

*"1. The improvement in the art of pressure distillation of petroleum oils for the purpose of producing lighter products by pyrogenesis, which consists in maintaining a considerable body of said oil under cracking conditions of temperature and pressure, continuously withdrawing oil from the said body, releasing the pressure from the withdrawn oil while the latter is in a heated condition, whereby its lighter fractions will distill off, collecting such lighter fractions and returning them to the oil body for further cracking therein."*

# TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 15, 1925.

[VOL. 341. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 152,386. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SCHUTTE & KOERTING COMPANY, Philadelphia, Pa. Filed Aug. 30, 1921.

*Particular description of goods.*—Engineering Appliances Consisting of Injectors, Condensers, Chemical Equipment, Evaporators, Distillers, Oil Coolers, Feed-Water Heaters, Acid Pumps, Air-Jet Lifts, Vertical or Horizontal Lead Pumps, Automatic Blow Cases.

*Claims use* since May 1, 1921.

Ser. No. 184,369. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILTON C. TRICHEL, doing business as Sun-Flower Pharmacal Co., Shreveport, La. Filed Aug. 11, 1923.

*Particular description of goods.*—Hair Pomade.

*Claims use* since December, 1921.

Ser. No. 185,242. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) CHIEF MANUFACTURING COMPANY, Indianapolis, Ind. Filed Sept. 1, 1923.

*Particular description of goods.*—Machines for Scrubbing Carpets With Water or Other Suitable Cleansing Agents, Washing Machines, and Curtain, Dolly, and Blanket Drying Machines.

*Claims use* since on or about July 27, 1920.

Ser. No. 185,294. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. A. GRIFFIN & Co., Milwaukee, Wis. Filed Sept. 4, 1923.

The words "Extra Fancy Quality Herring," "Brand," and "A1" are disclaimed apart from the mark shown.

*Particular description of goods.*—Salted and Spiced Fish Products.

*Claims use* since September, 1922.

Ser. No. 186,646. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) VESS JONES, New York, N. Y. Filed Oct. 6, 1923.

WHISTLE

*Particular description of goods.*—Automobiles or Taxicabs.
*Claims use* since Sept. 1, 1923.

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Ser. No. 188,332. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE STEAMETER CO., Chicago, Ill. Filed Nov. 14, 1923.

STEAMETER

*Particular description of goods.*—High-Tempered Alarm for Internal-Combustion Engines Attachable Directly Thereto or to the Cooling Radiator Thereof.
*Claims use* since May 2, 1923.

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Ser. No. 189,166. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) R. C. MOORE, Hollywood, Calif. Filed Dec. 8, 1923.

CHEMICURE
the Chemical Cure
PATCH

No claim is made to the words "The Chemical Cure Patch" or to the representation of a tire and tire patch apart from the mark shown in the drawing.
*Particular description of goods.*—Tire Patches.
*Claims use* since July 1, 1923.

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Ser. No. 189,937. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HOUSEHOLD NECESSITY COMPANY, San Francisco, Calif. Filed Dec. 20, 1923.

The World's Greatest Cleaner
Wash-White
The Only Harmless Bleach

No claim is made to the words "The Worlds Greatest Cleanser" and "The Only Harmless Bleach."
*Particular description of goods.*—Washing Compound.
*Claims use* since early part of 1915.

Ser. No. 190,535. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK J. CONJURSKE, doing business as Nulife Company, Sturgeon Bay, Wis. Filed Jan. 8, 1924.

Nulife

*Particular description of goods.*—Hair Tonic.
*Claims use* since Sept. 15, 1921.

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Ser. No. 190,625. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) E. C. ATKINS & COMPANY, Indianapolis, Ind. Filed Jan. 10, 1924.

JUNIOR MECHANIC

The lining on the drawing is shading and does not indicate color.
*Particular description of goods.*—Handsaws.
*Claims use* since Jan. 11, 1923.

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Ser. No. 191,349. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHUTTER-JOHNSON CANDY CO., Chicago, Ill. Filed Jan. 26, 1924.

FRENCH PASTRY

*Particular description of goods.*—Candy.
*Claims use* since Nov. 30, 1923.

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Ser. No. 191,818. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DURAND-MCNEIL-HORNER CO., Chicago, Ill. Filed Feb. 5, 1924.

"CLOVERHILL"

*Particular description of goods.*—Canned Fruits, Canned Vegetables, Canned Fish, Canned Hawaiian Pineapple, Fruit Preserves, Peanut Butter, Fruit Jelly, Tea, Coffee, Dried Codfish, Olives, Honey, Table Sirup, Flavoring Extracts for Food Purposes, Cocoa, Tomato Catchup, Pickles, Olive Oil, Evaporated Milk, Salad Dressing, Dried Fruits, Pepper, Candy, Salted Peanuts, Spaghetti, Self-Rising Pancake Flour, Toasted Corn Flakes, Horse-Radish, Malt Extract for Food Purposes, and Thyme.
*Claims use* since 1911.



Ser. No. 193,186. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KLEAN-RITE AUTO LAUNDRY COMPANY, Chicago, Ill. Filed Mar. 3, 1924.

KLEAN-RITE

*Particular description of goods.*—Automobile Washing Apparatus.
*Claims use* since about Jan. 23, 1924.

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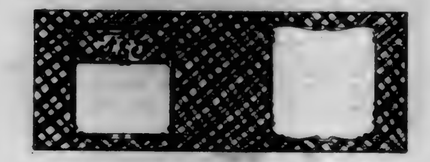
Ser. No. 194,698. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FAXON & GALLAGHER DRUG CO., Kansas City, Mo. Filed Mar. 31, 1924.



The trade-mark is lined to indicate the color blue.
*Particular description of goods.*—Rock Candy, Pure Olive Oil, Cloves, Caraway Seed, Mace, Allspice, Black Mustard, Yellow Mustard, Cinnamon, White Pepper, Black Pepper, and Garden Sage.
*Claims use* since July 1, 1921.

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Ser. No. 198,030. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GEORGE RUSSELL REED COMPANY, San Francisco, Calif. Filed June 3, 1924.

RISILIO

*Particular description of goods.*—Roller Composition for Printing Press.
*Claims use* since Apr. 15, 1924.

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Ser. No. 198,243. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLIAM C. MERRILL, Jr., doing business as Controlite Manufacturing Co., Chicago, Ill. Filed June 7, 1924.

Controlite

*Particular description of goods.*—Electric Dimming Switches and Controls for Vehicle Headlights.
*Claims use* since June 2, 1924.

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Ser. No. 199,610. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) DOBBS MANUFACTURING COMPANY, Grand Rapids, Mich. Filed July 5, 1924.

CIG-A-DOR

*Particular description of goods.*—Container for Smokers' Articles—Namely, Cigars, Cigarettes, and Matches.
*Claims use* since May 15, 1924.

Ser. No. 201,086. (CLASS 12. CONSTRUCTION MATERIALS.) THE INSULITE CO., International Falls and Minneapolis, Minn. Filed Aug. 7, 1924.

INSULITE

*Particular description of goods.*—Plaster Boards, Wall Boards, and Sheathing.
*Claims use* since June 1, 1914.

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Ser. No. 202,275. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BAKER MOTORS, INC., Erie, Pa. Filed Sept. 6, 1924.

ROTOBAKER

*Particular description of goods.*—Rotary Steam Engines.
*Claims use* since April, 1924.

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Ser. No. 202,357. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCOVILLE, BROWN & COMPANY, Wellsville, N. Y. Filed Sept. 8, 1924.

HEART'S DELIGHT

*Particular description of goods.*—Coffee.
*Claims use* since 1894.

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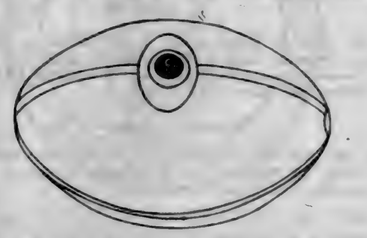
Ser. No. 202,826. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE SEAMLESS RUBBER COMPANY, INC., New Haven, Conn. Filed Sept. 20, 1924.



Drawing is lined for red. The trade-mark consists of coloring the flange of the inflation valve red. No claim being made to the representation of the goods.
*Particular description of goods.*—Seamless Rubber Bladders Used in Footballs, Striking Bags, Basket Balls, Volley or Soccer Balls, and Similar Articles.
*Claims use* since Feb. 2, 1924.

Ser. No. 203,308. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE FULLER BRUSH COMPANY, Hartford, Conn. Filed Oct. 2, 1924.

Fullerex

*Particular description of goods.*—Comb and Brush Cleaners Made from Celluloid and used for Cleaning Hairbrushes and Similar Articles.
*Claims use* since about May, 1924.

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Ser. No. 203,515. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SARA F. HALE, doing business as Velvette Manufacturing Company, New York, N. Y. Filed Oct. 7, 1924.

Velvette

*Particular description of goods.*—Massage Cream and Wrinkle Remover.
*Claims use* since 1923.

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Ser. No. 204,133. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE UNITED ELECTRIC COMPANY, Canton, Ohio. Filed Oct. 18, 1924.

Waxpol
WAXER & POLISHER

No claim is made to the term "Waxer & Polisher" apart from the mark shown on the drawing.
*Particular description of goods.*—Floor-Polishing Tools.
*Claims use* since Sept. 18, 1924.

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Ser. No. 204,230. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. E. GAMBLE COMPANY, Boiling Springs, Pa. Filed Oct. 21, 1924.

CELLAID

*Particular description of goods.*—Milk-Base Preparation in Powdered Form for Making a Food Drink.
*Claims use* since Aug. 15, 1924.

Ser. No. 204,304. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRED BUTTERFIELD & CO., INC., New York, N. Y. Filed Oct. 23, 1924.

KOMO

CLOTH

No claim is made to the word "Cloth" apart from the mark shown in the drawing.
*Particular description of goods.*—Cotton Broadcloth.
*Claims use* since July 17, 1924.

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Ser. No. 204,305. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRED BUTTERFIELD & CO., INC., New York, N. Y. Filed Oct. 23, 1924.

Tissu Charmé

No claim is made to the word "Tissue" apart from the mark shown in the drawing.
*Particular description of goods.*—Cotton Piece Goods—To wit, Tissue Ginghams.
*Claims use* since Sept. 20, 1922.

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Ser. No. 204,936. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIMMONS AND HAMMOND MANUFACTURING COMPANY, Portland, Me. Filed Nov. 6, 1924.

MAINE MAID

*Particular description of goods.*—Prepared Flour for Use in Making Pastries.
*Claims use* since on or about May 30, 1924.

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Ser. No. 205,215. (CLASS 39. CLOTHING.) MUSKIN SHOE COMPANY, Baltimore, Md. Filed Nov. 13, 1924.

NON SKID

*Particular description of goods.*—Boots and Shoes of Leather, Rubber, and Fabric and Combinations of Leather, Rubber, and Fabric.
*Claims use* since Aug. 30, 1914.



Ser. No. 205,854. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOL PERLMON, doing business as Detroit Celery and Produce Company, Detroit, Mich. Filed Nov. 15, 1924.

MORRO CASTLE
BRAND
TOMATOES

The words "Brand" and "Tomatoes" are disclaimed apart from the other features of the mark shown. The drawing is section lined to indicate the colors blue and red in the lettering upon the mark, but color is not an essential feature of the mark and is disclaimed.
*Particular description of goods.*—Fresh Vegetables.
*Claims use* since Nov. 1, 1924.

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Ser. No. 205,605. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MIDA F. KNOBLAUCH, doing business as Dalco Radio Company, New York, N. Y. Filed Nov. 20, 1924.

DALCO DESCRIPTORS

*Particular description of goods.*—Metal Tags for Identifying Parts of Radio Apparatus, Such as Binding Posts and the Like.
*Claims use* since Oct. 11, 1924.

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Ser. No. 206,469. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. ANDERSON TEXTILE MFG. CO. INC., New York, N. Y. Filed Dec. 9, 1924.

KEEP 100% FAST KOLOR
A Wm. Anderson Fabric

No claim is made to "100% Fast," nor "A Wm. Anderson Fabric" nor the words "Keep Kolor" apart from the mark shown in the drawing.
*Particular description of goods.*—Cotton Fabrics and Cotton and Silk Fabrics.
*Claims use* since Nov. 29, 1924.

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Ser. No. 207,430. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa. Filed Dec. 29, 1924.

Kiddie

*Particular description of goods.*—Candy.
*Claims use* since May 1, 1912.

Ser. No. 207,762. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JULIUS SCHMID, INC., New York, N. Y. Filed Jan. 6, 1925.

RADIOLITH

*Particular description of goods.*—Radiopanels.
*Claims use* since Dec. 26, 1924.

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Ser. No. 208,048. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. F. GOODSON & CO. INC., also doing business as J. F. G. Coffee Company, Morristown, Tenn. Filed Jan. 13, 1925.

"THE BEST PART OF THE MEAL"

JFG SPECIAL

No claim is made to the expression "The Best Part of the Meal" and the word "Special" apart from the mark as shown in the drawing.
*Particular description of goods.*—Coffee.
*Claims use* since Mar. 6, 1923.

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Ser. No. 208,630. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALADDIN MFG. COMPANY, Muncie, Ind. Filed Jan. 26, 1925.

ALADYNE

*Particular description of goods.*—Radio Receiving Sets, Loud Speakers, Aerial Loops, and Head Phones.
*Claims use* since May, 1921.

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Ser. No. 208,958. (CLASS 31. FILTERS & REFRIGERATORS.) CENTRAL CONSTRUCTION & SUPPLY COMPANY, Philadelphia, Pa. Filed Feb. 2, 1925.

CENTRAL CONSTRUCTION & SUPPLY CO.
PHILADELPHIA

No claim is made to the words "York" and "Philadelphia" or to the names "Central Construction & Supply Company" or to the representation of the machine apart from the mark shown in the drawing.
*Particular description of goods.*—Refrigerating Equipment—Namely, Ammonia Compressors, Ammonia Condensers, Beverage Coolers, Ice Boxes, Cold-Storage Rooms, Cooling Rooms, Oil Filters, Ice Tanks, and Meat Safes.
*Claims use* since May 1, 1922.

Ser. No. 209,738. (CLASS 39. CLOTHING.) MCCALLUM HOSIERY CO., Northampton, Mass. Filed Feb. 17, 1925. Under ten-year proviso.

**Mc Callum**

No claim is made to the words "Silk Hosiery" apart from the mark as shown.

*Particular description of goods.*—Hosiery for Men, Women, and Children.

*Claims use* since 1884.

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Ser. No. 209,920. (CLASS 38. PRINTS AND PUBLICATIONS.) JOB-WAY HOME STUDY, INCORPORATED, doing business as Associated Drafting Engineers, Chicago, Ill. Filed Feb. 20, 1925.

**JOB-METHOD**

*Particular description of goods.*—Lessons, Instruction Sheets, and Printed Lectures to be Used in Connection with a Correspondence Course.

*Claims use* since about Feb. 1, 1923.

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Ser. No. 210,592. (CLASS 36. MUSICAL INSTRUMENTS, AND SUPPLIES.) MAY WATERSON, doing business as Universal Phonograph Company Manufacturers, New York, N. Y. Filed Mar. 5, 1925.

No claim is made to the words "The Universal Phonograph Co. Manufacturers" apart from the mark shown in the drawing nor to the representation of the phonograph.

*Particular description of goods.*—Phonographs.

*Claims use* since Dec. 9, 1923.

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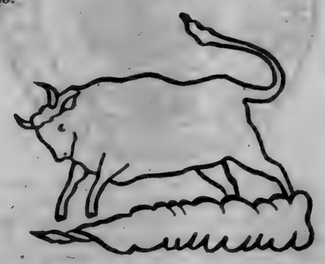
Ser. No. 210,723. (CLASS 37. PAPER AND STATIONERY.) ROBERT FLETCHER & SON LIMITED, Stoneclough, near Manchester, England. Filed Mar. 9, 1925.



*Particular description of goods.*—Tissue Paper, Bank-Note Paper, Legal Cap, Typewriter Paper, Duplicating Paper Not Including Carbon Paper, Copying Paper Not Including Carbon Paper, and Mailing Envelopes.

*Claims use* since May 31, 1891.

Ser. No. 210,744. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL RING TRAVELER CO., Providence, R. I. Filed Mar. 9, 1925.

Applicant disclaims the exclusive right to the representation of the traveler apart from the mark shown.

*Particular description of goods.*—Ring travelers.

*Claims use* since 1870.

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Ser. No. 210,917. (CLASS 15. OILS AND GREASES.) MITCHEL OIL COMPANY, OF NEW JERSEY, Kearny, N. J. Filed Mar. 12, 1925.

Applicant disclaims any right to the exclusive use of the word "Gas" and the name "Mitchel" apart from the mark as used in the drawing.

*Particular description of goods.*—Combustible Oils.

*Claims use* since April, 1922.

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Ser. No. 211,475. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES C. HOWARD, doing business as The Howard Drug Co., Memphis, Tenn. Filed Mar. 23, 1925.

**K-B-L**

*Particular description of goods.*—Medicinal Preparation for Kidney, Bladder, and Liver Ailments.

*Claims use* since Nov. 1, 1920.

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Ser. No. 211,609. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PARKER & WATERMAN MFG. CO., Los Angeles, Calif. Filed Mar. 25, 1925.

**Chrome Gravure**

*Particular description of goods.*—Pieces of Silk Fabric Impregnated with Colored Oil Paints, and Used for Imprinting Designs on Patent Leather, Oilcloth, and Smooth and Polished Surfaces.

*Claims use* since January, 1923.



Ser. No. 212,114. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WATERHOUSE & LESTER CO., San Francisco, Calif. Filed Apr. 2, 1925.

**DRI-TOP**

*Particular description of goods.*—Automobile Top Fabrics.

*Claims use* since Mar. 20, 1925.

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Ser. No. 212,602. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) J. A. FISCHER COMPANY, Philadelphia, Pa. Filed Apr. 13, 1925.

No claim is made to the words "Main Spring" apart from the mark shown in the drawing.

*Particular description of goods.*—Talking Machines, Talking-Machine Repair or Replacement Parts.

*Claims use* since Feb. 1, 1925.

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Ser. No. 212,813. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HAVANA MANUFACTURING COMPANY, Havana, Ill. Filed Apr. 16, 1925.

**TOHR**

*Particular description of goods.*—Plowshares, Lister Shares, Middle-Breaker Shares, Cultivator Shovels.

*Claims use* since Mar. 15, 1925.

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Ser. No. 213,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EAGLE TEA & COFFEE CO., INC., New York, N. Y. Filed Apr. 21, 1925.

**ROYAL CUP**

No claim is made to the word "Royal" except in connection with the word "Cup."

*Particular description of goods.*—Coffee.

*Claims use* since Mar 26, 1925.

Ser. No. 213,252. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES E. MINNICK, doing business as Aspir-Mint Gum Co., Dallas, Tex. Filed Apr. 24, 1925.

*Aspir-Mint*

The word "Mint" is disclaimed apart from the mark shown.

*Particular description of goods.*—Medicated Gum for Colds, Headaches, Sore Throat, and All Pains.

*Claims use* since Mar. 31, 1925.

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Ser. No. 213,440. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JAMES KENYON & SON, LIMITED, Bury, England. Filed Apr. 28, 1925.

No claim is made to the exclusive use of the words "J. Kenyon & Son" and "Poli-Cloth" apart from the mark shown in the drawing.

*Particular description of goods.*—Cotton Polishing Cloths Not Treated.

*Claims use* since Mar. 1, 1924.

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Ser. No. 213,719. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) S. J. MCALLISTER CO. INC., Birmingham, Ala. Filed May 2, 1925.

**MACK'S KLENZOLA**

Applicant disclaims the use of the word "Mack's" apart from the mark shown.

*Particular description of goods.*—Soap.

*Claims use* since Apr. 28, 1925.

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Ser. No. 213,735. (CLASS 38. PRINTS AND PUBLICATIONS.) RAILWAY TRAINING INSTITUTE, Chicago, Ill. Filed May 2, 1925.

*Particular description of goods.*—Books and Instruction Papers Used in Connection with a Correspondence Course.

*Claims use* since on or about Dec. 31, 1924.

Ser. No. 213,986. (CLASS 2. RECEPTACLES.) MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Filed May 7, 1925.

Gaylord
PACKAGE

The name "Gaylord" is a facsimile signature of George S. Gaylord, president of the applicant corporation. No claim is made to the words "Gaylord" or "Package" apart from the mark shown.

*Particular description of goods.*—Empty Paper Containers and Cartons for Ice Cream and Similar Products.
*Claims use* since Apr. 20, 1925.

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Ser. No. 214,033. (CLASS 32. FURNITURE AND UPHOLSTERY.) LOUIS RASTETTER & SONS, Fort Wayne, Ind. Filed May 8, 1925.

THE
SOLID KUMFORT
FOLDING CHAIR

The words "The Folding Chair" are not claimed apart from the mark as shown.

*Particular description of goods.*—Folding Chairs.
*Claims use* since Oct. 14, 1924.

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Ser. No. 214,320. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROY J. HELD, Freeport, Ill. Filed May 14, 1925.

PÉR-MIN-EX

*Particular description of goods.*—Mineral Compounds for Water Softeners.
*Claims use* since Feb. 1, 1925.

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Ser. No. 214,335. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga. Filed May 14, 1925.

VINELAND

Trade-mark consists of the word "Vineland."
*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since 1895.

Ser. No. 214,443. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLIAM R. SANFORD, Howard, R. I. Filed May 16, 1925.

*Particular description of goods.*—Blotters, Writing Pads, Desk Calendars, Correspondence Paper and Correspondence Cards, and Blank Post Cards.
*Claims use* since May 13, 1925.

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Ser. No. 214,652. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FARR PRODUCE COMPANY, Greeley, Colo. Filed May 21, 1925.

*Particular description of goods.*—Raw Produce—Namely, Potatoes, Beans, Onions, and Cabbages.
*Claims use* since approximately Oct. 5, 1923.

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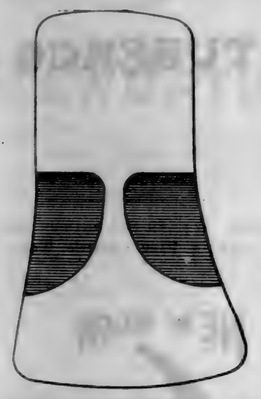
Ser. No. 214,985. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESTELLA WILLIAMS, Newark, N. J. Filed May 27, 1925.

No claim is made to the words "Mme. T. L. Williams" and "Hair Preparations" apart from the mark shown. The portrait is that of applicant.

*Particular description of goods.*—Hair Growers, Hairdressings, Hair Pomades, and Shampoos.
*Claims use* since Apr. 4, 1920.



Ser. No. 215,010. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KELLY AXE AND TOOL COMPANY, Charleston, W. Va. Filed May 28, 1925.



The trade-mark consists of portions of the head of the axe in the form of oppositely-disposed lobes, which are, as shown by the lining in the drawing, colored blue, the balance of the axe head being polished. The central polished tongue portion tapers gradually inwardly from the poll toward the bit portion of the axe. The opposite blue lobe portions are at the top sunk below the level of the poll and tongue portions, being connected thereto by rounded fillets, and at the bottom merge into the polished bit portion immediately below. No claim is made to the representation of the axe shown on the drawing.

*Particular description of goods.*—Axes and Hatchets.
*Claims use* since 1889.

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Ser. No. 215,391. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SQUIRE DINGEE COMPANY, Chicago, Ill. Filed June 5, 1925.

Ma Brown's
"Ol Fashun"

No claim is made to the words "Brown" and "Old Fashion."

*Particular description of goods.*—Pickles.
*Claims use* since May 6, 1925.

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Ser. No. 215,612. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WOODLEY SOAP MANUFACTURING COMPANY, Roxbury, Mass. Filed June 10, 1925.

CREST

*Particular description of goods.*—Soap, Particularly Flake Soap.
*Claims use* since Oct. 15, 1908.

Ser. No. 215,745. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES S. KIRK & COMPANY, Chicago, Ill. Filed June 13, 1925.

Satinet

*Particular description of goods.*—Soap.
*Claims use* since on or about Oct. 15, 1877.

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Ser. No. 215,789. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN B. HOWELL, Marion, N. Y. Filed June 15, 1925.

No claim is made to the words "Marion Brand" apart from the mark shown.

*Particular description of goods.*—Buckwheat, Wheat, and Corn Flour, Horse Feed, Egg Mash, Scratch Grain, Chick Mash, Chick Grain, Dairy Feed, Calf Meal, Middlings, Bran, Breakfast Cereal, Table Meal, and Stock Feed.
*Claims use* since Nov. 1, 1924.

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Ser. No. 215,877. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RIEBE-WERK AKTIENGESELLSCHAFT, Berlin and Weissensee, near Berlin, Germany. Filed June 16, 1925.

Rondo

*Particular description of goods.*—Ball Bearings and Roller Bearings.
*Claims use* since Mar. 16, 1925.

Ser. No. 215,880. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCHULTHESS & CO. AKTIENGESELLSCHAFT, Basel, Switzerland. Filed June 16, 1925.

The silhouette of the female head is fanciful.
*Particular description of goods.*—Ribbon Made of Silk, Artificial Silk, Cotton, Velvet, and Combinations of Such Materials.
*Claims use* since about December, 1924.

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Ser. No. 216,154. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVIS BROS. CHEESE CO., Plymouth, Wis. Filed June 22, 1925.

*Particular description of goods.*—Cheese.
*Claims use* since 1861.

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Ser. No. 216,199. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MONARCH LEATHER COMPANY, Chicago, Ill. Filed June 22, 1925.

PYGMALION

*Particular description of goods.*—Leather.
*Claims use* since May 1, 1925.

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Ser. No. 216,358. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JOSEPH PORRITT & SONS LIMITED, Manchester and Helmshore, near Manchester, England. Filed June 24, 1925.

The words "Cotton Dryer" appearing on the drawing are hereby disclaimed as no part of this trade-mark.
*Particular description of goods.*—Cotton Driers for Paper Makers, Not in the Piece.
*Claims use* since about March, 1925.

Ser. No. 216,368. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TUBERCO MFG. CO., Atlanta, Ga. Filed June 24, 1925.

— TUBERCO —

*Particular description of goods.*—Medicine in Capsule Form for the Treatment of Tuberculosis.
*Claims use* since June 10, 1925.

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Ser. No. 216,474. (CLASS 38. PRINTS AND PUBLICATIONS.) IRENE A. PARRY, Seattle, Wash. Filed June 26, 1925.

The name appearing on the drawing is disclaimed apart from the mark shown.
*Particular description of goods.*—Educational Printed Charts for Children.
*Claims use* since May 2, 1925.

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Ser. No. 216,493. (CLASS 37. PAPER AND STATIONERY.) THE ALBEMARLE PAPER MANUFACTURING CO., Richmond, Va. Filed June 27, 1925.

No claim is made to the words "Tia Wrap" and representation of a wrapped tire casing apart from the mark shown on the drawing.
*Particular description of goods.*—Wrapping Paper.
*Claims use* since June 1, 1925.



Ser. No. 216,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TULARE PACKING COMPANY, Tulare, Calif. Filed June 29, 1925.

FULLWORTH

*Particular description of goods.*—Canned Fruit.
*Claims use* since May 10, 1925.

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Ser. No. 216,790. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. G. MCDONALD CHOCOLATE COMPANY, Salt Lake City, Utah. Filed July 2, 1925.

MOUNTAIN MILK

*Particular description of goods.*—Candy.
*Claims use* since Aug. 1, 1921.

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Ser. No. 216,919. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L'AIGLON PERFUMERY CO., INC., Newark, N. J. Filed July 6, 1925.

All wording appearing on the drawing with the exception of the name "L'Aiglon" is disclaimed apart from the mark shown.
*Particular description of goods.*—Perfume, Hair Tonic, Toilet Water, Toilet Cream, Brilliantines, Rouges, Cleansing Creams, Face Powders, Nail Polish, and Paste.
*Claims use* since June 19, 1925.

Ser. No. 217,061. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN PACKING COMPANY, St. Louis, Mo. Filed July 9, 1925.

The words "American Brand" do not form a part of the mark sought to be registered apart from the mark shown in the drawing.
*Particular description of goods.*—Hams, Bacon, Lard, Sausage, and Feeding Tankage.
*Claims use* since January, 1924.

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Ser. No. 217,089. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RATIE ELLIOT GLEIK, doing business as Diamond 'O' Orchards, Sacramento, Calif. Filed July 9, 1925.

CLUSTER

*Particular description of goods.*—Fresh Pears.
*Claims use* since Mar. 25, 1925.

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Ser. No. 217,414. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) OHIO MALT PRODUCTS COMPANY, Toledo, Ohio. Filed July 15, 1925.

MONK

No claim is made to the name "Monk" except in association with the design of a dog as shown in the drawing.
*Particular description of goods.*—Malt Extract.
*Claims use* since Apr. 17, 1925.

Ser. No. 217,459. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST HEALEY, Foxton, Wellington, New Zealand. Filed July 16, 1925.

All wording appearing on the drawing except the word "Varex" is disclaimed apart from the association shown.

*Particular description of goods.*—Medicinal Preparation for Human Use in the Treatment of Bad Legs, Varicose Ulcers, and Kindred Complaints.

*Claims use* since October, 1919.

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Ser. No. 217,507. (CLASS 39. CLOTHING.) FRANKLIN SIMON & Co. INC., New York, N. Y. Filed July 17, 1925.

HEATHERBRIGGAN

*Particular description of goods.*—Men's and Boys' House Coats, Waistcoats, Smoking Jackets, Overcoats, Hunting Suits, Sack Suits, Norfolk Suits, and Trousers; Women's, Girls', and Misses' Dresses, Tailored Suits, Sport Coats and Suits, Knitted and Textile Negligees, and Skirts; and Men's, Women's, Misses', and Boys' Sweaters, Mufflers, Hosiery, Golf Suits, Riding Suits, Walking Suits, Blouses, Jumpers, Knickerbockers, and Bathrobes.

*Claims use* since June 1, 1925.

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Ser. No. 217,815. (CLASS 45. BEVERAGES, NON-ALCOHOLIC. CHOC-AU-LAIT CORPORATION, New York, N. Y. Filed July 24, 1925.

Applicant disclaims the word "Nectar" apart from the mark shown in the drawing.

*Particular description of goods.*—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Strups for Making the Same, Except Ginger Ale.

*Claims use* since July, 1923.

Ser. No. 218,166. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CONTINENTAL TIRE CORPORATION, Chicago, Ill. Filed July 31, 1925.

SUPERTONE

*Particular description of goods.*—Radio Receiving Sets and Parts Thereof.

*Claims use* since Sept. 26, 1924.

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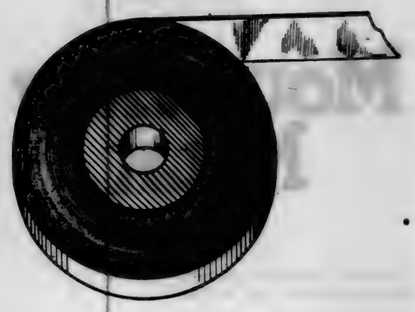
Ser. No. 218,196. (CLASS 37. PAPER AND STATIONERY.) MID-STATES GUMMED PAPER COMPANY, Chicago, Ill. Filed July 31, 1925.



No claim is made to the representation of a roll of tape. The trade-mark is the green coloring of the core.

*Particular description of goods.*—Gummed Paper Tape.

*Claims use* since on or about Nov. 1, 1919.

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Ser. No. 218,277. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK C. WEBER & Co., Chicago, Ill. Filed Aug. 1, 1925.

JEWEL

*Particular description of goods.*—Mace, Celery Salt, Chili Powder, Pepper, New Orleans Molasses, Canned Pork and Beans, Canned Tomato Purée, Piccalilli, Catchup, Prepared Mustard, Sour Gherkins, Sweet Gherkins, Peanut Butter, Honey, Olives, Chowchow, Salad Oil (a Cottonseed Product); Sweet Mixed, Consisting of Pickles, Onions, Cauliflower, and Other Vegetables; Sour Mixed, Consisting of Pickles, Onions, Cauliflower, and Other Vegetables; Canned Onions, Canned Fruits—Namely, Peaches, Pineapple, Cherries, Apples, Apricots, Plums, Pears; Canned Vegetables—Namely, Sweet Corn, Peas, Beans, Succotash, Lima Beans, Tomatoes, Spinach, Sweet Potatoes, Pumpkin, Beets; Canned Berries; Canned Preserves—Namely, Apple and Strawberry, Apple and Red Raspberry; Jelly; Canned Sardines, Canned Salmon, Canned Oysters, Canned Shell Fish.

*Claims use* since June 16, 1897.



Ser. No. 218,293. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COMMON PRODUCTS ROCHESTER, Rochester, N. Y. Filed Aug. 3, 1925.

No claim is made to the words "Tonic Embrocation" apart from the mark shown. The lining merely indicates shading.

*Particular description of goods.*—Tonic Embrocation for Skin and Scalp.

*Claims use* since Dec. 1, 1924.

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Ser. No. 218,297. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE EMPALMERS' SUPPLY COMPANY, Westport, Conn. Filed Aug. 3, 1925.

DUO-RAA-CO

*Particular description of goods.*—Embalming Fluid.

*Claims use* since Jan. 1, 1925.

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Ser. No. 218,465. (CLASS 12. CONSTRUCTION MATERIALS.) BITUTECT INC., Los Angeles, Calif. Filed Aug. 6, 1925.

No claims is made to the words "Incorporated" or "Bituminous Protection" apart from the mark shown.

*Particular description of goods.*—Cold Liquid Asphalt, Bituminous Cements, Waterproof Coatings, Roofing Compositions, Treeseal, and Various Bituminous Emulsions.

*Claims use* since July 10, 1925.

Ser. No. 218,564. (CLASS 37. PAPER AND STATIONERY.) THE MOORE PEN CO., Boston, Mass. Filed Aug. 8, 1925.

No claim is made to the representation of a fountain pen. The mark consists of three alternate bands of black and gold encircling the cap of the fountain pen at its outer end, the solid black lines in the drawing indicating black bands and the white lines indicating gold bands, each being evenly spaced apart and equal in width as shown in the drawing, all bands being part of the structure of the pen cap.

*Particular description of goods.*—Fountain Pens.

*Claims use* since Jan. 1, 1925.

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Ser. No. 218,565. (CLASS 37. PAPER AND STATIONERY.) THE MOORE PEN CO., Boston, Mass. Filed Aug. 8, 1925.

No claim is made to the representation of a fountain pen. The mark consists of three alternate bands of black and gold encircling the cap of the fountain pen at its outer end, the solid black lines in the drawing indicating black bands and the white lines indicating gold bands, each being unevenly spaced apart and unequal in width, as shown in the drawing, all bands being part of the structure of the pen cap.

*Particular description of goods.*—Fountain Pens.

*Claims use* since Jan. 1, 1925.

Ser. No. 218,566. (CLASS 37. PAPER AND STATIONERY.) THE MOORE PEN CO., Boston, Mass. Filed Aug. 8, 1925.

No claim is made to the representation of a fountain pen. The mark consists in combining the distinguishing combination of blue and black colors in a fountain pen, the body portion being blue and the end portion adjacent to the pen point being black.

*Particular description of goods.*—Fountain Pens.

*Claims use* since June 6, 1925.

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Ser. No. 218,683. (CLASS 38. PRINTS AND PUBLICATIONS.) ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y. Filed Aug. 11, 1925.

ANSCOGRAPH

*Particular description of goods.*—Photographic Prints and Enlargements.

*Claims use* since May, 1925.

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Ser. No. 218,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MALTOP, INC., Buffalo, N. Y. Filed Aug. 11, 1925.

TODDY

*Particular description of goods.*—Nonalcoholic Food Beverage With a Malt-Chocolate Flavor.

*Claims use* since Feb. 1, 1925.

Ser. No. 218,750. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EMIL GERASCH G. M. B. H., Leipzig, Germany. Filed Aug. 12, 1925.

The word "Gerasch's" is disclaimed apart from the mark shown.

*Particular description of goods.*—Printing Machines, Printing Presses, Typesetting Machines, Rapid Typesetting Machines, Rotary Presses, Manifolding Apparatus, Electrotype Machines, Bookbinding Machines, Packing Machines; Printing Instruments, Such as Type-Printing Blocks, or Stones, Electrotypes, Printing Pliers, Printing Levers, Parts of Printing Presses; and Reprint Apparatus, Such as an Apparatus With Which Impressions or Trial Prints Can be Made Before the Set-up is Placed in the Press and Reprint Machines Which Make Single Copies of the Print, Particularly Those in Which an Indirect Printing Method is Used.

*Claims use* since 1923.

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Ser. No. 218,766. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOFFMAN & BLUMENAU, Bay City, Mich. Filed Aug. 12, 1925.

OLD CABIN

*Particular description of goods.*—Maple Sirup for Food Purposes.

*Claims use* since Jan. 5, 1925.

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Ser. No. 218,769. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WILLIAM NATHANSON, Chicago, Ill. Filed Aug. 12, 1925.

NATURADOR

*Particular description of goods.*—Male-Genital-Organ Splint.

*Claims use* since July 15, 1925.



Ser. No. 218,777. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES POETZL, doing business as Poetzl Chemical Co., Baltimore, Md. Filed Aug. 12, 1925.

No claim is made for the words "The Heat Conqueror" apart from the mark shown in the drawing.

*Particular description of goods.*—Lotion for Treatment in Cases of Persons Suffering Attacks of High Blood Pressure, Heat and Sun Stroke, Fatigue, Physical Exhaustion, and the like, Also as a Preventive and Remedy for the Treatment of Skin Diseases Caused by Perspiration, and Also for Destroying Body Odors.

*Claims use* since June 1, 1925.

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Ser. No. 218,783. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. WOLFF & SONS, Chicago, Ill. Filed Aug. 12, 1925.

No claim is made to the word "Wolff's" apart from the mark shown.

*Particular description of goods.*—Cucumbers Pickled, Preserved, or in Their Natural State.

*Claims use* since June 12, 1925.

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Ser. No. 218,789. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BRITISH BELTING & ASBESTOS LTD., London, England. Filed Aug. 13, 1925.

MINTEX

*Particular description of goods.*—Impregnated Asbestos Material in the Form of Rings, Linings, and Coverings for Use in Friction Clutches, Brake Blocks, Brake Bands, Shock Absorbers, and Other Appliances of a like Nature.

*Claims use* since January, 1925.

Ser. No. 218,840. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) VINCENT BACH CORPORATION, New York, N. Y. Filed Aug. 14, 1925.

MERCURY

*Particular description of goods.*—Wind and Percussion Musical Instruments—Namely, Cornets, Trumpets, French Horns, Tenor and Bass Horns, Mellophones, Altos, Trombones, Baritones, Euphoniums, Eb Tuba, Clarinets, Flutes, Oboes, Bassoons, Saxophones, Tympani, Bugles, and Drums, and Also Parts and Accessories Appertaining to Said Instruments—Viz, Mouthpieces, Mutes, Valves, Water Keys, Bells, Reeds, Pedals, Drumsticks, and Drumheads.

*Claims use* since May 1, 1925.

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Ser. No. 218,841. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) VINCENT BACH CORPORATION, New York, N. Y. Filed Aug. 14, 1925.

APOLLO

*Particular description of goods.*—Wind and Percussion Musical Instruments—Namely, Cornets, Trumpets, French Horns, Tenor and Bass Horns, Mellophones, Altos, Trombones, Baritones, Euphoniums, Eb Tuba, Clarinets, Flutes, Oboes, Bassoons, Saxophones, Tympani, Bugles, and Drums, and Also Parts and Accessories Appertaining to Said Instruments—Viz, Mouthpieces, Mutes, Valves, Water Keys, Bells, Reeds, Pedals, Drumsticks, and Drumheads.

*Claims use* since May 1, 1925.

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Ser. No. 218,842. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) VINCENT BACH CORPORATION, New York, N. Y. Filed Aug. 14, 1925.

Stradivarius

*Particular description of goods.*—Wind and Percussion Musical Instruments—Namely, Cornets, Trumpets, French Horns, Tenor and Bass Horns, Mellophones, Altos, Trombones, Baritones, Euphoniums, Eb Tuba, Clarinets, Flutes, Oboes, Bassoons, Saxophones, Tympani, Bugles, and Drums, and Also Parts and Accessories Appertaining to Said Instruments—Viz, Mouthpieces, Mutes, Valves, Water Keys, Bells, Reeds, Pedals, Drumsticks, and Drumheads.

*Claims use* since May 1, 1925.

Ser. No. 218,868. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE Q. MOON & COMPANY, INC., Binghamton, N. Y. Filed Aug. 14, 1925.

MOON'S SPECIAL A

The words "Moon's Special" are disclaimed apart from the mark shown.

*Particular description of goods.*—Scratch Feed and Dairy Ration.

*Claims use* since Oct. 1, 1924.

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Ser. No. 219,027. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) E. BROWN & SON (BLACKING AND BOOT POLISH MANUFACTURERS) LTD., London, England. Filed Aug. 18, 1925.

MELTONIAN

*Particular description of goods.*—Preparation for Cleaning, Dressing, Preserving, and Polishing Leather and Enameled Goods.

*Claims use* since 1840.

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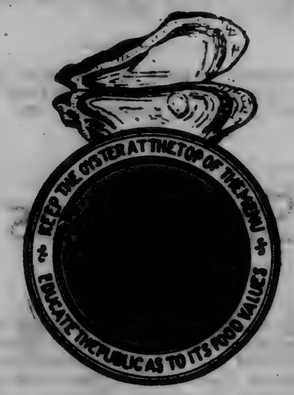
Ser. No. 219,044. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PUBLICITY AND RESEARCH BUREAU, Washington, D. C. Filed Aug. 18, 1925.




The pictorial representation of the goods and the descriptive reading matter is disclaimed apart from the mark as shown by drawing.

*Particular description of goods.*—Canned Fresh Oysters.

*Claims use* since July 1, 1925.

Ser. No. 219,310. (CLASS 39. CLOTHING.) E. T. SLATTERY CO., Boston, Mass. Filed Aug. 24, 1925.

No claim is made to the exclusive use of the words "From E. T. Slattery Co., Opposite Boston Common, 154–156 Tremont Street, Boston, Massachusetts" apart from the mark shown.

*Particular description of goods.*—Women's and Children's Suits, Coats, Dresses, Vestees, Guimpes, Jabots, Sleeves, Silk Scarfs, Woolen Scarfs, Shawls, Boas, Fur Neck Pieces, Fur Scarfs, Fur Muffs, Fur Jackets, and Fur Coats, also Waists, Collars, Cuffs, Leather Gloves, Petticoats, Hosiery, Sweaters, and the Following Articles of Underwear of Textile Fabric, Including Cotton, Muslin, Silk, and Glove-Silk Underwear—viz, Nightgowns, Pyjamas, Chemise (Straight and Envelope), Step-Ins, Bloomers, Camisoles, Costume Slips, Ensemble Suits (Bandeau and Step-In), Bandeaux, Brassières, Corselets, Belts for Personal Wear, Negligee Girdles, Ties, and Garters.

*Claims use* since May 3, 1923.

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Ser. No. 219,339. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEWIS A. GROSS, doing business as Lag Chemical Co., Philadelphia, Pa. Filed Aug. 25, 1925.

PREVENTINE

*Particular description of goods.*—Tonic for the Scalp.

*Claims use* since Aug. 11, 1925.

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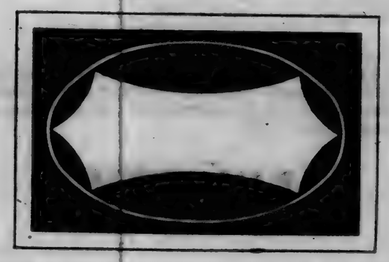
Ser. No. 219,379. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOHN CHATILLON & SONS, New York, N. Y. Filed Aug. 26, 1925.



*Particular description of goods.*—Ice Balances, Sportsmen's Balances, Thermometers, and Spring Scales.

*Claims use* since Apr. 27, 1923.



Ser. No. 219,444. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEATHERBEE-BRUNNER CO., Linden Station, Memphis, Tenn. Filed Aug. 27, 1925.

SUNNYBROOK

*Particular description of goods.*—Coffee, Spices, and Extracts for Food-Flavoring Purposes.

*Claims use* since July 7, 1925.

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Ser. No. 219,528. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSUMERS PROFIT COMPANY, New York, N. Y. Filed Aug. 29, 1925.

NATIONAL SHIELD

*Particular description of goods.*—Canned Tomatoes.

*Claims use* since Aug. 15, 1925.

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Ser. No. 219,565. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) VILLOR P. WILLIAMS, Baltimore, Md., assignor to Miriam S. F. Williams, Baltimore, Md. Filed Aug. 29, 1925.

PARKMOBILE

*Particular description of goods.*—Automobile Parking Devices—Namely, Mechanism for Raising the Vehicle and Moving the Same in a Lateral Direction.

*Claims use* since January, 1925.

Ser. No. 219,579. (CLASS 15. OILS AND GREASES.) DIAMOND CANDLE CO. INC., Brooklyn, N. Y. Filed Aug. 31, 1925.

DIAMOND NIGHT LIGHT CANDLES

The words "Night Light Candles" are disclaimed except in association with the other features.

*Particular description of goods.*—Night-Light Candles.

*Claims use* since Feb. 25, 1920.

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Ser. No. 219,597. (CLASS 39. CLOTHING.) MARGOLIN SHOE COMPANY, Chicago, Ill. Filed Aug. 31, 1925.

Lady Bertha

*Particular description of goods.*—Shoes Made of Leather and Fabric.

*Claims use* since July 1, 1925.

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Ser. No. 219,598. (CLASS 37. PAPER AND STATIONERY.) PERKINS & SQUIER COMPANY, New York, N. Y. Filed Aug. 31, 1925.

LORETTE

Trade-mark consists of the word "Lorette."

*Particular description of goods.*—Blank Books and Printing Paper.

*Claims use* since December, 1908.

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Ser. No. 219,612. (CLASS 37. PAPER AND STATIONERY.) STRATHMORE PAPER COMPANY, Mittineague, Mass. Filed Aug. 31, 1925.

Araby

*Particular description of goods.*—Cover Paper.

*Claims use* since Dec. 9, 1920.

Ser. No. 219,622. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GALEN LABORATORIES, INC., Buffalo, N. Y. Filed Sept. 1, 1925.

VAGISAN

*Particular description of goods.*—Vegetable Jelly for Use in Treating Inflammations and Ulcers of Mucous Membranes.
*Claims use* since Mar. 1, 1921.

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Ser. No. 219,803. (CLASS 12. CONSTRUCTION MATERIALS.) CELLO PRODUCTS INCORPORATED, New York, N. Y. Filed Sept. 4, 1925.

CEL-O-GLASS

*Particular description of goods.*—Article of Manufacture Comprising a Rectangular Metallic Base Covered with a Thin Translucent Elastic Body or Film Firmly Adhering to the Strands of Said Base and Used in the Construction of Temporary Buildings of All Sorts, Temporary Closures for Windows, Doors, etc., of New Buildings Under Construction, Chicken Houses, Greenhouses, Children's Playhouses, Hotbed Sashes, Coldframe, Winter Screens of All Sorts, Porch Inclosures, Sun Parlors, Solariums, Windows, and Transparent Partitions of All Sorts.
*Claims use* since Mar. 26, 1923.

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Ser. No. 219,854. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Sept. 4, 1925.

*Particular description of goods.*—Stock Feed.
*Claims use* since Sept. 19, 1912.

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Ser. No. 219,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Sept. 4, 1925.

HITS THE MARK

*Particular description of goods.*—Stock Feed.
*Claims use* since Sept. 19, 1912.

Ser. No. 219,872. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIG STONE CANNING CO., Ortonville, Minn. Filed Sept. 5, 1925.

GOLDEN CROSS

*Particular description of goods.*—Canned Corn.
*Claims use* since Feb. 5, 1925.

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Ser. No. 219,950. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE FRANKLIN FURNITURE CO., Columbiana, Ohio. Filed Sept. 8, 1925.

No claim is made to the use of the words "Franklin Furniture Co. A-Grade Columbiana, Ohio" apart from the mark shown in the drawing.
*Particular description of goods.*—Household Furniture—Namely, Chairs, Davenports, and Sofas.
*Claims use* since November, 1924.

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Ser. No. 220,004. (CLASS 37. PAPER AND STATIONERY.) JOSEPH WEIL & SONS, INC., Chicago, Ill. Filed Sept. 8, 1925.

RITEWON

*Particular description of goods.*—Wrapping Paper and Toilet Paper.
*Claims use* since Aug. 1, 1924.

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Ser. No. 220,066. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FLINT & WALLING MFG. COMPANY, Kendallville, Ind. Filed Sept. 10, 1925.

HOOSIER

*Particular description of goods.*—Horse Powers; Windlasses, Vises, Grinding Mills for Cereals, Etc., Transmission Gearing, Reliefs for Pump Pressure, Hydropneumatic Cylinders, Air Cylinders, Water Cylinders, Mountings for Pumps, Mountings for Windmills, Working Heads, Pumping Jacks, Internal-Combustion Engines; Water-Supply Systems and Pneumatic Water-Supply Systems with Controllers, Indicators, and Regulators for Assembly in Said Systems, Especially for Domestic and Agricultural Installations, Pumps, and Water-Service Installations.
*Claims use* since 1888.



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Ser. No. 220,074. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERNATIONAL SAFETY RAZOR CORPORATION, Bloomfield, N. J. Filed Sept. 10, 1925.

BOND

Trade-mark consists of the word "Bond."
*Particular description of goods.*—Razor Blades.
*Claims use* since Aug. 20, 1925.

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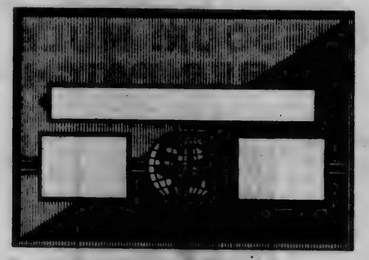
Ser. No. 220,095. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SUPREME PAINT & VARNISH CO., Brooklyn, N. Y. Filed Sept. 10, 1925.



In the drawing the upper left-hand portion of the rectangle above the diagonal line is lined to represent the color red and the remainder of said rectangle is lined to represent the color blue, the border of said upper left-hand portion being lined for blue and the border of said lower right-hand portion being lined for red.
*Particular description of goods.*—All Kinds of Paints and Varnishes.
*Claims use* since September, 1924.

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Ser. No. 220,108. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Sept. 11, 1925.

Panatrope

*Particular description of goods.*—Machines of the Record Type for Reproducing Sound Electrically.
*Claims use* since Aug. 1, 1925.

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Ser. No. 220,193. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNE W. LANFRANCHI, doing business as Rollee, New York, N. Y. Filed Sept. 12, 1925.

Today

*Particular description of goods.*—Perfumes.
*Claims use* since Aug. 26, 1925.

Ser. No. 220,194. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNE W. LANFRANCHI, doing business as Rollee, New York, N. Y. Filed Sept. 12, 1925.

Tonight

*Particular description of goods.*—Perfumes.
*Claims use* since Aug. 26, 1925.

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Ser. No. 220,203. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROTH & NATHAN, INC., New York, N. Y. Filed Sept. 12, 1925.

RONA

*Particular description of goods.*—Woolen Goods in the Piece for Outer Garments and Billiard and Pool Table Covering Cloths.
*Claims use* since January, 1922.

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Ser. No. 220,204. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROTH & NATHAN, INC., New York, N. Y. Filed Sept. 12, 1925. Under ten-year proviso.

ZIPSER

*Particular description of goods.*—Billiard and Pool Table Covering Cloths.
*Claims use* since Dec. 1, 1894.

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Ser. No. 220,219. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTHONY K. DELLAROWE, doing business as Dellarowe Drug Company, Hollywood, Calif. Filed Sept. 14, 1925.

Dellarowe's

The surname "Dellarowe's" is disclaimed apart from the manner shown.
*Particular description of goods.*—Tooth Paste.
*Claims use* since Aug. 10, 1925.

Ser. No. 220,255. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SENAY, GROOM & IPSWITCH, San Francisco, Calif. Filed Sept. 14, 1925.

**Mandarin**

*Particular description of goods.*—Hand-Woven Chinese Wool Rugs Used Only for Floor Coverings.
*Claims use* since May, 1925.

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Ser. No. 220,267. (CLASS 37. PAPER AND STATIONERY.) THE WEIS MANUFACTURING COMPANY, Monroe, Mich. Filed Sept. 14, 1925.

**Cleardex**

*Particular description of goods.*—Filing and Indexing Systems and Devices Consisting of Guide Cards, Index Cards, Folders, and Envelopes for Use with Said Cards.
*Claims use* since Dec. 30, 1922.

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Ser. No. 220,275. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DEL MONTE PROPERTIES COMPANY, San Francisco, Calif. Filed Sept. 16, 1925.

**DEL MONTE**

*Particular description of goods.*—White Sand, Golf-Tee Sand, Playground Sand.
*Claims use* since 1911.

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Ser. No. 220,288. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIJAH HOWARTH, Sheffield, England. Filed Sept. 15, 1925.

**BLATTIS**

*Particular description of goods.*—Preparation for Exterminating Cockroaches and Black Beetles.
*Claims use* since July 23, 1907.

Ser. No. 220,310. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER G. LENNON, doing business as Peter G. Lennon & Co., Joliet, Ill. Filed Sept. 16, 1925.

**GOLDEN SHEAF**

*Particular description of goods.*—Canned Fruits, Canned Vegetables, Canned Fish, Coffee, Tea, Canned Pork and Beans, Canned Evaporated Milk, Chili Sauce, Apple-Cider Vinegar, Fruit Preserves, Spices, and Rolled Oats.
*Claims use* since January, 1924.

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Ser. No. 220,311. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) GEORGE N. LITTLE, Sumner, Mo. Filed Sept. 16, 1925.

**MISSOURI MULE RUBBER PATCH**

No claim is made to the use of the words "Rubber Patch" apart from the mark shown in the drawing.
*Particular description of goods.*—Patches for Repairing Inner Tubes of Tires and Other Repair Uses, Such as Patching Holes in Rubber Hot-Water Bags and Rubber Footwear.
*Claims use* since Jan. 1, 1921.

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Ser. No. 220,354. (CLASS 15. OILS AND GREASES.) PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex. Filed Sept. 17, 1925.

**THE GREASE IN THE SILVER DRUM**

No registration rights are claimed in a silver-colored drum.
*Particular description of goods.*—Lubricating Oils and Greases.
*Claims use* since July 9, 1925.



Ser. No. 220,355. (CLASS 15. OILS AND GREASES.) PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex. Filed Sept. 17, 1925.

**SILVER DRUM**

No registration rights are claimed in a silver-colored drum.
*Particular description of goods.*—Lubricating Oils—Namely, Motor Oils, Diesel Oils, Steam-Cylinder Oils, #1 Neat's-foot Oil, and Engine Oils.
*Claims use* since Aug. 20, 1925.

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Ser. No. 220,410. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Sept. 18, 1925.

**MASTERTEX**

*Particular description of goods.*—Composition for Coloring, Waterproofing, and Coating Concrete, Stucco, Brick, and other Masonry Surfaces for Exterior and Interior Use.
*Claims use* since December, 1924.

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Ser. No. 220,429. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN F. SHAFER, Mason, Tex. Filed Sept. 18, 1925.

*Particular description of goods.*—Preparation for the Extermination of Weeds and Grass.
*Claims use* since Sept. 1, 1925.

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Ser. No. 220,433. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILSON-WESTERN SPORTING GOODS CO., Chicago, Ill. Filed Sept. 18, 1925.

**Leviathan**

*Particular description of goods.*—Tennis Rackets.
*Claims use* since Aug. 1, 1925.

Ser. No. 220,434. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILSON-WESTERN SPORTING GOODS CO., Chicago, Ill. Filed Sept. 18, 1925.

**Red Comet**

*Particular description of goods.*—Tennis Rackets.
*Claims use* since Aug. 1, 1925.

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Ser. No. 220,436. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILSON-WESTERN SPORTING GOODS CO., Chicago, Ill. Filed Sept. 18, 1925.

**Skokie**

*Particular description of goods.*—Tennis Rackets.
*Claims use* since Aug. 1, 1925.

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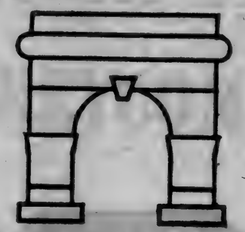
Ser. No. 220,437. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILSON-WESTERN SPORTING GOODS CO., Chicago, Ill. Filed Sept. 18, 1925.



**PRECISION**

Applicant disclaims right to exclusive use of the word "Precision" except in connection with the other features of the mark.
*Particular description of goods.*—Golf Clubs.
*Claims use* since Aug. 5, 1925.

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Ser. No. 220,455. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEDLUND AND COMPANY, Seattle, Wash. Filed Sept. 19, 1925.

Applicant disclaims the exclusive right to the use of the words "Hedlund's", "Delicatessen," and "Just Heat

It and Eat It." The picture on drawing is merely fanciful and not of any living individual. The lining of drawing denotes red color.

*Particular description of goods.*—Canned Roast Beef and Gravy, Boiled Beef and Gravy, Beefsteaks and Gravy, Beef Loaf and Gravy; Beef Balls, Cereal, and Gravy, and Sandwich Spread, a Meat Food Product.

*Claims use* since Apr. 29, 1925.

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Ser. No. 220,470. (CLASS 32. FURNITURE AND UPHOLSTERY.) CHARLES WESLEY RICE, doing business as Chas. W. Rice & Co., Uhrichsville, Ohio. Filed Sept. 19, 1925.

No claim is made to the words "Window Blind" apart from the mark shown in the drawing.

*Particular description of goods.*—Window Shades.

*Claims use* since Nov 1, 1920.

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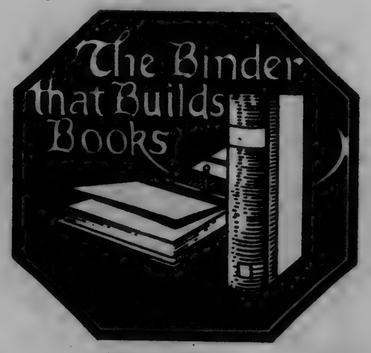
Ser. No. 220,473. (CLASS 37. PAPER AND STATIONERY.) THE ROCHESTER SELF-BINDER CO. INC., Rochester, N. Y. Filed Sept. 19, 1925.




The words "The Binder That Builds Books" and the representation of the goods are disclaimed apart from the mark shown.

*Particular description of goods.*—Self-Binders for Binding Papers of Various Kinds.

*Claims use* since Aug. 1, 1925.

Ser. No. 220,484. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS. UNITED ALLOY STEEL CORPORATION, New York, N. Y., and Canton, Ohio. Filed Sept. 19, 1925.

ENDURO

*Particular description of goods.*—Rust-Resisting Anti-Corrosive Metal and Iron and Steel Bars, Slabs, Billets, Sheets, and Strips.

*Claims use* since July 15, 1908.

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Ser. No. 220,498. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) C-IT PRODUCTS CORPORATION, Moline, Ill. Filed Sept. 21, 1925.

C-it

*Particular description of goods.*—Liquid Glass Cleaner.

*Claims use* since July 15, 1924.

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Ser. No. 220,530. (CLASS 39. CLOTHING.) HART, SCHAFFNER & MARX, Chicago, Ill. Filed Sept. 21, 1925.

Eton Flannels

No claim is made to the word "Flannels" except in connection with the mark as shown.

*Particular description of goods.*—Men's Suits and Trousers.

*Claims use* since Sept. 10, 1925.

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Ser. No. 220,562. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL SANITARY PRODUCTS CO., St. Louis, Mo. Filed Sept. 21, 1925.

NSP
NATIONAL SANITARY PRODUCTS CO.

The name "National Sanitary Products Co." is disclaimed apart from the mark shown.

*Particular description of goods.*—Disinfectants, Insecticides; Chemical Compound for Cleansing, Sterilizing, and Deodorizing Closet Bowls; and Drainpipe Solvents.

*Claims use* since Jan. 1, 1928.



Ser. No. 220,582. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TIOGA MILL & ELEVATOR CO., Waverly, N. Y. Filed Sept. 21, 1925.

Ducatine

*Particular description of goods.*—Duck Feed.

*Claims use* since March, 1924.

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Ser. No. 220,596. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn. Filed Sept. 22, 1925.

COLT AUTOSAN

No exclusive right in the name "Colt" is claimed.

*Particular description of goods.*—Dish, Silver, and Glass Cleaning Machines and Metal-Parts-Cleaning Machines.

*Claims use* since May, 1924.

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Ser. No. 220,611. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KOBE, INC., Los Angeles, Calif. Filed Sept. 22, 1925.

KOBE

*Particular description of goods.*—Well Strainers.

*Claims use* since Apr. 22, 1925.

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Ser. No. 220,624. (CLASS 38. PRINTS AND PUBLICATIONS.) SOCIETE ANONYME L'EUROPE NOUVELLE, Paris, France. Filed Sept. 22, 1925.

L'EUROPE NOUVELLE

*Particular description of goods.*—Weekly Publication.

*Claims use* since Jan. 12, 1918.

Ser. No. 220,629. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBRECHT-RICHTER COMPANY, New York, N. Y. Filed Sept. 23, 1925.

The exclusive use of the word "Arco" apart from the mark as shown on the drawing is disclaimed.

*Particular description of goods.*—Peppermint Drops.

*Claims use* since Sept. 10, 1925.

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Ser. No. 220,630. (CLASS 2. RECEPTACLES.) ATLAS PLYWOOD CORPORATION, Boston, Mass. Filed Sept. 23, 1925.

ATLAS

*Particular description of goods.*—Packing Cases, Shipping Cases, Shooks, Knockdown Boxes, Furniture Boxes, and Butter Tubs.

*Claims use* since July 22, 1914.

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Ser. No. 220,669. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROY NELSON, doing business as Roy Nelson Canning Company, Crane, Mo. Filed Sept. 23, 1925.

TANEYCOMO

*Particular description of goods.*—Canned Vegetables.

*Claims use* since September, 1915.

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Ser. No. 220,670. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROY NELSON, doing business as as Roy Nelson Canning Company, Crane, Mo. Filed Sept. 23, 1925.

AIR LINE

*Particular description of goods.*—Canned Vegetables.

*Claims use* since September, 1913.

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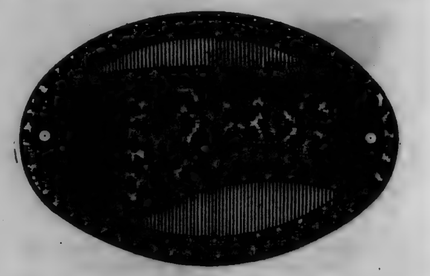
Ser. No. 220,689. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUTTER CO-OPERATIVE GROWERS, San Francisco, Calif. Filed Sept. 28, 1925.

PALOMAR

*Particular description of goods.*—Canned Fruits and Canned Vegetables.

*Claims use* since May 1, 1925.

Ser. No. 220,718. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE HUG COMPANY, Highland, Ill. Filed Sept. 24, 1925.



Color on trade-mark drawing is not claimed.
*Particular description of goods.*—Motor Trucks.
*Claims use* since June 1, 1922.

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Ser. No. 220,754. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MORRIS BERKOWITZ, doing business as South End Hardware Company, Boston, Mass. Filed Sept. 25, 1925.

SEHCO

*Particular description of goods.*—Painters' Brushes.
*Claims use* since Sept. 1, 1922.

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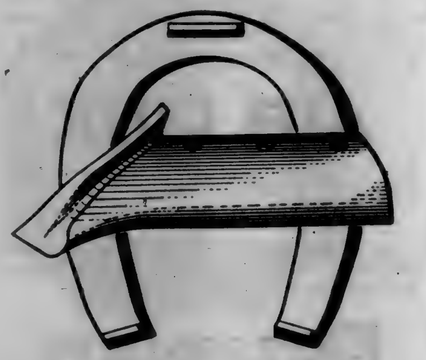
Ser. No. 220,773. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HAVANA MANUFACTURING COMPANY, Havana, Ill. Filed Sept. 25, 1925.



The plowshare shown on trade-mark drawing forms no part thereof.
*Particular description of goods.*—Plowshares, Lister Shares, Middle-Breaker Shares, and Cultivator Shovels.
*Claims use* since Mar. 28, 1925.

Ser. No. 220,778. (CLASS 7. CORDAGE.) RICHARD C. HYLAND, doing business as Hyland Bag Company, San Francisco, Calif. Filed Sept. 25, 1925.

BEST-KINE
UNIFORM QUALITY

H

Applicant disclaims exclusive right to the use of the words "Best-Kine Uniform Quality" apart from the mark as shown.
*Particular description of goods.*—Twine.
*Claims use* since Jan. 2, 1925.

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Ser. No. 220,779. (CLASS 7. CORDAGE.) RICHARD C. HYLAND, doing business as Hyland Bag Company, San Francisco, Calif. Filed Sept. 25, 1925.

RELIABLE
"THAT MAY BE RELIED UPON"

H

Applicant disclaims exclusive right to the use of the words "That May Be Relied Upon" apart from the mark as shown.
*Particular description of goods.*—Twine.
*Claims use* since Jan. 2, 1925.

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Ser. No. 220,781. (CLASS 7. CORDAGE.) RICHARD C. HYLAND, doing business as Hyland Bag Company, San Francisco, Calif. Filed Sept. 25, 1925.

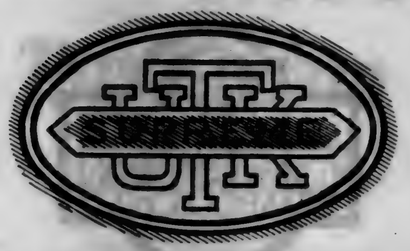
HOLD-TITE
WILL HOLD FIRM AND UNBROKEN

H

Applicant disclaims exclusive use of the words "Hold-Tite Will Hold Firm and Unbroken."
*Particular description of goods.*—Twine.
*Claims use* since Jan. 2, 1925.



Ser. No. 220,811. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UTICA CUTLERY COMPANY, Utica, N. Y. Filed Sept. 25, 1925.



*Particular description of goods.*—Pocketknives.
*Claims use* since July 1, 1910.

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Ser. No. 220,812. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE VON STEINNER AND BAUMGARTNER CO., Washington, D. C. Filed Sept. 25, 1925.

Unity

*Particular description of goods.*—Finger Rings.
*Claims use* since July 9, 1925.

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Ser. No. 220,818. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925.

AMERICAN STORES CO.

No claim is made to the name of the applicant company except in the particular and distinctive manner shown in drawing.
*Particular description of goods.*—Brooms.
*Claims use* since June 5, 1917.

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Ser. No. 220,819. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925.

AMERICAN STORES CO.

No claim is made to the registration of the name of applicant except in the particular and distinctive manner shown.
*Particular description of goods.*—Ammonia and Bluing.
*Claims use* since May 10, 1918.

Ser. No. 220,820. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925.

AMERICAN STORES CO.

No claim is made to the registration of name of applicant company except in the particular and distinctive manner shown.
*Particular description of goods.*—Ginger Ale, Sarsaparilla, Root Beer, and Grape Juice.
*Claims use* since Mar. 20, 1919.

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Ser. No. 220,825. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925.

ASCO

*Particular description of goods.*—Coffee, Paprika, Celery Salt, Grape Jelly, Crab-Apple Jelly, Quince Jelly, Red-Currant Jelly, Bacon, Cracker Meal, Tapioca, Peanut Butter, Canned Peaches, Evaporated Milk, Seedless Raisins, Corn Flakes, Canned Apricots, Canned Asparagus, Canned Asparagus Tips, Bread Crumbs, Rice, Canned Sauerkraut, Canned Cherries, Catchup, Corn Meal, Canned Tomato Purée, Canned Tomato Concentrated, Canned Pears, Canned Tunny Fish, Canned Shrimp, Canned Pumpkins, Cocoa, Canned Raspberries, Canned Strawberries, Canned Fruit Salad, Canned Beets, Strawberry Preserves, Raspberry Preserves, Peach Preserves, Canned Pineapple Preserves, Blackberry Preserves, Canned Pineapple, and Canned Spinach.
*Claims use* since June, 1917, on coffee; on paprika and celery salt since Feb. 13, 1918; on grape jelly, crab-apple jelly, quince jelly, and red-currant jelly since May 10, 1918; on bacon since May 11, 1918; on cracker meal since Apr. 9, 1920; on tapioca since Apr. 21, 1920; on peanut butter since July 15, 1920; on peaches since Sept. 8, 1920; on evaporated milk since Mar. 4, 1921; on seedless raisins since Mar. 5, 1921; on corn flakes since Apr. 1, 1921; on apricots since June 28, 1921; on asparagus and asparagus tips since Aug. 18, 1921; on bread crumbs and rice since Sept. 6, 1921; on sauerkraut and cherries since Sept. 22, 1921; on catchup since Oct. 25, 1921; on corn meal since Nov. 23, 1921; on tomato purée and tomato concentrated since Feb. 12, 1922; on pears since June 11, 1922; on tunny fish since July 10, 1922; on shrimp since July 28, 1922; on pumpkins since Aug. 17, 1922; on cocoa since Sept. 15, 1922; on raspberries, strawberries, and fruit salad since Sept. 21, 1922; on beets since Oct. 30, 1922; on strawberry preserves, raspberry preserves, peach preserves, pineapple preserves, and blackberry preserves since July 10, 1923; on pineapple since Aug. 23, 1923, and on spinach since Sept. 18, 1923; and applicant is the owner of Registration No. 141,477, dated Apr. 26, 1921.

Ser. No. 220,834. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925.

Princess

AMERICAN STORES CO.

No claim is made to the registration of the name of applicant except in the particular and distinctive manner shown in drawing.

*Particular description of goods.*—Mustard, Raspberry Jelly, Strawberry Jelly, Pectin Jelly with Grape Flavor, and Pectin Jelly with Apple Flavor.

*Claims use* since Aug. 18, 1921.

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Ser. No. 220,835. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925.

Sunrise

AMERICAN STORES CO.

No claim is made to the registration of the name of applicant except in the particular and distinctive manner shown by the drawing.

*Particular description of goods.*—Lemon, Orange, Vanilla, and Almond Food-Flavoring Extracts and Tomato Catchup.

*Claims use* since May 18, 1909, on lemon, orange, vanilla, and almond extracts and since Aug. 11, 1924, on tomato catchup.

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Ser. No. 220,837. (CLASS 39. CLOTHING.) PERLEY E. BARBOUR, doing business as Barbour Welting Company, Montello Station, Brockton, Mass. Filed Sept. 26, 1925.

CHECKERWELT

Applicant disclaims any right to the exclusive use of the word "Welt" apart from the combination shown. The mark consists of the word "Checkerwelt."

*Particular description of goods.*—Welting for Boots and Shoes.

*Claims use* since Sept. 18, 1925.

Ser. No. 220,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR G. BROWNE, doing business as Napoleon Salad Dressing Co., Los Angeles, Calif. Filed Sept. 28, 1925.

The portrait shown in the trade-mark is that of Napoleon Bonaparte.

*Particular description of goods.*—Salad Dressing.

*Claims use* since July 1, 1925.

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Ser. No. 220,887. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CEDAR SWEEP CO., San Francisco, Calif. Filed Sept. 28, 1925.

KLEEN-A-PIPE

*Particular description of goods.*—Composition for Cleaning Pipes.

*Claims use* since July 1, 1915.

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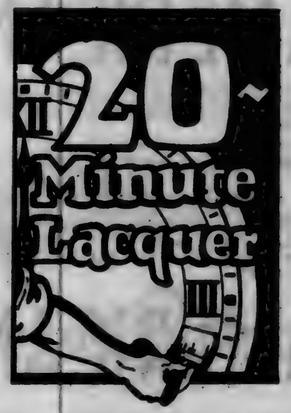
Ser. No. 220,900. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JONES-DABNEY VARNISH COMPANY, Louisville, Ky. Filed Sept. 28, 1925.




The word "Lacquer" is disclaimed apart from the mark as shown.

*Particular description of goods.*—Nitrocellulose Lacquer.

*Claims use* since Sept. 1, 1925.



Ser. No. 220,908. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOORMAN MFG. CO., Quincy, Ill. Filed Sept. 28, 1925.

Top-Kream Minerals

The word "Minerals" is disclaimed apart from the mark as shown in the drawing.

*Particular description of goods.*—Mineral Feed for Cattle, Particularly Dairy Cattle.

*Claims use* since Nov. 28, 1924.

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Ser. No. 220,917. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHENIX CHEESE CORPORATION, New York, N. Y. Filed Sept. 28, 1925. Under 10-year proviso.

L&R

EXCELSIOR BRAND

*Particular description of goods.*—Cheese.

*Claims use* since February, 1884.

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Ser. No. 220,929. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE WHITE-HAINES OPTICAL CO., Columbus, Ohio. Filed Sept. 28, 1925.

*Particular description of goods.*—Spectacles, Spectacle Frames, and Ophthalmic Lenses.

*Claims use* since Feb. 1, 1925.

Ser. No. 220,930. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE WHITE-HAINES OPTICAL CO., Columbus, Ohio. Filed Sept. 28, 1925.

WH

*Particular description of goods.*—Spectacles, Spectacle Frames, and Ophthalmic Lenses.

*Claims use* since Feb. 1, 1925.

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Ser. No. 220,933. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE WHITE-HAINES OPTICAL CO., Columbus, Ohio. Filed Sept. 28, 1925.

*Particular description of goods.*—Spectacles, Spectacle Frames, and Ophthalmic Lenses.

*Claims use* since Feb. 1, 1925.

Ser. No. 220,937. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. S. & S. M. BUSHMAN, Buffalo, N. Y. Filed Sept. 29, 1925.

No claim is made to the word "Candies" except when used with the other features of the mark.
*Particular description of goods.*—Candies.
*Claims use* since Dec. 15, 1907.

Ser. No. 220,962. (CLASS 39. CLOTHING.) LA-ROY HAT CO., New York, N. Y. Filed Sept. 29, 1925.

Junior Maid

*Particular description of goods.*—Ladies' and Children's Hats.
*Claims use* since Sept. 10, 1925.

Ser. No. 220,965. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MCAFEE-NEWELL COFFEE COMPANY, INC., Bloomington, Ill. Filed Sept. 29, 1925.

INCA MAIDEN

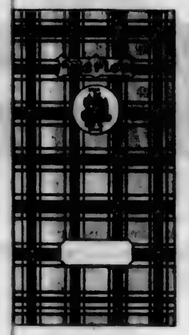
*Particular description of goods.*—Coffee.
*Claims use* since Sept. 10, 1925.

Ser. No. 220,966. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MCAFEE-NEWELL COFFEE COMPANY, INC., Bloomington, Ill. Filed Sept. 29, 1925.

PAL-O-MINE

*Particular description of goods.*—Coffee.
*Claims use* since Sept. 10, 1925.

Ser. No. 220,968. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN MERLE, doing business as The Merle Candy Co., New York, N. Y. Filed Sept. 29, 1925.



The name "Merle's" and the word "Brand" are disclaimed except as shown on drawing. The lining indicates a red background with black stripes.
*Particular description of goods.*—Candy.
*Claims use* since Sept. 22, 1925.

Ser. No. 220,974. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROACH TISDALE & CO., Minneapolis, Minn. Filed Sept. 29, 1925.

The background of the mark and the letters are lined to indicate blue, and the polka dots are lined to indicate orange. No claim is made for the words "Butter Scotch" except as associated with the other features of the mark.
*Particular description of goods.*—Butterscotch Candy.
*Claims use* since May 1, 1922.

Ser. No. 220,994. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CATTARAUGUS CUTLERY CO., Little Valley, N. Y. Filed Sept. 30, 1925.

PAL O' MINE

*Particular description of goods.*—Hunting Knife.
*Claims use* since Jan. 1, 1925.



Ser. No. 220,995. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CATTARAUGUS CUTLERY CO., Little Valley, N. Y. Filed Sept. 30, 1925.

FOREST QUEEN

*Particular description of goods.*—Sheath Knife.
*Claims use* since Jan. 1, 1925.

Ser. No. 221,000. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES DENARO, doing business as Automatic Cone Co., Cambridge, Mass. Filed Sept. 30, 1925.

ICYPI

*Particular description of goods.*—Edible Pastry Containers for Ice Cream, Sherbet, Marshmallow, Crushed Fruit, and Other Similar Foods.
*Claims use* since Mar. 1, 1925.

Ser. No. 221,041. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WYOMING BOILER COMPOUND CO., Douglas, Wyo. Filed Sept. 30, 1925.

WYBOCO

*Particular description of goods.*—Compounds for Use in Boilers for Steam-Generating Plants, for Radiators or Automobiles.
*Claims use* since Dec. 1, 1924.

Ser. No. 221,068. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PATRICK KELLETT, Harrison, N. J. Filed Oct. 1, 1925.

*Particular description of goods.*—Preparation for the Treatment of Asthma.
*Claims use* since Sept. 14, 1925.

Ser. No. 221,073. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAVALADIUM BATHS CO., Los Angeles, Calif. Filed Oct. 1, 1925.

*Particular description of goods.*—Bath and Drinking Water Treating Material Comprising Artificial Stone That Contains Radioactive Minerals.
*Claims use* since June 8, 1925.

Ser. No. 221,086. (CLASS 38. PRINTS AND PUBLICATIONS.) RAINES & SCHMICH PUBLISHING COMPANY, Brooklyn, N. Y. Filed Oct. 2, 1925.

Brooklyn Sunday Star

*Particular description of goods.*—Weekly Publication.
*Claims use* since Sept. 20, 1925.

Ser. No. 221,094. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn. Filed Oct. 2, 1925.

Harmony

*Particular description of goods.*—Radio Receiving, Detecting, and Transmitting Sets and Parts Thereof; Crystal Receiving Sets, Regenerative Receiving Sets, Radio and Audio Frequency Amplifiers, Loud Speakers; Detector, Amplifier, Transmitting, and Rectifying Vacuum Tubes; Vacuum-Tube Sockets, Radio and Audio Frequency Transformers, Rheostats, Grid Leaks, Grid Condensers, Inductance and Coupling Coils, Fixed and Variable Condensers, Insulators, Crystal Detectors and Mountings, Antennæ and Antennæ Equipment, Antennæ Protectors, Loop Antennæ, Telephone Plugs and Jacks, and Electrical Switches.
*Claims use* since on or about June 1, 1925.

Ser. No. 221,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DIXIE PECAN GROWERS EXCHANGE, INC., Barnesville, Ga. Filed Oct. 2, 1925.

DIXIE

*Particular description of goods.*—Shelled and Toasted Pecans and Shelled, Toasted, and Salted Pecans.
*Claims use* since Nov. 4, 1924.

Ser. No. 221,131. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MATCHLESS METAL POLISH CO., Chicago, Ill., and Glen Ridge, N. J. Filed Oct. 2, 1925.

MATCHLESS

*Particular description of goods.*—Oil Polish for Cleaning and Polishing All Enameled, Varnished, or Oiled Surfaces.
*Claims use* since June, 1887.

Ser. No. 221,132. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE MIC-LIS MANUFACTURING CO., Toledo, Ohio. Filed Oct. 2, 1925.

MIC-LIS

*Particular description of goods.*—Tooth Brushes.
*Claims use* since Oct. 21, 1924.

Ser. No. 221,179. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) KLEX MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 3, 1925.

KLEX PLASTINE

*Particular description of goods.*—Modeling Clay.
*Claims use* since on or about Dec. 1, 1910.

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Ser. No. 221,195. (CLASS 39. CLOTHING.) M. NATHAN AND BROTHER, INCORPORATED, Johnstown, Pa. Filed Oct. 3, 1925.

STYLWELT

No claim is made to the word "Welt" except in the particular arrangement and association in which it appears in the drawing.
*Particular description of goods.*—Leather Shoes.
*Claims use* since Aug. 1, 1925.

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Ser. No. 221,204. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) POCAHONTAS FUEL COMPANY INCORPORATED, Pocahontas, Va., and New York, N. Y. Filed Oct. 3, 1925.

AMONATE COAL

Exclusive use of the word "Coal" is disclaimed apart from the mark as shown.
*Particular description of goods.*—Coal.
*Claims use* since Sept. 19, 1925.

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Ser. No. 221,278. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PATENT NOVELTY COMPANY, Fulton, Ill. Filed Oct. 5, 1925.

Polly Prim

*Particular description of goods.*—Dustpans.
*Claims use* since October, 1924.

Ser. No. 221,292. (CLASS 39. CLOTHING.) W. H. TOMLINSON & CO., Bay City, Mich. Filed Oct. 5, 1925.

THOROBILT

Direct to You

No claim is made for the exclusive right to the use of the phrase "Direct to You" apart from the mark shown on the drawing.
*Particular description of goods.*—Boots, Shoes, and Slippers Made of Leather, Rubber, and Fabrics.
*Claims use* since Sept. 24, 1925.

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Ser. No. 221,306. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LESLIE E. CULVER, doing business as The Lesculene Co., Henderson, Ky. Filed Oct. 6, 1925.

Lesculene

*Particular description of goods.*—Pimple Cream.
*Claims use* since June 6, 1925.

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Ser. No. 221,307. (CLASS 38. PRINTS AND PUBLICATIONS.) DUDLEY TYNG FISHER, Jr., Columbus, Ohio. Filed Oct. 6, 1925.

MOTOR MERK

*Particular description of goods.*—Series of Cartoons.
*Claims use* since June 15, 1925.

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Ser. No. 221,330. (CLASS 39. CLOTHING.) NILS UNDERGARMENT CO., New York, N. Y. Filed Oct. 6, 1925.

The words "Under Garments" are only claimed in connection with the other features of the mark shown.
*Particular description of goods.*—Ladies and Childrens' Undergarments of Textile Fabrics and Brassières.
*Claims use* since Oct. 1, 1925.



Ser. No. 221,344. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AMID DURON COMPANY, New York, N. Y. Filed Oct. 7, 1925.

TALAMID

*Particular description of goods.*—Preparation for Softening and Strengthening Leather.
*Claims use* since July 25, 1925.

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Ser. No. 221,351. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL ROOFING & MFG. CO., Baltimore, Md. Filed Oct. 7, 1925.

Curtstrip

*Particular description of goods.*—Shingle Strips.
*Claims use* since July 30, 1925.

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Ser. No. 221,353. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVIES-STRAUSS-STAUFFER COMPANY, Easton, Pa. Filed Oct. 7, 1925.

BUSY BIDDY

*Particular description of goods.*—Cocoa; Canned Corn, Peas, and Tomatoes; Canned Beans and Pork, Rolled Oats, Coffee, Canned Beets, Canned Sauerkraut, Canned Wax Beans, Canned Green Beans, Canned Salmon, Evaporated Milk, and Spices.
*Claims use* since 1910.

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Ser. No. 221,393. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WARD MANUFACTURING CO., INC., Chicago, Ill. Filed Oct. 7, 1925.

CLEARAD

*Particular description of goods.*—Radio Receiving Sets and Parts Thereof, Loud Speakers, Head Phones, and Aerials.
*Claims use* since July 3, 1925.

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Ser. No. 221,402. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SOLOMON M. BENNELL, doing business as The Vacupometer Co., Chicago, Ill. Filed Oct. 8, 1925.

VACUPMETER

*Particular description of goods.*—Instruments for Producing Hyperemia.
*Claims use* since Sept. 30, 1925.

Ser. No. 221,464. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) UNITED ELECTRICAL MFG. CO., Adrian, Mich. Filed Oct. 8, 1925.

ESKIMO

*Particular description of goods.*—Electrical Fans.
*Claims use* since Apr. 1, 1925.

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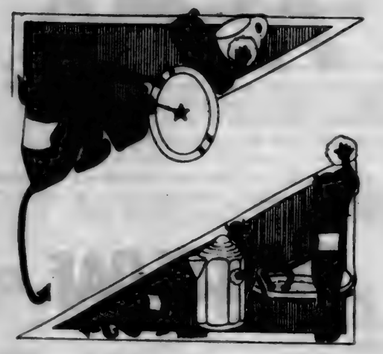
Ser. No. 221,465. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOSEPH A. WARREN, doing business as War On Dirt Chemical Co., Manchester, N. H. Filed Oct. 8, 1925.



*Particular description of goods.*—Polishing and Scouring Cleanser.
*Claims use* since Feb. 27, 1925.

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Ser. No. 221,479. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CROSLEY RADIO CORPORATION, Cincinnati, Ohio. Filed Oct. 9, 1925.

Pup

*Particular description of goods.*—Radio Receiving Sets and Parts Thereof.
*Claims use* since July 27, 1925.

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Ser. No. 221,489. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JABURG BROTHERS, INC., New York, N. Y. Filed Oct. 9, 1925.

Baker's Buddy

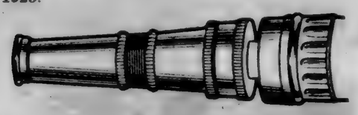
*Particular description of goods.*—Oleomargarine.
*Claims use* since Aug. 21, 1925.

Ser. No. 221,496. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MUELLER BRASS CO., Port Huron, Mich. Filed Oct. 9, 1925.

RED BAND

*Particular description of goods.*—Hose Nozzles.
*Claims use* since on or about Aug. 7, 1925.

Ser. No. 221,497. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MUELLER BRASS CO., Port Huron, Mich. Filed Oct. 9, 1925.



The representation of the hose nozzle appearing in the mark is disclaimed, apart from the mark shown in the drawing. The lining expresses the color red.
*Particular description of goods.*—Hose Nozzles.
*Claims use* since on or about Aug. 7, 1925.

Ser. No. 221,516. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STODDARD MILL & GRAIN COMPANY, Advance, Mo. Filed Oct. 9, 1925.

SUPERLOAF

*Particular description of goods.*—Wheat Flour.
*Claims use* since October, 1923.

Ser. No. 221,525. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WOOD & HYDE COMPANY, Gloversville, N. Y. Filed Oct. 9, 1925.

VELDEER

*Particular description of goods.*—Leather.
*Claims use* since Sept. 3, 1925.

Ser. No. 221,535. (CLASS 37. PAPER AND STATIONERY.) THE BEVERIDGE PAPER COMPANY, Indianapolis, Ind. Filed Oct. 10, 1925.

*Particular description of goods.*—Cardboard, Calendar Board, Box Board, Postal Board, Railroad Board, and Bristol Board.
*Claims use* since Aug. 20, 1925.

Ser. No. 221,539. (CLASS 37. PAPER AND STATIONERY.) DIAMOND MILLS PAPER CO., New York, N. Y. Filed Oct. 10, 1925.

SILVERITE

*Particular description of goods.*—Tissue Paper.
*Claims use* since February, 1925.

Ser. No. 221,552. (CLASS 17. TOBACCO PRODUCTS.) INFANZON & RODRIGUEZ, New York, N. Y. Filed Oct. 10, 1925. Under ten-year proviso.

The representation of the medals are of those received at Buffalo, 1901; St. Louis, 1904; and Charleston, 1901–2.
*Particular description of goods.*—Cigars, Cigarettes, and Smoking Tobacco.
*Claims use* since January, 1895.

Ser. No. 221,557. (CLASS 38. PRINTS AND PUBLICATIONS.) LYMAN PUBLISHING CORPORATION, New York, N. Y. Filed Oct. 10, 1925.

COMMISSARY

*Particular description of goods.*—Monthly Printed Periodical or Trade Paper.
*Claims use* since Apr. 18, 1925.

Ser. No. 221,558. (CLASS 38. PRINTS AND PUBLICATIONS.) HENRY B. MCCURDY, Lawrence, Kans. Filed Oct. 10, 1925.

The Book Nook

The mark consists of the words "The Book Nook."
*Particular description of goods.*—Completely-Printed Books, Magazines, Pictures, and Prints, Including Etchings, Water Colors, Crayon Drawings, and Oil Prints.
*Claims use* since Sept. 15, 1925.



Ser. No. 221,578. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WETMORE REAMER COMPANY, Milwaukee Wis. Filed Oct. 10, 1925.

WETMORE

No claim is made to the surname "Wetmore" apart from the manner displayed and the mark as shown in the drawing.
*Particular description of goods.*—Reamers.
*Claims use* since Mar. 1, 1919.

Ser. No. 221,584. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 12, 1925.

AREMBEE

*Particular description of goods.*—Condensation Products of Phenols and Formaldehyde.
*Claims use* since Aug. 15, 1925.

Ser. No. 221,585. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 12, 1925.

RMB

*Particular description of goods.*—Condensation Products of Phenols and Formaldehyde.
*Claims use* since Aug. 15, 1925.

Ser. No. 221,588. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 12, 1925.

*Particular description of goods.*—Pocketbook and Hand-Bag Frames and Trimmings and Harness Trimmings.
*Claims use* since Dec. 1, 1924.

Ser. No. 221,609. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) HIMYAR COAL COMPANY, Lexington, Ky. Filed Oct. 12, 1925.

HIMYAR

*Particular description of goods.*—Coal.
*Claims use* since Sept. 16, 1919.

Ser. No. 221,690. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELSIE BERGEN, New York, N. Y. Filed Oct. 14, 1925.

AMBA

*Particular description of goods.*—Medicinal Salve Which When Applied to the Flesh Will Absorb Fatty and Watery Matter.
*Claims use* since Sept. 5, 1925.

Ser. No. 221,703. (CLASS 38. PRINTS AND PUBLICATIONS.) CHARLES E. HOWELL, New York, N. Y. Filed Oct. 14, 1925.

Peppie Pasters

Applicant disclaims use of the word "Plasters" apart from the mark shown in the drawing.
*Particular description of goods.*—Cartoons in Perforated Sheet Form.
*Claims use* since July, 1925.

Ser. No. 221,711. (CLASS 39. CLOTHING.) NOXALL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Oct. 14, 1925.

Noxall

*Particular description of goods.*—Dresses for Children and Misses.
*Claims use* since April, 1914.

Ser. No. 221,716. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE QUINEBAUG COMPANY, Danielson, Conn. Filed Oct. 14, 1925.

Rayu de Luna

The trade-mark drawing indicates shading.
*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since Aug. 20, 1925.

Ser. No. 221,754. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MASURY-YOUNG COMPANY, Charlestown, Mass. Filed Oct. 15, 1925.

MYCO

*Particular description of goods.*—Oil Soap, Liquid Soap, Soap Powder, Scouring Powder, and Metal Polish.
*Claims use* since about Jan. 1, 1918, on oil soap, liquid soap, scouring powder, and soap powder, and on metal polish since about Jan. 1, 1923.

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Ser. No. 221,782. (CLASS 15. OILS AND GREASES.) JOHN T. STANLEY CO., INC., New York, N. Y. Filed Oct. 15, 1925.

MOBO

Trade-mark consists in the word "Mobo."
*Particular description of goods.*—Penetrating Oils for Vehicle Springs and Chassis Grease.
*Claims use* since September, 1925.

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Ser. No. 221,786. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN T. STANLEY CO., INC., New York, N. Y. Filed Oct. 15, 1925.

MOBO

Trade-mark consists of the word "Mobo."
*Particular description of goods.*—Soap.
*Claims use* since Apr. 10, 1905.

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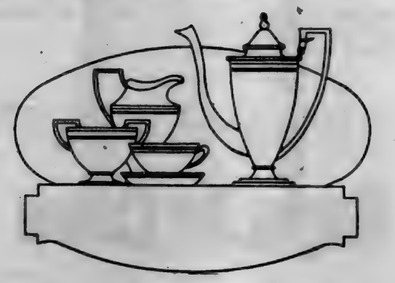
Ser. No. 221,795. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WOOLSON SPICE COMPANY, Toledo, Ohio. Filed Oct. 15, 1925.



*Particular description of goods.*—Coffee.
*Claims use* since Mar. 7, 1921.

Ser. No. 221,811. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Oct. 16, 1925.

MAXITRAN

*Particular description of goods.*—Untuned Radio-Frequency Transformers, Radio Receiving Sets, Radio Aerial Equipment, Loud Speakers and Units, Tuning Units, Plugs, Jacks, Dials, and Sockets.
*Claims use* since July 15, 1925.

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Ser. No. 221,836. (CLASS 17. TOBACCO PRODUCTS.) KINGDOM OF ITALY, Rome, Italy. Filed Oct. 16, 1925.

The lines of drawing are for shading only.
*Particular description of goods.*—Cigarettes, Smoking and Chewing Tobacco, and Snuff.
*Claims use* since Feb. 10, 1910.

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Ser. No. 221,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MATCHETT-MACKLEM COMPANY, Seattle, Wash. Filed Oct. 16, 1925.

OLD HOMESTEAD

*Particular description of goods.*—Canned Peaches, Canned Raspberries, Canned Peas, Canned Sauerkraut, Canned Salmon, Pickles, Mayonnaise Dressing, Orange Marmalade, Raspberry Jam, Strawberry Jelly, Honey, Coffee, and Dried Prunes.
*Claims use* since January, 1903.

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Ser. No. 221,846. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MUTUAL CREAMERY COMPANY, also doing business as The Mutual Stores, Oakland, Calif. Filed Oct. 16, 1925.

*Particular description of goods.*—Butter, Bread, Ice Cream, Eggs, and Canned Fruit.
*Claims use* since Mar. 4, 1919.



Ser. No. 221,859. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Oct. 16, 1925.

PYROCELL

*Particular description of goods.*—Building Insulation, Calcined Gypsum, Wall Plasters, Gypsum Tile, and Plaster Board.
*Claims use* since June 1, 1925.

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Ser. No. 221,868. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Filed Oct. 17, 1925.

ARCON

The trade-mark consists of the word "Arcon."
*Particular description of goods.*—Rail Bonds.
*Claims use* since Sept. 22, 1925.

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Ser. No. 221,879. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Oct. 17, 1925.

HOMESTEAD

*Particular description of goods.*—Radio Receiving Sets, Radio Battery Chargers, Aerial Equipment, Loud Speakers and Units, Head Sets, Radio A Batteries, Radio B Batteries, Radio Storage Batteries, Tuners, Cabinet Speakers, Cables, Dials, Jacks, Plugs, Condensers, Radio C Batteries, and Sockets.
*Claims use* since Aug. 15, 1925.

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Ser. No. 221,894. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEIT MILLER LAU CO., Fort Wayne, Ind. Filed Oct. 17, 1925.

Mary Wayne was the wife of Gen. Anthony Wayne and was a famous colonial character.
*Particular description of goods.*—Candy.
*Claims use* since Sept. 8, 1925.

Ser. No. 221,899. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) OTTO H. HINCK, New York, N. Y. Filed Oct. 17, 1925.

MONTANA

No claim is made to the name "Montana" apart from the mark shown in the drawing.
*Particular description of goods.*—Unbleached Cotton Sheetings, Bleached Fabrics, and Yarn-Dyed Fabrics Made Wholly of Cotton.
*Claims use* since January, 1919.

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Ser. No. 221,905. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MICHIGAN DRUG CO., Detroit, Mich. Filed Oct. 17, 1925. Under ten-year proviso.

Dr. J. W. KERMOTT'S

*Particular description of goods.*—Nerve and Kidney Pills, Liniment, and Compound Extract for Stomach and Bowel Diseases.
*Claims use* since about Jan. 1, 1883.

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Ser. No. 221,907. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MICHIGAN DRUG CO., Detroit, Mich. Filed Oct. 17, 1925. Under ten-year proviso.

JOHNSTON'S

*Particular description of goods.*—Compound of Sarsaparilla and Tonic Capsules for Rheumatism, Scrofula, Liver Complaint, and Skin Diseases.
*Claims use* since about Jan. 1, 1893.

Ser. No. 221,909. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MICHIGAN DRUG CO., Detroit, Mich. Filed Oct. 17, 1925. Under ten-year proviso.

DIAMOND TEA

*Particular description of goods.*—Herbs for Liver and Kidney Complaints.
*Claims use* since about Jan. 1, 1893.

Ser. No. 221,914. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL ELECTRIC SWEEPER COMPANY, Oakland, Calif. Filed Oct. 17, 1925.

Conqueror

*Particular description of goods.*—Electric Vacuum Cleaners.
*Claims use* since Sept. 8, 1925.

Ser. No. 221,916. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ONEIDA COMMUNITY LIMITED, Oneida, N. Y. Filed Oct. 17, 1925. Under ten-year proviso.

N. F. Nickel Silver

*Particular description of goods.*—Silver-Plated Tableware, Flatware, Hollow Ware, and Cutlery.
*Claims use* since Mar. 1, 1886.

Ser. No. 221,941. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) V. E. BLACK CO., Providence, R. I. Filed Oct. 19, 1925.

"Ladifair"

*Particular description of goods.*—Lingerie Clasps, Beauty Pins, Vanity Boxes, Lockets, Cuff Buttons, Cuff Links, Bracelets, Buckles, Key Rings, Chain Fasteners, Snap Fasteners, Spring Rings, Tie Clasps, Lapel Buttons, Brooches, All of Which Are Made of or Plated with Precious Metals; Chains for Personal Adornment, Bracelets, Charms, Fobs, Pendants, and Finger Rings.
*Claims use* since Apr. 15, 1925.

Ser. No. 221,951. (CLASS 15. OILS AND GREASES.) DEEPWATER OIL REFINERIES, INC., Houston, Tex. Filed Oct. 19, 1925.

Nu-Pro

*Particular description of goods.*—Lubricating Oils.
*Claims use* since Sept. 16, 1925.

Ser. No. 221,985. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THERMELY MANUFACTURING COMPANY, INC., Rensselaer, Ind. Filed Oct. 19, 1925.

Thermely

*Particular description of goods.*—Antifreezing Solutions.
*Claims use* since about Oct. 9, 1925.

Ser. No. 222,004. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BRECHT CANDY COMPANY, Denver, Colo. Filed Oct. 20, 1925.

Ring Tail
BAR

No claim is made to the exclusive use of the word "Bar" except in the connection shown in the drawing.
*Particular description of goods.*—Candy.
*Claims use* since about Oct. 13, 1925.

Ser. No. 222,005. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BRECHT CANDY COMPANY, Denver, Colo. Filed Oct. 20, 1925.

Ape Bar

No claim is made to the exclusive use of the word "Bar" except in the connection shown.
*Particular description of goods.*—Candy.
*Claims use* since about Oct. 13, 1925.

Ser. No. 222,007. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BRECHT CANDY COMPANY, Denver, Colo. Filed Oct. 20, 1925.

Evolution
BAR

No claim is made to the exclusive use of the word "Bar" except in the connection shown in the drawing.
*Particular description of goods.*—Candy.
*Claims use* since about Oct. 13, 1925.



Ser. No. 222,006. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BRECHT CANDY COMPANY, Denver, Colo. Filed Oct. 20, 1925.

Baboon Bar

No claim is made to the exclusive use of the word "Bar" except in the connection shown in the drawing.
*Particular description of goods.*—Candy.
*Claims use* since about Oct. 13, 1925.

Ser. No. 222,025. (CLASS 15. OILS AND GREASES.) GENERAL PETROLEUM CORPORATION, San Francisco, Calif. Filed Oct. 20, 1925.

GREEN SPOT

Trade-mark consists of the words "Green Spot" surmounting a circular spot.
*Particular description of goods.*—Lubricating Oils.
*Claims use* since Aug. 25, 1925.

Ser. No. 222,044. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PARKER, STEARNS & COMPANY, Brooklyn, N. Y. Filed Oct. 20, 1925.

Kiddy-Kumfit

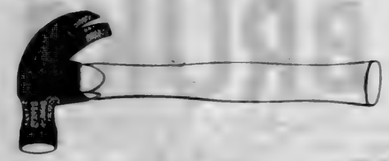
*Particular description of goods.*—Babies' Rubber Pants or Bloomers.
*Claims use* since Oct. 8, 1925.

Ser. No. 222,047. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE G. RANDALL, doing business as The Newater Company, Chicago, Ill. Filed Oct. 20, 1925.

FLAK-O-LYE

No claim is made to the word "Lye" apart from the mark as shown.
*Particular description of goods.*—Lye.
*Claims use* since Oct. 5, 1925.

Ser. No. 222,074. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KELLY AXE & TOOL COMPANY, Charleston, W. Va. Filed Oct. 21, 1925.



The trade-mark consists of a combined yellow and black coloring, the yellow being displayed in a circumferential band upon the neck of the hammer and upon the upper portions of the rear faces and the inner faces of the claw of the hammer, and the black being displayed in a circumferential band below the neck of the hammer, upon the remainder of the rear and inner faces of the claw of the hammer, upon the opposite faces of the body and eye of the hammer, and upon the upper and lower faces of the eye of the hammer, the cross-hatching in continuous lines expressing the color yellow.
*Particular description of goods.*—Hammers.
*Claims use* since Aug. 8, 1925.

Ser. No. 222,128. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KOKEN COMPANIES, St. Louis, Mo. Filed Oct. 22, 1925.

NAP-HOLD

*Particular description of goods.*—Razor Strops.
*Claims use* since Aug. 14, 1925.

Ser. No. 222,138. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE BEAVER SOAP COMPANY, Dayton, Ohio. Filed Oct. 23, 1925.

JUNIOR LEAGUE

*Particular description of goods.*—Toilet Soap.
*Claims use* since on or about July 25, 1925.

Ser. No. 222,217. (CLASS 39. CLOTHING.) BONWIT TELLER & CO., New York, N. Y. Filed Oct. 24, 1925.

WILMA

*Particular description of goods.*—Hosiery.
*Claims use* since Oct. 15, 1925.

Ser. No. 222,218. (CLASS 39. CLOTHING.). BONWIT TELLER & CO., New York, N. Y. Filed Oct. 24, 1925.

SONYA

*Particular description of goods.*—Hosiery.
*Claims use* since Oct. 15, 1925.

Ser. No. 222,219. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BRUCE PRODUCTS CORPORATION, Detroit, Mich. Filed Oct. 24, 1925.

BRUKO

*Particular description of goods.*—Metal-Cleaning Compounds, Buffs, Polishing Wheels, and Emery Wheels.
*Claims use* since September, 1920.

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Ser. No. 222,224. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DE LUXE CAKE DECORATOR COMPANY, Minneapolis, Minn. Filed Oct. 24, 1925.

DeLuxe Dainties

*Particular description of goods.*—Coloring Tablets for Food-Decorating Pastes.
*Claims use* since on or about Feb. 1, 1925.

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Ser. No. 222,267. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MANROSS CORPORATION, New York, N. Y. Filed Oct. 24, 1925.

MARVEL

*Particular description of goods.*—Liquid Dye.
*Claims use* since January, 1925.

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Ser. No. 222,281. (CLASS 15. OILS AND GREASES.) ROGERS GASOLINE COMPANY, Uniontown, Pa. Filed Oct. 24, 1925.

MERITOL

*Particular description of goods.*—Gasoline, Kerosene, Lubricating Oils, and Lubricating Greases.
*Claims use* since Apr. 1, 1925.

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Ser. No. 222,298. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AURVAL CANDY COMPANY, Minneapolis, Minn. Filed Oct. 26, 1925.

SWISS KISS

*Particular description of goods.*—Candy Bars.
*Claims use* since Oct. 15, 1925.

Ser. No. 222,328. (CLASS 39. CLOTHING.) HOLEPROOF HOSIERY COMPANY, Milwaukee, Wis. Filed Oct. 26, 1925.

*Particular description of goods.*—Hosiery.
*Claims use* since Oct. 14, 1925.

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Ser. No. 222,351. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SYDNEY ROSS CO., Newark, N. J. Filed Oct. 26, 1925.

VIDA

*Particular description of goods.*—Preparations for the Treatment of Intestinal and Liver Diseases.
*Claims use* since 1890.

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Ser. No. 222,352. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SYDNEY ROSS CO., Newark, N. J. Filed Oct. 26, 1925. Under ten-year proviso.

PILDORAS DE VIDA
DEL DR. ROSS

*Particular description of goods.*—Preparations for the Treatment of Intestinal and Liver Diseases.
*Claims use* since 1890.

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Ser. No. 222,355. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. W. CHEMICAL CO., Detroit, Mich. Filed Oct. 26, 1925.

CHEMICAL CO.

Exclusive use of the descriptive wording ("Chemical Co.") is disclaimed.
*Particular description of goods.*—Preparation for the Treatment of Goiter.
*Claims use* since Oct. 10, 1925.



Ser. No. 222,358. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) WESTERN CRUCIBLE STEEL CASTING CO., Minneapolis, Minn. Filed Oct. 26, 1925.

WESTEECO

*Particular description of goods.*—Metal Castings.
*Claims use* since Dec. 3, 1924.

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Ser. No. 222,381. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUSE OF THE-JUR, INC., New York, N. Y. Filed Oct. 27, 1925.

Suivez Moi

*Particular description of goods.*—Perfume.
*Claims use* since Sept. 30, 1925.

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Ser. No. 222,437. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE BRITISH DRUG HOUSES, LIMITED, London, England. Filed Oct. 28, 1925.

CAPILLATOR

*Particular description of goods.*—Apparatus for Making Chemical Comparisons or Tests.
*Claims use* since Jan. 1, 1925.

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Ser. No. 222,461. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) H. D. JUSTI & SON, Philadelphia, Pa. Filed Oct. 28, 1925.

PINORO

*Particular description of goods.*—Vulcanite Teeth.
*Claims use* since Oct. 6, 1925.

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Ser. No. 222,462. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) H. D. JUSTI & SON, Philadelphia, Pa. Filed Oct. 28, 1925.

EKLOFORM

*Particular description of goods.*—Crown and Vulcanite Teeth.
*Claims use* since about Oct. 5, 1925.

Ser. No. 222,477. (CLASS 39. CLOTHING.) THE PALMER CLOTHING MANUFACTURING COMPANY, Chattanooga, Tenn. Filed Oct. 28, 1925.

Palmer

No claim to the word "Palmer" apart from the mark shown in the drawing.
*Particular description of goods.*—Men's and Young Men's Suits.
*Claims use* since about Aug. 1, 1925.

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Ser. No. 222,506. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GRENDEL MILLS, Greenwood, S. C. Filed Oct. 29, 1925.

Trade-mark consists in the representation of a squirrel in connection with a cut-off limb, the squirrel being shown with a nut in its mouth.
*Particular description of goods.*—Sheetings and Drillings.
*Claims use* since Dec. 15, 1901.

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Ser. No. 222,533. (CLASS 39. CLOTHING.) L. WOHL & CO., New York, N. Y. Filed Oct. 29, 1925.

Wohline
FAST COLOR

No claim is made to the exclusive use of the words "Fast Color" except as shown in the drawing. The mark consists in the words "Wohline Fast Color."
*Particular description of goods.*—Children's Dresses, Boys' Suits, and Creepers.
*Claims use* since Oct. 15, 1925.

Ser. No. 222,535. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio. Filed Oct. 29, 1925.

*Particular description of goods.*—Steel Plates and Sheets.
*Claims use* since February, 1919, on plates and June, 1925, on sheets.

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Ser. No. 222,537. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio. Filed Oct. 29, 1925.

Y

*Particular description of goods.*—Steel Sheets, Plates, and Bars.
*Claims use* since 1906 on sheets; since May, 1920, on plates; since January, 1921, on bars.

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Ser. No. 222,541. (CLASS 2. RECEPTACLES.) ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass. Filed Oct. 30, 1925.

ADVANCE

*Particular description of goods.*—Paper Bags.
*Claims use* since 1904.

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Ser. No. 222,542. (CLASS 2. RECEPTACLES.) ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass. Filed Oct. 30, 1925.

MOLESKIN

*Particular description of goods.*—Paper Bags.
*Claims use* since Jan. 25, 1924.

Ser. No. 222,543. (CLASS 2. RECEPTACLES.) ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass. Filed Oct. 30, 1925.

*Particular description of goods.*—Paper Bags.
*Claims use* since 1915.

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Ser. No. 222,544. (CLASS 2. RECEPTACLES.) ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass. Filed Oct. 30, 1925.

SULTAN

*Particular description of goods.*—Paper Bags.
*Claims use* since 1904.

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Ser. No. 222,545. (CLASS 2. RECEPTACLES.) ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass. Filed Oct. 30, 1925.

*Particular description of goods.*—Paper Bags.
*Claims use* since 1904.

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Ser. No. 222,550. (CLASS 2. RECEPTACLES.) ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass. Filed Oct. 30, 1925.

GUNTA

*Particular description of goods.*—Paper Bags.
*Claims use* since 1915.



Ser. No. 222,551. (CLASS 2. RECEPTACLES.) ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass. Filed Oct. 30, 1925.

REDSKIN

*Particular description of goods.*—Paper Bags.
*Claims use* since May 25, 1925.

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Ser. No. 222,552. (CLASS 2. RECEPTACLES.) ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass. Filed Oct. 30, 1925.

RACER

*Particular description of goods.*—Paper Bags.
*Claims use* since 1905.

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Ser. No. 222,553. (CLASS 2. RECEPTACLES.) ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass. Filed Oct. 30, 1925.

MOHICAN

*Particular description of goods.*—Paper Bags.
*Claims use* since Sept. 10, 1925.

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Ser. No. 222,569. (CLASS 39. CLOTHING.) JULIUS KAYSER & CO., New York, N. Y. Filed Oct. 30, 1925.

MARVELRAY

*Particular description of goods.*—Underwear for Men, Women, and Children, Made of Silk, Artificial Silk, Cotton, or a combination Thereof.
*Claims use* since May 1, 1925.

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Ser. No. 222,572. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARK & TILFORD, New York, N. Y. Filed Oct. 30, 1925.

CORELLO

*Particular description of goods.*—Chocolate and Candy.
*Claims use* since Mar. 19, 1925.

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Ser. No. 222,577. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. PRIESTLEY & CO. INC., New York, N. Y. Filed Oct. 30, 1925.

FRIGID

*Particular description of goods.*—Cloths and Piece Goods of Woolen, Worsted, Mohair, Silk and Cotton, and also Piece Goods of a Combination of Two or More of These Fibres.
*Claims use* since Aug. 1, 1925.



Ser. No. 222,579. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE E. REMICK, doing business as Luxhaven Club Laboratory, Denver, Colo. Filed Oct. 30, 1925.

LUXHAVEN 700

*Particular description of goods.*—Constipation Treatment.
*Claims use* since Oct. 21, 1925.

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Ser. No. 222,583. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. J. SHRECENGOST COMPANY, Roswell, N. Mex. Filed Oct. 30, 1925.

BLUE CROSS

*Particular description of goods.*—Fresh Apples.
*Claims use* since Aug. 1, 1923.

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Ser. No. 222,596. (CLASS 39. CLOTHING.) BROWN, THOMSON & COMPANY, Hartford, Conn. Filed Oct. 31, 1925.

*Particular description of goods.*—Hosiery.
*Claims use* since May 1, 1925.

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Ser. No. 222,628. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS H. ODENEAL, Beverly, Mass. Filed Oct. 31, 1925.

COUGHPOP

*Particular description of goods.*—Cough Medicine.
*Claims use* since Aug. 31, 1925.

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Ser. No. 222,634. (CLASS 2. RECEPTACLES.) THE ROSETH CORPORATION, Brooklyn, N. Y. Filed Oct. 31, 1925.

EXPHALENE

*Particular description of goods.*—Paper Garment Bags.
*Claims use* since Nov. 1, 1923.

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Ser. No. 222,635. (CLASS 2. RECEPTACLES.) THE ROSETH CORPORATION, Brooklyn, N. Y. Filed Oct. 31, 1925.

SAFE-STOR

*Particular description of goods.*—Paper Garment Bags.
*Claims use* since Nov. 1, 1923.

Ser. No. 222,636. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. G. SCHLOTTER & Co., Indianapolis, Ind. Filed Oct. 31, 1925.

Monogram

*Particular description of goods.*—Fresh Apples and Peaches.
*Claims use* since July 20, 1925.

Ser. No. 222,649. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE H. WEYBU, St. Joseph, Mo. Filed Oct. 31, 1925.

Sur-Lay

*Particular description of goods.*—Hair Tonic.
*Claims use* since June 2, 1925.

Ser. No. 222,652. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACETYLENE PRODUCTS COMPANY, OF EL PASO, TEXAS, El Paso, Tex. Filed Nov. 2, 1925.

Head-Lite

*Particular description of goods.*—Acetylene, Oxygen, Carbide, and Welding Flux.
*Claims use* since July 1, 1919.

Ser. No. 222,658. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & Co. INC., New York, N. Y. Filed Nov. 2, 1925.

Lussio

*Particular description of goods.*—Pile Fabrics in the Piece.
*Claims use* since Oct. 8, 1925.

Ser. No. 222,660. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT WILLIAM BRAKE, St. Louis, Mo. Filed Nov. 2, 1925.

KILQUIK

*Particular description of goods.*—Embrocation or Liniment.
*Claims use* since May 1, 1920.

Ser. No. 222,672. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed Nov. 2, 1925.

SEE-MING-LEE

*Particular description of goods.*—Piece Goods Made of Silk.
*Claims use* since Sept. 21, 1925.

Ser. No. 222,674. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADELARD E. GOSSELIN, doing business as The Celery Cracker Medicine Company, Manchester, N. H. Filed Nov. 2, 1925. Under ten-year proviso.

FAMES CELERY CRACKERS

*Particular description of goods.*—Preparation for the Relief of Headache, Put up in Wafer Form.
*Claims use* since May 6, 1894.

Ser. No. 222,729. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAC S. COHEN CO., INC., New Orleans, LA. Filed Nov. 3, 1925.

Weev-L-Woe

*Particular description of goods.*—Boll-Weevil Exterminators.
*Claims use* since July 25, 1925.

Ser. No. 222,754. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. H. MOUSER & Co., Orlando, Fla. Filed Nov. 3, 1925.

TRIUMPH

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Grapefruit, and Tangerines.
*Claims use* since Oct. 14, 1925.



Ser. No. 222,765. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PEDRO SANTIAGO, doing business as Buffalo Pharmaceutical Products Co., Buffalo N. Y. Filed Nov. 3, 1925.

Karnmalta

*Particular description of goods.*—Tonic Containing Malt, Cod-Liver Oil, and Beef Extract.
*Claims use* since about Oct. 25, 1925.

Ser. No. 222,774. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AMERICAN DISINFECTING COMPANY, Sedalia, Mo. Filed Nov. 4, 1925.

Adco

*Particular description of goods.*—Dry-Cleaning Detergents.
*Claims use* since June 1, 1925.

Ser. No. 222,794. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHARMACEUTICAL RESEARCH CORPORATION, St. Louis, Mo. Filed Nov. 4, 1925.

BCR

*Particular description of goods.*—Cold Remedy for Babies.
*Claims use* since about Oct. 19, 1925.

Ser. No. 222,811. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I. Filed Nov. 5, 1925.

RAYNEL

*Particular description of goods.*—Woolen Dress Goods in the Piece.
*Claims use* since Aug. 1, 1925.

Ser. No. 222,816. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. BOURJOIS & CO. INC., New York, N. Y. Filed Nov. 5, 1925.

Rita

*Particular description of goods.*—Face Powder.
*Claims use* since Aug. 26, 1919.

Ser. No. 222,818. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. BOURJOIS & CO. INC., New York, N. Y. Filed Nov. 5, 1925.

LYDIA

*Particular description of goods.*—Face Powder.
*Claims use* since Feb. 16, 1920.

Ser. No. 222,834. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FLAMITE CORPORATION, West Chester, PA. Filed Nov. 5, 1925.

FIRE DUST

*Particular description of goods.*—Fire-Extinguishing Preparation.
*Claims use* since on or about March, 1925.

Ser. No. 222,836. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) FRANK H. FROMM, doing business as F. H. Fromm & Co., Philadelphia, Pa. Filed Nov. 5, 1925.

**BLUE FEATHER**

*Particular description of goods.*—Matches.
*Claims use* since Oct. 1, 1925.

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Ser. No. 222,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HENRY MUHS COMPANY, Passaic, N. J. Filed Nov. 5, 1925.

*Particular description of goods.*—Ham and Bacon.
*Claims use* since Jan. 1, 1909.

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Ser. No. 222,843. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HENRY MUHS COMPANY, Passaic, N. J. Filed Nov. 5, 1925.

**LOTUS**

*Particular description of goods.*—Ham, Bacon, and Sausage.
*Claims use* since Jan. 1, 1913.

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Ser. No. 222,859. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAYANLAKE CANDY CO., Chicago, Ill. Filed Nov. 5, 1925.

**MISS CHICAGO**

*Particular description of goods.*—Candy.
*Claims use* since Oct. 1, 1925.

Ser. No. 222,867. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD W. PAINE, doing business as The Regenerator Company, Westerly, R. I. Filed Nov. 5, 1925.

*Particular description of goods.*—Treatment for Sexual Disfunction.
*Claims use* since Oct. 1, 1925.

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Ser. No. 222,870. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PALMOLIVE COMPANY, Chicago, Ill. Filed Nov. 5, 1925.

**PALMOLIVE**

*Particular description of goods.*—Soap.
*Claims use* since June, 1899.

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Ser. No. 222,887. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. L. STIFEL & SONS, Wheeling, W. Va. Filed Nov. 5, 1925.

**GREYTEX**

Trade-mark consists of the word "Greytex."
*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since Oct. 15, 1925.

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Ser. No. 222,898. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) WESTERN CARTRIDGE COMPANY, East Alton, Ill. Filed Nov. 5, 1925.

*Particular description of goods.*—Shot Shells.
*Claims use* since about January, 1905.



Ser. No. 222,908. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACHILLE BRIOSCHI & CO. INC., New York, N. Y. Filed Nov. 6, 1925.

*Particular description of goods.*—Effervescent Beverage Salts.
*Claims use* since about 1880.

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Ser. No. 222,909. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACHILLE BRIOSCHI & CO. INC., New York, N. Y. Filed Nov. 6, 1925. Under ten-year proviso.

**BRIOSCHI**

*Particular description of goods.*—Effervescent Bever age Salts.
*Claims use* since about 1880.

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Ser. No. 222,914. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CELMA COMPANY, Toledo, Ohio. Filed Nov. 6 1925.

Odo-pact

*Particular description of goods.*—Sanitary Deodor ant Preparation.
*Claims use* since Oct. 4, 1925.

Ser. No. 222,927. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SYLVESTER W. LEIDICH, doing business as Llewellyn, Philadelphia, Pa. Filed Nov. 6, 1925.

**OSMOSOL**

*Particular description of goods.*—Antiseptic and Alkaline Antiseptic Solutions, Adapted to Treatment by Washing to the Skin and Mucous Membranes of the Human Body.
*Claims use* since on or about May 15, 1925.

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Ser. No. 222,935. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) G. W. J. MURPHY COMPANY, Amesbury, Mass. Filed Nov. 6, 1925.

SMOAKRITE

Trade-mark consists in the arbitrarily-coined word "Smoakrite".
*Particular description of goods.*—Pipe Buttons—That is, Shaped and Perforated Disks to be Placed in the Bottom of the Bowl of a Smoking Pipe.
*Claims use* since Aug. 12, 1925.

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Ser. No. 222,983. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEILKRAFT MEDICAL COMPANY, Boston, Mass. Filed Nov. 7, 1925.

ACROFORM

*Particular description of goods.*—Astringents and Antiseptics.
*Claims use* since Oct. 2, 1925.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

DECEMBER 15, 1925.

206,880. TEA WAGONS. THE SERVETTE CO., Shortsville, N. Y., assignor to Herkimer Specialties Corporation, Cold Brook, N. Y., a Corporation of New York.
Filed October 12, 1921. Serial No. 154,112. PUBLISHED SEPTEMBER 1, 1925.

206,881. ELECTRIC WAFFLE IRONS, ELECTRIC PANCAKE IRONS, AND ELECTRIC WAFFLE AND PANCAKE IRONS. MAJESTIC ELECTRIC DEVELOPMENT CO., San Francisco, Calif., assignor to Majestic Electric Appliance Co., Inc., San Francisco, Calif., a Corporation of California.
Filed July 26, 1922. Serial No. 167,408. PUBLISHED SEPTEMBER 15, 1925.

206,882. WHEAT FLOUR. HEBRON ROLLER MILLS, Hebron, N. Dak.
Filed September 14, 1923. Serial No. 185,784. PUBLISHED MARCH 17, 1925.

206,883. LUBRICATING OILS. THE ILLINOIS GRAPHITE COMPANY, Chicago, Ill.
Filed February 25, 1924. Serial No. 192,769. PUBLISHED AUGUST 18, 1925.

206,884. PREPARED COCONUT. FRANKLIN BAKER COMPANY, Hoboken, N. J.
Filed May 28, 1924. Serial No. 197,754. PUBLISHED SEPTEMBER 22, 1925.

206,885. LUBRICATING OIL. FLORENT JOHN MARCUCCI, doing business as G. Frassanito & Co., New York, N. Y.
Filed June 6, 1924. Serial No. 198,193. PUBLISHED SEPTEMBER 15, 1925.

206,886. ELECTRIC PLUGS AND PLUG RECEPTACLES. CROUSE-HINDS COMPANY, Syracuse, N. Y.
Filed June 12, 1924. Serial No. 198,455. PUBLISHED SEPTEMBER 22, 1925.

206,887. STOCK FOOD FOR CATTLE, HORSES, SHEEP, AND HOGS. LAMBERT LICTONIC COMPANY, St. Louis, Mo.
Filed July 21, 1924. Serial No. 200,323. PUBLISHED SEPTEMBER 29, 1925.

206,888. FUEL OILS. POLLARD OIL COMPANY, INC., Sioux City, Iowa.
Filed July 29, 1924. Serial No. 200,689. PUBLISHED NOVEMBER 18, 1924.

206,889. FUEL OILS. POLLARD OIL COMPANY, INC., Sioux City, Iowa.
Filed July 29, 1924. Serial No. 200,690. PUBLISHED SEPTEMBER 9, 1924.

206,890. CANDY—NAMELY, TOFFEE. SLADE & BULLOCK LIMITED, Dewsbury, England.
Filed August 16, 1924. Serial No. 201,515. PUBLISHED SEPTEMBER 22, 1925.

206,891. CHOCOLATE CANDY. BISHOP & COMPANY, Los Angeles, Calif.
Filed October 29, 1924. Serial No. 204,536. PUBLISHED DECEMBER 16, 1924.

206,892. CANDY. HOWARD W. BROWNE, Los Angeles, Calif.
Filed November 3, 1924. Serial No. 204,747. PUBLISHED SEPTEMBER 1, 1925.

206,893. CHEESE. ANTONIO AURICCHIO & ERNICO AURICCHIO, San Giuseppe Vesuviano, Italy, and New York, N. Y.
Filed November 29, 1924. Serial No. 205,980. PUBLISHED SEPTEMBER 29, 1925.

206,894. EDIBLE OILS FOR SALAD AND COOKING PURPOSES—NAMELY, CORN OIL. BRAGNO AND MUSTARI, Chicago, Ill.
Filed December 1, 1924. Serial No. 206,055. PUBLISHED SEPTEMBER 22, 1925.

206,895. ELECTRIC-LIGHTING EQUIPMENT—NAMELY, FLOOD LIGHTS AND SPOTLIGHTS FOR MERCHANDISE DISPLAY. SUN-RAY LIGHTING PRODUCTS, INC., New York, N. Y.
Filed December 12, 1924. Serial No. 206,646. PUBLISHED SEPTEMBER 22, 1925.

206,896. HOSE FOR USE WITH WELDING AND CUTTING EQUIPMENT. PUROX COMPANY, Denver, Colo.
Filed December 23, 1924. Serial No. 207,147. PUBLISHED SEPTEMBER 29, 1925.

206,897. WHEAT FLOUR. STAR MILLING COMPANY, Statesville, N. C.
Filed January 5, 1925. Serial No. 207,692. PUBLISHED APRIL 21, 1925.

206,898. GASOLINE, ILLUMINATING OILS, LUBRICATING OILS AND GREASES, AND LIQUID MOTOR FUELS. AMERICAN OIL COMPANY, Baltimore, Md.
Filed January 13, 1925. Serial No. 208,032. PUBLISHED SEPTEMBER 22, 1925.

206,899. AUDIO-FREQUENCY TRANSFORMERS AND RADIO RECEIVING SETS. KELLOGG SWITCHBOARD & SUPPLY CO., Chicago, Ill.
Filed January 23, 1925. Serial No. 208,524. PUBLISHED SEPTEMBER 22, 1925.

206,900. COLD-WATER PAINT. THE J. E. HARRIS COMPANY, Wooster, Ohio.
Filed May 7, 1925. Serial No. 213,971. PUBLISHED SEPTEMBER 22, 1925.

206,901. AUTO POLISH, FURNITURE POLISH, ALUMINUM BRONZE, RIM PAINT, BLACK ENAMEL, ORANGE SHELLAC, TIRE PAINT, AND ENGINE ENAMEL. THE LIVINGSTON CO., New Haven, Conn.
Filed May 8, 1925. Serial No. 214,025. PUBLISHED SEPTEMBER 22, 1925.

206,902. HAIR CURLERS. DAISY D. NIELSEN, doing business as Daisy Curler Mfg. Co., Los Angeles, Calif.
Filed May 8, 1925. Serial No. 214,028. PUBLISHED SEPTEMBER 22, 1925.

206,903. ROOFING AND OTHER BUILDING MATERIAL FROM ARTIFICIAL STONE. STE. AME. ÉTERNIT, Haren, near Brussels, Belgium.
Filed May 18, 1925. Serial No. 214,508. PUBLISHED SEPTEMBER 22, 1925.

206,904. RADIO RECEIVING SETS. THE NU-TONE RADIO COMPANY, INC., Salt Lake City, Utah.
Filed May 19, 1925. Serial No. 214,560. PUBLISHED SEPTEMBER 8, 1925.

206,905. VARIABLE RESISTANCES. THE CONNECTICUT TELEPHONE & ELECTRIC COMPANY, INCORPORATED, Meriden, Conn.
Filed May 21, 1925. Serial No. 214,647. PUBLISHED SEPTEMBER 15, 1925.

206,906. CLOTHES OR LAUNDRY WASHING MACHINES. J. N. ADAM & CO., Buffalo, N. Y.
Filed June 10, 1925. Serial No. 215,545. PUBLISHED SEPTEMBER 22, 1925.





206,907. ELECTRICAL CONDUIT AND PIPE CONNECTERS. GROUNDULET COMPANY, Newark, N. J.
Filed June 13, 1925. Serial No. 215,743. PUBLISHED SEPTEMBER 8, 1925.

206,908. PAINTS (READY-MIXED AND PASTE), FINISHES, PAINT ENAMELS, VARNISHES, STAINS, LACQUERS, PRIMERS, AND FILLERS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed June 22, 1925. Serial No. 216,280. PUBLISHED AUGUST 11, 1925.

206,909. RADIO ELECTRON OR VACUUM TUBES. ZIMRI WEST 3rd, doing business as West Distributing Co., Newark, N. J.
Filed June 23, 1925. Serial No. 216,311. PUBLISHED SEPTEMBER 15, 1925.

206,910. LIGHTING FIXTURES, PARTICULARLY LIGHTING FIXTURES EMBODYING AN AUXILIARY TAP SOCKET OR SOCKETS. BILTMORE LIGHTING FIXTURE CO., INC., Brooklyn, N. Y.
Filed June 24, 1925. Serial No. 216,317. PUBLISHED SEPTEMBER 15, 1925.

206,911. ARTIFICIAL BOUQUETS. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y.
Filed June 24, 1925. Serial No. 216,336. PUBLISHED SEPTEMBER 15, 1925.

206,912. INCANDESCENT LAMPS AND BATTERIES. CHARLES R. ABLETT, doing business as Charles R. Ablett Company, New York, N. Y.
Filed June 25, 1925. Serial No. 216,374. PUBLISHED SEPTEMBER 15, 1925.

206,913. CLOCKS AND WATCHES. AMERICAN WHOLESALE CORPORATION (Baltimore Bargain House), Baltimore, Md.
Filed June 25, 1925. Serial No. 216,376. PUBLISHED SEPTEMBER 8, 1925.

206,914. PASTE PAINTS AND VARNISHES. THE PAYSON VARNISH COMPANY, New York, N. Y.
Filed June 27, 1925. Serial No. 216,559. PUBLISHED SEPTEMBER 15, 1925.

206,915. READY-MIXED PAINTS AND VARNISHES. THE PAYSON VARNISH COMPANY, New York, N. Y.
Filed June 29, 1925. Serial No. 216,635. PUBLISHED SEPTEMBER 15, 1925.

206,916. COAL. LOGAN COUNTY COAL CORPORATION, Cincinnati, Ohio.
Filed June 30, 1925. Serial No. 216,683. PUBLISHED SEPTEMBER 15, 1925.

206,917. DRESS AND COAT SHIELDS. STANLEY JOHNSTON, Wilkinsburg, Pa.
Filed July 2, 1925. Serial No. 216,784. PUBLISHED SEPTEMBER 22, 1925.

206,918. TELEPHONE JACKS PRIMARILY FOR RADIO APPARATUS. BROOKLYN METAL STAMPING CORP., Brooklyn, N. Y.
Filed July 6, 1925. Serial No. 216,872. PUBLISHED SEPTEMBER 15, 1925.

206,919. CARBON PAPER AND TYPEWRITER RIBBON. PHILLIPS RIBBON & CARBON CO., INC., Rochester, N. Y.
Filed July 6, 1925. Serial No. 216,930. PUBLISHED SEPTEMBER 15, 1925.

206,920. CARBON PAPER AND TYPEWRITER RIBBON. PHILLIPS RIBBON & CARBON CO., INC., Rochester, N. Y.
Filed July 6, 1925. Serial No. 216,931. PUBLISHED SEPTEMBER 15, 1925.

206,921. ELECTRIC-LIGHTING FIXTURES. THE SYMBOLITE COMPANY, Stamford, Conn.
Filed July 6, 1925. Serial No. 216,949. PUBLISHED SEPTEMBER 15, 1925.

206,922. STORAGE BATTERIES AND PLATES. CARLILE & DOUGHTY, INC., Philadelphia, Pa.
Filed July 7, 1925. Serial No. 216,965. PUBLISHED SEPTEMBER 15, 1925.

206,923. ELECTRIC BATTERIES. HYTONE BATTERY MFG. CO., INC., New York, N. Y.
Filed July 7, 1925. Serial No. 216,979. PUBLISHED SEPTEMBER 15, 1925.

206,924. WAX-FINISHED VEGETABLE-IVORY BUTTONS. LONDON BUTTON CO. INC., New York, N. Y.
Filed July 11, 1925. Serial No. 217,226. PUBLISHED SEPTEMBER 22, 1925.

206,925. AUTOMATIC CIRCUIT BREAKERS AND AUTOMATIC CIRCUIT BREAKERS COMPRISING A PLURALITY OF POLES DISPOSED SUBSTANTIALLY IN VERTICAL ALIGNMENT. THE CUTTER ELECTRICAL AND MANUFACTURING COMPANY, Philadelphia, Pa.
Filed July 13, 1925. Serial No. 217,262. PUBLISHED SEPTEMBER 8, 1925.

206,926. RADIO VACUUM TUBES. JAMES W. DUFF, doing business as Gold Seal Products Co., New York, N. Y.
Filed July 23, 1925. Serial No. 217,763. PUBLISHED SEPTEMBER 15, 1925.

206,927. RADIO VACUUM TUBES. JAMES W. DUFF, doing business as Gold Seal Products Co., New York, N. Y.
Filed July 23, 1925. Serial No. 217,764. PUBLISHED SEPTEMBER 15, 1925.

206,928. ELECTRIC VACUUM TUBES FOR RADIO PURPOSES. JOSEPH KNAPP, doing business as Summit Radio Company, Toledo, Ohio.
Filed August 1, 1925. Serial No. 218,258. PUBLISHED SEPTEMBER 22, 1925.

206,929. DIALS FOR RADIO APPARATUS. BROOKLYN METAL STAMPING CORP., Brooklyn, N. Y.
Filed August 3, 1925. Serial No. 218,286. PUBLISHED SEPTEMBER 22, 1925.

206,930. HAIR GOODS—NAMELY, SWITCHES OR BOB COVERS. PARISTYLE NOVELTY CO. INC., New York, N. Y.
Filed January 2, 1925. Serial No. 207,591. PUBLISHED AUGUST 25, 1925.

206,931. WAISTBANDS FOR BOYS' CLOTHING. PERFECT WAISTBAND COMPANY, INC., New York, N. Y.
Filed December 15, 1924. Serial No. 206,747. PUBLISHED AUGUST 25, 1925.

206,932. A FEED MIXTURE, BEING A STIMULATOR AND BALANCER FOR ANIMALS AND POULTRY, CONSISTING OF TANKAGE INFUSED WITH SUBSTANCE SUCH AS BONE MEAL, SPENT BONE BLACK, PHOSPHATE, CALCIUM, LIME, SODIUM CHLORIDE, SODA, POTASH, IODIDE OF POTASSIUM, PROTEIN, FATS, FIBERS, ASH, WOOD ASH, POTASSIUM ALUMINUM, MAGNESIUM, COPPERAS, EPSOM SALTS, GLAUBER SALTS, SULPHUR, IRON, AND CARBOHYDRATES. FRED W. SIMPSON, Chicago, Ill.
Filed December 13, 1924. Serial No. 206,697. PUBLISHED MARCH 10, 1925.

206,933. GOLF CLUBS. A. J. REACH COMPANY, Philadelphia, Pa.
Filed November 17, 1924. Serial No. 205,442. PUBLISHED MARCH 24, 1925.

206,934. PHONOGRAPHS. THE BROADCASTER CORPORATION, Chicago, Ill.
Filed November 1, 1924. Serial No. 204,696. PUBLISHED JUNE 23, 1925.

206,935. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND TABLE WATERS LITHIATED AND CARBONATED. THE STANDARD BOTTLING COMPANY, Denver, Colo.
Filed October 29, 1924. Serial No. 204,572. PUBLISHED FEBRUARY 17, 1925.

206,936. ELECTRIC TOASTERS. EDISON ELECTRIC APPLIANCE COMPANY, Chicago, Ill.
Filed October 29, 1924. Serial No. 204,546. PUBLISHED SEPTEMBER 15, 1925.

206,937. WHEAT FLOUR. HUGH P. HOYT, doing business as Atlas Milling Co., Clinton, Mich.
Filed October 17, 1924. Serial No. 204,032. PUBLISHED APRIL 14, 1925.

206,938. PRINTING AND LITHOGRAPHIC INKS. CHARLES ENDU JOHNSON AND COMPANY, Philadelphia, Pa.
Filed October 10, 1924. Serial No. 203,681. PUBLISHED SEPTEMBER 15, 1925.

206,939. CHEMICAL SUBSTANCES USED IN MANUFACTURES—NAMELY, ANTIFOULING COMPOSITIONS IN THE FORM OF PAINTS. EVERCLEAN ANTIFOULINGS LIMITED, Liverpool, England.
Filed September 22, 1924. Serial No. 202,862. PUBLISHED SEPTEMBER 15, 1925.

206,940. MALTLESS, NONCEREAL BEVERAGE CONTAINING LESS THAN ONE-HALF OF ONE PER CENT ALCOHOL BY VOLUME SOLD AS SOFT DRINK AND SIRUP FOR MAKING THE SAME. NORTHWESTERN EXTRACT CO., Milwaukee, Wis.
Filed September 15, 1924. Serial No. 202,634. PUBLISHED MARCH 3, 1925.

206,941. AUTOMOBILE AND FURNITURE POLISH. CLARENCE GRING, doing business as Bryl-yun-tino Polish Co., Pottstown, Pa.
Filed September 5, 1924. Serial No. 202,249. PUBLISHED SEPTEMBER 22, 1925.

206,942. MILLINERY SUPPLIES—VIZ, PEPS AND ARTIFICIAL FLOWERS; PINS, HAIRPINS, AND NARROW WEBBING, AND BRAIDS, AND HAIR GOODS. NATIONAL DEPARTMENT STORES INC., New York, N. Y.
Filed July 25, 1924. Serial No. 200,513. PUBLISHED SEPTEMBER 8, 1925.

206,943. SILK PIECE GOODS. WECHSLER BARBER SILK COMPANY, INC., New York, N. Y.
Filed July 15, 1924. Serial No. 200,074. PUBLISHED MAY 12, 1925.

206,944. RADIO RECEIVING AND TRANSMITTING SETS; FIXED AND VARIABLE CONDENSERS; INDUCTANCE COILS; VARIOMETERS AND VARIOCOUPLERS; COIL AND CONDENSER HOLDERS; VALVE HOLDERS IN SOCKETS; PLUGS, TERMINALS, TELEPHONE JACKS AND PLUGS; SWITCHES; FIXED AND VARIABLE RESISTANCES AND RHEOSTATS; CONTACT PLUGS; TERMINAL STRIPS; EAR PHONES; LOUD SPEAKERS; TRANSFORMERS FOR HIGH-FREQUENCY AND LOW-FREQUENCY AMPLIFICATION; ELECTRON TUBES, AND CRYSTAL DETECTORS. AKTIEBOLAGET BALTIC, Stockholm, Sweden.
Filed June 30, 1924. Serial No. 199,335. PUBLISHED SEPTEMBER 15, 1925.

206,945. FINGER RINGS. WILLIAM HENRY CORBOULD, London, England.
Filed August 27, 1923. Serial No. 185,007. PUBLISHED SEPTEMBER 15, 1925.

206,946. PAINT ENAMELS FOR USE ON SMOKESTACKS AND INSIDE WOODWORK. THE PARAFFINE COMPANIES, INC., San Francisco, Calif.
Filed January 2, 1924. Serial No. 190,353. PUBLISHED SEPTEMBER 15, 1925.

206,947. MERCURY-VAPOR ARC LAMPS AS SOURCES OF ULTRA-VIOLET AND OTHER LIGHT FOR USE IN COMMERCIAL AND SCIENTIFIC LABORATORIES. COOPER HEWITT ELECTRIC COMPANY, Hoboken, N. J.
Filed June 26, 1924. Serial No. 199,151. PUBLISHED SEPTEMBER 8, 1925.

206,948. DRY, PASTE, AND READY-MIXED PAINTS, DRY AND OIL COLORS, AND VARNISHES. THE BUCKEYE PAINT & VARNISH CO., Toledo, Ohio.
Filed February 4, 1924. Serial No. 191,998. PUBLISHED SEPTEMBER 15, 1925.

206,949. RADIO RECEIVING SETS AND PARTS THEREOF. AMEREX ELECTRIC CORPORATION, New York, N. Y.
Filed February 3, 1925. Serial No. 209,018. PUBLISHED SEPTEMBER 15, 1925.

206,950. FUEL OILS AND LUBRICATING OILS. ALFRED T. LOCKE, Chicago, Ill.
Filed February 5, 1925. Serial No. 209,129. PUBLISHED SEPTEMBER 8, 1925.

206,951. ELECTRICALLY-ILLUMINATED DIRECTION SIGNALS AND INDICATORS CARRIED BY MOTOR VEHICLES. VINCENT OLIVER, doing business as The Aut-O-Lantern Co., Philadelphia, Pa.
Filed February 7, 1925. Serial No. 209,286. PUBLISHED SEPTEMBER 22, 1925.

206,952. RADIO RECEIVING SETS, PARTS THEREOF, LOUD SPEAKERS, AND LOOP ANTENNÆ THEREFOR. REICHMANN COMPANY, Chicago, Ill.
Filed February 26, 1925. Serial No. 210,189. PUBLISHED SEPTEMBER 22, 1925.

206,953. MONTHLY MAGAZINE. OHIO FEDERATION OF WOMEN'S CLUBS, Cleveland, Ohio.
Filed March 9, 1925. Serial No. 210,746. PUBLISHED JULY 7, 1925.

206,954. RADIO RECEIVING SETS AND PARTS THEREFOR, AERIAL WIRE AND BATTERIES. SAMUEL S. SPRING, doing business as Radio-Electric Mfg. Co., Newark, N. J.
Filed March 14, 1925. Serial No. 211,062. PUBLISHED SEPTEMBER 22, 1925.

206,955. ELECTRIC SOLDER POTS. WALTER W. HANSEN, doing business as The Hansen Company, Chicago, Ill.
Filed March 16, 1925. Serial No. 211,095. PUBLISHED SEPTEMBER 22, 1925.

206,956. GASOLINE, LUBRICATING OILS, AND LUBRICATING GREASES. W. J. RYAN CORPORATION, Oklahoma City, Okla.
Filed March 30, 1925. Serial No. 211,870. PUBLISHED OCTOBER 6, 1925.

206,957. CAT WHISKERS, CRYSTALS, AND CRYSTAL RECEIVING SETS. U. C. BATTERY & ELECTRIC CO., Berkeley, Calif.
Filed April 6, 1925. Serial No. 212,307. PUBLISHED SEPTEMBER 22, 1925.

206,958. RADIO RECEIVING SETS. PHENIX RADIO CORPORATION, New York, N. Y.
Filed April 17, 1925. Serial No. 212,866. PUBLISHED SEPTEMBER 22, 1925.

206,959. MATCHES. EESTI TIKUTÖÖSTUS "LENDRA" A-S., Reval, Esthonia.
Filed April 20, 1925. Serial No. 213,016. PUBLISHED JULY 21, 1925.

206,960. THERMIONIC VACUUM RADIOTUBES. RADIO ESSENTIALS CORPORATION (NOT INC.), Chicago, Ill.
Filed April 24, 1925. Serial No. 213,256. PUBLISHED JULY 28, 1925.

206,961. MATCHES. EESTI TIKUTÖÖSTUS "LENDRA" A-S., Reval, Esthonia.
Filed April 30, 1925. Serial No. 213,557. PUBLISHED JULY 21, 1925.

206,962. POULTRY FOODS. JOHN T. BELL, Corcoran, Calif.
Filed May 29, 1925. Serial No. 215,042. PUBLISHED SEPTEMBER 29, 1925.

206,963. FIBER-BOARD BOXES. ROBERT GAYLORD INCORPORATED, St. Louis, Mo.
Filed June 1, 1925. Serial No. 215,145. PUBLISHED SEPTEMBER 29, 1925.

206,964. MONTHLY PUBLICATION. SAMUEL LANG, Poughkeepsie, N. Y.
Filed June 2, 1925. Serial No. 215,212. PUBLISHED AUGUST 18, 1925.



206,965. LUBRICATING OILS. THE YALE & TOWNE MANUFACTURING COMPANY, Stamford, Conn.
Filed June 10, 1925. Serial No. 215,611. PUBLISHED SEPTEMBER 22, 1925.

206,966. PETROLEUM PRODUCTS—NAMELY, LUBRICATING OILS, GASOLINE, AND LUBRICATING GREASES. CENTRAL COMMERCIAL COMPANY, Chicago, Ill.
Filed June 19, 1925. Serial No. 216,016. PUBLISHED SEPTEMBER 8, 1925.

206,967. CHEESE. E. CERRUTI, New York, N. Y.
Filed June 29, 1925. Serial No. 216,588. PUBLISHED SEPTEMBER 29, 1925.

206,968. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS, FOR ILLUMINATING, HEATING, POWER, BURNING, LUBRICATING, GREASING, SOLVENT, SEALING, WAXING, WATERPROOFING, COATING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed July 2, 1925. Serial No. 216,801. PUBLISHED SEPTEMBER 29, 1925.

206,969. CHINA, PORCELAIN, AND EARTHENWARE DISHES AND SETS OF DISHES. THE SAXON CHINA COMPANY, Sebring, Ohio.
Filed July 9, 1925. Serial No. 217,114. PUBLISHED OCTOBER 6, 1925.

206,970. SELF-RISING WHEAT FLOUR. DAN VALLEY MILLS, Danville, Va.
Filed July 14, 1925. Serial No. 217,334. PUBLISHED SEPTEMBER 29, 1925.

206,971. GASOLINE AND LUBRICATING OILS. RAY MOTT HOUSEL, Kannapolis, N. C.
Filed July 16, 1925. Serial No. 217,462. PUBLISHED SEPTEMBER 15, 1925.

206,972. LOUD-SPEAKER UNITS. BLOOD TONE ARM COMPANY, Bay City, Mich.
Filed July 30, 1925. Serial No. 218,098. PUBLISHED SEPTEMBER 22, 1925.

206,973. RADIO RECEIVING SETS AND PARTS THEREOF. THE PILOT ELECTRIC MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed July 30, 1925. Serial No. 218,141. PUBLISHED SEPTEMBER 22, 1925.

206,974. RADIO RECEIVING, DETECTING, AND TRANSMITTING SETS AND PARTS THEREOF. DAVEN RADIO CORPORATION, Newark, N. J.
Filed August 5, 1925. Serial No. 218,393. PUBLISHED SEPTEMBER 22, 1925.

206,975. DETECTOR AND AMPLIFIER TUBES FOR RADIO APPARATUS. THE Q R S MUSIC COMPANY, Chicago, Ill.
Filed August 10, 1925. Serial No. 218,658. PUBLISHED SEPTEMBER 22, 1925.

206,976. CONDENSERS. DUPLEX CONDENSER & RADIO CORPORATION, Brooklyn, N. Y.
Filed August 11, 1925. Serial No. 218,688. PUBLISHED SEPTEMBER 22, 1925.

206,977. ELECTRIC TERMINALS. WILLIAM STEVENS, doing business as William Stevens Co., Roslindale, Mass.
Filed August 13, 1925. Serial No. 218,832. PUBLISHED SEPTEMBER 22, 1925.

206,978. RESISTANCE WIRE FOR RHEOSTATS, METERS, HEATING PADS, AND THE LIKE. H. BOKER & CO., INC., New York, N. Y.
Filed August 15, 1925. Serial No. 218,896. PUBLISHED SEPTEMBER 22, 1925.

206,979. ICE CREAM. MICHAEL A. ROMAN, New York, N. Y.
Filed April 13, 1923. Serial No. 179,114. PUBLISHED OCTOBER 6, 1925.

206,980. SOUND-AMPLIFYING HORNS FOR RADIO LOUD SPEAKERS. FIBER PRODUCTS COMPANY, Newark, N. J.
Filed August 7, 1923. Serial No. 184,164. PUBLISHED OCTOBER 6, 1925.

206,981. CANDY. SAUPPE CANDY COMPANY, York, Pa.
Filed August 11, 1923. Serial No. 184,364. PUBLISHED OCTOBER 6, 1925.

206,982. CANDLES. KAY AND ELLINGER INC., New York, N. Y.
Filed October 13, 1923. Serial No. 186,956. PUBLISHED SEPTEMBER 29, 1925.

206,983. SUGAR, TABLE SIRUP, HONEY; ALIMENTARY PASTES OF WHEAT FLOUR, LEGUMINOUS FLOUR, AND LEGUMINOUS MEALS; COCOA, CHOCOLATE, CANDIES, CAKES, PASTRY, CEREAL DIETETIC FOOD, FOOD FOR INFANTS AND INVALIDS, MALT, STOCK FOOD, AND POULTRY FOOD. PETER ANTON FRIEDRICH KUFEKE, doing business as R. Kufeke, Bergedorf, near Hamburg, Germany.
Filed October 29, 1923. Serial No. 187,628. PUBLISHED SEPTEMBER 29, 1925.

206,984. SOAP. JAMES S. KIRK & COMPANY, Chicago, Ill.
Filed February 15, 1924. Serial No. 192,829. PUBLISHED MAY 19, 1925.

206,985. ASPHALTIC-BASE PAINTS FOR COATING CAR ROOFS, UNDERFRAMES, SUPERFRAMES, AND POINTS OF CONTACT. ROBERT M. LUCAS, Chicago, Ill.
Filed February 23, 1924. Serial No. 192,707. PUBLISHED OCTOBER 6, 1925.

206,986. SOCKETS FOR VACUUM TUBES. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill.
Filed May 28, 1924. Serial No. 197,467. PUBLISHED OCTOBER 6, 1925.

206,987. PREPARED COCOA-CHOCOLATE COMBINATION FOR FOOD AND TABLE-BEVERAGE PURPOSES. REID, MURDOCK & CO., Chicago, Ill.
Filed May 29, 1924. Serial No. 197,833. PUBLISHED OCTOBER 6, 1925.

206,988. SWITCH BOXES, OUTLET BOXES AND COVERS, GROUND CLAMPS, AUTO FUSES AND CLIPS, SWITCH-BOX FERRULES, AUTO TROUBLE LAMPS, AND AUTO LAMP CONNECTERS. ROACH-APPLETON MANUFACTURING COMPANY, Chicago, Ill.
Filed June 7, 1924. Serial No. 198,258. PUBLISHED OCTOBER 6, 1925.

206,989. BUTTER, ICE CREAM, CHEESE, POT CHEESE, MILK, AND POWDERED MILK. DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica, N. Y.
Filed June 24, 1924. Serial No. 199,044. PUBLISHED SEPTEMBER 15, 1925.

206,990. CANDY BARS. THE BRADLEY, SMITH CO., New Haven, Conn.
Filed July 16, 1924. Serial No. 200,089. PUBLISHED OCTOBER 6, 1925.

206,991. CANNED PRUNES. DRAGER FRUIT CO., Salem, Oreg.
Filed August 27, 1924. Serial No. 201,924. PUBLISHED OCTOBER 6, 1925.

206,992. PREPARED FOODS, SPECIFICALLY SARDINES. B. WESTERGAARD & COMPANY, Brooklyn, N. Y.
Filed September 4, 1924. Serial No. 202,228. PUBLISHED OCTOBER 6, 1925.

206,993. REEDS FOR ORCHESTRAL WIND INSTRUMENTS. MARIE DUNAND, Paris, France.
Filed October 13, 1924. Serial No. 203,794. PUBLISHED SEPTEMBER 29, 1925.

206,994. TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÊPE PAPER. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed November 22, 1924. Serial No. 205,692. PUBLISHED MAY 26, 1925.

206,995. CANNED VEGETABLES. HENRY TRUITT, doing business as The Princeville Canning Co., Princeville, Ill.
Filed November 22, 1924. Serial No. 205,716. PUBLISHED OCTOBER 6, 1925.

206,996. RADIOPANELS AND SPECIALLY-TREATED WOOD PRODUCTS SUITABLE FOR THE MANUFACTURE OF ARTICLES FOR ELECTRICAL INSULATION, DIELECTRIC ARTICLES, AND THE LIKE. BATTELLE & HOSKINS CO., now by change of name The Lignole Corporation, Chicago, Ill.
Filed November 24, 1924. Serial No. 205,726. PUBLISHED OCTOBER 6, 1925.

206,997. CHEESE. AURICCHIO & AURICCHIO, San Giuseppe Vesuviano, Italy, and New York, N. Y.
Filed November 29, 1924. Serial No. 205,981. PUBLISHED SEPTEMBER 29, 1925.

206 998. PENCILS. CLAUDE E. PARKER, Mountain View, Calif.
Filed December 24, 1924. Serial No. 207,201. PUBLISHED FEBRUARY 10, 1925.

206,999. PLECTRUM INSTRUMENTS. ALVIN D. KEECH, London, England.
Filed January 13, 1925. Serial No. 208,054. PUBLISHED SEPTEMBER 15, 1925.

207,000. GROUND-LINSEED-OIL-MEAL CAKE USED AS A STOCK FEED. FRED W. SIMPSON, Chicago, Ill.
Filed January 15, 1925. Serial No. 208,164. PUBLISHED MARCH 17, 1925.

207,001. MANUALLY-OPERATED CHORD-PLAYING MECHANISM FOR PIANOS, ORGANS, AND LIKE MUSICAL INSTRUMENTS. DAVID TALMAGE, Brooklyn, N. Y.
Filed January 15, 1925. Serial No. 208,169. PUBLISHED SEPTEMBER 8, 1925.

207,002. DRESSMAKERS' PINS. EDITH SPARKE, San Francisco, Calif.
Filed January 19, 1925. Serial No. 208,317. PUBLISHED AUGUST 25, 1925.

207,003. AUTOMOBILE POLISHES. PIERRE M. COX, doing business as Cox Manufacturing Company, North Fort Worth, Tex.
Filed January 22, 1925. Serial No. 208,457. PUBLISHED SEPTEMBER 29, 1925.

207 004. INKS FOR USE WITH MULTICOPYING APPARATUS, INK RIBBONS, AND CARBON PAPER. GREIF-WERKE VORMALS DEUTSCHE BÜROBEDARFSGESELLSCHAFT BRUER & CO., Goslar, Germany.
Filed February 6, 1925. Serial No. 209,163. PUBLISHED SEPTEMBER 8, 1925.

207,005. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. LIME COLA BOTTLING COMPANY, Roxboro, N. C.
Filed February 14, 1925. Serial No. 209,579. PUBLISHED MAY 19, 1925.

207,006. CANDY. STERLING CHOCOLATE CO., INC., Brooklyn, N. Y.
Filed February 16, 1925. Serial No. 209,708. PUBLISHED APRIL 7, 1925.

207,007. RADIO LOUD SPEAKERS. GALE RADIO LABORATORIES, Chicago, Ill.
Filed February 18, 1925. Serial No. 209,782. PUBLISHED SEPTEMBER 15, 1925.

207,008. DRY, PASTE, AND READY-MIXED PAINTS; ENAMELS IN THE NATURE OF PAINTS, VARNISHES, PAINT REMOVER. CECIL W. SOCKETT, Los Angeles, Calif.
Filed February 19, 1925. Serial No. 209,877. PUBLISHED JUNE 9, 1925.

207,009. CONDENSERS AND SOCKETS FOR VACUUM TUBES FOR RADIO APPARATUS AND PARTS THEREOF. NELSON TOOL COMPANY, INC., New York, N. Y.
Filed March 13, 1925. Serial No. 210,976. PUBLISHED SEPTEMBER 8, 1925.

207,010. COMBS AND HAIR PIECES. J. NOTOVITZ, INC., Chicago, Ill.
Filed March 19, 1925. Serial No. 211,286. PUBLISHED SEPTEMBER 22, 1925.

207,011. ELECTRICAL WIRES AND CABLES, WIRING ASSEMBLIES, PORTABLE ELECTRIC EXTENSION CORDS, TRANSFORMERS, AND RADIO APPARATUS—NAMELY, RECEIVING SETS, TRANSMITTING SETS, TRANSFORMERS, AND BATTERY-WIRING ASSEMBLIES. THE PACKARD ELECTRIC COMPANY, Warren, Ohio.
Filed April 1, 1925. Serial No. 212,023. PUBLISHED SEPTEMBER 15, 1925.

207,012. DYNAMO-ELECTRIC GENERATORS AND MOTORS AND PARTS OF SAME. THE LANCASHIRE DYNAMO AND MOTOR COMPANY LIMITED, Trafford Park, Manchester, England.
Filed April 10, 1925. Serial No. 212,497. PUBLISHED SEPTEMBER 8, 1925.

207,013. ELECTRICAL SIGNS, INTERIOR OR EXTERIOR. WILLEY SIGN CO., Detroit, Mich.
Filed April 17, 1925. Serial No. 212,872. PUBLISHED SEPTEMBER 15, 1925.

207,014. VARNISHES, PAINT ENAMELS, STAINS, UNDERCOATING, FLOOR OILS, PREPARED SHELLACS, OUTSIDE PAINT, INTERIOR PAINT, FLOOR PAINT, LACQUERS, AND LINOLEUM FINISH. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill.
Filed April 25, 1925. Serial No. 213,298. PUBLISHED SEPTEMBER 29, 1925.

207,015. DYNAMOS, ELECTRIC MOTORS, TRANSFORMERS, CABLES, SWITCHES, SWITCHBOARDS, CIRCUIT BREAKERS, FUSES, ELECTRIC LAMPS, RADIO RECEIVING SETS AND PARTS THEREOF, DRY CELLS, BATTERIES, CONDENSERS, TUBES, RHEOSTATS, LIGHTNING ARRESTERS, LOUD SPEAKERS, PLUGS, ANTENNA EQUIPMENT, TELEPHONE INSTRUMENTS, TELEGRAPH INSTRUMENTS, AND INSULATING COMPOUNDS. SACHSENWERK, LICHT- UND KRAFT-AKTIENGESELLSCHAFT, Niedersedlitz, near Dresden, Germany.
Filed April 25, 1925. Serial No. 213,320. PUBLISHED SEPTEMBER 8, 1925.

207,016. PREPARED SHELLAC, BANANA BRONZING LIQUIDS, HARD-WAX POLISH, BLACK ASPHALTUM PAINT, PAINT ENAMEL, FLAT WALL FINISH, OIL STAINS, AND PAINT AND VARNISH REMOVER. HARRY LEONARD GREENBAUM, doing business as Technical Color & Chemical Works, Brooklyn, N. Y.
Filed April 28, 1925. Serial No. 213,437. PUBLISHED SEPTEMBER 22, 1925.

207,017. RESISTANCE-COUPLED AMPLIFIERS AND RESISTANCE UNITS. DAVEN RADIO CORPORATION, Newark, N. J.
Filed May 2, 1925. Serial No. 213,698. PUBLISHED SEPTEMBER 15, 1925.

207,018. PUTTY AND GLAZING COMPOUNDS. MACK PAINT PRODUCTS COMPANY, Dover, Del., and Pittsburgh, Pa.
Filed May 2, 1925. Serial No. 213,717. PUBLISHED SEPTEMBER 22, 1925.

207,019. NURSES' AND MAIDS' UNIFORMS CONSISTING OF COAT AND DRESS IN ONE PIECE. LADIES' APRONS, FLANNELETTE NIGHTGOWNS, AND LADIES' PYJAMAS. NATHAN & DANIEL, New York, N. Y.
Filed May 29, 1925. Serial No. 215,088. PUBLISHED SEPTEMBER 22, 1925.



207,020. ELECTRIC FANS, ELECTRIC MOTORS AND PARTS THEREOF, AND RADIO RECEIVING SETS AND LOUD SPEAKERS AND PARTS, COMPRISING CONDENSERS, TRANSFORMERS, SWITCHES, SOCKETS, AND PANELS. THE DAYTON FAN AND MOTOR COMPANY, Dayton, Ohio.
Filed June 1, 1925. Serial No. 215,141. PUBLISHED OCTOBER 6, 1925.

207,021. MUSICAL INSTRUMENTS OF THE ZITHER TYPE HAVING ONE OR MORE BOW-PLAYED STRINGS AND ALSO ONE OR MORE STRINGS SOUNDED BY PLUCKING. THE BOSSTONE COMPANY, Boston and East Boston, Mass.
Filed June 1, 1925. Serial No. 215,129. PUBLISHED OCTOBER 6, 1925.

207,022. CONCENTRATED ITALIAN GRAPES FOR GRAPE JELLIES. VALENTINO GIATTI, doing business at Italograppo Importing Co., New York, N. Y.
Filed June 3, 1925. Serial No. 215,246. PUBLISHED OCTOBER 6, 1925.

207,023. LEATHER AND FABRIC BOOTS AND SHOES. GROUND GRIPPER SHOE COMPANY, INC., New York, N. Y., and Boston, Mass.
Filed June 3, 1925. Serial No. 215,250. PUBLISHED SEPTEMBER 8, 1925.

207,024. MOTION-PICTURE PROJECTORS. ACME MOTION PICTURE PROJECTOR COMPANY, Chicago, Ill.
Filed June 8, 1925. Serial No. 215,481. PUBLISHED SEPTEMBER 29, 1925.

207,025. SHORTENING. THE BEST FOODS, INC., New York, N. Y.
Filed June 9, 1925. Serial No. 215,500. PUBLISHED OCTOBER 6, 1925.

207,026. COTTON PIECE GOODS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed June 10, 1925. Serial No. 215,598. PUBLISHED SEPTEMBER 29, 1925.

207,027. COTTON PIECE GOODS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed June 11, 1925. Serial No. 215,660. PUBLISHED SEPTEMBER 29, 1925.

207,028. MUFFLER ATTACHMENT FOR TELEPHONE TRANSMITTERS. EDWARD L. BEARD, Kansas City, Mo.
Filed June 15, 1925. Serial No. 215,768. PUBLISHED OCTOBER 6, 1925.

207,029. LACQUER. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed June 17, 1925. Serial No. 215,897. PUBLISHED OCTOBER 6, 1925.

207,030. COTTAGE CHEESE. THE MATTHEWS DAIRIES COMPANY, Cincinnati, Ohio.
Filed June 20, 1925. Serial No. 216,111. PUBLISHED OCTOBER 6, 1925.

207,031. FEEDS AND FOODSTUFFS FOR POULTRY, CATTLE, HORSES, MULES, AND HOGS. EDGAR-MORGAN CO., Memphis, Tenn.
Filed June 27, 1925. Serial No. 216,514. PUBLISHED OCTOBER 6, 1925.

207,032. BISCUITS, BREAD, BUNS, CAKE, COOKIES, CRACKERS, DOUGHNUTS, DUMPLINGS, WHEAT FLOUR, MEAL FROM CRUSHED CRACKERS AND CAKES, GRITS SIMILAR TO THE MEAL BUT MORE COARSELY GROUND, GRIDDLE CAKES, MACAROONS, MUFFINS, PANCAKES, POTATO CHIPS, PRETZELS, PUDDING, ROLLS, WAFERS FROM WHEAT FLOUR AND SIRUP, ZWIEBACK, BUTTER, JELLY, AND SIRUP FOR FOOD PURPOSES. GEORGE F. JEFFERSON, doing business as The Endless Life Food and Drink Company, Cincinnati, Ohio.
Filed June 29, 1925. Serial No. 216,606. PUBLISHED SEPTEMBER 29, 1925.

207,033. COFFEE. FREY-WEAVER CO., Lancaster, Pa.
Filed July 8, 1925. Serial No. 217,021. PUBLISHED OCTOBER 6, 1925.

207,034. FRESH CITROUS FRUITS (ORANGES, LEMONS, AND GRAPEFRUIT). MCPHERSON HEIGHTS CITRUS ASSOCIATION, Orange, Calif.
Filed July 9, 1925. Serial No. 217,105. PUBLISHED OCTOBER 6, 1925.

207,035. COFFEE. MAURY-COLE COMPANY, Memphis, Tenn.
Filed July 10, 1925. Serial No. 217,160. PUBLISHED OCTOBER 6, 1925.

207,036. COFFEE. MAURY-COLE COMPANY, Memphis, Tenn.
Filed July 10, 1925. Serial No. 217,170. PUBLISHED OCTOBER 6, 1925.

207,037. COFFEE. MAURY-COLE COMPANY, Memphis, Tenn.
Filed July 10, 1925. Serial No. 217,171. PUBLISHED OCTOBER 6, 1925.

207,038. FRIED POTATOES. CHIP-O-TATO CORPORATION OF AMERICA, St. Paul, Minn.
Filed July 13, 1925. Serial No. 217,258. PUBLISHED OCTOBER 6, 1925.

207,039. CARTRIDGES FOR USE WITH LIQUID OXYGEN. PUROX COMPANY, Denver, Colo.
Filed December 23, 1924. Serial No. 207,146. PUBLISHED OCTOBER 6, 1925.

207,040. FOODS AND INGREDIENTS OF FOODS—NAMELY, COCOA, ALMOND EXTRACT, LEMON EXTRACTS, ORANGE EXTRACT, VANILLA, VANILLIN AND COUMARIN, BANANA FLAVOR, CINNAMON FLAVOR, MAPLE FLAVOR, MIXED FRUIT FLAVOR, PINEAPPLE FLAVOR, STRAWBERRY FLAVOR, VANILLIN AND COUMARIN FLAVOR, ALLSPICE, CINNAMON, CLOVES, GINGER, MIXED SPICES, MUSTARD, NUTMEG, PEPPER, RED PEPPER, AND SAGE. THE J. R. WATKINS COMPANY, Winona, Minn.
Filed January 9, 1925. Serial No. 207,902. PUBLISHED SEPTEMBER 22, 1925.

207,041. COTTON SUITING IN THE PIECE. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed February 2, 1925. Serial No. 208,966. PUBLISHED SEPTEMBER 29, 1925.

207,042. COTTON SUITING IN THE PIECE. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed February 2, 1925. Serial No. 208,971. PUBLISHED SEPTEMBER 29, 1925.

207,043. FRIED CAKES. GUMP BAKING COMPANY, Detroit, Mich.
Filed March 2, 1925. Serial No. 210,383. PUBLISHED OCTOBER 6, 1925.

207,044. LAUNDRY AND CLOTHES WASHING MACHINES. MINIMAX UTILITIES ASSOCIATION, Oakland, Calif.
Filed March 9, 1925. Serial No. 210,742. PUBLISHED OCTOBER 6, 1925.

207,045. MITTENS AND GLOVES OF LEATHER, RUBBER, AND FABRIC; LEATHER AND RUBBER, LEATHER AND FABRIC, AND RUBBER AND FABRIC. C. D. OSBORN CO., Chicago, Ill.
Filed March 31, 1925. Serial No. 211,945. PUBLISHED SEPTEMBER 29, 1925.

207,046. PHONOGRAPHS, TALKING MACHINES, PIANOS, AND PLAYER PIANOS. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo.
Filed April 6, 1925. Serial No. 212,276. PUBLISHED OCTOBER 6, 1925.

207,047. PANCAKE FLOUR COMPOSED OF A COMBINATION OF WHEAT, CORN, AND RICE FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed April 21, 1925. Serial No. 213,085. PUBLISHED SEPTEMBER 29, 1925.

207,048. VEILS AND SILK GOODS IN THE PIECE. VANITY FAIR SILK MILLS, Reading, Pa.
Filed May 2, 1925. Serial No. 213,748. PUBLISHED SEPTEMBER 29, 1925.

207,049. TEXTILE SHEETS AND PILLOWCASES. FORT MILL MANUFACTURING CO., Fort Mill, S. C.
Filed May 6, 1925. Serial No. 213,896. PUBLISHED SEPTEMBER 29, 1925.

207,050. PAINTS AND VARNISHES OF ALL KINDS. M. BUTEN & SONS, Philadelphia, Pa.
Filed May 7, 1925. Serial No. 213,952. PUBLISHED SEPTEMBER 29, 1925.

207,051. GROATS. KEEN, ROBINSON & COMPANY, LIMITED, London, England.
Filed May 7, 1925. Serial No. 213,975. PUBLISHED OCTOBER 6, 1925.

207,052. GRATED CHEESE. ERCOLE H. LOCATELLI, doing business as Mattia Locatelli, New York, N. Y.
Filed May 9, 1925. Serial No. 214,087. PUBLISHED OCTOBER 6, 1925.

207,053. HENNA PREPARATIONS FOR COLORING OR TINTING THE HAIR. J. SCHANSENBACH AND COMPANY, INC., New York, N. Y.
Filed January 13, 1925. Serial No. 208,072. PUBLISHED FEBRUARY 24, 1925.

207,054. METAL VALVE MEMBERS, METAL VALVE SEATS, AND METAL VALVE RINGS. THE FISHER GOVERNOR COMPANY, Marshalltown, Iowa.
Filed May 13, 1925. Serial No. 214,243. PUBLISHED SEPTEMBER 29, 1925.

207,055. COFFEE. JOHN H. WILKINS CO., Washington, D. C.
Filed May 13, 1925. Serial No. 214,295. PUBLISHED OCTOBER 6, 1925.

207,056. COFFEE. JOHN H. WILKINS CO., Washington, D. C.
Filed May 13, 1925. Serial No. 214,296. PUBLISHED OCTOBER 6, 1925.

207,057. COFFEE. JOHN H. WILKINS CO., Washington, D. C.
Filed May 13, 1925. Serial No. 214,297. PUBLISHED OCTOBER 6, 1925.

207,058. FRESH FRUITS AND VEGETABLES. ORRIN O. EATON, Watsonville, Calif.
Filed May 16, 1925. Serial No. 214,406. PUBLISHED OCTOBER 6, 1925.

207,059. RADIO VACUUM TUBE. WALTER S. LEFEBRE, doing business as American Radio Sales Company, Newark, N. J.
Filed May 18, 1925. Serial No. 214,489. PUBLISHED OCTOBER 6, 1925.

207,060. MATCHES. DUGGAL BROS, London, England.
Filed August 12, 1925. Serial No. 218,744. PUBLISHED OCTOBER 6, 1925.

207,061. PIANOS. WEYDIG PIANO CORPORATION, New York, N. Y.
Filed August 6, 1925. Serial No. 218,515. PUBLISHED OCTOBER 6, 1925.

207,062. AGRICULTURE LIMESTONE AND LAWN LIMESTONE. THE OHIO MARBLE COMPANY, INC., Piqua, Ohio.
Filed August 6, 1925. Serial No. 218,499. PUBLISHED SEPTEMBER 29, 1925.

207,063. WHEAT FLOUR. COMMANDER MILL COMPANY, Minneapolis, Minn.
Filed August 6, 1925. Serial No. 218,472. PUBLISHED SEPTEMBER 22, 1925.

207,064. FOLDING IRONING TABLES AND WASHBOARDS. NATIONAL WASHBOARD COMPANY, Chicago, Ill., and Saginaw, Mich.
Filed August 3, 1925. Serial No. 218,318. PUBLISHED OCTOBER 6, 1925.

207,065. CEREAL MIXTURE SERVING AS A SUBSTITUTE FOR COFFEE. THE LOVIT COMPANY, Milwaukee, Wis.
Filed August 3, 1925. Serial No. 218,316. PUBLISHED OCTOBER 6, 1925.

207,066. CANDY TABLETS MADE OF SUGAR, MILK POWDER, AND FLAVORING MATTER. GOLDEN STATE MILK PRODUCTS COMPANY, San Francisco, Calif.
Filed August 1, 1925. Serial No. 218,254. PUBLISHED OCTOBER 6, 1925.

207,067. STEEL CASTINGS. WALWORTH MANUFACTURING COMPANY, Boston, Mass.
Filed July 31, 1925. Serial No. 218,225. PUBLISHED SEPTEMBER 29, 1925.

207,068. CANNED VEGETABLES. ROY NELSON, doing business as Roy Nelson Canning Co., Crane, Mo.
Filed July 30, 1925. Serial No. 218,133. PUBLISHED OCTOBER 6, 1925.

207,069. ZWIEBACK. ARNOLD O. WEISMANN, Chicago, Ill.
Filed July 27, 1925. Serial No. 217,973. PUBLISHED OCTOBER 6, 1925.

207,070. POULTRY FATTENER. ILLINOIS FEED & ELEVATOR COMPANY, Bloomington, Ill.
Filed July 25, 1925. Serial No. 217,882. PUBLISHED SEPTEMBER 29, 1925.

207,071. ELECTRICAL CONNECTERS FOR PIPE AND CONDUIT. GROUNDULET COMPANY, Newark, N. J.
Filed July 25, 1925. Serial No. 217,874. PUBLISHED OCTOBER 6, 1925.

207,072. PLAIN AND SELF-RISING WHEAT FLOUR. NASHVILLE ROLLER MILLS, Nashville, Tenn.
Filed July 24, 1925. Serial No. 217,832. PUBLISHED OCTOBER 6, 1925.

207,073. APPARATUS USED IN METERING AND CONTROLLING THE PHYSICAL CONDITION OF AGITATED MATERIALS. FARRALL & TURNBOW, Davis, Calif.
Filed July 23, 1925. Serial No. 217,765. PUBLISHED SEPTEMBER 29, 1925.

207,074. ELECTRICAL APPARATUS MORE PARTICULARLY FOR CONTROL DIALS FOR USE WITH RADIO APPARATUS AND FOR RADIO RECEIVING SETS. PACENT ELECTRIC COMPANY, INCORPORATED, New York, N. Y.
Filed July 22, 1925. Serial No. 217,734. PUBLISHED OCTOBER 6, 1925.

207,075. RADIO RECEIVING SETS AND PARTS THEREOF. THE LANGBEIN-KAUFMAN RADIO CO., New Haven, Conn.
Filed July 22, 1925. Serial No. 217,716. PUBLISHED OCTOBER 6, 1925.

207,076. CANDY. THE R. E. RODDA CANDY COMPANY, York, Pa.
Filed July 21, 1925. Serial No. 217,683. PUBLISHED OCTOBER 6, 1925.

207,077. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. DELTA SIGMA PHI FRATERNITY INC., Washington, D. C.
Filed July 18, 1925. Serial No. 217,546. PUBLISHED OCTOBER 6, 1925.

207,078. WEDDING, ENGAGEMENT, AND OTHER FINGER RINGS FOR BOTH MEN AND WOMEN; CHARMS, AMULETS, BRACELETS, LOCKETS, BROOCHES, BAR PINS, STICK PINS, CUFF BUTTONS, CUFF LINKS, NECKLACES, NECKLACE CLASPS, EARRINGS, EAR SCREWS, FLAT AND HOLLOW SILVERWARE, STERLING AND PLATED BELT BUCKLES, TIE CLASPS, AND WATCH CHAINS. JOSEPH MAZER COMPANY, INC., New York, N. Y.
Filed July 17, 1925. Serial No. 217,523. PUBLISHED OCTOBER 6, 1925.



207,079. ELECTRIC FREIGHT AND PASSENGER ELEVATORS. AMERICAN ELEVATOR & MACHINE COMPANY, Louisville, Ky.
Filed July 17, 1925. Serial No. 217,494. PUBLISHED OCTOBER 6, 1925.

207,080. CANNED SALMON. ALASKA CONSOLIDATED CANNERIES, INC., Seattle, Wash.
Filed July 17, 1925. Serial No. 217,490. PUBLISHED OCTOBER 6, 1925.

207,081. ELECTRICAL SIGNAL HORNS. AMERICAN BOSCH MAGNETO CORPORATION, Springfield, Mass.
Filed July 14, 1925. Serial No. 217,319. PUBLISHED OCTOBER 6, 1925.

207,082. ELECTRICALLY-OPERATED HAIR CLIPPERS. EPIFANIO V. N. TOMASULO, now by judicial change of name Nestor Nicholas Tomasulo, Philadelphia, Pa.
Filed January 24, 1923. Serial No. 175,037. PUBLISHED AUGUST 11, 1925.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)].

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

207,083. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE E. INGRAHAM COMPANY, Bristol, Conn.
Filed Sept. 10, 1925. Serial No. 220,071.

BRISTOL

*Particular description of goods.*—Watches.
*Claims use* for not less than one year.

207,084. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CLINTON E. VAIL, doing business as The Vail Manufacturers, Chicago, Ill.
Filed Sept. 8, 1925. Serial No. 220,001.

VAIL

*Particular description of goods.*—Standard and Automatic Spark Timers for Ford Car Tractors and Trucks.
*Claims use* since Feb. 15, 1920.

207,085. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE CLEVELAND INNER RING COMPANY, Cleveland, Ohio.
Filed Sept. 8, 1925. Serial No. 219,989.

SUPERIOR

*Particular description of goods.*—Inner Rings for Pistons.
*Claims use* since July 1, 1924.

207,086. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Sept. 4, 1925. Serial No. 219,795.

VOGUE

*Particular description of goods.*—Hard-Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair.
*Claims use* since Aug. 30, 1922.

207,087. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE OHIO CARBON COMPANY, Cleveland, Ohio. Filed Sept. 2, 1925. Serial No. 219,681.

*Particular description of goods.*—Electrical Contact-Making Brushes of Carbon, Graphite, and Metal and Graphite, Carbon Regulator Disks, and Carbon Contacts.
*Claims use* since July 1, 1916.

207,088. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TRACY & AVERY CO., Mansfield, Ohio.
Filed Aug. 28, 1925. Serial No. 219,502.

Gold Medal

*Particular description of goods.*—Coffee.
*Claims use* since May 17, 1921.

207,089. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANKLIN L. FAUSCH, Evansville, Ind. Filed Aug. 17, 1925. Serial No. 218,959.

Franklin

*Particular description of goods.*—Radio Apparatus—Namely, Complete Receiving Sets and Parts Thereof.
*Claims use* since June 13, 1922.

207,090. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE JACKSON-GULDAN VIOLIN CO., Columbus, Ohio. Filed Aug. 3, 1925. Serial No. 218,309.

— THE — GULDAN

*Particular description of goods.*—Violins.
*Claims use* since on or about February, 1921.

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207,091. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE CHICAGO WHITE LEAD & OIL CO., Chicago, Ill. Filed July 28, 1925. Serial No. 217,994.

AMSTERDAM EVERLASTING WHITE ENAMEL

*Particular description of goods.*—Paint Enamel.
*Claims use* since Feb. 3, 1920.

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207,092. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. CLEMENS HORST CO., San Francisco, Calif. Filed July 13, 1925. Serial No. 217,276.

HORST'S

*Particular description of goods.*—Canned Fruits and Vegetables.
*Claims use* since Mar. 1, 1918, on vegetables, and on fruits since June 17, 1925.

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207,093. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EDOUARD DUBIED & CIE., SOCIÉTÉ ANONYME, Couvet, near Neuchatel, Switzerland. Filed July 13, 1925. Serial No. 217,265.

DUBIED

*Particular description of goods.*—Needles for Knitting Machines.
*Claims use* since Aug. 22, 1924.

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207,094. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EDOUARD DUBIED & CIE., SOCIÉTÉ ANONYME, Couvet, near Neuchatel, Switzerland. Filed July 13, 1925. Serial No. 217,264.

EDOUARD DUBIED & CO

*Particular description of goods.*—Textile Machines, Especially Knitting Machines, Needles for Knitting Machines, and Parts of Knitting Machines.
*Claims use* since Jan. 1, 1915.

207,095. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLACERVILLE FRUIT GROWERS ASSOCIATION, Placerville, Calif. Filed July 10, 1925. Serial No. 217,182.

PLACERVILLE TAHOE

*Particular description of goods.*—Fresh Pears, Peaches, Plums, and Apples.
*Claims use* since July, 1924.

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207,096. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HARDMAN, PECK & CO., New York, N. Y. Filed June 9, 1925. Serial No. 215,512.

HENSEL

*Particular description of goods.*—Pianos, Player Pianos, and Reproducing Pianos.
*Claims use* since about 1902.

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207,097. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE G. S. STEWART COMPANY, Dover, Del., and Norwalk, Ohio. Filed June 4, 1925. Serial No. 215,319.

Stewart Safe-Seal Cedar Chest

*Particular description of goods.*—Cedar Chests.
*Claims use* since Nov. 1, 1921.

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207,098. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMPSON'S MALTED FOOD COMPANY, Waukesha, Wis. Filed May 25, 1925. Serial No. 214,897.

Thompson's Double Malted

*Particular description of goods.*—Malted Milk.
*Claims use* since December, 1922.



207,099. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DEL MONTE PROPERTIES COMPANY, San Francisco, Calif. Filed Apr. 18, 1925. Serial No. 212,900.

Our Recommendation CALIFORNIA

PALE GINGER ALE

*Particular description of goods.*—Ginger Ale.
*Claims use* since July 25, 1924.

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207,100. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MORIN SAW GAUGE MANUFACTURING CO., Seattle, Wash. Filed Mar. 16, 1925. Serial No. 211,114.

MORIN

*Particular description of goods.*—Saw Tools—Viz. Saw Sets, Hammers, Saw-Tooth-Setting Blocks, and Straightedges.
*Claims use* since about July 1, 1923.

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207,101. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ALLEN D. CARDWELL MANUFACTURING CORPORATION, Brooklyn, N. Y. Filed Nov. 4, 1924. Serial No. 204,814.

CARDWELL PRODUCTS

*Particular description of goods.*—Radio Receiving Sets, Radio-Frequency Transformers, Audio-Frequency Transformers, Variable Condensers, Rheostats, Variocouplers, Telephone Jacks, Tube Sockets, Head Sets, Detector Units, Knobs and Pointers, Dials, Amplifiers, Locking Relays, and Coils.
*Claims use* on locking relays and coils since August, 1922; on radio receiving sets, variable condensers, rheostats, variocouplers, telephone jacks, tube sockets, head sets, detector units, knobs and pointers, dials, and amplifiers since September, 1922; and on radio-frequency transformers and audio-frequency transformers since November, 1922.

207,102. (CLASS 39. CLOTHING.) THE HECHT CO., Washington, D. C., also doing business as The Hub, Baltimore, Md. Filed Oct. 14, 1924. Serial No. 203,862.

Sheldon

*Particular description of goods.*—Men's and Boys' Suits, Including Coats, Vests, and Trousers, and Overcoats.
*Claims use* since Aug. 1, 1924.

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207,103. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HOLDSEM PATENT CLASP COMPANY, Philadelphia, Pa. Filed Sept. 12, 1924. Serial No. 202,557.

Holdsem The Invisible Clasp Sews to Dress

*Particular description of goods.*—Garment Clasps of Metal Plated with Gold, Silver, or Like Precious Metals.
*Claims use* since Aug. 1, 1924.

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207,104. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE STAR PORCELAIN COMPANY, Trenton, N. J. Filed Aug. 19, 1924. Serial No. 201,628.

NU-BLAC

*Particular description of goods.*—Electrical Insulating Compound.
*Claims use* since Sept. 12, 1923.

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207,105. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Dec. 12, 1922. Serial No. 173,257.

Alpine

*Particular description of goods.*—Woolen Clothes in the Piece.
*Claims use* since Sept. 1, 1898.

207,106. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABBOTT E. KAY, M. D., Glen Ellyn, Ill. Filed Oct. 21, 1925. Serial No. 222,071.

KAY RADIUM

*Particular description of goods.*—Radium and Radium Preparations.
*Claims use* since Mar. 1, 1917.

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207,107. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EUSTON LEAD COMPANY, Scranton, Pa. Filed Sept. 22, 1925. Serial No. 220,600.

Euston

*Particular description of goods.*—White Lead in Oil, Dry White Lead.
*Claims use* since Sept. 26, 1914.

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207,108. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE JOHN H. MULHOLLAND COMPANY, Philadelphia, Pa. Filed Sept. 14, 1925. Serial No. 220,247.

FLATWOOD

*Particular description of goods.*—Wooden Spoons.
*Claims use* since 1919.

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207,109. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Filed Sept. 10, 1925. Serial No. 220,101.

"Easy Electric"

*Particular description of goods.*—Electric Flatirons.
*Claims use* since Mar. 15, 1920.

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207,110. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HOLSTEIN MANUFACTURING CO., INC., Richland, Pa. Filed July 30, 1925. Serial No. 218,122.

HOLSTEIN

*Particular description of goods.*—Tire Pumps.
*Claims use* since June, 1910.

207,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ASPEGREN & CO., INC., New York, N. Y. Filed Nov. 13, 1923. Serial No. 188,262.

Crackerjack

The mark consists of the words "Cracker Jack."
*Particular description of goods.*—Lard Substitutes in the Nature of Solid Cooking Fat for Shortening and Frying Mediums.
*Claims use* since Feb. 1, 1922.

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207,112. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MILFORD CANNING COMPANY, Milford, Ill. Filed May 8, 1924. Serial No. 196,750.

MILFORD

FANCY MIDGET

*Particular description of goods.*—Canned Corn.
*Claims use* since Jan. 5, 1923.

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207,113. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE VAN CAMP PACKING COMPANY, Indianapolis, Ind. Filed Oct. 13, 1924. Serial No. 203,850.

Soapstix

*Particular description of goods.*—Soap.
*Claims use* since Oct. 3, 1924.

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207,114. (CLASS 12. CONSTRUCTION MATERIALS.) NATHAN PAINE, Oshkosh, Wis. Filed Nov. 10, 1924. Serial No. 205,084.

PAINE HANGING CLOSET

*Particular description of goods.*—Hanging Closets.
*Claims use* since Nov. 6, 1924.



207,115. (CLASS 32. FURNITURE AND UPHOLSTERY.) WATERTOWN TABLE SLIDE COMPANY, Watertown, Wis. Filed Jan. 3, 1925. Serial No. 207,637.

Watertown Automatic Equalizer

*Particular description of goods.*—Table Extension Slides.
*Claims use* since Oct. 1, 1924.

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207,116. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. H. PRIDE & CO., Bellingham, Wash. Filed Jan. 16, 1925. Serial No. 208,208.

BEST-OF-ALL

*Particular description of goods.*—Canned Fruits and Canned Vegetables, Jams, Fruit Preserves, and Jellies.
*Claims use* since Oct. 10, 1924.

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207,117. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) E. R. WAGNER MFG. COMPANY, North Milwaukee, Wis. Filed May 16, 1925. Serial No. 214,446.

Wagner

*Particular description of goods.*—Shock Absorbers for Motor Vehicles.
*Claims use* since October, 1924.

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207,118. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GURNEY HEATER MANUFACTURING COMPANY, Boston, Mass. Filed June 8, 1925. Serial No. 215,460.

ESSEX

*Particular description of goods.*—Steam and Hot-Water Boilers.
*Claims use* since November, 1914.

207,119. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GURNEY HEATER MANUFACTURING COMPANY, Boston, Mass. Filed June 8, 1925. Serial No. 215,461.

LENOX

*Particular description of goods.*—Steam and Hot-Water Boilers.
*Claims use* since February, 1909.

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207,120. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed June 25, 1925. Serial No. 216,431.

Radiola Super-Heterodyne

*Particular description of goods.*—Radio Receiving Sets and Parts Thereof.
*Claims use* since for not less than one year prior to June 22, 1925.

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207,121. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PFEIFFER CHEMICAL COMPANY, New York, N. Y. Filed July 14, 1925. Serial No. 217,362.

DR. HOBSON'S

*Particular description of goods.*—Sulphur, Carbolic, Derma-zema, Antiseptic, Germicidal, and Medicated Soaps.
*Claims use* since Aug. 30, 1924.

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207,122. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ADOLPH SAURER, INC., New York, N. Y. Filed Sept. 23, 1925. Serial No. 220,682.

SAURER

*Particular description of goods.*—Truck and Passenger Automobiles, Automobile Wheels, Chassis, Radiators, Bodies, and Parts Thereof.
*Claims use* since Mar. 15, 1923.

## TRADE-MARK REGISTRATIONS RENEWED

45,643. PNEUMATIC TIRES. Registered August 22, 1905. CONTINENTAL CAOUTCHOUC COMPANY, New York, N. Y. Renewed August 22, 1925, to Continental-Caoutchouc- und Gutta-Percha Compagnie, Hannover, Hanover, Germany, a Corporation of Germany, assignee.

45,656. GLOVES. Registered August 29, 1905. FOWNES BROTHERS & CO., London, England, and New York, N. Y. Renewed August 29, 1925, to Fownes Brothers & Co., Inc., Gloversville, Amsterdam, and New York, N. Y., a Corporation of New York, assignee.

46,173. CIGARS. Registered September 12, 1905. ALLES & FISHER. Renewed September 12, 1925, to Alles & Fisher, Inc., Boston, Mass., a Corporation of Massachusetts, assignee.

46,595. INDIA-RUBBER TIRES, SOLID AND PNEUMATIC, AND INDIA-RUBBER COVER BANDAGES, REPAIR SHEETS, PLASTERS, AND PATCHES FOR SUCH TIRES. Registered September 26, 1905. CONTINENTAL CAOUTCHOUC COMPANY, New York, N. Y. Renewed September 26, 1925, to Continental Caoutchouc- und Gutta-Percha Compagnie, Hannover, Hanover, Germany, a Corporation of Germany, assignee.

46,719. VINEGAR. Registered October 3, 1905. RUSSELL M. HUGHES & CO., Louisville, Ky., a Corporation of New Jersey. Renewed October 3, 1925.

46,790. LEATHER BOOTS AND SHOES. Registered October 10, 1905. GEO. D. WITT SHOE CO. Renewed October 10, 1925, to Craddock-Terry Company, Lynchburg, Va., a Corporation of Virginia, successor.

46,983. LEATHER BOOTS AND SHOES. Registered October 17, 1905. GEO. D. WITT SHOE CO. Renewed October 17, 1925, to Craddock-Terry Company, Lynchburg, Va., a Corporation of Virginia, successor.

47,178. ADJUSTABLE SCREW WRENCHES. Registered October 31, 1905. COES WRENCH CO., Worcester, Mass., a Corporation of Massachusetts. Renewed October 31, 1925.

47,186. MACHINE KNIVES OR CUTTERS EMPLOYED IN FUR-CUTTING MACHINERY. Registered October 31, 1905. LORING COES & COMPANY, INC., Worcester, Mass., a Corporation of Massachusetts. Renewed October 31, 1925.

47,215. PERFUMERY, TOILET WATERS, EXTRACTS, AND COLOGNE. Registered October 31, 1905. D. R. BRADLEY & SON, New York, N. Y., a Corporation of New York. Renewed October 31, 1925.

47,263. READY TAR AND FELT ROOFING. Registered October 31, 1905. BARRETT MANUFACTURING COMPANY. Renewed October 31, 1925, to The Barrett Company, New York, N. Y., a Corporation of New Jersey, assignee.

47,349. RUBBER INSULATING COMPOUND. Registered October 31, 1905. THE OKONITE COMPANY, LIMITED, New York, N. Y. Renewed October 31, 1925, to The Okonite Company, Passaic, N. J., a Corporation of New Jersey, assignee.

47,361. JUNCTION BOXES FOR ELECTRICAL WIRING. Registered October 31, 1905. JOHN S. GLEASON, Jamaica Plain, Mass. Renewed October 31, 1925, to John S. Gleason, Boston, Mass.

47,437. CANOES. Registered November 7, 1905. JOHN H. RUSHTON. Renewed November 7, 1925, to Judd W. Rushton, Canton, N. Y., successor.

47,439. SHEETS AND BARS AND SHEATHING OF BRASS OR COPPER OR ALLOYS THEREOF. Registered November 7, 1905. TAUNTON-NEW BEDFORD COPPER COMPANY, New York, N. Y. Renewed November 7, 1925, to Taunton-New Bedford Copper Company, Taunton, Mass., a Corporation of Massachusetts.

47,496. CANNED VEGETABLES. Registered November 7, 1905. PORTLAND PACKING CO., Portland, Me. Renewed November 7, 1925.

47,527. TAPIOCA. Registered November 7, 1905. WILLIAM S. MCKINLEY. Renewed November 7, 1925, to Carrie A. McKinley, doing business as The Ceylon Spice Co., Philadelphia, Pa., assignee.

47,531. SUGAR. Registered November 7, 1905. POSTUM CEREAL CO., LIMITED, Battle Creek, Mich. Renewed November 7, 1925, to Postum Cereal Company, Incorporated, Battle Creek, Mich., and New York, N. Y., a Corporation of Delaware, assignee.

47,686. PIANOS AND PIANO PLAYERS. Registered November 14, 1905. THE AEOLIAN COMPANY, New York, N. Y., a Corporation of Connecticut. Renewed November 14, 1925.

47,765. PIANOS COMPRISING PNEUMATICALLY-CONTROLLED PLAYING MECHANISMS. Registered November 21, 1905. THE AEOLIAN COMPANY, New York, N. Y., a Corporation of Connecticut. Renewed November 21, 1925.

47,818. TILES. Registered November 21, 1905. BARRETT MANUFACTURING COMPANY. Renewed November 21, 1925, to The Barrett Company, New York, N. Y., a Corporation of New Jersey, assignee.

47,885. LOZENGES. Registered November 28, 1905. NEW ENGLAND CONFECTIONERY CO. Renewed November 28, 1925, to New England Confectionery Company, Boston, Mass., a Corporation of Massachusetts, assignee.

47,896. LEATHER BOOTS AND SHOES. Registered November 28, 1905. GEO. D. WITT SHOE CO. Renewed November 28, 1925, to Craddock-Terry Company, Lynchburg, Va., a Corporation of Virginia, successor.

47,968. SODA. Registered November 28, 1905. HULMAN & CO., Terre Haute, Ind., a Corporation of Indiana. Renewed November 28, 1925.

48,117. READY TAR AND FELT ROOFING. Registered December 12, 1905. BARRETT MANUFACTURING COMPANY. Renewed December 12, 1925, to The Barrett Company, New York, N. Y., a Corporation of New Jersey, assignee.

48,403. INCLOSED ELECTRIC FUSES. Registered December 26, 1905. THE JOHNS-PRATT CO., Hartford, Conn., a Corporation of Connecticut. Renewed December 26, 1925.

48,418. PROPRIETARY MEDICINES. Registered December 26, 1905. LUKE M. KAZUNAS. Renewed December 26, 1925, to Mrs. Regina Kazunas, administratrix under the will of Luke M. Kazunas, Shenandoah, Pa., assignee.

48,459. OLIVES. Registered January 2, 1906. CHARLES GULDEN. Renewed January 2, 1926, to Mawer-Gulden-Annis, Inc., New York, N. Y., a Corporation of New York, assignee.

48,477. LEATHER BOOTS AND SHOES. Registered January 2, 1906. GEO. D. WITT SHOE CO. Renewed January 2, 1926, to Craddock-Terry Company, Lynchburg, Va., a Corporation of Virginia, successor.

48,515. ADHESIVE TAPE OR CLOTH. Registered January 2, 1906. THE OKONITE COMPANY, LIMITED, New York, N. Y. Renewed January 2, 1926, to The Okonite Company, Passaic, N. J., a Corporation of New Jersey, assignee.

48,569. BITTER WINES. Registered January 2, 1906. JOSEPH TRINER. Renewed January 2, 1926, to Joseph Triner Company, Chicago, Ill., a Corporation of Illinois, successor.

48,742. PAPERS PREPARED WITH MOISTURE-RESISTANT SUBSTANCES. Registered January 9, 1906. THE STANDARD PAINT COMPANY. Renewed January 9, 1926, to The Ruberoid Co., New York, N. Y., a Corporation of New Jersey, assignee.

48,831. SEEDS. Registered January 16, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed January 16, 1926.

48,952. STOVES, FURNACES, AND RANGES. Registered January 16, 1906. THE FAVORITE STOVE & RANGE CO., Piqua, Ohio, a Corporation of Ohio. Renewed January 16, 1926.

49,029. PORTLAND CEMENT. Registered January 23, 1906. DEXTER PORTLAND CEMENT COMPANY, Nazareth, Pa., a Corporation of Pennsylvania. Renewed January 23, 1926.

49,034. INCANDESCENT ELECTRIC LAMPS. Registered January 23, 1906. THE COLUMBIA INCANDESCENT LAMP CO., St. Louis, Mo. Renewed January 23, 1926, to General Electric Company, Schenectady, N. Y., a Corporation of New York, assignee.

49,050. OUTER SHIRTS AND DRESS SHIRTS. Registered January 23, 1906. CLUETT, PEABODY & CO. Renewed January 23, 1926, to Cluett, Peabody & Co., Inc., Troy, N. Y., a Corporation of New York, assignee.

49,130. ART LITHOGRAPHS. Registered January 23, 1906. RAPHAEL TUCK AND SONS CO. LTD., New York, N. Y., a Corporation of New York. Renewed January 23, 1926.

49,174. BOND PAPER. Registered January 23, 1906. W. E. WROE & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed January 23, 1926.

49,213. KITCHEN CABINETS. Registered January 30, 1906. CHARLES P. MCDOUGALL, Indianapolis, Ind. Renewed January 30, 1926, to McDougall Company, Frankfort, Ind., a Corporation of Indiana, assignee.

49,238. PORTLAND CEMENT. Registered January 30, 1906. LEHIGH PORTLAND CEMENT CO., Ormrod and Allentown, Pa. Renewed January 30, 1926, to Lehigh Portland Cement Co., Allentown, Pa., a Corporation of Pennsylvania.



49,243. BLOTTING PAPER. Registered January 30, 1906. THE EATON-DIKEMAN CO., Lee, Mass., a Corporation of Massachusetts. Renewed January 30, 1926.

49,299. URIC-ACID SOLVENT. Registered January 30, 1906. THE DR. HASKINS CO., Toledo, Ohio, a Corporation of Ohio. Renewed January 30, 1926.

49,369. MACARONI, SPAGHETTI, AND VERMICELLI. Registered January 30, 1906. WOODCOCK MACARONI COMPANY, Rochester, N. Y. Renewed January 30, 1926, to The Foulds Company, New York, N. Y., a Corporation of Maine, assignee.

49,371. BONE PHOSPHATE. Registered February 6, 1906. BAUGH & SONS COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed February 6, 1926.

49,479. CANVAS, STITCHED, AND BALATA BELTING. Registered February 6, 1906. NEW YORK LEATHER BELTING CO. Renewed February 6, 1926, to Victor Balata & Textile Belting Co., New York, N. Y., a Corporation of Pennsylvania, assignee.

49,590. HAMMERS. Registered February 13, 1906. ARTHUR R. ROBERTSON, Boston, Mass. Renewed February 13, 1926, to Arthur R. Robertson, Cambridge and Boston, Mass.

49,640. CATTLE FEED CONSISTING OF GROUND CORN AND OATS. Registered February 13, 1906. DOCK & COAL CO., Plattsburg, N. Y. Renewed February 13, 1926.

49,646. A CLEANSING OR SCOURING COMPOUND. Registered February 13, 1906. ENOCH MORGAN'S SONS COMPANY, New York, N. Y., a Corporation of New York. Renewed February 13, 1926.

49,741. GLASS ELECTRIC GLOBES AND GLASS SHADES. Registered February 13, 1906. THE PHOENIX GLASS CO., Pittsburgh, Pa., a Corporation of West Virginia. Renewed February 13, 1926.

49,786. HOOKS AND EYES. Registered February 13, 1906. THE UNIQUE MANUFACTURING COMPANY. Renewed February 13, 1926, to The Star Pin Company, Shelton, Conn., a Corporation of Connecticut, successor.

49,787. HOOKS AND EYES. Registered February 13, 1906. THE UNIQUE MANUFACTURING COMPANY. Renewed February 13, 1926, to The Star Pin Company, Shelton, Conn., a Corporation of Connecticut, successor.

49,811. LEATHER AND CANVAS BOOTS AND SHOES. Registered February 20, 1906. GEO. E. KEITH COMPANY, Brockton, Mass., a Corporation of Massachusetts. Renewed February 20, 1926.

49,834. CERTAIN NAMED SEEDS. Registered February 20, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed February 20, 1926.

49,835. CERTAIN NAMED SEEDS. Registered February 20, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed February 20, 1926.

49,836. CERTAIN NAMED SEEDS. Registered February 20, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed February 20, 1926.

49,837. CERTAIN NAMED SEEDS. Registered February 20, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed February 20, 1926.

49,838. CERTAIN NAMED SEEDS. Registered February 20, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed February 20, 1926.

49,944. LIQUID PAINT FOR METALLIC ROOFS. Registered February 27, 1906. LEWIS C. BROWN, New York, N. Y. Renewed February 27, 1926, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee by mesne assignments.

50,042. CHOCOLATE CONFECTIONS AND BONBONS. Registered February 27, 1906. H. D. FOSS AND CO. INCORPORATED, Boston, Mass. Renewed February 27, 1926, to H. D. Foss & Co., Incorporated, Cambridge, Mass., a Corporation of Massachusetts, assignee.

50,122. BRAKE SHOES. Registered March 6, 1906. AMERICAN BRAKE SHOE & FOUNDRY COMPANY, New York, N. Y. Renewed March 6, 1926, to The American Brake Shoe and Foundry Company, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

50,209. SOLE LEATHER. Registered March 6, 1906. S. H. FRANK & CO., San Francisco, Calif. Renewed March 6, 1926, to S. H. Frank & Co., San Francisco and Redwood City, Calif., a Corporation of California.

50,213. GLOVES AND MITTENS. Registered March 6, 1906. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed March 6, 1926.

50,249. POP CORN. Registered March 6, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed March 6, 1926.

50,274. AUTOMATIC FIRE-EXTINGUISHING APPARATUS. Registered March 6, 1906. INTERNATIONAL SPRINKLER CO., Philadelphia, Pa. Renewed March 6, 1926, to Ohio Automatic Sprinkler Company, Youngstown, Ohio, a Corporation of Ohio, assignee.

50,379. STOVE POLISHES AND STOVE VARNISHES. Registered March 13, 1906. JOHN M. WOLF COMPANY, Brooklyn, N. Y., a Corporation of New York. Renewed March 13, 1926.

50,383. BORAX SOAP. Registered March 13, 1906. PACIFIC COAST BORAX COMPANY, San Francisco, Calif. Renewed March 13, 1926, to Pacific Coast Borax Company, New York, N. Y.; Chicago, Ill.; and Oakland, Calif., a Corporation of Nevada, assignee.

50,555. BORAX SOAP. Registered March 20, 1906. PACIFIC COAST BORAX COMPANY, San Francisco, Calif. Renewed March 20, 1926, to Pacific Coast Borax Company, New York, N. Y.; Chicago, Ill.; and Oakland, Calif., a Corporation of Nevada, assignee.

50,779. SHIRTS, COLLARS, AND CUFFS. Registered March 27, 1906. CLUETT, PEABODY & CO. Renewed March 27, 1926, to Cluett, Peabody & Co., Inc., Troy, N. Y., a Corporation of New York, assignee.

50,812. BASEBALL BATS. Registered April 3, 1906. J. F. HILLERICH & SON. Renewed April 3, 1926, to Hillerich & Bradsby Co., Louisville, Ky., a Corporation of Kentucky, assignee.

50,865. CANDIES AND CHOCOLATES OF ALL KINDS. Registered April 3, 1906. STEPHEN F. WHITMAN & SON. Renewed April 3, 1926, to Stephen F. Whitman & Son, Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

50,866. CANDIES AND CHOCOLATES OF ALL DESCRIPTIONS. Registered April 3, 1906. STEPHEN F. WHITMAN & SON. Renewed April 3, 1926, to Stephen F. Whitman & Son, Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

50,877. PORTLAND CEMENT. Registered April 3, 1906. KANSAS PORTLAND CEMENT CO., Iola, Kans. Renewed April 3, 1926, to The Kansas Portland Cement Company, Kansas City, Mo., a Corporation of Kansas, assignee.

50,918. WASHING BLUE. Registered April 3, 1906. THE SAWYER CRYSTAL BLUE COMPANY. Renewed April 3, 1926, to Sawyer Crystal Blue Company, Boston, Mass., a Corporation of Massachusetts, assignee.

50,919. FLEXIBLE WATERPROOF FABRIC. Registered April 3, 1906. THE STANDARD PAINT COMPANY. Renewed April 3, 1926, to The Ruberoid Co., New York, N. Y., a Corporation of New Jersey, assignee.

50,931. PHOTOGRAPHIC DRY PLATES. Registered April 3, 1906. HAMMER DRY PLATE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed April 3, 1926.

50,982. HOSIERY. Registered April 3, 1906. MARIETTA KNITTING CO., Marietta, Ga., a Corporation of Georgia. Renewed April 3, 1926.

51,025. POWDERED LAUNDRY STARCH. Registered April 3, 1906. FAULTLESS STARCH CO., Kansas City, Mo., a Corporation of Missouri. Renewed April 3, 1926.

51,051. LARD AND LARD COMPOUNDS. Registered April 3, 1906. Swift and Company, Chicago, Ill., a Corporation of Illinois. Renewed April 3, 1926.

51,056. SELF-RISING FLOUR. Registered April 3, 1906. THE DAVIS MILLING COMP. Renewed April 3, 1926, to Aunt Jemima Mills Company, St. Joseph, Mo., a Corporation of Delaware, assignee.

51,085. CARPETS. Registered April 3, 1906. MORRIS AND COMPANY, Yardville, N. J. Renewed April 3, 1926, to Morris & Company, Inc., Groveville, N. J., a Corporation of New Jersey, assignee.

51,183. WRITING PAPER. Registered April 10, 1906. CHAPIN & GOULD PAPER CO., Springfield, Mass., a Corporation of Massachusetts. Renewed April 10, 1926.

51,210. CERTAIN NAMED TOOLS. Registered April 10, 1906. THE ARMSTRONG MFG. CO., Bridgeport, Conn., a Corporation of Connecticut. Renewed April 10, 1926.

51,314. A MEDICINAL PREPARATION. Registered April 10, 1906. CALEB D. BRADHAM, New Bern, N. C. Renewed April 10, 1926.

51,419. LEATHER AND RUBBER CEMENT. Registered April 17, 1906. ECLIPSE CEMENT & BLACKING CO. Renewed April 17, 1926, to Puritan Cement and Blacking Company, Philadelphia, Pa., a Corporation of Pennsylvania, successor.

51,448. MINERAL SPRING WATER. Registered April 17, 1906. THE MOUNTAIN VALLEY SPRINGS COMPANY, Mountain Valley Springs, Ark., a Corporation of Arkansas. Renewed April 17, 1926.

51,455. WASHING BLUE. Registered April 17, 1906. THE SAWYER CRYSTAL BLUE COMPANY. Renewed April 17, 1926, to Sawyer Crystal Blue Company, Boston, Mass., a Corporation of Massachusetts, assignee.

51,496. LEATHER AND CANVAS BOOTS AND SHOES. Registered April 17, 1906. GEO. E. KEITH COMPANY, Brockton, Mass., a Corporation of Massachusetts. Renewed April 17, 1926.

51,695. DOLLS. Registered April 24, 1906. ABRAHAM & STRAUS. Renewed April 24, 1926, to Abraham & Straus, Inc., Brooklyn, N. Y., a Corporation of New York, assignee.

51,762. BLOTTING PAPER. Registered April 24, 1906. THE EATON-DIKEMAN CO., Lee, Mass., a Corporation of Massachusetts. Renewed April 24, 1926.

51,799. FURNACES. Registered April 24, 1906. THE LENNOX FURNACE CO., Marshalltown, Iowa, a Corporation of Iowa. Renewed April 24, 1926.

51,855. GINGER ALE. Registered April 24, 1906. THE WHITE ROCK MIN. SPG. CO., Waukesha, Wis. Renewed April 24, 1926, to White Rock Mineral Springs Company, Waukesha, Wis., and New York, N. Y., a Corporation of Wisconsin, assignee.

52,548. FIRE BRICKS FOR LINING STOVES AND FURNACES. Registered May 15, 1906. STEPHEN D. HORTON. Renewed May 15, 1926, to The Peekskill Fire Brick Works Inc., Peekskill, N. Y., a Corporation of New York, assignee.

# LABELS

## REGISTERED DECEMBER 15, 1925.

29,629.—*Title:* WONDER GAS. For a Compound Used in Producing Greater Utility in Automobile Gases. ABE ALLEN, Youngstown, Ohio. Published June 9, 1925.

29,630.—*Title:* LA FETE. For Cigars. AMERICAN BEAUTI CIGAR CO., Toronto, Ohio. Published October 2, 1925.

29,631.—*Title:* THE READMORE LENDING LIBRARY. For Bookcases, Book Racks, Grouped Book Shelves and Cases, Racks, Receptacles, and Groups of Shelves Filled with Books. THE AMERICAN NEWS COMPANY, INC., New York, N. Y. Published January 2, 1925.

29,632.—*Title:* HILLVIEW HONEY. For Extracted Honey. C. RICHARD ANDERSON, Northfield, Minn. Published September 15, 1925.

29,633.—*Title:* MULSOLAX. For Mulsolax, a Medicinal Preparation. MYRON A. BARBER, Petoskey, Mich. Published November 18, 1924.

29,634.—*Title:* VUPACK CONTAINER. For a Container for Mailing Post Cards, Pictures, and Like Articles. J. C. BARDELL, doing business as Bardell Art Printing Co., San Francisco, Calif. Published September 2, 1925.

29,635.—*Title:* PIK-PIK. For Ice Picks. FLETCHER WORKS, INCORPORATED, Philadelphia, Pa. Published August 19, 1925.

29,636.—*Title:* FLORIAN. For Tooth Paste. FLORIAN INC., Des Moines, Iowa. Published May 22, 1925.

29,637.—*Title:* FOR HOME AND FARM. For Pump and Water Systems. FORT WAYNE ENGINEERING & MANUFACTURING COMPANY, Fort Wayne, Ind. Published September 23, 1925.

29,638.—*Title:* DROMEDARY GOLDEN DATES PITTED. For Dates. THE HILLS BROTHERS COMPANY, New York, N. Y. Published September 29, 1925.

29,639.—*Title:* SKEETER-SKATTER. For Mosquito Incense (Sticks). KARNAK STUDIOS, Madison, Wis. Published April 20, 1924.

29,640.—*Title:* MALABAR CANDLES. For Candles. REBA B. LAWRENCE, Brookline, Mass. Published October 5, 1925.

29,641.—*Title:* LINA CAVALIERI. For Cosmetics. JACOB MAYER, New York, N. Y. Published October 1, 1925.

29,642.—*Title:* ISABEY. For Perfume. JACOB MAYER, New York, N. Y. Published October 1, 1925.

29,643.—*Title:* CHU'S HERBALIK FOR RHEUMATISM AND SYPHILIS (WRITTEN IN CHINESE). For a Liquid Compound for the Treatment of Rheumatism and Syphilis. NG GEE HERB CO., San Francisco, Calif. Published July 1, 1925.

29,644.—*Title:* THE OLD DOMINION QUOITS SET. For a Game. OLD DOMINION IRON & STEEL CORP., Richmond, Va. Published July 20, 1925.

29,645.—*Title:* NO. 110 APPLIANCE CORD SWITCH. For Appliance Cord Switches. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,646.—*Title:* SAND'S. For Spirit Levels. SAND'S LEVEL & TOOL CO., Detroit, Mich. Published October 1, 1925.

29,647.—*Title:* WIFCO SUPER MORTAR. For Mortar. THE WELLSTON IRON FURNACE CO., Jackson, Ohio. Published July 18, 1925.

# PRINTS

## REGISTERED DECEMBER 15, 1925.

8,456.—*Title:* TEACHERS! SEND FOR WALL CHART ON CHILDREN'S DIET—FREE. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published October 31, 1925.

8,457.—*Title:* BABY RUTH. For Candy. CURTISS CANDY COMPANY, Chicago, Ill. Published October 2, 1925.

8,458.—*Title:* PYRAMID PEDALS. For Extension Foot Pedals for Automobiles. METAL PRODUCTS COMPANY, Des Moines, Iowa. Published September 12, 1925.

8,459.—*Title:* THE "BLIND MAN" QUALITY WINDOW SHADES. For Window Shades and Blinds. WILLIAM A. RAPP & CO., Sacramento, Calif. Published October 17, 1925.

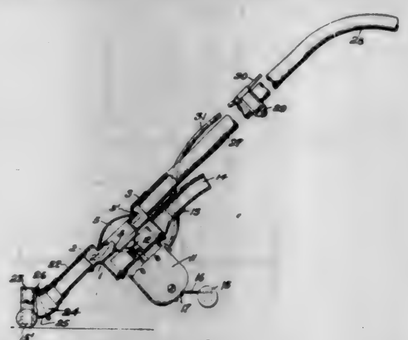
8,460.—*Title:* NO. 110 A CONVENIENCE SWITCH FOR EVERY CORD. For a Convenience Switch. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

8,461.—*Title:* HONEY CREME CAKE. For Cake. EMILY WEST, Los Angeles, Calif. Published April 13, 1925.

# REISSUES

## DECEMBER 15, 1925.

16,224. PNEUMATIC CLEANER. DANIEL B. REPLOGLE, Berkeley, Calif. Filed Oct. 22, 1921. Serial No. 509,710. Original No. 1,345,550, dated July 6, 1920, Serial No. 101,695, filed June 5, 1916. 15 Claims. (Cl. 15—16.)



1. In a manually portable vacuum cleaner, the combination with a member having tubular socket conduit arms carrying vacuum producing means, of a plurality of suction pipes operably connected to said arms, and adapted to connect with suction tools at their outer ends.

11. A suction cleaner casing, in combination with a fan and motor, their common axes downwardly and rearwardly inclined.

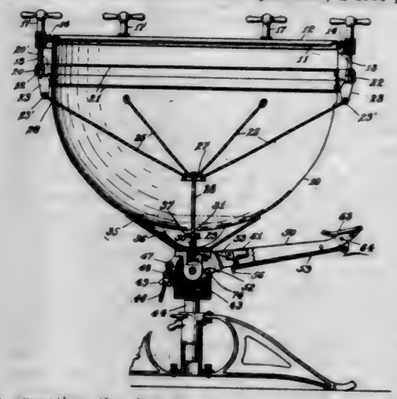
16,225. PROCESS OF MAKING MATERIAL FOR FILTERING AND DECOLORIZING. PHILIP L. WOOSTER, deceased, late of Manhasset, N. Y., by Lillian D. Wooster, administratrix, Manhasset, N. Y. Filed Aug. 5, 1925. Serial No. 48,431. Original No. 1,518,289, dated Dec. 9, 1924, Serial No. 337,854, filed Nov. 13, 1919. 18 Claims. (Cl. 252—2.)

1. The process of making a filtering and decolorizing agent which consists of boiling green bone, heating it to redness, allowing it to cool in a closed receptacle in such proximity to a hydrocarbon as to effect the deposition of carbon particles in the pores of the bone, subjecting the resulting product to the action of a re-agent that will reduce a substantial part of the inorganic constituents to a condition whereby they may be dissolved or washed free from the structure, washing the residue from the structure, grinding it and subjecting it to vapor arising from the incomplete combustion of a hydrocarbon.

16,226. TYMPANO. CECIL H. STRUPE, Indianapolis, Ind., assignor to Leedy Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed June 27, 1924. Serial No. 722,875. Original No. 1,469,197, dated Sept. 25, 1923, Serial No. 544,169, filed Mar. 6, 1922. 30 Claims. (Cl. 84—419.)

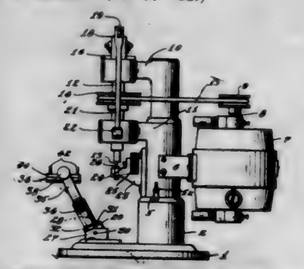
27. In a tympano, the combination of the kettle provided with a vibratile head, a plurality of circumferentially-spaced tuning pins associated with said head by a laterally flexible connection, a plurality of circumferentially-spaced levers fulcrumed upon the kettle and each operatively connected to a tuning pin, a plurality of actuators connected one to each lever, and projected into the interior of the kettle, and a primary actuator connected to all of said actuators within the kettle.

30. In a tympano, the combination of a kettle with its vibratile head, and tuning means by which the pitch of said head may be varied, said tuning means comprising a foot lever, retaining means for retaining said lever in any desired position of adjustment, a foot piece



for operating the foot lever, connections between the foot piece and retaining means, and a movable mounting for the foot piece on the foot lever which permits the operation of said connections to project and retract the retaining means independently of the force applied to said foot piece in manipulating the foot lever.

16,227. LENS-DRILLING MACHINE. EDWARD W. CLARKE, Silver Creek, N. Y., assignor to American Optical Company, Southbridge, Mass. Filed July 9, 1923. Serial No. 650,477. Original No. 1,447,761, dated Mar. 6, 1923, Serial No. 393,518, filed July 2, 1920. 6 Claims. (Cl. 77—63.)

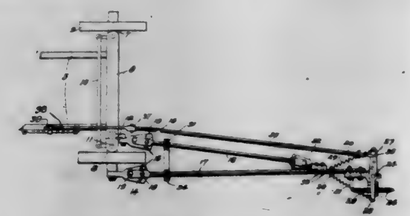


1. In combination with the base, frame, and rotatable spindle of a lens drilling machine, a lens holder pivoted to the base and adapted to present one surface of the lens to the drill, and means for subsequently turning the lens holder to present the opposite surface of the lens to the drill.

16,228. STEERING DEVICE. ADOLPH A. RIETZKE, Valley Park, Mo., assignor of one-half to Henry Cornelsen, Texhoma, Okla. Filed June 16, 1922. Serial No. 568,880. Original No. 1,403,708, dated Jan. 17, 1922, Serial No. 497,593, filed Sept. 1, 1921. 8 Claims. (Cl. 97—49.)

1. In combination with one of the stub axles and steering wheels of a tractor, a guide wheel in advance of the

steering wheels, spaced adjusting blocks in cooperative relation with said stub axle and rods connecting the guide wheel with said adjusting blocks, said rods capable of being adjusted to different positions with relation to each other.

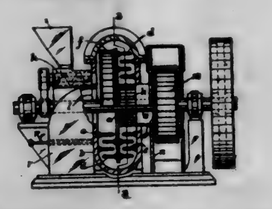


3. In a steering gear for tractors, an axle, steering wheels, stub axles for the steering wheels pivotally connected to said axle, adjusting blocks secured to one of said stub axles in spaced relation to each other, a guide wheel in advance of the steering wheels, a rod connecting said guide wheel with one of the adjusting blocks and a second rod connected to each first mentioned rod and to the other of said adjusting blocks, said rods capable of being adjusted to different angles with relation to each other.

5. In a steering device for tractors, in combination with the steering wheels and their stub axles, adjusting blocks carried by the outer and inner ends of one of the stub axles, a guide wheel in advance of the steering wheels, rods connecting said guide wheel with one of the steering wheel stub axles through the medium of the adjusting blocks and means to permit lateral adjustment of the rods with relation to each other.

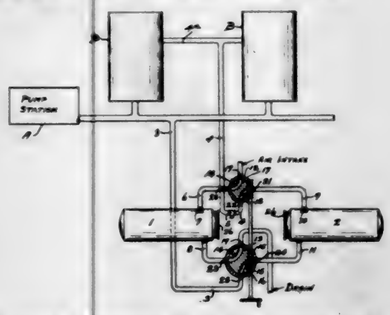
8. In combination with the stub axles and steering wheels of a tractor, an automatic steering device including adjusting blocks provided with curved slots carried by the outer and inner ends of one of the stub axles, a rod having one end thereof pivotally connected to one of the blocks, and having a bolt extending through the slot thereof to permit of the rod being set at different adjusted positions with respect thereto, an angularly disposed rod having connection with the other block and having a bolt extending through the slot thereof to permit of the rod being set at different adjusted positions with respect thereto, means for adjustably connecting the angularly disposed rod to the first mentioned rod, a steering wheel pivotally supported at the outer end of the first mentioned rod, and means for adjusting the steering wheel to various angles.

16,229. MACHINE FOR THE PRODUCTION OF POWDERED FUEL. CHARLES EDWARD BLYTH, Dunchurch, near Rugby, England. Filed Dec. 9, 1924. Serial No. 754,864. Original No. 1,446,151, dated Feb. 20, 1923. Serial No. 462,270, filed Apr. 18, 1921. 15 Claims. (Cl. 83—11.)



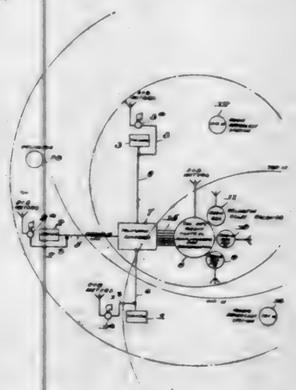
1. A pulverizing device comprising a stationary casing having a feeding and discharge opening on opposite sides, a disk rotatably mounted in said casing between said openings and having impellers on its opposite sides, beaters secured on the side walls of said casing intermeshing with said disk impellers, fan blades secured to the inlet side of said disk adjacent its rim, and blades secured to said disk on the opposite side thereof from said fan blades forming a conduit for the fines.

16,230. COMPRESSOR. ADOLF ROSZKOWSKI, New York, N. Y., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed June 27, 1923. Serial No. 648,115. Original No. 1,383,860, dated July 5, 1921, Serial No. 357,485, filed Feb. 9, 1920. 14 Claims. (Cl. 137—79.)




3. An air compressor for a water system using compressed air as a motive power, comprising two tanks, arranged to have a water head from the system, a valve for connecting each tank either with the water head from the system and the compressed air service, or with the atmosphere at will.

16,231. RADIOPHONE SYSTEM. EDWARD E. CLEMENT, Washington, D. C., assignor to Edward F. Colladay, Washington, D. C. Filed July 7, 1925. Serial No. 42,100. Original application filed Aug. 14, 1922, Serial No. 581,829. Renewed July 22, 1924. Original No. 1,522,357, dated Jan. 6, 1925. 58 Claims. (Cl. 250—6.)



53. The method of regional broadcast distribution which consists in transmitting waves in common to a plurality of subscribers in a given area and returning coordinated waves derived from said transmitted waves individually from receiving points to the transmitting point.

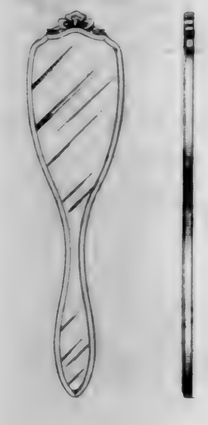
# DESIGNS

## DECEMBER 15, 1925.

69,005. MIRROR OR SIMILAR TOILET ARTICLE. WILLIAM S. BECHTOLD, Newark, N. J. Filed June 2, 1925. Serial No. 13,634. Term of patent 7 years.

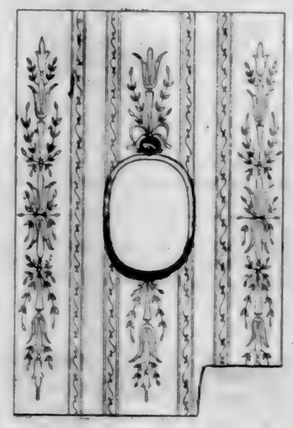
The ornamental design for a mirror or similar toilet article, as shown.

69,006. MIRROR OR SIMILAR TOILET ARTICLE. WILLIAM S. BECHTOLD, Newark, N. J. Filed June 2, 1925. Serial No. 13,636. Term of patent 7 years.



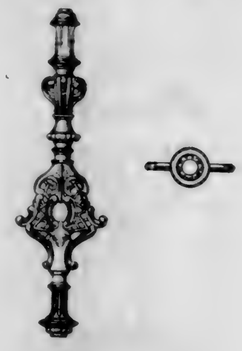
The ornamental design for a mirror or similar toilet article, as shown.

69,007. PHOTOGRAPH MOUNTING. JOHN ANTHONY BILL, Cincinnati, and CHARLES L. LEWIS, Toledo, Ohio. Filed July 27, 1925. Serial No. 14,230. Term of patent 3½ years.



The ornamental design for a photograph mounting as shown.

69,008. SPINDLE FOR LIGHTING FIXTURES. WILLIAM BLOCK, Chicago, Ill. Filed Oct. 15, 1925. Serial No. 15,130. Term of patent 3½ years.

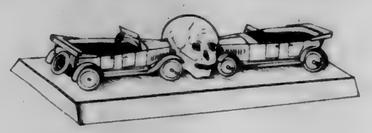


The ornamental design for a spindle for lighting fixtures substantially as shown.

69,009. LAMP BASE. WILLIAM BLOCK, Chicago, Ill. Filed Oct. 15, 1925. Serial No. 15,135. Term of patent 3½ years.

The ornamental design for a lamp base as shown.

69,010. COMBINED PAPER WEIGHT AND INKWELL. FRANK T. CORTESE, Brooklyn, N. Y. Filed Aug. 31, 1925. Serial No. 14,666. Term of patent 7 years.



The ornamental design for a combined paper weight and ink well, as shown.

69,011. GOBLET. LOUIS CRUVEILHER, New York, N. Y., assignor to Societe Anonyme des Cristalleries du Val St. Lambert, Val St. Lambert, Belgium. Filed Aug. 26, 1925. Serial No. 14,603. Term of patent 14 years.

The ornamental design for a goblet as shown.

69,012. FINGER RING. SAMUEL DALIN, West Allis, Wis. Filed Aug. 9, 1923. Serial No. 6,988. Term of patent 7 years.

The ornamental design for a finger ring, substantially as shown.

69,013. FOB OR SIMILAR ARTICLE. LYMAN KENT DAVIS, Springfield, Ill. Filed May 4, 1925. Serial No. 13,310. Term of patent 14 years.

The ornamental design for a fob or similar article, as shown.

69,014. ELECTRICAL BRACKET FIXTURE. VICTOR R. DESPARD, Valparaiso, Ind. Filed Oct. 16, 1925. Serial No. 15,153. Term of patent 14 years.



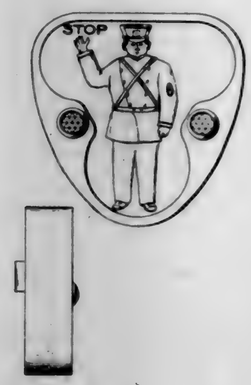
The ornamental design for an electrical bracket fixture, as shown.

69,015. LIGHTING FIXTURE. EUGEN JULIUS DIETZMANN, Los Angeles, Calif. Filed Jan. 12, 1925. Serial No. 12,021. Term of patent 14 years.

The ornamental design for a lighting fixture as shown.



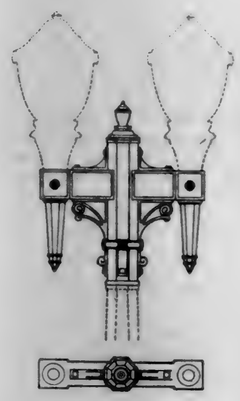
69,016. STOPLIGHT. ALBERT E. DONLEY, Providence, R. I. Filed July 15, 1925. Serial No. 14,109. Term of patent 7 years.




The ornamental design for a stoplight as shown.

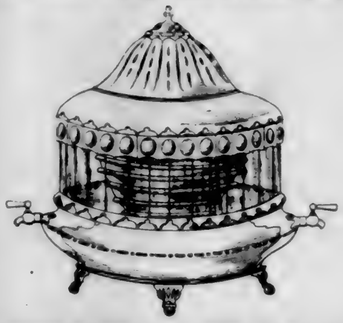
69,017. [WITHDRAWN.]

69,018. HEAD FOR STREET-LAMP STANDARDS. CHARLES HANSEN, Davenport, Iowa, assignor to Davenport Machine and Foundry Company, Davenport, Iowa, a Corporation of Iowa. Filed Aug. 24, 1925. Serial No. 14,569. Term of patent 14 years.



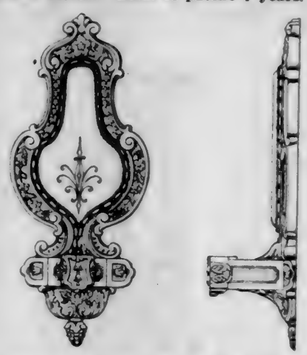
The ornamental design for a head for street lamp standards as shown.

69,019. CHILLING BOWL. HARRY W. HIBBARD, Cleveland, Ohio, assignor to The Frost Chill Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 14, 1924. Serial No. 9,276. Term of patent 14 years.



The ornamental design for a chilling bowl as shown.

69,020. BRACKET FOR LIGHTING FIXTURES. WILLIAM JAEGER, Philadelphia, Pa. Filed Sept. 10, 1924. Serial No. 10,731. Term of patent 7 years.

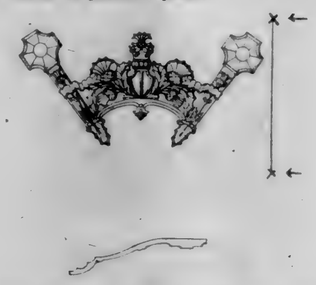


The ornamental design for a bracket for lighting fixtures substantially as shown.

69,021. LIGHTING FIXTURE. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,858. Term of patent 7 years.

The ornamental design for a lighting fixture, as shown.

69,022. SEGMENTAL PORTION FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,859. Term of patent 7 years.



The ornamental design for a segmental portion for lighting fixtures as shown.

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69,023. LIGHTING FIXTURE. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,860. Term of patent 7 years.

The ornamental design for a lighting fixture, as shown.

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69,024. BOBECHE FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,861. Term of patent 7 years.

The ornamental design for a bobeche for lighting fixtures, as shown.

69,025. LIGHTING-FIXTURE BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,862. Term of patent 7 years.

The ornamental design for a lighting fixture bracket, as shown.

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69,026. BACKPLATE FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,863. Term of patent 7 years.

The ornamental design for a backplate for lighting fixtures, as shown.

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69,027. LIGHTING-FIXTURE BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,864. Term of patent 7 years.

The ornamental design for a lighting fixture bracket as shown.



69,028. BACKPLATE FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,865. Term of patent 7 years.

The ornamental design for a backplate for lighting fixtures as shown.

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69,029. LIGHTING-FIXTURE BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,866. Term of patent 7 years.

The ornamental design for a lighting fixture bracket as shown.

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69,030. BACKPLATE FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,867. Term of patent 7 years.

The ornamental design for a backplate for lighting fixtures, as shown.

69,031. LIGHTING-FIXTURE BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,868. Term of patent 7 years.

The ornamental design for a lighting fixture bracket, as shown.

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69,032. BACKPLATE FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,869. Term of patent 7 years.

The ornamental design for a backplate for lighting fixtures, as shown.

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69,033. LIGHTING-FIXTURE BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,870. Term of patent 7 years.

The ornamental design for a lighting fixture bracket, as shown.

69,034. LIGHTING FIXTURE. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,871. Term of patent 7 years.

The ornamental design for lighting fixture, as shown.

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69,035. CEILING LIGHT. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,872. Term of patent 7 years.

The ornamental design for a ceiling light, as shown.

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69,036. LIGHTING FIXTURE. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,873. Term of patent 7 years.

The ornamental design for a lighting fixture, as shown.

69,037. CEILING LIGHT. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,874. Term of patent 7 years.

The ornamental design for a ceiling light, as shown

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69,038. TABLE LAMP. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,875. Term of patent 7 years.

The ornamental design for a table lamp, as shown.

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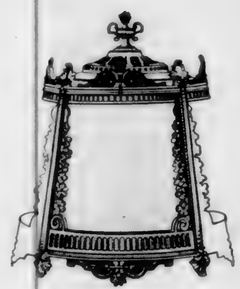
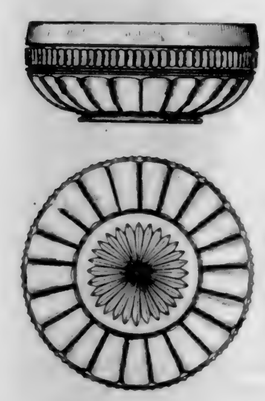
69,039. FRAME FOR LAMP SHADES OR SIMILAR ARTICLES. NORMAN LIPSKY, New York, N. Y., assignor to Sun Rise Lamp Mfg. Co. Inc., a Corporation of New York. Filed Aug. 19, 1925. Serial No. 14,513 Term of patent 3½ years.



The ornamental design for a frame for lamp shades, or similar articles substantially as shown and described.



69,040. DISH OR SIMILAR ARTICLE. VIRGIL LOOMIS, Pittsburgh, Pa., assignor to United States Glass Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 1, 1924. Serial No. 11,265. Term of patent 7 years.



The ornamental design for a dish or similar article, substantially as shown.

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69,041. EMBROIDERED LACE. ENEE MEDA, New York, N. Y., assignor to Blanck & Co., Inc., New York, N. Y. Filed June 12, 1925. Serial No. 13,750. Term of patent 3½ years.

The ornamental design for embroidered lace, as shown.

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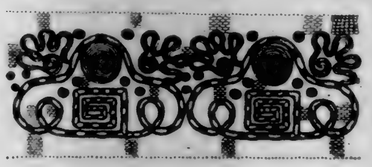
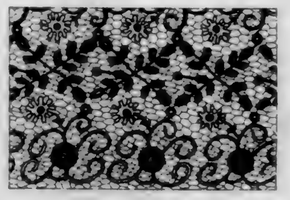
69,042. EMBROIDERED LACE. ENEE MEDA, New York, N. Y., assignor to Blanck & Co., Inc., New York, N. Y. Filed June 18, 1925. Serial No. 13,815. Term of patent 3½ years.



The ornamental design for embroidered lace, as shown.

69,043. LACE. ENEE MEDA, New York, N. Y. Filed Oct. 10, 1925. Serial No. 15,089. Term of patent 3½ years.



The ornamental design for lace, substantially as shown.

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69,044. ELECTRIC LAMP. CHARLES F. MULVIHILL, New York, N. Y. Filed Mar. 10, 1925. Serial No. 12,673. Term of patent 14 years.

The ornamental design for an electric lamp, substantially as shown.

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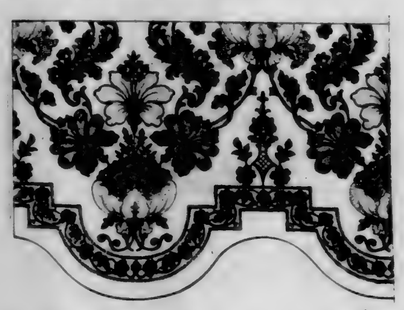
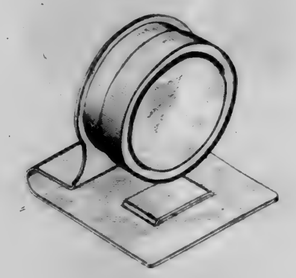
69,045. VALANCE FOR WINDOW DRAPERIES. ROBERT J. MURRAY, Philadelpia, Pa., assignor to Francis A. Bruner, Inc., Philadelphia, Pa., a Corporation of New Jersey. Filed Oct. 2, 1925. Serial No. 14,996. Term of patent 7 years.



The ornamental design for a valance for window draperies, substantially as shown and described.

69,046. THERMOMETER STAND. HARRY Y. NORWOOD, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Mar. 20, 1922. Serial No. 1,263. Term of patent 14 years.

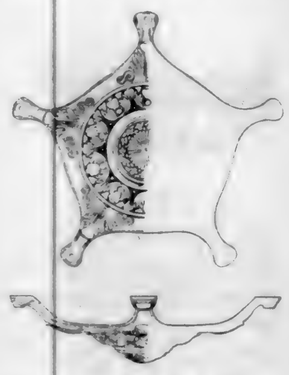


The ornamental design for a thermometer stand, as shown.

69,047. CHANDELIER. MIROSLAV PILNY, Astoria, N. Y., assignor to Metropolitan-Columbia Mfg. Co. Inc., a Corporation of New York. Filed July 30, 1925. Serial No. 14,275. Term of patent 3½ years.

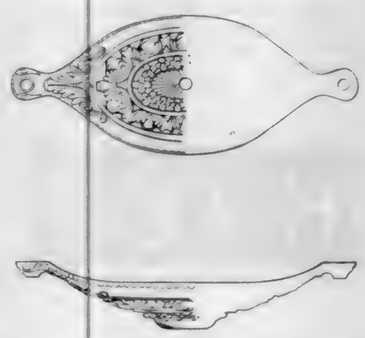
The ornamental design for a chandelier, substantially as shown.

69,048. LIGHTING-FIXTURE PART. MIROSLAV PILNY, Astoria, N. Y., assignor to Metropolitan-Columbia Mfg. Co. Inc., a Corporation of New York. Filed July 30, 1925. Serial No. 14,276. Term of patent 3½ years.



The ornamental design for a lighting fixture part, substantially as shown and described.

69,049. LIGHTING-FIXTURE PART. MIROSLAV PILNY, Astoria, N. Y., assignor to Metropolitan-Columbia Mfg. Co. Inc., a Corporation of New York. Filed July 30, 1925. Serial No. 14,277. Term of patent 3½ years.



The ornamental design for a lighting fixture part, substantially as shown and described.

69,050. CANOPY FOR LIGHTING FIXTURES. MIROSLAV PILNY, Astoria, N. Y., assignor to Metropolitan-Columbia Mfg. Co. Inc., a Corporation of New York. Filed July 30, 1925. Serial No. 14,278. Term of patent 3½ years.

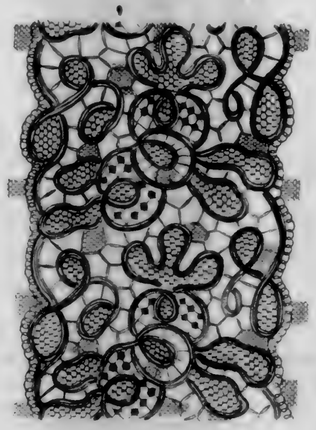
The ornamental design for a canopy for lighting fixtures, substantially as shown and described.



69,051. ARM FOR LIGHTING FIXTURES. MIROSLAV PILNY, Astoria, N. Y., assignor to Metropolitan-Columbia Mfg. Co. Inc., a Corporation of New York. Filed July 30, 1925. Serial No. 14,279. Term of patent 3½ years.

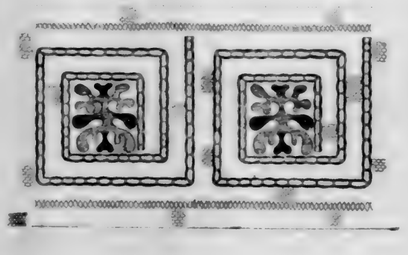
The ornamental design for an arm for lighting fixtures, substantially as shown.

69,052. EMBROIDERED LACE. ELIZABETH A. DAVIS PRESS, White Plains, N. Y., assignor to Blanck & Co., Inc., New York, N. Y. Filed June 12, 1925. Serial No. 13,753. Term of patent 3½ years.



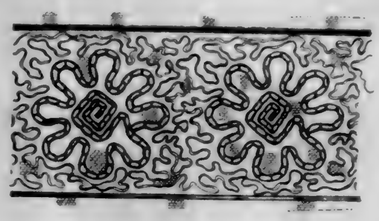
The ornamental design for embroidered lace, as shown.

69,053. EMBROIDERED LACE. ELIZABETH A. DAVIS PRESS, White Plains, N. Y., assignor to Blanck & Co., Inc., New York, N. Y. Filed June 12, 1925. Serial No. 13,754. Term of patent 3½ years.



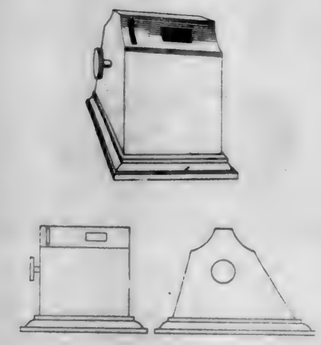
The ornamental design for embroidered lace, as shown.

69,054. EMBROIDERED LACE. ELIZABETH A. DAVIS PRESS, White Plains, N. Y., assignor to Blanck & Co., Inc., New York, N. Y. Filed June 12, 1925. Serial No. 13,755. Term of patent 3½ years.



The ornamental design for embroidered lace, as shown.

69,055. CASING FOR A CALCULATING MACHINE. CLAY W. PREWETT, Los Angeles, Calif., assignor to Prewett Addograf and System Company, Los Angeles, Calif. Filed July 23, 1923. Serial No. 6,830. Term of patent 3½ years.

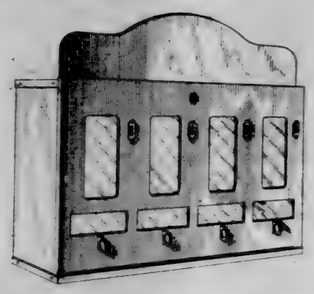


The ornamental design for a casing for a calculating machine as shown.

69,056. DOLL. BLANCHE SCHELL, Brooklyn, N. Y. Filed July 22, 1925. Serial No. 14,178. Term of patent 7 years.

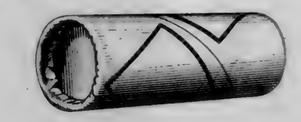
The ornamental design for a doll as shown.

69,057. VENDING-MACHINE CASING. EDWARD SCHULTZ, Chicago, Ill., assignor to William H. Jenkins, Chicago, Ill. Filed Oct. 29, 1925. Serial No. 15,286. Term of patent 3½ years.



The ornamental design for a vending machine casing, as shown.

69,058. CARTON OR SIMILAR ARTICLE. OLOF N. TØVANDER, Chicago, Ill., assignor to Standard Cap & Seal Corporation, Chicago, Ill., a Corporation of Virginia. Filed Oct. 23, 1922. Serial No. 4,068. Term of patent 7 years.

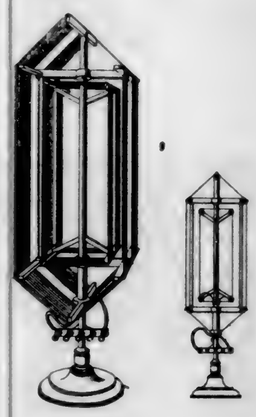


The ornamental design for a carton or similar article, as shown.

69,059. BOOK END OR SIMILAR ARTICLE. ELIZABETH F. WASHBURN, Ware, Mass. Filed Oct. 14, 1925. Serial No. 15,119. Term of patent 3½ years.

The ornamental design for a book end or similar article, as shown.

69,060. ANTENNA LOOP OR SIMILAR ARTICLE. GEORGE WILLIAMS, Santa Ana, Calif., assignor of one-half to James B. Utt, Tustin, Calif. Filed July 6, 1925. Serial No. 13,998. Term of patent 14 years.



The ornamental design for an antenna loop or similar article, as shown.

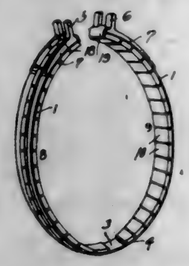
# PATENTS

## GRANTED DECEMBER 15, 1925.

1,565,239. AIRSHIP-STEERING MECHANISM. MARION W. ADKINS, Kansas City, Mo. Filed Mar. 13, 1923. Serial No. 624,709. 2 Claims. (Cl. 244—29.)

1. In a steering mechanism of the kind described, a rock shaft having two oppositely extending cranks, two cables respectively attached to said cranks, a rudder rigidly attached to said rock shaft, a second rudder at right angles to the first rudder, a bolt carried by said rock shaft and extending at right angles thereto on which the second rudder is pivoted, two members carried at opposite sides of said second rudder by said rock shaft, and a cable having a running connection with said members and attached to said second rudder at one side of the pivotal axis thereof.

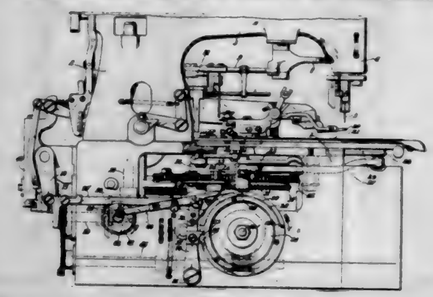
1,565,240. SECTIONAL BRAKE LINING. CARL ANDERSON, Roza, Wash., assignor of one-half to Thomas C. Doolittle, Roza, Wash. Filed Dec. 12, 1924. Serial No. 755,439. 4 Claims. (Cl. 188—259.)



3. The combination with a slotted brake band, a flexible liner strip comprising a series of perforated friction blocks, a single flexible strand passing successively through said blocks, a retaining head at one end of said strand for engagement with a block, a retaining hook at the other end of the strand for engagement with a block, and retaining tongues on said blocks having undercut guide grooves for co-action with said slotted brake band.

1,565,241. BUTTONHOLE-SEWING MACHINE. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Oct. 9, 1924. Serial No. 742,507. 6 Claims. (Cl. 112—71.)

1. A buttonhole sewing machine having in combination, stitch-forming mechanism, a work-holder, stitch-positioning cams making one complete rotation per buttonhole producing cycle and connections for relatively rotating and feeding the stitch-forming mechanism and work-holder to sew around a buttonhole, means connected to the sewing shaft for driving said stitch-positioning cams at a normal speed during a portion of the period of action of the stitch-forming mechanism, and means for more rapidly driving said cams during another portion of the period of action of the stitch-forming mechanism while the latter continues its sewing action, said last-named means including an accessibly located controlling wheel and means for driving said cams through said wheel.



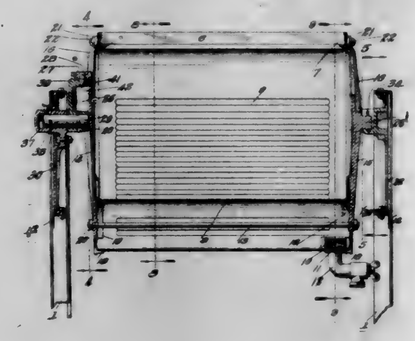
1,565,242. METHOD OF DECORATING ART NOVELTIES. MABEL F. ALKIRE, Dallas, Tex. Filed Oct. 1, 1925. Serial No. 59,898. 3 Claims. (Cl. 41—34.)

1. The hereindescribed method of decorating plastic articles which consists initially in adhering tufts of natural grass to the said article by heating a quantity of paraffine to a liquid consistency and dripping the same at spaced intervals on said grass, then in affixing a number of cloth flowers at desired positions on said grass to indicate natural placement thereof, and finally in varnishing said grass to produce a natural effect.

1,565,243. WASHING MACHINE. ALPHEUS W. ALTORFER, Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill., a Corporation of Illinois. Filed Apr. 23, 1923. Serial No. 633,877. 8 Claims. (Cl. 68—21.)

1. A metallic tub, including vertical side walls and a curved rubbing wall having an opening in its top and formed diametrically opposite thereto with an inturned

substantially inverted V-shaped transversely disposed bridge-wall, brace frames for each side wall, said frames having upper diverging arms and lower diverging shoes having inturned flanges to engage the curved wall at the juncture of the bridge-wall therewith and also provided



with inturned inverted V-shaped flanges to receive and brace the bridge-wall at opposite ends, bolts securing the arms to the side walls above the water line, and a bolt connecting the opposite frames near their lower ends and disposed outside the tub and between the walls forming the bridge-wall.

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1,565,244. TOOTH-MOUNTING-CARD HOLDER. ROBERT C. ANGELL, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 12, 1922. Serial No. 551,929. 6 Claims. (Cl. 211—14.)

1. A holder of the class described, comprising a rack having side walls provided with opposed recessed pockets merging into obliquely inclined slots affording guides arranged to receive and hold tooth mounting-cards in relatively parallel planes, the recessed walls of said pockets being extended to form yielding guards arranged to frictionally engage the opposite ends of said tooth mounting-cards.

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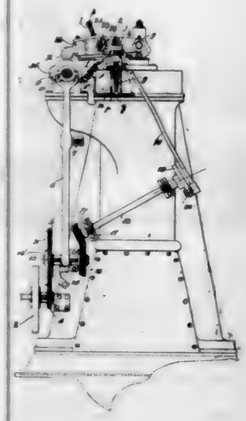
1,565,245. REVERSING MECHANISM FOR OIL-BURNING ENGINES. AXEL AUGUST ASPLUND, Auburn, N. Y., assignor to Edward T. Fenwick, Falls Church, Va. Filed Feb. 17, 1920. Serial No. 359,415. 13 Claims. (Cl. 123—41.)

1. In an internal combustion engine having a plurality of cam operated valves each having a cam lever, and a cam shaft carrying a plurality of cams in duplicate for operating said valve levers and valves, one set for operating the engine ahead and one set for operating the engine astern, a reversing mechanism comprising in combination a cam shaft shifting mechanism, a valve



lever lifting mechanism, a valve opening mechanism and means for operating said cam shaft shifting mechanism, valve lever lifting mechanism and valve opening mechanism in a predetermined order.

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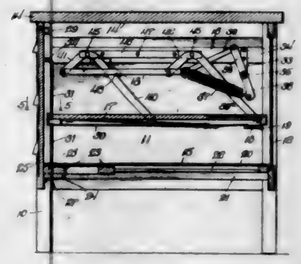
1,565,246. OFFICE DESK. JOHN L. AXEN, Cicero, Ill. Filed Aug. 17, 1923. Serial No. 657,901. 3 Claims. (Cl. 45—52.)



1. A cabinet having an open front with posts on opposite sides thereof; a floating shelf occupying a relatively low position when in the cabinet and a relatively high position when out of the cabinet, in combination with wearing strips secured to the posts and projecting slightly beyond the parallel edge of the post and toward the shelf and similar wearing strips secured to proximate longitudinal edges of the shelf and projecting slightly therebeyond toward said posts, for contact with the wearing strips on the posts during the entire movement of the shelf.

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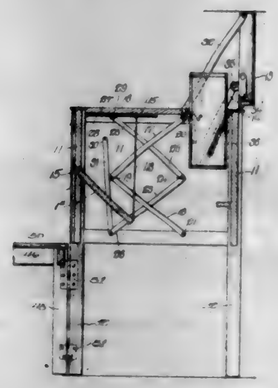
1,565,247. CABINET DESK. JOHN L. AXEN, Chicago, Ill. Filed Sept. 13, 1923. Serial No. 662,872. 1 Claim. (Cl. 45—52.)

A desk comprising a cabinet, having a hinged cover, a hinged two-piece front wall to said cabinet, means



connecting said shelf to said cover for operation of said shelf by said cover, and means connecting the lower por-



tion of said front wall to said shelf for inward swinging movement thereby.

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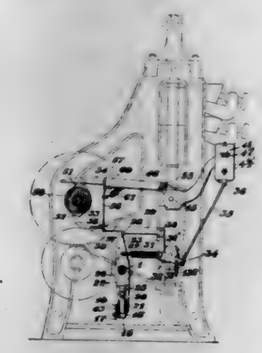
1,565,248. CONTROLLING DEVICE FOR POWER-OPERATING MECHANISM. ARTHUR BATES, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 27, 1920. Serial No. 433,248. 16 Claims. (Cl. 192—131.)



6. A device of the class described for controlling the operation of a machine having, in combination, mechanism controllable to throw the machine into and out of operation, two members operable by the respective hands of the operator, means dependent upon the operation of both of said members for controlling said mechanism to throw the machine into operation, and means acting independently of said members for controlling said mechanism to throw the machine out of operation.

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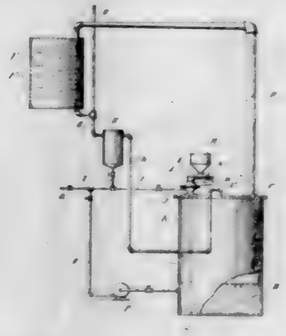
1,565,249. MEANS FOR FEEDING SOLIDS AND SEMISOLIDS TO CHEMICAL APPARATUS. GEORGE A. BERRY, Somerville, N. J. Filed Mar. 17, 1920. Serial No. 366,622. 11 Claims. (Cl. 23—252.)

2. In an apparatus for feeding solids or semisolids into a closed receptacle, the combination of a substantially closed receptacle, a condenser exteriorly of the receptacle, means for leading vapors generated within the receptacle out of the receptacle and to the condenser, wherein they are condensed, means for leading the con-



densate back to the receptacle, and means for introducing foreign matter into the condensate during its passage from the condenser to the receptacle.

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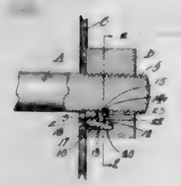
1,565,250. NUT LOCK. PAUL I. BIBLE, Hollis, Okla. Filed Aug. 22, 1925. Serial No. 51,770. 3 Claims. (Cl. 157—24.)



1. The combination with a bolt having a threaded shank of a nut threaded upon the shank adapted to engage the work through which the bolt is inserted, the nut having a radially extending passageway formed therein opening out into the bore of the nut, and a second passageway arranged parallel with the bore of the nut communicating with the inner end of the radially extending passageway and opening out through the inner face of the nut, an operating lug slidably mounted within the second mentioned passageway having a reduced tongue and a reduced extension normally extending beyond the inner face of the nut, a locking lug slidably mounted within the radially extending bore having a beveled inner end normally resting upon the tongue and biting teeth on its outer end for engaging the threads of the bolt, a holding pin extending into the nut for engaging the locking lug for holding the same against displacement, and an inclined face leading from said tongue to the body portion of the operating lug for engaging the beveled face of the locking lug for normally urging the same outwardly into locking contact with the bolt, when the operating lug is forced inwardly by the engagement thereof with the work.

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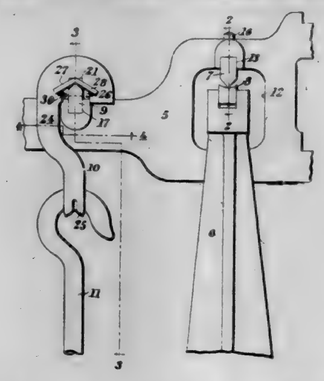
1,565,251. SCALE LOOP. ALFRED BOUSFIELD, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed Feb. 14, 1925. Serial No. 9,115. 2 Claims. (Cl. 265—49.)

1. In a scale, the combination with a weight-beam having a pivot, of a loop suspended from said pivot,

said loop having spaced arms, the extremities of which are of inverted U-form for engaging the said pivot,



and means carried by the pivot for limiting the lateral movement of the said loop.

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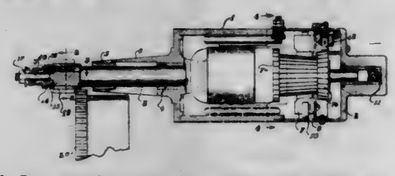
1,565,252. STARTING MOTOR FOR AUTOMOBILES. ODILON BRISBOIS, Chicago, Ill. Filed Dec. 11, 1922. Serial No. 606,343. 7 Claims. (Cl. 290—38.)



1. In a starting motor, a longitudinally shiftable armature, a tapered commutator having a rear beveled ridge, an auxiliary brush normally connecting with said ridge and so connected in circuit with the motor as to cut out a number of armature coils, said commutator riding from under said brush during its longitudinal travel.

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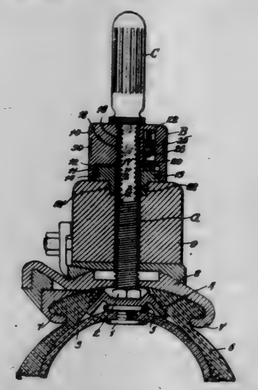
1,565,253. TIRE LOCK. ROBERT H. BUTTERS and RICHARD W. STARKE, Atlanta, Ga. Filed Sept. 21, 1923. Serial No. 663,936. 3 Claims. (Cl. 70—122.)



1. In a lock, in combination, a stem and a locking block, the stem having threads and flat faces interrupting the threads, the block comprising two co-axial co-operating parts relatively rotatable and having central openings through which the stem may project, one of the parts engaging the flat faces of the stem against rotation, the other engaging the threads against endwise displacement, a bolt carried by one part, the other part having ratchet shoulders for engagement by said bolt, and lock mechanism carried by one part and operative to retract the bolt.

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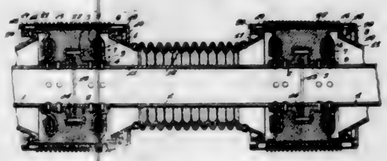
1,565,254. PIPE COVERING. ALBERT LEONARD BYSTROM, Tower, Minn. Filed Apr. 1, 1924. Serial No. 703,479. 1 Claim. (Cl. 137—75.)



A pipe covering including similar units each comprising an inner tubular pipe receiving member, annular outstanding portions at the ends of the member, an outer tubular member provided with annular corrugations, there being a partial vacuum between said members, and means at the ends of the outer tubular member interlocking with the annular outstanding portions to seal the space between the members, and means for sealing the connection between the units, said last mentioned means including connected inner and outer sleeves fitted upon said ends and having a partial vacuum between them, and an insulating packing surrounded by the inner sleeve.

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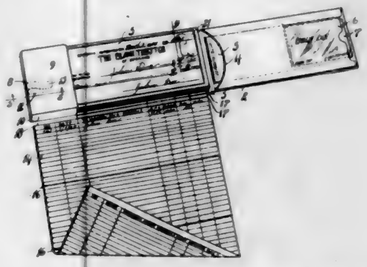
1,565,255. CHECK BOOK. AXEL RICHARD BYQUIST, Spokane, Wash. Filed Apr. 8, 1924. Serial No. 705,024. 4 Claims. (Cl. 283—66.)



4. The combination with an end opening book having an inwardly opening pocket on its back, of a pad having one of its ends located in said pocket, a foldable account sheet having a tab located between the pad and back, and means within the pocket for retaining the pad and tab.

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1,565,256. METHOD OF PRODUCING PHOTOGRAPHIC COPIES BY MEANS OF PHOSPHORESCENT SUBSTANCES. JENS HERMAN CHRISTENSEN, Holte, Denmark. Filed July 30, 1920. Serial No. 400,232. 4 Claims. (Cl. 95—5.)

1. The method of copying by means of a phosphorescent screen, which comprises illuminating a phosphorescent film, placing the said screen in contact with a picture to be copied, illuminating the picture through the screen with a colored light which will diminish the phosphorescence, then placing together the phosphorescent screen and a light sensitive film to produce on the latter a latent picture corresponding to said picture, and then developing the light sensitive film.

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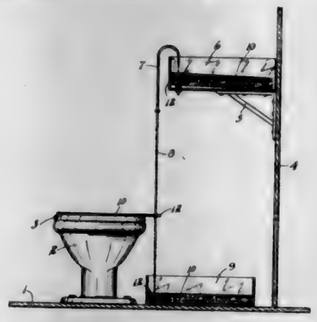
1,565,257. SANITARY TOILET-SEAT COVER. ETHEL F. CLARK, Shooks, Minn. Filed Mar. 31, 1923. Serial No. 628,954. 3 Claims. (Cl. 4—244.)



1. The combination with a toilet seat, of a container disposed above said seat, a second container disposed below said seat substantially alined with said first mentioned container, a relatively thin member disposed between said containers, a plurality of seat covers each having an eyelet secured in one side thereof threaded on said member so that the same can be stored in the upper container and moved to a position on said seat and then disposed in said lower container.

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1,565,258. BITUMINOUS COMPOSITION FOR PAVING. GEORGE COBB, Baltimore, Md., assignor of one-third to Bernard L. Crosier and one-third to Frank K. Duncan, both of Baltimore, Md. Filed Oct. 7, 1924. Serial No. 742,231. 2 Claims. (Cl. 106—31.)

1. In a pavement, a mixture consisting of 3½% to 5% of bitumen, and a crushed rock mineral aggregate passing a #200 mesh sieve not over 5%, passing a #10 sieve 5% to 15%, passing a ¼ inch screen 15% to 25%, passing a ½ inch screen 20% to 35%, and passing a ¾ inch screen 20% to 40%.

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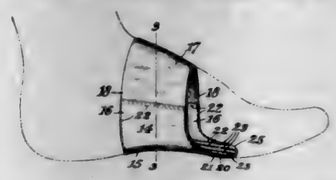
1,565,259. COMBINED INSTEP AND ARCH SUPPORT. HENRY JAMES COLLIS, Taunton, Mass. Filed Sept. 29, 1923. Serial No. 665,602. 2 Claims. (Cl. 36—71.)



1. A combined instep and arch support, comprising a bottom arch-support member consisting of a pliable body of leather or flexible material having a main bottom portion to extend under the sole of the foot and upwardly-extending opposite side portions to extend at at opposite sides of the foot above the sole, said pliable main bottom portion being extended in front of said upwardly-extending opposite side portions to project under the metatarsal part of the foot, reinforcing media carried by the bottom portion of said pliable body of the arch-support member and extending in said metatarsal front part thereof, and a top instep-support member constituted by a cross-strip or body band to extend across the instep and having its opposite ends attached to the top edges of said upwardly-extending side portions of the pliable body of the bottom arch-support member.

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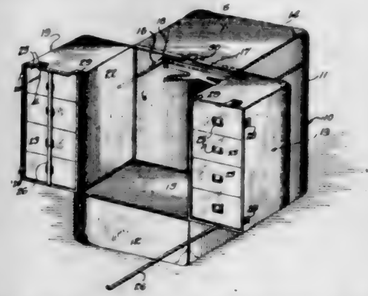
1,565,260. TRUNK. ROBERT MARTIN COOPER, Petersburg, Va. Filed Jan. 30, 1924. Serial No. 689,492. 4 Claims. (Cl. 190—13.)



1. A trunk comprising a substantially L-shaped relatively stationary body portion having a horizontal base section with an open top and a vertical section with an open inner face, a pair of movable sections hinged to the forward outer edges of said vertical section supported by said base section, and means for limiting the outward turning movement of said movable sections whereby their inner lower edges are supported by the upper side edges of said base section.

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1,565,261. WAXING AND POLISHING MACHINE. NELSON B. CUTLER, Milwaukee, Wis., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 3, 1922. Serial No. 549,034. 3 Claims. (Cl. 15—179.)

3. In a rotary padding brush for waxing and polishing machines, a rotary hub, bristles projecting from the hub and constructed and arranged to form recesses spaced about the periphery of the brush, and resilient supports for the bristles extending from the hub and supporting said bristles near the ends thereof.

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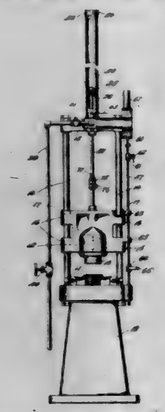
1,565,262. DROP HAMMER. ARTHUR V. DA COSTA, Providence, R. I., assignor to Edgar Ward, Newton, Mass. Filed Nov. 25, 1921. Serial No. 517,752. 3 Claims. (Cl. 121—30.)

1. A pneumatic drop hammer comprising a hammer-head, a cylinder, a single-acting piston in said cylinder having a piston rod connected to said hammer-head, an inlet for supplying air under pressure to said cylinder to lift the piston and hammer, an exhaust valve, means for actuating the exhaust valve to permit the hammer-head to drop to the full end of its stroke, an inlet valve operable to admit said air under pressure to lift the piston when the hammer-head has made its full stroke

and means for admitting air into said cylinder during the rebounding movement of the hammer at a lower pressure than that required to lift the hammer-head, where-



by the partial vacuum produced by the rebounding of the hammer will be broken and an air cushion provided in said cylinder which will prevent a secondary blow.

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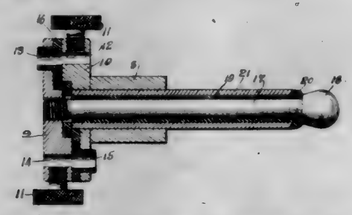
1,565,263. RADIO PHONE PLUG. CHARLES W. DENNY and WILLIAM E. MCLAUGHLIN, Middletown, Ohio, assignors to the Barkelew Electric Manufacturing Company, Middletown, Ohio, a Corporation of Ohio. Filed Aug. 4, 1922. Serial No. 579,594. 2 Claims. (Cl. 173—334.)



1. In a radio phone plug, a front plate having apertures, a rear plate having apertures adapted to register with the apertures in the front plate, insulating means between said plates adapted to project through a part of the apertures in either plate, whereby when the plates are adjusted an insulated aperture in one plate will always be in register with a non-insulated aperture in the other plate.

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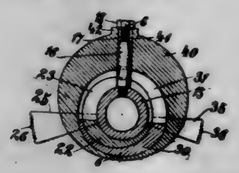
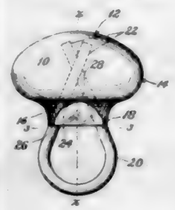
1,565,264. ADJUSTABLE ECCENTRIC. BORIS DUBL, Brooklyn, N. Y. Filed Mar. 22, 1924. Serial No. 701,099. 4 Claims. (Cl. 74—1.)



1. In an adjustable eccentric the combination of an outer eccentric, a pair of supplemental adjustable eccentrics rotatably coacting with the outer eccentric and means to locate the supplemental adjustable eccentrics in different positions.

1,565,265. BUTTON. WILLIAM E. ELLIOTT, Lynn, Mass., assignor to American Button & Fastener Co., Augusta, Me., a Corporation of Maine. Filed May 12, 1920. Serial No. 380,838. 7 Claims. (Cl. 24—90.)



6. A button comprising a head, a neck and an eye entering opposite sides of the neck, there being depressions in the neck terminating near the entering points of the eye.

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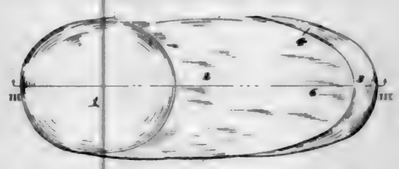
1,565,266. ARCH-CORRECTIVE DEVICE. JOSEPH C. FLANAGAN, Pittsburgh, Pa. Filed Dec. 27, 1923. Serial No. 682,963. 1 Claim. (Cl. 36—71.)



A removable arch-corrective device for foot wear formed of readily yieldable and resilient material and composed of a concaved heel seat, in front of said heel seat an elevated portion to be positioned under the longitudinal arch of the foot and of substantially uniform thickness for its full width and length, and in front of said elevated portion a forwardly and laterally inclined portion arranged to be positioned just in the rear of the metatarsal joints of the foot, while said joints rest on the floor of the shoe.

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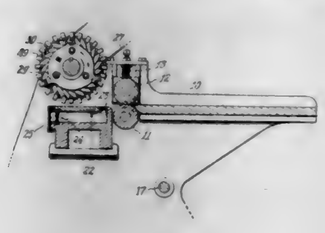
1,565,267. UPHOLSTERY PAD. DEL ROY F. FOWLER, Melrose Park, Pa. Filed May 12, 1924. Serial No. 712,615. 1 Claim. (Cl. 154—54.)

A pad for upholstery made up of a fabric backing overlaid by a multiplicity of thin veils of dry carded, long and wavy sisal fibre, said veils being successively superposed upon each other with the fibres of successive layers crossing each other at an angle so as to form a springy unfelted pad and said pad being stitched to the backing.



1,565,268. MACHINE FOR REMOVING BURS AND OTHER ENTANGLED SUBSTANCES FROM SKINS AND PELTS. JAMES FRAME, Kogarah, near Sydney, New South Wales, Australia. Filed Apr. 30, 1923. Serial No. 635,438. 2 Claims. (Cl. 149—24.)



2. Apparatus according to claim 1 wherein the drum is constructed of an assembly of discs each of which carries a plurality of peripheral lugs tapered towards their leading edges to form divider blades, and rearward and above each said lug a hollow faced beater, said blades and beaters on each such disc being respectively set out of alignment with each other and the complete assembly arranged in helical order on the drum periphery.

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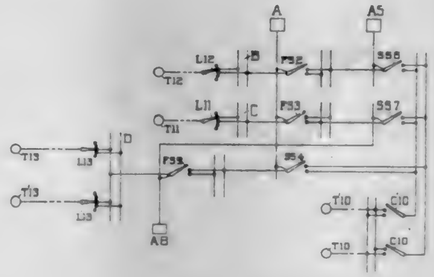
1,565,269. TELEPHONE SYSTEM. HERBERT M. FRIENDLY, Portland, Oreg. Filed Mar. 30, 1922. Serial No. 548,165. 53 Claims. (Cl. 179—18.)



1. In a telephone system, a group of selective switches, a driving magnet specific to each switch, a driving control relay set for said switches common thereto and in permanent multiple relation therewith, and means automatically self initiated forthwith following the completion of the operation of a said selective switch to disconnect the said driving control relay set from operative control thereof and to thereupon render the driving control relay set in control of any one of the switches of the group irrespective of whether or not there is another call to the last said switches.

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1,565,270. CORSET AND SIMILAR GARMENT FOR LADIES' WEAR. JOHN WILLIAM GORDON, Brislington, England, assignor to Chappell Allen & Company, Limited, Redfield, Bristol, England. Filed Mar. 26, 1925. Serial No. 18,379. 5 Claims. (Cl. 2—38.)

1. In a garment for ladies' wear having overlapping edges to be detachably connected, hooks and eyes carried by said edges, projecting from abutting faces of the edges within the overlapping zone, and interengageable by pairs to prevent separation of said edges, the edge carrying the eyes having, between the row of eyes and the margin, a pocket extending along the edge and opening toward the eyes, said pocket being divided into sub-

pockets into which the hooks move in entering the eyes, by stitching between eyes to prevent opening of the long pocket, whereby the hooks will be protected and shielded while interengaged with the eyes.

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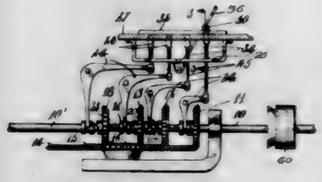
1,565,271. TRANSMISSION MECHANISM FOR VEHICLES. LYMAN B. GOUD, Brooklyn, N. Y. Filed Oct. 29, 1924. Serial No. 746,494. 4 Claims. (Cl. 74—59.)



1. A transmission mechanism comprising a drive shaft, a driven shaft alined with said drive shaft, a bevel pinion fixed on said drive shaft, a series of bevel pinions loose on said driven shaft and formed with one-way clutch faces, a series of co-axially fixed bevel gears of different diameters engaged by the respective bevel pinions, a series of clutch collars feathered on said driven shaft to engage the respective clutch faces, levers operatively engaged with said collars, plunger rods connected to said levers, and a slidable plate for selectively moving said plunger rods.

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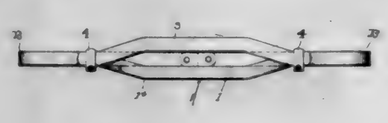
1,565,272. AUTOMOBILE BUMPER. WILLIAM J. GNOTENHUIS, Chicago, Ill., assignor to Bilex Products Company, Waukegan, Ill., a Corporation of Delaware. Filed Aug. 14, 1924. Serial No. 731,935. 6 Claims. (Cl. 293—55.)

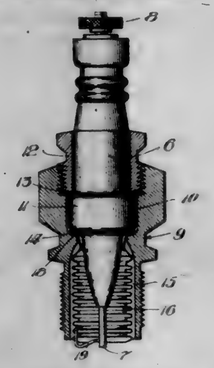


1. An automobile bumper comprising a continuous bar initially shaped to form a straight portion, looped portions at the ends of said straight portion, and rearwardly disposed end portions beyond said looped portions extending at a predetermined angle of divergence from said straight portion, said bar being adapted to be distorted by bringing the ends of said bar into fixed connection with each other to form a flattened loop, having all parts thereof under tension.

1,565,273. AUTOMOBILE BUMPER. WILLIAM J. GROTENHUIS, Chicago, Ill., assignor to Bifex Products Company, Waukegan, Ill., a Corporation of Delaware. Filed June 11, 1925. Serial No. 36,326. 9 Claims. (Cl. 293—55.)

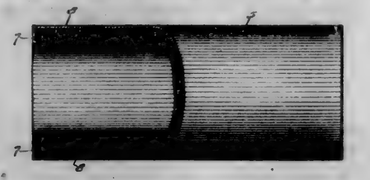
1. An automobile bumper comprising a resilient bar bent to form front and rear sections and intermediate looped ends, the central portions of said front and rear sections being curved outwardly with respect to the end portions thereof.

1,565,274. SPARK PLUG AND THE LIKE. JOHN B. HAWLEY, Jr., Colorado Springs, Colo. Filed Feb. 12, 1923. Serial No. 618,446. 8 Claims. (Cl. 123—169.)



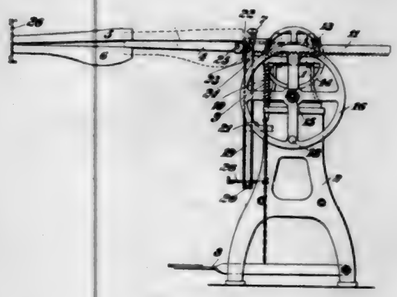
1. In a spark plug, the combination of a base member having in its lower portion a downwardly facing chamber, a porcelain seated within said chamber and against the upper end thereof, a central electrode extending downwardly through said porcelain and having its lower end exposed below the porcelain, said porcelain being of smaller size than the chamber to leave an annular opening between the porcelain and the wall of the chamber, a cylindrical insert located within said annular opening, said insert comprising a relatively thin sheet of brass annularly corrugated and silver plated, an electrode point carried by the lower end of said insert and in close proximity to the exposed lower end of the first mentioned electrode, said point comprising a length of copper coated steel wire, substantially as described.

1,565,275. COUPLING HOSE. PAUL H. HENKEL, Erie, Pa., assignor to Continental Rubber Works, Erie, Pa., a Corporation of Pennsylvania. Filed Dec. 13, 1923. Serial No. 680,330. 2 Claims. (Cl. 137—90.)



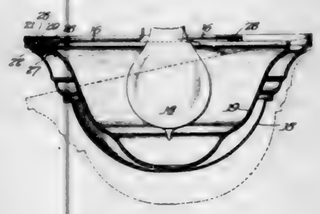
1. A radiator coupling comprising an inner wall of mixed rubber and unwoven fibre, the elements of the fibre extending in miscellaneous directions in the wall, and an outer wall of rubber united by vulcanization with the inner wall.

1,565,276. MACHINE FOR SHAPING LEATHER LEGGINGS. GEORG HÖPPNER, Neukolln, Germany. Filed Sept. 12, 1923. Serial No. 662,201. 9 Claims. (Cl. 69—8.)



1. A machine for shaping leather leggings comprising a frame, a spindle mounted therein, a holder on said spindle, a wedge held by said holder, a two-part shaper adapted to be carried by said wedge, and an abutment member carried by said frame for forcibly moving the shaper, enclosed by the legging, over the wedge.

1,565,277. LIGHTING FIXTURE. PAUL M. HOTCHKIN, Chicago, Ill. Filed Aug. 29, 1921. Serial No. 496,212. 10 Claims. (Cl. 240—78.)

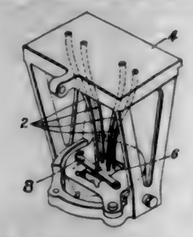


1. In a lighting fixture of the class described, the combination with a suspensory device, a bowl, and a reflector within the bowl, of a plurality of inwardly directed holders associated with said bowl and provided with depending engaging lips against which said reflector is adapted to seat for supporting the reflector within the bowl, and a plurality of supporting arms associated with said suspensory device and having detachable engagement with said holders, said supporting arms being formed of resilient material, the inherent resilience of which tends to spring the arms toward the center of the fixture to preserve engagement of the arms with the holders and likewise maintain contact of the engaging lips and the holders with said reflector.

1,565,278. FASTENER-FEEDING DEVICE. JOHN C. JORGENSEN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 19, 1923. Serial No. 626,114. 4 Claims. (Cl. 1—39.)

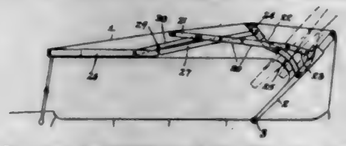
1. In a fastener feeding mechanism, a flexible conductor for fasteners having a diameter that will prevent fasteners from turning over therein, said conductor comprising a ribbon or strip of resilient material wound in a helical coil, each convolution of which includes a portion which is offset toward the center of the conductor and projects within the convolution next adja-





cent to it in the direction of the delivery end of the conductor in substantially parallel relation, longitudinally of the conductor, to that portion within which it projects.

1,565,279. TOP FOR VEHICLES AND THE LIKE. FRED K. LEWIS, Ashtabula, Ohio. Filed Nov. 17, 1920. Serial No. 424,745. 6 Claims. (Cl. 296—116.)

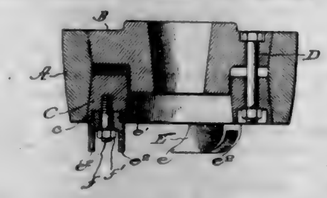


1. In a top for vehicles and the like, the combination of a support pivotally attached to the body of the vehicle and adapted to incline rearwardly in the open position of the top, a rigid forwardly inclining supplemental bow pivotally attached to said support so as to lie with its upper end substantially directly over the point of attachment of said support to the vehicle body when the top is thus open, a forwardly extending articulated auxiliary bow attached to said supplemental bow about a fixed pivotal axis, and link and lever means connecting said auxiliary bow with said support at a fixed point thereon and independently of any other part.

1,565,280. PROCESS OF PRODUCING FERROZIRCONIUM. RALPH H. MCKEE, New York, N. Y., assignor to Joseph G. Donaldson, Hamilton, Ohio. Filed July 28, 1921. Serial No. 488,227. 4 Claims. (Cl. 75—1.)

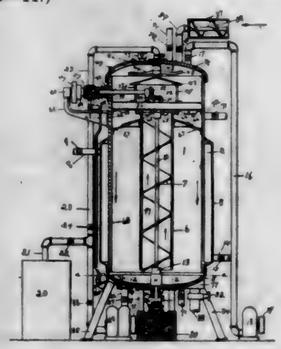
1. The process of producing zirconium alloy which consists in fusing an oxygen compound of zirconium with a metallic sulphide.

1,565,281. AGITATOR FOR GYRATORY MILLS. WILLIAM THOMAS MCNINCH, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed Dec. 1, 1924. Serial No. 753,018. 5 Claims. (Cl. 83—45.)



1. In a mill having a roll, agitators mounted upon the roll in position to encounter material to be ground; said agitators being constructed with a substantially solid forward portion and with a protecting recess in rear of said forward portion, and having means securing them to the roll, located in said recess.

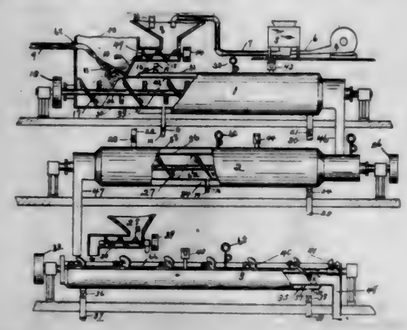
1,565,282. PROCESS AND APPARATUS FOR TREATING VEGETABLE SUBSTANCES. CHARLES R. MABEE, Buffalo, N. Y., assignor to Mabee Patents Corporation. Filed Aug. 16, 1920. Serial No. 403,861. 8 Claims. (Cl. 99—11.)



1. An apparatus for treating vegetable materials, comprising a closed cylindrical container, a spiral conveyor supported centrally therein, positive feeding means for introducing said vegetable materials in said container, and means for spraying liquid materials into the container and upon the vegetable materials.

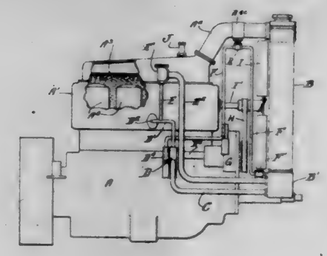
6. A method for the treatment of vegetable materials, which comprises subjecting said materials in a moistened condition to an alternate compression and expansion at an elevated temperature and at a pressure above atmospheric, whereby the starch granules and fiber structures are broken down, rendered more thoroughly assimilable, and a portion thereof converted into sugars.

1,565,283. PROCESS FOR THE CONTINUOUS STEAM MILLING OF VEGETABLE SUBSTANCES. CHARLES R. MABEE, Buffalo, N. Y., assignor to Mabee Patents Corporation. Filed Aug. 16, 1920. Serial No. 403,863. 7 Claims. (Cl. 99—11.)



7. A method for the treatment of vegetable materials, which comprises admixing said materials with liquid materials at a temperature of about 200° F. and then subjecting the same to alternate compression and expansion, first at a temperature of about 200 F. and then at a temperature of about 212° F., admixing other vegetable substances therewith and finally drying, all in a continuous manner.

**1,565,284. COOLING SYSTEM.** HARRY C. MALLORY, New York, N. Y.; Sue R. Mallory administratrix of said Harry C. Mallory, deceased. Filed May 28, 1921, Serial No. 473,439. Renewed Apr. 17, 1925. 5 Claims. (Cl. 123—178.)



1. In an engine cooling system comprising an engine cooling space and a condenser connected to said space, and adapted to condense vapors formed by the absorption of heat by a cooling liquid contained in said space, the improvement which consists in means for adjusting the capacity of said condenser as required to maintain said liquid at an approximately constant temperature, comprising a thermostatic device responsive to the cooling liquid temperature.

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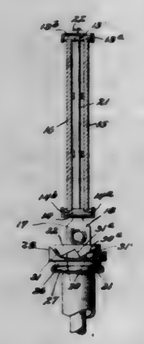
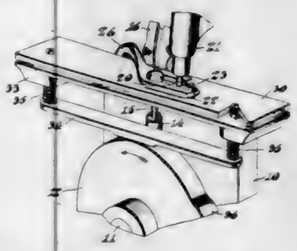
**1,565,285. MOVABLE SIGNBOARD.** MONTE C. MERKER, Reading, Pa., assignor to Merker, Ellis, Kramer Company, Reading, Pa., a Copartnership composed of Monte C. Merker, Harry G. Ellis, and Paul A. Kramer. Filed Mar. 20, 1923. Serial No. 626,363. 9 Claims. (Cl. 40—138.)



1. A movable sign board comprising a frame mounted to move about a vertical axis intermediate its ends, said axis being located nearer to one end than the other of said frame, whereby rotation of the frame by the wind is prevented, means for yieldingly holding said frame in an original position, means tending to cause said frame to return to its original position after it is displaced therefrom, and means for yieldingly holding said frame in a new position at an angle to its original position after the same has been displaced a predetermined degree from its original position.

**1,565,286. METHOD OF SETTING BLIND AND INVISBILE EYELETS.** HOMER B. MILLER, Gardiner, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Aug. 26, 1918, Serial No. 251,456. Renewed Mar. 31, 1921, Serial No. 457,424. Divided and this application filed Feb. 17, 1922. Serial No. 537,237. 7 Claims. (Cl. 218—29.)



1. That method of setting blind or invisible eyelets, which consists in forcing a punch through all the layers of an article of work, thereafter, but while the punch remains in said article, relatively moving the said article and an annular clenching element so as to pass the latter through one of the layers of said article, and thereafter inserting an eyelet into the article so as to clench it against said shoulder.

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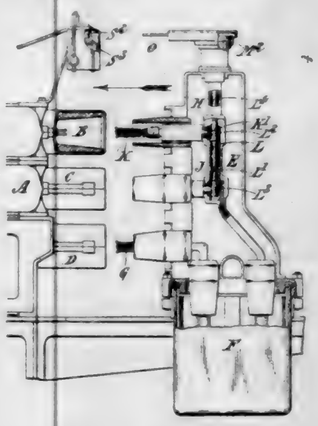
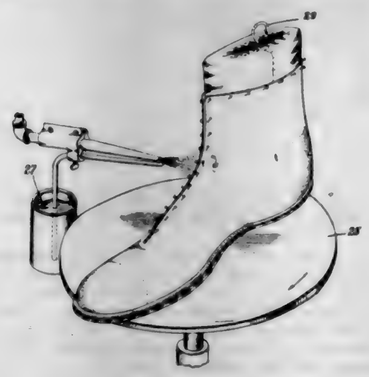
**1,565,287. ELECTRIC SWITCH GEAR.** JAMES MIRREY, East Boldon, England, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a British Company. Filed Dec. 1, 1924. Serial No. 753,375. 6 Claims. (Cl. 200—51.)



1. In electric switchgear of the drawout type, the combination of a plurality of busbar sockets, a main switch, sockets connected to said main switch, a movable member having holes or slots at levels corresponding to the centre line of the sockets, a removable plug serving when inserted in one of the main switch sockets to connect it with one of the busbar sockets, a pin or projection on said removable plug adapted to enter the corresponding hole in said movable member and means for moving said member to allow the entrance of said pin or projection into the hole and for indicating the selected position of the plug.



**1,565,288. ART OF MANUFACTURING BOOTS AND SHOES.** GEORGE E. MOLYNEUX, Bayonne, N. J., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 18, 1922. Serial No. 588,860. 10 Claims. (Cl. 12—142.)



1. The method of manufacturing a shoe which comprises assembling a lining and a bottom member upon a last, drawing the lining tightly about the last and spraying upon the lining a coating substance to form the upper.

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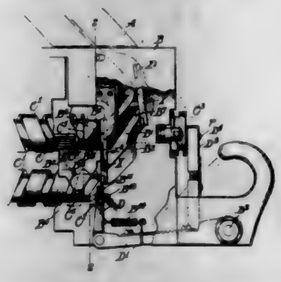
**1,565,289. TYPOGRAPHICAL DISTRIBUTING MACHINE.** LUTHER E. MORRISON, New York, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Feb. 11, 1925. Serial No. 8,363. 11 Claims. (Cl. 199—42.)



1. In a typographical distributing mechanism comprising a distributor bar and set of matrix conveying screws, the combination of guide means along which the matrices pass by gravity, means for arresting the gravitating matrices at a point in advance of the conveying screws, means for releasing the arrested matrices, one at a time, to permit their escape into position to be picked up by the screws, and inclined surfaces movable into engaging relation to the release matrices for directing them to the pick-up position.

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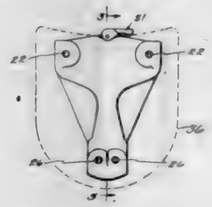
**1,565,290. HEEL ATTACHMENT.** BARNEY NOEL, Windsor, Ontario, Canada. Filed Jan. 24, 1924. Serial No. 688,204. 3 Claims. (Cl. 36—61.)

1. An attachment for heels, comprising a casing adapted for embedding in a heel having a longitudinally extending channel formed therein and communicating adjacent one end with a transversely extending passage at opposite sides to form a cross-shaped recess; movable calks mounted in said casing and adapted for projecting therefrom; a cross-shaped actuating member, slidably positioned in said channels having a cross-head at one end of its trunk, the arms and the cross-head of said



cross-shaped member being adapted for engaging said calks for projecting their ends out of said casing into operative position, said cross-shaped member being slidably movable into operative or inoperative position.

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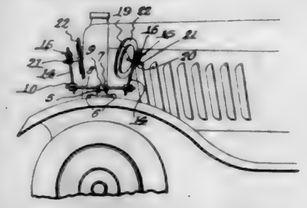
**1,565,291. MIRROR.** LOVELL E. PEARCH, South Bend, Ind. Filed Jan. 13, 1925. Serial No. 2,109. 1 Claim. (Cl. 45—97.)



In a device of the character described, a support, a horizontally disposed rod mounted on the support, supporting blocks adjustably mounted on the rod, vertical rods extending through the supporting blocks, and mounted for vertical adjustment therethrough, adjustable clamping members on the vertical rods, mirrors having supporting rods, said supporting rods adapted to extend through the adjustable clamping members, to adjustably support the mirrors, and said mirrors being mounted so that one mirror will reflect into the adjacent mirror.

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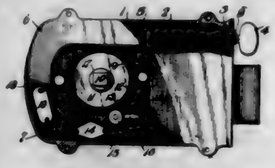
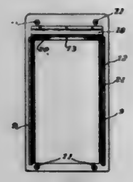
**1,565,292. DOOR-FASTENER ATTACHMENT FOR LOCKS.** ADOLPH POSTAL, Cook County, Ill. Filed June 19, 1924. Serial No. 721,116. 6 Claims. (Cl. 292—264.)



1. A device of the class described comprising in combination a lock, a safety chain movable within a groove, said groove being formed around the latching mechanism of the lock, and being covered by the bottom casing, means for urging the safety chain into the interior of said groove, a socket is provided at the opening of the groove, thereby preventing the withdrawal of the all safety chain, said safety chain being provided with a flat link which works in conjunction with a slotted socket mounted on the lock-catch.

**1,565,293. CAR-VESTIBULE DIAPHRAGM.** HARRY H. SCHROYER, Chicago, Ill., assignor to Morton Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 19, 1924. Serial No. 738,580. 4 Claims. (Cl. 105—17.)



3. A car vestibule diaphragm comprising two legs, a horizontal metal top with obliquely cut sides to allow angular movement between the two cars, laterally open pockets in said top slidably to receive the upper ends of said legs and thereby allow relative angular movement between the legs and top.

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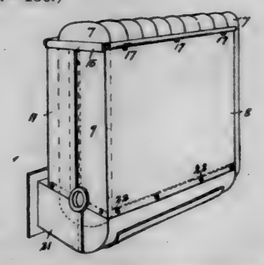
**1,565,294. HOUSING CONSTRUCTION FOR STEAM RADIATORS.** CLARENCE C. SHIPP, Indianapolis, Ind. Filed Sept. 15, 1924. Serial No. 737,728. 2 Claims. (Cl. 267—136.)



1. A radiator housing of sheet metal in a plurality of separable parts joined together at the ends of the housing by a slip-joint one side of which is channeled, channeled clamp-bars on each of said jointed ends having the housing ends inserted in the channels, and tie-rods holding the housing front and back against the ends of the clamp-bars and stiffening rolls on the edges of the housing, front and back, enveloping the tie-rod terminals.

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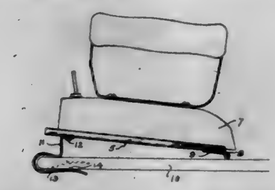
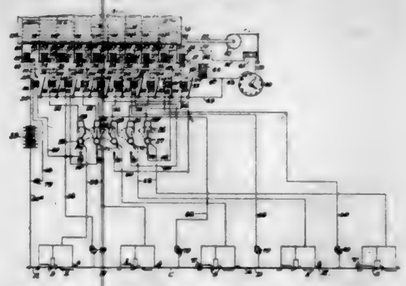
**1,565,295. IRON STAND.** CLARENCE C. SHIPP, Indianapolis, Ind. Filed Jan. 23, 1925. Serial No. 4,162. 3 Claims. (Cl. 68—27.)



2. An iron stand having a base substantially the shape of a sad iron, an upturned flange along one side of the base, an upturned flange along the opposite side of the base, said flanges having an opening therebetween at the forward apex of the base to permit the nose of an iron to project therethrough, a rear supporting leg, and a front supporting leg, said front leg being appreciably shorter than the rear leg, and an extension leg pivotally secured to said front leg.

**1,565,296. TRAIN-CONTROL SYSTEM.** PAUL J. SIMMEN, Eden, N. Y. Filed Apr. 15, 1922. Serial No. 553,204. 22 Claims. (Cl. 246—4.)



2. In a system of train control, the combination with a vehicle and a line of track, of an element associated with the track and upon which electric current may be impressed, central office means for energizing or de-energizing said element, electrical receiving devices in the vehicle, means for severally conditioning said devices in accordance with the condition of said element as affected by said first named means, means involving the co-operation of said vehicle and said element as initially de-energized by said first named means for automatically establishing an electric circuit between said vehicle and the central office and an electrical receiving device in said circuit.

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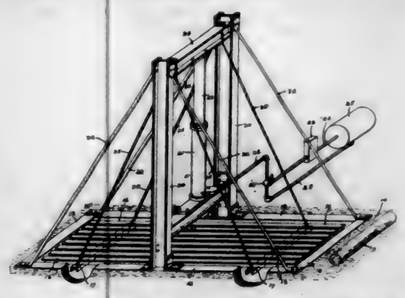
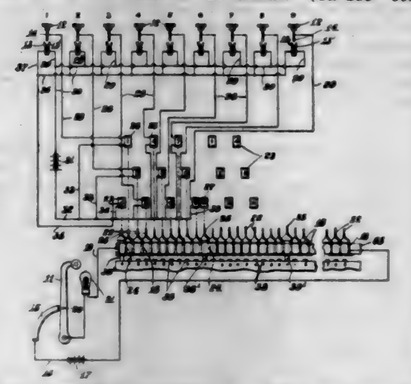
**1,565,297. VENEER VAT.** EDWARD B. VARNEY, Fall River, Mass. Filed July 29, 1925. Serial No. 46,927. 2 Claims. (Cl. 187—1.)



2. In combination, a sunken veneer vat having its mouth substantially flush with a log-supporting surface; and an auxiliary structure adapted to support a charge of logs in the vat in position for boiling, and to close the mouth of the vat, said structure comprising a platform constituting a false bottom movable vertically in the vat and formed to prevent entrance to the vat when raised, a supporting frame located above the vat, a hydraulic hoist including a vertical cylinder fixed to the frame, a ram movable vertically therein by hydraulic pressure, and a manually operable valve controlling the passage of hydraulic pressure to and from the cylinder, suspending connections between the ram and the platform including a cross head fixed to the ram and suspension members connecting the cross head with the platform, the hoist being operable to raise and lower the platform and hold it in any position to which it is movable, the frame, the hoist, and the connections between the hoist and the platform being arranged to permit movement of logs to and from the platform, the arrangement being such that the platform may be held in position to prevent entrance to the vat before a charge is inserted and after the charge is removed.



**1,565,298. STOP-CHECK-ANNOUNCING DEVICE FOR ADDING MACHINES.** MORTON WADDELL, New York, and MORRIS KATCHER, Brooklyn, N. Y. Filed Apr. 10, 1925. Serial No. 22,065. 17 Claims. (Cl. 235—60.)



7. In a stop-check announcer for adding machines, the combination of an electric signalling circuit, comprising spaced contact members corresponding to the keys of the adding machine, said members being connected in groups of ten for each nine keys of the adding machine, the extra member being the zero member while the other nine are the digit members, a circuit closer disposed in said signalling circuit and operatively connected with the handle of the adding machine, electrical circuit closing members arranged to normally close the gap between said digit members and other closing members to normally open the circuit at the zero members, electric means affected by operation of the keys of said adding machine to operate the closer digit members and the closer zero members of the same group to make and break the circuit between the corresponding contact members, and a rotating member having series of digit and zero contact members in operative relation to said spaced contact members, whereby gaps in the signalling circuit caused by the closing members may be closed by the corresponding selector members to effect a signal.

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**1,565,299. METHOD OF MAKING PISTON RINGS.** JACOB B. WENZEL, Bloom, Colo. Filed Oct. 23, 1924. Serial No. 745,535. 2 Claims. (Cl. 29—156.6.)

1. The method of making piston rings comprising the indenting of the ring on a flat face thereof, the indenting being done to a greater extent at the split portion and the point opposite thereto and gradually to a less extent toward the sides of the ring, that is, the points equidistant between the split portion and the point opposite thereto, and then grinding the flat faces so as to move the material to the lowest point of the indentations.

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**1,565,300. PROCESS FOR REDUCING SULPHATES AND THE LIKE.** ALFRED H. WHITE, Ann Arbor, Mich., assignor to John E. Alexander, Port Edwards, Wis., and E. G. Goodell, trustees, Stevens Point, Wis. Filed Oct. 18, 1924. Serial No. 744,410. 8 Claims. (Cl. 23—137.)

1. The process of forming metallic sulphide from a metallic salt of an oxygen acid of sulphur reducible to sulphide by heated carbonaceous material which includes heating said salt in the presence of carbonaceous material and an oxide of a metal, capable of reacting with carbon dioxide to form a carbonate with evolution of heat at the temperature at which such reduction is carried out, and sufficient in amount to form a carbonate with the principal part of the carbon dioxide evolved in the reduction, to a temperature above 300° C. and below the temperature at which the carbonate of the metal whose oxide was added, dissociates completely.

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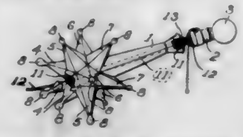
**1,565,301. INCLINABLE STAND.** CHARLES J. ANDRAE, St. Louis, Mo. Filed May 1, 1924. Serial No. 710,264. 2 Claims. (Cl. 240—53.)



1. An inclinable lamp holder comprising a hollow arm provided at one end with lamp-attaching means, and at the other end with an enlarged base, a plurality of legs tending radially of the base and having rounded tips, certain of the legs supporting the holder vertically and other legs supporting the holder at an incline, the rounded tips of the legs supporting the holder vertically being enlarged and constituting weights.

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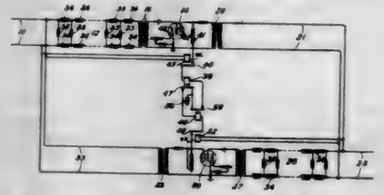
**1,565,302. TWO-WAY REPEATER CIRCUITS.** HAROLD D. ARNOLD, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 17, 1919. Serial No. 338,759. 31 Claims. (Cl. 179—170.)



1. The method of operating a repeater, which comprises putting said repeater in condition for repeating in response to signal currents to be repeated, delaying the flow of said signal currents to said repeater until said repeater is in condition for repeating, and then supplying said delayed currents to said repeater.

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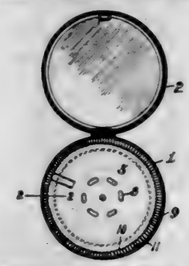
**1,565,303. VANITY CASE.** EDWARD W. BASSETT, Toledo, Ohio, assignor to The Celma Company, Toledo, Ohio, a Corporation of Ohio. Filed July 1, 1925. Serial No. 40,896. 5 Claims. (Cl. 132—83.)



1. In a vanity case, a flexible diaphragm removably mounted therein and cooperating with the case bottom to form a powder-receiving chamber, the diaphragm hav-

ing a binding around its marginal portion and embracing its edge to form a packing for engagement with the side wall of the case to provide a close joint therebetween.

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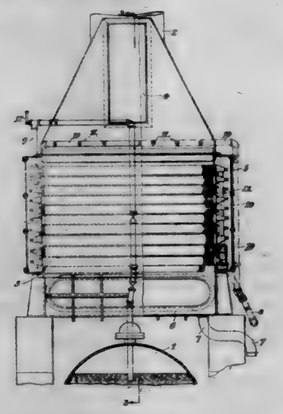
1,565,304. ECONOMIZER FOR STEAM BOILERS. JOHN E. BELL, Brooklyn, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed Nov. 7, 1919. Serial No. 336,284. 7 Claims. (Cl. 122—421.)



1. An economizer for steam boilers comprising in combination a bank of horizontally disposed tubular elements each having external circumferentially extending ribs and valved water supply means for discharging water downward onto the top of said bank of tubes to wash off the external tube surfaces.

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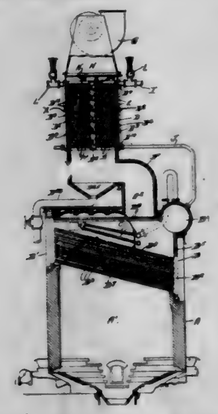
1,565,305. STEAM-GENERATING PLANT. JOHN E. BELL, Brooklyn, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed July 1, 1922. Serial No. 572,166. 8 Claims. (Cl. 122—421.)



1. In a steam generating plant comprising a boiler furnace and a boiler section having storage capacity for a variable amount of water, and having a steam and water space, the improvement which consists in an economizer section traversed by the boiler furnace heating gases after the latter have left the boiler section and through which water is passed into the boiler section, and formed of staggered rows of steel tubes encased in externally corrugated tubular cast iron sections, said tubes being so proportioned as to provide an aggregate economizer heating surface approximately as great as the aggregate boiler heating surface, and so spaced as to require a draft suction at normal load to move the heating gases through the economizer section at least as great as the draft suction required to move the heating gases through the boiler section.

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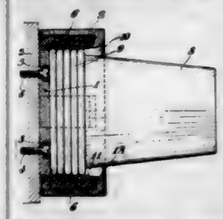
1,565,306. HOLDER FOR INDIVIDUAL DRINKING CUPS. SIMON BERGMAN, New York, N. Y., and JAMES D. REIFSNYDER, Weehawken, N. J., assignors, by mesne assignments, to Tulip Cup Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 18, 1921. Serial No. 438,104. 7 Claims. (Cl. 211—8.)



1. In a holder for drinking cups, the combination of a base member adapted to be secured to a vertical surface, and fixedly secured retaining means projecting out therefrom and having a delivery opening facing out therefrom, said means comprising resilient rubber and being adapted and constructed to permit the insertion through said opening of the open ends of a plurality of nested cups and the withdrawal of the cups from said opening one at a time, and to frictionally support and retain the nested cups substantially fixedly in horizontal position at all times as they project out from the vertical surface, said retaining means being comparatively short, so that the greater portion of the length of the nested cups extends unsupported.

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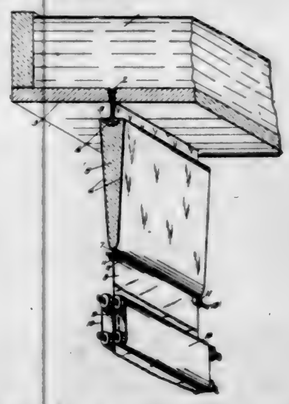
1,565,307. DRAWING SHEET GLASS. JAMES C. BLAIR, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 26, 1923. Serial No. 682,612. Renewed Feb. 19, 1925. 15 Claims. (Cl. 49—17.)



3. In apparatus for producing sheet glass, a source of molten glass, a slab or forming member down which glass flows from the source, means for drawing this glass from the slab in sheet form, and auxiliary drawing means acting only on the edge portions of the sheet adjacent the line of departure of the glass from the slab.



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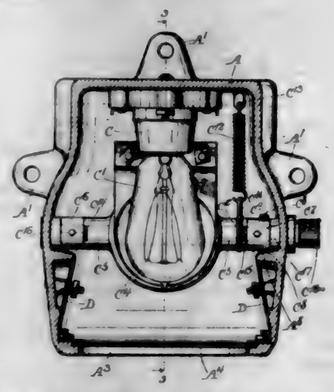
1,565,308. LOCOMOTIVE LIGHT. CHARLES W. DAKE, Chicago, Ill., assignor to The Pyle-National Company, Chicago, Ill., a Corporation of New Jersey. Filed Dec. 29, 1921. Serial No. 525,721. 1 Claim. (Cl. 240—23.)



In a light, a casing, and a single light source therein, said casing having an open bottom and an open front, the light from said light source adapted to shine through said open front, the light being adapted to shine directly through the open bottom of the casing, in combination with a pair of reflectors mounted within said casing, each adapted to reflect a beam of light laterally and downwardly through the open bottom of said casing, in combination with a movable shutter having transparent colored glass therein and adapted to be moved into the forward path of said light and adjustably to be moved behind said first mentioned reflector out of the path of said light.

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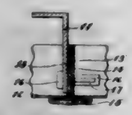
1,565,309. VERTICAL JOINT FOR WALL SHEETS. SPENSLEY S. DAYKIN and HARRY O. DAVIDSON, Cleveland, Ohio, assignors to The Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 27, 1920. Serial No. 361,885. 3 Claims. (Cl. 189—36.)



1. The combination with a column comprising a pair of flanged uprights, of flanged wall plates having their contiguous flanges arranged between the flanged uprights, a sealing strip interposed between said flanges, a slotted bolt passing through said flanges and strip and a wedge member passing through said bolt and bearing against one of said members to hold all of them firmly together.

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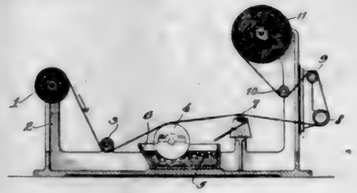
1,565,310. MARKING OR BRANDING OF CARBON PAPER. HAROLD W. A. DIXON, Hollis, N. Y., assignor to Columbia Ribbon & Carbon Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 5, 1924. Serial No. 730,807. 7 Claims. (Cl. 91—67.9.)

2. The process which consists in applying the transfer material to a backing sheet, heating different parts of the backing to different temperatures to cause the amount of transfer material absorbed by different parts of the backing sheet to be varied and then chilling or coating the transfer material to produce a defined marking on the backing.



6. A transfer sheet selected portions of which contain less absorbed transfer material than other portions to provide a design on the sheet contrasting in color with the remainder of the sheet.

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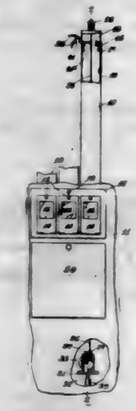
1,565,311. MAIL ELEVATOR. DANIEL A. DORAN, Yonkers, N. Y. Filed Dec. 9, 1922. Serial No. 605,788. 11 Claims. (Cl. 187—4.)



5. In an apparatus of the class described, a shaft, a member mounted in and movable through said shaft from one end thereof to the other, an endless cable to which said member is secured and by means of which the same is operated, said cable passing over a pulley at the upper end of the shaft, means involving an electric motor at the lower end of the shaft for operating said cable and said member to positively drive said member upwardly and downwardly through the shaft, said last named means being mounted on a movable support, whereby the weight thereof will take up the slack in said cable, tensional means for partially supporting said movable support, said member being provided with resilient guide members to permit of its free passage through said shaft, the body portion of said member being arc-shaped in form, tensional means for securely holding mail in connection therewith, said motor being in an electric circuit, means automatically actuated by said member for controlling the circuit to said motor, other means for controlling the circuit to said motor, and means independent of said last named means for opening and closing the motor circuit.

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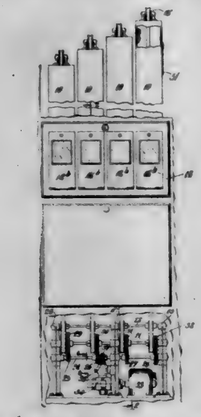
1,565,312. MAIL ELEVATOR. DANIEL A. DORAN, Yonkers, N. Y. Filed Oct. 2, 1923. Serial No. 668,077. 18 Claims. (Cl. 187—4.)

1. An apparatus of the class described comprising an endless conveyor, a carrier mounted in connection with

said conveyor, means involving a power unit and transmission for actuating said conveyor to move said carrier from one point to another, said last named means being



automatically controlled, and means involving said first named means for reversing the direction of travel of said carrier.

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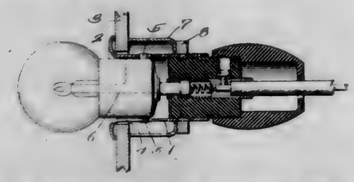
1,565,313. CIRCUIT CONNECTER. HARRY A. DOUGLAS, Bronson, Mich. Filed Oct. 6, 1921. Serial No. 505,728. 3 Claims. (Cl. 173—339.)



1. The combination with a cylindrical shell having a flange at one end and formed with a bayonet channel adjacent said flange; of a mounting through which said shell is extended and having one side engaged by said flange; a washer surrounding the shell and bodily movable along the same, said washer having a cylindrical skirt portion that surrounds said bayonet channel and whose internal diameter is larger than the external diameter of said shell and whose inner end is in engagement with the other side of said mounting, the other end of said washer being formed with an end wall having a circular opening therein whose diameter is less than the inner diameter of the cylindrical portion of the washer; and a nut in threaded engagement with said shell and bearing against said end wall of the washer to clamp the mounting between the washer and the flange upon the shell.

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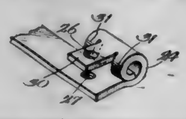
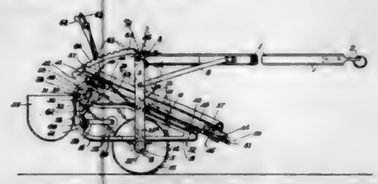
1,565,314. ELECTRICAL CONNECTER. HARRY A. DOUGLAS, Bronson, Mich. Filed Oct. 20, 1923. Serial No. 669,789. 1 Claim. (Cl. 173—259.)



A wire receiving clip comprising a U shaped piece of sheet metal apertured in its ends to receive a bolt and having one side inclusive of an intermediate portion, which is the apertured part of this clip side, and two outer lateral portions which are curled against the opposite side of the clip base.

1,565,315. IMPLEMENT OR MACHINE FOR HARVESTING MAIZE. DANIEL JACOBUS DU PLESSIS, Koster, Transvaal, South Africa, assignor of one-third to Joseph Dearlove Hardy Verster, Koster, Transvaal, South Africa. Filed June 9, 1920. Serial No. 387,736. 5 Claims. (Cl. 56—118.)



1. An implement for harvesting maize, including a pair of co-operating chains, the links of which are provided with fingers which operate to detach the ears from the stalks of the plants, and a road wheel which serves as a roller for holding the stalks of the plants and drawing them down through the fingers of the co-operating chains.

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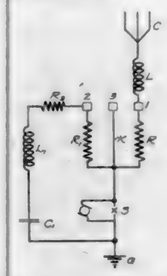
1,565,316. METHOD OF AND APPARATUS FOR CONTROLLING ALTERNATING CURRENTS. WILLIAM A. EATON, Arlington, Va., assignor to Radio Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Mar. 25, 1920. Serial No. 368,661. 15 Claims. (Cl. 250—19.)



14. The method of transferring the energy of an arc-type oscillation generator from a main work circuit to an auxiliary circuit, which consists in momentarily connecting the previously de-energized circuit in shunt to the previously energized circuit, and then rendering said previously energized circuit substantially non-oscillatory.

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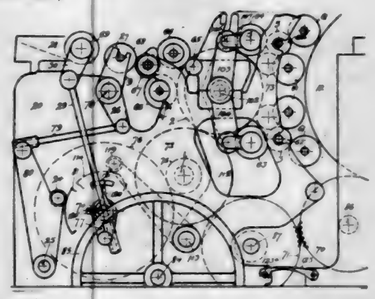
1,565,317. INKING MECHANISM FOR PRESSES. FRED S. ENGLISH, New London, Conn. Filed June 30, 1923. Serial No. 648,844. 6 Claims. (Cl. 101—351.)



1. In a press the combination of a press having a plate or form cylinder and a gear, a carriage movable toward and from said cylinder and having inking mechanism carried thereon, including a gear adapted to mesh with said first gear, indicating means associated with the inking mechanism on said carriage and indicating means associated with said press, whereby when said carriage is moved toward said cylinder said gears may be caused to mesh in predetermined relation.



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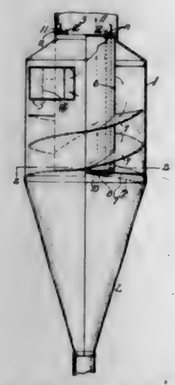
1,565,318. SEPARATOR. ERNEST F. FISHER, St. Louis, Mo. Filed Apr. 6, 1925. Serial No. 21,052. 4 Claims. (Cl. 183—86.)



1. A separator of the character described comprising a cylindrical casing having a tangentially disposed inlet for dust laden air, an air outlet at the top thereof, and a conical hopper at the bottom thereof, an air receiving cylinder communicating with said outlet and disposed within the casing, said cylinder having its axis coincident with that of the casing, a plurality of helical vanes between the casing and cylinder, the lower ends of said vanes being movable and being provided with suitable extensions contiguous to the lower end of the aforesaid cylinder, and means for adjusting the plane of inclination of the vane terminals and the extensions to and from the cylinder.

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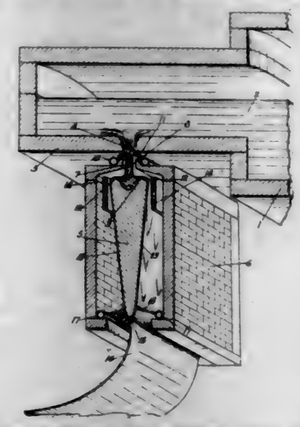
1,565,319. FORMING SHEET GLASS. ARTHUR E. FOWLE, Toledo, Ohio, assignor to the Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 11, 1924, Serial No. 691,941. Renewed Feb. 26, 1925. 10 Claims. (Cl. 49—17.)



5. In an apparatus for producing sheet glass, a receptacle for molten glass having a slot or orifice in the bottom thereof through which a stream of molten glass may flow, means for directly applying heat to the surfaces of this stream as it leaves the slot, a slab positioned below the slot having a longitudinal recess in its upper end for receiving the fluid glass which flows therefrom in thin film form down the converging outer sides of the slab, means for cooling the fluid glass as it overflows the upper edges of the slab, the downwardly flowing glass films uniting at the lower edge of the slab to form a single sheet of glass, and means for reheating the films adjacent the lower edge of the slab.

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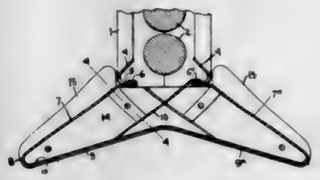
1,565,320. WRINGER. WALTER A. FRANTZ, Cleveland, Ohio. Filed Mar. 20, 1922. Serial No. 545,146. 5 Claims. (Cl. 68—32.)



1. As an article of manufacture, a member adapted to be attached outside the bottom of a wringer frame and to project laterally of said frame at both sides, the projecting portions being sloped downwardly from the wringer rolls so as to form chutes, and a shelf portion beneath one of said chutes adapted to return water from the rolls to a tub independently of the chute.

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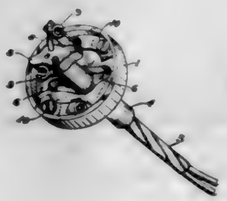
1,565,321. ELECTRIC CONNECTION. WALTER A. FRANTZ, Cleveland, Ohio. Filed Feb. 16, 1923. Serial No. 619,427. 10 Claims. (Cl. 173—328.)



1. An electric cord having a fabric sheath and a flexible soft rubber protecting sleeve molded upon and adhesively attached to said sheath adjacent to its end, the remainder of said sheath remaining naked.

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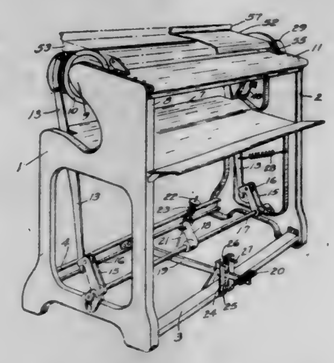
1,565,322. IRONING MACHINE. EMIL GRUENFELDT, Cleveland, Ohio, assignor to The Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 30, 1921. Serial No. 456,973. 2 Claims. (Cl. 68—9.)

1. In an ironing machine, a supporting frame, an ironing roll, an ironing shoe engageable with the roll, arms pivoted to the frame and rigidly connected to the shoe, said arms extending downwardly to adjacent the base of the frame, a crank shaft mounted in the base of the

frame, a crank shaft mounted in the base of the frame, crank arms fixed thereto and in engagement with said



pivoted arms, an operating arm fixed to said crank shaft, a pedal lever beneath said crank shaft and a spring connection between said lever and operating arm.

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1,565,323. METHOD OF COOLING INTERNAL-COMBUSTION ENGINES. HARRY C. HAAK, Scranton, Pa., Filed Jan. 7, 1922. Serial No. 527,721. 3 Claims. (Cl. 252—5.)

1. The method of cooling an internal combustion engine which consists in circulating a frigorific medium thereabout composed of a high boiling mineral oil including a minor quantity of carbon tetrachloride varying from 5 to 15% of the final product.

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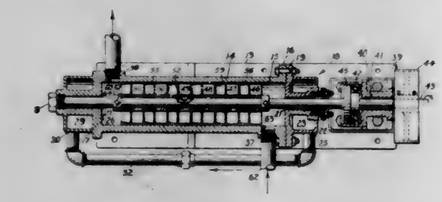
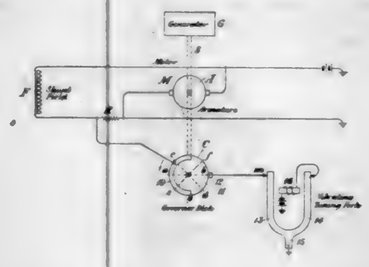
1,565,324. ROTARY PUMP. EMANUEL W. HARTMAN, Oakland, Calif. assignor to Hartman Interests, Inc., Los Angeles, Calif., a Corporation of Nevada. Filed Sept. 23, 1924. Serial No. 739,379. 4 Claims. (Cl. 103—89.)



1. In a pump of the character described, a cylinder having a bore with an open end and a closed end, a cover for the open end, a shaft adapted to be supported in the said ends, a series of spaced impellers supported on the shaft between said ends, and a series of deflector rings adapted to be supported in and to the cylinder and between the impellers; said closed end and the cover for said open end each provided with a bearing for the said shaft, a chamber surrounding each bearing and each chamber having an inlet and an outlet and a communication between the chambers for the passage of a liquid to effect the cooling of the said bearings; and the said cylinder having near its open ends a suction inlet and near its closed end a discharge outlet, and a communication leading from the outlet of the chamber at the closed end to the said suction inlet whereby the cooling liquid may be circulated through the pump.

1,565,325. MEANS FOR REGULATING MOTORS. JOSEPH HERMAN, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 5, 1923. Serial No. 661,069. 4 Claims. (Cl. 172—293.)



1. A motor regulating arrangement comprising a motor to be regulated, a circuit interrupting commutator driven thereby, a steadily vibrating circuit interrupter whose speed of interruption is independent of said motor, and a circuit extending serially through the contacts of said interrupters for controlling the electrical constants of said motor, the relative length of times that said circuit is opened and closed depending upon the synchronism between said interrupters.

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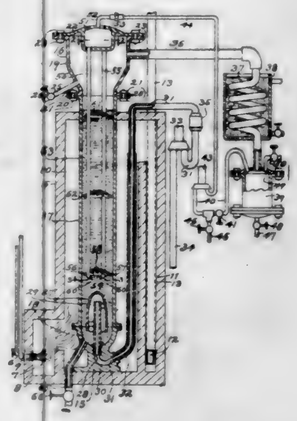
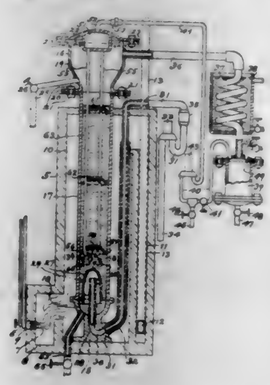
1,565,326. ART OF CRACKING HYDROCARBONS. FRED G. NIECE, Cleveland, Ohio, assignor to the International Holding Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 7, 1921. Serial No. 482,964. 10 Claims. (Cl. 196—70.)



1. In the art of cracking hydrocarbons, a process which comprises subjecting to a condensing temperature hydrocarbon vapors and gases passing from a hydrocarbon-cracking chamber, feeding other hydrocarbon into a molten body through an inner chamber in said molten body, and while hydrocarbon is discharged from said inner chamber into said molten body effecting the subjection, to the heat of and within said molten body, of hydrocarbon gases and vapors remaining uncondensed during the subjection of the first-mentioned vapors and gases to the aforesaid condensing temperature.



1,565,327. APPARATUS FOR CRACKING HYDROCARBONS. FRED G. NIECE, Cleveland, Ohio, assignor to The International Holding Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed July 7, 1921, Serial No. 482,964. Divided and this application filed July 13, 1921. Serial No. 484,293. 13 Claims. (Cl. 196—118.)



9. Apparatus of the character indicated comprising a hydrocarbon-cracking receptacle which has a vapor-outlet and contains a molten body penetrable by hydrocarbons and not vaporizable at the required hydrocarbon-cracking temperature, a condenser, means for feeding hydrocarbon gases and vapors to the condenser from the aforesaid vapor-outlet, an inner chamber formed within and discharging into said molten body, means for feeding hydrocarbon into the molten body through said inner chamber, and means for feeding, into said molten body and externally of said inner chamber, gases and vapors which have passed uncondensed through the condenser.

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1,565,328. POROUS MASS AND PROCESS OF PREPARING THE SAME. ARTHUR B. RAY, Flushing, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed Oct. 28, 1921. Serial No. 511,171. 3 Claims. (Cl. 23—246.)

1. A process of preparing a porous filling material for acetylene storage tanks, which comprises bonding fragmentary activated carbon with a bonding agent not substantially impairing its absorptive capacity.

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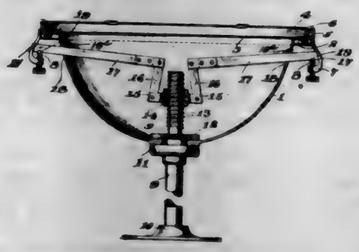
1,565,329. KETTLE DRUM. GEORGE M. ROBISON, Denver, Colo. Filed May 9, 1923. Serial No. 637,852. 1 Claim. (Cl. 84—419.)



In a kettle drum having a body rotatable on a standard, said standard projecting and threaded within said body and a head secured marginally in a ring slidable over the body, a nut threaded to co-mate with the threaded standard within the body and provided with a plurality of radial lugs, a plurality of radial levers, connecting links pivotally securing said levers by one end to said radial lugs, and a plurality of clamps, each connecting the outer end of a radial lever, with the drumhead ring.

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1,565,330. BALL BEARING. WINFIELD S. ROGERS, Bantam, Conn., assignor to The Bantam Ball Bearing Company, Bantam, Conn., a Corporation of Connecticut. Filed Jan. 15, 1925. Serial No. 2,572. 3 Claims. (Cl. 308—196.)

1. A ball-bearing comprising an outer ring having an interior annular shoulder and a ball-race of which said shoulder forms a portion, the opposite edge of said outer ring exteriorly provided with an annular inset, an inner race-ring having an exterior annular shoulder and a ball-race of which said shoulder forms a portion, balls rotatable between said races, a flanged ring whose inner diameter is less than the outer diameter of said inset, said flanged portion, at a right-angle to its ring projecting over said balls, and said flanged portion being molecularly expanded by heat and shrunken to fit said inset portion of said outer bearing-ring, thus preventing the component members from being dis-assembled, and thereby forming a complete bearing unit.

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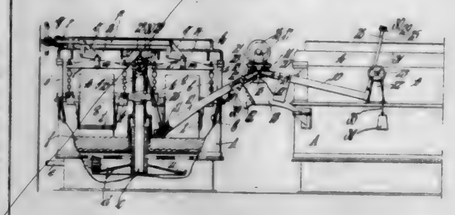
1,565,331. EMPTYING DEVICE FOR MELANGEURS. ROBERT SAVY, Paris, France. Filed Mar. 21, 1923. Serial No. 626,692. 7 Claims. (Cl. 214—17.)



1. Apparatus for removing material from a movable member, comprising, conveying means having its receiving end overlying said member and movable toward and away from the same, means for positively driving said conveying means independently of the movement of said member during a predetermined range only of the movement of said end, and controlling means for said driving means operable to start the conveying means as said end enters said range on approaching said member and to stop said conveying means as said end leaves said range in its movement away from said member.

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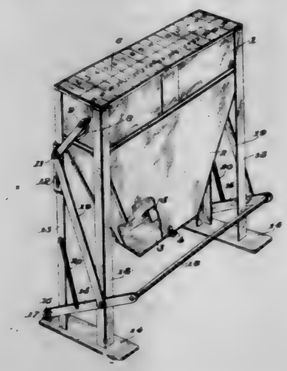
1,565,332. DROP COUNTER. THEODORE B. SCHIMPFF, Scranton, Pa. Filed Sept. 25, 1924. Serial No. 739,955. 4 Claims. (Cl. 232—1.)

1. A drop counter and money receptacle comprising a substantially rectangular shaped body portion, a door hinged at the bottom thereof, a platform hinged at the top of said body member, means for supporting said body member, said body member being provided with oppositely disposed arcuate slots in its ends, a foot

operated device pivoted to said supporting means, a crank connected with said drop platform and extending through said arcuate slots, a link connected between said



foot operated mechanism and said drop platform, whereby when said foot mechanism is depressed the drop platform will also be depressed.

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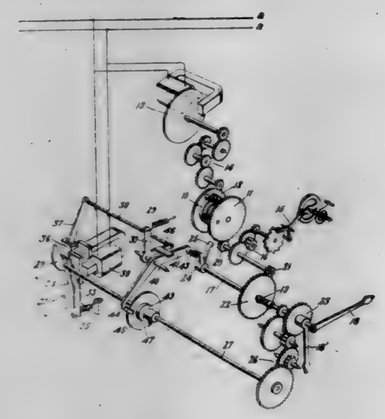
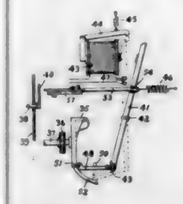
**1,565,333. ELECTRIC CLOCK.** FRANK J. SEABOLT, Schenectady, N. Y., assignor to Service Clock Company, a Corporation of New York. Filed Feb. 20, 1924. Serial No. 693,954. 13 Claims. (Cl. 58—34.)



8. The combination with a clock mechanism of means for setting the hands thereof comprising a V shaped element on the minute hand arbor, an electromagnet, a two part setting mechanism one part of which parts is gradually moved with the hand against a bias into holding engagement with the magnet, the other part following said first part quickly when the hands reach a predetermined position, means whereby the second part holds the first part against movement when the latter is released by the magnet unless the hands are in a certain position, said first part in moving in response to its bias carrying the second part with it into engagement with the V shaped element to set the hands.

**1,565,334. ELECTRIC CLOCK-SETTING MEANS.** FRANK J. SEABOLT, Schenectady, N. Y., assignor, by direct and mesne assignments, to Service Clock Company, Inc., a Corporation of New York. Filed Jan. 2, 1914. Serial No. 809,849. 22 Claims. (Cl. 58—34.)



22. A setting device for a clock comprising a setting element biased to a predetermined position and arranged to set the hands in moving to said position, a magnet for holding the said device against the bias and means for moving the said element into the control of the magnet.

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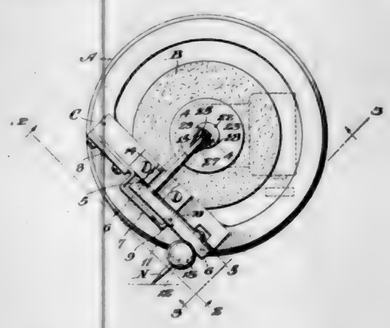
**1,565,335. REPRODUCER FOR LATERAL-CUT RECORDS.** CHARLES E. SEMPLE, Jr., Youngstown, Ohio. Filed Feb. 14, 1924. Serial No. 692,888. 6 Claims. (Cl. 274—35.)



1. A sound reproducer of the class described including a diaphragm, a needle bar, a connection between the needle bar and the diaphragm comprising clamping devices respectively disposed against the inner and outer faces of said diaphragm, and a link rod extending outwardly from the inner clamping device through the diaphragm and the outer clamping device and having its outer end connected with the arm of said needle bar, and a spring interposed between the outer clamping device and the arm for imparting opposing tensioning forces to the diaphragm, said spring being formed from a single length of wire bent intermediate its ends to form curved arms, the connecting portion betwen the arms being disposed against the arm of the needle bar and the free ends of the spring engaging the outer clamping device.

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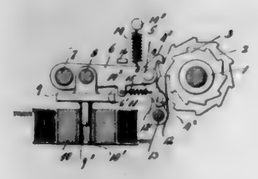
**1,565,336. FILM-FEEDING MECHANISM FOR CINEMATOGRAPHS.** FRIEDRICH SEUFERT, Munich, Germany, assignor to Hermann Seufert. Filed May 16, 1924. Serial No. 713,733. 1 Claim. (Cl. 74—54.)

In a film feeding device, the combination with the film feeding shaft, of two ratchet wheels fixed on said shaft, an electro-magnet, a spring actuated lever having a stationary fulcrum and from which is pivotally suspended the armature of said electro-magnet, a spring actuated



double armed lever pivoted to said first named lever and of which one arm cooperates as pawl with one of said ratchet wheels and a second pawl having a stationary



fulcrum and cooperating with said second ratchet wheel, said second pawl being adapted to slidably engage the second arm of said double armed lever.

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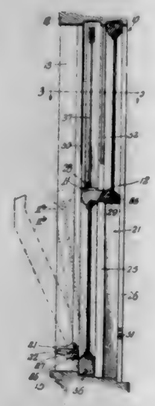
**1,565,337. WINDOW CONSTRUCTION.** JOSEPH SYLVAN, Cicero, Ill. Filed June 21, 1922. Serial No. 569,806. 4 Claims. (Cl. 20—49.)



1. In combination with a window frame and a sash therein capable of both a vertical sliding and an inward swinging movement, a plate fixed to the side-member of the frame near its bottom end, said plate having a slot which opens through that edge of the plate adjacent the sash and having a notch which opens into said slot from below, and a laterally extending stud on the sash so positioned with reference to said plate that, in the vertical movement of said sash, said stud will freely pass said plate but in the inward swinging movement thereof, said stud will enter the plate slot to be engaged either in said notch or in the closed end of the slot to hold the sash in different angularly inclined positions.

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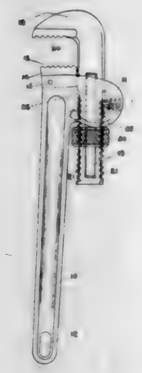
**1,565,338. WRENCH.** WILLIAM O. THEWES, North Ridgeville, Ohio, assignor to The Ridge Tool Company, North Ridgeville, Ohio, a Corporation of Ohio. Filed Sept. 20, 1923. Serial No. 663,741. 4 Claims. (Cl. 81—101.)

1. A wrench comprising a stationary shank having a handle portion, a channeled housing extending from said shank, said housing having a recess therein opening into the channel, a slidable shank extending through said housing, jaws carried by said shanks, a shoe engaging said movable shank within the channel in said housing, said shoe having lugs protruding therefrom, a coil spring seated within the recess in said housing and bearing



against said shoe, said spring surrounding the lugs on said shoe, and means to secure said movable shank in desired operative position relative to said stationary shank.

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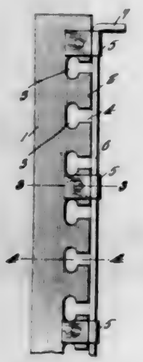
**1,565,339. FENCEPOST.** JOHN T. THOMPSON, Wheatland, Iowa. Filed Dec. 26, 1923. Serial No. 682,786. 2 Claims. (Cl. 256—52.)



2. An angle iron fence post having one flange provided in its free edge with a plurality of longitudinal spaced transversely extending T-shaped openings with the head of the T arranged longitudinally of the flange and the stem thereof opening through the edge of the flange thereby forming wire receiving seats to hold the wire against accidental release from the post, and keepers carried by said flange and extending beyond the free edge thereof to receive a securing rod.

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**1,565,340. MANUFACTURING SCISSORS AND THE LIKE.** OSKAR TREIBER, Solingen, Germany. Filed May 28, 1925. Serial No. 33,359. 1 Claim. (Cl. 76—104.)

The method of manufacturing scissors, and the like, consisting in providing a longitudinally extending blank

with longitudinal end extensions, shaping its sides to provide a substantially straight edge on one side adjacent one end extension and a convex edge on the opposite side adjacent the other end extension, shaping the blank by means of a wedge-like die lengthwise of said blank on a line at an angle to the median line thereof and extending from the straight edge to the convex edge, thereby defining the two blades of the scissors, connected along their cutting edges, one terminating in the straight back edge and the other terminating in the convex back edge whereby when the blades are finished one blade will have a rounded end and the other blade will have a sharpened end, securing ears to the end extensions, severing the defined blades, and pivotally connecting the blades.

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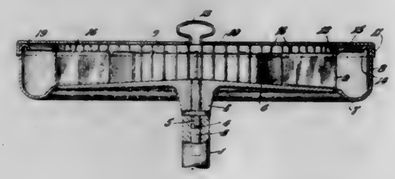
1,565,341. APPARATUS FOR SHELLING CRUSTACEA. KARL D. UMRATH, St. Louis, Mo. Filed Apr. 4, 1924. Serial No. 704,132. 13 Claims. (Cl. 17—2.)



1. Apparatus for shelling Crustacea comprising, a pan adapted and mounted for rotation at high speed, said pan having a perforate circumferential partition or grating dividing the same into inner and outer compartments adapted to respectively receive the shells and the meat thrown therefrom, while said grating is adapted to retain the shells, the outer wall of said pan and said grating being fixed to the body of said pan in order to rotate in unison.

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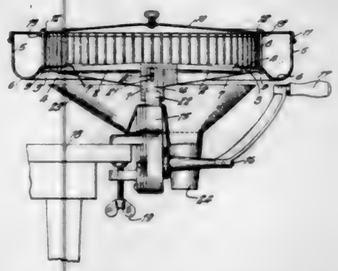
1,565,342. APPARATUS FOR SHELLING CRUSTACEA. KARL D. UMRATH, St. Louis, Mo. Filed Nov. 14, 1924. Serial No. 749,881. 12 Claims. (Cl. 17—2.)

1. An apparatus for shelling Crustacea comprising, a pan adapted and mounted for rotation on its axis at high speed, means for retaining the shells in order to cause the meat to be thrown therefrom into said pan, and means whereby the shells may be discarded through the bottom of said pan.



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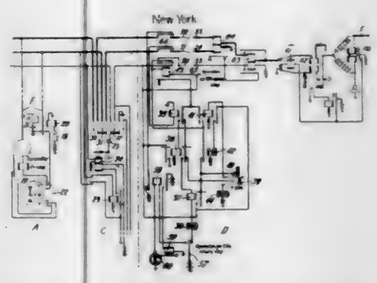
1,565,343. PRINTING-TELEGRAPH-EXCHANGE SYSTEM. GILBERT S. VERNAM, River Edge, N. J., and DONALD B. PERRY, Yonkers, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 10, 1923. Serial No. 674,009. 6 Claims. (Cl. 178—2.)




1. In a telegraph system, a plurality of printing telegraph stations located at distant cities, printing telegraph and impulse sending devices at each of the stations, a plurality of telegraph lines extending between said cities, machine switching apparatus responsive to the operation of said impulse sending device for seizing one of said telegraph lines, machine switching apparatus at the other end of said line, means responsive to the seizure of said telegraph line for sending a preliminary impulse thereover to condition said second mentioned machine switching apparatus for operation, and means operated due to the further operation of said impulse sending device for operating said machine switching apparatus to extend the connection to another of said printing telegraph stations.

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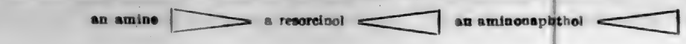
1,565,344. BROWN TRISAZO DYESTUFFS AND PROCESS OF MAKING SAME. BARTHOLOMÄUS VOSSEN, of Hochst-on-the-Main, Germany, assignor, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 17, 1924. Serial No. 756,550. 11 Claims. (Cl. 260—72.)

1. The process of producing brown trisazodyestuffs consisting in synthesizing trisazodyestuffs according to the following scheme:






1,565,345. PROCESS OF PRODUCING METHYL ALCOHOL AND METHYLENE CHLORIDE FROM METHANE. JOSEF WEBER, Essen, and PAUL ERASMUS, Berlin-Wilmersdorf, Germany, assignors to the firm Th. Goldschimdt A.-G., Essen, Germany. Filed Apr. 8, 1925. Serial No. 21,690. 3 Claims. (Cl. 260—156.)

1. In processes for the production of methyl alcohol by causing methyl chloride gas to react in a closed chamber under pressure and at an elevated temperature with milk of lime, the steps which consist in introducing the methyl chloride admixed with methylene chloride into the closed chamber, and withdrawing unabsorbed gas comprising methylene chloride from the chamber.

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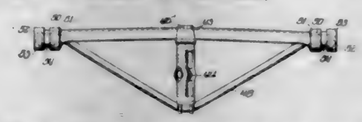
1,565,346. BRAKE BEAM AND METHOD OF MAKING SAME. LOREN L. WHITNEY, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 10, 1923. Serial No. 611,726. 6 Claims. (Cl. 29—164.)



3. The method of securing together the ends of the tension and compression members of a truss type of brake beam consisting in expanding the end portions of the compression member, then folding said expanded ends around the tension member, and then forging shoulders on the ends of said tension and compression members to firmly connect same and form brake head trunnions.

6. A brake beam including tension and compression members connected at their outer ends, said tension member having shoulder portions, and said compression member also having shoulder portions embracing the shoulder portions on said tensions member for cooperating to securely hold together said tension and compression members.

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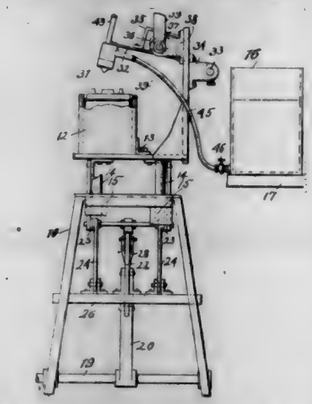
1,565,347. APPARATUS FOR FILLING STORAGE-BATTERY CELLS WITH ELECTROLYTE. ALFRED R. WILLARD, East Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed Dec. 7, 1921. Serial No. 520,553. 3 Claims. (Cl. 226—22.)



1. In an apparatus for filling battery cells with electrolyte, means for supporting the cells to be filled comprising a frame and a vertically movable cell support on the frame adapted to hold the cells in upright position during vertical movement, a receptacle adapted to contain the electrolyte, a filling nozzle connected to said receptacle, a nozzle supporting member carried by said support and movable vertically with respect thereto, means for moving the nozzle down onto a cell so as to make a tight connection therewith, and means for lowering the support to a position in which the electrolyte will pass by gravity from the receptacle to the cell, and for raising the support to a position in which the excess electrolyte will drain back into the receptacle, said nozzle having a passage way for the flow of the electrolyte and a passageway for the escape of air, with provision whereby a quantity of electrolyte may be received and retained by the nozzle during the filling operation in excess of that required to fill the cell.

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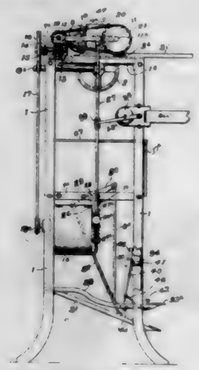
1,565,348. IRONING MACHINE. WILLIAM A. ZEIDLER, New York, N. Y. Filed Jan. 5, 1921. Serial No. 435,211. 8 Claims. (Cl. 68—9.)



1. In a domestic ironing machine, a frame, a horizontal cylindrical heated drum journaled therein, a pair of parallel horizontal rolls of smaller diameter then said drum and located above the same, connecting links at each end of said rolls to which both rolls are journaled, other links pivoted to said frame and to said first links, means for driving said rolls, and operating means connected to said first links for raising and lowering the same.

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1,565,349. LUBRICATING APPARATUS. OSCAR ZERK, now by judicial change of name Oscar Ulyssen Zerk, Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Filed Mar. 14, 1921. Serial No. 452,127. 13 Claims. (Cl. 285—170.)

1. In a device of the class described, a cup having a slotted flange on one end, jaws in said slots, and having portions extending within the circumference of said cup and movable radially with relation thereto, whereby the device is adapted for connection with another member.

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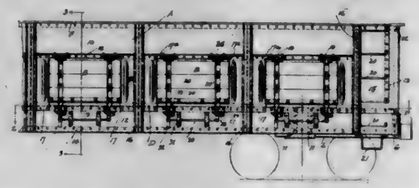
1,565,350. DUMP CAR. ALBERT E. ZIMMER, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 28, 1923. Serial No. 628,177. 9 Claims. (Cl. 105—243.)

1. In a side element for railway cars, the combination with an upper load carrying chord comprising a

plate of extended depth disposed edgewise to the load; of a lower load carrying chord of similar construction, said chords being spaced apart to provide a dumping opening therebetween; a plurality of spaced members be-



tween said upper and lower chords, said spaced members being rigidly secured to the chords respectively, said chords and spacing members together constituting a single rigid structure; and dumping doors adapted to close the dumping space.

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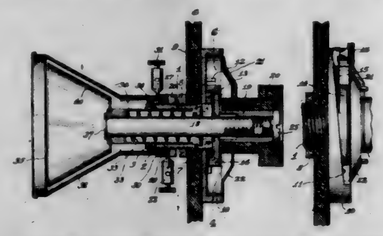
1,565,351. CONDENSER. HAROLD SCOTT DODSON and WILLIAM H. SHIREY, Detroit, Mich. Filed July 26, 1922. Serial No. 577,541. 3 Claims. (Cl. 250—41.)



1. A condenser comprising inner and outer condenser members with the inner condenser member arranged to be adjusted relative to the outer condenser member, a reciprocatory member coaxially of the inner condenser member, a tubular member on said reciprocatory member supporting said inner condenser member, a cam surface adjacent said reciprocatory member, a lever articulated with said reciprocatory member and adapted to bear on said cam surface and cause reciprocation of said reciprocatory member and coarse adjustment of said inner condenser member relative to said outer condenser member, and a secondary adjusting member supported adjacent said lever and adapted by rotation to cause a fine adjustment of said reciprocatory member and said inner condenser member relative to said outer condenser member.

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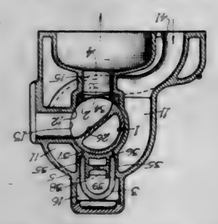
1,565,352. INTERNAL-COMBUSTION ENGINE. JAMES B. ELLIS, Harvey, Ill., assignor of one-half to Charles M. Bradley, Harvey, Ill. Filed Apr. 28, 1923. Serial No. 635,204. 2 Claims. (Cl. 123—59.)



1. In an internal combustion engine, the combination with a cylinder and a crank case the latter of which is adapted to contain oil, of a valve casing having a port providing communication between said casing and cylinder, a cylindrical valve rotatably mounted in said casing and arranged to control the opening and closing of said port, an oil vapor chamber located above said valve and communicating with said crank case, and a wick arranged in said chamber and extending through said casing to a point adjacent said valve, said casing having an oil passage leading from said wick to the periphery of said valve.

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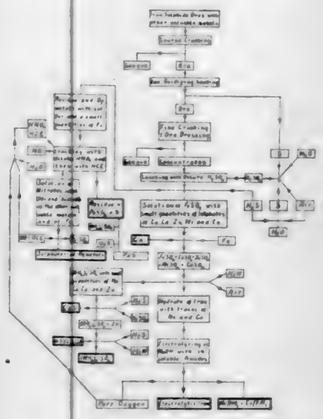
1,565,353. TREATMENT OF IRON SULPHIDE ORES CONTAINING OTHER METALS. AXEL TEODOR KONSTANTIN ESTELLE, Hagen, Germany. Filed June 12, 1925. Serial No. 37,394. 7 Claims. (Cl. 204—15.)



1. A metallurgical process comprising treating sulphide iron ores containing other valuable metals with non-oxidizing heat, cooling and comminuting the ore, concentrating the same, leaching with dilute sulphuric acid, removing the copper from the solution produced, crystallizing the sulphate of iron, treating the crystallized mass with ammonia vapour and air, drying the product, washing out and discharging the ammonium sulphate from other metals and crystallizing the same.

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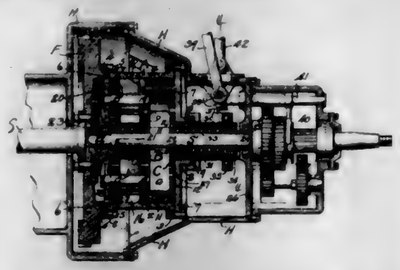
1,565,354. TOILET ARTICLE. GEORGE R. FARRELL, Leominster, Mass., assignor, by mesne assignments, to Standard Pyroxoloid Corporation, Leominster, Mass., a Corporation of Massachusetts. Filed Nov. 15, 1923. Serial No. 675,008. 4 Claims. (Cl. 45—98.)

1. As an article of manufacture, a hand mirror having a back of thin sheet pyroxylin inturned at its edge to form a surrounding wall at the edge and having a flat surface at the end of said wall, a front formed in substantially the same way but having a depression for the glass, the two parts being placed together so that their inturned edges register with each other, an outline strip of contrasting pyroxylin inserted between said edges all around the mirror, and plastic material inserted and completely filling the space between the back and front and within the outline strip.



1,565,355. FLUID CLUTCH. JOSEPH E. FARRELL, Jr., Lancaster, Pa. Filed Apr. 18, 1922. Serial No. 555,176. 8 Claims. (Cl. 192—58.)



1. A fluid clutch device including an engine driven unit, a propeller unit arranged therein and providing an oil channel, rotary abutments carried by the propeller unit and operatively connected to the engine driven unit, and a slidable control unit having means for throttling the oil channel.

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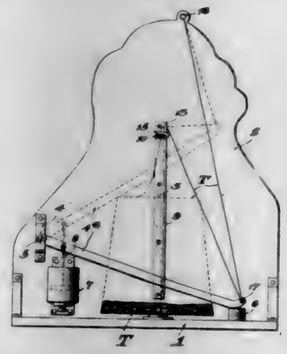
1,565,356. ADVERTISING DEVICE. JAMES E. FARRELL, Throop, Pa., assignor of one-fourth to George Gelatt, Scranton, Pa. Filed Aug. 1, 1924. Serial No. 729,543. 6 Claims. (Cl. 40—125.)



1. In an advertising device, a relatively stationary member formed to receive advertising matter and having the representation of a sound emitting media thereon, a source of twine supply rearwardly of the member and concealed thereby, a lever independent of the member, and pivoted at one end to the rear thereof and concealed thereby, sounding means also rearwardly of the member and concealed thereby, said sounding means being formed to imitate sound emitted by the representation, the lever being formed at its free end to be engaged by the twine so as to be actuated upon paying-out of the twine, and means to operate the sounding means by the lever movements.

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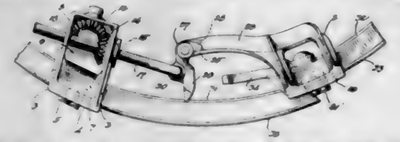
1,565,357. RIM TOOL. WILLIAM FRICK and FRANK KLIMA, Detroit, Mich. Filed Feb. 21, 1924. Serial No. 694,230. 1 Claim. (Cl. 157—1.)

A rim adjusting tool comprising rim gripping members, a rigid shank carried by one of said members, housing carried by the other of said members an adjustable screw rod extending through said housing, an operating shaft supported by said housing and extending at an angle to the horizontal plane of said housing, gears establishing a driving relation between said shaft and said screw rod, and a connecting member for said shank



and screw rod so that said connecting member may serve for pushing or pulling said shank when said screw rod is adjusted.

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1,565,358. ALLOY FOR ELECTRICAL CONTACTS. LELAND A. GARDNER, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 19, 1924. Serial No. 693,900. 5 Claims. (Cl. 200—166.)

1. As an electric contact material consisting of a major part of fine gold, a lesser part of nickel, a still lesser part of zinc, and a small quantity of copper.

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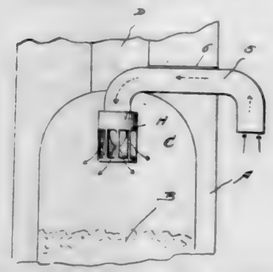
1,565,359. COMBUSTION HEAD. MELVILLE M. GRANT, Alliance, Ohio, assignor of one-half to L. Oscar Frants, Alliance, Ohio. Filed Aug. 28, 1925. Serial No. 53,097. 2 Claims. (Cl. 110—75.)



1. A combustion head of the class described including a plate having its upper surface convexed, partitions rising from the plate forming distributors, and a cylindrical wall formed on the partitions for reception of a pipe, said partitions radiating from the axis of the cylindrical wall.

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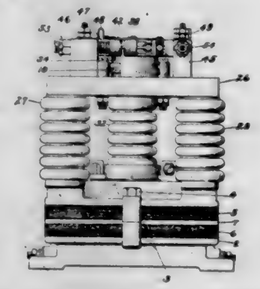
1,565,360. HIGH-SPEED SIGNALING KEY. HENRY E. HALLBORG and HAROLD R. MILLER, Washington, D. C. Filed Oct. 12, 1923. Serial No. 668,217. 8 Claims. (Cl. 178—101.)



1. A high speed signaling key, comprising in combination a casing, a plurality of core sections clamped in said casing, a magnetic barrier member positioned between said core members, a pair of pole pieces car-

ried by each of said core members diagonally opposite one to the other, an armature pivoted between said pole pieces, said armature having a pair of magnetic sections separated by a magnetic barrier, a contact operating spindle carried by said armature, and means whereby one of said armature sections will be acted upon by one pair of said pole pieces and the other magnetic section of said armature will be operated by said other pair of pole pieces.

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1,565,361. METHOD OF AND APPARATUS FOR DETERMINING THE DIRECTION OF WAVE ENERGY. HARVEY C. HAYES, Annapolis, Md. Filed Jan. 31, 1922. Serial No. 533,091. 9 Claims. (Cl. 181—26.)

1. A receiver of wave energy including means for binaurally observing incoming energy, and means operable at the will of the operator for intermingling the energy of the two paths.

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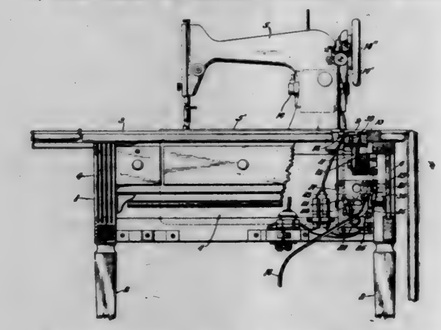
1,565,362. SAFETY DEVICE FOR ELECTRIC SEWING MACHINES. MARTIN HEMLER, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Apr. 3, 1923. Serial No. 629,570. 6 Claims. (Cl. 45—27.)



1. The combination with a drop-head sewing machine cabinet, a sewing head adapted to be housed within the cavity of such cabinet or raised to operating position above said cavity, and an electric motor for driving said sewing head, of a manually operated motor-speed regulating rheostat fixedly mounted within said cavity, and means operating automatically when the sewing head is dropped into the cavity of said cabinet to lock said rheostat against accidental operation.

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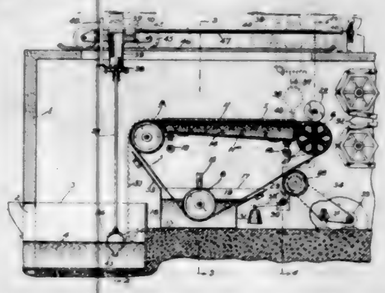
1,565,363. DRAWING SHEET GLASS. JOHN C. HENDERSON, New York, N. Y., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 7, 1922. Serial No. 580,028. 15 Claims. (Cl. 49—17.)

1. In an apparatus for producing a continuous sheet of glass, the combination of a receptacle adapted to contain molten glass, and means to draw the glass sheet from this molten glass, including a belt mounted adjacent to the receptacle so as to provide a substantially horizontal sheet-supporting surface, and means for moving said belt so that said horizontal surface continually recedes from the receptacle, a support located beneath the horizontal run of said belt, said support having a cooling chamber therein, and means for circulating a cooling medium through said chamber.



8. In a sheet glass drawing machine, a conveyor upon which the sheet is drawn and flattened, comprising a belt having a metallic outer sheet-supporting surface, and an inner lining of absorbent material.

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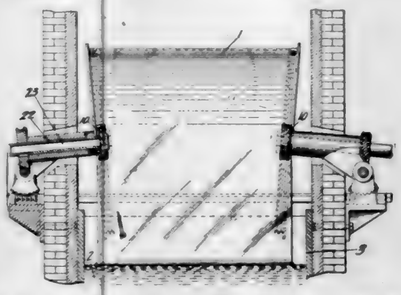
1,565,364. DRAWING SHEET GLASS. JOHN C. HENDERSON, New York, N. Y., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 12, 1923. Serial No. 674,168. 9 Claims. (Cl. 49—17.)



5. In a sheet glass drawing apparatus, means for bending the sheet from one plane to another, comprising means for engaging the sheet edges and drawing them forwardly and outwardly during the bending operation.

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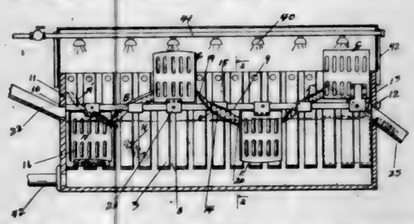
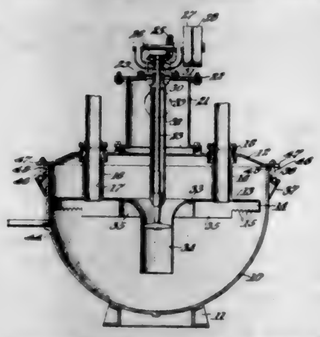
1,565,365. FISH-WASHING TANK. JOSEPH F. HIDZICK, San Francisco, Calif. Filed Apr. 6, 1925. Serial No. 20,962. 11 Claims. (Cl. 17—6.)



1. A fish washing tank comprising in combination a tank, a shaft extending therethrough, a series of inclined paddles attached to said shaft and a lifting paddle at the discharge end having means for tilting the paddle at a predetermined point associated therewith.



1,565,366. APPARATUS FOR THE ABSORPTION OF GASES IN LIQUIDS. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 6, 1922. Serial No. 605,279. 23 Claims. (Cl. 23—274.)



1. In apparatus for impregnating a liquid with a gas, the combination of a closed chamber, a centrally apertured plate having multitudinous small perforations and being peripherally spaced from the wall of the chamber, means for introducing gas beneath the plate, and means for causing circulation of a liquid through the chamber, and radially over the plate.

6. In apparatus for making sulfuric acid, a plate of cast iron having multitudinous small perforations, said plate being composed of a plurality of separately detachable sections.

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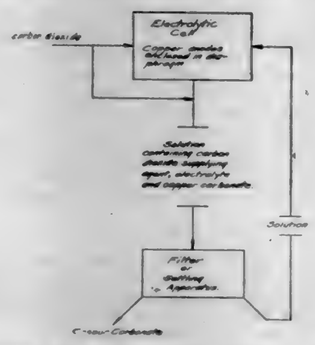
1,565,367. ELECTROLYTIC PROCESS FOR THE PRODUCTION OF COPPER CARBONATE. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 29, 1924. Serial No. 735,023. 3 Claims. (Cl. 204—9.)




1. Process for the electrolytic production of copper carbonate comprising subjecting a solution containing a carbon dioxid supplying agent and an electrolyte to electrolytic action in the presence of a copper anode, carbonating said solution during the electrolysis thereof, and removing copper carbonate from the electrolyzed solution.

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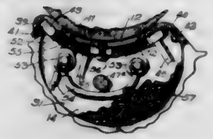
1,565,368. IRONING MACHINE. THOMAS E. HUNT, Chicago Heights, Ill., assignor to Quaker Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 20, 1922. Serial No. 537,714. 1 Claim. (Cl. 68—9.)

In an ironing machine, the combination with a metallic plate concaved on its outer surface to fit against a roll, of rigid end pieces secured to and extending from the end thereof, a rod connecting said end pieces, electric heating elements disposed against the convex surface



of the plate, means for holding the electric heating elements in place, and heat-insulating material between the electric heating elements and the rod, substantially as and for the purpose described.

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1,565,369. CIGARETTE AND MATCH HOLDER. TOMO ISHIKAWA, Honeyville, Utah. Filed June 24, 1925. Serial No. 39,274. 2 Claims. (Cl. 206—48.)

1. A cigarette and match holder comprising a strip of cardboard bent to form the sides and bottom of a cigarette container and one side of a match holder and shield for the heads of matches; a plurality of matches secured on said strip by a short strip of cardboard transversely fastened on the first described strip of cardboard; and an endless elastic fastened on the first described strip of cardboard and adapted to encircle a package of cigarettes between two folds of said cardboard strip.

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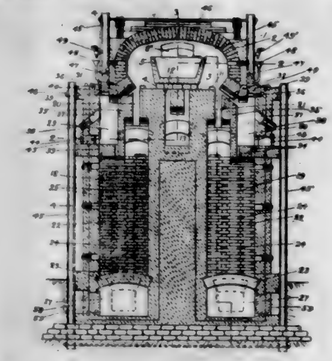
1,565,370. FURNACE. NICHOLAS I. IVANOVSKY, New York, N. Y. Filed Dec. 27, 1924. Serial No. 758,399. 6 Claims. (Cl. 158—4.5.)



1. In a furnace, the combination with a combustion chamber, a regenerative chamber adjacent to said combustion chamber, a plurality of brick walls forming passages in said regenerative chamber, means to heat said walls by the exhaust gases from said combustion chamber, a gas producing chamber made of refractory material adjacent to said regenerative chamber and to said combustion chamber, the walls of said gas producing chamber being provided with apertures communicating with said regenerative chamber and with said combus-

tion chamber, means to heat the walls of said gas producing chamber by means of the exhaust gases from said combustion chamber, means to admit fuel into said gas producing chamber, and means to admit air into said combustion chamber partly through said regenerative chamber and partly through said gas producing chamber.

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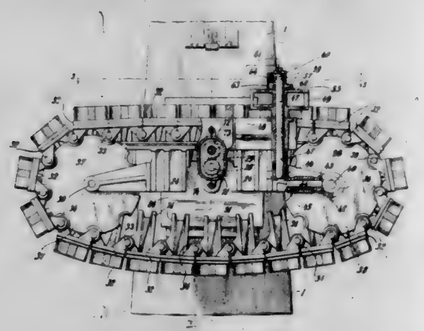
1,565,371. BOTTLE-CAPPING MACHINE. CARL WALKER KENDALL, Glenside, Pa., assignor to Columbia Machine and Stopper Co. Inc., New York, N. Y., a Corporation of New York. Filed June 4, 1920. Serial No. 386,613. 7 Claims. (Cl. 226—84.)



7. A bottle capping machine comprising a capping head, means for moving the capping head in a vertical plane in its cap applying operation, an endless chain bottle carrier below the capping head having projections forming a series of open slots, a pair of diametrically oppositely disposed eccentric pins adapted to work alternately in the successive slots, and means for driving said pair of eccentric pins in timed relation with the movement of the capping head in its cap-applying operations.

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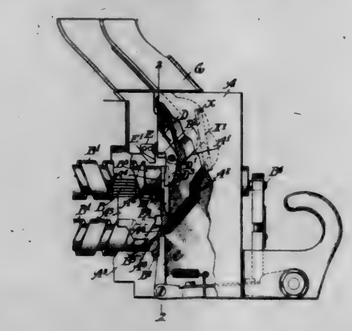
1,565,372. TYPOGRAPHICAL DISTRIBUTING MACHINE. GEORGE P. KINGSBURY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Mar. 11, 1925. Serial No. 14,683. 12 Claims. (Cl. 199—42.)



1. In a typographical distributing mechanism comprising a distributor bar and a set of matrix conveying screws, the combination of guide means along which the matrices pass by gravity to the screws, said guide means being adapted to support a plurality of matrices in facewise contact, means for arresting the matrices at a point in advance of the screws, and a reciprocating finger for releasing the arrested matrices, one at a time, to permit their escape by gravity into position to be picked up by the screws.

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1,565,373. IRONING-BOARD COVER. SIGMUND F. KOHN, New York, N. Y. Filed Mar. 28, 1925. Serial No. 19,033. 1 Claim. (Cl. 68—10.)

A cover for ironing boards comprising a cloth strip shaped to lie over the top of an ironing board, reversible board end engaging pockets attached to each end of said strip, one of said pockets being divided longitudinally of said strip, fastening members carried by the portions of said divided pocket, and means for connecting the opposite side edges of said strip beneath an ironing board under tension.

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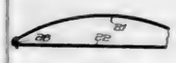
1,565,374. PROPELLER. LE ROY KRAMER, Chicago, Ill. Filed Sept. 7, 1918. Serial No. 253,011. 6 Claims. (Cl. 170—159.)



1. A sheet metal propeller or like hollow metal body composed of cupped sheets arranged in opposed relation, each of the sheets provided with projecting marginal lips overlapping and embracing the edge of the other sheet, and the two sheets marginally welded throughout their extent.

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1,565,375. PROCESS FOR TREATING FLOUR, MEAL, OR MILLING PRODUCTS AND THE PRODUCTS THEREOF. THILO KROEBER, Westend-Berlin, Germany, assignor to Naamlooze Vennootschap Noury & Vander Landis Handelmaatschappij, Deventer, Netherlands. Filed Apr. 29, 1925. Serial No. 26,787. 5 Claims. (Cl. 83—42.)

1. A process which comprises treating an edible milling product with a substance of the herein described peroxide-aldehyde-ozonide class, the major part of the particles of which are not over 15 $\mu$ in diameter.

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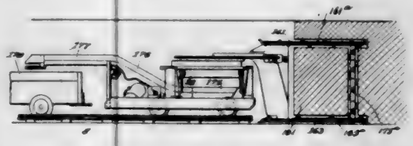
1,565,376. COAL-MINING MACHINE. NILS D. LEVIN, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Oct. 18, 1917. Serial No. 197,291. Renewed Apr. 18, 1925. 13 Claims. (Cl. 262—5.)



1. In a mining machine, the combination with a supporting base, of cutting mechanism mounted thereon comprising two spaced apart kerf cutters adapted to form kerfs above and below a section of the mine wall, and a kerf cutter extending between the inner ends of said spaced apart kerf cutters and having cutter bits arranged to cut a kerf between the aforesaid kerfs when said cutting mechanism is moving either inwardly or outwardly or laterally in either direction relative to the material to be mined.



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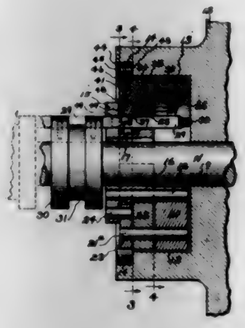
1,565,377. CLUTCH. WALDEMAR L. LINDGREN, Chicago, Ill., assignor, by direct and mesne assignments, to Alfred A. Norton, trustee, Chicago, Ill. Filed Jan. 18, 1924. Serial No. 686,948. 6 Claims. (Cl. 192—43.)



1. In a clutch, the combination with a rotatable driving member, of an annular driven member concentric therewith, a ring interposed between the two members, a pulrality of clutch dogs pivoted on the ring and having their clutching ends adapted to engage the inner periphery of the driven member when swung out from neutral position, means carried by the driving member adapted to swing the clutch dogs to clutching position when the driving member is rotated, and means for swinging the dogs to unclutching position without stopping the driving member, said unclutching means including a lever member for multiplying the power applied for said purpose.

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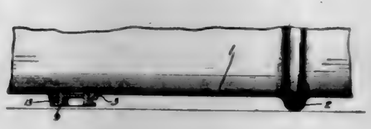
1,565,378. STEEL CONTAINER. SHERMAN G. LONG, Peoria, Ill., assignor to Metal Barrel Corporation, Peoria, Ill., a Corporation of Illinois. Filed Mar. 24, 1922. Serial No. 546,234. 4 Claims. (Cl. 220—89.)



1. In a metal barrel provided with annular corrugations and an annular flanged opening in its corrugated wall projecting outwardly less than the depth of such corrugations, of an internally threaded ring adapted to fit within said flanged opening and provided with an encircling flange of less depth than the width of its threaded portion and of approximately the thickness of the wall of said flanged opening and secured thereto, and the inner face of said ring provided with a plurality of radial draining depressions the base walls of which normally lie approximately in the plane of the outer surface of the barrel to insure thorough draining of material contained therein.

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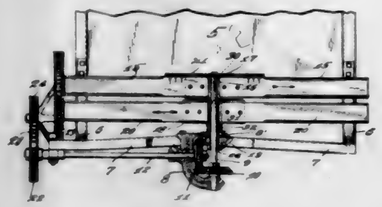
1,565,379. STRAW SPREADER. WALLACE F. MACGREGOR, Racine, Wis., assignor to J. I. Case Threshing Machine Company, Racine, Wis., a Corporation. Filed Oct. 6, 1924. Serial No. 741,786. 6 Claims. (Cl. 275—8.)



1. In a spreader, a shaft, two sets of scattering arms mounted upon said shaft, and means for rotating said sets of scattering arms in opposite directions.

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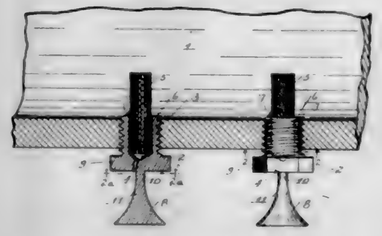
1,565,380. NOZZLE. HOMER B. MARCH, Muskegon, Mich., assignor, by mesne assignments, to The Automatic Irrigation Company, Muskegon, Mich., a Corporation of Michigan. Filed Jan. 10, 1923. Serial No. 611,742. 3 Claims. (Cl. 210—170.)



1. In a device of the character described: a pipe having an opening through its side; a nozzle having a passage therethrough and seated in said opening; a strainer formed from a foraminous sheet rolled into a substantially compact roll, its adjacent convolutions contacting each other, inserted into the nozzle's passage.

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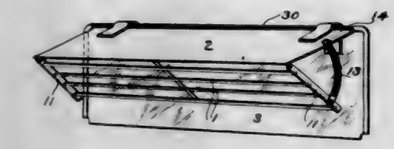
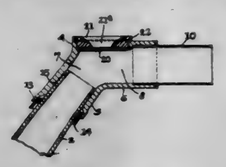
1,565,381. WINDSHIELD RAIN SHIELD. ROBERT P. MARTIN, Seattle, Wash., assignor, by direct and mesne assignments, of one-fourth to Hugh Mulligan, forty-seven one-hundredths to Daniel Mulligan, one-tenth to Clarence M. Tuck, and three one-hundredths to Eugene Doran, all of Seattle, Wash. Filed Apr. 19, 1924. Serial No. 707,605. 7 Claims. (Cl. 296—97.)



1. A rain protector for automobile windshields comprising a grid of bars extending horizontally lengthwise of the winshield and having forward rain-impacting surfaces positioned at an angle which deflects the spatter of rain received thereon downwardly, said grid bars being separated and disposed in a plane which inclines from its forward edge downwardly towards the rear.

**1,565,382. VACUUM-CLEANER DEVICE.** STANLEY MCCLATCHIE, Stuttgart, Germany. Filed May 7, 1924. Serial No. 711,610. 2 Claims. (Cl. 116—67.)



2. A cleaning apparatus having a passage for air mingled with solid particles, and a diaphragm positioned for impingement by said particles whereby audibly to indicate their passage.

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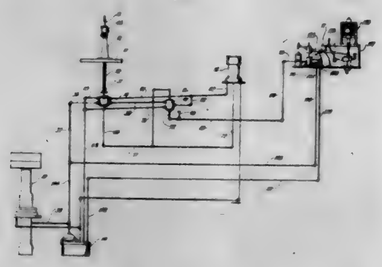
**1,565,383. BRAKE CONTROL.** EZRA B. MEAD, Ottumwa, Iowa, assignor to Ottumwa Iron Works, Ottumwa, Iowa, a Corporation of Iowa. Filed May 13, 1925. Serial No. 29,860. 27 Claims. (Cl. 303—49.)



1. A brake control, comprising in combination fluid pressure means associated with the brake applying mechanism for controlling the action thereof, a source of fluid under pressure, a plurality of lines of communication between said pressure source and said means, and devices including a manipulative member whereby the operator may admit fluid to said means through one of said lines of communication and exhaust the same through either thereof to control the brake application.

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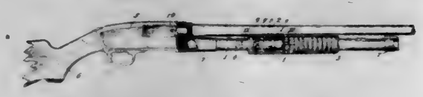
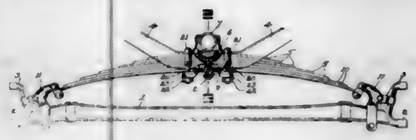
**1,565,384. FIREARM.** CHARLES A. NELSON, Utica, N. Y., assignor to Savage Arms Corporation Utica, N. Y., a Corporation of Delaware. Filed June 12, 1920. Serial No. 388,457. 27 Claims. (Cl. 42—16.)



11. A take-down firearm characterized by means to lock the take-down of the arm, said means being released by the firing means when the latter is in its down position.

26. A firearm comprising a breech-bolt movable downward preliminary to its movement to the rear, a firing pin therein, a hammer pivoted below the path of the breech-bolt, and means for moving the breech-bolt to the rear to move the hammer toward cocking position, characterized by the hammer being provided with a surface, below its point of contact with the firing pin, for engagement by the breech-bolt as the latter is moved downward to move the hammer away from the firing pin preliminary to the rearward movement of the bolt.

**1,565,385. SPRING ATTACHMENT.** LOUIS OBERCHT, Ashland, Mass. Filed Apr. 4, 1925. Serial No. 20,636. 1 Claim. (Cl. 267—52.)



In a spring attachment wherein a channel cross-member of the chassis frame is provided to receive the leaves of a cross spring seated within said channel and a bearing clip is formed with clip bolts extending downwardly at each side of said channel member; a clip member formed with an intermediate portion forming a seat for the lower leaf of the spring and ledges at the sides of said seat to engage the side edges of the leaf, said ledges being extended laterally to form ears located in a horizontal plane above the plane of said seat and provided with openings to receive the clip bolts, said ears being also formed with marginal ribs, and said clip member being also formed with end ears having openings to receive a pair of clips to engage over the frame member at each side of said bearing clip.

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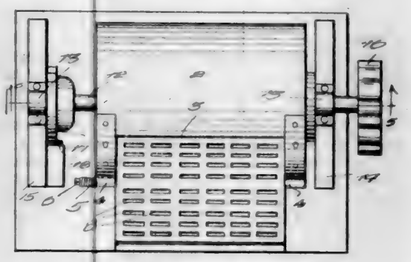
**1,565,386. NAIL-UPRIGHTING DEVICE.** VALENTINE PAGANINI, Roundup, Mont. Filed Aug. 21, 1924. Serial No. 733,396. 7 Claims. (Cl. 1—49.6.)



1. In a nail uprighting device, a support, a barrel-shaped hopper pivotally mounted on said support, a side door of foraminous material, and means for causing the door to be opened into a horizontal position when the hopper is turned on its mounting in one direction.

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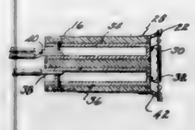
**1,565,387. SURFACE CONTACT FOR ELECTRIC RESISTANCE THERMOMETERS.** ERNEST HENRY PASQUE and ARTHUR BLAINE WALKER, Detroit, Mich. Filed Apr. 13, 1925. Serial No. 22,899. 5 Claims. (Cl. 73—32.)



1. In a heat measuring instrument, a handle, a cup shaped tip member at one end of the handle, a contact member mounted on the tip so as to extend across the mouth of said tip and adapted to be brought into surface contact on one side with a body, the heat of which is to be measured, said tip member being provided with restricted air openings through its wall.



**1,565,388. SHOW CASE.** JAMES W. PAULLIN, Red Oak, Iowa. Filed Jan. 6, 1923. Serial No. 611,110. 1 Claim. (Cl. 211—25.)

A combination device of the character described comprising an elongated cabinet divided by partitions into a series of similar compartments, glazed hingedly mounted doors normally covering and closing the respective compartments, legs for supporting the cabinet, certain of the legs being prolonged upwardly to define extensions above the cabinet, a cross piece secured to and bridging the space between said extensions, a plurality of closure members located between said cross piece and the top of the rear edge of the cabinet, a plurality of brackets mounted on said extensions, and shelves mounted on said extensions rearwardly of the closure members.

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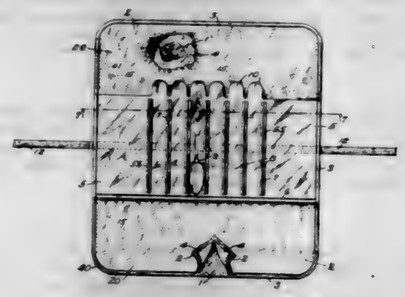
**1,565,389. CONTAINER FOR TABLE SILVER.** WILLIAM PEACOCK, Lititz, Pa., assignor to Woolworth Chemical Company, of Lititz, Pa., a Corporation of Pennsylvania. Filed June 19, 1925. Serial No. 38,264. 4 Claims. (Cl. 150—52.)



1. In a container for table silver the combination of an outer layer; a layer of nonporous material associated therewith; an inner layer; a second layer of non-porous material associated with said inner layers to provide a plurality of pockets; means associated with said last named layer of non-porous material to make each pocket substantially air-tight; means to fasten said container in substantially air-tight folds; and means to secure said container in fastened folded position.

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**1,565,390. PROCESS FOR WEIGHTING SILKS.** ANTHONY PEPPER, Paterson, N. J. Filed Aug. 14, 1925. Serial No. 50,271. 7 Claims. (Cl. 8—13.)

3. A process for weighting silk fabrics which comprises treating the fabrics with a solution of stannic chloride, then washing the fabrics, treating the washed fabrics with a solution of sodium phosphate, then washing the fabrics, treating the washed fabrics with a solution of acetic acid, then washing the fabrics with cold water, treating the fabrics with a solution of lead acetate, then washing the fabrics and treating the same with a cold solution of sodium phosphate.



**1,565,391. INSTRUMENT STRUCTURE.** RAYMOND T. PIERCE, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 12, 1923. Serial No. 638,627. 7 Claims. (Cl. 171—34.)

1. The combination with a support or panel having a plurality of receiving means, of a casing and a plurality of attaching means normally adapted to register with, and to be secured in position by, said receiving means and laterally movably secured to the casing to compensate for discrepancies between the positions of said receiving means relative to said attaching means.

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**1,565,392. SNAP HOOK.** LAWRENCE B. POWERS, Fulton, S. Dak. Filed May 5, 1925. Serial No. 28,117. 2 Claims. (Cl. 24—265.)

2. The combination with a snap hook, a strap loop, a link connection between the hook and the strap loop, of a spring, said spring engaging the end of the hook and extending rearwardly, the rear end of said spring being provided with an outwardly extending loop, a transversely disposed removable screw extending through the link, the rear end of the hook and the spring loop, said spring loop being provided with an outwardly extending portion detachably connected to the underside of the hook.

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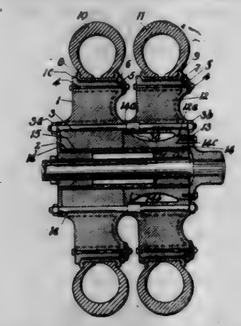
**1,565,393. DUAL WHEEL FOR VEHICLES.** ELLSWORTH L. PRENTISS, Los Angeles, Calif., assignor to The Pickwick Corporation, Los Angeles, Calif., a Corporation of California. Filed Mar. 10, 1925. Serial No. 14,406. 5 Claims. (Cl. 301—36.)

1. In dual vehicle wheels, a wheel member secured to the hub and provided on its periphery with the conventional spare tire and rim securing means and provided with a plurality of holes through said member, an outer wheel member support provided with an extending flange provided with holes conforming with the holes in said wheel member and provided with two diameter ledges in spaced relation adapted to be secured to the hub of the wheel, a plurality of bolts provided with enlarged portions adapted to rest against said flange and pass through the first mentioned wheel member provided with nuts on their opposite ends adapted to clamp said sup-

port to said first mentioned wheel member, an outer wheel member provided with a ledge portion adapted to rest on the outer ledge on said support and provided



with enlarged recesses and bolt holes adapted to receive the enlarged portions of said bolts and provided on its periphery with the conventional tire and rim supporting means.

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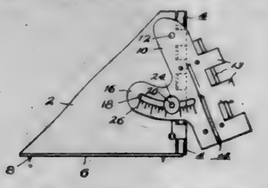
1,565,394. BEVELING AND SQUARING TOOL. AUGUSTUS RAFINER, Kansas City, Mo. Filed Sept. 24, 1923. Serial No. 664,422. 3 Claims. (Cl. 77—62.)



1. A device of the character described consisting of two elements operably connected together at adjacent margins so that they may be folded against each other or adjusted to support each other in upright position, a slotted tool guide pivoted on one of said elements and adapted to guide a tool at any desired angle to the face of an article on which the device is placed, a graduated segment projecting from said tool guide, and means carried by the element on which the tool guide is pivoted for locking said segment to said element.

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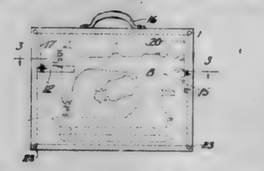
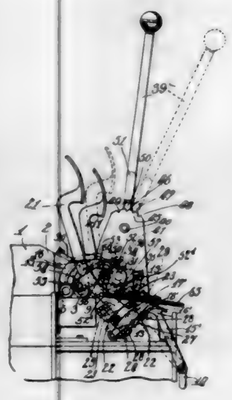
1,565,395. SEWING-MACHINE CONTAINER. CHARLES E. REDDIG, Kew Gardens, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 15, 1922. Serial No. 601,015. 4 Claims. (Cl. 45—27.)



1. A case for a portable sewing machine comprising a plurality of hinged sections arranged to fold in parallel alignment to form a carrying case for the machine, a hinged supporting member for the sewing machine carried by one section and movable in a direction at right angles with respect to the other sections to support the sewing machine when said sections are opened, and superposed means comprising the other sections forming a work supporting table.

1,565,396. SPEED CHANGING AND CONTROLLING MECHANISM FOR MOTOR VEHICLES OR THE LIKE. HERMAN R. REGAL, Chicago, Ill. Filed Dec. 9, 1924. Serial No. 754,730. 24 Claims. (Cl. 74—89.)



1. In a mechanism of the class described, the combination of a releasing and actuating lever or pedal mounted on and fixed to a high-speed clutch-lever shaft of a transmission mechanism, a low-speed lever, a reversing lever, and a shiftable lever operatively connected with and adapted to be actuated by said first-mentioned lever and movable into and out of engagement with said low-speed lever and said reversing lever alternately.

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1,565,397. SAFETY AND LIKE PIN. OSCAR E. RICHARDSON, Naugatuck, Conn., assignor to The Risdon Manufacturing Company, Naugatuck, Conn., a Corporation of Connecticut. Filed Aug. 7, 1922. Serial No. 580,072. 13 Claims. (Cl. 24—156.)

1. A safety or like pin of the outwardly seating type comprising a head having a pin seat, a main limb, and a pointed limb, the latter being spring-pressed outward or away from the main limb and against said seat, and abutment means located opposite the part of the pointed limb adjacent the pin seat and co-operating with the pin seat to form a path or space adapted to permit the free and easy removal of the pointed limb in the absence of pinned fabric between said abutment means and said limb part, but to block removal of the pointed limb when pinned fabric is between the abutment means and said limb part.

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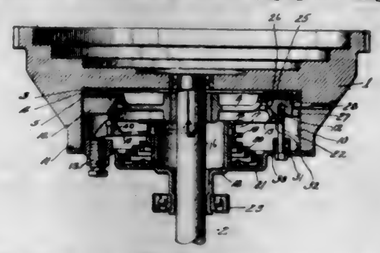
1,565,398. CLUTCH. CHARLES B. ROSE, East Moline, Ill. Filed Nov. 28, 1921. Serial No. 518,114. 8 Claims. (Cl. 192—68.)

5. A disk clutch having a driving member, a driven member, friction disks for operatively connecting said



members, an annular ring for transmitting pressure to said disks, a self-aligning device engaging said ring, op



erating means for exerting and relieving pressure on said self-aligning device, and means for retracting said ring when pressure on the self-aligning device is relieved.

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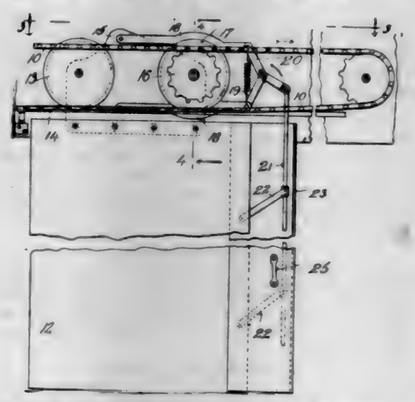
1,565,399. UNIT-DOOR-CONTROL MECHANISM. HAROLD ROWNTREE, Pass Christian, Miss., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed June 4, 1921. Serial No. 475,139. 13 Claims. (Cl. 268—8.)



1. In a unit door control mechanism, the combination with a plurality of doors, of a single operating motor therefor, and means controlled by any door encountering an obstruction in closing for releasing said door from its connection with said motor.

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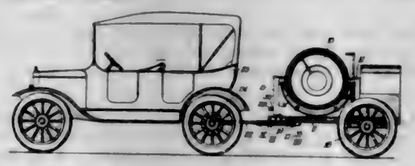
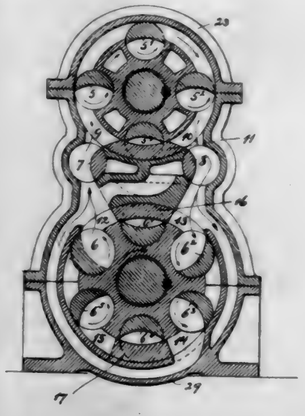
1,565,400. DRAFT MECHANISM. ADOLPH W. RYBECK, Milwaukee, Wis., assignor to The T. L. Smith Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 16, 1923. Serial No. 632,299. 8 Claims. (Cl. 280—33.4.)



1. In a trailer construction, a frame, wheels supporting one end of the frame, and an adjustable support having a U-shaped portion adapted in one position to engage the ground, and an oppositely extending arm, and means adapted to secure the arm to maintain the support selectively in horizontal or vertical position.

1,565,401. PUMP CONSTRUCTION FOR HYDRAULIC TRANSMISSION GEARS. ERNST SCHAEREN, Winterthur, Switzerland, assignor to William Heinecke, New York, N. Y. Filed Nov. 13, 1922. Serial No. 600,545. 3 Claims. (Cl. 103—125.)



1. In a hydraulic transmission gear, a casing enclosing a pump, a drum in said pump provided with peripheral recesses, vanes in said recesses and a coupling disk eccentrically connected to said vanes and mounted upon an eccentric disk upon the casing for rotating the vanes.

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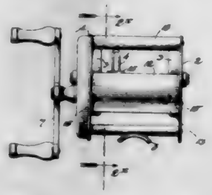
1,565,402. FISHING REEL. WILLIAM SCHMID, Coldwater, Mich. Filed Nov. 5, 1924. Serial No. 747,882. 1 Claim. (Cl. 242—84.4.)



In a fishing reel wherein a spool is eccentrically mounted between reel end plates, and a line level wind mechanism inculding a line guide is operatable in synchronism with said spool; inner and outer tie members for the end plates of said reel, said outer members conforming in curvature to the circumference of said end plates and said inner member conforming in circumference to said spool, one of said outer members having an inturned edge cooperating with the inner member in forming a guide for part of said level wind mechanism and one of said outer members forming a guard over the outer free end of said line guide, the guard member being of a width to form a thumb rest extending from one end plate to the other, and said outer members having ears attached to said end plates.

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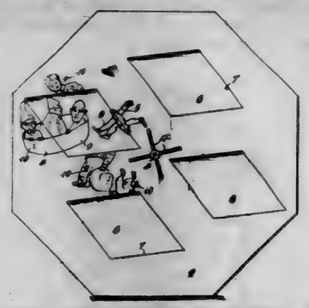
1,565,403. GAME OR PUZZLE. HENRY A. SCHULKE, Cleveland, Ohio. Filed Feb. 24, 1925. Serial No. 11,230. 5 Claims. (Cl. 273—155.)

1. A device of the character described, comprising, a pair of inter-connected relatively rotatable members, one member having openings and carrying portions of pic-

tures on its surface, portions of pictures carried by the other member and singularly alinable with the portion



on the other member to complete a picture, said members being relatively shiftable circumferentially or radially to complete certain pictures.

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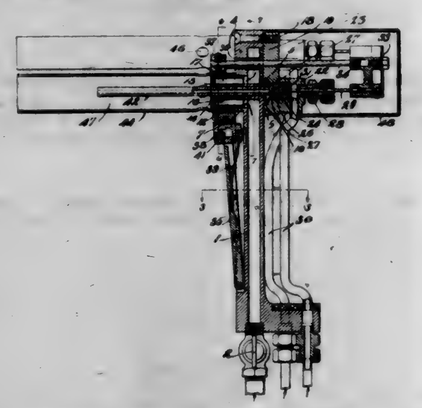
1,565,404. PAINT SPRAYER. WILLIAM G. ABBOTT, Jr., Wilton, N. H. Filed Nov. 23, 1923. Serial No. 676,539. 7 Claims. (Cl. 91—45.)



1. Apparatus for spraying paint comprising an air nozzle having a cylindrical bore, a paint nozzle extending axially through said bore and terminating at a point substantially in rear of the forward end of said air nozzle, and supporting means for said nozzles whereby one nozzle may be removed independently of the other, said air nozzle having an opening remote from the outer end of said paint nozzle to permit atmospheric air to be drawn through the air nozzle by the stream of air flowing therethrough.

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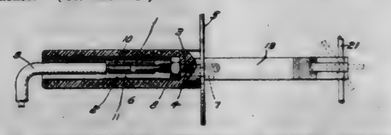
1,565,405. ELECTRODE HOLDER. ARTHUR R. ALLARD, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 5, 1920. Serial No. 421,925. 2 Claims. (Cl. 219—8.)



1. An electrode-holder comprising a tubular insulating handle closed at one end, said closed end being provided with a hole smaller in diameter than the internal diameter of said tubular portion, whereby an abutment is provided surrounding said hole, an electric cable, a threaded conducting member having one end secured to the end of said cable and having its other end projecting through said hole, a shoulder being provided intermediate the ends of said threaded member for abutment against the closed end of said tubular member, a nut on the projecting end of said threaded member, and an electrode-holding attachment carried by said nut.

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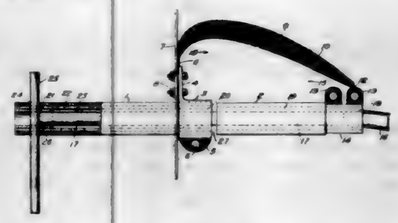
1,565,406. ELECTRODE HOLDER. ARTHUR R. ALLARD, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 12, 1920. Serial No. 423,543. 6 Claims. (Cl. 219—8.)



2. In a holder for engaging an object, a pair of telescoping object-engaging members, the outer telescoping member having a portion extending beyond the inner member and having shoulders adapted to grip the object when said outer member is drawn backwardly over the inner telescoping member, said inner telescoping member extending back farther than said outer telescoping member, and gripping means comprising a bowed spring connected between the rear ends of the telescoping members and biased to draw the outer telescoping member backwardly, whereby a predetermined pressure on the gripping means will release the held object.

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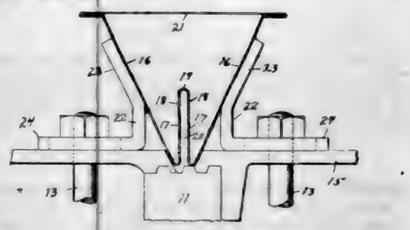
1,565,407. SPRINKLING TROUGH. JACOB BESSON, Carbondale, Pa., assignor to Carbondale Machine Company, Carbondale, Pa., a Corporation of Pennsylvania. Filed Feb. 15, 1924. Serial No. 693,005. 9 Claims. (Cl. 299—58.)



1. A sprinkling trough having an upwardly and longitudinally extending partition formed of a pair of walls spaced apart to form a water passage open along its lower edge, said partition having openings along the upper edge for the delivery of water from said trough downwardly through said passage.

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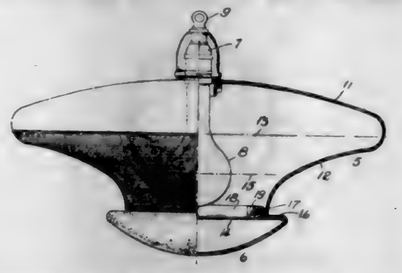
1,565,408. LIGHTING FIXTURE. WILLIAM T. BLACKWELL, Westfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 16, 1921. Serial No. 522,746. 12 Claims. (Cl. 240—100.)

1. A lighting unit comprising a globe, said globe being of a transparent material having its lower portion coated to provide an interior reflecting surface whereby light rays are directed through the upper portion of said globe, an aperture in the said lower portion for the replacement of bulbs, a cover for said aperture having a flange of light-transmitting material, projections of light transmitting material for attaching said cover over the aperture of said globe with the said flange disposed



therearound, said flange being of sufficiently greater diameter than said aperture to provide an appreciable light-transmitting medium to permit the emission of light rays to the exterior of the lower portion of said globe.

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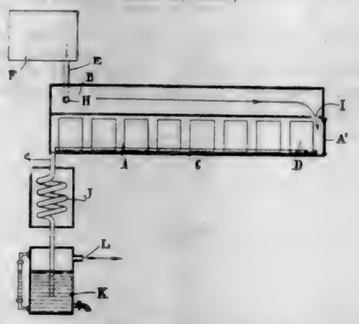
1,565,409. OIL-GAS APPARATUS. LÉONCE BLANCHET, Paris, France, assignor to La Société de Chimie et a Catalyse Industrielle Siege Social, Paris, France. Filed Aug. 1, 1921. Serial No. 489,010. 2 Claims. (Cl. 48—102.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A unitary oil gas retort embodying a lower catalyzing compartment, and a separate upper vaporizing compartment mounted directly upon and directly communicating with the catalyzing compartment; means for supplying liquid hydrocarbon to the vaporizing compartment; and catalyzers disposed in a plurality of removable rows upon the floor of the catalyzing compartment and over which the vapors from the vaporizing compartment are caused to pass.

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1,565,410. RELAY. CLARENCE A. BODDIE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 4, 1920. Serial No. 378,731. 8 Claims. (Cl. 175—320.)

6. In combination, a circuit, a plunger-type relay comprising a movable core member and three windings associated therewith, two of said windings being differentially-connected, and means for energizing said windings in accordance with the voltage and current in said circuit to actuate said core member in accordance with the direction of power flow therethrough.

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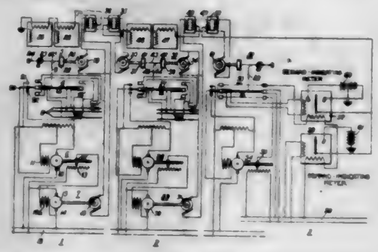
1,565,411. LOAD-REGULATOR SYSTEM. CLARENCE A. BODDIE, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 14, 1920. Serial No. 373,826. Renewed Sept. 18, 1924. 17 Claims. (Cl. 171—312.)



2. In a load-regulating system, the combination comprising a plurality of supply stations, a measuring system for summating the power delivered by the stations in terms of frequency, and means controlled in accordance with the fluctuations in the total power demand for varying the load on the stations, said means comprising a demand instrument adapted to close one control circuit when the total demand exceeds a predetermined value and another control circuit when the total demand is less than another predetermined value.

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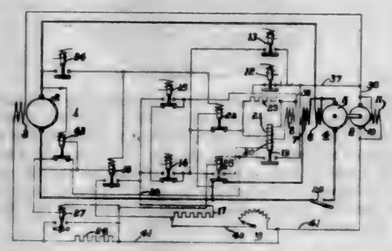
1,565,412. MOTOR-CONTROL SYSTEM. EDGAR M. BOUTON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 24, 1923. Serial No. 641,046. 10 Claims. (Cl. 172—239.)



1. The combination with a motor and a separately excited generator for supplying current to the motor, of an extra field-magnet winding for the generator, and means for connecting said extra field winding in circuit with said generator under predetermined voltage conditions when stopping the motor.

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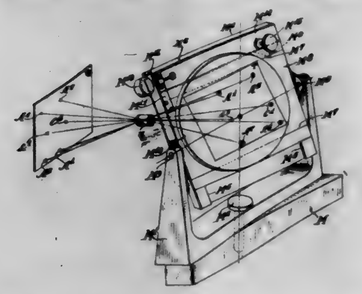
1,565,413. METHOD OF MAKING MAPS. ARTHUR BROCK, Jr., and LODEWYK J. R. HOLST, Philadelphia, Pa., assignors, by mesne assignments, to Brock & Weymouth, Incorporated, a Corporation of Delaware. Filed Feb. 16, 1924. Serial No. 693,191. 13 Claims. (Cl. 88—24.)

1. In the art of making topographical maps from aerial photographs, the method of preparing pairs of photographic plates suitable for use as stereoscopic pairs which consists in taking a series of photographic negatives from a moving aerial vehicle in such manner that adjacent

negatives will show in part the same territory, selecting from said series of views a series of pairs showing in part the same territory and each of which includes a point which is at the center of the other selected view, ascertaining by survey the elevation of salient points in territory shown on both views of such pairs, measuring the distances of selected salient points from the line connecting the center point of each view with the conjugate center point of the other view of the pair, and



measuring the parallaxes of points of known elevation as they appear in said views, to ascertain approximately the angle and degree of tilt of said views with reference to a horizontal focal plane and with reference to each other, and reprojecting said views on planes tilted to correct ascertained deviations, to so form a stereoscopic pair of positive plates having ordinates and parallaxes commensurate with horizontal projections in the view point of each plate of such pair.

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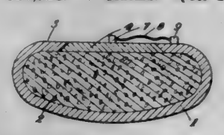
1,565,414. DEVICE FOR CLEANING GOLF BALLS AND SIMILAR ARTICLES. EDMUND JOSEPH BYRNE, Piccadilly, London, England. Filed Nov. 26, 1921. Serial No. 517,924. 7 Claims. (Cl. 15—244.)



1. A golf ball cleaning device comprising a casing of flexible material having an opening therein, a sponge closely fitting in said casing with a portion of the same exposed through the said opening, a closing lid adapted to be fitted in said opening, and means on the lid adapted to engage the interior edge of the opening to produce an effective closure due to the pressure of the sponge on the said lid.

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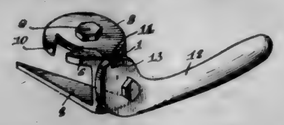
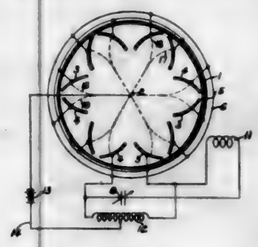
1,565,415. STAPLE EXTRACTOR. ERNEST CANTIN, Lemieux, Quebec, Canada. Filed May 11, 1925. Serial No. 29,555. 2 Claims. (Cl. 254—28.)



2. An extractor comprising a bearing piece having a fixed jaw rigidly formed therewith and perpendicular thereto, a movable jaw pivotally mounted upon said fixed jaw, a lever pivoted to said bearing piece and having a notch cut therein, a lug extending from said movable jaw into said notch and a fulcrum piece extending from said bearing member and parallel to said jaws.

1,565,416. ELECTRON-TUBE OSCILLATOR. LEWIS WARRINGTON CHUBB, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 14, 1921. Serial No. 444,636. 24 Claims. (Cl. 250—36.)



1. An oscillation generator comprising an evacuated vessel, a plurality of plate elements electrically connected, a second plurality of plate elements electrically connected to one another and arranged to alternate with the plate elements of the first plurality, an oscillatory circuit connecting one of said pluralities to the other, a cathode, means for establishing an electrostatic field between said cathode and said anodes, whereby a space current is created in said vessel, and means operatively associated with said oscillatory circuit for directing the space current alternately from one plurality of plate elements to the other.

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1,565,417. ARC-WELDING PENCIL HOLDER. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 27, 1920. Serial No. 419,804. 8 Claims. (Cl. 219—14.)

2. An electrode holder comprising a handle, a conducting member extending therefrom, and a spring device for holding an electrode secured thereto, said device having an opening through which said member extends, the free end of said device and of said member constituting electrode-holding means.

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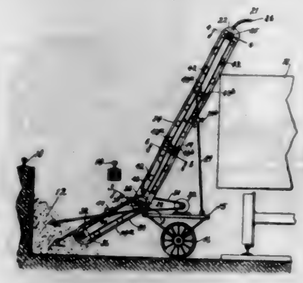
1,565,418. LOADING DEVICE. PAUL V. COLIANNI, Chicago, Ill., assignor of one-half to Melvin B. Benson, Chicago, Ill. Filed Mar. 8, 1923. Serial No. 623,691. 8 Claims. (Cl. 198—10.)

1. In a device of the class described, a conveyor, an extension conveyor, a shaft for pivotally connecting said extension conveyor to said conveyor, said extension conveyor being adapted to be moved to various angular positions relatively to said conveyor, reciprocating agitating



means associated with said extension conveyor, means on said shaft for operating said agitating means, and means for supporting said conveyors in operative position.

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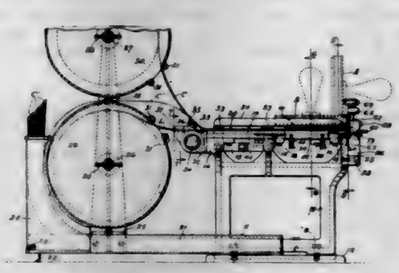
1,565,419. MACHINE FOR LABELING HAND STAMPS. JAMES COOKE, Omaha, Neb. Filed July 14, 1924. Serial No. 725,927. 7 Claims. (Cl. 101—288.)



1. In a machine of the class described, means for guiding and supporting a label-strip while exposing one side of said strip to receive the imprint of a stamp, means for retaining a mounted label-holder channel in alinement with said guiding and supporting means to receive a label-strip therefrom, and shearing means arranged to sever the label-strip at a point intermediate said channel-retaining means and said strip-guiding and supporting means.

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1,565,420. METHOD OF TREATING COATED MATERIALS. EDGAR CORNELL, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 21, 1923. Serial No. 682,108. 6 Claims. (Cl. 148—7.)

1. A method of treating zinc coated materials which comprises heating the same to a temperature sufficient to change the grain structure of the zinc and then working the material.

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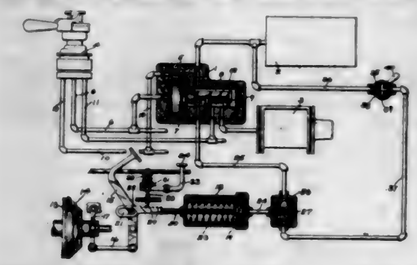
1,565,421. AUTOMATIC CLUTCH CONTROL. JOHN F. CRAIG, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1923. Serial No. 679,283. 5 Claims. (Cl. 192—13.)

1. In a gasoline motor driven vehicle, the combination with a motor clutch, of a valve device for supplying fluid under pressure to effect an application of the brakes on the vehicle, a manually operable valve means for controlling the operation of said valve device, and fluid



pressure operated means operatively connected to said clutch and operated by fluid supplied in the application position of said valve device for releasing said clutch.

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1,565,422. WHEELED CARRIER FOR CORN-SHELLER FEEDER EXTENSIONS. WILLIAM T. CRAWFORD, Flanagan, Ill. Filed Mar. 12, 1925. Serial No. 15,043. 1 Claim. (Cl. 214—142.)

A wheeled carrier including an arched axle, rods carried by said axle adapted for engagement at their free ends with a support, a frame supported on said carrier above said arched axle, spring suspension means for said frame, a transverse shaft journaled in said frame, flexible members attached at one end thereof to said shaft, the opposite free ends of said flexible members having hooks carried thereon, a gear wheel keyed to said shaft, an auxiliary frame mounted on said aforementioned frame, a worm gear journaled in said auxiliary frame and adapted to mesh with said gear wheel, and actuating means therefor whereby said chains may be wound around said shaft, as and for the purposes described.

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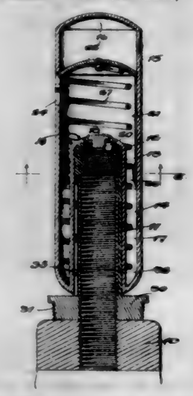
1,565,423. PRESSURE INDICATOR. GLENN DAILEY, Bison, S. Dak. Filed Feb. 16, 1924. Serial No. 693,391. 6 Claims. (Cl. 73—111.)



3. A pressure indicator having a casing including an inner pressure receiving barrel, a spring controlled indicating tube within the casing in communication with

said barrel, and a supporting nut having a sleeve to interfit the barrel, said barrel and said sleeve having relatively engaging means to lock the barrel on the sleeve.

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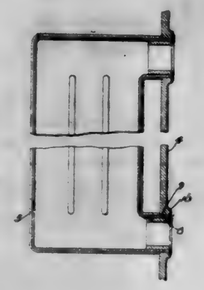
1,565,424. TRANSFORMER RADIATOR. WALTER M. DANN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 16, 1920. Serial No. 431,105. 3 Claims. (Cl. 257—191.)



2. A cooling apparatus comprising a receptacle adapted to contain a fluid to be cooled and having openings provided in the wall portion thereof, and a radiator element provided with tubular projections adapted to extend into said openings to establish communication therebetween, each of said projections being provided with reinforcing sleeve portions adapted to be welded thereto and to the wall of said receptacle adjacent to said openings, said sleeve portions being of such thickness that, when combined with the tubular projections, each of the resulting structures has substantially the same thickness as the wall.

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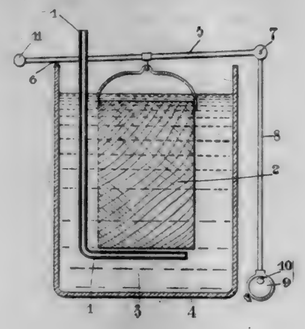
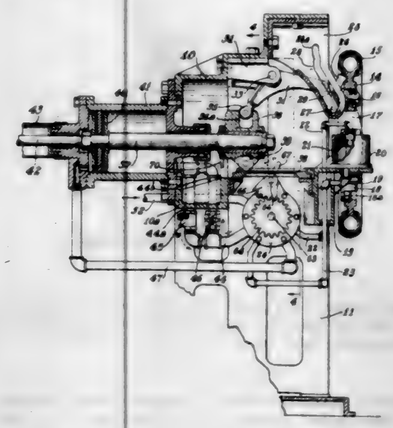
1,565,425. DETINNING OF TINNED-IRON SCRAP. HAROLD DAVIES and MATTHEW ATKINSON ADAM, London, England; said Davies assignor to said Adam. Filed June 28, 1923. Serial No. 648,343. 1 Claim. (Cl. 75—56.)



A process of treating tinned iron scrap which consists in immersing the scrap in a solution substantially saturated with iron and tin chlorides in a stripping vessel and injecting a regulable quantity of chlorine gas into the liquid in said vessel in order to regulate the solvent properties of said liquid.

1,565,426. TIRE-STRIPPING MACHINE. DENNIS L. DE WALT, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Mar. 17, 1922. Serial No. 544,632. 12 Claims. (Cl. 18—2.)



5. In a tire-stripping machine, the combination of core-supporting means, a series of tire-stripping members grouped about said means, and means for projecting the middle members of said group in advance of the end members.

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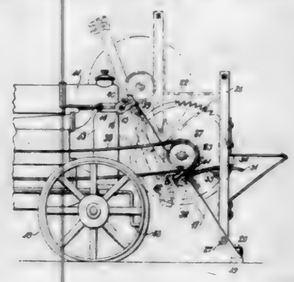
1,565,427. SAW ATTACHMENT FOR TRACTORS. FRANK C. DIXON, Winona, Minn. Filed May 4, 1925. Serial No. 27,980. 2 Claims. (Cl. 143—43.)



1. A sawing attachment comprising plates adapted to be clamped to the radiator of a tractor, said plates having bosses projecting therefrom, a frame having means adjacent its upper end comprising outwardly open jaws to engage said bosses and adapted to rest at its lower end upon the ground, a shaft journaled upon said frame, a saw mounted upon said shaft, driving means carried by said shaft adapted to be driven by the tractor, and movable means mounted upon the frame to carry material to be cut by said saw.

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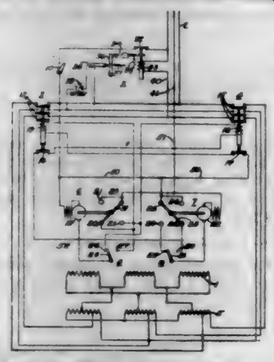
1,565,428. TEMPERATURE-CONTROLLING SYSTEM. WALTER C. DIXON, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 7, 1922. Serial No. 550,526. 9 Claims. (Cl. 204—64.)

1. A control system for an electric furnace, provided with a heater element adapted to be connected to an electric circuit to develop two degrees of heating, which comprises two circuits, each of which contains the operating coil of a main switch for connecting the heater





element to the circuit, a selector switch at each end of the two circuits and a thermostat for controlling each selector switch.

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1,565,429. SUPPORTER. IDA DODGE, San Francisco, Calif. Filed July 31, 1922. Serial No. 578,773. 1 Claim. (Cl. 2—41.)

An abdomen supporter comprising a tubular member adapted to tightly engage the body of a wearer, terminating in front in a downwardly extending abdomen engaging portion and upwardly in a straight waist encircling edge, said tubular member being made of two layers of cloth superimposed with the threads thereof running diagonally with respect to the waist encircling edge and being continuous over the abdomen and laced at the back of the wearer only.

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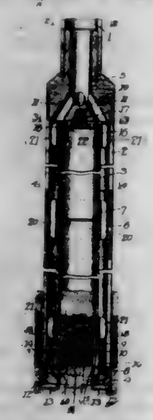
1,565,430. DRILL. FRANK A. EDSON, Norman, Okla., and BYRON B. CARTER, Hinsdale, Ill. Filed Apr. 10, 1922. Serial No. 550,955. 5 Claims. (Cl. 255—72.)



1. In a rotary core-barrel drill of the type specified, the combination of an outer drill casing, a core-barrel rotatably mounted within said casing, and a drill-bit detachably secured to the lower end thereof, said drill being provided with flushing passageways comprising a space formed between the drill casing and the inner core-barrel and passageways in the drill-bit formed by recesses in the inner wall thereof which extend from top to bottom thereof and connect the bore of said drill-bit with the space between the drill casing and inner core-barrel and transverse grooves formed in the face of the drill-bit.

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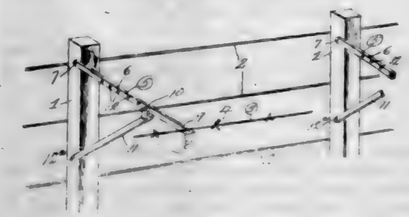
1,565,431. FENCE GUARD. MINER M. FAIRCHILD and GEORGE J. NIX, Poseyville, Ind. Filed Dec. 17, 1924. Serial No. 756,589. 1 Claim. (Cl. 256—11.)



A guard wire supporting bracket carried by a fence, said bracket comprising an outwardly extending arm secured to the side of a fence post and provided with a plurality of apertures, an angularly disposed slot carried by the outer end of said arm and through which a guard wire extends, a brace pivotally connected to said arm and detachably connected thereto through one of the apertures thereof, said brace extending downwardly and inwardly and connected to the side of the post, said brace having its end which is connected to the arm obtusely disposed and bifurcated.

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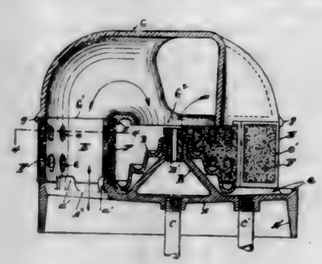
1,565,432. LIQUID-FUEL BURNER. JOSEPH W. FLYNN, Erie, Pa. Filed Nov. 7, 1924. Serial No. 748,401. 1 Claim. (Cl. 158—66.)



In an apparatus of the class described, a base having a chamber in the intermediate portion thereof to receive fluid fuel, a conical generator plate suspended upon and in spaced relation to the upper wall of said chamber, a fluid fuel jet extending through the apex of said generator plate and communicating with said chamber whereby fluid fuel is supplied to said generator plate, and a tubular air conductor adapted to direct a current of air downwardly upon the apex of said conical generator plate.

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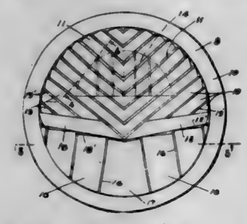
1,565,433. HEADLIGHT LENS. FREDERICK H. FORD, Waupun, Wis., assignor to The Totalux Company, a Corporation of Wisconsin. Filed Sept. 6, 1921. Serial No. 498,653. 3 Claims. (Cl. 240—48.4.)

1. A headlight lens having a plain portion and a portion provided with diagonally extending prisms, another portion on opposite sides of the plain portion pro-

vided with prisms extending slightly at an angle to vertical lines and another portion provided with approximately horizontally extending prisms, all of said



prisms being formed on one side face of the lens member, and vertically extending prisms formed on the opposite side of the lens member.

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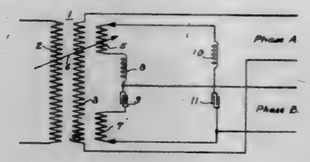
1,565,434. PHASE-SPLITTING SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 5, 1921. Serial No. 449,725. 8 Claims. (Cl. 172—238.)




2. An electrical system comprising a primary transformer winding, a main secondary winding, a plurality of auxiliary secondary windings and a plurality of capacitance devices connected between the sets of terminals of said auxiliary windings, said auxiliary windings being loosely and closely coupled, respectively, with said primary winding.

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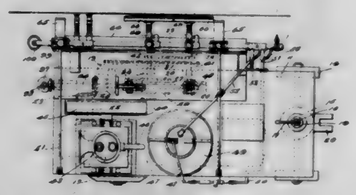
1,565,435. COATING MACHINE. THOMAS J. GALBRAITH, Richmond, Va. Filed Mar. 21, 1924. Serial No. 700,871. 10 Claims. (Cl. 91—45.)



1. An apparatus for applying a coating to a sheet comprising a carriage, spray means thereon for spraying the coating material upon the sheet, an air compressor for furnishing air to the spray means, rotary brushes on the carriage for operating upon material sprayed on the sheet, smoothing brushes on the carriage and means on the carriage for actuating the compressor and the rotary brushes.

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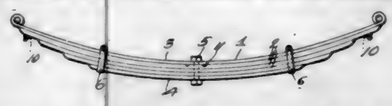
1,565,436. LUBRICATED VEHICLE SPRING. REINHOLD A. GREENWALD, Neenah, and PHILIP J. GAZECKI, Menasha, Wis. Filed Oct. 25, 1923. Serial No. 670,737. 1 Claim. (Cl. 267—50.)

The combination with a semielliptic spring formed from a plurality of superimposed leaves, the intermediate leaves having their upper sides provided with longitudinally disposed grooves having ports of communication adjacent their ends with each other, a securing bolt extending through said leaves and the grooves in a manner whereby they will not interfere with the passage of

lubricant entirely through the grooves, the upper intermediate leaf being provided with transversely disposed air vents located on opposite sides of the bolt, thereby allowing escape of air adjacent the upper side of the spring as a whole.

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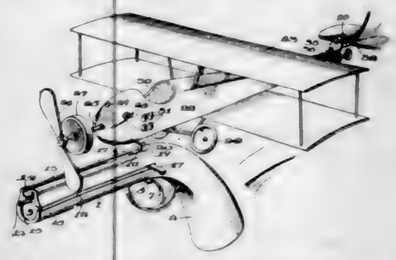
1,565,437. TOY AMUSEMENT DEVICE. JOHN GREIFF, Dayton, Ky. Filed Oct. 29, 1924. Serial No. 746,625. 4 Claims. (Cl. 244—12.)



1. In a device of the character described, a toy aeroplane having a body formed in the similitude of that of a conventional aeroplane, said body having a passage in the forward end portion thereof open at the forward end of the aeroplane and also open rearwardly of the forward end of the aeroplane, said passage being adapted for the reception of a hollow reed or like sound causing element.

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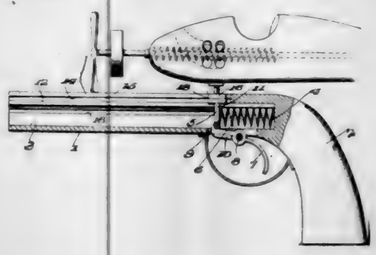
1,565,438. TOY AMUSEMENT DEVICE. JOHN GREIFF, Dayton, Ky. Original application filed Oct. 29, 1924, Serial No. 746,625. Divided and this application filed Mar. 18, 1925. Serial No. 16,473. 1 Claim. (Cl. 124—10.)



A projector of the character described comprising a pistol-shaped body, the bore of the barrel of said body having an end wall at its inner end, said barrel having a slot in the lower portion thereof at the rearward end of the barrel and having a longitudinal guide way above the bore of the barrel parallel with said bore, said barrel also having a longitudinal slot establishing communication between said bore and said guide way and having also a longitudinal slot through the upper wall of the guide way, said longitudinal slot and said guide way being open at the forward end of the barrel, a slide piece movable longitudinally of the bore of the barrel and having a neck portion extending through the longitudinal slot between the bore of the guide way and the bore into said guide way and a head portion partially received in said guide way and having a reduced portion received in the longitudinal slot in the upper wall of the guide way, a propelling spring arranged between said slide and the inner end wall of the bore and attached at one end to said slide piece and at its other end to the inner end wall of the bore, said spring being adapted to be compressed by said slide piece when the latter is moved rearwardly from the forward end of the bore, trigger controlled means carried by said body and extending through the slot in the lower side of the barrel for engaging with said slide piece to hold the latter releasably in position to compress said spring, a thrust member upstanding from the head of said slide piece, and an aeroplane having a thrust receiving member on its bottom adapted to be engaged by the thrust member on said slide piece of the projector, said thrust receiving member on the bottom of the aeroplane body having a slot located below the longitudinal median line of the body and being open at its rearward end, said slot being adapted to receive the upper end portion of said thrust member.



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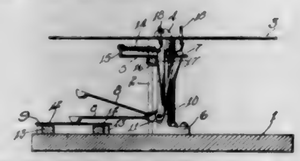
1,565,439. MUSICAL INSTRUMENT. HERMAN HAAS, Marengo, Ill. Filed Mar. 29, 1923. Serial No. 628,562. 1 Claim. (Cl. 84—102.)



A musical instrument comprising a frame, a perforated disc rotatably carried by said frame, the openings in said disc being arranged in concentric circles, keys carried by said frame, tone plates carried by said frame and adapted to be set into vibration by said keys, means for yieldingly holding said keys in contact with said tone plates, deadening means for stopping the movement of said keys after said keys have struck the tone plates, and pins removably disposed in said openings, said pins having enlarged portions disposed intermediate between the ends thereof whereby either end of said pins may be inserted in the openings, said pins being adapted to move said keys when said disc is rotated whereby the device is adapted to play various tunes.

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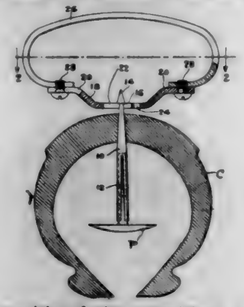
1,565,440. TIRE-REPAIRING DEVICE. EDWARD HAINKE, Grand Rapids, Minn. Filed Oct. 19, 1925. Serial No. 63,275. 3 Claims. (Cl. 152—26.)



2. A tire repairing device comprising a needle having a hollow longitudinally split portion at one end thereof and a portion tapering toward the other end of the needle, a sharp head providing a shoulder at the outer end of said tapering portion, and a holder adapted to engage said shoulder.

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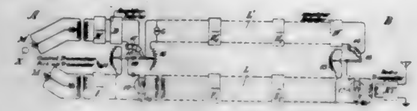
1,565,441. AUTOMATIC VOLUME REGULATION OF TRANSMISSION SYSTEMS. HAROLD S. HAMILTON, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 3, 1924. Serial No. 735,677. 9 Claims. (Cl. 178—44.)



1. In a signaling system, a transmission medium capable of transmitting a relatively narrow range of volume, means to generate signaling energy having variations of volume extending over a range greater than that which the medium is capable of transmitting, means for changing the volume of the energy generated when it departs from a normal volume, a controlling arrangement for said last mentioned means controlled in accordance with the volume of the energy generated to produce an adjustment of said volume changing means proportional to the amount the volume of the generated energy has departed from normal, and means at the receiving station for automatically producing a compensating change in the volume of the received energy in the opposite direction.

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1,565,442. [WITHDRAWN.]

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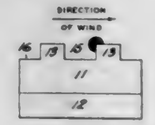
1,565,443. FRONT SIGHT FOR HIGH-VELOCITY WEAPONS. JOHN W. HARKOM, Melbourne, Quebec, Canada. Filed Dec. 13, 1920. Serial No. 430,255. 3 Claims. (Cl. 33—57.)




3. A foresight for weapons firing a single projectile comprising a block to be disposed transversely of the barrel of the weapon, the upper edge of said block being divided on opposite sides of its center by upwardly extending rectangular projections, the end edges of which projections provide graduations dividing the block into sighting portions for use in allowing for different wind velocities.

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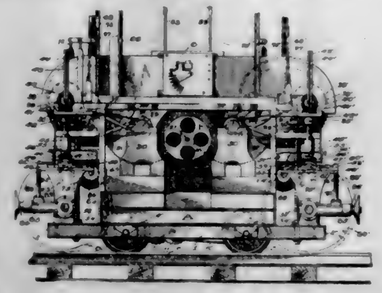
1,565,444. STONE-BLOCK-SAWING MACHINE. NAGEEB T. HASHIM, Manila, P. I. Filed Dec. 18, 1924. Serial No. 756,793. 4 Claims. (Cl. 262—19.)



1. A stone block quarrying machine comprising a vehicle adapted to be propelled over the surface of a stone bed, saw carriages adjustably mounted on opposite ends of said machine, saws rotatably carried by said saw car-

riages to cut kerfs into the stone bed beyond the ends of the machine, and means for independently adjusting and operating said saws, whereby the work beyond the range of one saw is completed by the other at each setting of the machine.

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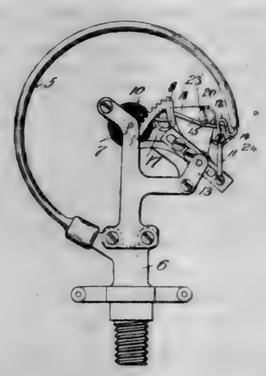
1,565,445. RETARD GAUGE. OTTO W. HEISE, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed May 16, 1921, Serial No. 470,076. Renewed May 12, 1925. 5 Claims. (Cl. 73—109.)



1. The combinatio with a gauge movement, and a pressure responsive element, of a retard spring, means to support said spring at one end, the other or free end of said spring being arranged in the path of movement of the pressure responsive element, and a cam stud constituting an abutment engaging an intermediate portion of the spring, and means to adjust said cam stud to vary the point of application of said spring with respect to the pressure responsive element.

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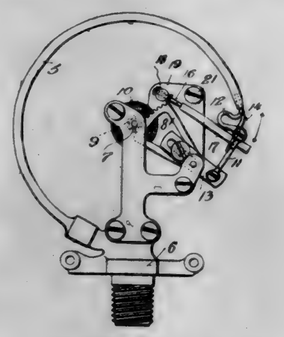
1,565,446. RETARD GAUGE. Otto W. Heise, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed June 11, 1921. Serial No. 476,687. 12 Claims. (Cl. 73—100.)



1. A gauge mechanism having a Bourdon tube and means for modifying its action comprising a lever, a fulcrum therefor disposed intermediate the ends of the lever, means connecting one end of the lever to the Bourdon tube, said means being constructed to allow unrestrained freedom of movement to the Bourdon tube through a predetermined range, means opposing resilient resistance to movement of the other end of the lever, a movable index, means tending to retain the index at one limit of its path of movement, and means for transmitting movement of the lever to the index.

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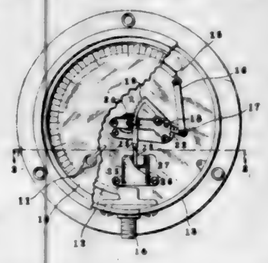
1,565,447. DAMPENING DEVICE FOR PRESSURE GAUGES. OTTO W. HEISE, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Mar. 30, 1922. Serial No. 548,262. 8 Claims. (Cl. 73—109.)



1. A pressure indicating device comprising a movable index, a pressure responsive element, a damping device, and motion multiplying connections operative throughout the entire range of movement of the pressure responsive element for transmitting movement from the latter to the index and to the damping device.

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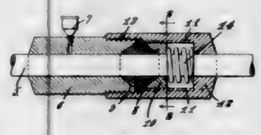
1,565,448. LUBRICANT RETAINER. DANIEL ALBERT HEWITT, Thomasville, N. C. Filed June 7, 1921. Serial No. 475,685. 1 Claim. (Cl. 286—30.)



In a device of the character described, a bearing having inclined end walls and having external threads formed adjacent to one end thereof, a packing gland nut having internal ribs and having threads adapted to cooperate with the threads of the bearing to removably secure the packing gland nut to the bearing, a follower having inclined walls and having grooves to receive the ribs, a packing member disposed between the inclined walls of the bearing member and inclined walls of the follower, and a coiled spring positioned between the follower and packing gland nut to force the follower into engagement with the packing member.

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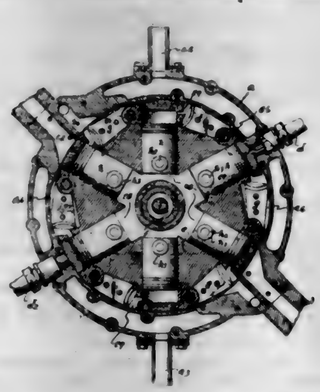
1,565,449. ROTARY INTERNAL-COMBUSTION ENGINE. JAMES F. HIGBEE, Detroit, Mich. Filed Nov. 15, 1923. Serial No. 674,846. 1 Claim. (Cl. 123—17.)

In apparatus of the character described, a stator having exhaust and intake passageways and cam grooves in its opposite side walls, a rotor having radially arranged compression chambers each provided with a piston having bearings on opposite sides mounted in the cam grooves in the stator to reciprocate the pistons upon rotation of the rotor, said rotor provided with a cavity in its outer surface open to the stator adjacent to each compression chamber and intermediate successive compression chambers communicating at one end with one compression chamber, a swinging vane pivoted at one end in said cavity having an arcuate face opposite the opening to the compression chamber closely engaging interiorly said opening an arcuate face of the rotor, providing an explosion space between the arcuate face of the vane and the opposite face of the rotor intermediate





the entrance to the compression chamber and the wall of the stator, said parts being so arranged that rotation of the rotor draws an explosive mixture into the compression chambers, discharging the same into the explosion chamber at one end of the swinging vane.

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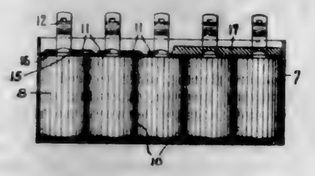
1,565,450. ELECTRIC BATTERY AND METHOD OF MAKING THE SAME. HARRY H. HIPWELL, Pittsburgh, Pa. Filed Feb. 26, 1925. Serial No. 11,765. 3 Claims. (Cl. 136—109.)



1. The combination with a battery structure having a plurality of cells, of partitions dividing said cells and cover plates seated upon the cells and fitting between the said partitions, the said cover plates each being provided with openings for cell terminals.

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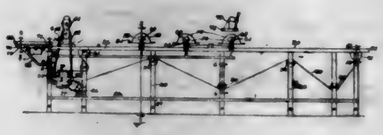
1,565,451. METHOD AND APPARATUS FOR FINISHING PHOTOGRAPHIC PRINTS. EDWARD J. HOFFMANN, Cincinnati, Ohio. Filed Apr. 29, 1925. Serial No. 26,744. 16 Claims. (Cl. 34—12.)



1. In a device for drying photographic prints the combination with a conveyor, of a series of heat reflectors mounted in spaced relation above the conveyor adjacent one end thereof, and means for directing cooling air longitudinally of the conveyor.

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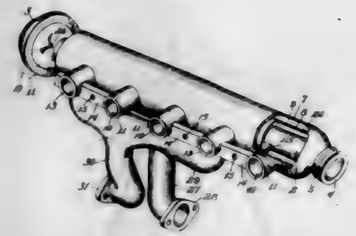
1,565,452. VAPORIZER. THEODORE B. HOGG, Pittsburgh, Pa. Filed Nov. 2, 1923. Serial No. 672,448. 5 Claims. (Cl. 48—107.)



3. A vaporizer comprising a body portion made up of three concentric tube portions, the innermost tube portion being in communication with the space between the outer and intermediate tube portions at one end of the vaporizer, exhaust gas inlet passages opening through the outer tube portion, vapor outlet passages opening into the vaporizing space between the intermediate and inner tube portions, a fuel inlet pipe opening into the vaporizing space between the inner and intermediate tube portions, and a baffle extending longitudinally between the innermost tube portion and the intermediate tube portion and cutting off direct communication between the fuel inlet pipe and the vapor outlet passages.

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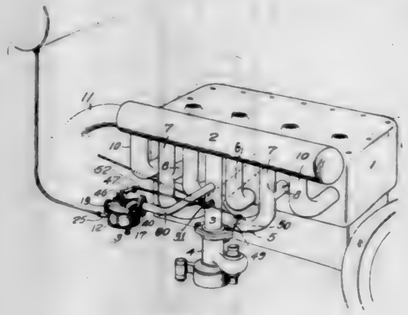
1,565,453. FUEL MOISTENER. THEODORE B. HOGG, Dayton, Ohio. Filed Feb. 15, 1924. Serial No. 693,081. 8 Claims. (Cl. 123—25.)



1. An explosive engine, an exhaust gas vaporizer, a heavy fuel carbureter having communication with said vaporizer, means for controlling delivery from said carbureter, a water atomizer for delivering a moist air mixture to the communication between the heavy fuel carbureter and the vaporizer, and means for controlling the delivery from the water atomizer simultaneously with the control of the delivery from the heavy fuel atomizer, said means operating to permit initial delivery from the water atomizer following a predetermined delivery from the heavy fuel carbureter.

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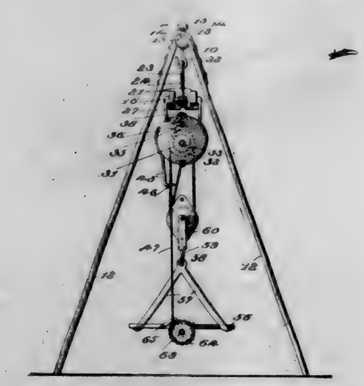
1,565,454. HOIST AND CONVEYER. ANSON P. HORSINGTON, Powell, Wyo. Filed Sept. 21, 1923. Serial No. 664,064. 3 Claims. (Cl. 212—76.)

1. A hoist and conveyer comprising, in combination, parallel frame members each having arms projecting

therefrom, wheels upon said arms adapted to travel upon a track, disk rigidly secured to said frame in spaced relation, a shaft passing through said disks, pulley blocks



journaled on said shaft, ratchet teeth upon said pulley blocks, and pawls pivoted on said disks adapted to hold a load suspended from said blocks.

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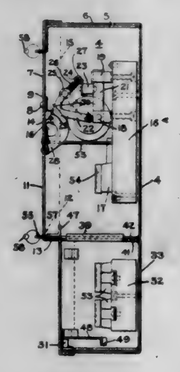
1,565,455. SWITCH MECHANISM. HARRY G. HOKE, Stillwater, Okla. Filed June 16, 1922. Serial No. 568,676. 15 Claims. (Cl. 200—50.)



13. The combination with a switch, of an enclosure therefor, a closure member for said enclosure interlocked with said switch, a cabinet associated therewith and a closure member for said cabinet interlocked with said first closure member.

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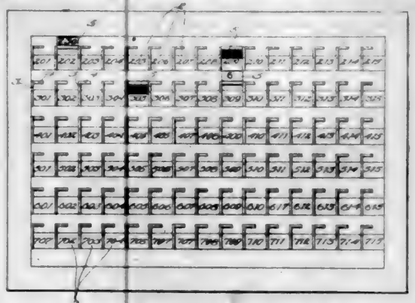
1,565,456. CALL SHEET. DENZELL E. HOLT, Seattle, Wash. Filed Dec. 23, 1924. Serial No. 757,741. 2 Claims. (Cl. 40—67.)

2. A call board divided into a number of distinct indicating spaces, a supporting arm carried by the board for cooperation with each space, said arm including a lateral bearing portion spaced from the board, and a call card adapted for slidable cooperation with said bearing portion and capable of being moved to a position to expose one side of the card immediately above the space or to expose the other side of the card as partly overlying the space, the respective sides of the cards being marked



to indicate different information, the cards being readily separable from the bearing portions of the arms to permit any card of the series to cooperate with any arm.

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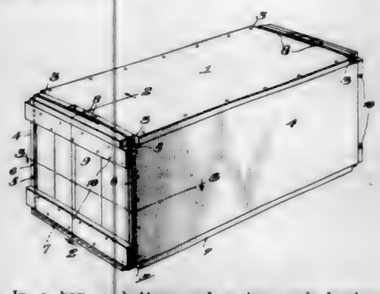
1,565,457. BOX. JOHN L. HOOD, Pawtucket, R. I. Filed Mar. 20, 1924. Serial No. 700,512. 6 Claims. (Cl. 217—66.)



1. In a box, a bottom and a top each having cut-outs in the corners thereof, sides secured to the top and bottom and having grooves extending across the end edges thereof, ends engaged between the sides and top and bottom, metal straps having sides arranged in the grooves and top and bottom parts engaged about the box top and bottom and disposed in the cut-outs and nailed to the sides, top and bottom, and cleats at the box ends engaged with the box top and bottom and extending over the adjacent parts of the grooves and sides of the straps.

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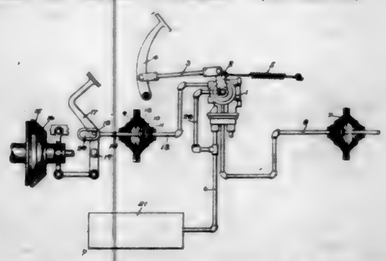
1,565,458. MOTOR-VEHICLE-CONTROL DEVICE. HENRY D. HUKILL, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Aug. 20, 1924. Serial No. 733,108. 2 Claims. (Cl. 192—1.)



1. In a vehicle control mechanism, the combination with an engine clutch and a vehicle brake, of fluid pressure operated means for controlling the engine clutch, fluid pressure operated means for applying the brakes, and means operated upon release by the operator for supplying fluid under pressure to operate said clutch operating means and said brake applying means.



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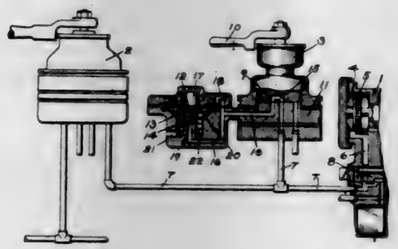
1,565,459. FLUID-PRESSURE BRAKE. JOHN HUME, Houston, Tex., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed May 8, 1924. Serial No. 711,850. 4 Claims. (Cl. 303—41.)



1. In a fluid pressure brake, the combination with an application cylinder and an application cylinder pipe connected to said cylinder, of a valve for venting fluid under pressure from said pipe, a movable abutment, subject to fluid pressure in said pipe for operating said valve, and a brake valve device for controlling communication from said pipe to said movable abutment.

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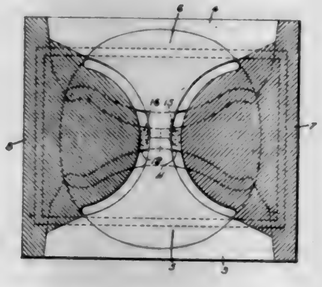
1,565,460. MOLD FOR CASTING INSULATORS. MARSDEN H. HUNT, Oakland, Calif., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 11, 1923. Serial No. 667,881. 11 Claims. (Cl. 25—129.)



1. A mold for forming insulators of the link type comprising a structure having core portions disposed in crossed spaced relation to form the interlinked openings thereof and constructed for withdrawal from the insulators that are molded therein.

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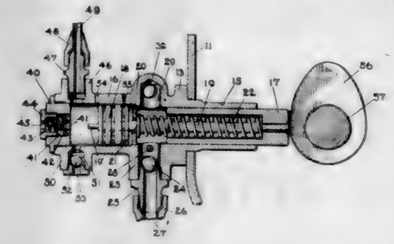
1,565,461. LIQUID-FEED SYSTEM. ERNEST R. HUNTLEY, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Apr. 14, 1920. Serial No. 373,850. 6 Claims. (Cl. 158—36.)

1. In a fuel feed system, a main tank, a carbureter, a valved pumping chamber adapted to be fed by gravity from said main tank, a fuel conduit extending from said pumping chamber to said carbureter, an air compressor, a conduit from said compressor leading to the top of said



pumping chamber, and a safety valve for relieving the pressure produced by said compressor when the needle valve of the carbureter is closed.

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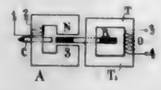
1,565,462. ELECTROMAGNETIC TOOL. NICOLAS JAPOLSKY, London, England. Filed Jan. 13, 1925. Serial No. 2,197. 2 Claims. (Cl. 172—126.)



1. An electromagnetic tool comprising in combination an electromagnet of constant polarity having an air gap a reciprocative member which is an electric conductor, arranged in the air gap, and means for supplying alternating current to said member to cause in the air gap its reciprocation.

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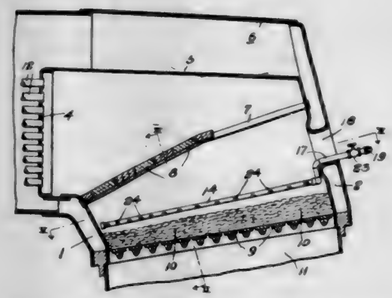
1,565,463. DEVICE FOR ELIMINATING SMOKE IN BOILER FURNACES. CHARLES P. JOHNSON, Pittsburgh, Pa. Filed Aug. 11, 1924. Serial No. 731,252. 3 Claims. (Cl. 110—81.)



1. The combination of a furnace having a fire box provided with a grate adapted to support a fuel bed, a header disposed within the fire box adjacent the side wall thereof, said header being positioned, so as to gradually approach the said grate at its front end, a series of spaced nozzles for distributing water from the header above the grate downwardly upon the fuel bed, said nozzles being arranged to discharge a greater quantity of water at the front end of the grate than at its rear end.

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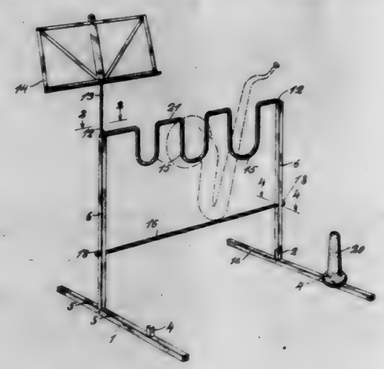
1,565,464. MUSICAL-INSTRUMENT RACK. THOMAS KAY, Denver, Colo. Filed June 9, 1925. Serial No. 35,985. 1 Claim. (Cl. 248—40.)

A rack for supporting musical instruments comprising in combination a pair of base members adapted to rest upon a floor each of said base members having an

upwardly projecting plug, vertical supporting bars telescopically secured respectively to said plugs, a horizontal bar connecting said vertical bars at a point above said plugs, said vertical bars having openings in their upper ends, and a supporting bar having depending ends re-



spectively adapted to enter said opening, said supporting bar having a U-shaped loop intermediate its ends, said loop being open at the top and extending downwardly below the upper extremities of the vertical bars, for the reception of a musical instrument.

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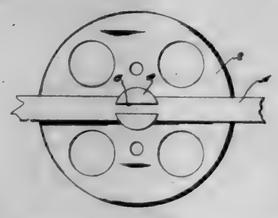
1,565,465. BAR HANGER. JAMES F. KEARNEY, Chicago, Ill., assignor to Kearney Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 17, 1922. Serial No. 601,549. 1 Claim. (Cl. 247—22.)



In a bar hanger, the combination with a bar, of a hanger structure comprising a threaded shank, an engaging head formed on said shank and provided with an opening for receiving said bar, a nut threaded on said shank, a plate having an opening to receive the head, the opening in the head on the shank being equal in height and width to the width of said bar, and said head further provided with a slot extending out through its outer end and communicating with said first named opening, said slot being of a width equal to the thickness of said bar, said nut being countersunk to snugly encompass that portion of the head projecting from the plate and adjacent the threaded shank, whereby that part of the nut surrounding the countersink will engage one face of the plate to cooperate with the bar in retaining the plate against movement.

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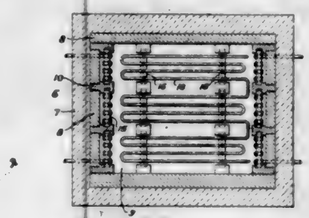
1,565,466. FURNACE RESISTOR MOUNTING. ALVIN D. KEENE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 20, 1923. Serial No. 675,864. 10 Claims. (Cl. 204—64.)

2. In an electric resistance furnace, in combination, a refractory wall, a plurality of refractory members of substantially T-shape, projecting from said wall, a resistor-supporting member extending between said re-



fractory members, and a plurality of resistor members secured to said resistor-supporting member.

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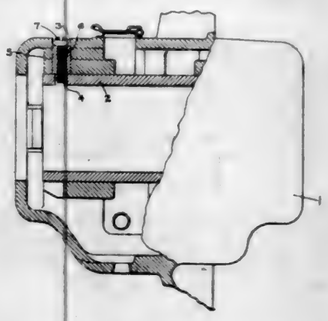
1,565,467. BEARING. CHARLES W. KINCAID, Carrick, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 24, 1922. Serial No. 596,588. 8 Claims. (Cl. 308—38.)



1. The combination of a housing having an opening therein, an annular bearing fitted in the housing and provided with an opening registering with that of the housing, a sleeve of predetermined length fitted into the housing opening and having one end in engagement with said bearing, said sleeve forming a shoulder in said opening, and a shouldered pin of predetermined length fitted shoulder-to-shoulder into said sleeve and projecting into the bearing opening.

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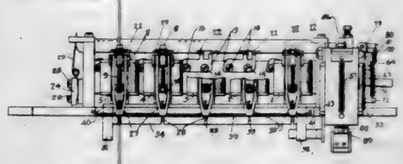
1,565,468. SELECTIVE MECHANISM. EDWARD E. KLEINSCHMIDT, Long Island City, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Filed Feb. 7, 1923. Serial No. 617,572. 22 Claims. (Cl. 178—33.)



1. In a selective mechanism, a plurality of selectively movable members; means responsive to selective combinations of electrical impulses controlling selective setting movement of said members; releasing means for permitting the setting movement of the selected members; and control means between said first mentioned and said releasing means; said releasing means controlling said first mentioned means through said control means to permit response of said first mentioned means to a succeeding selective combination of impulses, while said members are still set in accordance with the preceeding selective combination.



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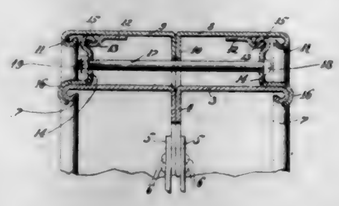
1,565,469. SUPPLEMENTAL RIM FOR POWER PULLEYS OR BELT WHEELS. FRANK P. KOBERT, Worcester, Mass., assignor to Kobert Supplementary Pulley Rim Co., a Corporation of Massachusetts. Substitution for application Serial No. 279,676, filed Feb. 28, 1919. Renewed May 26, 1921, Serial No. 470,204. This application filed Feb. 6, 1922, Serial No. 534,569. Renewed Feb. 23, 1924. 6 Claims. (Cl. 64—17.)



2. The herein described means for enlarging a pulley or belt wheel comprising a supplemental rim provided on its inner side with oppositely arranged hook members and devices adapted to engage said hook members and the outer edges of the main rim of the pulley or belt wheel.

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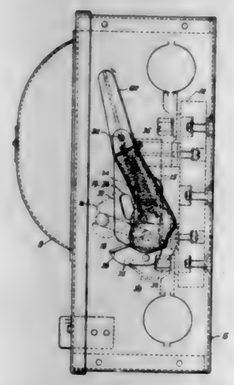
1,565,470. SWITCH MECHANISM. HUBERT K. KRANTZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 25, 1923. Serial No. 659,258. 6 Claims. (Cl. 200—67.)



1. Switch mechanism comprising a movable switch member, a contact member therefor, a rotatable operating member for the switch member, a hollow operating handle mounted for rotation about the axis of rotation of the operating member, a crank within the handle secured to the operating member and having a lost-motion connection thereto and a spring within the handle for moving the crank with a snap action when the switch member is release from the contact member.



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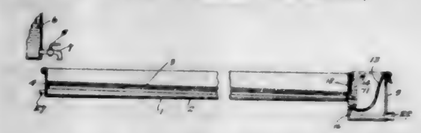
1,565,471. METHOD OF HEATING HONEY. ALECK G. KUYKENDALL, La Mesa, Calif. Filed Apr. 7, 1924. Serial No. 704,842. 3 Claims. (Cl. 99—11.)



1. The method of preserving honey which consists in subjecting a thin sheet thereof to excessive heat for a brief period.

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1,565,472. REFRACTORY CEMENT WITH A BASE OF ZIRCONIUM ORE. FRÉDÉRIC CHARLES FRIDTJOF LE COULTRE, Marseille, France, assignor to "Societe d'Etude des Agglomérés," Paris, France. Filed Oct. 9, 1924. Serial No. 742,724. 4 Claims. (Cl. 106—9.)

1. A refractory cement having a base of zirconium ore comprising a mixture of substantially pure oxide of zirconium, an organic binder, an inorganic binder and finely crushed powder of zirconium ore.

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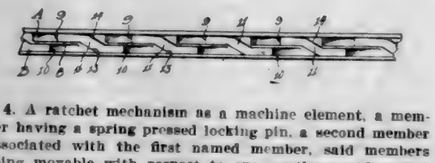
1,565,473. RATCHET MECHANISM. WILLIAM R. LEE, Galena, Kans. Filed July 20, 1925. Serial No. 44,883. 5 Claims. (Cl. 74—16.)



4. A ratchet mechanism as a machine element, a member having a spring pressed locking pin, a second member associated with the first named member, said members being movable with respect to one another, said second named member having a wall formed with a pair of parallel courses, one of said courses having a plurality of ratchet teeth formed therein for engaging with the locking pin, said member being further provided with a groove for guiding the pin from one course to the other.

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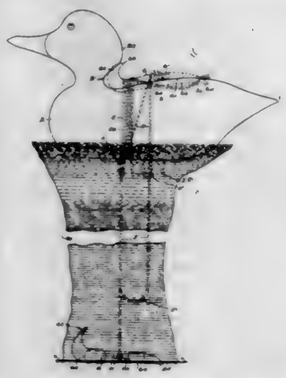
1,565,474. ANCHOR FOR DECOYS. RAYMOND S. LINK, Syracuse, N. Y. Filed Sept 14, 1925. Serial No. 56,340. 5 Claims. (Cl. 43—3.)



1. The combination with a decoy and an anchor cable secured thereto, of an anchor supported by the cable comprising an arched body having diverging prongs at one end and having grappling hooks at its opposite end

adapted to prevent dragging of the anchor longitudinally, said hooks being arranged to form a yoke adapted to straddle the neck of the decoy when the anchor and decoy are prepared for transportation or storage, and means for preventing dragging of the anchor laterally.

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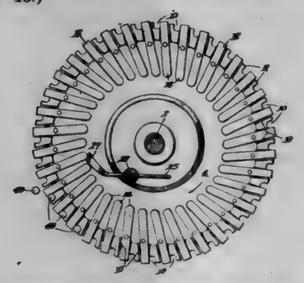
**1,565,475. MACHINE FOR CUTTING BUTTON BLANKS.** GEORGE A. LIPPINCOTT, Philadelphia, Pa. Filed May 6, 1922. Serial No. 559,039. 7 Claims. (Cl. 79—15.)



1. In a machine for the purpose described, the combination of a rotary holder provided with a circumferential peripheral groove and a series of passages extending parallel to the axis of the holder and intersecting said groove, each said passage being adapted to receive a blank to be cut, a stop supported by the holder adjacent one end of each said passage for determining the extent to which the blank in said passage shall extend beyond the peripheral groove in one direction, means for simultaneously adjusting all of said stops axially of the holder, and a saw extending into said peripheral groove and adapted to sever the blanks successively as the rotating holder carries them across the path of the saw.

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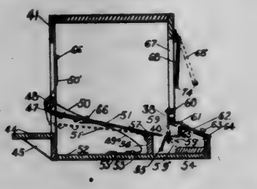
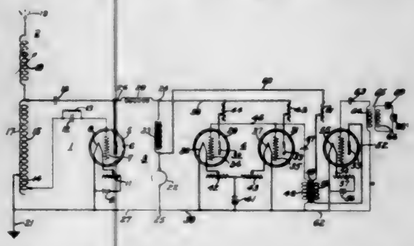
**1,565,476. METHOD AND MEANS FOR DETERMINING THE EGG PRODUCTION OF FOWLS.** ARLINGTON P. LITTLE and MYRTLE T. LITTLE, Golden, Colo. Filed Mar. 1, 1924. Serial No. 696,333. 4 Claims. (Cl. 119—47.)



4. In a trapnesting system of the character described, comprising a plurality of consecutively arranged pens for fowls, a plurality of laterally aligned trapnests interposed between every two consecutive pens, said trapnests each comprising a spring elevated inclined platform, a normally open entrance door adapted to be closed by the weight of a fowl upon the spring elevated inclined platform, an egg receptacle adjacent one end of the platform, a normally closed exit door, means normally engaging and holding said exit door in closed position, means actuated by the weight of an egg adapted to release said first mentioned means, means on said second mentioned means to prevent the egg from dropping into said receptacle thereby preventing the first mentioned means from returning to its normal door engaging position, and means operated by the weight of the hen leaving the nest to actuate said second mentioned means to allow the egg to drop into said receptacle and allow said first mentioned means to return to normal door engaging position after the hen has left the nest.

**1,565,477. VACUUM-TUBE STABILIZING MEANS.** DONALD G. LITTLE, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 1, 1922. Serial No. 540,326. 4 Claims. (Cl. 179—171.)



1. In a radio sending device, a generator and a modulator operatively associated therewith, said modulator including a plurality of tube devices in parallel and means for separately adjusting the plate potential of each of said tube devices.

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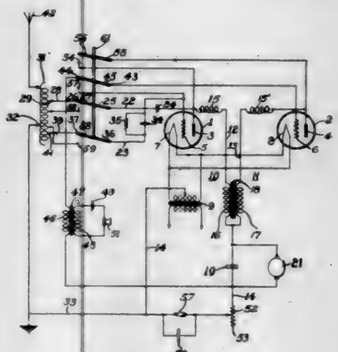
**1,565,478. RADIOTRANSMITTER.** DONALD G. LITTLE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 6, 1923. Serial No. 630,265. 7 Claims. (Cl. 250—17.)



1. A pair of tubes provided with plate circuits including transformer windings, said plate circuits being interlinked through said transformer windings, means for at will connecting said tubes in parallel and means included in one of said plate circuits for controlling the parallel operation of said tubes.

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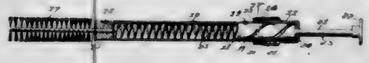
**1,565,479. ROTARY TOOTHBRUSH.** JOHN LORRAINE and RALPH S. HAUGH, Medicine Hat, Alberta, Canada. Filed Aug. 1, 1922. Serial No. 578,879. 1 Claim. (Cl. 15—26.)



A rotary tooth brush structure comprising a relatively short cylindrical casing adapted to serve as a handle grip, a tube journaled in the casing, said tube being relatively long and having an end portion extending for a considerable distance beyond the end of the casing, a cylindrical brush fixed to the distal end of the tube and having all of its bristles exposed, means for retaining



the tube against longitudinal movement with relation to the casing, a plunger slidably mounted in the tube and completely housed therein, there being pin and spiral groove connection between the plunger and the tube, a handle carried by the plunger and normally disposed beyond the end of the casing and a coil spring housed in the tube and interposed between the plunger and the brush.

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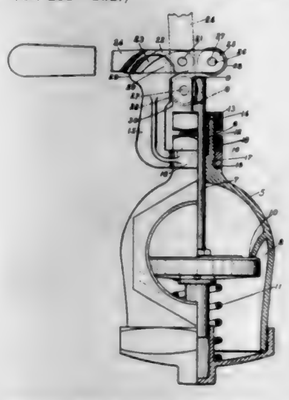
**1,565,480. VALVE.** RANDALL MCFARLAN, Cincinnati, Ohio. Filed Apr. 13, 1925. Serial No. 22,781. 3 Claims. (Cl. 251—132.)



1. In a device of the class described the combination with a valve casing having a reciprocating valve stem extending therefrom, a bracket mounted on the casing and having a lug overhanging the casing, of an operating lever pivotally mounted on the lug on one side of the longitudinal center of the valve stem, a roller revolubly mounted on the lever on the opposite side of the longitudinal center of the valve stem when the lever is in inoperative position, and a spring operative upon the valve stem for yieldingly retaining said valve stem at its outermost limit of reciprocation, the lever being adapted to normally assume an inoperative position extending transversely of the valve stem and adapted to be moved about its pivotal mounting whereby the roller is moved through an arc to contact and depress the valve stem against the yielding resistance of the spring until the roller is moved beyond the center line of the valve stem, after which the pressure of the spring on the valve stem will cause the valve stem to further move the roller through its arcuate path into abutment with the bracket whereby the roller is wedged between the valve stem and the bracket for retaining the lever in an operative position in substantially parallelism with the valve stem.

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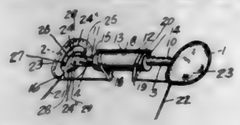
**1,565,481. TONSIL HEMOSTAT.** DONALD MCKAY, Collingwood, Ontario, Canada. Filed Oct. 20, 1923. Serial No. 669,756. 7 Claims. (Cl. 128—325.)



1. In a tonsil hemostat, a pressure plate adapted to support a pad and to fit a tonsil bed, means engaging the opposite side of the throat, means located between such engaging means and the pressure for forcing the pressure into the tonsil bed, and a pull cord operable from the exterior of the patient's mouth for withdrawing the pressure plate out of engagement with the bed.

**1,565,482. WEFTLESS TIRE-FORMING CORD BAND.** JOSEPH A. MCLANE, Washington, D. C., assignor to Ultratex Products Company, a Corporation of Maine. Filed Jan. 18, 1923. Serial No. 612,378. 3 Claims. (Cl. 139—383.)

1. A textile article of manufacture for the continuous production of weftless rubberized cloth therefrom during the passage of the same through suitable rubber-applying means, said article comprising a multiplicity of cords or warps arranged in parallel relation to form a weftless band of relatively great length and terminating in woven sections at each end adapted to provide means for maintaining the cords or warps in flat parallel relation and furnish a wind-up portion upon which the cords of the unwoven length of the band are wound in parallel relation and maintained in such relation in the winding.

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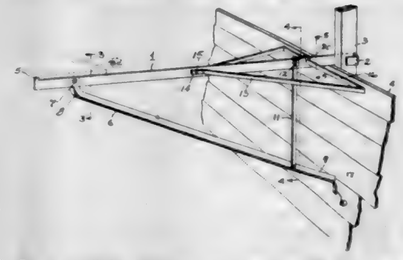
**1,565,483. SCAFFOLD BRACKET.** ARCHIBALD MCLAREN, Cleveland Heights, Ohio. Filed July 12, 1924. Serial No. 725,717. 7 Claims. (Cl. 304—33.)



1. In a scaffold bracket, the combination of a main supporting bar provided with a hook at the inner end adapted to engage an upright, a supporting member pivotally connected to said main bar near the end opposite to said hook and having limited angular movement away from said bar, and a triangular brace member pivoted to said bar and with its base parallel to the wall boards and provided with means for engaging said bar to prevent relative sidewise movement between said bar and said brace.

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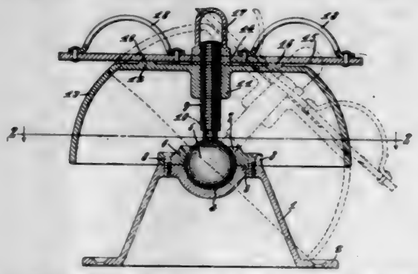
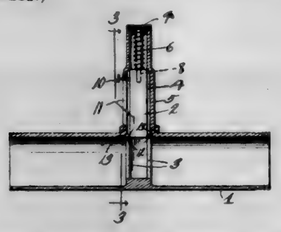
**1,565,484. EXERCISER.** ROBERT B. MCWHIRTER, Newark, Ohio. Filed Dec. 1, 1923. Serial No. 677,998. 2 Claims. (Cl. 272—57.)



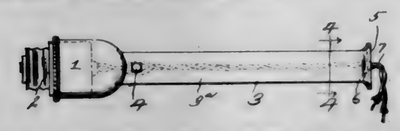
1. The combination with a pedestal and an annular flange thereon, of a table above the pedestal, an adjustable universal bearing connection between the top of the pedestal and the center of the table, an annular flange depending from the table for rolling engagement with the pedestal flange when the table is tilted, a foot rest supported by the table, and means for holding the feet of the user upon the foot rest.

1,565,485. VALVE. ALLEN E. MELSON, Maynard, Ohio. Filed May 23, 1925. Serial No. 32,356. 3 Claims. (Cl. 67—115.)



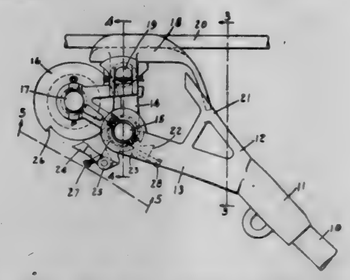
1. A pressure controlled valve for gas pipe lines comprising a casing, vertically disposed spaced guide ribs at opposite sides of the casing, an extension casing carried by said casing, a gate valve slidably mounted in the extension casing and adapted to move downwardly between the spaced guide ribs, a guide sleeve carried by said valve, a removable cap carried by the extension casing, a guide rod carried by said cap and extending into the sleeve, a coiled spring surrounding the sleeve and interposed between the cap and the valve and a handle member carried by the valve and extending outwardly through a vertically elongated slot in the side of the extension casing and forming means whereby the valve may be manually moved to open position.

1,565,486. ELECTRIC CONNECTER. BENJAMIN F. MOODY, Detroit, Mich. Filed Apr. 8, 1925. Serial No. 21,614. 2 Claims. (Cl. 173—359.)



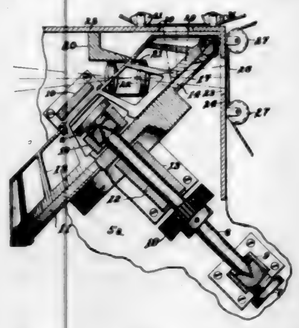
1. The combination with an electric plug, an electric wire leading to said plug, of a holder for said plug, said holder comprising an elongated U-shaped handle member having oppositely disposed arms, clamping jaws carried by the free ends of the arms of the handle member and engaging opposite sides of the plug, said electric wire carried by the plug extending rearwardly between the arms of the handle member and through an aperture in the rear end thereof and means extending through said arms of the handle member for forcing the same together.

1,565,487. SLIDING TROLLEY. OTTO MOORE, Frankfort, Ind., assignor to Trolley Shoe-Wheel Company, Indianapolis, Ind., a Corporation of Indiana. Filed June 22, 1922. Serial No. 570,135. 11 Claims. (Cl. 191—59.1.)



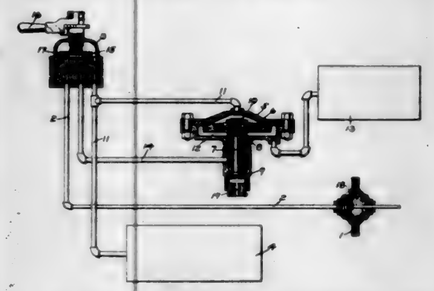
1. A sliding trolley for an electric driven vehicle comprising a trolley harp, a contact member pivotally mounted upon said harp in position to engage and make contact with a trolley wire only when the trolley is moving in one direction, and a second contact member pivotally mounted upon said harp for making contact with the trolley wire when moving in the opposite direction, said members being removably mounted thereon independently of each other.

1,565,488. MOVING-PICTURE CAMERA. MILTON M. MOORE and FRIEND F. BAKER, Los Angeles, Calif. Filed May 31, 1921. Serial No. 474,018. 4 Claims. (Cl. 88—16.4.)



1. A motion picture camera comprising a case having apertures in the end and top thereof; a revoluble shaft mounted in said case; a lens holder in said case; a lens in said holder adapted to project an image through the end aperture; a member mounted on said shaft; said member having a plurality of reflecting surfaces in the outer portion spaced by openings between the reflecting surfaces and a non reflecting portion, said reflecting surfaces being adapted to deflect the image through the top aperture and the nonreflecting portion to prevent the image from passing through either aperture.

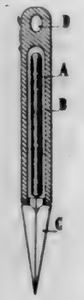
1,565,489. MOTOR-VEHICLE BRAKE. JOSEPH C. MORRELL, White Plains, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed May 3, 1924. Serial No. 710,783. 3 Claims. (Cl. 303—63.)



1. In a fluid pressure brake, the combination with a brake valve device for controlling the application and release of the brakes, of a source of fluid under pressure from which fluid is supplied by operation of said brake valve device to apply the brakes, and an emergency valve provided with an exhaust port through which fluid is released by operation of said brake valve device in releasing the brakes and operating upon loss of pressure from said source for closing said exhaust port and for effecting an application of the brakes.

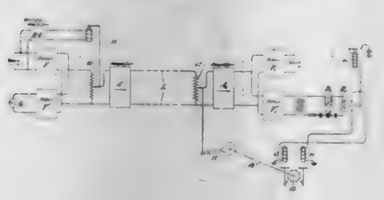


1,565,490. APPARATUS FOR APPLYING CURATIVE TREATMENT WITH A RADIOACTIVE SUBSTANCE. ANTOINE MUGUET, Ile-St.-Denis, France. Filed June 28, 1922. Serial No. 571,581. 1 Claim. (Cl. 174—177.)




A device of the character described comprising an elongated tubular vial containing a radioactive substance, an outer metallic casing enclosing said vial, said casing being open at one end and closed at the other and provided with an opening at the closed end for the reception of a withdrawing element and a pointed needle having a butt end of sufficient size to close the open end of the casing and provided, at said butt end with a reduced extremity adapted to fit within the casing, said needle being free to be readily removed from the casing.

1,565,491. VOLUME CONTROL OF TRANSMISSION. HARRY NYQUIST, Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 13, 1924. Serial No. 737,585. 10 Claims. (Cl. 178—44.)



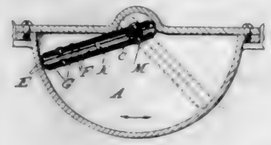
1. In a signaling system, a transmission medium, an adjustable transmission element at the transmitting end of said medium, means to apply signaling currents to said transmission element, means to adjust said transmission element in accordance with the variations in volume of the signaling current, means to apply a control frequency to said transmission element, a compensating transmission element at the receiving station, and means responsive to a change in amplitude of the received control current to adjust said compensating transmission element to compensate for the change in amplitude of the received control current.

1,565,492. AUTOMOTIVE BRAKE DEVICE. CLYDE A. OHL, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Jan. 11, 1924. Serial No. 685,561. 1 Claim. (Cl. 188—152.)

In a vehicle brake, the combination with a brake drum and braking members mounted in said drum, of a cover plate for said drum, a brake chamber carried by said cover plate, a wedge for spreading said braking members, a movable abutment in said brake chamber for operating said wedge, and members interposed between

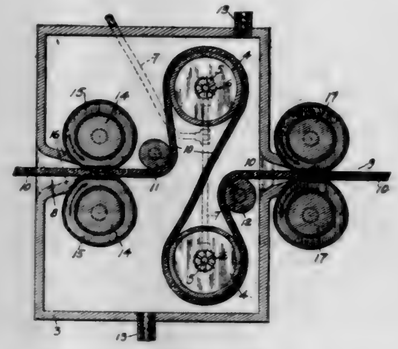
said wedge and said braking members and connected to said cover plate for preventing lateral movement of said braking members.

1,565,493. FLUID-PRESSURE MOTOR. JOHN R. OISHEI, Buffalo, and ERWIN C. HORTON, Hamburg, N. Y., said Erwin C. Horton assignor to said John R. Oishei, Buffalo, N. Y. Filed May 10, 1923, Serial No. 638,028. Renewed Mar. 11, 1925. 15 Claims. (Cl. 74—109.)



1. A fluid pressure motor having a piston and a piston shaft projecting therefrom, said piston having pressure-receiving portions along said shaft at opposite sides thereof, bearings for said shaft, and an opening in said piston at said shaft, whereby air passing along said piston shaft through said bearing enters behind the pressure-receiving portions of said piston.

1,565,494. APPARATUS FOR DRYING SHEET MATERIAL. IAN D. PATTERSON, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 31, 1922. Serial No. 578,672. 4 Claims. (Cl. 94—48.)



3. Apparatus for drying sheet material comprising a container having a plurality of openings adapted for the passage of sheet material, and means for sealing the openings, said means comprising two adjacently disposed rotatable members each having mounted thereon a flexible container having a fluid confined therein, said containers being adapted to engage the material passing through the opening, and also the edges of the opening.

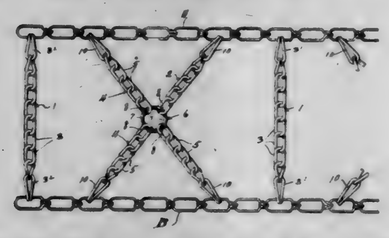
**1,565,495. PROCESS BY WHICH ALUMINUM METAL AND ITS ALLOYS MAY BE APPLIED TO FERROUS METAL.** CARL W. PFEIL, Greenbank, Wash. Filed May 1, 1922. Serial No. 557,705. 10 Claims. (Cl. 91—70.1.)

2. The process of applying an aluminum coating to a base metal which consists in very finely dividing the aluminum in a bath of an air-excluding film-producing material, applying the compound thus formed to the metal to be coated and heating.

**1,565,496. PROCESS FOR MAKING AND COMBINING CORRODE-RESISTING METALS.** CARL W. PFEIL, Greenbank, Wash. Filed Sept. 20, 1922. Serial No. 589,464. 8 Claims. (Cl. 91—70.1.)

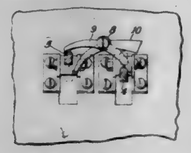
1. A process of providing a corrode-resisting metallic combination for composite ferrous metals, which consists in heating a tin-coated ferrous metal until the tin melts and mixing finely divided aluminum with the molten tin until it can absorb no more.

**1,565,497. ANTISKID DEVICE.** ALEXANDER CASWELL RANKIN, Greeneville, Tenn. Filed Mar. 4, 1924. Serial No. 696,849. 1 Claim. (Cl. 152—14.)



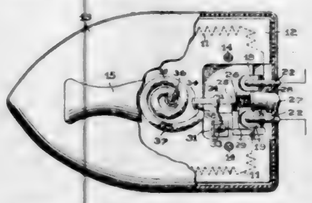
An anti-skid device comprising side chains, a plurality of like sections disposed between said side chains, each of said sections consisting of two units, one of said units comprising a circular member disposed intermediately between said side chains and diagonal chains leading therefrom and connected at their inner ends thereto, the outer ends of the diagonal chains being separately secured to individual links of the side chains, said circular member being undulated to provide offsets with notches therebetween for engaging the inner end link of the diagonal chains and to provide ground engaging means between said links, said diagonal chains to provide anti-skid and anti-slip means, and a cross chain connecting the side chains at a point substantially midway between each pair of adjacent sets of diagonal chains, said cross chain being spaced from said adjacent pairs of diagonal chains.

**1,565,498. INTERLOCKING DEVICE.** ERNEST K. READ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 24, 1920. Serial No. 412,544. 6 Claims. (Cl. 74—83.)



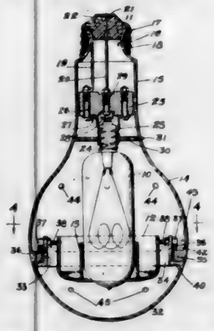
1. In an interlock device, the combination with a pair of levers, of an arm pivoted intermediate its ends and having each end extending across one of the levers to prevent either of said levers being moved to advanced position while the other lever is in advanced position, and a second arm pivoted intermediate its ends and having a weighted end extending across one of the levers and the other end extending downwardly in position to normally abut the side of the other lever to maintain it normally in retracted position.

**1,565,499. SAFETY SWITCH FOR ELECTRIC IRONS.** THOMAS A. REID, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,605. 5 Claims. (Cl. 200—136.)



1. A temperature-limiting means for an electrically heated device comprising a switch mounted on the body portion of said heated device, means manually actuated from the outside of a cover member of said heated device for moving said switch to its closed position, and thermally controlled means, comprising a closed tube filled with a fusible material and having one end rigidly mounted on the body portion of said heated device, for holding said switch in its closed position and for permitting said switch to open upon the occurrence of a predetermined temperature in the body portion.

**1,565,500. ELECTRIC VAPORIZER.** EDWARD RITTER, New York, N. Y. Filed Dec. 3, 1924. Serial No. 753,664. 12 Claims. (Cl. 219—45.)

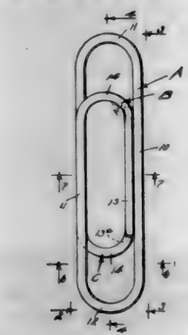


6. In a dispenser, the combination with a heating unit and a fluid container mounted adjacent thereto, of a casing having a plurality of parts, one of which supports said container and has lug means for engaging the other part, said other part having a rib to co-operate with said lug thus retaining said casing parts in engagement, said lug means comprising a spring pressed follower, while said rib is provided with stop means co-operating therewith to govern the movement therealong.

**1,565,501. PAPER CLIP.** FRANK HOWARD ROBINSON, Jr., Brea, Calif. Filed June 19, 1924. Serial No. 720,940. 1 Claim. (Cl. 24—261.)

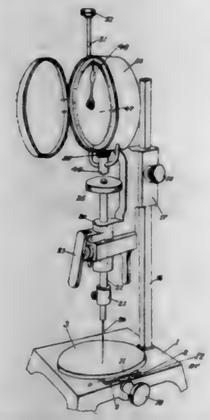
A clip of the character described including an elongate loop having one side formed of a continuous part and the other side formed of two overlapping parts extending in opposite directions and inclined to the plane of the loop so that their outer ends are at opposite sides of the plane of the loop, and two parts corresponding to





said overlapping parts and located immediately inside the continuous part of the loop and each connected with the outer end of one of the overlapping parts.

**1,565,502. PENETROMETER.** FRED RODLER, Cincinnati, Ohio. Filed Oct. 23, 1924. Serial No. 745,487. 6 Claims. (Cl. 265—12.)



1. In a penetrometer, the combination with a base and standard, of an adjustable element on the standard, said element having a gauge and needle plunger thereon, a material supporting table on the base, and means for giving micrometer adjustment in height to the table to provide fine adjustments of the position of the surface of a piece of material to be tested.

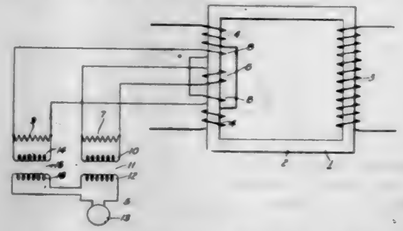
**1,565,503. WOOD PRESERVATION.** CLARK T. HENDERSON and LUDWIG ROSENSTEIN, San Francisco, Calif.; said Rosenstein assignor to said C. T. Henderson, San Mateo County, Calif. Filed June 21, 1922. Serial No. 569,922. 16 Claims. (Cl. 99—12.)

1. An emulsion for wood preservation which consists of about 85% of a water repellent, water insoluble fluid permanently mixed with about 10% of a toxic inorganic salt in an aqueous solution, and about 5% of an emulsifying organic agent.

13. As a new wood impregnating agent an emulsion capable of being diluted with oil but immiscible with water comprising an oily wood preserving agent, an aqueous wood preserving agent and an emulsifying agent.

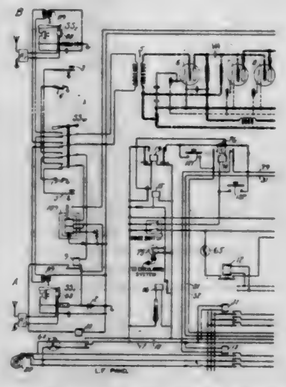
16. As a new product wood impregnated with an emulsion of an aqueous solution of a toxic inorganic salt in an asphalt base mineral oil.

**1,565,504. MEASURING DEVICE.** HAROLD H. RUDD, Edgewood, and ALLAN P. BENDER, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 26, 1918. Serial No. 251,392. 6 Claims. (Cl. 73—32.)



1. A temperature-measuring device for a transformer comprising an exploring winding having a relatively high temperature coefficient, an exploring winding having a relatively low temperature coefficient, said windings being inductively and thermally associated with the transformer, means for causing the currents traversing the windings to exert opposing effects, and means for indicating the resultant of said effects.

**1,565,505. RADIOTRANSMITTER.** FRANCIS M. RYAN, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 14, 1924. Serial No. 731,906. 15 Claims. (Cl. 250—17.)

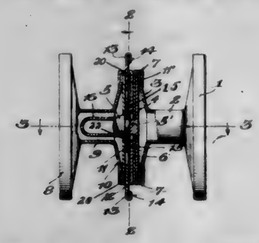


14. In a radio transmitting system employing a plurality of vacuum tubes, means for making changes in the circuit, means for automatically shutting off the power supply to said tubes while a change in the circuit is being made and for switching the power on to the tubes when the circuit change has been made.

**1,565,506. SEPARABLE BUTTON.** LESSER SAMUELS, New York, N. Y. Filed Mar. 7, 1924. Serial No. 697,490. 5 Claims. (Cl. 24—110.)

1. In a separable button, a male member having a stem and a bend therein, a female member having a head, a hollow post flanged outwardly, a plate engaged against the flange and having a slotted rim, a pair of

clamping members having arms slidable in said slots of the rim and having relatively opposed jaws to grip the stem of said head of the male member therebetween, a plate engaged with said rim and over the clamping members and having its edge rolled over the rim and flange of the post and slotted to receive said arms, and a flat



U-shaped spring in the hollow post formed independent of the clamping members and having fingers at each end thereof, the fingers extending outwardly in opposite directions and being engaged with the respective clamping members on opposite sides of the jaws to tension the latter in a direction toward each other.

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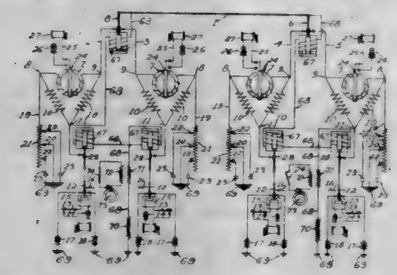
1,565,507. TELEGRAPH SYSTEM. EUGENE SIXTEN SANDBERG, Indianapolis, Ind. Filed May 23, 1924. Serial No. 715,264. 12 Claims. (Cl. 178—71.)



1. An electrical communication system comprising a main line, a plurality of sub-lines at each end thereof, a distributor at each end operated synchronously by periodically varying current energy transmitted through the main line for connecting the several sub-lines thereat in succession to the main line, and by-pass circuits at each end for shunting the periodically varying current around the said sub-lines, the said by-pass circuits each including a high resistance to prevent the signalling current from being shorted therethrough.

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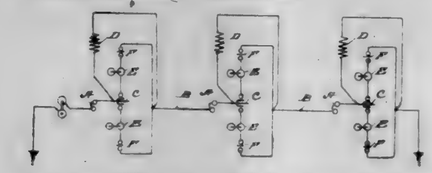
1,565,508. DUPLEX METHOD OF AND APPARATUS FOR SENDING TELEGRAPHIC MESSAGES. EUGENE SIXTEN SANDBERG, Harrisburg, Pa., assignor of fifteen per cent to H. O. S. Sandberg, Harrisburg, Pa., and ten per cent to Leland B. Newell, Springfield, Ill. Filed Sept. 4, 1920, Serial No. 408,147. Renewed Sept. 19, 1925. 8 Claims. (Cl. 178—50.)



1. A current-dividing relay for telegraph lines using alternating current, comprising a polarized magnet influenced by the alternating current, a vibrator in the alternating current circuit and operated by said magnet to vibrate in synchronism with the alternating current, contact posts forming terminals of independent line circuits including telegraph instrument sets, said posts being alternately engaged by the vibrator on each complete cycle of movement, and a high resistance unit in series with the polarized magnet having one end operatively connected with the magnet and its other end to a contact post to be engaged by a main line wire.

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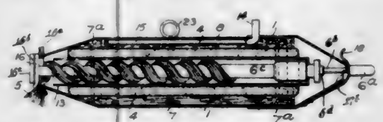
1,565,509. MEANS FOR AND PROCESS OF CURLING AND WAVING HAIR. PETER SARTORY, Bayswater, London, England. Filed Aug. 4, 1924. Serial No. 730,122. 3 Claims. (Cl. 132—36.)



1. The combination with a steaming tube, of an exothermically operating tubular member disposed within the steaming tube including an inner annular layer of chemical material, and an outer layer of fibrous material, said chemical material being such as to react exothermically with a liquid, and said fibrous layer being capable of distributing a liquid reagent which can produce such reaction in said layer.

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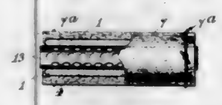
1,565,510. EXOTHERMIC HEATER. PETER SARTORY, Bayswater, London, England. Original application filed Aug. 4, 1924, Serial No. 730,122. Divided and this application filed Dec. 24, 1924. Serial No. 757,934. 4 Claims. (Cl. 132—36.)



2. An exothermically operating tubular heater for use in curling and waving human hair upon a curler, comprising the combination with a support including a skeleton member of cylindrical section, and a porous fabric covering said member, of a layer of chemical material surrounding said fabric, and a layer of fibrous material surrounding the chemical layer, such chemical material being such as to react exothermically with a liquid, and the fibrous material being capable of acting as a distributor of the liquid to the chemical layer.

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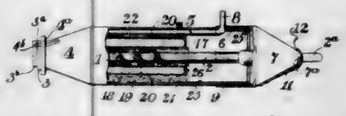
1,565,511. STEAMING TUBE. PETER SARTORY, Bayswater, London, England. Original application filed Aug. 4, 1924, Serial No. 730,122. Divided and this application filed Dec. 24, 1924. Serial No. 757,935. 7 Claims. (Cl. 132—36.)



1. In combination, a steaming tube, a closure for the root end of the tube, an axial member connected to said closure and extending through said tube beyond the tip end thereof, a shoulder on the axial member at the tip end thereof, a lug on said tube at the tim pend, a cap for the tip end, a helically slotted flange to said cap extending beyond the lug, the cap having a central aperture to pass over said axial member, a spring detent



fixed on said cap for constricting the central aperture behind said shoulder, so that on rotation of the cap on the steaming tube, the cap bearing on the lug is forced axially of the tube by reason of the detent engaging the shoulder of the axial member to force the closure of the axial member steam tight against the root end of the steaming tube.

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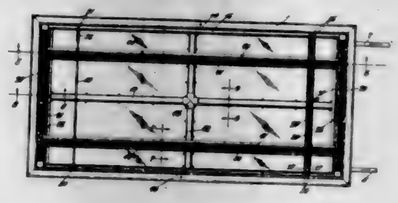
1,565,512. APPARATUS FOR STRETCHING AND DRYING LAUNDERED ARTICLES. ALBERT O. SCHRAMM, St. Louis, Mo., assignor to Schramm Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 17, 1924. Serial No. 707,158. 21 Claims. (Cl. 34—17.)



6. In an apparatus of the character described, a frame comprising channel end members having their flanges extending outwardly, channel bars attached to said end members and having their flanges extending inwardly, side frame members rigid with said end members, racks upon the flanges of said channel bars adjacent to said end members, a longitudinal bar, a shaft rotatively connected with said longitudinal bar, and pinions on said shaft meshing with said racks.

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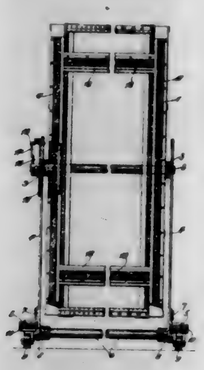
1,565,513. APPARATUS FOR STRETCHING AND DRYING LAUNDERED ARTICLES. ALBERT O. SCHRAMM, St. Louis, Mo., assignor to Schramm Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 17, 1924. Serial No. 707,159. 5 Claims. (Cl. 34—17.)



5. An apparatus of the character described, comprising a carriage, an axle rotatively supported by said carriage, a frame attached to said axle, an arm rigid with said axle and having a hole therethrough, a plate rigidly supported by said carriage and having an arcuate series of holes therethrough, and a pin arranged to pass through the hole in said arm and through any selected one of the holes in said plate.

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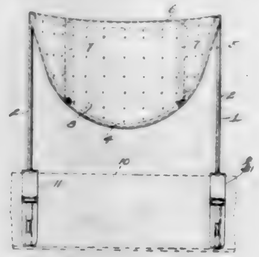
1,565,514. HEADREST. AMANDA J. SCHUMACHER, Columbus, Ohio. Filed June 25, 1923. Serial No. 647,420. 2 Claims. (Cl. 155—174.)



2. A head rest of the character set forth comprising a pair of vertical transversely spaced arms, said arms terminating at their upper ends in horizontally and forwardly extending portions, said last named portions being terminated at their forward ends in a downwardly directed substantially semi-circular loop, said loop being disposed in a relatively vertical plane in advance of the said vertically extending portions of said arms, brace means extending inwardly from said loop, and a substantially concave head supporting pad connected with said loop and said brace means, said pad being situated between said loop and said vertically extending arms.

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1,565,515. WASHABLE BLACK SILK PIECE GOODS AND PROCESS OF DYEING THEM. JOSEPH SEYER, Hawthorne, N. J., assignor to Standard Silk Dyeing Co., Paterson, N. J., a Corporation of New Jersey. Original application filed Dec. 1, 1922, Serial No. 604,390. Divided and this application filed Feb. 24, 1923. Serial No. 621,075. 13 Claims. (Cl. 8—5.)

8. The process of producing washable black silk piece goods which comprises working the goods in a boiling bath containing logwood and fustic extracts, working them in a boiling bath containing hematine extract and soap, treating them with hot tannic acid and tartar emetic, and cleansing them in a hot soap solution.

12. Black silk piece goods dyed in the piece and having the characteristics of fastness to washing in luke warm soap water, evenness in shade, and of not bleeding in cold water or discoloring non-silk fibers.

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1,565,516. PROCESS OF DYEING SILK. JOSEPH SEYER, Hawthorne, N. J., assignor to Standard Silk Dyeing Co., a Corporation of New Jersey. Filed Mar. 15, 1923. Serial No. 625,257. 6 Claims. (Cl. 8—5.)

6. The process of dyeing silk piece goods weighted in the skein with a tin compound, which comprises treating them with disodium phosphate solution containing a direct dye.

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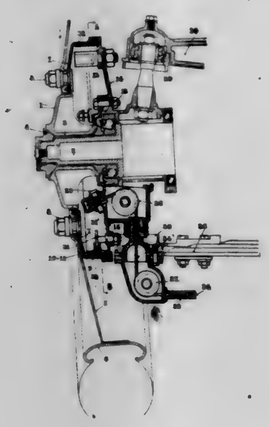
1,565,517. BRAKE FOR MOTOR VEHICLES. MAURICE SIZAIRE, Courbevoie, France, assignor to Societe des Automobiles Sizaire, Courbevoie, France. Filed Feb. 3, 1925. Serial No. 6,592. 3 Claims. (Cl. 188—194.)

1. A brake device for the wheels of motor vehicles comprising a brake drum secured to said wheel, a brake lining secured to the interior of said drum, a non-rotatable annular plate carried by the hub of the wheel, a divided resilient ring located within said drum and adapted to cooperate with said lining, said divided ring having recesses at its ends, a stop secured to the annular plate for engagement with said recesses, adjustable guide rollers mounted on said plate and engaging with the di-

vided ring for the purpose of adjusting said ring in relation to the brake lining, an extension at one end of said ring, the other end of the ring having an opening therein, a bell crank lever pivotally mounted on said extension, one arm of said bell crank lever engaging



with said opening, operating means connected to the other arm of said bell crank lever, and springs attached to the ring and the plate, said springs being adapted to normally contract the ring and separate it from the brake lining.

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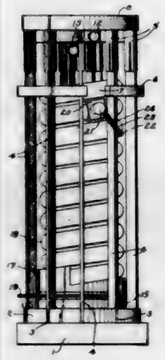
1,565,518. TUBING BLEEDER. ELMER D. SMYSER, Fellows, Calif., assignor of one-third to Roy M. Smith and one-third to Perl E. Williams, both of Fellows, Calif. Filed June 12, 1925. Serial No. 36,733. 8 Claims. (Cl. 103—221.)

1. A tubing bleeder for wells including a tubing section having a side opening, a bleeder valve closing said opening, fragile means retaining said valve in closed position, and means operable upon turning of the tubing section for releasing said valve by destruction of said fragile means.

1,565,519. APPARATUS FOR MAGNETIC SPRING TESTING. THOMAS SPOONER, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1921. Serial No. 463,362. 7 Claims. (Cl. 175—183.)



1. Apparatus for testing helical springs of magnetic materials comprising a cylindrical cage, a rotatable base for mounting a coil spring centrally therein, means for rotating said base, means for passing magnetic flux through said spring, a coil adapted to be engaged with the spring to be tested and means connected to said coil for noting flux densities in said spring.

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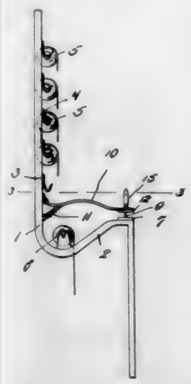
1,565,520. DISPLAY RACK AND CUTTER. COLONEL B. STOCKTON, Prentiss, N. C. Filed Mar. 5, 1924. Serial No. 697,074. 1 Claim. (Cl. 164—42.)



A cutter for a display rack comprising standards having upwardly curved bottom end portions, a plate mounted upon the extremities of the end portion and bridging the space between them, said plate provided with a longitudinally extending slot starting adjacent one end thereof and terminating coincident with the other end, arms pivotally mounted upon the standards, a second plate connected with the free ends of said arms and having a slot with its ends disposed between the ends of the second plate and adapted to register with the slot in the first plate, said second plate being shorter than



the first plate, spring means for retaining the second plate above and on the first plate, a knife mounted for longitudinal movement along the slot of the second plate so that its blade may extend through the slot of the first plate, and means carried by the knife and engageable with the second mentioned plate for preventing the knife from moving vertically with relation to said second mentioned plate.

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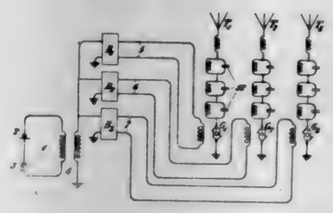
1,565,521. SECRET-COMMUNICATION SYSTEM. JOHN STONE STONE, San Diego, Calif., and CLAUDE CUSTER ROSE, East Orange, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 8, 1920. Serial No. 429,137. 13 Claims. (Cl. 250—9.)



1. In a radio transmission system, a sending station, means at said sending station for dividing the message frequency band into sub-bands and for radiating each of said sub-bands on a separate carrier frequency, means at said sending station for producing a disturbing low frequency band, and means for radiating said low frequency band on carrier frequencies intermediate in the frequency scale to said first mentioned carrier frequencies.

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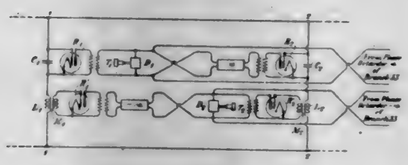
1,565,522. CARRIER-CURRENT MULTIPLEX SIGNALING SYSTEM. JOHN STONE STONE, San Diego, Calif., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 23, 1923. Serial No. 676,624. 6 Claims. Cl. 179—15.)



1. A conductor carrying currents of several different frequencies to be separated in their effects, respective branch conductors appropriate to the respective frequencies, respective apparatus to be actuated by electromotive forces in said branches and cross-connecting means to each apparatus from the other branches to neutralize the effect through the corresponding branch due to currents to which the other branches are appropriate.

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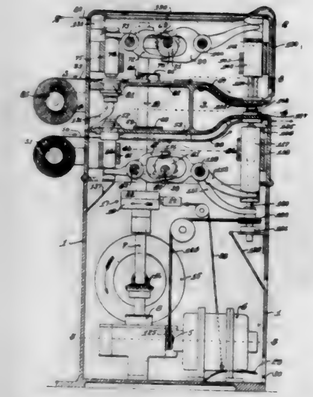
1,565,523. GROMMET MAKING AND SETTING MACHINE. JOHN LENARD STUART, Oakland, Calif., assignor to Stuart Machine Co., San Francisco, Calif., a Corporation of California. Filed July 28, 1924. Serial No. 728,686. 32 Claims. (Cl. 218—14.)

1. In a machine for making and setting grommet members with co-operating washer members, means for supporting a blank having one of said members partially formed therein; means for automatically positioning the



other member in setting relation thereto; and means for removing the partially formed member from its blank and setting it with said other member in the work.

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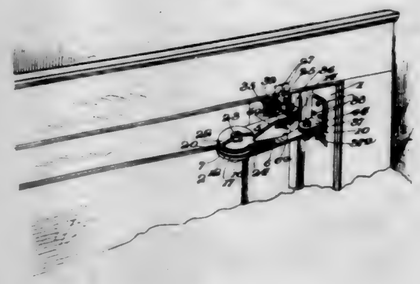
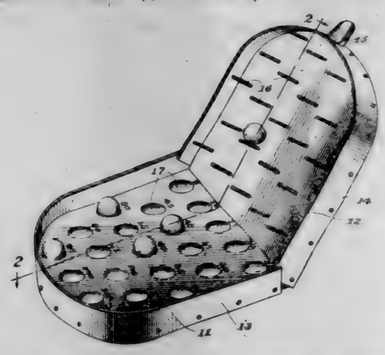
1,565,524. DOOR CONTROL. WILLIAM BRYAN SUMMERALL, Atlanta, Ga. Filed Dec. 10, 1924. Serial No. 755,096. 4 Claims. (Cl. 292—275.)



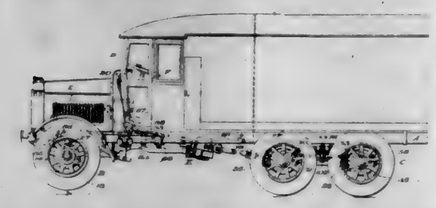
1. A device of the character described comprising a pair of flat bar-like arms, one of said arms having a concavo-convex laterally enlarged end portion formed with an arcuately curved marginal edge, the other of said arms having a laterally enlarged flat end portion formed with an outwardly curved marginal edge, said enlarged end portions having central openings formed therethrough adapted to be placed in alignment when the arms are disposed with the flat enlargement above the concavo-convex enlargements, a spacing disk between said enlargements, a second spacing disk superimposed on said flat enlargement, a convexo-concave clamping disk superimposed upon said last named spacing disk, said spacing disks and said clamping disk having central openings in alignment with one another and with the openings of said enlargements, a bolt having the shank thereof extending through said aligned openings, a nut in threaded engagement with said bolt for cooperating with the bolt to secure said enlarged end portions of the arms and said disks in superposed relation, means whereby one of said arms is pivotally attached at its other end to a door, and means whereby the other of said arms is secured at its other end to the frame for said door.

**1,565,525. GAME APPARATUS.** MARTIN TATOSIAN, Bridgeport, Conn. Filed Jan. 19, 1925. Serial No. 3,275. 1 Claim. (Cl. 273—120.)



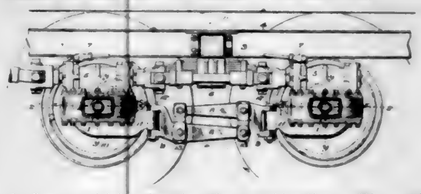
A game apparatus of the class described, comprising a horizontally disposed base member having a series of pockets positioned therein, a connected inclined member disposed at an angle with relation to the base member, a flange extending around the edge portion of both said base and inclined member, a series of pins positioned in the inclined member, and balls to be released at the upper end portion of the inclined member and adapted to roll down the incline between the said pins and into the pockets of the base, said flange having an opening at the upper portion of the inclined member, and a lip at said opening for receiving the balls and guiding them into the opening as the game is played.

**1,565,526. RUNNING GEAR FOR MOTOR VEHICLES.** ELLIS W. TEMPLIN, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 30, 1921. Serial No. 481,519. 11 Claims. (Cl. 180—22.)



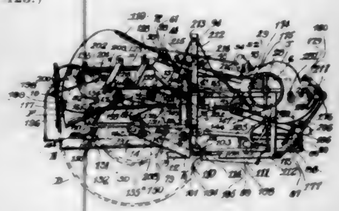
11. A motor vehicle chassis comprising a frame, two pairs of rearwardly located road-engaging wheels, axles for said wheels, housings for said axles, supporting springs extending between said housings and pivotally connected to each housing, each of said supporting springs being pivotally connected to said frame, and torque neutralizing mechanism connected the housings comprising a swivel sleeve mounted on one housing and adapted to turn about a horizontal axis at right angles to the axis of the housing, a pair of spaced parallel flat bar spring members positioned on edge to permit flexibility in a horizontal direction and relatively great stiffness in a vertical direction, one of said bars being pivotally connected to one of said housings to swing about a vertical axis, a supporting sleeve formed in said swivel sleeve adapted to receive the other end of said spring member and permit longitudinal movement of the member in the sleeve, the other bar member being pivotally connected to said swivel sleeve to swing about a vertical axis substantially parallel with the aforesaid vertical axis, and a supporting sleeve formed in the other housing adapted to slidably receive the other end of the last named bar member.

**1,565,527. TORQUE-NEUTRALIZING MECHANISM FOR MOTOR VEHICLES.** ELLIS W. TEMPLIN, Akron, Ohio, assignor to the Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 19, 1921. Serial No. 508,844. 17 Claims. (Cl. 180—22.)



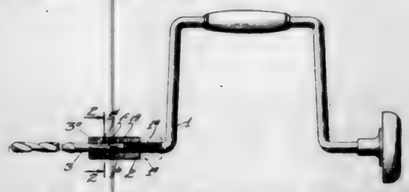
1. In a vehicle chassis, the combination with a plurality of relatively movable live axles and individual housings mounted freely thereon, of torque neutralizing mechanism comprising superposed laterally spaced bars pivotally connected respectively to opposite housings, and means connecting the bars for relative adjustment in a vertical plane to oppose the torque effect of one axle against the torque effects of the adjacent axle.

**1,565,528. SHEAF SHOCKER.** FREDERICK JAMES THODY, Swift Current, Saskatchewan, Canada. Filed Oct. 19, 1920. Serial No. 417,952. 42 Claims. (Cl. 56—423.)



1. A sheaf shocker of the character described, comprising a collapsible shock forming basket, means for discharging the sheaves into the basket, and means for closing, turning and lowering the basket to discharge the sheaves in the form of a shock, and supporting mechanism for the basket including a pivoted supporting lever, and means for moving the lever forwardly during lowering of the basket to permit the latter to drop vertically and means for opening the basket.

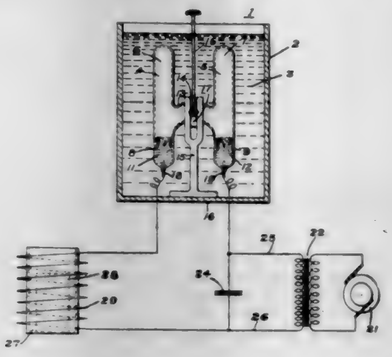
**1,565,529. TOOL COUPLING.** CHARLES S. THOMAS, San Diego, Calif. Filed June 12, 1922. Serial No. 567,620. 2 Claims. (Cl. 279—91.)



1. A tool coupling, including a shank member provided with a transverse hole therethrough and with reduced and outwardly diminishing furcations with fin ends, a tool member having a transverse head and a reduced outwardly increasing, angled male end conforming in shape but slightly larger than the opening formed by the furcations, said head fitting tightly the hole and said angled end adapted to spread the furcations of said shank member making it larger, and a sleeve adapted to fit over said shank member and be shifted thereon toward the tool member for clamping said tool member between the furcations of said shank.

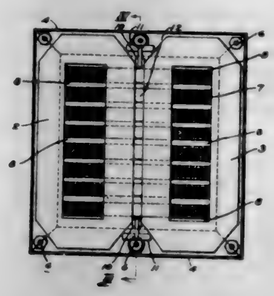


**1,565,530. MERCURY-VAPOR SPARK GAP.** PHILLIPS THOMAS, Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 18, 1921. Serial No 493,491. 4 Claims. (Cl. 250—38.)



1. In a spark-gap device, an H-shaped container, the two upright portions constituting distinct chambers, a vaporizable electrode at the lower end of each chamber, the cross connection being a tube connecting said chambers and affording a space-current path, the portions of each chamber above the cross connection constituting condensing chambers and having a greater cooling surface than said cross connection.

**1,565,531. LOCOMOTIVE TRANSFORMER.** ARTHUR W. THOMPSON, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 15, 1923. Serial No. 668,520. 4 Claims. (Cl. 175—356.)



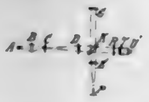
1. The combination with a laminated core structure comprising a plurality of loop portions and a coil surrounding one side of each of said loop portions, of end frames for said core structure and means for spacing said loop portions to provide a ventilating duct therebetween.

**1,565,532. METHOD OF MAKING VENTILATING STRIPS FOR TRANSFORMERS.** FRANK H. TUPPER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 555,181. 14 Claims. (Cl. 18—59.)

1. A method of joining molded articles which comprises roughening the surfaces to be joined, placing on said roughened surfaces a binder which is adapted to harden under the influence of heat and pressure, inserting

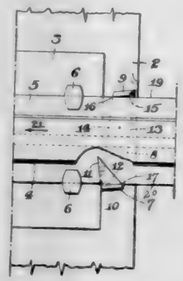
said articles in a press with their treated surfaces in engagement and applying heat and pressure thereto to form an integral structure.

**1,565,533. MANUFACTURE OF LENSES AND IN APPARATUS THEREFOR.** FRANK TWYMAN and ALFRED GREEN, London, England, assignors to Adam Hilger, Limited, London, England. Filed Nov. 10, 1923. Serial No. 674,032. 11 Claims. (Cl. 88—56.)



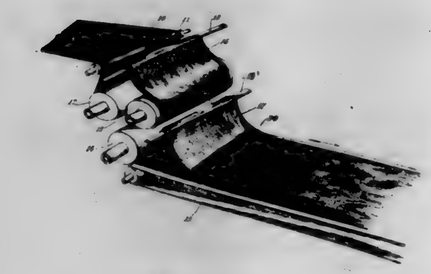
1. In the manufacture of lenses, dividing a beam of light into two parts, passing one part through a negative lens, the virtual focus of the negative lens being coincident with one of the conjugate foci of the lens under test through the lens under test, and then combining the two parts and causing the resulting beam to converge to a focus, thus producing interference rings arranged in the form of a contour map of the imperfections.

**1,565,534. RAIL ANCHOR.** DAVID F. VAUGHAN, Riverton, N. J. Filed July 10, 1924. Serial No. 725,098. 14 Claims. (Cl. 238—330.)



1. The combination with a railroad rail and a stationary element of a road bed supporting the same, of a rail anchor comprising a bar extending horizontally and diagonally beneath the rail base with one end portion of the bar nearer to said element than the other end portion thereof, a part projecting upwardly from the end portion of the bar farthest from said element and having a bearing rising from the longitudinal side of the bar nearest to said element and adapted to engage one side of the rail base, a part projecting upwardly from the end portion of the bar nearest to said element and having a bearing rising from the longitudinal side of the bar farthest from said element and adapted to engage the opposite side of the rail base, and means to hold the anchor in engagement with the rail, the parts being so relatively arranged that when the rail creeps it will engage the bar with said element and tend to move it from its diagonal position toward a position normal to the length of the rail and thereby cause said bearings to bind against and grip the respective sides of the rail.

1,565,535. METHOD AND APPARATUS FOR REDUCING ADHESIVENESS OF PLASTIC MATERIAL. ANTONI WALEZAK, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Jan. 26, 1924. Serial No. 688,888. 5 Claims. (Cl. 18—50.)

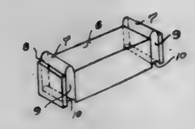


1. The method of reducing the adhesiveness of an unvulcanized, compounded rubber which comprises brushing the surface thereof with a non-adhesive brushing element, independently of any application of a coating material to said rubber.

1,565,536. PROCESS OF REMOVING RUST. WALTER EMIL WANDEL, New Orleans, La. Filed Dec. 11, 1922. Serial No. 606,289. 4 Claims. (Cl. 87—5.)

1. The process of cleaning rusty or corroded iron preparatory to painting which comprises covering the metal with a layer comprising a drying oil and a chemically basic body, allowing the layer to harden sufficiently to form a coherent mass by the drying of such oil and then stripping off the mass together with the included rust, etc.

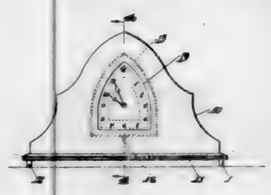
1,565,537. WALL STRUCTURE. WILLIAM A. WELLS, Spokane, Wash. Filed July 17, 1923. Serial No. 652,025. 2 Claims. (Cl. 72—102.)



1. In a wall structure a pair of parallel courses laid in courses and comprising superposed blocks having complementary grooves and ribs on opposite horizontal faces and complementary ribs and grooves on opposite ends, and rectangular tie blocks connecting said sections, each said tie block having near its ends a pair of lateral ribs on two adjoining faces and a pair of lateral grooves on the other two adjoining faces, said ribs and grooves at the respective ends of the tie blocks being in the same transverse plane of the tie blocks.

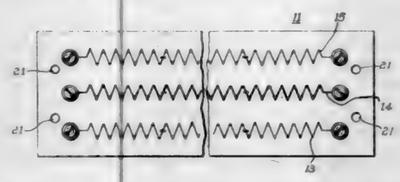
1,565,538. CLOCK CASING. JOSEPH WILCOX, Jr., Athol, Mass., assignor to Wilcox Novelty Company, Athol, Mass., a Corporation of Massachusetts. Filed June 13, 1925. Serial No. 36,984. 5 Claims. (Cl. 58—53.)

1. A clock casing forming a permanent enclosure for a clock movement and comprising a front member, a base member fixed thereto, and a movement support firmly secured to said front member and also to the



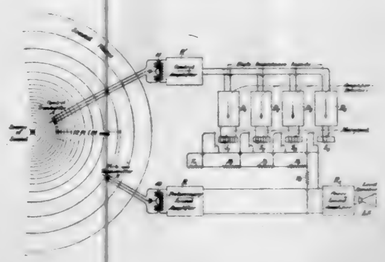
base member and forming a brace between said parts, said support being effective to frictionally retain a movement therein.

1,565,539. ELECTRIC SPACE HEATER. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 27, 1923. Serial No. 671,173. 3 Claims. (Cl. 201—63.)



1. A heating unit comprising an elongated, relatively narrow, plane supporting member, and a plurality of spaced and parallel-extending resistor members mounted on one surface of said supporting member, one of said resistor members having a heat capacity equal to that of the other resistors combined.

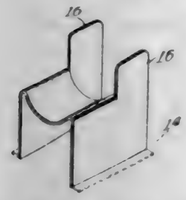
1,565,540. AUTOMATIC VOLUME REGULATION OF TRANSMISSION SYSTEMS. SUMNER B. WRIGHT, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 3, 1924. Serial No. 735,661. 9 Claims. (Cl. 178—44.)



1. In a signaling system, means to translate signaling energy into electrical energy having variations of volume, a transmission circuit upon which said electrical energy may be impressed, and means automatically responsive to a change in the volume of said electrical energy to so change the volume of the energy transmitted that it will vary through a range different from that of the impressed energy, the variations in volume of the transmitted energy remaining proportional to the variations in volume of the impressed electrical energy.

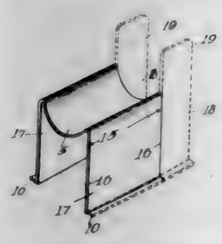


1,565,541. METHOD OF MAKING BOILERS. ROBERT W. BIRCHFIELD, Joliet, Ill., Filed Aug. 4, 1923. Serial No. 655,637. 11 Claims. (Cl. 29—157.4.)



1. The herein described method of forming inside wrapper sheets of the kind described, which consists in providing a flat sheet of the required dimensions, subjecting the sheet to pressure and thereby distorting the sheet out of its flat condition and simultaneously forming a concave crown sheet and depending side sheets.

1,565,542. METHOD OF MAKING BOILERS. ROBERT W. BIRCHFIELD, Joliet, Ill. Filed Aug. 4, 1923. Serial No. 655,638. 4 Claims. (Cl. 29—157.4.)



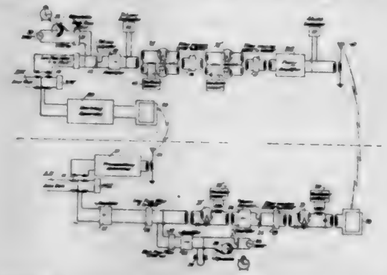
1. The herein described method of forming the inner shell of a boiler which shell includes a main crown sheet, depending side sheets and side sheets for an auxiliary combustion space rising above the main crown sheet, which method comprises forming a main section of the shell with a suitable crown sheet and depending side sheets and attaching extensions to the rear ends of the side sheet portions having portions which extend above the main crown sheet to form the side sheets of the auxiliary combustion chamber.

1,565,543. MANUFACTURE OF NORMAL BUTYL ALCOHOL. FIRMIN BOINOT, Melle, France, assignor to Commercial Solvents Corporation, Baltimore, Md. Filed Apr. 14, 1924. Serial No. 706,310. 5 Claims. (Cl. 260—135.)

3. A process for producing butyl alcohol which comprising adding a lactate to a carbohydrate mash undergoing butyl-acetone fermentation whereby the ratio of butyl alcohol to acetone in the resulting mash is increased.

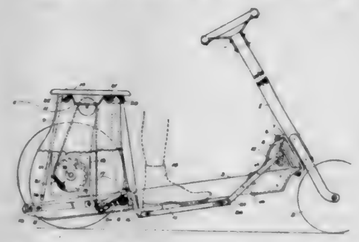
1,565,544. RADIO TRANSMISSION SYSTEM. RALPH BOWN, Wyoming, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 18, 1924. Serial No. 738,511. 5 Claims. (Cl. 250—2.)

1. In a signaling system, a transmission medium, an adjustable transmission element at the transmitting end of said medium, means to apply signaling current to said transmission element, means to adjust said transmission element in accordance with the variations in volume of the signaling current, means to apply a control frequency to said medium, means to vary the volume of said control frequency in accordance with the adjustment of said transmission element, a compensating transmission element at the receiving station, means at said receiving station to receive said controlling frequency



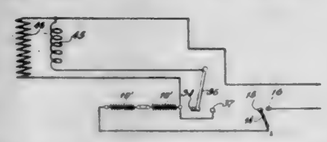
and indicate changes in the volume thereof, and means to adjust said compensating transmission element to compensate for the adjustment of the transmission element at the sending station in accordance with the indications produced by said control frequency.

1,565,545. VELOCIPEDE. JULIEN A. BEIRD, Oakland, Calif., assignor to H. C. White Company, North Bennington, Vt., a Corporation of Vermont. Filed June 8, 1922. Serial No. 565,595. 22 Claims. (Cl. 208—38.)



1. In a vehicle of the character described, a steering post carrying a front wheel, a body carrying an axle and two rear wheels, a centrally disposed reach member connecting the steering post and body, said reach member being of oblong cross section with its longer cross dimension disposed in a vertical plane and passing rearwardly under the axle, lateral framing secured to the rearward portion of the reach member and to the sides of the body, a pair of operating treadles pivotally supported at their forward ends by the reach member and extending rearwardly along the sides of said member with their rearward ends projecting over said framing into said body and adapted to oscillate therein.

1,565,546. MOTOR STARTER AND CIRCUIT CONTROLLER. ALFRED W. BURKE, Pelham Manor, N. Y. Filed Aug. 13, 1921. Serial No. 491,906. 1 Claim. (Cl. 172—279.)



A split phase motor comprising in combination a starting winding, a running winding, means for closing a circuit to said windings comprising a starting switch and a running switch, means for closing said starting

switch and said running switch, means for opening the starting switch while the running switch remains closed, means for preventing a second closing of the starting switch until the running switch has been opened and an electromagnet in circuit with the running winding and operative to automatically open said running switch.

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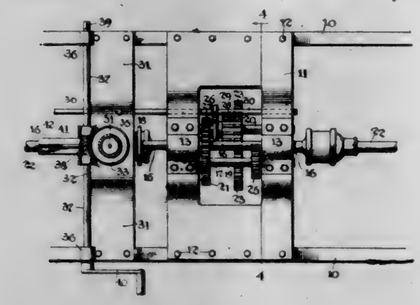
1,565,547. DERRICK ATTACHMENT TO MOTOR-DRIVEN VEHICLES. HARRY H. BUSH, Miami, Fla. Filed May 7, 1924. Serial No. 711,731. 1 Claim. (Cl. 74—7.)



A device of the class described comprising a main drive shaft, a driven shaft adapted to support a winding drum, a gear rotative with said driven shaft, coacting counter shafts in spaced relation, a master gear rotative with said drive shaft, spaced gears rotative with one of said counter shafts, one of which is in constant engagement with the gear of said driven shaft, a shipper sleeve rotative with the other counter shaft and slidable thereon, a gear rotative with said sleeve and adapted to be alternately engaged with and disengaged from the gear of said driven shaft, a gear having elongated teeth and in constant engagement with the master gear and adapted to be engaged with the other gear of the other counter shaft when the sleeve and its attached gears are adjusted longitudinally of the counter shaft with which they are rotative, and means for adjusting said sleeve.

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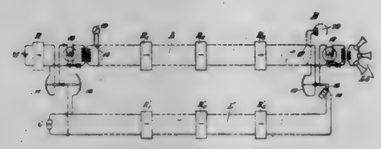
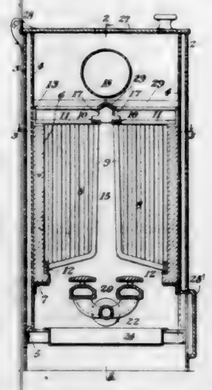
1,565,548. ARRANGEMENT FOR CONTROLLING VOLUME RANGE. ALVA B. CLARK, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 19, 1924. Serial No. 721,135. 24 Claims. (Cl. 179—171.)



1. The method of transmitting a wide range of energy volume over a transmitting medium capable of transmitting only a narrow range of energy volume, which consists in generating energy varying in volume over a range wider than the volume range of a transmitting medium, producing a change in the volume of the energy to be applied to the medium when the energy volume exceeds the limits of the transmitting medium, transmitting the energy over the medium with variations in volume extending over a narrower range than that of the energy originally generated, receiving the energy thus transmitted over the medium, and producing a compensating change in the volume of the received energy.

1,565,549. MEANS FOR INCINERATING REFUSE. HARRY L. COWLES, New York, N. Y. Filed Mar. 28, 1923. Serial No. 628,195. 8 Claims. (Cl. 110—18.)



1. The combination of a rectangular casing, two refuse compartments supported on opposite inside wall faces of said casing, rectangular in plan, having a common flue between them, and flues at each end connected to the first-mentioned one, the side and end walls of each of said compartments being composed of a multiplicity of substantially vertical bars joined at their upper ends to a horizontal U-shaped bar, and the bars forming the sides next to the common flue being L-shaped at the lower part and joined at the bottom to a horizontal bar resting on the casing wall, the lower portions of the bars of the two end walls in each compartment joined to the two end L-shaped bars respectively, heating means under said refuse compartments, and a roof over the tops of the flues inclined towards said compartments.

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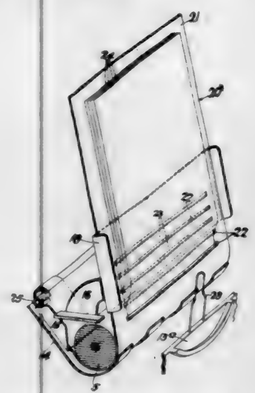
1,565,550. TYPEWRITING MACHINE. CLARENCE M. CREWS, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 10, 1923. Serial No. 650,601. 8 Claims. (Cl. 197—126.)



1. The combination with a typewriting machine having a rear paper-table, and a revoluble platen, of a flexible carbon-carrier having a plurality of transverse openings, and a plurality of carbon-sheets mounted upon transverse members adjacent thereto, said carrier arranged to have the plies of a plurality of continuous work-sheets threaded through said openings and interleaved with said carbon-sheets, to form a work-pack to be fed underneath and around said platen, said carbon-carrier being provided with stops to co-operate with said rear paper-table to hold said carrier from movement while said work-sheets are being drawn through said openings and beyond said carbon-sheets.



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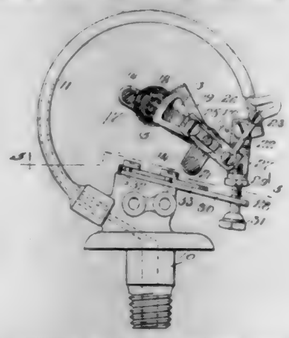
1,565,551. RETARD GAUGE. ERNEST B. CROCKER, Stratford, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Sept. 16, 1920. Serial No. 410,631. Renewed May 12, 1925. 15 Claims. (Cl. 73—109.)



3. In a pressure gauge, a graduated dial, a hand or pointer cooperating therewith, a pressure responsive element, connections intermediate said element and hand or pointer to actuate the latter, and adjustable means permitting said connections to be adjusted, in combination with an auxiliary retard spring member, independent connections intermediate said pressure responsive element and said retard spring member, and adjustable means for varying the flexibility of said spring member.

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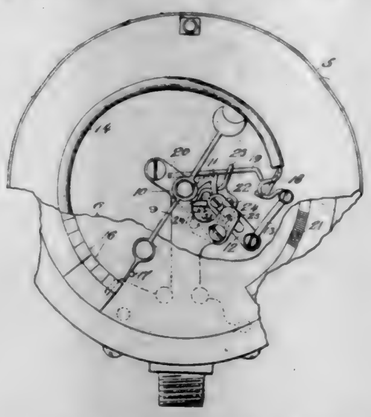
1,565,552. RETARD DEVICE FOR BOURDON GAUGES. ERNEST B. CROCKER, Stratford, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Apr. 12, 1920. Serial No. 373,142. 17 Claims. (Cl. 73—109.)



1. In a Bourdon tube gauge, a casing, a Bourdon tube, a dial hand or pointer, connections intermediate said dial hand or pointer and tube for actuating the former by the latter, and a frame arranged within the casing and upon which said connections are mounted, in combination with an auxiliary retarder mounted on said frame and arranged to engage an element moving with the tube only under conditions of excessive pressure whereby to impose a supplemental resistance thereon, and means by which the effective action of said retarder can be adjusted.

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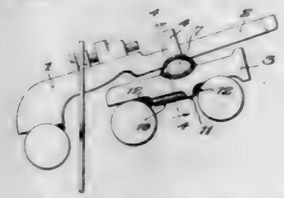
1,565,553. TOP-ROLL SADDLE. EZRA DIXON, Bristol, R. I. Filed Feb. 9, 1925. Serial No. 8,088. 2 Claims. (Cl. 19—138.)



2. In a top roll saddle, a back saddle having a pair of lubricant-receiving cavities, a wick carrier on the under side of the saddle, the saddle having openings establishing communication between the cavities and carrier, a wick in the carrier having its ends projecting beyond the carrier ends and a lubricant conveying lip extending outwardly from a side of the saddle and communicating with each of the cavities.

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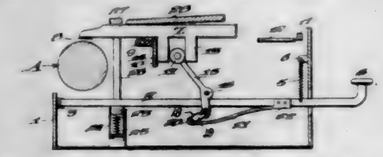
1,565,554. TYPEWRITING MACHINE. EINAR B. ERIKSEN, Brooklyn, N. Y., assignor, by mesne assignments, to Bates-Roebling Patents Co. Inc., New York. Filed April 18, 1922, Serial No. 555,496. Renewed Mar. 12, 1925. 7 Claims. (Cl. 197—25.)



1. In a typewriting machine, a type action comprising a type bar, a key lever, a bell crank lever, one arm of the bell crank lever engaging the type bar, a link pivoted at the other end of the bell crank lever, and a flat spring pivoted to said link at one end and rigidly fastened to the key lever at the other end.

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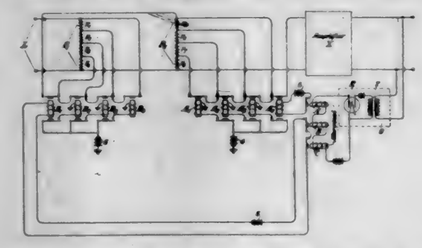
1,565,555. ARRANGEMENT FOR AUTOMATICALLY CONTROLLING VOLUME OUTPUT. CHARLES H. FEITER, Millburn, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 11, 1924. Serial No. 725,487. 14 Claims. (Cl. 178—44.)



1. A transmission line including an amplifier, a plurality of potentiometers associated with the input of said amplifier, a volt-meter rectifier device bridged across the output of said amplifier, a plurality of relays con-

nected in series with the output of said rectifier device, one of said relays being adjusted to operate on current of a predetermined voltage, another of said relays being adjusted to operate on current of a lesser voltage, and means controlled by said relays for controlling said potentiometers.

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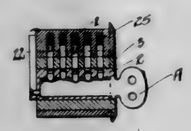
1,565,556. PIN-TUMBLER LOCK. JULES A. FREMON, Leeper, Mo. Filed Oct. 27, 1921. Serial No. 510,830. 20 Claims. (Cl. 70—93.)



1. In a changeable-key pin-tumbler lock, a sectional rotatable cylinder, all the sections of which must be united to operate the lock and which must be moved relative to each other to change the lock key, and means for uniting the cylinder sections.

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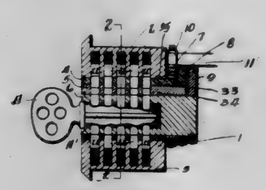
1,565,557. PIN-TUMBLER LOCK. JULES A. FREMON, Leeper, Mo. Filed Dec. 8, 1921. Serial No. 520,949. 22 Claims. (Cl. 70—93.)



3. In a multiple key lock, a rotatable plug, a rotatable member surrounding the same and limiting its rotation, a second member surrounding said first-mentioned member and limiting its rotation, means for uniting said members and adapted to disunite the same when said plug is rotated to the limit provided by said rotatable member.

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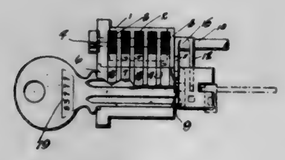
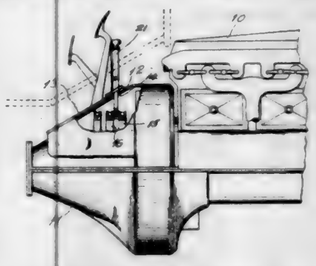
1,565,558. PIN-TUMBLER LOCK. JULES A. FREMON, Leeper, Mo. Filed Jan. 23, 1922. Serial No. 531,215. 19 Claims. (Cl. 70—47.)



1. In a pin tumbler lock, a rotatable plug, and a longitudinally removable lock in said plug provided with pin tumbler recesses.

1,565,559. TRANSMISSION LOCK. GEORGE A. GILLEN, Jersey City, N. J., assignor to Gillen Laboratories Corporation. Filed Jan. 25, 1922, Serial No. 531,628. Renewed Apr. 25, 1925. 10 Claims. (Cl. 188—81.)



1. The combination with a planetary transmission having forward and reverse bands, of a locking means associated with said transmission for tightening both the forward and reverse bands simultaneously.

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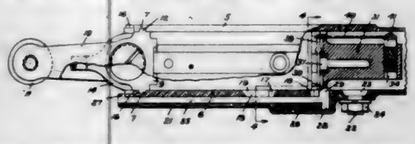
1,565,560. HAND-TRIGGER MECHANISM. WALTER T. GORTON, U. S. Army. Filed July 11, 1924. Serial No. 725,438. 18 Claims. (Cl. 89—27.) (Granted under the act of Mar. 3, 1883; 22 Stat. L. 625.)



18. A machine gun, embodying a firing mechanism, reversible means for actuating the firing mechanism, and means for operating the aforesaid means either right handed or left handed.

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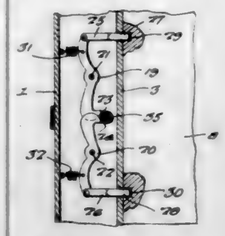
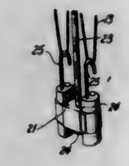
1,565,561. RURAL-MAIL-BOX LATCH. ANDREW J. GREEN, Jamestown, N. Dak. Filed Mar. 24, 1924. Serial No. 701,553. Renewed Oct. 29, 1925. 3 Claims. (Cl. 292—33.)



1. A device of the class described comprising a receptacle, a door hingedly supported thereon and adapted to co-operate with a door opening provided therefor in the receptacle, locking means for said door comprising a pair of levers pivotally supported intermediate their ends in said receptacle, the inner opposed ends of said levers being arranged in overlapping relation and being curved in opposite directions, the outer ends of said levers having bolts extending outwardly therefrom for engagement with recesses provided in the door, resilient means associated with the outer portions of said levers for normally holding the bolts out of engagement with the recesses in the door, and means for moving said bolt into locked engagement with the recesses in the door.



1,565,562. ELECTRON-DISCHARGE DEVICE. THOMAS R. GRIFFITH, Dover, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Feb. 21, 1925. Serial No. 10,761. 12 Claims. (Cl. 250—27.)



1. A filament support comprising a flattened metal cylinder, an insulating member within said cylinder, means surrounding said cylinder and retaining said member therein, and a filament carried by said member.

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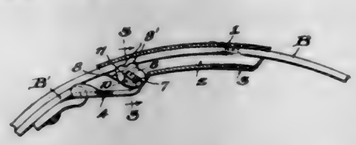
1,565,563. BUCKLE. GASTON A. GUYOT, Attleboro, Mass. Filed Dec. 24, 1924. Serial No. 757,911. 3 Claims. (Cl. 24—191.)



2. In a belt buckle, a front, a lever pivoted to the front and having an angular lip, and a swinging jaw pivoted on the lip ends in axial alinement with the pivot of the lever and having movement independent of the lever and being engagable with the lip ends to have the extent of its swinging movement restricted thereby.

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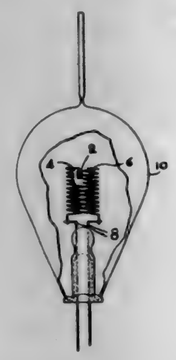
1,565,564. METHOD OF AND MEANS FOR INTRODUCING POTASSIUM OR OTHER VAPORS IN LAMPS. AARON MARTIN HAGEMAN, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed July 23, 1923. Serial No. 653,116. 13 Claims. (Cl. 176—7.)



1. The method of introducing a free alkali metal into an electrical discharge device which comprises preparing a relatively high melting point amalgam of said metal and introducing the amalgam in the said device in contact with a metal part of the device.

1,565,565. ELECTRIC GAS LAMP. ERTLE LESLIE HARRINGTON, Saskatoon, Saskatchewan, Canada, assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Feb. 2, 1922. Serial No. 533,709. 4 Claims. (Cl. 176—122.)

1. In an electric gas lamp, a plurality of electrodes each consisting of a film of conducting metal adherent to a non-conducting surface in intertwined spiral relation.

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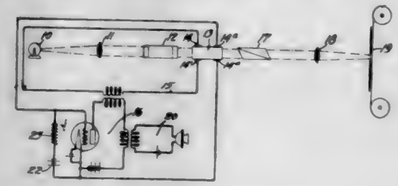
1,565,566. TRANSLATING DEVICE. RALPH V. L. HARTLEY, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 25, 1923. Serial No. 647,482. 7 Claims. (Cl. 179—171.)



2. In combination, a light source, a pair of crossed light polarizing devices, a piezo-electric crystal interposed between said devices, and means for supplying electrical oscillations thereto.

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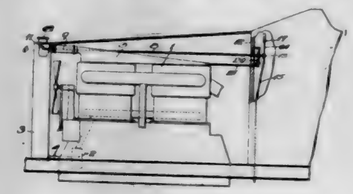
1,565,567. RADIATOR VENT AND ALARM DEVICE. HERMAN C. HEATON, Berwyn, Ill. Filed Dec. 5, 1919. Serial No. 342,784. 8 Claims. (Cl. 116—109.)



6. In an automobile, the combination of an internal combustion engine, a circulatory water cooling system for cooling said engine, said circulatory system comprising a radiator, a vent pipe extending back from said radiator to a point adjacent the dash of said automobile, an alarm whistle, a discharge connection, and valve means for controlling the communication of said vent pipe with either said alarm whistle or said discharge connection.

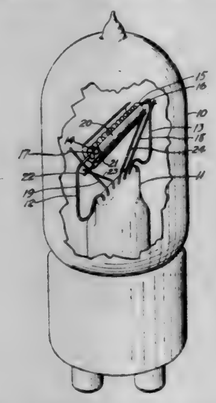
1,565,568. DROP WEIGHT FOR PATTERN MECHANISM. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Looms Works, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 22, 1925. Serial No. 57,905. 6 Claims. (Cl. 139—77.)

1. In a loom pattern mechanism having a harness lever and an operating connector removably attached thereto, a drop weight operating normally to hold the connector and lever in operative relation, yielding means to hold the weight against the connector, and a support to hold said yielding means temporarily in position to relieve the pressure between said drop weight and the connector.

1,565,569. ELECTRON-DISCHARGE DEVICE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 21, 1922. Serial No. 576,462. 5 Claims. (Cl. 250—27.)

1. An electron discharge device comprising an enclosing vessel having a stem, an electrode assembly supported from said stem, said assembly comprising apertured discs, a plurality of electrodes supported by the said discs and a socket in the wall of said enclosing vessel, whereby a rod may be passed through the apertures and seated in said socket during the assembly of the device properly to position the electrode assembly within the vessel.

1,565,570. ELECTRON-DISCHARGE DEVICE. WILLIAM G. HOUSKEEPER, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 20, 1923. Serial No. 671,353. 3 Claims. (Cl. 250—27.)

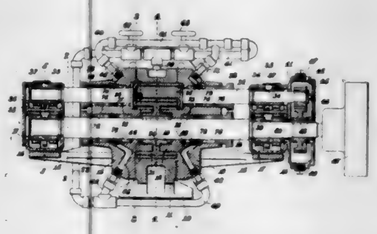


1. An electron discharge device comprising a filament, a helical wire grid surrounding said filament, said grid having its ends extending tangentially in opposite directions, supporting members attached to the ends of said grid, an anode surrounding said other electrodes, said anode comprising a substantially cylindrical metal sheet having a longitudinally extending rib, a rod extending through said rib, and supporting members attached to the ends of said rod.

1,565,571. LIFT BRIDGE. ERNEST E. HOWARD and HENRY C. TAMMEN, Kansas City, Mo., assignors to Harrington, Howard & Ash, a Copartnership consisting of John Lyle Harrington, Ernest E. Howard, and Louis R. Ash. Filed Feb. 2, 1925. Serial No. 6,159. 6 Claims. (Cl. 14—42.)

1. A lift bridge comprising towers, a movable lift span between the towers, tackles carried by the towers for supporting the movable span, the tackles including pulleys attached to the movable span, counterbalance weights, and cables supporting the weights, said cables passing over the towers and around the pulleys, the combined weight of the counter-balance weights being not in excess of one-half the weight of the span and operating mechanism on the span for rotating the pulleys carried thereby.

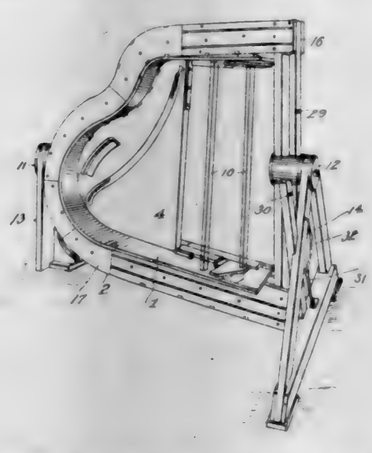
1,565,572. ROTARY PUMP. JUSTUS R. KINNEY, Boston, Mass. Filed July 23, 1923. Serial No. 653,095. 5 Claims. (Cl. 103—125.)



1. A rotary pump comprising a casing having therein a cylindrical chamber provided with an inlet and an outlet passage extending therefrom; a revoluble shaft; end plates on opposite sides of said casing having annular flanges extending toward each other with their end faces separated and provided with annular grooves surrounding said shaft; a member secured to said shaft and positioned between said annular flanges; blades positioned between said annular flanges and the cylindrical wall of said chamber and secured to said member; a revoluble gate between said inlet and outlet provided with a depression to receive said blades during the rotation of said shaft; and a valved pipe leading to said inlet and through which any portions of the material being pumped and leaking into said grooves may be withdrawn into said chamber.

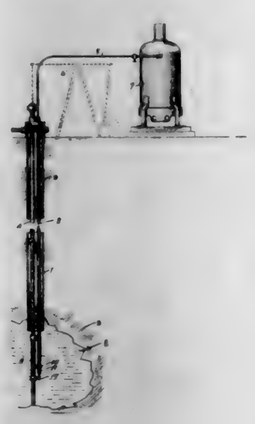


1,565,573. MACHINE FOR TRIMMING GRAND-PIANO CASES. JOSEPH KLEPAC, New York, N. Y., and LOUIS MATIRKO, Elizabeth, N. J., assignors to Brambach Piano Co., New York, N. Y., a Corporation of New York. Filed Feb. 21, 1923. Serial No. 620,376. 6 Claims. (Cl. 144—144.)



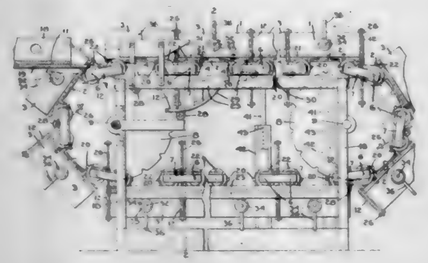
1. Means for receiving and fitting a grand piano case and holding the same, and means above and below said receiving means for guiding a cutting tool while trimming the edges of said case.

1,565,574. WELL-CLEANING PROCESS. CHARLES LARSEN, Denver, Colo. Filed June 27, 1924. Serial No. 722,818. 2 Claims. (Cl. 166—21.)



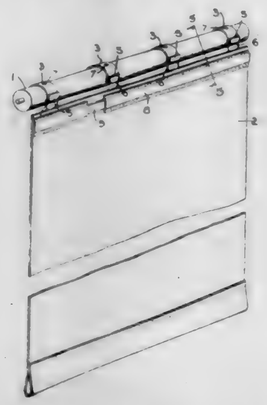
1. A method of cleaning oil wells, which consists in generating steam at a pressure of substantially one thousand pounds per square inch and conducting the same to the bottom of a well where it is permitted to expand and liberate its heat whereby the walls of the well become heated sufficiently to melt any solidified paraffine, and whereby the water of condensation will cause soluble matter to enter into solution, and simultaneously removing the liquids from the well.

1,565,575. MACHINE FOR MOLDING CONCRETE BLOCKS. SAMUEL S. LEVY, Boston, Mass. Filed Dec. 24, 1923. Serial No. 682,523. 10 Claims. (Cl. 25—99.)



1. In a machine for molding concrete blocks, the combination with a plurality of molds connected together to form an endless chain arrangement, each mold being open at one end and having at the other end a guide extending to the top of the mold, a partition movably carried by each guide, each partition when in operative position closing the end of the mold by which it is carried and also the open end of the adjacent mold, means for filling the molds, and means to move the partitions in their guides thereby to withdraw them from between the molds after the molded blocks are formed.

1,565,576. WINDOW SHADE. SAMUEL S. LEVY, Boston, Mass. Filed May 18, 1925. Serial No. 31,057. 1 Claim. (Cl. 156—25.)



The combination with a shade roller, of a plurality of shade-holding members applied thereto, each member having a semi-circular shape to partially embrace the shade roller and provided at one end with teeth that are embedded in the roller and at the other end with hook portions, and a shade having loops in its upper edge to hang on the hook portions.

1,565,577. TESTING DEVICE. JOHN MCDONOUGH, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 10, 1922. Serial No. 551,292. 12 Claims. (Cl. 73—51.)

1. In a device for determining the resilience between maximum and minimum limits of a spring, a casing serv-

ing as a hand grip, a member pivotally mounted within said casing and adapted to engage a spring to be tested, resilient means for actuating said member, and means

under the joint control of the member and the spring to be tested to indicate the strength or weakness of the spring.

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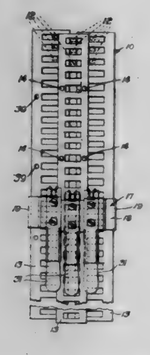
1,565,578. TESTING FIXTURE. JOHN MCDONOUGH, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 10, 1922. Serial No. 551,298. 8 Claims. (Cl. 179—175.)



2. A testing fixture for testing electrical connections between terminals, comprising a self contained device associable with, and removable from as a unit the terminals at one end of the connections, a member movable thereon to successively engage the terminals, and signalling means, said signalling means associated with said last mentioned member and the opposite terminals and adapted to indicate when the connections between the terminals are correct.

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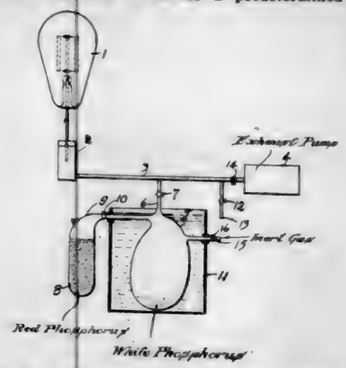
1,565,579. METHOD OF INTRODUCING GETTER MATERIALS INTO INCANDESCENT LAMPS. DUNCAN MACRAE, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed July 28, 1921. Serial No. 488,098. 8 Claims. (Cl. 176—7.)

1. The method of introducing a predetermined quantity of a vaporizable material into an envelope which consists in accurately regulating the temperature of said vaporizable material to create a predetermined vapor




pressure thereof in an enclosed container, exhausting said envelope and conducting said vapor from said container into said envelope.

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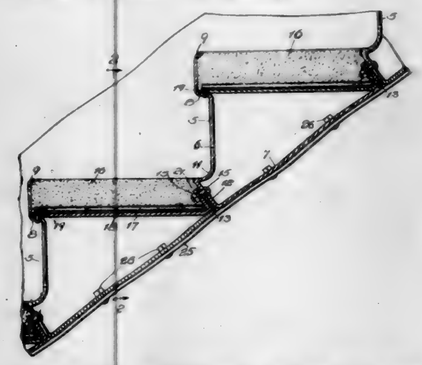
1,565,580. STAIR CONSTRUCTION. JAMES S. MANTON, Chicago, Ill. Filed Apr. 16, 1923. Serial No. 632,276. 17 Claims. (Cl. 72—96.)



16. In a stair construction, a riser, a soffit, and a removable pan disposed between the said soffit and riser.

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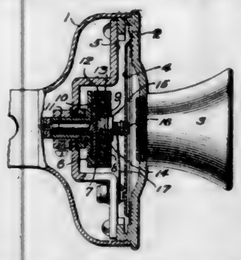
1,565,581. TELEPHONE TRANSMITTER. CHARLES RUBY MOORE, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 3, 1921. Serial No. 505,060. 12 Claims. (Cl. 179—122.)



1. A transmitter comprising an electrode chamber, a pair of annular electrodes disposed in the marginal wall of said chamber, and an annular insulating barrier between said electrodes projecting into the interior of said chamber.



1,565,582. CRUTCH PAD. CHRISTIAN MOORE, Akron, Ohio. Filed Jan. 26, 1925. Serial No. 4,668. 8 Claims. (Cl. 135—52.)

1. In a pad of the class described, an elastic sheath adapted to fit over the arm piece of a crutch and a sponge rubber cushion in said sheath.

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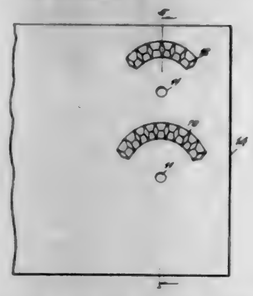
1,565,583. ETCHED LITHOGRAPHED PLATE AND METHOD OF MAKING SAME. FREDERICK H. MOORE, Chicago, Ill. Filed Sept. 6, 1924. Serial No. 736,283. 11 Claims. (Cl. 41—42.)



1. The method of making an etched, coated plate comprising etching a smooth plate to provide relatively deep and narrow outlines thereon offset from the surface of said plate and lithographing the surface of said plate after said plate has been etched.

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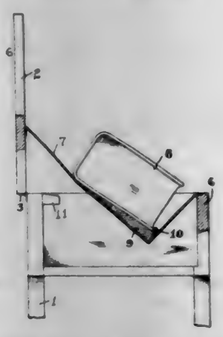
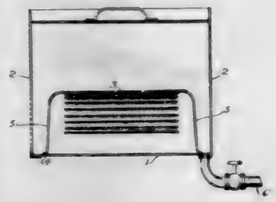
1,565,584. ARTICLE-TRANSFER MEANS. WILLIAM N. NEIDIG, Toledo, Ohio. Filed Feb. 21, 1925. Serial No. 10,802. 4 Claims. (Cl. 45—85.)



2. In an article transfer device, a container, a movable closure for said container, flexible transfer means connected to a fixed part of said container and also to said movable closure, means for pivoting said movable closure to said container to permit the opening of said closure to a horizontal position where the opening movement is arrested, the flexible part of said transfer means spanning across the top of the open container when said movable closure is opened, and means for compensating for the sag of said flexible transfer means when the device is open.

1,565,585. OSCILLATING WASHING MACHINE. JOHN NELSON, Newton, Iowa, assignor to Automatic Electric Washer Co., a Corporation of Iowa. Filed Feb. 20, 1924. Serial No. 693,978. 1 Claim. (Cl. 68—21.)



An oscillatable wash tub, a closed V-shaped hump attached to the bottom of the tub with its ends spaced from the end walls of said tub to provide drain passages, and a drain pipe extending through the bottom of one of said passages.

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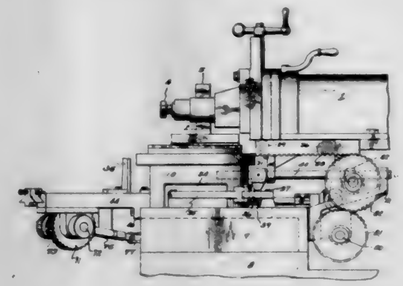
1,565,586. NUT-CASTELLATING MACHINE. MAYHEW E. NOYES, Marion, Ohio. Filed Aug. 13, 1923. Serial No. 657,160. 9 Claims. (Cl. 10—72.)



1. In a machine for castellating nuts, the combination with a reciprocable head, of a cutter carried by the head having a blade of a character to cut a slot in the end of a nut, a holder having a series of recesses arranged in a circle each adapted to receive a nut, and means for indexing the holder to bring successive nuts to position for the cutting operation.

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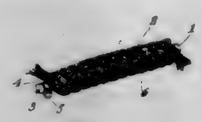
1,565,587. BUMPER. CARL B. PARSONS, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a Corporation of New York. Filed Apr. 28, 1924. Serial No. 709,374. 2 Claims. (Cl. 293—55.)

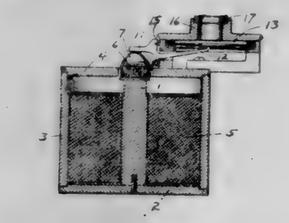
1. In a bumper, spaced-apart impact members having rearwardly bent end portions turned toward each other into abutting relationship and fastened together, and an elliptic spring support for each end of said impact members extending lengthwise thereof and secured thereto over the gap therebetween.

1,565,588. HAIRDRESSING DEVICE. CHARLES F. PORTER, New York, N. Y.; Sarah Harriett Porter, executrix of said Charles F. Porter, deceased, assignor to Sarah H. Crawford, Chicago, Ill. Filed Mar. 22, 1921. Serial No. 454,362. 6 Claims. (Cl. 132—41.)



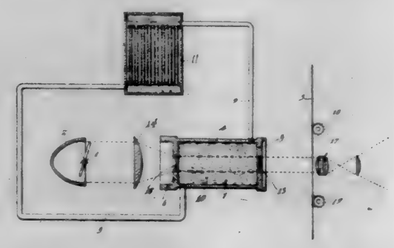
1. In a device of the class described, a member adapted to have a strand of hair wrapped upon it and having notches in its end and normally curved, a resilient hair embracing member extending through a notch in each end of said first named member and having retaining parts at its ends, said embracing member being held in said notches by its resilience.

1,565,589. TELEPHONE RECEIVER OR TRANSMITTER. FRANK J. REICHMANN, Chicago, Ill. Filed June 25, 1923. Serial No. 647,615. 8 Claims. (Cl. 179—108.)



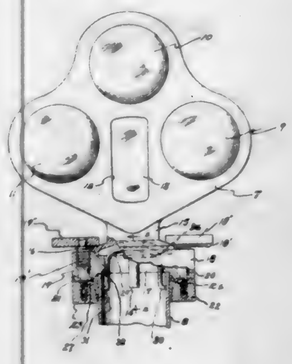
1. Means for connecting a solenoid-carrying spool to a rocking lever, comprising a cap having a hollow frusto conical side portion secured at its larger end to the spool and having a flat end connected to the smaller end of the said side portion, the entire cap being formed of resilient material, and means fastening the radially inner portion of the said tip to the lever while leaving the radially outer portion of the tip free to be flexed.

1,565,590. METHOD OF AND APPARATUS FOR PROJECTING COOL LIGHT. MAX J. RITTERRATH, Hollywood, Calif. Filed Oct. 11, 1920. Serial No. 416,026. Renewed Nov. 15, 1923. 2 Claims. (Cl. 88—24.)



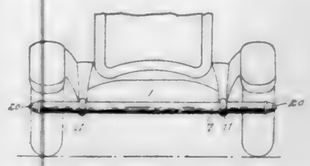
1. The method of projection consisting in converging the radiations from a source thereof, then diverging said radiations before they come to a focus, passing the radiations thus projected through a constantly changed cooling liquid to abstract heat produced by the intra-red radiations, and then passing the radiations without convergence through the object to be projected.

1,565,591. VEHICLE SIGNAL. FRANK ROMANOWSKI, Detroit, Mich. Filed Apr. 15, 1925. Serial No. 23,228. 4 Claims. (Cl. 220—61.)



1. A securing means of the class described, comprising a split ring, adapted for mounting on a tubular supporting member in embracing relation, the peripheral surface of said ring being beveled toward one edge throughout a major portion of its surface and being oppositely beveled toward the opposite edge throughout the remainder of its surface; a locking ring adapted for mounting on said split ring having its inner surface beveled to engage the larger beveled peripheral surface of said split ring; bosses projecting outwardly at diametrically opposite points on said locking ring; a co-operating ring adapted for resting upon the upper edge of said tubular member; and means for moving said locking ring into close relation to said co-operating ring for clamping said split ring in clamping relation on said tubular member.

1,565,592. AUTOMOBILE BUMPER. GEORGE SAUER, Chicago, Ill., assignor, by mesne assignments, to Automobile Equipment Manufacturing Corporation, of Chicago, Ill., a Corporation of Illinois. Filed Aug. 16, 1924. Serial No. 732,373. 6 Claims. (Cl. 293—55.)

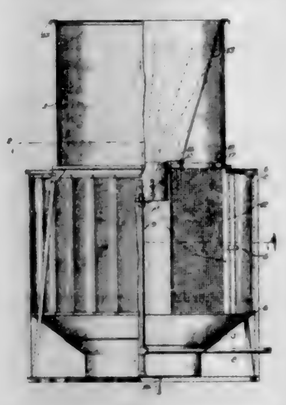


1. In combination, a vehicle frame, an automobile bumper comprising a rigid elongated member of uniform cross section, a rigid clamping member surrounding said elongated bumper member and clamped thereto, a rigid arm rigidly attached to the vehicle frame and held against movement relative thereto, bolt means attaching said clamping member to said arm, and means for holding said clamping member and arm rigidly together and against relative movement in a vertical plane upon loosening of said bolt means.

1,565,593. SPRAY TOWER. BERT R. SAUSEN, Oak Park, Ill., assignor to Binks Spray Equipment Co., a Corporation of Illinois. Filed Feb. 15, 1923. Serial No. 619,177. 9 Claims. (Cl. 261—116.)

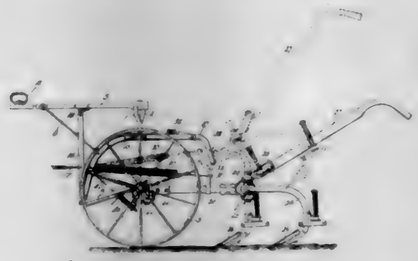
1. A cooling tower comprising an upper spray chamber surmounting a drip chamber, means for spraying liquid into the spray chamber, and upright screens disposed below the spraying means and along which the drip of the spray descends, the drip chamber having its sides formed of louvres for admitting air and the screens being





disposed in the path of the air admitted between the louvres, the louvres extending vertically and having their faces disposed for imparting rotary movement to the air admitted between them.

1,565,594. CULTIVATOR. JOHN P. SEAHOLM, Moline, Ill., assignor, by mesne assignments, to Moline Implement Company, a Corporation of Illinois. Filed Sept. 22, 1922. Serial No. 589,778. 4 Claims. (Cl. 97—200.)

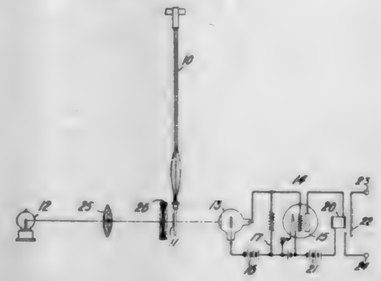


1. In a cultivator having a framework and an axle, a drag bar support pivoted to the axle, a drag bar connected to said support on one side of the axle, and a resilient stop connected to the support on the other side of the axle, said stop including a link pivoted to the drag bar and extending downwardly so that, in one position of the drag bar support, the latter contacts the link to move it bodily with the support, and resilient means interposed between the link and a portion of the cultivator framework to oppose motion of the link when it is contacted by the drag bar support to fix the normal position of the support but serving to permit it to be moved beyond its normal position when it is desired to temporarily cultivate deeper.

1,565,595. CURRENT-RECTIFYING DEVICE. WALTER O. SNELLING, Allentown, Pa. Filed Feb. 28, 1923. Serial No. 621,945. 1 Claim. (Cl. 250—31.)

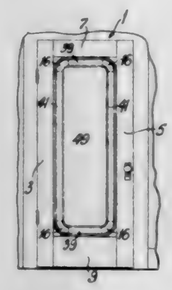
In the preparation of contact rectifying products the process which comprises contacting a metal with the vapor of an element of the sulfur group at a temperature above the reaction temperature of the two materials, but below the temperature of fusion of the reaction product formed.

1,565,596. SIGNAL SYSTEM. HOMER C. SNOOK, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 15, 1923. Serial No. 674,901. 7 Claims. (Cl. 250—1.)



1. A time signal system which comprises a pendulum for intercepting a beam of light at equal time intervals, said pendulum having means for varying the ratio of the time of interception of said beam to the period of oscillation of the pendulum, means sensitive to said light beam comprising a photoelectric cell, and a thermionic amplifier for producing electrical pulses in accordance with the interception of said light beam.

1,565,597. DOOR. EDWARD J. SPIESBACH, East St. Louis, Ill. Filed Apr. 9, 1925. Serial No. 21,815. 7 Claims. (Cl. 20—35.)

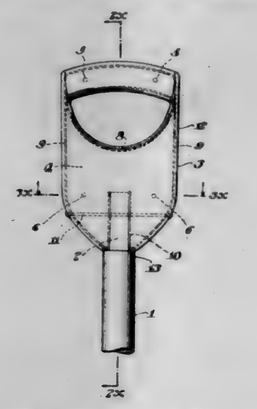


1. A door comprising a frame, corner blocks set into four corners of said frame, molding pieces set along the edges of said frame and between said corner blocks, and a panel adapted to fit within the confines of said molding pieces and said corner blocks.

1,565,598. CONTROL OF THE SOFTENING TEMPERATURE OF VITREOUS MATERIAL. WILLIAM CHARLES SPROESSER, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Oct. 17, 1922. Serial No. 595,214. 16 Claims. (Cl. 49—82.)

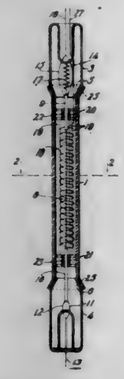
1. The method of potentially increasing the softening temperature of vitreous material a desired amount comprising applying a material to the surface thereof to react chemically therewith.

1,565,599. HANDLE FOR TOOLS. WILLIAM HATTON STEVENS, Hollidaysburg, Pa. Filed Oct. 18, 1922. Serial No. 595,443. 4 Claims. (Cl. 294—57.)



4. A tool handle having a D-hand piece comprising a metal core and a body of baked composition composed of a fibrous material mixed with a binder and completely encasing said core.

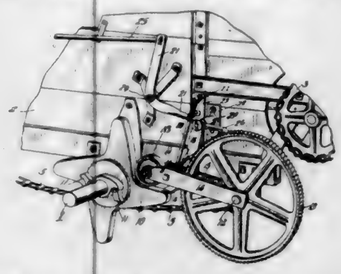
1,565,600. ELECTRON-DISCHARGE DEVICE. ERWIN R. STOEKLE, Milwaukee, Wis., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Mar. 20, 1916, Serial No. 85,457. Patent No. 1,353,976, dated Sept. 28, 1920. Divided and this application filed Aug. 30, 1920. Serial No. 406,858. 28 Claims. (Cl. 250—27.)



1. An electron discharge device comprising an evacuated vessel having an inwardly projecting neck, a block of insulating material adjacent said neck, an electrode unit supported from said block, and an element of insulating material connected to the end of said unit remote from said neck and slidably contacting with the walls of said evacuated vessel.

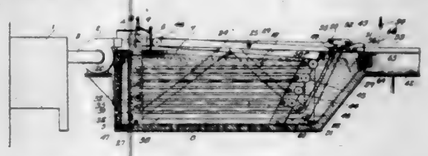
1,565,601. FEEDING MECHANISM FOR SPREADERS. STARLEY S. SWANSON, Stoughton, Wis., assignor, by mesne assignments, to Moline Implement Company, a Corporation of Illinois. Filed May 5, 1924. Serial No. 711,099. 4 Claims. (Cl. 74—54.)

1. In a spreader, a drive shaft, a cam carried thereby, a ratchet wheel for driving a feeding mechanism, an arm having a roller for engaging the cam, a pawl carried by the arm for engaging the ratchet wheel, a link connected to the arm for varying the amplitude of movement of the arm, a bell crank lever one arm of which is



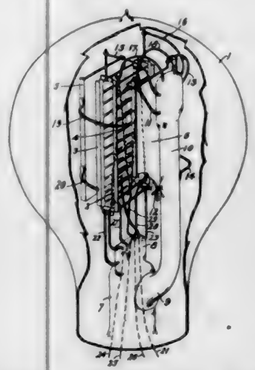
connected to a controlling means and the other arm of which is arranged to loosely receive the link, and a spring between the bell crank lever and the end of the link.

1,565,602. METHOD OF TREATING VEGETABLE FIBERS. PERCY THOMPSON, Kansas City, Mo., assignor of one-half to Seth H. Leach, Kansas City, Mo. Filed Mar. 10, 1924. Serial No. 698,180. 6 Claims. (Cl. 8—2.)



2. The herein described method of bleaching vegetable fiber, which consists in subjecting the fiber in a divided state to the action of a wet bleach and then drying the fiber by subjecting it to the action of a large volume of hot dry air at an appreciable velocity.

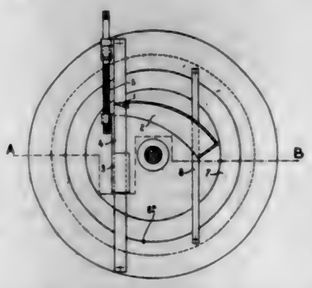
1,565,603. ELECTRON-DISCHARGE DEVICE. RUSSELL F. TRIMBLE, Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 4, 1918. Serial No. 256,825. 3 Claims. (Cl. 250—27.)



1. In an electron discharge device, a containing vessel comprising a stem terminating in a flat press, a plurality of leading-in wires sealed in said press and lying substantially in the same plane, an arbor anchored to said stem at a point removed from said press, and a plurality of electrodes supported by said arbor in planes substantially parallel to the plane of said leading-in wires.

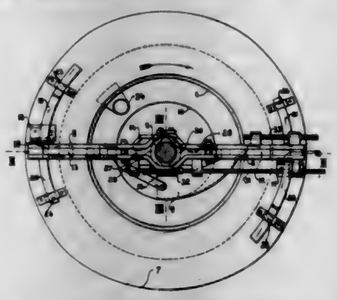


1,565,604. MEANS FOR EMPTYING A REVOLVING OPEN-TOP CENTRIFUGAL SEPARATOR. EVERT VAN DER MOLEN, Groningen, Netherlands. Filed Sept. 26, 1924. Serial No. 740,133. 2 Claims. (Cl. 233—22.)



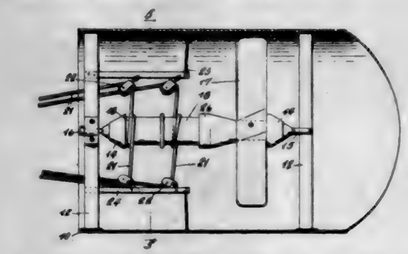
1. In an open top centrifugal separator including a drum, a blade within said drum for scraping accumulated material from the wall thereof, means for drawing said blade gradually into said accumulated material, and means associated with said blade for directing the material scraped by it gradually upwardly, across said drum and over the wall opposite said blade including an inclined runway and guide extending from a point within said drum adjacent said blade gradually upwardly, across said drum to a point above and outside of the wall opposite said blade.

1,565,605. APPARATUS FOR REMOVING MATERIAL FROM THE WALL OF A REVOLVING CENTRIFUGAL BASKET SUSPENDED FROM A VERTICAL SPINDLE. EVERT VAN DER MOLEN, Groningen, Netherlands. Filed Dec. 16, 1924. Serial No. 756,333. 5 Claims. (Cl. 210—70.)



1. In apparatus for removing accumulation of material from the wall of a centrifugal basket suspended from a vertical spindle, a scraper, a ploughlike member adapted for cooperation with said scraper to direct material loosened by said scraper to a bottom opening of the basket, a substantially radial guideway for said scraper, means for reciprocating said scraper along said guideway, means for supporting said guideway over the basket, means for preventing said guideway from rotating with the spindle, means allowing said guideway to move in a horizontal plane over said support but preventing it from vertical movement relative to said support, and a clutch device for coupling said guideway with the spindle in such a manner as to permit only of rotary motion of said spindle relative to said guideway.

1,565,606. SWIMMING APPARATUS. CHARLES VERBSKY, Cleveland, Ohio. Filed Nov. 28, 1924. Serial No. 752,707. 3 Claims. (Cl. 9—18.)

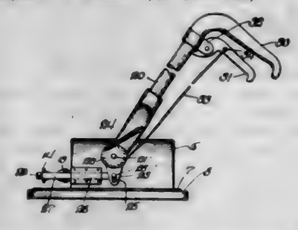


3. A swimming apparatus comprising, an open ended shell, rotatable shaft arranged centrally and longitudinally in the shell, a screw propeller fixed to the forward end of the shaft, a pair of spaced sheaves arranged upon the shaft, means interengaging the shaft and sheaves at times, pairs of pulleys arranged at opposite sides of the sheaves and in spaced relation thereto, and operating cords extending about the sheaves and through the pulleys and designed for attachment to the feet of a person using the apparatus.

1,565,607. GAME, CHARLES F. WAITE, Cambridge, Mass., assignor of one-half to David A. Barber, Cambridge, Mass. Filed Feb. 24, 1923. Serial No. 621,060. 4 Claims. (Cl. 273—38.)

1. A toy man having an arm movable in a substantially vertical plane and a stationary arm extended in a substantially horizontal plane toward the movable arm, said movable arm having a hand portion comprising two jaws for grasping a ball, one of said jaws being movable and co-operating with said stationary arm to strike the latter on the forward movement of the movable arm and release the ball.

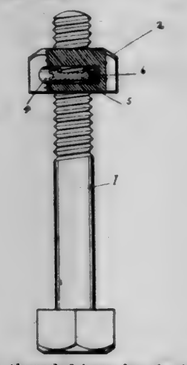
1,565,608. POLISHING DEVICE. HARRY C. H. WALSH, Jr., Chicago, Ill., assignor of one-fourth to Vandiver J. Van Horn, Chicago, Ill. Filed Feb. 19, 1923. Serial No. 620,002. 1 Claim. (Cl. 15—138.)



A polishing device, comprising a metal base plate, a relatively thick flat sheet of felt secured to the under side of said base plate, a liquid receptacle substantially U-shaped in cross section mounted on said base plate, the latter forming the bottom closure for said receptacle, valves pivoted on said base plate and controlling openings therein to permit liquid to be discharged from receptacle into said sheet of felt, a valve stem extending into said receptacle from one end thereof to control said valves, a spring in said receptacle to close said valve, a handle fixed to said receptacle, a spring retracted rotatable wheel on said receptacle, a lever on said handle, a cord connecting said lever with said wheel to rotate the

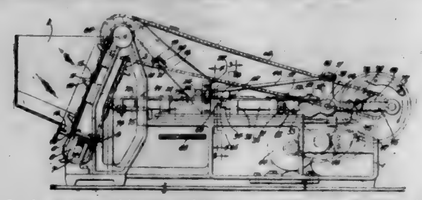
latter against its spring tension, a slotted arm fixed to said wheel, and a bent arm engaging the slot in said arm and said valve stem, whereby the valves in said receptacle may be controlled by said handle lever.

1,565,609. NUT LOCK. MILTON WARD WEBSTER, Toronto, Ontario, Canada, assignor to John A. Carter, Toronto, Canada. Filed May 22, 1924. Serial No. 715,174. 1 Claim. (Cl. 151—26.)



A nut having a threaded bore for the bolt, a recess arranged transversely of the bore and communicating therewith, in combination with a pin slidingly and rotatably fitted within the recess, said pin having at one end an inclined retention member for engaing the threads of the bolt when the pin is turned to the locking position, and at the other end a slot for the turning of the pin in the recess, said pin having between its ends a clearance for the bolt, and a burr at the outer end of the transverse recess for engaging in the slotted end of the pin and maintaining the inclined retention member in engagement with the bolt threads.

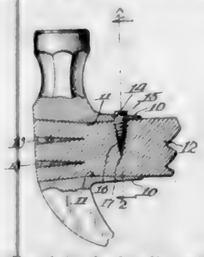
1,565,610. NUT-CRACKING MACHINE. ROBERT E. WOODSON, Webster Groves, Mo. Filed Dec. 22, 1922. Serial No. 608,408. 9 Claims. (Cl. 146—12.)



1. A nut cracking machine comprising a shuttle for supporting nuts to be cracked, a rigid jaw, a jaw movable to and from said rigid jaw to crack nuts placed successively upon said shuttle, a chute, a shuttle having a longitudinal groove of less width than the length of the nuts received from said chute and arranged to support the nuts above the plane of said jaws, means for moving said second shuttle, and a wiper for discharging the nuts from the end of the second shuttle to the first shuttle in positions in which the ends of the nuts are toward said jaws respectively.

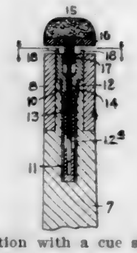
1,565,611. TOOL-HANDLE-HOLDING MEANS. RUDOLPH ADE, Evansville, Ind., assignor to Evansville Tool Works, Evansville, Ind., a Corporation of Indiana. Filed Aug. 11, 1923. Serial No. 656,882. 1 Claim. (Cl. 306—32.)

The combination of a tool head having a handle opening therethrough and having an extension provided as part of said opening an adze-eye of the character described having a relatively long axis and a relatively short axis in cross view, said extension having a hole therein for a wedge to extend therethrough in the direction of said relatively long axis, a wood handle in said handle opening, means for holding the outer end portion of the handle tightly in the outer portion of the handle opening, and a threaded cone-shaped wedge in said



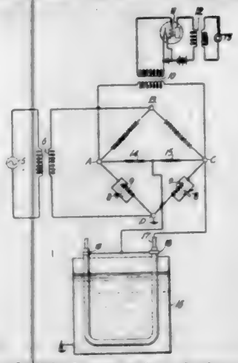
hole and extending into the handle, said wedge having a cylindrical head of a diameter permitting it to pass into said hole to provide for advancing the wedge from time to time by a threading action beyond its normal relative position.

1,565,612. CUE TIP. VINCENT AJELLO, Pittsburgh, Pa. Filed Mar. 20, 1925. Serial No. 16,998. 4 Claims. (Cl. 273—70.)



1. The combination with a cue stick, of tip structure comprising a threaded member secured to the stick, means for yieldably holding said member against longitudinal movement, a tip, and a threaded member secured to the tip and adapted to engage with the first-named threaded member.

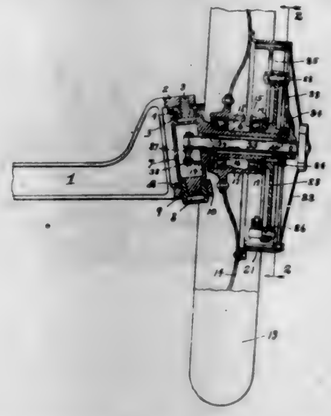
1,565,613. ELECTRICAL MEASURING APPARATUS. GUSTAVUS A. ANDEREGG, Blackheath, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 10, 1923. Serial No. 618,426. 10 Claims. (Cl. 175—183.)



1. In an electrical measuring device, a Wheatstone bridge and means, including a balanced circuit, associated therewith to eliminate excessive errors due to surface leakage over the material to which the measuring device is applied.

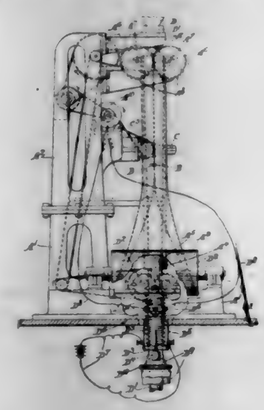


1,565,614. BRAKE MECHANISM. BENJAMIN H. ANIBAL, Detroit, Mich. Filed May 22, 1924. Serial No. 715,052. 7 Claims. (Cl. 188—194.)



1. In combination, a hollow axle, a wheel mounted thereon, a brake mechanism attached to the outer side of the wheel, and means extending through the axle and through the wheel from said brake mechanism to the inner side of the wheel for operating said brake mechanism.

1,565,615. MACHINE FOR MAKING AND FILLING BAGS. ADELMER M. BATES and JOHANN E. DANCKER, Chicago, Ill., assignors to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed May 20, 1919. Serial No. 298,452. 59 Claims. (Cl. 112—11.)



36. A tube forming machine comprising a form consisting of two tubes, one of them substantially the same size as the tube being formed, the other of lesser cross sectional area, means for drawing a continuous strip of fabric along said tubes comprising fabric engaging members adapted to clamp the fabric against the tubes and means for driving said members at the same velocity, means for stretching the fabric about one of the form tubes, means for joining its edges to form the fabric tube, means for feeding forward a continuous flowing tube of fabric, and means responsive to the flow of fabric for controlling the means for feeding it out, said controlling means comprising a collar engaged by and adapted to be forced along with the flowing tube of fabric, means for yieldingly resisting the movement of the collar, switch members carried by the collar, and a latch associated with the said switch members for resisting movement of the collar in the same direction as the tube, the strip stretching means comprising a roller in engagement with the fabric, the axis of rotation of which is inclined to the line of movement of the strip.

1,565,616. METALLIC TIRE BEAD AND PROCESS OF MANUFACTURING THE SAME. FRANK H. BEYEA, Akron, Ohio, assignor to John R. Gammeter, Akron, Ohio. Filed Aug. 17, 1921. Serial No. 493,150. 8 Claims. (Cl. 245—1.5.)

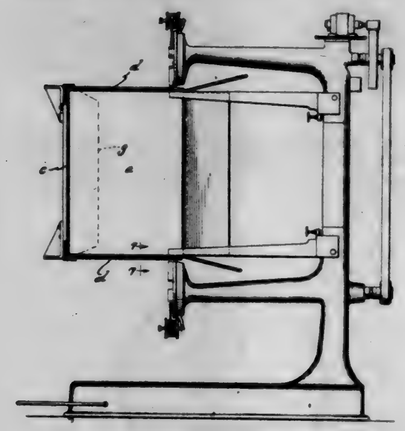
1. A wire ring for use in tire beads or for similar purposes, comprising a circular core wire and a wrapping wire surrounding the core wire, the ends of the wrapping wire being overlapped.

6. The process of manufacturing tire beads comprising forming a core of wire, wrapping a second wire over the said core until it is covered, and overlapping the ends of the second wire on the outside of the core.

1,565,617. CABLE BEAD FOR TIRES. FRANK H. BEYEA, Akron, Ohio, assignor to John R. Gammeter, Akron, Ohio. Filed Sept. 8, 1921. Serial No. 499,304. 5 Claims. (Cl. 245—1.5.)

5. A circular tire bead comprising a core wire of soft steel and a covering wire of hard steel, the ends of the covering wire being held together by solder which also unites the covering wire to the core wire and prevents a shifting of the two wires.

**1,565,618. METHOD OF ASSEMBLING FIBER SHIPPING CASES.** HERBERT R. BLISS, Niagara Falls, N. Y. Filed Dec. 30, 1924. Serial No. 758,923. 7 Claims. (Cl. 93—42.)



1. A method for assembling shipping cases constructed of fiber board or equivalent material comprising a body blank and one or more other blanks, which method comprises the setting up of the blanks and holding them temporarily together in box form, then while so holding placing the box over an anvil and driving metal fasteners thereinto to stitch the other blanks to the body blank.

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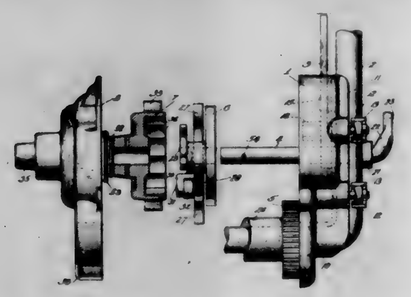
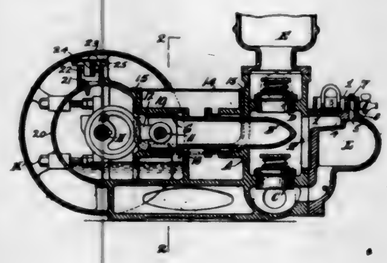
**1,565,619. CLUTCH.** JOSEPH E. BODA, Moline, Ill., assignor, by mesne assignments, to Moline Implement Company, a Corporation of Illinois. Filed Feb. 9, 1922. Serial No. 535,130. 5 Claims. (Cl. 192—62.)



1. The combination with an agricultural implement crank axle having an arm and a crank wrist upon which a ground wheel may be journalled, of a power lift mechanism comprising a compact unit located adjacent the bend in the crank axle and on the inside thereof so that it will be between the crank axle arm and a ground wheel journaled on the crank wrist, said mechanism including a housing member clamped to the crank axle arm adjacent the wrist, a stub shaft journaled at one end in said housing member, a dog plate fixed to the stub shaft and housed by said housing member, a clutch disk journalled on said stub shaft, a driving gear on the crank wrist meshing with the clutch disk, and a complementary housing member forming a bearing for the other end of the stub shaft and adapted to be attached to the first housing member to enclose all of said parts.

**1,565,620. PUMP.** NELSON E. BRIGHAM, South Hadley Falls, Mass., assignor to Worthington Pump and Machinery Company, New York, N. Y., a Corporation of Virginia. Filed Aug. 10, 1921. Serial No. 491,098. 3 Claims. (103—202.)



1. The combination with a pump frame having a pump cylinder and crosshead guide integral therewith, an outside packed pump plunger and crosshead working in said cylinder and guide and a shaft and connection to the crosshead for reciprocating said plunger of a metallic shield for the exposed operating parts, said shield being secured in position by spring engagement with the pump frame.

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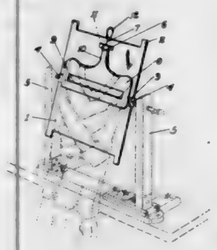
**1,565,621. GARMENT WRAPPING AND HANGING FORM.** BERNARD CAHN, Sacramento, Calif. Filed Jan. 28, 1924. Serial No. 688,957. 4 Claims. (Cl. 223—59.)



1. A garment wrapping and hanging form including a flat wrapping element having an orifice near one end, a hanger to normally lie against the wrapper element, a neck on the hanger projecting through and free for vertical swinging and unlimited rotative movement within the orifice, and a head on the outer end of the neck extending across the orifice to normally prevent retraction of the neck through said orifice.

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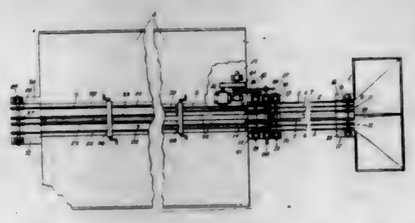
**1,565,622. FRUIT GRADER.** JAMES CASSIE, Courtland, Calif. Filed July 7, 1924. Serial No. 724,594. 15 Claims. (Cl. 209—71.)

1. A grader having a pair of spaced conveyors each moving in substantially a direct line without reversals from the conveying part of the grader adapted to size fruit therebetween, means to drive the conveyors, a sectional guide for one of the conveyors, means to move a portion of the guide laterally of the direction of travel of the conveyor without substantially altering the position of contiguous sections whereby the spacing of the conveyor may be greater at a position near the feeding-in end than further along the conveyor to receive fruit



thereat, said means to move the portion of the guide also being adapted to move the portion inward to narrow the spacing of the conveyor to pass the fruit on.

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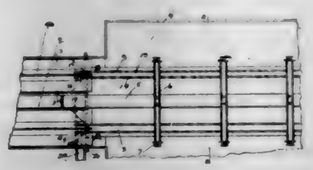
**1,565,623. FRUIT-SIZING MACHINE.** JAMES W. CASSIE, Courtland, Calif. Filed May 11, 1925. Serial No. 29,329. 7 Claims. (Cl. 209—102.)



1. A fruit sizer comprising in combination a pair of spaced guide rods adapted to size fruit therebetween, rope conveyors operable in said guide rods, the guide rods and ropes being continuous from one end of the sizer to the other, one of said guide rods being fixed and the other shiftable laterally thereto, means to bend the shiftable guide rod to alter the distance apart at different positions of its length, said conveyors remaining in contact with said guide rods.

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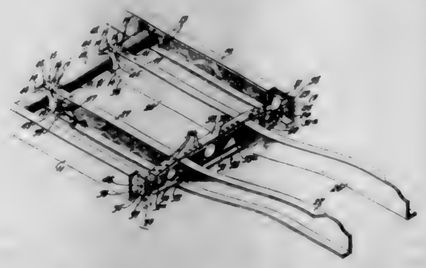
**1,565,624. DETACHABLE SUBFRAME FOR VEHICLES.** ROLAND CHILTON, Keyport, N. J., assignor to Aeromarine Plane and Motor Company, Inc., a Corporation of New York. Filed Aug. 11, 1924. Serial No. 731,373. 20 Claims. (Cl. 180—64.)



1. In a detachable power plant supporting unit for a vehicle the combination of, a relatively wide vehicle main frame terminating behind the front wheels of the vehicle so as to afford clearance for the steering thereof, a relatively narrow power plant frame, each frame including two side members spaced apart, the power plant side members spaced less than the main frame side members, a cross member rigid with the vehicle frame and spaced from the ends thereof and adapted for engagement by the ends of the power plant frame and a cross member rigid with the power plant frame and intermediate the ends thereof and extended to detachably engage the ends of the vehicle frame.

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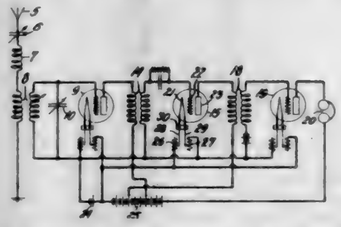
**1,565,625. SIGNALING SYSTEM.** HENRY P. CLAUSEN, Mamaroneck, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 6, 1923. Serial No. 678,937. 7 Claims. (Cl. 179—171.)



1. In combination, a vacuum tube having a cathode, a control and a plate electrode, a source of potential for said tube, and means included in the cathode circuit for effecting changes in the potentials applied to said control and plate electrodes without changing the current in the cathode circuit.

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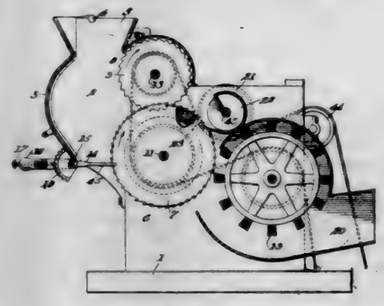
**1,565,626. COTTON GIN.** WILLARD D. DOREMUS, deceased, late of Washington, D. C., by Effie F. Doremus, administratrix, Washington, D. C., assignor to Thomas Morton Gittings, trustee, Washington, D. C. Filed Sept. 8, 1920. Serial No. 409,018. 3 Claims. (Cl. 19—55.)



3. In a cotton gin, a cylinder comprising gin saws, and a cylinder comprising disks having angular teeth on their peripheries, the cylinders being rotatable in the same directions and so arranged that the saws and disks overlap, the forward sides of the teeth on the disks in respect of their direction of movement being of less abrupt incline than the opposite sides thereof.

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**1,565,627. VISIBLE DISPENSING DEVICE.** JERALD G. DOTY, St. Louis, Mo. Filed July 28, 1924. Serial No. 728,632. 5 Claims. (Cl. 137—104.)

1. A visible dispensing device comprising a receptacle, a pipe opening into the receptacle, a tube enclosing the discharge end of said pipe within the receptacle, a tubular fitting attached to said pipe within said tube, a valve chamber in connection with said fitting having an outlet therethrough to said tube, a valve enclosed in said chamber, a stem extending from said valve through said outlet

and through the end of said tube, a lever pivotally supported by said tube engaging said stem, a second lever pivotally supported by said tube and movable vertically

to positions beyond dead center on opposite sides of its pivot with respect to said first named lever, a spring connecting said levers on opposite sides of their pivots, and a float connected to the outer end of said second lever.

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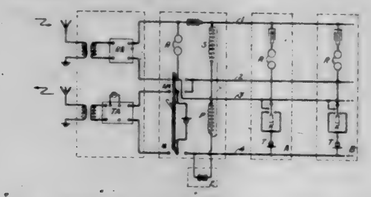
**1,565,628. TELEPHONE INTERCOMMUNICATING SYSTEM FOR AEROPLANES.** GEORGE D. EDWARDS, East Orange, and WILLIAM H. CAPEN, Mountain Lakes, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 25, 1920. Serial No. 412,864. 5 Claims. (Cl. 179—2.)



1. An intercommunicating system, comprising a master station set, and a plurality of local stations, each having a transmitter and receiver, means whereby said master station may engage in two-way communication with a distant station, and simultaneously each of said local stations may transmit to and receive from all of the other local stations, and means whereby said master station may listen in at will on the receiver circuits of all of the local stations together and each of the local stations may listen in on the master station, said means comprising a single circuit-closing means at each station.

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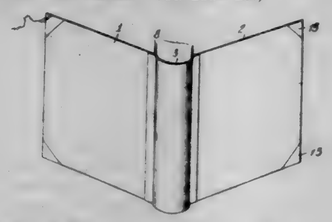
**1,565,629. BOOK AND COVER.** HENRY C. EGERTON, Ridgewood, N. J. Filed Oct. 11, 1918. Serial No. 257,706. 25 Claims. (Cl. 281—29.)



1. The book having covers comprising a plurality of layers of canvas fabric carrying and impregnated with cured phenolic condensation cementing material, vulcanized rubber corner and other reenforcements secured to said covers, a flexible canvas fabric back carrying soft cured phenolic condensation cementing material and having attaching portions incorporated in and cemented to said covers and book elements having connected attaching connecting portions cemented and permanently connected to said back and covers.

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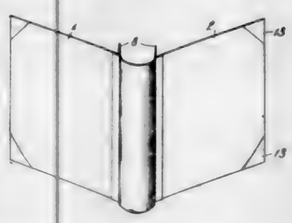
**1,565,630. PROCESS OF MAKING BOOKS AND COVERS.** HENRY C. EGERTON, Passaic, N. J., assignor to Harry L. Duncan, Ridgewood, N. J. Original application filed Oct. 11, 1918, Serial No. 257,706. Divided and this application filed Nov. 18, 1921. Serial No. 516,085. 14 Claims. (Cl. 281—27.)



1. The process of making book covers which comprises superimposing a number of layers of canvas fabric carrying phenolic condensation cementing material to form stiffened covers, interposing flexible back members to unite said covers and incorporating vulcanized rubber wear resisting members on exposed portions of said covers and uniting and molding the elements of said covers and simultaneously curing said phenolic condensation material and vulcanized rubber by subjecting the elements to a heat and pressure curing treatment.

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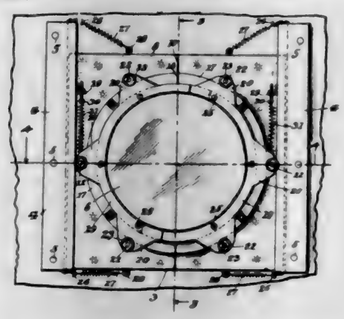
**1,565,631. WATER CLOSET.** WILLIAM R. FENSOM, Richmond, Va., assignor of one-half to Stanyarne Wilson. Filed Oct. 16, 1924. Serial No. 744,073. 2 Claims. (Cl. 277—16.)

1. The combination of a valve casing having an inlet connection at its lower end and an outlet at the side and a tapered portion between the lower end and said outlet, a non-threaded sleeve fitting within the casing and having a tapered inner end which fits against the tapered portion of the casing and also having a valve seat at said lower end, and an opening in the side registering with said outlet, a plug valve adapted to close upwardly against the seat, a cap on the upper end of the casing, confining the sleeve in place, and a stem connected to the plug valve and working thru said cap.



**1,565,632. PACKING BOX FOR PULP AND PAPER BEATERS.** WINFIELD J. FISH, Hamilton, Ohio, assignor of one-half to Abner Cress, Hamilton, Ohio. Filed Feb. 6, 1925. Serial No. 7,329. 6 Claims. (Cl. 92—24.)



1. In a packing box apparatus for beater shafts, a pair of parallel guide plates permanently secured in position, a packing element slidably mounted between said guide plates comprising a plurality of superimposed plates and rings, and spring means between said guide plates and packing element to yieldingly retain the latter in position, as and for the purposes described.

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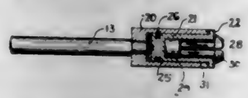
**1,565,633. MUSIC-ROLL SPINDLE.** STANLEY L. FISHER, Chester, Conn., assignor to The Pratt Read Player Action Company, Deep River, Conn. Filed May 6, 1921. Serial No. 467,342. 24 Claims. (Cl. 242—69.)



1. A music roll spindle comprising a shaft, a member rotatably carried by the shaft, a roll socket engaging means carried by said rotatable member and resiliently urged relatively thereto into snug engagement with the roll socket.

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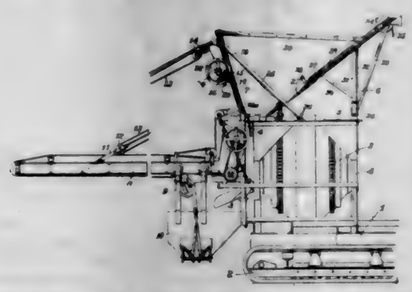
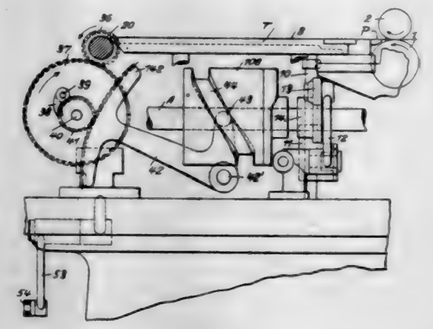
**1,565,634. BOOM DRIVE.** CHARLES E. FOOTE, Nunda, N. Y., assignor to The Foote Company, Inc., Nunda, N. Y., a Corporation of New York. Filed May 29, 1925. Serial No. 33,690. 15 Claims. (Cl. 214—17.)



1. In combination with a concrete paver, a boom, an A-shaped frame mounted on the paver, said frame tiltable from an upright to a horizontal position, and an adjustable cable extending from the frame to the boom and said frame and cable supporting the boom when the frame is in its horizontal and upright positions.



**1,565,635. METHOD AND MACHINE FOR MAKING PAPER TUBES.** PAUL GANGLER, Esslingen, Germany, assignor to the Firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Filed Oct. 31, 1922. Serial No. 598,187. 8 Claims. (Cl. 93—81.)



1. Machine for making paper tubes comprising a mandrel, means for rotating said mandrel, means for feeding tube forming material towards said mandrel, means for cutting rhombic sheets from the material, means for operating said cutting means, a gripper hinged in a recess of said mandrel and adapted to engage the leading point of the rhombic sheet and means for operating said gripper.

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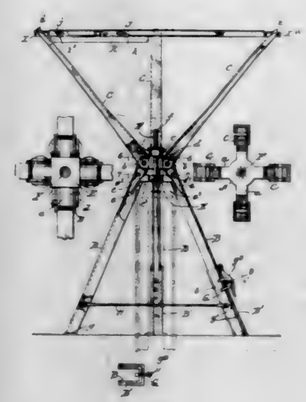
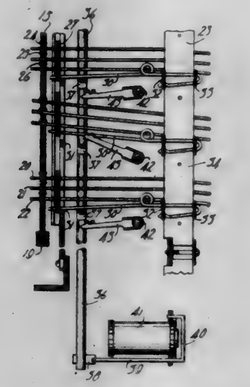
**1,565,636. FOLDING STOOL.** CHARLES GOETZ, New York, N. Y. Filed Feb. 19, 1923. Serial No. 619,860. 7 Claims. (Cl. 155—135.)



1. A folding stool embodying a foldable underframe and a collapsible seat structure, said seat structure being flexible and held in stretched demountable condition to said underframing, said underframing comprising legs and arms and an interposed member to which adjacent ends of said legs and arms are pivoted and means between said legs for distending the latter, said means including wedges on the legs adjacent said interposed member.

1,565,637. TELEPHONE SWITCH. HAROLD W. GOFF, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 663,465. 7 Claims. (Cl. 179—27.5.)



1. In a switching device, switch contacts, a slotted support and a retracting spring for moving said contacts held in said slots through the medium of its own tension.

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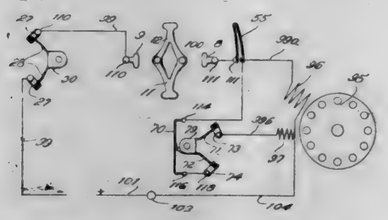
1,565,638. INDUCTION-MOTOR-STARTING AND OVERLOAD SWITCH. ALBERT R. GOLDRICK, Cleveland, Ohio, assignor to The Domestic Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 14, 1923. Serial No. 651,595. 14 Claims. (Cl. 172—279.)



1. In combination, a motor having a field winding including a starting coil, a switch mechanism controlling the field and comprising contacts tending to open, a second switch mechanism having a similar group of contacts, carrier members supporting the contacts, a latch mechanism for engaging each carrier member, a manually operated mechanism for closing the contacts and for setting the latches, electro-responsive means associated with each switch mechanism for releasing the latches to allow the contacts to open upon an overload current traversing the field winding and a third switch mechanism operated only when said manually operable mechanism is actuated, for completing the starting coil circuit.

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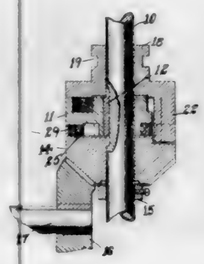
1,565,639. CLUTCH. ALBERT A. GORDON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed May 31, 1924. Serial No. 716,855. 4 Claims. (Cl. 192—67.)

1. A clutch having, in combination, a shaft to be driven, a member fixed to said shaft and having a peripheral recess therein, a driving member loose on said shaft and having a corresponding peripheral recess, a third member manually slidable on said shaft and having a projection slidable in said recesses to connect said driving member to said fixed member, said projection having an inner lug, a ring mounted in the upper face of said driving member and forming a shoulder for said lug, said ring having two peripheral recesses therein on opposite sides thereof to receive said lug, and means to turn said ring relative to said fixed and driving members.



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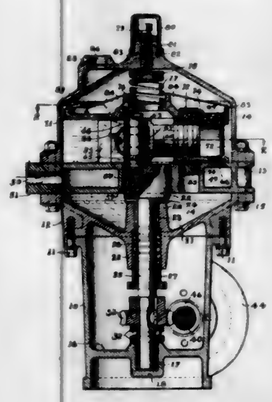
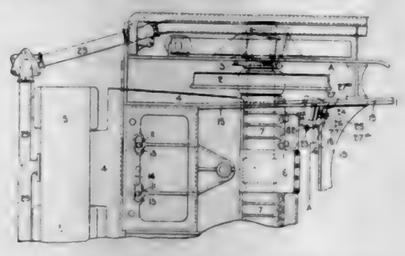
1,565,640. PUMP. LEE B. GREEN, Lakewood, Ohio, assignor of one-third to Earl L. Jones, Cleveland, Ohio, and one-third to Cassius L. Finney, Canton, Ohio, and one-third to Conrad B. Krause, Cleveland, Ohio. Filed Mar. 6, 1924. Serial No. 697,264. 8 Claims. (Cl. 230—6.)



1. In apparatus of the class described, the combination of a casing, a vertically arranged crankshaft therein, a horizontally arranged oscillating cylinder in said casing, a plunger in said cylinder operatively connected with said shaft to be actuated thereby, said casing being adapted to hold a lubricant in which said cylinder and plunger are submerged, a member cooperating with the upper side of said cylinder and having a port through which gases are discharged into said lubricant, and said casing having an outlet for gases above the surface of the lubricant.



1,565,641. STEAM OR OTHER LOCOMOTIVE COMPRISING BOOSTER ENGINE OR MOTOR. HERBERT NIGEL GRESLEY, Hadley Wood, England. Filed Feb. 20, 1925. Serial No. 10,596. 8 Claims. (Cl. 105—48.)



1. In a locomotive, a main frame, trailer wheels, an axle on which said trailer wheels are fixed, a booster engine structure supported by said main frame and in driving connection with said axle, and means adapted to transmit directly to said main frame the thrusts set up when the booster engine is operating.

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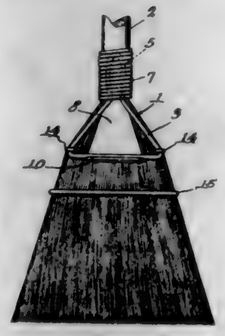
1,565,642. BROOM HOLDER. JOHN R. HARVEL, Muskogee, Okla. Filed Mar. 31, 1925. Serial No. 19,656. 1 Claim. (Cl. 15—171.)



In a broom holder, a handle, spring clamping jaws securely arranged on opposite sides of the handle and normally extending in diverging relation, said jaws being formed of wire material and extending outwardly beyond the handle, cross ties slidably connected to the jaws, said cross ties being adapted to be moved towards the outer ends of the jaws to cause the jaws to move inwardly, and plates positioned under the jaws and secured to the handle and adapted to engage the side faces of a broom head inserted between the jaws.

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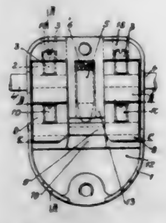
1,565,643. OIL-PACKING WASHER. ROBERT LEE HAYS, Dallas, Tex. Filed Apr. 30, 1925. Serial No. 27,049. 1 Claim. (Cl. 288—1.)

A packing washer having a cylindrical split body provided with an annular flange of spaced radial segments; ears on the split portions of said body; a porous washer interiorly abutting said flange, and means to connect the said ears together.

1,565,644. AUTOMATIC EXCESS-HEAT FUSE FOR ELECTRIC MACHINES AND APPARATUS. WILLIAM HICKEL, Zurich, and OTTO PLETSCHER, Jr., Albisrieden, Switzerland. Filed Aug. 11, 1923. Serial No. 656,885. 2 Claims. (Cl. 200—120.)



1. An automatic excess heat fuse for electric machines and apparatus, comprising a casing of insulating material, a snugly fitting lid connected detachably to said casing, two spaced contact pieces secured to said casing, spaced contact pieces connected to the lid so as to bear against the contact pieces of the casing, a fuse pin carried by the contact pieces of the lid so as to bridge the gap between them, and a spring-pressed plunger of non-combustible insulating material held by the casing so as to bear normally against the fuse pin and so as to be interposed between the pin holders when the fuse burns out.

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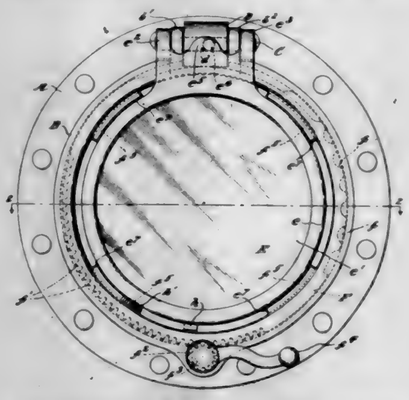
1,565,645. PORT LIGHT. HARRY B. HILLS, Hudson, N. Y. Filed Jan. 6, 1922, Serial No. 527,876. Renewed June 5, 1925. 12 Claims. (Cl. 114—178.)



1. The combination with a casing for an opening; a cover for covering and uncovering the opening; a pivotal connection between the casing and cover; a ring having gear teeth for moving the cover on the pivotal connection; a shouldered recess on said ring; and a lip fitting in said recess to prevent its distortion when moving the cover on its pivotal connection.

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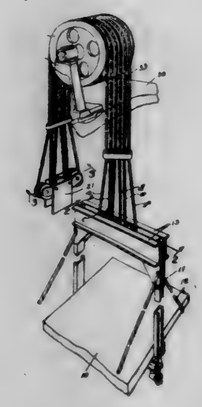
1,565,646. CABLE EQUALIZER FOR ELEVATORS AND THE LIKE. JOHN W. HOBBS, Indianapolis, Ind., assignor to The Home Elevator Company, Indianapolis, Ind. Filed May 27, 1924. Serial No. 716,161. 4 Claims. (Cl. 187—1.)

3. A cable equalizing attachment for connecting the ends of the cables with an elevator and its counterweight, comprising a pair of levers having their adjacent ends pivotally connected and fulcrumed between their

ends to said elevator, a similar pair of levers having their adjacent ends pivotally connected and fulcrumed between their respective ends to said counter-weight, pulley blocks pivotally mounted on the extreme ends of said levers, a pulley block pivotally mounted on the



pivotal connections between the adjacent ends thereof, two or more of said cables having one end directly connected with the last mentioned pulley blocks on said elevators and counter-weight, and the other cables partially passing about and having their ends connected with the first mentioned pulley blocks.

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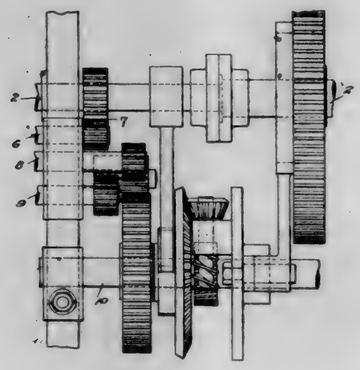
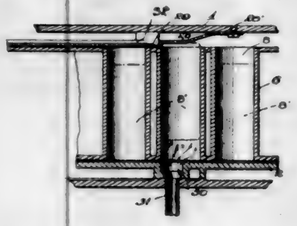
1,565,647. MACHINE FOR COMBING COTTON, WOOL, AND THE LIKE. JAMES HORRIDGE, Bolton, England, assignor to John Hetherington and Sons Limited, Manchester, England. Filed Apr. 16, 1924. Serial No. 706,806. 2 Claims. (Cl. 19—120.)



1. In a combing machine, the combination of a pair of nippers, three pairs of detaching rollers disposed in parallelism with said nippers, means for imparting to the pair of rollers nearest the nippers a continuous forward rotary motion, and means for imparting to both of the remaining pairs a partial forward and reverse motion, whereby the piecing operation is effected in the middle pair of rollers.

1,565,648. MACHINE FOR TRIMMING FRUITS. SIMMS T. HOYT, Honolulu, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii, a Corporation of Hawaii. Filed Jan. 20, 1905. Serial No. 3,632. 17 Claims. (Cl. 146—6.)



1. A machine for trimming fruit, comprising a traveling carrier provided with a plurality of tubes each adapted to receive a fruit, a knife located adjacent the path of travel of said carrier, and means for admitting fluid under pressure into one end of the tubes, whereby to move the contained fruit longitudinally therein, and project the end of the fruit into the plane of the knife.

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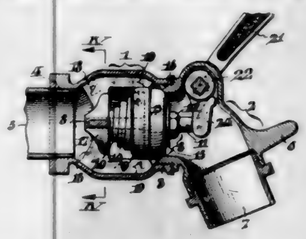
1,565,649. FAUCET. JAMES A. JENSEN, Philadelphia, Pa., assignor to Quaker City Iron Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 25, 1924. Serial No. 739,809. 5 Claims. (Cl. 251—156.)



1. In a faucet of the character described, the combination of a casing providing a concentric abutment head having the leading face divergently sloped and a valve seat; a hollow closure member afforded guidance in the abutment head while movable toward and away from the valve seat; a spring influential upon the closure member to resist valve opening; said abutment head operating with the closure member to form a confined cavity for wholly accommodating the spring when compressed.

5. In a faucet of the character described, the combination of a casing providing a valve seat; a closure member having a rearward projecting stem movable toward and away from the valve seat; and a fixed abutment head centrally pierced to slidingly receive the stem of the closure member, said head being supported coaxially within the casing by a number of radial ribs, and said ribs extended longitudinally of the casing to assist in guiding said closure member.

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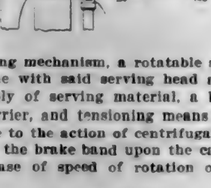
1,565,650. CHECK VALVE. WILLIAM A. KEE, Joplin, Mo., assignor of one-fourth to Jesse A. Worley and one-fourth to Cullis M. Humphreys, both of Baxter Springs, Kans. Filed Dec. 30, 1924. Serial No. 758,870. 2 Claims. (Cl. 251—127.)

1. A check valve comprising a relatively large valve chamber having substantially axial inlet and outlet openings, a valve seat arranged in said chamber, a valve adapted to engage against one side of said seat, said casing being provided with a substantially radial opening substantially equal in width to the diameter of said valve, and a cover for said radial opening, a portion of said valve being adapted to engage the walls of said



chamber to be guided thereby, said cover being provided with an inward extension adapted to engage another portion of said valve to serve as a guide therefor.

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1,565,651. CHANGEABLE FINGER RING. MARTIN KLASS and SAMUEL STERN, New York, N. Y. Filed Apr. 30, 1924. Serial No. 710,030. 3 Claims. (Cl. 63—16.)

3. A finger ring comprising a pair of circular bands alike in all respects and arranged in reversed relation, said bands having between them two opposed spaces to receive stones, said bands being closed in at two opposite points and fixedly united, forked ears extending laterally from each side of said bands at their connections, and semi-circular side elements pivoted to the sides of said bands adjacent the closed in portions to fold adjacent the sides of said bands, said side elements having stone receiving openings in their peripheral faces and having designs on their side surfaces.

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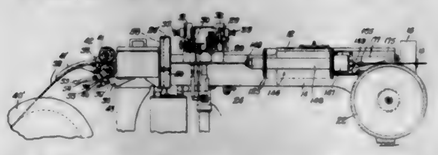
1,565,652. TAPING MACHINE. FREDERIC SHIELDS KOCHENDORFER, River Forest, and MILTON EARL ROBINSON, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 31, 1922. Serial No. 585,562. 42 Claims. (Cl. 117—41.)



1. In a serving mechanism, a rotatable serving head, a carrier rotatable with said serving head and adapted to support a supply of serving material, a brake band engaging said carrier, and tensioning means for said brake band responsive to the action of centrifugal force whereby the pressure of the brake band upon the carrier decreases with the increase of speed of rotation of said serving head.

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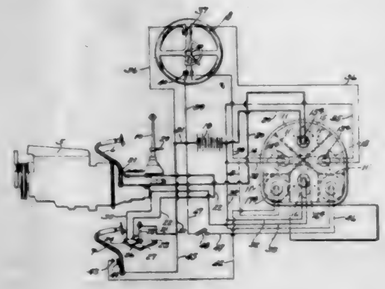
1,565,653. AUTOMOBILE TRAFFIC SIGNAL. WILLIAM H. KRUMPELMANN, St. Paul, Minn. Filed Oct. 11, 1922. Serial No. 593,869. 1 Claim. (Cl. 200—59.)

The combination with a motor-propelled vehicle equipped with a selective gear transmission having a gear shift lever, of primary and secondary contact plates insulated from each other, the former located in three and the latter in one quadrant of a circle, and a contact



member carried by said shift lever and movable over said primary and secondary contact plates but being out of electrical contact with both thereof when said shift lever is in neutral position, said movable contact being thrown



into engagement with said primary contact plate when said shift lever is in low, intermediate or high position and being engageable with said secondary contact plate when said lever is in position for reverse.

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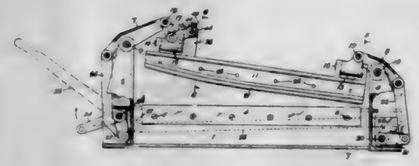
1,565,654. CUTTING MACHINE. ALFRED LAUKHUFF, Shorewood, Wis. Filed June 19, 1923. Serial No. 646,330. 18 Claims. (Cl. 164—58.)



1. In a cutting machine the combination of relatively movable blades and mechanism adapted to close the blades with a retarded shorter movement at one end and an accelerated longer movement at the other end.

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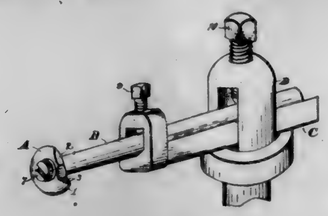
1,565,655. METALLIC BOBBIN FOR PHOTOGRAPHIC OR LIKE FILMS. GEORGES EUGENE LEFEBVRE, Joinville-le-Pont, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Filed Aug. 19, 1924. Serial No. 732,929. 2 Claims. (Cl. 242—71.)

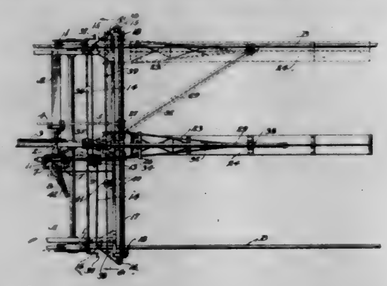
1. A bobbin for photographic films, comprising in combination a metallic tube formed by a blank cylindrically bent so as to bring its longitudinal edges into contact, two metallic discs forming the cheeks of the bobbin and being provided with a central aperture and circularly disposed slots, tongues being struck up in the metal of said discs close to said slots, the transverse edges of said blank being provided with tongues that are engaged into said slots and under the tongues of the said discs, and the latter tongues being forced down upon the tongues of the blank, the whole being driven down flush with the surface of the discs.

1,565,656. LATHE TOOL. FRED J. LEGGOTT, Battle Creek, Mich. Filed July 5, 1923. Serial No. 649,597. 1 Claim. (Cl. 29—98.)



In a tool of the class set forth, the combination with a disc-shaped cutter having a peripheral notch and formed with a round central hole having a longitudinally fluted wall, a round supporting bar having a reduced concentric longitudinally fluted shank, said shank being complemental with and adapted to receive said cutter, said bar having a clearance space between the inner ends of the ribs on its fluted shank and a shoulder of said bar against which said cutter is adapted to operatively abut from either side, and means to secure said cutter on said bar, substantially as and for the purpose set forth.

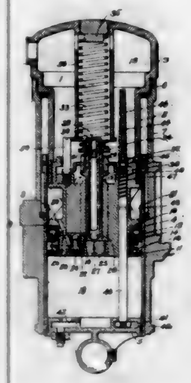
1,565,657. ROAD-FINISHING MACHINE. ERICH H. LICHTENBERG, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation. Filed May 20, 1922. Serial No. 562,480. 19 Claims. (Cl. 94—46.)



1. A machine for finishing concrete roads comprising a support adapted to travel over the subgrade on which the concrete aggregates are to be laid, a finishing member disposed longitudinally of the road and movable longitudinally upon said support for performing its finishing work, while in engagement with aggregates laid upon the road subgrade, means to effect such movement of the finishing member longitudinally of the road and means to gradually vary the point of application of the finishing member to the plastic aggregates in a direction transversely of the road and during said longitudinal finishing movement of the longitudinal finishing member.

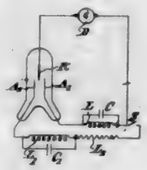
1,565,658. AIR-SPRING SUSPENSION. RICHARD LIEBAU, New Haven, Conn., assignor to The Westinghouse Air Spring Company, a Corporation of Pennsylvania. Filed Feb. 26, 1919. Serial No. 279,434. 3 Claims. (Cl. 267—65.)

1. In an air spring, relatively movable members having a sliding joint therebetween and forming a cushion chamber capable of extension and compression movements, a chamber for collecting the oil passing said joint, a pump operable upon compression and extension movements of said spring and constructed so as to function both as an air and as an oil pump for pumping air and oil from said collecting chamber to said cushion



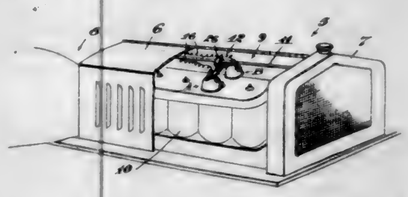
chamber, and means including a minute spiral channel for bleeding air from said cushion chamber upon abnormal extension movements of said spring.

1,565,659. HIGH-VACUUM DEVICE FOR INFLUENCING CURRENTS. JULIUS E. LILIENFELD, Kew Gardens, N. Y. Filed Sept. 3, 1921. Serial No. 498,391. 11 Claims. (Cl. 250—27.)



4. Apparatus of the character described, comprising an envelope evacuated to such a degree that ionization is substantially prevented, an unheated cathode having a surface of small radius of curvature, an anode in close proximity to the said surface, a second anode, means including the cathode and the first anode for producing a non-oscillatory discharge and means including the second anode for producing an oscillatory discharge.

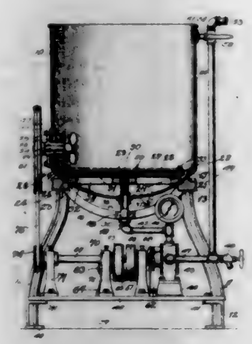
1,565,660. AUTO HOOD LAMP. MARY L. LITTLE, Long Beach, Calif. Filed June 29, 1925. Serial No. 40,235. 3 Claims. (Cl. 240—7.1.)



1. In an auto hood lamp, a pair of complementary brackets, adapted to be placed end to end and having their meeting ends upturned and forming collectively a pair of jaw members, clamping means connecting the upturned end portions of said bracket, and a lamp carried on the outer ends of each of said brackets.

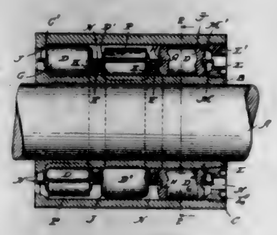


1,565,661. FILTER. FRANK B. LOMAX, Chicago, Ill. Filed Sept. 29, 1924. Serial No. 740,432. 19 Claims. (Cl. 127—22.)



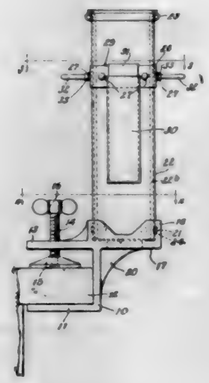
2. In combination, a container, a horizontal filtering partition separating said container near the bottom into two superposed compartments, means for agitating the material in the upper compartment, means for withdrawing material from the lower compartment, a stand for supporting the container and a connection between the stand and the bottom of the container for securing the latter in position on the stand, said means comprising an outlet through which the material is withdrawn and having openings leading into the lower compartment.

1,565,662. ROLLER BEARING. CHARLES I. LOTT, Norfolk, Va. Filed Oct. 7, 1920. Serial No. 415,223. Renewed Oct. 14, 1925. 5 Claims. (Cl. 64—62.)



1. The combination with a one-piece cylindrical bearing member having at one end an annular projection forming a conical bearing surface, of a concentric sleeve spaced from said member and having an annular projection forming a conical, co-acting bearing surface in the plane of the projection first mentioned, an annular series of cylindrical rollers fitting the space between said surfaces, primarily movable into and out of one end of said space, and terminally diminished to form rounded end surfaces, and a conical ring secured in said end to retain the rollers in place.

1,565,663. HOLDER FOR PLUMB RULES. JOHN LUNDSTROM, Evanston, Ill. Filed Apr. 26, 1924. Serial No. 709,108. 3 Claims. (Cl. 206—16.)



1. A holder for a plumb rule and the like embodying a clamp, a portion of the clamp being shaped to form a base and upstanding walls, a tubular element open at both ends, one of the ends of the tubular element being disposed within the said walls and supported by the said base, and interlocking means, between the walls of the tubular member and the said upstanding walls.

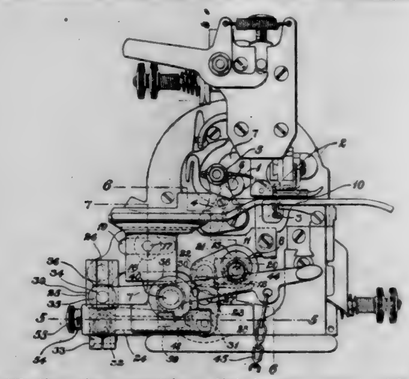
1,565,664. FASTENING DEVICE. CLARENCE MAYER, Chicago, Ill., assignor to Nature's Rival Co., Chicago, Ill., a Corporation of Illinois. Filed July 16, 1923. Serial No. 651,745. 1 Claim. (Cl. 2—265.)

As an article of manufacture hook tape comprising a strip of tape having hooks riveted thereto in spaced relation with the entirety of the hooks lying between the edges, and a superposed strip of tape completely overlying the shanks and the rivets of said hooks on said first named strip and having openings intermediate its edges, the return-bend portions of the bills of the hooks projecting through said openings, both of said strips constructed and arranged to be sewed to a garment by parallel rows of stitching along the opposite edges on opposite sides of the row of hooks with the fabric concealing the rear ends of the rivets; said strip of tape, overlying the hook strip, presenting portions cooperating with the shanks of the hooks between the return bends and the rivets.

1,565,665. SEWING MACHINE. JOSEPH M. MERROW, Hartford, Conn., assignor to The Merrow Machine Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 20, 1923. Serial No. 658,382. 7 Claims. (Cl. 112—210.)

1. Sewing machine feed mechanism including in combination, a pair of eccentrics, a feed dog carrier supported for oscillatory and reciprocatory movement and embrac-

ing one of the eccentrics, a rocker having pivotal connection with the feed dog carrier, a fulcrum pivot movably associated with the rocker, a link in engagement



with the other eccentric, a link in engagement with the rocker, and a second rocker having pivotal connection with each of the links.

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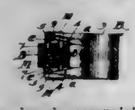
1,565,666. COMMUTATOR BRUSH. HENRY W. MUHLEISEN, Los Angeles, Calif. Filed Jan. 11, 1923. Serial No. 612,101. 6 Claims. (Cl. 200—26.)



3. A commutator brush comprising an integral body having a sleeve formed thereon for attachment to a driving shaft, and a pair of arms radially extended from said sleeve and spaced apart, the adjacent edges of said arms being correspondingly tapered outwardly in opposite directions, a supporting member slidably held in the ends of said arms, a roller rotatably held on said supporting member between said arms, and means within said supporting member and engaging the tapered edges of said arms for resiliently holding said roller outwardly from said sleeve, said arms having end portions for limiting the outward movement of said roller.

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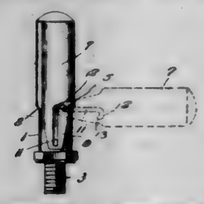
1,565,667. DUST CAP. EMANUEL NELSON and ADOLPHUS ADDISON BASSETT, Glendale, Calif. Filed Oct. 31, 1924. Serial No. 747,039. 2 Claims. (Cl. 152—12.)



1. A dust cap comprising a sleeve threaded at its lower end on the usual valve stem, laterally extending pins at diametrically opposite points on the upper portion of the sleeve, a cap member, ears on the lower portion of the cap at diametrically opposite points, said ears being provided with bayonet slots for cooperation with the aforementioned pins on said sleeve to permit the cap to normally cover the upper end of the valve stem, and further permit the outward swinging movement of the cap with respect to the sleeve for uncovering the upper end of the valve stem for inflating purposes.

1,565,668. HAMMER. MOSES NICHOLLS, Libertyville, Ill., assignor of one-half to Milton J. Wolcott, Exeland, Wis. Filed Mar. 3, 1924. Serial No. 696,631. 1 Claim. (Cl. 145—61.)

In a device of the type described, a handle for supporting a tool head, superimposed metal and fiber inserts disposed at the side of said handle at the tool head supporting end thereof, said inserts being of uniform thickness throughout their length, said handle tapered toward the tool supporting end to a relatively narrow extremity, and said inserts being further fashioned to the same width as said handle at the outer end and being relatively narrow in width at the neck portion of the handle, and means for securing said inserts against removal from said handle.

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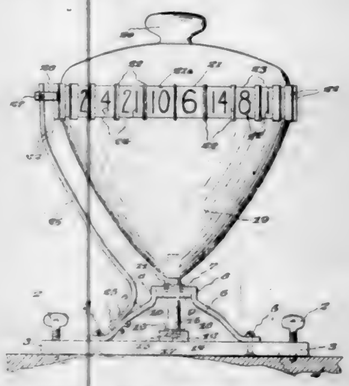
1,565,669. AMUSEMENT DEVICE. HARRY E. O'REILLY, Chicago, Ill. Filed Nov. 2, 1923. Serial No. 672,360. 3 Claims. (Cl. 273—143.)



3. An amusement device comprising a base having bearings, a gyratory member having a shaft supported by said bearings, said member being provided with a series of indications and radial members dividing said indications, an arm on said base and having a pointer adapted to engage said radial members, and manual engaging means on said gyratory member for actuating the same.

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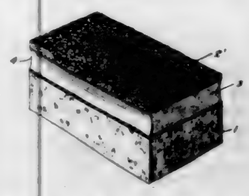
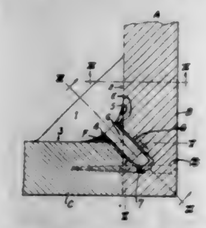
1,565,670. DRAFTSMAN'S POUNCE BLOCK. FLOYD PHILP, Lompoc, Calif. Filed Sept. 30, 1924. Serial No. 740,883. 3 Claims. (Cl. 91—62.5.)



1. A pouncing device for tracing cloth and other drawing surfaces comprising a block of pounce material having a strip of fibrous material secured thereto.



1,565,671. WEB-FORMING ATTACHMENT FOR FOUNDRY PATTERNS AND THE LIKE. CHARLES H. REEDER, St. Louis, Mo. Filed Apr. 29, 1925. Serial No. 26,605. 9 Claims. (Cl. 22—164.)



9. In a foundry pattern and the like, wall portions arranged at an angle to each other so as to form a corner, a fillet in said corner, said pattern being provided with an opening circular in cross section which extends through said fillet and into a wall of the pattern, and a web-forming attachment, said web-forming attachment comprising a wing having edge faces adapted to contact with faces of said wall portions, a curved face uniting said edge faces and adapted to contact with a face of said fillet, fillets on said wing adjacent to said edge faces and said curved face, and a prong formed on said wing and projecting from the curved face thereof, said prong being rectangular in cross section and being forced into said circular opening in said pattern to secure said wing to said pattern.

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1,565,672. DISPLAY DEVICE. RUSSELL I. RHODES, Attleboro Falls, Mass., assignor to The Mason Box Co., Attleboro Falls, Mass., a Corporation of Massachusetts. Filed Dec. 24, 1924. Serial No. 757,900. 4 Claims. (Cl. 211—28.)

1. A display tray or the like, comprising a body member having a wall of relatively stiff penetrable material, angular wing members for supporting said tray in inclined position, and metal non-resilient plates of bendable metal having integral attaching prongs which respectively engage said wall and said wing members, whereby said wing members may be folded flat against said wall for shipment, or swung outward at right angles thereto and retained in supporting position.

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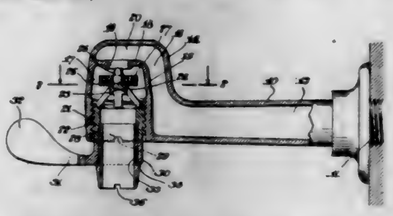
1,565,673. FAUCET. CHESTER RICK, Philadelphia, Pa. Filed Aug. 17, 1923. Serial No. 657,880. 8 Claims. (Cl. 251—8.)



2. A faucet comprising a body having a supply passage and a valve chamber separated by an internal partition wall, there being an inlet opening in said wall at the upper end of said valve chamber, a tubular member connected with said body and rotatable with respect thereto, a valve carried by said tubular member for closing said inlet opening, a spout member secured to and projecting below said tubular member, a shoulder on said spout member, and a handle clamped between the lower end of said tubular member and the shoulder on the spout member.

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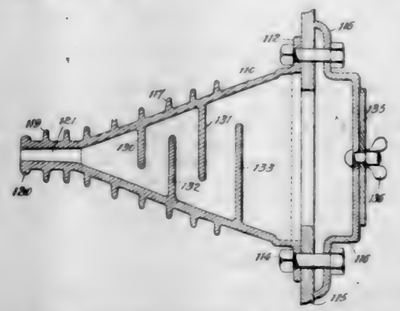
1,565,674. COAL CARBURETOR. DAVID WENTWORTH ROBB, Amherst, Nova Scotia, Canada. Filed Jan. 19, 1923. Serial No. 613,747. 4 Claims. (Cl. 110—75.)



1. A coal carburetor consisting of a conoid and an integral flat arcuate portion, the latter having a narrow slotted nozzle, a plurality of baffles extending from the central portion only of the upper wall of the conoid, and additional baffles staggered with respect to the first mentioned baffles for causing the air passing from the entrance of the carburetor to the center of the nozzle to travel in a tortuous path while permitting free passage of the air from the entrance to the sides of the nozzle.

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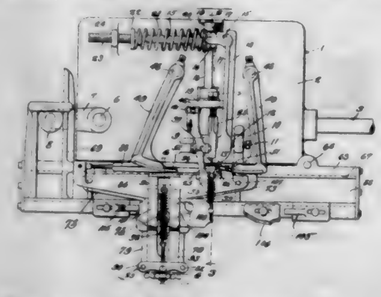
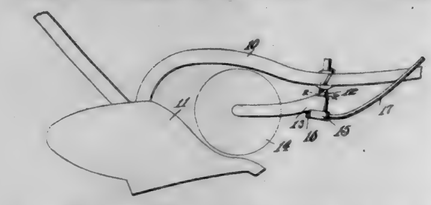
1,565,675. MACHINE FOR SETTING AND FILING SAWS. EDGAR L. ROOT, Defiance, Ohio. Filed Nov. 28, 1922. Serial No. 603,785. 4 Claims. (Cl. 76—33.)



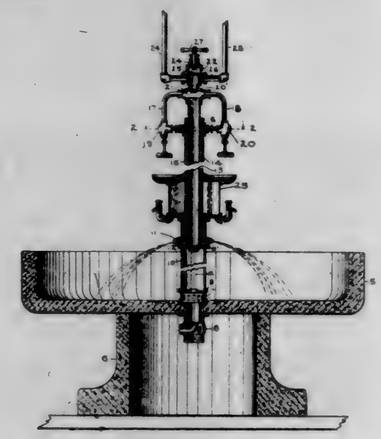
1. The combination with saw gripping means, of a carriage mounted for reciprocation, a guide extending therefrom, separate heads slidably mounted relative to the guide, sharpening files carried by the respective heads, arms extending from the respective heads, an equalizing link pivotally mounted on the arms, yielding means engaging the link for holding the arms normally pressed toward the saw, adjustable means for limiting the movement of said arms toward the saw, a slide shiftable with one of the heads and movable bodily relative to both heads, means operated by the movement of the slide in one direction relative to the head for withdrawing one of the files from the saw, means operated by the movement of the slide in the opposite direction for withdrawing the other file from the saw, and stationary means in the path of the slide for producing relative movement of the slide and heads during the completion of the respective movements of the carriage.

1,565,676. COLTER ATTACHMENT. HARRY H. SANDMAN, Havana, Ill. Filed May 28, 1924. Serial No. 716,394. 1 Claim. (Cl. 97—193.)



A weed deflector for use in connection with the stem and fork of a plow colter comprising an upwardly curved deflector arm having a collar on one end thereof, means for adjustably securing said collar to said stem and a lug extending from one end of the collar in parallel relation to the axis of the collar at a point diametrically opposite to said arm and arranged to lie within the bifurcation of said fork, whereby to limit the side swing of said colter fork.

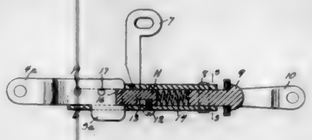
1,565,677. OVERHEAD-SUPPLY WASHFOUNTAIN. LOUIS SCHLESINGER and HERMAN E. HEINE, Milwaukee, Wis., assignors to Bradley Washfountain Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 17, 1925. Serial No. 37,782. 5 Claims. (Cl. 4—191.)



1. An overhead supply washfountain, comprising a standard having a basin thereon, a tubular member extending upwardly from the basin, a fountain mounted on the tubular member and having a line of spray openings, another tubular member connected to the fountain and surrounding the first mentioned tubular member and extending upwardly from said fountain to form a water conduit between the two tubes, a mixing chamber above the tubular member, and valved controlled means for supplying water to the mixing chamber.

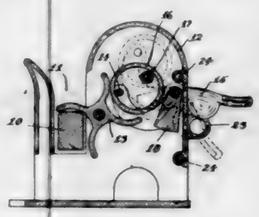
1,565,678. LOCKING CHAIN SNAP. ELMER SEVERSON, Deerfield, Wis. Filed Sept. 2, 1925. Serial No. 54,158. 1 Claim. (Cl. 24—230.)

In a device of the kind described, a square tubular frame with the forward top portion removed and a mortise through the bottom plate adapted to receive the tang of a latch, a plurality of aligned mortises through both top and bottom plates, one for admitting a key, and the other for disposing a pin for securing a headed bolt within the rear end of the frame, for revolubly mounting a clevis for attaching to a chain, a latch with the outer end bifurcated for attaching a chain, and the inner end provided with a notched tang adapted to seat in the mortise in the bottom of the frame, a



slidable bolt disposed within the frame the rear end contacting a spring between it and the front end of the headed bolt, and the front end adapted to enter the notch in the latch, a channel in one side of the bolt for admitting a key, and one in the bottom to receive a screw for restricting the forward movement of the same, in combination with a key for unlocking the latch.

1,565,679. SWITCH-STAND LOCK. LARKIN R. SHAFFER, Garland, Utah. Filed Feb. 4, 1925. Serial No. 6,824. 6 Claims. (Cl. 70—128.)



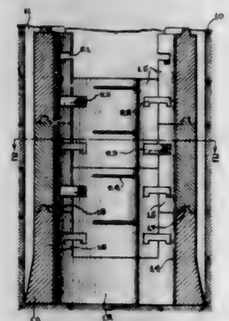
1. In a switch stand lock, the combination of a casing, a switch lever associated with the casing, a latch comprising a plurality of arms journaled in said casing, one of said arms being adapted to engage the lever, an abutment within the casing adapted to be engaged by another of said arms to hold said latch in its lever locking position, and means for removing said abutment to free the latch arms and switch lever.

1,565,680. SAFETY RAZOR. WESLEY L. SILVERWOOD, Baltimore, Md. Filed May 25, 1925. Serial No. 32,754. 4 Claims. (Cl. 30—12.)

1. In a safety razor a substantially rectangular clamping plate and a relatively large rib extending transversely of said clamping plate so as to cause the skin to be formed into one or more ridges when the razor is in use, thereby simulating the ordinary process of shaving with an old style razor.



1,565,681. WELL CASING. KRISTEN SONDERBY, Rockford, Ill. Filed May 4, 1925. Serial No. 27,940. 10 Claims. (Cl. 72—12.)

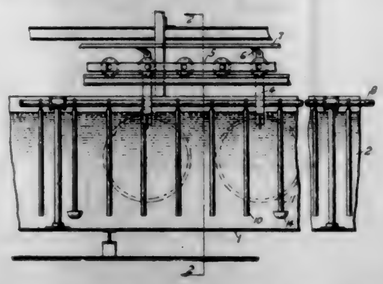


1. A well casing comprising a base, a plurality of interlocking sections upon said base, means for locking said sections together to form an integral unit, and a plurality of steps secured to a predetermined number of said locking means to permit ingress or egress of the casing.

1,565,682. COMPOSITE PAVEMENT OR ROADWAY AND METHOD OF CONSTRUCTING THE SAME. CHARLES M. STRAHAN, Athens, Ga., assignor of one-half to Sam E. Finley, Atlanta, Ga. Filed Mar. 7, 1923. Serial No. 623,481. 10 Claims. (Cl. 94—6.)

1. The method of constructing roadways, pavements and the like which comprises forming hollow cellular units with closed sides and bottoms in the body of the road structure of waterproof cementitious material in sheet-like form, packing the cellular units with a filling material, and applying a cover of waterproof material to the cell units.

1,565,683. METHOD AND APPARATUS FOR ELECTROPLATING. JOSEPH G. SWAIN, Akron, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 12, 1923. Serial No. 674,119. 9 Claims. (Cl. 204—18.)

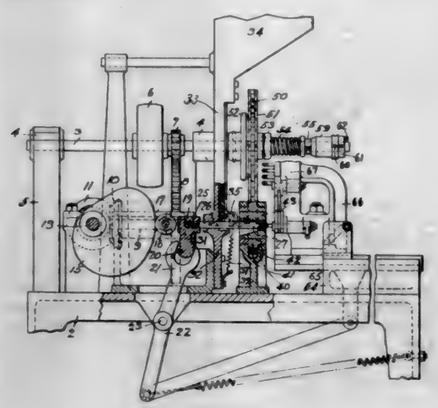


1. In a process of electroplating, the steps of subjecting the article to be electroplated to an electrolyte charged simultaneously from anodes of zince and metallic mercury.

1,565,684. APPARATUS USED FOR THE STERILIZING OF TOOTHBRUSHES AND SIMILAR ARTICLES. VICTOR JULIEN MARIE THÉSÉE, Brest, France. Filed May 21, 1923. Serial No. 640,469. 1 Claim. (Cl. 206—15.1.)

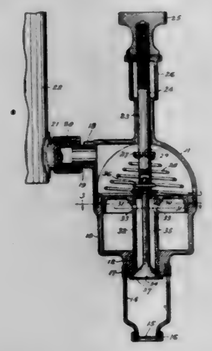
A sterilizer for tooth brushes including an open ended hollow prismatic body of polygonal shape in cross section formed of glass free from lead, one of the walls of the body being relatively wide and flat to serve as a support when the body is in a horizontal position and the opposite wall being of convexed formation while the remaining portions are concaved, the ends of the body being annular, perforated caps for removably closing the ends of the body, a second cap arranged in spaced relation to and engaged by one of the first mentioned caps, and a relatively small sterilizing substance containing vessel arranged in the space between the last mentioned caps and having a perforated cover, substantially as and for the purposes set forth.

1,565,685. MACHINE FOR APPLYING NUTS TO BOLTS. HANSON THOMAS, Pittsburgh, Pa. Filed Nov. 20, 1920. Serial No. 425,446. 3 Claims. (Cl. 10—155.)



3. In a machine for assembling nuts and bolts, the combination with a rotatable member for supporting a nut in screwing-on position, a support for a bolt, means for moving a bolt carried by said support to nut receiving position, means for rotating said rotatable member, yieldable driving means for said member, and adjustable means for varying the pressure exerted by said driving means to render the same inoperative when the resistance to screwing on movement reaches a predetermined degree.

**1,565,686. DISPENSING VALVE.** THOMAS L. TITUS, Omaha, Nebr. Filed Jan. 24, 1925. Serial No. 4,559. 7 Claims. (Cl. 221—103.)



1. In a device of the class described, a casing having a cylinder portion and a reduced neck extending from one end of said cylinder, a piston fitting slidably in said cylinder portion and having a tubular stem fitting slidably in said neck, said piston and tubular stem having valve-seats formed at opposite ends of the passage through the same, there being ports through the side of the stem connecting the cylinder-space with said passage intermediate said valve-seats, and a pair of valves connected for coincident movement and adapted to engage the respective valve-seats to close alternatively the ends of the passage through the piston and tubular stem.

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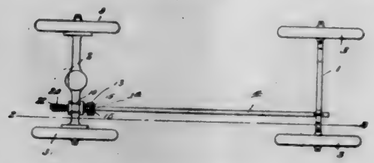
**1,565,687. TIRE-DEFLATION SIGNAL APPARATUS.** JOHN W. TOMLINSON, St. Petersburg, Fla. Filed Nov. 3, 1922. Serial No. 598,713. 1 Claim. (Cl. 200—58.)



A flat tire detector for an automobile, comprising a bar adapted to be disposed transversely of both axles of the automobile, means for fixedly securing the bar to one axle, means for connecting the bar with the other axle whereby the bar may have rotary movement in respect to the last mentioned axle, a bifurcated terminal carried by the last mentioned axle, and a terminal mounted upon the bar and disposed transversely of the bifurcated terminal, the last mentioned terminal being disposed between the bifurcations, and normally spaced from the inner edges of the bifurcations.

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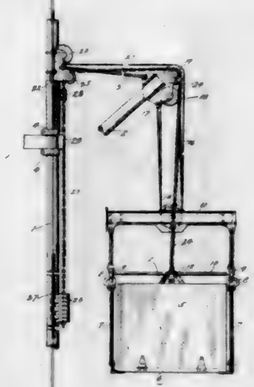
**1,565,688. BATCH-BOX-HOISTING APPARATUS.** EMIL L. TRANAAS, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed July 3, 1922. Serial No. 572,546. 14 Claims. (Cl. 212—41.)

1. In combination, a crane comprising a boom, a mast on which said boom is hung equipped with a stationary hook, a dumping box for carrying a batch of material from one place to another and having dumping means for discharging the material therefrom, grappling devices for the said box, hoisting means on the crane connected with said devices and including a flexible part movable up and down as the box is moved up and down, and a



stop member carried by said flexible part adapted to be thrown into and out of cooperative relation to the said hook by a swinging movement of the crane substantially as described.

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**1,565,689. PROCESS OF TREATING ORES.** WILLIAM R. VAN SLYKE, Eveleth, Minn. Filed Mar. 7, 1921. Serial No. 450,624. 3 Claims. (Cl. 75—14.)

1. The process of treating iron ores comprising sintering the burden to produce a porous structure therein, adding a nonporous fuel thereto and smelting the charge to recover the iron-content.

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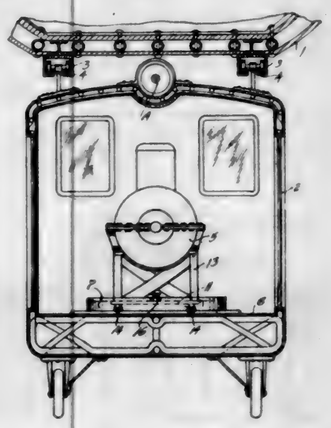
**1,565,690. ENGINE MOUNTING.** EBER H. VAN VALKENBERG, Monroe, Wash., assignor of one-half to Oscar Silverstein, Spokane, Wash. Filed Apr. 27, 1925. Serial No. 26,079. 4 Claims. (Cl. 244—25.)



1. In an engine mounting the combination with a stationary arcuate track and an oscillatable bearing head and means for centering said head on its vertical axis, of an engine having a base plate supported in said track, a propeller shaft operated by the engine and journaled in said head, and a propeller on the shaft.



**1,565,691. ELECTRODE FOR USE IN THE CONTACT PROCESS OF MAKING SULPHURIC ACID.** FRANZ VORLÄNDER and HERMANN WEBER, Wolfen, Kreis Bitterfeld, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed June 29, 1925. Serial No. 40,450. 7 Claims. (Cl. 185—7.)

1. In the art of making sulphuric acid by the contact process, an electric precipitator the electrodes of which are composed of frame elements carrying a coat of lead, the frame elements consisting of material which does not react upon sulphuric acid evolving hydrogen.

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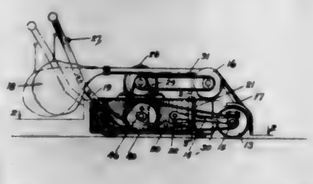
**1,565,692. FLOOR-DRESSING MACHINE.** GUY C. WALTER, Denver, Colo. Filed June 24, 1924. Serial No. 722,099. 4 Claims. (Cl. 51—176.)



1. In a floor dressing machine, the combination of a carriage, a jack-shaft thereon, a motor having a driving connection with the jack shaft, a worm-gear to propel the carriage by movement of the shaft, a clutch controlling the operation of the gear, mechanism for the operation of the clutch, including a sliding cam member in operative connection with the clutch, a rotary cam-member in spring-urged engagement with the other, a lever fulcrumed on the carriage, and means for rotation of the rotary cam member by movement of the lever.

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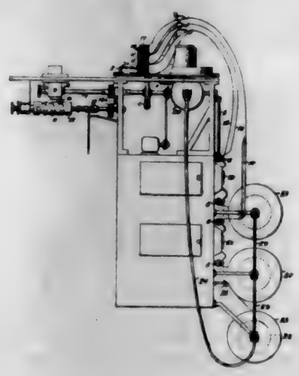
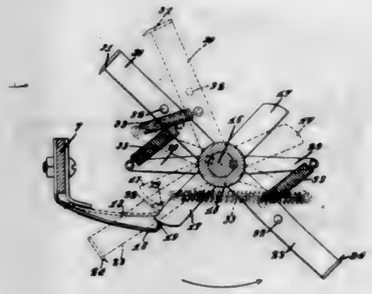
**1,565,693. CINEMATOGRAPHIC-FILM PRINTER.** EDWARD JOHN WAY, Johannesburg, Transvaal, South Africa. Filed Apr. 23, 1923. Serial No. 634,188. 3 Claims. (Cl. 95—75.)



1. In combination with a machine, such as a film printing machine adapted for operating on several films together and including film feeding mechanism, a rotatable carrier, adapted to carry several film coils, means geared to said film feeding mechanism for rotating said carrier to cause delivery of film from film coils on the carrier at the same linear rate at which the film is fed by the feed mechanism, and means for winding simultaneously several films which have passed through the machine.

**1,565,694. COTTON CHOPPER.** HENRY F. WEAVER, Ezra, Ill. Filed Apr. 28, 1924. Serial No. 708,471. 4 Claims. (Cl. 97—15.)



1. A cotton chopper including a frame rotatable shaft, arms rotatable therewith and mounted for limited independent rotation, a cutting element carried by each arm, springs for yieldingly swinging the arms in predetermined positions relative to the shaft, separate means upon the frame and cooperating with the arms for separately retarding said arms during the rotation of the shaft to increase the tension of the springs, and means rotating with the shaft for releasing the restrained arms.

4. In a cotton chopper the combination with a rotatable shaft, of arms mounted for limited independent rotation upon the shaft, cutting elements carried by the arms, springs attached to the arms for holding them yieldingly against independent rotation, resilient restraining means extending close to the path of the arms, means on the arms for engagement with the restraining means for holding the arms successively against rotation with the shaft and to place the springs under increased tension, and means rotatable with the shaft for shifting the restraining means to release the held arm for actuation by its tensioned spring.

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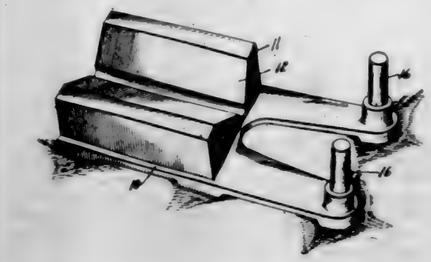
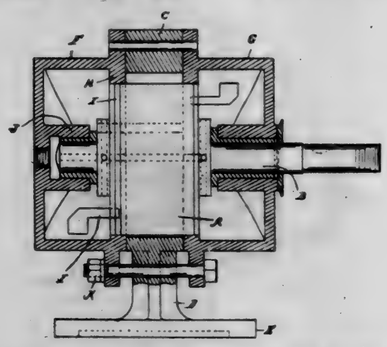
**1,565,695. WORK-TESTING FIXTURE.** OSCAR A. WEBSTER, Edgewood, R. I., assignor to Allen Wrench & Tool Company, Providence, R. I., a Corporation of Rhode Island. Filed Apr. 1, 1921. Serial No. 457,601. 6 Claims. (Cl. 33—180.)



1. A work-testing fixture comprising a frame having an elongated body portion with a finished testing surface disposed longitudinally thereof for supporting one end of the work to be tested, and a pair of cooperating spaced-apart standards on said frame having testing surfaces extending at right angles to the testing surface of said body portion and spaced therefrom in the direction of its length.

1,565,696. ROTARY PUMP. THOMAS C. WHITEHEAD, Detroit, Mich. Filed July 23, 1923. Serial No. 653,284. 9 Claims. (Cl. 230—30.)



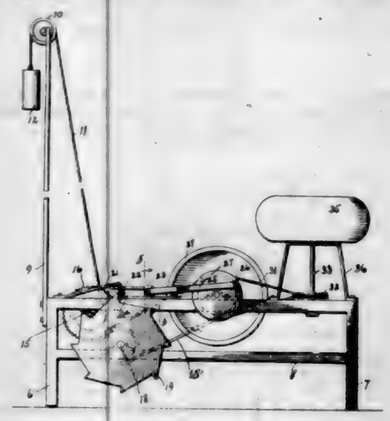
1. A rotary gas pump comprising a rotor having one or more radial blades slidably connected therewith and of a length less than the length of the rotor, a housing for the gas surrounding said rotor having an eccentric wall with which said blades contact, and concentric portions containing oil on the opposite ends of said eccentric portion surrounding the end portions of the rotor, and sealing rings mounted upon and movable with said rotor engaging said surrounding concentric wall of the housing.

1,565,697. TAMPING TOOL. WILLIAM C. WOLFE, Anderson, Ind. Filed Mar. 20, 1925. Serial No. 17,006. 6 Claims. (Cl. 104—14.)

1. A tool of the character described, including a spade-like member having a passage therethrough, a flexible hose communicating with said passage for conducting fluid under pressure therein, and a flared bottom to said member having an eolngated slot adjacent thereto in communication with said passageway for directing the fluid laterally for engaging said material.

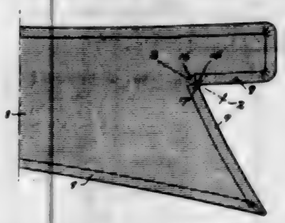
1,565,698. CREAM-TESTING MACHINE. HARRY A. WRIGHT, Hillsboro, Ohio. Filed Oct. 8, 1921. Serial No. 506,476. 3 Claims. (Cl. 185—27.)

1. An apparatus of the class described comprising a supporting frame, a vertical standard and pulley mounted thereon, said standard secured to the frame, a cable having a weight attached to one end and wound over said pulley, a horizontal shaft and reel rotatable thereon for receiving the wound cable, ratchet and pawl mechanism for preventing retrograde movement of the wound reel, a driven shaft and meshed gearing whereby the same may be operated by the reel, a spring held ratchet wheel supported on one end of the driven shaft, a reciprocating slide for releasing the holding spring of said ratchet wheel, a power shaft supported on the frame, a rotatable member secured to one end of the power shaft, a



balance wheel mounted on the opposite end of said power shaft, a pitman pivoted at one end of the rotatable member and at its opposite end to the slide an operating arm carried by the slide and disposed in the path of the teeth on the spring held ratchet wheel, a pulley on the power shaft, a vertical shaft and pulley thereon supported on the frame, and a cross cable trained about said pulleys whereby centrifugal force may be communicated to a member on said vertical shaft.

1,565,699. METHOD OF FOLDING THE EDGES OF COLLARS FOR PERSONAL WEAR. ALEXANDER F. ZAKRZEWSKI, Green Island, N. Y. Filed Aug. 1, 1925. Serial No. 47,395. 2 Claims. (Cl. 2—143.)



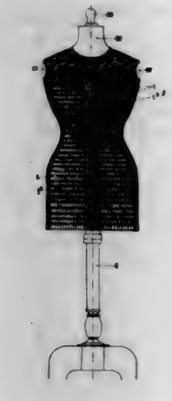
1. A method of folding fabric at the edge of a reentrant angle therein comprising the preliminary folding over of a narrow section of the fabric at said angle, and subsequently slitting the remainder of the edge fold in a line bisecting said angle.

1,565,700. ADJUSTABLE DRESS STAND. HENRI ZILBERSTEIN, Paris, France. Filed Feb. 12, 1923. Serial No. 618,486. 2 Claims. (Cl. 223—18.)

1. An adjustable dress stand comprising: a plate forming the base of the bust,—adjustable arms radially mounted in the plate,—means for securing these arms in position,—an air chamber having the shape of the bust of a dress stand of reduced dimensions resting on the plate,—an inflating valve on the said chamber,—a

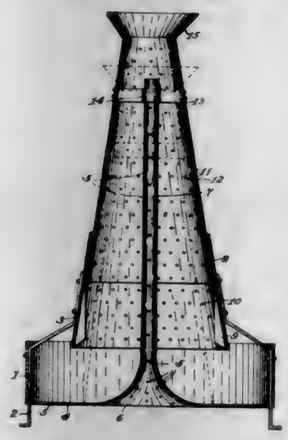


member forming the neck and members forming the shoulders of the bust,—an extensible carcass covering the air chamber and formed by springs connected to-



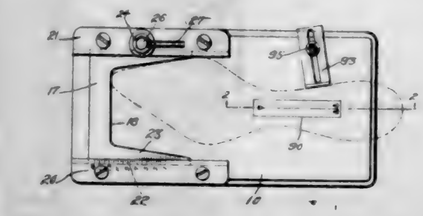
gether as well as to the arms of the plate and to the neck and shoulder members of the bust,—means for obtaining, by the inflation of the air chmaber, a bust exactly reproducing that of a given person.

1,565,701. GRAIN SPROUTER. HENRY APPEL, Waterloo, Iowa. Filed Sept. 8, 1924. Serial No. 736,587. 1 Claim. (Cl. 47—14.)



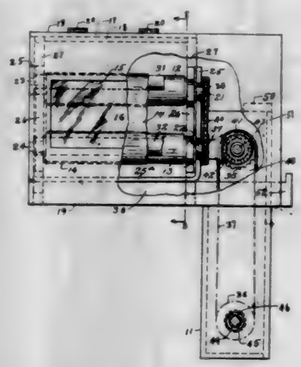
A grain sprouter, comprising in combination, an open top receptacle, an apertured tubular ventilator open at upper and lower ends with its lower end opening through and fixedly mounted in the bottom of said receptacle, a hollow frustal body fixedly mounted centrally above said receptacle and spaced therefrom at the bottom and sides, parallel vertical guide flanges mounted on the inner wall of the frustal body, another hollow frustal body mounted telescopically within the lower frustal body first-mentioned to have its open lower end slide between and in contact with said guide flanges to guide it centrally while subsiding, an apertured bearing member mounted across the upper inner end of the second-mentioned frustal body to slidingly fit the said tubular ventilator, and both frustal bodies and the bottom of the receptacle being numerously minutely apertured for ventilation purposes.

1,565,702. APPARATUS FOR LOCATING SHANK STIFFENERS IN SHOE SOLES. REINHARD E. BARTELS, Lynn, Mass. Original application filed Apr. 26, 1920, Serial No. 376,633. Divided and this application filed May 17, 1922. Serial No. 561,592. 5 Claims. (Cl. 33—180.)



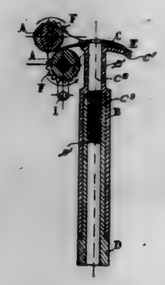
1. A device for locating a shank stiffener with its forward end at a desired point on a shoe sole, comprising a plate on which the sole is placed, said plate having a recess adapted to receive the shank stiffener, and an adjustable slide on said plate, whereby when the slide is adjusted for a given size and style of sole, and the toe of the sole of said size and style abuts thereagainst, the point will lie at the forward end of said recess.

1,565,703. NEXT-STOP-INFORMATION SIGN IN PASSENGER TRAINS. WOLF BERMAN, New York, N. Y. Filed May 24, 1923. Serial No. 641,166. 9 Claims. (Cl. 40—86.)



1. In a changeable stop sign of the class set forth, the combination of a casing comprising two vertical side rails each having notches formed at its front edge, one above the other, a pair of bearing blocks fitted removably in said notches, a pair of main rollers journaled horizontally in the bearing blocks aforesaid, a flexible strip for stop names attached to and rolled upon the respective rollers, a window arranged in front of the rollers through which the names are readable in succession, guiding means to maintain the reading space of the strip at a constant position with respect to the window, and means under the control of an operator for rotating the rollers in either direction for adjusting the strip according to the stops.

1,565,704. SELF-SETTING SAFETY RAZOR. RAOUL BOIZARD, Paris, France. Filed Dec. 10, 1924. Serial No. 755,015. 10 Claims. (Cl. 30—12.)



1. A self-stropping safety razor, comprising a handle, a blade holder at one end thereof, and a sharpening device adapted to directly engage and sharpen both faces of the adjacent edge of a blade disposed in normal shaving position in the holder.

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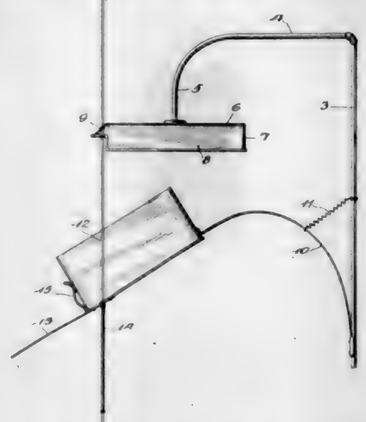
1,565,705. AUTOMATIC CONTROL WINDING MECHANISM FOR CLOCKS. JOHN MONROE BONER, Evansville, Ind. Filed Aug. 9, 1924. Serial No. 731,175. 2 Claims. (Cl. 58—41.)



1. A clock mechanism comprising a drive shaft, a driven shaft, a drum, differential means connecting said drive shaft to said drum, and said drum to said driven shaft, said drum housing said means, means for rotating said drum to actuate said driven shaft, said last named means comprising a cable attached to and wound about said drum, a weight secured to the free end of said cable, electrically controlled means for actuating said driving shaft, a switch for connecting said means with a source of current, said switch being actuated by the lateral movement of said cable as said cable is wound or unwound from said drum.

1,565,706. RURAL MAIL BOX. MILFORD M. BROWER, Seattle, Wash. Filed Nov. 5, 1924. Serial No. 747,944. 6 Claims. (Cl. 232—40.)



2. A device of the class described comprising a standard, a cover fixedly carried by the standard, a receptacle, and means resiliently supporting the receptacle from the standard, said means being adapted to permit the receptacle to move bodily toward and away from the cover.

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1,565,707. FENCEPOST. JOSEPH E. BROWN, Maquoketa, Iowa. Filed June 11, 1925. Serial No. 36,484. 1 Claim. (Cl. 256—48.)

A fence post comprising front and side members, flanges extending laterally from the respective side members, said front member being provided with a series of spaced transversely extending fence wire guide slots, the side members being provided with vertically extending fence wire receiving slots, communicating at their upper ends with the respective guide slots, the inner face of the front member adjacent the vertical slots formed in the side members being cut away whereby the base of the cut away portions will support the fence wires, and a series of spring tongues secured at their upper ends on the inner face of the front member, the lower free ends of the tongues extending over the respective guide slots.



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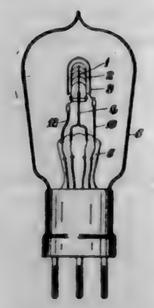
1,565,708. THERMIONIC VALVE. WILLIAM RICHARD BULLIMORE, London, England. Filed Oct. 11, 1922. Serial No. 593,849. 8 Claims. (Cl. 250—27.)



1. A thermionic valve comprising a vitreous container, an arched cathode filment, a hollow grid electrode enclosing said filament and having flat sides meeting along a curved edge disposed parallel to said filament, an anode of similar shape to and of larger dimensions than said grid electrode enclosing said filament and grid electrode and means for independently and rigidly supporting all of said electrodes from a reentrant tube in said vitreous container.

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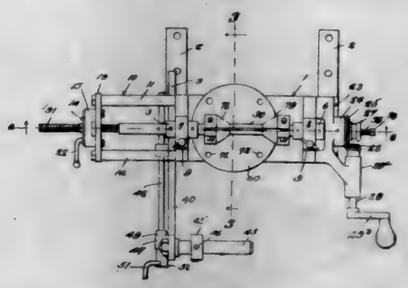
1,565,709. REAMING MACHINE. JOHN BURGH, Denver, Colo. Filed July 18, 1922. Serial No. 575,796. 3 Claims. (Cl. 77—2.)



1. In a machine of the class described, a supporting frame, a cutter bar mounted for longitudinal movement therein, actuating means for said bar, a longitudinally slotted work supporting arm, headed screws extending from said frame through the slot in said arm to provide for its longitudinal adjustment, cooperating means carried by said arm and frame for adjusting the arm, and a right angularly extending shaft carried by the arm to support the work.

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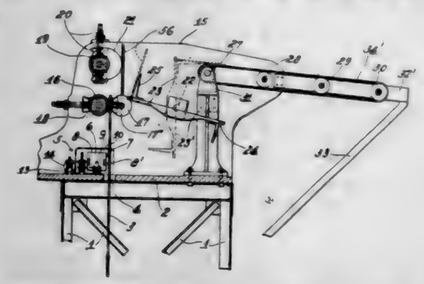
1,565,710. BREAKING AND TRANSFERRING MECHANISM FOR SHEET-GLASS-DRAWING MACHINES. THOMAS B. CAMPBELL, Jr., Pittsburgh, Pa. Filed Apr. 11, 1923. Serial No. 631,330. 11 Claims. (Cl. 49—3.)

11. The combination with a vertical glass drawing machine and a carrier device extending laterally from the line of draw, of a transfer device in the form of a flat sided member mounted for rotation below the carrier



and having projecting supporting ledges at the ends of each of the sides of the member.

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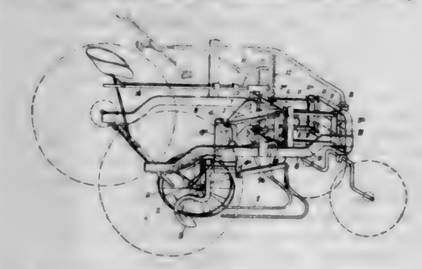
1,565,711. MACHINE FOR TOPPING ROOT CROPS. JAN ČERVINKA, Prague, Czechoslovakia. Filed Feb. 13, 1925. Serial No. 8,969. 5 Claims. (Cl. 55—107.)



1. A machine for topping root crops, comprising in combination a main frame, a system of links forming a parallelogram pivoted to the said main frame, so as to be capable of swinging horizontally and vertically, a second frame pivotally attached to the said system of links and a pair of sledge runners, a pair of guide members and a topping knife mounted on the said second frame, as set forth.

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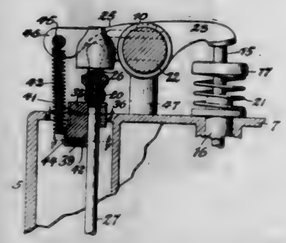
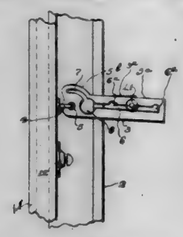
1,565,712. SILENCER FOR GAS-ENGINE-VALVE MECHANISM. GEORGE H. CHARNOCK, Buffalo, N. Y. Filed Feb. 6, 1923. Serial No. 617,360. 10 Claims. (Cl. 123—90.)



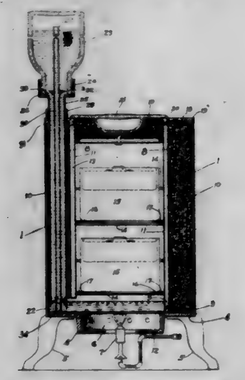
9. A take-up device for gas engine valve mechanism comprising a U-shaped yoke adapted to straddle a push rod and bear against a shoulder thereon, and provided on the inner sides of its legs with opposing recesses, a coupling block secured in the recesses of said legs and engaging the adjacent side of said rod, and a spring for lifting said block and yoke.

1,565,713. DOOR-LOCKING DEVICE? NIELS CHRISTIANSEN, Newport News, Va. Filed Mar. 7, 1924. Serial No. 697,557. 8 Claims. (Cl. 292—265.)



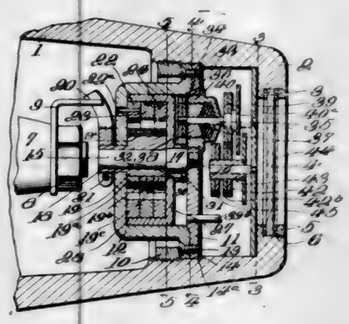
1. A device for holding a door ajar and for locking the same in closed position embodying two units, one of said units comprising an attaching member including a pivot element, and an arm connected adjacent one end with the said pivot element, said arm having a longitudinal slot formed in one wall with a series of notches, the slot adjacent the pivoted end of the arm, having an arcuate terminal branch, one wall of the said slot, substantially at the juncture of the slot and its branch having a recess therein of dimensions greater than the width dimension of the slot, the other unit comprising an attaching member, a stud extending therefrom for sliding engagement in the slot and the branch thereof, and a head upon the stud of a diameter greater than the width dimension of the slot and less than that of said recess in the wall of the slot, the stud being engageable in the branch of the slot when the arm is suspended from its pivot, to lock the door in closed position, and being engageable selectively in the notches in the wall of the slot when the arm is extended outwardly from its pivot, to hold the door ajar, the head of the stud being engageable through the recess in the wall of the slot to provide for disengagement of the arm from the stud to render the device inactive and permit of free opening and closing of the door.

1,565,714. COOKER. CLAUD J. CLEFTON, Owatonna, Minn., assignor, by mesne assignments, to Ruth P. Clefton, St. Paul, Minn. Filed Dec. 27, 1920. Serial No. 433,299. 2 Claims. (Cl. 53—2.)



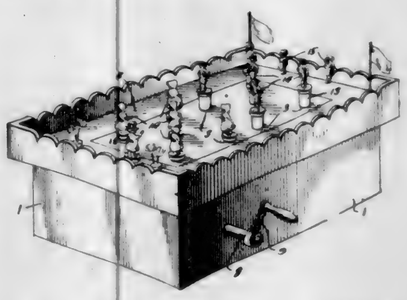
1. A cooking unit having in combination a casing, a cooking compartment therein, a heating element to heat water in the compartment, a tubular waterway adapted to be inserted in the casing and to extend from the casing exterior to the compartment, a hermetically sealed water container adjacent the upper end of the waterway and opening thereinto, an air vent member extending longitudinally in the waterway and connecting the container interior and the compartment, the upper end of the vent member being above the lever of the water in the container and its lower end substantially at the normal level of water in the compartment whereby water passes through the waterway when the lower end of the air vent member is uncovered and automatic maintenance of the normal water level is assured, and a valve exteriorly carried by said air vent to close said waterway and adapted to be opened when the waterway is inserted in the casing.

1,565,715. REVOLUTION COUNTER AND TOTALIZER. JAMES M. DAYTON, Hartford, Conn., assignor to The Dayton Manufacturing Company, Torrington, Conn., a Corporation of Connecticut. Filed Dec. 15, 1924. Serial No. 756,016. 6 Claims. (Cl. 235—95.)



4. In a revolution counter, a registering train, a frame, an element having a rotative movement relative to said frame, and devices to transmit said movement to said train including internally meshed gear trains and selective clutches therefor to reduce the ratio of transmission and to rectify movement resulting from the reverse rotation of said element.

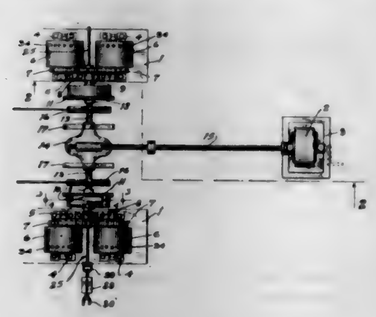
1,565,716. JUMPING-FIGURE TOY. CARL A. DIEDERICHS, Pittsburgh, Pa. Filed June 2, 1925. Serial No. 34,458. 3 Claims. (Cl. 46—40.)



1. In a toy, the combination of a box having apertures through its top, a series of rods extending transversely thereof and rotatably mounted in its side walls, gears mounted on each of the rods, said gears being in mesh with each other, means for actuating one of the rods, plates affixed to each of the rods and revolving therewith, plates mounted on the first mentioned plates and freely movable vertically, posts removably mounted on said second named plates, and extending through said apertures, and dolls mounted on the posts.

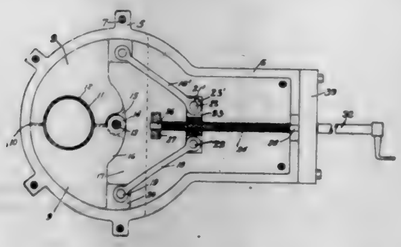


1,565,717. BRAKE-TESTING MACHINE. PAUL J. DONAVAN, Los Angeles, Calif. Filed Feb. 19, 1925. Serial No. 10,222. 7 Claims. (Cl. 265—25.)



1. In a machine for testing automobile brakes, in combination, two spaced pairs of rollers, said rollers being rotatable about parallel axes, each pair being adapted to support one of the rear wheels of an automobile, a source of power, means for connecting the source of power to the rollers for the purpose of rotating the rollers in the same direction, said connecting means comprising, a differential mechanism having two axially aligned shafts adapted for independent rotation, means for connecting each of said shafts to a pair of rollers, a brake mechanism applied to each of said shafts and a dynamometer between each brake mechanism and the corresponding set of rollers whereby the power transmitted to each set of rollers may be measured.

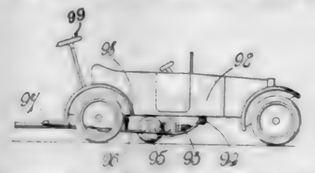
1,565,718. SAFETY DEVICE FOR OIL WELLS. EDWARD DORMAN, Houston, Tex. Filed Dec. 31, 1923. Serial No. 683,689. 4 Claims. (Cl. 166—15.)



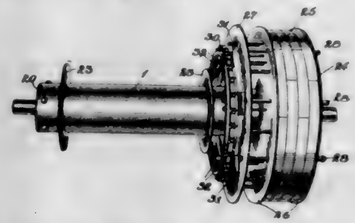
1. In a device of the character described, a well casing, a housing thereon, a valve therein comprising two interfitting, cooperating, arcuate plates pivoted on a common axis to swing toward or away from each other to close or open the passage from said casing through said housing, a threaded shaft in said housing, a nut on said shaft, links connecting said nut and said valve plates, and means to rotate said shaft from a distance.

1,565,719. PERAMBULATOR OR BABY CARRIAGE. WILLIAM HENRY DUNKLEY, Birmingham, England. Filed Feb. 14, 1923. Serial No. 618,979. 2 Claims. (Cl. 180—11.)

1. The combination of a child carrying body having road wheels, a platform pivotally mounted beneath said body and extending rearwardly to provide a stand for an attendant passenger, a power unit on said platform, means carried by said power unit for transmitting the drive to the ground, and means for normally suspending the platform out of contact with the ground but allow it to be moved into contact therewith by the attendant passenger.

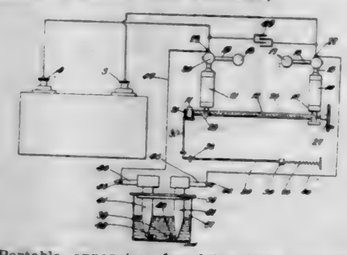


1,565,720. PONY BULL WHEEL. WALKER S. ESTES, Tulsa, Okla. Filed Jan. 17, 1924. Serial No. 686,900. 6 Claims. (Cl. 242—117.)



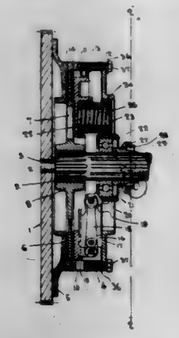
1. A pony bull wheel set, including a shaft, spaced annular members mounted thereon forming a drum, a brake wheel mounted on the shaft, an annular member mounted on the shaft and spaced from the brake wheel, and a plurality of rods connecting the annular member to the brake wheel, the annular member, brake wheel and rods cooperating to form a second drum of greater diameter than the first-mentioned drum.

1,565,721. APPARATUS FOR DETERMINING DIELECTRIC STRENGTH. ALFRED WALKER EMPSON, London, England. Filed Jan. 17, 1923. Serial No. 613,308. 2 Claims. (Cl. 175—183.)



1. Portable apparatus for determining the dielectric strength of oil and other insulating materials comprising in combination a supporting base having mounted thereon an induction coil, terminals serving to connect the primary winding of said coil to a secondary battery, relatively movable electrodes constituting a spark gauge, means for varying the distance between said electrodes, fixed test electrodes, electrical conductors connecting said spark gauge and test electrodes in parallel to the secondary winding of the induction coil, an index, a mechanical connection between one movable spark gauge electrode and the index whereby the said index moves as a function of the variation in the spark gauge gap, a scale over which said pointer moves and calibrations disposed on said scale to denote values in terms of dielectric strength substantially as described.

1,565,722. CLUTCH CONSTRUCTION. EDWIN R. EVANS, Detroit, Mich. Filed Oct. 2, 1922. Serial No. 591,945. 10 Claims. (Cl. 192—68.)



1. In a clutch, the combination with a driving member and a driven member, of a plurality of movable members, of spring means between said movable members for moving one of said movable members against said driven member to hold the latter against said driving member, and levers connecting said movable members and actuated by said spring means for multiplying the force exerted by the latter.

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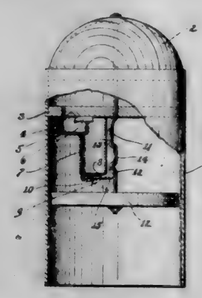
1,565,723. TALKING TOY MECHANISM. FRED EVANS, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated, a Corporation of Delaware. Filed Mar. 21, 1923. Serial No. 626,497. 6 Claims. (Cl. 46—46.)



1. A device of the class described comprising, in combination, an air chamber provided with a collapsible wall, a weight attached to said wall by a rod, the said rod having a plurality of cam humps of different lengths, sound producing means in communication with the interior of said air chamber and sound controlling means in communication with said producing means, said sound controlling means including an orifice, a door therefor, said door being provided with an extension contacting successively with the humps on said rod whereby the movements of said rod will control the position of said door.

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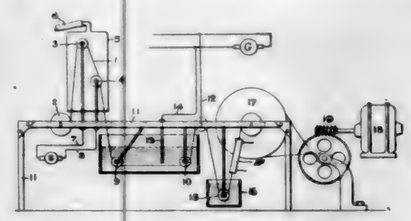
1,565,724. FILAMENT AND METHOD OF MANUFACTURE THEREOF. GORTON R. FONDA, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 29, 1920. Serial No. 399,798. 7 Claims. (Cl. 176—132.)

5. The method of producing a wire consisting of a preponderant amount of a refractory metal and a metal alloyable therewith and capable of diffusing therethrough which consists in providing a wire consisting of a refractory metal with a coating of the alloyable metal



and then heating the coated wire to a temperature sufficiently high to cause alloyage and diffusion of the coating metal throughout said wire.

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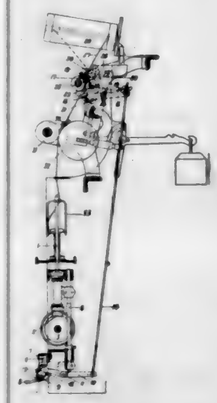
1,565,725. SPINDLE AND ROVE STOPPING ASSEMBLY FOR SPINNING FRAMES AND LIKE TEXTILE MACHINERY. GORDON FRASER, NORMAN FRASER, and JOHN FRASER, Arbroath, Scotland. Filed July 7, 1925. Serial No. 41,954. 4 Claims. (Cl. 118—7.)



1. A spindle and rove-stopping assembly for spinning or similar frames comprising a spindle, a driver therefor, an upper pair of separable rove-feeding rollers, a rove-nipping device above said feeding rollers, a lower pair of rove-drawing rollers, a conductor to said drawing rollers, and pedal-operated connections for disengaging said spindle from said driver and concomitantly therewith closing said nipping device and separating said feeding rollers whereby to cause a break in the rove above said drawing rollers, leaving the rove in said conductor.

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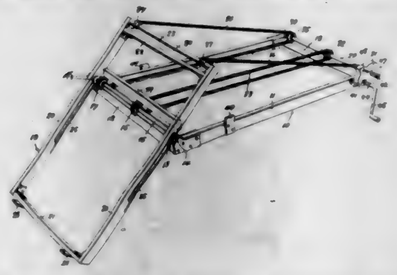
1,565,726. LOADING AND UNLOADING DEVICE. ROBERT C. FRAZA, Dixon, Ill. Filed Jan. 26, 1925. Serial No. 4,853. 2 Claims. (Cl. 298—14.)

1. In a device of the character described, a relatively stationary frame adapted to be mounted upon a vehicle chassis, a shaft journally mounted at the rear end of said frame, a relatively movable frame mounted for longitudinal sliding and vertical tilting upon said stationary frame, an operating shaft journaled at the forward end of the stationary frame, drive elements on



both of said shafts, a flexible member trained about said drive elements, a member carried by said flexible member, means on the movable frame normally engaging



said last-named member, and means connected with said last-named member and the forward end of the movable frame and operatively driven by the second-named shaft for controlling tilting of the movable frame.

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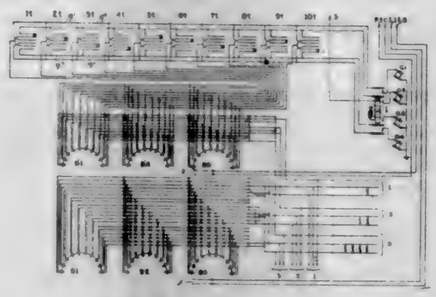
1,565,727. TELEPHONE SYSTEM. HERBERT M. FRIENDLY, Chicago, Ill. Filed Mar. 14, 1917, Serial No. 154,790. Renewed Dec. 19, 1924. 17 Claims. (Cl. 179—17.)



1. In a telephone system, a connector switch, line bank contacts for the connector, ringing contacts for the connector bank corresponding to the line contacts, a plurality of sources of different signaling currents, line and signaling wipers for the connector, a connecting rack for interchangeably connecting said sources of signaling current and the bank ringing contacts, and a connection extending from the signaling wiper to a line wiper for conducting signaling current from the selected bank signaling contact to said line wiper.

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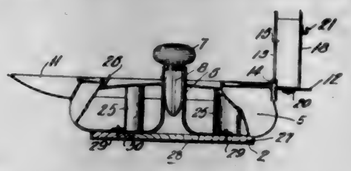
1,565,728. ASH TRAY FOR SMOKERS' USE. CHARLES FREDERICK GAUNT, Birmingham, England. Filed Sept. 25, 1922. Serial No. 590,280. 5 Claims. (Cl. 131—51.)



1. An ash tray for smokers' use consisting of a bowl having an open top and a unit constructed and arranged to be removably positioned within the bowl, said unit consisting of a plate having a plurality of apertures therein, and a plurality of tubes having their upper ends registering with the apertures, said tubes having their lower ends resting upon the bottom of the bowl when in position therein and supporting the plate in horizontal position extending across the bowl adjacent the top thereof.

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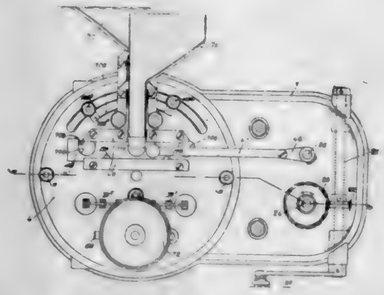
1,565,729. AUTOMATIC MACHINE FOR THE MANUFACTURE OF CAPSULES. LOUIS PIERRE EMILE GENAT, Paris, France. Filed Sept. 17, 1923. Serial No. 663,233. 12 Claims. (Cl. 226—42.)



1. An automatic machine for the manufacture of capsules, comprising a stationary perforated upper plate, a stationary perforated lower plate, a movable perforated intermediate plate, means carried by said upper and intermediate plates for dosing and compressing a determined quantity of material contained in one capsule, means for feeding the lower capsule shells into the perforations of said intermediate plate and of said lower plate successively, means carried by said upper and intermediate plate for feeding the measured quantity of material into said lower shells, means for feeding the upper capsule shells into the perforations of said intermediate plate, and means carried by said lower plate for closing the capsules.

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1,565,730. HEADREST ATTACHMENT FOR CHAIRS. JOHN GILMOUR, Owensboro, Ky. Filed Dec. 3, 1923. Serial No. 678,261. 2 Claims. (Cl. 155—174.)

1. In a head rest attachment for chairs, transversely spaced forked standards adapted to fit loosely over a chair back and having downwardly extending rear members provided with an upper transverse connection bearing a pad and downwardly extending forward lever members one for each of said rear members and having each at its upper end a fulcrum connection with the related rear member and being movable upon their fulcrums in the same plane and parallel to said pad, whereby said

lever members are adapted to cooperate with the transversely curved surface of said chair back to hold the head rest securely in position.

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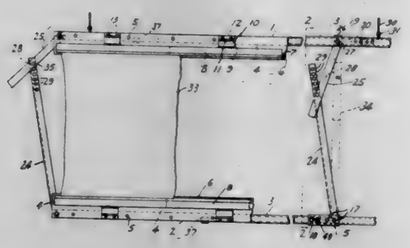
1,565,731. FRAME FOR STRETCHING SHADE CLOTH. LOUIS B. GIRARD, Los Angeles, Calif., assignor to Columbia Mills Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1925. Serial No. 26,424. 4 Claims. (Cl. 211—24.)



1. In a cloth stretching frame a rail comprising a plurality of sections placed end to end, connecting means rigidly secured to one of said sections adjacent the end thereof, means non-rigidly securing said connecting means to the adjacent section so as to permit relative angular displacement between said sections and stop means on said connecting means and on the section to which it is nonrigidly connected adapted to co-operate to limit such relative angular displacement.

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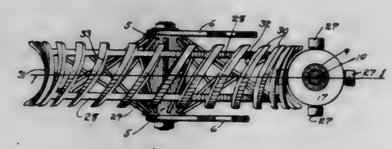
1,565,732. DRIVING MECHANISM. CHARLES F. GODDARD, Denver, Colo., assignor to The Union Machine Company, Denver, Colo., a Corporation of Colorado. Filed Apr. 8, 1920, Serial No. 372,326. Renewed Jan. 24, 1924. 30 Claims. (Cl. 180—74.)



1. In driving mechanism, the combination of a movably supported element providing a substantially open endless zone encompassed by a continuous series of spaced cross bars wholly located exteriorly of said open zone and having diagonally disposed engaging faces, and a second movably supported element providing a continuous series of separately projected roller members so associated with said cross bars as to successively ride longitudinally along a complementary diagonal face thereof with a propelling action.

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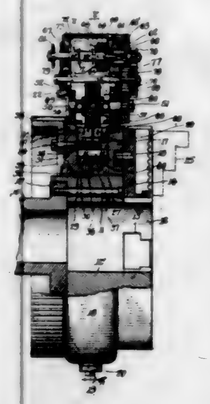
1,565,733. POWER-OPERATED CHUCK. LOUIS E. GODFRIAUX, Madison, Wis., assignor to Gesholt Machine Company, Madison, Wis., a Corporation of Wisconsin. Filed Mar. 16, 1925. Serial No. 15,706. 8 Claims. (Cl. 279—114.)

1. In a chuck, the combination of a spindle, a chuck body mounted on said spindle, jaws carried by said chuck body, a jaw-actuating cam plate, means, including a planetary gear system, normally rotating said cam plate in the same direction and at the same speed as said chuck body, said gear system including a pair of internally toothed ring gears, means normally holding said ring gears against rotation during rotation of the chuck, and power actuated means for effecting rotation



of both said ring gears at differential speeds whereby to rotate said cam plate relatively to the chuck for chucking and unchucking the work.

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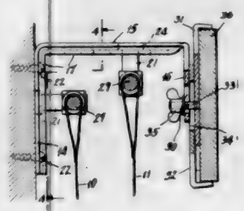
1,565,734. SUPPORTING BRACKET FOR CURTAINS, DRAPERIES, AND THE LIKE. BENJAMIN B. GREENHUT, Astoria, N. Y., assignor of one-third to David D. Grunhut and one-third to Abraham S. Greenhut, both of New York, N. Y. Filed May 9, 1925. Serial No. 29,021. 12 Claims. (Cl. 156—22.)



1. A device of the class described comprising a back plate and top plate and a front plate, all of unitary construction, said back plate and top plate being offset to form a continuous recess through said plates, and said plates having apertures opening outwardly through one side edge thereof and into said recesses, the inner ends of the apertures being enlarged, and coupling members adapted to be mounted in said apertures and retained against displacement from said plates, said coupling members having heads which enter the recess in said plates.

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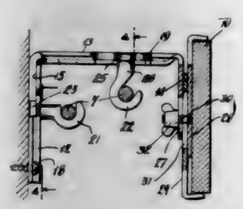
1,565,735. SUPPORTING BRACKET FOR CURTAINS, DRAPERIES, AND THE LIKE. BENJAMIN B. GREENHUT, Astoria, N. Y., assignor of one-third to David D. Grunhut and one-third to Abraham S. Greenhut, both of New York, N. Y. Filed May 9, 1925. Serial No. 29,073. 12 Claims. (Cl. 156—22.)

9. A central supporting bracket for curtain poles and rods, said bracket being fashioned to form a U-shaped body comprising a back member, a top member and a front member, hook-shaped rod supporting devices provided with heads for detachable engagement with the back and top members, and said back and top members



being apertured and recessed to receive the heads of said hook devices to support said hook devices in different positions of adjustment on said back and top members.

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1,565,736. BLUISH SULPHURIZED INDOPHENOL-BENZIDINE DYE AND PROCESS OF MAKING THE SAME. LOUIS HAAS, Paris, France, and EMIL REBER, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed May 7, 1923. Serial No. 637,322. 4 Claims. (Cl. 260—19.)

4. The new dyestuffs obtained by sulphurizing the leuco-derivatives of the indophenols obtained by condensation of nitrosophenols with carbazole in presence of benzidine, constituting in a dry state dark blue powders insoluble in water, soluble in concentrated sulphuric acid with blue colorations, producing with sodium hydrosulphite and caustic soda yellow vats, and with alkali metal sulphides greenish vats, which dye the vegetable fibre in blue shades very fast to washing, to light, and to chlorine.

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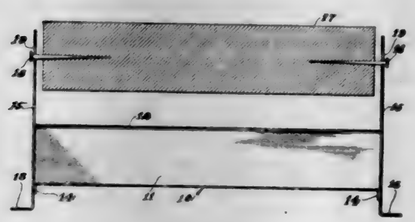
1,565,737. CHICK FEEDER. ABIJAH E. HAMPTON, Pittstown, and CHARLES S. MARSHALL, Baptistown, N. J. Filed Sept. 18, 1922. Serial No. 588,757. 3 Claims. (Cl. 119—61.)



1. A chick feeder comprising a trough; plates secured to the ends of the trough; an angular bar of less length than the distance between and extending above the plates, and pivot pins extending from the ends of the bar supported by the plates and held against transverse movement relative thereto but freely movable upwardly therefrom.

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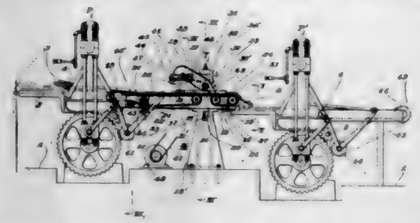
1,565,738. BRICK MACHINE. GEORGE B. HANEY, Ashland, Ky., assignor to Ashland Fire Brick Company, Ashland, Ky., a Corporation of Kentucky. Filed Nov. 28, 1923. Serial No. 677,392. 9 Claims. (Cl. 25—105.)

1. A brick machine comprising in coordinated relation a press, a brick trimmer, a repress, and a brick conveyor, the trimmer being positioned above the conveyor and adapted to remove excess material from the tops



of bricks passing thereunder, and the conveyor comprising a brick-supporting horizontally-moving member passing under the cutter in positively spaced relation thereto.

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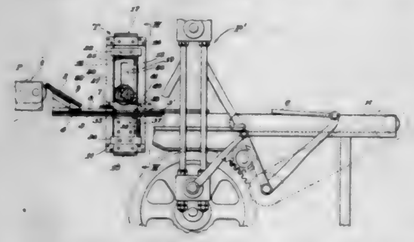
1,565,739. TRIMMING MECHANISM FOR BRICK MACHINES. GEORGE B. HANEY, Ashland, Ky., assignor to Ashland Fire Brick Company, Ashland, Ky., a Corporation of Kentucky. Filed Feb. 29, 1924. Serial No. 695,928. 17 Claims. (Cl. 25—104.)



1. In combination with a press having a feed table and means for feeding the bricks into the press, of a trimmer mounted on the table, the trimmer being so disposed relatively to the press and table that the said feeding means forces the bricks through the trimmer prior to reaching the press and during its continued movement in the same direction to the press.

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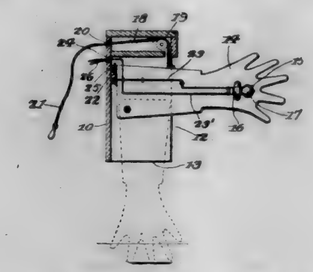
1,565,740. SAFETY ATTACHMENT FOR GAS STOVES. WILLY HANS, New York, N. Y. Filed May 15, 1925. Serial No. 30,528. 2 Claims. (Cl. 126—42.)

1. A gas-stove including a gas supply pipe, a plurality of independent gas-cocks connected to said pipes, each cock comprising a shell, a plug oscillatable in the shell provided with a handle, a pipe section on each shell tapped into said supply pipe, and a pipe section on the opposite side of each shell, a rigid strip placed on top of the pipe sections connecting said shells with said supply pipe, said strip being adapted to bear adjacent its upper longitudinal edge against the handles of said plugs, a rod placed below the other set of pipe sections, a plurality of springs attached at one of their ends to said strip adjacent the lower longitudinal edge of the latter and at their other ends adjacent the upper longitudinal edge of said strip, said springs being carried around said rod, and a detent pivotally mounted upon said rod and provided with a hook-shaped free end adapted to engage said strip.

1,565,741. AUTOMOBILE SIGNAL. ERNEST J. HART, Rochester, N. Y. Filed Mar. 7, 1921. Serial No. 450,125. 1 Claim. (Cl. 116—54.)



An automobile direction signal including a substantially rectangular casing having its outer side partly open and its lower end entirely open, a signal arm pivotally mounted at its inner lower corner in the casing and movable through the said partly open side and open end into and out of signaling position, a transverse wall above the partly open side and having a vertical opening therein, a guide pulley mounted in the casing directly above said opening, and a cord secured to the intermediate portion of the upper outer edge of said arm and extending upwardly through said opening, around said guide pulley, and through an opening in the closed side of the casing.

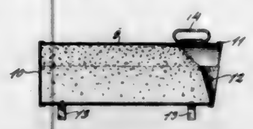
1,565,742. CURTAIN ROD. WILLIAM C. KENNEY, Cranston, R. I., assignor to Kenney Manufacturing Company, a Corporation of Rhode Island. Filed May 13, 1925. Serial No. 29,944. 2 Claims. (Cl. 156—19.)

1. A sectional curtain rod comprising two end members of channel shape cross section having inturned lateral flanges, and formed for telescopic engagement with each other, and a coupling member of similar cross section comprising end portions formed for telescopic engagement with the end members, and laterally tapered resilient shoulders intermediate the end portions adapted to be frictionally embraced by one of said end members.

1,565,743. METALLIC-DOOR STRUCTURE. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 31, 1920. Serial No. 400,399. 12 Claims. (Cl. 296—44.)

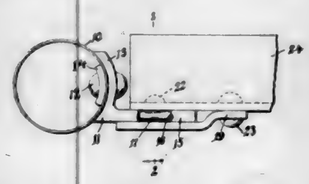
9. In a curtain rod supporting structure, a plurality of stampings cooperating when assembled together to form a holder, a curtain rod socket seated in said holder, and cooperating means on said holder and said socket to prevent relative rotation therebetween.

1,565,744. PORTABLE REFRIGERATOR TANK. CHARLES B. LONGSTRETH, Denver, Colo. Filed Apr. 6, 1925. Serial No. 20,975. 2 Claims. (Cl. 220—1.)



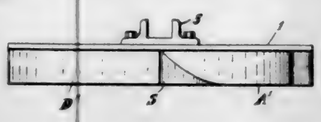
1. A portable refrigerator tank adapted to receive a freezing mixture consisting of broken ice and salt whose volume decreases as it melts, comprising an elongated tubular body member having one end completely closed by a transverse member which forms the bottom when the tank stands vertically, the other end being partially closed by a transverse member that extends upwardly from one side to such a distance that when the tank lies with its axis horizontal, its capacity for liquid will be sufficient to hold all the liquid that results from the melting of a full charge of freezing mixture, said tank being also provided with supports for holding the tank in a horizontal position.

1,565,745. BEDPOST LOCK. EDWIN C. MCFARLANE, Brooklyn, N. Y., assignor to Special Stamping and Manufacturing Corp., New York, N. Y., a Corporation of New York. Filed Jan. 7, 1925. Serial No. 991. 1 Claim. (Cl. 5—294.)



A bedpost lock comprising a bracket adapted to be secured to the post and having a portion thereof extending from the post, said extended portion of the bracket having a tapered slot, a plate having a wedge to one side thereof for engaging the slot, and an arm extending from the plate and offset to the same side as the wedge, said wedge having bosses on the sides thereof for better engaging the sides of the slot, and said wedge and arm having means for securing thereto an angle iron of a bed frame.

1,565,746. POLISHING WHEEL. DANIEL F. MCGOVERN, Montpelier, Vt. Filed Mar. 20, 1924. Serial No. 700,721. 3 Claims. (Cl. 51—209.)



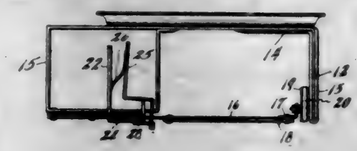
1. A polishing wheel comprising a disc having on its working face radially spaced groups of segmental flanges, the spaces between said groups being relatively staggered as to each other and constituting uninterrupted aisles extending from adjacent the center of the disc to the tips of the outermost flanges of said groups, and the tips of the outermost flanges of said groups starting at substantially the periphery of the disc and overlapping the discharge ends of said aisles and constituting with the included flanges of its group a spaced series of abrasive intake openings.



1,565,747. SIDE-WALL TUYÈRE. CHARLES F. MILLER, Moore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Filed Apr. 2, 1923. Serial No. 629,538. 9 Claims. (Cl. 110—75.)

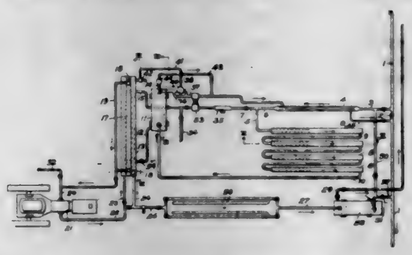
1. A side wall tuyère for stoker furnaces comprising a perforated metal plate and a plurality of steel strips partially embedded in the metal plate and partially protruding from the plate.

1,565,748. SERVING TRAY. LUKE G. MONSCHKE, Dallas, Tex., assignor of one-third to H. W. Caldwell and one-third to J. A. Flemister, both of Dallas, Tex. Filed Nov. 26, 1923. Serial No. 677,110. 2 Claims. (Cl. 45—51.)



1. The combination with a serving tray, of a pair of spaced legs depending from one side of the tray, a bracket depending from the other side of the tray, a head, a pair of toggle levers carrying the head at one end and pivoted to the bracket, a carriage mounted to slide on the bracket and connected with the levers for operating the same, a spring tension connection between the carriage and the levers, and a hand grip on the carriage.

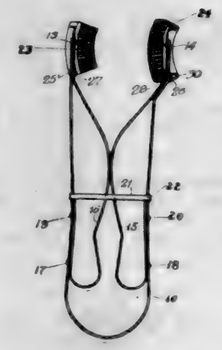
1,565,749. RECOVERY OF GASOLINE FROM NATURAL GAS. HOMER A. MORSON, Stoffel, W. Va., assignor to South Penn Oil Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 12, 1922. Serial No. 606,371. 8 Claims. (Cl. 196—8.)



1. The process of recovering gasoline from natural gas, comprising removing gasoline constituents from the gas by subjecting it under an elevated pressure to an absorbing menstruum to remove the gasoline constituents from the gas, maintaining the increase in gravity of the menstruum due to its absorption of constituents from the gas at not more than 1° Baumé, and subsequently separating from the menstruum by reduction of pressure on it and without elevating its temperature the constituents previously absorbed by it.

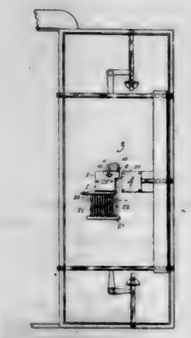
4. The process of removing gasoline from wet natural gas, comprising first compressing and cooling the gas to remove as a liquid a portion of the gasoline from it, then removing uncondensed gasoline from the compressed gas by subjecting the gas to an absorbing menstruum, separating the menstruum from the denuded gas, subsequently reducing the pressure upon the charged menstruum to remove from it as vapor its gasoline content, and mixing the vapor thus removed from the menstruum with wet natural gas before it is subjected to the compression and cooling step.

1,565,750. TOOTHBRUSH. SAMUEL NATHANSON, Roxbury, Mass. Filed June 20, 1924. Serial No. 721,355. 2 Claims. (Cl. 15—167.)



1. A tooth brush comprising a U-shaped resilient member, brushes pivotally mounted at the ends of said member, said ends having slots therein, and springs connected to said U-shaped member and having extensions movable in said slots for the purpose described.

1,565,751. BURGLAR PROTECTION FOR SAFE DOORS. THOMAS F. NELSON, Tacoma, Wash. Filed Jan. 5, 1925. Serial No. 708. 7 Claims. (Cl. 109—6.)

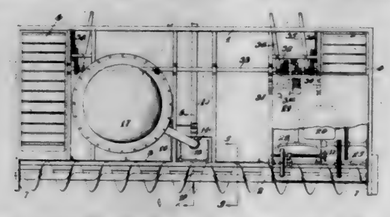


1. A burglar protection for safe doors comprising a receptacle containing vapor under pressure; a breakable extension of said receptacle; a spring actuated body adapted to break said extension; a holding means restraining said body from action; and a removable prop for said holding means.

1,565,752. SCRAPING MACHINE. EUGENE M. NICHOLS, Philadelphia, Pa. Filed June 2, 1924. Serial No. 717,317. 5 Claims. (Cl. 210—128.)

1. A scraping machine including a screw conveyor having right and left hand threads adapted to collect foul matter at a discharge point, a plate mounted in the rear of the conveyor adapted to prevent overflow of the col-

lected matter onto the cleaned surface, a receptacle in the rear of the plate adapted to receive the collected matter, the plate having an opening to permit passage



of the collected matter into the receptacle, means for propelling the machine and means for actuating the conveyor.

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1,565,753. FUSE. ELMER L. OGLE, Chicago, Ill., assignor to Federal Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 1, 1921. Serial No. 497,585. 1 Claim. (Cl. 200—113.)

In an electric fuse for use in multiphase circuits, in combination with a cylindrical fuse body and a removable cartridge containing a fusible element and a heating coil associated therewith, said cartridge having auxiliary contacts on the outside of its body connected to said heating coil, terminals on the cylindrical fuse body adapted to connect said auxiliary contacts with conductors outside of said fuse, each terminal consisting of a member adapted for connection with an outside conductor, said member having a reduced, threaded end, the fuse body being provided with a threaded hole, a tubular internally and externally threaded thimble engaged in the hole in said body and projecting beyond the body wall on one side and having its outer end turned down against the cylindrical outside surface of said fuse body to lock the thimble against turning with respect to said fuse body, and the reduced threaded end of said terminal member being screwed into said thimble with its end flush with the inner end of said thimble in position to engage said auxiliary contact.

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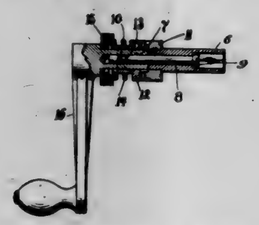
1,565,754. WINDING KEY. WILLIAM G. ORTH, Dayton, Ohio, assignor to Ohmer Fare Register Company, Dayton, Ohio, a Corporation of New York. Filed May 7, 1923. Serial No. 637,364. 6 Claims. (Cl. 74—33.)



1. A winding key comprising a manual member, a second member adapted to engage an element to be turned thereby, said second member being recessed longitudinally and comprising a longitudinal bore in alinement with but of smaller diameter than said recess, a similar bore in said manual member, a headed stud passing through said bores, the head resting in said recess, a dowel pin passing transversely through said stud and said manual member, whereby said manual member and said second member are retained against relative longitudinal displacement.

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1,565,755. METHOD OF TREATING INGOT MOLDS. WILLIAM HAIG RAMAGE, Girard, Ohio. Filed May 27, 1924. Serial No. 716,180. 20 Claims. (Cl. 148—21.)

5. The method of treating iron ingot molds cast in sand molds, which method comprises removing the ingot mold from the sand as soon as the ingot mold can be safely handled, plunging the ingot mold into a chilling water bath, and annealing the ingot mold by its own heat in an enclosed quiescent atmosphere.

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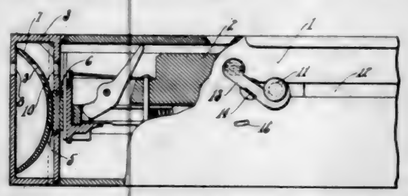
1,565,756. AUTOMATIC GUN. HUGH M. ROCKWELL, Bristol, Conn., assignor, by mesne assignments, to The Marlin Firearms Corporation, New Haven, Conn., a Corporation of Delaware. Filed Jan. 17, 1919, Serial No. 271,740. Renewed Sept. 25, 1925. 10 Claims. (Cl. 89—2.)



1. In a gun, a receiver, a member therein adapted to be reciprocated at each opening and closing of the breech, a housing removably carried by said receiver, and an arcuate resilient member mounted in said housing, said resilient member being adapted to cushion the rearward thrust of said reciprocating member.

8. In a gun having a charging handle operating in a slot in the receiver, an arm pivotally mounted on the receiver to the rear and above the slot, a hook on said arm adapted to extend under and engage the charging handle, a finger-piece on said arm, and means to retain said arm in an inoperative position.

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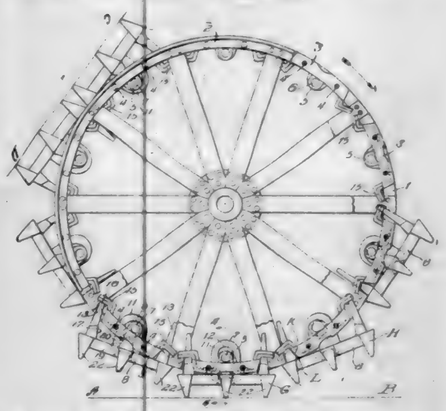
1,565,757. TRACTION WHEEL. LOUIS E. SLAUSON, Rock Island, Ill. Filed Aug. 5, 1921. Serial No. 490,026. 10 Claims. (Cl. 305—13.)



3. In a traction wheel, a rim including a pair of side members and a series of intermediate members secured thereto, each intermediate member presenting an outer face substantially flush with the side members and having



a pair of bearing members and a pair of guides, traction shoes each having a portion adapted to be located between bearing members, means for loosely pivoting the traction shoes to said bearing members, and means carried by said traction shoes cooperating with the guides on the intermediate members to keep the shoes in alignment with the rim.

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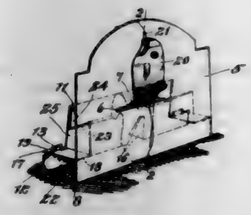
1,565,758. DISPLAY DEVICE. ADOLPH G. SNIDER, Brooklyn, N. Y. Filed Aug. 28, 1924. Serial No. 734,592. 4 Claims. (Cl. 40—149.)



1. A display device formed from an integral blank, comprising a front panel section having an opening therein, a rear supporting panel section, connecting sections between said front and rear panels, said sections being bent with respect to each other, and a display member comprising a part cut out from the connecting sections adapted to extend upwardly from said rear panel section and be projected through the opening in the front panel section for display in front thereof.

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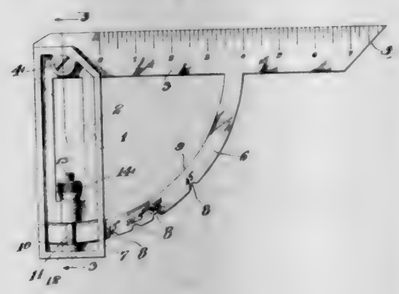
1,565,759. BEVEL SQUARE. MARK SPRENKLE, Bridgeton, N. J. Filed Jan. 2, 1924. Serial No. 683,847. 5 Claims. (Cl. 33—117.)



1. A bevel square including a head having a slit in one end; a blade pivoted to the other end; an arcuate slide on the blade adjustable in the slit; a plunger slidable in said head and engaging the slide for keeping it in adjusted position; means for securing the plunger in such adjusted position; and resilient means for automatically drawing the plunger against the slide.

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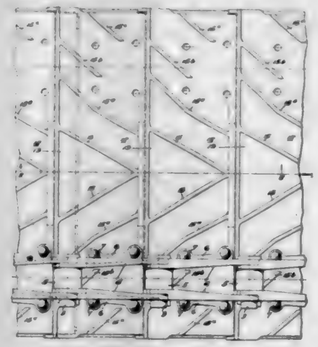
1,565,760. CONVEYER. PAUL SUTHERLAND, Inspiration, Ariz., assignor to American Manganese Steel Company, Chicago Heights, Ill., a Corporation of Maine. Filed Dec. 13, 1924. Serial No. 755,645. 8 Claims. (Cl. 198—195.)

1. An endless conveyer comprising a plurality of hingedly connected floor segments, the conveyer having a lower run on which material accumulates during the operation of the conveyer and means carried by the con-



veyer adapted to direct this material over the sides of the conveyer when the conveyer is in operation.

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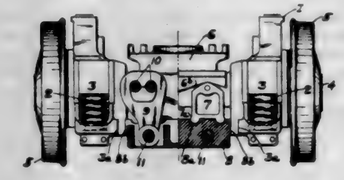
1,565,761. TRUCK FOR RAILROAD ROLLING STOCK. CHARLES W. TODD, Schenectady, N. Y. Filed Jan. 22, 1925. Serial No. 3,896. 8 Claims. (Cl. 105—189.)



1. In a railroad truck, the combination of a frame; a bolster adapted to traverse laterally relative thereto; and two lateral resistance elements, each arranged to operate separately during a portion of the lateral displacement of the bolster, the operation of said elements being in consecutive relation.

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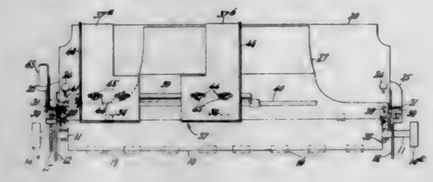
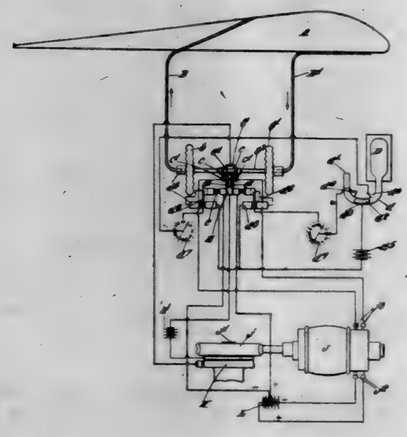
1,565,762. TYPEWRITING MACHINE. HARRY H. VICKERS, Corona, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 20, 1923. Serial No. 620,167. 6 Claims. (Cl. 197—127.)



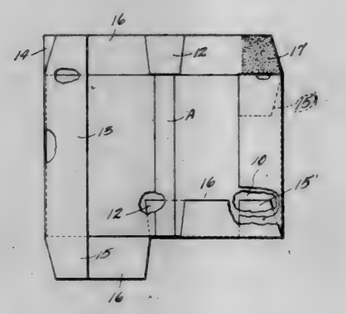
1. In a typewriting machine, a platen, a platen carriage, two tables at the rear of the platen, one spaced forward of the other, for guiding work-sheets down to the platen, the forward table being normally secured in a fixed position and having a lip adjacent the platen for supporting the sheet on the forward table out of the path of the sheet on the rearmost table, and means settable for adjusting said forward table in other fixed positions relatively to the platen, for varying permanently the width of the sheet-opening between the lip and the platen.

1,565,763. AUTOMATIC CONTROL OF AIRCRAFT. OLIVER HENRY DOUGLAS VICKERS, Westminster, England, assignor to Vickers Limited, Westminster, England, a British Company. Filed May 8, 1923. Serial No. 637,424. 6 Claims. (Cl. 244—29.)



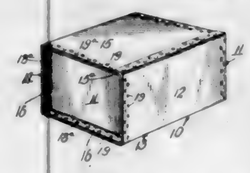
1. In automatic aircraft control apparatus, primary control mechanism, a reversible rotary electric motor, a motor contact device operated by the said primary control mechanism and adapted to support the said rotary motor in either direction, and a variable hydraulic pump and motor system having its liquid flow regulated by the said electric motor, the said hydraulic system being adapted to effect the operation of the aircraft control, and a follow-up contact device by which the electric motor circuit is broken after a predetermined movement of the rotary motor.

1,565,764. BOOK COVER. ALBERT T. WALRAVEN, Dallas, Tex. Filed Feb. 24, 1925. Serial No. 11,077. 4 Claims. (Cl. 281—34.)



1. A book cover comprising a sheet having opposite marginal portions folded inwardly to form flaps, the outer end portions of said flaps and the continuous portions of the sheet being cut off obliquely across the lines of the respective folds to form tabs for tucking in behind the cover boards of the book, back tabs being cut from the margins of the sheet and tucked between the sheet and the back of the book, the remaining marginal portions of the sheet being folded inward to form flaps, and means for securing the flaps of the cover in place.

1,565,765. BOX. HARRISON B. WALTER, Chicago, Ill., assignor to Chicago Mill and Lumber Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 31, 1923. Serial No. 629,093. 2 Claims. (Cl. 229—6.)



1. A box comprising a tubular body and an end secured within said body, said end consisting of a blank of the area of the end of the box with flap extensions at the four sides thereof, said flap extensions being offset from the plane of the end and being then bent at right angles with one face against the shoulder formed in thus offsetting, and means for attaching said flap extensions in flat engagement against the proximate flat faces of the tubular body comprising a body of cement and a plurality of tongues cut from the two engaged parts and depressed with the body of cement between them beyond the planes of the board parts.

1,565,766. PROCESS FOR THE PREPARATION OF EXPLOSIVE CHARGES BY MEANS OF LIQUID OXYGEN OR AIR. GUILLAUME WEBER, Hayange, France, assignor to The Société: les Petits Fils de François de Wendel & Cie., Hayange, Moselle, France. Filed Oct. 11, 1923. Serial No. 667,894. 9 Claims. (Cl. 102—6.)

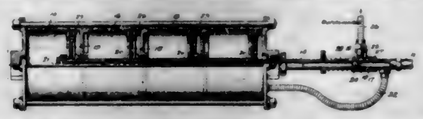
1. The process for preparing explosive charges containing liquid oxygen or air according to which tight receptacles are first inserted into the mine holes and the materials constituting the charge are then placed in said receptacles, said materials being saturated with liquid oxygen or air.

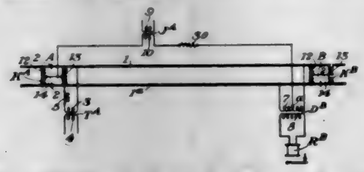
1,565,767. VACUUM BRAKE. CHARLES R. WESTBROOK, San Francisco, Calif., assignor, by mesne assignments, to Simplex Air Brake Company, a Corporation of California. Filed Dec. 1, 1922. Serial No. 604,145. 8 Claims. (Cl. 121—38.)

3. In a vacuum brake system for an engine operated automobile, the engine having an intake manifold in which a partial vacuum is created, a cylinder having a plurality of separate chambers axially displaced, a common hollow piston rod for all of the chambers, pistons

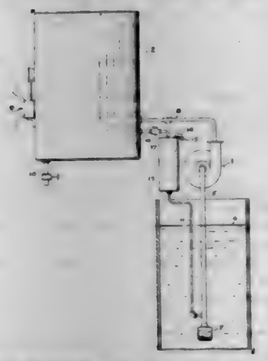


carried by the rod, one for each chamber, the hollow space in the rod connecting to one side of each chamber, a valve member slidable on the rod, and serving to control the connection between the intake manifold and the hollow space in the rod, said rod having another separate hollow space also controlled by the valve member to uncover it to atmosphere while the first hollow space is connected to the intake manifold, and vice versa, and means forming a connection from the second hollow space to only a portion of those sides of the cylinders which are out of communication with the first hollow space, the remaining of these sides being permanently connected to atmosphere.



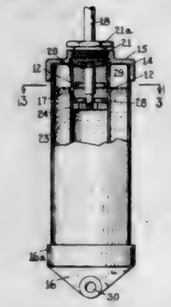
1,565,768. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. CONRAD H. ZIERDT, Rosedale, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 2, 1924. Serial No. 703,681. 8 Claims. (Cl. 246—37.)

1. In combination, a stretch of railway track, a source of alternating track circuit current connected across the rails of the stretch, a transformer having a primary winding connected across the rails of the stretch, a track relay connected with the secondary of said transformer, an impedance connected across the rails of said stretch, and a source of train governing loop current having one terminal connected with said impedance and the other terminal connected with an intermediate point in said primary winding, the parts being so proportioned that if a track rail breaks so that all of the loop current flows through one section of said primary winding the current induced thereby in the secondary winding will not be of sufficient value to operate said track relay.

1,565,769. WATER-SUPPLY SYSTEM. GEORGE R. ALEXANDER, Oakland, Calif. Filed Dec. 10, 1923. Serial No. 679,649. 8 Claims. (Cl. 103—6.)



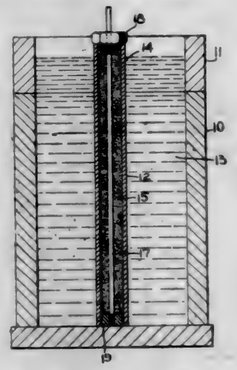
1. A liquid supply system embodying in its construction a storage tank, a pump for delivering liquid to said tank from a source of supply, a suction pipe for said pump, a foot valve on said suction pipe and means actuated by pressure from the storage tank for forcing air into said tank.

1,565,770. SHOCK ABSORBER. ZARIB ALMESAN, New York, N. Y. Filed May 29, 1924. Serial No. 716,589. 8 Claims. (Cl. 188—88.)



1. A shock absorber comprising an outer cylinder, an inner cylinder, the latter communicating adjacent the top and bottom with said outer cylinder, a liquid in said cylinders and a piston including a piston rod and a piston head operating within the inner cylinder to cause a flow of liquid from the inner cylinder into the outer cylinder upon an upward movement of the piston, said piston head having a port opening therethrough, and a disc mounted on said rod and movable with respect to the piston head to permit the passage of the liquid through said port opening on a downward movement of the piston, and to entirely close the openings against the flow of liquid therethrough on the upward movement of the piston.

1,565,771. PROCESS OF MAKING TUBULAR BODIES. PERCY A. E. ARMSTRONG, Loudonville, N. Y., assignor to Ludlum Steel Company, Watervliet, N. Y., a Corporation of New Jersey. Filed Aug. 18, 1919. Serial No. 318,253. 1 Claim. (Cl. 29—188.)



The process of making tubular bodies, such as hollow drill steel, which comprises casting an ingot of relatively high carbon steel about a tube of lower carbon steel having a higher melting point than the cast material, whereby welding and substantially carbon equalization of the two steels are secured at least in part, hot rolling the ingot with a core in said tube for elongation and reduction of cross section, whereby the welding and carbon equalization of the two steels are carried out to a further extent, and removing the core, thereby providing a tubular body having a body portion initially of

steel relatively high in carbon and a bore lining initially of steel relatively low in carbon made substantially homogeneous by welding and substantial equalization of carbon content under heat.

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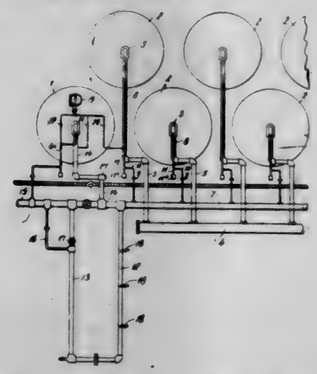
1,565,772. DRAINAGE SYSTEM. GEORGE H. BARRUS, Boston, Mass. Filed July 28, 1922. Serial No. 578,034. 13 Claims. (Cl. 34—48.)



1. A system of the class described, comprising a plurality of drying cylinders, means for supplying heating steam to said cylinders, means for removing the contents of said cylinders comprising a drainage main and individual drainage connections between the respective cylinders and said main, and means for maintaining a continuous pressure difference between the cylinders and said drainage main comprising a restricted portion of constant area interposed in each of said individual drainage connections.

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1,565,773. EMBALMING FLUID. EDMUND BARTA, Chicago, Ill. Filed Apr. 7, 1924. Serial No. 704,861. 1 Claim. (Cl. 27—21.)

An embalming fluid consisting of bichlorid of mercury, sodium chlorid, sodium hydroxid, crystallized thymol, crystallized camphor, eosin rubrum, formol, concentrated formaldehyde, and bergamot oil.

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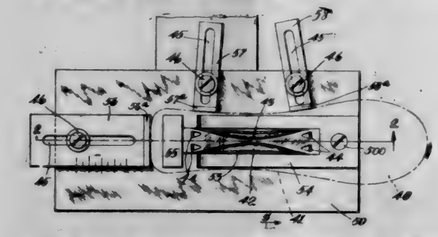
1,565,774. APPARATUS FOR LOCATING SHANK STIFFENERS ON SHANK PIECES FOR TURN SHOES. REINHARD E. BARTELS, Lynn, Mass. Original application filed Apr. 26, 1920, Serial No. 376,633. Divided and this application filed May 17, 1922. Serial No. 561,593. 6 Claims. (Cl. 33—180.)



1. A device for locating a shank stiffener in a desired position on a shank, comprising a support, means on the support for holding the shank stiffener definitely positioned on the support, and abutments on the support against which the shank may be placed so as to position the shank above the shank stiffener in position to be attached thereto in the desired position.

1,565,775. DEVICE FOR USE IN APPLYING COSMETICS. CHARLES BASH, Brookline, Mass. Filed Jan. 26, 1925. Serial No. 4,948. 9 Claims. (Cl. 132—78.5.)

1. A pad of the character described comprising a body of elastic material, and an envelope of thin rubber inclosing said body.

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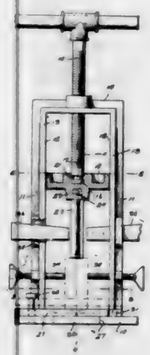
1,565,776. PRESS. ADELBERT R. BENEDICT, South Tacoma, Wash. Filed Aug. 16, 1924. Serial No. 732,542. 2 Claims. (Cl. 29—85.)



1. In a press of the type described, a base having a notch opening through one side thereof and terminating centrally of the base in a semicircular cove, a pair of standards arranged at opposite sides of the cove and extending upwardly from the base, a bridge-piece connecting the standards at their upper ends, a press bar guided by the standards and having means for attaching dies thereto, means extending through the bridge-piece for vertically adjusting the press bar upon the standards, a swingable arm pivotally connected to the base at one end and combining with said base to fill the notch thereof and to combine with the cove of the notch to provide at the center of the base beneath the press bar an opening, the pivotal connection of said arm and base permitting vertical movement of the arm with relation to the base, said arm in its closed position abutting the standards at one side face, and means upon the base engaging the opposite side face of the bar when in the closed position preventing movement of the bar until the same is shifted vertically from the base.

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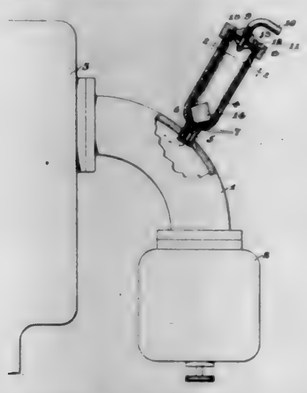
1,565,777. SYNTHETICALLY-MADE PRECIOUS STONE AND METHOD OF PRODUCING THE SAME. DAVID BERTOLINI, Locarno, Switzerland, assignor to Swiss Jewel Company, S. A., Locarno, Switzerland. Filed Jan. 20, 1925. Serial No. 3,683. 5 Claims. (Cl. 106—36.1.)

5. A synthetic stone having the hardness of a natural sapphire and the color and appearance of a natural aquamarine composed of alumina, and oxides of magnesium, cobalt and vanadium in the proportion of approximately 86% of alumina, 14% of oxide of magnesium and a trace each of oxide of cobalt and oxide of vanadium.



1,565,778. CARBON-REMOVING ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. JOHN BIRD, Camden, Me. Filed June 24, 1924. Serial No. 722,098. 3 Claims. (Cl. 123—198.)



3. An attachment for gasoline engines comprising a tubular member exteriorly threaded adjacent each end, the bore of said body restricted at one end and said restricted bore communicating with the main bore by a plurality of small flaring passages communicating with the main bore about its periphery, a closure cap adapted to engage the threads on the other end of the body, said cap having air inlet ports and a centrally located stem in threaded engagement with the cap, a disk adapted to seat over said stem and against the inner face of the cap and spring mounted on the inner end of the stem to resiliently force the disk to its seat substantially as specified.

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1,565,779. COMPOSITION FOR REMOVING CARBON DEPOSITS. JOHN BIRD, Camden, Me. Filed June 4, 1925. Serial No. 35,025. 2 Claims. (Cl. 87—5.)

1. A composition in the form of a tablet consisting of ammonium carbonate and powdered naphthalene.

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1,565,780. AUTOMOBILE WASH BRUSH. LOUIS P. BLAKEY, Germantown, Pa. Filed Sept. 8, 1923. Serial No. 661,687. 4 Claims. (Cl. 15—128.)

1. An automobile wash brush comprising a head, means for supplying water to the head, a stud projecting from the outer end of the head, a shield arranged to fit about the inner side of the head and having an opening in its outer end to receive the stud for supporting the outer end of the shield, and releasable means engaging the inner end of the shield for detachably securing the same to the head.

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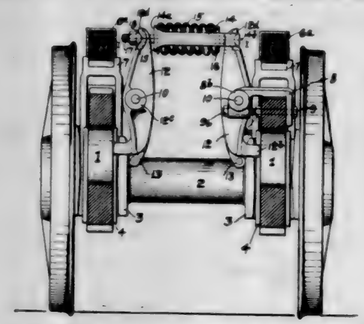
1,565,781. LATERAL-MOTION DEVICE FOR LOCOMOTIVE DRIVING BOXES. JAMES G. BLUNT, Schenectady, N. Y. Filed Jan. 22, 1925. Serial No. 3,958. 7 Claims. (Cl. 105—80.)

1. In a locomotive engine, the combination of a frame; driving axle boxes mounted in said frame and capable of a limited lateral movement relative thereto; an axle rotating said boxes; and mechanism supported by the frame comprising means for transmitting lateral movement of one box to bring pressure upon the portion of



the frame housing the opposite box and of reacting against the first mentioned box to exert pressure to restore it to normal position.

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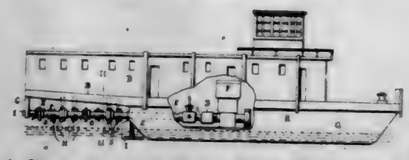
1,565,782. PROPELLER MECHANISM FOR VESSELS. PETER W. BOLT, Wilkinsburg, Pa. Filed June 13, 1924. Serial No. 719,727. 10 Claims. (Cl. 115—37.)



1. In a screw propeller mechanism for vessels, the combination with driving means mounted in the hull, of a horizontally disposed shaft extending rearwardly from the hull, means for imparting rotary motion in either direction to said shaft from said driving means, and a plurality of propellers mounted in tandem and in spaced relation to each other on said shaft, the propellers being immersed below their axes only.

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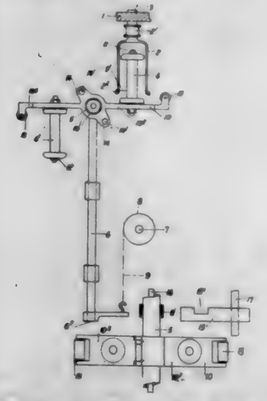
1,565,783. DOFFING MECHANISM FOR SPINNING, TWISTING, AND LIKE FRAMES. THOMAS ALEXANDER BOYD, HAROLD ARTHUR BOYD, and JAMES BOYD, Glasgow, Scotland. Filed Sept. 4, 1925. Serial No. 54,439. 5 Claims. (Cl. 118—18.)



1. In a spinning, twisting or like frame, in combination, a flyer rotatable on a vertical axis, an axially bored axle member rotatable on a horizontal axis, a bobbin

carrier mounted on said axle member, said carrier serving to support a plurality of bobbins in the same vertical plane as said flyer and adapted on rotation with said axle member to bring the bobbin to be filled into coaxial relation with said flyer, and yarn cutting means including a member movable in the bore of said axle member.

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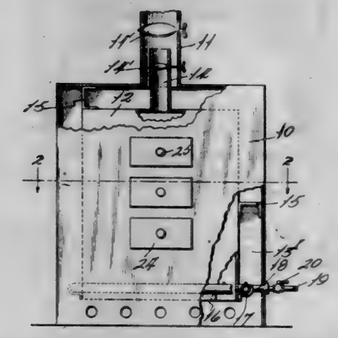
1,565,784. TOASTING OVEN. THOMAS O. BROOKS, Dallas, Tex. Filed June 19, 1923. Serial No. 646,314. 3 Claims. (Cl. 126—278.)



1. In an oven, an outer shell, an open bottom inner shell having a top vent and disposed within the outer shell spaced therefrom, a burner in the space between the shells comprising the sole heating means therefor, whereby the inner shell is free from flames and fumes of the burner, and means for supporting articles of food spaced from the side walls of the inner shell for toasting.

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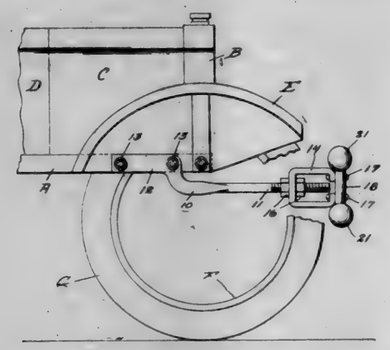
1,565,785. AUTOMOBILE BUMPER. THOMAS F. BUCK, New Castle, Pa. Filed Feb. 25, 1925. Serial No. 11,522. 12 Claims. (Cl. 293—55.)



1. A bumper for motor vehicles comprising a pair of arms adapted to be secured to the frame bars, U-shaped yokes carried by the forward ends of said arms, uprights carried by the yokes, and transverse members carried by the uprights.

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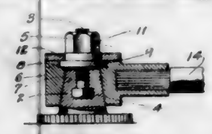
1,565,786. BATTERY TERMINAL. WILLIAM A. BURKHOLDER, Junction City, Kans. Filed Mar. 28, 1924. Serial No. 702,610. 2 Claims. (Cl. 173—259.)

1. A battery terminal comprising a binding post, a socket member to fit over the binding post, a nut rotatably mounted in the socket member and co-operating with the binding post the nut being rotatable in one direction to force the socket member longitudinally upon



the binding post and rotatable in an opposite direction for forcing the socket member away from the binding post.

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1,565,787. FLANGEWAY GUARD. CARROLL BURTON, Johnstown, Pa. Filed Sept. 25, 1925. Serial No. 58,557. 10 Claims. (Cl. 238—8.)

1. The combination with a rail of a track structure, of a flangeway guard comprising a base portion, a back portion rigidly supported from said base portion, and a top portion adapted to be bridged between said back portion and the rail, said top portion being freely movable independent of said base and back portions to permit renewing and spiking of the track rail.

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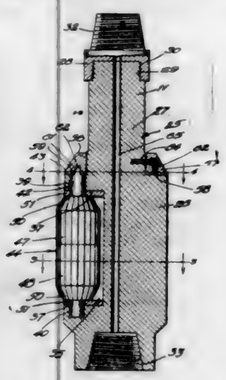
1,565,788. REAMER. ANTHONY E. CARLSON, Los Angeles, Calif. Filed Jan. 26, 1925. Serial No. 4,765. 4 Claims. (Cl. 255—71.)



1. In a reamer of the class described, the combination of: a body, said body comprising cutter cavities formed therein and openings formed at each end of said cavities; bearing pins extending into said openings; a split securing ring carried by said body for securing said bearing pins in place; and cutters carried on said bearing pins in said cavities.

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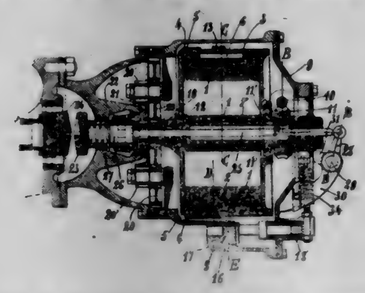
1,565,789. MECHANICAL STARTER FOR INTERNAL-COMBUSTION ENGINES. PIERRE ROGER LOUIS AUGUSTE CARMIER, Paris, France, assignor to Société Anonyme dite: Matériel et Accessoires d'Aviation, Paris, France. Filed Apr. 24, 1923. Serial No. 634,307. 3 Claims. (Cl. 185—41.)

1. A mechanical starter for internal combustion engines comprising a casing secured to the crank case of the engine, a spring box revoluble in said casing, a spiral spring, wound therein and secured to the same at its outer end, a shaft passing through the spring box, a device for winding the spring which acts upon the inner end thereof, an extension of the shaft of the spring box which is independent of the said shaft and is adapted to be driven by the spring box, an actuating disk





mounted on the end of the engine shaft, a coupling device acting by the jamming of rollers situated between said disk and the extension of the axle of the spring box, and means for immobilizing the spring box during the winding and the stopping and for releasing the same when starting the engine.

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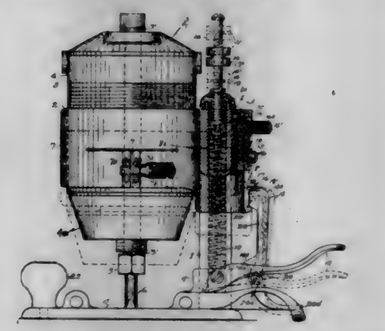
1,565,790. PORTABLE ROUTING MACHINE. RAY L. CARTER, Syracuse, N. Y. Filed Mar. 21, 1925. Serial No. 17,419. 4 Claims. (Cl. 90—12.)



1. A holder adapted to adjustably support a routing machine and the like, said holder being formed with a guide-way whose axis is parallel to the axis of the routing machine, a pedestal slidably received in said guide-way upon which said holder is reciprocable for moving the routing machine towards and away from the work, tension means for normally holding the routing machine in the idle position, a lever for moving the routing machine towards the work, means operable within and concentric to said pedestal for gaging the extent of the latter movements, a locking device for restraining said tension means from restoring the routing machine to the idle position, and means for releasing said locking device for freeing the tension means from said restraint.

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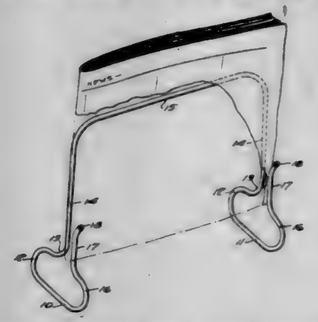
1,565,791. NEWSPAPER HOLDER. EDWARD P. CHALFANT, Yonkers, N. Y. Filed Apr. 14, 1925. Serial No. 23,093. 3 Claims. (Cl. 40—151.)

3. A device for supporting a newspaper or the like from a table, said device being in the form of a single piece of bent wire having an inverted U-shaped upper portion carried above the table by downwardly extending leg portions in the form of substantially parallel loops, each loop being in the plane of the corresponding side of the U, and including rearwardly bent upper portions



and forwardly extending base portions adapted to rest on the table, the end portions of the piece of wire being bent up adjacent to the lower part of the leg portions and spaced therefrom.

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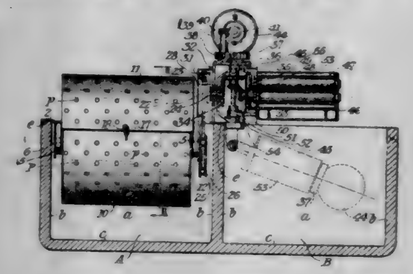
1,565,792. WASHING MACHINE. BENJAMIN DAY CHAMBERLIN, Rochester, N. Y. Filed Sept. 8, 1922. Serial No. 586,893. 8 Claims. (Cl. 68—18.)



1. In a washing machine adapted to be mounted on a stationary tub, the combination of a frame adapted to support a drum, raised portions on the frame to engage the edges of the stationary tub thus suspending the frame beneath the top of the tub, a second frame section, a motor drive mounted on the second frame section, a hinge connecting the two sections, and means adapted to hold the two sections together.

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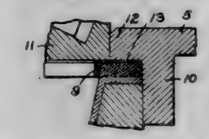
1,565,793. PROTECTIVE CASING FOR GASKETS. HORACE CHRISMAN, Edgewood, Pa., assignor to Pittsburgh Meter Company, East Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 29, 1921. Serial No. 511,484. 1 Claim. (Cl. 288—1.)



In combination with a gasket, a meter body having an opening surrounded by an annular face against which said gasket is forced and an annular wall surrounding said gasket, a paper strip L-shaped in cross-section lying between said gasket and said annular face and between said gasket and said annular wall whereby sticking of the gasket to said face and wall is prevented,

a cover for said opening movable directly toward said gasket, and bolts for securing said cover in place and whereby said gasket and strip are forced in packing engagement with said annular face.

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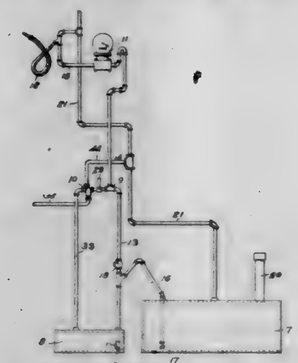
1,565,794. FLUID-DISTRIBUTING SYSTEM. THOMAS C. CLIFFORD, Pittsburgh, Pa. Filed July 1, 1922. Serial No. 572,268. 12 Claims. (Cl. 221—74.)



1. In a liquid dispensing system, a liquid supply tank, a valve for controlling delivery of liquid from said tank, a valve for controlling delivery of fluid under pressure to said tank, and means responsive to fluid pressure delivered through said last mentioned valve for moving both of said valves.

12. In combination in a fluid dispensing system, a sleeve valve for controlling the delivery of liquid from the system, a sleeve valve for controlling the delivery of fluid under pressure to the system, manually operated means for controlling both of said valves, and automatic means for venting the system and for actuating the fluid control valve to shut off the supply of fluid under pressure to the system.

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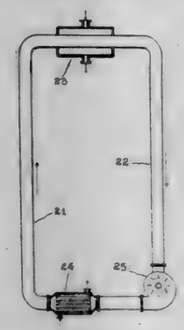
1,565,795. ART OF REFRIGERATION. BARTON H. COFFEY, New York, N. Y. Filed Aug. 9, 1920. Serial No. 402,304. 4 Claims. (Cl. 62—178.)



1. The process of refrigeration which consists in gradually reducing the pressure on a liquid refrigerant, vaporizing a part of the liquid refrigerant during the reduction of pressure substantially without heat exchange, vaporizing a further part of the liquid refrigerant at low pressure and temperature to produce the refrigerating effect, gradually increasing the pressure on the resulting mixture of liquid and vapor, thus condensing part of the vapor, substantially without heat exchange, and condensing the remaining vapor at the higher pressure and at a higher temperature.

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1,565,796. METHOD OF MANUFACTURING A PERFUME SMELLING LIKE AMBER. ARNOLD CORTI, Winterthur, Switzerland, assignor to Chemical Works Flora, Dubendorf, near Zurich, Switzerland. Filed Jan. 26, 1923. Serial No. 615,144. 1 Claim. (Cl. 260—142.)

A new perfume and perfume base, comprising nitrodibrom-butyl-metacresol-methyl-ether having a smell of musk and a true smell of amber, melting at 100° C.

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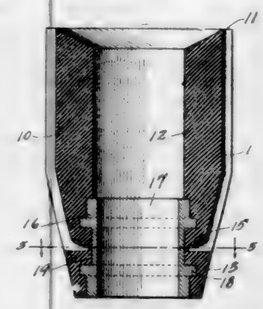
1,565,797. SWAB CUP. CHARLES S. CRICKMER, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Feb. 28, 1925. Serial No. 12,268. 7 Claims. (Cl. 74—109.)



1. A swab cup comprising a flexible cup body provided with an axial opening having a seat, and a metallic reinforcing bushing engaged in the seat of the opening of the body and held against longitudinal displacement therein.

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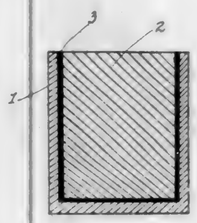
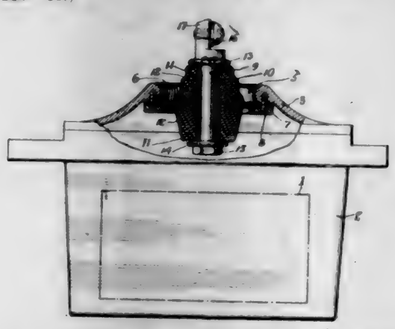
1,565,798. PROCESS OF PACKING ASPHALT. EDWARD R. DILLEHAY and ALAN R. LUKENS, Wyoming, Ohio, assignors to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed Oct. 9, 1924. Serial No. 742,704. 7 Claims. (Cl. 23—242.)



1. A process of preparing asphalt for shipment which consists in forming a coating in a carton having a body of finely divided mineral matter of dusty nature held in pasty form by suitable additions, and flowing the asphalt directly into the carton, whereby the carton acts as a mold and a shipping case, and the coating will prevent the paper of the carton from adhering to the asphalt.



1,565,799. INSULATING STRUCTURE FOR HIGH-POTENTIAL CONDENSERS. WILLIAM DUBILIER, New Rochelle, N. Y., assignor to Dubilier Condenser & Radio Corporation, New York, N. Y., a Corporation of Delaware. Original application filed Feb. 18, 1921, Serial No. 445,948. Divided and this application filed Aug. 8, 1925. Serial No. 49,063. 9 Claims. (Cl. 250—41.)



1. A condenser comprising a condenser unit enclosed in a container, one wall of said container having a relatively large opening therein, a sheet mica diaphragm disposed across said opening, a terminal for said condenser unit extending through said diaphragm, said diaphragm being of sufficient extent to provide a relatively large distance between said terminal and the periphery of the opening, and laminated sheet mica blocks surrounding said terminal and disposed on opposite sides of said diaphragm, said blocks being of such thickness as to provide a relatively large spacing between exposed portions of the terminal and the metallic wall of the container, the edges of the mica sheets forming the side walls of the blocks.

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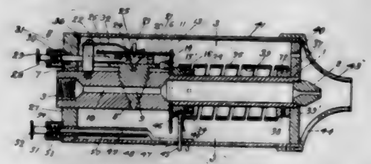
1,565,800. AUTOMATIC GAS CUT-OFF. FRANK DZIERŻENGA, New York, N. Y. Filed Jan. 6, 1925. Serial No. 903. 3 Claims. (Cl. 67—116.)



1. In an automatic gas stopper, the combination with a burner, a valve in a cooperative relation with said burner, a spring consisting of two metals with different temperature coefficient and placed concentrically with said burner, an operative connection between said spring and said valve, a locking link operatively connected with said valve and said spring, a shell around said burner, a slot in said shell for said link, said slot being arranged in the line of movement of said link under action of said spring, a locking pocket connected with said slot, said link being adapted to be placed in said locking pocket when said valve is opened, means to release said link from said pocket when said spring becomes hot.

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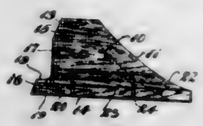
1,565,801. CHOCK BLOCK. FRANK G. HEWLETT, Bellamy, Ala., assignor to Allison Lumber Company, Inc., Bellamy, Ala., a Corporation. Filed May 12, 1924. Serial No. 712,878. 1 Claim. (Cl. 188—32.)

A chock comprising a wooden block having a wheel engaging face and oppositely inclined rear faces disposed in a single plane and formed with an intermediate recessed portion having walls at a right angle to each other and joined at their angle by a curved face provided for the introduction of a fastening device, and



grooves at the opposite side faces of said block forming flanges having an inclined face provided with an aperture to receive a fastening device.

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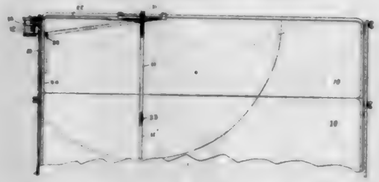
1,565,802. WINDSHIELD CLEANER. VALENTINE G. HUSH, New York, and THOMAS A. HILL, Brooklyn, N. Y.; said Hill assignor to said Hush. Filed Nov. 22, 1920. Serial No. 425,595. 1 Claim. (Cl. 15—253.)



A windshield cleaner comprising a wiper arm, means for swingingly mounting the wiper arm on the windshield with the wiper arm in contact with the windshield glass, and means for actuating said wiper arm, said wiper arm including an inner section adapted to be swingingly mounted on the windshield, and an outer section hinged to the free end of the inner section, resilient means cooperating with said sections to retain them normally in alignment.

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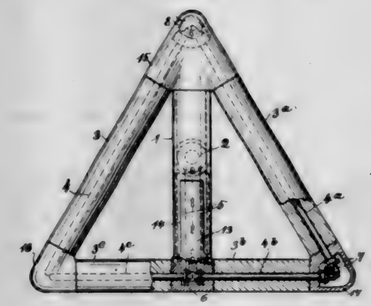
1,565,803. STEERING WHEEL FOR AUTOMOBILES AND THE LIKE. PETER MARTIN JENSEN, Copenhagen, Denmark. Filed June 21, 1923. Serial No. 646,886. 6 Claims. (Cl. 74—33.)



1. A polygonal steering wheel comprising rim members connected together at the angles of the wheel for rotation.

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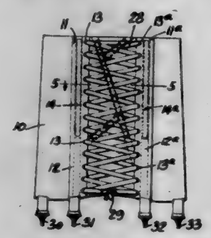
1,565,804. CORSET. AUGUSTA S. JOHNSON, Brooklyn, N. Y. Filed Aug. 2, 1924. Serial No. 729,741. 5 Claims. (Cl. 2—38.)

1. In a corset comprising a separated body portion, having eyelets along its vertical ends, a single tongue overlapping the said ends at the inside of the corset, having

eyelets along both its vertical edges, each of the said edges containing the eyelets being turned over between the tongue and the ends of the said body portion, and



lacing through the eyelets of, respectively, the said body portion and the said tongue for adjustably connecting the body portion and securing the tongue.

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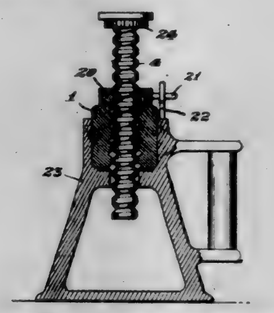
1,565,805. SCREW JACK. HARRY HERBERT JONES, Santa Barbara, Calif., assignor of one-third to Yee Yuen and one-third to Ernest K. Sen, both of Santa Barbara, Calif. Filed Jan. 9, 1925. Serial No. 1,467. 5 Claims. (Cl. 254—98.)



3. In a jack, a screw and nut having complementary spiral V-shaped recesses, balls operating in the recesses, the balls being spaced from the edges of the recesses and engaged with the walls thereof, the ends and periphery of the nut having grooves coacting with the complementary V-shaped recesses to complete the runway for the balls, plates secured to the nut and covering the grooves to prevent loss of the balls, and deflectors for facilitating the passages of the balls from the recesses to the grooves and from the grooves to the recesses.

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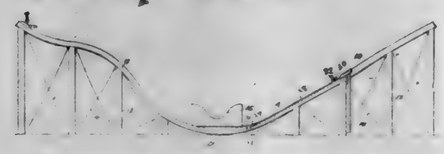
1,565,806. AMUSEMENT DEVICE. JAMES P. LADEN, Louisville, Ky. Filed Apr. 10, 1925. Serial No. 22,218. 7 Claims. (Cl. 104—162.)



2. An amusement device comprising an elevated structure having its intermediate portion lowermost and its ends inclined, a track mounted upon said structure, a car movable backward and forward over the track, fluid operated means including a substantially L-shaped pivotally mounted dog located in the path of the car to carry said car an appreciable distance up one incline, means at the bottom of said incline and operated by the car to render the fluid operated means active, means located in the path of the dog to cause the latter to engage the car at the beginning of the operation of the fluid operated means and means spaced from the bottom of the incline to render said fluid operated means inactive.

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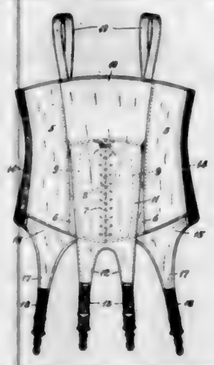
1,565,807. BRASSIÈRE. LEO E. LEVY, New York, N. Y., assignor to Model Brassiere Co. Inc., New York, N. Y., a Corporation of New York. Filed Apr. 18, 1922. Serial No. 555,443. 1 Claim. (Cl. 2—42.)



In a corset-brassière, the combination of front sections spaced apart, upper and lower fabric sections connected respectively with the upper and lower portions of said front sections and spanning the space therebetween in independent, vertical relation to each other to complete the front of the corset brassière, said lower section comprising an abdominal section adapted to lie over the abdomen of the wearer, means whereby said abdominal section may be adjusted, a loose flap depending from said upper fabric section and adapted to be worn either inside or outside of said abdominal section, garters depending from said flap and means for detachably securing said corset-brassière upon the wearer.

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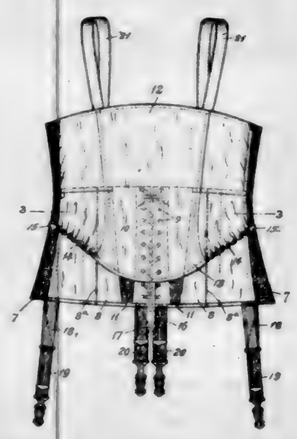
1,565,808. MATERNITY GARMENT. LEO E. LEVY, New York, N. Y., assignor to Model Brassiere Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 26, 1922. Serial No. 590,646. 1 Claim. (Cl. 2—27.)



A corset-brassière comprising a body portion, an adjustable abdominal section at the front thereof, an abdominal pouch suspended on said body from above,



over said abdominal section and having its side and lower edges free from said abdominal section, the lower edge of said pouch being substantially inelastic at its central portion and elastic upon opposite sides of said central portion, tie strings connected with the lower edge at the terminals of the elastic portion thereof for adjustably securing said lower edge in place and means for detachably securing said corset-brassière upon the wearer.

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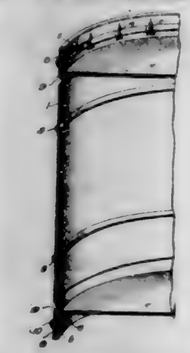
1,565,809. SHIPPING DRUM. HAROLD E. MCCREERY and ALBERT E. JESSER, Philadelphia, Pa., assignors to Sanitary Collapsible Barrel Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Nov. 20, 1922. Serial No. 602,095. 2 Claims. (Cl. 220—67.)



1. A knock down drum comprising a substantially cylindrical sheet metal body portion having its end turned over to receive a head, said turned over portion being provided at points spaced from its edge with alined cut out portions to permit it to be compressed, and a head having a peripheral flange, said flange being adapted to be received between the end of the body portion and the turned-over portion, said flange, said turned over portion and said body portion adjacent said flange, being rolled in alinement with said cut out portions to form an outstanding annular bead.

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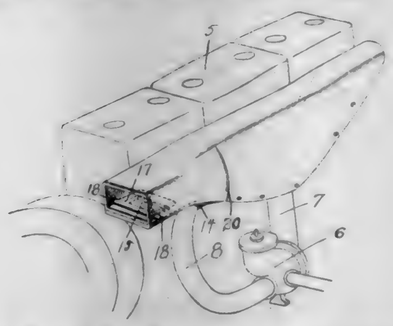
1,565,810. HEATER FOR AUTOMOBILES. PALMER O MELAAS, Fergus Falls, Minn. Filed July 29, 1922. Serial No. 578,400. 1 Claim. (Cl. 257—241.)



A heater for automobiles comprising a body formed of a sigle sheet of metal folded to provide a top wall and spaced depending inner and outer side walls of substantially the same size and shape to receive the branches of exhaust manifold of an internal combustion engine, the inner wall being provided with openings to receive the branches of the manifold, means for holding the body on the manifold, inwardly directed overlapping flanges formed on the side walls of the body at the rear end of the body, said side walls being provided with alined openings and means cooperating with said openings for permitting the control of the flow of heat and air through said body.

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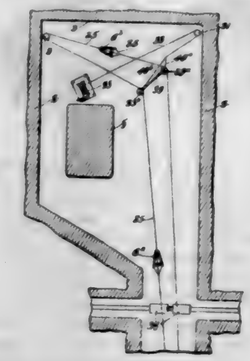
1,565,811. LOADING APPARATUS. JOE WOOD MORRISON, Akron, Ohio, assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Aug. 4, 1919. Serial No. 315,313. 19 Claims. (Cl. 37—115.)



1. In a drag line scraper apparatus for use in removing material from a face extending in a direction transverse to the path of a scraper during its movement when loaded to a point of discharge, a scraper, flexible means for operating the same, guiding means for said operating means adjacent the end of the face remote from the point of discharge, a guiding member adjacent the other end of said face, and means including a flexible member and means for adjusting its free length for supporting said guiding member in a plurality of positions to cause said scraper to travel in a plurality of substantially predetermined paths one of which is a continuation of the other substantially along the face to allow said scraper to recede therefrom when the same is loaded, said guiding member, flexible member and adjusting means therefor constituting the sole means for influencing the path of movement of said scraper while the latter is being moved in either direction along the face by said flexible means.

3. In a loading apparatus, in combination, a plurality of scrapers, a drag line to which said scrapers are secured, a plurality of guide blocks for said drag line, a bar by which said guide blocks are carried, and a line connected with said bar for moving the same.

5. In a loading apparatus, in combination, a scraper, a drag line, a line connecting said scraper and drag line, and a block having separated portions adapted to guide said drag line but to permit passage between them of said connecting line.

6. In a loading apparatus, a scraper, a drag line therefor, and means connecting said drag line and scraper for varying the capacity of said scraper.

17. In a loading apparatus, in combination, a scraper, a drag line having a forward and rearward portion, and means to adjust said portions operative to change their relative positions, said means including only a single connection to said drag line.

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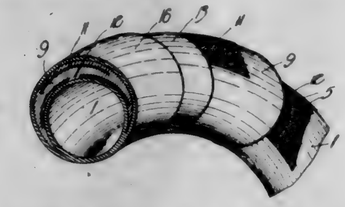
1,565,812. PROCESS FOR THE VULCANIZATION OF CAOUTCHOUC. HERMANN OEHME, Kalk, near Cologne, Germany, assignor to Chemische Fabrik Kalk Ges. mit beschränkter Haftung, Cologne-on-the-Rhine, Germany. Filed July 13, 1925. Serial No. 43,402. 2 Claims. (Cl. 18—53.)

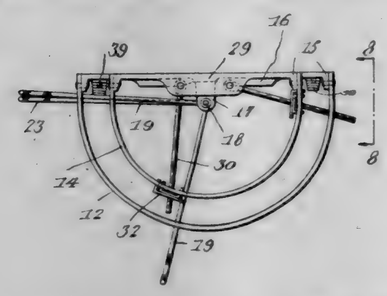
1. A process for the vulcanization of caoutchouc consisting in using zinc hydroxide for the combination of sulphur with the caoutchouc substance.

1,565,813. PNEUMATIC RESILIENT TUBE, PLASTIC COMPOSITION COMBINED THEREWITH, AND PROCESS OF MANUFACTURE. ANDERS JOHN OSTBERG, East St. Kilda, near Melbourne, Victoria, Australia. Filed May 12, 1922. Serial No. 560,423. 3 Claims. (Cl. 154—15.)



1. A method of manufacture of pneumatic tubes consisting in first forming a layer of semi-cured rubber on a mandrel forming a layer of plastic adhesive composition thereon arranging a layer of spaced peripheral fabric strips on said layer forming a further layer of composition with a space between the ends, arranging a further layer of spaced peripheral fabric strips on the last said layer the fabric strips being so disposed that they cover the spaces between and overlap the edges of the inner layer of fabric strips, the ends of the outer layer of fabric strips being tied back to allow of finishing, forming a further plastic composition layer and then an outer rubber layer with a space between the ends to allow of the completion of the ends of the inner plastic layers and the outer fabric layer, overlapping the ends of the outer fabric strips, completing the outer plastic layer and then the outer rubber layer and subjecting the formed tube to vulcanization.

1,565,814. MUSIC-LEAF TURNER. JOSEPH PIERRE PLAMONDON, St. Roch, Quebec, Canada. Filed May 7, 1923. Serial No. 637,401. 3 Claims. (Cl. 84—504.)

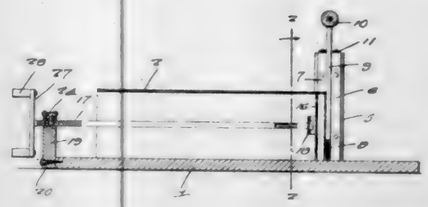


2. A music leaf turner comprising a body and a back, spaced guide members secured thereto and forming two guide-ways, a slotted carriage movable in one of said guideways, a leaf carrier movable in the other guideway, a lock for holding the carrier in proximity to the back, a dog pivoted to the carriage beneath the slot and adapted to release the carrier, an upright spindle journalled in the body, an arm secured to said spindle, the free end of said arm being received in the slot of the carriage and engaging the dog, and means for turning the spindle and the arm.

1,565,815. PRODUCTION OF CELLULOID PRINTING PLATES FOR USE IN THE BICHROMATE PRINTING PROCESS. HEINRICH RENCK, Hamburg, Germany. Filed Nov. 4, 1924. Serial No. 747,868. 3 Claims. (Cl. 95—5.6.)

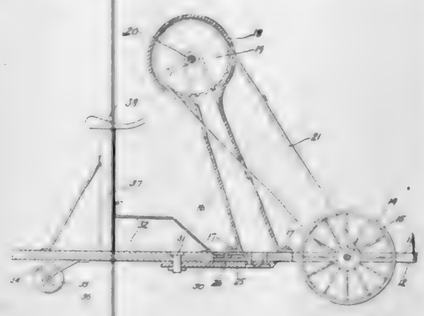
1. The art of making celluloid printing plates, which comprises softening the surface of a celluloid plate by a suitable solvent, coating the softened surface with an aqueous solution of gelatine containing a softening medium for celluloid, bichromating the gelatine coating and exposing and developing the plate so made.

1,565,816. CHEESE CUTTER. GEORGE DEWEY RITCHIE, Madison, W. Va. Filed July 7, 1925. Serial No. 41,983. 1 Claim. (Cl. 31—24.)



In a cheese cutter comprising a base, a casing secured thereon and open at its respective ends, a pair of vertical standards arranged on the base adjacent the respective sides of the casing adjacent the forward end thereof, a vertically reciprocating knife operable between said standards, guide means therefor, a carrier for the knife, a top plate extending across the upper end of said standards, said plate being slotted longitudinally from one end to a point adjacent the other end thereof to permit the sliding movement of the aforementioned carrier, means for feeding a block of cheese in the casing to said knife; the combination of a removable strip for closing the slotted end of the top plate.

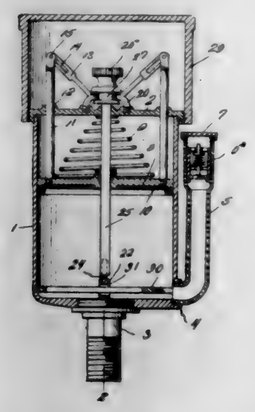
1,565,817. VELOCIPEDE. PAUL SCHIMMEL, New York, N. Y. Filed Jan. 9, 1925. Serial No. 1,357. 5 Claims. (Cl. 208—113.)



1. A vehicle comprising an articulated body, a pedestal on said body, a driving wheel on the front of said body, hand propelled means mounted in said pedestal for rotating the driving wheel, and a seat on the rear of said body behind the pedestal.

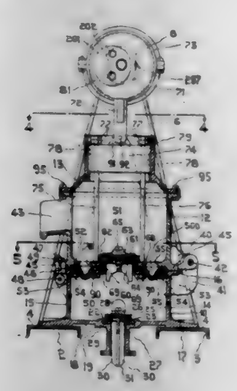


1,565,818. EVEN FEED GREASE RESERVOIR. LOUIS R. SIROIS, Portland, Me. Filed Mar. 13, 1925. Serial No. 15,277. 3 Claims. (Cl. 184—45.)



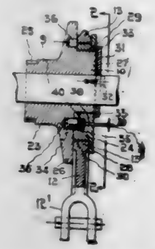
1. In a grease reservoir, a spring actuated discharge follower, a valve, a stem for operation of the valve having an annular groove at its top and passing through the follower, a cam rotatable in the groove for lifting the stem and opening the valve, and means operatively connected to said follower, and to said cam whereby the follower will control the valve so that said valve will be open to a greater extent as the spring loses its tension.

1,565,819. PUMP. MALCOLM B. SAUNDERS, Owen Sound, Ontario, Canada, assignor to The Iron Works Limited, Owen Sound, Ontario, Canada, a Corporation of Canada. Filed June 29, 1922. Serial No. 571,644. 8 Claims. (Cl. 103—151.)



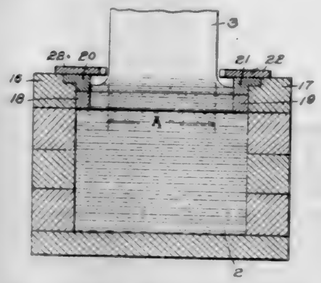
1. In a diaphragm pump a casing divided into a pair of sections hingedly connected together, said sections having abutting edges, means for clamping the said sections together with their edges directly abutting each other; a diaphragm disposed across the casing adjacent the plane of said division with the circumferential edge of the diaphragm located within the inside diameter of the casing, and means for securing the diaphragm upon one of said sections independently of said abutting edges.

1,565,820. TRANSMISSION OF POWER. MALCOLM B. SAUNDERS, Owen Sound, Ontario, Canada, assignor to The Iron Works Limited, Owen Sound, Ontario, Canada. Original application filed June 29, 1922, Serial No. 571,644. Divided and this application filed July 28, 1923. Serial No. 654,429. 4 Claims. (Cl. 74—1.)



1. The combination with a rotary element and a reciprocatory element, of adjustable means effecting an operative connection therebetween, said means including a plurality of eccentrics adjustable relatively to each other, one of said eccentrics having a series of sockets and the other having a movable pin adapted to enter each of said sockets, the axial line of each socket and the pin being disposed parallel to the axis of the rotary element, and means for yieldingly maintaining the pin in position projecting into one of the sockets when the eccentrics are in adjusted position.

1,565,821. APPARATUS FOR DRAWING SHEET GLASS. HARRY G. SLINGLUFF, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Nov. 8, 1921, Serial No. 513,677. Renewed Oct. 16, 1925. 6 Claims. (Cl. 49—17.)

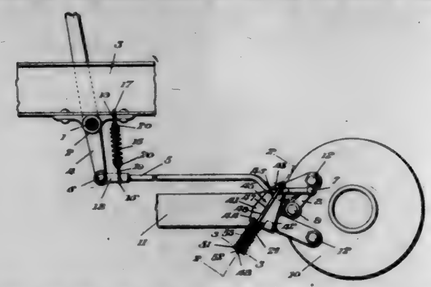


6. In combination in glass drawing apparatus, a drawing tank or receptacle for containing a molten bath of glass, means for drawing a glass sheet transversely with respect to the tank with the loci of generation of the edges of the sheets adjacent the sides of the tank, and slotted adjustable shields mounted at the sides of the tank above the surface of the glass and projecting out over the glass at the said loci of generation for regulating the temperature of the glass at such edges.

1,565,822. ANTIRATTLER. BYRON G. SMITH, Avilla, Ind. Filed Mar. 26, 1921. Serial No. 455,811. 10 Claims. (Cl. 267—1.)

1. A device of the character described comprising a clip having means adapted to move into engagement with a supporting member so as to attach the clip to said member, and spring means engaging said clip and adapted to engage a member movable relatively to the supporting

member, said spring means being so arranged with reference to said means of the clip so that the strain exerted by the spring means on the clip will have a tend-



ency to move said clip on the supporting member in a direction to hold said means of the clip tightly against the supporting member.

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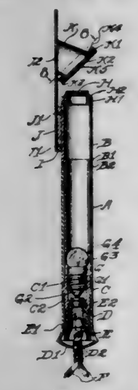
1,565,823. OPTICAL INSTRUMENT. DARWIN STALEY, Memphis, Tenn. Filed Dec. 18, 1924. Serial No. 756,824. 5 Claims. (Cl. 88—20.



1. In an instrument of the kind described, the combination of a tubular body, an oblique mirror supported above the upper end of said body and provided with a sight aperture, a low power lens in the upper end of said body, and an electric lamp in said body spaced from the lens a distance which is long relative to the distance between the lamp and the lens usually found in this art, substantially as described.

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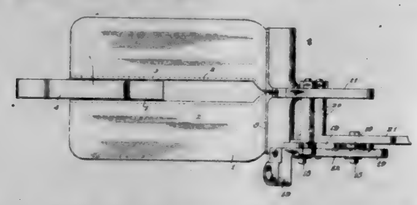
1,565,824. SUPPORT FOR OXY-ACETYLENE TORCHES. JOHN H. STEVENS and NELSON CORY, San Antonio, Tex. Filed June 19, 1924. Serial No. 721,099. 3 Claims. (Cl. 266—23.)



1. A device for the purpose set forth comprising a base plate, means for clamping work thereto, a guide plate secured rigidly upon the base plate, a carrier disposed at one side of the guide plate and parallel therewith, a handle disposed at the opposite side of the guide plate and parallel therewith, and means for rigidly connecting the handle and the carrier, said means being operatively engaged with and extending through the guide plate whereby to impart to the carrier movement along a line corresponding to the contour of the work.

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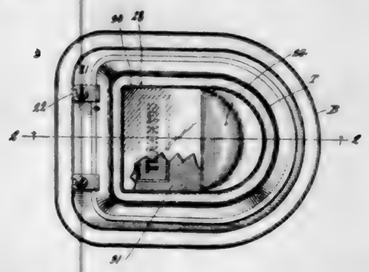
1,565,825. CHANGE TRAY. HOWARD STOKES, Trenton, N. J., assignor to Advertisers Products Corporation, a Corporation of New Jersey. Filed Dec. 30, 1924. Serial No. 758,964. 5 Claims. (Cl. 40—130.)



4. A change tray of the class described including in combination a base, a pair of screws rising from the base at one end thereof, a top in the form of a tray proper having notched lugs extending from one end to engage the screws so that said top will be pivotally mounted on the base, the top having a transparent panel carrying advertising matter, a circuit closer on the base normally holding the free end of the top a slight distance from the adjacent end of the base, a source of illumination on the base for said panel, and a circuit including said source of illumination and the circuit closer.

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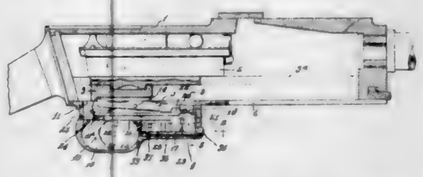
1,565,826. FIREARM. CARL G. SWEBILIUS, New Haven, Conn., assignor, by mesne assignments, to The Marlin Firearms Corporation, New Haven, Conn., a Corporation of Delaware. Original application filed May 15, 1919, Serial No. 927,201. Divided and this application filed Oct. 6, 1920, Serial No. 415,040. Renewed Oct. 7, 1925. 21 Claims. (Cl. 42—69.)

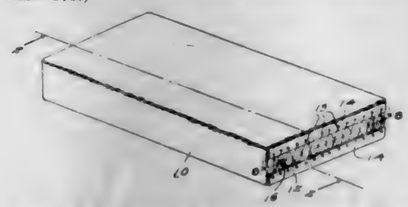


1. In a firearm, a trigger capable of reciprocation only, a sear pivotally mounted adjacent said trigger, means for normally maintaining said sear and trigger in a predetermined relation to each other, and members on each of said elements having faces substantially oblique and perpendicular to the path of reciprocation of said trigger, the said oblique faces being opposed to each other in the normal position of the sear and trigger.

18. In an automatic firearm, a trigger, means to differently limit the operation of said trigger whereby the firearm is adapted for volley firing, single-shot firing or locked condition, and means for setting said limiting means, said means being characterized by the fact that the change from volley to single-shot firing, from single-shot to volley, or from locked condition to either volley or single-shot may be made merely by pressure applied solely to said slide, but that the change from volley or single-shot firing can be made only after a positive and intentional operation of said setting means.



1,565,827. PNEUMATIC AUTOMOBILE SEAT OR CUSHION. WILLIAM C. SWEENEY, Pueblo, Colo. Filed Apr. 14, 1925. Serial No. 23,013. 1 Claim. (Cl. 155—179.)



A seat of the character described comprising a casing, rectangular frames within the casing adjacent the top and bottom, a sheet covering said frame at top and bottom and at the sides, a partition midway of the ends of said sheet and secured thereto, the side walls of said sheet and said partition being double ply, reinforcing elements located between the said plies, pneumatic cushions disposed within the sheet in abutment with said partition, the ends of said casing constituting closures and comprising flaps, said flaps having eyelets, laces coacting with said eyelets, and chafing flaps inwardly of said flaps, said chafing flaps having openings to facilitate access to the valve means of said cushions.

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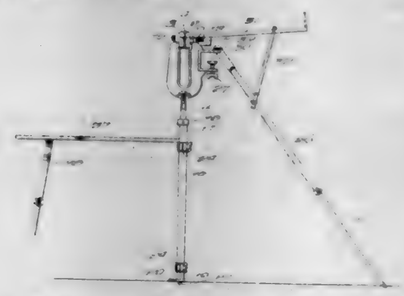
1,565,828. SAW-FILING CLAMP. JOHN SEAKO, New York, N. Y. Filed July 2, 1924. Serial No. 723,844. 7 Claims. (Cl. 76—78.)



4. In combination, a saw clamp, supporting legs for the clamp, a pair of braces interconnecting said legs, the upper brace having spaced apertures, a seat, and projections carried by said seat adapted to engage said apertures.

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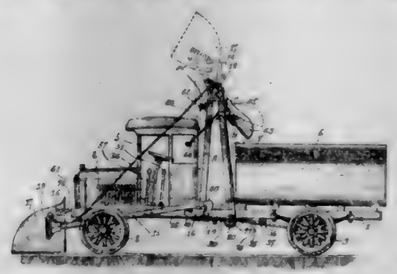
1,565,829. LOADING MACHINE. PAUL THIBAUDEAU, Quebec, Canada, assignor of thirty per cent to Alexander John Welch, Quebec, Canada. Filed Apr. 29, 1925. Serial No. 26,757. 1 Claim. (Cl. 214—78.)



A loading machine comprising in combination with a vehicle, a main shaft journaled on said vehicle, a pair of arms secured to said shaft, a bucket carried by said arms, a power shaft for actuating said arms, a clutch mounted in the power shaft, a rod journaled in parallel relation to said main shaft, a lever secured to said rod and adapted to actuate said clutch, a cam carried by the main shaft and adapted to engage said lever, and a linkage is secured to the rod for independently actuating the lever.

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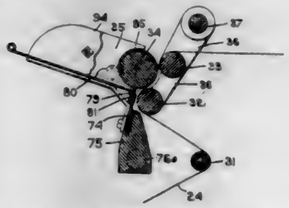
1,565,830. SPREADER. ANDREW THOMA, Cambridge, Mass., assignor to Abraham Sydeman, Boston, Mass. Filed July 15, 1918, Serial No. 244,849. Renewed Apr. 29, 1924. 15 Claims. (Cl. 91—49.)



1. A spreader, having, in combination, a two-point support for a web, a coating device operating upon the web between and out of web-nipping contact with the points of support, and a carrier for the support movable to bring the web into and out of engagement with the coating device.

11. A spreader, having, in combination, a receptacle for coating material, a spreading roll for applying the coating material to a web, and a gate arranged normal to the bottom of the receptacle for determining the thickness of the coating applied to the web by the roll.

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1,565,831. CABLE SPLICE. CHARLES VIGNOS, Canton, Ohio, assignor to The American Mine Door Co., Canton, Ohio, a Corporation of Ohio. Filed May 14, 1923. Serial No. 638,848. 1 Claim. (Cl. 173—263.)

A cable splicing sleeve of bendable metal having relatively inclined opposed side edges adapted to ride upon and past each other circumferentially of the sleeve in the act of compression, said edges each having stop shoulders formed therein at right angles thereto and inclined surfaces connecting said stop shoulders whereby the opposed shoulders are adapted to abut and prevent expansion of the sleeve.

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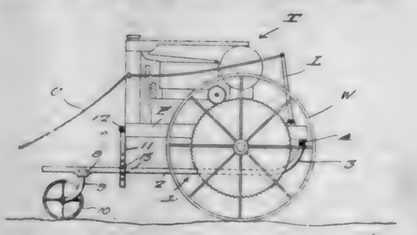
1,565,832. TRACTOR DRAWBAR STRUCTURE. ELMER E. WATERMAN, Remus, Mich. Filed July 31, 1924. Serial No. 729,325. 2 Claims. (Cl. 280—33.44.)



1. A draw bar structure comprising a frame having the side bars of its forward end upturned and adapted to be pivotally connected with the frame of the tractor, independently movable casters carried by the rear ends

of the side bars of the frame, and means for adjustably connecting the rear end portion of the frame to the corresponding end of the tractor.

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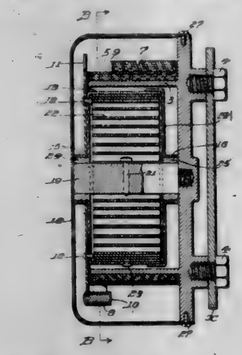
1,565,833. MOTION-CONTROLLING MECHANISM. JOHN WARREN WATSON, Wayne, Pa. Filed Aug. 7, 1919. Serial No. 315,794. 62 Claims. (Cl. 267—10.)



1. In mechanism adapted for use in connection with two relatively movable elements for checking their relative motion in one direction, a drum adapted to be secured to one of said elements, a friction member, in the form of a split ring, in contact with said drum, a power transmitting member secured to said friction member, and adapted to be secured to said other element, a spring connected to said drum and to said friction member and tending to rotate said friction member with relation to said drum and also tending to wind said power transmitting member upon said friction member, said power transmitting member being attached to said friction member at a point thereon which makes it possible for the device to operate throughout its working range without necessitating that said power transmitting member be wound upon said friction member beyond the gap in said friction member.

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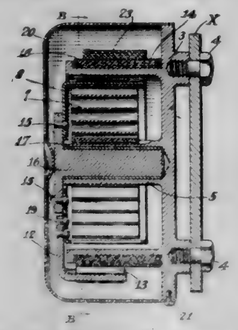
1,565,834. MOTION-CONTROLLING MECHANISM. JOHN WARREN WATSON, Wayne, Pa. Filed Mar. 30, 1920. Serial No. 369,870. 17 Claims. (Cl. 267—10.)



1. In mechanism for retarding motion between two relatively movable elements, a drum adapted to be secured to one of said elements, a friction member in contact with said drum and adapted to be connected with said other element, a spring so associated with said drum and said friction member as to tend to relatively move them in one direction, a retainer for said spring and a bearing for said retainer, said bearing being supported by the inside of a hollow member located within the inner convolution of the spring.

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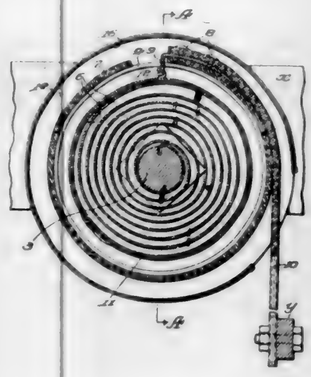
1,565,835. MOTION-CONTROLLING MECHANISM. JOHN WARREN WATSON, Wayne, Pa. Filed Apr. 19, 1920. Serial No. 374,806. 33 Claims. (Cl. 267—10.)



1. In mechanism for retarding motion in one direction between two relatively movable elements, a plurality of coaxially arranged drums adapted to be secured to one of said elements, a friction member in contact with said drums and adapted to be secured to said other element, and a spring so associated with one of said drums and said friction member as to tend to relatively move them in one direction.

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1,565,836. AMMUNITION SUPPLY APPARATUS FOR GUN TURRETS IN WHICH TWO OR MORE GUNS ARE MOUNTED. THOMAS HERBERT WEBSTER, London, England. Filed Sept. 14, 1925. Serial No. 56,324. 4 Claims. (Cl. 89—45.)



1. In ammunition supply apparatus for a multiple-gun turret, in combination with the turret trunk, a plurality of hatches in said trunk at different levels, distinct and separate paths for projectiles encircling said trunk at the levels of said hatches and of a number equal to the number of guns, and independent means for delivering projectiles to said paths, whereby separate and non-intersecting streams may pass to the several hatches.

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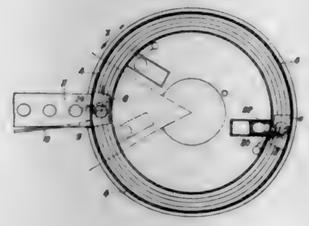
1,565,837. AMMUNITION SUPPLY APPARATUS FOR GUN TURRETS. THOMAS HERBERT WEBSTER, London, England. Filed Sept. 14, 1925. Serial No. 56,325. 10 Claims. (Cl. 89—45.)

2. In ammunition supply apparatus for gun turrets, in combination with a turret trunk having a hatch, a track surrounding the turret trunk and passing the



hatch, a stationary platform adjacent to the track, at least two trolleys arranged to travel in the same direc-



tion on the track, and automatic means for stopping and restarting each trolley at the platform and hatch, and means for preventing collision between two trolleys.

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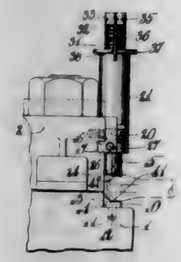
1,565,838. GAUGING DEVICE. WADE H. WISEMAN, Michigan City, Ind., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 13, 1920, Serial No. 395,950. Renewed May 27, 1924. 40 Claims. (Cl. 76—5.)



40. A gauging mechanism comprising means presenting a supporting surface, a gauging die, and means for holding said die against horizontal movement on said surface, said means being vertically movable to allow removal of said die.

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1,565,839. TREATMENT OF CEMENTITIOUS MATERIAL. KASPAR WINKLER, Allstetten, Switzerland. Filed Dec. 14, 1920. Serial No. 430,692. 2 Claims. (Cl. 106—27.)

1. A process of treating cementitious material, comprising the step of gaging the material with a solution of calcium chloride of about 23° Bé., to which a quantity of a finely-pulverized oxide of manganese not exceeding 3% has been added, instead of with water.

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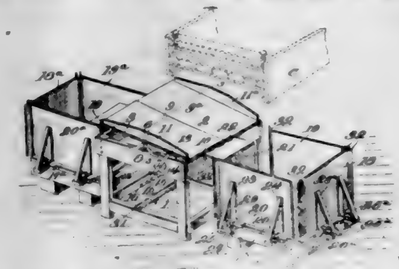
1,565,840. TIN-PLATE-PILING APPARATUS. STANLEY C. WISE, Canonsburg, Pa., assignor to Continental Can Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed May 26, 1924. Serial No. 715,960. 8 Claims. (Cl. 214—6.)

1. A sheet piling apparatus for a tin plate cleaning machine comprising a receiving table on to which the sheets are discharged in succession from the cleaning machine, a piling skid at each side of the table, means for including the table so that the sheets received thereby



will slide either to one side or the other on to a piling skid, and means associated with each piling skid for evenly piling the sheets thereon.

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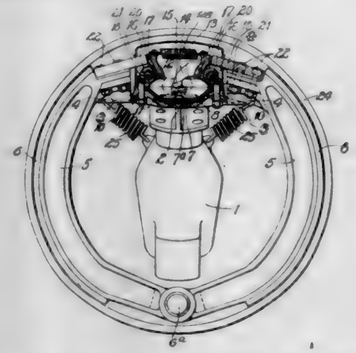
1,565,841. AIR BRAKE FOR AUTOMOBILES. HERBERT W. ALDEN, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a Corporation of Ohio. Filed May 3, 1924. Serial No. 710,763. 7 Claims. (Cl. 188—152.)



6. In an automobile brake mechanism, brake shoes, contact plates secured to the end of each brake shoe, bell crank levers with their fixed fulcrum points near the middle thereof and each engaging one of said contact plates to operate a brake shoe, and a spring secured to said bell crank levers and tending to pull them away from said contact plates.

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1,565,842. GRINDER ROLL. OTTO ARAM, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 4, 1922. Serial No. 549,492. 13 Claims. (Cl. 83—12.)

1. In the art of constructing grinder rolls for stoker furnaces in which the rolls comprise a cylindrical member provided with projecting teeth, the method of construction such rolls of varying lengths which consists

in preparing a plurality of semi-cylindrical castings of a unit length, preparing a plurality similar castings of twice the unit length, all said castings having identically disposed openings for the reception of teeth and bolts, preparing a plurality of teeth of a single size and pattern, then assembling the teeth in a number of castings requisite to form when assembled a roll of the length required and securing the semi-cylindrical castings to each other in overlapping relation about a square shaft with the teeth abutting said shaft cut to a requisite length to form the desired toothed cylindrical grinder roll.

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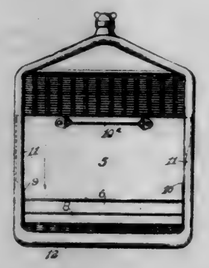
1,565,843. AUTOMOBILE RADIATOR SHIELD. EMILE J. BARNES, Salina, Kans. Filed July 21, 1922. Serial No. 576,538. 2 Claims. (Cl. 257—132.)



2. An air shield for automobile radiators comprising a metal sheet having its upper portion of a length greater than the width between the vertical sides of a radiator case and having its lower corner portions cut-away, the lower portion of said sheet being doubled to produce an overhanging flange forming a groove for the reception of the lower cross portion of the radiator case.

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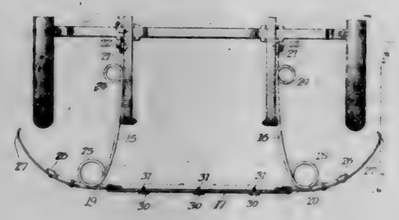
1,565,844. AUTOMOBILE BUMPER. HELGE A. BORRESEN, Chicago, Ill. Filed May 26, 1923. Serial No. 641,643. 14 Claims. (Cl. 293—55.)



14. In an automobile bumper the combination of supports coiled intermediate their ends and cables extending from one support to the other, said cables being maintained in extended condition by means of said coiled supports.

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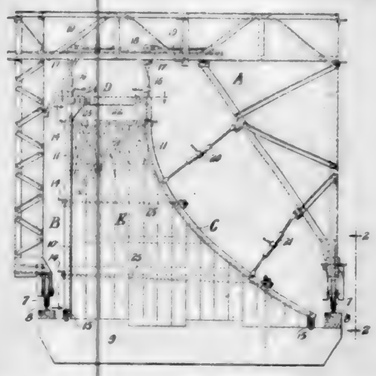
1,565,845. METHOD OF AND APPARATUS FOR CONSTRUCTING WALLS. CHRISTIAN BRYNOLDT, Pittsburgh, Pa., assignor to Blaw-Knox Company, a Corporation of New Jersey. Filed Apr. 13, 1920. Serial No. 373,531. 12 Claims. (Cl. 25—131.)

1. The herein described process of constructing sea walls and the like from plastic material such as concrete which consists in casting a section with a form, in removing the bulkhead of the form and laterally exposing the end of the cast section while the concrete is still



green, in setting up a new form overlapping the portion of the cast section exposed as aforesaid with the old form in place, and in casting the contiguous section.

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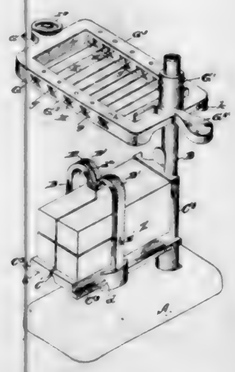
1,565,846. BUTTER CUTTER. JOSEPH A. CANTEY, Detroit, Mich. Filed Nov. 17, 1924. Serial No. 750,265. 4 Claims. (Cl. 31—23.)



1. In a device of the class described having a butter brick supporting platform, the combination of a slidable frame adapted to receive a single continuous strand of wire having a plurality of return bends and bridging the fraime, means movably mounted on the frame at the said return bends of the wire and supporting the latter and movable with the wire when the same is stretched, means engaging said strand of wire whereby its return bends may be severally and uniformly brought under tension and means for securing the wire against release when under tension.

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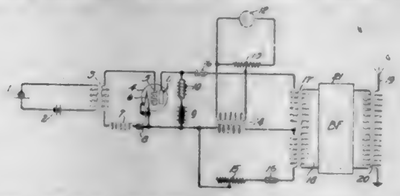
1,565,847. CIRCUITS FOR THE PRODUCTION OF PURE MODULATED CARRIER WAVES. ROY E. CORAM, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 663,334. 6 Claims. (Cl. 179—171.)

1. In combination, a source of alternating current, a variable electric discharge impedance element, a constant impedance of substantially equivalent magnitude, and



two circuits differentially connecting said source to said work circuit and including respectively said variable electric discharge impedance and said constant impedance, whereby alternating current is supplied to said work circuit only during and in proportion to variations in said impedance.



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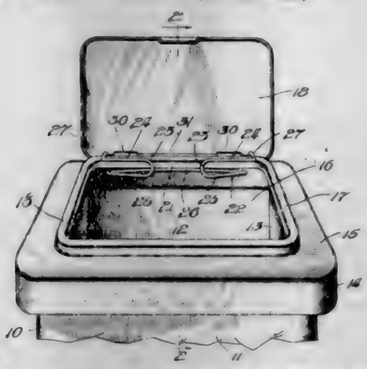
1,565,848. HINGE. TULLY DE STEFANI, Chicago, Ill., assignor to Liquid Carbonic Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 2, 1922. Serial No. 540,637. 7 Claims. (Cl. 215—63.)



1. In combination, a vessel having an opening bounded by an inwardly directed flange, a cover mounted over said opening and a resilient member pivoted on said cover and located entirely beneath said cover with parts thereof gripping the upper and lower sides of said flange.

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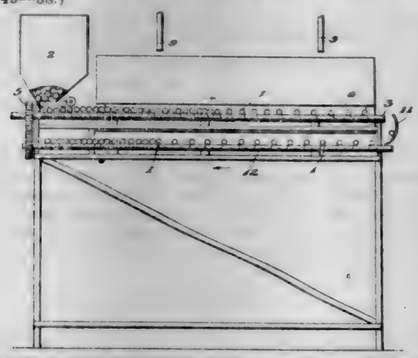
1,565,849. MACHINE FOR MAKING AND FINISHING GLASS BARS, RODS, TUBES, BOTTLE NECKS, AND THE LIKE. VICTOR DURAND, Jr., Vineland, N. J. Filed Sept. 5, 1925. Serial No. 54,786. 5 Claims. (Cl. 49—58.)



1. Means of the character described including feed screws of vaying pitch turning in opposite directions to carry articles placed thereon uniformly lengthwise thereof and to separate them at predetermined points in their travel from one another.

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1,565,850. YARN CLEANER. LOUIS B. HASBROUCK, Elmira, N. Y., assignor to Eclipse Textile Devices, Inc., Elmira Heights, N. Y., a Corporation of New York. Filed Aug. 17, 1922. Serial No. 582,884. 20 Claims. (Cl. 28—70.)

1. A yarn cleaner comprising a member providing a plurality of cleaning edges located at one side of the yarn, and a member having a smooth surface opposite said edges at the other side of the yarn, said members being held against relative movement during the operation of the cleaner and positioned so close to each other that the edges contact with one side of the yarn and scrape impurities therefrom while the smooth surface contacts with the other side of the yarn and prevents fibrous matter scraped from the yarn by the edges from entwining about the yarn.

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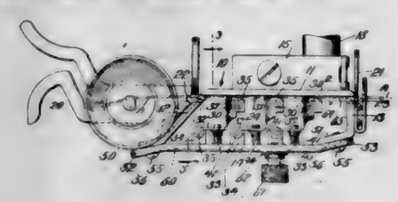
1,565,851. SLUB CATCHER AND YARN CLEANER. LOUIS B. HASBROUCK, Elmira, N. Y., assignor to Eclipse Textile Devices, Inc., Elmira Heights, N. Y., a Corporation of New York. Filed Oct. 30, 1923. Serial No. 671,745. 11 Claims. (Cl. 28—64.)



1. A device of the class described, comprising means providing a flat surface along which a yarn is drawn, a plurality of blades transverse to said flat surface and having edges opposed thereto, a mounting for each blade permitting its edge to move toward and away from said flat surface, and a separate spring arranged to urge each blade toward the flat surface.

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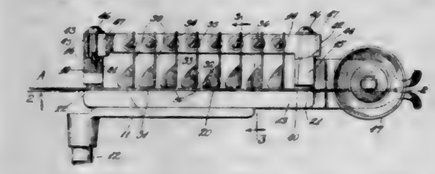
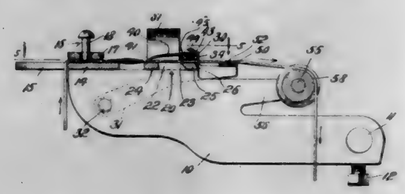
1,565,852. YARN CLEANER. LOUIS B. HASBROUCK, Elmira, N. Y., assignor to Eclipse Textile Devices, Inc., Elmira Heights, N. Y., a Corporation of New York. Filed Oct. 30, 1923. Serial No. 671,746. 13 Claims. (Cl. 28—66.)



1. A yarn cleaner for removing particles from a traveling yarn, comprising a transverse blade having an operative edge at one side of the yarn, means at the other side of the yarn providing a substantially flat smooth surface lying opposite said edge and extending in front of said edge by a distance as great as several times the diameter of the yarn, and means for retaining said surface spaced at a distance from said edge which is less that the normal diameter of the yarn so that the surface lies in contact with the yarn and prevents fibrous matter removed from the yarn by said blade from encircling the yarn.

1,565,853. DEVICE FOR OPERATING ON TRAVELING YARNS. LOUIS B. HASBROUCK, Elmira, N. Y., assignor to Eclipse Textile Devices, Inc., Elmira Heights, N. Y., a Corporation of New York. Filed Oct. 30, 1923. Serial No. 671,747. 28 Claims. (Cl. 28—64.)



1. A self-adjusting device for operating on a traveling yarn, comprising two separable controlling members which are gently urged together and have opposed surfaces between which the yarn passes, and opposed operative elements positioned to act on the yarn at a distance from said controlling members and so connected to said members respectively that when the distance between the controlling members is increased by the use of a larger yarn or decreased by the use of a smaller yarn the distance between the operative elements is correspondingly increased or decreased so that they are spaced from each other by a distance which is determined by the extent to which the surfaces of the controlling members are separated by the yarn.

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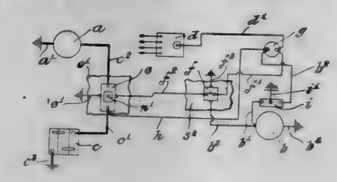
1,565,854. STARTER FOR INTERNAL-COMBUSTION ENGINES. JOHN HASSELBRING, Jr., Farmingdale, N. Y. Filed Nov. 29, 1921. Serial No. 518,542. 8 Claims. (Cl. 290—37.)



2. A starter for internal combustion engines embodying therein a motor adapted to be operatively connected with an engine shaft, a generator driven from the engine, an electric battery, electrical connections whereby said battery may be placed in circuit with said motor, a normally open make and break mechanism in said circuit, a primary controller operative upon said make and break mechanism, consisting of a magnet, electrical connections whereby said magnet is placed in circuit with said battery, and a normally closed make and break mechanism arranged in said circuit, a secondary circuit controller consisting of an electromagnet operative upon said last named make and break mechanism, and electrical connections whereby said magnet is placed in circuit with said generator, a manually operative switch mechanism adapted to simultaneously close the circuit to the ignition system of an engine and to said primary controller, whereby the closing of said manually operative switch will energize said primary controller to cause the closing of the circuit to said starting motor, and when the engine is operating under its own power, said generator will energize the magnet of said secondary controller to interrupt the circuit to the magnet of said primary controller, and cause the circuit to said motor to be interrupted, and manually operative means whereby the make and break mechanism arranged in the circuit to the magnet of said primary controller may be actuated independently of the secondary controller magnet to interrupt the circuit to said primary controller magnet.

1,565,855. VACUUM TUBE. JOHN B. JOHNSON, Elmhurst, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 26, 1920. Serial No. 426,505. 28 Claims. (Cl. 171—95.)

5. A vacuum tube comprising an evacuated vessel, a cathode, an anode, a press, and a tubular member of insulating material mounted upon said press and supporting said anode, said cathode being located within said tubular member.

21. A vacuum tube comprising an evacuated vessel containing a stem, a cathode, an anode supported by said stem, and a plurality of parallel plates supported by said stem.

28. A vacuum tube comprising a cathode, an anode, a screen for intercepting a beam of rays from said cathode, means for deflecting said beams, and means comprising an electrode remote from said first means and adjacent said screen for reducing the space charge in said tube.

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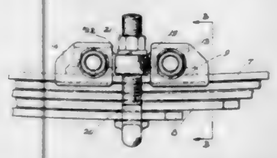
1,565,856. CLAMP FOR VEHICLE LEAF SPRINGS. ALEXANDER F. KAPTULLER, Chicago, Ill. Filed July 8, 1922. Serial No. 573,617. 12 Claims. (Cl. 267—53.)



1. A clamp for vehicle leaf springs comprising a base adapted to be positioned against the face of one of the outer leaves of the spring, self positioning members associated with the respective sides of said base and adapted to bear against the opposite edges of one of said leaves, and means to secure said members in binding engagement with said leaf.

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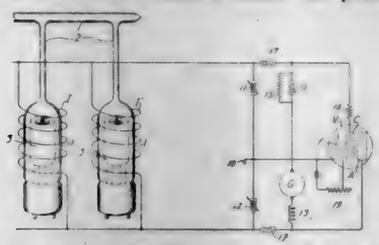
1,565,857. VACUUM-TUBE MANUFACTURE. MERVIN J. KELLY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1921. Serial No. 481,610. 6 Claims. (Cl. 250—27.)

1. A method of exhausting a vacuum tube having an anode by the use of a thermionic oscillator having an inductive element which comprises surrounding said vacuum tube to said inductive element and producing



a high frequency electromagnetic field in said inductive element to directly heat the anode of said vacuum tube.



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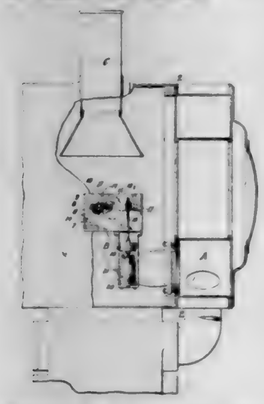
1,565,858. METHOD OF AND APPARATUS FOR CONTROLLING BACK PRESSURE AND DRAFT IN LOCOMOTIVES. DAVID MILLER LEWIS, Milwaukee, Wis., assignor to Lewis Draft Appliance Company, a Corporation of Illinois. Filed Apr. 15, 1920. Serial No. 374,019. 26 Claims. (Cl. 162—8.)



1. The combination in a locomotive drafted by its exhaust steam, of means operating to change the intermittent exhaust from the cylinders into a substantially continuous draft blast, and a governor for regulating the draft blast.

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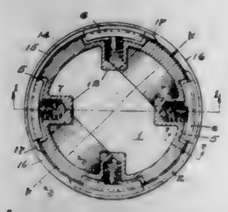
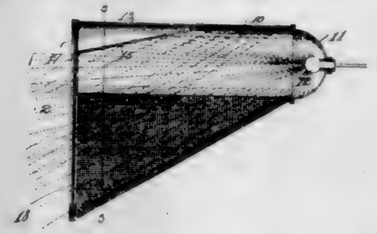
1,565,859. PISTON AND PISTON RING. FREDERICK A. LITTER, Columbus, Ohio, assignor, by mesne assignments, to The Litter Piston Mfg. Company, Charleston, W. Va., a Corporation of West Virginia. Filed Dec. 4, 1922. Serial No. 604,671. 10 Claims. (Cl. 74—109.)



1. Piston construction comprising a groove having parallel sides positioned in single planes, split rings for said groove having a portion of their adjacent surfaces chamfered and part of their length of rectangular cross-section, and means for maintaining the rectangular section of one ring opposite the joint of the other ring.

1,565,860. AUTOMOBILE HEADLIGHT. EDGAR H. LUKENBILL, Lincoln, Ill. Filed Oct. 16, 1924. Serial No. 743,994. 1 Claim. (Cl. 240—41.)



An automobile headlight including a forwardly flared casing the lower portion of the interior of which is nonreflective, a source of light and a reflector in the smaller end of the casing, an opaque shield covering the upper portion of the lens of the lamp casing, and an inclined flat reflector extending from the lower portion of said shield upwardly and rearwardly to a point intermediate the length of the top of the casing.

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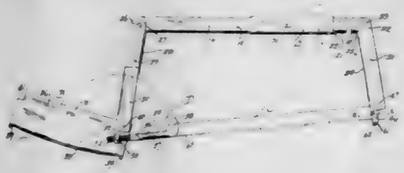
1,565,861. COLLAPSIBLE HACK SAW. ERASTUS WILLIAM MCINTIRE, Price, Utah. Filed May 6, 1921. Serial No. 467,255. 8 Claims. (Cl. 145—35.)



2. A saw, comprising in combination a frame, a lever pivotally connected to one end of said frame, a nut oscillatively carried by said lever adjacent the pivot connection of said lever with said frame, a bolt adjustably disposed in said nut, and a blade adapted for connection to said bolt and to an end of said frame whereby upon rocking of said lever said blade will be tensioned between its supporting points to place the same in operating position.

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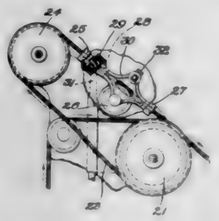
1,565,862. STRAND-TWISTING MECHANISM. HENRY ROGERS MASSINGHAM, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 16, 1924. Serial No. 693,211. 1 Claim. (Cl. 117—18.)



In a twisting machine, means for twisting strands together, a device for drawing twisted strands from the twisting means, means for guiding the twisted strands back to the drawing device, and means interposed between said guiding means and said drawing means for giving the strands two twists in opposite directions as they pass from said guiding means to said drawing means, said

means comprising a single pulley having its periphery in line with the normal path of the strands between the drawing means and guiding means and adapted to receive one complete turn of the strand thereabout, said pulley rotatable about its axis in the direction of movement of the twisted strands and rotatable bodily at right angles to its direction of rotation around its axis.

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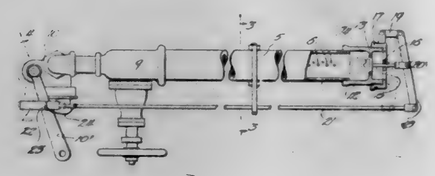
1,565,863. SHOWER PIPE. JAMES T. MURPHY, Chicago, Ill., assignor of one-half to James L. Carey, Chicago, Ill. Filed Oct. 23, 1922. Serial No. 596,271. 5 Claims. (Cl. 92—50.)



1. A shower pipe for paper machinery comprising, a pipe having an inlet and an outlet end, said outlet end having a valve seat formed therein, a valve for coacting with said seat, said pipe having a plurality of longitudinally spaced openings formed therein, a water pipe and a steam pipe connected with the inlet end of said shower pipe, said pipes being provided with valves for controlling the flow to said shower pipe, and a link detachably connecting said first-named valve and the valve in said steam pipe.

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1,565,864. METHOD OF CONVERTING VEGETABLE FIBER TO PULVERIZED FORM. EARL B. PUTT, New York, N. Y., assignor of one-third to Herman Theaman and one-third to Maurice Bluhm, both of New York, N. Y. Filed July 15, 1925. Serial No. 43,885. 6 Claims. (Cl. 92—9.)

1. The process of converting a vegetable fiber to a pulverized, structural form which consists in immersing a quantity of said fiber in a dilute acid, heating the mixture until the fiber settles, filtering the fiber from the acid, washing and then drying the filtered mass and then pulverizing the product.

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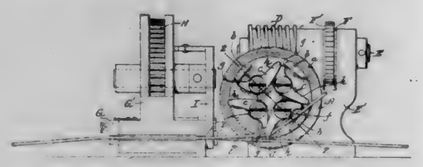
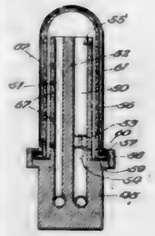
1,565,865. PACKAGE-BINDING IMPLEMENT. VINCENT RAGONA, Brooklyn, N. Y., assignor to Cary Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Oct. 5, 1922. Serial No. 592,493. 9 Claims. (Cl. 254—161.)



1. In a device of the class described, a rotatable head provided with an abutment, and a double ended gripper both ends of which are engageable with a wire, said gripper being rotatable with said head and positioned for one of said gripper ends to co-operate with said abutment in retaining the wire in a non-slipping relation to the head.

1,565,866. FLOW METER. RUDOLPH W. SCHROEDER, Chicago, Ill. Filed Feb. 16, 1921. Serial No. 445,508. 7 Claims. (Cl. 73—167.)



1. In a device of the character described, a standpipe with parallel chambers therein, one for the inlet of liquid and the other for the outlet of liquid, a transparent casing providing a chamber surrounding said standpipe, a longitudinal slot in the wall of said inlet chamber communicating with the chamber surrounding said standpipe, and a piston movable in the inlet chamber and having a pointer thereon projecting through said slot for indicating the instantaneous flow of fluid through said device.

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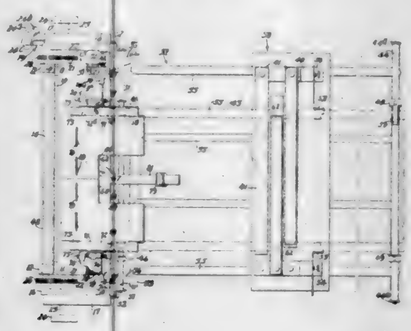
1,565,867. TYPEWRITING MACHINE. JESSE A. B. SMITH Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 23, 1922. Serial No. 596,323. 23 Claims. (Cl. 197—126.)



1. In a front-strike typewriting machine, in combination, a cylindrical platen, a collating table at the delivery side thereof to receive a continuous web and a narrower work-sheet positioned between the web and the platen, said table having a chute of suitable width to receive and side guide the work-sheet, and gripping means at both sides of said collating table beyond the bounds of said chute to detain the web while the work-sheet is advanced in the chute to effect a spacing of the lines typed on the work-sheet greater than that of the lines typed on the web.

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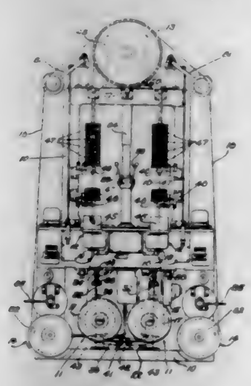
1,565,868. STRAND OR CORD WORKING MACHINE. CLARENCE GRIFFITH STOLL, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1923. Serial No. 683,623. 9 Claims. (Cl. 117—34.)

1. In a strand working apparatus, two spools of strand material, a mechanism for binding said strand material together, said mechanism having a serving device and guide associated therewith, a rotatable member for rotatably supporting each of said spools at an angle and



with their heads adjacent whereby the feed of the strand material therefrom is focused on said guide, and means for locking said member against rotation.

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1,565,869. ETCHING. WALTER ADDISON STRAW, Wheaton, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 20, 1923. Serial No. 681,823. 7 Claims. (Cl. 41—42.)

1. A method of etching, which consists in applying an agent directly to the material to be etched, which agent alone will not cause etching, and then immersing the object to be etched into an acid which will not alone cause etching, the mixture of the two agents forming a compound which will cause etching.

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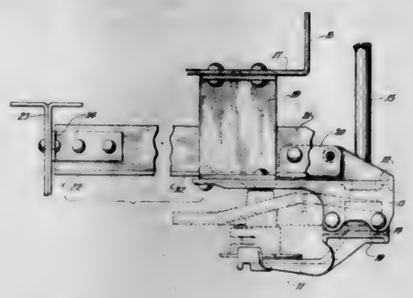
1,565,870. MOUNTING FOR BRAKE GEARS. SVEN JULIUS STRID, Chicago, Ill., assignor to Fred Mathews, Chicago, Ill. Filed Aug. 5, 1925. Serial No. 48,428. 5 Claims. (Cl. 74—121.)

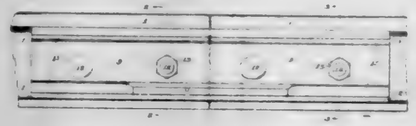


1. A mounting for a brake gear for railway cars comprising top and bottom castings united in spaced relation and between which the gear-elements are journaled, spaced straps secured pendently to the car and connected to and supporting said top and bottom castings, and a brace bar connected at one end to the aforesaid structure and extending longitudinally of the car and secured at its opposite end to a cross member of the car.





1,565,871. RAILWAY-RAIL JOINT. ROBERT A. THOMANN and JACOB A. HYLE, St. Louis, Mo.; said Hyle assignor to said Thomann. Filed Jan. 9, 1925. Serial No. 1,383. 9 Claims. (Cl. 238—244.)



1. A rail joint of the character described, comprising track rails, a splice bar formed with a reinforced upper end portion and of uniform thickness throughout its remaining portion, and an elongated slot cut therethrough above its longitudinal centre, and means adapted to be gradually adjusted within and through said slot for causing the reinforced end of the splice bar to be flexed tightly against the lower surface of the rail tread.

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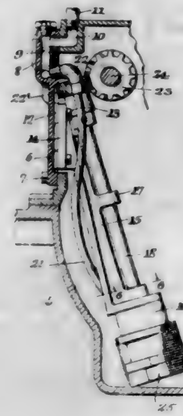
1,565,872. OIL PUMP. JOHN R. TRAUTNER, Red Wing, Minn. Filed July 25, 1925. Serial No. 46,061. 5 Claims. (Cl. 103—218.)



1. In a device of the character described, a supporting plate, a pump bracket formed integral with the plate and disposed at an oblique angle with respect thereto, bearings forming a part of the bracket, a pump shaft supported within the bearings and carrying a pump element at its lower end, said bracket and pump shaft adapted to be moved bodily with the plate, and a pipe extending from the pump adjacent to the plate, to deliver fluid therethrough.

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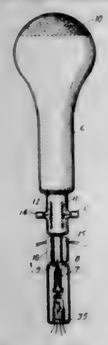
1,565,873. VACUUM TUBE AND METHOD OF OPERATING THE SAME. HENDRIK J. VAN DER BIJL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 10, 1920. Serial No. 402,527. 11 Claims. (Cl. 250—27.)

1. In combination, a gas tight enclosure containing means including an electron emitting cathode for producing independent of gas ionization a narrow beam of

cathode rays, a screen for receiving said rays and an atmosphere of gas incapable of producing rapid deterioration of the cathode in said enclosure at such a pressure



as to substantially prevent diffusion of said beam, said enclosure being substantially free of gas capable of producing rapid deterioration of the cathode.

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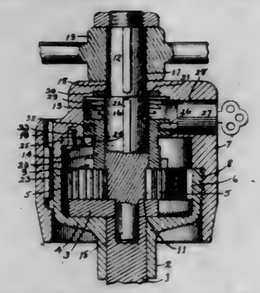
1,565,874. MOTOR VEHICLE LOCK. LOUIS C. VANDERLIP, Elkhart, Ind. Filed June 4, 1923. Serial No. 643,158. 12 Claims. (Cl. 70—129.)



2. In an automobile steering gear lock, the combination with steering gear including a rotary steering post, a housing, a cover for said housing, and planetary gears within said housing for steering post actuation, of a steering wheel mount provided with a sun-gear which is in constant mesh with said planetary gears, and clutch means splined to said wheel mount within said housing and movable axially thereof for locking said wheel mount to said housing cover to prevent rotation of said wheel mount.

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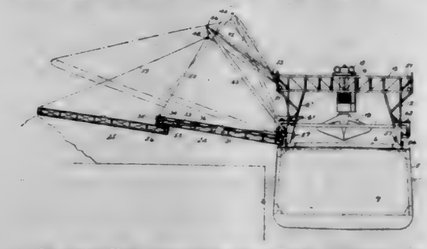
1,565,875. UNLOADING APPARATUS FOR VESSELS. GEORGE VON HAASE, Detroit, Mich. Filed July 28, 1923. Serial No. 654,330. 7 Claims. (Cl. 214—12.)



1. In unloading apparatus for vessels, a gantry crane mounted for movement longitudinally of the vessel, a trolley movable transversely of the vessel on the crane, a bucket suspended from the trolley for vertical movement, a hopper demountably secured upon the sides of the crane, and a series of conveyors nested between the sides of the crane when not in use and laterally movable beyond the sides of the crane to varying distances.

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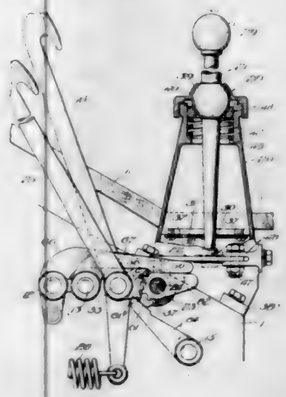
1,565,876. OPERATING MEANS FOR AUTOMOBILE TRANSMISSION GEARING. FREDERICK G. WACKER, Chicago, Ill. Filed Nov. 27, 1922. Serial No. 603,661. 12 Claims. (Cl. 74—89.)



1. A gear-shifting mechanism comprising, in combination with a plurality of parts to be moved, a controlling element bodily movable to selective positions for respective co-action with said parts to be moved and movable angularly to actuate the selected part, a hand-operable, universally-movable, vertically-arranged control lever operatively connected with the said controlling element to bodily move it to selective position, and a pedal for moving said controlling element angularly to actuate the selected part.

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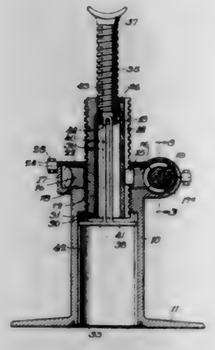
1,565,877. JORDAN SHELL LINER. WALTER WERNER, Hoosick Falls, N. Y., assignor to The Noble & Wood Machine Co., Hoosick Falls, N. Y., a Corporation of New York. Continuation of application Serial No. 667,738, filed Oct. 10, 1923. This application filed June 4, 1925. Serial No. 34,906. 5 Claims. (Cl. 92—27.)

1. In a lining unit for a Jordan shell, a liner frame comprising a plurality of metal split rings; end pieces securely attached to the ends of said rings so as to hold said rings in spaced relation to each other; a bar, with bolt holes therein, secured to said rings at points intermediate the ends thereof; a plurality of knife bars with undercut notches in the back thereof; and a plurality of spacers with undercut notches in the back thereof; said knife bars and said spacers slidable on said split rings.



1,565,878. LIFTING JACK. JOHN M. WHITE, Evanston, Ill., assignor to William E. Pratt, Chicago, Ill. Filed June 13, 1924. Serial No. 719,735. 2 Claims. (Cl. 254—102.)



1. A lifting jack comprising a standard, a supporting member having a threaded engagement with said standard and provided with a longitudinal keyway, said standard being provided in its upper part with a housing, a worm wheel mounted in said housing and having a key engaging said keyway, a worm mounted in said housing and meshing with said worm wheel, means for operating said worm, a second supporting member having a threaded engagement with said first-named supporting member, said second supporting member being hollow, a controlling member having a stem adapted to extend into said hollow supporting member, said stem being slotted, a pin fixed in said second supporting member and engaging said slotted controlling member, and a transverse member formed on said controlling member beneath said first-named supporting member, said first-named supporting member being provided on opposite sides thereof with keyways adapted to be engaged by the ends of said transverse member.

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1,565,879. BUILT-UP TRUSS. WILLIAM E. WHITE, Chicago, Ill., assignor to Kalman Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Apr. 17, 1925. Serial No. 23,857. 5 Claims. (Cl. 20—37.)

1. An end connection for the chords of a truss, comprising a web of substantially the depth of the truss, the upper and lower marginal edges of the web being thickened, and an extension from one side edge providing a flanged seat.

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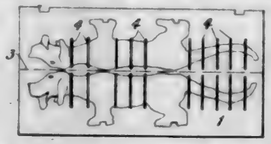
1,565,880. PROCESS OF MAKING FLEXIBLE ARTICLES. ALLEN B. WILDER, St. Louis, Mo., assignor to Wilder Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 8, 1923. Serial No. 673,485. 6 Claims. (Cl. 46—37.)

1. The improvement in the process of making flexible articles, which consists in cutting parallel slots in a sheet, said slots terminating short of the margins of said sheet, securing a strip of flexible material to said sheet



crosswise of said slots and cutting out of the slotted portion of said sheet an article of the desired form and whose outline crosses such slots.

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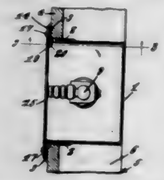
1,565,881. GAS APPLIANCE. JOSEPH EUGENE WILLIS, Los Angeles, Calif. Filed Oct. 10, 1923. Serial No. 667,776. 1 Claim. (Cl. 137—13.)



A device of the class described, comprising a box-like casing open at its forward end, brackets on two opposite walls of the casing at the forward end thereof, a face plate cooperating with the forward end of the casing, the face plate and the brackets having openings, sockets on the face plate and located outside of the casing, the sockets being spaced apart at such a distance that two other opposite walls of the casing will fit closely between the sockets, thereby to aline the openings of the face plate with the openings of the brackets, securing elements mounted in the openings, a closure for the forward end of the casing, a hinge pin carried by the closure, the ends of the hinge pin projecting beyond said two other opposite walls of the casing and being received in the sockets, and a cock located in the casing and located behind the closure.

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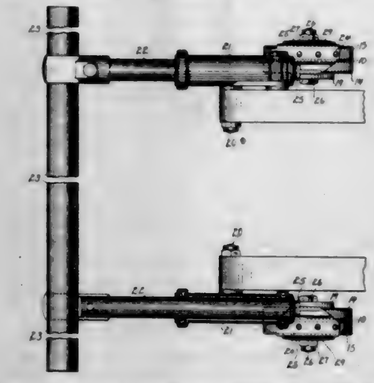
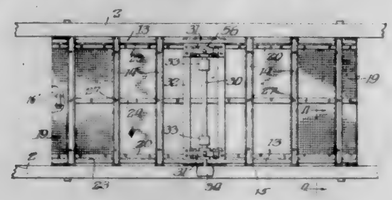
1,565,882. AUTOMOBILE BUMPER. WALTER LAWSON ADAMS, New Haven, Conn. Filed Sept. 14, 1925. Serial No. 56,192. 3 Claims. (Cl. 293—55.)



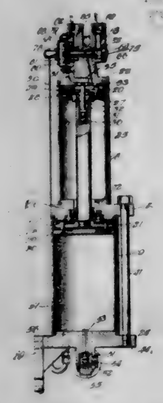
1. A bumper for automobiles, comprising a rubber block formed on opposite sides with ribs and grooves, a fixed member on one side of the block and a movable member on the other, the said members having ribs and grooves to engage with the ribs and grooves in the block, and a bumper-bar having parts arranged in line with and adapted to turn the movable members.

1,565,883. SCREEN. ALFRED L. ADRIANSON and AXEL L. BENGTSON, Racine, Wis. Filed May 25, 1923. Serial No. 641,327. 11 Claims. (Cl. 209—326.)



1. In a device of the class described, the combination of a shaker section comprising a pair of elongated laterally spaced side walls having a screen stretched therebetween, a plurality of rigid cross members connecting the side walls and spaced from the screen, rigid reinforcing means carried by the cross members and extending lengthwise of the shaker section and secured to the screen intermediate of the side walls, a supporting frame, springs at the end of the shaker section whereby the shaker section is resiliently mounted on the supporting frame, and means for bodily reciprocating the shaker section and screen substantially perpendicular to the screen surface.

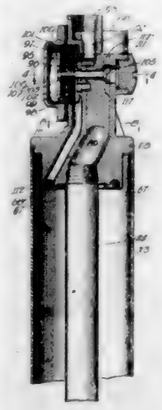
1,565,884. SUCTION PUMP. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed July 30, 1921. Serial No. 488,551. 88 Claims. (Cl. 103—48.)



1. In a pump, a pump barrel having a water inlet and outlet, valve means therefor, a water piston for inducing and expelling water to and from the pump barrel, an air piston for operating said first piston, admission and exhaust valves for the air piston, fluid pressure actuated motor means for operating said valves, and means controlled by said pistons governing the operation of said motor means for operating said valves.

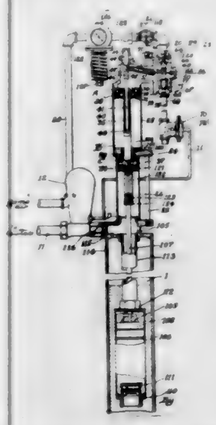
1,565,885. PNEUMATIC PUMP. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 10, 1921. Serial No. 499,816. 62 Claims. (Cl. 103—246.)

1. In a pump, a pump chamber, liquid valves for the pump chamber, a source of motive fluid, a main valve mechanism for the admission and exhaust of the motive fluid, a main motor member for the main valve mechanism, said motor member being subjected on one side to pressure of the liquid which is being discharged from the pump, and on the other side to the pressure of motive fluid employed to expel the liquid from the pump valve, and a relief valve having a motor member independent of said



first motor member operated when the pump has completed the discharge stroke for depleting the pressure upon the liquid side of said main motor member to permit said main motor member to shift the main valve mechanism.

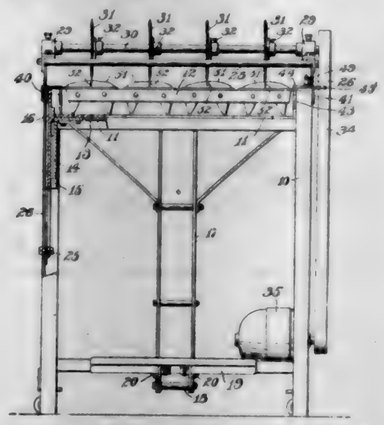
1,565,886. PUMP AND PUMPING SYSTEM. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake and Electric Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 17, 1922. Serial No. 582,421. 36 Claims. (Cl. 103—46.)



1. A faucet controlled fresh water supply system comprising a pump having a double acting motor cylinder and piston at the head of the well, and a single acting pumping cylinder and piston submerged in the water of the well, said motor cylinder having a reversible valve member comprising a poppet admission valve and a poppet exhaust valve for controlling said double acting motor piston, said valve member comprising a stem mounted parallel to the axis of the piston and means operated by said motor piston for imparting a snap action to the throw of said valve member.

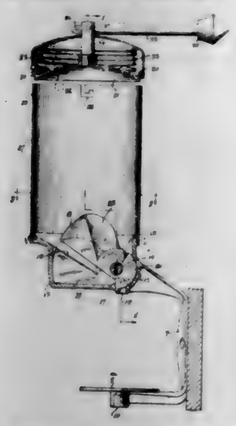


1,565,887. DOUGH-LOAF SLASHER. SAMUEL ANDRUS, Terre Haute, Ind., assignor to Jerry Fitzgerald, Terre Haute, Ind. Filed Mar. 30, 1925. Serial No. 19,301. 4 Claims. (Cl. 107—8.)



1. A dough slashing machine comprising a main supporting frame, a pan platform supported thereby, a disc cutter mounted over said platform, a support on said frame for said cutter by which the cutter may be moved back and forth over the platform, and means by which the distance between the platform and cutter may be alternately diminished and increased.

1,565,888. SOAP DISPENSER. CHARLES AUSSENHOFER, South Norwalk, Conn. Filed May 4, 1923. Serial No. 636,518. 12 Claims. (Cl. 221—102.)

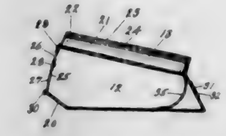


1. A soap dispenser comprising a container, a soap discharge device arranged therein to deliver soap to the user, a pressure feed piston adapted to feed soap under pressure to the discharge device, a piston rod fixed on the piston and projecting from the container and acting as a gage, and a cover disposed over the container and carrying the piston and projecting gage, a spring disposed between the cover and piston, said piston rod formed in two sections, a slot and pin joint pivotally joining the said sections and providing a lock to secure the piston up in the cover.

2. A soap dispenser comprising a soap tank, a discharge plunger arranged therein, and a mounting bracket embodying a horizontal and vertical arm adapted to mount the dispenser upon a horizontal or vertical support.

3. A soap dispenser comprising a soap tank, a removable cap on one end of the tank, a base fixed in the other end of the tank, said base provided with a downwardly sloping bottom, a discharge pocket joining with the sloping bottom, said pocket provided with a discharge orifice, a plunger pivoted in the pocket, a hub made integral with the base, a shaft journaled in the hub and fixed to the plunger, a spring to rotate the shaft to lift the plunger and seal the orifice, and a handle on the shaft to actuate the plunger.

1,565,889. DISPLAY RACK AND CONTAINER. EDWARD H. BAKER, Jamestown, N. Y. Filed June 21, 1923. Serial No. 646,970. 2 Claims. (Cl. 211—9.)



1. A container for merchandise having an upper and a lower compartment, the said lower compartment being adapted to hold the main supply of merchandise, the bottom of said lower compartment being inclined rearwardly and upwardly adjacent its rear end and the rear wall thereof consisting of two hinged sections and having means to engage the upper rear edge of said upwardly inclined end, and the front of said container being rearwardly and upwardly inclined, whereby the said container may be interlocked with a receptacle in a show or other case and fixed in a predetermined position within the latter.

1,565,890. LENS-RETAINING MEMBER. NELSON M. BAKER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 30, 1924. Serial No. 729,071. 2 Claims. (Cl. 88—41.)

1. In a device of the character described, an annular eye cup having bayonet joint connections at one end thereof, a split elastic ring having a lens groove, and bayonet joint connections, fitted into the eye cup whereby the bayonet joint connections of the two members engage to hold the ring in the eye cup, and whereby the ring is compressed to retain a lens in the lens groove thereof.

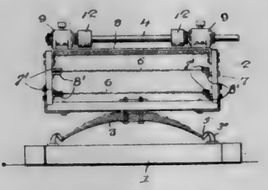
1,565,891. PRODUCTION OF ACRIDINIUM COMPOUNDS. LOUIS BENDA, Mainkur, near Frankfort-on-the-Main, and OTTO SIEVERS, Fechenheim-on-the-Main, Germany, assignors to Leopold Cassella & Co. Gesellschaft mit beschränkter Haftung, a Corporation of Germany. Filed Dec. 22, 1923. Serial No. 682,305. 2 Claims. (Cl. 260—86.)

1. As new substances alkoxy-alkylacridinium compounds.

1,565,892. SCREEN. ALFRED L. ADRIANSON and AXEL L. BENGTSON, Racine, Wis., assignors of one-third to George W. Lenzie, Lemont, Ill. Filed June 6, 1921. Serial No. 475,366. Renewed May 18, 1925. 5 Claims. (Cl. 209—326.)

1. In a device for the purpose set forth, the combination of a screen carrying frame and revoluble weighted

means thereon for imparting a longitudinal vibratory movement to the screens, a support secured to the ends of the frame, comprising arched resilient members cen-



trally attached to the frame, a base to which the ends of said members are secured, and whereby the frame will be afforded a lateral tilting movement in both directions when the weighted means is revolved.

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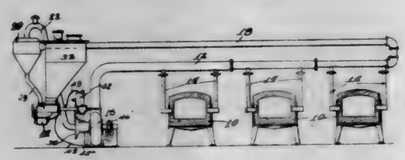
1,565,893. PULVERIZED-FUEL-FEED SYSTEM. LARS H. BERGMAN, Chicago, Ill., assignor, by mesne assignments, to Raymond Bros. Engineering Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 27, 1920. Serial No. 433,326. 7 Claims. (Cl. 302—22.)



1. A fuel supply system comprising a source of fuel supply, means for mixing fuel with air, means for introducing fuel from said source to said mixing means, a main supply line adapted to receive the resultant mixture, a separator distinct from said source of fuel supply, means for returning the unused mixture from said supply line to said separator, and means for delivering the separated fuel to said introducing means separately from the delivery of fuel from said source of fuel supply.

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1,565,894. METHOD OF MANUFACTURING HYDROGEN SULPHIDE GAS. EMILE BINDSCHEDLER, Lansdowne, Pa., and EDWARD W. RUGELEY, Hopewell, Va., assignors of their entire right to Tubize Artificial Silk Company of America, a Corporation of Delaware. Filed Apr. 15, 1924. Serial No. 706,716. 8 Claims. (Cl. 23—181.)

1. The method of manufacturing hydrogen sulphide gas which consists in heating a mixture of hydrocarbon oils and sulphur and purifying the hydrogen sulphide gas evolved by this treatment by passing it through a material of high absorptive capacity.

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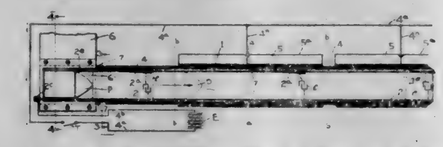
1,565,895. ELECTROMAGNETIC GUN. ABE B. BLAUSTEIN, Butte, Mont., assignor, by direct and mesne assignments, to Electrical Development Corporation, Butte, Mont. Filed Oct. 22, 1921. Serial No. 509,618. 2 Claims. (Cl. 172—285.)



1. In an electro-magnetic gun, a series of primary solenoids arranged end to end along the barrel, means for successively electrically energizing the primary coils as the projectile traverses the barrel, and a series of short circuited secondary solenoids alternating with the primary solenoids and adapted to be energized by induction from the primary solenoids when the circuits in the primary solenoids are broken.

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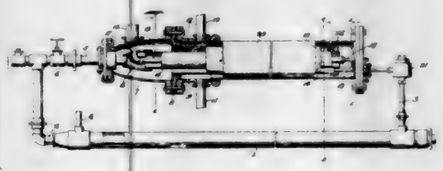
1,565,896. STEAM WATER HEATER. AMZY L. BOLINGER, North Manchester, Ind. Filed Oct. 3, 1924. Serial No. 741,501. 1 Claim (Cl. 257—237.)



A water heater comprising a line pipe, a head connected with said pipe, a steam inlet pipe communicating with the interior of said head, a flange connected with the head, a second head located interiorly of the first-mentioned head and provided with a duct, a pipe connected with the second mentioned head, a pipe connected with the duct and located within the last-mentioned pipe, a fitting connected with the flange, a steam cylinder located in the fitting and receiving both of the pipes which are connected with the second mentioned head, a closed end casing surrounding the steam cylinder, means extending through the casing for conducting condensation from the pipe which is connected with the duct of the second mentioned head and from the interior of the steam cylinder, a water outlet connected with said fitting and means for separating the steam and water compartments.

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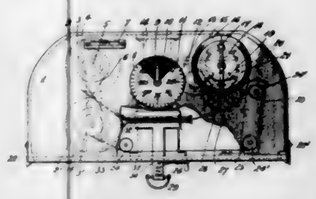
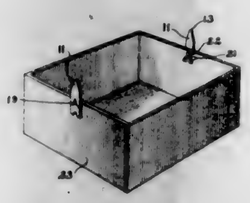
1,565,897. CAMERA AND FILM INDICATOR. CHARLES BOUIN, Boston, Mass. Filed Nov. 6, 1923. Serial No. 673,158. 3 Claims. (Cl. 88—17.)



1. A camera of the kind described comprising means for holding a film strip having opaque end portions, a film gate for guiding the strip, means for receiving the film after exposure, a shutter for periodically exposing the film, means for driving said shutter, means for intermittently advancing the film, having two indicators, one indicator comprising a ring on topmost masing having a shaded and unshaded section and a pointer indicating the opaque end portions of the film and the sensitized portion of the film when in film gate aperture by means of a pointer revolving over the shaded and unshaded sections of ring, numerals on said unshaded section of ring indicating number of exposures made by means of said pointer, letters on said shaded section of ring indicating points of start, exposure, end and stop and a second indicator on outside casing of camera, said indicator having a shaded and unshaded section over which a pointer revolves indicating when film is moving and shutter is closed and when film is at rest and shutter is open.



1,565,898. FASTENING DEVICE. WILLIAM H. BOUTELLE, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Sept. 25, 1924. Serial No. 739,956. 4 Claims. (Cl. 292—253.)



1. A fastening clip of the character described, comprising a body portion, a pair of pointed prongs extending from one edge thereof, a curved tongue extending from the opposite edge of the body portion, and an offset prong extending from one surface of the body portion.

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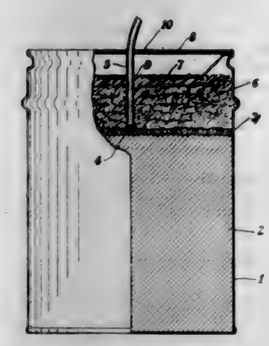
1,565,899. COMPOSITION FOR PRODUCING LACHRYMATING GASES. DONALD B. BRADNER, Philadelphia, Pa. Filed May 3, 1924. Serial No. 710,736. 14 Claims. (Cl. 167—12.)



1. A composition for producing an effective concentration of a lachrymating gas in non-persistent form, a lachrymating organic compound not readily volatile at ordinary temperatures which lachrymates at a concentration below 0.01 milligram per liter in three minutes and having intimately distributed therethru a fuel which burns at a temperature sufficient to volatilize said lachrymator but below that at which the lachrymator will decompose within the time required for said volatilization.

6. A composition for producing an effective concentration of a lachrymating gas in non-persistent form, chloracetophenone having intimately distributed therethru a fuel comprising nitrocellulose.

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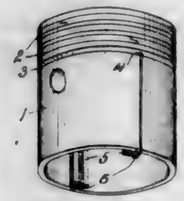
1,565,900. PISTON. THOMAS E. BRALEY, Wichita, Kans., assignor of one-half to Joel E. Davis, Wichita, Kans. Filed Aug. 6, 1925. Serial No. 48,539. 2 Claims. (Cl. 74—108.)

1. A hollow piston having on its inner periphery a longitudinal rib V-shaped in cross section extending to one end of the piston, the arms of the rib being flexible and diverging inwardly, the rib having in it a longitudinal V-shaped groove the apex of which terminates at the outer periphery of the piston and the arms of which respectively extend into said arms of said rib.



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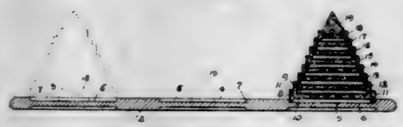
1,565,901. PYRAMID PUZZLE. FRANK W. BRANDT, Cleveland, Ohio. Filed Sept. 8, 1925. Serial No. 54,984. 6 Claims. (Cl. 273—132.)



2. A game or puzzle, comprising a base, member having a plural number of places thereon adapted to seat a series of building elements, in combination with a set of building elements of graduated sizes constructed to be nested within and interlocked with each other and adapted to form a sectional pyramid.

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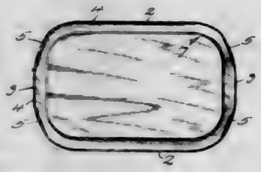
1,565,902. COVER FOR CONTAINERS. JULIUS BRENZINGER, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Filed Sept. 22, 1923. Serial No. 664,142. 1 Claim. (Cl. 220—97.)



A non-circular cover for containers comprising: a blank of sheet material having a plurality of sides at an angle to each other provided with a pendent surrounding flange having downwardly and inwardly bent tabs at the junction of the angular sides.

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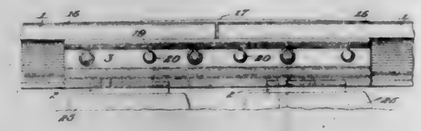
1,565,903. RAILROAD-RAIL JOINT. SAMUEL ELMER BROWN, Frederick, Md. Filed Nov. 22, 1924. Serial No. 751,624. 2 Claims. (Cl. 238—218.)

1. A rail joint comprising a pair of fish plates provided with rail-engaging surfaces and longitudinal stiffening and rail engaging webs one of said plates having

rail-head embracing surfaces, the top of said plate also provided with a wheel-raising hump, said fish plates

provided with alternate elongated and circular bolt holes placed in staggered relation to each other, and a bottom studded base plate to engage said fish plate.

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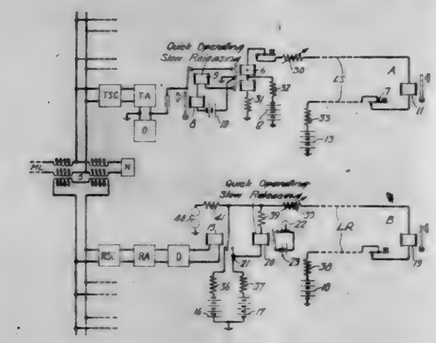
1,565,904. SIGNALING SYSTEM. JOHN C. BURKHOLDER, Jr., West End, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1922. Serial No. 554,054. 10 Claims. (Cl. 178—71.)




1. In a telegraph system, means to transmit continuous waves and interrupted waves alternatively, a medium over which said waves are transmitted, a receiving device responsive to said waves, and means actuated in response to the received waves and having a predetermined time delay action for giving an indication when waves fail to be received from the transmitting means for such predetermined time.

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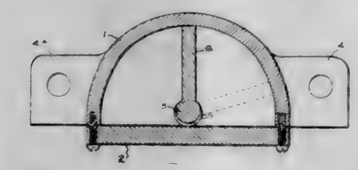
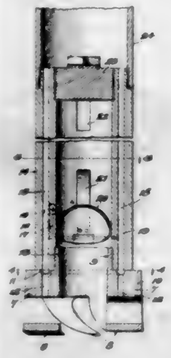
1,565,905. SHOCK ABSORBER. LYNN W. CALLENDER, Wichita Falls, Tex. Filed Nov. 19, 1923. Serial No. 675,717. 1 Claim. (Cl. 188—89.)



A shock absorber comprising a half round housing adapted to hold fluid, a shaft extending through said housing and pivotally mounted so as to turn therein, a paddle attached to said shaft and extending radially thereof to the outer wall of the housing, a groove in said shaft opposite said paddle extending about a portion of the circumference of the shaft, and a pair of arms pivoted together and rigidly connected to said shaft whereby, the movement of the paddle in the oil in the housing serves to resist the movement of the arms.

1,565,906. WELL DRILL. LOUIS BURL CLINTON, Durant, Okla. Filed May 2, 1925. Serial No. 27,486. 1 Claim. (Cl. 255—72.)



A well-drill device comprising the combination of a drill-bit having teeth extending downwardly from its body, a vertical central passage, an annular water channel in its top, water-passages leading from said channel to spaces between said teeth, and an upwardly-extending nipple inside of said channel; a barrel abutting against the top of said drill-bit, connected thereto by said nipple, containing longitudinal water-passages leading to said channel, and having a vent extending from the interior to the exterior of its upper portion; a removable plug above said vent; an upwardly-opening valve in the lower portion of said barrel arranged when open to lie closely against its wall; and means whereby a hollow drill-stem is secured to the upper portion of said barrel in communication with the water-passages therein.

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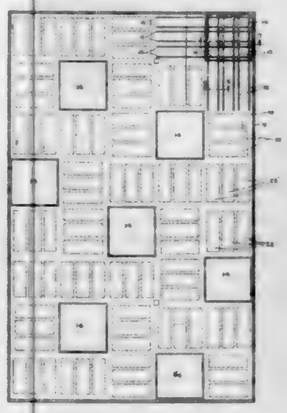
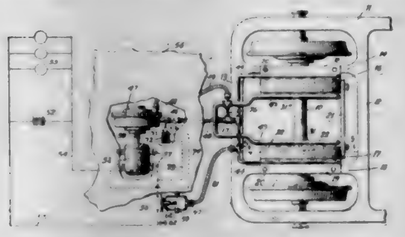
1,565,907. GARAGE. WILLIAM F. COMB, Minneapolis, Minn. Filed Nov. 20, 1923. Serial No. 675,859. 5 Claims. (Cl. 214—16.)



1. A garage comprising a building, an elevator in said building, two sets of tracks arranged in pairs supported upon the floor of said elevator, said sets of tracks crossing each other at right angles, and pairs of floor tracks adapted to aline with one or the other of said elevator tracks.



1,565,908. CAR-LIGHTING SYSTEM. WALTER L. CONWELL, Montclair, N. J., assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Oct. 8, 1921. Serial No. 506,268. 4 Claims. (Cl. 290—8.)



1. In apparatus of the general nature of that herein described, in combination, a car axle, an electric generator, a fluid motor for driving said electric generator, a fluid pump associated with said car axle and including a cylinder and a piston operating therein adapted to drive said fluid motor, a cam mounted upon said car axle adapted to move said piston throughout its suction stroke, and means associated with said piston for storing a predetermined amount of energy from said cam during its operation of said piston throughout its suction stroke and adapted to operate said piston during its pumping stroke, whereby the pressure of the fluid supplied to said motor is maintained substantially constant.

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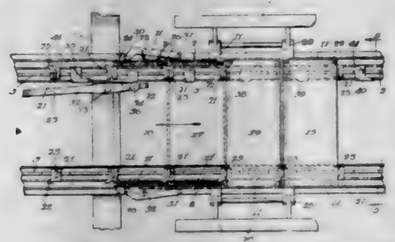
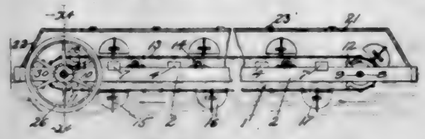
1,565,909. MACHINERY AND METHOD FOR MAKING BOX BLANKS. EDWARD CRAIG, St. Joseph, Mich., assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich., a Corporation of Delaware. Filed Aug. 3, 1925. Serial No. 47,746. 8 Claims. (Cl. 1—8.2.)



1. In apparatus for making wire bound box blanks from separate side sheets and cleats therefor, each cleat having a lateral shoulder on the inner side thereof, disposed a distance forward from the rear end thereof, the combination of guides for the cleats, work feeding instrumentalities having motion in one direction only, and having rigid cleat pushers disposed in position to engage said shoulders, whereby said feeding instrumentalities having lateral engagement with the shoulder on the inner side of each and every cleat of the blank, thereby to push the cleats along said guideways and to prevent any portion of the work feeding means from projecting in between the adjacent ends of the cleats, so that the cleat-shoulders will dimension all four sides of the ultimate box, and to prevent engagement with the extreme rear end of any cleat, sheet spacers rigid with said pushers on said work feeding instrumentalities in position out of line transversely with said pushers, to space the sheets apart upon and in proper relation to said cleats, and devices for operating said instrumentalities to cause said pushers and spacers to move in unison to feed the cleats and sheets forward.

1,565,910. DEVICE FOR UTILIZING THE POWER OF FLOWING WATER. WILLIAM EDGAR DAMON, Inglewood, Calif. Filed May 4, 1921, Serial No. 466,661. Renewed July 21, 1925. 3 Claims. (Cl. 170—185.)



1. A device for utilizing power of flowing water, comprising an endless chain trained about spaced pulleys mounted on a float, one stretch of said chain being above and the other stretch below the surface of the water, certain of the links of said chain having lateral projections, on opposite sides of said chain, propellers pivotally secured to said projections, and means to limit the pivotal movement of said propellers.

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1,565,911. ACTIVATING DECOLORIZING CHAR FOR USE IN REFINING SUGAR AND FOR ANALOGOUS PURPOSES. CHARLES B. DAVIS, New York, N. Y. Filed Oct. 10, 1923. Serial No. 667,629. 7 Claims. (Cl. 252—3.)

1. The process of activating bone char herein set forth, consisting essentially in adding thereto a carbon-forming distillate of coal, which is non-volatile at ordinary temperatures, passing the same through a kiln out of contact with air at a red heat, under 1000° C., cooling the resultant out of contact with air, washing the same with hot water, and then drying and kilning out of contact with air prior to use, substantially in the manner and for the purpose set forth.

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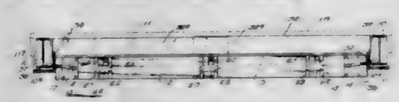
1,565,912. CENTERING FORM APPARATUS FOR CONCRETE FLOOR CONSTRUCTION. EDWARD E. DAVIS, Chicago, Ill. Filed Apr. 23, 1925. Serial No. 25,330. 14 Claims. (Cl. 25—131.5.)



1. In apparatus of the character described; a plurality of joists; means for supporting the joists by their ends between parallel steel girders; a plurality of spreaders adapted to be supported between each pair of joists; and a pan adapted to be placed between each pair of joists resting on said spreaders, said pan comprising four sheet metal sections each having a vertical side face, a vertical end face, and a horizontal top face, the four sections adapted to be placed together with their faces overlapping to form a pan having a top face, two side faces, and two end faces, and an open bottom.

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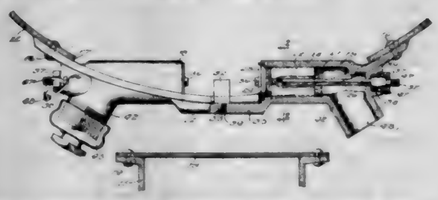
1,565,918. TANK-CAR VALVE. CORNELIUS DE RONDE DOEKER, Chicago, Ill. Filed Nov. 12, 1921. Serial No. 514,572. 13 Claims. (Cl. 137—21.)



1. A valve for tank cars and the like, comprising a mounting secured in the bottom of a car and having a laterally extending outlet aperture, a valve member hav-

ing screw threaded engagement in the aperture of said mounting, and being horizontally operable therein, and stop means positioned inwardly from said valve and limiting inward movement thereof.

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1,565,914. FASTENING MEANS FOR COLLARS. JAMES B. DRIVER, Delaware, Ohio. Filed Oct. 31, 1924. Serial No. 746,957. 2 Claims. (Cl. 2—127.)

1. A garment comprising a multi-ply collar band having at least one ply cut away at the rear of the band to reduce the thickness of the band at that point, and a tab extending from the lower edge of the band and adapted to be turned up into registry with the portion of reduced thickness and carrying a button whereby a collar may be attached.

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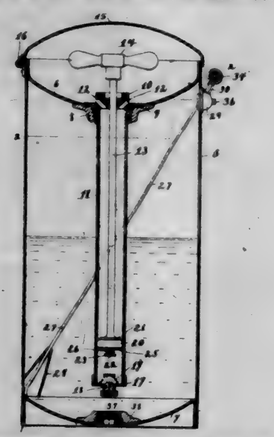
1,565,915. PRESSURE FUEL TANK. WILLIAM H. DUNKERLEY, Paterson, N. J. Filed Sept. 22, 1924. Serial No. 739,050. 1 Claim. (Cl. 221—77.)



The tank described comprising a body having a closed bottom and a depressed upper head, a collar on said head, a screw plug in said collar, a cylinder depending from said plug interiorly of said body, passages in said plug leading from the upper face of said head to the interior of said cylinder and constituting the only means of flow of the fuel into the tank, a self-closing downwardly opening valve at the lower end of said cylinder, a cup-leather plunger in the latter, a plunger rod extending from said plunger through and guided by said plug, a handle on the upper end of said rod, a cover arranged to close the upper end of said body and enclose said head and handle, and a delivery pipe extending from a low point in the interior of said body through the wall thereof.

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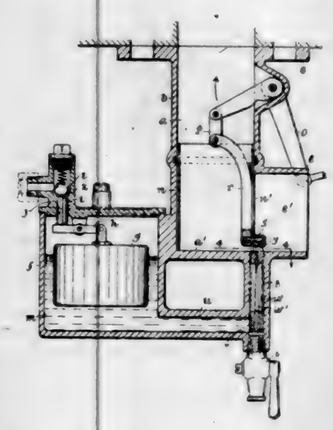
1,565,916. CARBURETOR. FRANK DURANTE, Paterson, N. J. Filed Aug. 18, 1923. Serial No. 658,038. 2 Claims. (Cl. 261—50.)

1. A carburetor having a mixing passage formed with a laterally extending air-intake portion and having an outlet for the mixture of air and fuel, a sleeve-valve slidable in and lengthwise of the passage and having a portion thereof forming a thin-walled gate movable across said intake portion, the carburetor having a bottom wall forming the lower side of said intake portion toward and close to which the valve moves to restrict the flow through said intake portion and said bottom wall having a fuel inlet to said mixing passage arranged



relatively exterior of the valve and in close proximity to the plane of movement of the gate, and a fuel-flow-controlling valve movable in said fuel inlet and attached to the sleeve-valve to move therewith, said sleeve-valve affording communication through itself from the intake-portion to the mixture outlet.

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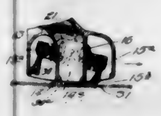
1,565,917. VACUUM CLEANER. FREDERICK A. ENGLISH and EDWARD W. WIEHLE, Chicago, Ill., assignors to Birtman Electric Company, a Corporation of Illinois. Filed Feb. 14, 1923. Serial No. 618,935. 6 Claims. (Cl. 15—158.)



1. In combination with a vacuum cleaner having an elongated suction nozzle, a pair of long brushes, one arranged in front of, and one behind said suction nozzle, said brushes being joined at their ends to form a rigid double brush, said double brush being pivotally supported on the cleaner.

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1,565,918. GASKET. PATRICK J. FITZGERALD, Torrington, Conn., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a Corporation of Connecticut. Filed Nov. 4, 1922. Serial No. 599,102. 1 Claim. (Cl. 288—1.)

A gasket for manifolds comprising superimposed apertured metal plates, an intermediate layer of apertured packing material, and one-piece thimbles for securing the plates of the gasket against the packing material, each thimble having at one end thereof a flange overlying the edge of the plate around the aperture in which the thimble is inserted, said thimble being of considerably greater length than the thickness of the packing and plates so as to project from the face of the gasket for centering the same in the ports when applied to an engine, said thimble intermediate its end and said flange being bent so as to form a projecting flange which is substantially parallel with the flange on the end of the thimble, and so disposed as to clamp the opposite face of the gasket from that engaged by said flange on the end.



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1,565,919. LOADING APPARATUS. GEORGE A. FLEBOTTE, Indian Orchard, Mass. Filed Sept. 27, 1924. Serial No. 740,393. 11 Claims. (Cl. 37—192.)

1. An excavating and loading apparatus comprising, in combination, a supporting platform, motive power thereon, an endless material receiving and delivery conveyor, a frame pivotally supported on the platform for supporting the said conveyor, a pair of up-rights pivotally and directly attached to one end of said frame, an endless chain supporting frame which is pivotally attached to the pair of up-rights, a windlass secured to the pair of up-rights for raising and lowering the said chain supporting frame, scraper blades secured to the endless chain for transferring the scraped material directly onto the said endless conveyor, and means for operating the said endless conveyor and chain from the motive power on the platform.

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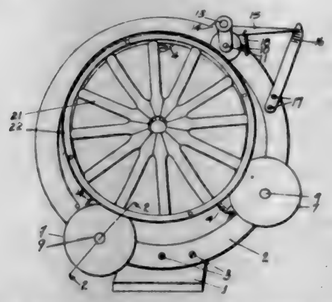
1,565,920. TESTING MACHINE FOR WHEELS. HENRY FLICK, Jackson, Mich., assignor to Hayes Wheel Company, Jackson, Mich. Filed Oct. 4, 1921. Serial No. 505,245. 2 Claims. (Cl. 33—148.)



1. The combination of an inclined annular frame with a suitable support, with supporting rollers having their axes radially disposed on said support and radial pivots for said rollers disposed within the inner margin of the frame, a pair of revoluble testing disks disposed on the lower part of the frame parallel to the front face thereof, and supporting pins at right angles to the front face of said frame for said disks, a movable rotary disk supported on the upper part of the frame in the same plane as said pair of disks, a swinging arm on said frame carrying the said movable disk, an indicator pointer connected to the said arm, and a tension spring between the said finger and frame for forcing the disk yieldingly into contact with any wheel being tested, coacting as specified.

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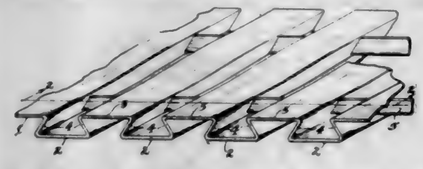
1,565,921. LATH BOARD. SILAS M. FORD, St. Paul, Minn.; Clara P. Ford, executrix of said Silas M. Ford, deceased, assignor to Clara P. Ford, St. Paul, Minn. Filed Nov. 23, 1920, Serial No. 426,020. Renewed July 24, 1925. 2 Claims. (Cl. 72—116.)



2. In a lath board the combination of a sheet of suitable material corrugated into a dove tail sheet formation having alternating lathlike faces and depressions on each side thereof, webs connecting said alternating lathlike faces, and a flat wire piercing said webs and of such a width and so positioned that said wire lies against and supports the inside surface of each of said lathlike faces.

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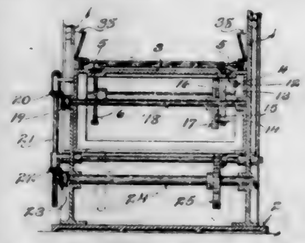
1,565,922. CONVEYER. GEORGE A. FULLIPS, Milwaukee, Wis. Filed Oct. 9, 1924. Serial No. 742,621. 8 Claims. (Cl. 198—181.)



8. In a machine for handling containers, the combination of a table mounted for vertical adjustment, a conveyer for advancing said containers across said table and having adjustable container engaging means controlled by the vertical adjustment of said table.

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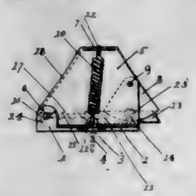
1,565,923. DOORCHECK. HARRY E. GIFFORD, Medford, Mass. Filed Oct. 8, 1924. Serial No. 742,475. 3 Claims. (Cl. 292—78.)



1. A door check comprising a base-plate, a casing member pivoted thereon, a strong spring secured to the base-plate and casing member for closing said casing, a latch-bolt with a light spring within said casing, and a striking plate.

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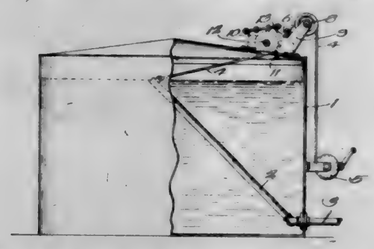
1,565,924. TANK. PHILIP S. GRAVER, Chicago, Ill. Filed May 26, 1924. Serial No. 715,924. 1 Claim. (Cl. 220—85.)

The combination with a tank having a roof; of a housing added to the tank and supported upon its roof, there being an opening in the roof of the tank beneath the roof of the housing; a pipe mounted to swing up and down within the tank; a cable connected with said

pipe to swing it and passing through said opening in the tank roof; a stuffing box carried upon the roof of the housing, said cable passing through said stuffing box to the exterior of the housing; a sheave receiving said cable after passing from the stuffing box; and another sheave mounted upon and within the housing over the aforesaid



opening in the tank roof and receiving the cable in passing to the stuffing box, said opening being of such a size that the latter sheave will not pass therethrough when dismounted, the housing having a displaceable section affording access to its interior and of a size, when displaced, to permit the second sheave to be admitted to the housing.

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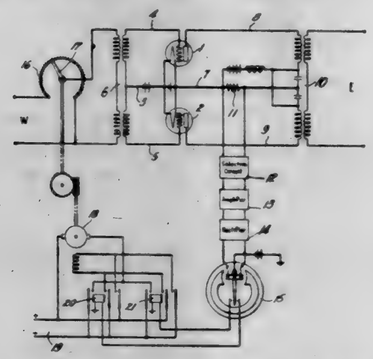
1,565,925. TRANSMISSION REGULATION. CHARLES W. GREEN, Millburn, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Jan. 31, 1925. Serial No. 5,969. 12 Claims. (Cl. 179—171.)



1. The method of transmission regulation which comprises transmitting a wave over a variable transmission medium, producing a harmonic of said wave, and utilizing said harmonic to control the transmission efficiency of said medium.

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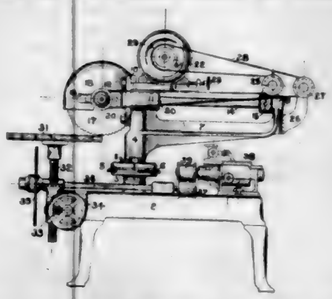
1,565,926. WOODWORKING MACHINE. SAMUEL W. GREEN, Philadelphia, Pa. Filed July 23, 1923. Serial No. 653,080. 3 Claims. (Cl. 143—6.)

1. A woodworking machine of the class described, wherein there is a main frame having a vertically adjustable table for the material to be operated upon, an adjustable frame movable as a unit independent of the table and journaled upon the main frame so as to be at all times horizontally movable about a vertical axis, and a horizontally reciprocable carriage at all times supported by and movable on the adjustable frame at right angles to the vertical axis thereof, said carriage having a saw and mandrel journaled thereon and driven by a motor forming a part of the machine, said motor arranged upon the upper portion of the adjustable frame adjacent to the vertical axis thereof and movable with said frame, and a compensating power transmitting means between the motor and saw mandrel, whereby the carriage may



be freely reciprocated horizontally upon the adjustable frame, while maintaining the power transmitting connection between the saw mandrel and the motor.

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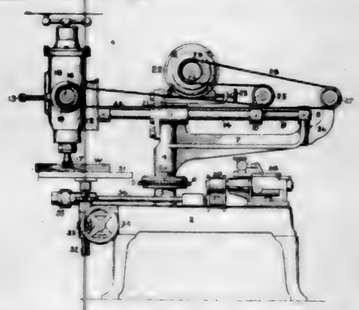
1,565,927. WOODWORKING TOOL AND OPERATING MEANS THEREFOR. SAMUEL W. GREEN, Glenside, Pa. Filed Aug. 18, 1925. Serial No. 50,899. 14 Claims. (Cl. 144—3.)



1. In a woodworking machine, the combination of the main frame and a support for the material to be cut, with an adjustable frame supported by the main frame and adjustable about a vertical axis with respect to the main frame, a sliding carriage guided upon the adjustable frame whereby it may be reciprocated thereon, a molding cutter rotating upon a vertical axis having a horizontal driving shaft therefor all journaled in the forward end of the sliding carriage, said driving shaft provided with a belt wheel, guide pulleys respectively secured to the rear end of the carriage and to the adjustable frame, a motor supported by the adjustable frame independently of the sliding carriage and operating a driving pulley, and a belt having one end looped about the driving pulley of the motor and the other end looped about the pulley on the driving shaft of the molding cutter and the intermediate parts of the belt respectively looped about a pulley at the rear of the carriage and a pulley upon the adjustable frame, whereby the carriage and its cutter may be freely moved relatively to the adjustable frame while maintaining a constant power transmitting connection between the driving pulley and the pulley on the molding cutter.

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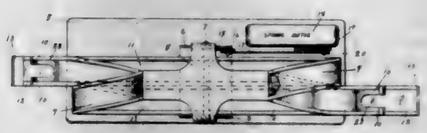
1,565,928. ZINC CONDENSER. HARRY A. GRINE, Clarksburg, W. Va., assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 3, 1924. Serial No. 703,979. 4 Claims. (Cl. 106—10.)

1. A composition for zinc condensers comprising broken zinc condenser, zinc ore and a refractory bonding material.



1,565,929. MECHANICAL TOY. LESTER S. GUNDERMAN, Pittsburgh, Pa. Filed Apr. 13, 1925. Serial No. 22,916. 8 Claims. (Cl. 104—79.)



1. A toy comprising a pair of tracks, a loop on one end of each track said loops being on reverse ends of said tracks, a bracket connecting said loops and pivotally supported therebetween, means for swinging the track to alternately elevate the ends, and an object adapted to travel in the tracks and loops by gravity, the arrangement being such that the swinging motion of the tracks in one direction serves to elevate said object to a higher level from whence it rolls to the opposite end of the tracks, the swing motion in a reverse direction serves to return the object along the opposite track to its initial position.

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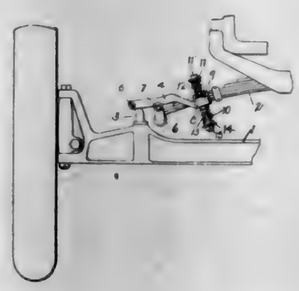
1,565,930. VEHICLE SPRING. LEO C. HALDER, Ceresco, Mich., assignor of one-third to Andrew Watson Lockton, sr., Battle Creek, Mich. Filed May 16, 1925. Serial No. 30,808. 2 Claims. (Cl. 267—17.)



1. In a structure of the class described, the combination with the axle, of a perch carried thereby, a leaf body spring, a lever bifurcated at its inner end and pivoted at its outer end on the said perch and extending laterally at its inner end to each side of said body spring, vertical bolts disposed through the ends of the bifurcations, a yoke connecting the bolts together, offset to engage the top of said body spring, coiled springs disposed both above and below the said bifurcated arms on said bolts, a tie bar for the upper ends of said bolts, and a shackle connecting an intermediate part of the said arm to the end of said body spring, conecting as specified.

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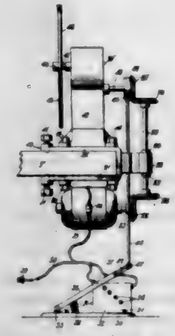
1,565,931. WINDING APPARATUS. RICHARD A. HALEY, Hollywood, Calif. Filed July 7, 1925. Serial No. 42,018. 2 Claims. (Cl. 242—57.)

1. A winding apparatus comprising a winding mechanism, an electric motor below the same, an attaching bracket for said mechanism and motor, a treadle switch for and below the motor, a driving connection from said motor to said mechanism and supported on said bracket, a



drum forming a part of said connection, and a brake rod movable with said treadle switch disposed relatively close to said connection and engageable with said drum.

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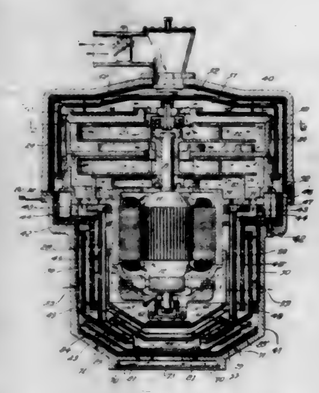
1,565,932. MEANS FOR ACTUATING PLAYER PIANOS. CLINTON H. HANSON, Chicago, Ill., assignor to Motor Player Corporation, a Corporation of Illinois. Filed May 24, 1921. Serial No. 472,040. 29 Claims. (Cl. 230—11.)



1. In a suction device for operating the pneumatics of a player piano, the combination with a container having two compartments therein, of an electric motor mounted in the container, and means operable by the motor for circulating air in said compartments, each compartment being arranged to circulate air independently of the other compartment.

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1,565,933. GASEOUS FUEL. JOHN HARRIS, Cleveland, Ohio. Filed Dec. 6, 1923. Serial No. 678,807. 2 Claims. (Cl. 48—196.)

2. A cutting gas consisting essentially of natural gas having mixed therewith vapor of ether, said vapor constituting not materially less than 2½% by volume of the mixture and the natural gas constituting not materially more than 97½% by volume of the mixture.

1,565,934. GASEOUS FUEL. JOHN HARRIS, Cleveland, Ohio. Filed Dec. 6, 1923. Serial No. 678,809. 2 Claims. (Cl. 48—85.)

2. A cutting gas consisting essentially of carbon monoxide having mixed therewith vapor of ether, the ether vapor constituting not materially less than 2½% by volume of the mixture and the carbon monoxide constituting not materially more than 97½% by volume of the mixture.

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1,565,935. GASEOUS FUEL. JOHN HARRIS, Cleveland, Ohio. Filed Feb. 16, 1924. Serial No. 693,384. 2 Claims. (Cl. 48—196.)

2. A gaseous fuel particularly useful for the cutting of metal and consisting essentially of a mixture of casing head gas with the vapor of ether, the ether vapor constituting approximately 5% by volume of the said mixture.

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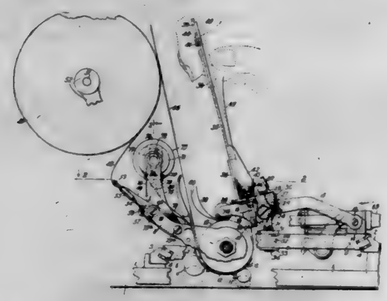
1,565,936. TYPEWRITING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Apr. 30, 1924. Serial No. 710,040. 21 Claims. (Cl. 197—127.)



1. In a typewriting machine, the combination of a platen, line spacing devices therefor, paper feeding devices co-operative with said platen to advance a work sheet step-by-step when said line spacing devices are actuated, and means for controlling the feeding of a second work sheet over the platen under the grasp of the operator applied directly to said second work sheet and to said means itself.

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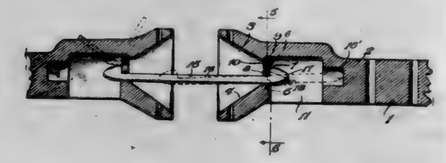
1,565,937. CAR COUPLER. WILLIAM A. HASSELL, JR., Dolomite, Ala. Filed Aug. 4, 1923. Serial No. 655,708. 1 Claim. (Cl. 213—176.)



A car coupler comprising a head having a chamber formed therein and having a throat leading from its outer end, said throat being tapered inwardly and at its reduced inner end communicating with said chamber intermediate the width thereof, an inwardly opening latch gate pivotally mounted in said chamber adjacent the outer end wall thereof and adapted to contact with the outer end wall at opposite sides of the inner end of said throat when closed, said head having a reduced pocket leading from the inner end wall of said chamber in alinement with the inner end of said throat, and a coupling bar formed with a head at its end of a size to fit loosely into said pocket when the headed end of the coupling bar is thrust inwardly through the throat and chamber and cause the coupling bar to be temporarily supported in substantially axial relation to the coupling head and said coupling bar head when engaged with the inner face of said gate latch having free play in said chamber in all directions to permit the coupling bar to have universal swinging movement.

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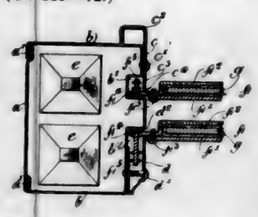
1,565,938. METAL WINDOW. BERNARD HAUSMAN, New York, N. Y., assignor to C. I. Gundlach, New York, N. Y. Filed Sept. 16, 1921. Serial No. 501,059. 4 Claims. (Cl. 189—72.)



1. In a metal window, the combination of a hollow vertical frame member having its side adjacent to the sash inperforate and formed with a recess and a combined staff and stop bead secured to the frame and overlapping the recess to form a guideway for the sash and a channel for the sash chain.

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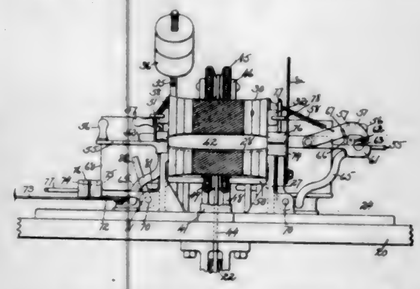
1,565,939. CIGAR-WRAPPING MACHINE. FLORENCE L. HERRINGTON, Hartford, Conn., assignor of fifty-one one-hundredths to Charles Eden, Hartford, Conn. Filed July 30, 1919. Serial No. 314,287. Renewed May 2, 1925. 21 Claims. (Cl. 131—45.)



21. A cigar wrapping machine comprising a rest and a presser roll shaped to receive a cigar bunch between them, a reciprocating knife for operating upon a cigar bunch at one end of said rolls, a receptacle to receive an adhesive, a conduit extending from said receptacle and opening in proximity to said knife, a gate extending across the fluid passage in said conduit and having a port to register with said passage, and a connection between the knife and said gate whereby the latter is moved to position its port out of registry with said passage when the knife is raised.

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1,565,940. SAW SWAGE. JOHN E. HILL, Potter, Ark. Filed Jan. 27, 1925. Serial No. 5,102. 1 Claim. (Cl. 76—56.)

A tool of the class described comprising a solid wedge-shaped body, the smaller end thereof providing a striking head, a substantially V-shaped portion formed on the larger end of the body, a substantially fan-shaped portion formed on the apex of the V-shaped portion and being slit longitudinally for its entire length so that the

intermediate portion of the apex of the V-shaped portion is disposed in said slit to provide a pair of swaging faces, the same being adapted for engagement with the adjacent faces of a pair of raker teeth of a saw blade.

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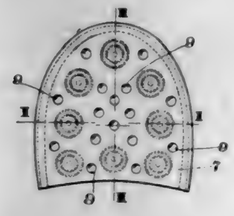
1,565,941. HEEL. WILLIAM W. HUNT, Bexley, Ohio, assignor, by mesne assignments, to William W. Hunt, Frederick A. Miller, Edward E. Lerch, John E. Lerch, and Orr H. Williams, all of Columbus, Ohio. Filed Aug. 31, 1923. Serial No. 660,302. 2 Claims. (Cl. 36—35.)



1. A heel comprising, in combination, a resilient tread portion of soft rubber and a base therefor of hard rubber formed with closed nail-stopping projections extending into the resilient portion and vulcanized thereto.

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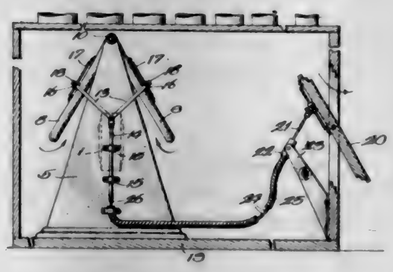
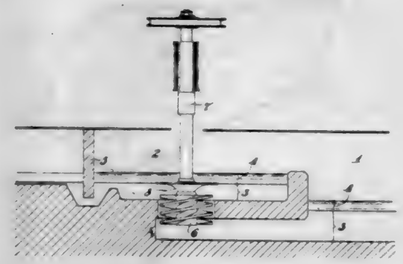
1,565,942. SOUND-PROPAGATING APPARATUS. JOHN ELLIOTT JENKINS, Chicago, Ill., assignor, by mesne assignments, of one-half to Zenith Radio Corporation, a Corporation of Illinois. Filed Oct. 29, 1924. Serial No. 746,493. 11 Claims. (Cl. 181—5.)



1. A telephonic transmitter included in a telephonic circuit in combination with a container enclosing it formed with converging sides each having a sound passage and valves for said passages coupled to have simultaneous opening and simultaneous closing movements.



1,565,943. PROCESS FOR THE ELECTROLYSIS OF ALKALI CHLORIDES. HEINRICH KLOPSTOCK, Aussig, Czechoslovakia. Filed May 25, 1925. Serial No. 32,778. 5 Claims. (Cl. 204—58.)



1. In processes for the electrolysis of alkali chlorides by the so-called quicksilver process involving a transfer of the quicksilver from the amalgam decomposition cell to the amalgam-formation cell by a fluid propelling device, the step which consists in protecting the quicksilver throughout its transfer by means of an air-excluding fluid.

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1,565,944. CONVEYER. WILLIAM J. KNOLL, Chicago, Ill., assignor to H. B. Rouse & Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 31, 1924. Serial No. 747,024. 8 Claims. (Cl. 198—87.)

1. A conveyer including two endless belts, one arranged to deliver objects to the other, in combination with a support formed in sections placed end to end, one section carrying one belt and the other section the other belt, one of said support sections being separable from the other at their adjacent ends to enable one section to overlie the other; and linkage for assembling the outer end of the separable support section with the other support section, said linkage also constituting a supporting leg structure for the outer end of the separable support section when the conveyer is adjusted to function.

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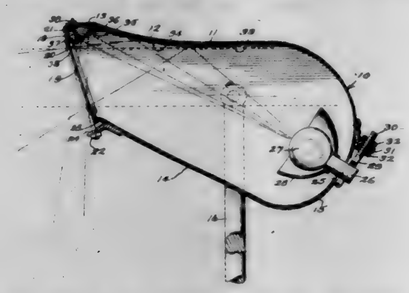
1,565,945. SLED. RALPH A. LESLIE, South Portland, Me. Filed Mar. 17, 1924. Serial No. 699,687. 3 Claims. (Cl. 280—22.)

1. A laterally flexible sled having runners comprising an upper and a lower strip secured together edgewise, the upper strip being stiffer than the lower strip; a cross bar connecting the runners near their rear ends and another cross bar connecting them midway of their ends to provide a long laterally flexible portion forward of the midway cross bar; a seat mounted on said cross bars; a steering foot lever at the forward portion of the sled for flexing the runners; and shoes on said runners secured thereto at the ends.

**1,565,946. HEADLIGHT.** JOHN M. B. LEWIS, Lynchburg, Va. Filed Nov. 3, 1922. Serial No. 598,793. 3 Claims. (Cl. 240—41.)



1. A device of the character described comprising a casing having an opening in its forward end, an approximately horizontally arranged reflector disposed in the upper portion of said casing wholly above the upper line of said opening, the forward portion of said reflector being curved upwardly, and a lighting unit arranged in the lower portion of said casing rearwardly of said reflector and wholly below the lower line of said opening.

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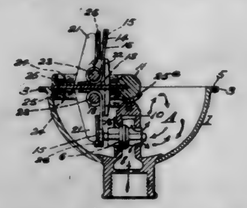
**1,565,947. WASHING-MACHINE MOTOR.** ROBERT RAIMON MASTERSON, Cincinnati, Ohio. Filed Apr. 15, 1922. Serial No. 553,223. 1 Claim. (Cl. 121—97.)



In a water-motor of the class described, a two-part hollow spherical shell or casing, a single oscillatory valve-actuating radial piston-member, a vertical rock-shaft adapted to carry the said single valve-actuating piston-member in circular path in said shell, a sliding inlet-valve, a sliding outlet-valve, a valve partition or head provided in one of the hemispherical shell-members and adapted to house both of the said sliding valves, a set of three differential spiral springs each arranged in series with light springs at either side an intermediate heavy spring mounted on the opposite faces of the said single radial piston-member, vertical presser and spring-connecting plates mounted on and uniting the opposite end pairs of light springs of each of the said sets of differential springs auxiliary high-pressure levers or lagging-extensions provided on the said intermediate heavy springs of the said sets of springs, lateral shoulders on the spring supports for the normal resting of the said high-pressure levers and the latter being adapted to meet and compensate for the high pressure on the sliding inlet-valve in the twin reacting or quick throw-over movement of both valves in unison in the same direction in the said valve partition or head, substantially as shown and described.

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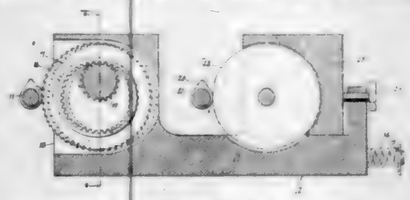
**1,565,948. MILLING MACHINE.** HERMAN W. MELLING, Jackson, Mich. Filed Feb. 4, 1924. Serial No. 690,500. 15 Claims. (Cl. 90—13.4.)

1. In a machine for milling cam shafts, the combination of a work carriage, a plurality of cutter carriages independently movable laterally of said work carriage, annular cutters provided with internal gears carried by said cutter carriages, a driving gear disposed through said cutters to coact with their said internal gears, said internal gears being of such diameter and mesh as to permit reciprocating movement of the carriages, a shaft provided with a plurality of master cams corresponding



to the shape of the cams to be cut, abutment rollers of a diameter corresponding to the diameter of the cutters mounted on said cutter carriages to coact with said master cams, and means for driving the work and the master cam shaft at the same speed.

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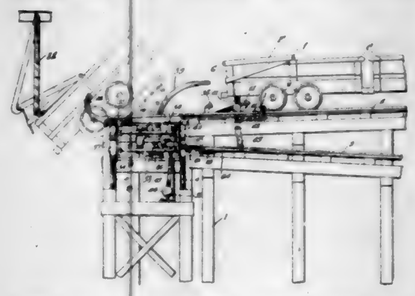
**1,565,949. TIPPLE.** JERRY MORROW, Wellston, Ohio. Filed June 29, 1923. Serial No. 648,535. 11 Claims. (Cl. 214—50.)



1. The combination with an inclined track and a transfer carriage mounted to travel thereon along, of a supply track inclined downwardly toward the point of transfer, a delivery track inclined downwardly away from the point of transfer, a tiltable car receiving track upon the carriage, and means for automatically tilting said track relative to the carriage to aline it with either the supply track or the delivery track when the carriage is at the respective limits of its movement.

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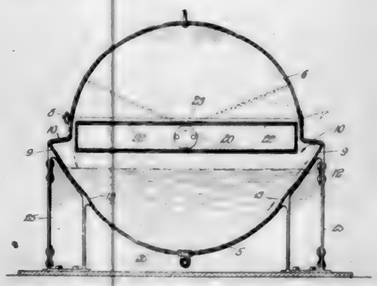
**1,565,950. LAUNDRY MACHINE.** NELSON I. PERRY, Chicago, Ill. Filed Oct. 23, 1924. Serial No. 745,320. 2 Claims. (Cl. 68—18.)



1. In a washing and drying machine, a substantially cylindrical casing having two lateral horizontal enlargements in a plane below its axis terminating in shoulders



facing downwardly in direction and a gradually inclined connecting surface, and a rotatable, reticular and rectangular clothes-holding basket journaled at the axis of said casing and means to rotate the basket.

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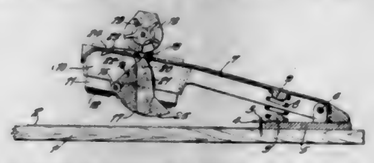
**1,565,951. ACCOUNTING SYSTEM.** WILLIAM G. PETERS, Peoria, Ill., assignor to Charles A. Bergsten, Peoria, Ill., and B. E. Bramble, Chicago, Ill. Filed June 12, 1925. Serial No. 36,600. 13 Claims. (Cl. 101—405.)



1. A device for stamping a sheet, comprising, a stamp, a guide adapted to position said stamp clear of the sheet and to guide the same to stamp the sheet, a register on said stamp, means for operating said stamp to stamp the sheet, and means for operating said register upon stamping the sheet.

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**1,565,952. ICE-CREAM-CONE SERVER.** ALVA M. PHILLIPS, Byesville, Ohio. Filed June 11, 1925. Serial No. 36,480. 2 Claims. (Cl. 224—48.)

1. An ice cream cone server comprising a tray having a plurality of cone receiving openings arranged therein, a handle therefor, means for supporting the tray comprising a pair of elongated strands of wires, the intermediate portions thereof extending along the bottom of the frame adjacent the respectively longitudinal side edges thereof, the end portions of the strands of wire being bent downwardly, and laterally, and then upwardly, the free ends of each strand of wire being bent laterally and forming loop portions, and fastening screws extending through said loop portions into the bottom of the frame.

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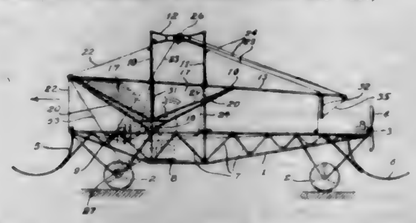
**1,565,953. GLIDER AEROPLANE.** JEAN PONSOLLE and MARCEL VERGNOU, New York, N. Y. Filed Nov. 1, 1923. Serial No. 672,033. 3 Claims. (Cl. 244—29.)



1. In an aeroplane of the type described, the combination with a fuselage having an engine located at the rear end thereof, a flexible plane located above the fuselage, one or more masts erected upon the fuselage, and extending upwardly through the flexible plane, said flexible plane being provided with a longitudinally extending centrally located flexible strip, and a plurality of means for bending various parts of said strips in an upward direction under the control of the operator.

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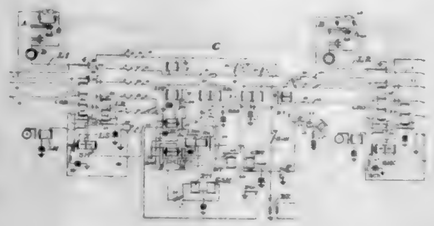
**1,565,954. TELEPHONE-EXCHANGE SYSTEM.** WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 12, 1918. Serial No. 253,696. 24 Claims. (Cl. 179—18.)



1. In a telephone system, the combination with a telephone line, a line switch for the said line having active and passive contacts, a line relay for the said line, a cut-off relay for the said line, a pair of normally open contacts of the said cut-off relay serially connected between a pair of the said active contacts and the talking strands of the line, separate holding and operating windings for the said cut-off relay, the said holding winding being normally short-circuited by normal contacts of the said relay, a stepping magnet adapted to step the said active contacts over successive sets of passive contacts to which are connected the terminals of trunk lines, a circuit for the said stepping magnet including a source of current and normally open contacts of the said line relay, a circuit for the said operating winding of the said cut-off relay including one of the said active contacts of the said switch and a passive contact of an idle trunk line connected thereto, the said circuit being completed when the said active contact engages the said passage contact of the idle trunk line, and a holding circuit for maintaining the energization of the said cut-off relay after the said cut-off relay has been initially energized by current through the said operating winding, the said holding circuit including a source of current and the holding winding of the said relay.

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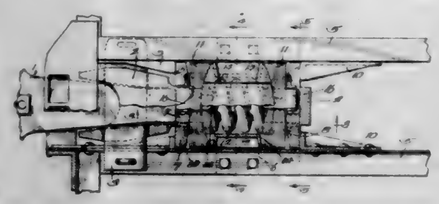
**1,565,955. DRAFT GEAR.** HERMAN C. PRIESE, Blue Island, Ill. Filed Apr. 30, 1924. Serial No. 710,084. 6 Claims. (Cl. 213—23.)



1. A draft gear including a coupler yoke; followers, one at each end of the yoke, these followers having opposed convex faces; spring plates engaged by the convex faces of said followers; a spacer between said plates and hollow longitudinally of the yoke; and a coiled spring within said spacer of greater extent longitudinally of the

gear, than the spacer, said spring engaging the plates that are at said followers and said spacer having concave flanges at its ends into which the spring plates thereat may be bowed.

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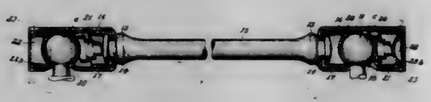
1,565,956. AUTOMOBILE STEERING CONNECTION. FRANK P. PRINDLE and RALPH H. BOARDMAN, New Britain, Conn., assignors to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Apr. 7, 1920. Serial No. 371,862. 6 Claims. (Cl. 287—90.)



1. In a ball and socket connection, socket member, a reinforcing cup therein, a bearing member for said ball seated upon the end of said cup, a bearing member to the other side of said ball, a spring for retaining said second bearing member against the ball and a nut closing the outer end of the socket member.

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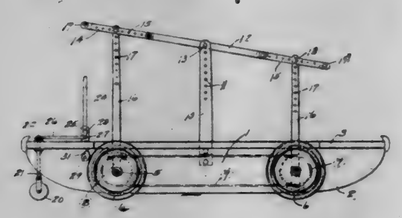
1,565,957. TOY HAND CAR. JOHN N. PRISK, Johnstown, Pa. Filed Apr. 4, 1925. Serial No. 20,592. 1 Claim. (Cl. 208—34.)



A device of the kind described, comprising a sled-like body portion having slots cut at the ends of the top thereof; crank shafts journaled through the body below the slots; wheels detachably mounted at the ends of the crank shafts; aligned sprockets on the crank shafts at the sides of the cranks; a sprocket chain connecting the said sprocket wheels; spaced uprights at the center of the top, the same having transversely aligned bolt holes; a walking beam pivotally and adjustably mounted between the said uprights by means of a bolt passed through the center of the beam and through a pair of the bolt holes of the uprights, the said walking beam being slotted at the ends and having transversely aligned bolt holes through these ends; connecting bars having a plurality of bolt holes cut therein, the said bars being passed through the body slots and journaled at their lower ends to the cranks of the crank shafts and being pivotally and adjustably secured in the slotted ends of the walking beam by means of bolts passed through the bolt holes of the connecting bars and of the ends of the walking beam.

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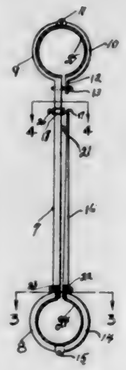
1,565,958. CRANK-SHAFT POLISHER. LEO RENO, Flint, Mich. Filed Mar. 8, 1924. Serial No. 697,697. 4 Claims. (Cl. 51—185.)

1. A crankshaft polisher comprising a carrying arm; a polishing member associated with said arm adjacent one end thereof and adapted for mounting on a crank to be polished; and a bearing member associated with said

arm adjacent the opposite end thereof adapted for mounting on a member movable in harmony with the crankshaft to be polished.

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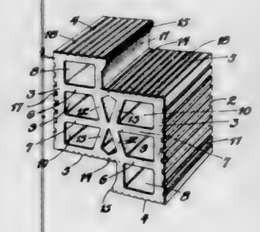
1,565,959. HOLLOW TILE. RICHARD S. REQUA, San Diego, Calif., assignor to Union Trust Company of San Diego, San Diego, Calif., a Corporation of California. Filed Aug. 26, 1921. Serial No. 495,452. 5 Claims. (Cl. 72—41.)



1. A hollow tile having outer walls and interior webs alining with certain of the said walls, and internal webs joining the upper outer wall at points intermediate the side walls and converging towards the center of tile and similar internal webs joining the bottom outer wall at points intermediate the side walls and converging towards the center of the block.

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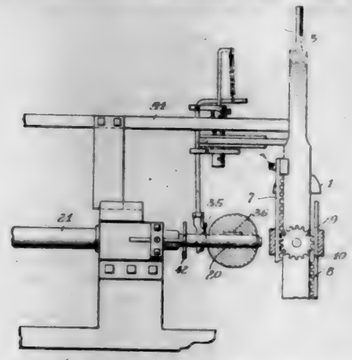
1,565,960. APPLE CORING AND PARING MACHINE. FRANK A. REYNOLDS, Geneva, N. Y., assignor to Reynolds Manufacturing Corporation, Geneva, N. Y., a Corporation of New York. Filed Aug. 14, 1925. Serial No. 50,235. 23 Claims. (Cl. 146—39.)

1. The combination with a pair of apple gripping members, of a coring knife movable endwise therebetween to



enter an apple while held by the gripping members, and means for automatically separating the gripping mem-



bers after the coring knife enters the apple and thereafter withdrawing the coring knife with the apple supported thereon.

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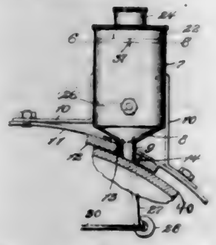
1,565,961. DEVICE FOR FEEDING NONSLIP MATERIALS TO BRAKE LININGS. LAWRENCE J. ROSE, St. Louis, Mo. Filed Oct. 29, 1924. Serial No. 746,512. 3 Claims. (Cl. 188—264.)



3. In a device of the class described, a container mounted upon a brake band; a nozzle therefor extending through the brake band to the brake lining; a tubular rod valve having a lower terminal nipple extending into the interior of the said nozzle; and a pin mounted in said tubular rod valve and projecting to the mouth of said nozzle.

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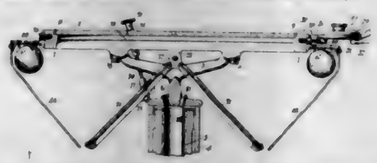
1,565,962. REGISTERING AND SQUARING MACHINE. VERNON ROYLE, Paterson, N. J. Filed June 28, 1922. Serial No. 571,398. 8 Claims. (Cl. 35—12.)



1. A registering and squaring machine comprising, a translucent table for holding the work, lighting means beneath the table, and a pair of adjustable hinged reflectors.

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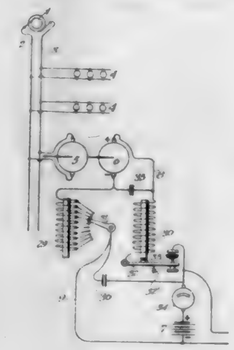
1,565,963. CURRENT-SUPPLY SYSTEM. HARRY O. RUGH, Chicago, Ill., assignor of one-half to Richard Calvert Hawa, Chicago, Ill. Filed Mar. 22, 1923. Serial No. 626,771. 2 Claims. (Cl. 171—314.)

1. In a current supply system, the combination with a direct current generator; of a storage battery, similar poles of said battery and generator being connected; a circuit including said generator; a switch between the storage battery and the generator; an electro-magnet receiving current from said generator and related to said switch to hold it closed, said switch opening when said magnet releases it; and two condensers in shunt of said generator and in parallel with each other, said electro-magnet being included between said condensers.



2. In a current supply system, the combination with a direct current generator; of a storage battery, similar poles of said battery and generator being connected; a circuit including said generator; an impedance device in each side of the generator circuit; and a rheostat having the winding of one of said impedance devices for its adjustable resistance.

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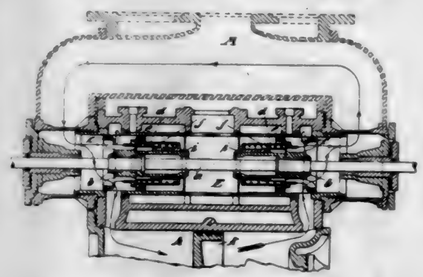
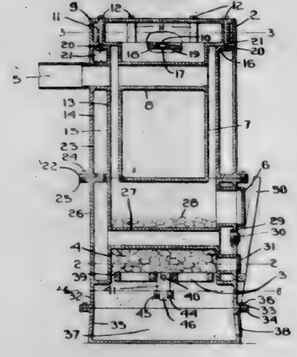
1,565,964. PISTON VALVE. KARL SCHULZ, Konigsberg, Germany, assignor to Union-Giesserei, Contienen, near Konigsberg, Prussia, Germany. Filed May 29, 1924. Serial No. 716,706. 2 Claims. (Cl. 121—134.)



1. In a steam engine a valve casing communicating with the discharge space at its ends and having an inlet chamber, a piston valve having two spaced valve bodies, each valve body comprising a relatively stationary section provided with a tubular shaft fixed upon the valve-stem and a movable section slidably mounted upon the tubular shaft of the stationary section, both sections being held normally in contact to operate as one valve, the said stationary section having passages establishing communication between the discharge space and the cylinder spaces on both sides of the steam-piston at the cutting off of the steam, and a stop fixed upon the tubular shaft of the stationary section limiting the displacement of the movable section and thus preventing communication of the inlet chamber with the discharge space at any position of the piston valve.



A heater comprising a body portion provided with double walls forming between them a water leg, the lower portion of the body constituting a fire-box, said body having a fire-door opening into the fire-box, a single water tube extending centrally across the fire-box below the fire-door and communicating at each end with the water leg, said walls of the body at their upper ends being connected by a web, a hollow head resting on and secured to said web and closing the upper part of the body, said head having integral therewith a drum which depends into the body portion to about the top of the fire-door, said web and the portion of the head resting thereon having aligned apertures therethrough to provide for circulation, said body having a flue opening in one wall near the top, and a flue extending through the drum in line with said opening.

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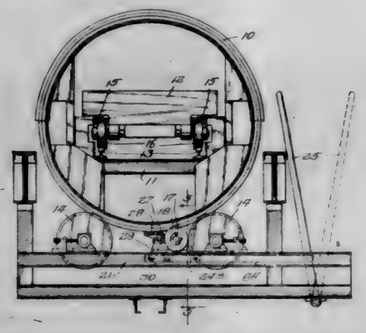
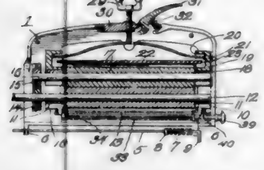
1,565,966. CAR DUMPER. GEORGE N. SIMPSON, Chicago, Ill. Filed Aug. 16, 1924. Serial No. 732,464. 3 Claims. (Cl. 192—4.)



1. In combination with a cylindrical rotatable cage having ring rails mounted on supporting rollers; a driving wheel arranged adjacent one of the ring rails, said driving wheel being carried by a shaft mounted in an eccentric bearing; a brake shoe adjacent one of the ring rails and mounted on a shaft rotatably supported parallel to the shaft carrying the driving wheel; and means for simultaneously rotating the eccentric bearing to bring the driving wheel into contact with the ring rail and rocking the shaft carrying the brake shoe to move said brake shoe out of contact with the ring rail; and vice versa.



1. In a clothes wringer, a frame, a roller mounted in said frame, a pair of vertically sliding blocks in said frame above said roller and formed with bearings and above the latter with vertical notches, a second roller mounted for rotation in the bearings of said sliding blocks, a guard resting on said second roller and having its ends received within said notches of the blocks.

4. In a clothes wringer the combination of a frame having upright spaced channelled sides, bearings in the channelled sides, having inwardly-projecting lugs, a drain table extending through the frame and partially supported thereby when in operative position and provided with side channels engaged by said lugs, and at one side with depending teeth adjacent the ends of one of the channels, and spring-actuated means for engaging either of said teeth to cooperate with the said lugs and frame in holding the table at the desired point of adjustment and in tilted position.

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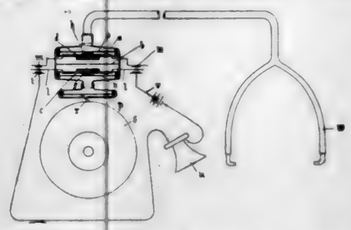
1,565,968. ARRANGEMENT ON TALKING APPARATUS FOR THE RECEPTION AND REPRODUCTION OF RECORDS. KRISTIAN HARALD SMITH, Copenhagen, Denmark. Filed June 16, 1921. Serial No. 478,135. 4 Claims. (Cl. 179—100.1.)



1. The combination of a diaphragm, a second diaphragm, mechanical means for transmitting the vibrations of said first-named diaphragm to said second-named diaphragm, a magnet electro-magnetically coacting with said second-named diaphragm, a third diaphragm, a magnet co-operating with said third-named diaphragm, an electrical circuit interconnecting said magnets, a microphone and switching means for connecting said microphone with said first-named magnet while disconnecting said first-named magnet out of circuit with said second-named magnet.

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1,565,969. COOLING DEVICE FOR X-RAY TUBES. HARRY SPIRO, San Francisco, Calif. Filed Mar. 26, 1924. Serial No. 702,015. 1 Claim. (Cl. 250—84.)

In combination with an X-ray tube fitted with heat radiating fins disposed in spaced relation to each other on the projecting end of one of the electrodes, a plurality

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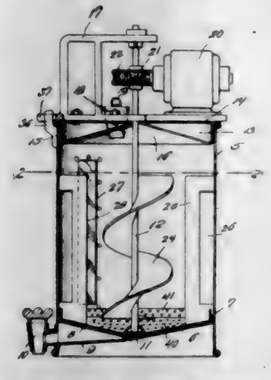
1,565,970. CHURN. VICTOR STANZEL, Schulenburg, Tex. Filed Aug 10, 1925. Serial No. 49,412. 1 Claim. (Cl. 31—34.)



In a churn structure, a vessel, stationary agitators on the inside wall of the vessel, a bottom in the vessel, a movable agitator in the vessel, a cover, a funnel piercing the cover, a stopper for said funnel, and operating mechanism mounted on said cover and associated with the movable agitating means, the combination of a collector sieve having radially extending slots for receiving the stationary agitators and adapted to seat on the bottom of the vessel.

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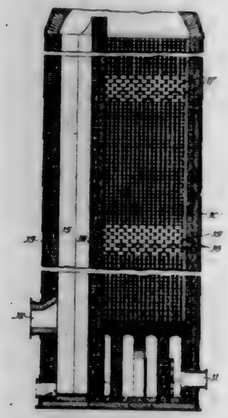
1,565,971. HOT-BLAST STOVE. GEORGE E. STEUDEL, Milwaukee, Wis. Filed July 21, 1924. Serial No. 727,203. 6 Claims. (Cl. 72—15.5.)



1. Checker work for hot blast stoves, comprising in combination horizontal courses of brick extending at right angles to each other and in vertical alignment with each other, whereby flues are formed through said checker work, the said checker work having bricks of unequal height placed therein, whereby communicating passages are formed between the said flues in said checker work.

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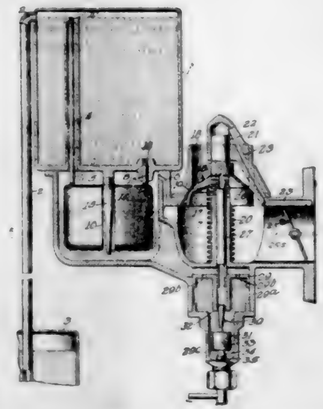
261—66.)



In a carburetor, the combination of a carbureting chamber, a fuel inlet to said chamber, an air inlet to said chamber, an element movable to different positions under different conditions of operation, a hollow stem movable by said element and adapted to supply fuel to said fuel inlet, a restricting orifice associated with said hollow stem, a tapered metering pin cooperating with said restricting orifice, and an adjustable pointed supporting member engaging in a recess in said metering pin for permitting lateral movement of said pin on said supporting member.

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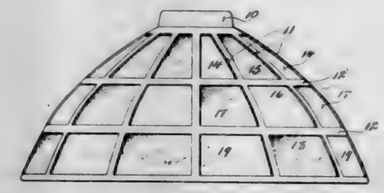
1,565,973. SHADE. MATHEW O. SUTTER, Milwaukee, Wis. Filed Apr. 16, 1923. Serial No. 632,385. 1 Claim. (Cl. 240—108.)



A lamp shade comprising a frame made up of rings and intersecting radial ribs, and a plurality of minor panels and translucent panels carried between said ribs and rings and arranged in a checkerboard manner with the mirror panels both circumferentially and radially alternating with the translucent panels, said mirror panels having their reflecting sides directed inwardly of the shade.

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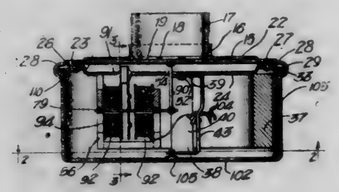
1,565,974. JUNIOR LOUD SPEAKER. DELMAR A. WHITSON, Los Angeles, Calif., assignor to Stentorphone Company, Los Angeles, Calif., a Corporation of California. Filed Nov. 20, 1923. Serial No. 675,804. 29 Claims. (Cl. 179—119.)

4. In a loud speaker, the combination of: means for producing a pair of uni-directional parallel magnetic fields; an armature extending between said magnetic fields and with the ends thereof in said magnetic fields;

means for polarizing said armature; a diaphragm; means for transmitting the movement of said armature to said diaphragm; and a supporting plate, said plate having a centrally disposed flexure area confined by a frame structure and provided with an elongated opening through which said armature extends, said armature being rigidly secured to one longitudinal edge of said opening so that the movement of said armature is resisted by compound flexure in the flexure area of said plate.



16. In telephonic apparatus: a plate for supporting an armature, said plate having a flexure area confined by a frame structure.

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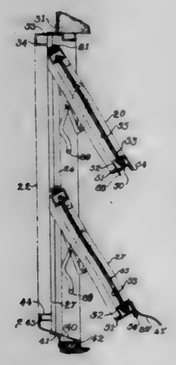
1,565,975. WINDOW CONSTRUCTION. HARRISON D. WILSON, Chicago, Ill. Filed Feb. 15, 1923. Serial No. 619,106. 8 Claims. (Cl. 189—67.)



1. In a weather strip support, a flat metallic member provided with a row of perforations, a resilient metallic weather strip member surrounding the edge of said flat member and extending along each face thereof, said resilient metallic member having dents entering said perforations whereby said resilient member is secured to said flat member.

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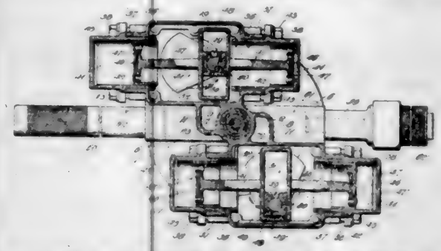
1,565,976. PORTABLE MOTOR. NORMAN E. WOODS, Paterson, N. J.; Leila P. Woods administratrix of said Norman E. Woods, deceased. Filed Sept. 21, 1923. Serial No. 664,122. 19 Claims. (Cl. 121—33.)

1. In a motor, the combination of a central driven shaft or spindle, four cylinders arranged in pairs disposed on opposite sides of said shaft or spindle, the cylinders of each pair being spaced with relation to each other and the axes of the respective pairs being in parallel relation to each other, pistons operating in the cylinders, the pistons of each pair being coupled for movement in unison in the same direction but free from connection with the other pair, transmission shafts arranged on opposite sides of and parallel with the central shaft or spindle and in gear therewith, each transmission shaft being disposed in alinement with the space between opposed cylinders and extending into said space, and



connections in the spaces between the cylinders of the pairs forming a driving couple between each pair of pistons and the associated transmission shaft.

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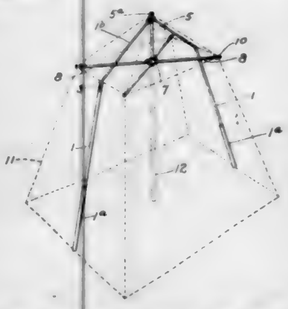
1,565,977. TENT SUPPORT. FLETCHER AMES, Berkeley, Calif. Filed Jan. 8, 1925. Serial No. 1,200. 7 Claims. (Cl. 135—2.)



1. A tent support comprising the combination of a plurality of relatively long supporting rods pivotally connected together at their upper ends and in use diverging from each other, the lower ends thereof being adapted to rest on the ground, a rod carried by and extending downwardly from the junction of the said rods, and a plurality of tent spacing bars having the inner ends movable connected to the rod and the outer ends free and adapted to engage and hold a tent in spread condition.

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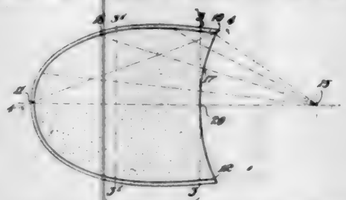
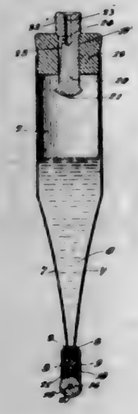
1,565,978. RUBBER HEEL. JOHN W. AYMAR, Jr., New York, N. Y. Filed Sept. 27, 1921, Serial No. 503,604. Renewed Feb. 28, 1923. 6 Claims. (Cl. 36—35.)



1. A resilient heel lift of the concavo-convex type having a concave attaching face, every transverse cross-sectional element of which in planes perpendicular to the marginal edge of the lift is a continuous unbroken arc, said arcs progressively increasing in radii from the breast edge to the rear end of the lift and all parts of said concave attaching face being completely developable into a plane surface.



1,565,979. MOISTENER. JOSEPH BACHRACH, New York, N. Y. Filed Mar. 19, 1925. Serial No. 16,625. 2 Claims. (Cl. 91—49.)



1. A moistener comprising a water container having a constricted end portion terminating in a pocket of greater cross sectional area than the adjacent constricted portion and providing shoulders in the opposite side walls of the container, said pocket having unobstructed communication with the interior of the container and being open at its lower side, an absorbent material in said pocket, and a detachably mounted water distributing roller directly engaging said absorbent material at the open side of the pocket and constituting means for removably retaining the same therein in contacting engagement against said shoulders.

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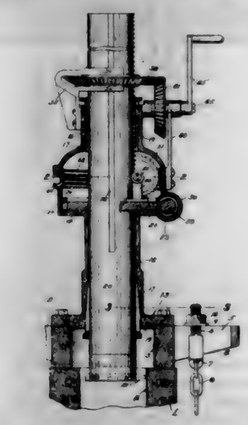
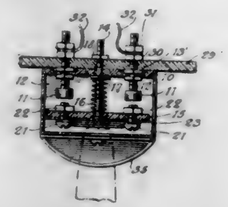
1,565,980. CYLINDER-BORING TOOL. GEORGE W. HUGHSON and ARTHUR STANLEY BACON, Oakland, Calif. Filed June 12, 1920. Serial No. 388,609. 23 Claims. (Cl. 77—2.)



1. In a cylinder boring tool, a housing, a boring bar mounted in the housing, a gear on the bar and splined thereto, means for rotating the gear and bar, and means for transmitting a longitudinal movement to the bar during rotation of the bar, including a device carried by said gear and coacting with the interior wall of said housing.

1,565,981. CIGAR AND CIGARETTE LIGHTER. CHARLES BAIA, Palisade, and ALFRED ADERENTE, Jersey City, N. J., assignors to Slip-On Cigar Lighter Company, Incorporated, New York, N. Y., a Corporation of New Jersey. Filed Apr. 10, 1924. Serial No. 705,475. 4 Claims. (Cl. 219—32.)



2. In a cigar or cigarette lighter a base, terminals for an electric circuit mounted on said base, an electrical resistance unit, a resilient support for said unit adapted normally to hold the unit out of contact with said terminals, but permitting the unit to be pressed into electrical contact with the terminals, and means for adjusting the gap normally separating said unit from said terminals.

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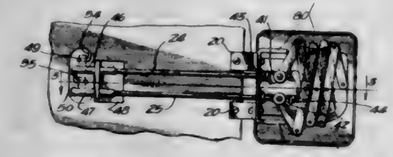
1,565,982. SHAFT-ACTION-SIGNAL DEVICE. FREDERICK M. BALDWIN, Los Angeles, and GALUSHA A. BURGESS, Long Beach, Calif. Filed Sept. 10, 1923. Serial No. 661,905. 5 Claims. (Cl. 116—40.)



1. In an auto signal, the combination of: an extensible member comprised of lazy tongs extensible in a number of signalling positions; means for extending said lazy tongs; levers operatively connected to said extending means; and frictional means for retaining said levers in the positions into which they are moved for the purpose of operating said extending means; and means for swinging said levers back into their original positions.

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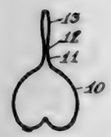
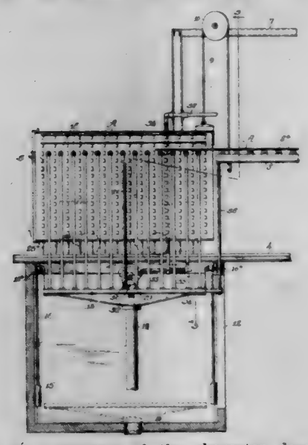
1,565,983. PERFUME HOLDER. GEORGE BORNEMAN, Millville, N. J., assignor to L. G. Nester Company, Inc., Millville, N. J., a Corporation of New Jersey. Filed Dec. 7, 1922. Serial No. 605,365. 3 Claims. (Cl. 215—1.)



1. A flat dispensing container for perfume having a single capillary tube outlet adapted to be severed, the thickness of the walls of the container and the size thereof being such that when said container is placed adjacent the warm skin of the human body, the heat therefrom serves as a dispensing agent for the perfume by means of evaporation.

1,565,984. PLASTER-BOARD-DRYING APPARATUS. HUGH B. BROCKENBROUGH, Fort Dodge, Iowa, assignor to Plymouth Gypsum Company, Fort Dodge, Iowa, a Corporation of Iowa. Filed July 7, 1922. Serial No. 573,352. 23 Claims. (Cl. 214—41.)

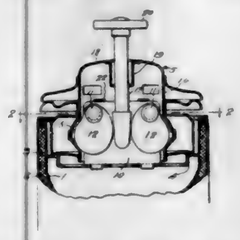


1. In an apparatus of the character described, the combination of an elevator, means for delivering boards onto said elevator, means permitting said elevator to descend by the weight of a board delivered thereon, a tier of board supporting members located adjacent the path of said elevator, and means for bringing said elevator to rest in unloading positions opposite successive supporting members of said tier.

1,565,985. BACKPLATE FOR LOOSE-LEAF BINDERS. EDWARD W. CARPENTER, Fairfield, Conn., assignor to E. W. Carpenter Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 10, 1925. Serial No. 55,474. 4 Claims. (Cl. 129—24.)

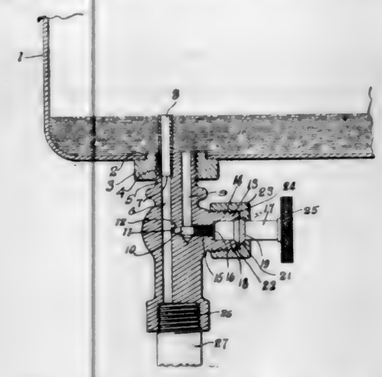
1. In a loose leaf binder, a resilient back member substantially U-shape in cross section to provide side portions, said back member being made in one continuous piece of sheet metal with the ends thereof rounded in a direction longitudinally of the member so that the free edges of the member are substantially in the same plane, a pair of rods pivotally mounted between and engaged by said side portions and provided with oppositely disposed complementary arched arms, and toggle connections between said rods adjacent the opposite ends thereof.

1,565,986. LATCH FOR FLAME SPREADERS OF OIL BURNERS. LEE S. CHADWICK, Shaker Heights, and MARC RESEK, Cleveland Heights, Ohio, assignors to The Cleveland Metal Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 12, 1922. Serial No. 528,833. 21 Claims. (Cl. 158—94.)



12. In combination with a burner of the character set forth, a flame spreader adapted to be inserted within the upper end of the burner and comprising a sleeve having an annular recess, the burner having an element which extends into said sleeve when the spreader is in place within the burner, pendants pivotally supported by the aforesaid element and having parts arranged to occupy the annular recess of the spreader, and a member slidable within the spreader and having a part adapted to repose between the pendants for holding them outwardly with their aforesaid parts within the recess of the spreader sleeve, the member serving as a lifter for the spreader and retractable from between the pendants when the spreader is lifted thereby.

1,565,987. VALVE. CHARLES JAMES COIL, Dayton, Ohio. Filed Mar. 15, 1923. Serial No. 625,401. 1 Claim. (Cl. 251—43.)



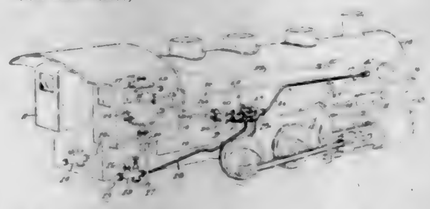
A reserve valve for gasoline tanks, comprising a casing provided with a passageway, said casing having an exteriorly threaded projecting portion provided with an enlarged recess having a tapered mouth formed at the outer end of said projecting portion, said casing and projecting portion having a recess smaller in diameter than the enlarged recess, extending from the enlarged recess to the passageway and having a threaded wall, a hand operated threaded stem adapted to close said passageway and having an enlarged portion provided with a collar having tapered faces, said enlarged portion and collar extending respectively into the enlarged recess and tapered mouth, the threads on the stem engaging the threads of the small recess and a cap nut engaging the threads of said projecting portion and having a tapered recess engaging a portion of the tapered surface of the collar.



1,565,988. FILTER. WILLIAM P. COTTRELL, Los Angeles, Calif. Filed Oct. 28, 1924. Serial No. 746,825. 3 Claims. (Cl. 210—154.)

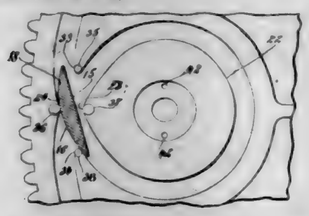
1. A filter comprising spaced walls of impermeable material with perforations for fluid, the perforations being out of registration with one another so that fluids passing through said walls must travel therebetween for a substantial distance, a compressible filtering medium packed therebetween, and means to adjust the compression of said walls upon said medium.

1,565,989. FEED-WATER APPARATUS FOR STEAM BOILERS. MICHAEL M. CROWLEY, Sioux City, Iowa. Filed Jan. 22, 1925. Serial No. 3,935. 9 Claims. (Cl. 122—397.)



1. In combination with a locomotive having a boiler, an injector and a fire box, an injecting tube, a return tube, a preheating tube extending through the fire box and communicating at one end with the injecting tube for conducting feed water to the boiler, a valve connecting the other end of the preheating tube to the injector and to the return tube and adapted to automatically establish communication between the injector and preheating tube when the injector is in action, and between the return tube and preheating tube when the injector is not in action.

1,565,990. BRAIDING MACHINE AND METHOD. EDWARD C. DANDY and WILLIAM TUCWELL, Baltimore, Md. Filed May 20, 1925. Serial No. 31,489. 6 Claims. (Cl. 96—4.)

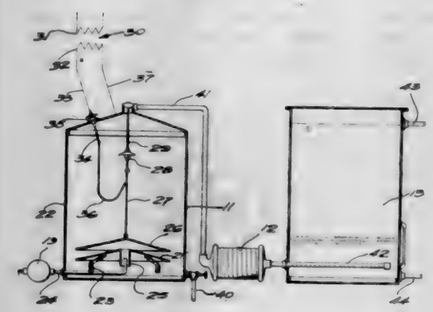


1. In a braider having a centre plate with a main track and a loop track intersecting the main track, so that the operative surfaces of the track meet in points at the intersection, means for arming said points comprising hard metal pins seated in the centre plate, the surfaces of the pins forming part of the operative surface at the points of intersection and resisting the friction and shock of the followers in passing from the circular track to the loop track and vice versa and preventing wear at this point.

1,565,991. RELEASE MECHANISM FOR AWNING-TYPE WINDOWS. JOHN J. DONOVAN, Oakland, Calif. Filed June 22, 1925. Serial No. 38,642. 6 Claims. (Cl. 20—42.)

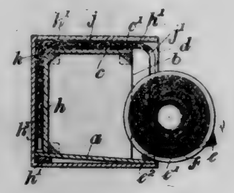
1. An operating mechanism for awning type windows of the type referred to, said operating mechanism comprising operating means arranged exteriorly of the window stop and rotatable in a plane parallel to the surface of said stop, and connecting means underlying the stop and operatively connected to the travelling bar of the window, said connecting means operatively connected to said operating means whereby rotation of the operating means will actuate the connecting means to operate the travelling bar.

1,565,992. DEHYDRATION PROCESS. HAROLD C. EDDY, Los Angeles, Calif., assignor to Petroleum Rectifying Company of California, a Corporation of California. Filed Sept. 8, 1924. Serial No. 736,508. 3 Claims. (Cl. 204—24.)



1. A process of dehydrating emulsions containing solid material in suspension which comprises: subjecting the emulsion to the action of an electric field for the purpose of agglomerating and precipitating the water and solids in suspension; removing the material so precipitated; and filtering the residue to agglomerate the water remaining in the residue.

1,565,993. DISK-RECORD CONTAINER OR CABINET. HUGH D. FITZPATRICK, Glasgow, Scotland, assignor to Ernest Hayward Fairbanks, Philadelphia, Pa. Filed Feb. 15, 1922. Serial No. 536,657. 1 Claim. (Cl. 211—16.)



In a device of the character stated, the combination of a cabinet, a plurality of superimposed compartments therein, a plurality of cells in said compartments, each of said cells having inner and outer portions and vertically arranged partitions, a flexible roll top cover positioned in the space between said portions, a pivotally mounted transverse bar for limiting the outer movement of the records, a fixed forwardly inclined floor for each cell and means for locking said bar in closed position.

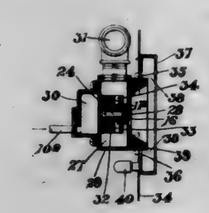
1,565,994. NONCORROSIVE COMPOSITION FOR TERMINAL BATTERIES. GEORGE K. FRANKLIN, Swedesboro, N. J. Filed Apr. 7, 1925. Serial No. 21,318. 3 Claims. (Cl. 134—1.)

1. A composition resulting from the combination of two mixtures, one of said mixtures including baking soda and graphite and the other mixture including ammonia, carbonic acid, lubricating oil and alcohol.

1,565,995. RUBBER COMPOUND AND METHOD OF MANUFACTURE. ABRAHAM L. FREEDLANDER and WILLIAM G. GOODWIN, Dayton, Ohio, assignors to The Rubber Development Company, Dayton, Ohio, a Trust Estate. Filed Dec. 26, 1922. Serial No. 608,978. 5 Claims. (Cl. 18—53.)

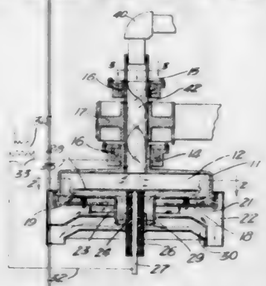
2. In combination, rubber, rosin oil, sulphur, ammonium bicarbonate, lime, ethylidene-aniline, and gas black.

1,565,996. OIL BURNER. LAURENCE E. FRENCH, Sebastopol, Calif. Filed June 16, 1923. Serial No. 645,825. 11 Claims. (Cl. 158—76.)



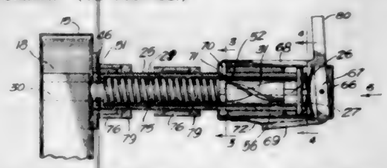
1. In a liquid fuel nozzle to which air and a liquid fuel may be delivered under pressure, means therein for dividing the air passing therethrough into substantially three concentric columns, to the intermediate one of which said liquid fuel is delivered, and means for thereafter co-mingling the air streams in said columns to create atomization of the liquid fuel.

1,565,997. CENTRIFUGAL DEHYDRATOR. CHARLES W. GIRVIN, Buena Park, Calif., assignor to Petroleum Rectifying Company of California, San Francisco, Calif., a Corporation of California. Filed Apr. 3, 1923. Serial No. 629,604. 8 Claims. (Cl. 204—25.)



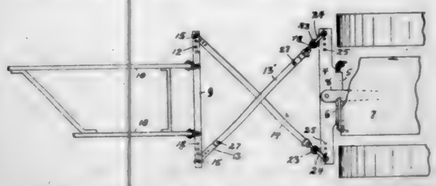
1. In a dehydrator for treating an emulson of oil and water: means for subjecting the emulsion to an electric field to coalesce particles of water; and centrifuging means for separating the oil from the water.

1,565,998. AUTO SIGNAL. CLIFFORD H. GLAZE, Long Beach, Calif. Filed Nov. 20, 1923. Serial No. 675,823. 6 Claims. (Cl. 116—52.)



1. In a signaling device of the class described, the combination of: a rotatable shaft; a signaling arm secured to said rotatable shaft; means on said shaft for rotating same; a spring for actuating said rotating means; a barrel enclosing said actuating spring and said rotating means and having a housing for enclosing said signal arm secured thereto; a sleeve cam slidably mounted on said barrel for limiting the activity of said rotating means and likewise the extended position of said signaling; and clamp means secured to said barrel for mounting said device on a vehicle.

1,565,999. TRACTOR HITCH. CHARLES H. HALT, Ossian, Ind., assignor of one-fourth to Charles A. Hoffmann, Fort Wayne, Ind., and sixty one-hundredths to Embra W. Kinsey, Claypool, Ind., and Harry Kinsey, North Manchester, Ind. Filed May 26, 1924. Serial No. 715,788. 3 Claims. (Cl. 280—33.44.)



1. In combination with the tractor and a plow, a transverse beam rigidly fixed on the tractor at the rear end thereof; a second transverse beam rigidly fixed on the plow beam at the front end thereof, both of said transverse beams having adjacent each of their ends a series of spaced bolt holes; and a pair of cross-bars oppositely positioned, each having means at its ends for connection selectively in the corresponding series of bolt holes in said beams, so that either the connections between the forward ends of the cross-arms with the tractor beam, or the connections at the rear end of the cross-bars with said beam on the plow may be spaced at relatively greater or lesser distances apart.



1,566,000. PROCESS OF MANUFACTURING LUBRICATING OILS. RICHARD W. HANNA, Piedmont, and ORVILLE ELLSWORTH CUSHMAN and THEODORE WILLIAM DOELL, Berkeley, Calif., assignors to Standard Oil Company, San Francisco, Calif., a Corporation of California. Filed Apr. 28, 1924. Serial No. 709,681. 10 Claims. (Cl. 196—151.)

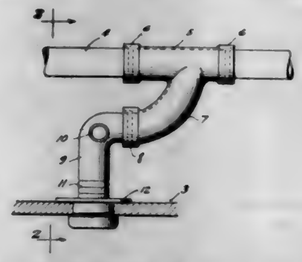
1. The process of manufacturing a lubricating oil of green fluorescence from a petroleum oil normally yielding an oil of different fluorescence, which includes combining with such oil, oil from the residuum of a cracking process wherein a petroleum oil has been subjected to the requisite temperature and pressure to decompose part of the oil into relatively lower boiling point oil and to stabilize the residuum.

10. A lubricating oil possessing a green fluorescence comprising a combination of lubricating oil from the residue of a cracking process wherein the requisite temperature and pressure have been maintained to produce a polymerized and stabilized viscous oil stock, and lubricating oil obtained from petroleum by operations carried out below such stabilizing conditions of temperature and pressure.

1,566,001. LACING HOOK. FRANK A. HERRICK, Toledo, Ohio. Filed July 18, 1924. Serial No. 726,653. 1 Claim. (Cl. 24—146.)

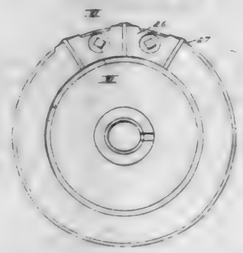
A lacing hook having a body plate, securing spurs projecting from the front and rear edges of the plate with the rear spurs laterally spaced and adapted to lap the engaged material at opposite sides of the front spur, a lace engaging tongue projecting from the rear edge of the plate between the spurs at such edge and forming a loop over the plate with the free end portion of the tongue extending into the loop toward the rear edge of the plate and in spaced relation to the plate to form a lace entrance opening and also to form a lace engaging hook at the entrance side of the tongue loop.

1,566,002. DRAINAGE CONNECTION FOR CLOSET BOWLS. ARTHUR HESS, Los Angeles, Calif., assignor of one-half to Samuel L. Marsh, Los Angeles, Calif. Filed Mar. 30, 1925. Serial No. 19,296. 2 Claims. (Cl. 285—4.)



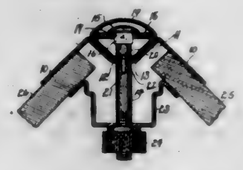
1. The combination with an inclined horizontal waste line of a Y-fitting having a run connected thereto so as to be rotatably adjustable and interposed in said line, the lateral arm having an opening with its axis parallel to said line, an elbow connected to said lateral arm so as to be rotatably adjustable, and a carrier engaging the forward arm of said elbow and serving as a support.

1,566,003. LENS BLOCK. HARRY W. HILL, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed May 12, 1921. Serial No. 468,877. 5 Claims. (Cl. 51—217.)



1. In a device of the character described, a wheel having a peripheral groove and peripheral jaw clamps, means for drawing the parts separated by the peripheral groove toward each other, and resilient means on the drawing means reacting against the tendency of the separated parts to separate.

1,566,004. STORE-FRONT CONSTRUCTION. FRED HIMMEL and ISIDORE HIMMEL, New Haven, Conn. Filed May 29, 1925. Serial No. 33,821. 1 Claim. (Cl. 20—56.3.)

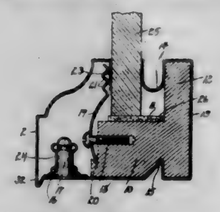


A store-front construction, comprising an outer strip formed with a channel, including a base having perforations at intervals, a channel-strip located in said channel, an angular washer in said channel-strip, said washer having an angular opening, a bolt having an angular portion to enter the angular hole in the washer, said bolt formed with a transverse slot, said base formed with longitudinal depression adjacent the said perforations, and a key extending through the slot in the bolt and located in said depression.

1,566,005. STORE-FRONT CONSTRUCTION. FRED HIMMEL and ISIDORE HIMMEL, New Haven, Conn. Filed Feb. 12, 1925. Serial No. 8,634. 1 Claim. (Cl. 20—56.4.)

A store-front construction, comprising an inner, sash-holding strip, a series of supporting-blocks arranged at intervals within said strip, said blocks each having a supporting shoulder, an upwardly-projecting arm over which the upper edge of the inner strip is folded, said blocks also formed in their lower faces with notches into which the inner strip is bent, said inner strip projecting beyond the said blocks and provided with posts, a ten-

sion-strip secured to the outer face of said blocks and projecting upwardly therefrom and corrugated at their upper edges, an outer strip having its upper edge turned



downward inside the edge of the tension-strip and provided at its lower edge with a socket-member adapted to set over and interlock with said post.

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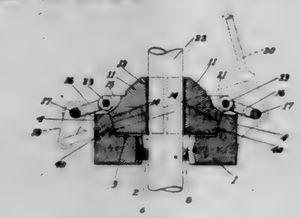
1,566,006. PIPE SPIDER. BENJAMIN F. HINIKER, Taft, Calif. Filed Aug. 25, 1923. Serial No. 659,293. 6 Claims. (Cl. 24—263.)



3. A pipe holding spider comprising a base having a vertical cavity therethrough, opposed pipe engaging jaw blocks mounted in the cavity, a single lever for moving the blocks, connecting means between said lever and the blocks to cause both blocks to move together with a movement of the lever, and means included with said connecting means whereby with such lever movement the blocks will be moved from their pipe engaging position both horizontally and vertically for a certain distance and then horizontally only.

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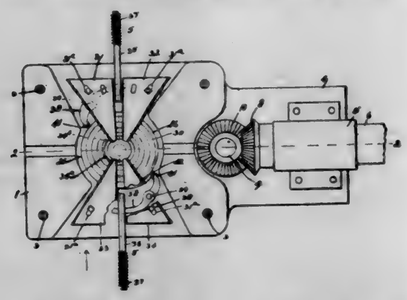
1,566,007. MACHINE FOR ROLLING METAL BALLS. JOHN R. HINNEGAN, Philadelphia, Pa. Filed Feb. 10, 1925. Serial No. 8,130. 3 Claims. (Cl. 80—21.)



2. A machine of the character described comprising a lower plate, a bushing threaded into said plate, a trunnion journalled in the bushing, a disc carried by the trunnion, a circular die secured upon the disc, a tapered spiral groove formed in the upper surface of said die, a gear wheel secured to the trunnion, a pinion with which said gear wheel meshes, a short shaft upon which the pinion is secured, said short shaft being journalled in a portion of the machine, a bevel gear carried by the upper end of the short shaft, a second bevel gear meshing with the first named bevel gear, means for rotating the last named gear, a top die having a tapered groove in the lower surface thereof, said groove being spiralled in the opposite direction from the groove in the bottom die, a disc to which the upper die is secured, a trunnion formed with the upper disc, a gear wheel secured to the last named trunnion, a pinion meshing with said gear, a short shaft upon which said last named pinion is secured, a bevel gear secured to the lower end of said short shaft, the latter meshing with the power bevel gear, means for feeding slugs to the spiral grooves, and means for giving said slugs a positive initial rotary movement.

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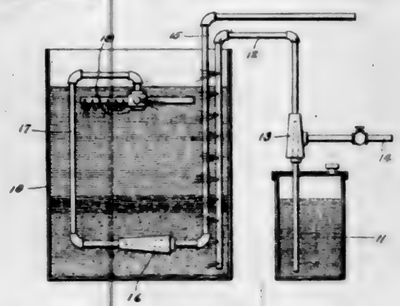
1,566,008. METHOD OF TREATING CRUDE OIL OR PETROLEUM. CARL G. HINRICHS, St. Louis, Mo. Filed Nov. 23, 1918. Serial No. 263,806. 6 Claims. (Cl. 196—4.)



3. The hereindescribed process of treating natural petroleum emulsions which consists in thoroughly mixing therewith a chlorine addition product of a liquid fatty acid in sufficient quantity to effect a separation of the oil from the brine and foreign matter of the emulsion.

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1,566,009. PROCESS OF TREATING PETROLEUM. CARL G. HINRICHS, St. Louis, Mo. Filed Nov. 3, 1923. Serial No. 672,680. 7 Claims. (Cl. 196—4.)

1. The method of treating an aqueous emulsion in hydrocarbon oil which includes the mixing of a water soluble sulpho-cyanide therewith.

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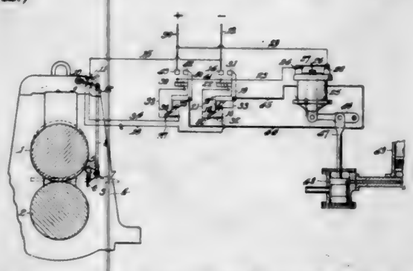
1,566,010. AUTOMATIC ELECTRICAL ACTUATING DEVICE. OSBIAN HIVELY, Alliance, Ohio. Filed Feb. 14, 1924. Serial No. 692,928. 12 Claims. (Cl. 80—42.)



1. In apparatus of the character described, the combination with an element to be actuated, of a solenoid having its armature operatively connected to said element, a switch controlled electric circuit including a pivoted member overhanging said armature, a switch arm for closing said circuit normally disposed out of and shiftable into closing relation to said circuit, a normally open



contactor switch having a magnet coil located in and energizable through closing of said circuit, said contactor switch being adapted to be actuated by energizing of said magnet coil for closing a shunt circuit therethrough, a second normally open contactor switch having a magnet coil located in and energizable through the closing of a second shunt circuit effected by the return of said switch arm to normal position, said second contactor switch being adapted to be actuated by the energizing of its magnet coil to close a main circuit which includes said solenoid and the therewith associated pivoted member, whereby the armature of said solenoid is attracted for actuating the thereto connected element and also for moving said pivoted member to circuit breaking position.

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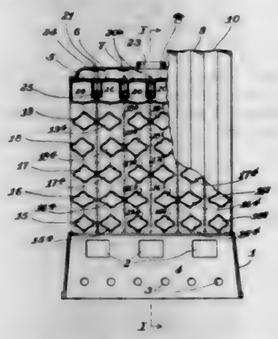
1,566,011. BOILER. CHARLES HOWARD HOOK, Pittsburgh, Pa. Filed Jan. 31, 1924. Serial No. 689,652. 3 Claims. (Cl. 122—223.)



2. In a water heater comprising a plurality of clamped together hollow sections adapted to contain water and comprising top and side compartments and similar transverse horizontally connecting tubes of greater width than height in cross section and of lesser width than the side compartments, the tubes of each section being alternately offset on opposite sides of the middle plane of the section, and tubes at the same level of each two adjacent sections being arranged to be alternately spaced near together and materially apart in ascending order above the lowermost tubes in each section.

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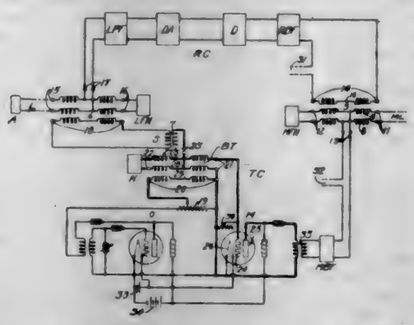
1,566,012. CARRIER-WAVE SIGNALING SYSTEM. JOSEPH W. HORTON, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 23, 1920. Serial No. 432,647. 14 Claims. (Cl. 179—171.)



1. In a modulating system having a modulator with a single pair of input terminals and a source of carrier waves and a source of telephone current both connected thereto impress current thereupon, the method of preventing reaction between said sources which comprises impressing the current from each of said sources upon said modulator conjugately with respect to the other of said sources.

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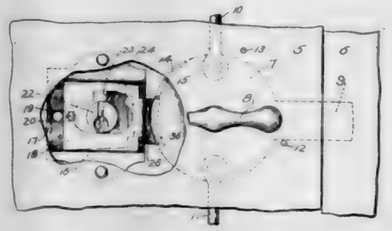
1,566,013. LOCK. NORMAN B. HUBD, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Mar. 26, 1924. Serial No. 701,981. 15 Claims. (Cl. 70—46.)



1. In a lock for a locker door or the like, a locking plate controlling a dead bolt, a lock casing carrying a cylinder plug, a locking bolt pivotally and slidably supported by said lock casing, said cylinder plug having means for retracting said locking bolt, said locking bolt and lock casing having coacting means for latching the locking bolt in retracted position, and a spring for biasing said locking bolt so as to cause the same to engage said lock casing to hold the locking bolt in retracted position, said locking plate having means for disengaging said locking bolt from said retracted latched position, said locking bolt when in the forward position engaging behind a shoulder on the locking plate for holding the same and the dead bolt controlled thereby in locked position.

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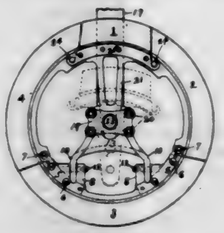
1,566,014. COLLAPSIBLE-TIRE CORE. FRANK L. JOHNSON, Akron, Ohio. Filed July 28, 1920. Serial No. 399,493. 25 Claims. (Cl. 154—9.)



8. In a collapsible core construction, a core body composed of a plurality of sections, one of said sections being tapered outwardly of the core, means to support the core in a vertical plane, the tapered section being movable toward and from the center of the core, and a horizontal pivot for the remaining sections whereby they may be rocked as a group out of the plane of the first named section.

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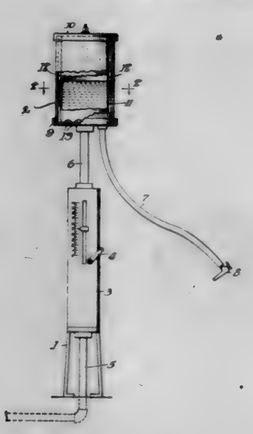
1,566,015. METHOD OF AND MEANS FOR DISPLAYING LIQUIDS. LORENZO RALPH JOHNSON, Chicago Heights, Ill. Filed Oct. 25, 1920. Serial No. 419,174. 11 Claims. (Cl. 220—82.)

2. In a liquid dispensing device, the combination of a receptacle having a transparent wall, means in the form of a reflector in the receptacle, adjacent said wall, forming a separate annular compartment in the receptacle

for separating a thin layer of the liquid in the receptacle from the remainder of the liquid, so that the layer of liquid is visible through the transparent wall and the remainder concealed behind said means, said annular



compartment communicating at the top and bottom thereof with the main chamber of the receptacle, a supply duct for introducing liquid into the receptacle and an exhaust duct for withdrawing the liquid therefrom.

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1,566,016. SUSPENDER STRAP AND BELT SUPPORT. PER GUST JOHNSON, Kansas City, Kans., and CARL WILHELM MALMSTROM, Kansas City, Mo. Filed May 8, 1924. Serial No. 711,797. 1 Claim. (Cl. 241—11.)

As an article of manufacture, a suspender strap and belt support, comprising a substantially U-shaped member, the legs of which are connected by a curved portion having outwardly and upwardly flaring side extensions, one leg only having perforations for attachment to a garment, the other leg being crimped intermediate its ends to form a narrow passage to a button hole tab receiving space above said crimp, and a second crimp near the outer extremity of said leg, substantially contacting with the other leg, to form a belt receiving space between said legs and said crimps.

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1,566,017. WHEEL. ARTHUR WILLIAM JONES, Birmingham, England, assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y., a Corporation of New York. Original application filed Jan. 16, 1925, Serial No. 2,920. Divided and this application filed Sept. 12, 1925. Serial No. 55,990. 1 Claim. (Cl. 301—63.)

A wheel of the type described comprising in combination a separately formed rim which in cross section has a depressed central portion and outwardly extending horizontal edge portions, each of said edge portions terminating in a peripheral bead bent inwardly and downwardly and terminating substantially in contact with the outer surface of the horizontal portion, and two separately formed side plates integrally united one with another in the median plane of the wheel from the hub to

the felloe, said felloe shaped to engage the sides of the depressed portion of the ring and having outwardly extending horizontal portions adapted to engage the edge portions of the rim.

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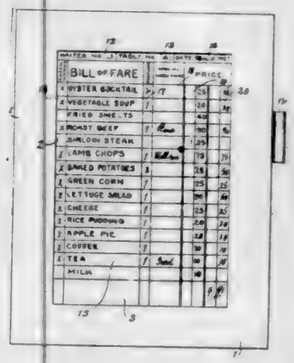
1,566,018. REGISTERING DEVICE. ERWIN JOSEPHY, New York, N. Y. Filed Apr. 29, 1921. Serial No. 465,385. 1 Claim. (Cl. 40—159.)




A frame for holding register sheets and the like comprising a face member provided with an opening therethrough, a back secured to the rear of said face member, said back having open ends and closed sides, a clamping bar having its ends hingedly secured to said face member, said bar projecting beyond the open end of said back to engage a menu and hold it against the rear of the face member, and spring means secured to said face member and said bar ends to press the bar against the menu as aforesaid.

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1,566,019. COMBINED MENU CARD AND BILL. ERWIN JOSEPHY, New York, N. Y. Original application filed Apr. 29, 1921, Serial No. 465,385. Divided and this application filed Mar. 13, 1923. Serial No. 624,803. 2 Claims. (Cl. 283—60.)

1. In a combined menu card and bill, a blank having a series of separate spaces containing indicia pertaining to articles which may be ordered, a series of charge figures adjacent said indicia and registering in a common line therewith, a series of separate spaces each of which registers in a common line with each of the aforesaid indicia, said spaces being appropriately designed to receive an indicator mark against such of said articles as are to be ordered, a secondary series of separate ruled spaces each of which registers in line with one of said

indicia and wherein said charge figures may be arranged for totaling and an appropriately designated totaling space arranged below and vertically in alignment with said secondary series of spaces upon said blank.

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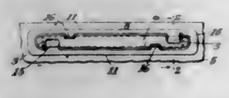
1,566,020. PAPER FASTENER. CHARLES D. KING, Rutherford, N. J. Filed Aug. 28, 1925. Serial No. 53,014. 7 Claims. (Cl. 24—153.)



1. A paper fastener embodying spaced apart tongues to be pushed through papers and the projecting portions bent down on the same, a member to be placed over and cover said bent down tongue portions, and means to secure said covering member to said bent down tongue portions which include two elements to be moved under them in relatively opposite directions.

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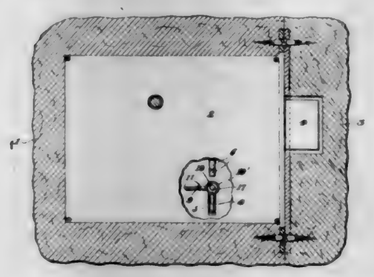
1,566,021. SAFETY DEVICE FOR LOCKS. GEORGE KOMARCSEVITS and FRANK G. NUNN, Cleveland, Ohio. Filed Jan. 13, 1925. Serial No. 2,101. 2 Claims. (Cl. 70—8.)



1. A safety device for locks comprising in combination with a lock having opposite unobstructed key receiving slots therethrough, a safety device embodying a shank having one end supported in a slot at one side of the lock, a ward carried by the shank, a plate rotatably supported on the shank and projecting laterally therefrom, a pin projecting from the shank adjacent the plate, a positioning key for the safety device having a tubular shank and bayonet slot in its side wall to receive the pin and rotate the shank to position the plate in a horizontal plane and the ward vertically, and means for retaining the plate in position on the shank including an annular shoulder on the shank, a portion of the plate bearing being cut away with one edge of the plate bearing engaging the shoulder and a pin carried by the shank within the cut away portion and engaging one side thereof to hold the plate bearing in engagement with the annular shoulder.

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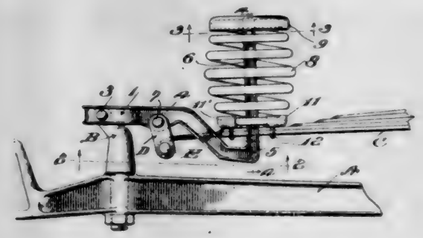
1,566,022. SHOCK-ABSORBING ATTACHMENT FOR FORD AUTOMOBILES AND THE LIKE. JOSEPH L. KOST, Houston, Tex. Filed Apr. 19, 1924. Serial No. 707,685. 4 Claims. (Cl. 267—17.)



1. A shock absorbing attachment for a Ford automobile or the like comprising a lever formed by shaping a single piece of material and bending it substantially at the middle of its length to bring the two halves into spaced parallel relation and having a connection at one end for pivotal attachment to the perch of a Ford automobile and provided with an intermediate connection for the hanger which is connected to the leaf spring, said lever having its other end bent downwardly so as to lie below the leaf spring when assembled thereto, and thence vertically upwardly to a point above said leaf spring, and a coiled spring mounted on said vertical portion of the lever and provided with a coupling for attachment to the leaf spring, said coupling and mounting for said coiled spring being constructed and arranged to maintain said coiled spring in a vertically compressible position between the upper end of said lever and said leaf spring.

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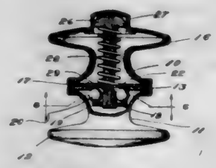
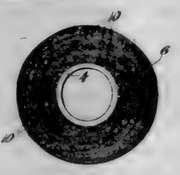
1,566,023. SEPARABLE CUFF BUTTON. CHARLES P. KUEHNER, North Providence, R. I. Filed Apr. 23, 1925. Serial No. 25,406. 6 Claims. (Cl. 24—110.)



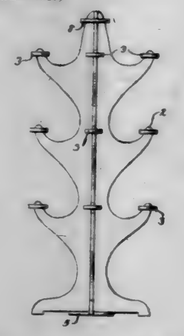
1. A separable cuff button comprising stud and socket members, said stud member having a sheet metal inner head plate with an integral hollow projection to extend into said socket member, socket gripping elements operatively mounted in and projecting from said hollow projection and an axially movable spring pressed pin for moving and holding said elements in expanded position and having a recess therein for permitting said gripping elements to move to released position.

1,566,024. CORE. HORACE Z. LANDON, Newtonville, Mass. Filed Nov. 8, 1923. Serial No. 673,611. 8 Claims. (Cl. 206—46.)



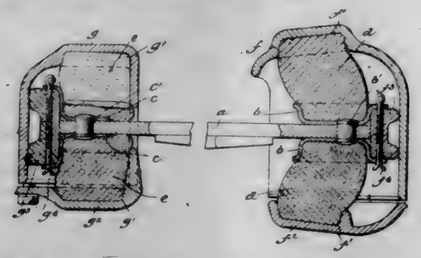
2. A package comprising a roll of material having a flat surface capable of being marred during the process of cutting said roll and a paper core, said core having been treated with an agent in such manner that flaking of the core is prevented when said core is cut to length.

1,566,025. DISPLAY TREE. PETER L. LAZARUS, Wichita, Kans. Filed Sept. 22, 1924. Serial No. 739,185. 1 Claim. (Cl. 211—24.)



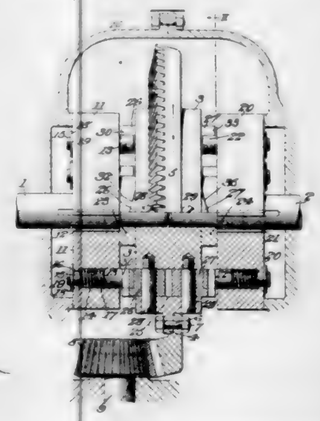
In a display tree, a plurality of similar wings, each having a straight vertical inner edge and an outer edge forming a series of alternate horn shaped arms and recesses, the vertical edges of said wings being hingedly connected, the bottom edge of each wing being cut at right angles to the vertical edge, and each said lower edge having cut therein, a recess forming a shoulder adjacent the inner corner, in combination with a small fastening member having radial slots to receive the respective lower inner ends of the wings with the outer faces of said shoulders in contact with the ends of said slots a slotted member connecting the upper ends of said wings, and supporting members detachably connected to the outer ends of said horns.

1,566,026. CUSHION CONNECTION FOR VEHICLE CONSTRUCTION. AUGUST H. LEIPERT, College Point, and JOHN GOLDSMITH, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 5, 1924. Serial No. 736,020. 4 Claims. (Cl. 267—30.)



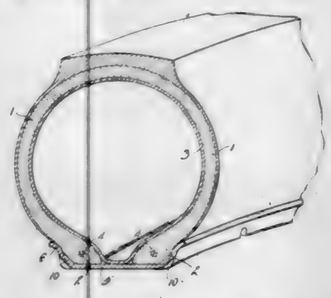
1. In combination with the spring of a vehicle, nonmetallic yielding means to support it and connect it to the chassis frame, and independent non-metallic yielding means operatively engagenble by the end of the spring to resist yieldingly elongating movements thereof.

1,566,027. POWER-TRANSMITTING MECHANISM. WILLIAM J. LUTTON, Paterson, N. J. Filed Sept. 7, 1923. Serial No. 661,446. 3 Claims. (Cl. 74—7.)



1. A power transmitting mechanism comprising, alined shaft sections, members thereon, yielding reciprocating devices in said members, a driven element, and inter-engaging means mounted to oscillate in said element and arranged to coact with said devices for rotating said shaft sections.

1,566,028. TIRE AND RIM CONSTRUCTION. JUSTIN W. MACKLIN, Lakewood, Ohio, assignor to Jackson D. Comstock, Chester, W. Va. Filed Dec. 15, 1923. Serial No. 680,838. 2 Claims. (Cl. 152—20.)

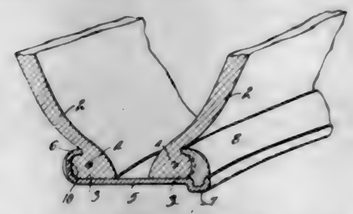


1. A tire casing having bead portions of thickened fabric and rubber formed to fit straight side rims, and a rim provided with inwardly extending projections presenting an edge diagonally across the inner corner between the flange and base and adapted to form a depression in the outer lower corner of the bead consequent upon inflation.

1,566,029. TIRE AND RIM CONSTRUCTION. JUSTIN W. MACKLIN, Lakewood, Ohio, assignor to Jackson D. Comstock, Chester, W. Va. Filed Dec. 15, 1923. Serial No. 680,839. 1 Claim. (Cl. 152—20.)

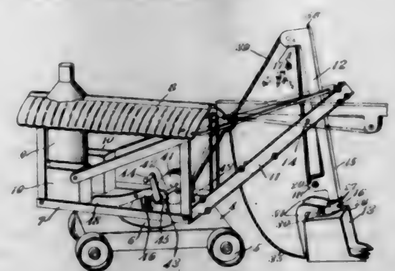
The combination with a clincher tire casing and a clincher rim, of means for preventing creeping and consequent rim cutting, said means consisting of inwardly projecting ridges on the inner side of the flange above the base and opposite the convex portion of the bead and





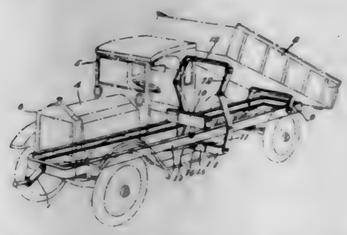
adapted to form a cavity in the bead as the bead is forced toward the flange by the internal pressure within the casing.

1,566,030. POWER-SHOVEL CONSTRUCTION. ISIDORE MARKS, Dorchester, Mass., assignor to Keystone Mfg. Co., South Boston, Mass., a Corporation of Massachusetts. Filed Apr. 13, 1925. Serial No. 22,568. 6 Claims. (Cl. 24—135.)



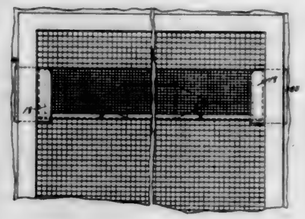
1. A power shovel construction having, in combination, a shovel, a boom, a pair of arms forming a telescopic shovel arm pivoted on the boom, a spring for normally holding the arms telescoped when the shovel is in a position ready for digging, means for operating the shovel to swing it on its pivot to dig and then upward to a dumping level and for relatively moving the arms to locate the shovel over the place of deposit whereby said spring is extended, and means for holding the arms extended that is releasable for returning the shovel arms to their normal position under the influence of said spring.

1,566,031. DUMP-BODY TRUCK. ISIDORE MARKS, Dorchester, Mass., assignor to Keystone Mfg. Co., South Boston, Mass., a Corporation of Massachusetts. Filed Apr. 13, 1925. Serial No. 22,569. 6 Claims. (Cl. 298—19.)



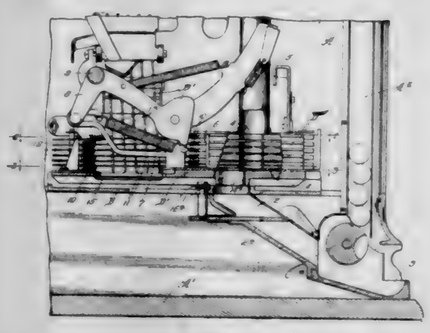
1. A dump body truck construction having its body pivotally connected at its rear end to the frame, means at the forward end of the body operable to raise the body to dumping position, a hand crank depending from the frame at the front side of its forward end, and direct connections between said crank and body raising means for operating the latter when the crank is rotated.

1,566,032. SCREEN-DOOR FLYTRAP. HUGH E. MARTIN, Madison, Wis. Filed Feb. 11, 1924. Serial No. 692,175. 1 Claim. (Cl. 43—119.)



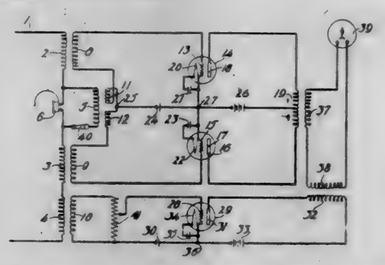
In a fly trap removably located in brackets which are secured to the outside of a screen door by a portion of the brackets being forced between the screen and the binding molding of the door, the combination with the screen of the door of a metal bottom plate with portions removed from the edge abutting the door screen, rectangular frames secured to the ends of the bottom plate with light admitting closures for the frames, truncated tapering partitions located a distance inward from the ends and extending from the plate upward to a wire screen ceiling the width of the bottom plate, and extending from one tapered partition to the other, covered partitions secured longitudinally of the bottom plate terminating at the tapered partitions, a central strip of metal extending from the bottom plate to the ceiling wall, with an opening in same through which flies may pass from the inside of the door to the inside of the trap, wire screen covering the front, top, and back of the trap, excepting that portion of the back between the bottom plate, screen ceiling, and the tapered partitions.

1,566,033. FRAUD-PREVENTING DEVICE. FRED L. MILLS, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 29, 1925. Serial No. 5,508. 4 Claims. (Cl. 211—8.)



1. In a machine of the character set forth, the combination of a coupon magazine and pay-out mechanism associated therewith, of a fraud-preventing device comprising a member set normally to permit the pay-out mechanism, when operated, to effect discharge of coupons, and means for throwing said member to an obstructing position to prevent such discharge when the machine is subjected to a jarring action.

1,566,034. THERMIONIC METER. JOHN MILLS, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 8, 1920. Serial No. 408,870. 5 Claims. (Cl. 171—34.)

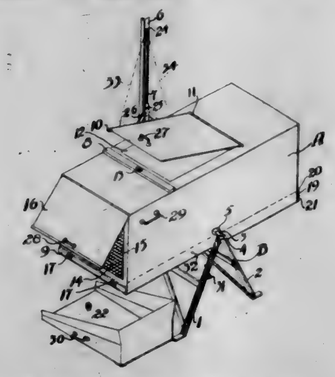


4. In combination, an oscillatory current circuit, a balanced vacuum tube circuit having input and output circuits, a single vacuum tube having an adjustable input circuit and an output circuit, inductive connections between said oscillatory current circuit and each of said input circuits, and a recording circuit inductively connected to each of said output circuits.

1,566,035. MOTOR VEHICLE REGISTRATION PLATE. THOMAS J. MOONEY, New York, N. Y., assignor to WALTER P. CHRYSLER, New York, N. Y. Filed Feb. 5, 1924. Serial No. 690,780. 5 Claims. (Cl. 283—18.)

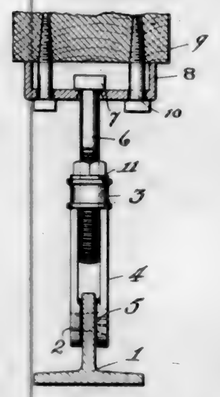
1. A registration plate comprising a designation, the component elements of which are disaligned.

1,566,036. ASH SIFTER. PETER S. NACHTSHEIM, St. Paul, Minn. Filed Jan. 26, 1924. Serial No. 688,864. 2 Claims. (Cl. 209—348.)



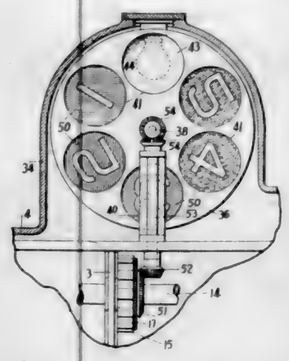
1. An ash sifter comprising a pivoted container, a door in the top thereof for inserting ashes in the container, a screen positioned transversely of the container, in spaced relation from the bottom thereof, a weighted door pivotally mounted in a wall of the container below the transversely positioned screen, handle means to impart a reciprocal tilting motion to the container, and resilient means for returning the container to a neutral condition after each reciprocation thereof.

1,566,037. MONORAIL TRACK SUSPENSION. RUSSELL E. NELLES, Reading, Pa., assignor to Reading Chain and Block Corporation, Reading, Pa., a Corporation of Pennsylvania. Filed July 30, 1925. Serial No. 46,992. 3 Claims. (Cl. 104—111.)



1. In a monorail track suspension, a supporting member, means for securing it to an overhead structure, a threaded, supporting rod depending therefrom and rockably held therein, a clevis vertically adjustable on the rod, said clevis having a bifurcated lower portion formed with perforations, a T-bar having a series of perforations, and a clevis pin securing the bifurcated end of the clevis to the T-bar in pivotal conection.

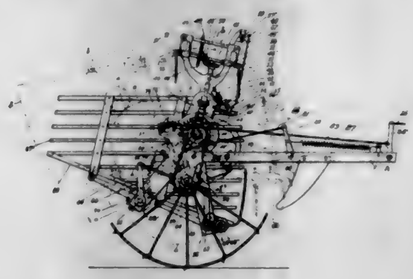
1,566,038. INDICATING DEVICE FOR TAXIMETERS AND THE LIKE. WILLIAM G. ORTH and GEORGE H. DARST, Dayton, Ohio, assignors to Ohmer Fare Register Company, Dayton, Ohio. Filed Feb. 11, 1924. Serial No. 691,970. 12 Claims. (Cl. 235—30.)



12. In a taximeter, a registering device, actuating means therefor, a flag to control the operation of said registering device, a movable indicating member having a plurality of designations which are movable successively into indicating position, an operative connection between said movable member and said registering device, and means controlled by said flag for illuminating the designation which is in indicating position.



1,566,039. GRAIN SHOCKER. HENRY C. OTTESON, St. Paul, Minn. Filed Mar. 5, 1923. Serial No. 622,857. 7 Claims. (Cl. 56—424.)

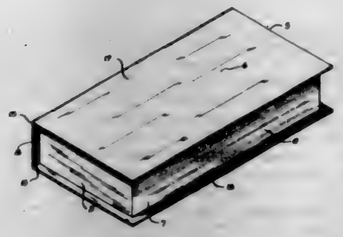


1. A grain shocking machine comprising a main frame, a wheel support therefor, a second frame pivotally connected to the main frame, means for intermittently rotating the second frame, a sheave receiving basket connected to, and relatively movable with respect to said second frame, a gear pivotally mounted on the pivotal connection between the basket and said second frame, oscillating means connected to said gear, a toothed device in mesh with said gear, and means controlled by an action of said gear to relatively move the basket with respect to the second frame to deposit sheaves in the basket in the form of a shock when said second frame is rotated.

1,566,040. METHOD OF PRODUCING CHLORINE. EDWIN M. PARTRIDGE, Lansing, and ELWOOD W. SCARRITT, Oak Park, Ill. Filed May 11, 1925. Serial No. 29,562. 5 Claims. (Cl. 23—219.)

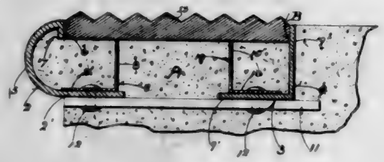
1. The method of producing chlorine comprising admixing a pyrosulfate, a chloride and a permanganate in the presence of moisture.

1,566,041. FOLDING BOX. IRVING PETER SCHAUS, Milwaukee, Wis. Filed Aug. 11, 1924. Serial No. 731,417. 2 Claims. (Cl. 229—6.)



2. As a new article of manufacture, a completely collapsible two-part box, comprising a folding inner box member having four sides, a top, and a bottom, attaching slits being formed in the bottom, and a folding outer retaining member having the inner box member bottom directly resting thereon and covering only the top, bottom and one side of the inner box member, said outer member being provided with tongues for engagement with said slits.

1,566,042. SAFETY TREAD. FRANK A. SCHMIDT, Los Angeles, Calif. Filed Dec. 17, 1924. Serial No. 756,562. 6 Claims. (Cl. 72—96.)

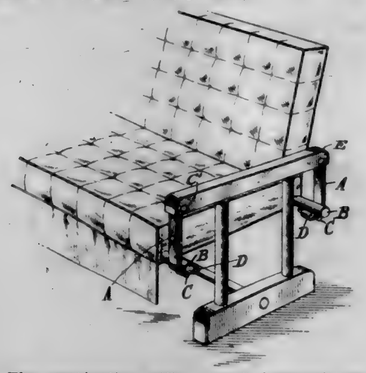


1. A stair tread structure as set forth, comprising a plate having a nosing terminating in substantially a vertical downwardly extended wall which defines the depth of a trend insert, and guide means on said plate and co-operating with said wall to gauge the level of the cementitious filling in which the structure is to be embedded.

1,566,043. PRESSING-IRON SUPPORT. EDWARD N. SIMMONS, Chicago, Ill. Filed May 8, 1924. Serial No. 710,716. 1 Claim. (Cl. 68—9.)

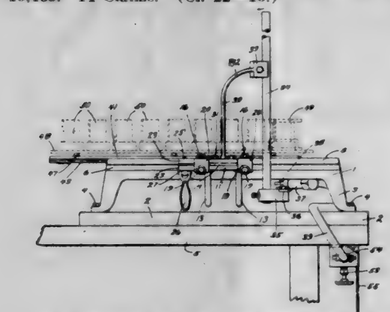
In an ironing machine, a vertical standard, a support revolubly mounted on said standard, a hanger carrying a pair of oppositely spaced grooved rollers engaging said support, said hanger consisting of a pair of parallel spaced strips united at their lower ends by a transverse member, a guide within said strips, said guide and transverse member having registering apertures, a reciprocable rod passing through said apertures, a collar on said rod, a spring between said collar and said transverse member, and means on the end of said rod for supporting a sadiron.

1,566,044. COUCH HAMMOCK. GEORGE F. SISBOWER, Flushing, and LOUIS E. PITTONI, New York, N. Y., assignors to Manhattan-Rome Company, Branch of Rome Metallic Bedstead Co., Long Island City, N. Y., a Corporation of New York. Filed Dec. 22, 1921. Serial No. 524,258. 5 Claims. (Cl. 5—129.)



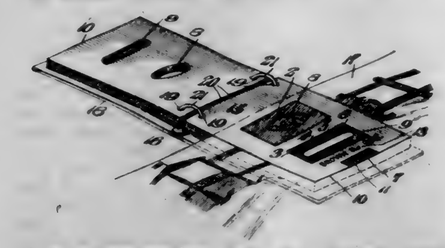
1. The combination with a couch hammock seat provided with a rigidly disposed member located at a fixed point, of an elastic flexible supporting link having a looped end secured to said member with both sides of the loop wrapped over said member on the same side thereof.

1,566,045. CORE-MAKING MACHINE. OLOF SKEPPSTEDT, Moline, Ill. Filed Mar. 30, 1925. Serial No. 19,469. 14 Claims. (Cl. 22—10.)



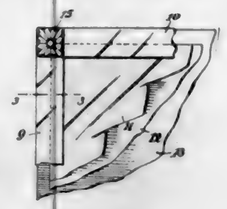
1. In a machine of the class described, a suitably mounted frame; and a carriage slidable thereon, and provided with yieldable members on its upper face for the support of a core-plate.

1,566,046. COLOR-MATCHING DEVICE. ROLAND E. SLEIGHT, Philadelphia, Pa. Filed May 13 1925. Serial No. 29,893. 6 Claims. (Cl. 88—14.)



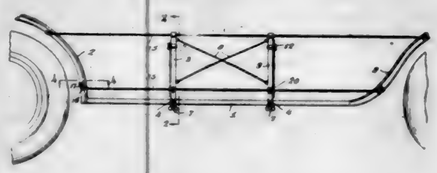
1. In a color matching device of a character stated, a sheet having on one portion thereof a "solid" color, and on another portion thereof a series of "intermediate" shades of said solid color, adapted for comparison with a given colored surface of a desired shade of ink printed from a plate of less than full strength, an edge of said sheet having a colored index area thereon.

1,566,047. TRAY STRUCTURE. MORRIS B. SOLOMON, Brooklyn, N. Y. Filed June 11, 1924. Serial No. 719,276. 2 Claims. (Cl. 65—53.)



1. A tray structure comprising a frame consisting of members adapted to be arranged in angular relation to each other with the ends of one abutting the sides of the other adjacent to its end and each having a rabbet in its inner face provided with an undercut wall, a sheet metal covering for each of said frame members having an angularly disposed flange at one edge engaged upon said undercut wall of the rabbet, the metal covering sheet of one frame member having an end portion extending longitudinally beyond the end of the frame member for engagement in an overlapping relation with a part of the metal covering sheet of the adjacent angularly extending frame member, a tray bottom having its marginal edges engaged in said rabbets and seated upon the flanges on said metal covering sheets, a retaining plate for said tray bottom engaged upon the lower edges of the frame members, and means for securing said covering sheets and the retaining plate to the frame members.

1,566,048. LUGGAGE GUARD. RUDOLPH C. G. STAATS-OELS, Brooklyn, N. Y. Filed July 11, 1924. Serial No. 725,410. 2 Claims. (Cl. 224—29.)



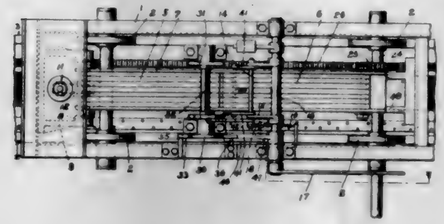
1. A luggage guard including standards, means to which said standards are pivotally connected capable of attachment to the running board of a vehicle to permit said standards to be swung to a position on top of said board, pivots carried by said standards, braces each having a longitudinal slot adjacent one end for receiving one of said pivots to permit of said brace being adjusted to a diagonal position relative to its associated standard with its free end in engagement with said running board adjacent the inner edge thereof, and also permit of said brace being moved to an inoperative position substantially parallel to said standard, and means for securing said brace in its adjusted positions.

1,566,049. SPACING MACHINE. GEORGE P. THOMAS, Glenshaw, Pa. Filed Mar. 6, 1924. Serial No. 697,298. 15 Claims. (Cl. 164—117.)

1. In a spacing machine for perforating metal, the combination of a work carriage, and stopping mechanism



therefor comprising a series of stops, a movable stop-engager, and means for causing the stop-engager to



move into engagement with a stop in proportion to the rate of movement of the carriage.

1,566,050. NEUTRALIZING SET. EDGAR D. TILLYER and HARRY W. HILL, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Dec. 27, 1921. Serial No. 524,999. 2 Claims. (Cl. 88—56.)

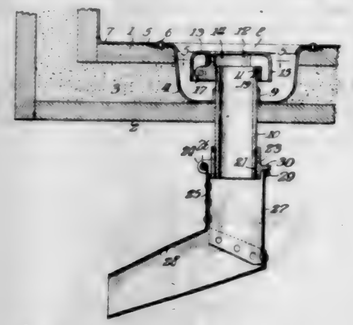
2. A device of the character described comprising a test lens determined for neutralization at a desired separation from a lens to be tested and a member projecting from the test lens adapted to engage the lens to be tested whereby the two lenses are held at the required separation.

1,566,051. PROCESS OF MAKING LENSES. HARRY W. HILL and EDGAR D. TILLYER, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Aug. 2, 1922. Serial No. 579,192. 3 Claims. (Cl. 51—278.)

1. A process of the class described including the drilling of spaced recesses in one face of a lens blank and then grinding the lenses to remove the surface of the same to the inner ends of the recesses.

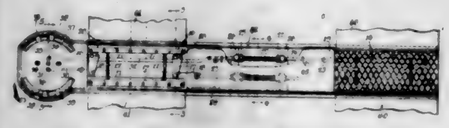
1,566,052. TRAP AND DRAIN. LOTHAR VON DANOWSKI, Chicago, Ill. Filed Feb. 27, 1924. Serial No. 695,409. 5 Claims. (Cl. 182—8.)

1. In a refrigerator drain, the combination of a bowl having a central bottom opening with an upturned flange, a drain pipe extending upwardly through the bottom of the bowl and anchored to the flange, a cap having an annular flange extending downwardly in the bowl around and spaced from the upper end of the pipe, and an annular collar secured around the upper end of the pipe with its lower edge spaced from the bottom of the bowl and having the cap hinged thereto, said collar being provided with spaced lugs at its upper end with intermediate openings for holding the cap at an elevation



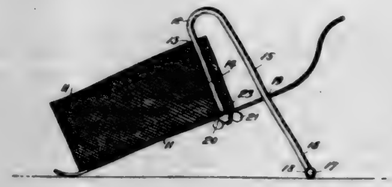
above the upper end of the pipe to afford a circulation space between the upper end of the pipe and the top wall of the cap.

1,566,053. BRAKE-TESTING APPLIANCE. IRA A. WEAVER, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed May 16, 1925. Serial No. 30,706. 10 Claims. (Cl. 73—51.)



1. In a brake testing appliance for vehicles, the combination of a plate adapted to be overrun by a wheel and shifted by the drag of said wheel thereon, an indicator, connections from said plate to said indicator transmitting movement of the former to the latter, and a spring opposing the wheel-actuated movement of said plate.

1,566,054. STAND FOR PAD CALENDARS. FRANK A. WEEKS, Plainfield, N. J. Filed Aug. 21, 1923. Serial No. 658,482. 2 Claims. (Cl. 40—120.)



2. A stand for pad-calendars having holes punched through them near one end, said stand comprising an inclined supporting base adapted at its forward end to rest upon a desk or the like and in its rear portion being formed with parallel transverse slots, a pair of parallel wire loops of inverted U-shape on which the slips of the pad are strung and which permit the slips to be turned over from the front to the rear members thereof, said front and rear members being inserted through said slots respectively and being adjustable therein to vary the space between them to accord with the spacing between the holes in the pad, and means

for detachably securing the lower ends of the front members to said base, said rear members being extended downwardly below the base to form supporting legs and at their lower ends being bent toward each other to form spaced-apart arms and having a tubular member bridging the space between said arms.

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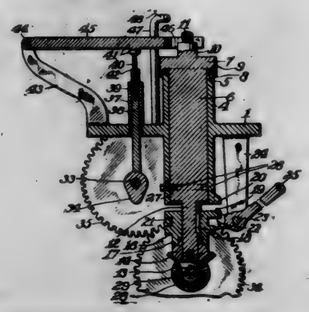
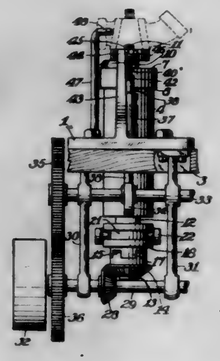
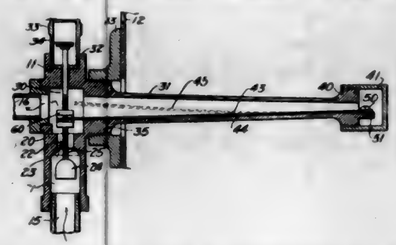
1,566,055. VALVE-GRINDING MACHINE. HARRY C. WENGEL, Birmingham, and JOHN B. MICHAEL, Selma, Ala. Filed Dec. 31, 1924. Serial No. 759,165. 4 Claims. (Cl. 51—28.)





1. A valve-grinding machine unit comprising a hollow cylindrical housing vertically arranged and having a horizontal frame plate rigidly connected thereto for support, the frame plate being provided with frame members, a spindle rotatably mounted in the housing and having a device on its top to rotatably carry a plug-valve, the spindle having a shaft portion on its lower end that projects beyond the housing, a bevel pinion rotatably connected with said shaft portion and having clutch members thereon, a clutch sleeve slidably splined on said shaft portion between the housing and said pinion to engage said clutch members, means to control the sleeve, a drive shaft rotatably supported by the frame members and extending under said pinion, a bevel drive wheel secured to the drive shaft in mesh with said pinion, a tripper shaft rotatably supported in the frame members and geared to the drive shaft, a cam secured to the tripper shaft, a frame arm and a vertical guide supported by said frame plate, a tripper rod arranged in said guide to be operated by said cam, and a forked tripper arm pivoted to said frame arm and engaged by said tripper rod to intermittently lift a valve body from contact with the plug-valve.

1,566,056. ADJUSTABLE THERMOSTAT VALVE. WILLIAM WESTERFIELD, Pasadena, Calif. Filed May 31, 1921. Serial No. 473,620. 8 Claims. (Cl. 236—33.)



1. In a thermostat valve, the combination of: a body providing a passage; a hollow arm extending from said body; a throat forming a valve seat in said passage; a closure means receivable by said seat; a threaded stem to support said closure means; a thermostat in said hollow arm; a nut threaded upon said stem, said nut receiving the movable end of said thermostat; and means whereby said stem may be turned in said nut to adjust said closure means, and a cap to enclose the projecting end of said stem to prevent leakage therearound.

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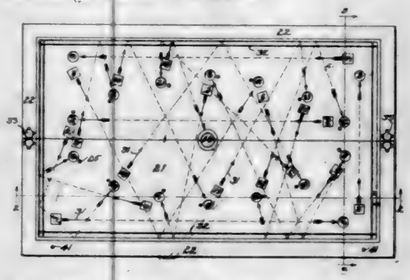
1,566,057. TABLE GAME. EDWIN F. WILKINSON, Los Angeles, Calif. Filed Oct. 21, 1924. Serial No. 744,889. 16 Claims. (Cl. 273—87.)



1. In a game suitable to be played on a surface of the billiard table type and by means of slidable discs manipulable by cues; a substantially flat field provided with starting greens consecutively designated and with holes similarly designated, and with hazards in the form of pins comprising cushions secured by screws in proximity to some of said holes.

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1,566,058. NOZZLE FOR FILTERS. JAMES E. WILLIAMSON, South Orange, N. J. Filed July 28, 1925. Serial No. 46,532. 2 Claims. (Cl. 210—171.)

1. A nozzle for filters comprising a stem having inlet and outlet openings, a cup-like member surrounding and supported by the stem, the member having a series of narrow slits extending around its sides, and a cover detachably secured on the top of the stem and extending beyond the cup-like member, the outlet of the stem being situated so as to deliver fluid in the space between the cup-like member and the cover.



1,566,059. TROLLING SPOON. FREDERIC S. WILLSON, Seattle, Wash. Filed Dec. 10, 1924. Serial No. 755,045. 8 Claims. (Cl. 43—45.)

1. A trolling spoon twisted about a longitudinal axis, and having a rear portion at one side of said axis following the general twist of the spoon, the rear portion at the opposite side of the axis being reversely bent to modify the action of the twisted portion upon the water.

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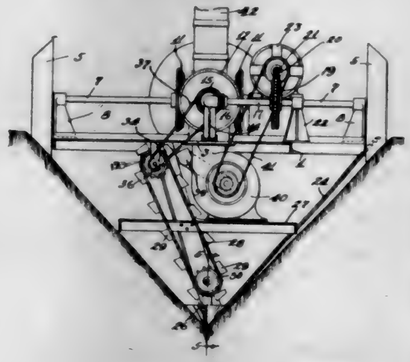
1,566,060. EARTH DRILLING OR EXCAVATING MACHINE. GEORGE S. WRIGHT, Ulysses, Kans. Filed Aug. 28, 1922. Serial No. 584,638. 10 Claims. (Cl. 262—7.)



1. In a machine of the class described, a rotary support, converging earth cutting elements secured to said support and extending from the extremities of said support to its center, conveying and exhausting mechanism rotatable with said support and means carried entirely by said support for rotating the same and simultaneously operating said conveying and exhausting mechanism.

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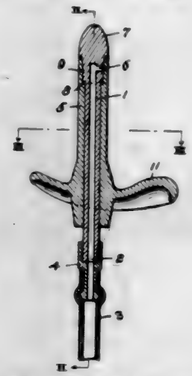
1,566,061. IRRIGATOR. CHARLES E. ZIEGLER, Pittsburgh, Pa., assignor of one-half to William C. Arthur, Pittsburgh, Pa. Filed Feb. 27, 1925. Serial No. 11,988. 3 Claims. (Cl. 128—245.)

1. An irrigator for the purpose described, comprising a nozzle formed of a sleeve closed throughout its longitudinal extent and open at its ends, and a tubular stem mounted for longitudinal movement with relation to said sleeve and provided at its outer end with an inlet opening and having its side walls provided with an outlet port, the inner end of said stem being closed and being



provided beyond said outlet port with an offset valve head cooperating with the inner end of said sleeve to control flow of irrigating fluid through the nozzle.

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1,566,062. FLEXIBLE HANDLE FOR CONTAINERS. EDWARD M. ATKINSON, Portland, Oreg. Filed Feb. 18, 1925. Serial No. 10,053. 2 Claims. (Cl. 215—100.)

1. A flexible handle for containers and made of two pieces of small size iron wire, one about three-quarters the length of the other and terminating in coils, which wire is encircled at a depression midway of the coiled ends by the coiled end of the longer wire, which also has a second coil, but formed distant enough from its tip to allow this wire end to pass through it after going through coils at the ends of the shorter wire, and drawn taut so as to have about the shape of an equilateral triangle.

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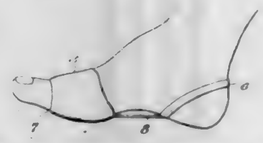
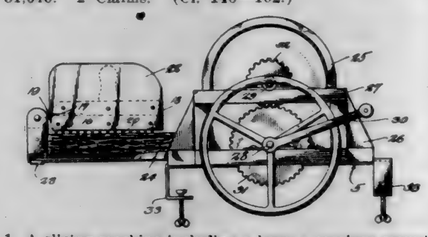
1,566,063. FOOT CORRECTOR. WALTER M. BARRY, New York, N. Y. Filed Nov. 10, 1922. Serial No. 600,063. 1 Claim. (Cl. 128—80.)



In a foot corrector device, a flexible loop adapted to embrace the front part of the foot and extend around the ball of the same and back part of the foot adjacent to the toes, a second loop adapted to embrace the heel of the foot and extending diagonally across the sides of the

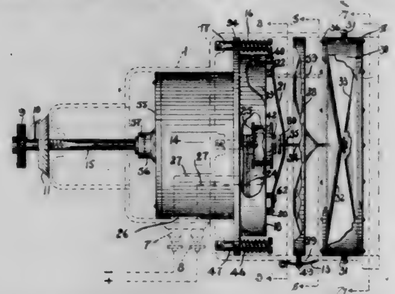
heel, an elastic web member connected with the first mentioned loop and the terminals of the second mentioned loop adapted to bridge the space below the arch of the foot.

1,566,064. BACON SLICER. ALBERT C. BASSE, San Antonio, Tex. Filed May 18, 1925. Serial No. 31,040. 2 Claims. (Cl. 146—102.)



1. A slicing machine including a base, a carriage mounted for sliding movement on the base, a rotary knife operating adjacent to one edge of the carriage, a trough disposed adjacent to the knife and adapted to receive material cut by the knife, and a laterally extended finger operating adjacent to the trough for moving material through the trough.

1,566,065. LOUD-SPEAKING RECEIVER. WILLIAM J. BEACH, Toronto, Ontario, Canada. Filed Mar. 30, 1925. Serial No. 19,299. 9 Claims. (Cl. 179—108.)

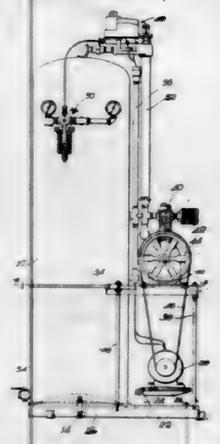


1. In a loud speaking receiver, an electro-magnetic system, an armature operated thereby, a diaphragm operated by said armature, a sound deflector disposed between said electro-magnetic system and said diaphragm, and sound ports near the outer periphery of said diaphragm to permit egress of sound reflected from said sound deflector.

1,566,066. PROCESS FOR DYEING FUR AND PRODUCT THEREOF. HAROLD M. BECHER, Brooklyn, N. Y. Filed Aug. 10, 1925. Serial No. 49,202. 7 Claims. (Cl. 41—29.)

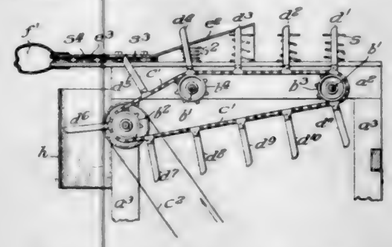
1. A process whereby a dressed or tanned straight-haired pelt may be dyed to imitate a pelt of a fur-bearing animal which has, in its natural state, a stripe or grotzen running down the center of the back and a color tone shading off to a lighter color, or to white, on the balance of the skin, comprising placing a plurality of stencils on the pelt to be treated in sequence and applying the desired dye to the skin through the openings in the stencils, the openings in the succeeding stencils decreasing in size.

1,566,067. COMPRESSOR UNIT. LAURENCE J. BERKELEY, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 17, 1923. Serial No. 625,734. 10 Claims. (Cl. 230—27.)



1. In combination, an elongated storage receptacle supported on end, a base for supporting the receptacle and having means of connection therewith, a horizontal support having mounting means embracing the receptacle spaced above the bottom thereof, a pump mounted on said support for filling said receptacle and a prime mover mounted on the base beneath the support for driving the pump.

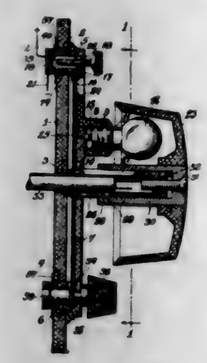
1,566,068. APPARATUS FOR COMPRESSING AND ASSEMBLING COIL SPRINGS. LESLIE R. BRUNDAGE, Chicago, Ill. Filed Dec. 5, 1924. Serial No. 754,159. 4 Claims. (Cl. 226—18.)



1. An apparatus of the character described comprising a plurality of pegs for carrying the coil springs, a conveyor on which the pegs are mounted, a supporting member, means for driving the conveyor, an inclined guide for compressing the spring coils while same are being moved forward on the pegs, a spout into which the compressed coils are forced for feeding into the spring containing pockets, and the conveyor so arranged in the line of travel that the pegs carried thereby are withdrawn after the spring coils are compressed and passed into the spout.

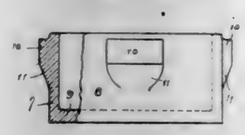


1,566,069. ILLUMINATED DIAL. WILLIAM C. BUCHHOLZ and FRANK BUCHHOLZ, Brooklyn, N. Y. Filed May 19, 1925. Serial No. 31,368. 5 Claims. (Cl. 240—2.)



1. An illuminated dial, comprising a plate, means for mounting the plate, a rotatable disk formed with graduations acting as a dial member, said plate being formed with a window for exposing to view part of said plate and the graduations thereon, a lamp carried by said plate for illuminating said window and the surrounding parts, and a knob extending through said plate carrying said disk, said knob being substantially hollow and open on one face, the knob being so positioned as to act as a hood for said lamp.

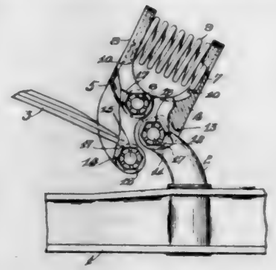
1,566,070. SAGGER. LORENZO C. BUCKLEY, Lisbon, Ohio, assignor to The R. Thomas & Sons Company, East Liverpool, Ohio, a Corporation of Ohio. Filed Mar. 27, 1925. Serial No. 18,891. 3 Claims. (Cl. 25—153.)



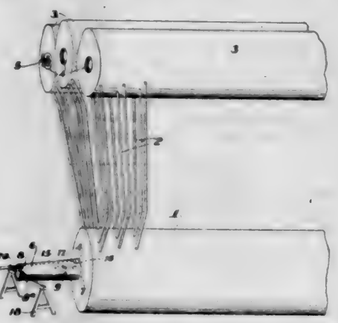
1. A one-piece sagger having circumferentially-extending integral bosses spaced at intervals around the side walls of the sagger, and having a vertical extent substantially less than the depth of the sagger, said bosses serving as spacers between the saggers of adjacent bungs to insure both vertical and horizontal circulation channels for kiln gases during firing.

1,566,071. FLEXIBLE SHACKLE. CHARLES E. BURNETT, Canandaigua, N. Y.; The Citizens Banking and Trust Co., administrator of said Charles E. Burnett, deceased, assignor of one-half to George C. Saylor and one-half to Charles B. O'Brien, both of Conneaut, Ohio. Filed June 22, 1922. Serial No. 570,214. 10 Claims. (Cl. 267—17.)

1. In a device of the character described, the combination with two relatively movable members one of which is a vehicle body spring, of a balanced flexible shackle formed of two upwardly extending levers having a common fulcrum intermediate their ends, the inner arms of said levers being pivotally connected one with one member and one with the other member, a compression spring engaging between the outer arms of said levers, both arms at all times being independent of direct bearing against either of said members, and a stop on one lever adapted on the rebound of the body spring to engage the member to which such lever is pivoted.

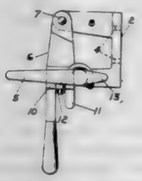


1,566,072. BOILER-COOLING DEVICE. ALBERT L. CALLOUGH, Tuscumbia, Ala. Filed Jan. 3, 1925. Serial No. 437. 3 Claims. (Cl. 122—4.)



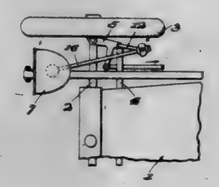
1. A device for cooling steam boilers, comprising a tubular flue open at each end, and adapted to have one end partially inserted into the open man-hole of a steam drum, a fluid pressure pipe extending from a source of supply into the open, outer end of said flue, and having a return bend at the inner end of the flue terminating in an outwardly directed nozzle located in alinement with the longitudinal axis of said flue.

1,566,073. CLAMP. WILLIAM F. CONKLIN, Tarentum, Pa. Filed June 5, 1924. Serial No. 718,005. 4 Claims. (Cl. 24—132.)



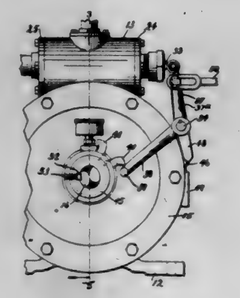
1. A clamp comprising a base provided with a pair of outwardly diverging horns, a movable wedge member between the horns, and guiding devices for maintaining the article to be clamped between the horns and the wedge member.

1,566,074. OPERATING MECHANISM FOR DIRIGIBLE HEADLIGHTS. GUSTAVE COOK, Gillett, Wis. Filed June 15, 1925. Serial No. 37,288. 2 Claims. (Cl. 240—62.)



1. Operating mechanism adapted to swing dirigible headlights from the swinging arms of the steering gear of automobiles and comprising an inclined rod, a ball and socket joint between the rear end of the rod and a swinging arm of the steering gear, said headlight having a vertical shaft, and means for transmitting the horizontal swinging movement of the rod to the shaft while absorbing the up and down and back and forth movement and comprising a casing having a socket and a vertical slot, a ball fixed on the forward end of the rod and fitted in the socket, the rod having a squared portion fitted in the slot, a pivot arm fixed to the casing and having a transverse bearing at its upper end, a yoke fixed to the shaft of the head light and a horizontal pivot bolt between the arms of the yoke and the bearing.

1,566,075. STEAM ENGINE. WALTER H. COTTON, Chicago, Ill., assignor to Locomotive Stoker Company, a Corporation of Pennsylvania. Filed Apr. 16, 1920. Serial No. 374,445. 3 Claims. (Cl. 121—99.)



3. In a fluid-driven motor, the combination of a cylinder, an oscillating piston therein, a valve for directing the driving fluid alternately to opposite sides of the piston, a movable element for shifting the valve, an oscillating shaft actuated by the piston, a pair of rings circumferentially adjustable upon the shaft, a tappet carried by each ring for moving the valve-shifting element, and means for securing the rings in adjusted positions.

1,566,076. EYELET. WILLIAM H. CUSTER, Toronto, Ohio. Filed Dec. 26, 1924. Serial No. 758,238. 3 Claims. (Cl. 24—202.)

1. An eyelet comprising a base plate having a centrally located opening therein, prongs extending around the outer edges of the plate, a clamping plate having a central and spaced openings therein to receive the prongs whereby the latter may be bent downward upon the outer face of the clamping plate and a flange extending around the central opening of one plate and entering the central opening of the other plate.

1,566,077. CARTON. BRUCE J. DAVIDSON, Marseilles, Ill., assignor to National Biscuit Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 14, 1921. Serial No. 461,311. 3 Claims. (Cl. 229—5.5.)

1. A tubular carton, comprising an outer wall, a liner having its end edges terminating short of the adjacent ends of said outer wall, inwardly extending flaps at the ends of said liner, heads applied against said flaps for closing the ends of the carton, and means for holding said heads against said flaps, the latter being long enough to project beyond the ends of said outer wall to facilitate grasping when setting up the carton.

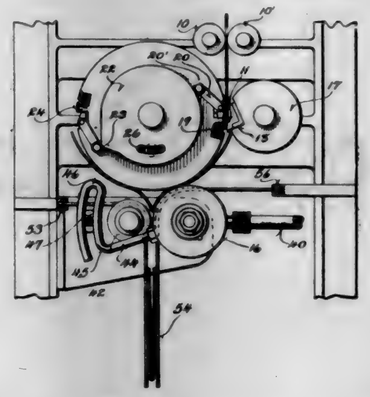
1,566,078. REFINING LEAD. PHILIP W. DAVIS, Cambridge, Mass. Filed May 14, 1925. Serial No. 30,854. 6 Claims. (Cl. 75—15.)

1. The method of refining lead which consists in exposing lead alloys in molten condition to the action of molten litharge by causing the two materials to be exposed to each other in bodies of small dimensions.

1,566,079. ROTARY SHEET FOLDER. PETER J. CHRISTMAN, Jr., and JAMES DE LOYE, Green Bay, Wis., assignors, by direct and mesne assignments, to Paper Converting Machine Company, Green Bay, Wis., a Corporation. Filed Nov. 9, 1922. Serial No. 599,823. 4 Claims. (Cl. 270—69.)

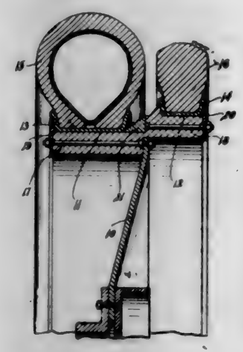
1. In a device of the class described, the combination of a carrier cylinder, means cooperating therewith for cutting a web of paper into sheets, a suction roll for drawing said sheets from the carrier roll, said carrier





cylinder and said suction roll receiving the paper between them, and a folding roll cooperating with said suction roll to fold said sheets.

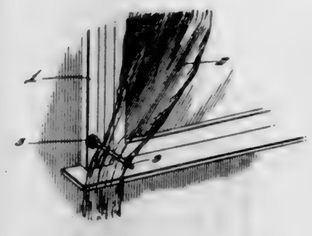
1,566,080. WHEEL. WESLEY A. DILLARD, Pine Bluff, Ark. Filed June 26, 1925. Serial No. 39,817. 1 Claim. (Cl. 30—39.)



In a wheel, a felly having spaced tire receiving channels therein, said channels being of different widths, an automobile rim for each channel, means including circumferentially spaced bolts for removably securing the rims in place, a transversely wedge shaped annular member located within one of the channels and bearing against the inner ends of the spaced bolts of the other channel and providing an inclined side wall for the first mentioned channel and a tire mounted upon each rim.

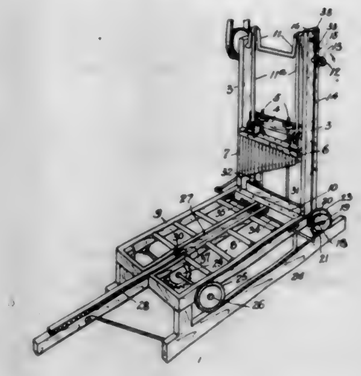
1,566,081. CURTAIN HOLDER. GEORGE W. DOVER, Longmeadow, R. I., assignor of one-half to John Montgomery, Woonsocket, R. I. Filed July 14, 1924. Serial No. 725,895. 8 Claims. (Cl. 156—33.)

4. In a curtain holder, a base member, a pair of resilient opposed arms extending outwardly from said base member adapted to resiliently engage a member interposed therebetween, an elongated member having a portion thereof located between said resilient arms and pivotally supported thereby the portions of said resilient arms engaging said elongated member being shaped



to fit closely against the sides of said elongated member to form a channel for said member whereby the elongated member is resiliently held against movement.

1,566,082. MACHINE FOR CUTTING METAL STRIPS. WILLIAM FRANCIS DUGINS, Melbourne, Victoria, Australia. Filed Feb. 27, 1924. Serial No. 695,545. 4 Claims. (Cl. 164—50.)

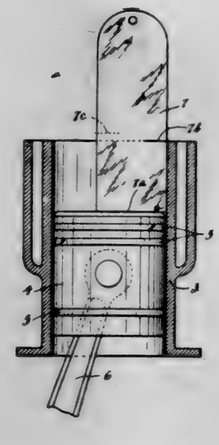


1. In a machine for cutting metal sheets into strips, a corrugated shear, means for reciprocating the same, a fixed shear plate on the machine table, and a gauge plate pivotally mounted in the machine frame at one end and hung on the shear frame at the other.

1,566,083. ENGINE-VALVE-SEATING GAUGE. HARRY E. FORSLUND, Minneapolis, Minn. Filed Jan. 5, 1925. Serial No. 551. 1 Claim. (Cl. 33—180.)

A device for determining the setting of the intake and exhaust valves of an internal combustion engine, comprising a member adapted to be placed in a cylinder of said engine and having a straight bottom portion adapted to engage the top of the piston, said member having straight comparatively long side portions extending at right angles to said bottom portion and respectively having at each side shoulder portions extending at right angles to said side portions, said shoulder portions being disposed at different distances from said bottom portion, said shoulders being adapted to engage the top of the cylinder block when the said bottom portion is in engage-

ment with the top of the piston for respectively determining the closing position of the intake valve and the opening position of the exhaust valve, and the portions



of said side portions at each side of said shoulders being respectively adapted to engage the top of the cylinder and the top of the piston when the intake and exhaust valves are respectively in opening and closing positions.

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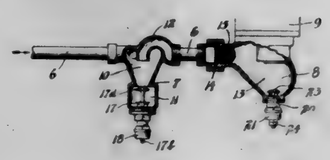
1,566,084. AIR-BRAKE DRAIN DEVICE. DANIEL H. GARDNER and GEORGE BAKER, Minneapolis, Minn. Filed Oct. 6, 1924. Serial No. 741,858. 2 Claims. (Cl. 303—88.)



1. The combination with a chamber adapted to receive air under pressure, said chamber having an opening in its bottom, a casing secured in said opening having a passage therethrough with a valve seat formed therein, a valve disposed above said casing having a stem passing through said passage, an open bottom member threaded on the bottom of said casing through which said stem projects, a spring surrounding said stem between said last mentioned member and valve, and means limiting the upward movement of said valve whereby the tension of said spring can be varied.

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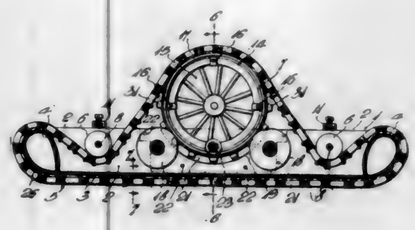
1,566,085. RUNNER ATTACHMENT FOR AUTOMOBILES. FRANK GENUDREAU, Newport, Wash., assignor to Genudreau and Thompson, a Firm or Partnership composed of Frank Genudreau and Charles Carrol Thompson, Newport, Wash. Filed Mar. 17, 1924. Serial No. 699,931. 7 Claims. (Cl. 305—3.)

4. An attachment for an automobile, comprising a runner, a laterally flanged rim applicable to an automobile wheel felly in place of the usual demountable rim, said rim being disposed over said runner, and rollers



mounted on said runner and co-operating with the lateral flanges of said rim to rotatably mount the latter and hold said rim and runner in fixed relation.

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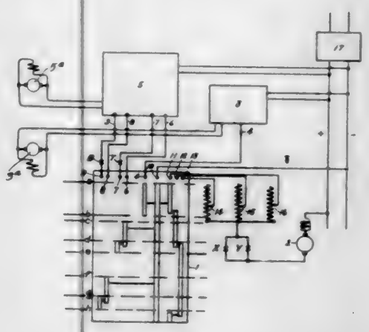
1,566,086. ELECTRIC-MOTOR-CONTROL SYSTEM. RALPH DAVID GIVEN, Leamington, and HUGH WILLIAM CONWAY LIDDIARD, Rugby, England, assignors to General Electric Company, a Corporation of New York. Filed Sept. 5, 1923. Serial No. 661,006. 3 Claims. (Cl. 172—240.)



1. An electric control system for a predetermined cycle of operations, comprising a plurality of separate operating motors, a master controller for the said motors, a pilot motor for operating the said controller, a plurality of limit switches for governing the said pilot motor and said operating motors depending on the operation of a portion of the operating motors, and electrical connections between the said motors and said controller through which the said motors are selectively controlled by the said controller and said limit switches to effect automatic repetition of a predetermined cycle of operations by operation of the said portion of the operating motors on a space basis and operation of another portion of the operating motors on a time basis.

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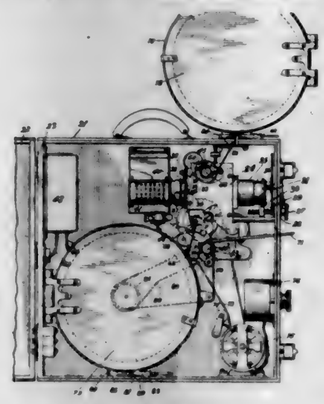
1,566,087. MOTION-PICTURE MACHINE. ANDREW GORRETTA, Cleveland, Ohio, assignor to The Worldseye Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 7, 1923. Serial No. 637,112. 12 Claims. (Cl. 88—17.)

1. In a portable motion picture machine, a case for said machine, a pair of reel supports, means adapted to mount said supports on said case with said reels in side by side relation and to permit lateral movement of one of said supports while retaining it mounted, means adapted to mount the other of said supports on said case in a second position, and means for operating the reel



carried by said one support operatively connected to said reel in the various lateral positions of said one support.

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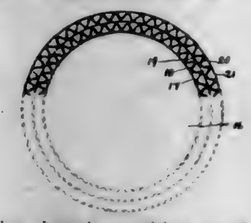
1,566,088. DUST-CLEANING ELEMENT. OSCAR V. GREENE, Cleveland, Ohio. Filed Jan. 26, 1924. Serial No. 688,715. 22 Claims. (Cl. 183—51.)



1. A cleaning element comprising spaced foraminous collecting sheets, and other foraminous sheets arranged in consecutive open folds interposed in immediate sequence between said first-named sheets, the adjacent sides of said folded sheets being disposed at approximately sixty degrees to each other.

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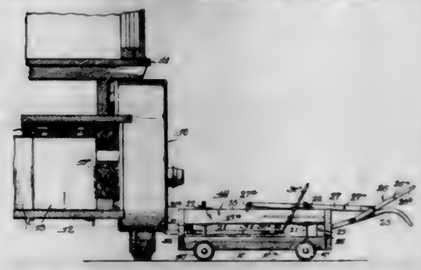
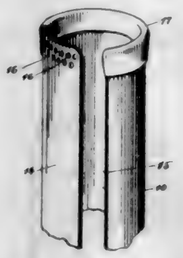
1,566,089. DEVICE FOR PULLING OUT BATTERIES. EDWARD HARDING, Chicago, Ill. Filed May 2, 1925. Serial No. 27,447. 17 Claims. (Cl. 104—34.)



1. Apparatus of the class described comprising a body, rollers carried thereby, said body being provided with slots in the lower portion thereof, wheels upon which said apparatus is mounted, said wheels having axles passing into said slots, and means co-acting with said axles for adjusting said body with reference to said axles.



1,566,090. TUBE-SPLICING DEVICE. RAY W. HARTY, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 11, 1920. Serial No. 429,905. 3 Claims. (Cl. 18—45.)



1. A sleeve for splicing tubes comprising a metallic body member of generally cylindrical form with a longitudinal cut through one side thereof and an end member of soft rubber secured to said body member.

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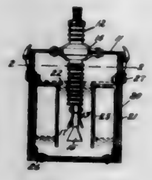
1,566,091. ELECTRICAL APPARATUS. JOHN D. HILLIARD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 5, 1922. Serial No. 565,937. 4 Claims. (Cl. 200—150.)



4. An attachment for an electric switch of the fluid break type for increasing the circuit interrupting capacity of the switch comprising an open vessel adapted to be immersed in an inverted position in the fluid of of the switch, and means for securing it to the side of the switch tank.

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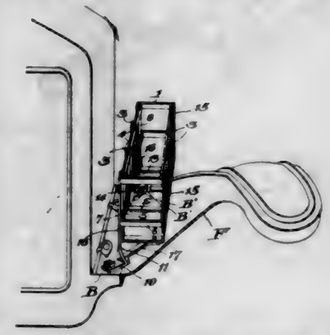
1,566,092. LUGGAGE CARRIER FOR AUTOMOBILES. ALBERT R. HYATT, Beresford, S. Dak. Filed Aug. 7, 1924. Serial No. 730,616. 4 Claims. (Cl. 224—29.)



4. An automobile luggage carrier including a body formed to be disposed in the space between a side of the hood and the adjacent fender and having a bottom with the outer side of the latter formed to seat on the fender, supports connected to the body and projecting below

the bottom thereof to hold the inner side of the bottom, and means to secure the supports in position, said supports and the inner side of the body being disposed in such spaced relation to said side of the hood to permit the latter to be opened and closed without disturbing the carrier.

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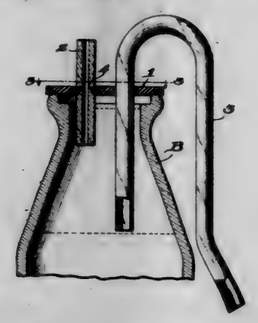
1,566,093. CREAM SEPARATOR. ROY S. INNES, Madison, S. Dak. Filed Dec. 16, 1924. Serial No. 756,227. 1 Claim. (Cl. 137—20.)



In a cream separator, a flexible disk formed for seating on the mouth of a bottle and having a pair of spaced openings therein, an inverted substantially J-shaped siphon tube removably and frictionally secured in one of the openings, and a combined air inlet tube and disk depressor formed independent of the siphon tube and being removably and frictionally secured in the other opening at a distance from the siphon tube and having a circular groove cut into its periphery into which the wall resultant from the said other opening extends whereby to resist axial movement of the air inlet tube relative to the disk, said air inlet tube being spaced from the siphon tube and having its upper end disposed in such relation to the siphon tube so as to permit the operator to seat his hand on the curved part of the siphon tube and to place a finger thereof on said upper end of the air inlet tube and by pressing down on the latter depress the disk.

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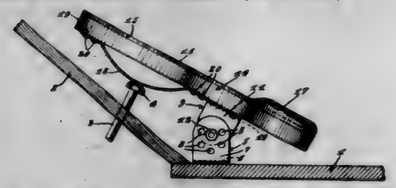
1,566,094. ACCELERATOR PEDAL. FREDERICK W. IVES, North Tonawanda, N. Y. Filed Sept. 1, 1925. Serial No. 53,932. 2 Claims. (Cl. 74—81.)



1. An automobile accelerator pedal of the character set forth, comprising a pedal body, means for pivotally supporting the same, and a flat resilient arcuate member extending longitudinally of the underside of said body and secured at the ends thereto and designed to have its face bear and move upon the head of an accelerator rod to actuate the same.

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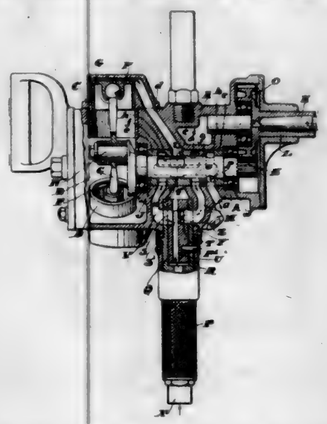
1,566,095. FLUID-ACTUATED ROTARY MACHINE. FRANCIS A. JIMERSON, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 9, 1925. Serial No. 29,061. 3 Claims. (Cl. 121—33.)

3. In a fluid actuated rotary machine, the combination of a case, a reversible fluid actuated motor having a plurality of radially arranged cylinders in said case, a longitudinally extending crank shaft connected to be driven by said motor, main and auxiliary exhaust ports in said case, a reversing throttle controlling the supply of pressure fluid and the said auxiliary exhaust of the machine, distribution passages in the case for the



cylinders, and ports and passages in the crank shaft cooperating with the main pressure fluid supply, the cylinder distribution ports, and the main and auxiliary exhaust ports, whereby pressure fluid is supplied to the cylinders and also exhausted therefrom through both the main and auxiliary exhaust ports.

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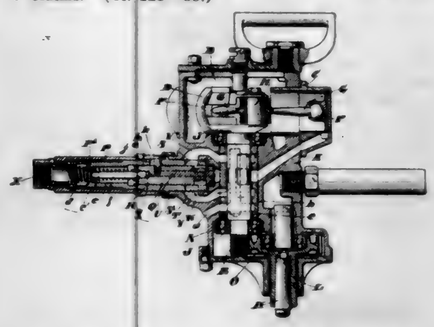
1,566,096. REVERSIBLE THROTTLE HANDLE. FRANCIS A. JIMERSON, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 12, 1925. Serial No. 29,683. 6 Claims. (Cl. 121—35.)



2. In a fluid actuated rotary tool, the combination of a case and motor, a handle body, a rotatable handle sleeve, a spring pressed throttle valve and a reversing valve in the handle body, operative connections between the sleeve and the reversing valve, and a cam for causing longitudinal movement of the reversing valve as it is rotated, and thereby actuating the throttle valve.

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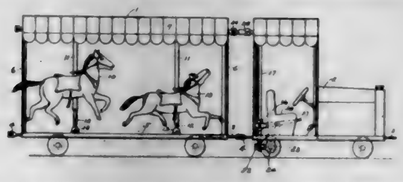
1,566,097. AMUSEMENT VEHICLE. ELLA V. JOHNSON, Whitehouse, Fla. Filed Mar. 26, 1925. Serial No. 18,394. 2 Claims. (Cl. 104—82.)

1. In amusement vehicles of the class described; an automotive vehicle; one or more passenger vehicles; means for coupling said passenger vehicles to each other and to the automotive vehicle; a plurality of movable passenger carrying elements mounted in said passenger vehicles; and means for actuating all of said passenger carrying elements in all of said passenger vehicles by



power transmitted from the automotive vehicle through a suitable transmission contained in and extending through all of said passenger vehicles.

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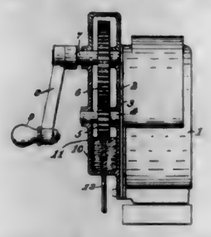
1,566,098. OIL-SALVAGE DEVICE. WILLIS H. JOHNSON, Waterloo, Iowa, assignor to Hawkeye-Dart Truck Company, Waterloo, Iowa. Filed Sept. 5, 1924. Serial No. 736,141. 1 Claim. (Cl. 103—202.)



The combination with a liquid container having a side wall bearing and a rotatable shaft projecting through said bearing, of an outer wall cup integral with the side wall and inclosing said bearing to a level thereabove, and a removable closure cap for said cup, and a conduit communicating with the cup below the level of the bearing to drain the contents of the cup at that level.

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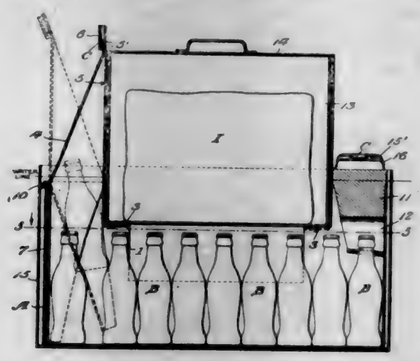
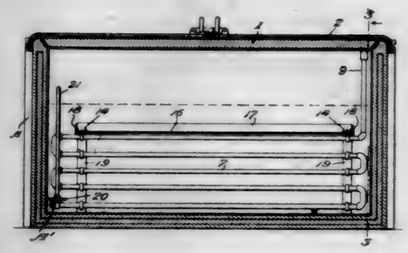
1,566,099. COOLER FOR BOTTLED GOODS. SAMUEL KAYE, Columbus, Miss. Filed May 25, 1922. Serial No. 563,527. 9 Claims. (Cl. 211—8.)



1. A cooler for bottled goods including a channel for containing a row of articles side by side in contact therein, and a movable filling chute for receiving articles and normally directing them into the channel, said chute being adapted to be moved out of normal position to engage an article in the channel to move the articles therein forward.

1,566,100. COOLING CHEST. SAMEL KAYE, Columbus, Miss. Filed Jan. 15, 1923. Serial No. 612,744. 4 Claims. (Cl. 62—75.)



2. A cooling-chest including a body and cover, the body adapted to be partly filled with water and ice, a tray for holding down the ice below the water level, and for maintaining the articles to be cooled partially submerged, ice-water coils arranged vertically at opposite sides of the chest and forming a support for the tray, and supports for the coils having inturned projections at their upper ends for holding the tray down when in position on the coils.

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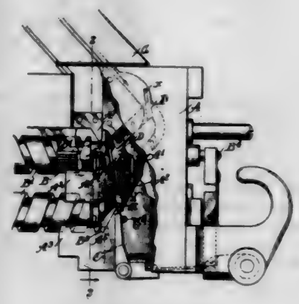
1,566,101. TYPOGRAPHICAL DISTRIBUTING MACHINE. DAVID S. KENNEDY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Feb. 2, 1925. Serial No. 6,171. 14 Claims. (Cl. 199—42.)



1. In a typographical distributing mechanism, comprising a distributor bar and a set of matrix conveying screws, the combination of a distributor box through which the matrices pass facewise by gravity, means for arresting the matrices at a forward inclination within the box, and means for releasing the arrested matrices one at a time to permit their escape by gravity into position to be picked up by the screws.

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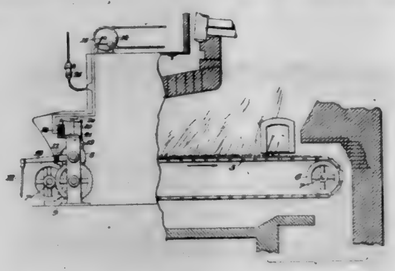
1,566,102. MECHANICAL-STOKER REGULATOR. CLAUDE G. KING and EARL TUBBS, Cedar Rapids, Iowa. Filed Jan. 12, 1923. Serial No. 612,196. 7 Claims. (Cl. 236—25.)

1. In combination with a chain-grate stoker for a steam-generating furnace having a limited back-lash.

means including a ratchet and pawl and actuating mechanism, to advance the grate, a detent pawl to prevent back-lash, a steam-flow meter having a movable member,



and means connecting the same operatively with the detent pawl to disengage it according to fluctuations in the steam flow.

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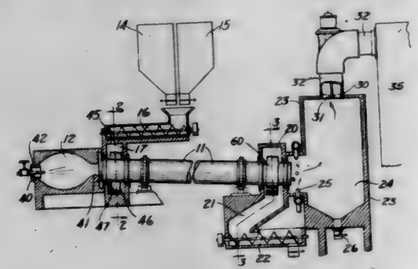
1,566,103. APPARATUS FOR PRODUCING ZINC OXIDE. MORRIS P. KIRK, Harbor City, Calif., assignor to Kirk Simon Smelting Co., Mina, Nev., a Corporation of Nevada. Filed Mar. 28, 1921. Serial No. 456,256. 4 Claims. (Cl. 266—18.)



1. An apparatus for producing zinc oxide from zinc compounds which comprises; an inclined rotary kiln; means for mixing the zinc compound with carbonaceous material and feeding it into the upper end of said kiln; means for passing hot reducing gases through said kiln in the same direction that said zinc compound travels; means for discharging solid material from the lower end of said kiln; a zinc combustion chamber into which the zinc fumes from said kiln are passed; means for passing air into said zinc combustion chamber; and means for withdrawing the zinc oxide fumes from said zinc combustion chamber.

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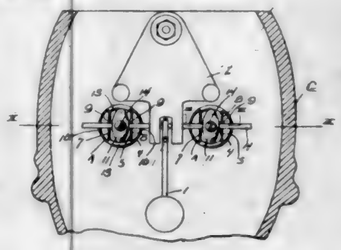
1,566,104. BELT BUCKLE. FRANK F. KNOTHE, Ridgewood, N. J. Filed May 9, 1924. Serial No. 711,990. 3 Claims. (Cl. 24—163.)

1. A belt buckle comprising a member having spaced sides, and webs located along said sides, said webs having recesses, a bar extending across the member and having its ends located in said recesses, said bar being provided with a projection extending laterally from the member and means for attaching the buckle to a belt.

1,566,105. ADJUSTABLE MOUNTING FOR ARTIFICIAL EYES. ALEXANDER KONOFF, New York, N. Y. Filed Mar. 19, 1924. Serial No. 700,371. 8 Claims. (Cl. 46—40.)



1. An adjustable mounting for a doll's eyeball comprising parts providing a plurality of separate pivots by which the eyeball is supported and upon which the eyeball is adjustable about the spherical center of the eyeball and about axes which are at an angle to each other, and manually operable means to hold the eyeball in any position to which it is adjusted about said pivots.

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1,566,106. HEEL PROTECTOR. LEONARD S. LAMB, Seattle, Wash. Filed June 22, 1925. Serial No. 38,706. 2 Claims. (Cl. 36—37.)

1. A heel protector, embodying a metal plate, and a pad of protective material secured at one point to said plate and arranged to be turned up to allow said plate to be tacked within the heel portion of a shoe.

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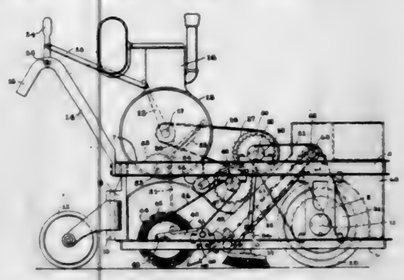
1,566,107. STREET-SWEEPING MECHANISM. ELBERT C. LEACH and EDGAR M. PLETT, Oshkosh, Wis., assignors to Oshkosh Manufacturing Co., Oshkosh, Wis., a Corporation of Wisconsin. Filed July 14, 1922. Serial No. 574,945. 2 Claims. (Cl. 15—84.)



1. An apparatus of the class described comprising upper and lower spaced frame members; guiding handles carried by said upper frame member; bearing blocks secured to and spacing said frame members at one end; a drive shaft carrying a driving wheel journalled in said blocks; an upright spacing member secured to and spacing said frame members at their other ends; caster wheels



carried by said upright member; a prime mover carried by said upper frame member; a countershaft journalled on said upper frame member; chain and sprocket driving connections between said prime mover and countershaft, and between said countershaft and driving shaft; a horizontal rotatable brush pivotally carried by said lower frame member; means including a lever and sector carried by said upper frame member and a connecting link, for raising and lowering said horizontal brush about its pivot; vertically mounted rotatable brushes disposed at the sides of said frame members, adapted to sweep refuse into the path of said horizontal brush; driving connections between said countershaft and said brushes; means carried by said upper frame member for maintaining the driving connections to said horizontal brush operative in all positions; a receptacle carried by the forward end of said frame members; and a conveyer arranged to receive refuse from said horizontal brush and to convey it to said receptacle.

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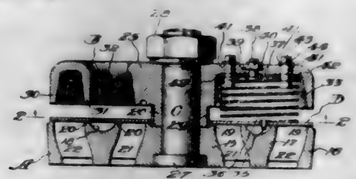
1,566,108. VALVE FOR COMPRESSORS. CHARLES H. LEINERT, Chicago, Ill., assignor to Leinert Valve Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1924. Serial No. 728,569. 11 Claims. (Cl. 251—119.)



10. In a valve of the kind described, the combination of a seat, a disk, a plurality of springs, and a stop plate, assembled in the order named, and means operable from the outer stop plate side adapted to shift the positions of the springs on the opposite side thereof, substantially as described.

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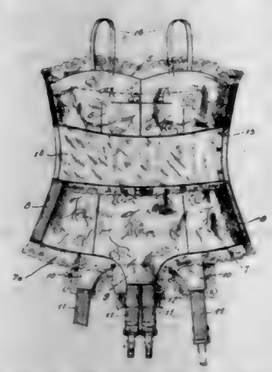
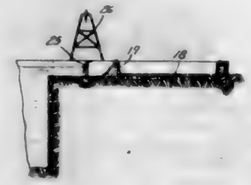
1,566,109. GARMENT. ELVIRA CAMPA MCKEEFREY, Brooklyn, N. Y., assignor to Model Brassiere Co., Inc., New York, N. Y., a Corporation of New York. Filed July 6, 1925. Serial No. 41,525. 2 Claims. (Cl. 2—30.)



1. A combination undergarment comprising an upper section constituting a bandeau, a lower section constituting a form-shaping girdle, an intermediate section of stretchable, flexible material interposed between and connected with the upper and lower sections and adapted to constitute an undervest, and a flap extending between the middle portion of the front and rear faces at the lower edge of the garment and adapted to extend between the legs of the wearer.



1,566,110. METHOD OF CONSTRUCTING OIL STORAGE. ELLIS MALLERY, Los Angeles, Calif. Filed May 9, 1923. Serial No. 637,701. 5 Claims. (Cl. 72—13.)



1. The method of covering a reservoir, which comprises: forming a buoyant cover in a dock outside said reservoir; and floating said cover into place in said reservoir.

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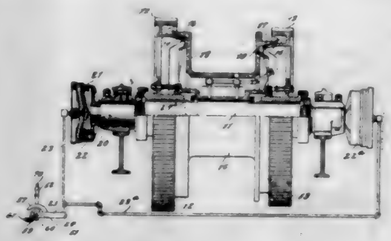
1,566,111. FLUID-PRESSURE-OPERATED DEVICE AND CONTROL THEREFOR. THOMAS SPENCER MILLER, South Orange, N. J. Filed Oct. 23, 1923. Serial No. 670,235. 10 Claims. (Cl. 303—6.)



1. In combination, two fluid pressure operated devices, a source of fluid under pressure, two valve members controlling the flow of fluid under pressure to the respective devices, and each constructed and arranged to maintain a predetermined pressure in the associated fluid pressure operating device, and a single means for simultaneously operating both of said valves.

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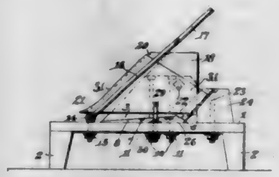
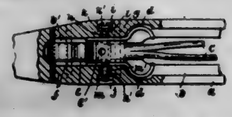
1,566,112. FORMING AND SHAPING MACHINE. JAMES HENRY NUNNEY, Headland, Ala. Filed May 26, 1925. Serial No. 32,965. 5 Claims. (Cl. 153—15.)



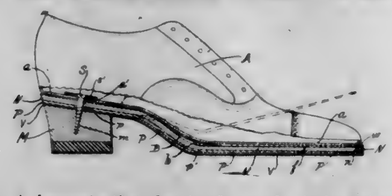
1. In a sweep forming machine of the character set forth, a base, a shiftable block thereon, means for adjusting said shiftable block, a removable sweep forming block carried upon said adjustable block, a swinging presser means adapted to form a body about said sweep block, means for supporting the ends of said body while being formed, and shiftable retaining pins projecting from said base forwardly of said supporting means adapted to engage the lower edge of the body being formed by the machine.

1,566,113. SHUTTLE. HECTOR PAVIA, Allentown, Pa. Filed Dec. 12, 1924. Serial No. 755,410. 2 Claims. (Cl. 139—208.)



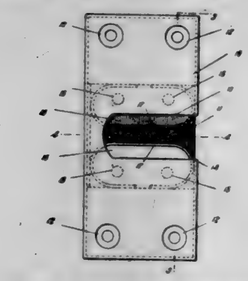
1. In combination, a shuttle body having a cavity for the wound package formed with an extension, the part of the body containing said extension having a hole penetrating said body and traversing said extension transversely thereof and formed at one end with a countersink, a pivoted spindle having its butt in the extension, a metal piece arranged between the spindle-butt and that side of said extension which adjoins the countersink, a metal screw-hold device driven into the countersink with a driven fit and thereby held by the body against turning, a sleeve in said hold spacing said device and piece and abutting the latter, a screw penetrating said hole and the spindle-butt and sleeve and fomring the pivot for the spindle and having one end threaded and screwed into said device and its other end within the hole, and means to hold the screw against turning.

1,566,114. EXHIBITION SHOE. DAVID PERKINS, Brockton, Mass., assignor to Geo. E. Keith Company, Brockton, Mass., a Corporation of Massachusetts. Filed Nov. 1, 1923. Serial No. 672,179. 4 Claims. (Cl. 36—1.)



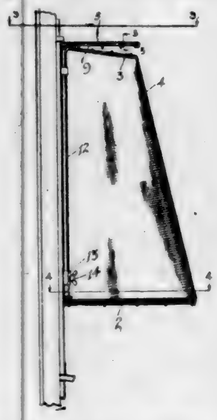
1. A demonstration shoe, made up of a body and inner sole part; a heel and outer sole part; and a single member connecting the two parts, to permit relative movement of the two parts about the single member as a pivot.

1,566,115. CLOSURE FASTENER. FREDERICK W. PLOSS, Philadelphia, Pa. Filed Feb. 28, 1925. Serial No. 12,316. 2 Claims. (Cl. 16—86.)



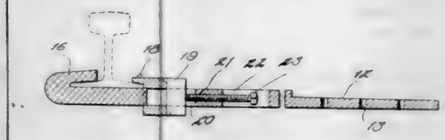
2. In a closure fastener the combination of a casing consisting of a box having an outwardly extending rim; a cover plate having an opening therein, said plate being adapted to engage said extending rim; two cushions positioned in said box; means in the bottom of said box adapted to engage said cushions; and two springs adapted to virtually enclose respectively said cushions, the ends of each spring being adapted to virtually meet, said meeting ends of each spring being adapted to abut the same side respectively of the box.

1,566,116. AWNING. EILER POULSEN, Chicago, Ill. Filed May 16, 1924. Serial No. 713,814. 3 Claims. (Cl. 156—15.)



2. An awning of the type described comprising a flexible awning sheet, means for supporting said awning in a substantially upright position, manually operated means for moving said awning laterally on its support and for collapsing parts of said awning at will, and a collapsible top awning member for cooperating with said upright awning.

1,566,117. TRACK FASTENER. HERMAN W. RARDAIN, Granville, Ohio. Filed Feb. 20, 1925. Serial No. 10,620. 2 Claims. (Cl. 238—51.)



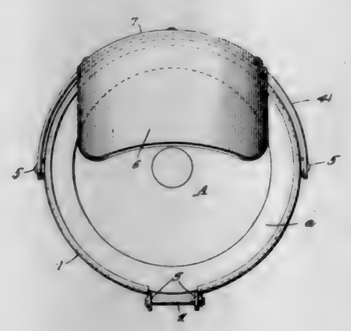
1. A tie rod for the rails of a track comprising two substantially identically constructed sections having their adjacent ends reduced and overlaped, means adjustably connecting said ends whereby the length of said rod can be varied, a fixed clamping member carried by the outer end of each section and designed to embrace the base of the rail, a cooperating movable clamping member embracing said section for sliding movement thereon, said section having a slot, a web carried by the movable clamping member and operating in said slot, and means carried by said section and engaging said web for adjusting the movable clamping member in one direction and holding it in clamping relation with the rails.

1,566,118. METHOD FOR THE PREVENTION OF CORROSION IN STEEL DIGESTERS. FRANCIS GEORGE RAWLING, Madison, Wis., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed Mar. 21, 1925. Serial No. 17,370. 3 Claims. (Cl. 92—11.) (Granted under the act of Mar. 3, 1883; 22 Stat. L. 625.)

1. The process of adding the sodium salt of a weakly ionized polybasic acid to an aqueous solution of sodium sulphite to be used for the pulping of wood, in a steel vessel, with the subsequent addition of a solution of caustic soda to the contents of the steel vessel during the period of cooking, for the purpose of preventing corrosion of the said vessel.

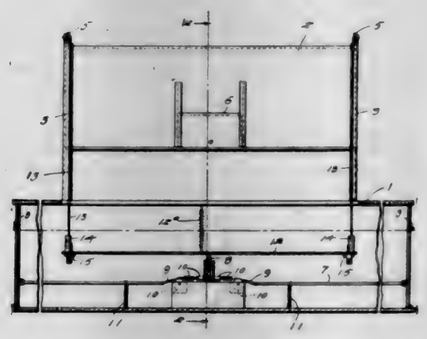


1,566,119. LIGHT DEFLECTOR. ISAAC M. REED, Bastrop, La. Filed Feb. 25, 1925. Serial No. 11,567. 1 Claim. (Cl. 240—48.4.)



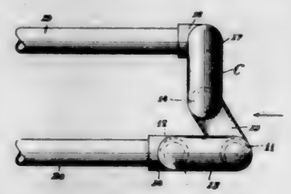
A deflector shield for a head lamp comprising a split ring adapted to encircle the front part of the lamp, means for holding the ring in position, a half ring pivoted to the first ring at diametrically opposite points and extending over the upper portion thereof and a deflector plate connected with the upper portion of the half ring and extending downwardly and forwardly in front of the lamp said plate being of curved shape and of considerably less width than the length of the half ring so that light rays can pass upwardly beyond each side edge of the plate.

1,566,120. BANK PROTECTOR. JOHN F. REEDER, Shelbyville, Ill. Filed Feb. 14, 1924. Serial No. 692,823. 3 Claims. (Cl. 268—2.)



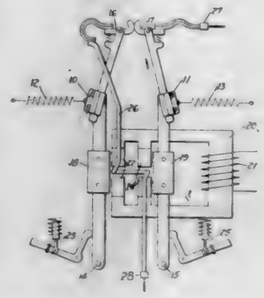
1. Protective means for a bank counter or the like consisting of spaced guides of channel form having their channels facing each other, a screen intermediate the guides, said screen having rollers mounted therefrom on opposite sides thereof and adapted to travel on the inner surfaces of the flanges of the guides and within the channels, catches pivoted to said guides and extending into the channels engaging the screen to normally hold it elevated, a vertically movable trip rod, connections between said catches and trip rod adjacent the guides, and trip means to operate the device including a trigger normally engaged with said trip rod and maintaining it elevated.

1,566,121. WATER HEATER. ARTHUR NELSON ROBERTS, Chicago, Ill. Filed Oct. 23, 1920. Serial No. 418,975. 2 Claims. (Cl. 137—75.)



1. In a water heating unit the combination of a single loop disposed in a horizontal plane comprising long and short spaced parallel legs connected by a U-shaped coupling, a second loop disposed in a vertical plane immediately above the space between the legs of the first mentioned loop and comprising long and short legs, means connecting the end of the longer legs of the first and second mentioned loops opposite to the ends to which the shorter legs thereof are respectively connected, and inlet and outlet conduits respectively connected at the free ends of the shorter legs of the first and second mentioned loops and extending transversely of the parallel disposition of the legs of said loops.

1,566,122. CIRCUIT-CONTROLLING DEVICE. FRANK ROBINSON, Gary, Ind., assignor to General Electric Company, a Corporation of New York. Filed May 16, 1925. Serial No. 30,738. 7 Claims. (Cl. 200—94.)

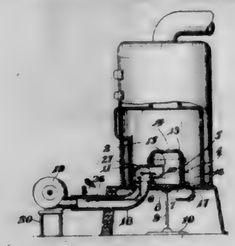


1. A high speed circuit interrupter comprising a pair of cooperating independently movable circuit controlling contacts each biased to a position to interrupt the circuit jointly controlled thereby, an electromagnet having a magnetic movable member for controlling each of said contacts, the said electromagnet having a separate flux path for magnetically holding each of said members in the circuit closing position, and means responsive to the current in the circuit controlled by the interrupter for simultaneously controlling the flux in said paths to release the said members.

1,566,123. AUTOMATIC CONTROLLED LIQUID-FUEL BURNER MECHANISM. ARTHUR ROBITAILLE, Putnam, Conn. Filed Sept. 16, 1925. Serial No. 56,735. 1 Claim. (Cl. 158—28.)

In a liquid fuel burner mechanism an open top receptacle including a body portion and a bottom forming a combustion chamber, said body portion at one side thereof formed with an opening near said bottom, said bottom having one side thereof provided with a depending portion for direction liquid fuel to said opening for the discharge of such fuel, a casting forming an inlet

for said chamber common to liquid fuel and a blast of air and formed of a pair of arms, one of the arms of said casting integral with and extending through the other side of said body portion and into said chamber, the inner end of such arm having its lower portion offset to provide a depending liquid fuel collecting cup, the



other arm of said casting integral with said body portion, a closure for the top of said body portion and formed with a central opening, and a liquid fuel feed pipe extending through said last mentioned arm and partly through the first mentioned arm, that part of the feed pipe in said horizontal arm extending partly across said cup.

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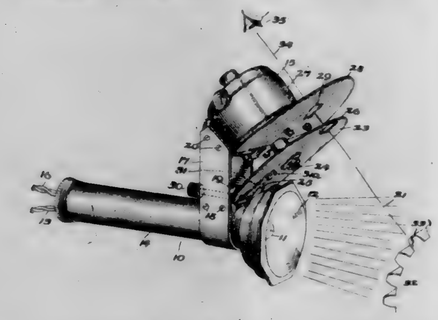
1,566,124. MEANS FOR EXAMINING RAPIDLY-MOVING OBJECTS. ROBERT H. ROGERS, Alplaus, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 24, 1924. Serial No. 708,786. 4 Claims. (Cl. 88—14.)



1. A portable device for examining rapidly moving objects comprising the combination in a unitary structure of a handle member, a source of light on said handle member, a dial provided with an aperture, means on said handle for rotating said dial, and means for regulating the speed of said dial.

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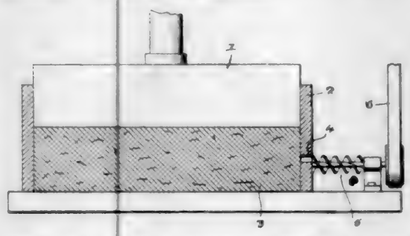
1,566,125. SHEET-METAL-SEAMING TOOL. HEYMAN ROSENBERG, New York, N. Y. Filed Aug. 23, 1923. Serial No. 658,932. 10 Claims. (Cl. 113—16.)

1. A sheet metal seaming tool comprising a mandrel having a flat working surface and beveled edges bounding the working surface, the beveled edges being rounded at one place and squared at another, a holder for the mandrel, and means of adjustable engagement between the mandrel and holder.

1,566,126. BRICKMAKING MEANS. REUBEN F. ROSS, Olive Hill, Ky. Filed Sept. 5, 1924. Serial No. 736,144. 1 Claim. (Cl. 25—83.)



Brick making means comprising a press box adapted to receive clay or other stock and pressure exerting means and having a vent for surplus clay or other stock, in combination with cut-off means exterior of the box and arranged adjacent to the said vent and adapted to operate on stock that exudes through the vent; the said cut off means being in the form of an auger and being provided with a driving connection whereby it is adapted to convey stock away from the vent.

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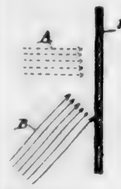
1,566,127. GLASS LENS AND METHOD OF TREATING THE SAME. WILLIAM RUNDQUIST, Elgin, Ill. Filed Nov. 3, 1924. Serial No. 747,591. 7 Claims. (Cl. 41—39.)



3. The method of treating lenses which consists in projecting a slanting stream of coarse particles of silica with a great amount of force, upon the surface of the lens, to form substantially uniform crystallized surfaces within the texture of the lens by breaking up the globules of the glass.

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1,566,128. INTERNAL-COMBUSTION ENGINE FOR KEROSENE AND CRUDE OIL. KAMAKICHI TAKATA, Kanda-Ku, Tokyo, and PAUL A. RITTER, Kojimachi-Ku, Tokyo, Japan. Filed July 12, 1922. Serial No. 574,560. 1 Claim. (Cl. 123—32.)

In a four stroke cycle internal combustion engine a cylinder having a tapered inner end, a piston therein also having a tapered inner end, so that a restricted passage is formed in said inner end of the cylinder when the piston is in instroke position, a combustion chamber having an air intake valve and also communicating with the cylinder through said restricted passage, means to supply fuel under pressure to said restricted passage and including a needle valve and means to operate the needle valve, and an exhaust valve opening into the cylinder, so that said restricted passage is between the air intake valve and the exhaust valve, so that the igniter and the injection valve needle are protected against the flow of the exhaust gas and the combustion chamber becomes filled with pure air after the combustion of each charge and together with the igniter is cleaned thereby and the compressed hot air in the combustion chamber becomes mixed with and vaporizes the fuel supplied to said restricted passage.



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1,566,129. HEEL FOR BOOTS AND SHOES. EDLE-KRISTINE THORDARSON, Aarhus, Denmark. Filed Sept. 11, 1922. Serial No. 587,461. 4 Claims. (Cl. 36—59.)

1. A heel for boots and shoes comprising a metal plate having pointed projections thereon and a channel slot therein; and a cover plate having a spring extension thereon adapted to be removably inserted in said slot of the metal plate to thus cover the pointed projections.

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1,566,130. X-RAY FILTER. FREDERICK TICHY, Astoria, and ARTHUR CHARLES KOENITS, New York, N. Y., assignors to Wappler Electric Company, Inc., a Corporation of New York. Filed Oct. 31, 1923. Serial No. 671,842. 5 Claims. (Cl. 250—84.)

1. As an article of manufacture, an X-ray filter having the general form of a grid and comprising a board provided with slots, and a number of spacing bars and metallic strips fitted into said slots.

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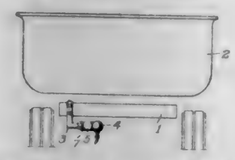
1,566,131. SUPPORT FOR TAIL LAMPS ON MOTOR VEHICLES. HARTWELL . TUCKER, Prince Georges County, Md. Filed July 31, 1923. Serial No. 654,912. 1 Claim. (Cl. 248—30.)



Supporting means for the tail lamp of a motor vehicle comprising a rigid support and a single flexible shock absorbing element of fibrous material interposed between the rigid support and the lamp, said flexible element constituting the sole connection between the rigid support and the lamp, the said flexible element having greater length than width and provided with means to permit attaching of the lamp at one end and means for securing the element to the rigid support at its opposite end, the said flexible element constituting a yielding cantilever supporting arm for the lamp with its major axis of flexure in a vertical plane.

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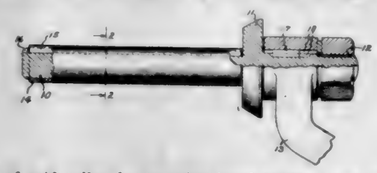
1,566,132. INSULATING STUD. LOUIS E. UNDERWOOD, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 11, 1924. Serial No. 725,495. 3 Claims. (Cl. 171—324.)

1. In a support for brush-holders, the combination of an insulating stud having a leakage collar formed integrally therewith intermediate its ends, means on one side of said collar for securing said stud to a support, a metallic sleeve surrounding said stud on the other



side of said collar for carrying brush-holders, and means on said sleeve cooperating with said stud for preventing said sleeve turning thereon.

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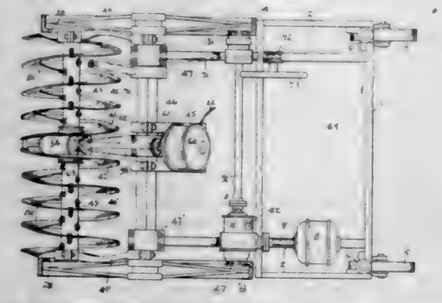
1,566,133. SAND-MIXING APPARATUS. HOWARD L. WADSWORTH, Cleveland, Ohio, assignor to Horace B. Fay, Cleveland, Ohio. Filed May 12, 1923. Serial No. 638,498. 9 Claims. (Cl. 259—144.)



1. In a sand cutter, the combination of a frame, wheels supporting the same, a sand cutting cylinder rotatably mounted in said frame, said cylinder having two series of blades, each terminating closely adjacent to the center of said cylinder, and driving means including a shaft operatively connected to the center of said cylinder between said two series of blades.

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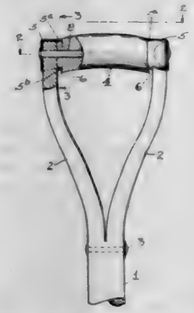
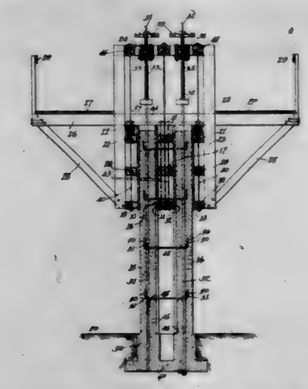
1,566,134. REENFORCED SPLIT D HANDLE. CHESTER J. WELSH, Conneaut, Ohio, assignor to The Conneaut Shovel Company, Conneaut, Ohio, a Corporation of Ohio. Filed Aug. 26, 1924. Serial No. 734,157. 2 Claims. (Cl. 294—57.)



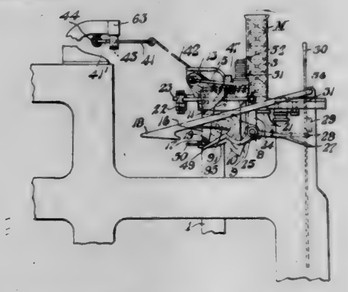
1. In a handle of the type described, the combination with a shaft bifurcated at its upper end to form diverging arms; a grip bar inserted between such arms; and a reenforcing member for each of the latter comprising a cap encasing the upper end of the arm and a portion surrounding the adjacent end of said grip bar, such surrounding portion and grip bar end having registering non-circular parts, whereby said bar is locked against rotation.

1,566,135. WALL-BONDING DEVICE. JAMES H. WAUGH, Los Angeles, Calif.; Clara Y. Waugh administratrix of said James H. Waugh, deceased. Filed Aug. 13, 1923. Serial No. 657,116. 4 Claims. (Cl. 25—131.)



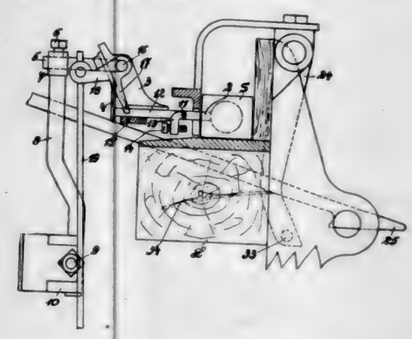
1. In a bonding device for hollow concrete walls, a plurality of vertically disposed wooden strips arranged in oppositely disposed pairs and spaced apart, and a plurality of bonding rods connected to each pair of said wooden strips, the ends of said rods projecting beyond the outer faces of said strips, the pairs of wooden strips being removable from the bending rods after the formation of the hollow wall members.

1,566,136. SHUTTLE-CHANGING MECHANISM FOR LOOMS. MAX AUERBACH, The Hague, Netherlands. Filed Mar. 26, 1923. Serial No. 627,839. 11 Claims. (Cl. 139—237.)



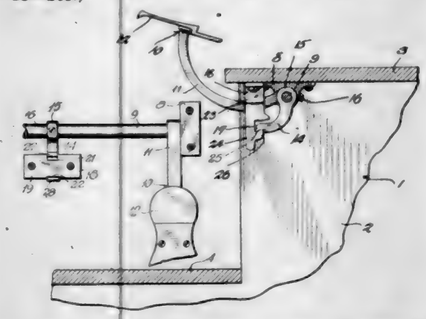
1. Shuttle-changing mechanism for looms, comprising in combination with mechanism for initiating the shuttle-changing operation on the weft failing, a shuttle-box having a rear wall capable of swinging inwards for ejecting the spent shuttle and a front wall intended to be raised for allowing a full shuttle to enter the shuttle-box, a spring for moving said rear wall inwards, a spring for maintaining said front wall in its closed position, means including a driving lever connected to the front wall of the shuttle-box, for raising said front wall during the rearward movement of the lay immediately before the change of shuttles takes place, a locking member intended to engage said driving lever for preventing said rear wall from swinging inwards until said front wall is completely raised and for maintaining said front wall in its raised position while the rear wall is swung inwards and a stationary stop member provided on the loom frame for swinging the rear wall outwardly again at the end of the beat after the shuttle has been changed.

1,566,137. FEELER MECHANISM. MAX AUERBACH, The Hague, Netherlands. Original application filed Mar. 26, 1923, Serial No. 627,839. Divided and this application filed Mar. 6, 1925. Serial No. 13,584. 1 Claim. (Cl. 139—278.)



Feeler mechanism, including in combination, a hook pivoted on the loom frame, a driving lever engaged by the hook for actuating the hook, means including a latch for maintaining said hook out of engagement with the driving lever, a stop member provided on the loom frame for retaining said latch, means adjustably mounted on the loom frame for releasing said latch from said stop member on the weft failing, comprising a feeler intended to make contact with the weft in the shuttle during the forward movements of the lay, a cranked lever pivoted on the weft feeler, one arm of said lever being capable of actuating the latch for releasing it, while the other arm is intended to be struck by the shuttle when the weft is exhausted and means for raising the hook and re-engaging the latch with the stop member after the changing operation has been completed.

1,566,138. MOVABLE FOOT REST FOR BOOTBLACK STANDS. HENRY BORGMANN, Washington, D. C. Filed Apr. 19, 1925. Serial No. 24,157. 3 Claims. (Cl. 15—265.)

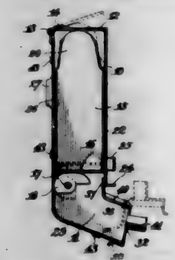


1. In a device of the class described, a shaft, means for mounting the shaft for rotation, a foot rest carried by the shaft, a keeper, means for mounting the keeper on the shaft for adjustment longitudinally of the shaft and circumferentially of the shaft, and a latch wherewith the keeper engages, to hold the foot rest in an operative position.

1,566,139. SMOKING SET. JOHN ANTHONY HONEGGER, New York, N. Y. Filed Aug. 8, 1924. Serial No. 730,958. 6 Claims. (Cl. 206—20.)

1. A smoking set comprising a receptacle body having superposed compartments for the reception of book matches, cigarettes and smoking refuse, the cigarette compartment having an open upper end, a vertically shiftable package carrier in said compartment, and means for manually shifting said carrier upwardly to facilitate the insertion or removal of the cigarette package or the withdrawal of the cigarettes therefrom, said



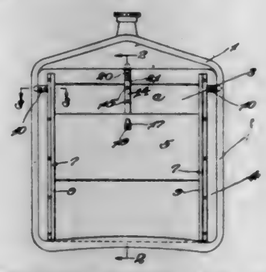


receptacle body having laterally projecting rearwardly offset slotted ears for removably attaching the device to suitable supporting elements in combination with a supporting stand including a vertical wall, a base at its lower end and side flanges on the base between which the lower end of the receptacle body is positioned.

1,566,140. KNIFE SHARPENER. GEORGE JONES, Philadelphia, Pa. Filed Apr. 4, 1925. Serial No. 20,785. 4 Claims. (Cl. 76—87.)

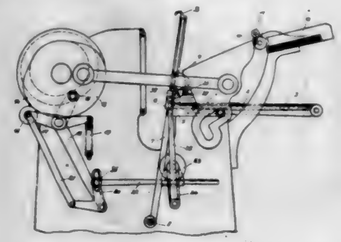
1. In a sharpener, a carrying plate, rotary sharpening discs, said discs provided with central openings, disc bearings struck from the carrying plate and engaging in said openings for rotatably supporting said discs and tongues connecting the disc bearings and carrying plate.

1,566,141. RADIATOR SHUTTER. ROBERT J. JONES, Chicago, Ill. Filed Oct. 15, 1923. Serial No. 668,685. 2 Claims. (Cl. 257—132.)



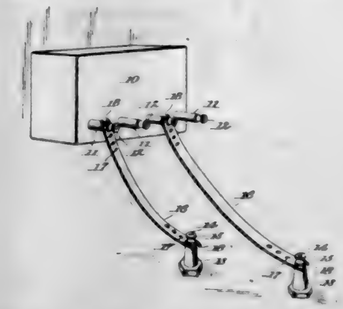
2. A radiator shutter including a body plate, having a portion thereof cut away within its outlines to form an opening through the body plate, the material from the cut away portion forming a movable closure plate, spaced guide members carried by the body plate for receiving the ends of the closure plate, a locking plate extending across the opening in the body plate, and means carried by the closure plate for engaging the locking plate to retain the closure plate in various adjusted positions with respect to the opening through the body plate.

1,566,142. FEEDING AND DELIVERING MECHANISM FOR PLATEN PRESSES. PAUL KAUFMANN, Dresden, Germany, assignor to Eugen Scheding, Heidelberg, Germany. Filed Jan. 26, 1924. Serial No. 688,784. 4 Claims. (Cl. 101—287.)



1. A feeding and delivering mechanism for platen presses in which the sheet is taken from the table situated below the platen and conveyed after the printing in upward direction to the delivering mechanism comprising in combination with the machine frame and with the platen, a gripper band designed to grip the sheet, two prism rods mounted on the base frame a base frame designed to guide said gripper band, and means on the platen for controlling said prism rods.

1,566,143. SPARK PLUG AND COIL CONNECTER. PAUL KOHLOFF, Mamaroneck, N. Y., assignor of one-half to George W. Gross, Mamaroneck, N. Y. Filed May 6, 1922. Serial No. 559,111. 1 Claim. (Cl. 173—324.)



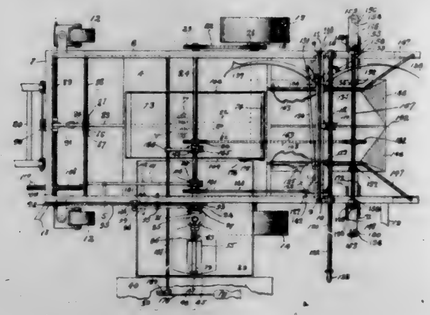
A device for connecting a terminal of a coil box with the respective terminals of a spark plug comprising a single piece of relatively springy metal strip having a plurality of apertures arranged near both ends thereof, jaws at the extreme ends of said metal strip and communicating with certain of said apertures, said metal strip adapted to be bowed in its connection with the respective terminals for constantly forcing the ends of the strip into engagement with the terminals.

1,566,144. GRAIN-STOOKING MACHINE. JOSHUA KENNEDY LAMBERT, Winnipeg, Manitoba, Canada. Filed Nov. 10, 1923. Serial No. 674,079. 20 Claims. (Cl. 56—404.)

1. The combination with a shaft and means to rotate the said shaft, of a receiver mounted on the shaft adapted to receive sheaves from a binder, and means operated by the weight of said sheaves to cause rotation of the receiver from the shaft in a horizontal plane to turn the sheaves end for end.

14. In a stooking machine, a stook former comprising a pair of horizontally suspended similar sections normally

positioned with their floors substantially meeting to accommodate a plurality of sheaves in standing position, means to bind the sheaves together in stook form, toggles normally positioned to maintain the normal



position of the similar sections, and means to operate the toggles intermittently operated from a moving part of the mechanism to snap the sections apart to deposit the stook upon the ground.

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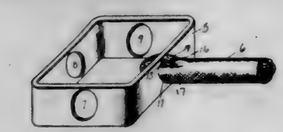
1,566,145. LOOM CLAMP. MARTIN LARSON, San Francisco, Calif. Filed Mar. 1, 1924. Serial No. 696,320. 1 Claim. (Cl. 247—25.)



In a device of the character described, a base, upturned sides secured to said base, said sides being formed upon an arc and tapered from one extremity toward the other extremity and comprising horns adapted to engage the sides of the loom, said sides having recesses formed substantially mid-way of their length.

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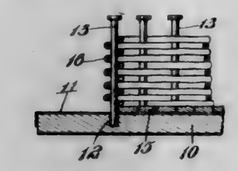
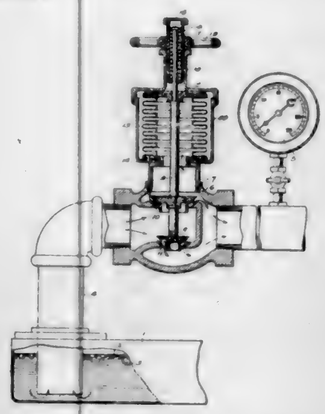
1,566,146. METHOD OF FORMING CANDY BASKETS. JAMES LAZARUS, Baltimore, Md., assignor of one-half to Hyland P. Stewart, Baltimore, Md. Filed Aug. 1, 1925. Serial No. 47,619. 7 Claims. (Cl. 107—54.)




1. A method for forming candy baskets which includes forming a basket bottom of candy and placing this upon a base carrying a series of removable pins disposed in plan in accordance with the plan of the basket, and interweaving a strip of candy having an initial temperature of between 335° F. and 350° F. alternately on the outside and inside of the pins until a wall of the proper height has been completed, removing the pins and replacing with stiff candy rods, and then finishing the basket.

1,566,147. REGULATING VALVE FOR FLUID-PUMPING APPARATUS. CHARLES SIGFRID LENZ and GEORGE EDWARD JUPP, New York, N. Y., assignors, by mesne assignments, to American Marine Device Corporation, New York, N. Y., a Corporation of New York. Filed July 21, 1923. Serial No. 653,030. 2 Claims. (Cl. 137—78.)



1. The combination of a tank adapted to contain a mixture of liquid, a pipe line extending from the bottom of said tank to a source of suction, a valve disposed in said pipe line, a syiphon tube connected to and opening into the valve casing on the suction side of the valve, a connection between the sylphon tube and the valve stem whereby the variation of suction will cause a movement of the tube and thereby a movement of the valve.

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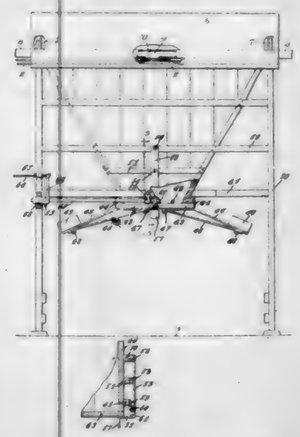
1,566,148. COTTONSEED CHUTE. JAMES OTIS LINDSEY, Parkdale, Ark. Filed Mar. 8, 1924. Serial No. 697,826. 1 Claim. (Cl. 221—144.)



In a device of the class described, a frame, a hopper carried by the frame, hinged gates controlling the lower end of the hopper, shafts journaled on the frame, at opposite sides thereof, arms on the shafts, flexible elements connected to the arms, direction-changing idlers on the frame, the flexible elements being engaged with the idlers, releasing arms on the shafts, and latches located



at opposite sides of the frame and cooperating with the gates to hold them closed, the releasing arms coacting directly with the latches to disengage them from the gates.

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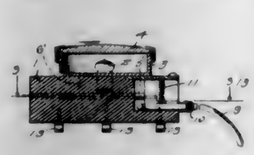
1,566,149. TRAFFIC SIGNAL. JOSEPH H. LYNCH, Brooklyn, N. Y. Filed Feb. 1, 1928. Serial No. 616,360. 1 Claim. (Cl. 177—329.)



A traffic signal comprising a casing, a signal element on said casing, conductors in insulated relation within said casing operatively associated with the signal member, a normally open switch lever having a portion within the casing adapted to bridge said conductors, said lever having a distal end portion extending outwardly through one end thereof and disposed adjacent the base of the index finger and opposite the thumb, and means offset from the said end of the casing pivotally mounting said lever.

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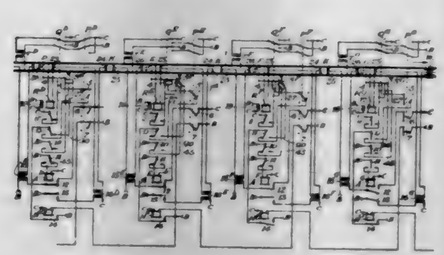
1,566,150. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Nov. 10, 1923. Serial No. 674,057. 8 Claims. (Cl. 246—34.)



1. In combination, a plurality of successive sections of railway track, means for supplying alternating track circuit current of one relative polarity to the rails of the first and second sections in the rear of an occupied section and for supplying track circuit current of the other relative polarity to the rails of all other sections, and means for supplying an additional train controlling current to each section.

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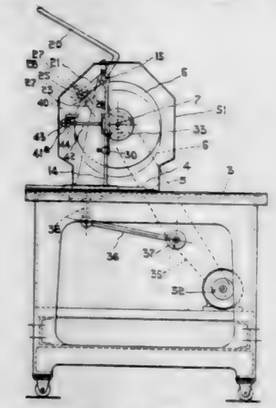
1,566,151. MANUFACTURE OF BREAD AND THE LIKE. JAMES FREDERICK MCDONOUGH, Montreal, Quebec, Canada, assignor to James M. Aird Limited, Montreal, Quebec, Canada. Filed Oct. 25, 1923. Serial No. 670,672. 5 Claims. (Cl. 107—8.)

1. In a machine of the type described, a pair of spaced vertical standards, a collar encircling each standard and slidable vertically thereon, a shaft having its ends journalled in said collars, a plurality of circular knives rigidly mounted upon the shaft and rotatable thereon, means for rotating the shaft, a second shaft having its ends rotatably mounted in the standards, an arm rigidly mounted upon each end of the second shaft, links pivotally connected at their upper ends to the



arms and at their lower ends to the collars and means for rotating the second shaft for the purpose of lowering or raising the knives.

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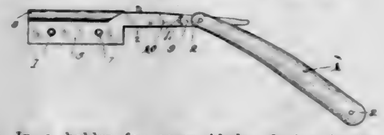
1,566,152. HONING AND STROPPING DEVICE FOR SAFETY-RAZOR BLADES. WALTER B. MCFARLANE, Niagara Falls, Ontario, Canada, assignor of one-fourth to Edwin Poole, St. Catharines. Filed Mar. 18, 1925. Serial No. 16,547. 5 Claims. (Cl. 30—25.)



1. In a holder for razor blades during honing and stropping, the combination of a pair of plates connected together at one end in a manner to prevent movement relative to one another in the plane of their adjacent surfaces, and between which a blade may be received, at least one of said plates being formed of resilient material, the free end of said last mentioned plate normally tending to occupy a position spaced from the other plate in a direction normal to their surfaces; and a shank integral with the free end of each plate, one of said shanks having a recess formed therein in which at least a portion on the other shank is adapted to be received when the plates are in blade holding position.

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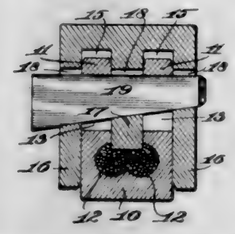
1,566,153. CABLE CLAMP. CHARLES A. MCMUNN, Anaheim, Calif. Filed Feb. 19, 1925. Serial No. 10,229. 3 Claims. (Cl. 24—126.)




1. A cable clamp comprising a block having a pair of plates spaced apart to form a slot, there being a pair of cable-receiving grooves formed at the lower end of said

slot, a second block provided with a pair of slots that are adapted to receive the plates of the first mentioned block, the overlapping portions of the two blocks being provided with transversely aligned slots and a wedge key adapted to be driven through said aligned slots for drawing the blocks into clamping engagement with the cables that occupy said cable receiving grooves.

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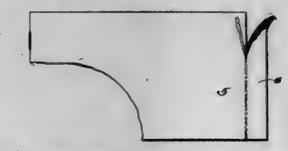
1,566,154. BOOKLET. GEORGE M. MARSHALL, Chicago, Ill. Filed May 10, 1924. Serial No. 712,379. 1 Claim. (Cl. 281—18.)



A booklet comprising a series of leaflets folded upon themselves, means permanently connecting the leaves at their folded portions and a row of stitching extended transversely across the leaves adjacent their normally free edges whereby to permit ready removal of the ends on the line of stitching.

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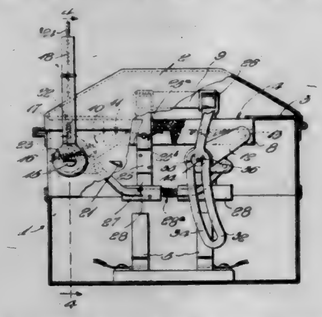
1,566,155. MOTOR-STARTING SWITCH. RALPH K. MASON, Bantam, Conn., assignor of one-half to John H. Lancaster, Litchfield, Conn. Filed June 23, 1920. Serial No. 391,032. 5 Claims. (Cl. 200—3.)



1. In a double break motor starting switch, paired contacts fixedly mounted, a carrier mounted for movement bodily toward said contacts, and a pair of spaced fusibly connected switch blades extending in the same direction from said carrier and adapted to engage said fixed contacts for runing; together with a non-fusible bridge spaced throughout its length from both switch blades and adapted to engage said contacts for motor starting, insulation connecting said non-fusible bridge with both of said switch blades and co-operating with the latter in forming the sole supporting means for said bridge, and means for moving said carrier in the same direction to two distinct positions to move said non-fusible bridge into engagement with said paired contacts and to then present said switch blades to said contacts.

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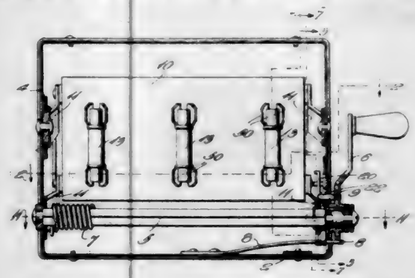
1,566,156. MOTOR-STARTING SWITCH. RALPH K. MASON, Bantam, Conn., assignor of one-half to John H. Lancaster, Litchfield, Conn. Filed July 1, 1922. Serial No. 572,237. 10 Claims. (Cl. 74—39.)

1. Control means for a switch having starting and running positions, comprising a track, a track-engaging shoe, the one member being relatively stationary while the other member moves concurrently with the switch, yieldable means mounting said shoe and exerting a constant lateral stress thereon toward said track, a switch tongue associated with said track along which said shoe travels when the switch member is moved to starting position, whereby to shift said shoe laterally from said track until the end of said tongue is reached, and a stop opposite said track for temporarily arresting forward movement of said shoe when it leaves said switch tongue



until said shoe is retrogradely moved and disengaged from said stop, provision being made whereby said shoe and tongue may relatively yield transverse to the plane of movement of the movable member, permitting the shoe to pass the tongue without being shunted from the track when the switch member is moved to off position.

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1,566,157. ROCKER ATTACHMENT. HILMAR MICHAELSON, Waukegan, Ill. Filed Aug. 18, 1924. Serial No. 732,855. 1 Claim. (Cl. 155—74.)

In combination with the legs of a chair, buttons carried by one of said legs having an annular groove, U-shaped clips attached to the lower end of the other leg, of a rocker, recesses in its forward end and a longitudinal groove intermediate its ends, a plate attached to the rocker and projecting over said recess, a notch formed in one end of the plate providing spaced arms above said recess and adapted to be fitted into the annular grooves of the button, said U-shaped clips fitting into the longitudinal groove for retaining the rocker against movement relative to the legs.

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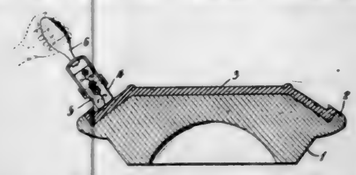
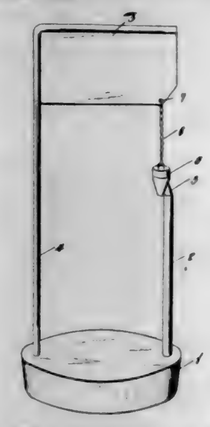
1,566,158. METHOD OF AND APPARATUS FOR DECORATING ARTICLES OF PLASTIC MATERIAL. JOHN EDWARD MILLER, Huntington, W. Va. Filed Mar. 28, 1925. Serial No. 19,118. 3 Claims. (Cl. 25—24.)



1. In the method of decorating articles made of plastic material, forming the article mold by providing a jigger-head with a layer of plastic material shaped to form the article, and then impressing a decoration into the surface of said plastic material.



1,566,159. STICK FILE. JAMES H. MILLING, Dallas, Tex. Filed May 14, 1925. Serial No. 30,238. 2 Claims. (Cl. 129—23.)



1. In a stick file, a base member, an impaling pin secured to said base member and having a tapered upper end, a standard secured to said base member and having an offset portion, a flexible member connected to said offset, and a pendant supported by said flexible member and having its lower end tapered to conform to the taper on the pin.

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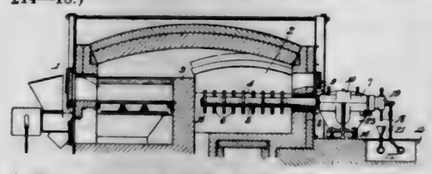
1,566,160. CONVEYER FOR ANNEALING FURNACES. JULIAN E. MONTGOMERY, Wheeling, W. Va. Filed Feb. 14, 1924. Serial No. 692,752. 8 Claims. (Cl. 214—18.)



1. The combination with the heating chamber of a continuous furnace, sheet conveying means operating within said chamber, said means comprising rotary shafts of tubular form disposed transversely of said chamber, sheet-carrying disks mounted on said shafts, bearings located exterior to the outer wall of said chamber constituting the sole means of support for said shafts, gearings for driving said shafts, and means for circulating a cooling fluid through said shaft.

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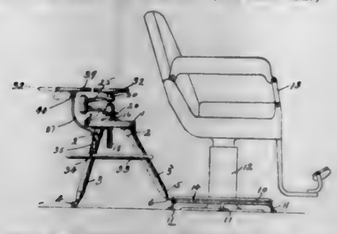
1,566,161. BARBER'S OR DENTIST'S STOOL. ULYSSIS RANDOLPH MOORE, Detroit, Mich. Filed Apr. 21, 1925. Serial No. 24,813. 4 Claims. (Cl. 155—81.)



1. A stool for barber's or dentist's use comprising a stool head having legs rigidly connected thereto, a tubular circular track having means for attachment to the floor in surrounding relation to the pedestal of a barber's or dentist's chair, the outer, peripheral wall of the tubular track having a continuous slot, a radially extending arm, carried by one of the stool legs to extend through the slot, the other legs being provided with casters to roll on the floor.

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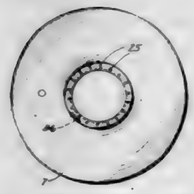
1,566,162. METHOD OF MAKING SUPPORTS FOR SOUND REPRODUCERS. DAVID H. MOSS, Newark, N. J., assignor, by mesne assignments, to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Original application filed Feb. 9, 1924, Serial No. 691,812. Divided and this application filed Mar. 4, 1925. Serial No. 13,009. 7 Claims. (Cl. 113—116.)



1. The method of manufacturing a support for an electromagnetic sound reproducer which consists in stamping an upper base member to substantially the contour of a finished base with a substantially flat central portion, punching out said central portion in a shape to provide a plurality of inwardly extending lips, pressing said lips vertically downward and simultaneously providing an entrance for a conductor into said base, enlarging said entrance and smoothing down the side walls thereof, and providing a plurality of apertures in the top of said base member for cooperation with a plurality of projections depending from a cap secured to the casing of an electromagnetic operating mechanism.

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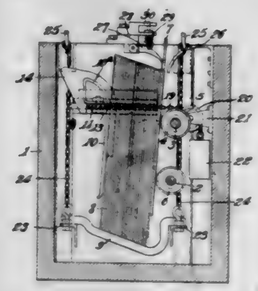
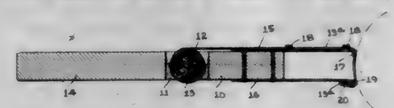
1,566,163. SHEET-FEEDING DEVICE. DANIEL NEIHART, Martins Ferry, Ohio. Filed Sept. 15, 1923. Serial No. 662,852. 3 Claims. (Cl. 271—39.)



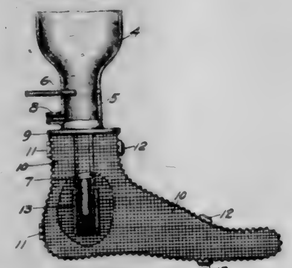
1. A metal-sheet feeding device comprising a fluid-containing tank, shafts journaled within said tank, a plurality of rollers carried by each of said shafts, a support upon which a pack of sheets seats in edgewise position, automatic pack advancing means whereby said pack is held in a forwardly thrust position on said support in which it rests closely against said rollers, said means including fingers having curved upper portions over which the pack is guided to position in introducing the latter means for rotating the uppermost of said shafts for frictionally elevating the foremost sheet of the pack, and means permitting elevation of but one sheet at a time.

1,566,164. GENERATOR-COMMUTATOR CLEANER. HERBERT P. NORTON, Pierpont, Ohio. Filed Apr. 4, 1925. Serial No. 20,708. 1 Claim. (Cl. 51—187.)



In a commutator cleaner, a frame formed at one end to provide a handle and having at its opposite sides thereof a pair of extended guide strips, the outer end of one of said guide strips being inbent, the outer end of the other guide strip being outwardly bent and reverted in closely spaced relation to the guide strip, the frame being formed intermediate the ends thereof with an opening housing a coil of stripped sandpaper, the end of the strip of sandpaper being passed about the ends of said supporting strips and engaged between said reverted portion and the strip to which it is attached, the first named supporting strip being provided at spaced points with guide loops through which the sandpaper strip is directed.

1,566,165. METHOD OF MAKING ARTICLES FROM RUBBERIZED-FIBER COMPOSITION. WILLIAM G. O'BRIEN, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 31, 1922. Serial No. 578,743. 11 Claims. (Cl. 18—58.)

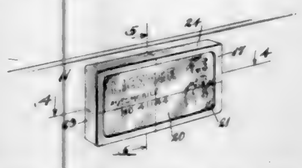


1. The method of treating fibers which comprises coating the fibers with rubber, depositing the coated fibers on a porous mold, and drying the product.

1,566,166. AUTOMATIC WAKE-UP DOLL. GEORGE H. PARSONS, New York, N. Y., assignor to Averill Mfg. Co., New York, N. Y., a Corporation of New York. Filed Dec. 10, 1924. Serial No. 75,004. 5 Claims. (Cl. 46—40.)

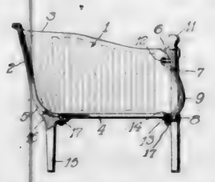
1. In combination with a toy having movable eyes and a sounding mechanism, of a pair of gravity operated bellows within the doll, one of said bellows operatively connected with the eyes and with the sounding mechanism, a tripping device for holding said eye controlling bellows in open position, and a releasing device on the other bellows to release the tripping device.

1,566,167. AUTOMOBILE LICENSE HOLDER. PETER F. PETERSEN and WILLIAM W. KATHAN, Tulsa, Okla., assignors of one-third to Francis S. Brooks, Tulsa, Okla. Filed Dec. 8, 1924. Serial No. 754,616. 6 Claims. (Cl. 40—10.)



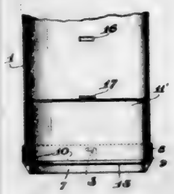
1. A license holder comprising a base plate provided with angularly disposed walls formed with an inwardly faced locking shoulder, and a cover member having angular walls adapted to embrace the walls of said base plate and provided upon their inner face with cooperating outwardly faced locking shoulders disposed to interlock with the face of the shoulder on the walls of the base plate when the cover completely encloses said plate.

1,566,168. PORTABLE FIRE BASKET. JOHN B. RATHMELL, Chattanooga, Tenn. Filed Nov. 12, 1923. Serial No. 674,346. Renewed Nov. 9, 1925. 5 Claims. (Cl. 126—165.)



2. A portable fire basket comprising a basket proper having an open front, a wall for said open front, legs arranged upon the opposite ends of said wall, horizontally disposed apertured bracket plates supported by said legs, and downwardly disposed substantially right angularly formed fingers arranged upon the forward portions of the opposite side walls of said basket engageable in said bracket plates, as and for the purpose set forth.

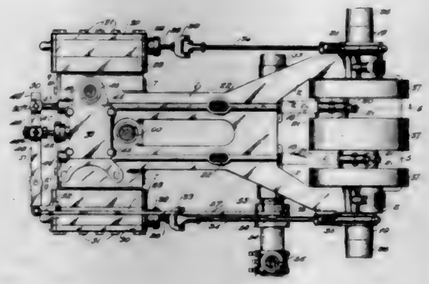
1,566,169. DISPENSING DEVICE. DAVID H. SANKEY and HARRY BROOKS, Pittsburgh, Pa. Filed Sept. 19, 1925. Serial No. 57,471. 2 Claims. (Cl. 226—19.)



1. A dispensing device comprising a carton retaining body having one end fully open and cutting means removably engaged with said end, a handle connected to the opposite end of the body, said body having pairs of diametrically arranged openings formed in the side walls thereof spaced longitudinally throughout its length, and a stop bar removably receivable in said pairs of openings.



1,566,170. STEAM ENGINE. GEORGE W. SOULE, deceased, late of Meridian, Miss., by Constance G. Soule and Clyde W. Soule, executors, Meridian, Miss., and Clyde W. Soule, Meridian, Miss., assignors to Soule Steam Feed Works, a Corporation of Mississippi. Filed July 14, 1923. Serial No. 651,609. 1 Claim. (Cl. 121—138.)

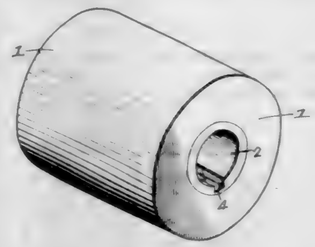


In a steam engine, means for reversing the directional rotation of the engine comprising a reversing valve for controlling two independent steam ports, a control lever mounted at a point remote from the reversing valve, means between the control lever and the reversing valve for moving the said valve by the control lever, said means including a lever of the first class connected to the reversing valve, said first class lever provided with means permitting the same to be changed into a lever of a different class to permit the reversing valve to be moved in an opposite direction having given movement of the control lever.

1,566,171. SCAFFOLD HORSE. WILLIAM J. SPUHR, Leonia, N. J. Filed Jan. 31, 1925. Serial No. 6,102. 3 Claims. (Cl. 304—6.)

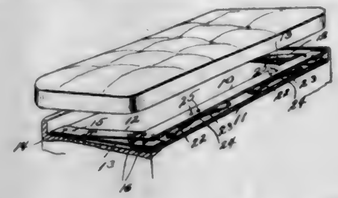
1. A scaffold horse comprising a cylindrical scaffold sustaining member, a pair of supporting plates for said member, each plate provided at its upper end with a curved flange adapted to bear against the side of the sustaining member, interlocking means on the lower ends of said plates whereby they interlockingly engage and are disposed in a divergent relation, said plates being apertured between the interlocking means and the flanges and a clamping bolt adapted to extend through said apertures to hold the plates in proper relation to each other and with the flanges against the sustaining member.

1,566,172. PULLEY. ROBERT J. STOKES, Princeton, N. J., assignor to Thermoid Rubber Company, Hamilton Township, N. J., a Corporation of New Jersey. Filed Nov. 23, 1922. Serial No. 602,833. 1 Claim. (Cl. 64—17.)



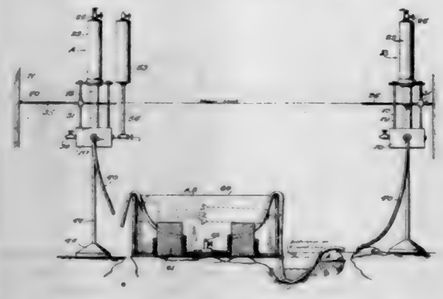
A pulley consisting of finely divided ground asbestos fibres, cotton fibres, fine wires, and a rubber binder, molded into shape and vulcanized under pressure.

1,566,173. SPRING. CHARLES A. STORCK, Buffalo, N. Y. Filed Oct. 25, 1923. Serial No. 670,757. 3 Claims. (Cl. 155—55.)



1. An auxiliary spring device for seat cushions comprising a frame including spaced front members, side members consisting of resilient metal strips secured together at one end and spaced at the other end to engage the spaced front members, said side members being secured angularly to said front members, and a leaf spring between said front members extending in a direction longitudinally thereof.

1,566,174. LEVELING APPARATUS. JAMES J. TYLER, New York, N. Y. Filed Sept. 1, 1923. Serial No. 660,605. 5 Claims. (Cl. 33—209.)



2. A leveling instrument comprising coacting reservoirs for liquid, suitable intercommunication between said reservoirs, an indicating tube mounted on each of said reservoirs and opening into the same, an index for

each of said tubes, means for supporting the indices, means for directly filling one of said reservoirs, a support for each of said reservoirs having slidably adjustable connection therewith, a vessel for each reservoir into the bottom of which said tube opens, and elements adapted to secure the reservoir tube and vessel together.

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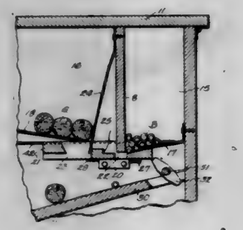
1,566,175. SMOKING SET. JOSEPH VAGHI, Bethel, Conn. Filed Dec. 7, 1923. Serial No. 679,142. 1 Claim. (Cl. 211—8.)



In a smoking set, a cabinet divided into two compartments, one of which constitutes a compartment for matches and the other a compartment for tobacco products, each of said compartments being provided with a discharge opening, a slide having openings therein, an inclined chute beneath said slide, said slide being normally disposed to bring the openings thereof respectively in registration with the discharge openings, members beneath said slide for respectively supporting the articles as they respectively drop into the openings therefor in the slide, means for moving the slide in one direction to cause the articles to fall clear of said members, and means for returning said slide to its normal position, said last means having a portion obstructing the discharge opening of one compartment to prevent the discharge of an article therefrom when said slide is in the discharging position.

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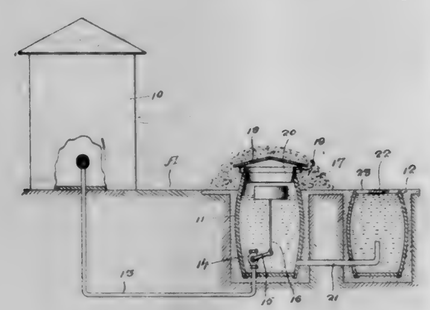
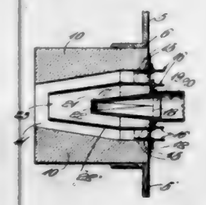
1,566,176. WATERER. JOSEPH WEBER, Grinnell, Iowa. Filed Dec. 27, 1924. Serial No. 758,418. 1 Claim. (Cl. 119—78.)



In a stock watering device, an auxiliary water supply tank having an open upper end provided with a beveled edge, a ventilating cover for the tank comprising an annulus having inwardly inclined walls of a size and shape to frictionally engage the beveled edge of the open upper end of the tank, a flange spaced horizontally from the annulus and a substantially cone shaped top supported by the flange.

1,566,177. PULVERIZED-FUEL BURNER. WILLIAM H. WHITAKER, Shelbyville, Ill. Filed June 25, 1923, Serial No. 647,681. Renewed June 1, 1925. 4 Claims. (Cl. 110—104.)



1. A pulverized fuel burner comprising a fuel supply nozzle horizontally widened at its discharge end and adapted at its outer end for connection with a supply pipe for pulverized fuel and fluid under pressure, an air inlet pipe surrounding said nozzle in spaced relation therewith and projecting inwardly beyond said nozzle, said pipe being of greater width than height, the top, bottom and side walls of said pipe converging to the inner extremity of the latter and the outer end of said pipe being open to free air to admit the same, and an air inlet passage member surrounding said pipe in spaced relation therewith and projecting inwardly beyond said pipe, said passage member being of greater width than height, the top, bottom and side walls of said passage member converging to the inner extremity of the latter and the outer end of said passage member being open to free air to admit the same.

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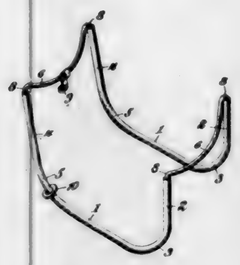
1,566,178. BARREL OR KEG STAND. ISAAC N. WILLIAMS, Foltz, Ind. Filed Oct. 25, 1924. Serial No. 745,874. 5 Claims. (Cl. 248—56.)



1. A barrel or keg stand, comprising a pair of separate spaced rockers provided with sockets, transverse supports having means for detachable connection with the sockets and adapted to hold the rockers together and to support a barrel or keg in elevated, horizontal position and to permit the same to be tilted, said supports serving as the sole connecting means for the rockers and when disconnected from the latter permitting the stand to be collapsed.

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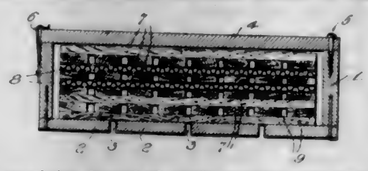
1,566,179. ANT TRAP. CHARLES G. WILMARTH, Salina, Kans. Filed July 23, 1925. Serial No. 45,670. 1 Claim. (Cl. 43—121.)

An ant trap comprising a box having a removable top and a slatted bottom, the slats of said bottom being



spaced apart to provide entrance slots, a honey comb core substantially filling the entire interior of the box,



said core being formed of woody material, said core being readily removable by inverting the box and being adapted to be used for one catch and then discarded.

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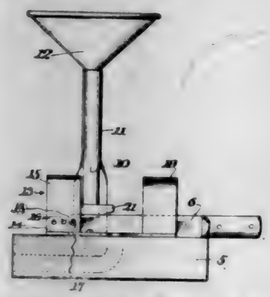
1,566,180. SHOT-CUTTING MACHINE. ELMER J. BARCLAY, Douglas, Ga. Filed Aug. 28, 1924. Serial No. 734,676. 3 Claims. (Cl. 29—1.)



3. A shot cutting machine including a base, a shot anvil mounted thereon and provided with a semi-spherical recess for the shot, a shot delivery tube also mounted on the base and having its opening adjacent the recess of the anvil, an adjustable plate mounted upon the anvil also adjacent the recess but opposed to the slot to regulate the distance therebetween to accommodate various sized shots, a spaced fulcruming member mounted upon the base and provided with a series of pairs of openings, a fulcrum mounted in said opening, a knife having one end connected to said fulcrum for movement diametrically across the shot receiving recess of the anvil, and a pair of plates attached to the base and spaced to provide a guide for the free end of the blade of the knife.

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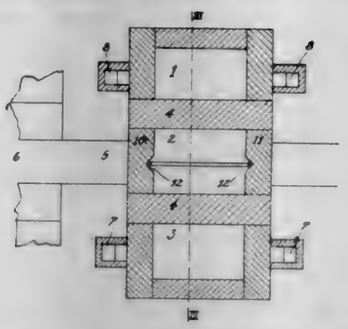
1,566,181. SHEET-GLASS-DRAWING FURNACE. GEORGES BRASSEUR and ARISTIDE ANDRIS, Charleroi, Belgium. Filed Aug. 15, 1923. Serial No. 657,565. 1 Claim. (Cl. 49—17.)



In a sheet glass drawing furnace, a molten glass compartment, a heating chamber at each of two opposing sides of said compartment, the remaining sides of said compartment being without direct heating, the non-heated sides of the compartment being formed with V-shaped grooves to receive a plate to start the glass drawing from the compartment in sheet form with the edges thereof in contact with the non-heated sides of the compartment.

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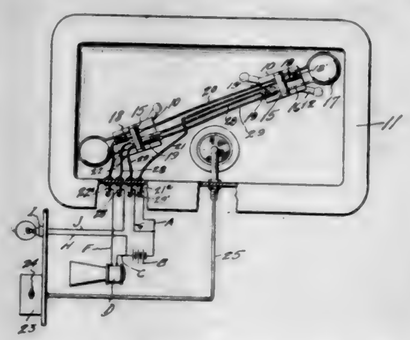
1,566,182. OIL-LEVEL-INDICATING DEVICE. JAMES F. CHAPPELL, Dallas, Tex., assignor, by direct and mesne assignments, to Automatic Oil Controller Company, Dallas, Tex., a Corporation of Delaware. Filed May 20, 1921. Serial No. 471,236. 3 Claims. (Cl. 177—311.)



1. In an oil level indicating device, a tank, a pair of floats, means for mounting said floats in said tank opposite each other and on opposite sides of the transverse and longitudinal axes of said tank, a maximum level electric signal, a minimum level electric signal, a circuit for said maximum signal including circuit closing means comprsing said floats for closing said circuit when either float is raised to a predetermined level, a circuit for said minimum level signal including circuit closing means comprising said floats for closing said circuit only when both of said floats are lowered to a predetermined level.

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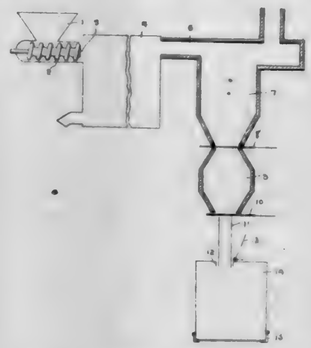
1,566,183. METHOD OF PRODUCING ZINC OR ZINC AND LEAD. CORNELIUS ERIK CORNELIUS, Stockholm, Sweden, assignor to Trollhättans Elektrothermiska Aktiebolag, Stockholm, Sweden. Filed July 27, 1921. Serial No. 487,990. 6 Claims. (Cl. 75—153.)



1. The method of producing volatile metals consisting in generating metal vapors by a reduction process, then conducting the vapors, without allowing their contact with the air and subjecting them to a temperature sufficiently low to convert substantially the whole bulk of

condensible vapors into a powdered state, then conducting said powder avoiding its contact with the air and subjecting the powder to a heating and mechanical action to convert the same into a liquid state.

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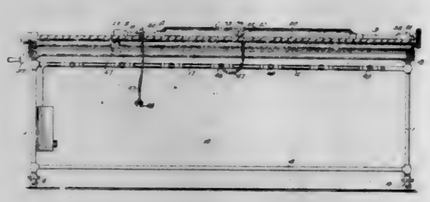
1,566,184. CUTTING MACHINE FOR PRINTING-PRESS ROLLERS. CLAUDE MILTON EARLEY, Brooklyn, N. Y. Filed Dec. 29, 1923. Serial No. 683,481. 4 Claims. (Cl. 82—2.)



1. A machine for trimming the ends and grooving the surface of printing press rollers, comprising means for supporting said rollers for rotation, a cutting tool, means for supporting the effective portion of the cutting tool in operative relation to the path of movement of the surface of the rollers to be cut, and means for heating the effective portion of the tool.

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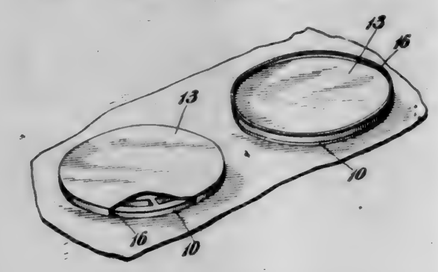
1,566,185. ATTACHMENT FOR THE HEATING COILS OF ELECTRICAL STOVES. WILLIAM T. ELMGREN, Vancouver, Wash. Filed Aug. 27, 1925. Serial No. 52,859. 2 Claims. (Cl. 219—37.)




2. In combination with an electrical heating unit comprising a fire brick body having a substantially flat top provided with grooves and electrical resistance elements disposed within the grooves, a cover therefor loosely engaged with and fitting upon the top of the fire brick, said cover being of the same size and shape as the fire brick and having at its edges a rim flange loosely engageable about the side edges of the fire brick, said cover being reversibly engaged with the fire brick.

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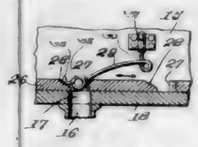
1,566,186. METHOD FOR MANUFACTURING GYPSUM FROM ANHYDRITE. MARIE FARNSWORTH, New Brunswick, N. J. Filed Mar. 11, 1925. Serial No. 14,835. 3 Claims. (Cl. 23—122.)

1. A method for forming gypsum from anhydrite which comprises grinding anhydrite to a size between the limits in which the largest particles do not exceed substantially 135 microns with an average size of 18 microns to that in which the largest particles do not exceed substantially 30 microns with an average size of substantially 7 microns and hydrating the ground anhydrite.

1,566,187. SEED PLANTER. JAMES L. FIFER, Vale, Oreg. Filed July 6, 1923. Serial No. 649,955. 1 Claim. (Cl. 221—125.)




The combination with a hopper having an outlet opening, of a disk rotatable in the hopper and having a plurality of radially disposed openings adapted to successively register with the outlet opening and having their edges beveled at one side, such bevel extending from the upper face of the disk to a point adjacent its lower face, a bracket secured to the hopper, and a resilient ejector supported in the bracket, the ejector including a resilient arm terminating in a coil adapted to successively move into and out of the openings to eject the contents of the hopper through the same, and a curved extension on the coil adapted to successively contact with the bevel edges of the openings.

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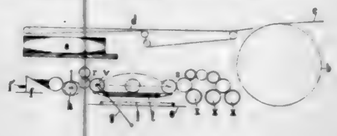
1,566,188. HIGH-SPEED CYLINDER PRINTING PRESS. OSKAR FINKHAUS, Wurzburg, Germany, assignor to Bohn & Herber, Maschinenfabrik und Eisengiesserei, Bavaria, Germany, a Kommanditgesellschaft of German Law. Filed Aug. 2, 1924. Serial No. 729,811. 4 Claims. (Cl. 101—356.)



1. In a one-color high speed cylinder printing press, the combination of a stationary printing cylinder always rotating in one direction, with a taking-off device directed towards the front of the machine, a delivery table near the front edge of the machine, an inking device in which all the movable and ink conducting surfaces are cylindrical and under the taking-off device, an ink duct, said duct mounted under the delivery table and close to the front edge of the machine and a reciprocating carriage coacting with said printing cylinder.

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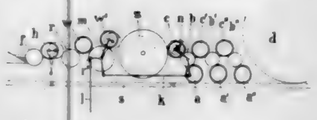
1,566,189. INKING MECHANISM OF PRINTING PRESSES. OSKAR FINKHAUS, Wurzburg, Germany, assignor to Bohn & Herber, Maschinenfabrik und Eisengiesserei, Wurzburg, Bavaria, Germany, a Kommanditgesellschaft of German Law. Filed Aug. 2, 1924. Serial No. 729,812. 3 Claims. (Cl. 101—350.)



1. A cylinder inking mechanism for printing presses comprising an ink trough at one end of said press and an impression cylinder at the other end of the press, a rotary ink transfer cylinder interposed between said ink trough and impression cylinder and rotating in one direction, a preliminary ink distributing mechanism interposed between said ink trough and ink transfer cylinder, a form inking mechanism interposed between the impression cylinder and the ink transfer cylinder, a type



form adapted to be brought in contact with said form inking mechanism and impression cylinder, said ink transfer cylinder having a circumference substantially equal to the greatest length of said type form, and means for alternately bringing the cylindrical surface of said ink transfer cylinder in contact with the preliminary ink distributing mechanism and the form inking mechanism.

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1,566,190. PNEUMATIC BUFFER. OSKAR FINKHAUS, Wurzburg, Germany, assignor to Bohn & Herber, Maschinenfabrik und Eisengiesserei, Wurzburg, Bavaria, Germany, a Kommanditgesellschaft of German Law. Filed Aug. 2, 1924. Serial No. 729,814. 4 Claims. (Cl. 188—96.)

1. A pneumatic buffer for absorbing mechanical shocks of a reciprocating body more particularly applicable to printing machines, consisting of a piston adapted to be connected with a reciprocating body and of a corresponding cylinder receiving said piston, one or more small openings being provided in the pressure chamber of the cylinder, said openings so constructed, arranged and adapted to produce a change of pressure in said cylinder on a variation of speed of the reciprocating body and retain said pressure in the cylinder sufficient to accelerate the return speed of the reciprocating body.

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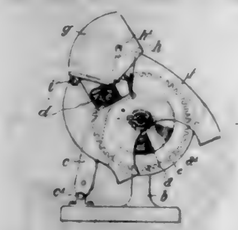
1,566,191. SAWING MACHINE. MARIE CHARLES LÉON GASTON FLEISCHEL and EMMANUEL LOUIS FRANCOIS MARIE PIRONNEAU, Paris, France. Filed Nov. 8, 1923. Serial No. 673,601. 8 Claims. (Cl. 143—58.)



1. In a sawing machine embodying a circular saw a fromework supporting such saw and an oscillating holder for presenting the log or the like to be sawn to the saw, a protective or guard system comprising a first element fixed to the framework and adapted to guard or shield a portion of the saw, a second element carried by the holder and so shaped as not to prevent the piece to be sawn from being brought into the proper position for sawing, and a third element hinged to one of said elements and so arranged as to be movable towards the piece to be sawn when in place said elements mutually engaging one another in such a way that during the whole period of oscillation, of the holder, the saw is in either direction completely enclosed by the said elements.

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1,566,192. KEY HOLDER. ALBERT JOSEPH FORREST, Chicago, Ill. Filed Jan. 20, 1925. Serial No. 3,697. 2 Claims. (Cl. 224—5.)

2. A flexible, extensible holder consisting of a cylindrical coiled spring, rings associated with the ends thereof, a flexible inelastic limiting connection extending through the spring and connected to the ends thereof, and end caps loosely on the ends of the spring serving

to protect the ends of said connection, the said spring having end eyes and said end caps having inturned end flanges slotted to pass over the eyes.

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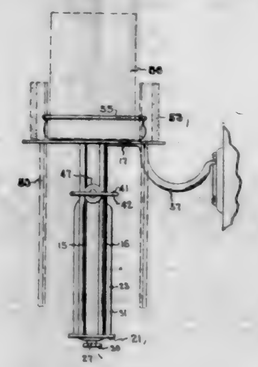
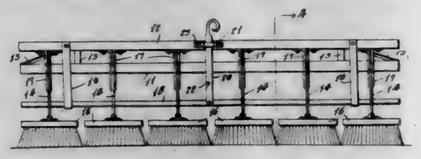
1,566,193. SANITARY PASTE-DISPENSING DEVICE. WILLIAM B. FOSTER, Norwood, and THOMAS E. MANNING, Cincinnati, Ohio. Filed June 19, 1925. Serial No. 38,364. 2 Claims. (Cl. 221—60.)



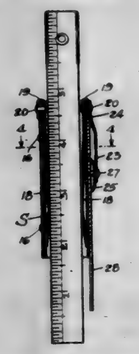
1. In a sanitary paste dispensing device, the combination of a pair of spaced-apart guideways having opposed guiding walls, rollers between said guiding walls, said rollers provided with openings in axial alinement, a support at the lower ends of said guideways for the dispensing end of a paste-tube, a rotary squeezer comprising a pair of shanks having a slot therebetween open at one end, and a handle at the other end of said shanks, said shanks at the open end of said slot arranged to be received endwise through said openings in said rollers and about the butt-end of the paste-tube whereby said butt-end is held between said shanks and arranged in rotative relation between said shanks and between said rollers, and whereby the rotation of said handle causes squeezing of said tube and movement of said rollers lengthwise of said guiding walls.

1,566,194. SWEEPING ATTACHMENT. JAMES M. FREEMAN, Elizabethtown, Pa. Filed Sept. 11, 1924. Serial No. 737,111. 1 Claim. (Cl. 15—78.)



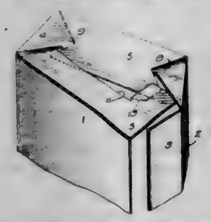
An attachment of the class described comprising an attaching bar, a bar spaced therefrom and rigid therewith and at a higher elevation, U-shaped guides depending from the second mentioned bar, arms passing through said guides and carrying brushes, said arms being pivoted to the first mentioned bar, a lifting bar disposed under said arms, guides for the lifting bar depending from the second mentioned bar and having their openings at a right angle to the openings of the first mentioned guides, and means to secure the lifting bar in elevated position to the second mentioned bar.

1,566,195. TOOL-HOLDING DEVICE. NOEL E. GRANDRAU, Watts, Calif. Filed Apr. 20, 1925. Serial No. 24,709. 7 Claims. (Cl. 24—3.)



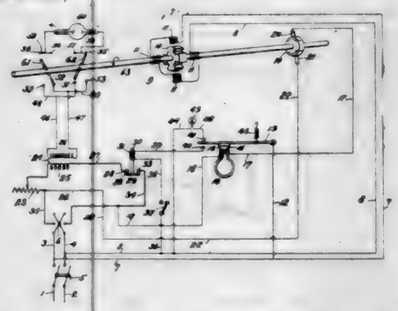
1. A tool holding device comprising a sleeve, a pair of resilient gripping members within the sleeve, and an attaching plate secured with said members to the sleeve by which the latter is attached to the outer wall of a pocket.

1,566,196. FOLDING CONTAINER. GONZALO ANCIRA GARCIA, San Antonio, Tex. Filed May 27, 1924. Serial No. 716,275. 3 Claims. (Cl. 229—39.)



1. A folding box formed of a blank comprising side and end walls, and flaps connected to said walls, each of the flaps having a recess forming a projecting tab, the tab of each flap being adapted to engage with the body portion of the adjacent flap and the tab of the flap which is located at one end of the blank being adapted to be inserted in folded position underneath the flap of the other end of the blank and to become unfolded inside of the box, and interlocking the intermediate flaps between them.

1,566,197. MEANS FOR PROTECTING X-RAY TUBES. HARRY D. GARRETSON, New York, N. Y. Filed Nov. 14, 1922. Serial No. 600,792. 3 Claims. (Cl. 250—34.)



2. In a system of the class described, an X-ray tube, a rectifying switch connected to said tube, a synchronous motor for driving said switch, a transformer having a secondary connected to said rectifying switch and a primary connected to a source of power through a circuit breaking switch and means connecting said circuit breaking switch and the synchronous motor so that all current will be cut off from the primary of said transformer whenever a current in the proper direction does not flow through said tube.

1,566,198. DENTAL X-RAY SYSTEM. HARRY D. GARRETSON, New York, N. Y. Filed Feb. 6, 1924. Serial No. 690,909. 4 Claims. (Cl. 250—34.)

1. In an apparatus of the class described, a transformer, a flexible tube connected to said transformer, an X-ray tube connected to and carried by said flexible tube and means for supplying the X-ray tube with power through said flexible tube.

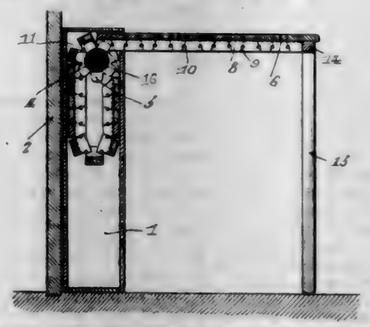
1,566,199. ROACH EXTERMINATOR. THOMAS GASKINS, Jr., Arcadia, Fla., assignor to De Soto Chemical Company, Arcadia, Fla. Filed May 18, 1925. Serial No. 30,039. 1 Claim. (Cl. 43—131.)

A roach or other insect exterminator, comprising a body of a comparatively short length of tubing, said body having diametrically opposed longitudinal openings in the sides thereof which terminate away from the open ends of the tube, adjacent to the bottom thereof,

and having arranged therein a longitudinally extending cake of poisonous food, and by virtue of whose weight the body is at all times sustained in one position.

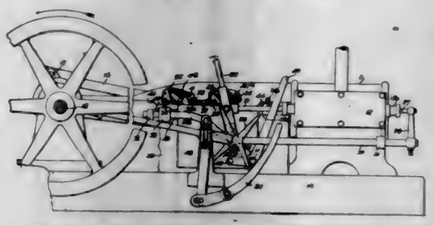


1,566,200. WALL TABLE. NAPOLEON GIARD, St. Michel de Rougemont, Quebec, Canada, assignor to Henry O. Girard, Nashau, N. H. Filed Oct. 11, 1924. Serial No. 743,128. 1 Claim. (Cl. 45—51.)



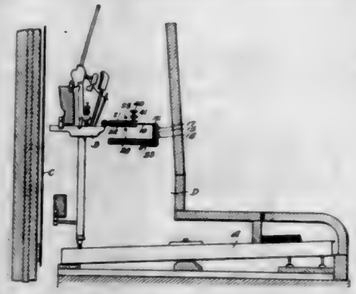
A wall table comprising a box having a slot cut through one of the walls thereof, a shaft journaled within the box, toothed wheels mounted on said shaft, a plurality of slats having brackets secured thereto, pivot pins joining said brackets and adapted for reception between the teeth of said wheels said slats forming an articulated table top adapted to pass through said slot.

1,566,201. STEAM ENGINE. CHARLES R. GIBSON, Cincinnati, Ohio, assignor of one-half to William H. Bruning, Evansville, Ind. Filed May 28, 1921. Serial No. 473,485. 5 Claims. (Cl. 121—146.)



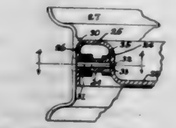
5. In an engine, cut-off valves, auxiliary to the main valve means, operating means for the cut-off valve including a trip element, and means associated with the cut-off valves adapted to be engaged by said trip element for actuating the cut-off valves and positioning them for return movements by the main valve means, a lateral pin on the engine cross head, carrying elements pivotally mounted on said pin, trip members on said carrying elements and adjustable longitudinally to vary the total effective length of the said trip members, cams adjacent to the trip members, members on said trip members adapted to engage said cams at each stroke of the cross head, and means for moving the cut-off valves in a direction opposite to the movement given by the trip member.

1,566,202. ILLUMINATING ATTACHMENT FOR MUSICAL INSTRUMENTS. HUGO A. GILLER, Elmhurst, N. Y. Filed Jan. 2, 1924. Serial No. 684,071. 4 Claims. (Cl. 84—464.)



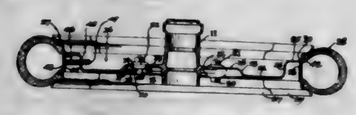
8. A rhythmic illuminating attachment for pianos, organs or similar musical instruments provided into actions for the notes, comprising a circuit including a plurality of lamps corresponding in number to the number of notes of the instrument and arranged in parallel in said circuit, independent circuit closing and breaking elements for each lamp opperable by the movement of the action of the corresponding note, said circuit breaking and closing elements each including a movable contact member and a pair of common fixed contact members, the latter being adjustable for respectively maintaining the circuit to all of the lamps in open condition whereby upon playing of the instrument the circuits to said lamps are broken or in closed condition, whereby upon playing of the instrument, said lamps circuits are closed.

1,566,203. WHEEL AND RIM. FRANK W. GILLMORE, Lorain, Ohio. Filed Aug. 9, 1924. Serial No. 731,108. 15 Claims. (Cl. 301—11.)



1. Means, for securing in position upon a wheel a plurality of rim sections assembled end to end to form a rim, comprising a plurality of members slidably carried by said wheel and each provided with two prongs adapted to engage, upon reciprocation of said member, within two apertures one within each of the abutting ends of two abutting sections, and non-reciprocating screws each adapted to advance and retract one of said members.

1,566,204. WHEEL AND RIM. FRANK W. GILLMORE, Lorain, Ohio. Filed May 28, 1925. Serial No. 33,443. 1 Claim. (Cl. 301—63.)



A disc wheel comprising a disc member and a hub member, one of said members being provided with a plurality of bosses arranged in an annulus about the axis of said wheel and the other of said members being provided with a plurality of recesses arranged in a corresponding annulus and each adapted to receive one of said bosses when said members are in assembled relation, and means for securing said members in assem-

bled relation with said bosses seated within said recesses comprising bolts extending through said members at said bosses and recesses and having their disc member engaging faces formed to closely follow the contour of said disc member.

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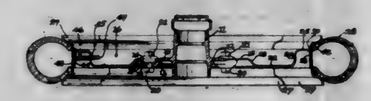
1,566,205. WHEEL AND RIM. FRANK W. GILLMORE, Lorain, Ohio. Filed May 28, 1925. Serial No. 33,444. 5 Claims. (Cl. 301—63.)



3. A disc wheel comprising an annular band substantially parallel to the median plane of the wheel and extending from a radius less than that of the tip of the valve stem of the tire to a radius greater than that of the tip of the valve stem of the tire and disposed rearwardly of the median plane of the tire, and a cylindrical rim supporting felloe portion integral with the disc body of the wheel and connected to said body portion by a portion substantially parallel to said body portion and a portion substantially parallel to said felloe portion.

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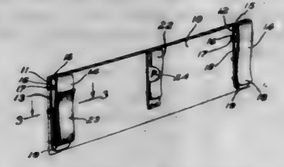
1,566,206. GARMENT SUPPORTER. CHARLES A. GREENE, New York, N. Y. Filed Jan. 27, 1925. Serial No. 5,140. 2 Claims. (Cl. 241—9.)



1. As a new article of manufacture a supporting device for waistband and other garments comprising a strip of elastic contractile material, hooked elements at the opposite ends of said strip including pairs of spring fingers between which the waistband is adapted to be clamped, and a series of teeth outstruck from one finger of each hooked element for biting engagement with the garment waistband, whereby upon engaging the hooked elements with circumferentially spaced points of the garment waistband with the strip under tension, a circumferential contraction of the garment waistband is effected, and a slack produced between said hooked elements and means carried by the medial portion of the strip for engaging said slack to prevent bulging thereof, said means including another pair of spring fingers, one of which is toothed to bite into the slack portion of the waistband.

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1,566,207. RADIUS-ROD ASSEMBLAGE. LEON HARVY GRIGGS, Punta Gorda, Fla. Filed May 29, 1923. Serial No. 642,336. 2 Claims. (Cl. 267—66.)

2. In a rod assemblage of the class described, a ball head provided with diverging screw-threaded arms, tubular radius rods having their ends internally threaded, one end of the rods screwing on the arms of the ball head, nuts on said arms and engaging the ends of the radius rods, and extension rods having their ends screw threaded, one end of each rod screwing into a radius rod and its other end provided with a nut.

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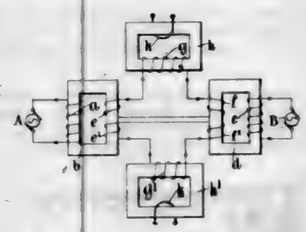
1,566,208. ELECTRIC RESISTANCE WELDING. CECIL ALLARTON HADLEY, Inverness, Scotland. Filed July 8, 1924. Serial No. 724,901. 4 Claims. (Cl. 219—4.)



2. An electric resistance welding system comprising a plurality of transformers, a plurality of primary windings, one on each of said transformers, and a plurality of sources of supply of alternating current connected one to each primary winding, a plurality of sets of secondary windings on the transformers with the windings of each set arranged in series, the winding of the respective sets on one transformer being in the relatively same direction and the winding of the respective sets on the other transformer being in the relatively opposite direction, and a plurality of welding means each including a winding, one set of such secondary windings being opposed to the second set of such secondary windings, whereby when one welding means is receiving maximum current the other is receiving minimum current.

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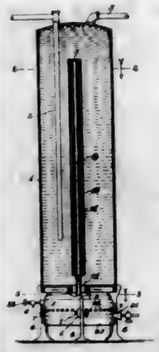
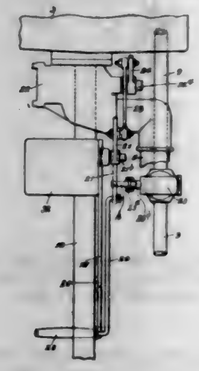
1,566,209. WATER HEATER. JOHN GEORGE HAUS, Weirton, W. Va. Filed Apr. 22, 1924. Serial No. 715,258. 1 Claim. (Cl. 122—18.)



A water heater, comprising upper and lower plates, a partition connecting said plates and forming a thin circuitous water chamber or passage having its inlet and outlet at its outer and central portions, said heater having a depending apron perforated adjacent the lower plate of the heater and adapted to receive a burner confined within the apron, said perforations constituting an outlet for air admitted through the bottom of the open apron, lugs projecting radially from the apron, and means for adjustably securing said lugs to the legs of a boiler.



1,566,210. APPARATUS FOR DELIVERING MEASURED VOLUMES OF LIQUID. JOHN RAYMOND STUART HAWKER, ALEXANDER HENRY HAYES, HERBERT WILLIAM SMITH, RALPH VERNON SMITH, and ISAAC CLAUDE VICTOR SMITH, Nottingham, England. Filed Dec. 15, 1924. Serial No. 756,048. 2 Claims. (Cl. 221—100.)



1. In a liquid measuring and dispensing device, a chamber having liquid inlet and discharge conduits conducted therewith, vacuum producing means connected with said chamber, means to vent said chamber, a single valve controlling the inlet of liquid to and the outlet of liquid from said chamber, said valve normally establishing communication between said inlet conduit and said chamber and denying communication between said chamber and said outlet conduit, means automatically operating said valve to a position where it cuts off communication between said chamber and said inlet conduit while continuing to deny communication with said outlet conduit when a predetermined volume of liquid has entered said chamber, releasable means to hold said valve in such position, and means operating automatically upon release of said holding means to move said valve to establish communication between said chamber and said outlet conduit.

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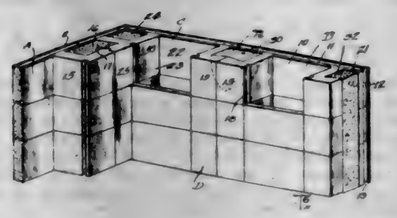
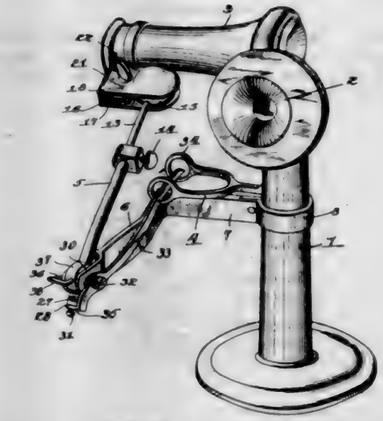
1,566,211. BLOCK AND WALL STRUCTURE. TASKER HENDERSON, Des Moines, Iowa. Filed Apr. 7, 1924. Serial No. 704,756. 2 Claims. (Cl. 72—29.)



1. A structure forming a thin wall with spaced pillars comprising courses of blocks each having at its ends lateral extensions provided in their upper parts with pockets tapered toward the ends of the block, the pockets of the successive blocks in each course being adjacent to each other and having a plastic binder and filler.

1,566,212. TELEPHONE ATTACHMENT. FAIRFIELD HOBAN, Brooklyn, N. Y., assignor to Hoban Receiver Holder Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 12, 1921. Serial No. 444,415. 2 Claims. (Cl. 179—149.)



1. In a telephone attachment, the combination with a bracket and means for holding it in forwardly extending, associated relation with a telephone instrument, of a receiver carrying arm pivoted on the front end of the bracket and swinging between a position upwardly and rearwardly of said bracket and a position forwardly and upwardly of said bracket, a lever fulcrumed on the front end of the bracket and extending rearwardly alongside the same in a position to engage the receiver hook of an instrument, and means carried by the lower end of the receiver carrying arm and operating on the front end of the lever for moving the lever.

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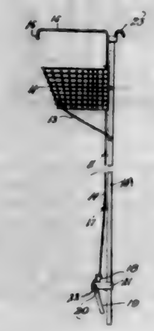
1,566,213. LOWERING DEVICE. OSCAR T. HOBERG, McKeesport, Pa. Filed Feb. 9, 1923. Serial No. 618,091. 1 Claim. (Cl. 294—22.)



A device of the character described comprising a pole, a basket supported thereon at a point adjacent the upper end thereof, a rod mounted for longitudinal movement on the pole and including a right angularly disposed upper end portion arranged above the basket and projecting beyond the outer side thereof, the free end of said angular portion being down turned, a bracket secured to the pole adjacent the lower end thereof, a

bell crank lever pivoted on said bracket and having one end connected with the adjacent end of the rod, whereby the latter is elevated when the lever is depressed, and resilient means interposed between the pole and the lever to automatically return the latter to normal position.

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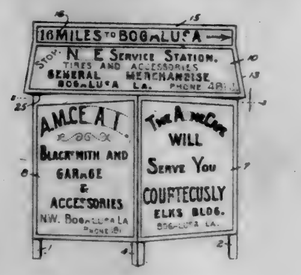
1,566,214. TWO-WAY ROAD SIGN. SAM LEE JONES, Covington, and SAMUEL LILLARD DENNISON, Mandeville, La. Filed Feb. 2, 1925. Serial No. 6,358. 3 Claims. (Cl. 40—125.)




1. A road sign comprising a plurality of walls; two oppositely disposed supports for the sides of said sign; two oppositely disposed supports for the ends of said sign said end supports extending higher than said side supports; and a roof comprising two surfaces intersecting substantially in the plane of the tops of said end supports, the lower edges of said roof lying substantially in the plane of the tops of said side supports and said walls, said roof overhanging said walls and fastened to said supports.

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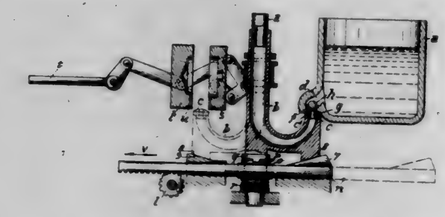
1,566,215. CASTING MACHINE. ALBERT KAUFMANN, Berlin, Germany. Filed June 9, 1924. Serial No. 718,926. 18 Claims. (Cl. 22—69.)



1. A casting machine comprising a mold, a crucible for fused metal having an outlet port, a casting reservoir arranged exteriorly of the crucible and movable relatively thereto and into register with said port to receive metal from below the surface of the metal in the crucible, said reservoir being also movable into contact with the mold, and means for acting on said reservoir with compressed gas to discharge the metal from the reservoir into the mold.

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1,566,216. WINDSHIELD-CONTROL DEVICE. JOHN R. KING, Ruthven, Iowa. Filed Sept. 17, 1923. Serial No. 663,704. 3 Claims. (Cl. 296—94.)

1. In combination with a hinged windshield, a windshield control device comprising a dash plate having a pair of spaced flanges adapted to be secured to a dash of an automobile having a vertical slot therein, a connector member fixed to the windshield, a sliding plate mounted on said dash plate, a bolt extending through said sliding plate and received in said slot for locking said sliding plate relative to the dash plate, said bolt having its head received between said flanges, and a control bar hingedly connected at its ends to said connector member and to said sliding plate.

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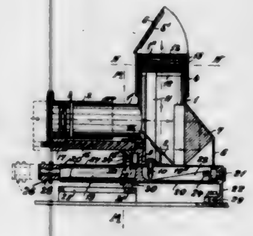
1,566,217. FOCUSING DEVICE FOR PHOTOGRAPHIC CAMERAS. JOHANNES KRONE, Vienna, Austria, assignor of one-half to Ernst Sander, Vienna, Austria. Filed Dec. 7, 1921. Serial No. 520,758. 12 Claims. (Cl. 95—44.)



1. A focusing device for photographic cameras, comprising in combination, an objective lens, a compartment containing an opal glass screen and surfaces for deflecting the rays of light onto the said screen, a screw rotatably secured to the said compartment and provided with a steep and a flat screw thread, the flat screw threaded part of the said screw being connected with the objective lens in order to adjust the latter, means for rotating the screw, the said means being disposed parallel to the said screw and being adapted to be connected to and adjusted by the adjustment of the objective lens of the photographic camera and further being connected with the said screw in order to rotate during its adjustment the latter and thereby adjust the objective lens of the focusing device, the pitches of the two screw threads being chosen in such a manner, that the adjustment of the objective lens of the focusing device is in proper relation to the adjustment of the objective lens of the photographic camera.

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1,566,218. DENTIFRICE. JOHN T. LELAND, Herman, Minn. Filed Aug. 17, 1922, Serial No. 582,492. Renewed Oct. 21, 1925. 7 Claims. (Cl. 167—9.)

1. A dentifrice consisting of two separate compounds one containing iodine and the other containing a sodium compound, adapted to react on contact, to produce sodium iodide.



5. A dentifrice consisting of two separate compounds one containing iodine and prepared chalk, the other containing a sodium salt, starch and soap, adapted on contact to produce a compound containing sodium iodide and iodide of starch.

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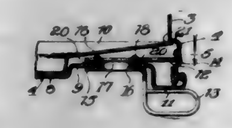
1,566,219. BIRDCAGE. LEWICKI J. LEON, Chicago, Ill. Filed Jan. 10, 1925. Serial No. 1,576. 11 Claims. (Cl. 119—17.)



6. In a bird cage base, the combination with a marginal wall and a separable bottom wall, of latch means for releasably connecting said walls together and comprising a latch member inside of the bottom wall, an actuating member on the outside of said bottom wall and having an upstanding flange extending through a hole in the bottom wall beneath the latch member, said actuating member having oppositely disposed tongues extending upwardly from said flange and into slots in the latch member for connecting the latch and actuating members together.

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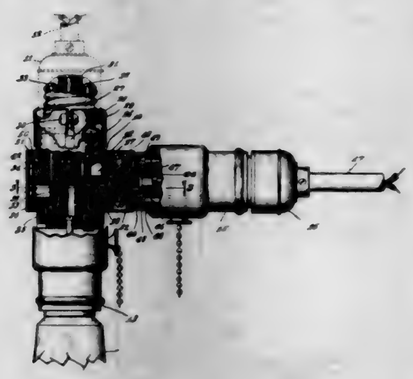
1,566,220. SWIVEL LAMP FIXTURE. GUSTAVUS LILLY, Indianapolis, Ind. Filed Oct. 30, 1922. Serial No. 597,796. 14 Claims. (Cl. 173—334.)



1. An electric-light fixture, comprising a member having a plurality of laterally spaced longitudinally extending electrical conductors therein, a plurality of longitudinally spaced outwardly spring-pressed contacts each of which is in contact with one of said longitudinal extending conductors but insulated from the other conductors and contacts, a second member rotatable on said first member, and a plurality of contacts which are carried by said second member and each of which slides on and is spring-pressed upon by one of the contacts of said first member as the second member is rotated.

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1,566,221. VACUUM-JACKETED METALLIC RECEPTACLE. FRANCIS LLOYD LINDEMUTH, Babylon, N. Y., assignor to Niagara Electrolytic Iron Company, Inc., a Corporation of New York. Filed June 4, 1925. Serial No. 34,778. 3 Claims. (Cl. 220—10.)

1. A vacuum-jacketed metallic receptacle having inner and outer metallic walls joined together to provide a space between them which is evacuated, the inner surface of the inner wall being plated with chromium to provide thereon a smooth, sanitary coating fully protecting the metal from which the wall is made against attack of a substance contained within the receptacle.

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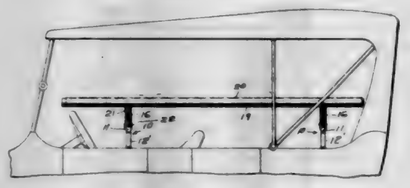
1,566,222. FOLDING BED OR COT. JOHN M. LINE, Springfield, Mo. Filed Sept. 17, 1924. Serial No. 738,177. 2 Claims. (Cl. 5—118.)



1. In a cot or bed for use in connection with an automobile comprising a pair of transverse bars to be supported above the upper edge of the body of the automobile, extension feet arranged beneath and adjacent to the ends of said bars, a pair of links pivotally connected with each of the extension feet and pivotally connected with the adjacent end of the transverse bar, said feet being movable from one position to another in facial abutment with the transverse bars and adapted, when projected, to extend beyond the outer terminals of the transverse members, legs carried by the transverse bars, and a bottom supported by said legs.

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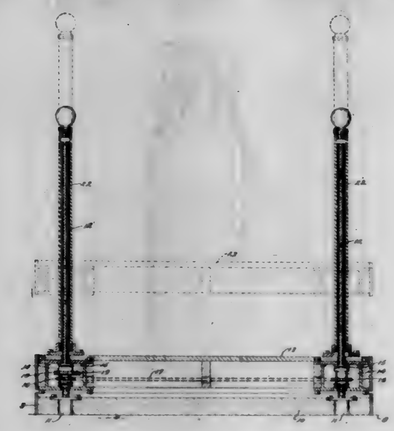
1,566,223. MUSICAL-INSTRUMENT ELEVATOR. FLORIAN F. MANOR, Oshkosh, Wis., assignor to Bartola Musical Instrument Company, Oshkosh, Wis., a Corporation of Wisconsin. Filed May 10, 1924. Serial No. 712,312. 7 Claims. (Cl. 187—25.)

5. A musical instrument elevator, comprising upstanding threaded standards, a vertically movable musical instrument platform through the corner portions of which the standards extend, tubular posts mounted on

and moving with the platform and extending around and covering the standards, nuts threaded on the standards and journaled in said platform, said nuts pro-



vided with sprocket wheels, a sprocket chain engaging the sprocket wheels, and means carried by the platform for rotating the shafts to raise or lower the platform.

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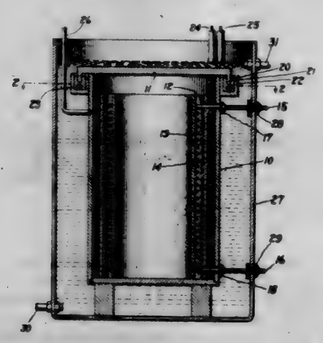
1,566,224. FURNACE. WESLEY F. MASSEY, Ballston Spa, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 12, 1924. Serial No. 719,688. 4 Claims. (Cl. 263—49.)



4. The combination with an electric furnace provided with a metallic casing, a cover for said casing, a mass of solder forming a sealed joint between said casing and cover, a receptacle for said solder, and a sheathed electric heating unit in said receptacle, whereby said solder may be melted to release said cover.

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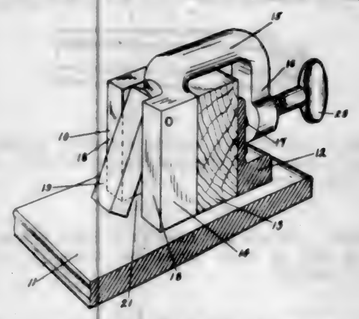
1,566,225. GAUGE. EMMETT L. MILLS, Jamestown, N. Y. Filed Mar. 24, 1923. Serial No. 627,260. 1 Claim. (Cl. 143—174.)

A gauge adapted to be mounted adjustably on a support having a fixed guide and a block in front of said guide, said gauge comprising a main portion which rests on said support in front of said block, an arm which extends over said block and guide, a wingbolt in said arm whereby said block and guide are clamped between said wing-bolt and the main portion of the gauge, said main portion having a pair of vertical uprights, a dog piv-



otally supported by and in the space between said uprights, and a spring normally acting to force the free end of said dog out of the space between said uprights.

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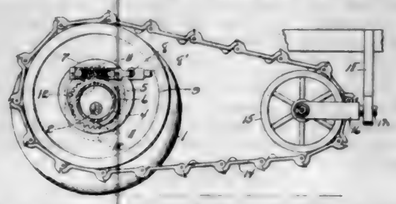
1,566,226. DUAL WHEEL. DABNEY P. OWENS, Lake Worth, Fla. Filed July 19, 1924, Serial No. 727,061. Renewed Nov. 9, 1925. 6 Claims. (Cl. 301—47.)



2. In a vehicle, a main wheel and an auxiliary wheel, means for moving the auxiliary wheel vertically to cause it to engage and disengage the ground, means for locking the auxiliary wheel to the main wheel when the auxiliary wheel is in lowered position and an endless tractor element passing over the auxiliary wheel and an idler for said element.

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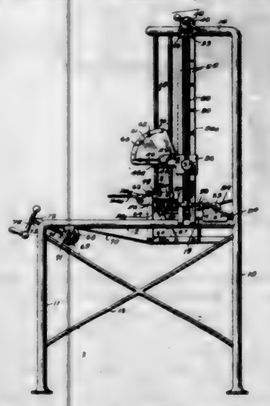
1,566,227. COIL SPREADER. JOHN WILLIAM PLEASANT, Valley Junction, Iowa. Filed Mar. 26, 1924. Serial No. 702,039. 17 Claims. (Cl. 153—16.)



1. In a coil spreader, a frame, a pair of jaws mounted thereon for lateral adjustment, a rod, means for supporting and vertically adjusting said rod, comprising a



pair of upright spaced screw-threaded rods, internally screw-threaded brackets non-rotatably mounted on said screw-threaded rods, and guides for said brackets, said brackets supporting said first rod, and means for simultaneously rotating said screw-threaded rods, operatively connected with the upper ends of said screw-threaded rods, a second pair of jaws ajustably mounted on said first rod, and means for swinging the second pair of jaws.

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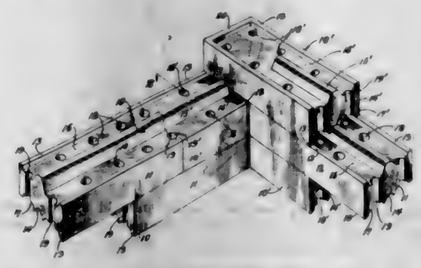
1,566,228. WALL CONSTRUCTION. JOHN F. RYAN, Woodbridge, N. J. Filed Aug. 1, 1924. Serial No. 729,590. 5 Claims. (Cl. 72—88.)



1. In a wall construction, a plurality of identical corner blocks disposed at right angle to each other, a seat provided on each of said blocks to receive an overlapping portion of the next adjacent block, runner blocks, and interlocking means between said corner blocks and said runner blocks.

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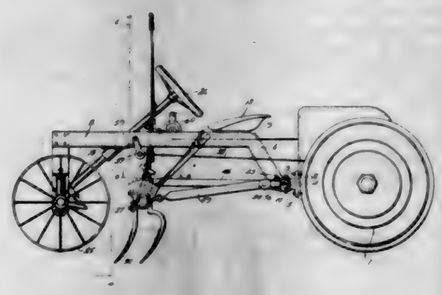
1,566,229. TRACTOR-OPERATED CULTIVATOR. GEORGE H. SCANLAN, New York, N. Y.; Mary G. Scanlan administratrix of said George H. Scanlan, deceased. Filed Feb. 27, 1920. Serial No. 361,815. 5 Claims. (Cl. 97—47.)



1. A cultivator adapted to be fastened to a tractor in advance of the same, comprising a frame, a transverse bar, a sleeve mounted on said bar, means for clamping implements to said sleeve, a foot operated member for shifting said sleeve longitudinally of the bar, said bar extending transversely of the frame and the line of movement of the cultivator, and a spring for automatically returning said sleeve when released, whereby the cultivator is pushed by said tractor.

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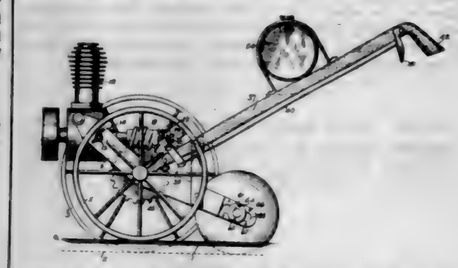
1,566,230. TRACTOR. GEORGE H. SCANLAN, New York, N. Y.; Mary G. Scanlan administratrix of said George H. Scanlan, deceased. Filed Aug. 13, 1921. Serial No. 491,991. 1 Claim. (Cl. 180—19.)

A tractor comprising an engine, a frame pivotally connected with the engine, a pair of traction wheels carried by said frame, a pair of guiding and balancing handles connected with said frame, driving means connected with said traction wheels, said driving means including a gear wheel, a worm meshing with said gear wheel, said



worm being slidably mounted on the crank shaft of said engine, a clutch at one end of said worm for connecting said worm with said crank shaft so as to be rotated thereby and manually actuated means for shifting said clutch.

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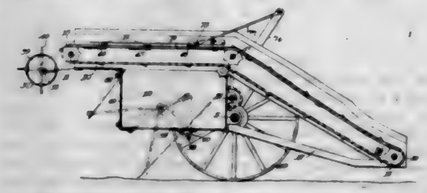
1,566,231. ATTACHMENT FOR POTATO DIGGERS. DANIEL H. SCHLAEGEL, Compton Township, Ottertail County, Minn. Filed Sept. 27, 1921. Serial No. 503,565. 2 Claims. (Cl. 130—30.)



1. In a device of the class described, a framework, a receptacle mounted therein, a conveyor mounted in the framework, for discharging material into the receptacle, vine removing devices extending across the conveyor, and independently movable bars extending parallel with and close to the conveyor, said bars each being pivotally mounted at one end and freely movable at the other end.

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1,566,232. NOZZLE JACK. THIELO B. SCHREITER, San Bernardino, Calif. Filed May 1, 1922. Serial No. 557,584. 1 Claim. (Cl. 248—29.)

A device of the class described comprising a standard formed of sheet metal curved to form a tubular member open at one side and pointed at one end, the opposite end being provided with a pair of ears extending beyond the

tubular portion, a split sleeve pivotally mounted between said ears, means for clamping said sleeve upon a hose, said sleeve being adapted to be swung in a position in axial alignment with said tubular standard and the edges of the open side of said standard being provided with outwardly flared ears to facilitate entry of the hose in said standard when said sleeve is brought into axial alignment therewith, substantially as described.

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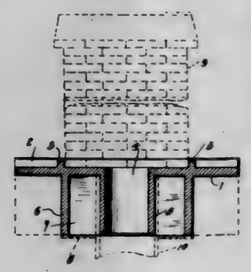
1,566,233. FLUE BASE AND HANGER. WILLIS D. SEPARK, Durham, N. C., assignor to Annie G. Separk, Durham, N. C. Filed July 14, 1923. Serial No. 651,515. 1 Claim. (Cl. 72—95.)



A flue base and hanger comprising an elongated plate having a central opening, longitudinal ribs located at the side edges of and extending throughout the entire length of the plate, transverse ribs spaced inwardly from the ends of the plate and connected to the longitudinal ribs, a collar depending from the bottom side of the plate about the opening therein, and a polygonal rim depending from the bottom side of the plate in substantially vertical alinement with the ribs.

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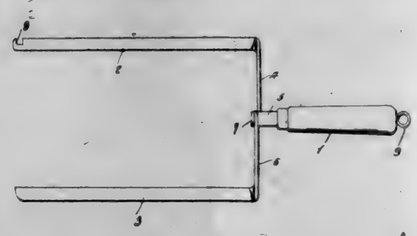
1,566,234. HOT-TIN LIFTER. FRANK A. SEWARD, Bantam, Conn. Filed Feb. 21, 1925. Serial No. 10,869. 1 Claim. (Cl. 294—30.)



A pan lifter comprising two bars, each bar having angularly disposed end portions, one of said end portions being pivoted to the other end portion, the latter end portion being extended rearwardly to constitute a handle shank, and the remainder of the bars extending forwardly to provide arms to engage a pan.

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1,566,235. TOURNIQUET. JOHN HENRY SHEEHAN, Astoria, N. Y. Filed June 27, 1925. Serial No. 40,037. 3 Claims. (Cl. 128—327.)

1. A tourniquet comprising a flexible element adapted to be pased about the member to be bound, a twisting handle element through which both ends of said flexible element are passed to give said flexible element a looped

form, and coacting fastener means on said twisting element and on said flexible strand adapted to engage each other for holding the tourniquet in twisted form.

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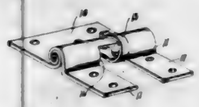
1,566,236. HINGE. ANSOPH SKURDAL, Belmont, Mont. Filed Mar. 21, 1924. Serial No. 700,864. 1 Claim. (Cl. 16—172.)



A hinge comprising a bifurcated plate having one of its edges rolled upon itself, such rolled edge being provided with a cut-out depression, a second plate having one edge transversely curved and having pivotal engagement with the other rolled part, and a leaf spring secured to the last mentioned plate and longitudinally curved and resiliently engaging the first mentioned rolled part whereby to retain the two plates in adjusted position.

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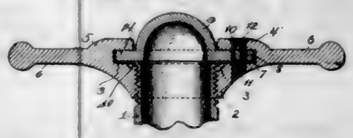
1,566,237. CLOSURE DEVICE. ALBE CARLTON SPALDING, Fort Monroe, Va. Filed Jan. 11, 1923. Serial No. 612,029. 5 Claims. (Cl. 220—24.)



1, A closure for a tubular article comprising a sleeve adapted to fit upon the article and move longitudinally thereon, a cap permanently mounted upon the sleeve in position to extend across the article and movable laterally relative to the sleeve in a plane parallel with a diameter of the sleeve, and means carried by the sleeve to engage and positively clamp the cap at its edge upon the tubular article.

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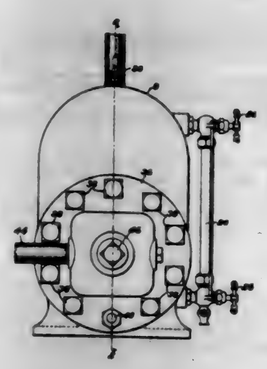
1,566,238. STEAM TRAP. JOSEPH E. SWENDEMAN, Philadelphia, Pa. Filed Mar. 13, 1920. Serial No. 365,590. 3 Claims. (Cl. 137—103.)

2. In a steam trap, the combination of a casing having a float chamber provided with an inlet and a valve seat presenting an outlet from said chamber, a horizontally sliding normally closed valve cooperating with said seat, two levers fulcrumed one above and the other below the axis of said valve and connected therewith to slide



said valve horisontally along said axis, one of said levers carrying a float and the other presenting a weight constantly tending to lift said float.



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1,566,239. TREATMENT OF TRANSPARENT MATERIAL. CHARLES S. SWETT, West Roxbury, and WILLARD E. SWIFT, Worcester, Mass., assignors to United States Envelope Company, Springfield, Mass., a Corporation of Maine. Filed Aug. 31, 1923. Serial No. 660,442. 6 Claims. (Cl. 91—68.)

1. The herein described process of treating transparent panel material, which consists in subjecting the surface of said material to lubricated friction.

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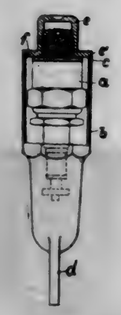
1,566,240. PROTECTIVE CASING FOR RESERVE SPARK PLUGS. WILHELM WALTER, Heidelberg, Germany. Filed Feb. 27, 1925. Serial No. 12,184. 3 Claims. (Cl. 206—16.)



1. An emergency spark-plug carrying device adapted to be mounted on a support comprising a casing having an open end for receiving the body of the plug and a closed end adapted for engagement with a support, and a spark-plug carrying cap member detachably fitted to the open end of the casing and also adapted to engage with the support.

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1,566,241. PROCESS OF PRODUCING MATTE FINISH. WILLIS R. WHITNEY, Niskayuna, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 28, 1924. Serial No. 716,516. 5 Claims. (Cl. 41—42.)

2. The process of producing a matte finish upon an article having a surface layer containing a substantial proportion of normally shiny organic substance which consists in chemically decomposing said organic substance of the surface.

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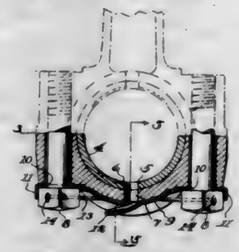
1,566,242. CONNECTING ROD. ALBERT M. WILLCOX, Savannah, Ga. Filed Nov. 20, 1924. Serial No. 751,106. 10 Claims. (Cl. 184—13.)



1. In a connecting rod, a split bearing, studs for securing the bearing together, a plate mounted upon the studs, means carried by the plate for locking the studs in a fixed position, a tongue in the center of the plate, the base of the tongue registering with an aperture in the bearing.

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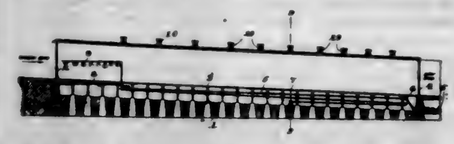
1,566,243. PIPE SYSTEM FOR KILNS. PATRICK M. WILLIAMS, North Wilkesboro, N. C., assignor to Moore Dry Kiln Company, Jacksonville, Fla., a Corporation of Florida. Filed Oct. 15, 1923. Serial No. 668,776. 14 Claims. (Cl. 34—47.)



5. A dry kiln having a heating system therein, a misty vapor spray system located within the kiln below the material being treated, and a second misty vapor spray system located above said first-mentioned spray system.

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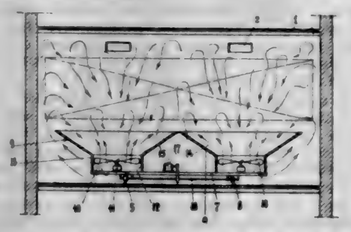
1,566,244. DRYING PLANT. PILADE BARDUCCI, Milan, Italy. Filed Oct. 8, 1923. Serial No. 667,382. 6 Claims. (Cl. 34—19.)



5. In a drying chamber in which the material to be dried is located in the middle zone between the roof and the floor, a travelling carriage, one or more casings carried by said carriage, each casing having a mouth elongated in a direction transverse to the path of travel

of said carriage and opening in front of the space for the material, a second mouth smaller than the first one and joined thereto, and agitating means located in said second mouth.

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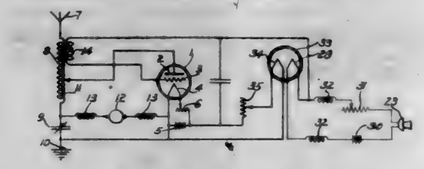
1,566,245. RADIOTELEPHONE SYSTEM. QUINCY A. BRACKETT, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 2, 1921. Serial No. 497,949. 5 Claims. (Cl. 250—17.)



3. In a radio device, a vacuum-tube generator, a grid condenesr associated therewith, a grid leak for said condenser, said grid leak including a pair of electron-emitting electrodes.

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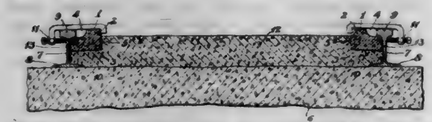
1,566,246. RAILWAY PAVEMENT AND METHOD OF MAKING IT. MATTHEW F. BRAMLEY, Cleveland Ohio. Filed July 18, 1924. Serial No. 726,758. 9 Claims. (Cl. 238—9.)



1. The method of making a railway construction which consists in temporarily supporting elongated rail curbing so as to extend lengthwise alongside of the inner sides of a pair of parallel rails forming a track, and so as to be spaced therefrom, and then supplying an induratable mass of material underneath said curbing.

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1,566,247. PROCESS OF VULCANIZATION OF CAOUTCHOUC. JAMES M. GILLET, Milwaukee, Wis., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 31, 1922. Serial No. 578,787. 15 Claims. (Cl. 18—53.)

1. The method of making a fibrous material which comprises mixing a relatively small quantity of fibers in a rubber solvent, dissolving a relatively small quantity of rubber in said solvent, precipitating the rubber on the fibers, introducing sulphur dioxide and hydrogen sulphide to said liquid, so straining said fibers from the liquid as to effect a matted formation, and drying the mat.

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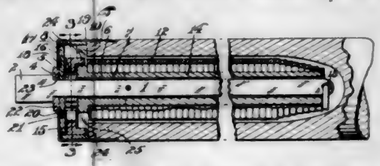
1,566,248. SHADE ROLLER. RALPH T. HENDRICKS and WILBUR C. PATTERSON, Indianapolis, Ind.; said Ralph Hendricks assignor to said Wilbur C. Patterson, Indianapolis, Ind. Filed Aug. 14, 1924. Serial No. 731,971. 4 Claims. (Cl. 156—36.)

1. In a spring shade roller the combination with a shade roller, of a cup secured at one end of said roller to rotate therewith and having radial slots therein, a spear and a ratchet hub on said spear having oppositely and vertically disposed ratchet notches each provided with a straight wall and with an inclined wall, a one piece pawl ring surrounding said hub and having pawls arranged to be dropped by gravity into engagement with said ratchet notches and mounted within said cup, rearwardly extending fingers on said ring operating in said radially disposed notches to prevent the ring from rotating while permitting the same to move vertically relatively to said hub, and a closure cover for said cup.

3. In a shade roller the combination with a spear and a dogging mechanism, of a cover cap mounted on the end of the roller and inclosing said dogging mechanism, said cap having a central aperture for the pro-



jection of said spear, a disc mounted on said spear, stationary with respect to said cap, for closing said opening, said cap and disc having relative movement and said disc and cap having annular interlocking parts for the exclusion of foreign particles from said cover.

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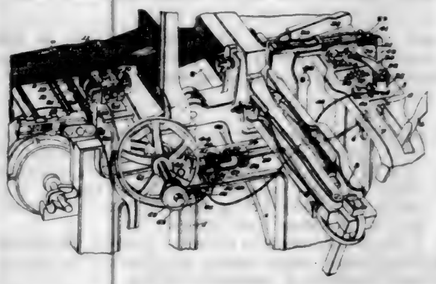
1,566,249. COMBINED WARP AND WEFT STOP MECHANISM FOR LOOMS. HAROLD HOBBER, North Billerica, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 21, 1925. Serial No. 45,014. 10 Claims. (Cl. 139—360.)



1. In a loom, the combination of warp stop mechanism and weft stop mechanism, a controller associated with each of said mechanisms, a single dog adapted to be operatively positioned to stop the loom by either of said controllers, and means actuated by a going part of the loom to actuate the dog when it is operatively positioned by either controller to effect loom stoppage on the backward movement of the lay.

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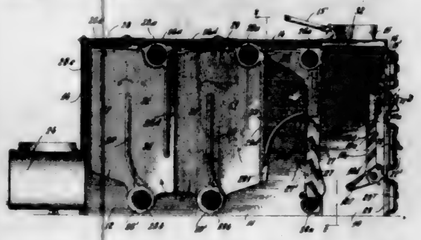
1,566,250. BOILER. FRANK B. HOWELL, Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Feb. 4, 1921. Serial No. 442,369. 15 Claims. (Cl. 110—75.)



1. A boiler comprising a fuel receptacle, flues, a vertical compartment arranged to the rear of said fuel receptacle substantially coextensive in height therewith and provided near its top with air intake openings, and a partition arranged in said compartment dividing the same transversely to form a combustion chamber and an air heating chamber above said combustion chamber;



said partition having a plurality of discharge openings therein for the passage of heated air into said combustion chamber, substantially as specified.

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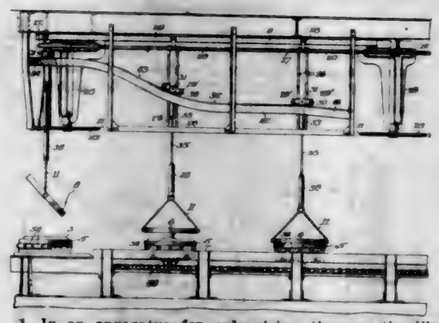
1,566,251. TIRE-VULCANIZING APPARATUS. CARMON A. MYERS, Akron, Ohio, assignor to Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 1, 1918. Serial No. 247,770. 23 Claims. (Cl. 198—19.)



1. In an apparatus for vulcanizing tires or the like, the combination of a series of vulcanizers, a loading station and an unloading station, a conveyor leading from said loading station to said vulcanizers and to the unloading station and means for opening the molds while they are moving and before they reach the unloading station.

6. In an apparatus of the character set forth, an open top vulcanizer in which a plurality of molds may be received, conveying mechanism at the side of the vulcanizer, a mold moving element on the conveying mechanism, and means movable in synchronism with the conveyor to raise and lower the mold lid while the mold is in motion.

8. In an apparatus of the character set forth, an open top vulcanizer, a horizontal conveyor at the side of the vulcanizer, means for moving a mold on the conveyor, a second conveyor above the first conveyor, means to move the two conveyors in synchronism, a lid carrying device of the second conveyor, and means to raise and lower the device during the movement of the conveyor.

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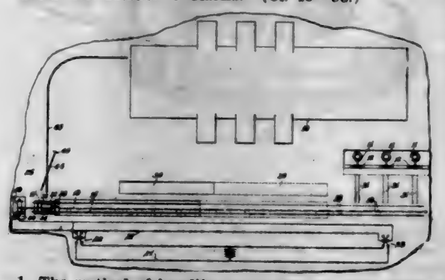
1,566,252. METHOD OF AND APPARATUS FOR HANDLING CAVE GLASS IN DRAWING OPERATIONS. CHARLES A. SMITH, Independence, Kans., assignor to The National Sash and Door Company, Independence, Kans., a Corporation of Kansas. Filed Feb. 24, 1925. Serial No. 11,116. 9 Claims. (Cl. 49—53.)



1. The method of handling cave glass in glass drawing operations, comprising the draining of a glass receptacle under the action of heat, the deposit of said glass in a plastic condition into a receptacle, the transfer of said receptacle with the still plastic glass from the draining station to a melting tank, and the deposit of said glass in a plastic condition into said melting tank.

1,566,253. CAPPING HORSE. CHARLES A. SMITH and HERBERT L. HILLYARD, Independence, Kans., assignors to The National Sash and Door Company, Independence, Kans., a Corporation of Kansas. Filed Feb. 28, 1925. Serial No. 12,214. 16 Claims. (Cl. 49—14.)

1. A capping horse for glass cylinders comprising a plurality of carriers arranged in a longitudinal series and each capable of supporting a segregated cylinder section, a transverse fulcrum for each carrier, and a series of fulcrumed beams each supporting a plurality of said transverse fulcrums.

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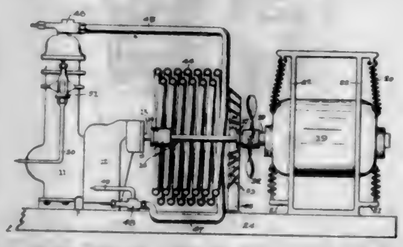
1,566,254. DRIVE UNIT. CHARLES C. SPREEN, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed Oct. 2, 1923. Serial No. 666,087. 2 Claims. (Cl. 64—99.)



1. In combination, a first device, a second device, a normally rigid shaft drive connecting said devices, means resiliently supporting at least one of said devices to permit translatory movement of said device perpendicularly of the axis of said shaft drive, and means interposed in said drive adapted to permit such movement in any direction and to also permit operation of one of said devices independently of the other device when the operation resisting torque of such other device reaches an abnormal value.

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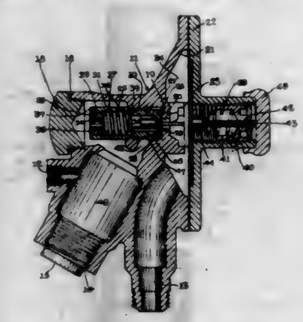
1,566,255. REFRIGERATING APPARATUS. CHARLES C. SPREEN, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed Oct. 13, 1923. Serial No. 668,358. 1 Claim. (Cl. 50—23.)



An expansion valve, comprising a diaphragm, a casing member having a portion of appreciable thickness and an aperture through said portion, and having also an inner face concentric with said aperture and formed and arranged to closely engage one face of said diaphragm except over the area of said aperture, a spring disposed

within said aperture having one end engaging the exposed portion of said face of said diaphragm and normally effective to move said diaphragm from said member, an abutment engaging the remote end of said spring, adjustably mounted in said aperture, and itself provided with a bore therethrough, an instrument extending through said bore and engaging said diaphragm and effective to forcibly move said diaphragm from said member, and means arranged to normally overlie said bore and said instrument removable to permit operation of said instrument.

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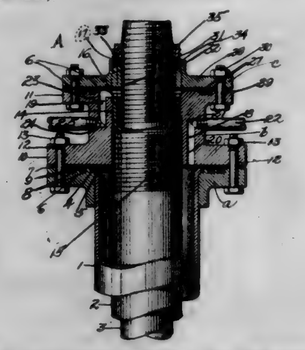
1,566,256. CASING CLAMP. WILLIAM A. TROUT and CHARLES R. BUTLER, Long Beach, Calif., assignors of one-third to Chester A. Rasmussen, Long Beach, Calif. Filed Apr. 11, 1922. Serial No. 551,465. 9 Claims. (Cl. 166—14.)



2. A well construction including the outer casing having at the top a fastening base, a string of tubing extending into the casing and provided at the top with a threaded portion of greater extent than the extent of the normal take up in the slack in the string of tubing, and a supporting member having an adjustable play on said threaded section of the tubing corresponding to the extent of the slack to be taken up therein and adapted, when the slack is removed from the tubing, to be rigidly secured to said fastening base.

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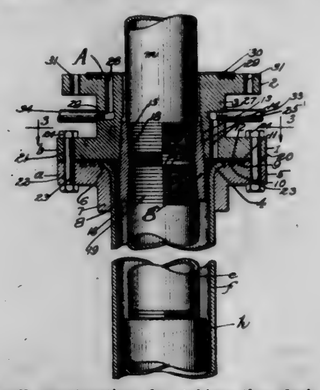
1,566,257. CASING CLAMP. WILLIAM A. TROUT, Los Angeles, Calif., assignor of one-third to Chester A. Rasmussen and one-third to Charles R. Butler, both of Long Beach, Calif. Filed Oct. 15, 1923. Serial No. 668,698. 5 Claims. (Cl. 166—14.)



3. A well construction for taking the slack out of tubing strings and suspending the same in position, comprising tubing engaging members having bores of different diameter and provided with external offset flange portions, means for forming a gas tight joint between said flange portions, and the bores of said members being internally threaded, a member double-threaded interiorly and also provided with external threads whereby adjacent tubing sections may be connected by the internal double threaded portion of said member and then the external threaded portion of said member may be connected with the interior threads of the bore of one of said tubing engaging members.

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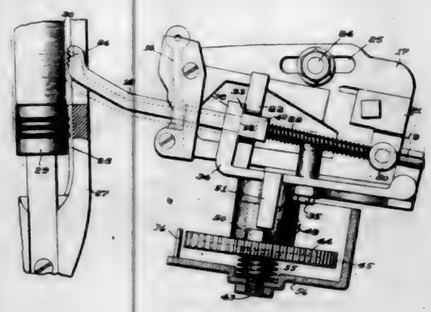
1,566,258. FEELER MECHANISM FOR LOOMS. GEORGE H. WILLARD, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 28, 1925. Serial No. 46,534. 12 Claims. (Cl. 139—270.)



1. In a feeler mechanism for looms, the combination of a feeler, a feeler holding detent for holding the feeler in a frontward position, means for causing the feeler to swing laterally into an inoperative position beyond the reach of the filling where it is held by the detent during its periods of inactivity, a lock for holding the feeler from lateral movement in either direction during its periods of inactivity, and means of freeing the feeler from the detent and lock at intervals.

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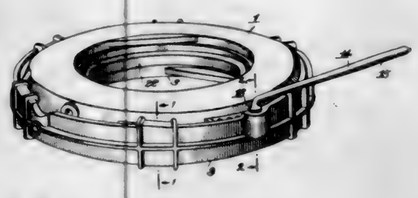
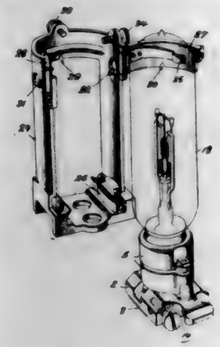
1,566,259. TIRE MOLD. ARTHUR REID COLVIN, Bloomfield, N. J. Filed Mar. 10, 1925. Serial No. 14,509. 7 Claims. (Cl. 18—43.)



1. A tire mold comprising upper and lower mold sections, an annular section forming therewith an interior cavity for the reception of a tire to be vulcanized, said upper and lower sections being provided on their peripheral faces with equally spaced, outwardly extending projections, the projections on the upper section being arranged in superposed and staggered relation with reference to the projections on the lower section when the sections are mated, and an annular ring fitting circumferentially about the said upper and lower sections and adapted to engage said projections to lock the sections together.



1,566,260. LIGHT-FOCUSING APPARATUS. CROMWELL A. B. HALVORSEN, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 30, 1922. Serial No. 571,966. 11 Claims. (Cl. 88—24.)



5. In combination with an optical system, a lamp, mounting means for said lamp, means for moving the lamp in one direction, means for moving the lamp at right angles thereto, means for rotating the lamp in one plane and means for rotating the lamp at right angles to the first plane.

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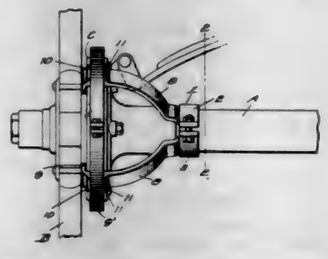
1,566,261. EMERGENCY-WHEEL-SUPPORTING DEVICE. PHILIP LA DELFA, Cuylerville, N. Y. Filed Nov. 7, 1924. Serial No. 748,420. 1 Claim. (Cl. 301—111.)



Means for preventing the lateral displacement of the drive wheel of a vehicle with respect to the axle housing comprising a band adapted to encircle the axle housing, arms extending laterally and diverging outwardly from said band, the outer ends of the arms terminating in inwardly extending fingers, said fingers being adapted to be disposed between the drive wheel and the brake drum associated therewith to permit the drive wheel to rotate, a pair of spaced lugs extending outwardly from each arm adjacent its finger, and a locking band encircling said arms and disposed between the lugs on each arm for preventing the outward movement of the fingers with respect to the wheel and the brake drum.

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1,566,262. HAMPER. FRANK D. LANDER, Jr., Highland Park, Ill. Filed Sept. 28, 1922. Serial No. 591,086. 5 Claims. (Cl. 217—122.)

1. A hamper comprising a bottom having straight sides and curved ends, an elliptical hoop, and veneer panels connecting the sides and ends of the bottom with with the hoop, the major axes of the bottom and the hoop being in the same vertical plane, the ends of the bottom being of less convexity than the ends of the hoop to provide an increased bottom area and to position the connecting end panels to better resist lateral compression.

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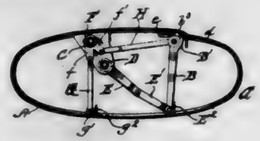
1,566,263. APPARATUS FOR MOLDING HOLLOW CONCRETE WALLS. AXEL G. W. WEDBERG, Floral Park, Long Island, N. Y. Filed May 3, 1920, Serial No. 378,533. Renewed Nov. 22, 1921. Serial No. 517,152. 17 Claims. (Cl. 25—131.)



1. A collapsible form for molding hollow concrete walls embodying a body formed of a substantially continuous shell, and means on the edge portions of said body for limiting the movement of said edge portions so as to preclude a relative separating movement between said edge portions and the formation of an opening or space intermediate said edge portions, in combination with operating means for expanding and contracting said body.

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1,566,264. WELL-PUMPING MECHANISM. HARRY F. RANDOLPH, Pittsburgh, Pa.; Agnes Porter Randolph, executrix of said Harry F. Randolph, deceased, assignor to Agnes Porter Randolph, Pittsburgh, Pa. Filed Sept. 21, 1922. Serial No. 589,539. 3 Claims. (Cl. 74—14.)

1. In deep well pumping mechanism, the combination with a pumping cable of a drum to which said cable is attached, a rotator power-driven in a constant direction, crank connections between said rotator and said drum whereby the constant rotation of the rotator oscillates the drum in opposite directions whereby the cable is alternately wound up and unwound on said drum, said rotator being provided around its axis with a series of radially disposed and progressively spaced wrist pin connections for varying the throw of the crank connections whereby the arc of the drum's movement may be adjusted.

Patents Nos. 1,566,265 to 1,567,024.

# THE OFFICIAL GAZETTE

OF THE

# United States Patent Office.

Vol. 341—No. 4. TUESDAY, DECEMBER 22, 1925. Price—$5 per year.

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| Patents | 760—No. | 1,566,265 to No. | 1,567,024, inclusive. |
| Total | 1,125 | | |

## Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Dec. 11, 1925.*

*Son Brothers & Co., their assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of The Yale and Towne Mfg. Co., 9 East Fortieth Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Son Brothers & Co., doing business at 2124 Broadway, San Francisco, Calif., and in Meriden, Conn., under the name of Yale Cutlery Co., No. 58,930, dated December 25, 1906, and the notice of such proceeding sent by registered mail to the said Son Brothers & Co. at the said addresses having been returned by the post office as undeliverable, notice is hereby given that unless said Son Brothers & Co., their assigns or legal representatices, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

## Interference Notices.

U. S. PATENT OFFICE, *Washington, Dec. 5, 1925.*

*Continental Candy Company, its assigns or legal representatives, take notice.*

An interference has been declared by this Office between the application of Hawley & Hoops, of 271 Mulberry Street, New York, N. Y., for registration of a trade-mark and trade-mark registered June 15, 1913, No. 92,571, to Novelty Candy Company, of 346 Claremont Avenue, Jersey City, N. J. The assignment records of this Office show that said trade-mark was assigned to Continental Candy Company, of 37 Wall Street, New York, N. Y., and because of prima facie evidence in the record to the effect that Continental Candy Company is no longer in business, notice is hereby given that unless said Continental Candy Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Dec. 8, 1925.*

*Hudson Condensed Milk Co., Inc., its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of The United Dairy Company Inc., Barnesville, Ohio, for registration of a trade-mark and trade-mark registered February 23, 1915, No. 102,799, to Hudson Condensed Milk Co., Inc., 81 Fulton Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Hudson Condensed Milk Co., Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Hudson Condensed Milk Co., Inc., shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Dec. 4, 1925.*

*Charles C. Copeland & Co., its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Spartan Mills, Spartansburg, S. C., for registration of a trade-mark and trade-marks registered March 19, 1907, No. 61,488, and April 2, 1907, No. 61,700, to Charles C. Copeland & Co., 45 Worth Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Charles C. Copeland & Co. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Charles C. Copeland & Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Dec. 4, 1925.*

*Fulfashon Hosiery Company, its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Wm. Hahn & Co., Seventh and K Streets NW., 1318 G Street NW., 414 Ninth Street NW., Washington, D. C., and also 37 West Lexington, Baltimore, Md., for registration of a trade-mark and trade-mark registered Sept. 14, 1920, No. 134,651, to Fulfashon Hosiery Company, 288 Fourth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said Fulfashon Hosiery Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Fulfashon Hosiery Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

## Condition of Applications Under Examination at Close of Business December 11, 1925.

| Room No. | (Total number of applications awaiting action, excluding Trade-Mark Division, 39,610; Trade-Mark Division, 1,958. Oldest new case, May 27, 1925; oldest amended, June 1, 1925. The dates given are 1925.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS. | Oldest new application and oldest action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
|---|---|---|---|---|
| 112 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders. | Sept. 28 | Oct. 3 | 572 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | July 20 | June 19 | 537 |
| 331 | 3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | Oct. 16 | Sept. 9 | 510 |
| 234 | 4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists. | Sept. 12 | Sept. 22 | 481 |
| 108* | 5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | July 11 | July 11 | 844 |
| 318 | 6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | Aug. 24 | Sept. 7 | 971 |
| 106 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | Sept. 21 | Sept. 18 | 750 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture | Sept. 19 | Sept. 21 | 1,193 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | Aug. 20 | July 27 | 603 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | Aug. 20 | Sept. 15 | 900 |
| 143* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | Sept. 12 | Sept. 11 | 738 |
| 380 | 12. PIERCE, P. P., Machine Elements | Aug. 21 | Aug. 24 | 667 |
| 154* | 13. CLIFT, J. W., Belt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | June 2 | July 6 | 794 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | July 27 | Aug. 20 | 822 |
| 329 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | Sept. 18 | Sept. 21 | 647 |
| 242* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | Aug. 7 | Aug. 18 | 889 |
| 307 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | Sept. 16 | Sept. 28 | 364 |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | July 17 | July 10 | 733 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | Aug. 12 | Oct. 9 | 463 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches, Safes; Undertaking | Sept. 14 | Sept. 21 | 683 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | Aug. 14 | Sept. 14 | 461 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Oct. 3 | Oct. 6 | 390 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | July 10 | Aug. 14 | 350 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Oct. 3 | Oct. 20 | 343 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | Sept. 4 | Sept. 17 | 712 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | June 12 | July 3 | 732 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | Oct. 14 | Oct. 21 | 482 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Oct. 12 | Oct. 12 | 671 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | May 27 | June 1 | 1,029 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | Sept. 11 | Oct. 1 | 889 |
| 312 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | Oct. 14 | Sept. 30 | 646 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | Aug. 12 | Aug. 14 | 581 |
| 152 | 33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Oct. 14 | Oct. 14 | 628 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders. | Aug. 3 | Aug. 6 | 648 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | Sept. 12 | Sept. 22 | 612 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | Aug. 6 | Sept. 2 | 993 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | Aug. 7 | July 30 | 822 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells. | July 8 | July 17 | 853 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | Sept. 2 | Oct. 5 | 410 |
| 269 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | Aug. 24 | Aug. 27 | 1,158 |
| 125 | 41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | Sept. 8 | Sept. 9 | 418 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling | July 11 | July 14 | 1,246 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | Sept. 5 | Sept. 15 | 706 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | July 2 | June 9 | 822 |
| 379 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | Sept. 11 | Sept. 17 | 572 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | Aug. 24 | Aug. 31 | 553 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | Aug. 1 | Aug. 11 | 1,166 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications | July 11 | July 11 | 1,584 |
| 239 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification. | Aug. 18 | Sept. 15 | 686 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | Aug. 4 | Aug. 5 | 1,075 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | July 24 | July 24 | 1,576 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | Oct. 10 | Oct. 15 | 485 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens. | Sept. 27 | Sept. 21 | 684 |
| 102 | DESIGNS: C. O. MARKHAM (Acting) | Nov. 18 | Nov. 19 | 408 |
| 163 | TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR. (Trade-Marks | Nov. 12 | Nov. 21 | 1,832 |
| | (Labels and Prints | Nov. 20 | Nov. 31 | 126 |

*Refers to room numbers in the annex.



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Commissioner's Decisions.

NIKAIDO *v.* BRUNI.

*Decided June 24, 1924.*

1. INTERFERENCE—REDUCTION TO PRACTICE—UNCORROBORATED TESTIMONY.

Where an inventor testified that he produced the substance in issue and after noting that its properties were similar to M.'s patented accelerator for vulcanizing rubber he gave it to M., an employee of the inventor's assignee, and M. testified that he made tests of its properties as an accelerator and actually produced vulcanized rubber, and M.'s testimony was not in any way broken down on cross-examination, contained nothing improbable or unreasonable, and he was not in any way impeached, *Held* that there is no known authority for ruling that M.'s testimony is insufficient to establish reduction to practice unless corroborated.

2. SAME—SAME—COMMERCIAL USE.

In order to establish reduction to practice, it is not necessary to show a commercial use.

3. SAME—SAME—SAME.

Where by the use of a novel accelerator properly vulcanized rubber was obtained in a shorter time than with the use of any other accelerator, the fact that it darkened the rubber would not be a ground for holding that the process had not been reduced to practice, although that fact may have been a reason for not putting it into commercial use.

Note.—The application of Nikaido has resulted in Patent No. 1,513,122, October 28, 1924.

Patent interference No. 45,276.

APPEAL from Examiners in Chief.

PROCESS FOR THE VULCANIZATION OF RUBBER.

*Mr. James C. Bradley* for Nikaido.

*Mr. Emil Bonnelycke* for Bruni.

KINNAN, *First Assistant Commissioner:*

This is an appeal by Bruni from the decision of the Examiners in Chief reversing the decision of the Examiner of Interferences and awarding priority to Nikaido.

The invention relates to a process of vulcanizing rubber in which an accelerator is used, the novelty being in the use of a "metallic salt of a dithiocarbamic acid" as the accelerator.

The issue reads as follows:

1. Process for vulcanizing rubber consisting in treating it with sulphur and a metallic salt of a dithiocarbamic acid.

2. Process for vulcanizing rubber consisting in treating it with sulphur and a salt of a bivalent metal of a dithiocarbamic acid.

The party Bruni is entitled to the date of the filing of his Italian application for patent, March 15, 1919, for conception and constructive reduction to practice.

It appears from the testimony of Nikaido that he had a conception of the invention in May, 1918, as he states that he, while conducting some independent investigations, produced an iron salt of a dithiocarbamic acid and after noting its properties were similar to Molony's patented accelerator he gave to Molony some of the salt for the purpose of testing its properties as an acelerator. According to Molony's testimony he made such tests, using this salt, and actually produced vulcanized rubber on June 3, 1918.

As pointed out by the Examiners in Chief, the only question is whether this test is proved to have been made and, if so, whether it actually amounted to a reduction to practice. If it did not constitute a reduction to practice, then Nikaido was not diligent in reducing the invention to practice at the time and immediately after Bruni filed his Italian application.

The Examiner of Interferences held that this test made by Molony of the accelerator which was delivered to him by Nikaido did not amount to a reduction to practice, but at the most was only an abandoned experiment. He based this holding largely on the ground that there were no other tests made of the accelerator, that there was no commercial development of it, and that the conduct of Nikaido and of Molony with reference to the value and utility of the iron salt differed very widely from that with reference to the zinc salt which was later developed by Nikaido and of which a series of tests were made by Molony in 1919. The Examiner of Interferences drew the conclusion that if repeated tests of the zinc salt were necessary to establish the utility of the accelerator then the single test of the iron salt was clearly insufficient. He also referred to a letter from Molony to the superintendent of the assignee of Nikaido, in which it was stated that the iron salt darkened the rubber.

The Examiner of Interferences raised the further question whether, under the circumstances of the case, Molony did not so stand in place of the inventor that his uncorroborated testimony was insufficient, just as the uncorroborated testimony of the inventor would have been.

[1] With respect to the latter question, there is no decision, of which I am aware, which holds that the testimony of a witness, such as Molony, is insufficient to establish a reduction to practice unless corroborated. However this may be, there are the bottle containing the salt of the type used, the sample piece of rubber, and the memoranda on them, as well as Nikaido's testimony that he gave the salt to Molony to test. While in a certain sense Molony is an interested party, he is no more so that any other employee of the assignee of an inventor. His testimony was not in any way broken down on cross-examination, contains nothing improbable or unreasonable, and he has not in any way been impeached. He fixes his dates by memoranda made at the time, he has produced a sample of the rubber which he states was vul-

canized by using the accelerator in question, and he testifies positively that a successful vulcanized rubber was produced.

[2] It is too well settled to need the citation of authority that in order to establish a reduction to practice it is not necessary to show a commercial use. It is sufficient if it be useful for the purpose for which it was intended and that the tests establish that fact. In very many instances the first reduction to practice of an invention is not in the best commercial form.

The date when the test was made is carefully fixed by Molony by contemporaneous records. The witness Betz testifies that he analyzed the sample which was given to him by Molony and which Molony testifies was the sample given to him by Nikaido, a part of which was used in the original test, and he (Betz) found that this sample contained the iron salt of dimethyl dithiocarbamic acid.

It is true that the party in interest, the assignee of Nikaido, continued to use an accelerator which had been invented by Molony for some time after the test of the iron salt in 1918 and that extended tests were made in 1919 of the zinc salt, which subsequently went into commercial use.

[3] These facts, however, are not sufficient to show that the test made by Molony in 1918 was insufficient to establish that the iron salt was a satisfactory accelerator. The fact that it darkened the rubber may have been a reason for not putting it into commercial use, but it would not be a ground for holding that the process had not been reduced to practice if by the use of this accelerator properly vulcanized rubber was obtained and, as Molony states, in a shorter time than the use of any other accelerator of which he had knowledge. The process was a simple one, and it was only necessary to inspect the piece of rubber produced to determine the result.

It must be held, therefore, that Nikaido has established a reduction to practice of the invention in June, 1918, which is prior to the date to which Bruni is restricted—namely, March 15, 1919, the filing date of his Italian application—and that priority was properly awarded to Nikaido.

The decision of the Examiners in Chief is affirmed.

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EX PARTE CREW LEVICK COMPANY.

*Decided April 27, 1925.*

TRADE-MARKS—"SEALED."

The word "Sealed" is descriptive and is not susceptible of trade-mark protection.

APPLICATION for registration of trade-mark.

ON APPEAL.

TRADE-MARK FOR MOTOR, ILLUMINATING, AND BURNING OILS.

Application filed December 5, 1921, Ser. No. 156,264.

*Mr. Edmund G. Borden* for applicant.

FENNING, *Assistant Commissioner:*

The Crew Levick Company has appealed from the action of the Examiner of Trade-Marks refusing registration of "Sealed" as a trade-mark for "motor illuminating and burning oils for power purposes."

Applicant explains that in the ordinary gasoline selling station the operator may place in the tank any kind of gasoline. When this is done he may represent that he is selling applicant's gasoline, when, as a matter of fact, he is selling gasoline produced by some other company.

In order to avoid this possibility of deception, applicant proposes to place its gasoline in small tanks or cans which may be sealed so as to indicate the genuineness of their contents, the seal being broken when the gasoline is used. For this reason he adopts an appropriate label, copies of which are filed here as specimens, reading "Sealed Trade Mark Crew Levick (on a black diamond) Reg. U. S. Pat. Off. Gasoline." It is clear that applicant employs the word "Sealed" in an appropriately descriptive manner to define a characteristic or condition of its goods. Anyone who incloses goods in a sealed wrapper or container may appropriately refer to those goods as sealed goods.

In *Standard Paint Company* v. *Trinidad Asphalt Manufacturing Company*, 165 O. G. 971; 1911 C. D. 530; 220 U. S. 446, the Supreme Court quoted with approval the circuit court of appeals to the effect—

that no one can appropriate as a trade mark a generic name or one descriptive of any article of trade, its qualities, ingredients or characteristics, or any sign, word or symbol which from the nature of the facts it is used to signify others may employ with equal truth.

In the *Elgin National Watch Company* v. *Illinois Watch Case Company*, 94 O. G. 755; 1901 C. D. 273; 179 U. S. 665, the Supreme Court said:

No sign or form of words can be appropriated as a valid trade mark which, from the nature of the fact conveyed by its primary meaning, others may employ with equal rights for the same purpose.

It has been frequently indicated that a term which at once imparts information is descriptive, and it seems clear that applicant's mark here at issue at once imparts information that the goods are in a sealed container.

The most liberal rule which has been applied to registering marks is that words should be registered if they leave open to everybody else all words useful in describing any quality or property appertaining to the particular goods. The registration of the present mark would not leave all useful words open to use.

It might also be suggested that there is no actual trade-mark use of the present mark under the holdings of *In re The B. F. Goodrich Company*, 313 O. G. 663; 1923 C. D. 260; 52 App. D. C. 261; *Ex parte Keyless Auto Clock Company*, 309 O. G. 223; 1923 C. D. 25; *Ex parte H. H. H. Silk Co.*, 329 O. G. 266; 1924 C. D. 150; *Ex parte Ashaway Line & Twine Manufacturing Company*, 329 O. G. 264; 1924 C. D. 146. See also *Ex parte American Dairy Supply Company*, 312 O. G. 825; 1923 C. D. 34.

I am unable to find the case of the *National Biscuit Co.* v. *Swick*, 121 Fed. Rep. 1007, controlling in this case. There was involved an arbitrarily-selected design associated with words, and the mark as a whole was under consideration. Here the mark consists of the simple word "Sealed," which, as indicated above, is not susceptible of trade-mark protection.

The decision of the Examiner of Trade-Marks is affirmed.

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## U. S. Circuit Court of Appeals—First Circuit.

GENERAL BAKING CO. *v.* GORMAN.

*Decided January 27, 1925; rehearing denied March 9, 1925; certiorari denied June 1, 1925.*

[3 Fed. Rep. (2d) 891.]

1. TRADE-MARKS—"BOND"—MENDACIOUS ADVERTISING.

Where plaintiff registered the word "Bond" in 1916, and in 1921 advertised that it would offer on the Rhode Island market a new bread which it would call "Bond" bread, made in accordance with the ascertained composite bread-making skill of Rhode Island housewives, and the bread which it actually made and sold there was made in accordance with the formula that it had used since 1915 in other States for bread which it called by the same name, *Held* that the plaintiff had no goodwill or other right in the name "Bond" as applied to bread sold in Rhode Island which it could ask a court of equity to protect.

2. SAME—UNFAIR COMPETITION—CASES OF INFRINGEMENT AND UNFAIR COMPETITION ARE AFFECTED WITH A PUBLIC INTEREST.

Unfair competition, of which trade-mark infringement is but a part, is, broadly speaking, grounded on the right of both dealer and purchasing public to be protected from frauds of which both are victims.

3. SAME—REGISTRATION OF TRADE-MARK DOES NOT AFFECT RIGHT TO ITS USE IN PURELY LOCAL BUSINESS.

Rights in trade-marks are of common-law origin and are always appurtenant to an established business or trade in connection with which they are employed, and the Federal registration of a trade-mark for interstate commerce gives no right to its use in a purely local business, subsequently established, as against a local prior user.

APPEAL from the District Court of the United States for the District of Rhode Island; Arthur L. Brown, Judge.

Suit in equity by the General Baking Company against James H. Gorman. Decree for defendant, and complainant appeals. Affirmed.

For opinion below see 295 F. 168.

*Mr. Julius M. Mayer* (*Mr. F. P. Warfield, Mr. E. W. Leavenworth*, and *Messrs. Mayer, Warfield & Watson* on the brief) for the appellant.

*Mr. James H. Higgins* (*Mr. William H. Camfield, Mr. Walter V. Moriarty*, and *Messrs. Fitzgerald & Higgins* on the brief) for the appellee.

Before JOHNSON and ANDERSON, Circuit Judges, and BREWSTER, District Judge.

ANDERSON, *Cir. J.:*

Plaintiff sought in the court below (295 F. 169) an injunction and accounting for trade-mark infringement and for unfair competition, on the ground that the defendant's sale of "Liberty Bond" bread in Pawtucket, Central Falls, and vicinity, R. I., infringed the plaintiff's alleged trade-mark "Bond." In this court no contention is pressed of unfair competition or for an accounting. But the plaintiff still asserts itself entitled to an injunction.

Jurisdiction rests on diversity of citizenship. The appellant was organized in 1911, and at that time took over and has since operated a bakery in Providence. In what other cities and States it then had plants does not appear. In its Providence plant it manufactured and sold bread under various names, "Butternut," "Mrs. Walker's," etc., but it did not use in Rhode Island the name "Bond" until 1921.

In 1915, it began to use the name "Bond" in Rochester, N. Y., after an advertising campaign like the one carried on in Providence in 1921, hereinafter described. It registered "Bond" as a trade-mark in the United States Patent Office on April 18, 1916.

After similar advertising campaigns, it began in 1916 to sell "Bond" bread in Buffalo, and in May, 1917, in Philadelphia.

In August, 1917, the defendant, acting as the court below found, in entire good faith and without any knowledge of the plaintiff's previous use of the word "Bond" in Rochester, Buffalo, and Philadelphia (three cities only), adopted the words "Liberty Bond" for bread manufactured and sold by it in Pawtucket, Central Falls, and vicinity. Defendant's name and the Statute of Liberty appear conspicuously on the wrapper.

After this adoption of the name "Liberty Bond" by the defendant in August, 1917, plaintiff extended the sale of its bread as "Bond" bread to some 20 cities and expended over $3,000,000 in advertising, apparently all directed to pushing "Bond" bread. But, so far as appears, in each city plaintiff represented its "Bond" bread to be of local genesis (as it did later in Rhode Island), and hence different from the "Bond" bread sold elsewhere.

On January 11, 1921, plaintiff notified defendant that it claimed that his use of the name "Liberty Bond" on bread wrappers was an infringement of its alleged trade-mark "Bond." This was preliminary to introducing "Bond" bread to Rhode Island.

In March, 1921, plaintiff advertised in the Providence newspapers a prize contest among the women of Rhode Island in making bread. It announced that prizes amounting to $1,000 would be awarded to the 121 women who submitted the best loaves of bread and that—

the prize-winning loaves will be taken as a model from which the General Baking Company will produce Bond bread. This Bond bread will be offered to the public after the expert bakers analyze the loaves the prize-winners submit, and copy their ingredients and qualities as modern baking science really can. These prize-winning loaves will be taken as ideals, which the General Baking Company will copy and incorporate in a new loaf of bread to be called Bond bread.

Also:

This will be called Bond bread because it will be guaranteed by the Bond of the General Baking Company, to possess the same pure "home" ingredients, the same homemade taste, the same crust, and the same texture as the best homemade loaves which your committee of well-known Rhode Island women judges will choose. * * *

We will make bread your way. * * *

And every day more and more Rhode Island people are adopting this "child" of those public-spirited women who submitted their homemade loaves.

Thus, and otherwise, plaintiff represented that it would offer on the Rhode Island market a *new*

bread, made in accordance with the ascertained, composite, bread-making skill of Rhode Island housewives, and that "Bond" would mean a guaranty by the plaintiff of conformity to the high standard thus learned from Rhode Island housewives.

The scheme thus advertised sharply contrasts with the usual process of introducing, from without, an old, standardized product, alleged to be better than that in current local use. But such was the plaintiff's scheme for expanding its business in various cities. Its vice president testifies that these methods were used in at least eight or ten cities.

This advertising was wholly mendacious. The bread made and sold in Providence was not modeled on the composite skill of Rhode Island women bread-makers. It was made in accordance with the formula that the plaintiff had use generally, for bread, since 1915. No changes were made in the formula used in Providence, or in any other cities where like bread-making contests were carried on, in order to conform to a standard derived from bread made by the competing women. The bread these flattered women bought was no "child" of their combined skill. It originated in New York, and was of doubtful parentage.

Plaintiff's chief witness testifies:

X. Q. 194. Were these advertisements substantially the same in all those eight or ten cities?—A. I think son.

X. Q. 195. And in each one of those eight or ten different cities you gave the people of those cities the distinct impression that in making this Bond bread you were going to depend on the advice and counsel of the contests of the different housewives that these different localities gave you, didn't you?—A. Yes, sir.

X. Q. 196. And at the same time you had your own formula all through the country, and you were following it previous to that, and you have followed it since?—A. Yes.

[1] On this state of facts, we are constrained to hold that the plaintiff had no goodwill or other rights in the name "Bond," as applied to bread sold in Rhode Island, which it can ask a court of equity to protect. The alternatives are these:

If the Rhode Island "Bond" bread had had the genesis that the plaintiff advertised, the plaintiff would have had no rights in a trade-mark, growing out of its previous use of the mark elsewhere, for in Rhode Island "Bond" would have meant a new bread. As the advertising as to the genesis of the Rhode Island Bond bread was false, it gained no rights in Rhode Island as to the future. See *Worden* v. *California Fig Syrup Co.*, 102 O. G. 623; 1903 C. D. 637; 187 U. S. 516; 23 S. Ct. 161; 47 L. Ed. 282, and cases cited; particularly *Manhattan Medicine Co.* v. *Wood*, 23 O. G. 1925; 1883 C. D. 268; 108 U. S. 218, 224; 2 S. Ct 436; 27 L. Ed. 706. In this case plaintiff was held disentitled to any relief because dishonestly advertising that its medicine was manufactured by Moses Atwood, Georgetown, Mass., when in fact it was manufactured by the Manhattan Medicine Company, of New York City. A fortiori, in the case at bar, the plaintiff is entitled to no protection in a trade grounded upon representations that it was making Rhode Island bread in accordance with the composite skill of Rhode Island housewives, when in fact it was palming off the same kind of product that it had used for five or six years in various other places.

[2] It should never be overlooked that trade-mark and unfair competition cases are affected with a public interest. A dealer's goodwill is protected, not merely for his profit, but in order that the purchasing public may not be enticed into buying A.'s product when it wants B.'s product. In meritorious cases of this kind, the plaintiff is acting, not only in his own interest, but in the public interest. The situation is radically different from that which arises in cases of alleged infringement of a copyright or a patent, under which the rights originate in a monopoly grant from the Government. The existence and extent of such monopolies are therefore, except as they reward and thus promote ingenuity, adverse to the rights of the purchasing or using public. In one aspect, the alleged infringer of a copyright or of a patent is in a fight for the public interest—to make a free and open field. But unfair competition—of which trade-mark infringement is but a part (*United Drug Co.* v. *Rectanus Co.*, 257 O. G. 1082; 1918 C. D. 369; 248 U. S. 90, 97, 39 S. Ct. 48, 63 L. Ed. 141)—is, broadly speaking, grounded on the right of both dealer and purchasing public to be protected from frauds of which both are victims. *Dadirrian* v. *Yacubian*, 98 F. 872, 876; 39 C. C. A. 321. In these cases the infringer works a fraud upon dealer and customer alike; his palming off is piracy pure and simple.

We are therefore driven to the conclusion, apparently reached, although not quite flatly stated, by the court below, that the plaintiff has in Rhode Island no trade-mark right in the word "Bond." What rights, if any, it has elsewhere, is a question not now before us. So far as appears, the plaintiff's Rhode Island trade was entirely intrastate, as was the defendant's. It made and sold bread in Rhode Island. It does not appear to have imported it from outside plants, or to have exported it from the Providence plant. For this, as well as for other fully adequate reasons, it is impossible to attach any significance to its Federal registration of its trade-mark for interstate business.

The general result is that if, as between "Bond" and "Liberty Bond," as applied to the sale of bread in Rhode Island, there be any infringement, plaintiff is infringing upon the defendant's rights, not the defendant upon the plaintiff's rights. If the plaintiff's claim "that 'Bond' and 'Liberty Bond' are deceptively similar" is sound, plaintiff is responsible for the deception.

While the court below was "of the opinion that there is not in fact any deceptive similarity between the labels of plaintiff and defendant, and that the possibility of confusion is slight," we think that question should be left open for any further proceedings found necessary, in the light of competitive experience, to protect the defendant and the purchasing public.

Perhaps it is well to add that, if we assume the facts to be substantially as the plaintiff claims them to be, this case falls within the doctrine of the *Rectanus Case*, supra, and the *Hanover Milling Case*, 224 O. G. 1407; 1916 C. D. 265; 240 U. S. 403; 36 S. Ct. 357; 60 L. Ed. 713, applied by this court in the *Narragansett Dairy Case*, 262 F. 880. The defendant adopted in good faith, as the court below found, the trade-mark "Liberty Bond" as early as August, 1917. The plaintiff made no attempt to sell bread in Rhode Island as "Bond" bread until March, 1921, 10 years after it began operation in Providence. At that time the defendant had a goodwill in its trade-mark, apparently covering Rhode Island. 240 U. S. 426; 36 S. Ct. 365. Plaintiff was a later comer with its "Bond" bread (assuming for the moment that "Bond" bread and "Liberty Bond" bread would cause any confusion in the use), and could not destroy or encroach upon the defendant's goodwill in its trade-mark earlier adopted.

We repeat here what we said in the *Narragansett Dairy Case*, 262 F. 880, 881, referring to the *Rectanus Case*, supra:

> The legally significant facts are, we think, on all fours with the case at bar.

Besides, the plaintiff had, for three years after defendant had put out Liberty Bond bread, known of the use, and had given no warning of its intention of using "Bond" on its Rhode Island bread; on the contrary, its use of other names for 10 years on its Rhode Island output would ground the inference that it had no intention of using "Bond" as a trade-mark in Rhode Island, even if, in 1915, it had used it in New York, and had registered it in 1916 for interstate trade. But its intention, disclosed or undisclosed, was entirely immaterial.

[3] Plaintiff's learned counsel contend that the Federal registration of its trade-mark in 1916 gave it a practically unlimited right of expansion, so that local bakers were thereafter charged with knowledge of its purpose to introduce in their communities "Bond" bread, and were therefore prevented from adopting any trade name which might conceivably infringe upon the "Bond" trade-mark. This contention, on analysis, falls little short of making Federal registration of a trade-mark the equivalent of a patent or a copyright—a far-reaching proposition we can not adopt. Nothing is better settled than that rights in trade-marks are of common-law origin, and are always "appurtenant to an established business or trade in connection with which" they are employed. See *Trade-Mark Cases*, 16 O. G. 999; 1899 C. D. 619; 100 U. S. 82; 25 L. Ed. 550; *Ainsworth* v. *Walmsley*, L. R. 1 Eq. 518, 524.

Rhode Island can not be deprived of the power to protect its citizens in the goodwill of their business by Federal registration of a trade-mark for interstate commerce. Compare the pungent observations of Mr. Justice Holmes in his concurring opinion in the *Hanover Milling Case*, 240 U. S. 425, 426; 36 S. Ct. 357; 60 L. Ed. 713. The defendant has as much right to expand as has the plaintiff. In Rhode Island its rights to "Liberty Bond" or any similar mark on bread are superior to the plaintiff's rights. Registration for interstate use is not even notice of a purpose "to expand" by building local plants as centers of intrastate trade. Even if it were notice, it would have no effect on a right that "grows out of its use, not its mere adoption." 248 U. S. 97; 39 S. Ct. 48. Compare *Waldes* v. *International Manuf'rs' Agency* (D. C.) 237 F. 502, 504.

The result is that, both as matter of law and as matter of fact, plaintiff has no case against this defendant, and the decree below must be affirmed, with costs.

The decree of the district court is affirmed, with costs to the appellee.



## PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

899,559, A. Pfau, Turbine, suit filed Sept. 26, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5212, *Allis-Chalmers Mfg. Co.* v. *Fairbanks, Morse & Co.*

966,514, Baker & Baker, Process of salting peanuts in the shell, suit filed Oct. 15, 1925, D. C. Md., Doc. E 996, *H. Baker* v. *Shell on Sol-Ted Peanut Co. et al.*

977,562, W. E. Sloan, Valve, suit filed Sept. 22, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5195, *Sloan Valve Co.* v. *The Imperial Brass Mfg. Co. et al.*

1,029,328, C. W. Utzman, Plaster board and its method of manufacture; 1,034,746, same, Plaster board, suit filed Sept. 24, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5207, *United States Gypsum Co.* v. *Universal Gypsum Co.*

1,034,746. (See 1,029,328.)

1,038,227, N. Sulzberger, Chewing gum containing pharmaceutical preparations, suit filed Aug. 28, 1925, D. C., E. D. N. Y., Doc. 2237, *Health Products Corp.* v. *Ex-Lax Mfg. Co.*

1,065,668, G. W. Dunham, Automobile; 1,202,441, C. W Small, Protective mat for use with automobiles, suit filed Oct. 23, 1925, D. C., N. D. Ohio (W. Div.), Doc. E 592, *Durkee-Atwood Co.* v. *Fremont Mfg. Co. et al.*

1,068,691, J. G. Moomy, Patch for rubber articles, suit filed July 27, 1925, D. C. Md., Doc. E 934, *J. G. Moomy* v. *M. Yeagle (C. Y. Rubber Co.).*

1,099,787, L. J. Chapman, Extension table, suit filed Oct. 19, 1925, D. C., W. D. Wis., Doc. E 88, *Watertown Table Slide Co.* v. *Perfection Table Slide Mfg. Co.*

1,118,240, W. A. Sheaffer, Attachment for fountain pens, suit filed Sept. 30, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5222, *W. A. Sheaffer Pen Co.* v. *Eisendtadt Mfg. Co.*

1,190,615, H. P. Willis, Plastic composition; 1,328,310, same, Asphaltic pavements and foundation for the same, appeal filed Sept. 26, 1925, C. C. A., 8th Cir. (St. Louis), Doc. 7186, *Western Willite Co. et al* v. *Trinidad Asphalt Mfg. Co. et al.*

1,193,756, W. P. Bosworth, Method of producing heel-logs, suit filed Oct. 20, 1925, D. C. N. H., Doc. E 140, *Brockton Heel Co., Inc.*, v. *International Shoe Co.*

1,202,441. (See 1,065,668.)

1,245,449, E. Edelmann, Syringe-hydrometer housing, final consent decree sustaining patent and granting injunction Oct. 19, 1925, D. C., S. D. N. Y., Doc. E 26/109, *E. Edelmann et al.* v. *Bergman & Samuels* (*Perfection Hydrometer Co.*).

1,307,733, A. V. Gullborg Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Sept. 17, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5180, *The Bassick Mfg. Co* v. *Montgomery Ward & Co., Inc.* Same, suit filed Oct. 10, 1925, D. C. Md., Doc. E 990, *The Bassick Mfg. Co.* v. *Taubman Automotive Co.*

1,307,734. (See 1,307,733.)

1,328,310. (See 1,190,615.)

1,368,589, C. Weber, Collapsible tube, suit filed Sept. 9, 1925, D. C., E. D. N. Y., Doc. 2240, *Perfex Products Corp.* v. *E. R. Squibb & Sons*

1,371,572, J. H. Pfingsten, Coloring matter for leather and using the same, suit filed Dec. 4, 1924, D. C., E. D. Wis., Doc. 1502 C. D., *Presto Color Co.* v. *Excelso Products Co.* Decision for plaintiff Oct. 22, 1925.

1,377,023, B. S. Nelson, Lubricating device, suit filed Sept. 29, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5214, *Shere Metal Products Corp.* v. *Drolet & O'Brien Co. et al.*

1,411,391, J. D. Tucker, Spoke tightener, suit filed Oct. 20, 1925, D. C., W. D. Okla., Doc. E 743, *Tucker Mfg. Co.* v. *C. T. Brunson* (*Altus Machine & Supply Co.*).

1,412,318, I. E. Stamets, Combination desk pad, suit filed Sept. 17, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5181, *Robert Dale Co.* v. *G. H. Deaton et al.*

1,412,898, H. Sellman, Manufacture of paints, suit filed Sept. 2, 1925, D. C., E. D. N. Y., Doc. 2238, *P. O. Abbe* v. *J. A. McCafferty & Sons Mfg. Co., Inc.*

1,463,556, 1,518,410. S. A. Reed, Aeronautical propeller, suit filed Oct. 26, 1925, Court of Claims, Doc. E 544, *The Reed Propeller Co., Inc.*, v. *The United States.*

1,471,536. (See 1,487,189.)

1,475,524, G. C. Thomas, Connecting device for electrical conduits, cables, and the like, suit filed July 29, 1925, D. C. Md., Doc. E 943, *The Thomas & Betts Co.* v. *A. P. Davis et al.* (*Peerless Electro Products Co.*).

1,479,486. (See 1,487,189.)

1,481,868. (See 1,506,974.)

1,487,181, F. H. Robinson, Lighting fixture, final consent decree for plaintiff Oct. 2, 1925, D. C., E. D. N. Y., *National Metal Spinning & Stamping Co.* v. *Greenfield Electrical Supply Corp.*

1,487,189, 1,471,536, L. J. Wahl, Clipper; 1,479,486, same, Electric clipper, suit filed Sept. 25, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5209, *L. J. Wahl* v. *N. E. Norstrom Electric Mfg. Co.*

1,496,724, L. J. Mirsky, Reenforced hosiery, decree for defendant Oct. 21, 1925, D. C., E. D. Wis., Doc. 1451, C. D., *L. J. Merske* v. *Holeproof Hosiery Co.*

1,501,704, O. H. Clarke, Spot or search light assembly, consent decree for plaintiff Oct. 14, 1925, D. C., E. D. Wis., Doc. 1541, C. D., *The Clymer Mfg. Co.* v. *Romort Mfg. Co.*

1,506,974, L. P. Cooley, Conveyer system; 1,481,868, F. P. Hickins, Conveyer apparatus, suit filed Sept. 23, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5196, *Conveyors Corp. of America et al.* v. *Gifford Wood Co.*

1,518,410. (See 1,463,556.)

1,536,481, L. J. Dickey, Coin package, suit filed Aug. 18, 1925, D. C., E. D. N. Y., Doc. 2225, *Standard Coin Wrapper, Inc.*, v. *Standard Johnson Co., Inc.*

1,540,405, G. J. Kromer, Cap, suit filed Oct. 14, 1925, D. C., E. D. Wis., Doc. 1635, C. D., *G. J. Kromer* v. *Middleton Mfg. Co.*

Des. 67,660, A. W. Kaufman, Smoke kit, suit filed Sept. 18, 1925, D. C., N. D. Ill. (E. Div.), Doc. 5183, *A. W. Kaufman* v. *Charles Tire Corp. et al.*

## ADJUDICATED PATENTS.

(D. C. Md.) The Wolf patent, No. 787,814, for oil-flotation process for separating ores, *Held* not infringed. *Wolf Mineral Process Corporation* v. *Mineral Separation North American Corporation*, 7 F. (2d) 903.

(C. C. A. N. Y.) The Mathieu patent, No. 1,354,262, for light globe, *Held* valid. *Mathieu* v. *Mitchell Vance Co.*, 7 F. (2d) 837.

(C. C. A. N. Y.) The Johnston patent, No. 1,388,434, for method for butt-welding thin-gauge tubing, claims 4, 5, 10, 14, 16, 17, and 19 *Held* valid and infringed. *Elyria Iron & Steel Co.* v. *Mohegan Tube Co.* 7 F. (2d) 827.

(C. C. A. N. Y.) The Johnston patent, No. 1,435,306, for butt-welded thin-walled tubing, claims 3, 5, 6, and 9 *Held* valid and infringed. *Elyria Iron & Steel Co.* v. *Mohegan Tube Co.*, 7 F. (2d) 827.

# TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 22, 1925.

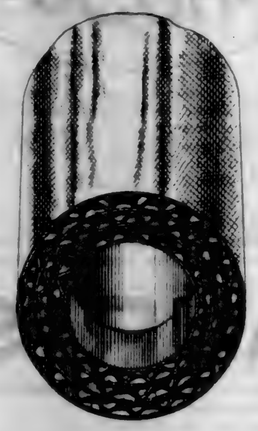
[VOL. 341. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 167,046. (CLASS 12. CONSTRUCTION MATERIALS.) JOHNS-MANVILLE INCORPORATED, New York, N. Y. Filed July 18, 1922.



Trade-Mark consists of a sectional pipe covering consisting of a relatively narrow red band circumferentially placed on the inner cylindrical section of pipe covering near the end thereof. No claim is made to the representation of the goods appearing in the drawing apart from the association with the other features of the mark.

*Particular description of goods.*—Sectional Pipe Covering.

*Claims use* since April, 1922.

Ser. No. 171,826. (CLASS 39. CLOTHING.) BLUE BIRD BRASSIERE COMPANY, New York, N. Y. Filed Nov. 11, 1922.

NEVERSLIP

Without waiver of common-law rights no claim is made to the exclusive use of the word "Neverslip" except as shown in the drawing.

*Particular description of goods.*—Brassières.

*Claims use* since Oct. 27, 1922.

Ser. No. 172,951. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MRS. R. C. MASSEY and MRS. E. W. CAIRNCROSS, Boise, Idaho. Filed Dec. 5, 1922.

Little Jack's Favorite

*Particular description of goods.*—Cereal Breakfast Food.

*Claims use* since Sept. 1, 1922.

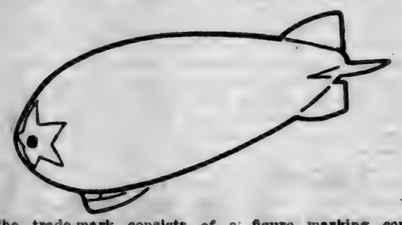
Ser. No. 179,016. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HANS TRUTTWIN, doing business as Dr. Ing. Hans Truttwin, Vienna, Austria. Filed Apr. 11, 1923.

ANDRIOL

*Particular description of goods.*—Medicine to be Used in Dermatology, Venerology, Gynecology, and in the Treatment of Cancer.

*Claims use* since Sept. 16, 1922.

Ser. No. 185,890. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AIRCRAFT DEVELOPMENT CORPORATION, Detroit, Mich. Filed Sept. 18, 1923.



The trade-mark consists of a figure marking comprising an oval with one end pointed and several excrescences at the other end and which in general is a conventionalized outline perspective view of an airship.

*Particular description of goods.*—Aircraft, Airships, Balloons, and Parts Thereof and Accessories.

*Claims use* since Apr. 1, 1923.

Ser. No. 186,665. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y. Filed Oct. 6, 1923.

*Particular description of goods.*—Chassis of Automotive Vehicles and Component Parts Thereof.
*Claims use* since about 1903.

Ser. No. 189,096. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. C. BOHACK CO., INC., New York, N. Y. Filed Dec. 1, 1923. Under ten-year proviso.

Paramount

*Particular description of goods.*—Fresh Vegetables, Fresh Citrous and Deciduous Fruits, Canned Milk in Evaporated and Condensed Condition; Eggs; Fresh Fish and Shellfish, Canned Soups, Jams, Jellies, Sugars, Apple Butter, Peanut Butter, Mincemeat, Vinegar, Salad Oils, Molasses, Sirups for Foods, Celery Salt, Onion Salt, Paprika, Cheese, Flavoring Extracts for Foods, Teas, Coffees, and Cocoas.
*Claims use* since Jan. 1, 1887.

Ser. No. 197,923. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRUNSWIG DRUG COMPANY, Los Angeles, Calif. Filed June 2, 1924.

ANGELUS

*Particular description of goods.*—Antiseptic Cones, Antiseptic Powder; Beef, Iron, and Wine, Blackberry Balsam, Buchu Compound, Copaiba and Cubeb Capsules, Chlorate-Potash Tablets, Dyspepsia Tablets, Eye Lotion, Fig and Senna Sirup, Foot Powder, Hepatic Salts, Kidney Pills, Milk of Magnesia, Mustard Rub, Pile Ointment, Poison-Oak Lotion, Prickly-Heat Powder, Soda-Mint Tablets, Stearate-of-Zinc Compound, Worm Sirup, Moth Bane, Dry Bordeaux Mixture, Bordeaux-Mixture Paste, Cough Drops, Aceite Rosado, Antiseptic Solution, Bay Rum, Camphorated Oil, Carbolic-Acid Solution, Castor Oil, Castor Oil Aromatic, Denatured Alcohol, Essence Peppermint, Cascara Aromatic, Formaldehyde, Glycerin, Limewater, Oil of Cloves, Oil Eucalyptus, Paregoric, Rose Water, Rose Water and Glycerin, Spirits of Aromatic Ammonia, Spirits of Camphor, Spirits Niter, Sweet Oil, Tincture Arnica, Tincture Benzoin, Tincture Chloride Iron, Tincture Iodine, Witch-Hazel, Alum Powder, Blue Vitriol, Blue-Vitriol Crystals, Borax Powder, Boric-Acid Powder, Boric-Acid Crystals, Buchu Leaves, Cascara Bark, Camomile Flowers, Compound Licorice Powder, Cream Tartar, Epsom Salts, Flaxseed Ground, Flaxseed Whole, French Chalk, Henna Leaves Powdered, Henna Leaves Whole, Insect Powder, Lice Powder, Naphthalene Balls, Naphthalene Flakes, Orris-Root Powder, Oxalic-Acid Crystals, Permanganate Potash, Precipitate Chalk, Prepared Chalk, Rochelle Salts, Saffron American, Saltpetre Powder, Sassafras Bark, Senna Leaves, Soapbark, Soda Bicarbonate, Sulphur and Cream of Tartar, Sulphur Flowers, Sunflower Seed, Citrate-Magnesia Solution.
*Claims use* since Mar. 1, 1905.

Ser. No. 199,447. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDREW WILSON, INCORPORATED, Springfield, N. J. Filed July 1, 1924.

Wilson's
O. K. PLANT SPRAY

No claim is made to the words "Wilson's Plant Spray" apart from the mark shown.
*Particular description of goods.*—Insecticides.
*Claims use* since May, 1909.

Ser. No. 200,518. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL DEPARTMENT STORES INC., New York, N. Y. Filed July 25, 1924.

NADSCo

*Particular description of goods.*—Toilet Preparations—viz, Vanishing Cream, Cold Cream, Lemon Cream, Massage Cream, Hairdressing, Face Powder, Dental Cream, Coconut-Oil Shampoo, Almond Cream, Eau de Quinine Hair Tonic, and Talcum Powder.
*Claims use* since Apr. 10, 1924.

Ser. No. 202,934. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DICTOGRAPH PRODUCTS CORPORATION, New York, N. Y. Filed Sept. 23, 1924.

AURIS

*Particular description of goods.*—Telephonic Device for Aiding Defective Hearing.
*Claims use* since about 1910.

Ser. No. 203,175. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE HI-FLIER MANUFACTURING COMPANY, Decatur, Ill. Filed Sept. 29, 1924.

TRADE-MARK
HI-FLIER

No claim is made to the words "Hi-Flier" apart from the mark as shown on the drawing. No claim is made to the words "Trade-Mark."
*Particular description of goods.*—Kites.
*Claims use* since Jan. 1, 1922.



Ser. No. 203,436. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PITTSBURG WATER HEATER COMPANY, Pittsburgh, Pa. Filed Oct. 4, 1924.

MONARCH

*Particular description of goods.*—Gas Hot-Water Heaters and Gas Hot-Water-Storage Systems.
*Claims use* since Aug. 2, 1898.

Ser. No. 204,192. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) POCONO RUBBER CLOTH COMPANY, Trenton, N. J., assignor to The Pocono Rubber Cloth Co., Trenton, N. J., a Corporation of New Jersey. Filed Oct. 20, 1924.

Par-Bag

No claim is made to the word "Bag" apart from the mark shown.
*Particular description of goods.*—Golf Bags.
*Claims use* since Sept. 18, 1924.

Ser. No. 204,300. (CLASS 2. RECEPTACLES.) BEAUTEBOX, INC., New York, N. Y. Filed Oct. 23, 1924.

Beautébox

*Particular description of goods.*—Plain and Decorated Metallic Art Boxes and Containers of Various Shapes, Sizes, and Forms, and Other Paper and Cardboard Boxes, Plain or Decorated, of Various Shapes, Sizes, and Forms.
*Claims use* since Jan. 1, 1922.

Ser. No. 204,505. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. GOODMAN & SONS, INC., New York, N. Y. Filed Oct. 28, 1924.

גודמאן'ס

The Hebrew characters translated into English mean "Goodman's".
*Particular description of goods.*—Matzoths, Matzoth Meal, Matzoth Ferfel, and Alimentary Paste Products.
*Claims use* since Sept. 1, 1924.

Ser. No. 205,329. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARL T. FUND, doing business as Fund's, Chicago, Ill. Filed Nov. 15, 1924.

BILLY BOY

*Particular description of goods.*—Candy.
*Claims use* since Oct. 2, 1924.

Ser. No. 205,833. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MIMOSA AKTIENGESELLSCHAFT, Dresden, Germany. Filed Nov. 25, 1924.

MIMOSA

*Particular description of goods.*—Light-Sensitized Photographic Papers, Photographic Apparatus, Plates and Films.
*Claims use* since Apr. 26, 1897.

Ser. No. 206,688. (CLASS 32. FURNITURE AND UPHOLSTERY.) PROGRESS BEDDING CO., Detroit, Mich. Filed Dec. 13, 1924.

The words "Detroit, Mich." and "Progress Bedding Co." appearing in said drawing are hereby disclaimed as a part of said trade-mark.
*Particular description of goods.*—Bedding—Namely, Mattresses, Pillows, and Bed Springs.
*Claims use* since Jan. 1, 1920.

Ser. No. 208,888. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EUGENE AMBLER, Chicago, Ill. Filed Jan. 31, 1925.

Gene'e COKE AND COAL

The words "Coke and Coal" are disclaimed apart from the other features of the mark.
*Particular description of goods.*—Coal and Coke.
*Claims use* since Nov. 24, 1924.

Ser. No. 208,977. (CLASS 39. CLOTHING.) GOLDMAN-O'BRIEN NASSAUER MFG. CO., St. Louis, Mo. Filed Feb. 2, 1925.

Rose Marie

*Particular description of goods.*—Ladies' and Misses' Hats.
*Claims use* since Dec. 15, 1924.

Ser. No. 210,311. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEARL CITY FRUIT CO., LTD., Honolulu, Territory of Hawaii. Filed Feb. 28, 1925.

ROYAL PALM

*Particular description of goods.*—Canned Pineapple.
*Claims use* since Jan. 15, 1925.

Ser. No. 210,644. (CLASS 12. CONSTRUCTION MATERIALS.) CHICKAMAUGA CEDAR COMPANY, Stevenson, Ala. Filed Mar. 7, 1925.

ARRO-MATIC
THE MOTH-PREVENTING CEDAR CLOSET-LINING

No claim is made for the words "The Moth-Preventing Cedar Closet Lining". The lining shown on the drawing is for shading only.
*Particular description of goods.*—Tennessee Aromatic Red-Cedar Products Manufactured Into Rough Lumber and Finished Lumber for Building Construction.
*Claims use* since Oct. 30, 1924.

Ser. No. 210,939. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN SAUSAGE & PROVISION CO., INC., New York, N. Y. Filed Mar. 12, 1925.

No claim is made to the use of the words "Chorizos" and "Manteca, Elaboracion Especial" apart from the mark as shown in the drawing.
*Particular description of goods.*—Canned Sausage.
*Claims use* since Feb. 2, 1925.

Ser. No. 211,081. (CLASS 38. PRINTS AND PUBLICATIONS.) COOK COUNTY REAL ESTATE BOARD, Chicago, Ill. Filed Mar. 16, 1925.

REAL-ESTATOR

*Particular description of goods.*—Weekly Bulletin.
*Claims use* since Feb. 3, 1925.

Ser. No. 211,529. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. S. HERRMANN, INC., New York, N. Y. Filed Mar. 24, 1925.

*Particular description of goods.*—Sheets, Pillowcases, Bedspreads, Bolster Cases, Bolster Shams, Luncheon Sets, Center Pieces, Napkins, Tablecloths, Doilies, Scarfs, and Card-Table Sets.
*Claims use* since June 4, 1921.

Ser. No. 212,416. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SCHUST COMPANY, Saginaw, Mich. Filed Apr. 7, 1925.

BUTTER CRISP

*Particular description of goods.*—Crackers.
*Claims use* since June, 1924.

Ser. No. 212,533. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) BAKELITE CORPORATION, New York, N. Y. Filed Apr. 11, 1925.

*Particular description of goods.*—Pipes, Pipe Stems and Bowls, Cigar Holders, Cigarette Holders, Cigarette Cases, and Ash Receivers.
*Claims use* since Dec. 1, 1924.



Ser. No. 212,676. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLORADO POTATO FLAKE AND MANUFACTURING COMPANY, Denver, Colo. Filed Apr. 14, 1925.

The name "Spuddies" appearing in black in a horizontal panel about the center of the entire design, which design consists of a vertical rectangle proportion of five in height to three in width, this design composed of 30 curved rays or concentric lines, 15 red and 15 white, diverging in radial form clockwise from a red spot in the upper left-hand corner of the rectangle, and an oval spot in black beneath the word "Spuddies", and a rectangular panel near the bottom of the design for the name and address of the manufacturer.
*Particular description of goods.*—Shoe-string or French Fried Potatoes.
*Claims use* since Dec. 19, 1924.

Ser. No. 213,664. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE OWENS BOTTLE COMPANY, Toledo, Ohio. Filed May 1, 1925.

O

*Particular description of goods.*—Caps or Closure Devices for Bottles and Other Containers.
*Claims use* since Mar. 31, 1924.

Ser. No. 215,156. (CLASS 39. CLOTHING.) E. S. LEVY & COMPANY, Galveston, Tex. Filed June 1, 1925.

LEVY'S SUPERNINE

Applicant disclaims exclusive use of the word "Levy's" except in the particular arrangement and association in which it appears in the mark shown in the drawing.
*Particular description of goods.*—Leather Shoes.
*Claims use* since Feb. 25, 1925.

Ser. No. 215,302. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HOHLFELD MANUFACTURING COMPANY, Philadelphia, Pa. Filed June 4, 1925.

Eclat

*Particular description of goods.*—Cotton, Silk, and Jute Hammocks.
*Claims use* since 1898.

Ser. No. 215,650. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH O'CONNOR, Springville, N. Y. Filed June 11, 1925.

Mrs. M. J. O'Connor

The autograph signature "Mrs. M. J. O'Connor" appearing on said drawing and specimens is the signature of your petitioner. The name "Mrs. M. J. O'Connor" is disclaimed except in the form shown, without waiving any common-law rights thereto.
*Particular description of goods.*—Salve for Use in the Treatment of Burns, Scalds, Bruises, Boils, Cuts, and Infections.
*Claims use* since June 1, 1925.

Ser. No. 216,044. (CLASS 39. CLOTHING.) HARRIS & CAPELLE, New York, N. Y. Filed June 19, 1925.

Capel-le Hats

Trade-mark consists of the words "Capel-le Hats." Apart from the mark as shown in the drawing, no claim is made to the exclusive use of the word "Hats."
*Particular description of goods.*—Ladies' and Misses' Hats.
*Claims use* since June 9, 1925.

Ser. No. 216,213. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RED SPOT PAINT & VARNISH COMPANY, INCORPORATED, Evansville, Ind. Filed June 22, 1925.

*Particular description of goods.*—Paint Enamels; Dry, Paste, and Ready-Mixed Paints and Finishing Materials—Namely, Paints, Enamels, and Varnishes for All Kinds of Finishing Purposes.
*Claims use* since Mar. 12, 1914.

Ser. No. 216,807. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) ANDREW WARREN, doing business as The Warren Products Co., Elmhurst, N. Y. Filed July 2, 1925.

SALZBURGER

*Particular description of goods.*—Malt Sirups.
*Claims use* since May 14, 1925.

Ser. No. 216,991. (CLASS 45. BEVERAGES, NONALCOHOLIC.) G. B. RAFFETTO, INC., New York, N. Y. Filed July 7, 1925.

CORDJEL

*Particular description of goods.*—Nonalcoholic, Maltless Sirups of Various Flavors, Solidified or Jellied by Means of the Gelatin Property of Pure Fruits, Used in the Preparation of Soft Drinks.
*Claims use* since May 1, 1925.

Ser. No. 217,121. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass. Filed July 9, 1925.

Jenny Lind

The name "Jenny Lind" refers to the famous Swedish singer, deceased 1887.
*Particular description of goods.*—Fishing Lines.
*Claims use* since Aug. 1, 1923.

Ser. No. 217,210. (CLASS 43. THREAD AND YARN.) DERWENT MILLS LTD., Matlock, England. Filed July 11, 1925.

FURIDA

*Particular description of goods.*—Cotton Yarn, Sewing Silk, Knitting Silk, Silk Twist, Silk Yarn, and Silk Thread; Yarns of Wool, Worsted, or Hair; and Yarns of Cellulose or Cellulose Derivatives.
*Claims use* since Dec. 12, 1924.

Ser. No. 217,359. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PENN VINEGAR COMPANY, Pittsburgh, Pa. Filed July 14, 1925.

MEAL-TIME

*Particular description of goods.*—Jelly, Fruit Preserves, Mustard, Catchup, Apple Butter, Salad Oil, Horse-Radish, Cider Vinegar, White Distilled Vinegar, Amber Vinegar, Wine Vinegar, Sweet Pickles, Sweet Mixed Pickles, Dill Pickles, Sour Pickles.
*Claims use* since Jan. 1, 1925.

Ser. No. 217,467. (CLASS 39. CLOTHING.) KORACH BROTHERS, Chicago, Ill. Filed July 16, 1925.

*Particular description of goods.*—Ladies' and Children's Dresses and Aprons.
*Claims use* since June 1, 1924, and by its predecessors since January, 1922.



Ser. No. 217,918. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) B. BLUMENTHAL & CO., New York, N. Y. Filed July 27, 1925.

*Particular description of goods.*—Buttons for Attachment to Wearing Apparel, Manufactured from Synthetic and Natural Raw Material—viz, Pearl, Jet, Ivory, Crystal, Porcelain, Wood, Brass, Base Metal and Iron, Bone, Silk Cloth, Taffeta, Glass, Steel, Composition Paper, Crochet, and Rhinestone Buttons Set in Base Metal.
*Claims use* since July 1, 1925.

Ser. No. 218,728. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. O. BETTES MFG. CO. INC., Kansas City, Mo. Filed Aug. 12, 1925. Under ten-year proviso.

THE IDEAL

*Particular description of goods.*—Compound for Polishing Metal.
*Claims use* since 1894.

Ser. No. 218,739. (CLASS 39. CLOTHING.) THE BOYSHFORM BRASSIERE CO., New York, N. Y. Filed Aug. 12, 1925.

No claim is made to the exclusive use of the word "Komapart" except in the particular connection and association in which it appears on the drawing. Exclusive use of the words "Trade-Mark Registered" is specifically disclaimed except in the specific combination shown.
*Particular description of goods.*—Brassières, Corsets, Women's Underwear of Textile Fabric—Namely, Chemises, Bloomers, Undershirts, Pantalets, and Drawers.
*Claims use* since July 1, 1925.

Ser. No. 218,810. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH P. FREY, doing business as Ethol Laboratories, Chicago, Ill. Filed Aug. 13, 1925.

ETHOL

*Particular description of goods.*—Antiseptic Mouth Wash.
*Claims use* since June 27, 1925.

Ser. No. 218,854. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KASPAR GETREIDESCHAELMASCHINE, G. M. B. H., Offenbach-on-the-Main, Germany. Filed Aug. 14, 1925.

UNIVERSUM

*Particular description of goods.*—Grain Peeling and Scouring Machines.
*Claims use* since May 1, 1924.

Ser. No. 218,864. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE Q. MOON & COMPANY, INC., Binghamton, N. Y. Filed Aug. 14, 1925.

The name "Moon's" is disclaimed apart from the mark as shown on the drawing.
*Particular description of goods.*—Buckwheat Flour, Granulated Meal, Laying Mash, Scratch Feed, Bran, White Middling, Mixed Feed, Dairy Ration.
*Claims use* since Oct. 1, 1924.

Ser. No. 218,886. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) NATIONAL AUTOMOTIVE PARTS ASSOCIATION, Detroit, Mich. Filed Aug. 14, 1925.

N·A·P·A
National Automotive Parts Association

*Particular description of goods.*—Brake Lining and Clutch Facings, Valve-Stem Packing, Asbestos Packing, Felt Washers, Transmission Lining, Fan Belts, and Radiator Hose.
*Claims use* since July 28, 1925.

Ser. No. 218,986. (CLASS 15. OILS AND GREASES.) THE NATIONAL AUTOMOBILE SERVICE CORPORATION, Detroit, Mich. Filed Aug. 17, 1925.

Trade-mark consists of the letters "A. S. C." superimposed upon a red letter "N," as shown in the drawing. The letter "N" is lined to represent the color red.

*Particular description of goods.*—Gasoline, Kerosene, Lubricating Oils, and Greases.

*Claims use* since about Aug. 1, 1924.

Ser. No. 219,163. (CLASS 39. CLOTHING.) BETHLEHEM TEXTILES CO., Bethlehem, Pa. Filed Aug. 21, 1925.

No claim is made to the exclusive use of the word "Underthings" apart from the mark shown. Such disclaimer is not to be considered as waiving any of applicant's common-law rights in connection therewith.

*Particular description of goods.*—Underwear of Textile and Knitted Fabric.

*Claims use* since May 16, 1925.

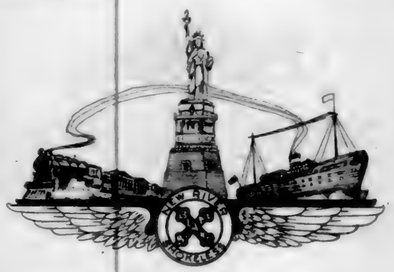
Ser. No. 219,510. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) YOUNG & GRIFFIN COFFEE CO. INC., New York, N. Y. Filed Aug. 28, 1925.

Franco-American

*Particular description of goods.*—Coffee.

*Claims use* since Dec. 9, 1903.

Ser. No. 219,572. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE C. G. BLAKE COMPANY, INC., Cincinnati, Ohio. Filed Aug. 31, 1925. Under ten-year proviso.




*Particular description of goods.*—Coal.

*Claims use* since 1890.

Ser. No. 219,674. (CLASS 39. CLOTHING.) MAX B. BRUMMER & SON INC., New York, N. Y. Filed Sept. 2, 1925.

CLEEVE

*Particular description of goods.*—Garments—Namely, Overcoats, Wraps, Suits, and Trousers.

*Claims use* since Aug. 4, 1925.

Ser. No. 219,826. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE KLOUD UPHOLSTERING CO., Chicago, Ill. Filed Sept. 4, 1925.

Kloud Balloon Cushion

No claim is made to the exclusive use of the words "Cushion" and "Kloud" or the design of the article itself. The lines of drawing indicate the color orange.

*Particular description of goods.*—Chair and Davenport Cushions.

*Claims use* since Mar. 1, 1925.

Ser. No. 219,827. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. & W. LINDT, Berne, Switzerland. Filed Sept. 4, 1925.

„HERLAN"

*Particular description of goods.*—Dietetical Products Consisting of a Mixture of Malt, Eggs, Milk, Oats, and Cocoa.

*Claims use* since Mar. 31, 1924.



Ser. No. 219,966. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENNINGSEN CREAMERY CO., Tacoma, Wash. Filed Sept. 9, 1925.

LAKE PARK BUTTER

The word "Butter" which appears on the drawing is disclaimed apart from the mark shown.

*Particular description of goods.*—Butter.

*Claims use* since October, 1918.

Ser. No. 220,024. (CLASS 17. TOBACCO PRODUCTS.) FREDERICK C. HITCH, New York, N. Y. Filed Sept. 9, 1925.

Ad-Packt

*Particular description of goods.*—Cigarettes.

*Claims use* since Aug. 31, 1925.

Ser. No. 220,091. (CLASS 39. CLOTHING.) MORRIS STEINBERG, Philadelphia, Pa. Filed Sept. 10, 1925.

No claim is made to the exclusive use of the words "Silken Stripe" apart from the mark shown on drawing.

*Particular description of goods.*—Men's and Young Men's Suits Made of Worsted With White Silk Stripes.

*Claims use* since Aug. 1, 1925.

Ser. No. 220,244. (CLASS 15. OILS AND GREASES.) MASURY-YOUNG COMPANY, Charlestown, Mass. Filed Sept. 14, 1925.

MYCO

*Particular description of goods.*—Lubricating Oils and Greases.

*Claims use* since 1895.

Ser. No. 220,273. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PRUNE & APRICOT GROWERS ASSOCIATION, San Jose, Calif. Filed Sept. 16, 1925.

ASSOCIATION

*Particular description of goods.*—Dried Fruit.

*Claims use* since June 1, 1925.

Ser. No. 220,285. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLACK & WHITE MILLING COMPANY, East St. Louis, Ill. Filed Sept. 15, 1925.

*Particular description of goods.*— Stock Feed—Namely, Horse and Mule Feed.

*Claims use* since June 1, 1921.

Ser. No. 220,302. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) GRYPHON RUBBER & TIRE CORP., New York, N. Y. Filed Sept. 16, 1925.

METROPOLITAN

Trade-mark consists of the word "Metropolitan".

*Particular description of goods.*—Automobile Rubber Tires and Tubes Therefor.

*Claims use* since December, 1921.

Ser. No. 220,460. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE MCCLARY MFG. CO., London, Ontario, Canada. Filed Sept. 19, 1925.

BONNY BLUE

No claim is made to the word "Blue" apart from the mark as shown.

*Particular description of goods.*—Enameled Kitchen and Cooking Utensils and Dishes.

*Claims use* since September, 1924.

Ser. No. 220,489. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AZUSA CITRUS ASSOCIATION, Azusa, Calif. Filed Sept. 21, 1925.

BLACK CRUSADER

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit.
*Claims use* since October, 1914.

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Ser. No. 220,497. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHITTENDEN, TURNER & COMPANY, INC., Boston, Mass. Filed Sept. 21, 1925.

PARFALENE

*Particular description of goods.*—Ice-Cream Powder.
*Claims use* since Jan. 9, 1925.

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Ser. No. 220,636. (CLASS 37. PAPER AND STATIONERY.) J. C. BARDELL, doing business as Bardell Art Printing Co., San Francisco, Calif. Filed Sept. 23, 1925.

VUPACK

*Particular description of goods.*—Mailing Container for Post Cards, Pictures, and Like Articles.
*Claims use* since Aug. 1, 1925.

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Ser. No. 220,681. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ADOLPH SAURER, INC., New York, N. Y. Filed Sept. 23, 1925.

Saurer

No claim is made herein to the word "Saurer" except in the distinctive manner in which it is shown in the drawing.
*Particular description of goods.*—Truck and Passenger Automobiles, Automobile Wheels, Radiators, Chassis, Bodies, and Parts Thereof.
*Claims use* since Mar. 15, 1923.

Ser. No. 220,707. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DETROIT RUBBER PRODUCTS, INC., Detroit, Mich. Filed Sept. 24, 1925.

SPHINX
GLASS RUN CHANNELS

No claim is made to the words "Silent," "Everlasting," and "Glass Run Channels" except in connection with the trade-mark shown.
*Particular description of goods.*—Glass Run Channels.
*Claims use* since Aug. 9, 1922.

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Ser. No. 220,751. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES N. WHITSON, doing business as Whitson Products Company, New York, N. Y. Filed Sept. 24, 1925.

WHITSON'S
Fruitine

No claim is made to the word "Whitson's."
*Particular description of goods.*—Food-Flavoring Extracts—Namely, Orange, Lemon, Lime, Strawberry, Rum, Loganberry, Almond, Peach, Pineapple, Wild Cherry, Grape, Raspberry, Peppermint, Sarsaparilla, Pistachio, Tutti-Frutti, Banana Flavor, Spearmint, Wintergreen, Cinnamon, and Butter Flavor.
*Claims use* since Jan. 15, 1907.

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Ser. No. 220,790. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARL F. NAEGELE, doing business as The Nip and Tuck, San Dimas, Calif. Filed Sept. 25, 1925.

NIP AND TUCK

*Particular description of goods.*—Canned Fruits, Canned Vegetables, Canned Fruit Preserves, Coffees, Teas, Spices, Food-Flavoring Extracts.
*Claims use* since June 15, 1925.



Ser. No. 220,836. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925.

TEDDY BEAR

AMERICAN STORES CO.

No claim is made to the registration of the name of the applicant except in the particular and distinctive manner shown by drawing.
*Particular description of goods.*—Canned Stringless Beans, Keiffer Pears, and Corn.
*Claims use* since 1914.

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Ser. No. 220,843. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) ADOLPH F. DIETRICH, doing business as Mid Valley Coal Company, Cairo, Ill. Filed Sept. 26, 1925.

HOTTEST SOOTLESS
SUPREME
ABOVE ALL
CLINKERLESS WHITE ASH

KING OF COALS

The words "Hottest, Sootless, Above All, Clinkerless, White Ash, Of Coals," are disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Coal.
*Claims use* since July, 1923.

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Ser. No. 220,845. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FROST FISHING TACKLE COMPANY, Stevens Point, Wis. Filed Sept. 26, 1925.

WATERWITCH

*Particular description of goods.*—Fishing Tackle—Namely, Artificial Flies, Books or Holders for Artificial Flies, Hooks, Both Plain and Snelled; Leaders of Both Gut and Wire, Trolling Bait; Spinners, Spoons, and Swivels for Fishing Bait, Silkworm Gut, and Fishing Lines.
*Claims use* since 1900.

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Ser. No. 220,924. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) P. E. SHARPLESS COMPANY, Philadelphia, Pa. Filed Sept. 28, 1925.

ACORN BRAND

Without waiver of any common-law rights applicant disclaims the right to the exclusive use of the word "Brand" apart from the mark shown therein.
*Particular description of goods.*—Butter, Cheese, and Evaporated Milk.
*Claims use* on butter since Jan. 1, 1899, and on cheese and evaporated milk since Jan. 1, 1911.

Ser. No. 220,932. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) C. A. WOOLSEY PAINT & COLOR CO., Jersey City, N. J. Filed Sept. 28, 1925.

*Particular description of goods.*—Dry, Ready-Mixed and Paste Paint; Varnishes, Varnish Stains, Oil Stains, Paint Enamels, Dry Colors, and Colors Ground in Oil.
*Claims use* since Sept. 1, 1924.

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Ser. No. 220,975. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAM A. SEALEY, doing business as Sealmastic Paint Company, New York, N. Y. Filed Sept. 29, 1925.

SEALMASTIC

*Particular description of goods.*—Paint Solution, Dry and Wet Rustproof Paints, and Dry and Wet Dampproof Paints.
*Claims use* since Jan. 15, 1914.

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Ser. No. 221,003. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) RICHARD FALTER, doing business as Richard Falter Company, New York, N. Y. Filed Sept. 30, 1925.

FALCOPAD

*Particular description of goods.*—Waterproofed Cotton-Fleeced Crib Sheets.
*Claims use* since Sept. 10, 1925.

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Ser. No. 221,005. (CLASS 15. OILS AND GREASES.) GLASGOW OIL AND REFINING CO., Glasgow and Louisville, Ky. Filed Sept. 30, 1925.

*Particular description of goods.*—Gasoline.
*Claims use* since June 1, 1923.

Ser. No. 221,023. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EUGENE E. NICE COMPANY, Philadelphia, Pa. Filed Sept. 30, 1925.

NEEOPAL

*Particular description of goods.*—Polishes to be Used for Polishing Automobiles, Pianos, Furniture, and Other Surfaces.
*Claims use* since Jan. 14, 1924.

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Ser. No. 221,044. (CLASS 39. CLOTHING.) B. ALTMAN & CO., New York, N. Y. Filed Oct. 1, 1925.

The Arundel

*Particular description of goods.*—Ladies' Hats.
*Claims use* since Sept. 14, 1925.

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Ser. No. 221,053. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK A. GARDNER, doing business as F. A. Gardner, Riverside, Calif. Filed Oct. 1, 1925.

F. A. G.

Moth Insurance

*Particular description of goods.*—Chemical Moth Killer and Moth Preventive.
*Claims use* since Apr. 1, 1924.

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Ser. No. 221,079. (CLASS 39. CLOTHING.) LEVI STRAUSS AND COMPANY, San Francisco, Calif. Filed Oct. 1, 1925.

'49er

*Particular description of goods.*—Men's Hosiery and Knitted Underwear.
*Claims use* since Oct. 1, 1924.

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Ser. No. 221,126. (CLASS 39. CLOTHING.) MARLBORO SHIRT COMPANY, INC., Baltimore, Md. Filed Oct. 2, 1925.

Marlboro

*Particular description of goods.*—Dress, Negligee, and Work Shirts.
*Claims use* since 1890.

Ser. No. 221,152. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FRED W. WILSON, INC., doing business as Sunrise Ginger Ale Co., Sag Harbor, N. Y. Filed Oct. 2, 1925.

Drawing lined for the colors red, blue, and green.
*Particular description of goods.*—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—viz, Ginger Ale.
*Claims use* since June 1, 1925.

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Ser. No. 221,262. (CLASS 12. CONSTRUCTION MATERIALS.) KEYSTONE HAIR INSULATOR COMPANY, Pittsburgh, Pa., and New York, N. Y. Filed Oct. 5, 1925.

THERMO FELT

Applicant disclaims the word "Felt" apart from the mark shown in the drawing.
*Particular description of goods.*—Sheets of Insulating Material Used for Insulating Buildings, Cars, Refrigerators, and the like.
*Claims use* since June 13, 1923.

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Ser. No. 221,279. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) RELIANCE MALT PRODUCTS CO., Chicago, Ill. Filed Oct. 5, 1925.

For the purpose of this registration only and without waiving any common-law rights, no claim is made to the word "Checker" apart from the mark as shown.
*Particular description of goods.*—Malt Extracts for Beverage Purposes.
*Claims use* since Dec. 4, 1924.



Ser. No. 221,287. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SQUIRE DINGEE COMPANY, Chicago, Ill. Filed Oct. 5, 1925.

Chips

*Particular description of goods.*—Pickles.
*Claims use* since on or about Sept. 1, 1925.

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Ser. No. 221,397. (CLASS 39. CLOTHING.) HARRY F. WATERS, St. Louis, Mo. Filed Oct. 7, 1925.

WRINK-LESS

*Particular description of goods.*—Neckties.
*Claims use* since June 1, 1925.

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Ser. No. 221,462. (CLASS 39. CLOTHING.) JOSEPH TERAN, Fall River, Mass. Filed Oct. 8, 1925.

FASHIONCRAFT
SUPERIOR GRADE

No claim is made to the exclusive use of the words "Superior Grade."
*Particular description of goods.*—Neckties and Cravats.
*Claims use* since Aug. 20, 1925.

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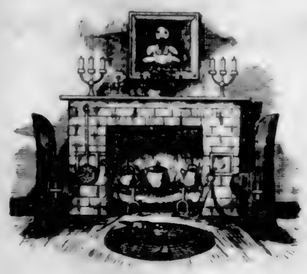
Ser. No. 221,466. (CLASS 32. FURNITURE AND UPHOLSTERY.) WEST-MADE DESK COMPANY, Portland, Oreg. Filed Oct. 8, 1925.

WEST-MADE

Applicant disclaims the words "West-Made" apart from the mark shown in the drawing, but reserves the common-law rights to these words in connection with all commodities sold under this brand.
*Particular description of goods.*—Office Furniture—Namely, Desks, Tables, Chairs, Filing Cabinets, Filing Boxes, Bookcases, Typewriter Cabinets, and Smoking Stands Made of Wood and Metal and Combinations of the Same; Chair Seats, Pads, and Cushions; House Furniture—Namely, Kitchen Cabinets, Kitchenettes, Kitchen Chairs and Tables, Wood and Metal Beds, Bed Springs, Bureaus, Dressers, Chiffoniers, Chifforettes, Davenports and Davenport Beds, Parlor Suites, Dining Tables and Chairs, Hatracks, Mattresses, Mirrors, Lounges, Day Beds, Medicine Cabinets, Library Chairs and Tables, Toilet Tables, Telephone Stands, Piano Benches, Stools and Chairs, Sewing Tables, Music Cabinets, Consoles, Morris Chairs, Rocking-Chairs, Settees, Infants' High Chairs, and Writing Desks.
*Claims use* since November, 1920.

Ser. No. 221,484. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. D. FOSS & CO., INC., Cambridge, Mass. Filed Oct. 9, 1925.



Chimney Corner

*Particular description of goods.*—Candy.
*Claims use* since June 25, 1924.

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Ser. No. 221,502. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHWESTERN MILLING CO., Little Falls, Minn. Filed Oct. 9, 1925.

No claim is made to the word "Minnesota" apart from the mark used.
*Particular description of goods.*—Wheat Flour.
*Claims use* since May, 1909.

Ser. No. 221,518. (CLASS 39. CLOTHING.) RUDOLPH J. TAUB, Brooklyn, N. Y. Filed Oct. 9, 1925.

The words "Taub Shoe Service" and the representation of the shoe soles and heels are disclaimed apart from the mark as shown.

*Particular description of goods.*—Wholesoles, Halfsoles, Heels, and the Service of Rebuilding Shoes, Attaching Soles and Heels Thereto.

*Claims use* since July 1, 1925.

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Ser. No. 221,545. (CLASS 17. TOBACCO PRODUCTS.) EXCELSIOR TOBACCO CO., St. Louis, Mo., assignor to Excelsior Tobacco Co., a Corporation of Missouri. Filed Oct. 10, 1925.

*Particular description of goods.*—Smoking and Chewing Tobacco.

*Claims use* since August, 1922.

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Ser. No. 221,549. (CLASS 2. RECEPTACLES.) THE C. J. FOX COMPANY, Providence, R. I. Filed Oct. 10, 1925.

The words "Mailing Box" are disclaimed apart from the mark shown.

*Particular description of goods.*—Foldable Mailing Boxes.

*Claims use* since Sept. 22, 1925.

Ser. No. 221,589. (CLASS 5. ADHESIVES.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 12, 1925.

*Particular description of goods.*—Adhesive Cement.

*Claims use* since Dec. 1, 1924.

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Ser. No. 221,591. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 12, 1925.

BAKELITE

*Particular description of goods.*—Paint Enamels, Lacquers, and Varnishes.

*Claims use* since Dec. 1, 1912.

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Ser. No. 221,594. (CLASS 5. ADHESIVES.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 12, 1925.

BAKELITE

*Particular description of goods.*—Adhesive Cement.

*Claims use* since Dec. 10, 1912.

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Ser. No. 221,637. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. K. POND COMPANY, Chicago, Ill. Filed Oct. 12, 1925.

MEADOW FARM

*Particular description of goods.*—Canned Chicken Broth.

*Claims use* since May 21, 1925.

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Ser. No. 221,717. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE RICHVEIN COAL COMPANY, Cincinnati, Ohio. Filed Oct. 14, 1925.

Old Crow

*Particular description of goods.*—Coal.

*Claims use* since Sept. 15, 1925.



Ser. No. 221,734. (CLASS 38. PRINTS AND PUBLICATIONS.) GERARD BARRY, doing business as Creative Studio, Chicago, Ill. Filed Oct. 15, 1925.

The DANCE

*Particular description of goods.*—Monthly Publication.

*Claims use* since Apr. 1, 1924.

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Ser. No. 221,755. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MASURY-YOUNG COMPANY, Charlestown, Mass. Filed Oct. 15, 1925.

MYCO

*Particular description of goods.*—Disinfectants.

*Claims use* since Nov. 4, 1905.

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Ser. No. 221,783. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN T. STANLEY CO., INC., New York, N. Y. Filed Oct. 15, 1925.

MOBO

Trade-mark consists of the word "Mobo."

*Particular description of goods.*—Furniture and Automobile Body Polishes, Top Dressing, Engine Enamel, and Tire Paint.

*Claims use* since Jan. 2, 1924, on furniture and automobile body polishes, and on top dressing, engine enamel, and tire paint since September, 1925.

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Ser. No. 221,790. (CLASS 39. CLOTHING.) LORETTA F. TIGHE, doing business as Youthfulform Brassiere Co., New York, N. Y. Filed Oct. 15, 1925.

ADOLESCENT

*Particular description of goods.*—Brassières and Combination Undergarments for Women and Girls, Made of Textile Fabrics, Including a Combination Brassière and Step-In.

*Claims use* since Aug. 20, 1925.

Ser. No. 221,840. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAMONT, CORLISS & COMPANY, New York, N. Y. Filed Oct. 16, 1925.

*Particular description of goods.*—Chocolate.

*Claims use* since Sept. 23, 1925.

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Ser. No. 221,858. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD VARNISH WORKS, New York, N. Y. Filed Oct. 16, 1925.

STAND-LAC

*Particular description of goods.*—Primers, Surfacers, or Paint Undercoatings, Paint Enamels, Solvents, Varnishes, Dry or Ready-Mixed Paint, Paste, and Stains, which Materials Consist More or Less of Pyroxylin or Paint Vehicle.

*Claims use* since 1911.

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Ser. No. 221,864. (CLASS 39. CLOTHING.) WIZARD LIGHTFOOT APPLIANCE COMPANY, St. Louis, Mo. Filed Oct. 16, 1925.

Trimfoot

*Particular description of goods.*—Men's, Women's, and Children's Shoes Made of Leather, Fabric, Rubber, and Combinations of the Same.

*Claims use* since June 1, 1925.

Ser. No. 221,891. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES J. GEORGIA, Waterbury, Conn. Filed Oct. 17, 1925.

U-GO

*Particular description of goods.*—Asthma Medicine; Toothache, Corn, Cough and Cold Medicines; Laxative, Salve for Cuts, Bruises, Rheumatism, Etc.; Skin Cream, Skin Lotion, Liniment, Headache Medicines, Hair Tonic, Hair Shampoo, Blood Tonic; Worm, Liver, and Indigestion Medicine.
*Claims use* since Jan. 1, 1925.

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Ser. No. 221,906. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE MICHIGAN DRUG CO., Detroit, Mich. Filed Oct. 17, 1925. Under ten-year proviso.

BRYANT'S

*Particular description of goods.*—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Extracts and Sirups for Making the Same.
*Claims use* since Jan. 1, 1893.

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Ser. No. 221,949. (CLASS 32. FURNITURE AND UPHOLSTERY.) B. H. DARROW, Oak Park, Ill. Filed Oct. 19, 1925.

Sani-Tabl-Tub

The words "Tabl-Tub" are disclaimed apart from the mark.
*Particular description of goods.*—Combination Articles which May be Used as a Table or Tub, but which are not to be Permanently Connected to the Plumbing System of a House.
*Claims use* since Sept. 25, 1925.

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Ser. No. 221,957. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH GOLBA, Gardner, Kans. Filed Oct. 19, 1925.

Golba

Trade-mark is facsimile of applicant's signature.
*Particular description of goods.*—Fistula Salve.
*Claims use* since Jan. 15, 1923.

Ser. No. 221,977. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) RAY COUNTY COAL CO., Richmond, Mo. Filed Oct. 19, 1925.

RAYCO

*Particular description of goods.*—Coal.
*Claims use* since April, 1924.

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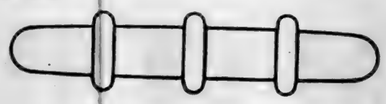
Ser. No. 221,984. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) TENNESSEE COAL, IRON & RAILROAD COMPANY, Birmingham, Ala. Filed Oct. 19, 1925.



*Particular description of goods.*—Plain, Corrugated, Round, Square, and Flat Iron and Steel.
*Claims use* since June 27, 1928.

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Ser. No. 222,000. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BRECHT CANDY COMPANY, Denver, Colo. Filed Oct. 20, 1925.

Chimpanzee
BAR

No claim is made to the exclusive use of the word "Bar" except in the connection shown in the drawing and illustrated in the facsimile.
*Particular description of goods.*—Candy.
*Claims use* since about Oct. 13, 1925.

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Ser. No. 222,010. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CALEDONIA CELLULOSE COMPANY, INC., New York, N. Y. Filed Oct. 20, 1925.

VESTALS

*Particular description of goods.*—Sanitary Napkins.
*Claims use* since Jan. 1, 1924.



Ser. No. 222,028. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN EDMOND HEARN, New York, N. Y. Filed Oct. 20, 1925.

NUT-RICH-US

*Particular description of goods.*—A Prepared Food Consisting Principally of Nuts.
*Claims use* since Sept. 15, 1925.

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Ser. No. 222,041. (CLASS 39. CLOTHING.) LUCILE SOMARCO BRASSIERE, New York, N. Y. Filed Oct. 20, 1925.

"Stepinall"

Trade-mark consists of the word "Stepinall."
*Particular description of goods.*—Combined Brassière, Girdle, and Drawers.
*Claims use* since Oct. 2, 1925.

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Ser. No. 222,094. (CLASS 39. CLOTHING.) SIGMUND STINGEL, doing business as Pittsburgh Uniform Tailoring Co., Pittsburgh, Pa. Filed Oct. 21, 1925.

*Particular description of goods.*—Work and Dress Shirts and Blouses.
*Claims use* since Oct. 1, 1925.

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Ser. No. 222,096. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Oct. 21, 1925.

Nitrotox

*Particular description of goods.*—Coating Preparations in the Nature of Lacquers Mixed or Not Mixed with Pigments.
*Claims use* since about Oct. 30, 1924.

Ser. No. 222,109. (CLASS 2. RECEPTACLES.) FRANK E. CLARK, doing business as Bridgeport Stone Co., Bridgeport, Conn. Filed Oct. 22, 1925.

NU-TANK

No claim is made to the word "Tank" apart from the mark shown.
*Particular description of goods.*—Septic Tanks.
*Claims use* since Apr. 1, 1924.

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Ser. No. 222,110. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLONIAL MILLING CO. Nashville, Tenn. Filed Oct. 22, 1925.

SUN
DROP

*Particular description of goods.*—Wheat Flour.
*Claims use* since Sept. 24, 1925.

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Ser. No. 222,111. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. G. FETTEROLF COMPANY, Wayne Junction, Philadelphia, Pa. Filed Oct. 22, 1925.

FETTEROLF

The trade-mark consists of three gold or yellow colored stripes beneath the word "Fetterolf." No claim is made to the exclusive use of the word "Fetterolf."
*Particular description of goods.*—Textile Rugs and Carpets.
*Claims use* since Sept. 15, 1925.

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Ser. No. 222,120. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES HEWITT & SONS COMPANY, Des Moines, Iowa. Filed Oct. 22, 1925.

FULLA-FRUIT

Applicant disclaims the word "Fruit" apart from the mark as shown.
*Particular description of goods.*—Canned Fruits—Namely, Peaches, Pears, Black Raspberries, Red Pitted Cherries, White Cherries, Pineapple, and Apricots.
*Claims use* since Aug. 31, 1925.

Ser. No. 222,122. (CLASS 39. CLOTHING.) DANIEL JEITTELES, ESSLINGEN, Esslingen, Germany. Filed Oct. 22, 1925.

PRIMA DONNA

*Particular description of goods.*—Leather Gloves.
*Claims use* since 1903.

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Ser. No. 222,123. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH L. JOHNS, Manhattan, Kans. Filed Oct. 22, 1925.

Let's Go

*Particular description of goods.*—Candy Bar and an Ice-Cream Brick.
*Claims use* since Oct. 1, 1925.

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Ser. No. 222,132. (CLASS 37. PAPER AND STATIONERY.) THE NORTHWEST PAPER COMPANY, Cloquet, Minn. Filed Oct. 22, 1925.

Nortex

*Particular description of goods.*—Wrapping Paper.
*Claims use* since June 6, 1925.

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Ser. No. 222,133. (CLASS 37. PAPER AND STATIONERY.) THE NORTHWEST PAPER COMPANY, Cloquet, Minn. Filed Oct. 22, 1925.

KLO-KAY

*Particular description of goods.*—Writing Paper, Drawing Paper, and Printing Paper.
*Claims use* since Aug. 8, 1924.

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Ser. No. 222,150. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WINSOR & NEWTON, LTD., London, England. Filed Oct. 22, 1925.

CEROLINE

*Particular description of goods.*—Artists' Colors.
*Claims use* since Mar. 3, 1925.

Ser. No. 222,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EGERTON BROTHERS, Baltimore, Md. Filed Oct. 23, 1925. Under ten-year proviso.

POWELL No. 1

*Particular description of goods.*—Table and Cooking Sirups.
*Claims use* since 1880.

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Ser. No. 222,180. (CLASS 39. CLOTHING.) H. A. GRUNEWALD AND L. P. KELLER, Chicago, Ill. Filed Oct. 23, 1925.

Francine

*Particular description of goods.*—Brassières, Girdle and Brassière Combinations, Girdles, and Corsets.
*Claims use* since January, 1925.

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Ser. No. 222,184. (CLASS 39. CLOTHING.) G. LOUIS COMPANY, Chicago, Ill. Filed Oct. 23, 1925.

PAR-TEX

*Particular description of goods.*—Knitted and Textile Underwear, Knitted and Fabric Bathing Suits, Hosiery; Dress, Negligee, and Work and Undershirts; Sweaters, and Sport Coats of Knitted and Textile Fabric.
*Claims use* since Oct. 16, 1925.

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Ser. No. 222,196. (CLASS 38. PRINTS AND PUBLICATIONS.) SIMMONS BOARDMAN PUBLISHING CO., New York, N. Y. Filed Oct. 23, 1925.

Railway Electrical Engineer

*Particular description of goods.*—Magazine Published Periodically.
*Claims use* since June, 1909.



Ser. No. 222,197. (CLASS 38. PRINTS AND PUBLICATIONS.) SIMMONS BOARDMAN PUBLISHING CO., New York, N. Y. Filed Oct. 23, 1925.

Railway Mechanical Engineer

*Particular description of goods.*—Magazine Published Periodically.
*Claims use* since January, 1916.

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Ser. No. 222,222. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) C-V EQUIPMENT CORPORATION, Utica, N. Y. Filed Oct. 24, 1925.

CV

*Particular description of goods.* — Gasoline-Hose Nozzles.
*Claims use* since 1st of September, 1925.

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Ser. No. 222,228. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. ENS, doing business as Enz-O-Jel Company, Sheboygan, Wis. Filed Oct. 24, 1925.

*Particular description of goods.*—Jelly Powders.
*Claims use* since Oct. 19, 1925.

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Ser. No. 222,235. (CLASS 39. CLOTHING.) GOSSLING AND FERRE, INC., New York, N. Y. Filed Oct. 24, 1925.

MERLITEX

*Particular description of goods.*—Fabric Gloves.
*Claims use* since July 1, 1925.

Ser. No. 222,255. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HUDSON VALLEY PURE FOOD COMPANY, INC., Highland, N. Y. Filed Oct. 24, 1925.

Hudsonvale

*Particular description of goods.*—Nonalcoholic, Maltless Beverages Sold as Soft Drinks, and Sirups and Extracts for Making Same.
*Claims use* since February, 1923.

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Ser. No. 222,290. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Oct. 24, 1925.

BRUSHLAK

*Particular description of goods.*—Coating Preparations in the Nature of Lacquers Mixed or Not Mixed with Pigments.
*Claims use* since about Oct. 30, 1924.

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Ser. No. 222,332. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOORMAN MFG. CO., Quincy, Ill. Filed Oct. 26, 1925.

*Particular description of goods.*—Mineral Feed for Poultry.
*Claims use* since Aug. 4, 1925.

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Ser. No. 222,339. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PANGO MILK CHOCOLATE COMPANY, Toledo, Ohio. Filed Oct. 26, 1925.

MELO

*Particular description of goods.*—Chocolate Malted Milk.
*Claims use* since Oct. 9, 1925.

Ser. No. 222,372. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEL MONTE PROPERTIES COMPANY, San Francisco, Calif. Filed Oct. 27, 1925.

Del Monte

*Particular description of goods.*—Lard and Cheese.
*Claims use* since Aug 1, 1925, as to lard and since 1920 as to cheese.

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Ser. No. 222,394. (CLASS 15. OILS AND GREASES.) THE POCAHONTAS OIL COMPANY, Cleveland, Ohio. Filed Oct. 27, 1925.

BLUE FLASH GAS

The mark consists of the arbitrary words "Blue-Flash Gas". The words have generally been applied in white letters on a blue background with small blue streaks appearing on the letters, which streaks become white where they extend on the blue background, and the blue portions of the streaks are designated by the black ink. No claim is made to the exclusive use of the word "Gas".
*Particular description of goods.*—Gasoline.
*Claims use* since Oct. 5, 1924.

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Ser. No. 222,397. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PURITY BISCUIT COMPANY, Salt Lake City, Utah. Filed Oct. 27, 1925.

FIG NUGGETS

The word "Fig" is disclaimed apart from the mark shown on the drawing.
*Particular description of goods.*—Cookies, Cakes, Crackers, and Biscuits.
*Claims use* since Sept. 1, 1921.

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Ser. No. 222,404. (CLASS 37. PAPER AND STATIONERY.) RAPID ADDRESSING MACHINE COMPANY, New York, N. Y. Filed Oct. 27, 1925. Under ten-year proviso.

RAPID ADDRESSING MACHINE CO. BELKNAP SYSTEM

*Particular description of goods.*—Stencil Cards.
*Claims use* since Apr. 9, 1894.

Ser. No. 222,405. (CLASS 37. PAPER AND STATIONERY.) RAPID ADDRESSING MACHINE COMPANY, New York, N. Y. Filed Oct. 27, 1925. Under ten-year proviso.

BELKNAP

*Particular description of goods.*—Stencil Cards.
*Claims use* since Apr. 9, 1894.

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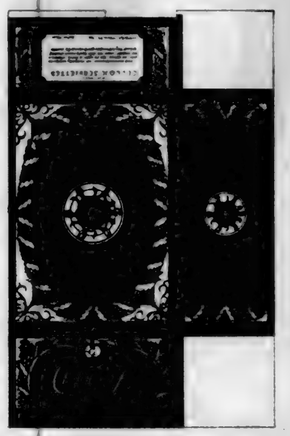
Ser. No. 222,415. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THOMAS PRODUCTS, INC., Boston, Mass. Filed Oct. 27, 1925.



*Particular description of goods.*—Extracting Forceps.
*Claims use* since Dec. 30, 1924.

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Ser. No. 222,424. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 28, 1925.

BAKELITE

*Particular description of goods.*—Pistol Grips and Butt Plates.
*Claims use* since June 12, 1918.



Ser. No. 222,443. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CRYSTAL-LEE, INC., New York, N. Y. Filed Oct. 28, 1925.

Crystal-Lee

No claim is made to the word "Lee" except in conjunction with the other elements of the trade-mark.
*Particular description of goods.*—Face Powder, Face Packs, Pore Cream, Bleach Cream, Tissue Cream for Dry Skin, Cream for Oily Skin, Cream for Dry Skin, Astringent, Stimulant, Skin Tonic, Face Lotion, Hand Lotion, Wave Lotion, Scalp Pomade, Tonic for Oily Hair, Tonic for Dry Hair, Liquid Shampoo, Tonic for Falling Hair, Toilet Water, Rouges, Perfumes, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Smelling Salts, Bath Salts, Sachets, and Incense.
*Claims use* since Nov. 22, 1924.

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Ser. No. 222,496. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BRUNSWICK TIRE CORPORATION, New York, N. Y. Filed Oct. 29, 1925.

SUBURBAN

*Particular description of goods.*—Rubber Vehicle Tires and Inner Tubes.
*Claims use* since April, 1922.

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Ser. No. 222,497. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CITRUS PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 29, 1925.

CHOCOLATE SOLDIER

*Particular description of goods.*—Noncereal, Maltless, Nonalcoholic Beverages and Compounds for Making the Same.
*Claims use* since July 1, 1925.

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Ser. No. 222,512. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE LOWE BROTHERS COMPANY, Dayton, Ohio. Filed Oct. 29, 1925.

Neptoseal

*Particular description of goods.*—Filler, Primer, Sealer, and Surfacer.
*Claims use* since Oct. 15, 1925.

Ser. No. 222,514. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE LOWE BROTHERS COMPANY, Dayton, Ohio. Filed Oct. 29, 1925.

T V P

*Particular description of goods.*—Varnish Primer and Liquid Filler.
*Claims use* since April, 1899.

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Ser. No. 222,517. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE OHIO CHEMICAL AND MANUFACTURING COMPANY, Cleveland, Ohio. Filed Oct. 29, 1925.

LENNOX

No claim is made to the word "Lennox" apart from the mark shown.
*Particular description of goods.*—Nitrous Oxid, Ethylene Ether, $CO_2$ Ether, Dunlop Vapor, Dermalene, and Compressed Gases and Chemicals.
*Claims use* since Jan. 1, 1896.

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Ser. No. 222,528. (CLASS 2. RECEPTACLES.) STOLLERY BROS., INC., Chicago, Ill. Filed Oct. 29, 1925.

Betty Jane Basket

Trade-mark consists of the words "Betty Jane Basket." No claim is made to the word "Basket" apart from "Betty Jane."
*Particular description of goods.*—Flower Baskets.
*Claims use* since about Sept. 10, 1925.

Ser. No. 222,575. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. S. PIERCE Co., Boston, Mass. Filed Oct. 30, 1925.

No exclusive right to use the word "Paris" is claimed. The drawing is lined to indicate yellow.

*Particular description of goods.*—Perfumes, Toilet Water, Face Powder, Talcum Powder, Bath Powder, Bath Salts.

*Claims use* since July 28, 1925.

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Ser. No. 222,576. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. S. PIERCE Co., Boston, Mass. Filed Oct. 30, 1925.

No exclusive right to the word "Paris" is claimed. The drawing is lined to indicate the color yellow.

*Particular description of goods.*—Perfumes, Toilet Water, Face Powder, Talcum Powder, Bath Powder, and Bath Salts.

*Claims use* since July 28, 1925.

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Ser. No. 222,600. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEWIS R. DONELSON, Jr., Memphis, Tenn. Filed Oct. 31, 1925.

BETTER MAID

*Particular description of goods.*—Pancake Flour.

*Claims use* since June 17, 1925.

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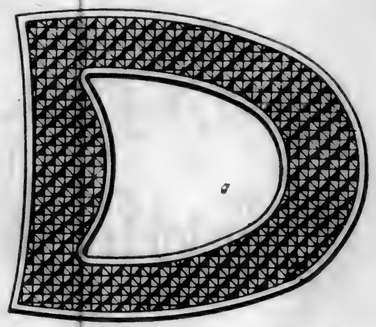
Ser. No. 222,604. (CLASS 39. CLOTHING.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 31, 1925.

Facile

*Particular description of goods.*—Corsets.

*Claims use* since June 1, 1917.

Ser. No. 222,643. (CLASS 39. CLOTHING.) UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass. Filed Oct. 31, 1925.



*Particular description of goods.*—Rubber Heels.

*Claims use* since July 1, 1925.

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Ser. No. 222,653. (CLASS 39. CLOTHING.) THE ADIRONDACK KNIT GOODS CO., INC., Ballston Spa, N. Y. Filed Nov. 2, 1925.

Adirondacknit

*Particular description of goods.*—Knit Gloves, Knit Socks, Knit Sweaters, Knit Half Hose, and Knit Bathing Suits.

*Claims use* since May 1, 1922.

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Ser. No. 222,662. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Nov. 2, 1925.

Souret

*Particular description of goods.*—Women's Shoes Made of Leather, Rubber, and Fabric and Combinations of the Same.

*Claims use* since Aug. 1, 1925.

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Ser. No. 222,699. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS H. ODENEAL, Beverly, Mass. Filed Nov. 2, 1925.

LAKATIFPOP

*Particular description of goods.*—Laxative Confection.

*Claims use* since Oct. 22, 1925.



Ser. No. 222,709. (CLASS 39. CLOTHING.) J. SCHONEMAN, INCORPORATED, Baltimore, Md. Filed Nov. 2, 1925.

GRAMATAN

*Particular description of goods.*—Men's, Youths', and Boys' Outer Garments Comprising Coats, Vests, Trousers, Knickerbockers, Overcoats, Mackinaws, Jackets, and Overalls; Children's and Youths' Rompers, and Children's and Misses' Bloomers.

*Claims use* since June, 1925.

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Ser. No. 222,710. (CLASS 39. CLOTHING.) J. SCHONEMAN, INCORPORATED, Baltimore, Md. Filed Nov. 2, 1925.

DONGANON

*Particular description of goods.*—Men's Youths', and Boys' Outer Garments Comprising Coats, Vests, Trousers, Knickerbockers, Overcoats, Mackinaws, Jackets, and Overalls; Children's and Youths' Rompers, and Children's and Misses' Bloomers.

*Claims use* since June, 1925.

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Ser. No. 222,723. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN SASHWEIGHT CO., INC., New York, N. Y. Filed Nov. 3, 1925.

ASCO

*Particular description of goods.*—Sash Weights.

*Claims use* since Jan. 1, 1924.

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Ser. No. 222,743. (CLASS 39. CLOTHING.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Nov. 3, 1925.

Wearite

*Particular description of goods.*—Knitted Underwear.

*Claims use* since June 1, 1918.

Ser. No. 222,747. (CLASS 39. CLOTHING.) HERZOG & KRAMER, New York, N. Y. Filed Nov. 3, 1925.

Roytex

*Particular description of goods.*—Bath Robes and Bath Robings.

*Claims use* since Sept. 20, 1925.

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Ser. No. 222,796. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR M. PHILLIPS, doing business as The Arbray Chemical Company, Canton, Ohio. Filed Nov. 4, 1925.

EASE ERASE

*Particular description of goods.*—Ink Eraser or Eradicator.

*Claims use* since Sept. 5, 1925.

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Ser. No. 222,812. (CLASS 39. CLOTHING.) BARMON BROTHERS COMPANY, INC., Buffalo, N. Y. Filed Nov. 5, 1925.

FLASHON

*Particular description of goods.*—Dresses.

*Claims use* since Oct. 15, 1925.

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Ser. No. 222,942. (CLASS 39. CLOTHING.) RELIANCE TOGS, INC., New York, N. Y. Filed Nov. 6, 1925.

"FLAPPERNIKS"

*Particular description of goods.*—Ladies' and Misses' Knickerbockers of Wool and Cotton.

*Claims use* since Sept. 5, 1925.

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Ser. No. 222,943. (CLASS 39. CLOTHING.) RICE & HUTCHINS, INCORPORATED, Boston, Mass. Filed Nov. 6, 1925.

Step-Along

*Particular description of goods.*—Boots and Shoes.

*Claims use* since Sept. 22, 1925.

Ser. No. 223,007. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) WESTERN BOTTLE MANUFACTURING COMPANY, at times doing business as The Western Company, Chicago, Ill. Filed Nov. 7, 1925.

Corail

*Particular description of goods.*—Powder Puffs.
*Claims use* since Oct. 30, 1925.

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Ser. No. 223,031. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HUGO FRIEDMAN, doing business as The Hugo Friedman Mfg. Co., Chicago, Ill. Filed Nov. 9, 1925.

CORONA

*Particular description of goods.*—Extracting Forceps.
*Claims use* since Dec. 30, 1924.

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Ser. No. 223,075. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BAUSCH AND LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Nov. 10, 1925.

The trade-mark consists of a single spot of white metal applied at the forward end of a spectacle temple of the nonmetallic type. No claim is made to the representation of a spectacle temple apart from the mark shown.

*Particular description of goods.*—Spectacle Temples.
*Claims use* since 1921.

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Ser. No. 223,158. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BANKS STEEL POST COMPANY, Newark, N. J. Filed Nov. 12, 1925.

All of the wording on the drawing is disclaimed apart from the other features of the mark, with the exception of the name "Ace of Clubs."

*Particular description of goods.*—Steel Clothes Posts.
*Claims use* since Dec. 24, 1924.

Ser. No. 223,213. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL INC., New York, N. Y. Filed Nov. 13, 1925.

No. 14

*Particular description of goods.*—Perfume and Toilet Water.
*Claims use* since January, 1922.

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Ser. No. 223,214. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL INC., New York, N. Y. Filed Nov. 13, 1925.

No. 22

*Particular description of goods.*—Perfume and Toilet Water.
*Claims use* since January, 1922.

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Ser. No. 223,215. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL INC., New York, N. Y. Filed Nov. 13, 1925.

No. 55

*Particular description of goods.*—Perfume and Toilet Water.
*Claims use* since January, 1922.

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Ser. No. 223,367. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN CAMPBELL & CO., INC., New York, N. Y. Filed Nov. 16, 1925.

CAMASOL

*Particular description of goods.*—Soluble Oil for the Textile Trade.
*Claims use* since May 20, 1925.

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Ser. No. 223,433. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AHLSCHLAGER & EDWARDS, Chicago, Ill. Filed Nov. 18, 1925.

H. R. H.

*Particular description of goods.*—Face Powder.
*Claims use* since Nov. 6, 1925.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

DECEMBER 22, 1925.

207,123. CANNED FISH. JOHN BRAADLAND LTD., doing business as Venus Packing Co., Stavanger, Norway, and Boston, Mass.
Filed March 17, 1923. Serial No. 177,591. PUBLISHED MARCH 3, 1925.

207,124. MEN'S SHOES OF LEATHER. INTERNATIONAL SHOE COMPANY, doing business as Peter's Shoe Company, St. Louis, Mo.
Filed August 14, 1923. Serial No. 184,456. PUBLISHED MARCH 4, 1924.

207,125. SALAD DRESSING ADAPTED TO BE USED AS A SANDWICH SPREAD AND CONSISTING OF CHOPPED OLIVES IN A MAYONNAISE BASE. SHAEFFER PRODUCTS CO., Minneapolis, Minn.
Filed October 10, 1923. Serial No. 186,805. PUBLISHED MAY 19, 1925.

207,126. LUBRICATING OILS. THE SCHILLING-COLLISON COMPANY, Los Angeles, Calif.
Filed October 29, 1923. Serial No. 187,644. PUBLISHED AUGUST 26, 1924.

207,127. FOOD PRODUCT CONSISTING OF SUGAR COMBINED WITH DRY SKIM MILK, DRY WHOLE MILK, COCOA, AND MALT. MARSHAK MALTMOLAK CO. INC., New York and Brooklyn, N. Y.
Filed June 12, 1924. Serial No. 198,465. PUBLISHED SEPTEMBER 23, 1924.

207,128. HOSIERY. CHARLES BROADWAY ROUSS, New York, N. Y.
Filed June 21, 1924. Serial No. 198,966. PUBLISHED NOVEMBER 11, 1924.

207,129. GASOLINE, KEROSENE, LUBRICATING OILS AND GREASES, AND FUEL OILS. UTILITY OIL CORPORATION, New York and Long Island City, N. Y.
Filed July 14, 1924. Serial No. 200,023. PUBLISHED SEPTEMBER 1, 1925.

207,130. SMOKED MEATS—NAMELY, HAM AND BACON. JACOB MOSCHEL'S SONS INC., Buffalo, N. Y.
Filed August 12, 1924. Serial No. 201,300. PUBLISHED DECEMBER 9, 1924.

207,131. CANDY. GARDNER'S CANDIES, INC., New York, N. Y.
Filed August 14, 1924. Serial No. 201,401. PUBLISHED MARCH 3, 1925.

207,132. SOAPS. WILLESEN MANUFACTURING COMPANY, Malden, Mass.
Filed August 30, 1924. Serial No. 202,088. PUBLISHED OCTOBER 14, 1924.

207,133. HEATPROOF TABLES FOR USE OVER RADIATORS. THE JOHNSON COMPANY, INC., Philadelphia, Pa.
Filed September 4, 1924. Serial No. 202,211. PUBLISHED DECEMBER 30, 1924.

207,134. CANNED FRUITS, CANNED BERRIES, CANNED VEGETABLES, CANNED FISH; CANNED MEATS—NAMELY, SAUSAGE; MACARONI, SPAGHETTI; CONDIMENTS—NAMELY, TOMATO CATCHUP, SALAD MUSTARD, AND SALAD DRESSING; VINEGAR, PICKLES, FOOD-FLAVORING EXTRACTS, SPICES, EVAPORATED MILK, FRUIT JELLY, FRUIT JAM, FRUIT PRESERVES, TABLE SIRUP, AND CANDY. PURYEAR GROCER COMPANY, Jonesboro, Ark.
Filed September 22, 1924. Serial No. 202,893. PUBLISHED MARCH 24, 1925.

207,135. PUMP VALVES AND SHEET, STEAM, AIR, AMMONIA, WATER, AND OIL PACKING. CRANDALL PACKING COMPANY, Palmyra, N. Y.
Filed December 4, 1924. Serial No. 206,222. PUBLISHED JUNE 9, 1925.

207,136. DENTAL RUBBER FOR USE IN THE PRODUCTION OF DENTAL PLATES. CHARLES H. KETTLES, Indianapolis, Ind.
Filed December 4, 1924. Serial No. 206,241. PUBLISHED FEBRUARY 3, 1925.

207,137. HAIR TONIC. THE WRINKLE-INE CHEMICAL COMPANY, Denver, Colo.
Filed December 12, 1924. Serial No. 206,650. PUBLISHED AUGUST 11, 1925.

207,138. WELDING RODS. PUROX COMPANY, Denver, Colo.
Filed December 23, 1924. Serial No. 207,150. PUBLISHED SEPTEMBER 22, 1925.

207,139. BUILDERS' HARDWARE. EMIL BOMMER, doing business as Bommer Spring Hinge Co., New York N. Y.
Filed January 2, 1925. Serial No. 207,548. PUBLISHED MARCH 24, 1925.

207,140. CANNED VEGETABLES—NAMELY, CANNED CORN. IROQUOIS CANNING CORPORATION, Onarga, Ill.
Filed January 15, 1925. Serial No. 208,146. PUBLISHED APRIL 28, 1925.

207,141. COAL. THE ROACH CREEK COAL COMPANY, Cincinnati, Ohio.
Filed February 9, 1925. Serial No. 209,322. PUBLISHED JULY 14, 1925.

207,142. ELECTRIC MACHINE FOR SUPPLYING AIR, LIGHT, AND POWER, AND FOR USE IN AUTO GARAGES AND GASOLINE SERVICE STATIONS. TENNANT BROTHERS, INC., Dallas, Tex.
Filed February 12, 1925. Serial No. 209,507. PUBLISHED OCTOBER 6, 1925.

207,143. BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. JARMAN SHOE CO., Nashville, Tenn., assignor to Jarman Shoe Company, a Corporation of Tennessee.
Filed June 15, 1925. Serial No. 215,790. PUBLISHED SEPTEMBER 15, 1925.

207,144. INNER TUBES FOR PNEUMATIC TIRES. HOOD RUBBER COMPANY, Watertown, Mass.
Filed June 17, 1925. Serial No. 215,932. PUBLISHED AUGUST 4, 1925.

207,145. CARD-INDEXING MACHINES. AUTODEX COMPANY, Waynesboro, Pa.
Filed June 23, 1925. Serial No. 216,251. PUBLISHED OCTOBER 6, 1925.

207,146. CANDY. E. A. HOFFMAN CANDY CO., Los Angeles, Calif.
Filed June 27, 1925. Serial No. 216,536. PUBLISHED OCTOBER 6, 1925.

207,147. AUTOMOBILE TIRE CASINGS AND TUBES. UNITED STATES FARM SALES COMPANY, Salina, Kans.
Filed July 1, 1925. Serial No. 216,752. PUBLISHED OCTOBER 6, 1925.

207,148. CHOCOLATES, CANDY, BISCUITS, AND COCOA. M. T. E. V. RADEMAKER'S KON. CACAO & CHOCOLADE FABRIEKEN, The Hague, Netherlands.
Filed July 2, 1925. Serial No. 216,792. PUBLISHED OCTOBER 6, 1925.

207,149. PUMPS, HYDRAULIC AND PNEUMATIC PUMP-CONTROLLING DEVICES, AND VALVES THEREFOR. SIEMEN & HINSCH, St. Margarethen, Holstein, Germany.
Filed July 11, 1925. Serial No. 217,233. PUBLISHED OCTOBER 13, 1925.

207,150. HARROWS, CULTIVATORS, EDGED DISKS FOR AGRICULTURAL IMPLEMENTS, PLOWS, HORSE HOES, FIELD SEEDERS, LAWN ROLLERS, FIELD ROLLERS, CIDER MILLS, FRUIT PRESSES, ROOT CUTTERS, TOBACCO PRESSES, WEEDERS, AND PARTS THEREOF. THE CUTAWAY HARROW COMPANY, Higganum, Conn.
Filed July 18, 1925. Serial No. 217,542. PUBLISHED OCTOBER 13, 1925.

207,151. ELECTRIC STORAGE BATTERIES OR ACCUMULATORS AND PARTS THEREOF. MAX DANNENHIRSCH, doing business as The Dannenhirsch Co., Philadelphia, Pa.
Filed July 18, 1925. Serial No. 217,544. PUBLISHED OCTOBER 6, 1925.

207,152. OLEO OIL. G. H. HAMMOND COMPANY, Chicago, Ill.
Filed July 23, 1925. Serial No. 217,770. PUBLISHED OCTOBER 6, 1925.

207,153. SPRING WATER. ABITA SPRING WATER COMPANY, Abita Springs, La.
Filed July 24, 1925. Serial No. 217,809. PUBLISHED SEPTEMBER 8, 1925.

207,154. [WITHDRAWN.]

207,155. MACHINES, PARTICULARLY TOOL-MAKING MACHINES, AUTOMATIC REVOLVING LATHES, AUTOMATIC REVOLVING SCREW LATHES, GRINDING MACHINES, STRAIGHTENING PRESSES. INDEX-WERKE HAHN & KOLB, Esslingen-on-the-Neckar, Germany.
Filed July 28, 1925. Serial No. 218,010. PUBLISHED OCTOBER 6, 1925.

207,156. SWEET SPICED PEPPER SAUCE. FLEMING-GREEN COMPANY, INC., Montgomery, Ala.
Filed August 3, 1925. Serial No. 218,302. PUBLISHED OCTOBER 6, 1925.

207,157. RUBBER TIRE PATCHES. CENTRAL LABORATORIES CO., Wheeling, W. Va.
Filed August 10, 1925. Serial No. 218,609. PUBLISHED OCTOBER 13, 1925.

207,158. BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. JARMAN SHOE CO., Nashville, Tenn.
Filed August 21, 1925. Serial No. 219,187. PUBLISHED OCTOBER 6, 1925.

207,159. CANNED, BOTTLED, AND BOXED FIGS, TABLE SIRUP, AND CANDIED OR CRYSTALLIZED FIGS. ANGLETON FIG COMPANY, Angleton, Tex.
Filed May 1, 1925. Serial No. 213,610. PUBLISHED OCTOBER 13, 1925.

207,160. FUEL OIL, ANIMAL OIL AND GREASES, LUBRICATING OIL, ILLUMINATING OIL, VEGETABLE OIL AND GREASES, TEXTILE OILS, TANNERS' OILS, MINERAL OILS AND GREASES, TANNERS' AND TEXTILE GREASES, LUBRICANTS AND SPECIALTIES IN THE SAME CLASS, LUBRICATING GREASES, AUTOMOBILE AND TRACTOR OIL AND GREASES, ALL USED FOR LUBRICATING PURPOSES. REYNOLDS OIL & GREASE CO., Boston, Mass.
Filed April 24, 1925. Serial No. 213,259. PUBLISHED OCTOBER 6, 1925.

207,161. FUEL OIL, ANIMAL OIL AND GREASES, LUBRICATING OIL, ILLUMINATING OIL, VEGETABLE OIL AND GREASES, TEXTILE OILS, TANNERS' OILS, MINERAL OILS AND GREASES, TANNERS' AND TEXTILE GREASES, LUBRICANTS AND SPECIALTIES IN THIS SAME CLASS, LUBRICATING GREASES, AUTOMOBILE AND TRACTOR OIL AND GREASES, ALL USED FOR LUBRICATING PURPOSES. REYNOLDS OIL & GREASE CO., Boston, Mass.
Filed April 24, 1925. Serial No. 213,258. PUBLISHED OCTOBER 6, 1925.

207,162. FRESH CITRUS FRUITS—NAMELY, FRESH ORANGES, LEMONS, AND GRAPEFRUIT. FOOTHILL GROVES, Yorba Linda, Calif.
Filed April 18, 1925. Serial No. 212,910. PUBLISHED OCTOBER 13, 1925.

207,163. RADIO, AUTOMOBILE, AND TELEPHONE SUPPLIES. WILDENBERG BROTHERS, doing business as W. B. Manufacturing Company, New York, N. Y.
Filed April 17, 1925. Serial No. 212,871. PUBLISHED OCTOBER 6, 1925.

207,164. PAINTED AND ENAMELED SLATE, TOILET PARTITIONS, URINAL STALLS, SHOWER STALLS, SINKS, AND SINK TOPS. THE STRUCTURAL SLATE CO., Pen Argyl, Pa.
Filed April 8, 1925. Serial No. 212,408. PUBLISHED SEPTEMBER 15, 1925.

207,165. LOCKS, KEYS, AND PARTS OF LOCKS. BEST UNIVERSAL LOCK CO., Seattle, Wash.
Filed April 7, 1925. Serial No. 212,316. PUBLISHED OCTOBER 13, 1925.

207,166. FOOD SAUCES ADAPTED FOR PREPARING LOBSTER, CRAB MEAT, SHRIMPS, CLEAR OR MOCK TURTLE, TERRAPIN, SWEETBREADS, MINCED CHICKEN, MUSHROOMS, WELSH RAREBIT, ETC., OR FOR USE ON PUDDING. L. VALLÉE & COMPANY, INC., doing business as Bellegarde & Cie., New York, N. Y.
Filed March 19, 1925. Serial No. 211,311. PUBLISHED OCTOBER 6, 1925.

207,167. ATHLETIC CLOTHING FOR MEN AND WOMEN. CHANCELLOR & VAUGHAN, INC., Chicago, Ill.
Filed March 13, 1925. Serial No. 210,954. PUBLISHED OCTOBER 13, 1925.

207,168. LUBRICANTS FOR BRAKES, BELTS, CLUTCHES, AND SPRINGS. MADISON M. MAKEEVER, doing business as Lubricant Laboratories, Boston, Mass., assignor to Lubricant Laboratories, Inc., Boston, Mass., a Corporation of Delaware.
Filed February 5, 1925. Serial No. 209,131. PUBLISHED AUGUST 4, 1925.

207,169. GREEN COFFEE. LEON ISRAEL & BROS. INC., New York, N. Y.
Filed February 3, 1925. Serial No. 209,039. PUBLISHED OCTOBER 13, 1925.

207,170. HACK-SAW BLADES. MILLERS FALLS COMPANY, Millers Falls, Mass., and New York, N. Y.
Filed January 31, 1925. Serial No. 208,922. PUBLISHED OCTOBER 6, 1925.

207,171. CANNED TOMATOES. NELSON CANNING COMPANY, Lovingston, Va.
Filed November 8, 1924. Serial No. 205,025. PUBLISHED OCTOBER 13, 1925.

207,172. TAPIOCA. CARRIE A. MCKINLEY, doing business as The Ceylon Spice Co., Philadelphia, Pa.
Filed October 30, 1924. Serial No. 204,619. PUBLISHED OCTOBER 6, 1925.

207,173. PIECE GOODS MADE OF WOOL. ROUBAIX MILLS, INC., New York, N. Y., and Clinton, Mass.
Filed September 10, 1924. Serial No. 202,462. PUBLISHED NOVEMBER 4, 1924.



207,174. KNITTED SWEATERS, GOLF HOSE, AND BATHING SUITS. JACOB FORSTADT, doing business as Braeburn Knitting Mills, Philadelphia, Pa.
Filed July 24, 1924. Serial No. 200,439. PUBLISHED OCTOBER 13, 1925.

207,175. NONALCOHOLIC, MALTLESS FRUIT JUICES, EXTRACTS, AND SIRUPS FOR MAKING SOFT DRINKS. THE INTERNATIONAL COMPANY, Baltimore, Md.
Filed September 22, 1923. Serial No. 186,062. PUBLISHED SEPTEMBER 15, 1925.

207,176. BORING AND GRINDING MACHINES, BORING TOOLS, GRINDING TOOLS, AND PARTS THEREOF. SIMPLICITY ENGINE AND MANUFACTURING COMPANY, Port Washington, Wis.
Filed June 9, 1923. Serial No. 181,783. PUBLISHED OCTOBER 13, 1925.

207,177. FRESH DECIDUOUS FRUITS—NAMELY, FRESH PEARS, PEACHES, PLUMS. PLACERVILLE FRUIT GROWERS ASSOCIATION, Placerville, Calif.
Filed July 10, 1925. Serial No. 217,181. PUBLISHED OCTOBER 13, 1925.

207,178. CANDY AND CANDIED NUTS. NICHOLAS P. DAMIANAKES, doing business as California Peanut Co., Oakland, Calif.
Filed July 6, 1925. Serial No. 216,876. PUBLISHED OCTOBER 13, 1925.

207,179. MEN'S ROBES, GOWNS, LOUNGE SUITS, AND JACKETS. LEWIS-WISE CO., INC., New York, N. Y.
Filed July 2, 1925. Serial No. 216,788. PUBLISHED OCTOBER 13, 1925.

207,180. LADIES' DRESSES. MELVILLE A. GUNST COSTUME CO. INC., doing business as Melville A. Gunst Co., New York, N. Y.
Filed July 2, 1925. Serial No. 216,779. PUBLISHED OCTOBER 13, 1925.

207,181. SCREWS. INTERSTATE IRON & STEEL COMPANY, Chicago, Ill.
Filed June 29, 1925. Serial No. 216,601. PUBLISHED OCTOBER 13, 1925.

207,182. ELECTRICAL THERAPEUTIC TREATMENT APPARATUS. BIOLA MANUFACTURING COMPANY, INC., Norfolk, Va.
Filed June 24, 1925. Serial No. 216,318. PUBLISHED OCTOBER 13, 1925.

207,183. SPECIALLY BLENDED CEREAL THICKENING AGENT FOR SOUPS AND GRAVIES. CREME-O-BLEND CO., Portland, Oreg.
Filed June 22, 1925. Serial No. 216,153. PUBLISHED OCTOBER 13, 1925.

207,184. HOSIERY. COOPER UNDERWEAR COMPANY, Kenosha, Wis.
Filed June 19, 1925. Serial No. 216,019. PUBLISHED OCTOBER 6, 1925.

207,185. METAL TUBING. BUNDY TUBING COMPANY, Detroit, Mich.
Filed June 19, 1925. Serial No. 216,015. PUBLISHED SEPTEMBER 15, 1925.

207,186. MANDREL-MOUNTED DENTAL BRUSHES. JENNIE RUBIN, doing business as The Abbott Dental Brush Manufacturing Co., Philadelphia, Pa.
Filed June 18, 1925. Serial No. 215,995. PUBLISHED OCTOBER 13, 1925.

207,187. FRESH AND DRIED FRUITS—NAMELY, APPLES. DUTHIE & COMPANY, INC., Portland, Oreg.
Filed June 11, 1925. Serial No. 215,622. PUBLISHED OCTOBER 13, 1925.

207,188. VARNISH, DRIER, JAPANS, PREPARED SHELLAC, TURPENTINE, WOOD FILLER, STAINS, POLISHES IN THE NATURE OF VARNISH AND AUTOMOBILE POLISH, PUTTY; PAINTS, DRY, PASTE, AND READY MIXED; AND PAINT ENAMELS. WALTER L. TRAINER CO., Philadelphia, Pa.
Filed May 22, 1925. Serial No. 214,757. PUBLISHED OCTOBER 6, 1925.

207,189. KNITTED GARMENTS FOR MEN, WOMEN, AND CHILDREN. PETER SCOTT & CO., LIMITED, Hawick, Scotland.
Filed May 21, 1925. Serial No. 214,684. PUBLISHED OCTOBER 6, 1925.

207,190. SCREWS. INTERSTATE IRON & STEEL COMPANY, Chicago, Ill.
Filed May 21, 1925. Serial No. 214,664. PUBLISHED OCTOBER 13, 1925.

207,191. LIQUID GLOSS AND FLOOR DRESSING. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed May 18, 1925. Serial No. 214,512. PUBLISHED OCTOBER 6, 1925.

207,192. PLAITS FORMED OF STRAW AND OTHER FIBROUS MATERIALS DESIGNED FOR THE MANUFACTURE OF HATS. HENRY POLLAK, INC., New York, N. Y.
Filed May 18, 1925. Serial No. 214,499. PUBLISHED OCTOBER 6, 1925.

207,193. VEGETABLE FILTERING MATERIAL. DEXTER RESEARCH LABORATORIES, INC., Toledo, Ohio.
Filed May 18, 1925. Serial No. 214,466. PUBLISHED OCTOBER 6, 1925.

207,194. RADIO APPARATUS—NAMELY, RADIO-TELEPHONE HEAD SETS, RADIO-RECEIVING SETS, RADIOTRANSFORMERS, RADIOCONDENSERS, LOUD SPEAKERS, TELEPHONE UNITS FOR LOUD SPEAKERS, AND LOOPS. TH. GOLDSCHMIDT CORPORATION, New York, N. Y.
Filed May 5, 1925. Serial No. 213,846. PUBLICATION WAIVED.

207,195. AUTO OILS, TRANSMISSION OIL, GEAR GREASE, CUP GREASE, SLAB OIL, MOTOR OILS, ENGINE OIL, AND CYLINDER OIL. THOMPSON LUBRICATING COMPANY, Tacoma, Wash.
Filed May 4, 1925. Serial No. 213,810. PUBLISHED OCTOBER 6, 1925.

207,196. CANDY. BUNTE BROTHERS, Chicago, Ill.
Filed May 2, 1925. Serial No. 213,689. PUBLISHED OCTOBER 13, 1925.

207,197. AUTOMOBILE BUMPERS AND PARTS THEREOF. BIFLEX PRODUCTS COMPANY, Waukegan, Ill.
Filed June 11, 1925. Serial No. 215,619. PUBLISHED SEPTEMBER 15, 1925.

207,198. MIRRORS. THE FIBERLOID CORPORATION, Indian Orchard, Springfield, Mass.
Filed June 12, 1925. Serial No. 215,688. PUBLISHED SEPTEMBER 29, 1925.

207,199. MIRRORS. THE FIBERLOID CORPORATION, Indian Orchard, Springfield, Mass.
Filed June 12, 1925. Serial No. 215,689. PUBLISHED SEPTEMBER 29, 1925.

207,200. GOLF HOSE. ISODOR BERGER, doing business as Eclipse Knitting Mills, Newark, N. J.
Filed June 15, 1925. Serial No. 215,769. PUBLISHED SEPTEMBER 8, 1925.

207,201. ELECTRIC HOT PLATES AND ELECTRIC CORN-POPPING MACHINES. C. V. CHAMPION & COMPANY, Danville, Ill.
Filed February 16, 1925. Serial No. 209,616. PUBLISHED OCTOBER 6, 1925.

207,202. DRY AND WET CLEANING SOAP. SALM'S SOAP COMPANY, Granger, Tex.
Filed February 26, 1925. Serial No. 210,195. PUBLISHED JULY 28, 1925.

207,203. RAW ARTIFICIAL SILK. DU PONT FIBERSILK COMPANY, Buffalo, N. Y.
Filed March 5, 1925. Serial No. 210,589. PUBLISHED SEPTEMBER 22, 1925.

207,204. VARIABLE PLATE CONDENSERS, VARIABLE COUPLERS, RHEOSTATS, ELECTRIC RECEPTACLES, AND TRANSFORMERS. GIOVANNI LOMBARDI, doing business as Lombardi Radio Mfg. Co., Derby, Conn.
Filed March 13, 1925. Serial No. 210,970. PUBLISHED OCTOBER 6, 1925.

207,205. NONALCOHOLIC, MALTLESS BEVERAGES AND SIRUPS FOR MAKING THE SAME. GREEN & GREEN, Houston, Tex.
Filed April 6, 1925. Serial No. 212,248. PUBLISHED JULY 28, 1925.

207,206. MILK-CHOCOLATE NUT CANDY BARS. MYER CANDY COMPANY INC., Birmingham, Ala.
Filed April 27, 1925. Serial No. 213,393. PUBLISHED OCTOBER 6, 1925.

207,207. HOUSEHOLD FURNITURE—NAMELY, TABLES, KITCHEN CABINETS, BREAKFAST SUITES, CHAIRS AND CABINETS, SERVERS AND BUFFETS. THE GENERAL FURNITURE SUPPLY CO., Baltimore, Md.
Filed April 30, 1925. Serial No. 213,566. PUBLISHED OCTOBER 6, 1925.

207,208. CUP LEATHERS FOR WELL VALVES. CLAYTON MARK & COMPANY, Chicago, Ill.
Filed May 1, 1925. Serial No. 213,659. PUBLISHED SEPTEMBER 22, 1925.

207,209. CANDY. BUNTE BROTHERS, Chicago, Ill.
Filed May 11, 1925. Serial No. 214,124. PUBLISHED AUGUST 18, 1925.

207,210. MEN'S AND BOYS' DRESS, WORK, AND NEGLIGEE SHIRTS, PYJAMAS, AND NIGHTSHIRTS. NIGHT COMFORT GARMENT CO., INC., New York, N. Y.
Filed May 12, 1925. Serial No. 214,212. PUBLISHED JULY 7, 1925.

207,211. STITCHED CANVAS AND SOLID WOVEN BELTING FOR POWER TRANSMISSION, ELEVATING AND CONVEYING AND THRASHER BELT. THE GANDY BELTING COMPANY, Baltimore, Md.
Filed May 16, 1925. Serial No. 214,407. PUBLISHED OCTOBER 6, 1925.

207,212. APPARATUS FOR USE IN WIRELESS TELEGRAPHY AND TELEPHONY, SAID APPARATUS COMPRISING VALVE HOLDERS, GRID LEAKS, FIXED CONDENSERS, VARIABLE CONDENSERS, ACCUMULATORS, DRY CELLS, INDUCTION COILS, COIL HOLDERS, COIL PLUGS, VARIOMETERS, ELECTRIC RESISTANCES, BUZZERS, SWITCHBOARDS, SWITCHES, RHEOSTATS, VACUUM OR ELECTRON TUBES OR LAMPS, DETECTORS, LOUD SPEAKERS, WIRELESS RECEIVING SETS, HEAD PHONES, TRANSFORMERS, AND TERMINALS. BRETWOOD, LTD., London, England.
Filed May 25, 1925. Serial No. 214,846. PUBLISHED OCTOBER 6, 1925.

207,213. RADIO SUPPLIES—NAMELY, TELEPHONE HEAD SETS, LOUD SPEAKERS, LOUD-SPEAKER UNITS TO BE USED AS ATTACHMENTS TO AMPLIFYING HORNS (FOR EXAMPLE, THE HORNS OF TALKING MACHINES), AND PARTS THEREOF. TRIMM RADIO MANUFACTURING CO., Chicago, Ill.
Filed May 27, 1925. Serial No. 214,981. PUBLISHED OCTOBER 6, 1925.

207,214. COFFEE. SEHON, STEVENSON & Co., Huntington, W. Va.
Filed June 1, 1925. Serial No. 215,184. PUBLISHED JULY 14, 1925.

207,215. SHOE ROBES (AN ARTICLE OF FURNITURE FOR CONTAINING SHOES). MARGARET A. GUYTON, doing business as M. A. Barnette, Chicago, Ill.
Filed June 4, 1925. Serial No. 215,299. PUBLISHED SEPTEMBER 29, 1925.

207,216. SERVING BOOTHS, SERVING STALLS, AND MINIATURE SERVING HUTS. WILMA M. PAIGE, Joplin, Mo.
Filed June 5, 1925. Serial No. 215,351. PUBLISHED SEPTEMBER 29, 1925.

207,217. JELLIES AND FRUIT PRESERVES. THE AMERICAN PRESERVE CO., Philadelphia, Pa.
Filed August 25, 1925. Serial No. 219,320. PUBLISHED OCTOBER 13, 1925.

207,218. CHOCOLATE. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y.
Filed August 22, 1925. Serial No. 219,244. PUBLISHED OCTOBER 13, 1925.

207,219. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. ORANGE HEIGHTS FRUIT ASSOCIATION, Corona, Calif.
Filed August 17, 1925. Serial No. 218,996. PUBLISHED OCTOBER 13, 1925.

207,220. DOLLS. ELIZABETH G. ADRIAN, New York, N. Y.
Filed August 17, 1925. Serial No. 218,942. PUBLISHED OCTOBER 13, 1925.

207,221. COFFEE. BERNARD A. LIVIERATO, New York, N. Y.
Filed August 14, 1925. Serial No. 218,857. PUBLISHED OCTOBER 13, 1925.

207,222. HOSIERY. THE S. KANN SONS COMPANY, Washington, D. C.
Filed August 14, 1925. Serial No. 218,853. PUBLISHED OCTOBER 13, 1925.

207,223. CANDY. BOSTON CONFECTIONERY CO., Cambridge, Mass.
Filed August 14, 1925. Serial No. 218,848. PUBLISHED OCTOBER 13, 1925.

207,224. OVERALLS. ALEXANDER BROS. COMPANY, Savannah, Ga.
Filed August 14, 1925. Serial No. 218,843. PUBLISHED OCTOBER 13, 1925.

207,225. ARTIFICIAL BAIT—NAMELY, BASS BUGS, SPINNERS, FLIES, PLUGS, AND LEADERS. THE JOHN J. HILDEBRANDT COMPANY, Logansport, Ind.
Filed August 13, 1925. Serial No. 218,813. PUBLISHED OCTOBER 13, 1925.

207,226. REFRIGERATORS. JACQUES ROSCOTT, Lake Ronkonkoma, and New York, N. Y.
Filed August 10, 1925. Serial No. 218,665. PUBLISHED OCTOBER 6, 1925.

207,227. PANTS. FRIEDMAN BROS., New York, N. Y.
Filed May 21, 1925. Serial No. 214,656. PUBLISHED SEPTEMBER 15, 1925.

207,228. JACKETS, VESTS, AND COATS FOR WOMEN. LIVINGSTON & YOST, INC., New York, N. Y.
Filed June 23, 1925. Serial No. 216,273. PUBLISHED SEPTEMBER 29, 1925.

207,229. MUFFLERS. WEISS & ZAHLER, New York, N. Y.
Filed July 11, 1925. Serial No. 217,236. PUBLISHED OCTOBER 13, 1925.

207,230. DISH, SILVER, AND GLASS CLEANING MACHINES AND METAL-PARTS-CLEANING MACHINES. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn.
Filed July 13, 1925. Serial No. 217,261. PUBLISHED OCTOBER 6, 1925.

207,231. UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, MADE OF NAINSOOK OR MUSLIN, HAVING ELASTIC SEAMS IN THE SIDES, THE CROTCH, AND THE BACK. VICTOR GARMENT MANUFACTURING COMPANY, Muncie, Ind.
Filed July 13, 1925. Serial No. 217,309. PUBLISHED OCTOBER 13, 1925.



207,232. WATER-REPELLING PRESERVATIVE PAINT FOR CEMENT, BRICK, MORTAR, STONE, AND METAL SURFACES, AND ANTIRUST COMPOSITION IN THE NATURE OF PAINT FOR GAS HOLDERS. PAUL LECHLER, Stuttgart, Germany.
Filed July 14, 1925. Serial No. 217,349. PUBLISHED OCTOBER 6, 1925.

207,233. HOSIERY. THE DISTRIBUTING CORPORATION, New York, N. Y.
Filed July 15, 1925. Serial No. 217,396. PUBLISHED OCTOBER 13, 1925.

207,234. TOILET SOAP. B. ALTMAN & Co., New York, N. Y.
Filed July 17, 1925. Serial No. 217,493. PUBLISHED SEPTEMBER 8, 1925.

207,235. CHOCOLATE BARS. KIBBE BROTHERS COMPANY, Springfield, Mass.
Filed July 20, 1925. Serial No. 217,625. PUBLISHED OCTOBER 13, 1925.

207,236. LUBRICATING OILS, GREASES, AND COMPOUNDS IN THE NATURE OF LUBRICANTS. INDIAN REFINING COMPANY, INCORPORATED, Lawrenceville, Ill., and New York, N. Y.
Filed July 22, 1925. Serial No. 217,712. PUBLISHED OCTOBER 6, 1925.

207,237. CANNED FRUITS AND CANNED VEGETABLES. M. E. HORTON, INC., Washington, D. C.
Filed July 23, 1925. Serial No. 217,783. PUBLISHED OCTOBER 13, 1925.

207,238. CANNED FISH, CANNED LOBSTER, CATCHUP, COFFEE, WHEAT FLOUR, RYE FLOUR, CHILI SAUCE, OATMEAL, CORN MEAL, RAISINS, MAYONNAISE, FRUIT PRESERVES, OLIVES, CHILI CON CARNE, AND SANDWICH FILLING COMPRISING OIL, MAYONNAISE MIXED WITH CHOPPED SWEET PICKLES, SPICES, AND CHOPPED PIMIENTOS. CENTRAL WHOLESALE GROCERS, Chicago, Ill.
Filed July 24, 1925. Serial No. 217,814. PUBLISHED OCTOBER 13, 1925.

207,239. FLAVORING EXTRACTS FOR FOODS. THE HOWELL CO., INC., New Orleans, La.
Filed July 25, 1925. Serial No. 217,880. PUBLISHED OCTOBER 13, 1925.

207,240. HOSIERY. SAMUEL MILLER, doing business as Milltex & Colonial Hosiery Mills, Philadelphia, Pa.
Filed July 28, 1925. Serial No. 218,015. PUBLISHED OCTOBER 13, 1925.

207,241. MEN'S AND YOUNG MEN'S CLOTHING CONSISTING OF SUITS, COATS, VESTS, TROUSERS, OVERCOATS, TOPCOATS, AND TUXEDOS MADE OF WOOLENS AND WORSTEDS, MOHAIR, GABERDINE, CRASH, LINEN, AND OTHER MATERIALS. FIELD'S CLUB STYLE CLOTHES, Brooklyn, N. Y.
Filed August 1, 1925. Serial No. 218,251. PUBLISHED OCTOBER 13, 1925.

207,242. WORK CLOTHING AND OUT-OF-DOOR CLOTHING FOR MEN, WOMEN, AND CHILDREN—NAMELY, OVERALLS, PANTS, KNICKERS, SKIRTS, WORK, DRESS, NEGLIGEE SHIRTS OF TEXTILE FABRIC, BLOUSES, VESTS, COATS, TROUSERS, DRESSES, AND APRONS MADE OF KHAKI, MOLESKIN, COTTONADES, GABERDINE, AND CORDUROY. HAYMON KRUPP & Co., El Paso, Tex.
Filed August 1, 1925. Serial No. 218,259. PUBLISHED OCTOBER 13, 1925.

207,243. POCKETBOOKS. H. VAN DRIESSCHE CO., INC., Gloversville, N. Y.
Filed August 3, 1925. Serial No. 218,344. PUBLISHED OCTOBER 6, 1925.

207,244. KNIT UNDERWEAR. BENNETT TEXTILE COMPANY, INC., Cohoes, N. Y.
Filed August 6, 1925. Serial No. 218,464. PUBLISHED OCTOBER 13, 1925.

207,245. YOUNG MEN'S AND MEN'S SUITS AND OVERCOATS. ALBERT HOFFELD, Chicago, Ill.
Filed August 6, 1925. Serial No. 218,487. PUBLISHED OCTOBER 13, 1925.

207,246. OLEOMARGINE AND A COMPOUND COMPOSED OF COTTONSEED OIL, BEEF STEARINE, WATER, AND SALT USED AS A SHORTENING FOR BAKING, ALSO FOR PRODUCING OLEOMARGARINE BY ADDING MILK TO THE AFORESAID INGREDIENTS. TROCO COMPANY, Chicago, Ill.
Filed August 7, 1925. Serial No. 218,531. PUBLISHED OCTOBER 6, 1925.

207,247. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed August 8, 1925. Serial No. 218,541. PUBLISHED OCTOBER 13, 1925.

207,248. RUBBER CEMENT AND GASKET CEMENT. CENTRAL LABORATORIES CO., Wheeling, W. Va.
Filed August 10, 1925. Serial No. 218,608. PUBLISHED OCTOBER 6, 1925.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)].

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

207,249. (CLASS 33. GLASSWARE.) VACUUM SEAL COMPANY, INC., New York, N. Y. Filed Nov. 2, 1925. Serial No. 222,718.

**VACUUM SEAL**

*Particular description of goods.*—Glass Preserving Jars.
*Claims use* since September, 1924.

207,250. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) PENNSYLVANIA SMITHING COAL COMPANY, INC., New York, N. Y. Filed Oct. 14, 1925 Serial No. 221,714.

**WELLS CREEK**

*Particular description of goods.*—Coal.
*Claims use* since 1920.

207,251. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE DARBY COAL SALES COMPANY, Cincinnati, Ohio. Filed Oct. 14, 1925. Serial No. 221,696.

**DARBY**

*Particular description of goods.*—Coal.
*Claims use* since 1905.

207,252. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WOLVERINE BRASS WORKS, Grand Rapids, Mich. Filed Oct. 9, 1925. Serial No. 221,523.

**KANTLEAK**

*Particular description of goods.*—Tank Floats.
*Claims use* since July 1, 1912.

207,253. (CLASS 39. CLOTHING.) HAYNES & CO., INC., Springfield, Mass. Filed Sept. 25, 1925. Serial No. 220,776.

"The Parke"

*Particular description of goods.*—Men's Dress and Negligee Shirts.
*Claims use* since Sept. 1, 1923.

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207,254. (CLASS 39. CLOTHING.) OSHKOSH OVERALL COMPANY, Oshkosh, Wis. Filed Aug. 25, 1925. Serial No. 219,346.

VESTBAK

*Particular description of goods.*—Overalls.
*Claims use* since Feb. 1, 1924.

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207,255. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BLAW-KNOX COMPANY, Blawnox, Pa. Filed July 11, 1925. Serial No. 217,201.

BATCHER

*Particular description of goods.*—Measuring Devices for Concrete Aggregates.
*Claims use* since April, 1922.

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207,256. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed May 7, 1925. Serial No. 213,969.

HASSAN

*Particular description of goods.*—Piece Goods Made of Wool, Silk, and Cotton.
*Claims use* since Oct. 1, 1924.

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207,257. (CLASS 39. CLOTHING.) OPOTOWSKY & SONS, New Orleans, La. Filed Mar. 14, 1925. Serial No. 211,046.

TEARNOT

*Particular description of goods.*—Hosiery.
*Claims use* since Mar. 1, 1923.

207,258. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) L. H. KELLER & CO. INC., New York, N. Y. Filed Dec. 5, 1924. Serial No. 206,314.

JURGENSEN

*Particular description of goods.*—Watchmaker's Saws.
*Claims use* since Nov. 1, 1924.

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207,259. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE CENTRAL BRASS MANUFACTURING COMPANY, Cleveland, Ohio. Filed Oct. 27, 1924. Serial No. 204,440.

"ALLWITE"

*Particular description of goods.*—Lavatory Faucets, Sink Faucets, Lavatory Spouts, Bath Faucets, Bath Spouts, and Shower Heads.
*Claims use* since about September, 1919.

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207,260. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Sept. 26, 1924. Serial No. 203,084.

PLATINUM

*Particular description of goods.*—Cotton Goods and Goods of Cotton and Artificial Silk Mixed in the Piece.
*Claims use* since June, 1924.

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207,261. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GUILMONT & PETERS, Chicago, Ill. Filed Mar. 15, 1924. Serial No. 193,829.

PEERLESS

*Particular description of goods.*—Hair Nets.
*Claims use* since Oct. 1, 1918.

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207,262. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE NEWELL MFG. CO. INC., Ogdensburg, N. Y. Filed Aug. 13, 1923. Serial No. 184,416.

STA-BRITE

*Particular description of goods.*—Metal Curtain Rods.
*Claims use* since July 24, 1923.



207,263. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SPEAKMAN COMPANY, Wilmington, Del. Filed June 22, 1923. Serial No. 182,367.

ANYFORCE

*Particular description of goods.*—Shower Heads.
*Claims use* since June 5, 1923.

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207,264. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JANSZEN GROCERY COMPANY, Cincinnati, Ohio. Filed May 13, 1922. Serial No. 163,800.

JANSZEN'S

*Particular description of goods.*—Coffee, Rice, Currants, and Mincemeat.
*Claims use* since June 15, 1915.

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207,265. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) DELATOUR BEVERAGE CORPORATION, New York and Long Island City, N. Y. Filed Oct. 11, 1923. Serial No. 186,830.

No claim is made to the representation of a label apart from the mark shown.
*Particular description of goods.*—Ginger Ale.
*Claims use* since Sept. 8, 1923.

207,266. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SLADE & BULLOCK LIMITED, Dewsbury, England. Filed Aug. 16, 1924. Serial No. 201,514.

Dandy

The mark consists of the word "Dandy."
*Particular description of goods.*—Candy—Namely, Toffee.
*Claims use* since May 21, 1912.

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207,267. (CLASS 39. CLOTHING.) THE FAIR, Chicago, Ill. Filed Dec. 12, 1924. Serial No. 206,614.

Fashion Frock

*Particular description of goods.*—Women's and Girls' Dresses.
*Claims use* since about Oct. 1, 1924.

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207,268. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KELLOGG COMPANY, Battle Creek, Mich. Filed Mar. 24, 1925. Serial No. 211,533.

Kellogg's CORN FLAKES

*Particular description of goods.*—Cereal Breakfast Foods.
*Claims use* since about May 1, 1907.

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207,269. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN OSTER MANUFACTURING COMPANY, Racine, Wis. Filed Apr. 25, 1925. Serial No. 213,317.

Oster RACINE, WIS.

*Particular description of goods.*—Hair Clippers, Clipper Plates and Blades, and Repair Parts.
*Claims use* since about Nov. 1, 1924.

207,270. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER BLAIR RODDENBERY, Cairo, Ga. Filed June 22, 1925. Serial No. 216,222.

COHASSETT

*Particular description of goods.*—Food Sirup.
*Claims use* since Nov. 6, 1924.

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207,271. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THOS. R. CLARK, Chicago, Ill. Filed Aug. 14, 1925. Serial No. 218,845.

*Particular description of goods.*—Blowtorch and Branding Iron.
*Claims use* since June 6, 1921.

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207,272. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COMO APPARATUS COMPANY, INC., Manchester N H. Filed Aug. 20, 1925. Serial No. 219,110.

COMO

*Particular description of goods.*—Radio Variable Condensers, Push-Pull Transformers, and Tuned Transformers.
*Claims use* since September, 1923.

207,273. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA ANIMAL PRODUCTS CO., (INC.), Oakland, Calif. Filed Sept. 8, 1925. Serial No. 219,936.

CALIFORNIA
DOG
BISCUITS

*Particular description of goods.*—Dog Biscuits, Circles (Dog Biscuits Made in Doughnut Shape), Puppy Biscuits, Meal for Dogs, and Pup-O (a Granulated Food).
*Claims use* since Oct. 1, 1924.

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207,274. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ADOLPH SAURER, INC., New York, N. Y. Filed Sept. 23, 1925. Serial No. 220,683.

SAURER

*Particular description of goods.*—Internal-Combustion Motors, and Parts Thereof.
*Claims use* since Mar. 15, 1923.

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207,275. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. L. SCHMIDT, doing business as J. Fred Schmidt Packing Company, Columbus, Ohio. Filed Sept. 23, 1925. Serial No. 220,685.

MONTROSE

*Particular description of goods.*—Hams, Bacon, and Sausage.
*Claims use* since Jan. 1, 1921.



207,276. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LEWIS INVISIBLE STITCH MACH. CO., St. Louis, Mo. Filed Oct. 1, 1925. Serial No. 221,069.

LEWIS

*Particular description of goods.*—Blindstitch Sewing Machines and Needles Therefor.
*Claims use* since Nov. 1, 1923.

207,277. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BARRYMORE SEAMLESS WILTONS, INC., Philadelphia, Pa. Filed Oct. 24, 1925. Serial No. 222,209.

BARRYMORE
SEAMLESS WILTON

*Particular description of goods.*—Textile Carpets and Rugs.
*Claims use* since Nov. 1, 1921.

## TRADE-MARK REGISTRATIONS RENEWED

44,579. CIGARS. Registered July 11, 1905. ALLES & FISHER. Renewed July 11, 1925, to Alles & Fisher, Inc., Boston, Mass., a Corporation of Massachusetts, assignee.

46,303. CONTINUOUS-SALES-SLIP BOOKS. Registered September 12, 1905. CARTER-CRUME CO., LIMITED, Niagara Falls, N. Y. Renewed September 12, 1925, to American Sales Book Company, Limited, Toronto, Canada, and Niagara Falls and Elmira, N. Y., a Corporation of Ontario, Canada, assignee.

46,304. DUPLICATING SALES BOOKS. Registered September 4, 1905. CARTER-CRUME CO., LIMITED, Niagara Falls, N. Y. Renewed September 4, 1925, to American Sales Book Company, Limited, Toronto, Canada, and Niagara Falls and Elmira, N. Y., a Corporation of Ontario, Canada, assignee.

46,392. BAKING SODA. Registered Sept 19, 1905. MOREHOUSE MFG. CO. Renewed September 19, 1925, to Morehouse Manufacturing Company, Savannah, Ga., assignee.

46,528. TEAS. Registered September 26, 1905. THE G. B. FARRINGTON COMPANY, New York, N. Y., a Corporation of New York. Renewed September 26, 1925.

46,553. AXLE GREASE. Registered September 26, 1905. FRAZER LUBRICATOR CO., Chicago, Ill., a Corporation of Illinois. Renewed September 26, 1925.

46,683. CHOCOLATE DROPS. Registered October 3, 1905. NEW ENGLAND CONFECTIONERY CO. Renewed October 3, 1925, to New England Confectionery Company, Boston, Mass., a Corporation of Massachusetts, assignee.

46,814. CIGARS. Registered October 10, 1905. SANCHEZ & HAYA CO., Tampa, Fla., a Corporation of Florida. Renewed October 10, 1925.

46,911. SHIRT WAISTS AND SHIRT-WAIST SUITS. Registered October 17, 1905. THE HAGEDORN-MERZ CO., Philadelphia, Pa., and New York, N. Y., a Corporation of Pennsylvania. Renewed October 17, 1925.

46,981. TIN AND TERNE PLATES. Registered October 17, 1905. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed October 17, 1925.

47,082. PAPER FOR ROOFING PURPOSES. Registered December 5, 1905. HOUSTON BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of New Jersey. Renewed December 5, 1925.

48,092. SILK FABRICS. Registered December 12, 1905. STEWART SILK COMPANY. Renewed December 12, 1925, to Stewart Silk Company, Inc., Easton, Pa., and New York, N. Y., a Corporation of New York, assignee.

48,221. STEEL. Registered December 19, 1905. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed December 19, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

48,236. CORN SHELLERS. Registered December 19, 1905. SANDWICH MANUFACTURING CO., Sandwich, Ill., a Corporation of Illinois. Renewed December 19, 1925.

48,304. STEEL. Registered December 26, 1905. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed December 26, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

48,305. STEEL. Registered December 26, 1905. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed December 26, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

48,306. STEEL. Registered December 26, 1905. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed December 26, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

48,307. STEEL. Registered December 26, 1905. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed December 26, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

48,334. STEEL. Registered December 26, 1905. SINGER, NIMICK & CO. INC., Pittsburgh, Pa. Renewed December 26, 1925, to Singer, Nimick & Co. Inc., New York, N. Y., a Corporation of Pennsylvania.

48,351. LEATHER BOOTS AND SHOES. Registered December 26, 1905. REGAL SHOE COMPANY INC., Boston, Mass. Renewed December 26, 1925, to Regal Shoe Company, Whitman, Mass., a Corporation of Massachusetts, assignee by mesne assignments.

48,368. STEEL. Registered December 26, 1905. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed December 26, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

48,614. PORTLAND, NATURAL-ROCK, AND UNPROVED CEMENT. Registered January 9, 1906. AMERICAN CEMENT COMPANY. Renewed January 9, 1926, to Giant Portland Cement Co., Philadelphia, Pa., a Corporation of Delaware, assignee.

48,648. PORTLAND, NATURAL-ROCK, AND UNPROVED CEMENT. Registered January 9, 1906. AMERICAN CEMENT COMPANY, Renewed January 9, 1926, to Giant Portland Cement Co., Philadelphia, Pa., a Corporation of Delaware, assignee.

48,700. AN ANTISEPTIC AND ANALGESIC. Registered January 9, 1906. THE AMMONOL CHEMICAL COMPANY, New York, N. Y., a Corporation of New York. Renewed January 9, 1926.

48,705. TONIC. Registered January 9, 1906. THE NUTROLACTIS COMPANY, New York, N. Y., a Corporation of New York. Renewed January 9, 1926.

48,720. GLASS AND METAL ADVERTISING SIGNS. Registered January 9, 1906. RODWELL SIGN CO., Buffalo, N. Y., a Corporation of New York. Renewed January 9, 1926.

48,722. HAY LOADERS. Registered January 9, 1906. SANDWICH MANUFACTURING CO., Sandwich, Ill., a Corporation of Illinois. Renewed January 9, 1926.

48,791. OINTMENT. Registered January 16, 1906. DR. KILMER & CO. Renewed January 16, 1926, to Dr. Kilmer & Co., Binghamton, N. Y., a Corporation of New York, assignee.

48,794. PROPRIETARY MEDICINES. Registered January 16, 1906. DR. KILMER & CO. Renewed January 16, 1926, to Dr. Kilmer & Co., Binghamton, N. Y., a Corporation of New York, assignee.

48,800. PROPRIETARY MEDICINES. Registered January 16, 1906. DR. KILMER & CO. Renewed January 16, 1906, to Dr. Kilmer & Co., Binghamton, N. Y., a Corporation of New York, assignee.

48,807. LAMPS, LANTERNS, AND PARTS THEREOF. Registered January 16, 1906. FR. STÜBGEN & CO., Erfurt, Germany. Renewed January 16, 1926.

48,928. POCKETKNIVES AND RAZORS. Registered January 16, 1906. ADOLPH KASTOR & BROS., New York, N. Y. Renewed January 16, 1926.

49,033. MUCILAGES. Registered January 23, 1906. THE CARTER'S INK COMPANY, Boston, Mass., and New York, N. Y. Renewed January 23, 1926, to The Carter's Ink Company, Cambridge, Mass., a Corporation of Massachusetts.

49,045. OVERALLS AND WORKMEN'S SHIRTS, COATS OR JACKETS, AND PANTS. Registered January 23, 1906. HARRY S. PETERS, Dover, N. J. Renewed January 23, 1926, to Oshkosh Overall Co., Oshkosh, Wis., a Corporation of Wisconsin, successor.

49,239. CANDY. Registered January 30, 1906. NEW ENGLAND CONFECTIONERY Co. Renewed January 30, 1926, to New England Confectonery Company, Boston, Mass., a Corporation of Massachusetts, assignee.

49,252. DRAWING PAPER. Registered January 30, 1906. THE KEUFFEL & ESSER COMPANY, Hoboken, N. J., a Corporation of New Jersey. Renewed January 30, 1926.

49,269. STOVES, RANGES, FURNACES, AND BOILERS. Registered January 30, 1906. BARSTOW STOVE Co. Renewed January 30, 1926, to Barstow Stove Company, Providence, R. I., a Corporation of Rhode Island, successor.

49,294. CHOCOLATE DROPS. Registered January 30, 1906. NEW ENGLAND CONFECTIONERY Co. Renewed January 30, 1926, to New England Confectionery Company, Boston, Mass., a Corporation of Massachusetts, assignee.

49,295. CANDY. Registered January 30, 1906. NEW ENGLAND CONFECTIONERY Co. Renewed January 30, 1926, to New England Confectionery Company, Boston, Mass., a Corporation of Massachusetts, assignee.

49,464. PILLS AND TABLETS. Registered February 6, 1906. EMILE BRUNOR, New York, N. Y. Renewed February 6, 1926.

49,547. BISCUITS, CRACKERS, AND WAFERS. Registered February 6, 1906. THE HITCHNER BISCUIT CO., West Pittston, Pa., a Corporation of Pennsylvania. Renewed February 6, 1926.

49,608. PLOWS, CULTIVATORS, ROLLERS, AND HARROWS. Registered February 13, 1906. WIARD PLOW Co., Batavia, N. Y., a Corporation of New York. Renewed February 13, 1926.

49,707. REFRIGERATORS. Registered February 13, 1906. D. EDDY & SONS Co., Boston, Mass., a Corporation of Massachusetts. Renewed February 13, 1926.

49,757. RAILROAD LAMPS AND LANTERNS. Registered February 13, 1906. ARMSPEAR MANUFACTURING COMPANY, New York, N. Y., a Corporation of New York. Renewed February 13, 1926.

49,758. RAILROAD LAMPS AND LANTERNS. Registered February 13, 1906. ARMSPEAR MANUFACTURING COMPANY, New York, N. Y., a Corporation of New York. Renewed February 13, 1926.

49,888. EYE REMEDIES. Registered February 20, 1906. THE MURINE EYE REMEDY COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed February 20, 1926.

49,917. DRIED BEANS. Registered February 20, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed February 20, 1926.

49,970. VARNISHES. Registered February 27, 1906. JOHN W. MASURY & SON, Brooklyn, N. Y., a Corporation of New York. Renewed February 27, 1926.

50,050. CANNED SALMON. Registered February 27, 1906. JOSEPH G. MEGLER, Brookfield, Wash. Renewed February 27, 1926, to J. G. Megler & Company, Inc., Portland, Oreg., a Corporation of Oregon, assignee.

50,051. CANNED SALMON. Registered February 27, 1906. JOSEPH G. MEGLER, Brookfield, Wash. Renewed February 27, 1926, to J. G. Megler & Company, Inc., Portland, Oreg., a Corporation of Oregon, assignee.

50,052. CANNED SALMON. Registered February 27, 1906. JOSEPH G. MEGLER, Brookfield, Wash. Renewed February 27, 1926, to J. G. Megler & Company, Inc., Portland, Oreg., a Corporation of Oregon, assignee.

50,115. UPHOLSTERERS' NAILS. Registered March 6, 1906. THE TRAUT & HINE MFG. CO. Renewed March 6, 1926, to North & Judd Mfg. Co., New Britain, Conn., a Corporation of Connecticut, assignee.

50,120. COTTON-CLOTH BUFF WHEELS. Registered March 6, 1906. WILLIAMSVILLE MANUFACTURING COMPANY. Renewed March 6, 1926, to The Williamsville Buff Manufacturing Company, Killingly, Conn., a Corporation of Connecticut, assignee.

50,198. SILKS AND SATINS. Registered March 6, 1906. WILLIAM SKINNER MANUFACTURING COMPANY, Holyoke and Boston, Mass.; New York, N. Y.; Chicago, Ill.; and Philadelphia, Pa. Renewed March 6, 1926, to William Skinner & Sons, Holyoke, Mass., and New York, N. Y., an Association of Massachusetts, assignee.

50,215. WHISKY. Registered March 6, 1906. JOHN D. ULRICH, Brooklyn, N. Y. Renewed March 6, 1926.

50,226. LYE AND POTASH. Registered March 6, 1906. EAGLE LYE WORKS. Renewed March 6, 1926, to Eagle Lye Works, Milwaukee, Wis., a Corporation of Wisconsin, assignee.

50,227. LYE AND POTASH. Registered March 6, 1906. EAGLE LYE WORKS. Renewed March 6, 1926, to Eagle Lye Works, Milwaukee, Wis., a Corporation of Wisconsin, assignee.

50,281. CANNED SALMON. Registered March 6, 1906. JOSEPH G. MEGLER, Brookfield, Wash. Renewed March 6, 1926, to J. G. Megler & Company, Inc., Portland, Oreg., a Corporation of Oregon, assignee.

50,282. CANNED SALMON. Registered March 6, 1906. JOSEPH G. MEGLER, Brookfield, Wash. Renewed March 6, 1926, to J. G. Megler & Company, Inc., Portland, Oreg., a Corporation of Oregon, assignee.

50,358. WALL PAINT OR COATING. Registered March 13, 1906. ALABASTINE COMPANY. Renewed March 13, 1926, to Alabastine Company, Grand Rapids, Mich., a Corporation of Michigan, assignee by mesne assignments.

50,363. A REMEDY FOR COLIC, CHOLERA, DIARRHEA, AND LIKE COMPLAINTS. Registered March 13, 1906. CHAMBERLAIN MEDICINE CO., Des Moines, Iowa, a Corporation of Iowa. Renewed March 13, 1926.



50,397. WHISKY. Registered March 13, 1906. THE PEN-MAR DISTILLING CO. INC., Waynesboro, Pa., a Corporation of Pennsylvania. Renewed March 13, 1926.

50,511. SHEETINGS AND DRILLINGS. Registered March 20, 1906. GRENDEL MILLS, Greenwood, S. C., a Corporation of South Carolina. Renewed March 20, 1926.

50,604. WHEAT FLOUR. Registered March 27, 1906. BAY STATE MILLING COMPANY, Winona, Minn., and Boston, Mass. Renewed March 27, 1926, to Bay State Milling Company, Winona, Minn., a Corporation of Minnesota.

50,649. LADIES' SHOES. Registered March 27, 1906. HAHNE & COMPANY, Newark, N. J., a Corporation of New Jersey. Renewed March 27, 1926.

50,676. WATERPROOF PAPERS. Registered March 27, 1906. F. W. BIRD & SON, Walpole, Mass. Renewed March 27, 1926, to Bird & Son, Inc., East Walpole, Mass., a Corporation of Massachusetts, assignee.

50,683. CARBONATED GINGER ALE. Registered March 27, 1906. LOWENSTEIN & CO. Renewed March 27, 1926, to Frank E. and Max M. Lowenstein, Atlanta, Ga., assignees.

50,690. CANDY. Registered March 27, 1906. REYMER & BROTHERS, INCORPORATED, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed March 27, 1926.

50,810. WOOD AND CABINET SCRAPERS. Registered April 3, 1906. E. C. ATKINS & COMPANY, Indianapolis, Ind., a Corporation of Indiana. Renewed April 3, 1926.

50,832. FARM, CHURCH, AND SCHOOL BELLS. Registered April 3, 1906. THE C. S. BELL CO., Hillsboro, Ohio, a Corporation of Ohio. Renewed April 3, 1926.

50,848. SCOURING SOAP. Registered April 3, 1906. BON AMI COMPANY. Renewed April 3, 1926, to The Bon Ami Company, New York, N. Y., a Corporation of Delaware, assignee.

50,924. COTTON PIECE GOODS. Registered April 3, 1906. CLIFTON MANUFACTURING CO., Clifton, S. C., a Corporation of South Carolina. Renewed April 3, 1926.

50,926. HATS, CAPS, AND BONNETS. Registered April 3, 1906. COLLINS & FAIRBANKS COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed April 3, 1926.

50,948. BEARING METAL. Registered April 3, 1906. THE FAIRBANKS COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed April 3, 1926.

50,956. RAILROAD LAMPS AND LANTERNS. Registered April 3, 1906. ARMSPEAR MANUFACTURING COMPANY, New York, N. Y., a Corporation of New York. Renewed April 3, 1926.

51,054. POULTRY FOOD. Registered April 3, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed April 3, 1926.

51,086. SOAP. Registered April 3, 1906. EDWARD A. OLDS, New York, N. Y. Renewed April 3, 1926, to The Packer Manufacturing Company, Inc., New York, N. Y., a Corporation of New York, assignee.

51,109. COFFEE. Registered April 3, 1906. THE H. G. TOMBLER GROCERY CO., Easton, Pa. Renewed April 3, 1926, to Davies-Strauss-Stauffer Company, Easton, Pa., a Corporation of Pennsylvania, assignee.

51,125. HATS AND CAPS OF ALL KINDS. Registered April 3, 1906. DUNLAP & CO., New York, N. Y., a Corporation of New York. Renewed April 3, 1926.

51,153. BREAKFAST FOODS PREPARED FROM CEREALS. Registered April 3, 1906. POSTUM CEREAL CO. LIMITED, Battle Creek, Mich. Renewed April 3, 1926, to Postum Cereal Company, Incorporated, Battle Creek, Mich., and New York, N. Y., a Corporation of Delaware, assignee.

51,193. RUBBER HOSE. Registered April 10, 1906. MULCONROY COMPANY, INC., Philadelphia, Pa., a Corporation of New Jersey. Renewed April 10, 1926.

51,309. KNIT UNDERWEAR. Registered April 10, 1906. ABRAHAM & STRAUS, Brooklyn, N. Y. Renewed April 10, 1926, to Abraham & Straus, Inc., Brooklyn, N. Y., a Corporation of New York, assignee.

51,397. DRESSING FOR BOOTS AND SHOES. Registered April 17, 1906. F. H. YOUNG COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed April 17, 1926.

51,445. NATURAL STONE USED FOR RUBBING PURPOSES. Registered April 17, 1906. JAMES H. RHODES & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed April 17, 1926.

51,501. HAMMERS. Registered April 17, 1906. ARTHUR R. ROBERTSON, Cambridge and Boston, Mass. Renewed April 17, 1926.

51,570. STOVES, RANGES, HEATERS, FURNACES, AND PARTS THEREOF. Registered April 17, 1906. RICHARDSON & BOYNTON COMPANY, New York, N. Y., a Corporation of New York. Renewed April 17, 1926.

51,572. TYPEWRITING MACHINES. Registered April 17, 1906. THE SMITH PREMIER TYPEWRITER COMPANY, Syracuse, N. Y. Renewed April 17, 1926, to The Smith Premier Typewriter Company, Syracuse and New York, N. Y., a Corporation of New York, assignee by mesne assignments.

51,575. METAL LEAF. Registered April 17, 1906. W. H. COE MFG. CO., Providence, R. I., a Corporation of Rhode Island. Renewed April 17, 1926.

51,633. COTTON PIECE GOODS. Registered April 17, 1906. CHIQUOLA MFG. CO., Honea Path, S. C., a Corporation of South Carolina. Renewed April 17, 1926.

51,763. A LIQUID PUTTY OR GLAZING PREPARATION. Registered April 24, 1906. F. O. PIERCE COMPANY, New York, N. Y., a Corporation of New York. Renewed April 24, 1926.

# LABELS

## REGISTERED DECEMBER 22, 1925.

29,648.—*Title:* JOLLY TIME BRAND HULLESS POP CORN. For Raw Pop Corn. AMERICAN POP CORN COMPANY, Sioux City, Iowa. Published August 15, 1925.

29,649.—*Title:* RIPE LIGHT. For Cigars. BAYUK CIGARS, INCORPORATED, Philadelphia, Pa. Published February 24, 1925.

29,650.—*Title:* RIPE LIGHT BROWN. For Cigars. BAYUK CIGARS, INCORPORATED, Philadelphia, Pa. Published February 24, 1925.

29,651.—*Title:* RIPE BROWN. For Cigars. BAYUK CIGARS, INCORPORATED, Philadelphia, Pa. Published February 24, 1925.

29,652.—*Title:* 93. For Whisky. HARRY BLUM, doing business as Philip Blum & Company, Chicago, Ill. Published January 1, 1926.

29,653.—*Title:* CAMPAIGN CIGARETTES VOTE FOR. For Cigarettes. JAMES W. W. BRODIE and EDWARD L. BRODIE, Melrose, Mass. Published November 11, 1924.

29,654.—*Title:* EAT C AND B BREAD. For Bread. CARPENTER AND BRO., Fairmont, W. Va. Published November 16, 1925.

29,655.—*Title:* WHITE BEAUTIES. For Eggs. H. C. CHRISTIANS CO., Chicago, Ill. Published October 17, 1925.

29,656.—*Title:* R L C. For Canned Ripe Olives. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

29,657.—*Title:* R L C. For Canned Succotash. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

29,658.—*Title:* R L C. For Canned Chili Sauce. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

29,659.—*Title:* R L C. Canned Lima Beans. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

29,660.—*Title:* R L C. For Canned Tomato Sauce. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

29,661.—*Title:* R L C. For Canned Salmon. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

29,662.—*Title:* COUNTRY CLUB. For Malt Cereal Beverage. M. K. GOETZ BREWING COMPANY, St. Joseph, Mo. Published November 16, 1925.

29,663.—*Title:* UNCLE JAKE'S NICKEL SEEGAR. For Cigars. GOLDMAN BROTHERS, Corsicana, Tex. Published November 2, 1925.

29,664.—*Title:* PENCIL-EDGE. For Glass. HIRES TURNER GLASS COMPANY, Philadelphia, Pa. Published November 17, 1925.

29,665.—*Title:* PROCESS LAVATORY TISCHINE. For Toilet Paper. HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Published October 1, 1925.

29,666.—*Title:* CAMBRIA TINT. For Window-Shade Cloth. ILLINOIS SHADE CLOTH CORPORATION, Chicago Heights, Ill. Published October 2, 1925.

29,667.—*Title:* COLORTONE SHADING. For Window-Shade Cloth. ILLINOIS SHADE CLOTH CORPORATION, Chicago Heights, Ill. Published October 2, 1925.

29,668.—*Title:* MARVEL SUPER QUALITY SHADING. For Window-Shade Cloth. ILLINOIS SHADE CLOTH CORPORATION, Chicago Heights, Ill. Published October 2, 1925.

29,669.—*Title:* FERMALT. For Powdered Malt for Baking Purposes. IMPROVED MANUFACTURED PROD. CORPORATION, New York, N. Y. Published December 12, 1925.

29,670.—*Title:* PETER-PAN. For Raisins. J. B. INDERRIEDEN CO., Chicago, Ill. Published October 15, 1925.

29,671.—*Title:* IODINE SALT. For Salt. INTERNATIONAL SALT COMPANY, INC., New York, N. Y., and Scranton, Pa. Published April 1, 1925.

29,672.—*Title:* EXTRA STRONG, KOOPS' PREPARED MUSTARD. For Mustard. P. KOOPS, Chicago, Ill. Published October 15, 1925.

29,673.—*Title:* AM-O-LOZ. For a Cough Sirup. LAUBER & LAUBER CO., Chicago, Ill. Published September 25, 1925.

29,674.—*Title:* SENORITA. For Coffee and Chicory Compound. HORACE M. B. MACK, Lancaster, Pa. Published September 28, 1925.

29,675.—*Title:* "DIPIN" CRACKER MEAL. For Cracker Meal. ADOLF J. MAINZER, INC., Long Island City, N. Y. Published November 20, 1925.

29,676.—*Title:* MAHOGANY CREME CAKE MIX. For Cake Mix. E. M. MATHIESSEN, Chicago, Ill. Published October 26, 1925.

29,677.—*Title:* EVEREADY DRY CELL RADIO "A" BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published November 1, 1925.

29,678.—*Title:* NATIONAL MINT CHEWS. For Chewing Gum. THE NATIONAL GUM CO., INC., Newark, N. J. Published October 20, 1925.

29,679.—*Title:* CORONADO. For Canned Peaches. FRED B. NEUHOFF COMPANY, Los Angeles, Calif. Published November 4, 1925.

29,680.—*Title:* CORONADO. For Canned Tomatoes. FRED B. NEUHOFF COMPANY, Los Angeles, Calif. Published November 4, 1925.

29,681.—*Title:* PENNS EXTRA SMOKING AND CHEWING TOBACCO. For Tobacco. PENN TOBACCO COMPANY, Wilkes-Barre, Pa. Published September 9, 1925.

29,682.—*Title:* VINZYMO, THE PERFECT TONIC FOOD. For Medicinal Tonic. PUREXO PRODUCTS CO., San Francisco, Calif. Published October 15, 1925.

29,683.—*Title:* SHAMROCK, THE PERFECT TONIC. For Medicinal Tonic. PUREXO PRODUCTS COMPANY, San Francisco, Calif. Published October 15, 1925.

29,684.—*Title:* NO. 240 TWO WAY ANGLE CONVENIENCE SOCKET. For Two-Way Angle Convenience Sockets. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,685.—*Title:* NO. 420 SEPARABLE ATTACHMENT PLUG. For Separable Attachment Plugs. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,686.—*Title:* NO. 340 ANGLE THREE WAY CONVENIENCE SOCKET. For Convenience Sockets. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.





29,687.—*Title:* NO. 360 THREE WAY COMBINATION CONVENIENCE SOCKET. For Convenience Sockets. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,688.—*Title:* NO. 500 UNIVERSAL HEATER CONNECTOR. For Heater Connecters. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,689.—*Title:* 610 APPLIANCE CORD SET. For Switched Universal Connecters. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,690.—*Title:* REYNOLITE NO. 380 TRI-O-LET. For Convenience Taps. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,691.—*Title:* NO. 220 TWO WAY STRAIGHT CONVENIENCE SOCKET. For Two-Way Straight Convenience Sockets. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,692.—*Title:* NO. 220 STRAIGHT TWO WAY PLUG. For Straight Two-Way Plugs. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,693.—*Title:* NO. 380 TRI-O-LET. For Convenience Taps. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

29,694.—*Title:* OUR HIGHEST QUALITY BREAD. For Bread. PRESTON E. ROBERTS, INC., Fort Madison, Iowa. Published October 1, 1925.

29,695.—*Title:* OUR HIGHEST QUALITY BREAD. For Bread. PRESTON E. ROBERTS, INC., Fort Madison, Iowa. Published October 1, 1925.

29,696.—*Title:* REAL NUT. For Oleomargarine. STANDARD NUT MARGARINE COMPANY, Indianapolis, Ind. Published September 15, 1925.

29,697.—*Title:* MANGE-EZE. For a Mange Remedy. SUNLAND LABORATORIES, INC., Los Angeles, Calif. Published September 15, 1925.

29,698.—*Title:* DEE-LICIOUS BRICK ICE CREAM. For Ice Cream. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published April 1, 1925.

29,699.—*Title:* FREE RUNNING SALT. For Salt. THE UNION SALT CO., Cleveland, Ohio. Published November 9, 1925.

29,700.—*Title:* MATERIAL FOR MAKING LARGE LACE VALENTINES. For Boxes of Valentine Material. THE GEORGE C. WHITNEY COMPANY, Worcester, Mass. Published November 16, 1925.

29,701.—*Title:* WHITNEY'S VALENTINE WONDER BOX. For Boxes of Valentine Material. THE GEORGE C. WHITNEY COMPANY, Worcester, Mass. Published November 16, 1925.

29,702.—*Title:* MAMMOTH MATERIAL BOX OF VALENTINE MECHANICALS. For Boxes of Valentine Material. THE GEORGE C. WHITNEY COMPANY, Worcester, Mass. Published November 17, 1925.

# PRINTS

## REGISTERED DECEMBER 22, 1925.

8,462.—*Title:* NEHI. For a Nonalcoholic, Maltless, Noncereal Beverage Sold as a Soft Drink. CHERO-COLA COMPANY, Columbus, Ohio. Published October 26, 1925.

8,463.—*Title:* CUNNINGHAM RADIO TUBES BRING BIG GAMES TO YOU PLAY BY PLAY. For Radiotubes. E. T. CUNNINGHAM, INC., San Francisco, Calif. Published September 20, 1925.

8,464.—*Title:* CUNNINGHAM RADIO TUBES BRING COMPLETE WEATHER REPORTS. For Radiotubes. E. T. CUNNINGHAM, INC., San Francisco, Calif. Published September 20, 1925.

8,465.—*Title:* MILLIONS—WHO NEVER EAT ICE CREAM . . . . WILL ENJOY IT NOW! For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published October 24, 1925.

8,466.—*Title:* FEDERAL. For Welded Solid-Steel Store Fronts and Show Windows. FEDERAL STEEL SASH COMPANY, Waukesha, Wis. Published September 22, 1925.

8,467.—*Title:* ROASTING COFFEE IN THE 18TH CENTURY. For Coffee. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Published October 16, 1925.

8,468.—*Title:* QUALITY AND SERVICE ENDURE. For Coffee. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Published October 15, 1925.

8,469.—*Title:* KNOW WHAT'S INSIDE THE FURNITURE YOU BUY. For Furniture. FRANKLIN FURNITURE CO., Columbiana, Ohio. Published March 18, 1925.

8,470.—*Title:* GORDON SEAT COVERS—KEEP YOUR CAR CLEAN—PROTECT UPHOLSTERING. For Seat Covers. THE J. P. GORDON COMPANY, Columbus, Ohio. Published August 20, 1925.

8,471.—*Title:* JETS OF CRYSTAL. For Heinz 57 Varieties. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published November 1, 1925.

8,472.—*Title:* YES, COOKED BY HEINZ. For Spaghetti. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published October 17, 1925.

8,473.—*Title:* I REALIZE NOW WHY SO MANY PHYSICIANS PREFER THIS FORM OF HAY FEVER TREATMENT. For Vaccine Tube Points. H. K. MULFORD COMPANY, Philadelphia, Pa. Published July 4, 1925.

8,474.—*Title:* O'BRIEN'S LAKER-IT. For Lacquer. O'BRIEN VARNISH COMPANY, South Bend, Ind. Published October 20, 1925.

8,475.—*Title:* THE PONY EXPRESS. For Food Products. REID, MURDOCK & CO., Chicago, Ill. Published September 26, 1925.

8,476.—*Title:* NO. 380 TRI-O-LET. For Convenience Taps. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

8,477.—*Title:* NO. 220 STRAIGHT TWO WAY COMBINATION PLUG. For Straight Two-Way Combination Plug. REYNOLDS SPRING COMPANY, Jackson, Mich. Published July 20, 1925.

8,478.—*Title:* CARTONS OF A PARTICULAR NATURE. For Paper Cartons. SEFTON MANUFACTURING CORPORATION, Chicago, Ill. Published November 1, 1925.

# REISSUES

## DECEMBER 22, 1925.

16,232. OPHTHALMIC MOUNTING. FREDERICK A. STEVENS, Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed May 17, 1920. Serial No. 382,122. Original No. 1,293,232, dated Feb. 4, 1919, Serial No. 265,139, filed Dec. 3, 1918. 24 Claims. (Cl. 88—47.)

1. In an ophthalmic mounting, the combination of a rim provided with an annular slot extending transversely of the rim, and with an internal annular recess opening into the slot, and with an external annular groove adapted to receive a lens, a rim seated in the slot, and a rib of the second rim registering in the recess.

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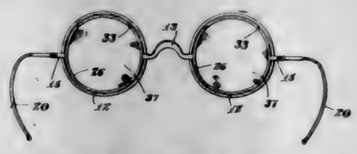
16,233. OPHTHALMIC MOUNTING. FREDERICK A. STEVENS, Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 19, 1925. Serial No. 57,477. Original No. 1,308,964, dated July 8, 1919, Serial No. 265,138, filed Dec. 3, 1918. 5 Claims. (Cl. 88—47.)



1. In an ophthalmic mounting, the combination of an auxiliary rim provided on its rear side with an annular slot to form a sheath for the main rim, and provided with an annular groove below the slot, an endless main rim in the slot, and a lens seated in the groove.

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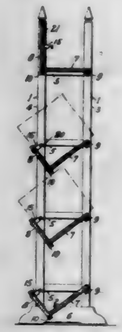
16,234. DISPLAY RACK. GEORGE A. TAYLOR, Bergenfield, N. J., assignor to National Biscuit Company, New York, N. Y., a Corporation of New Jersey. Filed May 13, 1924. Serial No. 713,070. Original No. 1,423,585, dated July 25, 1922, Serial No. 464,894, filed Apr. 27, 1921. 18 Claims. (Cl. 211—14.)



1. In a display rack, the combination of upright members, securing devices extending from the same at spaced intervals, and shelves adapted to extend between adjacent upright members, having bottom portions and back portions extending upwardly from the rear edges thereof, said shelf back and bottom portions having securing devices thereon adapted to coact with said first named securing devices, to support said shelves in horizontal position or in inclined position from back to rear, as desired.

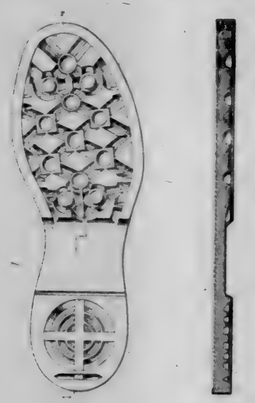
# DESIGNS

## DECEMBER 22, 1925.

69,061. MOTOR-VEHICLE-RADIATOR CAP. WILLIAM K. ANDERSEN, Brooklyn, N. Y. Filed Nov. 3, 1925. Serial No. 15,329. Term of patent 7 years.

The ornamental design for a motor vehicle radiator cap, as shown.

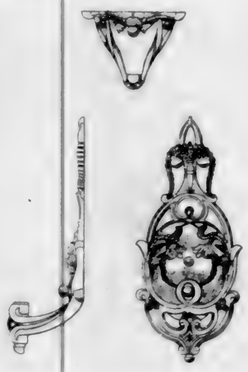
69,062. SOLE FOR SHOES. FRED W. BOMMER, Lambertville, N. J., assignor to Lambertville Rubber Company, Lambertville, N. J., a Corporation of New Jersey. Filed Oct. 1, 1925. Serial No. 14,983. Term of patent 7 years.



The ornamental design for a sole for shoes, as shown.

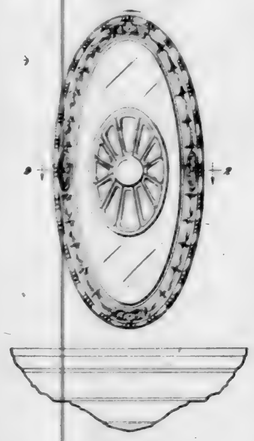


69,063. WALL PLATE FOR LIGHTING FIXTURES. EDWARD BRANDT and HILIA J. BARTON, Detroit, Mich. Filed Oct. 21, 1925. Serial No. 15,216. Term of patent 7 years.



The ornamental design for a wall plate for lighting fixtures as shown.

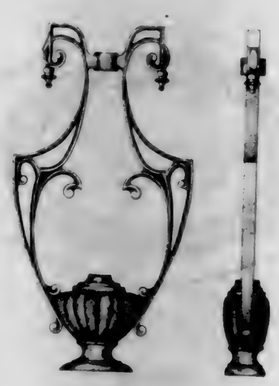
69,064. PLATE FOR LIGHTING FIXTURES. LOUIS F. BUECHELE, Cheshire, Conn., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Oct. 21, 1925. Serial No. 15,204. Term of patent 3½ years.



The ornamental design for a plate for lighting fixtures, as shown.

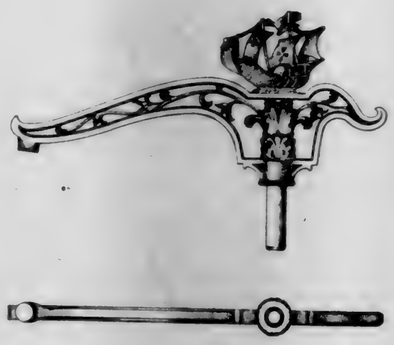


69,065. UPRIGHT MEMBER FOR A LAMP OR SIMILAR ARTICLE. LESLIE H. BURLIN, Chicago, Ill., assignor to Burlin Co., a Firm composed of Leslie H. Burlin and Walter H. Sedgwick, Chicago, Ill. Filed Oct. 10, 1925. Serial No. 15,090. Term of patent 7 years.



The ornamental design for an upright member for a lamp or similar article, as shown.

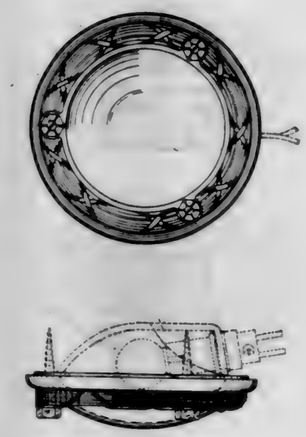
69,066. BRACKET FOR BRIDGE LAMPS OR SIMILAR ARTICLE. LESLIE H. BURLIN, Chicago, Ill., assignor to Burlin Co., a Firm composed of Leslie H. Burlin and Walter H. Sedgwick, Chicago, Ill. Filed Oct. 10, 1925. Serial No. 15,095. Term of patent 7 years.



The ornamental design for a bracket for bridge lamps or similar article, as shown.

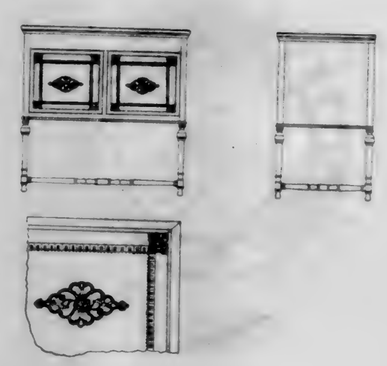


69,067. LIGHT GLOBE. EVERETT J. COOK, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Mar. 19, 1923. Serial No. 5,522. Term of patent 7 years.



The ornamenal design for a light globe, substantially as shown.

69,068. PHONOGRAPH CABINET. THOMAS A. EDISON, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a Corporation of New Jersey. Filed Oct. 17, 1924. Serial No. 11,102. Term of patent 14 years.

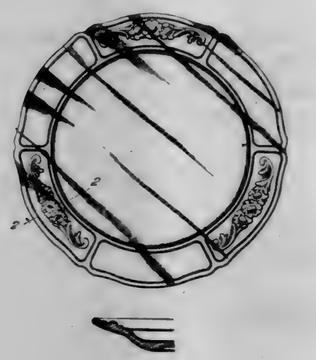


The ornamental design for a phonograph cabinet as shown.

69,069. CLOCK CASE. PHILIP H. ENGLISH, New Haven, Conn., assignor to The New Haven Clock Co., New Haven, Conn., a Corporation. Filed June 8, 1925. Serial No. 13,705. Term of patent 14 years.

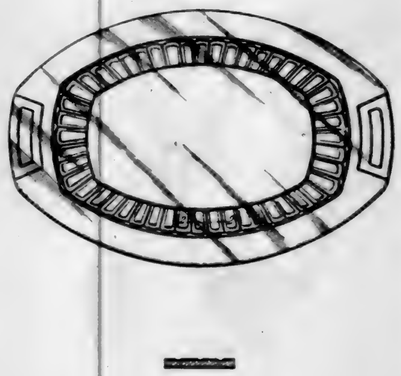
The ornamental design for a clock-case as shown.

69,070. PLATE OR SIMILAR ARTICLE. ERNEST GOODWIN, East Liverpool, Ohio, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio, a Corporation of West Virginia. Filed Aug. 3, 1925. Serial No. 14,304. Term of patent 7 years.



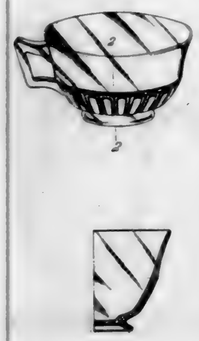
The ornamental design for a plate or similar article, as shown.

69,071. DISH OR SIMILAR ARTICLE. ERNEST GOODWIN, East Liverpool, Ohio, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio, a Corporation of West Virginia. Filed Aug. 3, 1925. Serial No. 14,306. Term of patent 7 years.



The ornamental design for a dish or similar article, as shown.

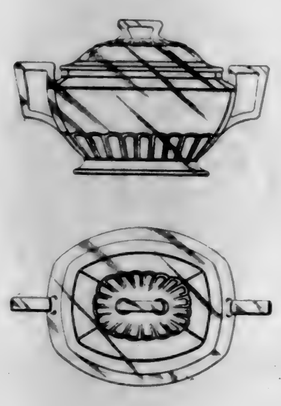
69,072. CUP OR SIMILAR ARTICLE. ERNEST GOODWIN, East Liverpool, Ohio, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio, a Corporation of West Virginia. Filed Aug. 3, 1925. Serial No. 14,307. Term of patent 7 years.



The ornamental design for a cup or similar article, as shown.

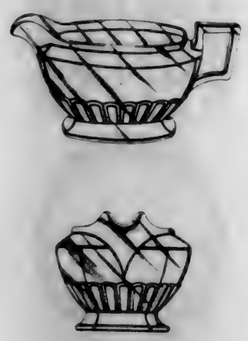


69,073. SUGAR BOWL OR SIMILAR ARTICLE. ERNEST GOODWIN, East Liverpool, Ohio, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio, a Corporation of West Virginia. Filed Aug. 3, 1925. Serial No. 14,308. Term of patent 7 years.



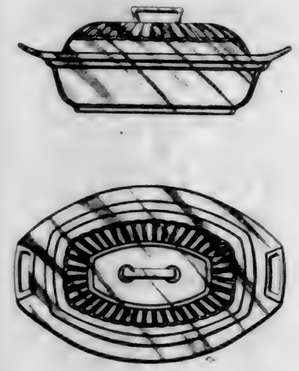
The ornamental design for a sugar bowl or similar article, as shown.

69,074. CREAM PITCHER OR SIMILAR ARTICLE. ERNEST GOODWIN, East Liverpool, Ohio, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio, a Corporation of West Virginia. Filed Aug. 3, 1925. Serial No. 14,309. Term of patent 7 years.



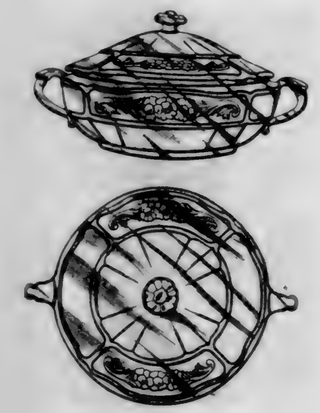
The ornamental design for a cream pitcher or similar article, as shown.

69,075. COVERED DISH OR SIMILAR ARTICLE. ERNEST GOODWIN, East Liverpool, Ohio, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio, a Corporation of West Virginia. Filed Aug. 3, 1925. Serial No. 14,310. Term of patent 7 years.



The ornamental design for a covered dish or similar article, as shown.

69,076. COVERED DISH OR SIMILAR ARTICLE. ERNEST GOODWIN, East Liverpool, Ohio, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio, a Corporation of West Virginia. Filed Sept. 3, 1925. Serial No. 14,703. Term of patent 7 years.



The ornamental design for a covered dish or similar article, as shown.

69,077. SPOON OR SIMILAR ARTICLE. PETER J. GORDON, Sag Harbor, N. Y., assignor to Joseph Fahys & Co., New York, N. Y., a Corporation of New York. Filed Oct. 23, 1925. Serial No. 15,237. Term of patent 7 years.

The ornamental design for a spoon or similar article, as shown.

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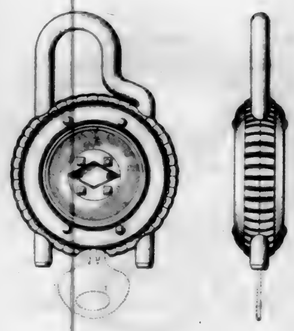
69,078. JEWELRY-DISPLAY STAND. JOSEPH HAMMER, Linden, N. J. Filed Sept. 23, 1925. Serial No. 14,882. Term of patent 3½ years.

The ornamental design for a jewelry display stand as shown and described.

69,079. PADLOCK. HENRY H. HANTON, Lancaster, Pa., assignor to Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa., a Corporation of Pennsylvania. Filed Feb. 7, 1925. Serial No. 12,307. Term of patent 7 years.



The ornamental design for a padlock, as shown.

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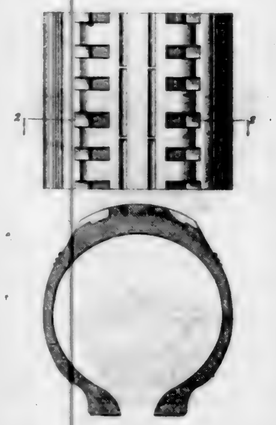
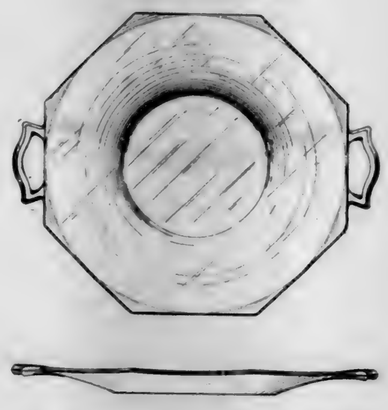
69,080. VEHICLE TIRE. ROBERT C. HARGREAVES, Detroit, Mich. Filed Oct. 3, 1925. Serial No. 15,009. Term of patent 7 years.



The ornamental design for a vehicle tire, as shown.



69,081. GLASS DISH OR SIMILAR ARTICLE. THOMAS CLARENCE HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a Common Law Company. Filed Oct. 27, 1925. Serial No. 15,262. Term of patent 14 years.



The ornamental design for a glass dish or similar article, as shown.

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69,082. HANGING BASKET. ARTIE OPHELIA HURLBUT, Jacksonville, Fla. Filed Oct. 24, 1925. Serial No. 15,247. Term of patent 14 years.

The ornamental design for a hanging basket, as shown.

69,083. EMBROIDERED TEXTILE FABRIC. CHARLES F. IKLÉ, New York, N. Y., assignor to Iklé Frères and Co., Inc., New York, N. Y., a Corporation of New York. Filed May 7, 1925. Serial No. 13,343. Term of patent 3½ years.

The ornamental design for embroidered textile fabric substantially as shown.

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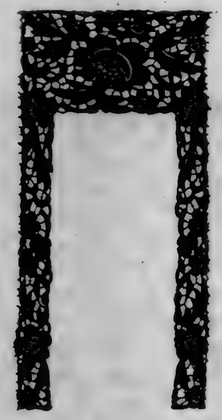
69,084. EMBROIDERED TEXTILE FABRIC. CHARLES F. IKLÉ, New York, N. Y., assignor to Iklé Frères and Co., Inc., New York, N. Y., a Corporation of New York. Filed May 7, 1925. Serial No. 13,344. Term of patent 3½ years.

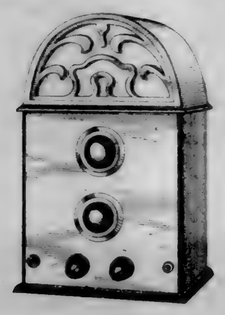
The ornamental design for embroidered textile fabric substantially as shown.

69,085. LACE. CHARLES F. IKLÉ, New York, N. Y., assignor to Iklé Frères and Co., Inc., New York, N. Y., a Corporation of New York. Filed May 7, 1925. Serial No. 13,345. Term of patent 3½ years.



The ornamental design for lace as shown.

69,086. RADIOCABINET OR SIMILAR ARTICLE. SOL A. JACOBS, New York, N. Y. Filed Aug. 29, 1925. Serial No. 14,639. Term of patent 3½ years.

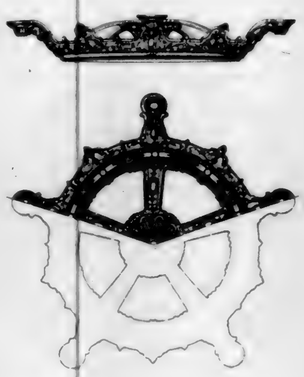


The ornamental design for a radiocabinet or similar article as shown.

69,087. TABLE LAMP. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro and Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 14,876. Term of patent 7 years.

The ornamental design for a table lamp, as shown.

69,088. CEILING PLATE FOR LIGHTING FIXTURES. JOHN KNIBBIEM, New York, N. Y., assignor to Jonick-Sirken Co., Inc., a Corporation of New York. Filed Oct. 2, 1925. Serial No. 14,993. Term of patent 8½ years.

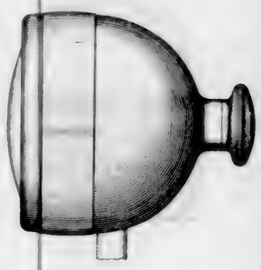


The ornamental design for a ceiling plate for lighting fixtures as shown.

69,089. DISH. CAROLINE H. MOORHEAD, Ocala, Fla. Filed Jan. 13, 1925. Serial No. 12,036. Term of patent 7 years.

The ornamental design for a dish, as shown.

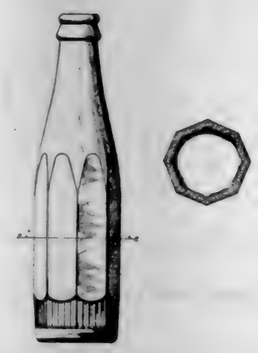
69,090. LAMP. WALTER W. MORU, Kenosha, Wis. Filed Aug. 12, 1925. Serial No. 14,399. Term of patent 3½ years.



The ornamental design for a lamp as shown.

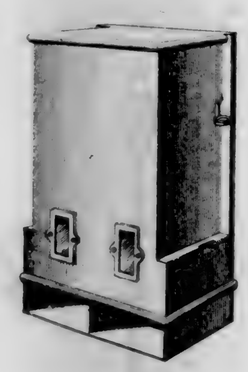


69,091. GLASS BOTTLE. JOSEPH A. NOE, Sharpsburg, Pa. Filed Oct. 2, 1925. Serial No. 14,994. Term of patent 14 years.



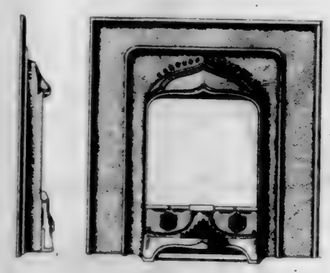
The ornamental design for a glass bottle, as shown.

69,092. DISPENSING CABINET OR SIMILAR ARTICLE. ROXANNA A. NORTON, New York, N. Y. Filed Jan. 15, 1925. Serial No. 12,062. Term of patent 14 years.



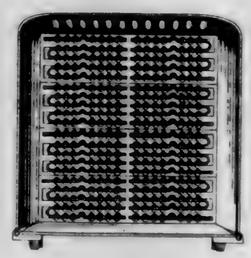
The ornamental design for a dispensing cabinet or similar article, as shown.

69,093. FIREPLACE FRONT. STANLEY D. ROBINSON, Hamilton, Ontario, Canada, assignor to D. Moore Company, Limited, Hamilton, Canada. Filed Oct. 3, 1925. Serial No. 15,013. Term of patent 7 years.



The ornamental design for a fireplace front, as shown.

69,094. HEATING UNIT FOR A FIREPLACE HEATER. STANLEY D. ROBINSON, Hamilton, Ontario, Canada, assignor to D. Moore Company, Limited, Hamilton, Canada. Filed Oct. 3, 1925. Serial No. 15,014. Term of patent 7 years.

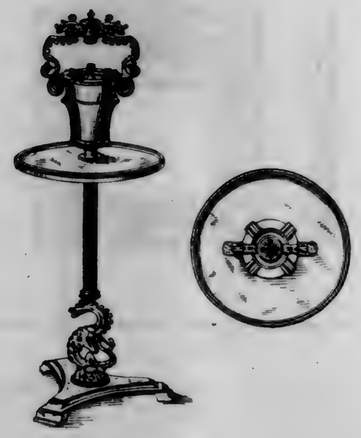


The ornamental design for a heating unit for a fireplace heater, as shown.

69,095. TILE OR SIMILAR ARTICLE. JAMES SCAPAROTT, Butler, Pa. Filed Mar. 26, 1925. Serial No. 12,889. Term of patent 7 years.

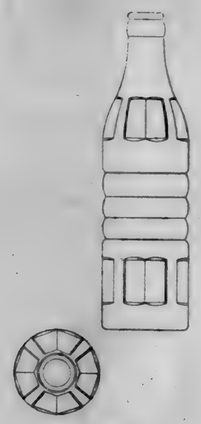
The ornamental design for a tile or similar article, as shown.

69,096. SMOKER'S STAND. ADRIAN C. SCHARFF, Orange, Conn. Filed Oct. 1, 1925. Serial No. 14,984. Term of patent 7 years.



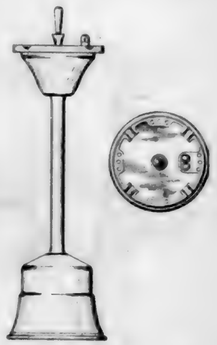
The ornamental design for a smoker's stand, as shown.

69,097. BOTTLE. FREDERICK W. SCHWENCK, Cincinnati, Ohio. Filed Oct. 29, 1924. Serial No. 11,222. Term of patent 3½ years.



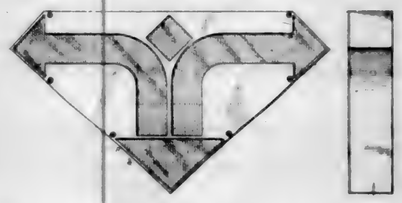
The ornamental design for a bottle as shown.

69,098. SMOKER'S STAND. JOSEPH L. SMITH, Buffalo, N. Y., assignor of one-half to Herbert B. Smith, Buffalo, N. Y. Filed Oct. 8, 1925. Serial No. 15,067. Term of patent 14 years.



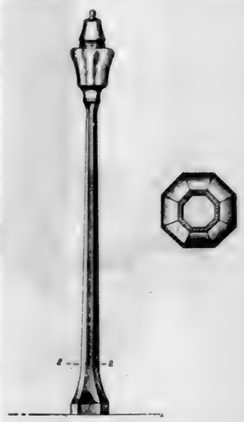
The ornamental design for a smoker's stand as shown.

69,099. TRAFFIC-SIGNAL CASING. OSCAR TERHELL, Los Angeles, Calif. Filed Jan. 15, 1924. Serial No. 8,318. Term of patent 7 years.



The ornamental design for a traffic signal casing, as shown.

69,100. STREET LAMP. LYNN A. VIETOR, Eureka, Calif. Filed Dec. 15, 1923. Serial No. 8,061. Term of patent 3½ years.



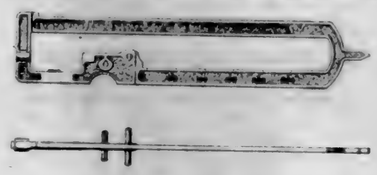
The ornamental design for a street lamp, as shown.



69,101. BANDING FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., a Copartnership composed of William Goldberg and Abe Goldberg, both of Newark, N. J. Filed Mar. 17, 1925. Serial No. 12,747. Term of patent 7 years.

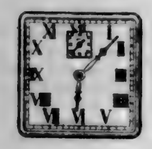
The ornamental design for a banding for lighting fixtures, as shown.

69,102. WEIGHING-SCALE BEAM. MATHIAS J. WEBER, Chicago, Ill., assignor to Continental Scale Works, Chicago, Ill., a Corporation of Illinois. Filed Oct. 22, 1923. Serial No. 7,564. Term of patent 14 years.



The ornamental design for a weighing-scale beam, as shown.

69,103. CLOCK CASE. RICHARD H. WHITEHEAD, New Haven, Conn., assignor to The New Haven Clock Co., New Haven, Conn., a Corporation. Filed June 3, 1925. Serial No. 13,046. Term of patent 14 years.



The ornametal design for a clock case, as shown.

69,104. CASE FOR A MARINE CLOCK MOVEMENT. RICHARD H. WHITEHEAD, New Haven, Conn., assignor to The New Haven Clock Co., New Haven, Conn., a Corporation. Filed Oct. 20, 1925. Serial No. 15,196. Term of patent 14 years.

The ornamental design for a case for a marine clock movement, as shown.

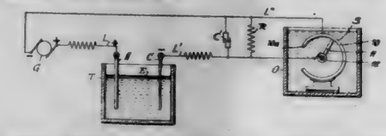
69,105. CASE FOR A MARINE CLOCK MOVEMENT. RICHARD H. WHITEHEAD, New Haven, Conn., assignor to The New Haven Clock Co., New Haven, Conn., a Corporation. Filed Oct. 20, 1925. Serial No. 15,197. Term of patent 14 years.

The ornamental design for a case for a marine clock movement as shown.

# PATENTS

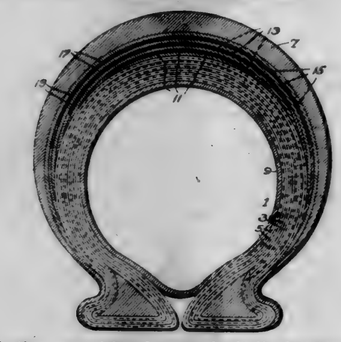
## GRANTED DECEMBER 22, 1925.

1,566,265. PROCESS OF PRODUCING ELECTROLYTIC COPPER. FRANK LINDEN ANTISELL, Perth Amboy, N. J. Filed Jan. 11, 1922. Serial No. 528,426. 6 Claims. (Cl. 204—10.)



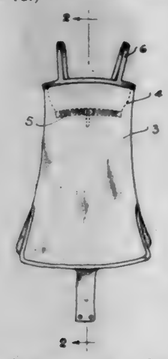
1. The process of electrolyzing cupriferous solutions which consists in carrying out the electrolysis in cycles, the electrolyzing current being impressed during each cycle for a predetermined fraction thereof.

1,566,266. TIRE. CHARLES S. BARRELL, Boston, Mass. Filed Mar. 14, 1921, Serial No. 452,203. Renewed May 21, 1925. 7 Claims. (Cl. 152—18.)



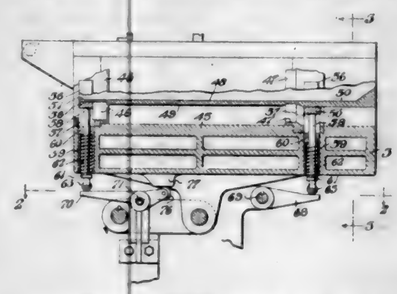
7. A tire comprising layers of vitalized rubber, each having layers of puncture resisting elements therein, and layers of rubber outside of and between the layers containing the puncture resisting elements and vitalized to a greater degree than the latter layers.

1,566,267. COMBINATION UNDERGARMENT FOR WOMEN'S WEAR. MAPEARL CURTIS BEE, New York, N. Y. Filed May 12, 1924. Serial No. 712,500. 1 Claim. (Cl. 2—73.)



A union garment comprising a chemise and a brassière, the fabric of the chemise being extended at the top and folded inwardly and downwardly to form the brassière, the brassière having at its lower edge an elastic insert adapted to fit snugly about the wearer to afford support, together with shoulder straps secured to the brassière and chemise at the fold of the material.

1,566,268. STEREOTYPE PRINTING PLATE. MARTIN W. BRUESHABER, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Original application filed Mar. 21, 1921, Serial No. 454,001. Divided and this application filed Jan. 21, 1922. Serial No. 530,945. 2 Claims. (Cl. 101—395.)

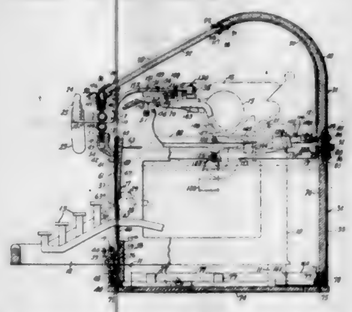


1. A hemi-cylindrical printing plate having two straight edges and two arcuate edges, one end comprising an arcuate tail and the other arcuate end comprising an arcuate riser, the convex side of said tail and riser being curved to fit into concave lifting yokes for facilitating a quick removal of the plate from the matrix.

1,566,269. PRODUCTION OF ALUMINUM CHLORIDE. LOUIS BURGESS, Bayonne, N. J., assignor, by mesne assignments, to himself and Maurice Barnett. Filed July 27, 1921. Serial No. 487,924. 7 Claims. (Cl. 23—93.)

1. The process which consists in subjecting aluminum silicid material to the action of dry hydrochloric acid gas under conditions causing a reaction between the same resulting in aluminum chloride.

1,566,270. TYPEWRITING MACHINE. GEORGE W. CAMPBELL, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 27, 1921. Serial No. 510,725. 21 Claims. (Cl. 197—186.)



1. A typewriting machine in combination with a sound-deadening casing therefor comprising; an interior chamber for the carriage, of such length that the carriage may travel therein on the machine between its extreme



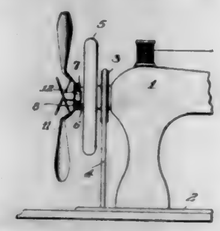


positions; carriage-release means including a lever swingable about a vertical pivot on said carriage; a front for the casing slotted horizontally and longitudinally of the casing, for movement therealong of the carriage-release-lever with the carriage, said slot having a locally yielding cushion seal, and the release-lever extending forwardly from its pivot to said casing and protruding through said slot to the outside of the casing, and being freely operable longitudinally of said slot to release the carriage, and a hand-hold on said carriage and extending forwardly therefrom to said casing and protruding forwardly alongside of said release-lever so that both may be engaged between the thumb and forefinger.

1,566,271. MEDICINAL PREPARATION. VINCENZO CESA, Hoboken, N. J. Filed Apr. 8, 1921. Serial No. 459,720. 2 Claims. (Cl. 167—9.)

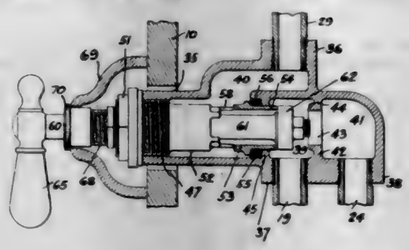
1. A medicinal preparation composed of an albumin comprising the white of an egg in a frothy state, a semi-solid fat and sulphur.

1,566,272. FAN ATTACHMENT FOR SEWING MACHINES. GIACOMO COSTA, Rochester, N. Y. Filed Feb. 21, 1924. Serial No. 694,107. 2 Claims. (Cl. 230—7.)



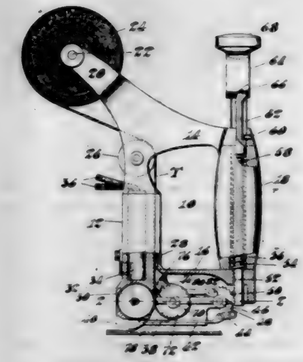
1. A fan attachment for sewing machines embodying a flat central hub plate and fan blades attached thereto said hub plate being provided with opposite laterally arranged converging clips extending axially and thence inwardly and adapted to jam upon the head of the nut on the sewing machine shaft through an applying movement transverse to said shaft.

1,566,273. BATH FIXTURE. SAMUEL GADE, New York, N. Y. Filed Sept. 2, 1925. Serial No. 54,069. 4 Claims. (Cl. 251—22.)



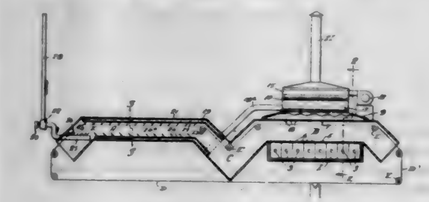
1. In a diverting valve for the purpose specified, a housing having an inlet chamber, an outlet chamber to a shower, and an outlet chamber to a tub, the said chambers being connected with each other by concentric passages, the wall separating the inlet chamber from the said outlet chamber to a shower having an annular recess at its outlet chamber side, and a resilient gasket within the said recess, a bonnet extending into the said outlet chamber to a shower, having an annular shoulder within the said outlet chamber to a shower adapted to compress the said gasket to cause a fluid tight joint between the said bonnet and the said wall, a valve spindle adapted to be reciprocated within the said bonnet and extending into the said inlet chamber, and a valve disc secured to the end of the spindle, adapted to close the passage between the said inlet chamber and the said outlet chamber to a tub, and also adapted to be moved to seat against the inwardly extending end of the said bonnet to close the passage between the inlet chamber and the said outlet chamber to a shower and simultaneously open the passage between the inlet chamber and the said outlet chamber to a tub.

1,566,274. TAPE-APPLYING APPARATUS. PERLEY R. GLASS, Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 26, 1919. Serial No. 340,785. 18 Claims. (Cl. 154—42.)



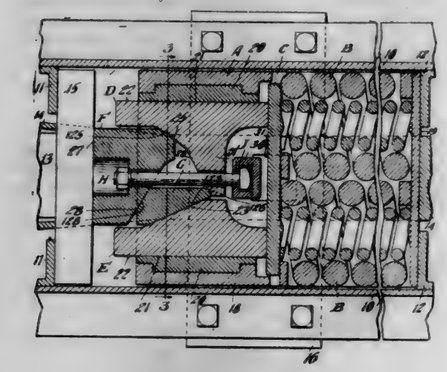
1. In a tape-applying apparatus, a frame arranged to be grasped by the operator for movement over the work and having a pressure surface, means for heating the pressure surface, and means mounted upon the frame but separated from said frame and the source of heat and arranged to carry a supply of tape for delivery between the pressure surface and work, the condition of said tape being changed by heat after leaving the supplying means to prepare it for application.

1,566,275. APPARATUS OR SYSTEM FOR DRYING, BAKING, ETC. JAMES M. HARRISON, Cleveland, Ohio. Filed Dec. 22, 1923. Serial No. 682,355. 9 Claims. (Cl. 34—19.)



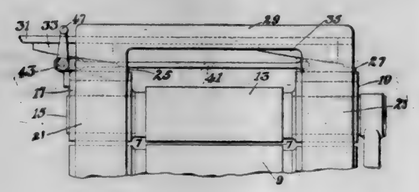
1. A system or apparatus comprising a pair of oven sections communicating in series for the continuous conveyance of articles therethru, means for applying heat to the second oven section, an air heater arranged to be heated by the heated gases passing beyond such second oven section, means for forcing air thru such heater, and means for delivering the same into the first oven section.

1,566,276. FRICTION SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 22, 1922. Serial No. 608,422. 9 Claims. (Cl. 23—34.)



1. In a friction shock absorbing mechanism, the combination with a friction shell having interior longitudinally extending friction surfaces; of friction shoes co-operable with said shell; a spring resistance; and a multiple part wedge co-operable with the shoes, the parts of said wedge having relatively keen angle wedging engagement with the shoes and blunt angle engagement with each other permitting collapse of the wedge during release, one of said parts of the wedge having also a different angle engagement with a shoe opposed to that shoe with which said part has keen angle wedge engagement.

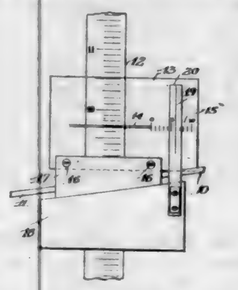
1,566,277. GRADING MACHINE. CHARLES HAROLD HEATHER, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 20, 1925. Serial No. 17,089. 6 Claims. (Cl. 69—11.)



1. A machine of the class described having, in combination, grading mechanism constructed and arranged to grade blanks by a predetermined unit of difference, and readily accessible operator-controlled means for changing the size of the unit.

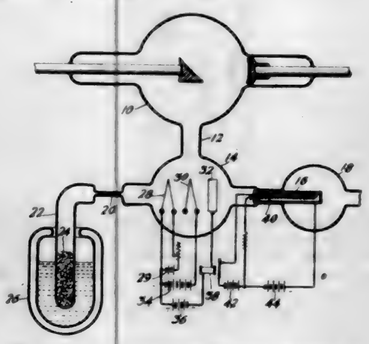
1,566,278. OCULAR MICROMETER. GUSTAVE A. H. KELLNER, Rochester, N. Y., assignor to Bausch & Lomb Optical Co., Rochester, N. Y., a Corporation of New York. Filed Oct. 9, 1923. Serial No. 667,492. 7 Claims. (Cl. 88—2.2.)

1. In an ocular micrometer, the combination with optical means forming an image of a scale to be read, of wedge parts movable one on the other, one of said parts having an index mark and the other a cooperating



subdividing scale, and an index mark on the movable one of said parts adjustable over the image of the scale to be read.

1,566,279. GAS-PRESSURE CONTROL. ROBERT W. KING, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 10, 1921. Serial No. 436,167. 12 Claims. (Cl. 250—34.)



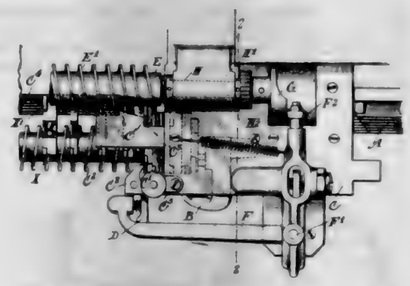
1. The method of regulating the gas pressure in a device, which comprises ionizing a portion of the gas at a rate substantially proportional to the pressure, and supplying gas to said device at a rate controlled by said ionization.

1,566,280. STORAGE-BATTERY GRID. HENRY W. LORMOR, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed Feb. 18, 1924. Serial No. 693,498. 7 Claims. (Cl. 136—49.)

1. A storage battery grid having horizontal paste retaining ribs each rib having a body portion extending downwardly and inwardly from a side of the grid.

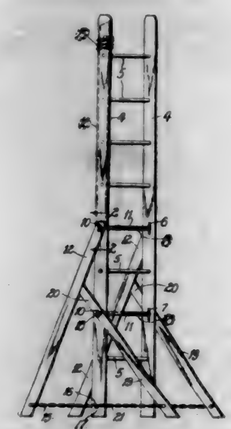


1,566,281. TYPOGRAPHICAL DISTRIBUTING MACHINE. LUTHER E. MORRISON, New York, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed May 29, 1925. Serial No. 33,639. 8 Claims. (Cl. 199—42.)



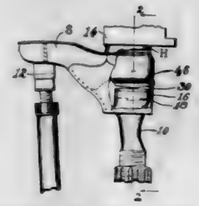
1. In a typographical distributing mechanism, the combination of a set of rotatable matrix conveying screws, means for feeding matrices to the screws, and means for operating the matrix feeding means at such rate of speed as to cause the matrices to be engaged by nonconsecutive convolutions of the screws, for the purpose described.

1,566,282. LADDER. NICHOLAS PELLIGREEN, St. Louis, Mo. Filed Aug. 25, 1924. Serial No. 733,861. 1 Claim. (Cl. 228—64.)



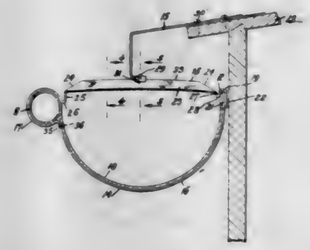
A ladder comprising a pair of side members having rungs therebetween and having a pair of spaced apart longitudinally extending slots in each of said side members, rods extending through said slots, a tube surrounding each of said rods and located between the side members and adapted to serve as a rung, a leg pivotally mounted on each end of one of said rods and located adjacent one of said side members, a second pair of legs pivoted intermediate their ends to the remaining rod and located adjacent the outside of the respective side members, one end of each of said last mentioned legs adapted to contact with an edge of the first mentioned legs for supporting the same, means carried by the rods whereby said legs may be secured to said side members against movement, and flexible means for limiting the spreading of said legs.

1,566,283. LAST SUPPORT. JOSEPH H. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 6, 1922. Serial No. 592,827. 14 Claims. (Cl. 12—126.)



1. The combination with a last-support, of a continuous lining-protector surrounding the support and movable toward and from a lasted shoe.

1,566,284. GUTTER HANGER. MAX RACHLIN, Brooklyn, N. Y. Filed Sept. 20, 1924. Serial No. 738,884. 3 Claims. (Cl. 108—29.)

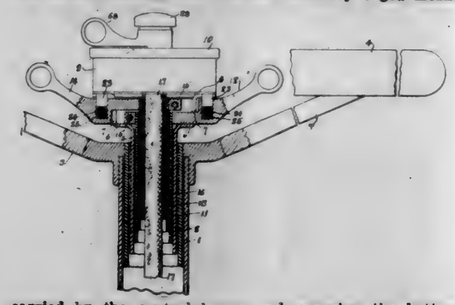


1. A gutter hanger comprising a bar extending transversely of the gutter and provided at its outer end with a hook-shaped section fitting over the bead of the gutter, the opposite end of said bar being provided with a bend adapted to rest on the opposite edge of the gutter, said bend being provided with a slot, a strap member forming a continuation of said hook-shaped section tightly embracing the underface of the gutter and adapted to be drawn through said slot, said bar being of inverted V-shaped in transverse cross-section, its sloping sides being bounded by sloping ends, said bar being disposed wholly above said gutter, one of said sloping ends being extended downwards into said gutter and merging at a sharp angle with said hook-shaped section, and the other one of said sloping ends being also extended downwards into the gutter and merging at a sharp angle with said bend.

1,566,285. SELF-PROPELLED VEHICLE. LOUIS R. RUTHENBURG, Dayton, Ohio. Filed Nov. 20, 1922. Serial No. 602,309. 2 Claims. (Cl. 74—39.)

1. The combination with a fixed tubular member; of a circular switch housing fixed on the upper end of said tubular member, a plurality of tubular members surrounding the first tubular member in concentric relation,

control levers each fixed to one of the last mentioned tubular members and extending outwardly from beneath the switch housing, and friction resiliently urged means



carried by the control levers and engaging the bottom of the housing at points exteriorly of the fixed tubular member.

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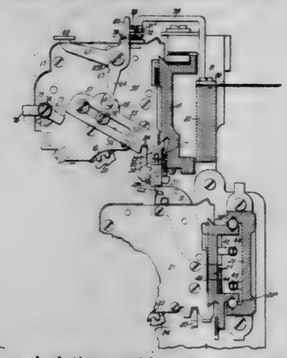
1,566,286. CALCULATING MACHINE. CHARLES E. SMITH, Brooklyn, N. Y., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 16, 1923. Serial No. 675,058. 38 Claims. (Cl. 235—59.)



3. In a calculating machine, the combination with vertical totalizers and a cross-totalizer, of pick-up mechanism including a device associated with each vertical totalizer and shiftable to two positions to render the pick-up mechanism operative or inoperative, and means to prevent said device from being shifted during the computation of a number.

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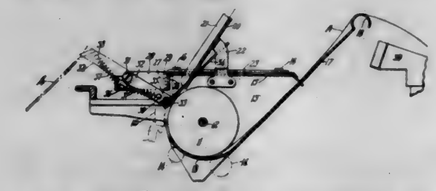
1,566,287. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 27, 1924. Serial No. 716,100. 5 Claims. (Cl. 197—133.)



1. In a typewriting machine, the combination with a platen-frame, and a platen revoluble therein, of forwardly extending brackets attached to the ends of said frame, means for independently adjusting each bracket,

a knife extending coincidentally in length with the platen, arms on said knife pivoted to the brackets, and a handle on said knife whereby it may be swung into operative position against said platen or swung outwardly therefrom.

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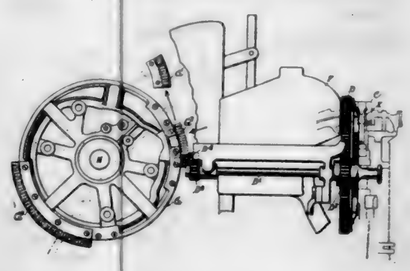
1,566,288. TYPOGRAPHICAL CASTING MACHINE. SAMUEL SMITH, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Mar. 21, 1924. Serial No. 700,776. 15 Claims. (Cl. 199—47.)



1. In a slug casting machine, the combination of casting mechanism adjustable to vary the length of the cast slug, and automatic means for effecting such adjustment of the casting mechanism after every other casting operation.

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1,566,289. COMBINED CAP AND SWAB. FRANCIS J. STODOLA, Jr., Oak Park, Ill. Filed May 28, 1925. Serial No. 32,272. 2 Claims. (Cl. 91—67.2.)

1. A combined cap and swab, comprising a sheet metal cap having a flat end formed with a struck up depression on its inner side, a flat, thin, leak preventing washer contained wholly within the cap and adapted to bear against the inner side of said flat end of the cap, a swab, and a swab holding metal stem extending from said cap, one end portion of said stem extending through said washer and into said depression of the cap and being secured in said depression by solder contained wholly in said depression.

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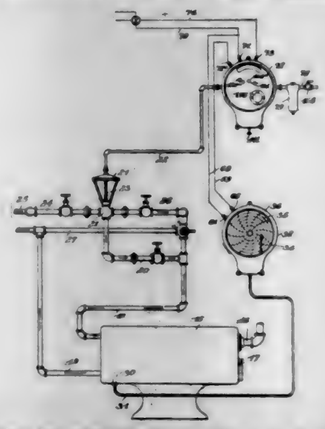
1,566,290. AUTOMATIC CONTROL APPARATUS FOR PROCESSING EQUIPMENT. LEWIS B. SWIFT, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Mar. 5, 1924. Serial No. 697,167. 9 Claims. (Cl. 62—2.)

1. In apparatus of the character described, a container, means for supplying thereto a medium for controlling the temperature therein, time control mechanism provided with means for starting the same, signal means operated by said mechanism, a sensitive device



responsive to the temperature in said container and connected with said starting means for actuating the same at a predetermined temperature in said container, and



mechanism for automatically operating said supply means coincidently with the starting of said time control mechanism.

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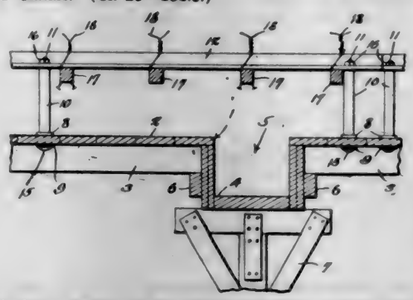
1,566,291. SLEEPER HANGER. GORDON M. TAMBLYN, Denver, Colo. Filed Apr. 7, 1924. Serial No. 704,795. 2 Claims. (Cl. 25—131.5.)



1. In a device of the class described, a floor form, means for supporting the floor form from below, spacers extended upwardly from the floor form and supported thereby, a hanger bar detachably supported on the spacers and located above the floor form, and means for holding sleepers against the lower edge of the hanger bar.

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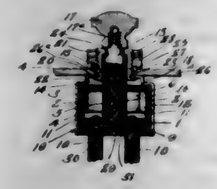
1,566,292. ELECTRIC SWITCH. DON N. THOMPSON, Syracuse, N. Y., assignor to Pass & Seymour Inc., Solvay, N. Y., a Corporation of New York. Filed May 26, 1922. Serial No. 563,881. 3 Claims. (Cl. 200—63.)



1. A switch comprising a cup shaped base having contacts on its inner annular wall, a cover closing the open end of the base, a casing enclosing the top and sides of the base and being open at its bottom, the casing holding the cover of the base in position, a rotary switch member rotatably mounted in the base having resilient terminals for coacting with said contacts and guiding the switch member in its rotary movement, the switch member having a shank extending through the cover and through the casing, said switch member being removable through the outer end of the cup shaped base upon removal of the base from the casing and the cover from the base.

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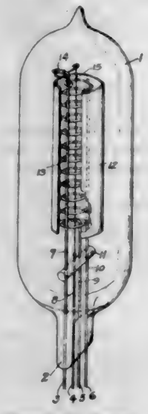
1,566,293. THERMIONIC DEVICE. HENDRIK J. VAN DER BIJL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 4, 1919. Serial No. 321,653. 8 Claims. (Cl. 250—27.)



1. An electron discharge device comprising a glass tube having one end collapsed to form an outwardly projecting flareless stem, a plurality of conductors sealed in said stem and a plurality of electrodes each supported by one of said conductors.

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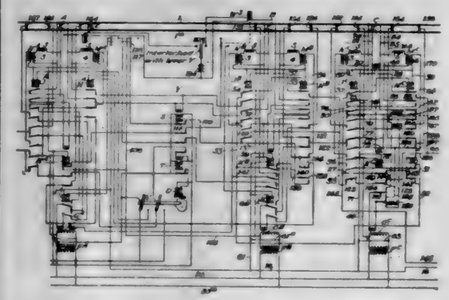
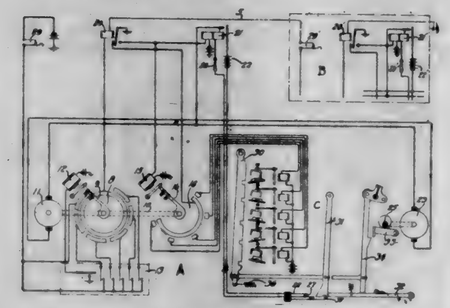
1,566,294. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HERBERT A. WALLACE, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 20, 1923. Serial No. 669,740. 35 Claims. (Cl. 246—26.)



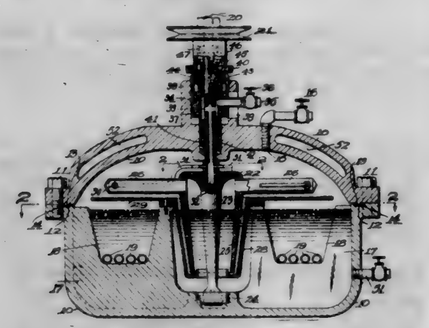
1. Railway traffic controlling apparatus comprising an insulated section of railway track, two directional relays for said section, manually operable means for energizing one or the other of such directional relays at a time but not both of them simultaneously, means controlled by said relays for supplying track circuit current to said section, and means also controlled by such relays for supplying local current to said section.

**1,566,295. PRINTING-TELEGRAPH SYSTEM.** EDWARD F. WATSON, Yonkers, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 17, 1922. Serial No. 595,122. 10 Claims. (Cl. 178—23.)



1. In combination, a line connecting a plurality of stations, recording means associated with said line including shifting mechanism and a motor, a circuit for said motor, normally closed contacts included in said motor circuit, means responsive to impulses from a distant station for closing said motor circuit, and selectively operated means controlled from a distant station for operating said shifting mechanism to permit the opening of said normally closed contacts to thereby open the motor circuit.

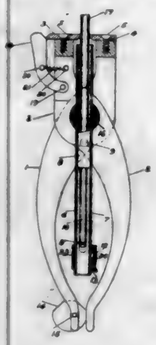
**1,566,296. ROTARY PUMP.** ALONZO W. WHITCOMB, Worcester, Mass. Filed Aug. 16, 1921. Serial No. 492,727. 3 Claims. (Cl. 230—14.)



1. A rotary pump comprising a casing, a member mounted to rotate in said casing and having an inverted cup-like recessed depending projection open at its lower end and enlarged in diameter toward its upper end, arms extending outwardly from said member and having passages connected with said recess, draft tubes communicating with said passages and restricted in their intermediate portion, nozzles associated with said draft tubes and connected to a casing inlet, and a fixed sleeve closely surrounding said depending projection and also open at its lower end.

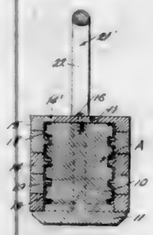
**1,566,297. INSULATED-WIRE STRIPPING AND SCRAPING DEVICE.** RAYMOND A. WILLIAMS, Pittsfield, Mass. Filed Dec. 11, 1924. Serial No. 755,300. 2 Claims. (Cl. 81—9.5.)

1. The combination with a pivoted tool member of the class described having operating handles and comprising stripping jaws, means to secure said jaws to the tool members, a tubular member for regulating the length of the cable to be stripped, a stop within said tubular member, and an extension rod affixed to said stop, said tubular member provided with a plurality of



notches on the outer side, a spring clip slidably affixed to the said tubular member and cooperating with the notches thereon, and an eccentric cam rotatably connected to the tool member to provide means to regulate the size of the wire to be stripped.

**1,566,298. KEYLESS PADLOCK.** ALBERT WILSON, Yuma, Ariz. Filed July 1, 1924. Serial No. 723,553. 1 Claim. (Cl. 70—113.)



The combination padlock comprising a solid cylindrical barrel, having longitudinal grooves therein at diametrically opposite points, equi-distantly spaced longitudinally alined lugs formed on the barrel intermediate the grooves, locking rings rotatably received in the barrel, spaced semicircular ribs formed on the inner faces of the locking rings, a shackle having parallel arms formed with equidistantly spaced notches, the ribs of the rings being adapted to engage in the notches and with the longitudinally alined lugs, a cap plate fitted in one end of the barrel to hold the locking rings in place, the inner face of the cap plate having formed therein a centrally disposed opening, a pin carried by the barrel and arranged in the opening and serving to hold the cap plate against rotation, and a threaded element passing through the cap plate and engaging the barrel whereby to hold the upper end of the latter against the cup plate and thus cause the ribs to contact with the lugs with sufficient friction as to hold the rings against accidental rotation.

**1,566,299. SELF-PROPELLED RAILWAY CAR.** MARTIN P. WINTHER, Kenosha, Wis., assignor to The Sykes Company, St. Louis, Mo., a Corporation of Delaware. Filed May 12, 1924. Serial No. 712,564. 12 Claims. (Cl. 105—62.)

1. A self-propelled car, comprising a main frame and mounted upon trucks and carrying an engine, and a sub-frame yieldingly suspended from said main frame and carrying power transmitting devices in operable

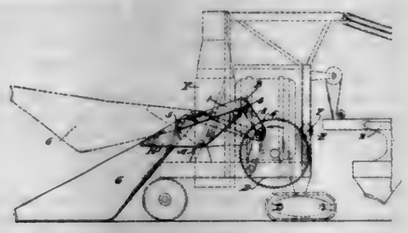
connection with said engine and adapted to absorb and dampen noises and vibration occasioned by the transmission of power.



**1,566,300. PROTECTIVE SHIELD.** LEWIS ALEXANDER and WILLIAM H. H. HASTINGS, Clinton, Ill. Filed Oct. 9, 1924. Serial No. 742,627. 5 Claims. (Cl. 20—1.01.)

1. In a protective structure of the class described, the combination of means to form a movable shield in front of the position occupied by the bank employee or other person, instrumentalities for controlling the motion of said shield, thereby to render the same operative in the event of an attack by bandits or thieves outside, said shield comprising a plurality of shutters pivoted to turn about parallel axes, spaced apart a distance to cause their edges to overlap when closed, so that each shutter limits the closing movement of the next one, and said instrumentalities comprising an endwise movable bar, springs for connecting said bar to the shutters, operative to both open and close the shutters by endwise motion of said bar, and operative to hold the shutters in open position, so that the springs prevent closing of the shutters when said bar is in one position thereof, and means to actuate said bar to quickly close the shutters, thereby to hold the shutters in engagement with each other to form the shield, whereby one or more shutters may by the yielding action of the spring or springs thereof remain open or partially open without preventing closing of the other shutters, said springs forming a yielding connection between the shutters and bar.

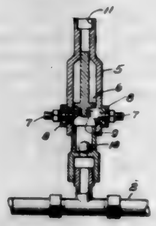
**1,566,301. SKIP-ELEVATING MECHANISM.** RAYMOND A. BECKWITH, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 16, 1924. Serial No. 713,823. 9 Claims. (Cl. 214—130.)



1. In combination, a support, a loading skip mounted thereon, means pivotally connecting one end of the skip with the support, a rotating power device, links connecting the pivoted end portion of the skip with said device, and means acting on one of the links intermediate its connection with the other link and its connection with the skip to convert said link into a lever at a predetermined point in the movement of the skip under the influence of the power device.

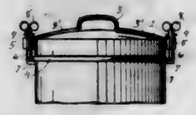


**1,566,302. PRESSURE-OPERATED SWITCH.** ALBERT S. BERTANZETTI and SILVIO DE PRANPERO, Fredericktown, Pa.; said De Pranpero assignor to said Bertanzetti. Filed Dec. 4, 1922. Serial No. 604,967. 1 Claim. (Cl. 200—82.)



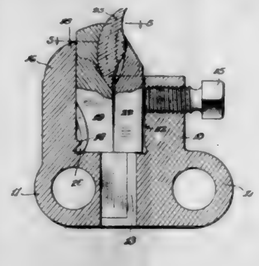
In an oil circulating system for a gas engine, a circulation pipe, a pressure chamber in communication with said circulation pipe, a contact piece adapted to be held inactive under accumulated pressure within the chamber against an opposing force, and a check valve controlling the communication between circulation pipe and pressure chamber.

**1,566,303. ICE-CREAM CAN.** JAMES E. BIRNEY, Grand Rapids, Mich., assignor of one-half to Patrick I. Birney, Grand Rapids, Mich. Filed June 11, 1923. Serial No. 644,623. 2 Claims. (Cl. 220—55.)



1. In combination with a can having a strengthening bead around it near the top, and a cover for said can; a yoke passed over the cover and having cylindrical bearings at the ends thereof, bolts passed through said bearings and having eccentric heads thereon adapted to be made to engage the bead outside of the can and draw the cover firmly upon the can.

**1,566,304. MINING-MACHINE CHAIN LINK AND BIT.** NEWTON K. BOWMAN, Bowdil, Ohio. Filed Nov. 6, 1922. Serial No. 599,316. 7 Claims. (Cl. 262—33.)

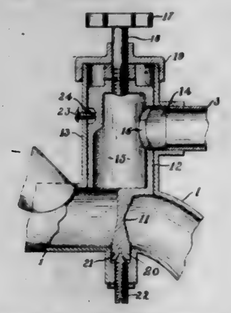


1. In a mining machine, a chain link, a stock carried thereby and provided with a concavely curved seat, a curved cutting tooth fitting said seat, and a clamping bar having one face thereof notched to straddle the tooth binding the tooth between said bar and stock.

1,566,305. METHOD OF MAKING BLUE PRINTS WITH DARK LINES AND WHITE FIELDS. ROLAND C. BROWN, Milwaukee, Wis. Filed Nov. 6, 1923. Serial No. 673,205. 2 Claims. (Cl. 41—46.)

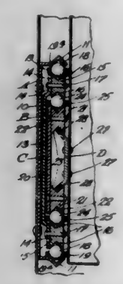
1. The process of making a blue-print with dark delineations and characters upon a white field, which consists in imposing upon a plain sheet, an impression or transfer sheet provided upon its underside with an opaque coating and superposing a drawing thereon, tracing the drawing to produce upon the plain sheet a replica of such drawing for checking purposes and convert the impression sheet into a negative by the transfer of the coating to the plain sheet in the tracing operation, fixing the coating upon the negative by applying a preservative thereto, and printing copies upon sensitized paper by passing light rays through the open lines of the drawing.

1,566,306. VALVE FOR CONTROLLING HEATED GASES TO INTAKE-MANIFOLD JACKETS. JOHN L. BURNS, Syracuse, N. Y., assignor to H. H. Franklin Mfg. Company, Syracuse, N. Y., a Corporation of New York. Filed Dec. 26, 1919. Serial No. 347,480. 4 Claims. (Cl. 277—19.)



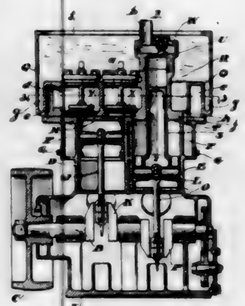
1. In a device of the class described, a casing formed with an outlet port, and an inlet for connection to a feed conduit, and means for controlling the flow of gas thrugh the casing and the port comprising a rotatable member having a deflector arranged to extend into the feed conduit, and means for rotating said member to open and close the port and to change the angle of the deflector, substantially as and for the purpose specified.

1,566,307. DRAWER SUSPENSION. EARL J. CARD and JOSEPH E. TURNER, Jamestown, N. Y., assignors to Art Metal Construction Company, Jamestown, N. Y. Filed Sept. 19, 1921. Serial No. 501,676. 5 Claims. (Cl. 45—77.)



2. In a drawer suspension, the combination of an outer channel member having inwardly facing longitudinal grooves and adapted to be secured to a support, a floating channel slidably arranged in said channel member, and having flanges at its opposite edges, each of said flanges having an outwardly and an inwardly facing longitudinal groove therein, said outwardly facing grooves in said flanges cooperating with the inwardly facing grooves of said outer channel member to form raceways, friction reducing devices in said raceways, an inner channel slidably arranged in said floating channel, and having flanges at its opposite edges, each of said last mentioned flanges having an outwardly and an inwardly facing groove therein, friction reducing devices between the outwardly facing grooves of said inner channel and the inwardly facing grooves of said floating channel, an attaching plate having edges engaging the inner grooves of said inner channel and attached to a drawer and a latch for releasably retaining said inner channel in place on said attaching plate.

1,566,308. VERTICAL COMPRESSOR. ALLAN O. CARPENTER, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 10, 1925. Serial No. 42,634. 1 Claim. (Cl. 230—32.)



A multi-stage vertical compressor or pump, comprising a base, a low pressure air cylinder mounted on said base and having a cross head guide cylinder formed integral therewith, said air cylinder and guide cylinder being arranged side by side and provided with a water jacket, an air cylinder head extending over both the said low pressure cylinder and guide cylinder and having a high pressure air cylinder formed integral therewith adapted to be located over the guide cylinder, pistons for the cylinders, and a cross head in the guide cylinder connected to the high pressure piston.

1,566,309. FIBER BOARD. ALBERT L. CLAPP, Danvers, Mass., assignor to Beckwith Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed July 19, 1921. Serial No. 485,977. 15 Claims. (Cl. 92—21.)

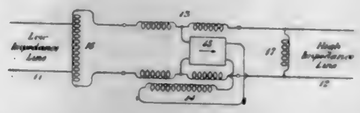
1. That step in the process of producing a dry moldable material, which comprises beating out cellulose in the presence of animal matter and water until the cellulose is hydrated to a point of sliminess.

1,566,310. FIBER BOARD. ALBERT L. CLAPP, Danvers, Mass., assignor to Beckwith Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 23, 1921. Serial No. 494,638. 2 Claims. (Cl. 92—21.)

1. The herein described method of making dense hard fiber board, which comprises beating cellulosic material until the fibers are well hydrated, then sheeting the stock on a paper-making machine and drying the same, and subjecting the sheet or portions thereof to heat and high pressure of an order of about 2500 pounds to the square inch.

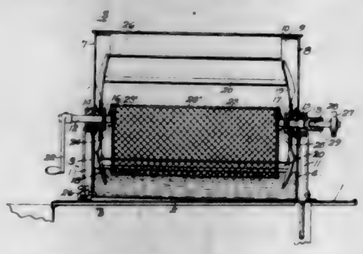


1,566,311. TELEPHONE-REPEATER CIRCUITS. ALVA B. CLARK, Brooklyn, N. Y., and RAY S. HOYT, Ridgewood, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 3, 1921. Serial No. 504,976. 6 Claims. (Cl. 179—171.)



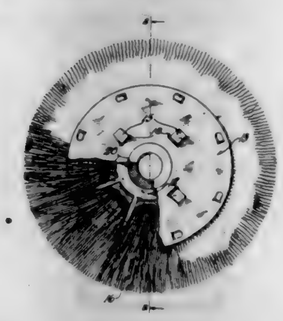
1. In combination, two dissimilar lines, a 21-type repeater connecting them, a network or networks to reduce the impedances of the lines to substantially pure resistances over the essential frequency range, and means to equalize the resultant impedances of the two lines.

1,566,312. WASHING MACHINE. CLINTON T. COATES, St. Louis, Mo., assignor, by direct and mesne assignments, to C. & P. Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed May 18, 1922. Serial No. 561,895. 5 Claims. (Cl. 68—18.)



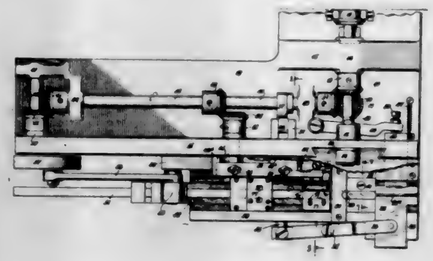
4. A device of the class described embodying therein article holding means, rotatable means surrounding the article holding means, a cover member for said article holding means, means for connecting it to the article holding means, and means connecting the cover means and the rotatable means as and for the purpose specified.

1,566,313. ROTARY BRUSH. IRBIL L. G. CORNELL, Milwaukee, Wis., assignor to The Milwaukee Brush Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 28, 1924. Serial No. 716,429. 2 Claims. (Cl. 15—179.)



2. In a rotary brush, the combination of a spider having a series of bristle-receiving openings near its outer edge, bristles passed through said openings and extending back on themselves and outwardly in substantially radial position, plates secured to the said spider at each side and clamping the bristles between them and the spider, and tongues on said plates extending inwardly beyond the outer edge of the spider to prevent displacement of said bristles in the plane of rotation of the brush.

1,566,314. MACHINE FOR SEALING CONTAINERS. ANTHONY DANIELS, Newark, N. J., assignor to The Perfex Products Corporation, a Corporation of New Jersey. Filed Apr. 9, 1924. Serial No. 705,187. 19 Claims. (Cl. 113—1.)



1. A machine for effecting a closure of a tube end comprising means for cutting and shaping a clip from a metallic strip fed to the machine co-operatively connected for continuous operation with means for clamping the clip over the tube end, and for infolding the clinched clip and tube end portions to form a seam.

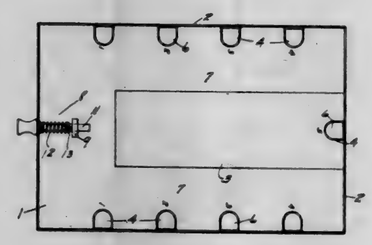
1,566,315. PEDAL PROTECTOR. WILLIAM C. DAUMUELLER, Lebanon, Ill. Filed Sept. 18, 1925. Serial No. 57,172. 1 Claim. (Cl. 74—81.)

A protector for the food pedals of player pianos including a sheet and a holding frame including side and end bars of angular formation, certain of the flanges of the side and end bars lying in the same plane and engaging the margins of the protective sheet, the other flanges of the holding frame overlapping the edges of the sheet and pedal, and means co-acting with one of the flanges and overlaps the margins of the sheet and pedal for securing the frame to the pedal.

1,566,316. SIGN. ANTHONY ELTON DAVIS, Philadelphia, Pa. Filed Sept. 22, 1922. Serial No. 589,760. 2 Claims. (Cl. 40—125.)

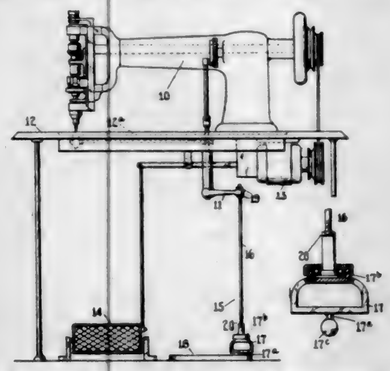
1. A sign of the type specified comprising in combination a rigid metal strip of T-shape cross-section in the form of a rectangular hollow frame and of which the head is disposed outside and is continuous and curved and of which the web ranges inwards and is cut away at the corners and provides a support for sign attachment, and pedestals immovably secured to one edge of the frame.

1,566,317. GAME. WILFRID E. DIEGEL, River Rouge, Mich. Filed July 29, 1925. Serial No. 46,743. 4 Claims. (Cl. 273—119.)



2. A game apparatus, comprising in combination an enclosed rectangular field including differentiated medial and outlying field sections; a plurality of numbered pockets arranged around three sides of the field; an interference triangle for placing upon the said medial section; a ball; a plurality of counters for checking the status of the players; and mechanical means for propelling the ball over the field.

1,566,318. FOOT-GOVERNING DEVICE FOR SEWING AND EMBROIDERING MACHINES HAVING UNIVERSAL FEED MOTION. MORRIS EPSTEIN, New York, N. Y. Filed July 14, 1924. Serial No. 725,817. 10 Claims. (Cl. 112—98.)

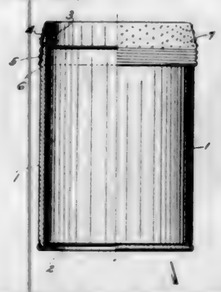


1. In combination, a sewing or embroidering machine having a universal feed motion and a device having foot receiving means adapted to move in a circular path for governing the feed motion.

1,566,319. CONTAINER FORM, EXPANSION JOINTS, AND METHOD OF INSTALLING SAME. ALBERT C. FISCHER, Chicago, Ill. Filed June 19, 1922. Serial No. 569,247. 7 Claims. (Cl. 94—18.)

1. The method of installing an expansion joint, which consists in placing in position at the joint to be formed a molding container together with a spacing board in said container, pouring the concrete along side the partition thus provided, while the spacing board is in place, and then removing the spacing board from the container, and molding into said container a bituminous material.

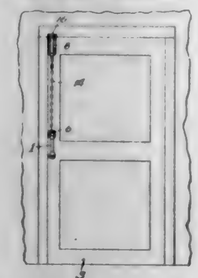
1,566,320. REPAIR KIT. RICHARD W. FOX, Birmingham, Ala. Filed Oct. 25, 1924. Serial No. 745,846. 2 Claims. (152—27.)



1. In a repair kit of the character described, an end closure for a tubular container, which comprises a body portion adapted to engage and seal an end of the container and a wide external flange overlapping the container and perforated to present a roughened external surface, for the purposes described.



1,566,321. DOOR LATCH. PETER FRANTZ, Sterling, Ill., assignor to Frantz Manufacturing Company, Sterling, Ill., a Corporation of Illinois. Filed Sept. 5, 1922. Serial No. 586,129. 9 Claims. (Cl. 292—167.)



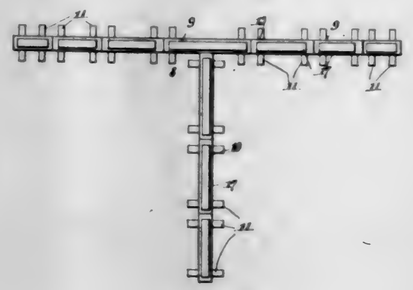
1. In locking means for a door or window or other closure, the combination of a handle member having a hand grip, means whereby said member is rigidly secured to said closure, a reciprocating locking bolt mounted on said closure a distance from and independently of said handle, depending upon the size of the door and the consequent distance between the convenient position for the handle and the effective position for the locking bolt, means to be engaged by said bolt to lock the closure in closed position, and a connection extending the distance from said locking bolt to a point of control adjacent said handle member, so that said locking bolt is controllable by the thumb of the hand in the act of grasping the handle to open the door.

1,566,322. FLOOR BRUSH. CARL C. GRAY, Minneapolis, Minn., assignor, by mesne assignments, to Gopher Brush Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Jan. 26, 1923. Serial No. 615,006. 2 Claims. (Cl. 15—195.)

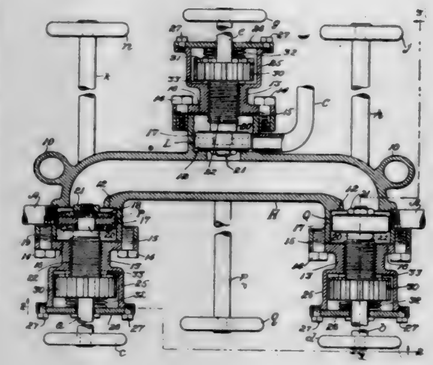
1. A brush structure comprising a head in the form of a channel having closed rounded ends, said head being pressed from a single piece of material and without seams, a clamping bar working in the channel of said head, and brush material clamped in the channel of said head by said clamping bar, the said clamping bar being in the form of a channel having its flanges turned into the channel of said head, the ends of the flanges of the clamping bar being rounded and spaced from the rounded closed ends of the head.

1,566,323. SHEET-MATERIAL-DISPLAY DEVICE. EDWIN T. GRAY, New York, N. Y. Filed Jan. 19, 1925. Serial No. 3,311. 2 Claims. (Cl. 211—14.)

1. In a device of the class described, a frame having an internal channel open at the top, a carrier frame of rectangular shape having a channel in its inner edges, one side of said carrier frame being removable and having a channel to communicate with the channel of said carrier frame, spring arms carried by said cover and extending over the outer edges of the nearest adjacent side of the frame, the said carrier frame having recesses therein to receive said catches, and display forms received within said channels.



1,566,324. VALVE MECHANISM FOR AIR-BRAKE SYSTEMS. JOHN H. HANLON, Somerville, Mass. Filed Aug. 1, 1923. Serial No. 655,049. 18 Claims. (Cl. 303—86.)

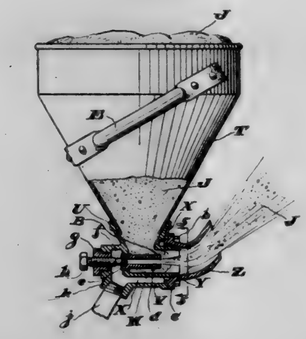


1. In an air brake system, the combination with the train pipe and the branch pipe leading to the air brake mechanism, of a reciprocating valve for controlling communication between said train pipe and branch pipe, and a pair of reciprocating valves at opposite sides respectively of said first named valve for controlling the flow of air through said train pipe.

1,566,325. MORTAR PROJECTOR. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 24, 1924. Serial No. 739,448. 2 Claims. (Cl. 91—45.)

2. A mortar projector including a hopper having a restricted outlet, a chamber at said outlet to receive material by gravity from said hopper, a nozzle, a jet for compressed motive fluid located in said chamber and

adapted to project material from said chamber into the nozzle, a ring jet for compressed motive fluid adapted to impart additional velocity to the material projected



by the central jet, and a needle valve for regulating the flow of pressure fluid through the central jet in relation to the ring jet.

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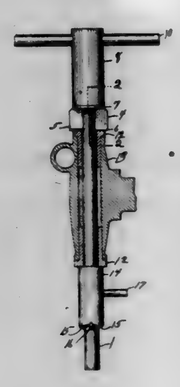
1,566,326. REFACING BUSHING TOOL. WILLIAM JARVIO, Quincy, Mass. Filed May 5, 1924. Serial No. 711,268. 3 Claims. (Cl. 90—12.)



1. A tool of the class described including a stem, a blade rigidly mounted on one end of the stem, a sleeve rotatably and slidably mounted on the other end of the stem and having its outer end in the form of a cam, a removable pin on the stem engaged with the cam of the sleeve, and means for facilitating manual rotation of the sleeve on the stem for adjusting the blade into engagement with the object to be refaced.

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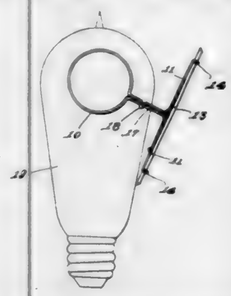
1,566,327. SHADE. GEORGE JOHNSON, River Rouge, Mich. Filed Dec. 1, 1924. Serial No. 753,350. 1 Claim. (Cl. 240—138.)

A new and improved article of manufacture comprising a holder formed from a single length of wire and including a U-shaped body portion, the wire forming said body portion being crossed at a point centrally of the said body portion and extending in opposite directions to form angularly shaped wings, each wing including an



offset horizontal portion terminating to provide a hook, and a coil formed on each parallel portion of the U-shaped body as and for the purpose specified.

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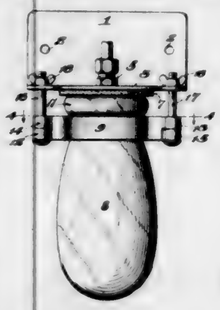
1,566,328. PURIFIER FOR GASOLINE SYSTEMS. ORA H. JUSTUS, Parkersburg, W. Va. Filed June 12, 1924. Serial No. 719,630. 1 Claim. (Cl. 248—65.)



A bottle holder comprising in combination with a support, a clamp including sections formed to engage about opposite sides of the bottle neck and against the bead thereof, an eye at each end of each section, the eyes at adjacent ends of the sections being in register, and a pair of bolts extending through the registering eyes at the respective clamp ends and through the support and having nuts thereon engaged with the support to clamp the bottle mouth against the support, the eyes being formed so that upon removal of either bolt, the clamp sections may be pivotally swung about the remaining bolt as a pivot to release the bottle and while the remaining bolt remains in position to support the clamp.

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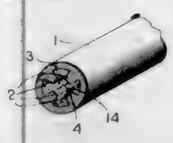
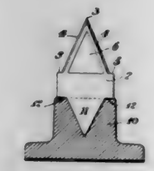
1,566,329. FILLED CANDY. WILLIAM B. LASKEY, Brooklyn, N. Y. Filed Apr. 7, 1924. Serial No. 704,598. 1 Claim. (Cl. 99—16.)



A piece of candy in tubular form having flat-faced strength-giving ribs of considerable thickness projecting radially inwardly from the wall thereof, the interior of the candy being filled with suitable filling material.



1,566,330. IMPLEMENT FOR UNITING STRIPS OF MATERIAL. ANNA LAUER, New York, N. Y. Filed Apr. 11, 1924. Serial No. 705,776. 1 Claim. (Cl. 28—16.)



An implement for joining the ends of two strips of flexible material comprising a flat pointed knife-blade, shoulders integrally formed on the opposite edges of the blade in horizontal alinment to limit its penetration, an eye in said blade extending upwardly from the plane of said shoulders, the sides of said eye converging toward the point of the blade to form an acute angle in the top of the eye, and a downwardly extending pointed portion on said blade formed to provide shoulders and adapted in combination with said shoulders to secure said blade to and position it on a supporting member.

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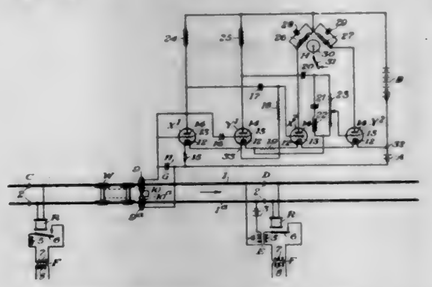
1,566,331. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LLOYD V. LEWIS, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 11, 1925. Serial No. 22,295. 5 Claims. (Cl. 246—63.)



1. Train carried apparatus comprising a pick-up circuit receiving alternating current from the trackway, an induction motor relay, a two-stage amplifier interposed between said circuit and one winding of said relay, a two-stage amplifier interposed between said circuit and the other winding of said relay, and means located between the two stages of one of said amplifiers for displacing the phase of the current supplied to the associated relay winding with respect to the phase of the current supplied to the other relay winding.

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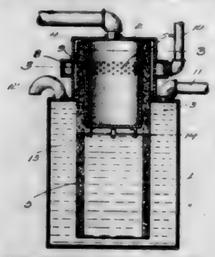
1,566,332. AIR MOISTENER FOR INTERNAL-COMBUSTION ENGINES. JOE M. LILLY, Norwood, N. C. Filed Nov. 1, 1921. Serial No. 511,973. 2 Claims. (Cl. 261—99.)

1. A device for the purpose set forth comprising a water tank having its top provided with an opening and an upstanding continuous flange forming a continuation of the wall of the opening, an open bottom casing formed with an outlet at its upper end, said casing mounted on said top, surrounding said flange and having a part of its body portion perforated, a closed bottom receptacle suspended from and having its upper end closed by the top of said casing and extending through said opening into the upper portion of said tank, said receptacle having a part of its body portion perforated, a channel-shaped member surrounding and enclosing the perforated part of the casing and providing a distributing chamber for exhaust gases conducted thereto, and a



tubular wick interposed between said receptacle and casing and depending through said opening below the bottom of the receptacle.

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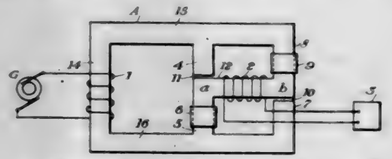
1,566,333. STATIC-PHASE-SHIFTING APPARATUS. SAMUEL M. LUCAS, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 26, 1923. Serial No. 671,048. 8 Claims. (Cl. 171—97.)



1. In combination, a winding on a core, a bridge on said core, means for supplying an alternating electromotive force to said winding to create a periodic flux in said core, a second winding on said bridge, and means for displacing the relative phases of the fluxes in said bridge and said core so that the electromotive force induced in said second winding is out of phase with respect to said first electromotive force.

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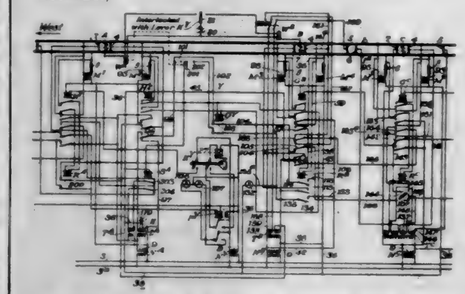
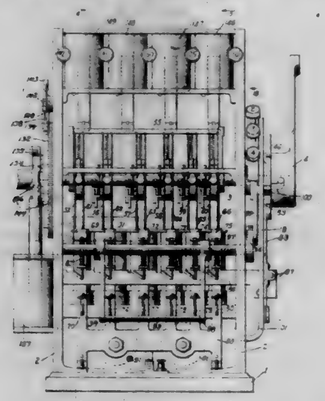
1,566,334. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Nov. 10, 1923. Serial No. 674,058. 20 Claims. (Cl. 246—26.)



20. In combination, a stretch of railway track divided into a plurality of successive sections, a series of directional relays one located adjacent the junction of each two sections, local circuits for each section controlled in part by the associated traffic directional relays, a polarized relay controlled by said directional relays, and locking means for said switch controlled by said polarized relay.

1,566,335. COIN-HANDLING MACHINE. RICHMOND M. McGEE, New York, N. Y., assignor, by mesne assignments, to American Autocashier Co., Inc., a Corporation of Delaware. Filed June 5, 1919. Serial No. 302,021. 19 Claims. (Cl. 133—2.)



3. In a machine of the character described, the combination of a plurality of coin containers, means for ejecting coins therefrom, means for selectively operating said ejecting means comprising a plurality of disks having notches therein, and means for selecting and rotating the disks in accordance with the coin tendered, and means on the ejectors cooperating with said notches to determine the amount of coin to be ejected from said receptacles.

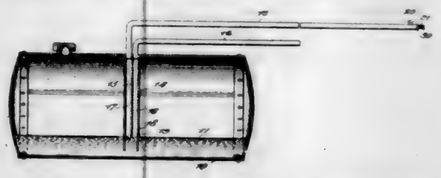
1,566,336. NECKTIE STRETCHER. FRANK P. MARSON, Paterson, N. J. Filed June 5, 1925. Serial No. 35,060. 2 Claims. (Cl. 223—19.)

1. In a device for stretching tubular flexible articles, the combination of a pair of substantially straight levers, arranged side by side and having between their ends a fulcrum-connection with each other adjustable transversely of the levers, said connection being arranged nearer one of the pairs of corresponding ends of the two levers than the other pair of such ends whereby the levers have a pair of corresponding short operating arms and a pair of corresponding long stretching arms, and means, engaged with the short operating lever arms, for securing the levers in different degrees of convergence to each other.

1,566,337. SOUND RADIATOR. WILLIAM H. MARTIN, Chappaqua, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 26, 1923. Serial No. 664,988. 7 Claims. (Cl. 179—115.)

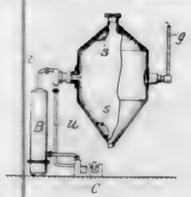
1. A sound radiating member having a crimped surface, said member being secured at one end and having means at the other end for subjecting said member to longitudinal vibrations of speech frequencies, thereby imparting corresponding lateral vibrations to the air, and the length of said member being such that for the higher voice frequencies only a part of the surface of said member will efficiently produce lateral vibrations.

1,566,338. LIQUID-TANK SIGNAL DEVICE. ALFRED F. MAYHEW, Whitneyville, Conn., assignor of one-tenth to Julia A. Monahan, West Haven, Conn., and four-tenths to Frederick L. Williams, New Haven, Conn., and one-tenth to Bernard J. McDonnell, New Haven, Conn. Filed May 7, 1921. Serial No. 467,669. 9 Claims. (Cl. 116—109.)



3. A device as characterized, including in combination, a liquid-tank having a vent, a plurality of passages leading to the interior of said tank, a liquid in the tank being removed therefrom by a pneumatic force compelled through one of said passages while the liquid in the tank remains above a predetermined level in the tank, a signal connected in the other of said passages, a tubular member arranged within the tank said member having a dividing wall defining a plurality of passages which communicate with the first mentioned passages, and an opening in horizontal alinement with the lower extremity of the said dividing wall of said member.

1,566,339. METHOD AND APPARATUS FOR DIGESTING PULP IN ROTATING DIGESTERS. EINAR MORTERUD, Torderod, near Moss, Norway. Filed May 28, 1925. Serial No. 33,580. 2 Claims. (Cl. 92—18.)

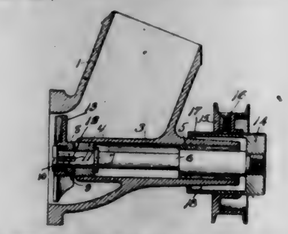


2. A rotating digester for wood pulp having an intake and outlet channel for digesting liquid located in one of its trunnions and tubes inside the digester connected with said intake and outlet channels and having their



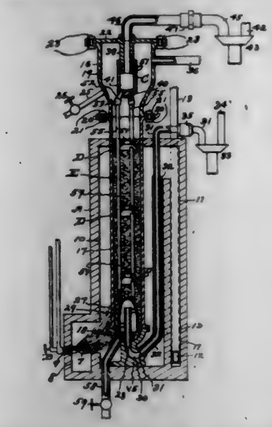
open ends located near the opposite ends of the rotating digester and means for alternately connecting the channels in said trunnion with the intake and outlet tube from the calorisator, mounted outside the digester.

1,566,340. PUMP. WILLIAM M. MYERS, St. Joseph, Mo. Filed Mar. 22, 1923. Serial No. 626,829. 4 Claims. (Cl. 103—89.)



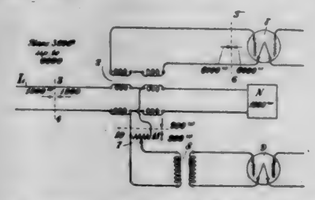
2. In a pump of the kind described, a casing having a passage for water, a shaft bearing in said casing, a shaft rotatable in said bearing and having an abutment which bears against ne end of said bearing and provided with a screw threaded hole in one end, a screw fitted in said hole and having a head which forms an abutment on the shaft, the shaft having a longitudinal slot, a propeller having a hub which bears against the other end of said bearing and which is slidable longitudinally on the shaft, said hub having a pin extending into and slidable in said slot, the propeller having blades disposed in said passage and arranged, when the propeller is rotated in one direction, to tend to force the hub from said bearing, and a coil spring encircling said shaft and bearing at one end against the head of said screw and bearing at its other end against said hub and having strength sufficient to force the latter against said bearing against the thrust of said blades, substantially as set forth.

1,566,341. APPARATUS FOR TREATING HYDROCARBONS. FRED G. NIECE, Cleveland, Ohio, assignor to The International Holding Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 1, 1922. Serial No. 572,119. 9 Claims. (Cl. 196—118.)



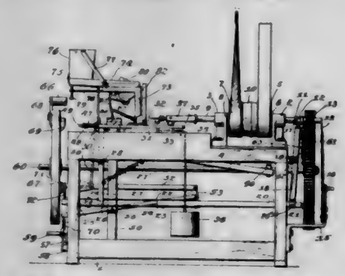
2. Hydrocarbon-treating apparatus comprising a hydrocarbon-cracking receptacle which has a vapor-outlet, a molten body contained in said receptacle and penetrable by hydrocarbons and not vaporizable at the desired hydrocarbon-cracking temperature, an endwise movable upright cylinder arranged at the upper portion of said hydrocarbon-cracking receptacle, means for supplying fluid under pressure into said cylinder from a point externally of the molten-body-containing receptacle, a feed-pipe connected to and movable with said cylinder, and means independent of said pipe and connected cylinder for supplying hydrocarbons into the molten body, said pipe extending into and communicating with the molten body.

1,566,342. MEANS FOR INCREASING POWER CAPACITY OF 22-TYPE REPEATERS. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 27, 1923. Serial No. 648,069. 2 Claims. (Cl. 179—170.)



1. A two element two way repeater circuit comprising a line, an amplifier having its output circuit transmitting to the line through a hybrid coil whose ratio is adjusted to make the impedance looking into the coil large as compared with the impedance looking into the amplifier, a second amplifier having its input circuit arranged for transmitting from the line to the amplifier, and means to make the impedance looking into the input circuit of said second amplifier large as compared with the impedance looking toward the line in order to compensate for the impedance irregularity in the output circuit of the first amplifier.

1,566,343. NUT-TAPPING MACHINE. JOHN V. OSTERHOUT, Bridgeport, Conn. Filed Nov. 25, 1921. Serial No. 517,615. 4 Claims. (Cl. 10—130.)

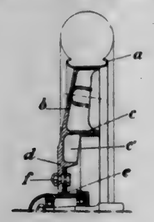


1. In a device of the class described, a shaft carrying a tap, means for rotating said shaft alternately in tapping and reversing directions, a slide, slide advancing means adapted to cause the shaft to rotate in the tapping direction, a cam maintaining the rotation of the tap after the slide is retracted, a spring for reversing the direction of rotation of the shaft, and means including a lever and cooperating latch operable by the advancing movement of the slide to rotate the shaft in the cutting direction.

1,566,344. METALLIC WHEEL FOR MOTOR VEHICLES. HENRI PERROT, Paris, and GERMAIN CALVIGNAC, Levallois-Perret, France. Filed July 24, 1922. Serial No. 577,191. 7 Claims. (Cl. 301—64.)

1. A wheel for motor vehicles comprising a frame in one piece of light metal having a good heat conduction and constituted by a solid central part and spoke por-

tions of arcuate cross-section, a wheel rim secured to the outer ends of said spoke portions, a brake drum integral with said frame, radial reinforcing ribs integral with said spoke portions and brake drum, and extend-



ing longitudinally toward the inner end of said brake drum, a reinforcing hoop upon the inner surface of said brake drum and means for mounting said frame upon the vehicle axle.

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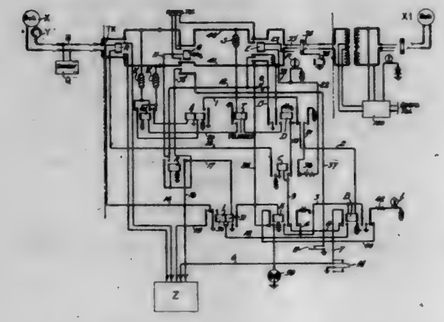
1,566,345. TRUNK CIRCUITS. GEORGE H. PETERSON, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 23, 1924. Serial No. 739,396. 23 Claims. (Cl. 179—27.)



1. In a telephone exchange system, the combination of a trunk circuit terminating in a plug, an operator's telephone set, and means automatically responsive to the insertion of said plug into an outgoing line jack for disconnecting the plug from the talking conductors of said trunk and for connecting the operator's telephone set to said plug.

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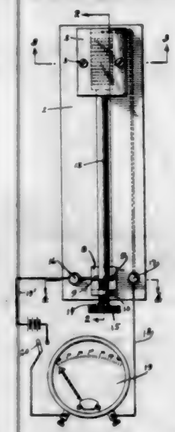
1,566,346. GAUGE ROD. NEIL E. SALSICH, Bethlehem, Pa. Filed Sept. 20, 1922. Serial No. 589,412. 3 Claims. (Cl. 238—50.)

1. The combination, with a gauge rod having an integral rail clip at one end and having its other end threaded, of a movable clip for the threaded end including a bottom U-shaped portion adapted to bear against the bottom of a rail, said U-shaped portion communicating with an aperture extending through the clip, a top flange portion extending upwardly and over the U-shaped portion and adapted to engage the top surface of an outer rail flange, nut means carried by the threaded end of the rod, and means disposed between the clip and the nut means, whereby, when the latter is screwed up, the clips are caused to approach to engage the outer flanges of the rails of a track.

1,566,347. TEMPERATURE-INDICATING DEVICE. ABNER B. SHAW, North Dartmouth, Mass. Filed Sept. 15, 1923. Serial No. 662,944. 3 Claims. (Cl. 201—48.)



1. In a temperature indicator, a supporting member, a rod mounted thereon and disposed parallel therewith, the supporting member and the rod being of materials of different coefficiency of expansion when exposed to heat of the same temperature, a stack of resistor elements resting upon the rod and guided by the supporting member and electric conductors connected with the stack of resistors and rod respectively.

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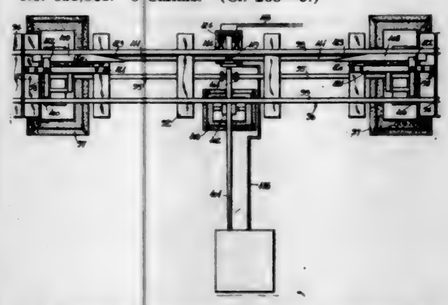
1,566,348. WEIGHING MECHANISM. STEPHEN W. SHUFORD, Cowpens, S. C. Filed Apr. 13, 1923. Serial No. 631,841. 6 Claims. (Cl. 265—9.)



1. A weighing mechanism embodying a yieldable platform, a recording device, means whereby said device is operatively connected to the platform to be set by the depression thereof, members mounted near the opposite ends of the platform and each arranged to be moved in one direction by cars moving on the platform and to be moved in another direction by cars moving off the platform, and means arranged to be operated by either of said members, when it is moved in the first-named direction, for operating said device to make a record.

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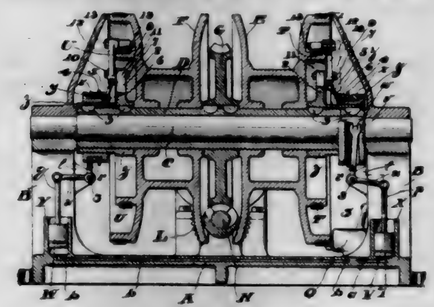
1,566,349. DOUBLE-DRUM HOIST. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 31, 1925. Serial No. 47,270. 4 Claims. (Cl. 254—185.)

1. In a double drum hoist, the combination of a drum shaft, two drums rotatable relatively to said shaft, a reversible motor operatively connected to drive said



shaft, separate clutches for the drums, a hand operated controlling device for the motor, and individual means controlled by said hand operated controlling device for



alternately actuating said clutches to automatically connect one drum or the other to the drum shaft in accordance with the direction of rotation of the motor.

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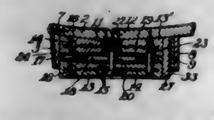
1,566,350. READJUSTABLE CUSHION SHOE HEEL. AURELIUS SMITH, Indianapolis, Ind. Filed Oct. 27, 1924. Serial No. 746,195. 7 Claims. (Cl. 36—39.)



1. A cushion shoe heel including a yielding pad with a convex edge, the pad having a central screw-receiving hole, a corner-forming heel member having a concave side abutting the edge of the pad, and a plate secured to the heel member opposite to the concave side thereof and having an ear thereon to secure it in place.

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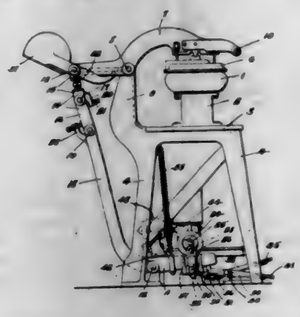
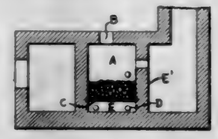
1,566,351. PRESSING MACHINE. ALEXANDER J. SOCIA, Syracuse, N. Y., assignor, by mesne assignments, to Liberty National Bank, trustee, Syracuse, N. Y. Filed Oct. 31, 1923. Serial No. 671,997. 5 Claims. (Cl. 68—9.)



1. A pressing machine comprising a frame, coacting pressing elements, one of which is movable toward and from the other, a lever pivoted to the frame and supporting the movable pressing element and actuating means comprising toggle links pivoted together respectively to said lever and to the frame, the link connected to said lever consisting of two parts pivoted together, forming a toggle, the parts of the last mentioned toggle being pivoted together by a stop joint.

1,566,352. PROCESS OF RECOVERING TIN FROM ORES. JAMES R. STACK, Perth Amboy, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed May 23, 1919. Serial No. 299,237. 5 Claims. (Cl. 75—17.)



1. In the art of separating tin from ores, concentrates and by-products containing compounds of tin, iron and other elements, the process which consists in crushing the ore into relatively small particles, heating the same in a closed receptacle to a temperature above the reducing point of tin and below the reducing point of iron, subjecting the particles to the action of a gas adapted to react chemically with tin oxides and reduce the same, removing the tin liberated by such reaction, and then treating the residue to recover the metals therein.

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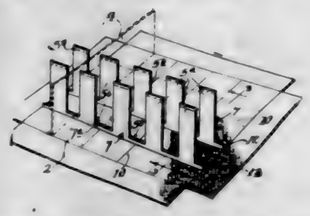
1,566,353. CUSHION-COVER CONSTRUCTION. SAMUEL SUBKOFF, Chicago, Ill. Filed July 24, 1925. Serial No. 45,735. 2 Claims. (Cl. 5—353.)



1. A cushion cover construction comprising top and bottom cover pieces, a plurality of parallelly disposed combs each consisting of a single piece of material initially sewn along one edge to one of said cover pieces and provided with spaced cuts extending from the free outer edge substantially down to said sewn edge, a plurality of partition strips arranged transversely of said combs and sewn to said cover piece along lines passing through aligned cut portions of said combs, said combs and partition strips being substantially of equal height and each sewn along its outer edge directly to the opposite cover to form a continuous strip connecting said covers together.

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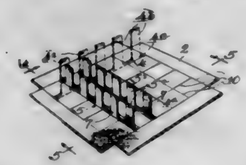
1,566,354. CUSHION-COVER CONSTRUCTION. SAMUEL SUBKOFF, Chicago, Ill. Filed July 29, 1925. Serial No. 46,754. 4 Claims. (Cl. 5—353.)



1. A cushion cover construction comprising top and bottom cover pieces, and connecting members therebetween forming rectangular cells, said connecting members comprising a plurality of combs, each consisting of a single piece of material initially sewn along one edge of one of said cover pieces and provided with spaced cuts extending from the free outer edge substantially

down to said sewn edge, said combs being arranged in sets disposed at right angles to each other along lines intersecting the aligned cut portions of both sets of combs.

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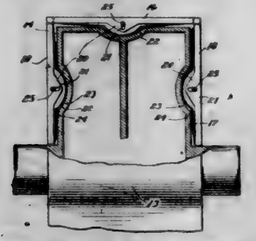
1,566,355. PACKING FOR PUMPS. HENRY M. SUNNES, Chicago, Ill. Filed Jan. 2, 1925. Serial No. 17. 4 Claims. (Cl. 74—109.)



1. In a piston packing in which the line of contact between the moving and stationary surfaces is a straight line, a groove in one of the surfaces, said groove having a recess at one portion, a strip located within the groove and having a bulge projecting into said recess, and a spring located in the groove under the strip, said spring being retained from longitudinal displacement by a portion thereof projecting into said recess.

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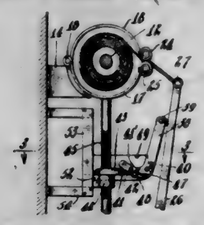
1,566,356. STORE AWNING. LUIGI VEGLIA and FRANK DI GIOVANNI, Chicago, Ill. Filed Jan. 19, 1925. Serial No. 3,277. 3 Claims. (Cl. 156—44.)



1. An awning comprising a roller, an awning proper mounted thereon, a U-shaped swingable frame to which said awning proper is attached at one end, a shaft operatively connected to said roller to rotate the latter by rotation of the shaft, said shaft being screw threaded for a portion of its length, a collar threaded upon the shaft and movable therealong as the shaft rotates, and a lever adapted to be engaged by said collar as the latter moves along the shaft and to engage said awning frame to impart initial downward movement thereto.

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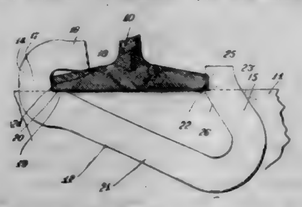
1,566,357. RAIL ANCHOR. HAROLD G. WARR, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 24, 1925. Serial No. 11,183. 10 Claims. (Cl. 238—330.)



1. A rail anchor comprising a bar formed at one end with a jaw portion adapted to be moved into gripping engagement with the top and bottom surfaces of a rail base at one side of the rail by a downward swinging movement of the other end of the bar, said last mentioned end being formed with a portion adapted to snap into engagement with the other edge of the rail base.

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1,566,358. DOCTOR FOR PAPER MACHINES. JOHN WHITE, Edinburgh, Scotland, assignor to Vickerys (1920) Limited, London, England. Filed Sept. 5, 1924. Serial No. 736,027. 2 Claims. (Cl. 92—74.)

1. In a paper machine, in combination, a roll, a bar, a blade constituted by an array of fingers adapted to enter into direct contact with the roll surface and individually responsive to irregularities of the said surface, and resilient means separate from the blade and so interposed between said bar and fingers as to urge said fingers towards said roll surface.

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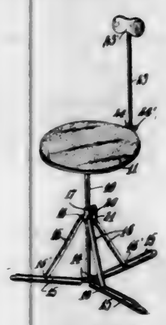
1,566,359. CAMP STOOL. WALTER WITKOWSKI, Brooklyn, N. Y. Filed Dec. 12, 1923. Serial No. 680,066. 3 Claims. (Cl. 155—137.)



1. A camp stool comprising a seat, a socket element formed on the under side thereof, a leg fitting loosely at its upper end in said socket, strut elements, a sleeve slidable along said leg and connected to said strut elements for adjusting the same in their operative positions, and means adapted to be operated by said sleeve for locking the leg to said socket element.

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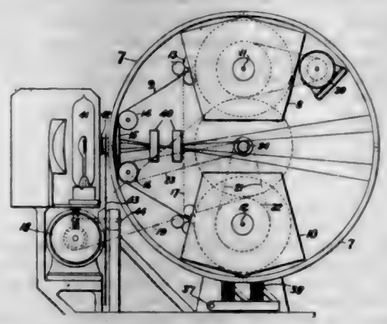
1,566,360. FRAMING DEVICE. SAMUEL BARDY, Philadelphia, Pa., assignor to Bardy Motion Picture Machine Company, Philadelphia, Pa., a Corporation of Delaware. Filed June 5, 1922. Serial No. 566,172. 10 Claims. (Cl. 88—16.8.)

1. A framing device for a motion picture machine having film feeding means, driving means, gearing connecting the film feeding means to the driving means arranged



to normally cause both of said means to be rotated in synchronism, means included as an element in said gearing adapted when retarded to cause the speed of the film



feeding means to be accelerated to increase its speed over the speed of the driving means, and means for retarding the movement of said element.

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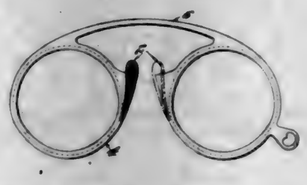
1,566,361. OPHTHALMIC MOUNTING. EARLE J. H. BRATTEY, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 22, 1922. Serial No. 602,622. 7 Claims. (Cl. 88—48.)



1. A guard for an ophthalmic mounting comprising a sheet of non-metallic material having a gripping face provided with a recess, and additional gripping material in the recess, the additional gripping material being of different character from the non-metallic material of the sheet to facilitate gripping action.

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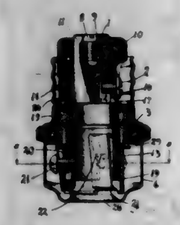
1,566,362. ELECTRIC PLUG. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 23, 1920. Serial No. 375,922. 10 Claims. (Cl. 173—322.)



1. A strain relief construction comprising an insulating base having a tubular portion affording a passageway for a wire, a metal sleeve surrounding said tubular portion, and jaws extending into said tubular portion for gripping the wire, and means mounting said jaws on said metal sleeve.

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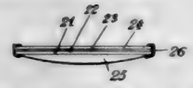
1,566,363. AUTOMOBILE SIGNAL. HARRY C. BERENTS, Bellemore, N. Y. Filed Oct. 5, 1923. Serial No. 666,724. 1 Claim. (Cl. 88—1.)



As a new article of manufacture an automobile signal consisting of a base member having a light reflecting surface, a coating of transparent red lacquer applied to said surface, a protecting plain glass placed against the lacquered surface, a rear view mirror placed against the said base member adjacent the non-lacquered surface thereof and a frame encasing all of the aforesaid members.

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1,566,364. SHOE CONSTRUCTION. ROBERT S. BLAIR, South Beach, Conn. Filed May 9, 1919. Serial No. 295,877. 10 Claims. (Cl. 36—30.)

1. In footgear construction, in combination, a heel member, a sole member, and a flat metal spring member having a portion substantially the contour of said heel, positioned thereover and spaced therefrom to cushion shocks, said spring member extending forwardly from said heel portion toward said sole and being transversely curved at a portion positioned between said heel and said sole to prevent deformation of said portion and to support the arch of the foot, the spring member being substantially flat at its point of flexure on a fulcrum adjacent said heel.

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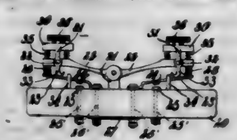
1,566,365. AUTOMOBILE SIGNAL. VICENTE BOUZA, Highland Park, Mich. Filed Feb. 27, 1922. Serial No. 539,239. 1 Claim. (Cl. 200—169.)



A control switch for a vehicle signal comprising a base, a contact arm pivoted at one end to said base and normally extending along the latter in spaced relation thereto, a contact spring fixed at one end to said base and extending along the latter under the said arm, a bar spaced above the outer end of said arm and extending longitudinally of the latter, a rigidly depending leg on said bar midway between the ends thereof pivotally connected to said arm, a pair of coiled expansion springs located between the bar and arm and spaced longitudinally of the bar one on each side of said leg to retain it in parallel position with respect to the said arm, a hooked element depending from said leg, and an eye on said base adapted to be engaged by said hook element, by moving the bar from the said parallel position, and a contact point carried by said contact spring at a point between the ends of the latter, the said arm being adapted to engage the said spring contact adjacent the free end of the latter to move it to operative position.

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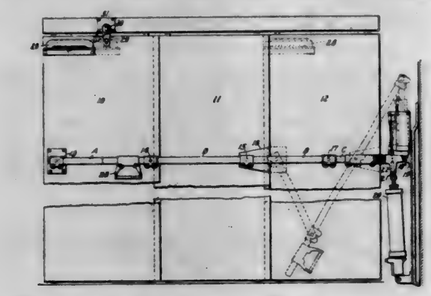
1,566,366. DOOR-CLOSURE MECHANISM. THOMAS BRADY, East Orange, N. J., assignor to Brady Elevator Equipment Company, Inc., Hoboken, N. J., a Corporation of Delaware. Filed May 2, 1923. Serial No. 636,047. 13 Claims. (Cl. 292—194.)

1. Pawl and rack mechanism comprising relatively slidable members, a rack mounted on one of said mem-

bers, a pawl pivoted on the other member, said rack and pawl being constructed and arranged to prevent relative movement of said members in one direction when the pawl engages the rack teeth, and means carried by the pawl for elevating the pawl above and out of engage-



ment with the rack teeth when one of said members is moving relative to the other member, said means permitting the pawl to engage the teeth when the members are so relatively moved as to move the pawl into such engagement.

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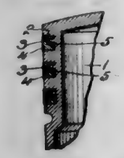
1,566,367. PISTON PACKING. THOMAS E. BRALEY, Wichita, Kans., assignor of one-half to Joel E. Davis, Wichita, Kans. Filed Aug. 6, 1925. Serial No. 48,540. 2 Claims. (Cl. 74—109.)



1. In piston packing, a transversely divided piston ring having an annular channel on its inner side and adapted to be fitted in a peripheral groove in a piston, the inner side of one of the flanges of the channel ring having a beveled bearing surface of annular form which inclines outwardly toward the other flange of the ring, and an inner transversely divided piston ring adapted to be fitted in the channel of the other ring and having one plane side adapted to bear against the piston and having its other side provided with an annular beveled surface adapted to fit said beveled surface of the other ring.

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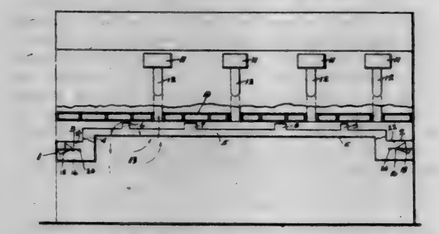
1,566,368. VENTILATION SYSTEM. ROBERT B. BRANDL, St. Paul, Minn. Filed Mar. 2, 1923. Serial No. 622,331. 2 Claims. (Cl. 98—27.)



1. In a ventilating system the combination with the walls, roof, and a ceiling of a barn of a longitudinally extending distributing pipe positioned near the center of the barn, intakes at each end of said barn and below said pipe, said pipe being positioned below said ceiling, risers connecting said intakes to said pipe, a plurality of roof ventilators spaced along the length of said barn but at one side thereof, a plurality of vents in said distributing pipe spaced in intermediate relation with said roof ventilators.

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1,566,369. METHOD OF MAKING CONVEYER BANDS. JOHN BRANDWOOD, Southport, and THOMAS BRANDWOOD, Bury, England, and JOSEPH BRANDWOOD, Waban, Mass. Filed June 21, 1924. Serial No. 721,579. 1 Claim. (Cl. 140—107.)

The method of manufacturing a conveyer band intended for the purpose of conveying textile materials through dyeing and analogous liquors, which method consists in weaving together a series of spiral coils of nickel alloy, passing the band thus formed onto a beam on which it is rolled, annealing the band on the beam, passing the said band directly from the beam to pressure rollers, and trimming off the longitudinal ends of the now flattened band.

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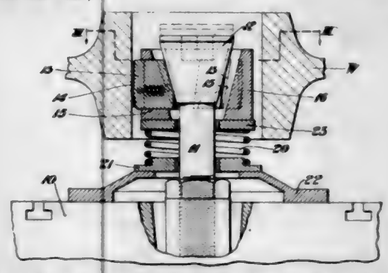
1,566,370. CHUCK. JOHN W. BRISCOE, Ingram, Pa. Filed Feb. 20, 1925. Serial No. 10,631. 7 Claims. (Cl. 82—40.)



1. A chuck for holding a work blank on a work support, comprising in combination, a cage member, radially movable jaws therein, resilient means supporting said cage member, and an element movable relative to said cage member to first force said jaws outwardly into engagement with the work blank and then in a direction to force the work blank toward its support.

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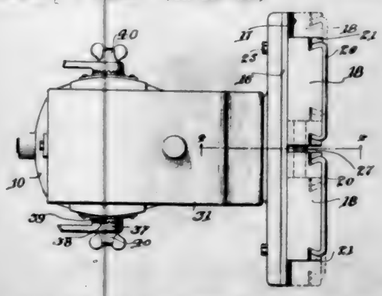
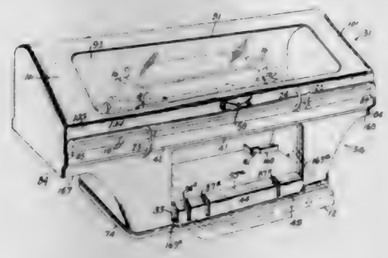
1,566,371. SCRUBBING DEVICE. THOMAS A. BROWNRIG, Portland, Me. Filed Sept. 26, 1924. Serial No. 740,003. 6 Claims. (Cl. 15—50.)



1. In a device of the character described, a pair of scrubbing sections, means for intermittently moving said sections away from each other, spring means to return said sections and means for intermittently feeding a cleaning fluid to the scrubbers at the end of their stroke.



1,566,372. TYPEWRITING MACHINE. GEORGE W. CAMPBELL, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 27, 1921. Serial No. 510,726. 19 Claims. (Cl. 197—186.)



1. In combination, a typewriting machine and a sound-deadening casing therefor; the casing comprising front, rear and side walls in a single casting; a movable cover; the front wall having an opening therein with a continuous periphery of such size and contour that, upon insertion of the machine, in forward and downward tilted position, through the top of the casing when the cover is open, the keyboard extension thereof may be swung outward through said opening; and sound-deadening linings for the walls and cover; and the machine having over the keyboard thereof a sound-deadening front plate, said front plate having an opening in its top portion to expose the types, and a plate insertible in position to close said top opening to complete the closing of the casing, said insertible plate having means to catch upon the typewriting machine to retain itself in position thereon, and the type-writing machine being so positioned in the casing that the front plate of the typewriting machine lies against the inner face of the front wall of the casing.

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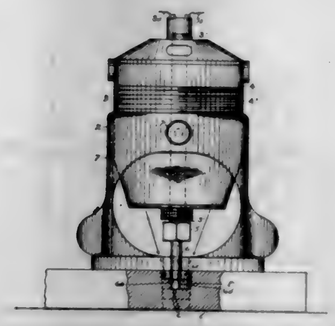
1,566,373. ROUTER BIT. RAY L. CARTER, Syracuse, N. Y. Filed Mar. 18, 1925. Serial No. 16,555. 4 Claims. (Cl. 144—219.)



1. In a router bit, a solid cylindrical body having a normal diameter for the greater part of its length, below said normal diameter said body being formed with a tapered guide portion and below said tapered portion said body being cut away in the line of its axis and at the opposite sides of the opening so formed said body being formed with V-shaped semi-cylindrical spurs, each of said spurs having a sharp cutting edge extending longitudinally and being disposed in the plane of said tapered portion, and the free end of said spurs being round and sharp.

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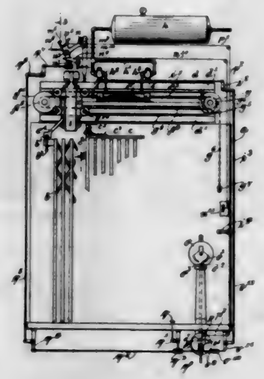
1,566,374. ELEVATOR. LOUIS CHABAN, New York, N. Y., assignor to Shur Loc Elevator Safety Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 21, 1923. Serial No. 658,480. 27 Claims. (Cl. 187—52.)



5. In an elevator, the combination of a car, a frame mounted on the car, a reciprocating carriage mounted on the frame, an air cylinder, piston and piston rod mounted on the car, a driving pulley and idler mounted on the frame, a cable having its ends connected to the piston rod and passed about the driving pulley and the idler, a second driving pulley also mounted on the frame in operative relation with the first mentioned pulley, a corresponding idler, a cable passed around the second driving pulley and idler and having its ends connected to the reciprocating carriage, and a manually controlled clutch between the driving pulleys.

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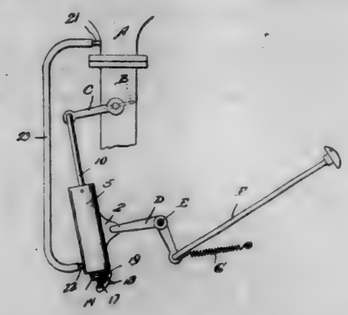
1,566,375. ROCKER MECHANISM. LOUIS COATALEN, Wolverhampton, England, assignor to Sunbeam Motor Car Company Limited, Wolverhampton, England, a British Company. Filed Mar. 11, 1925. Serial No. 14,673. 1 Claim. (Cl. 308—62.)

A rocker mechanism assembly comprising a fixed shaft, an eccentric bushing carried thereby, said bushing having a longitudinal extension carrying radial ears extending upward on opposite sides of said fixed shaft, means to draw said ears toward each other, a peripheral flange on said bushing, a rocker arm mounted on said bushing and having a portion abutting said flanges.

1,566,376. THROTTLE GOVERNOR. ARNOLD L. COUTY, Marshfield, Oreg. Filed Feb. 25, 1925. Serial No. 11,466. 6 Claims. (Cl. 137—153.)



1. A device of the class described for attachment between an accelerator and the operating means of a butterfly valve embodying means for shortening the device operable by suction created in the intake manifold.

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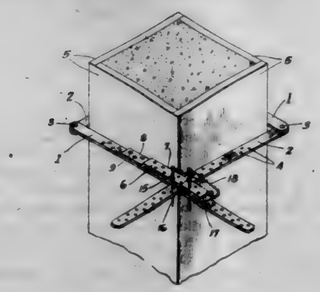
1,566,377. CLAMPING DEVICE. ANTONIO CURRENTE, West New York, N. J. Filed July 23, 1924. Serial No. 727,692. 5 Claims. (Cl. 144—291.)



1. A clamp for forms and the like comprising two pivotally connected strips, each having a number of spaced transverse holes therethrough, and a lug carried by one of the strips and having offset ends, each supplied with holes to register with those in the strip so that one of said ends may be attached to one of said strips by means passing through registering holes and thereby positioning the other end along the adjacent strip with the corresponding holes in register and spaced from the strip sufficiently for another strip to be placed therebetween.

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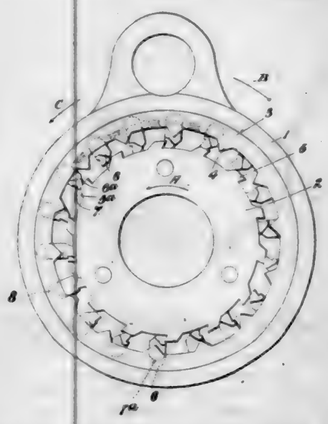
1,566,378. FREE-WHEEL CLUTCH. JULES FREDERIC DEFORDT, Ixelles, Brussels, Belgium. Original application filed Mar. 21, 1921, Serial No. 454,191. Divided and this application filed June 20, 1922. Serial No. 569,767. 1 Claim. (Cl. 192—46.)

A positive free wheel clutch comprising a pair of concentric wheel members, a plurality of radial pockets in one of said wheel members, a movable tooth slidably mounted in each of said pockets, a plurality of fixed teeth of substantially buttress form on the other wheel member with which the movable teeth are adapted to engage when the wheel members are moved in the fixed wheel direction and by which the movable teeth are moved radially within their pockets in one direction when the wheel members are moved in the free wheel direction, lateral projections on opposite sides of the movable teeth having inclined surfaces, annular members concentric with the wheel members and movable with the wheel member having the fixed teeth, said annular members having spaced triangular projections adapted to engage



the inclined surfaces on the lateral projections of the movable teeth and positively move such teeth radially into the engaging position when the wheel members are moved in the free wheel direction.

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1,566,379. PROCESS OF TREATING SULPHIDE ORES AND CONCENTRATES. MICHEL DE KEYSER, Oakland, Calif. Filed July 21, 1922. Serial No. 576,499. 7 Claims. (Cl. 23—175.)

1. The process for treating sulphide ores and concentrates which includes the roasting of the said material to produce sulphur dioxide, the introduction of ozone into the latter and the passing of the mixture through a catalyzing agent.

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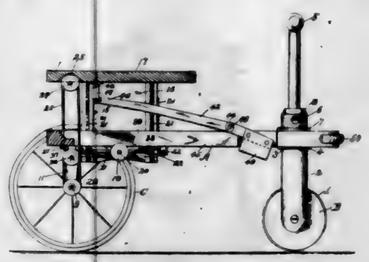
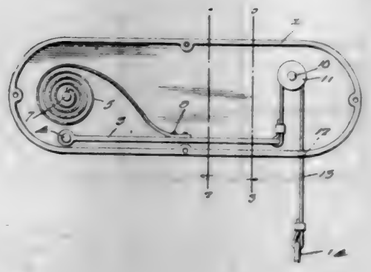
1,566,380. GRAVITY MOBILE VEHICLE. ROY K. DENNISON, East Machias, Me. Filed May 6, 1925. Serial No. 28,406. 12 Claims. (Cl. 208—38.)



1. In a gravity mobile vehicle, a body or frame mounted at one of its ends upon a rotatable wheel bearing shaft, a wheel immovably journaled upon one end of said shaft to be turned thereby, a vertically movable seat upon said body or frame, and a flexible connection comprising a cord or rope extending between said body or frame and said rotatable wheel bearing shaft and adapted to be acted upon and moved downwardly by the downward movement of said movable seat to rotate said wheel bearing shaft and thereby move said vehicle in forward direction, substantially as described.



1,566,381. SHOCK ABSORBER. RAYMUNDO DE SOUSA SANTOS, Philadelphia, Pa. Filed Mar. 24, 1925. Serial No. 17,975. 2 Claims. (Cl. 267—19.)



1. In a shock absorber, a casing, a lever fulcrumed in the casing, spring means associated with the lever for holding it in a predetermined position, a pulley mounted in the casing, a strap trained over the pulley and attached at one end to the lever, said casing, adapted to be mounted on the chassis of a vehicle and the free end of said strap adapted to be fixed to the axle of a vehicle.

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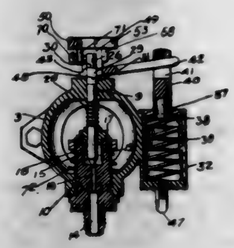
1,566,382. CARBURETOR. ARTHUR DION, Leaside, Ontario, Canada. Filed Apr. 25, 1924. Serial No. 709,014. 3 Claims. (Cl. 261—69.)



1. In a carburetor, the combination with the carburetor body having a cylindrical fuel chamber located therein having a fuel inlet leading to the bottom thereof and a fuel outlet leading radially therefrom, and a throttle lever, of a sleeve valve slidably fitting the exterior of the fuel chamber and having a perforation adapted to be carried into and out of alignment with the radial orifice, a pin extending upward from the sleeve freely through the top of the carburetor body, a spring tending to force the sleeve upward, and a cam carried by the throttle lever adapted to engage the upper end of the pin to force it downward as the throttle lever is carried to the closed position.

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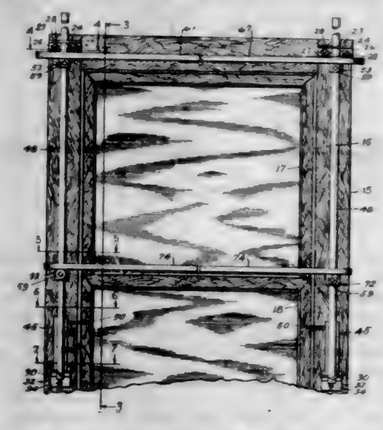
1,566,383. SUPPORT FOR WINDOW HANGINGS. GEORGE W. DOVER, Providence, R. I. Filed Apr. 23, 1925. Serial No. 25,287. 9 Claims. (Cl. 156—19.)

3. The combination of brackets adapted to be fastened to a window frame, a shaft slidably and rotatably mounted in the brackets, a holder comprising a sleeve loose on the shaft, a lateral horizontal lug on the sleeve, and ears



upon the extension, a set screw in the sleeve engaging the shaft, and flat suspension rods embraced by the ears and resting on the lug.

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1,566,384. MANUFACTURE OF ARTIFICIAL SILK AND THE LIKE FROM CELLULOSE DERIVATIVES. HENRY DREYFUS, London, England. Filed Mar. 10, 1922. Serial No. 542,752. 8 Claims. (Cl. 18—54.)

1. In the dry spinning of artificial threads and filaments from solutions of cellulose derivatives the employment of spinning solutions comprising a volatile solvent and a liquid of a higher boiling point, said liquid of higher boiling point being a solvent of the cellulose derivative and not being a toxic chlorine derivative, whereby the solidification of the filaments is regulated and the spinning of fine deniers facilitated.

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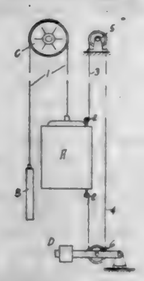
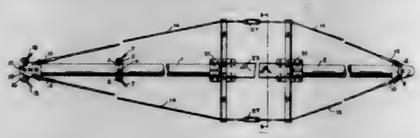
1,566,385. CONTROL SYSTEM FOR ELEVATORS. EDWARD L. DUNN, East Orange, N. J., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 15, 1922. Serial No. 607,244. 9 Claims. (Cl. 187—29.)



5. In an elevator system, the combination with an elevator car and a controlling mechanism comprising a reversible reel; of means for driving said reel in unison with the movement of the car, said means comprising a pair of tapes secured to said reel and adapted to spirally wind and unwind side by side in opposite directions thereon, and means for enabling the movement of the car to rotate said reel and respectively wind and unwind the two tapes thereon.

1,566,386. SUPPORTING MAST FOR CONCRETE CHUTES. JOHN P. FABER, Dunellen, N. J., assignor to Ransome Concrete Machinery Company, Plainfield, N. J., a Corporation of New Jersey. Filed Dec. 12, 1922. Serial No. 606,481. 8 Claims. (Cl. 193—1.)



1. In a device of the character described, the combination of a mast proper in two tubular metal sections, end members having sockets for receiving the ends of the sections and a medial connecting device having sockets for the inner ends of the sections composed of pairs of interchangeable members secured together one pair of members being spaced laterally from the inner ends of the mast sections and another connecting them together and carrying the sockets for said ends, said end members being provided with means for connecting the mast with a support, and being interchangeable.

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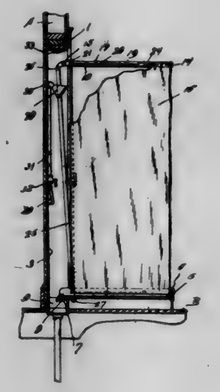
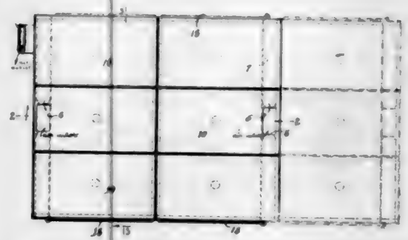
1,566,387. DISAPPEARING SHOWER BATH. RALPH D. FIFIELD, Fort Pierce, Fla. Filed Aug. 7, 1925. Serial No. 48,894. 4 Claims. (Cl. 4—146.)



1. In a disappearing shower bath, a cabinet adapted to be set into a wall, a door for said cabinet, a pan pivotally supported at its rear end in the bottom of the cabinet, a rim hingedly supported adjacent its rear end in the upper portion of the cabinet, a curtain supported at its upper edge on said rim, said pan and the rim and the curtain carried thereby adapted to be disposed entirely within the cabinet when in a collapsed position, and means for operatively connecting the pan with the rim whereby said rim will be automatically swung outwardly and upwardly simultaneous with the downward and outward swinging movement of the pan, said means comprising a pair of links pivotally connected at their lower ends to the opposite sides of the pan adjacent the pivoted rear end thereof, the upper ends of the links being connected to the rear end portion of the side of the rim at a point rearwardly of the pivotal support for said rim.

1,566,388. BAKERY PROOF BOX. WALTER L. FLEISHER, New York, N. Y. Filed Aug. 4, 1925. Serial No. 48,176. 5 Claims. (Cl. 107—7.)



1. In a proof box formed of units or sections, each having a plenary chamber at the top thereof, channelled shapes disposed along a vertical wall for framing an air duct and means interposed between the section and the plenary chamber for controlling the communication therebetween.

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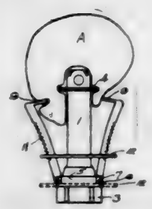
1,566,389. HOSE MOP. THOMAS FRANK, St. Louis, Mo. Filed Oct. 24, 1924. Serial No. 745,650. 4 Claims. (Cl. 15—130.)



1. In combination, a nozzle, arms pivoted at the side of said nozzle, transverse jaws on said arms movable toward each other and said nozzle, said jaws being recessed to partially receive said nozzle and more closely approach each other.

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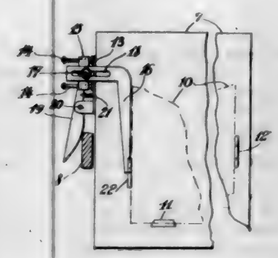
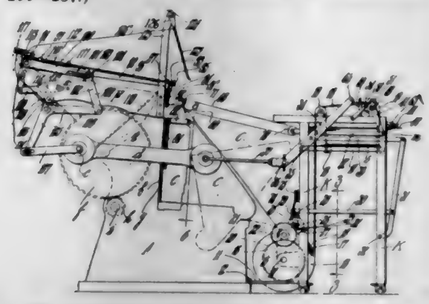
1,566,390. SIDE REGISTERING DEVICE. CARL F. FRAUENBERGER, Long Island City, N. Y., assignor to S. H. Rosenberg, Brooklyn, N. Y. Filed Apr. 23, 1925. Serial No. 25,190. 3 Claims. (Cl. 101—414.)



1. The combination with a platen press, the platen and its operating means, of a side registering device comprising a bracket secured to the side of the platen, a side registering member slidably mounted on said bracket, a cam lever for operating said side registering member, said cam lever being operable by the said platen operating means.



1,566,391. SHEET-HANDLING MECHANISM FOR PRESSES, CREASERS, AND THE LIKE. ELLSWORTH FREY, Springfield, Mass., assignor, by mesne assignments, to S. H. Rosenberg, Brooklyn, N. Y. Filed May 26, 1922. Serial No. 563,830. 4 Claims. (Cl. 101—287.)



1. The combination with a cutting and creasing press having a substantially vertically disposed bed and a platen movable toward and away from the same, of a magazine for sheets to be fed to said platen and means for successively feeding sheets from said magazine to the platen, said magazine and feeding means being constructed as one distinct unit separate from the press and adapted to be bodily shifted at will to completely separate it therefrom, means for detachably connecting said unit to the press in a predetermined position, said feeding means including a swinging actuating lever, and a link connected to said lever, and adapted for detachable connection with said platen, whereby said lever is swung to and fro to actuate said feeding mechanism by the swinging movement of said platen.

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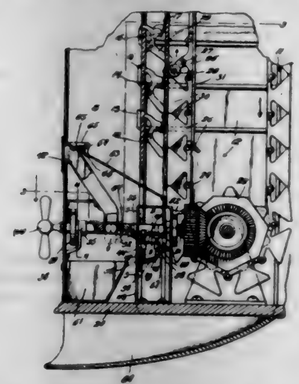
1,566,392. SANDWICH-VENDING MACHINE. ALFRED J. FULWOOD, Washington, D. C. Filed Apr. 5, 1924. Serial No. 704,484. 3 Claims. (Cl. 211—8.)



1. A vending machine of the class described comprising a casing, a vertical wall in said casing, said wall being provided with a plurality of vertically spaced openings, said openings being arranged in alignment with each other, a plurality of vertically spaced superposed article supporting shelves pivotally connected with said wall, each shelf being provided with a retaining arm, extending in parallelism with said wall, a plurality of superposed latches pivotally mounted upon said wall and having one end projectible through said openings for engaging said arm to maintain the shelves in horizontal position, a partition disposed in spaced parallelism with said wall, said partition being provided with openings through which the opposite ends of the latches normally extend, an endless chain mounted for rotation in said casing, a trip device carried by said chain and cooperable with the last named ends of said latches for disengaging them, and a plurality of shoes carried by said chain and cooperable with the openings in said partition to maintain said latches ineffective.

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1,566,393. RECOIL CHECK. SAMUEL FURMIDGE, Chicago, Ill. Filed Aug. 13, 1919, Serial No. 317,298. Renewed June 26, 1922. Serial No. 570,936. 5 Claims. (Cl. 267—10.)

1. In combination, a circular member, a split element surrounding the periphery of the circular member, resilient means connected to one end of the split element, and a flexible element attached to the said end of the split element completely wrapped around the periphery of the split element and then crossing the gap between the ends of the said element.

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1,566,394. CLOTHES TONGS. EUGENIE K. GILDER, Harvard, Idaho, assignor of one-half to A. J. Walsh, Potlatch, Idaho. Filed Jan. 2, 1924. Serial No. 683,873. 1 Claim. (Cl. 68—6.)

In a clothes tongs the combination of a double bar having a closed bent end and a single bar pivoted in the double bar, a bend in the single bar adapted to receive and retain the closed bent end of the double bar and a suspending eye fashioned as a hook at the end of the single bar.

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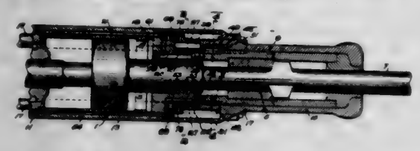
1,566,395. DRILLING MACHINE. GEORGE H. GILMAN, Belmont, Mass. Filed Mar. 13, 1923. Serial No. 624,844. 15 Claims. (Cl. 121—7.)



1. In a drilling machine, a rotary chuck, an internal member mounted for reciprocation relatively to said chuck, an external member mounted on said internal

member for reciprocation relatively thereto and transversely to the reciprocation of said internal member, means supporting said external member for gyration, a direct gearing connection between said external member and chuck, and means for causing motion of said members by fluid pressure.

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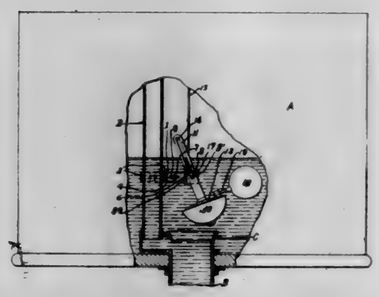
1,566,396. WATER-CLOSET-FLUSHING MECHANISM. ALLEN R. GILMORE, Elkhart, Ind. Filed Feb. 14, 1925. Serial No. 9,092. 4 Claims. (Cl. 4—53.)



1. The combination with a flush tank having an outlet provided with a valve seat and an overflow pipe, of a support secured to said overflow pipe, a tiltable valve movable to and from said valve seat, a stem carried by said valve adapted to engage said support to hold the valve away from said valve seat, when the valve is tilted, and a float by which said valve is tilted to place said stem in engagement with said support.

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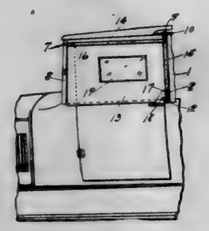
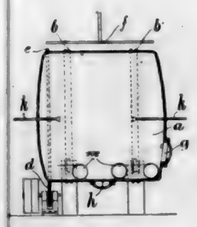
1,566,397. DOOR FOR AUTOMOBILE CURTAINS. WILLIAM F. GODFREY, Kearney, Nebr. Filed July 6, 1925. Serial No. 41,578. 2 Claims. (Cl. 296—139.)



1. The described method of forming a flap door in an automobile curtain; consisting in cutting out a doorway from the curtain; sewing stiffening strips at the top and side edge of the opening; extending a metal reinforcing strip through the top stiffening strip and bending the forward end thereof around the windshield post; sewing a metal hook to the said side edge stiffening strip, the said hook being adapted to engage the upper bow of the top frame of the automobile; riveting together the shank of the said hook and the inner end of the said top edge reinforcing strip; hinging a flap door over the said door opening by sewing it by an upper corner of the hinge side to the said top stiffening strip of the doorway; the said flap door having supporting means engaging the door of the automobile.

1,566,398. PROCESS OF MANUFACTURE OF CELLULOSE ESTERS OR ETHERS IN A SOLVENT. NICOLAS BENOIT GRILLET, Neuilly, France, assignor to Societe Chimique des Usines du Rhone, Paris, France. Filed Nov. 22, 1924. Serial No. 751,458. 6 Claims. (Cl. 260—101.)



1. A process of esterifying cellusose, which consists in executing the reaction in the presence of a liquid solvent of the desired product in a comparatively large closed vessel, and rotating said vessel thereby to agitate the mixture.

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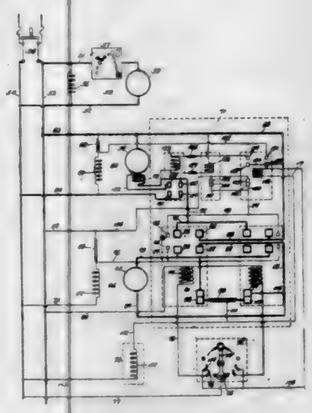
1,566,399. ELECTRIC ELEVATOR SYSTEM. GRAHAM B. GROSVENOR, Chicago, Ill., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 7, 1922. Serial No. 541,816. 5 Claims. (Cl. 172—152.)



1. In an electric elevator system, in combination, a direct current generator having a separately excited field, a constant potential source of direct current, means for varying the excitation of said generator field to produce a minimum voltage and a maximum voltage substantially equal to the voltage of said source, a motor for raising and lowering the elevator, connections between said generator and said elevator motor, and automatic means for connecting the armature terminals of both said elevator motor and said generator in parallel across the said source of direct current at a predetermined voltage.

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1,566,400. NURSING BOTTLE. MARION H. GUSTINE, Chicago, Ill. Filed Dec. 15, 1924. Serial No. 756,087. 1 Claim. (Cl. 215—11.)

A nursing bottle comprising an outer rigid container, open at one end, said open end being provided with an outwardly extending rounded annular bead, an inner readily removable paper cup provided with a downwardly depending skirt adapted to slip over and extend below said bead, and a rubber cap provided with a nipple, and having a contracted base adapted to be sprung over and to grip said skirt and to crumple the paper thereof, forcing it to engage beneath and snugly within the angle between

the bead and container wall and to form a liquid proof joint at said bead, and firmly securing the rigid container, the rubber cap, and the paper lining tgether, said paper lining also completely protecting said outer container from contact with the contents of the bottle, substantially as and for the purpose described.

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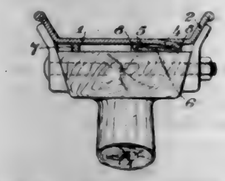
1,566,401. DETACHABLE RIM. KNUT HALLSTRÖM, Malmo, Sweden. Filed Nov. 9, 1923. Serial No. 673,839. 1 Claim. (Cl. 301—35.)



A detachable rim, comprising, cooperating endless rim sections, each section having cut out portions in its inner edge defining flaps, the flaps being bent inwardly and having tongues at their ends, the edge of each cut out portion in each section being bevelled to correspond with the inward bending of the flaps on the other section, the entire body of each flap of each section, when the sections are placed together to form a rim, being received beneath the bevelled portions of the other section, whereby to leave, on the outer face of the rim, only a longitudinal line of separation between the sections, and a resilient attaching ring received by the tongues.

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1,566,402. CURTAIN POLE. HARRIS L. HESS, Toronto, Ontario, Canada. Filed June 15, 1923. Serial No. 645,559. 1 Claim. (Cl. 156—20.)

The combination with a curtain, of a curtain pole of C-shaped cross section with a longitudinal slot in its concealed vertical face, a roller movable longitudinally in said pole, and its periphery engaging the internal lower surface of the pole, said roller having a central horizontal orifice therethrough communicating with an enlarged concentric recess in the face of the roller adjacent to the outer vertical face of the pole, a curtain supporting member of substantially inverted L-shape having its horizontal leg extending freely through the slot in the pole, being positioned to be out of contact with the lips of such slot and extending through the central orifice in the roller into the enlarged recess therein where it terminates in an enlarged head, and means on the vertical leg of the curtain supporting member for attaching it to the curtain.

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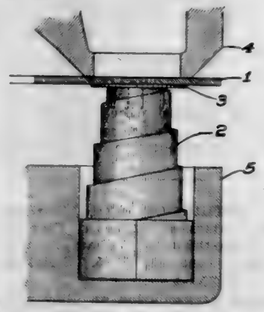
1,566,403. VALVE PROTECTOR. LEON F. HOFFMAN, Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed June 6, 1921. Serial No. 475,517. 1 Claim. (Cl. 251—144.)



In a valve organization, in combination, a valve seat, a valve keeper, a valve of the plate type intermediate said seat and said keeper, springs formed of flat material, flat wound in volute conical form, the larger ends of which seat in sockets in said keeper, the smaller or tang ends being adjacent said valve, and protectors for said valve interposed between said valve and said springs, said protectors being of flat sheet material with struck up parts engaging the interior of said springs and providing spaces for the tang ends thereof.

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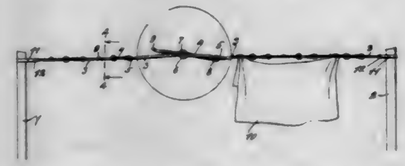
1,566,404. PINLESS CLOTHESLINE. WILLIAM C. HOLLAND, Edgewater, Colo. Filed Mar. 10, 1925. Serial No. 14,412. 1 Claim. (Cl. 68—3.)



A pinless clothesline comprising a plurality of hingedly connected link sections, each section comprising two links one of which is made in the shape of an oblong ring having a transverse connection intermediate its ends and the other of which is a straight bar having one end connected to the transverse connection of the oblong ring member and the other connected to one end of the corresponding member of the other group.

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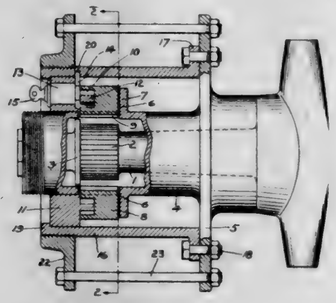
1,566,405. WHEEL-LOCKING DEVICE. HAROLD THOMAS JONES, Vancouver, British Columbia, Canada. Filed July 8, 1924. Serial No. 724,913. 3 Claims. (Cl. 188—31.)

1. In a wheel locking device, the combination with a spindle and a hub therefor, of a toothed wheel secured

upon the spindle, dogs carried by the hub, an annular ring rotatable about the hub and having spiral segments engaging the dogs to move them into and out of engage-



ment with the toothed wheel to lock the hub against rotation about the spindle, and means for locking the annular ring against rotation about the hub.

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1,566,406. METHOD OF PRODUCING AN ALLOY OF COPPER. CHARLES KAZEMER, Cleveland, Ohio, assignor of one-third to William A. Jones, Cleveland, Ohio. Filed June 11, 1925. Serial No. 36,553. 2 Claims. (Cl. 75—1.)

1. A method of producing an alloy which consists in the step of melting copper with glass, reducing the melt to sheets, reducing the sheets in thickness by pressure, re-melting the reduced sheets with an admixture of silver and glass, reducing the melt to a sheet, reducing the thickness of the sheet by pressure, and then reducing said sheets to a workable form.

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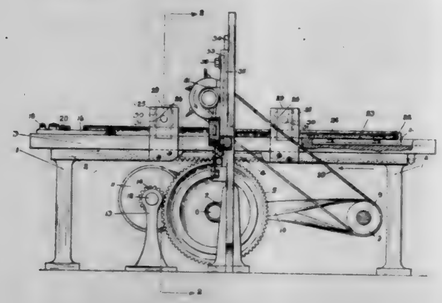
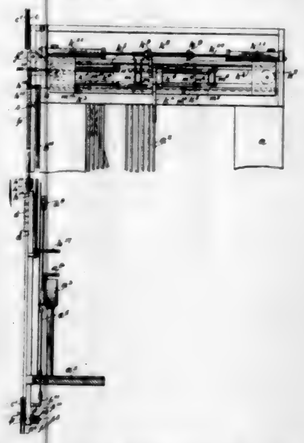
1,566,407. PADDLE-MAKING MACHINE. JOHN ROBERT KELBRICK, Peterborough, Ontario, Canada. Filed Oct. 18, 1922. Serial No. 595,353. 2 Claims. (Cl. 144—142.)



1. In a paddle making machine, the combination with the main frame, of a subsidiary cutter shaft carrying frame vertically slidable on the main frame, a pair of shafts independently journalled end to end on the subsidiary frame, a pair of oppositely positioned levers fulcrumed on the main frame, inwardly extending slides connected to their lower ends, their upper ends being pivotally connected to the shafts, means coacting with the inner ends of the slides for intermittently forcing them outwardly in unison, and means on the slides coacting with the subsidiary frame for lowering and raising the latter upon the slides being moved inwardly and outwardly.

1,566,408. ELEVATOR. CHRISTIAN G. LASSEN, New York, N. Y., assignor to Shur Loc Elevator Safety Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 28, 1922. Serial No. 538,525. 40 Claims. (Cl. 187—52.)



5. In an elevator, the combination of a car, a door, a power storage device mounted on the car and operatively connected with the door, a power storage cable fixed at its upper and lower ends at the top and bottom of the elevator shaft, a clutch adapted to effect operative connection between the cable and the power storage device to store power in said device, a cam in operative relation with said clutch to determine the opening or the closing thereof, and a controller handle and operative connections to shift the cam.

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1,566,409. IMPREGNATED ELECTRODE FOR FURNACE WORK. HARRY ALFRED LAVENE, Niagara Falls, N. Y., assignor to Acheson Graphite Company, Niagara Falls, N. Y., a Corporation of New Jersey. Filed Feb. 5, 1923. Serial No. 617,176. 11 Claims. (Cl. 204—64.)

1. A porous electrode for furnace work, having a refractory compound in the pores thereof formed by the interaction of two soluble compounds.

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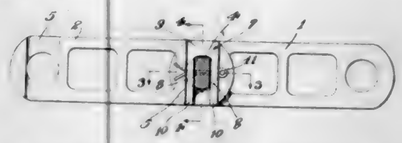
1,566,410. CHAIN. LEWIS LOMANDO, Hazleton, Pa. Filed Jan. 19, 1924. Serial No. 687,205. 3 Claims. (Cl. 74—32.)



1. A chain including links; a pin connecting the links and having opposed mortises near one end; a detachable U-shaped head having its legs within the mortises, and means passing through the legs and the pin for securing them within the mortises.

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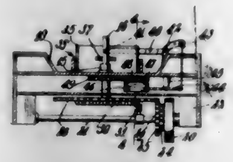
1,566,411. MECHANICAL TOY. FELIX LUNAR LOPES, Denbo, Pa. Filed Nov. 21, 1923. Serial No. 676,006. 6 Claims. (Cl. 46—45.)

1. A toy comprising a carriage, a carousel element mounted thereon, and means for giving said carousel element a variable rotary movement as the carriage is moved along a surface, said means comprising a shaft, a gear pinion having a one-way operative connection with





said shaft, a pair of gears of different diameters fixed to the carousel element, said gear pinion meshing with one of said gears, and a gear segment fixed to the said shaft and meshing with the other of said gears.

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1,566,412. METHOD OF MAKING ORNAMENTAL SERVING TRAYS. ROSE LOVINGER, New York, N. Y. Filed May 5, 1925. Serial No. 28,069. 2 Claims. (Cl. 41—22.)

1. A tray comprising a transparent plate, a coat of dark paint covering part of the rear face of said plate leaving transparent the appearance of certain designs at certain predetermined spots, a tin-foil background placed on said paint, a felt cushion carrying said plate, a reinforcing cushion formed in the center of said felt cushion, a wooden bottom, and a frame for the whole to which said bottom is attached, and a pair of handles.

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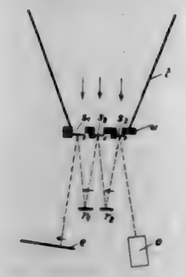
1,566,413. MEANS FOR RECORDING SOUND WAVES. JOSEPH MASSOLLE and JOSEF ENGL, Grunewald, and HANS VOOT, Berlin-Schoneberg, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Filed Apr. 4, 1921. Serial No. 458,633. 11 Claims. (Cl. 274—5.)



11. In acoustic apparatus, the combination of a supporting member, having adjacent openings therein, a plurality of diaphragms covering said openings, exposed to sound waves on one side and having reflecting surfaces on the other side, said diaphragms having different individual frequencies, all of said diaphragms being secured at one side only, and all having parallel axes of rotation, a source of light, and means for directing a beam of light therefrom against the reflecting surfaces of each of said diaphragms in succession, and from the last of said diaphragms to a desired point.

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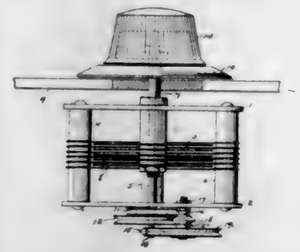
1,566,414. VERNIER CONDENSER. HENRY WILLIAM MEESEL, Newark, N. J., assignor to U. S. Tool Company, Inc., Newark, N. J., a Corporation of New Jersey. Filed June 4, 1924. Serial No. 717,711. 5 Claims. (Cl. 74—7.)



2. In a reduction train for plate condensers the combination of a double faced driving pinion, with a grooved faced wheel in engagement therewith said wheel being formed of elastic discs having marginal flanges and convexed centers and means for concentrically compressing said discs together to reduce their convexities whereby a resilient peripheral bearing face is formed.

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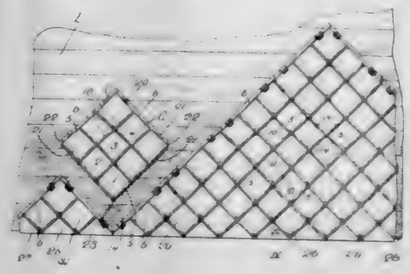
1,566,415. ROOFING SHINGLE. ROBERT MILLER, Brooklyn, N. Y. Filed Nov. 19, 1921. Serial No. 516,490. 6 Claims. (Cl. 108—17.)



1. A roofing shingle of rectangular shape and being made from sheet material pressed to provide beads extending along the margins of the shingle, the shingle being adapted to be laid diagonally upon a roof, the beads which extend along the lower marginal edges being relatively larger than the beads which extend along the upper marginal edges so that the lower beads of each shingle will fit over and receive the upper beads of previously laid shingles, and means for engaging and retaining the four edges of each shingle in said position.

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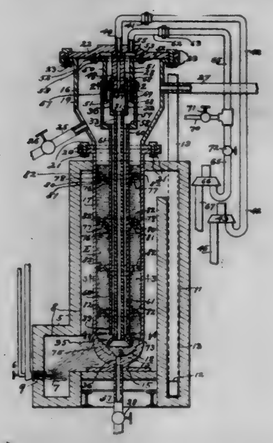
1,566,416. APPARATUS FOR TREATING HYDROCARBONS. FRED G. NIECE, Cleveland, Ohio, assignor to The International Holding Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 17, 1922. Serial No. 575,617. 18 Claims. (Cl. 196—118.)

4. Apparatus of the character indicated comprising a closed receptacle which has a vapor-outlet and contains a molten body penetrable by hydrocarbons and not vapor-

izable at the required hydrocarbon-cracking temperature, an endwise movable upright feed-pipe discharging into said molten body, and an upright feed-pipe arranged in-



ternally of and spaced from the first-mentioned pipe and movable upwardly during upward movement of said first-mentioned pipe.

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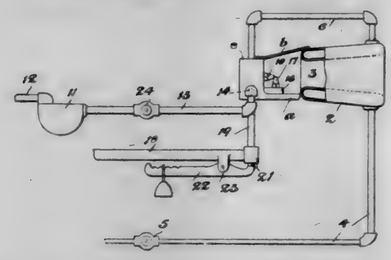
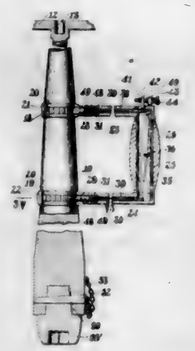
1,566,417. OIL BURNER. HERBERT BARCROFT ODELL, Toronto, Ontario, Canada. Filed Sept. 2, 1924. Serial No. 735,335. 2 Claims. (Cl. 158—73.)



2. In a contrivance of the class described, in combination a chambered steam generator having a passage-way therethrough; a distributing head located in front of said steam generator and provided in its upper portion with distinct inlet passage-ways which meet in a common horizontally-disposed outlet passage-way; a fluid nozzle mounted in said last-mentioned passage-way and projecting beyond said head and opening towards the passage-way through said generator; a foot integrally formed with said distributing head and provided with a fuel passage-way therethrough, which communicates with an intake fuel passage-way formed in said head; a vertically-disposed fuel nozzle carried by said foot and opening into the fuel passage-way thereof, and having its discharge end located adjacent the discharge end of said fluid nozzle; an air pipe opening into one of said first-mentioned inlet passage-ways; a safety valve associated with said air pipe; a steam pipe leading from said steam generator and opening into the other of said first-mentioned inlet passageways, the excessive pressure of steam escaping through said air pipe, a fuel-level-control bowl coupled to the fuel intake of said head, and a pan integrally formed with said head and associated with said foot so as to collect any unconsumed oil, the whole arranged to operate as set forth.

1,566,418. HAND DRILL AND SCREW DRIVER. STANISZLAW OLSZOWIEC, New Waterford, Nova Scotia, Canada. Filed July 28, 1924. Serial No. 728,553. 8 Claims. (Cl. 145—66.)



1. A device of the class described comprising an elongated body member adapted to receive a bit at one end, a pair of oppositely facing ratchet elements spaced along said member, rings freely surrounding said ratchet member, hollow arms projecting from said rings transversely to the said member, a tube rigidly connecting the outer ends of said arms, pawls slidable in the said arms and engaging the said ratchet elements, a rock-lever fulcrumed in said tube, stems connected at their forward ends to said pawls by a lost motion connection and at their rear ends to said lever, and means for setting said lever at different adjusted positions.

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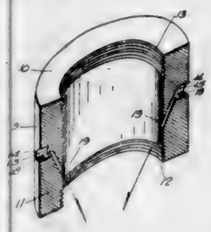
1,566,419. OIL AND GAS SAVING AND LIFE-SAVING COLLAR FOR OIL AND GAS WELL DRILLING OUTFITS. DE WITT M. O'NEILL and SHERMAN MCKOWN, Yale, Okla. Filed May 14, 1925. Serial No. 30,274. 1 Claim. (Cl. 166—15.)



In a device of the character described, a heavy cylin-lindrical collar, means securely connecting the same to a nipple below and a nipple above, the said collar being placed above the usual clamp and the usual collar and below the usual control head of a well drilling outfit, a plurality of larger ports leading from the periphery of the collar to a point midway the wall thereof, a similar plurality of smaller ports leading from the inner end of the larger ports and extending inwardly and downwardly therefrom and through the inner wall of said collar.

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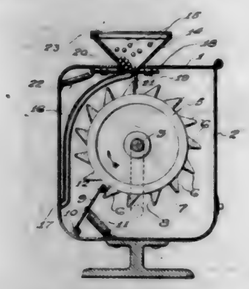
1,566,420. MOLD COMPOSITION. ALADAR PACZ, Cleveland, Ohio. Filed Oct. 2, 1924. Serial No. 741,274. 11 Claims. (Cl. 22—188.)

1. A composition of matter comprising metallic silicon containing material and a binding material, both in finely divided form, and intimately mixed with each other.



1,566,421. DETONATING TOY. EDWARD G. PATTERSON, Bismarck, N. Dak. Filed Feb. 14, 1923. Serial No. 618,574. 2 Claims. (Cl. 46—46.)



1. In a device as set forth, a housing, a drum rotatable within said housing, and a plurality of radiating teeth upon the perimeter of the drum, said teeth provided with cap receiving recesses, and means operated by rotation of the drum for discharging caps in said recesses, and article dispensing means carried by said housing and operable by rotation of said drum to dispense articles.

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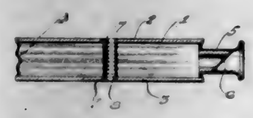
1,566,422. SOUNDING TOY. EDWARD G. PATTERSON, Bismarck, N. Dak. Filed Feb. 14, 1923. Serial No. 619,034. 1 Claim. (Cl. 46—46.)



A device as set forth comprising a pair of plates, collapsible material connecting the plates together for movement towards and away from each other, a reed arranged to be operated by compression of air between the plates, and a tube supported by the plates with ends open to receive therein an object.

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1,566,423. LOCOMOTIVE BED. HARRY M. PELAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Dec. 1, 1924. Serial No. 753,277. 21 Claims. (Cl. 105—172.)

1. A locomotive bed comprising side frames, and a cradle extending rearwardly from said side frames and formed integrally therewith.

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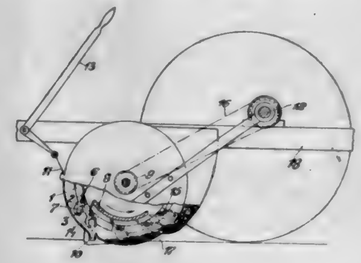
1,566,424. MACHINE FOR SOWING SEEDS. RAIMUND POLESCHENSKY, Windsheim, Germany. Filed May 15, 1924. Serial No. 713,606. 1 Claim. (Cl. 221—135.)

A machine for sowing seeds comprising a hopper, a discharge spout communicating with the lower rear portion of the hopper, a disc rotatable in said hopper, a plurality of picking devices carried by the disc and movable through the seeds contained in the hopper, each of the picking devices including a fixed member carried by the disc having a recessed outer extremity providing a seed receiving cup and a pivoted member having a reduced outer extremity adapted to engage a seed contained in the cup, each cup being so arranged that as it passes through the lower portion of the hopper it is open from below and in the direction of rotation of the disc but closed on top, means normally tending to move



the pivoted member of each picking device in the direction of the fixed member and means for disengaging the pivoted member from the seed incident to the movement of each picking device to a position in vertical line with the seed discharge spout.

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1,566,425. 4-NITRO-1-ACETNAPHTHALID-6 (OR 7)-MONO-SULPHONIC ACID. WALTER M. RALPH, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 29, 1920. Serial No. 427,116. 4 Claims. (Cl. 260—142.)

1. The method of producing nitro-acetyl-Cleve's acid, which comprises subjecting acetyl-Cleve's acid in solution in sulphuric acid to nitration with a mixture of nitric and sulphuric acids, and isolating the resulting nitro-acetyl-Cleve's acid in the form of its sodium salt by adding the nitration mixture to sodium carbonate in the presence of water in amount sufficient to effect neutralization, whereby the sodium salt of nitro-acetyl-Cleve's acid is formed and salted out from the solution by the sodium sulphate formed by the neutralization.

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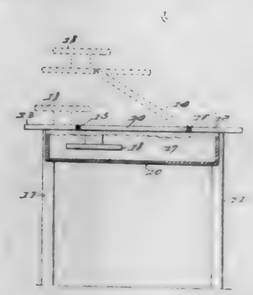
1,566,426. TABLE. ARTHUR REESE, Buckhannon, W. Va. Filed Oct. 10, 1922. Serial No. 593,531. 1 Claim. (Cl. 45—17.)



A table comprising a rectangular frame, a top panel fixed to the frame, a second top panel movably mounted with relation to the frame, said top panels, when in position upon the frame, having their meeting edges disposed along the median longitudinal dimension of the frame, strap links pivoted at their ends to the fixed and movable panels at points midway between the side edges thereof and at the ends thereof, and an ironing board mounted upon the movable panel and having

its median longitudinal dimension disposed beyond the points of pivotal connection between the links and the movable panel whereby, when the movable panel is swung upon its pivotal connection with the links to reverse its position with relation to the frame, the said ironing board may be enclosed within the intermediate portion of the frame or may be disposed above the frame of the table and in the vicinity of the edge thereof, the length of the strap links being greater than the transverse breadth of the movable panel whereby the movable panel may be swung between the strap links to position either of the longitudinal edges of the movable panel beyond the same side of the frame.

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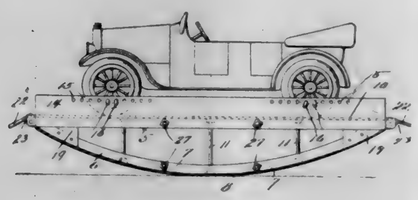
1,566,427. AUTOMOBILE LIFT. JAMES T. RENEAU, New Orleans, La., assignor of one-half to Lawrence E. Coker, New Orleans, La. Filed June 21, 1924. Serial No. 721,556. 5 Claims. (Cl. 214—1.)



1. In an automobile lift of the class specified, the combination of spaced rocker units having regular and continuous lower arcuate components which extend upwardly to and terminate at the ends of the units to form complete rocking base supports the full length of the units, the arcuate components being provided with upper track plates having inner and outer side guard flanges, and freely movable hinged inclines at opposite ends of the units for facilitating the movement of an automobile upwardly onto and downwardly from the track plates at either end of the said units.

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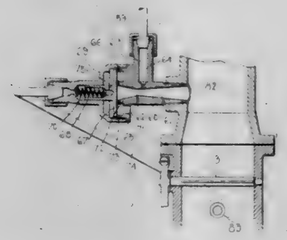
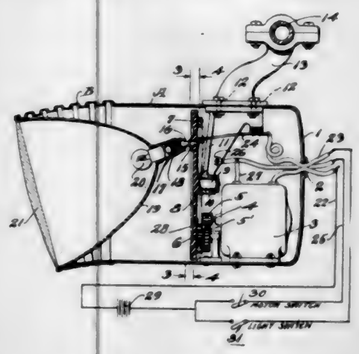
1,566,428. VACUUM PUMP SYSTEM. EUGENE C. RICHARD, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 15, 1920. Serial No. 374,177. 14 Claims. (Cl. 158—36.)



1. In combination with the intake passage of an internal combustion engine, a chamber into which fuel for said engine is to be lifted, means for utilizing the suction in said passage for creating a more intense suction for lifting the fuel to said chamber, said means including a valve having a portion normally exposed to atmospheric pressure, and a spring for closing the same, and means associated with the operation of the engine for opening the valve.

1,566,429. MOTOR-OPERATED SPOTLIGHT. GILBERT GEORGE ROSING, Sandusky, Ohio. Filed May 20, 1924. Serial No. 714,621. 11 Claims. (Cl. 240—41.)



1. In a spot light, in combination, a casing, a light comprising a reflector, a flexible casing element connecting the reflector at one end with said casing, and means connected with the opposite end of the reflector for swinging the latter in a rotary path for varying the direction of light projection by the reflector.

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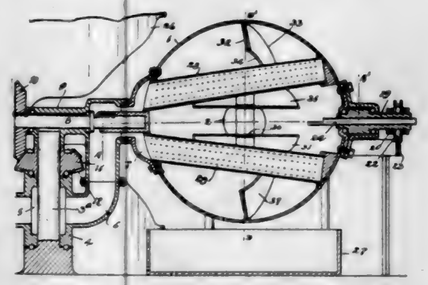
1,566,430. GRAIN-ROASTING DRUM. WALTER JAMES RUSSELL, Winnipeg, Manitoba, Canada. Filed Mar. 13, 1924. Serial No. 699,141. 6 Claims. (Cl. 34—5.)



6. In a spherical roasting drum, said drum having the ends thereof rotatably mounted and being provided at the sides with diametrically opposing doors, a wing passing around one-half of the interior of the drum from one side of one door to the opposite side of the other door and a wing passing around the other half of the drum from the latter side of the latter door to the opposite side of the former door, both of said wings being inclined in respect to the drum body.

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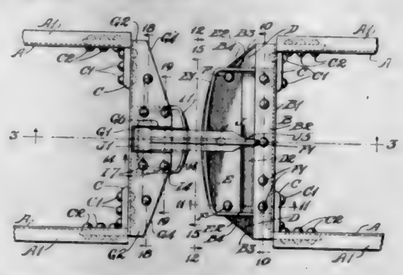
1,566,431. PROCESS FOR PRODUCTION OF YEAST. SØREN SAK, Copenhagen, Denmark, assignor, by mesne assignments, to The Fleischmann Company, New York, N. Y., a Corporation of Ohio. Filed Dec. 14, 1920, Serial No. 430,773. Renewed Nov. 7, 1925. 10 Claims. (Cl. 195—20.)

1. A process of propagating yeast which comprises preparing a yeast-nutrient mash, filtering the same, washing the residue, initiating propagation of yeast with aeration in the wash water, and during the period of propagation substantially continuously adding the original wort.



1,566,432. RAILWAY CAR. HUGH W. SANFORD, Knoxville, Tenn. Filed June 7, 1924. Serial No. 718,534. 9 Claims. (Cl. 105—364.)



1. In a railway-car, the combination with side sills, of a plate metal end sill member formed to present an upright back face and to present upper and lower horizontal flanges free from each other and extending from end to end of the sill and away from the car frame, a coupling casting and wood filling located between said flanges, bolts extending through said flanges and casting and wood, and a hinged hook adapted to engage an adjacent end sill structure, substantially as described.

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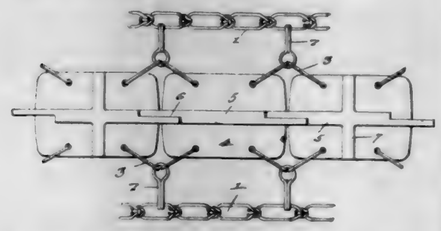
1,566,433. ANTISLIPPING TIRE ARMOR. NICHOLAS A. SCHWINDEN, Boise, Idaho, assignor of one-fourth to George W. Carey, Boise, Idaho, and one-fourth to Salvanus A. Ruse, Nampa, Idaho, and one-fourth to Henry Lafayette Tucker and one-fourth to Otto Fred Zurcher, both of Boise, Idaho. Filed Mar. 10, 1924. Serial No. 698,198. 1 Claim. (Cl. 152—16.)



A device of the class described including a plurality of plates shaped to fit about the outside of a tire in end to end relation, and provided on their outer surfaces with longitudinally extending ribs projected beyond the ends thereof, the projected portions being reduced for overlapping the next adjacent plates and lying alongside of each other, and being separate so as be movable in relation to each other, and flexible means connecting the plates.

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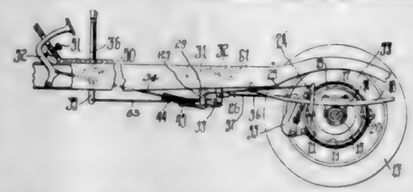
1,566,434. BRAKE MECHANISM FOR MOTOR VEHICLES. ERNEST W. SEAHOLM, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed May 26, 1920. Serial No. 384,363. 6 Claims. (Cl. 188—217.)

1. Brake mechanism of the class described comprising retarding members adapted to be moved into frictional engagement with rotating brake drums; brake applying mechanism whereby said members are operated; an operating rod one end of which is connected with a brake applying lever, and the other end of which is connected with said brake applying mechanism through a lost motion connection which permits a limited movement of said operating rod before movement is communicated from the same to said brake applying mechanism; equalizing mechanism included in and forming a part of said brake applying mechanism and to which said operating rod is connected; a spring associated with said operating rod and through which movement is transmitted from said rod to said brake applying mechanism



and which spring is normally under compression; and non-yielding connecting means intermediate said operating rod and said brake applying mechanism and through which movement is transmitted from said rod to said brake applying mechanism.

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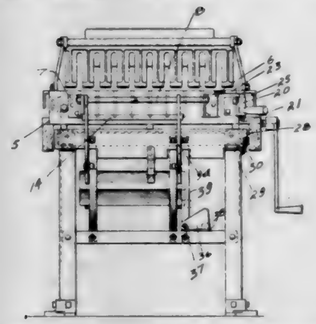
1,566,435. BRICKMAKING MACHINE. DAVID F. SHOPE, Portland, Oreg. Filed Nov. 18, 1924. Serial No. 750,706. 4 Claims. (Cl. 25—41.)



1. A new and improved brick making machine, comprising a frame structure, arms held in suspended relationship with the frame and adapted to being lowered, a counter balance and an end closure supported by the arms, and a hinged cover adapted to being actuated when the arms are depressed to the full lowered position.

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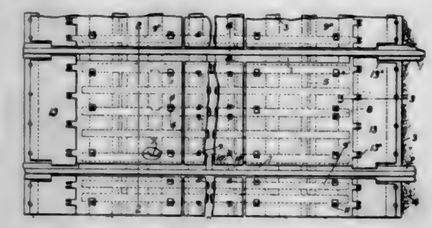
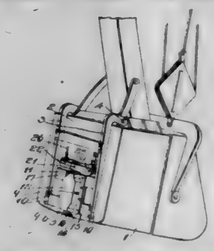
1,566,436. ROADWAY CROSSING INTERSECTING RAILROAD TRACK. WILLIAM ADAM SIEGNER, Stratford, and WILLIAM DOUGLAS GRAHAM, Brantford, Ontario, Canada. Filed Feb. 28, 1925. Serial No. 12,444. 6 Claims. (Cl. 238—8.)



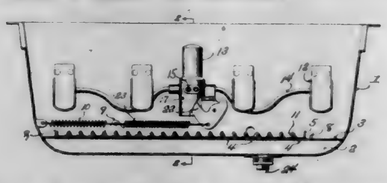
1. The combination with the track rails and supporting ties, of a series of members arranged between and parallel with the track rails, and having horizontally flanged upper ends forming tread bearing means, inverted T bars secured to the ties and extending transversely of the aforesaid members, and having cut-out portions through which the members extend.

1,566,437. DIPPER-DOOR-LOCKING MEANS. JAMES A. SIMPSON, Chicago, Ill. Filed June 23, 1924. Serial No. 721,905. 1 Claim. (Cl. 214—146.)



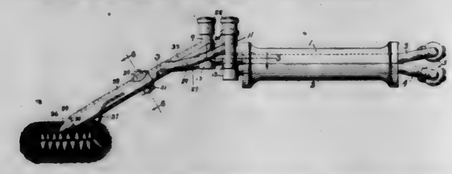
In a dipper bucket, a door hinged thereto at one side, a latch bar, means carried by the bucket and engageable by said latch bar for securing said door in its closed position, a plate secured to said door and slidably engaged by said latch bar, and a member secured to said plate and cooperating therewith to form bearings for said latch bar, said member having a chamber adapted to hold a supply of lubricant.

1,566,438. OIL-PAN CONSTRUCTION. ANDREW SMITH, Milwaukee, Wis. Filed Dec. 5, 1924. Serial No. 754,113. 6 Claims. (Cl. 184—106.)



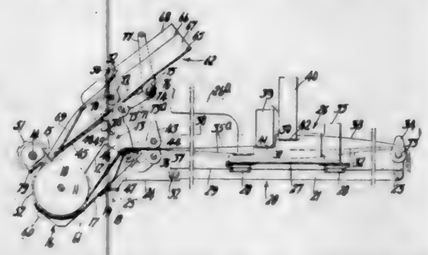
5. An oil pan construction for internal combustion engines comprising a main chamber, a sediment chamber therebelow divided from said main chamber by a stationary apertured partition, a slide mounted upon said partition and having apertures therein adapted to register with the apertures in the partition when the slide is in one extreme position, a spring urging the slide towards aperture opening position, a cylinder carried by said oil pan, and adapted to be connected to a suitable source of oil pressure, a piston mounted within said cylinder, a bell crank having one arm operatively associated with said piston, and a spring connecting the other arm of said bell crank lever with said slide, said slide having a plurality of wedge-shaped ribs interposed between successive apertures, said ribs projecting upwardly and adapted to guide sediment to said apertures.

1,566,439. DISHWASHING DEVICE. HENRY COLLIER SMITH, St. Marys, Ohio. Filed June 12, 1922. Serial No. 567,506. 4 Claims. (Cl. 15—128.)



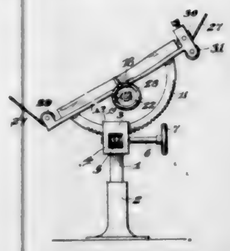
1. In a device of the class described, the combination of a plurality of supply pipes for different kinds of cleaning liquids, valves connected thereto, a spray tube connected to each valve, a third valve connected to one of said pipes, a nozzle connected to the third valve, and a brush attached to the nozzle and surrounding the discharge end thereof.

1,566,440. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 1, 1923. Serial No. 616,280. 24 Claims. (Cl. 197—126.)



1. In a continuous billing machine, a revoluble platen around which continuous webs and interleaved carbon-sheets may be fed, feed-rolls to run on the bottom of the platen and spaced to engage the edges only of the webs, a carbon-carrier at the rear of the platen to withdraw the carbon-sheets, from the used section of the webs, means to displace the platen from the feed-rolls to permit withdrawal of the carbon-sheets, means at the rear of the platen for guiding a separate work-sheet between the webs and the platen and between the bottom feed-rolls, so that it may be advanced relatively to the webs without displacing the platen, a collating table at the delivery side of the platen to receive said separate sheet, and feeding means to engage the portion of the separate sheet on said table to advance the separate sheet relatively to said webs.

1,566,441. WEB GUIDE. ROBERT JARVIS SMOTHERS, Holyoke, Mass., assignor to James T. Robinson, Holyoke, Mass. Original application filed Apr. 2, 1924, Serial No. 703,776. Divided and this application filed Dec. 18, 1924. Serial No. 756,779. 5 Claims. (Cl. 271—2.6.)



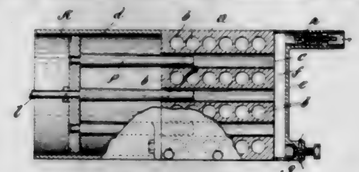
1. A web guide for the purpose set forth, comprising an angularly adjustable web supporting plate, and a pair of web retainers adjustable towards and away from each other and positioned over the upper face of the plate.

1,566,442. ISOTHERMAL AIR COMPRESSOR. CECIL W. STANCLIFFE, New York, N. Y., assignor to Stancliffe Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1923. Serial No. 659,074. 4 Claims. (Cl. 230—6.)

1. An apparatus for the purposes set forth comprising a heat interchanger unit constructed as a block of substantially solid heat-conducting material with a set of passages extending in one direction and a separate set of passages extending in a different direction and arranged intermediate of the passages of the first-named set, a chamber enclosing a gas-receiving space connected to one end of said unit in communication with one set of

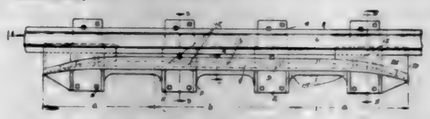


passages therein, a fitting at the opposite end of the unit having provisions for conducting gas to and away from said passages, means for conducting a cooling



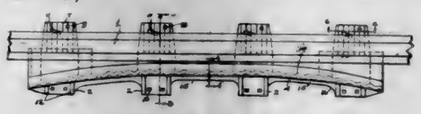
medium through the passages of the second-named set, and a piston working in said chamber toward and away from the unit.

1,566,443. GUARD RAIL. HENRY STEPHENS, Cleveland, Ohio, assignor to The Interstate Railway Supply Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 30, 1923. Serial No. 615,855. 6 Claims. (Cl. 238—19.)



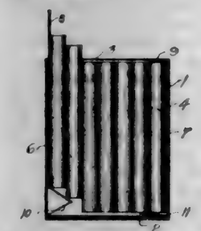
2. A guard rail comprising a series of base plates and a rail of Z-bar shape formed integrally therewith having a continuous vertical web and having its head section projecting toward the running rail, and braces between said rail bar and base plates comprising two compression webs on the outside of said Z-bar and two tension webs on the inside of said Z-bar at each base plate.

1,566,444. GUARD RAIL. HENRY STEPHENS, Cleveland, Ohio, assignor to The Interstate Railway Supply Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 3, 1924. Serial No. 723,997. 8 Claims. (Cl. 238—19.)



1. A guard rail comprising a series of base plates and a rail of Z-bar shape formed integral therewith, braces between the rail head and the base plates, the web of the rail being corrugated transversely to increase the stiffness and the base plates being provided with longitudinally arranged ribs and grooves.

1,566,445. CIGARETTE BOX. FRANK STRINGER, Kellogg, Idaho. Filed Feb. 14, 1925. Serial No. 9,307. 3 Claims. (Cl. 206—56.)

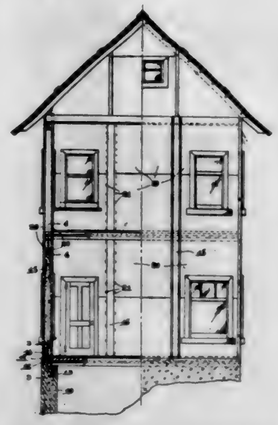


1. A duplex projector-strip for use in cigarette packages comprising a base, side arms and normally flat V-shaped folds at the junction of said base and arms, and foldable pull-tabs at the free ends of said arms.

1,566,446. COIN-CONTROLLED LIQUID-VENDING MACHINE. MATTHIAS T. TANNER, Rich Square, N. C. Filed Oct. 28, 1924. Serial No. 746,389. 2 Claims. (Cl. 194—01.)

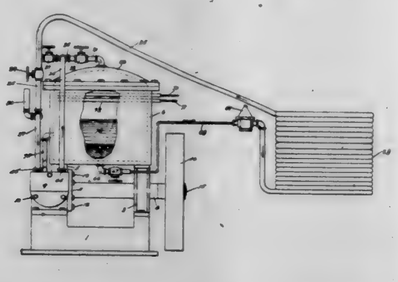
2. In combination with the pump rod of a liquid vending machine, a casing, a plunger adapted for reciprocatory movement in the casing, a lever pivotally mounted on the lower end of the plunger, means for moving the lever into locked engagement with the pump rod, a coin controlled device for holding the means in an engaged position, means for normally holding the lever out of locked engagement with the pump rod, and means for actuating the plunger.

1,566,447. BUILDING CONSTRUCTION. DANIEL L. THERIAULT, Cornwall, Ontario, Canada. Filed Sept. 5, 1923, Serial No. 661,119. Renewed Aug. 19, 1925. 3 Claims. (Cl. 20—4.)



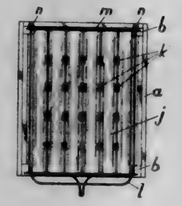
1. Building construction of the character described, comprising, in combination, a foundation wall provided with a metal wall plate having orifices therein, a plurality of stay bolts sunk in said walls and formed with threaded end portions projecting through the orifices in the wall plates, a plurality of I-beams engaging with the stay bolts and extending upwardly to form studs, wooden strips fixedly secured by means of bolts on said I-beams, covering comprising a plurality of steel plates having orifices therein and secured to said wooden strips to form hollow walls, and moisture absorbing means for filling the hollow walls between the studs whereby moisture is absorbed.

1,566,448. ART OF REFRIGERATION AND APPARATUS THEREFOR. JAMES B. THOMPSON and SELDON B. HIBBARD, Portland, Oreg. Filed Feb. 26, 1924. Serial No. 695,233. 9 Claims. (Cl. 62—178.)



1. As an improvement in the art of refrigeration obtained from successive compression and expansion of a refrigerant, the process which consists in collecting and maintaining in static stability within a refrigerative circulating system, two pools composed, respectively, of two liquids of different specific gravities, namely, a heavier refrigerant and a lighter lubricant, said pools being superposed one above the other so that the lighter lubricant floats on top of the heavier refrigerant, promoting a continuous circulation of the refrigerant through said system, compressing and condensing the refrigerant and, when condensed, showering it in liquid form, together with such of the lubricant as it may contain, upon the lubricant pool whereby it may gravitate therethrough without disturbing the static stability of the pools and may effect substantially perfect separation of the lubricant from the circulatory medium, substantially as set forth.

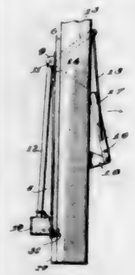
1,566,449. ELECTRIC COOKING GRILL. MICHELE TOCCHIO, Hammersmith, London, England. Filed Sept. 17, 1923. Serial No. 663,152. 9 Claims. (Cl. 219—37.)




6. An electric cooking grill having a frame with transverse brackets at each end, a number of tubes of a non-conducting material, with a conducting wire therein passing in and out near the respective ends, said tubes enclosed in a perforated casing secured at each end by a nut and bolt, a removable corrugated cover with a handle at one end.

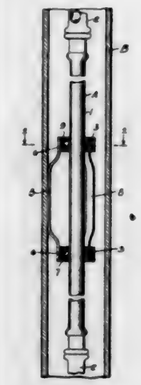
1,566,450. AWNING ATTACHMENT. WILLIAM ANDREW TOMLINSON, Phoenix, Ariz. Filed June 26, 1924. Serial No. 722,559. 4 Claims. (Cl. 156—15.)

1. In a swingably mounted awning, an operating means for said awning comprising a bell crank lever pivotally mounted adjacent the swinging connections of the awning, one arm of the bell crank lever adapted to be movable in an opening of a fixed support, a pivotally mounted lever and a link connecting the lever with the last mentioned arm of the bell crank lever, the other arm of the lever being extended transversely of the awning, means on the outer end of the awning engaging the end



of the bell crank lever, and means actuated by the arm extending over the awning for locking the awning in closed position.

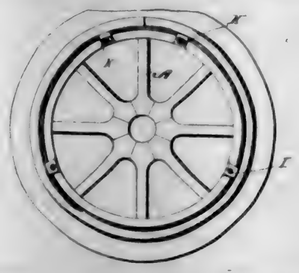
1,566,451. SUCKER ROD ANTIFRICTION MEANS FOR WELL TUBING. FRED B. VAUGHN, Los Angeles, Calif. Filed June 16, 1924. Serial No. 720,303. 2 Claims. (Cl. 308—4.)



1. A guide for a sucker rod adapted to reciprocate in a well tubing, comprising axially split collars spaced axially in the tubing and arranged for reciprocation of the sucker rod through the bores of said collars, antifriction means rotatably mounted in said collars and projecting into the bores thereof for engaging the sucker rod, hinge connections for the split sections of the collars, and circumferentially spaced yieldable arms fixed at their respective ends to the split sections of the respective collars so as to permit opening of the collars for lateral displacement from or engagement with the sucker rod, said arms being adapted for frictional engagement with the well tubing when the collars are closed on the sucker rod.

1,566,452. WHEEL WITH DEMOUNTABLE TIRE-CARRYING RIM. JAMES H. WAGENHORST, Akron, Ohio. Filed Mar. 8, 1919. Serial No. 281,489. 3 Claims. (Cl. 301—11.)

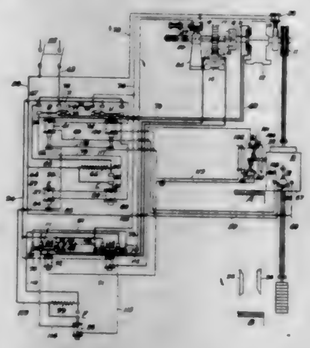
1. The combination with a wheel body having a channeled sheet metal fixed rim provided with rim supporting flanges, of a one piece transplit tire carrying demountable rim, clamping lugs rigidly connected to said rim, transverse bolts passing through the fixed rim and through openings in the inner ends of said clamping lugs,



nuts upon said bolts, the openings in the clamping lugs adjacent the split in the tire carrying rim being elongated.



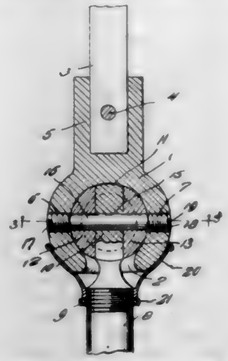
1,566,453. ELECTRIC ELEVATOR SYSTEM. RAYMOND A. WAITE, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 2, 1924. Serial No. 710,519. 6 Claims. (Cl. 187—29.)



3. In an electric elevator system, the combination of a hoisting drum, a main motor connected in driving relation therewith for raising and lowering the elevator, an auxiliary motor for raising and lowering the elevator at a reduced speed, electromagnetically applied and spring released means for connecting said auxiliary motor with said hoisting drum, means for controlling the operation of the two motors and said connecting means, and means operative to prevent the operation of the auxiliary motor and the application of the connecting means therefor, dependent upon the speed of the main motor.

1,566,454. UNIVERSAL JOINT. HENRY W. WAITS, Gainesville, Fla. Filed Oct. 9, 1924. Serial No. 742,574. 1 Claim. (Cl. 64—91.)

A universal joint comprising a socket member having a pair of opposite disposed interior grooves, a shank member, a flat head formed on the outer end thereof, the outer edge of said head being rounded, complementary segmental sections disposed in said socket, each provided with a pair of parallel sides, a flat edge, and an arcuate edge, the arcuate edges being receivable in the grooves, said flat head being adapted to be inserted in said socket between the flat edges of the segmental sections to form a rocker movable in said sockets, said segmental sections and said flat head being provided with registering openings, said socket being provided with threaded openings registered with each other, said openings communicating with said grooves, a locking pin insertible through either of said threaded openings in the

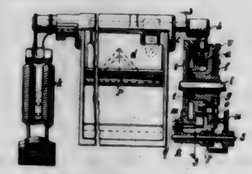


socket, and adapted to extend through the registering openings in the segmental sections and flat head, said locking pin being of a length equal to the diameter of the socket, and plugs threaded into the openings of the socket to prevent the displacement of said locking pin.

1,566,455. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 29, 1923. Serial No. 683,267. 11 Claims. (Cl. 197—126.)

1. In a typewriting composite web machine, a traveling carriage, a revoluble platen journaled therein, a carbon-carrier reciprocable toward and from the platen, web-plies threaded through said carbon-carrier, and means for adjusting the carbon-carrier to locate the carbons and webs in line with various fields of the platen.

1,566,456. MECHANICAL STOKER. ERWIN ALEXANDER WECK, Dolau, Reub, Germany. Filed Sept. 13, 1922. Serial No. 588,016. 5 Claims. (Cl. 110—113.)



1. In a mechanical stoker of the oscillating spreader type, a spreader mounted to oscillate, means for varying the retractive movement of said spreader for controlling the length of the throw, means for imparting an impelling movement to said spreader, and means for imparting a sudden supplemental retractive movement to said spreader immediately before its discharge movement.

1,566,457. LANTERN GLOBE. CHARLES E. WHALIN, Salt Lake City, Utah, assignor, by direct and mesne assignments, to Whalin Auto Lens & Light Co., a Corporation of Utah. Filed Mar. 21, 1923. Serial No. 626,558. 1 Claim. (Cl. 240—100.)

A lantern comprising a frame in which a globe is mounted and an electric light bulb as its source of illumination; said globe fastened in the bottom of said frame and surrounding said electric light bulb in spaced relation thereto, said globe consisting of five plano-convex integral lenses one forming the bottom of said globe and the other four the sides of said globe integrally formed as as a sphere except at the side nearest the frame, which side is extended and externally threaded for engagement with said frame.

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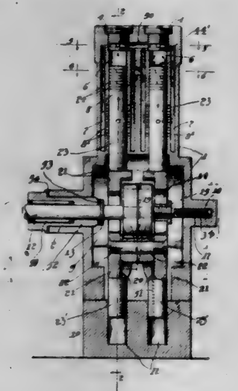
1,566,458. FLUID COMPRESSOR. WINFIELD SCOTT WILLIAMS, Chicago, Ill. Filed Dec. 19, 1921. Serial No. 523,388. 21 Claims. (Cl. 230—27.)



1. In a fluid compressor a cylinder having spaced walls defining a compression chamber and a cooling chamber surrounding said compression chamber, a valve controlled chambered piston reciprocating in said compression chamber and means for reciprocating said piston, said cylinder and piston being provided with coacting ports establishing registering communication between the interior of said piston and the chamber surrounding said compression chamber for all positions of said piston.

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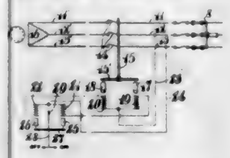
1,566,459. CONTROLLING SYSTEM. CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 14, 1923. Serial No. 638,922. 9 Claims. (Cl. 172—179.)

3. In a system of devices for controlling the transmission of power to an electric motor driven mining machine, a plural-part set of motor control devices, one part being mounted permanently on the mining machine and the other being connectible with a power circuit and adapted to remain at a distance from the mining machine while the latter is cutting, said parts being connected only by flexible current conducting means and said second mentioned part comprising all circuit making and breaking devices, and said first mentioned part constituting controlling means for said circuit making and breaking devices.



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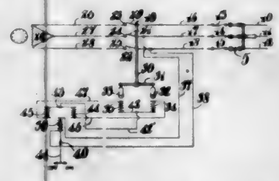
1,566,460. CONTROLLING SYSTEM. CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 14, 1923. Serial No. 638,923. 11 Claims. (Cl. 172—179.)



1. In a system of devices for controlling the transmission of power to an electric motor driven mining machine a plural-part set of motor control devices one part being mounted permanently on the mining machine and the other being connectible to the power circuit and being adapted to remain at a distance from the mining machine while the latter is cutting said second mentioned part comprising all circuit making and breaking devices and electro magnetic means for actuating the same, and said first mentioned part constituting means for inducing currents in said electro magnetic means.

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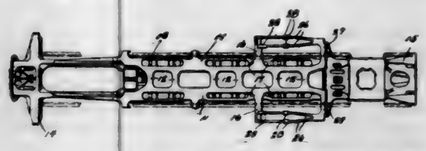
1,566,461. LOCOMOTIVE FRAME. HARRY R. BARTELL, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Dec. 1, 1924. Serial No. 753,294. 15 Claims. (Cl. 105—172.)



1. A locomotive frame formed in a single piece and comprising side members, a series of transverse members, and brackets extending from said side members for supporting valve gear mechanism.

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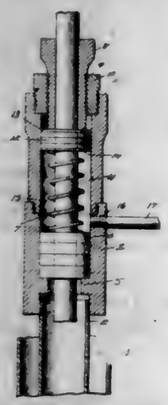
1,566,462. STUFFING BOX. GEORGE S. BASHLINE, Wynona, Okla. Filed Dec. 11, 1924. Serial No. 755,242. 1 Claim. (Cl. 286—16.)

A stuffing box for the piston rod of an oil well comprising a casing including an upper and a lower section, the lower section threaded at its lower end for engaging the upper end of the usual oil well tubing, an annular flange formed on the inner wall of the lower section adjacent the lower end thereof, a bushing threaded in the upper end of the upper section, a sleeve threaded in the bushing, packing rings in said casing adapted to encircle the piston rod and disposed above the flange, additional packing rings in the casing adapted to encircle the piston rod and disposed below the sleeve, a coil spring encircling the rod for holding the packing rings in engagement with the flange and sleeve respectively, said



sleeve providing a means for regulating the tension of the coil spring, said casing having a drain opening provided therein at a point above the lower packing rings for discharging the oil which leaks past the lower packing rings and collects in the casing, the upper packing rings preventing the passing of the oil upward around the upper portion of the rod.

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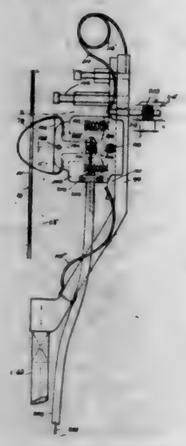
1,566,463. FRUIT-PITTING APPARATUS. JOSEPH P. BEAM, Fresno, Calif., assignor to Pacific Pitting Machine Company Inc., Fresno, Calif., a Corporation of California. Filed Oct. 6, 1924. Serial No. 741,870. 22 Claims. (Cl. 146—28.)

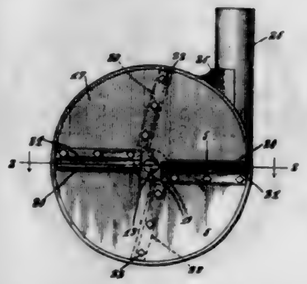


1. In a fruit pitting mechanism of the character described, an arched blade mounted on a rocker bar, said rocker bar being pivotally supported for oscillation on an axis extending transversely of the plane of the arch at a point distant from the top of the arch beyond its main axis, and means for oscillating the rocker bar on said first mentioned axis.





1,566,464. SNOW REMOVER. CLARINGTON W. CATTERSON, Endicott, N. Y. Filed Feb. 13, 1925. Serial No. 8,976. 3 Claims. (Cl. 37—43.)



1. An apparatus of the class described, comprising a cylindrical shell held from rotation and provided with a lateral outlet, a shaft extending through said shell, a closure for the open side of the shell and coupled to rotate with said shaft, said closure having radially directed openings, a cutting element attached to said closure externally thereof and at one side of each of the radial openings therein, and a plurality of blades attached to said closure internally thereof extending radially of the shell.

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1,566,465. TERMINAL CONNECTER FOR SPARK PLUGS. ALBERT CHAMPION, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed May 18, 1921. Serial No. 470,575. 4 Claims. (Cl. 173—269.)

1. A terminal connecter comprising two similar elongated members semi-circular in cross-section so as to together form a tube; fastening elements disposed adjacent one end of each member at the free edge thereof, and which elements are adapted to engage one another to thereby secure said members together; and a lug extending from a side edge of each of said members and located adjacent the other end thereof, and which lug is adapted to engage the adjacent side edge of the other member to thereby prevent sidewise movement of said members.

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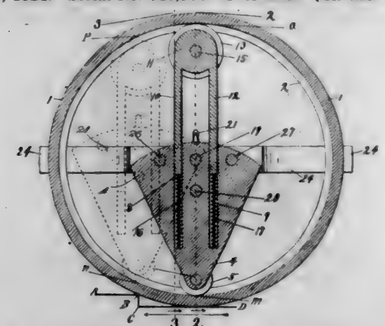
1,566,466. BOOT OR SHOE LACE. WILFRED REYNOLDS CLEAVER, Coventry, England. Filed Dec. 4, 1924. Serial No. 753,970. 1 Claim. (Cl. 24—143.)

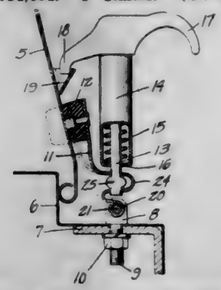
An elastic lace for boots and shoes having each end compressed by the sides of a terminal U-shaped tag, the latter being roughened on their inner sides, an adjustable tag comprising a piece of flat metal with a longitudinal slot being slidably mounted on the said elastic lace.

1,566,467. WHEEL WITHOUT SPOKES. SERGIO FAUSTINO DE CASTRO Y IZNAGA, Habana, Cuba. Filed Nov. 10, 1924. Serial No. 748,964. 5 Claims. (Cl. 305—5.)



5. In a wheel without spokes for vehicles, a loose circular tire provided with lateral inward flanges, a contractible body embodying a sector-shaped stand provided with antifriction rollers which may roll on the lower portion of the inner face of the said circular tire and a forked-piece provided with anti-friction rollers which may roll bearing against the upper portion of the inner face of the said circular tire encased within its lateral flanges, spring means within proper bores made in said stand and bearing against the bottom of said bores and the ends of the legs of the forked-piece; in combination with two horizontal guard-plates secured by their middle portion respectively to the outer and the inner faces of the said sector-shaped stand embracing between them the said loose circular tire to avoid its possible falling off when the car turns sharply.

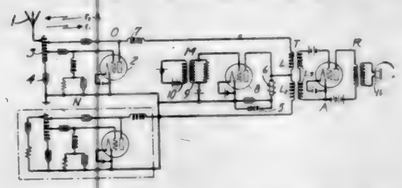
1,566,468. HOOD CATCH. STEPHEN DE ORLO, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 8, 1924. Serial No. 754,604. 5 Claims. (Cl. 292—128.)



1. A hood door latch of the class described, comprising a spring arm having a door engaging block at its upper end, and the lower end of which is pivotally connected with a fixed support; a stem fixedly secured to said arm adjacent the lower end thereof, and extending upwardly from said lower end alongside said arm; and a spring actuated hold down member carried by said stem and movable longitudinally thereupon, and having a hook adapted to engage a fixed abutment carried by a hood door.

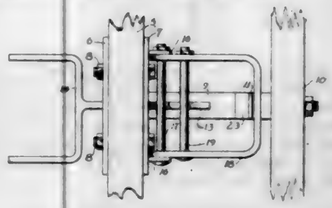
1,566,469. TWO-WAY COMMUNICATION SYSTEM. JOHN F. FARRINGTON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 23, 1920. Serial No. 432,644. 10 Claims. (Cl. 250—9.)

1. A station for two-way communication systems comprising in combination a transmitting circuit and a receiving circuit, including a transmitting and receiving conductor, common means for generating the outgoing high frequency carrier wave and for detecting the incoming modulated carrier wave associated in energy transfer relation with said conductor, a modulating circuit asso-



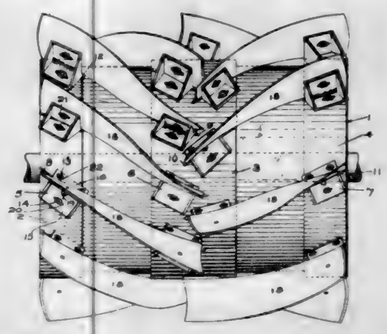
ciated with said means for modulating said high frequency wave, a receiving device, and means conjugately relating portions of said transmitting and receiving circuits, whereby transmission may be effected without interference with reception.

1,566,470. DOOR LATCH AND RETAINER. WILLIAM B. FLATLEY, Watseka, Ill. Filed Apr. 5, 1923. Serial No. 630,119. 1 Claim. (Cl. 292—56.)



In a combined latch and door retainer, a latch having an extension adapted to project through a door, a member on which the extension is oscillatable, a yoke-like handle oscillatably mounted on the said member and having means for pressing against the extension for oscillating the latch, an arm projecting from a stationary member adapted to form an abutment for arresting the door at its open position, and a lug thereon embraced by the yoke-like handle for holding the door in an open position.

1,566,471. ROTARY PLOWSHARE PULVERIZER. HENRY A. FRETTS, Sacramento, Calif. Filed Jan. 5, 1925. Serial No. 488. 5 Claims. (Cl. 97—215.)

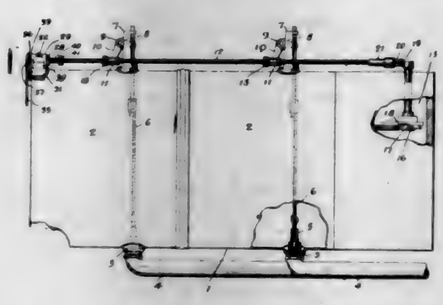


3. In combination with the rotor of a rotary pulverizer, a plurality of ribs arranged exterior the said rotor and carried thereby and provided with spirally arranged grooves, brackets adapted to fit in said grooves, spirally



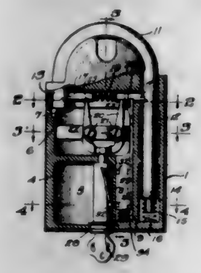
arranged cutters mounted upon said brackets and provided with reversed-curve cutting edges, and means permitting the oblique movement of said brackets in said grooves in effecting the adjustment of said cutters.

1,566,472. VALVE MECHANISM. HARRISON F. FULLER, Indianapolis, Ind., and ARTHUR L. BETTS, Cincinnati, Ohio, assignors to Augustine Davis, jr., Covington, Ky. Filed Sept. 20, 1923. Serial No. 663,785. 8 Claims. (Cl. 137—21.)



2. In a tank having an outlet or outlets and a spring-closed valve or valves therefor, a longitudinal control rod capable of longitudinal and rotary movements, valve connections related to the control rod so as to be operated by the longitudinal movements, operating and holding mechanism operatively related to the rod at its rear part in respect to such movement, and means related to the forward part of the rod so as to be capable of turning the same whereby to effect its release from the mechanism at the rear.

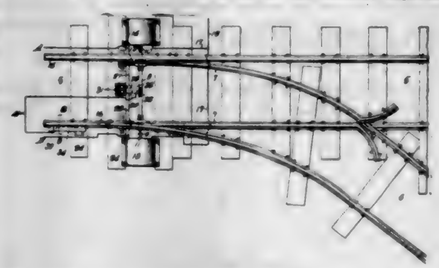
1,566,473. LOCK. LEE D. GIBSON, Dallas, Tex. Filed Oct. 31, 1924. Serial No. 747,108. 4 Claims. (Cl. 70—108.)



1. A lock as described and shown comprising a casing a major locking plunger and minor locking plungers therein, a spiral key with fingers engageable in slots in said major locking plunger for moving said major plunger downward from engagement with one of said minor locking plungers; and means for releasing said minor locking plungers from engagement with the hasp when the key is rotated to move the major plunger.

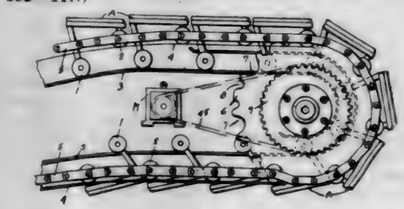
1,566,474. ELECTRICAL SWITCH-OPERATING MECHANISM. EDWARD H. GRIM, Dott, W. Va. Filed Mar. 21, 1925. Serial No. 17,358. 3 Claims. (Cl. 246—232.)

1. The combination with the switch points of a railway switch, of a solenoid for shifting said switch points in one direction, a second solenoid for shifting said switch points in an opposite direction, and means including an element on a vehicle of the railway operable to selectively close the circuit of either desired one of said solenoids while the vehicle is in motion and approaching said railway switch, a normally open current grounding switch operatively associated with a rail of the railway adjacent



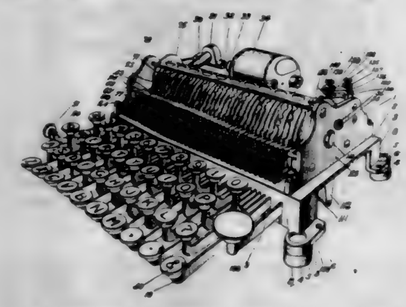
the switch points and movable by the wheels of rolling stock of the railway to closed position, and means operable by shifting of the switch points to connect the operative solenoid to said current grounding switch and simultaneously disconnect the inoperative solenoid from said current grounding switch.

1,566,475. SAFETY DEVICE FOR ESCALATORS. ARTHUR E. HANDY, New York, and SAMUEL G. MARGLES, Brooklyn, N. Y., assignors to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 30, 1922. Serial No. 585,956. 7 Claims. (Cl. 192—147.)



1. In combination with the driving mechanism for a conveyor, a brake drum cooperating with said driving mechanism and provided with teeth, and a pawl adapted to engage said teeth for stopping the conveyor.

1,566,476. TELEGRAPH TRANSMITTER. BENJAMIN P. HAYES, Kansas City, Mo. Filed Feb. 26, 1923. Serial No. 621,166. 24 Claims. (Cl. 178—88.)



1. A telegraph transmitter comprising a constantly rotatable driving member and a normally inert character member, one movable to operative engagement with the other, means yieldingly urging the movable member to

the operative engagement, a yieldable restraining device for the movable member, shifting mechanism operable on the restraining device to permit movement of the movable member to the operative engagement, a latch for the restraining device, rendered inoperative by the character member as the latter completes an operative phase, and circuit making and breaking mechanism operable by the character member.

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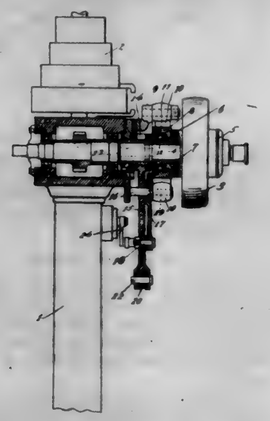
1,566,477. DRILLING MACHINE. WILLIAM G. HOELSCHER, Cincinnati, Ohio. Filed Apr. 6, 1922. Serial No. 550,230. 4 Claims. (Cl. 192—2.)



1. In combination with a machine tool having an operating shaft, an electric switch for a driving motor, a clutch adapted to connect the motor with the operating shaft, a brake for the shaft, and means for operating the brake, clutch and switch from a common handle, for the purpose described, said means being adapted to take a position to close the switch while holding the clutch out of operation and the brake in operation.

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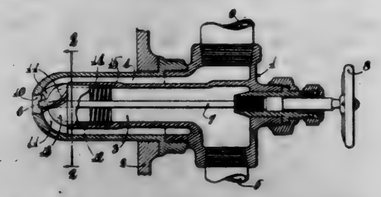
1,566,478. FUEL-OIL BURNER. WIBBE S. HOFSTRA, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 17, 1921. Serial No. 453,177. 10 Claims. (Cl. 158—76.)



1. In an oil burner, means forming concentric oil and atomizing fluid passages, a resiliently positioned member disposed in said passages and having a restricted oil discharge port formed therein, and means for variably controlling the flow of oil through said port.

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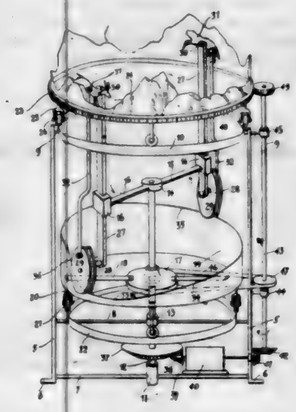
1,566,479. AMUSEMENT DEVICE. BELA HORVATH and JOHN PETE PAPP, New Rochelle, N. Y. Filed Jan. 12, 1924. Serial No. 685,804. 4 Claims. (Cl. 272—31.)

1. In an amusement device, the combination with a cam ring, and a scenic ring and means for supporting them, of a vertical shaft arranged centrally of the cam ring and provided with arms above said cam ring, guide blocks carried by said arms, wheeled bars having reciprocating movement in said guide blocks the wheels for said bars being comparatively heavy and adapted to travel on said cam ring, the upper ends of said bars



extending interiorly of said scenic ring and provided with pivotally engaged animal representations, pitman connections between said wheels and said animal representations to swing the latter on their axes when said wheels revolve on the cam ring, and means for rotating said vertical shaft.

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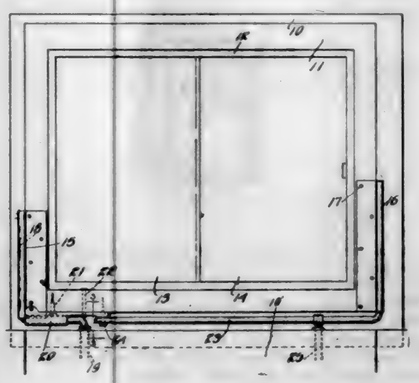
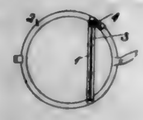
1,566,480. CONNECTING MEANS FOR TWO-PART AUTOMOBILE DOORS. MATTHEW B. HULL, Connersville, Ind., assignor to Rex Manufacturing Company, Connersville, Ind., a Corporation of Indiana. Filed Mar. 29, 1924. Serial No. 702,957. 7 Claims. (Cl. 296—45.)



6. A two-part automobile door comprising a permanent lower section, a demountable upper section, a resilient rod having an upright part secured to the upper door section and a body extending along the lower edge of said section, and means for securing the free end of said body to the upper door section in a twisted state to bias the upper end of said upper door section toward the vehicle body, substantially as set forth.



1,566,481. EYE-PROTECTING SCREEN FOR PERSONAL WEAR. JOSHUA KEYMS, Southampton, England. Filed Oct. 22, 1924. Serial No. 745,249. 2 Claims. (Cl. 2—12.)



1. An anti-dazzle device for personal use, comprising a frame, right and left eye pieces on said frame, a vertical bar mounted on an eye piece in its vertical plane and intermediate between its centre and its left hand extremity, a vertical screen hinged to said vertical bar so as to lie in a plane parallel with the axis of vision when the frame is in use.

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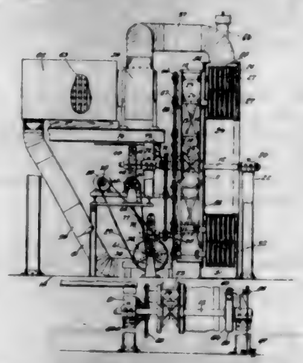
1,566,482. PAINT-DRYING MACHINE. HARRY K. KOPPIN, Jackson, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 8, 1923. Serial No. 623,817. 15 Claims. (Cl. 34—12.)



1. In a device of the class described, a circular carrier, a passageway for enclosing the same, means for rotating said carrier, supports on said carrier, means for moving said support relatively to said carrier, and means for circulating air in said passageway.

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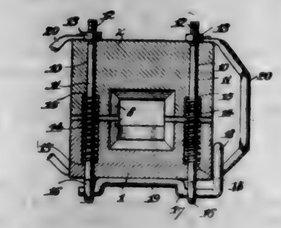
1,566,483. UNDERREAMER DRESSING BLOCK. GEORGE ELMER KRAMER, Wilson, Okla., assignor of one-sixth to Le Roy Johnston and one-sixth to Edward Turner Sholtus, both of Wilson, Okla., and one-sixth to William Oliver Clay, Wirt, Okla. Filed Oct. 24, 1924. Serial No. 745,724. 2 Claims. (Cl. 76—95.)



1. A block of the character described, comprising two members, each member having tapering recesses in its inner face, removable forms located in said recesses and having tapering walls corresponding with the taper thereof, bolts connecting the members, and means for moving one of said members toward and away from the other member.

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1,566,484. INCANDESCENT LAMP. FREDERICK JOHN LAUTERBACH, Brooklyn, N. Y., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Apr. 21, 1919. Serial No. 291,738. 5 Claims. (Cl. 176—39.)

1. In an incandescent lamp, a filament support including a stem, an arbor and a resilient support member joining said stem and arbor, said link being shaped to looped form between said stem and arbor, the loop being positioned with its axial line substantially at right angles to the axis of the arbor.

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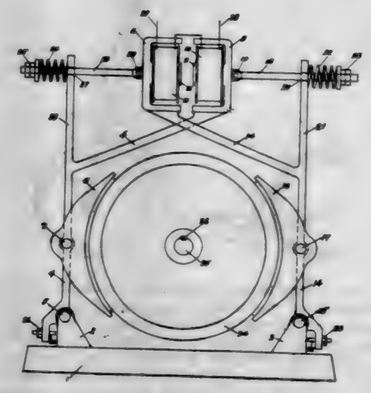
1,566,485. BRAKE. GEORGE W. LAUTRUP, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 15, 1923. Serial No. 680,947. 3 Claims. (Cl. 188—171.)



1. Braking mechanism comprising in combination a brake drum, a pair of brake arms, a brake shoe carried by each arm between its ends to cooperate with said brake drum, a pivotal support for each arm at one end and a magnet coil and core rigidly mounted on the other end of each arm for drawing them toward each other and releasing said shoes from said drum.

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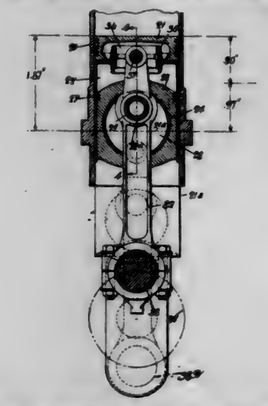
1,566,486. INTERNAL-COMBUSTION ENGINE. ROGER KENNETH LEE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 14, 1925. Serial No. 15,648. 15 Claims. (Cl. 74—108.)

1. An engine comprising, in combination, a crank shaft having crank pins arranged at 180°, a plurality of cylinders and pistons, a rod for connecting each piston

with a crank pin, and means associated with each rod for causing, at each instant of crank rotation, the difference in the inertia forces acting upon the crank



shaft due to the movement of the rods in opposite directions to be offset by a difference in the inertia forces due to the movement of the pistons in opposite directions.

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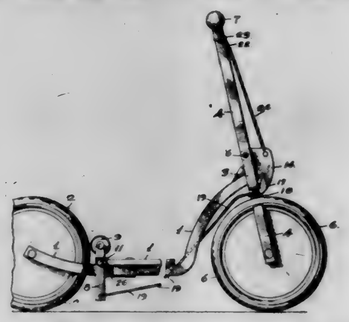
1,566,487. BRAKE FOR SCOOTERS AND COASTERS. CHRIS LATTIN, San Francisco, Calif. Filed Jan. 24, 1925. Serial No. 4,529. 8 Claims. (Cl. 188—20.)



1. As a new article of manufacture, a brake for scooters and coasters of the tandem type comprising a vertically disposed lever pivotally mounted adjacent the rear wheel of said scooter; a brake roller rotatably mounted upon said lever and arranged to engage the tread of said wheel; a sector pivotally mounted upon the fork of the scooter and having an aperture in the free end thereof normally aligned with the vertical pivot of said fork with the body of the scooter; a connecting rod pivotally connected with the aperture at one end and the lower end of the brake lever at the other end thereof whereby rotation of the fork will be prevented from applying the brake; and means mounted adjacent the handle of said fork and operatively connected to the sector to operate the same.

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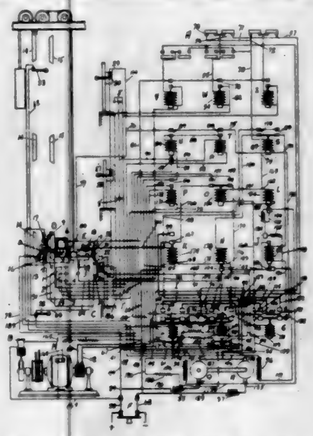
1,566,488. SPEED-CONTROL SYSTEM FOR PUSH-BUTTON ELECTRIC ELEVATORS. JACOB D. LEWIS and GEORGE WILLIAM LAUTRUP, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 31, 1922. Serial No. 578,635. 2 Claims. (Cl. 187—29.)

1. In an automatic push button elevator, the hoisting motor, a source of current therefor, a reversing switch, a car leveling switch, and devices which it is adapted to strike and thereupon be closed thereby, and having a winding, adapted to hold said leveling switch out of contact with said devices, a floor switch having a winding, said floor switch adapted upon closing to establish a circuit to the windings of said leveling and reversing switches, a floor controller, adapted to open the cir-



cuit to the windings of said leveling and reversing switches, and a holding switch adapted to hold the reversing switch closed regardless of the opening of said circuit while the hoisting motor is above a predetermined speed, said leveling switch being operative to control the reversing switch to bring the elevator car to a stop level with a desired landing.

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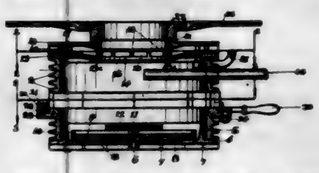
1,566,489. LIQUID-FUEL BURNER. HARRY C. LITTLE, Larkspur, Calif., assignor to Rotair Burner Corporation, a Corporation of Nevada. Filed June 16, 1925. Serial No. 37,496. 10 Claims. (Cl. 158—91.)



10. A liquid fuel burner, comprising a combustion cylinder having a bottom and a top comprised of two separated plates provided with a central opening, a plurality of openings in the walls of the combustion chamber for admitting air therein, a plurality of tangential projections located on the walls of the combustion cylinder for causing the air admitted through the said openings to assume a tangential course within the cylinder, a plurality of openings located between the two plates of the top for admitting air into the combustion chamber in a tangential direction opposite to the course of the air admitted through the openings in the walls of the cylinder, whereby the tangential movement of the gases generated within the cylinder is arrested at a point in the combustion cylinder before they pass therefrom through the central opening in the top, and means for delivering liquid fuel to the combustion cylinder.

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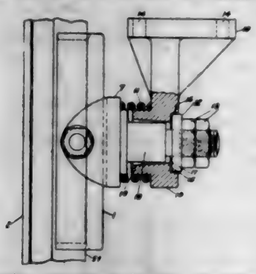
1,566,490. GUIDE FOR ELEVATORS. DAVID L. LINDQUIST, Hartsdale, N. Y., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 27, 1923. Serial No. 671,213. 11 Claims. (Cl. 187—95.)

5. A guide for elevators, comprising in combination with the elevator guide rail, a guide shoe adapted to travel thereon, having diametrically opposite spherical surfaces of equal radii from a common center within the guide rail, a member having spherical surfaces concentric with those of the guide shoe and in engagement there-



with for angular movement in any direction about the center of curvature within the rail, and a resiliently yielding pivotal connection for supporting said member from the car.

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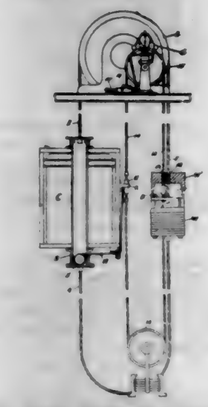
1,566,491. SAFETY MECHANISM FOR ELEVATORS. DAVID L. LINDQUIST, Hartsdale, N. Y., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 10, 1924. Serial No. 685,345. 11 Claims. (Cl. 187—89.)



5. Elevator safety mechanism comprising in combination an elevator car, a car brake, a brake operating cable, a hoisting cable, a counterweight, and means operative upon the breaking of said hoisting cable to transfer to said brake operating cable a predetermined limited portion of the total load of said counterweight to effect the application of said car brake.

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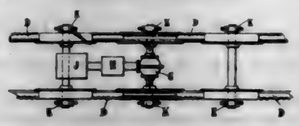
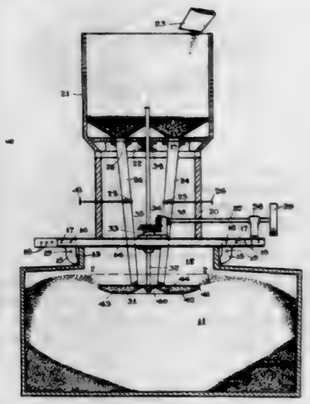
1,566,492. RAILROAD-TRACTION SYSTEM. MAXWELL MCGINNESS, London, England, assignor to The Railgrip Syndicate Limited, London, England. Filed June 7, 1923. Serial No. 644,024. 10 Claims. (Cl. 105—30.)



1. For use in a railroad traction system, a locomotive comprising a body, ordinary wheels and a pair of axially movable coaxial V-grip rack-grip wheels located about midway between front and rear pairs of the ordinary wheels.



1,566,493. GRAIN LOADER FOR VESSELS OR THE LIKE. ALEXANDER MCKAY, Montreal, Quebec, Canada. Filed Mar. 29, 1924. Serial No. 702,869. 3 Claims. (Cl. 198—128.)



1. A grain loader for the holds of vessels or the like comprising, an adjustable frame adapted to engage with the hatchway, a superstructure mounted on the frame and secured thereto, a hopper mounted on the superstructure, a vertically disposed shaft rotatably mounted in the frame and the superstructure, and adapted to extend below the frame into the hold, a dished disc having ribs extending upwardly from the dished surface said disc being securely attached to the end of the shaft below the frame, and adapted to rotate with said shaft, spouts or pipes depending from the underside of the hopper to guide grain towards the centre of the disc and means for rotating the vertically disposed shaft.

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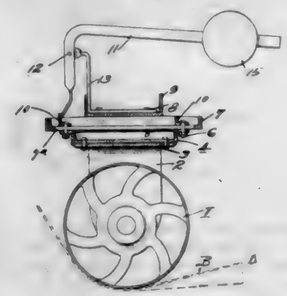
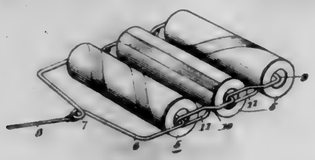
1,566,494. BELT TIGHTENER. ARTHUR JACK MCKINLEY, San Francisco, Calif., assignor to The Western States Machine Company, Salt Lake City, Utah, a Corporation of Utah. Filed July 18, 1921. Serial No. 485,725. 3 Claims. (Cl. 64—5.)



1. A belt tightening device including, in combination, a fixed frame provided with guideways, a hanger for the idler, shoes operating in the guideways and to which the hanger is attached so as to be slidable on said frame and suspended therebelow, and means mounted on and above the frame and operative to constantly force the hanger in one direction along the guideways of the frame to maintain the belt in tightened condition; said means including a yieldingly operative arm engaging one of the shoes.

1,566,495. TOY. LOGAN L. MALLARD, Norfolk, Va. Filed Nov. 20, 1924. Serial No. 750,976. 14 Claims. (Cl. 46—48.)



13. A toy comprising a series of cylindrical rollers and U-shaped members mounted in the bores thereof, the arms of each member being loosely linked in engagement with the member of the succeeding roller.

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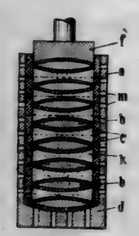
1,566,496. DESICCATING AND COMPRESSING PULPY MATERIAL, PARTICULARLY PEAT. KARL MAUS, Berlin-Charlottenburg, Germany. Filed Apr. 27, 1921. Serial No. 465,033. 25 Claims. (Cl. 44—27.)



2. In a device for desiccating and shaping peat and other pulpy material, means for compressing said material into cakes, means for subdividing the material, and means for submitting the central portion of the subdivided material, and means for submitting the central portion of the subdivided material to a relatively increased compressing pressure.

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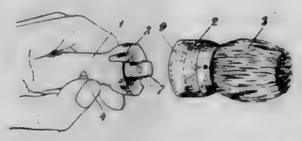
1,566,497. SHAVING BRUSH. PAUL MEYERLIN, Pantin, France. Filed Sept. 12, 1924. Serial No. 737,379. 1 Claim. (Cl. 15—176.)



In a shaving brush, the combination of a handle provided with a longitudinal hole, a spindle rotatable in the said hole and provided with a bar extending across the bottom of the said handle, means for rotating the said spindle through a small arc, grooves at the edge of the handle adapted to be covered by the ends of the bar in one position and to be uncovered in another position thereof, a spring adapted to turn the bar into the position where the grooves are covered, a cap like holder adapted to fit over the bottom of the handle and furnished with a brush proper, the said holder being provided with inwardly projecting portions adapted to slide into the grooves in the bottom of the handle and so formed that the bar carried by the handle is adapted to engage them under the influence of the spring, substantially as and for the purposes set forth.

1,566,498. PROCESS FOR MAKING WATERPROOF PORTLAND CEMENT. CHARLES N. MILLER, San Francisco, Calif. Filed February 26, 1924. Serial No. 695,375. 5 Claims. (Cl. 106—24.)

2. The process of preparing waterproof cement which consists in thoroughly incorporating into a cementitious material a mixture of beta naphthol and non-volatile oil.

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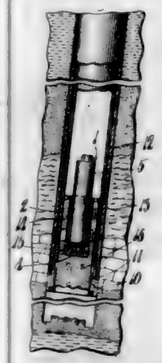
1,566,499. METHOD OF EXPLORATORY DRILLING. JOSEPH S. MITCHELL, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 4, 1924. Serial No. 717,909. 7 Claims. (Cl. 255—1.)



1. The method of determining the inclination of the strata being drilled which consists in inserting a recording instrument in the strata, securing the instrument in position in the strata, and withdrawing the instrument in fixed relation with a section of the strata.

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1,566,500. INDUCTION HEATER FOR AND METHOD OF HEATING TIRE MOLDS. EDWIN FITCH NORTHRUP, Princeton, N. J., assignor to Ajax Electrothermic Corporation, Trenton, N. J., a Corporation of New Jersey. Filed Nov. 20, 1920. Serial No. 425,439. 46 Claims. (Cl. 18—53.)

1. The method of integrating successive heating effects from spaced electrical heating devices upon successive molds to be heated which consists in moving the heating devices and the molds to be heated with respect to each other, so as to bring the molds successively within the electromagnetic field of each of said spaced devices.

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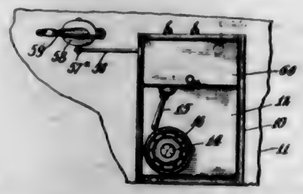
1,566,501. COMBINATION SAFETY DEVICE FOR AUTOMOBILES. MICHAEL J. O'BRIEN, New York, N. Y. Filed Jan. 19, 1925. Serial No. 3,473. 2 Claims. (Cl. 70—127.)

1. An anti-thief attachment for automobiles comprising a series of spaced contacts arranged in pairs forming part of the ignition circuit of the automobile, a slidable bridging element adapted to engage and bridge the contacts of the respective pairs, a collar adapted to freely surround the emergency brake lever of the automobile, a bar connected at one end to the said collar,



a pin movable with the said bridging element and engaging in an aperture in the said bar to retain the same against movement, and a lock controlling the



movement of the said pin and bridging element, and means preventing complete movement of the said bridging element to operative position when the said pin is engaged with the said bar.

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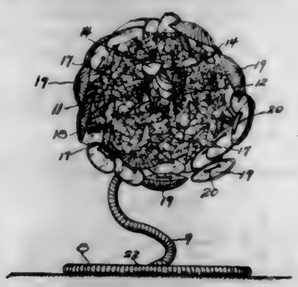
1,566,502. NATURAL-SHELL PERFUME LAMP. HAZEL E. PALMER, Kansas City, Kans. Filed Apr. 11, 1924. Serial No. 705,963. 6 Claims. (Cl. 240—10.)



1. In a perfume lamp having means for heating and lighting said lamp, a plurality of natural shell containers for the liquid to be vaporized, each of said natural shell containers being supported in contact with said heating and lighting means by an arcuate pliable connection, whereby the container may be adjusted toward and away from the heating means.

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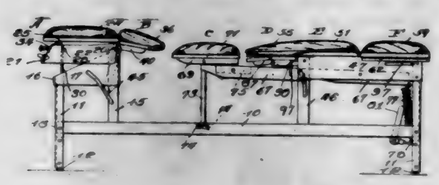
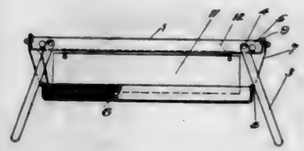
1,566,503. CHIROPRACTIC TABLE. EDWARD OVERMAN and EDWARD P. BLANCHARD, Los Angeles, Calif. Filed July 25, 1923. Serial No. 653,697. 5 Claims. (Cl. 128—72.)



1. A chiropractic table having a supporting frame, a head support and a breast support pivotally mounted upon the frame adjacent one end of the head support, the breast support having downwardly extending arms, a spring operatively connected to the arms and resisting depression of the breast support, a cranked shaft mounted upon said frame and extending parallel to said arms and in one position bearing against said arms and resisting depression of the breast support.

1,566,504. CAMP STOVE. JAMES R. PEARSALL, Rochester, N. Y. Filed June 16, 1922. Serial No. 568,741. 1 Claim. (Cl. 126—30.)



A camp stove comprising a rectangular grill supporting frame, a grill supported on said frame, fenders hinged to the frame to swing inwardly in parallel relation thereto, legs pivoted to the sides of the frame on the outer sides of the fenders to swing into the plane of the frame, a fire basket of shallow construction, rectangular in form, and having a flat bottom, and means for suspending the fire basket from the rectangular grill supporting frame, said means being constructed to space the fire basket from the rectangular frame and to permit the fire basket to be brought into close proximity with the rectangular frame so that the entire stove may be compactly folded.

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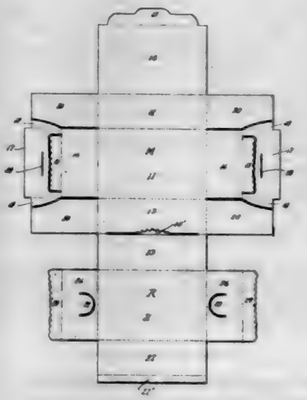
1,566,505. BOX. EDWARD E. PINKERTON, Chicago, Ill. Filed June 29, 1923. Serial No. 648,414. 4 Claims. (Cl. 229—34.)



1. A box consisting of a single sheet of material and comprising a main portion with an outer end wall doubled over inwardly, a lace member cut out and extending from said end wall, a reinforcing portion bent inward from said main portion and having an end member inside of said end wall, and lace means on said end member extended beneath said lace member to form a superposed lace effect.

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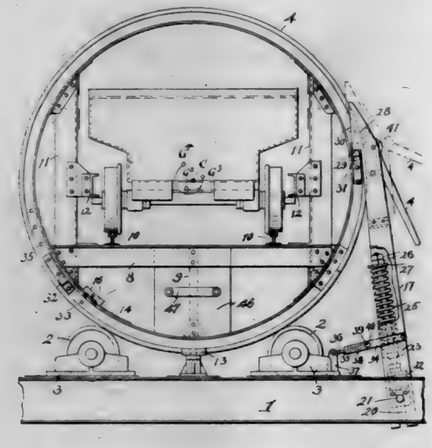
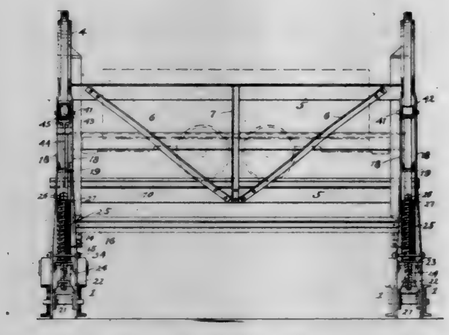
1,566,506. TIPPLE. ARTHUR G. REESE, Cleveland, and PAUL H. DOUGLAS, Cleveland Heights, Ohio, assignors to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 11, 1922. Serial No. 560,094. 14 Claims. (Cl. 214—52.)

1. A gravity car tipple comprising a car support mounted for rotative movement about a longitudinal axis and having its center of gravity at one side of said axis, car holding means on said support, a pair of spaced stop lugs secured to said support, a latch having a stop

shoulder engageable with one of said stop lugs to hold said support in car receiving position and with the other of said stop lugs to limit the rotative movement of said





support, said latch acting to stop the movement of the car support in one direction only, and means for releasing said latch from said first lug to permit rotative movement of said support to dump a car thereon.

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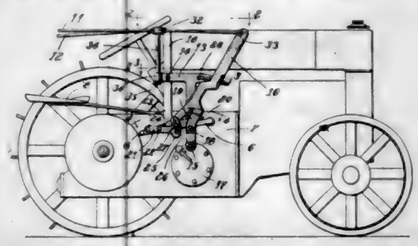
1,566,507. ELECTRIC HEATER. THOMAS C. RUSSELL, Chicago, Ill. Filed June 21, 1924. Serial No. 721,449. 8 Claims. (Cl. 201—67.)

1. In an electric heating device of the class described, the combination of a flat elongated metallic sheath, a resistance element extending through said sheath, a frame bridging one end of said sheath, walls on said frame engaging with the side edges of said sheath, means for drawing said walls into clamping engagement with said edges to thereby clamp the frame in place, said walls being clear of the base of said sheath whereby said sheath may be applied to flat surfaces, terminals on said frame, and connections between said resistance element and said terminals.

1,566,508. CLUTCH-CONTROL MECHANISM. SWAN A. SANDBERG, Lee Center, Ill. Filed Oct. 12, 1925. Serial No. 61,909. 10 Claims. (Cl. 74—89.)



1. In a tractor, the combination with a clutch pedal, of a single hand lever for operating said pedal by pivotal movement from an inoperative to an operative position, a support for mounting said lever on said tractor, a clutch-engaging and operating element on said lever adjustable thereon for engagement with said clutch pedal with said lever in inoperative position, said element comprising an auxiliary lever pivoted to said hand lever intermediate its ends having its free end for engaging the pedal, and an adjustable clamping member at its other end to cooperate with the hand lever to secure said auxiliary lever in adjusted relation to said hand lever.

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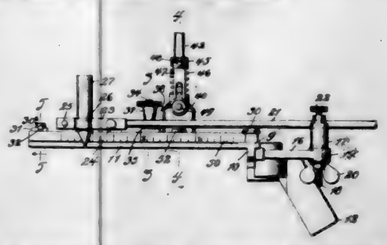
1,566,509. PUNCH-CENTERING MACHINE. ALBERT SCHWANZ, St. Louis, Mo. Filed Feb. 9, 1925. Serial No. 8,035. 3 Claims. (Cl. 33—189.)



1. In combination with a T square, a punch guide slidably secured thereon, a punch slidably secured in said punch guide, a sleeve secured to said punch, a slotted arm secured to said sleeve, a stud secured to said punch guide in sliding engagement in the slot of said slotted arm, a spring positioned on said punch between said sleeve and said punch guide.

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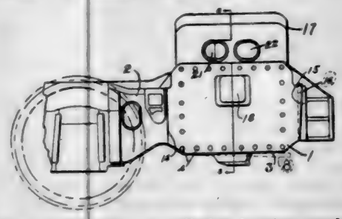
1,566,510. LOCOMOTIVE FRAME FRONT END. WILLIAM M. SHEEHAN, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Nov. 24, 1924. Serial No. 751,892. 14 Claims. (Cl. 105—44.)



1. In a locomotive, a cylinder bearing surface having a vertical rib at one end and an inclined rib at the opposite end, a cylinder frame adjacent to said cylinder bearing surface and between said ribs, and a wedge between said inclined rib and the end of said cylinder frame.



1,566,511. BRUSH. NIELS CHRISTIAN SORENSEN, Chicago, Ill. Filed Aug. 22, 1923. Serial No. 658,677. 2 Claims. (Cl. 15—195.)

1. A brush having a metal head with an integral handle at one end and with projections at the side edges, metal bristles mounted between said projections, a member mounted over said bristles to hold them firmly in position, said projections being bent inward over said member, and means at the outer end of said head clamped over said member to assist said projections to hold said member and bristles firmly in position.

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1,566,512. LAMINATED COHESIVE INTERWOUND RUBBER TUBE AND METHOD OF MAKING THE SAME. LAWRENCE A. SUBERS, Lakewood, Ohio. Filed May 18, 1921. Serial No. 470,646. 3 Claims. (Cl. 18—56.)

1. The method of forming a flexible resilient tube of balanced resistance to pressure, consisting of forming a layer of rubber by winding a series of bands of calendered rubber free of fabric about a mandrel, the bands of each series being the same length per unit length of tube, and being wound at a predetermined angle to the longitudinal axis of the tube, the bands of each successive series being wound in the opposite direction, the bands of each series being spaced apart a distance equal to their own width so as to cover one half of the surface of the mandrel, and then vulcanizing the same to form a homogeneous structure of rubber.

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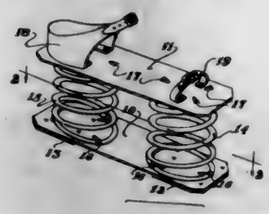
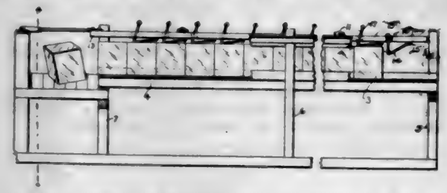
1,566,513. SPRING SHOE. THOMAS W. THACKERY, Winnetka, Ill. Filed May 31, 1924. Serial No. 716,974. 3 Claims. (Cl. 272—70.)



1. A spring shoe comprising superposed plates, intermediate springs at the front and back of said plates, means for fastening the uppermost of said plates to the foot, said plates being formed from identical blanks and provided with ears for gripping said springs, said ears on opposite adjacent plates being bent in opposite directions to grip said springs.

1,566,514. ICE-DELIVERING DEVICE. FERDINAND ERNST WEGENER, Sherman, Tex. Filed May 11, 1925. Serial No. 29,862. 7 Claims. (Cl. 198—222.)



1. In a device of the character described including a closed ice storage chamber and a delivery platform adjacent thereto, the combination of an ice chute in said storage chamber and extending through the wall of said chamber, a swinging door above said chute in said wall, a reciprocable bar above said chute, a series of ice engaging pawls on said bar and means to reciprocate said bar for the purpose described.

6. In a device of the character described, a storage chamber, an ice supporting rack therein, means operable from without said chamber to move the ice longitudinally of said rack, means to receive said ice and discharge it through an opening in the wall of said chamber, and means to close said opening.

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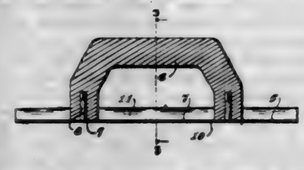
1,566,515. PLASTERER'S FLOAT. JOHN W. AULD, Los Angeles, Calif. Filed June 16, 1923. Serial No. 645,887. 1 Claim. (Cl. 72—136.)



In a plaster's float, a rectangular sheet of metal having square cut parallel side edges, two strips of wood; one for each of said side edges and each strip having a flat bottom surface and a substantially smooth vertically ranging surface intersecting the said bottom surface to provide a defined substantially right angle corner; each of the said strips attached to the smooth upper surface of said sheet of metal with its vertically ranging surface in vertical alignment with the corresponding square cut edge.

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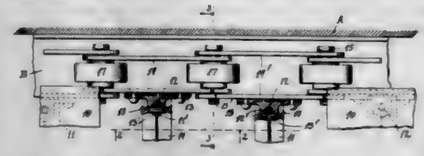
1,566,516. CONVEYER. ROBERT ELMER BAKER, Bronxville, and LAURENCE SEYMOUR HARBER, Katonah, N. Y., assignors to Joseph Baker Sons & Perkins Company, Inc., White Plains, N. Y., a Corporation of New York. Filed Mar. 28, 1921. Serial No. 456,099. 5 Claims. (Cl. 198—195.)

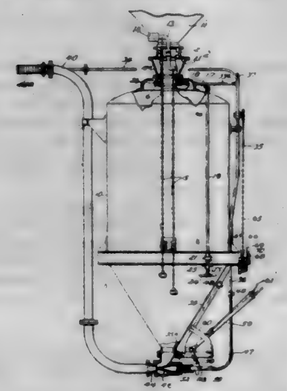


1. A conveyer comprising spaced longitudinal traveling members, cross members each comprising a plate and a central bar perpendicular to the plane of said plate and forked at the ends, lugs projected from said longitudinal members into the forked ends of said bars, and means for connecting said lugs and bars pivotally.

3. A conveyer comprising spaced longitudinal traveling members, cross members connecting said longitudinal

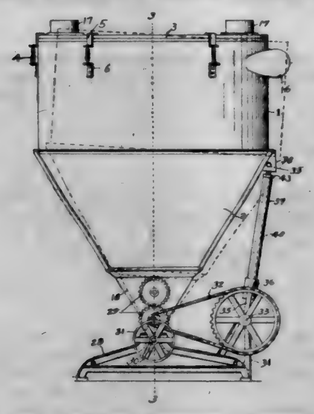
members and including plates having adjacent edges perpendicular to the direction of travel, and anti-warping fingers projected from each of two adjacent plates toward and beyond the near edge of the companion plate.

1,566,517. BLOWING TANK FOR PNEUMATIC TRANSPORT SYSTEMS. LARS H. BERGMAN, Chicago, Ill., assignor to Raymond Bros. Engineering Co., Chicago, Ill., a Corporation of Illinois. Filed May 5, 1923. Serial No. 636,919. 8 Claims. (Cl. 302—53.)



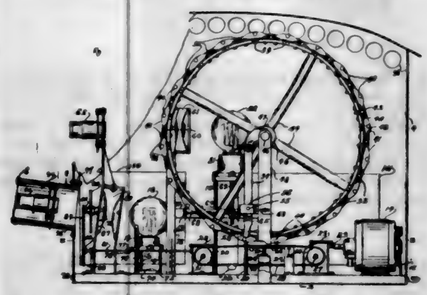
1. The combination with a blow tank for pneumatic conveying mechanism for powdered substances, of a transport line leading from said tank, an air supply conduit, other conduits leading respectively from said first named conduit to the top and bottom of said tank, a conduit leading to said transport line in advance of the entrance end thereof, a valve arranged to selectively connect two of said air conduits, whereby the valve in one position directs air from said supply conduit into the bottom of said tank and in another position directs air from the top of the tank to the said conduit leading to the transport line, and a separately controlled conduit leading from the air supply conduit to the entrance end of the transport line.

1,566,518. DUST SEPARATOR. WILLIAM T. BLANEY, Peterborough, Ontario, Canada. Filed July 7, 1923. Serial No. 650,045. 17 Claims. (Cl. 183—55.)



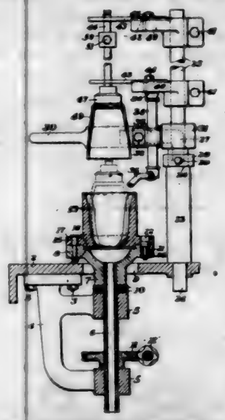
1. A dust separator, comprising adjacent chambers, one of which has an inlet for dust-laden air, the other having an outlet for purified air, a filter member through which said chambers have restricted communication said chambers and filter member forming a unit assembly, and means for oscillating said unit assembly to dislodge dust from said filter member.

1,566,519. PROJECTION APPARATUS. MED A. BLANKENSHIP, Detroit, Mich. Filed Mar. 22, 1923. Serial No. 626,925. 11 Claims. (Cl. 88—27.)



1. A record projection apparatus embodying a record projecting light, a screen for receiving a record as projected by said light, a second light, ray directing means for the second light to avoid interference with the projected record as received by the screen, a shutter for the second light, and driving means for the shutter to effect intermission shadows on the screen adjacent the record.

1,566,520. METHOD AND APPARATUS FOR REFORMING GLASS ARTICLES. HARRY A. BRIDGES and JOHN WM. LAMPARTER, Sapulpa, Okla., assignors to The Bartlett-Collins Glass Company, Sapulpa, Okla., a Corporation of Oklahoma. Filed July 7, 1924. Serial No. 724,580. 7 Claims. (Cl. 49—22.)



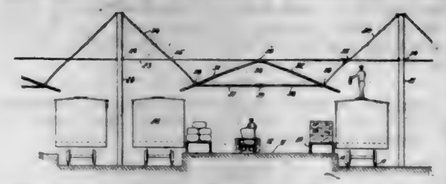
1. In a method of re-forming articles of glassware, the steps consisting in heating the article to be re-formed to soften the same, engaging said article with a shaping surface, producing relative rotation between said article and surface, and supplying a cooling medium to said shaping surface, substantially as described.

1,566,521. FREIGHT SHED. WILLARD C. BRINTON, New York, N. Y., assignor to Terminal Engineering Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 28, 1922. Serial No. 539,888. 9 Claims. (Cl. 189—1.)

1. The combination of a goods loading platform, a group of railroad tracks on each side of the platform,

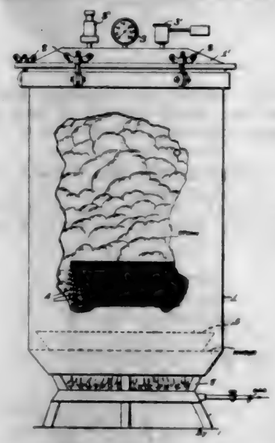


a canopy positioned over the platform for protecting goods thereon from the weather, supports for the canopy each positioned between a pair of tracks of one of said



groups of tracks, and truss rods interconnecting upper portions of the supports and secured to the canopy, the connections between the truss rods and the supports being disposed above the major portion of the canopy.

1,566,522. PROCESS FOR CURLING HAIR. REGINALD CARLES, South Portland, Me. Filed Mar. 6, 1924. Serial No. 697,172. 2 Claims. (Cl. 132—31.)

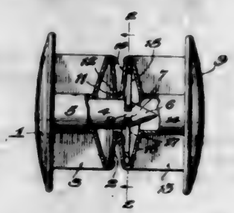


1. The process of curling hair which consists of winding the hair upon a stick or the like, then subjecting the wound hair to the action of steam under relatively high pressure and subsequently removing it from the stick to form curls.

1,566,523. CANDY-BOX HOLDER. JAMES L. COFFEY, Milwaukee, Wis. Filed May 3, 1923. Serial No. 636,329. 3 Claims. (Cl. 211—24.)

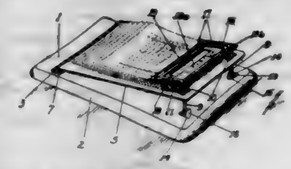
1. A holder for a candy box and a wholly detachable cover having marginal flanges, said holder comprising an inclined body portion with open ends adapted to receive said box, and a frame extending upwardly and rearwardly from said body portion and provided with a rectangular opening corresponding substantially in form and area to the part of the cover bounded by flanges thereof, whereby said flanges are receivable through said opening to support said cover above and in a detached relation to said box.

1,566,524. SEPARABLE CUFF BUTTON. LEONARD DAHLGREN, Attleboro, Mass. Filed Apr. 4, 1925. Serial No. 20,671. 2 Claims. (Cl. 24—100.)



1. In a cuff button, a male and a female member each having an inner and an outer head, said male member having a stem formed with a cone-shaped end, said end being provided with opposed slots between its tip and base to provide a pair of tapered end walls, and a spring device carried by the female member and having parts receivable in said slots, said stem being turnable in the female member whereby upon turning to spread said spring parts by the tapered end walls thereof to cause the spring parts to ride on the tapered end walls and thence on the end of the stem to separate the members, and a web connecting the heads of each member and shaped to hold the members against turning in the buttonhole.

1,566,525. PAPER HOLDER. FRANCIS A. DEELIEUS, Modesto, Calif. Filed Oct. 11, 1924. Serial No. 743,093. 12 Claims. (Cl. 129—85.)

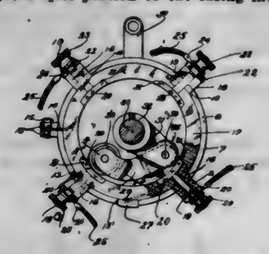


1. A paper holder comprising a base, a paper clamp mounted thereon adjacent one end and projecting upwardly therefrom, a plate cooperating with the clamp and projecting thence downwardly to the base at an angle thereto, means formed integral with the base and plate to form a hinge connection therebetween and spring means acting to force the plate into frictional engagement with the plate and forming the pintle of the hinge connection.

1,566,526. TIMER FOR INTERNAL-COMBUSTION ENGINES. JOHN B. DRAHONOVSKY, Milwaukee, Wis., assignor to Mechanical Production Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 13, 1920. Serial No. 365,546. 1 Claim. (Cl. 200—26.)

A timer, comprising an outer split casing having peripheral slots, an insulating member positioned within the casing and having portions which extend through some of the slots, said insulating member also having a positioning lug which extends through one of the casing slots, spaced fixed contact members mounted on the inner surface of the ring and having shanks which project

outwardly through some of the extending portions, means for drawing the split portion of the casing into clamping



engagement with the insulating member, and a rotatable contact member within the casing and engaging the fixed contact member in successive order.

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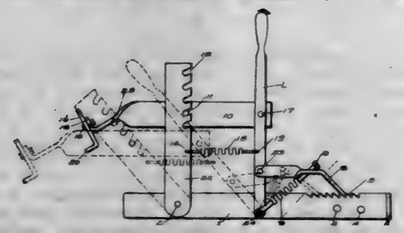
1,566,527. BRAKE-PEDAL-HOLDING DEVICE. EDWARD J. DUEMER, Los Angeles, Calif. Filed Feb. 16, 1925. Serial No. 9,486. 8 Claims. (Cl. 74—81.)



1. In a brake pedal holding device, in combination, a base, a hand lever pivoted to said base, a spring-pressed pawl and ratchet means associated with said lever and said base, a retarding member also pivoted to said base, a cross bar pivoted to said lever, a pin on said cross bar, said retarding member being provided with means for engaging said pin, a spring associated with said lever and said retarding member, and pedal engaging means associated with said cross bar.

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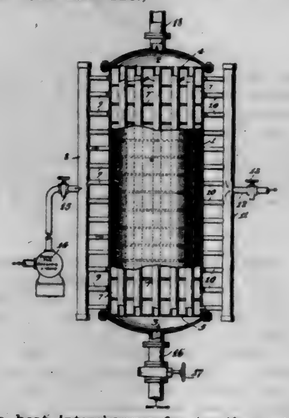
1,566,528. HEAT INTERCHANGER. GUSTAV EGLOFF, Independence, Kans., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Jan. 6, 1921. Serial No. 435,321. 2 Claims. (Cl. 257—224.)



1. In a heat interchanger for treating petroleum oils and vapors, comprising a main body portion, a plurality of vertically arranged tubes positioned within the main body portion, means for passing oil through said tubes, said main body portion being provided with a plurality of transversely extending partition members forming a multiplicity of closed fluid receiving chambers, and means for individually passing oil through each of said chambers transversely to the flow of oil through said vertically arranged tubes.

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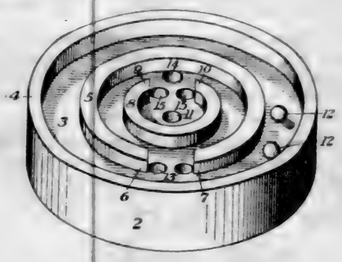
1,566,529. PUZZLE. GEORGE E. A. FAIRLEY, Pittsburgh, Pa. Filed Apr. 10, 1925. Serial No. 22,206. 9 Claims. (Cl. 273—108.)



1. A puzzle, including an iron surface projectile member, and an iron barrier member, at least one of said members being magnetized, substantially as described.

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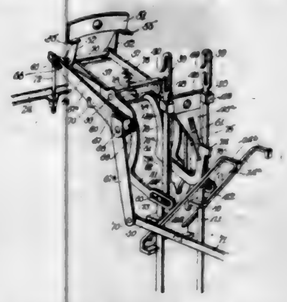
1,566,530. TYPEWRITER. MAX GARBELL, Chicago, Ill., assignor, by mesne assignments, to O. D. Jennings & Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 31, 1921. Serial No. 441,157. 12 Claims. (Cl. 197—155.)



1. In a typewriter having a main frame, a platen, platen carriage, carriage support, type bars provided with a plurality of spaced printing type characters thereon, means for effecting a relative case shift between the type bars and the platen to accord with different printing positions, and an inking ribbon; the combination with a ribbon vibrator; of a vibrator lever; a support pivoted to the main frame and to which the vibrator lever is pivoted, said support being automatically positioned in accordance with the relative case shift positions of the platen and type bars; an operating lever pivotally connected to the vibrator lever, the pivotal axis of said operating lever being substantially in alinement with the pivotal axis of said support whereby the relative normal positions of the vibrator and platen remain substantially constant in all case shift positions; and means for actuating said operating lever.

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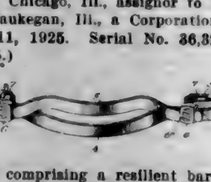
1,566,531. PISTON RING. CHARLES H. GERSTING, Buffalo, N. Y. Filed Jan. 5, 1924. Serial No. 684,658. 1 Claim. (Cl. 74—109.)

In combination: a piston provided with a piston ring groove; a relatively low friction soft non-resilient outer ring disposed in said groove, provided on its outer face with a central annular recess extending the entire periphery of said ring, and provided with a plurality of apertures leading from said recess to the inner face of said ring; and a highly resilient split inner ring disposed in said groove with its outer face engaging the inner



face of said outer ring, effective to hold said outer ring in contact with the cylinder wall, and provided on its outer face with a single central annular recess lying in communication with the inner ends of all of said apertures and extending the entire periphery of said inner ring.

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1,566,532. PISTON RING. CHARLES H. GERSTING, Buffalo, N. Y. Filed Jan. 7, 1925. Serial No. 953. 1 Claim. (Cl. 74—109.)

In combination: a piston provided with a piston ring groove; a relatively low friction soft non-resilient outer ring disposed in said groove, provided on its outer face with a central annular series of elongated recesses extending the entire periphery of said ring, and provided with a plurality of apertures one opening from each of said recesses to the inner face of said ring; and a highly resilient split inner ring disposed in said groove with the marginal parts of its outer face engaging the two edge portions of the inner face of said outer ring, effective to hold said outer ring in contact with the cylinder wall, and provided on its outer face between said marginal parts with a single central annular recess lying in communication with the inner ends of all of said apertures and extending the entire periphery of said inner ring.

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1,566,533. AUTOMOBILE BUMPER. WILLIAM J. GROTENHUIS, Chicago, Ill., assignor to Bifex Products Company, Waukegan, Ill., a Corporation of Delaware. Filed June 11, 1925. Serial No. 36,327. 6 Claims. (Cl. 293—55.)



1. A bumper comprising a resilient bar bent to form an impact section having looped ends and rearwardly disposed arms terminating inwardly from the ends of the bumper, and resilient reinforcing members extending transversely between, and connected at their ends to said arms and said impact section inwardly from the ends of the bumper and adapted for adjustment longitudinally therebetween.



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1,566,534. ALLOY AND ARTICLE PARTIALLY COMPOSED OF SAME AND PROCESS FOR PRODUCING THE ALLOY. ERNST HAAGN, Hanau-on-the-Main, Germany, assignor to The Corporation of W. C. Heraeus, Gesellschaft mit beschränkter Haftung, Hanau-on-the-Main, Germany. Filed Aug. 21, 1924. Serial No. 733,439. 4 Claims. (Cl. 75—1.)

1. An alloy consisting of 80–90% of tungsten, 10–17% of platinum and 1–3% of iridium.

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1,566,535. WASHBOARD. WILLIAM T. HODGEN, Campbellsville, Ky. Filed Feb. 20, 1924. Serial No. 694,068. 1 Claim. (Cl. 68—29.)

A washboard, including a substantially U-shaped frame having a rubbing surface extending thereacross, and a brand board having its lower end secured to the upper end of said rubbing surface and extending transversely thereof, the upper end of the brand board extending transversely of the bight portion of the frame and beyond and at right angles to the plane of the face of the washboard, said brand board being secured to said bight portion and having its side edges secured to the side members of the frame between the said bight and the upper end of the rubbing surface.

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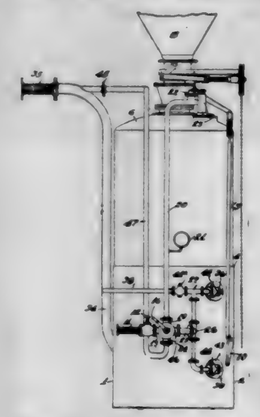
1,566,536. TRANSPORT SYSTEM FOR PULVERIZED COAL. FRITZ HOVING, Chicago, Ill., assignor, by mesne assignments, to Raymond Bros. Engineering Co., Chicago, Ill., a Corporation of Illinois. Filed May 22, 1922. Serial No. 562,853. 7 Claims. (Cl. 302—53.)



1. In combination, a tank, means for admitting powdered fuel to said tank, a source of supply of compressed air, a control valve, a connection from the source of compressed air to said control valve, a connection from the upper part of the tank to said control valve, a delivery line, a connection from the lower part of the tank to the delivery line, a connection from said control

valve to said delivery line, and branch connections leading from said control valve to various entrance points in said tank, said control valve having ports whereby in one position of said valve compressed air is introduced into the tank at various points and in another position of said control valve the interior of said tank above the fuel therein is connected to said delivery line, said control valve in the latter position also connecting said source of compressed air to said delivery line, the last named connection including a restricted passage through said control valve.

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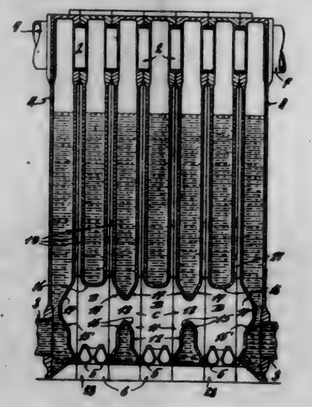
1,566,537. BOILER. EDWIN A. JONES, St. Louis, Mo., and HUBERT L. WHITELAW, Chicago, Ill., assignors to Jesse M. Williams, Webster Groves, Mo. Filed May 20, 1921. Serial No. 471,190. 11 Claims. (Cl. 122—228.)



9. A sectional boiler comprising hollow boiler sections adapted to receive the liquid to be heated, said hollow sections including an intermediate boiler section recessed to form top and end walls of a combustion chamber, a pair of boiler sections between which said intermediate section is interposed, said pair of sections having oppositely disposed side walls exposed in the upper portion of the combustion chamber and converging toward the top of said combustion chamber, said oppositely disposed side walls having lower portions converging toward the lower portion of said combustion chamber, said intermediate boiler section being separated from said pair of sections to provide two vertical flues leading from the first mentioned converging side walls, and a gas burner located in the lower portion of said combustion chamber.

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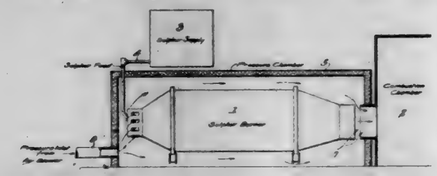
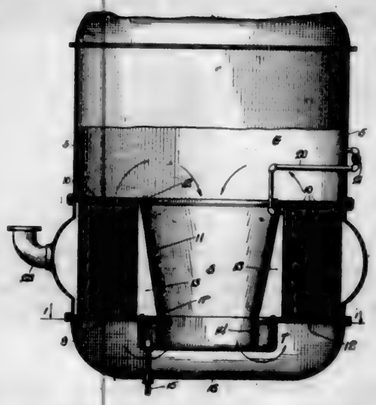
1,566,538. SULPHUR BURNER. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 26, 1924. Serial No. 758,221. 3 Claims. (Cl. 23—278.)



1. A sulphur burner comprising a receptacle for sulphur to be burned, having an air inlet opening and a gas discharge opening, a chamber enclosing said receptacle having an air inlet opening and a gas discharge opening, and means for delivering air under superatmospheric pressure into said chamber through its air inlet opening.

1,566,539. EVAPORATOR. MARTIN J. KERMER, Evanston, Ill. Filed Aug. 15, 1923. Serial No. 657,501. 4 Claims. (Cl. 159—27.)



1. An evaporator comprising a casing containing an evaporating chamber; a deck containing tubes connecting parts of the evaporating chamber separated by the deck; a steam chamber in the deck containing the tubes and separated from the evaporating chamber; a trough in the steam chamber fully open to said steam chamber for conducting water through the steam chamber and located below the tubes and means for forcibly projecting and directing the water thru the trough.

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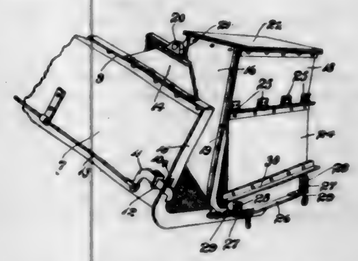
1,566,540. DUMPING-BODY CONSTRUCTION. ALONZO KETCHAM, Detroit, Mich., assignor to Wood Hydraulic Hoist and Body Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 24, 1924. Serial No. 701,268. 10 Claims. (Cl. 298—8.)



3. In combination with a tiltable truck body having an open rear end, of a receptacle positioned vertically in the rear end of the body, means for mounting the receptacle on a horizontal axis to turn with respect to the body, a movable closure for the receptacle at the back thereof, and means for latching the receptacle to the body in position for the receptacle to make a closure for the rear end of the body.

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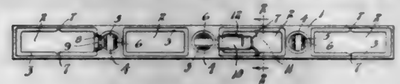
1,566,541. ELECTRIC-LIGHT ATTACHMENT FOR LEVELS. JAMES C. KIRBY, Minneapolis, Minn. Filed Oct. 10, 1923. Serial No. 667,668. 3 Claims. (Cl. 240—6.4.)

1. A level comprising a substantially rectangular bar having a pocket therein, a bubble-containing tube in said pocket visible from the exterior of said bar, a passage leading from said pocket longitudinally of said bar, said bar having openings therethrough, a recess in



the end of one of said openings with which said passage communicates, grooves in the sides of said opening, and a flash light casing having one end disposed in said

recess and carrying means engaging in said grooves and carrying a lamp whereby light is directed into said passage and pocket to illuminate said tube.

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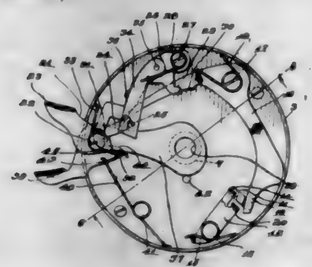
1,566,542. PHOTOGRAPHIC SHUTTER. RUDOLPH KLEIN, Rochester, N. Y., assignor to Ilex Optical Company, Rochester, N. Y., a Corporation of New York. Filed July 16, 1924. Serial No. 726,344. 8 Claims. (Cl. 95—62.)



1. A photographic shutter having a main exposure aperture, a blade having an exposure aperture of smaller size than the main exposure aperture and adapted to reduce the size of the main exposure aperture, shutter blades controlling said apertures, operating mechanism for the shutter blades, detaining means for said operating mechanism for obtaining time exposure, and controlling means for the exposure blade, having connection with the detaining means for holding the latter out of cooperation with the shutter operating mechanism when the exposure blade is shifted out of cooperation with the main exposure aperture.

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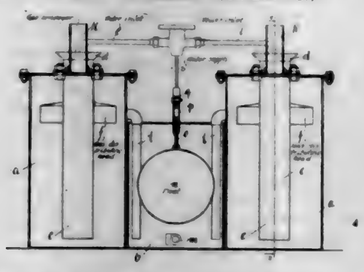
1,566,543. ELECTROLYTIC CELL. ALBERT EDGAR KNOWLES, Heswall, England. Filed Apr. 3, 1924. Serial No. 704,009. 6 Claims. (Cl. 204—5.)



1. Means for automatically maintaining the liquid level in electrolytic cells and for washing the gas evolved therein, comprising liquid containing means, a valve through which liquid is supplied to the said means, means for leading gas into the said containing means below the surface of the liquid therein, an outlet for the gas, a tank, a float in the said tank controlling the said valve for the liquid supply, means for conveying liquid from the said containing means to the said tank, and means for distributing liquid from the said tank to the electrolytic cells.



1,566,544. MOP HEAD. CHARLES E. KREBS, Chicago, Ill. Filed Jan. 26, 1925. Serial No. 4,692. 3 Claims. (Cl. 15—229.)

1. A mophead composed of a grouped plurality of separate lengths of absorbent material, each separate length of material having interlaced strands at its exterior portion, arranged to prevent rapid disintegration of said separate length of absorbent material.

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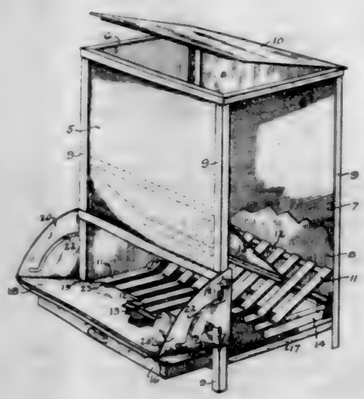
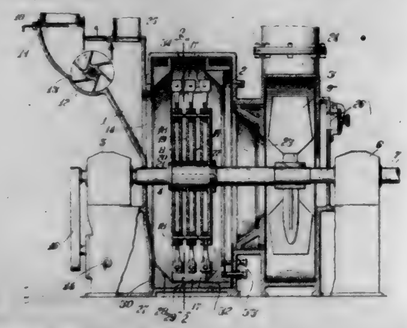
1,566,545. VEGETABLE BIN. AUGUST B. LARSON, Indianapolis, Ind. Filed Jan. 12, 1925. Serial No. 1,760. 3 Claims. (Cl. 211—6.)



3. In a bin open at the bottom and top and having a side opening, a slatted platform forming the bottom of the bin, said platform being inclined upwardly toward the back and having a horizontal section projecting to the lower edge of the side opening, a baffle above and directed toward the inclined end of the platform, a removable pan below the platform, a door for said side opening having an inwardly extending apron resting on said platform when in an opened position, vertically extending ends of said door, door supporting pins on said bin, said door ends each having a cam slot therethrough engaging said pins and said cam slots being formed with a central section to permit the door being passed from one position to another, and having an extended slot from each end of the central slot to cause the door to be dropped downwardly as a locking means in both opened and closed positions, and said door apron extending over one end of said pan as a pan locking means when the door is in a closed position.

1,566,546. PULVERIZING MILL. CHRISTIAN M. LAURITZEN, Chicago, and WILLIAM H. VOGEL, Highland Park, Ill., assignors to Raymond Brothers Impact Pulverizer Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 2, 1925. Serial No. 12,639. 28 Claims. (Cl. 83—11.)



1. A pulverizing mill comprising a substantially cylindrical beater chamber, a plurality of hammers mounted to revolve within the chamber, about the axis of the chamber, and annular means mounted within the chamber adjacent the sides of the zone within which the hammers operate, for directing material thrown thereagainst, back into the path of the hammers.

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1,566,547. VIBRATOR. AUGUST F. LUZZI, Houston, Tex., assignor to Milton B. McLean. Filed May 12, 1925. Serial No. 29,674. 3 Claims. (Cl. 128—55.)

1. A vibrator including a U-shaped frame, an anchor with which the frame is connected, a bridge connecting the arms of said frame, a bearing carried by the frame, a shaft having an eccentric wrist which works in said bearing, a massaging member formed of yieldable material into which the free ends of the frame arms are inserted so as to leave a yieldable free portion at the outer end of said messaging member.

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1,566,548. ABDOMINAL SUPPORTER. JOSEPH McDERMOTT, Toledo, Ohio. Filed May 10, 1924. Serial No. 712,464. 2 Claims. (Cl. 128—96.)

1. An abdominal support comprising a continuous integral body embracing supporting wire with the body embracing portions thereof each terminating in two reverse backward bends and then connected, whereby the bends provide a pair of oppositely extending supporting portions doubled back from the proximate portion of the body embracing portions.

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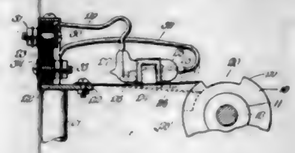
1,566,549. CIRCUIT-CONTROLLING DEVICE. JAMES M. McMEEN, Westmont, Ill., assignor of one-third to William F. Abbott, Glen Ellyn, Ill. Filed June 19, 1924. Serial No. 721,067. 1 Claim. (Cl. 200—82.)

A circuit controlling device having a movable finger; a spring clip mounted on the finger; a cylindrical casing held on the finger by the clip and arranged to be reversed end for end in the clip; a pair of circuit wires terminating within the cylinder and near one end thereof; a globule of mercury within the casing adapted to close and to open a circuit between said wire terminals; and



a rotatable cam, upon which the free end of the finger normally rests, having a cutaway part, operable to change the altitude of said end of the finger to control said circuit.

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1,566,550. RAILROAD TIE. JAMES E. McWILLIAM, North Oxford, Mass. Filed Jan. 16, 1925. Serial No. 2,936. 3 Claims. (Cl. 238—84.)

1. As an article of manufacture, a railroad tie consisting of cement and pieces of wood cut up into short lengths mixed intimately with the cement and located throughout the body thereof in the finished article with the grain extending in all directions therein.

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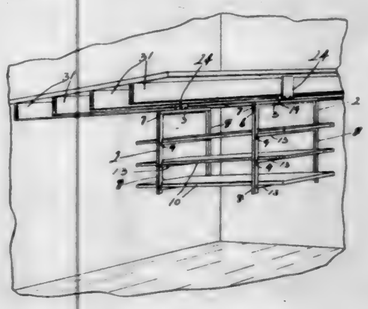
1,566,551. SHELF AND SUPPORT THEREFOR. THOMAS A. MA GHRAND, Philadelphia, Pa. Filed Sept. 13, 1923. Serial No. 662,396. 2 Claims. (Cl. 211—17.)



1. A shelf structure comprising, in combination, a plurality of frames each consisting of a cross bar, a headed pendant attaching member at each end of the cross bar and hangers provided with spaced rests and having slots at their upper ends, the lower portions of said slots terminating in enlarged recesses, said slots and their recesses adapted to register with the headed attaching members for detachably connecting the hangers to the cross bar, shelves engaging the rests of the different frames, a reach bar connected to the cross bars of said frame, and a clamp associated with said reach bar and including a pair of oppositely disposed plates, inwardly projecting prongs on said plates and means to move said plates toward each other.



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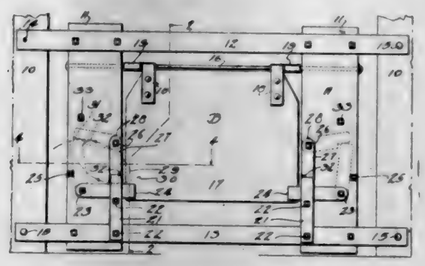
1,566,552. HOG GATE. JOHN A. MANSON and JOHN W. MACKLEM, Battle Creek, Iowa. Filed Nov. 15, 1924. Serial No. 750,179. 4 Claims. (Cl. 119—15.)



1. In a device of the class described, a gateway, a gate hinged at its upper edge in the gateway, stops pivoted on the gateway adapted to swing downwardly toward each other to substantially horizontal positions partially within the path of swing of the gate, keepers receiving the stops in such positions, and pawls pivoted above the keepers, adapted to swing to position locking the stops within the keepers.

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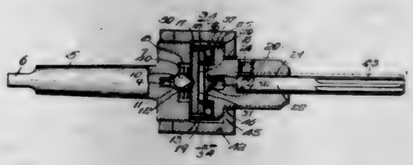
1,566,553. TOOL HOLDER. OLIVER P. MAISCH, Chicago, Ill., assignor to Scully Jones and Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 19, 1924. Serial No. 687,333. 3 Claims. (Cl. 279—16.)



1. In a tool holder, a driving shank having a head, said head having jaw means and an axial depression at its inner end, a driving member having jaw means for driving engagement with the jaw means on said shank and an axial centering depression, a ball member interposed between the shank and driving member and seated in said depressions, a coupling having driving engagement with and motion of translation relatively to said driving member, a collet having driving engagement with and motion of translation relative said coupling, anti-friction means between the driving member and collet, and an adjusting nut threaded upon the head of the driving shank and having an abutment cooperable with the collet.

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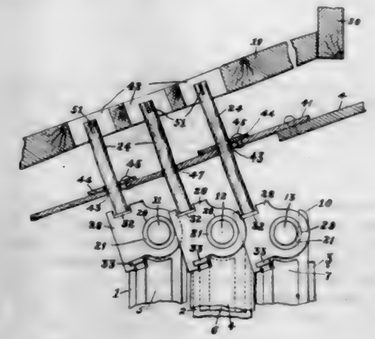
1,566,554. MOTOR VEHICLE. EDWARD J. MALONE, Jr., Montclair, N. J., assignor to Century Engineering Corporation, Newark, N. J., a Corporation of New Jersey. Filed Feb. 14, 1925. Serial No. 9,260. 12 Claims. (Cl. 188—196.)

1. A motor vehicle having a compartment for personal occupancy and a casing enclosing speed-controlling mechanism outside of said compartment, means to actuate said speed-controlling mechanism, and devices to adjust said actuating means, said adjusting devices extending through



said casing, and operating means for, and combined with, said adjusting devices and extending into position for operation from within the walls of said compartment.

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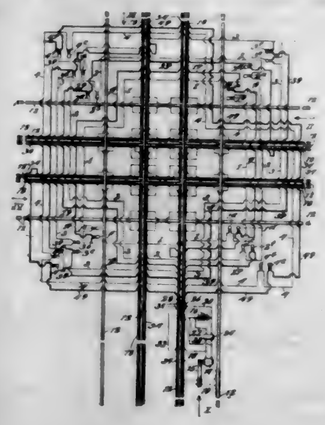
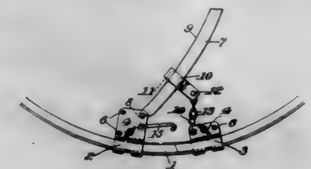
1,566,555. ELECTRIC SIGNALING SYSTEM FOR RAILROADS. JOHN J. MILLER, Chicago, Ill. Filed Aug. 9, 1922. Serial No. 580,678. 1 Claim. (Cl. 246—86.)



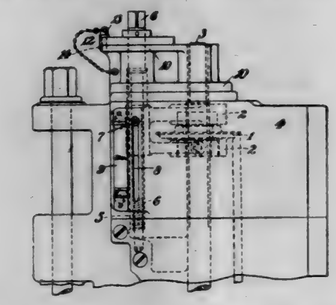
A railway grade crossing signaling system including a track, a third rail parallel with the track, a car adapted to move along the track, electrical generating means on the car and connected to said third rail and operated thereby when the car is in motion, a second third rail parallel to the first third rail, a storage battery in parallel connection with said generator and connected to said second third rail, and similar track and set of third rails crossing the first track, sets of signaling means located on each of said tracks, current conducting means connected to all of one set of said signaling means on one side of said tracks, the current conducting means being connected to one of the third rails and to one of the main rails of the track respectively, a second set of signaling means on said track adapted to be actuated by current directly from the generator and acting in conjunction with the first named signaling means and at practically same position along said track.

1,566,556. RIM REMOVER. MILTON HENRY NEWSPICKLE, York, Pa. Filed Mar. 17, 1923. Serial No. 625,821. 1 Claim. (Cl. 157—1.)



A device of the character described, including grips adapted to be secured to each end of a split rim, a supporting element upon one grip, a plurality of supporting elements on another grip, said elements being arranged in a plane radial to the axis of the rim, a lever handle having a hook shaped end engaging one of said supporting elements and readily detachable therefrom, said lever handle having a serrated upper edge, a slide on said lever handle adjustably engaging said serrated handle edge, a flexible member secured to the slide member and having a hook engaging one of said grips, movement of the handle about its pivot causing relative movement of the grips.

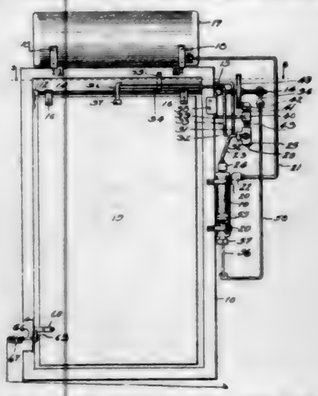
1,566,557. TRIMMING MECHANISM FOR CURVED-STEREOTYPE-PLATE-CASTING MACHINES. THOMAS ROBERT GILLETT PARKER, Altrincham, England, assignor to Linotype and Machinery Limited, London, England, a Company registered under the Limited Liability Company's Acts (1862 to 1900) of The British Imperial Parliament. Filed Jan. 26, 1924. Serial No. 688,640. 3 Claims. (Cl. 29—21.)



1. In plate-trimming mechanism of stereotype plate casting machines, the combination with a saw casing a saw shaft revoluble within said casing and a circular saw axially adjustable along that shaft for trimming plates of different widths, of a yoke movable in a direction parallel to the axis of the saw shaft and between the arms of which the saw is mounted, a screw shaft journalled in and rotatable from the exterior of the casing in threaded engagement with the yoke, a scale on the outside of the casing bearing indications of different operative positions of the saw, and a pointer attached to the yoke and projecting against said scale through a slot in the casing.

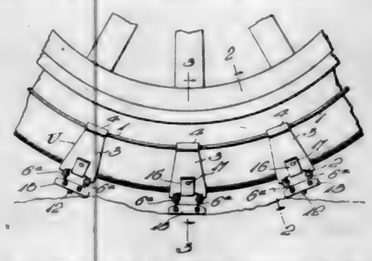
1,566,558. HOG OILER. THOMAS E. PECK and FRANK W. HARRISON, Sioux City, Iowa. Filed June 26, 1925. Serial No. 39,648. 8 Claims. (Cl. 119—159.)

1. In a hog oiler, a gateway, a gate hinged therein at its upper edge for swinging movement laterally of the gateway in either direction, an oil reservoir, a pair of oil discharge pipes having their discharge ends positioned one on either side of the gate, a two-way valve having a connection with the oil reservoir and with the discharge pipes, means controlled by the swinging of the gate for actuating said valve to allow flow of oil from



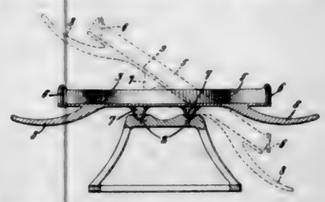
the reservoir to the discharge pipe away from the discharge end of which the gate is swung, and means actuated by the swinging of the gate to pump the oil from the reservoir to said two-way valve.

1,566,559. ANTISKIDDING ATTACHMENT. EDWARD J. PRIME, Groveland, Mass. Filed May 11, 1925. Serial No. 29,577. 3 Claims. (Cl. 152—14.)



1. A traction and non-skidding attachment for a vehicle wheel, comprising a band to surround the wheel, road grippers movably mounted at circumferentially spaced points on said band, and gripper-applying shoes movably mounted on the band and operatively connected with the grippers.

1,566,560. CHANGE TRAY. CHARLES DE WITT RADLIFF, San Francisco, Calif. Filed Nov. 30, 1923. Serial No. 677,874. 1 Claim. (Cl. 133—14.)

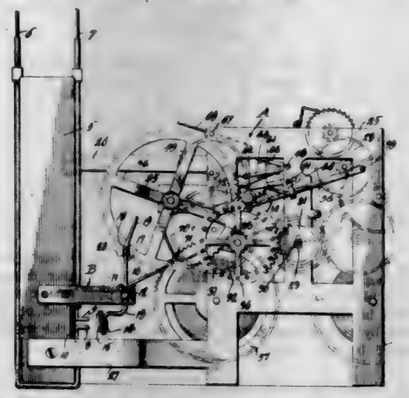


A change tray including a support having spaced sockets in the top thereof adjacent opposite ends, a tray removable bodily from the support and having oppositely extending outlet portions projecting beyond opposite ends



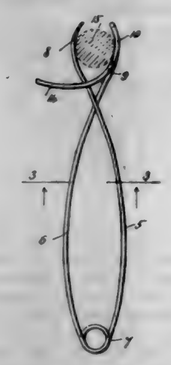
of the support, and projections extending downwardly from the tray and normally seated in the respective sockets to hold the tray in normal position, said projections constituting fulcrums for the tray when either end of the tray is raised or lowered relative to the support.

1,566,561. SWITCH OPERATOR. GEORGE F. RAUCH, Pukwana, S. Dak. Filed Apr. 22, 1924. Serial No. 708,300. 3 Claims. (Cl. 200—35.)



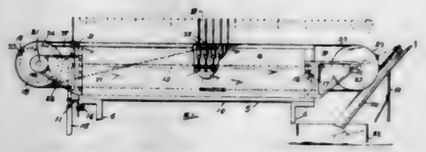
1. The combination with a switch including a pair of spaced contacts, of a switch lever, of means for automatically operating the switch lever, comprising a spring operated wheel, pins carried by said wheel for operating said switch lever, a trip lever, a time wheel operated from said time mechanism, removable pins carried by said time wheel for engaging and operating said trip lever, and a trip arm disposed in the path of and actuated by the trip lever for engaging said wheel for normally holding the same against movement.

1,566,562. HAND GRAPPLES. FRED RIEWE, Pottsville, Tex. Filed July 29, 1925. Serial No. 46,764. 1 Claim. (Cl. 294—99.)



A hand grapple, comprising a pair of opposed spring arms, one arm having a curved gripping jaw at its free end formed of two arcuate parts spaced apart and arranged parallel to each other, one of the said parts being provided with an extension which projects crosswise of the other arm, and the other arm being arranged opposite the space between the said arcuate parts and being provided with a curved gripping jaw having its free end portion flattened to overlap the said arcuate parts.

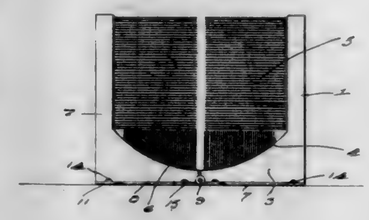
1,566,563. LAMP-STEM-ANNEALING MACHINE. FORREST URBAN ROSS, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed July 27, 1922. Serial No. 577,859. 12 Claims. (Cl. 49—47.)



1. An apparatus for annealing lamp-stems comprising a chamber, an opening disposed longitudinally of said chamber, means for creating a heat-zone within said chamber having a temperature gradient, means adjacent to said opening for automatically conveying stems through said zone and means for supporting stems with their flared portions bridging said opening.

12. An apparatus for annealing lamp-stems comprising a chamber having an aperture at one side thereof, means for creating a temperature gradient within said chamber, an automatically movable stem-support associated with said chamber adapted to engage with flare portions of stems to move them with their axial lines vertical and move the stems to subject portions thereof to said varying temperature within said chamber.

1,566,564. SHOE CLEANER. BUFORD L. BUCKER, Phoenix, Ariz. Filed June 19, 1925. Serial No. 38,262. 1 Claim. (Cl. 15—161.)

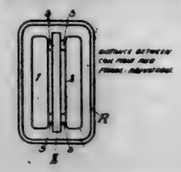


A shoe cleaner comprising a pair of opposed complementary brush heads of substantially L-shaped design, the base portion of each of said L-shaped brush heads having its upper face curved, bristles extending horizontally from the inner opposed faces of the arms of the L-shaped brush heads, additional bristles extending upwardly from the curved upper faces of the base portions of the L-shaped brush heads, securing means for said brush heads, said securing means comprising a pair of base plates secured to the bottom faces of the bases of the brush heads, the inner opposed ends of said base plates being hingedly secured together, said base plates being provided with means for securing the cleaner to a support.

1,566,565. METHOD OF EQUALIZING PAIRS OF SELF-INDUCTION COILS. EUGEN SCHÜRER, Cologne-Mulheim, Germany, assignor to Felten and Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Filed Mar. 28, 1922. Serial No. 547,494. 1 Claim. (Cl. 178—46.)

Apparatus for equalising the self-induction in the pair of coils for loading four wire telephone lines, comprising in combination a protective induction frame of magnetic material, an annular disc within said frame, two self-

induction coils also arranged within said frame, one on each side of the disc, and iron connectors between the poles of the coils and the disc, said coils being adapted



to be shifted towards one or the other of the longitudinal sides of the frame, whereby the two amounts of duplex self-induction of the pairs of coils can be equalized.

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1,566,566. RUBBER CEMENT. BENJAMIN P. TAYLOR, Wyoming, Ohio, assignor to Taylorall, Inc., Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 5, 1924. Serial No. 704,490. 19 Claims. (Cl. 87—17.)

14. A new composition of matter characterized by adhesive properties the constituting components of which are caoutchouc latex and furfural constituting a body having the property of incorporating a suitable rubber stabilizer therewith, and a rubber stabilizer.

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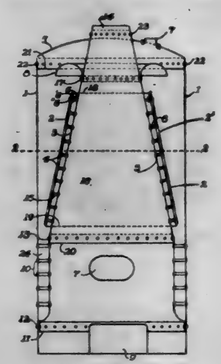
1,566,567. VERTICAL STEAM BOILER. HENRY E. WALLIS, Chicago, Ill., assignor of one-third to A. G. Bush, Davenport, Iowa. Filed May 29, 1922. Serial No. 564,548. 4 Claims. (Cl. 122—159.)



1. In a steam boiler of the vertical type, the combination with a section of the inner shell in the form of a cone frustum, of a skirt sheet of corresponding form secured in position around such portion of the inner shell at a uniform distance, a plurality of longitudinal flanges formed upon the skirt sheet and forming stiffening and strengthening ribs therefor, and staybolts securing the skirt sheet to the inner shell and which cooperate with the skirt sheet to reinforce the inner shell.

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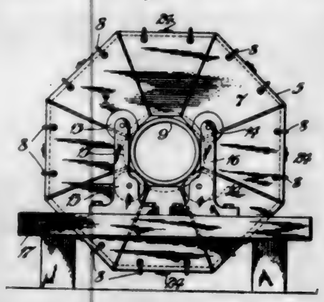
1,566,568. APPARATUS FOR FORMING CONCRETE SLABS. RALPH WILLIAMS, Richmond, Australia. Filed Dec. 1, 1924. Serial No. 753,262. 2 Claims. (Cl. 20—45.)

1. Apparatus for forming concrete slabs and the like for architectural and constructional purposes, comprising, a rotatable hollow element, a plate on one end of the element, a boss and stub axle carried by the plate, a bearing and support for the axle, a drive pulley on the axle, a plurality of hinged doors on the other end of the element permitting free access to the interior of the element, a feed drum disposed in the element and having one end projecting outside the element, a flange on the drum, rollers supporting the projecting end of the drum, reinforcing means interconnecting the flanges and the element, angular flanges in the element, a plurality of



moulds formed to be positioned on the inner surface of the element and held in position by the angular flanges, and a plurality of feed openings in that part of the drum which is within the cylinder for permitting feed of material by centrifugal force, from the drum to the moulds carried by the element.

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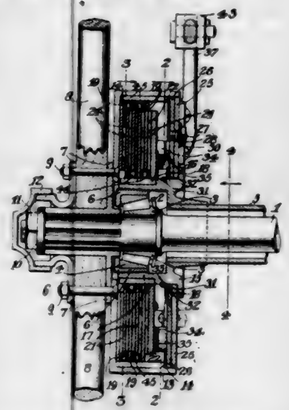
1,566,569. AUTOMOBILE BRAKE. ALBERT ANDERSON, Tottenville, N. Y. Filed Mar. 20, 1922. Serial No. 545,139. 12 Claims. (Cl. 188—72.)



1. An automobile brake comprising, with a wheel and a relatively fixed brake hub, an annular brake drum mounted to turn with the wheel, an annular disc next to the drum and keyed thereto, an intermediate disc slidably keyed to the hub, an annular brake lining loosely mounted between the two discs, an operating disc having a limited revolving movement on the hub, pressure means between the operating disc and the intermediate disc and means to turn the operating disc to press the keyed discs and the brake lining together against the drum.

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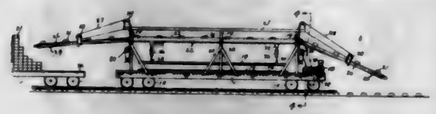
1,566,570. TRACKLAYING MACHINE. LOUIS D. APP, Scappoose, Oreg. Filed Sept. 2, 1924. Serial No. 735,490. 3 Claims. (Cl. 104—5.)

1. A track-laying machine having, in combination, a flat car having a longitudinal rail raceway formed in its deck; live rail-carrying rolls in said raceway; gearing



for driving said rolls; hoists for lifting rails from said rolls to the deck of said car; a conveyor over said rails adapted to carry ties transversely with said raceway; an extension conveyor hinged to each end of said first mentioned tie conveyor; means for adjusting the height



of the swinging ends of said extensions; an internal combustion engine for driving said rolls and conveyors and for propelling said flat car; and having vehicles for supplying rails and ties to the receiving end of said machine.

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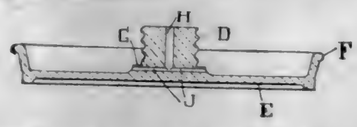
1,566,571. DRINKING FOUNTAIN FOR BIRDS OR DOMESTIC ANIMALS. JOSEPH APPLETON, St. Helens, England. Filed Oct. 2, 1922. Serial No. 591,859. 1 Claim. (Cl. 119—77.)




A liquid supply vessel of the bird fountain type comprising a tall glass jar, a single internally threaded neck on the bottom of said jar, a concave externally flanged glass dish adapted to contain liquid and an externally threaded vertical glass boss integral with and central within said disk and having radial and axial channels for the passage of fluid.

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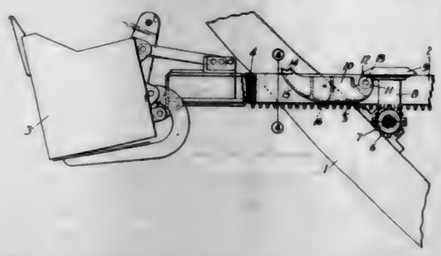
1,566,572. SPACER FOR DIPPER HANDLES. HARLEY J. ARMSTRONG, Seattle, Wash., assignor to The Marion Steam Shovel Company, Marion, Ohio, a Corporation of Ohio. Filed Oct. 1, 1925. Serial No. 59,901. 8 Claims. (Cl. 214—145.)



1. In a mechanism of the character described, the combination with a boom comprising two members spaced apart, and a dipper handle extending between said boom members, capable of longitudinal movement and comprising two members spaced apart, of a spacer interposed between those portions of the handle members which lie between the two boom members and held against movement with said handle.

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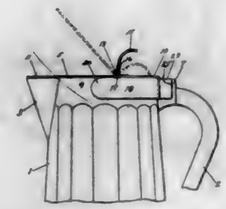
1,566,573. LIQUID CONTAINER AND TOP THEREFOR. CHARLES S. BARON, Tiffin, Ohio. Filed May 29, 1924. Serial No. 716,691. 1 Claim. (Cl. 215—63.)

A container comprising a body having an exterior lateral projection adjacent its upper end, a relatively stationary cover section having a depending marginal skirt, of substantially U-shape, embracing the body, a substantially T-shaped slit being formed in said skirt and extending through the lower edge thereof and the portions separated from the body of the skirt by said slit being



bent outward to provide two members, separated throughout their length, engaging opposite sides of said projection on the container body, and a movable cover section hinged to said stationary section.

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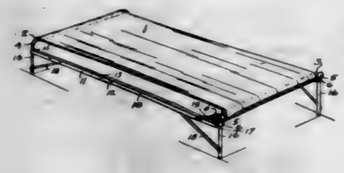
1,566,574. KNOCKDOWN CAMP BED. PAUL W. BERG, Tacoma, Wash. Filed Mar. 8, 1924. Serial No. 697,860. 1 Claim. (Cl. 5—114.)



In a knock-down bed, the combination of two vertically foldable side bars; four legs positioned at the ends of said side bars; two radius bars of different lengths swingably attached at their ends to the side bars and to each of the legs, whereby the legs may be swung into operative position at right angles to said side bars at the ends thereof or swung back against and substantially parallel thereto; a cross bar formed with downturned sockets at its ends, said sockets removably fitting over the upper ends of two of said legs; a cross shaft rotatably mounted in fittings having sockets removably fitting over the other two of said legs; removable means for securing one said fitting to said leg; a fabric secured to said cross bar and said cross shaft; a ratchet wheel mounted on the end of said cross shaft adjacent said secured fitting; and a ratchet dog mounted on the side bar adjacent said ratchet wheel and engaging the teeth thereof, whereby when the shaft is rotated to wind up and tighten the fabric, the dog will hold it in tightened condition.

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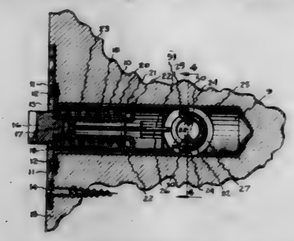
1,566,575. CYLINDRICAL-SHELL MORTISE KNOB LOCK. FRANK ELLISON BEST, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed July 23, 1923. Serial No. 653,290. 5 Claims. (Cl. 70—91.)

1. A lock of the class described embodying a cylindrical latch housing, a bolt operating member in said latch housing, a bolt secured to said bolt operating member, shoulders formed at the rear end of said bolt operating member, a tubular knob shank extending crosswise of the rear end of said bolt operating member oppositely disposed lugs protruding from said knob shank, the walls of said knob shank being cut away between said lugs on the forward side, a rotatable locking member in said

knob shank, lock controlled means for positioning said locking member in said knob shank, yielding means for holding said locking member in a fixed position in said



knob shank, and a locking tongue on said bolt arranged to project through the opening in said knob shank and to engage with said locking member when said locking member is in a locked position.

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1,566,576. POLISH. BERT BUHR, Sumner, Iowa. Filed Sept. 9, 1924. Serial No. 736,787. 3 Claims. (Cl. 134—24.)

1. A polish of the class described consisting of linseed oil, gasoline and skunk oil.

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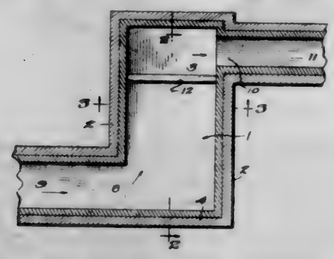
1,566,577. COMBUSTION CHAMBER FOR INCINERATORS. HOWARD E. BURNS, Dallas, Tex. Filed Aug. 24, 1925. Serial No. 52,016. 2 Claims. (Cl. 110—82.)



1. In a device of the character described, a supplementary combustion chamber having side walls and front and rear walls, said combustion chamber being provided with an inlet opening arranged in one of said side walls adjacent the front thereof and adapted to communicate with a furnace, said combustion chamber being further provided with an outlet opening arranged in the other side wall adjacent the rear and extending upwardly from the bottom of said chamber to a point spaced from the top thereof, and a baffle wall arranged transversely of said combustion chamber intermediate said openings and extending upwardly from the bottom of said combustion chamber to a point substantially in horizontal alinement with the top of said outlet opening.

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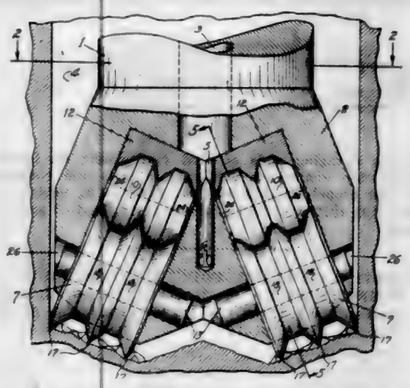
1,566,578. DRILL. ANTHONY E. CARLSON, Los Angeles, Calif. Filed Dec. 26, 1922. Serial No. 608,913. 7 Claims. (Cl. 255—71.)

4. In a drill, a head, a rotary cutter journaled in the lower end of said head, a bearing block detachably mounted in said head and provided with a bearing recess in its lower side, and a roller fitting in said recess, against the lower side of which roller the upper side of said cutter bears.

7. In a drill, a head, a pair of rotary cutters formed with annular spaced cutting edges, said cutters being journaled in the lower end of said head with their axes inclined downwardly from the axis of the head and with the inner cutting edges of the cutters adjacent each other at their lower sides at the axis of the head, a second pair of rotary cutters formed with spaced annular



cutting edges, said latter cutters being journaled in the lower part of the head with their axes inclining upwardly from the axis of the head and with their inner cutting edges adapted to circumscribe a circle adjacent the outermost cutting edges of the first pair of cutters.

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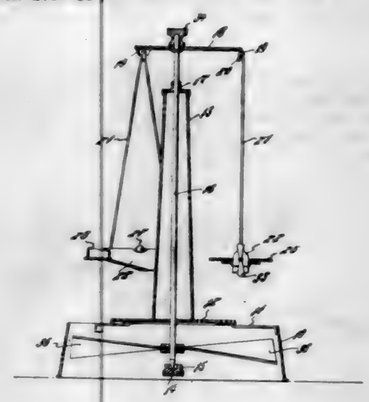
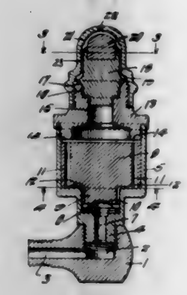
1,566,579. TOY. HENRY CLAUS, East Northport, N. Y. Filed July 17, 1925. Serial No. 44,305. 1 Claim. (Cl. 272—31.)



A toy of the character described comprising a hollow base, a beam mounted within the base and including a centrally disposed cup bearing intermediate its length and upon its upper side, a disk supported upon the upper portion of the base, a tower extending vertically and centrally above and connected to the disk a vertically disposed shaft extending within the disk and having its lower free end journaled within the cup bearing carried by the beam, a triangular plate carried by the upper free end of the vertically disposed shaft and having its respective corners in downwardly disposed apertured ears, supporting arms formed from lengths of wire and forming looped portions intermediate their length and pivotally secured within the apertured ears, a plurality of radially disposed fan blades fixed to the vertically disposed shaft within the base, and objects in the form of minature airplanes suspended and carried by the lower free ends of the supporting arms.



1,566,580. AIR VALVE FOR RADIATORS. WILLIAM J. COOK, Charlotte, N. C. Filed Apr. 2, 1925. Serial No. 20,178. 3 Claims. (Cl. 137—122.)



3. In a radiator air valve, the combination of an air valve base, a cup-like casing mounted on the base, said casing having a passage in communication with the passage through the air valve base, a float seated in the aforesaid casing, a cover detachably secured to the casing and positioned in spaced relation to the float, said cover having a passage therethrough, a cap detachably secured to the cover, the cap having an opening therethrough, an upper float member contained within the cap and seated on the cover member, the aforesaid upper float having a soft metal packing member mounted thereon and positioned to seal the opening in the cap when there is sufficient pressure in the valve to raise the upper float.

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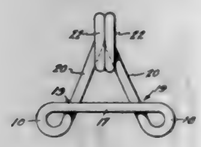
1,566,581. TIRE-CHAIN SIDE LINK. CORDIE S. COORDES, Hartley, Iowa. Filed July 24, 1925. Serial No. 45,746. 4 Claims. (Cl. 24—237.)



1. A tire chain side link to be used in a tire having cross chains and side chains, said link comprising an intermediate portion adapted to lie longitudinally of the side chains and to form a part thereof, a closed side chain loop at either extremity of the intermediate portion, for the reception of side chain connecting links, cross chain arms forming continuations of said side chain loops and converging together laterally of the intermediate portion, and cross chain loops formed at the ends of said cross chain arms, the side link having generally the shape of a triangle with the loops at the vertices thereof and the cross chain arms and intermediate portion forming sides thereof and disposed substantially in the direct lines of strain between the loops when the link is subjected to diverging stresses applied to said loops.

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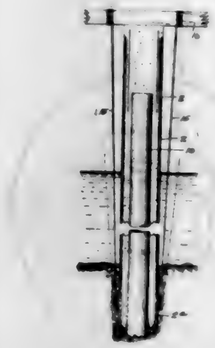
1,566,582. CONCRETE-INCASED PILE. CARLOS E. CORTES, Martinez, Calif. Filed Feb. 20, 1922. Serial No. 537,702. 2 Claims. (Cl. 20—100.)

1. In a protective covering for a pile, a concrete cylinder provided on its lower edge with an inwardly extending flange having an inclined upper surface, an annular metallic element, V-shaped in cross section



engaging said surface and adapted to partially close the joint between the pile and the cylinder and a canvas gasket engaging said element and sealing said joint.

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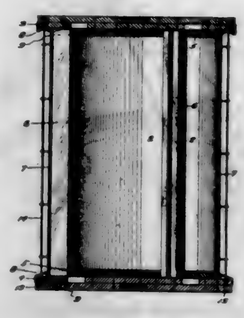
1,566,583. CONCRETE FORM. CARLOS E. CORTES, Martinez, Calif. Filed May 10, 1922. Serial No. 559,706. 6 Claims. (Cl. 25—128.)



2. A collapsible concrete form comprising end plates having marginal mold sections having holes therein, a collapsible core disposed between said end plates and behind said marginal sections, the surfaces of the marginal sections and the core being contiguous, means connecting the core and the end plates to hold the core in expanded position and reinforcement overlying the surface of the core and having members extending through the holes in the marginal sections.

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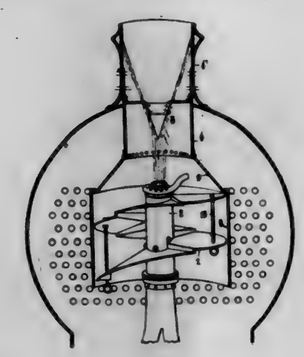
1,566,584. SPARK-EXTINGUISHING APPARATUS. VICTOR DALLEMAGNE, Paris, France. Filed Aug. 28, 1923. Serial No. 659,792. 5 Claims. (Cl. 110—168.)

1. A spark extinguisher, comprising a baffle adapted to be mounted on the exhaust pipe of a locomotive, a frusto-conical member located above the baffle and adapted to be attached to the stack of the locomotive, said member having an annular circumferential track at its lower

end, and an open-ended drum located below the frusto-conical member and enclosing the baffle, said drum having a continuous lateral flange or rim at its upper end provided with roller-carrying members engaged with said track to suspend the drum therefrom.



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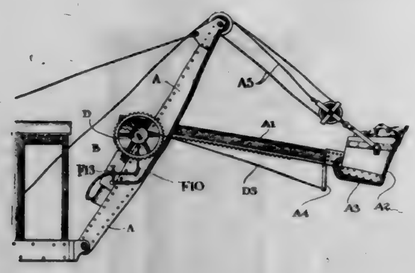
1,566,585. POWER SHOVEL AND DREDGE. GEORGE R. DEMPSTER, Knoxville, Tenn. Filed Jan. 20, 1922. Serial No. 530,627. 11 Claims. (Cl. 214—146.)




1. In an apparatus of the kind described, the combination with a dipper-supporting structure comprising a boom and a dipper stick shiftable endwise on said boom, and a dipper supported on said stick and comprising a closing member to be released for discharging the load, and rotary means for shifting the dipper stick endwise on the boom, of a cable having one end in operative relation with said closing member, means concentric with the axis of said shifting means for taking up and paying out said cable approximately synchronously with the endwise movements of the dipper stick, and an operator-controlled motor concentric with said axis for pulling said cable for actuating said closing member, substantially as described.

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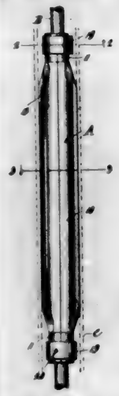
1,566,586. SUCKER-ROD GUIDE. JACK C. DODSON, Mexia, Tex., assignor to Mexia Planing Mill Company, a Copartnership composed of L. J. Ingram, Jack Dodson, and John W. Swann. Filed Sept. 11, 1923. Serial No. 662,144. 6 Claims. (Cl. 308—4.)

5. A guide for sucker rods comprising a cylindrical body having a longitudinal bore intersecting opposite ends of the body, said body having reduced end portions with annular shoulders at the bases of the reduced end portions, said body being divided into longitudinal sections, and a clamping device embracing each reduced end portion for clamping the same upon a sucker rod.



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1,566,587. PROCESS OF SLAKING LIME INTO LIME PUTTY. DAVID A. EVANS, Kansas City, Mo., assignor, by mesne assignments, of fifty-one one-hundredths to The Evans Lime Putty Company, Kansas City, Kans., a Corporation of Kansas. Filed Dec. 1, 1924. Serial No. 753,179. 4 Claims. (Cl. 23—188.)

3. The process of curing lime putty which consists in allowing water to settle through the putty mass, and filtering the excess water as it discharges from the bottom of the mass.

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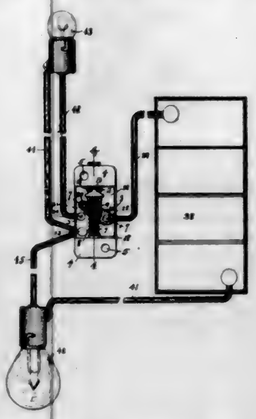
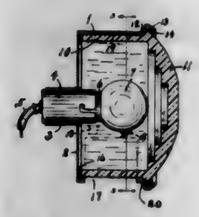
1,566,588. SWITCH. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds and Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Oct. 21, 1922. Serial No. 595,993. 11 Claims. (Cl. 200—59.)



1. A switch comprising a slidable stem and supports therefor, an insulating plate parallel to the line of said stem, a pivot and two stationary contacts carried by the plate, a movable contact mounted on the pivot, an arm on the stem and a pin at the end of the arm engaging in a hole in the movable contact, and a spring to return the stem to normal position and to press the movable contact against said plate.



1,566,589. TAIL LAMP. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds and Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Nov. 17, 1922. Serial No. 601,497. 1 Claim. (Cl. 240—803.)



In a lamp, a glass member comprising in integral formation a lens and a tubular wall portion, a metal shell housing the said wall portion and having a bore larger than the outside diameter of the said wall portion, the metal shell having a window opening therein, and a light reflecting band disposed between the metal shell and the tubular wall portion, on the side of the lamp opposite the window opening.

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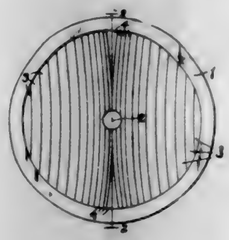
1,566,590. REFLECTOR. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds and Jones Corporation, Detroit, Mich., a Corporation of New York. Original application filed May 8, 1922. Serial No. 559,204. Divided and this application filed May 3, 1924. Serial No. 710,770. 10 Claims. (Cl. 240—41.)



1. A paraboloidal reflector composed of a group of panels on each side of the center of the reflector, the panels on each side of the center of the reflector being substantially parallel to each other, each panel being transversely convex toward the general focus of the reflector and its transverse curvature at each point being the same as that of the general curve of a parabola at that point but in the opposite direction, the edges of the panel being convex toward the general axis of the reflector.

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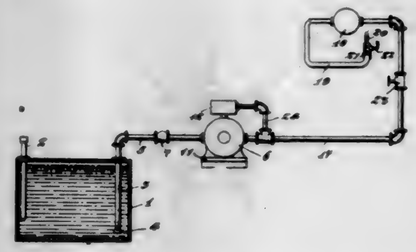
1,566,591. AUTOMATIC DISPENSING DEVICE. CHARLES A. GOLDSMITH, Collingswood, and JOSEPH F. MONTAGUE, Camden, N. J. Filed Oct. 11, 1924. Serial No. 743,150. 1 Claim. (Cl. 103—25.)

A gasoline dispensing device comprising a storage tank for liquids, a pump connected with said tank, an electric motor directly connected with the pump, a pressure switch, a discharge pipe connected with the pump, a by-pass connecting the discharge pipe with the automatic switch, a valve in the discharge pipe for controlling the flow of liquid from said pipe, said motor being connected with a source of current, and a circuit connecting the motor with the switch whereby upon a predetermined pressure of the liquid in the discharge pipe and in the by-pass the switch will be opened for cutting off the motor, the valve in the discharge pipe provided with a stem, a spring acting on the stem for maintaining the valve closed, a crank adapted to be manually operated for engaging the stem and moving the valve to open position for controlling the flow of liquid from the discharge pipe and for releasing pressure in the by-pass for causing automatic operation of the switch.



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1,566,592. BELT DRESSING. ADAM GONDERMAN, La Verne, Calif. Filed May 1, 1925. Serial No. 27,310. 2 Claims. (Cl. 134—15.)

1. A belt dressing comprising one quart of extra heavy lubricating oil, two pounds of rosin and three ounces of bees wax.

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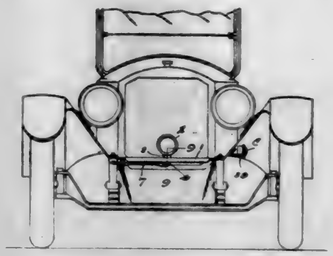
1,566,593. AUTOMOBILE SEARCHLIGHT. JAMES WALTER GRAHAM, Nelsonville, Ohio. Filed Jan. 13, 1925. Serial No. 2,222. 2 Claims. (Cl. 240—61.)



1. In a motor vehicle, a bar extending across the front of the frame thereof in front of the radiator, a search lamp supported at the center of the bar, means for permitting the lamp to be moved about a vertical axis, a bell crank on the bar, links connecting the same with the bell crank, a casing enclosing the rack bar, a shaft journaled in the casing, a toothed wheel thereon engaging the rack bar, a second shaft journaled in the casing, bars connecting the two shafts together, an arm on the second shaft, a foot pedal, means for connecting the pedal with the arm so that the depression of the pedal will rock the shaft to cause the toothed wheel to move the rack bar, springs associated with the parts for holding the lamp in a straight position and the pedal bar in raised position and switch means associated with the rack bar for extinguishing the bright lamps of the vehicle when the foot pedal is depressed to turn the search lamp.

**1,566,594. FISHING REEL.** MILTON B. GRAHAM, Windfall, Ind., assignor to Graham Reel Company, Windfall, Ind. Filed Jan. 26, 1924. Serial No. 688,849. 2 Claims. (Cl. 242—84.5.)

1. In a fishing reel of the class described, a reel proper, a stationary outer drum, a stationary inner drum, an arm pivoted at one of its ends to the reel proper, a brake shoe on said arm capable of swinging into engagement with the outer drum by the centrifugal force caused by the rotation of said reel, and a spring counter-acting the centrifugal force and holding the shoe in engagement with the inner drum when said reel is rotated at a comparatively slow rate of speed or if stationary.

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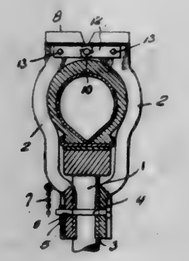
**1,566,595. TRACTION-INCREASING ATTACHMENT FOR MOTOR-VEHICLE WHEELS.** ADAM H. GROSZ, New Orleans, La. Filed Oct. 10, 1925. Serial No. 61,747. 1 Claim. (Cl. 152—14.)



In an attachment for increasing the traction capacity of a wheel, the combination of members having on the inner sides of the outer portions alined apertured knuckles, a bolt removably arranged in said knuckles and hingedly connecting said members together and having circumferential grooves adjacent to one of its ends, and locking bars one to each member pivotally connected to the side of the member, said bars having near their free ends notched portions seated in said grooves of the bolt.

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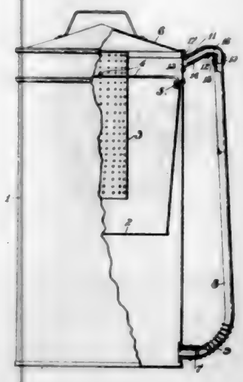
**1,566,596. SIRUP PERCOLATOR.** JAMES C. HARDESTY, Indianapolis, Ind. Filed July 10, 1925. Serial No. 42,857. 4 Claims. (Cl. 221—25.)

1. The combination with an open topped sirup receptacle having a cover therefor and a draw off opening, of a nozzle seat secured to the side wall of said receptacle at the upper end adjacent a drip opening in said side wall of said receptacle, a draw off conduit connected with said draw off opening and a hook shaped nozzle at the



end of said conduit arranged when in inoperative position to engage said seat and close said drip opening to the atmosphere.

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**1,566,597. HOSE NOZZLE FOR GASOLINE PUMPS.** GERALD J. HARMAN, Los Angeles, Calif. Filed Sept. 30, 1924. Serial No. 740,799. 4 Claims. (Cl. 221—100.)

1. A nozzle of the character referred to including in combination, a flexible tube provided at one end with attaching means, a coupling member for detachably securing said flexible tube to a supply hose, and a supporting element on said coupling member, said coupling member being interchangeable with different flexible tubes, whereby the latter can be discarded when worn out without loss of said coupling member.

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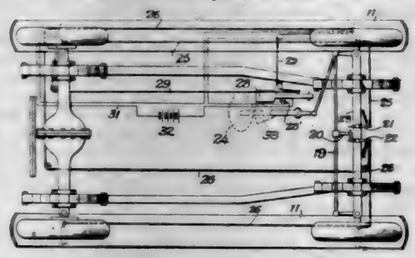
**1,566,598. AUTOMOBILE SIGNAL.** EDWARD J. HAWKINS, Rome, N. Y. Filed May 17, 1923. Serial No. 639,538. 2 Claims. (Cl. 116—36.)

1. In vehicle signals, the combination of the link bar of a steering mechanism of a vehicle, an arm secured



to the bar, levers pivoted adjacent to the arm, uprights having semaphore arms at each side, a cord from each



lever to a different semaphore arm, a brake lever, and a third semaphore arm operated by the brake lever.

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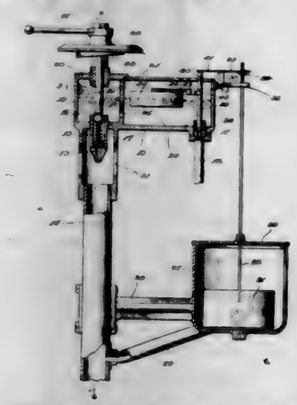
**1,566,599. FLUID REGULATOR.** WILLIAM L. HIGGINS, Buffalo, N. Y. Filed July 7, 1922. Serial No. 573,261. 3 Claims. (Cl. 137—68.)



2. In a fluid regulator, a fluid receptacle having inlet and outlet ports each provided with a valve, a pipe line into which the outlet port discharges, means for closing the inlet valve comprising a closed cistern having a conduit in communication with the pipe line, a float in the cistern, and elements connecting the float with the inlet valve whereby the inlet valve is adapted to be closed upon the float rising in the cistern actuated by the back flow of the fluid into the cistern caused by the consumption of the fluid in the pipe line being smaller than the discharge into it from the outlet port.

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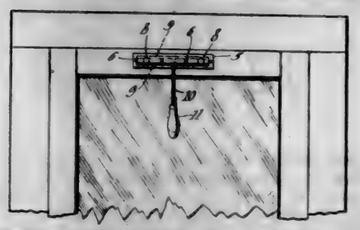
**1,566,600. DEVICE FOR OPERATING WINDOW SASHES.** JAMES J. HILL, Ewing, Ill. Filed Feb. 12, 1925. Serial No. 8,797. 1 Claim. (Cl. 268—4.)



A window operator including in combination, a plate, a pair of laterally extended pins formed on the plate, and arranged in spaced relation with each other, heads on the pins, a stick including an elongated head and a handle portion, said head adapted to be moved into engagement with the pins at points behind the heads to move the plate and sash supporting the plate vertically, and said plate having openings to receive securing screws.

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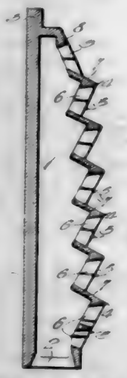
**1,566,601. RADIANT.** GEORGE A. HOFFMAN, Mansfield, Ohio, assignor to The New Method Stove Company, Mansfield, Ohio. Filed Mar. 26, 1925. Serial No. 18,524. 6 Claims. (Cl. 126—92.)



1. A radiant comprising a hollow body provided with openings at spaced points in its front wall, and internal deflectors over said openings for directing flame and products of combustion inwardly away from said openings and inducing the entrance of air therethrough.

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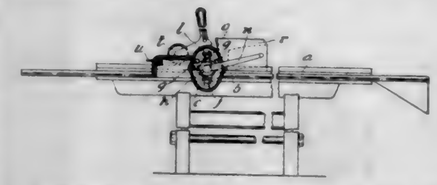
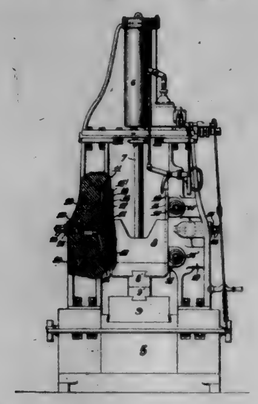
**1,566,602. APPARATUS FOR SPREADING MOLTEN TOFFEE OR OTHER LIKE SUBSTANCES TO A UNIFORM THICKNESS.** WILLIAM HOUNSELL, Birmingham, and THOMAS CARBY FILLERY, Hawkshurst, England. Filed Mar. 27, 1923. Serial No. 628,051. 8 Claims. (Cl. 107—22.)



1. Apparatus for spreading molten toffee and other like substances to a uniform thickness, comprising a table with a plane surface on which the substance is delivered, toothed racks along said table, a carriage with pinions for engaging said racks, and an adjustable spreader on said carriage in the form of an inclined blade for engaging the substance on the table and levelling it as the blade is moved along the table by the carriage.

3. Apparatus for spreading molten toffee and other like substances to a uniform thickness, comprising a table with a plane surface on which the substance is delivered, downwardly directed toothed racks along said table, a travelling carriage arranged across said table and comprising carrier plates at each side, rods for rigidly connecting the carrier plates across the table, a supporting roller on each carrier plate bearing on the back of the toothed racks, a gear wheel and a pinion in mesh therewith in each carrier plate, means for rotating said gear wheel, an axle connecting the said pinion to a pinion engaging said rack and an inclined blade on said carriage for engaging and spreading the substance placed on said table.

**1,566,603. DROP-HAMMER GUIDE AND ADJUSTMENT.** EDWIN B. HUBER, Chambersburg, Pa., assignor to Chambersburg Engineering Company, Chambersburg, Pa., a Corporation of Pennsylvania. Filed May 24, 1920. Serial No. 383,610. 4 Claims. (Cl. 78—37.)



2. In a guide for drop hammers, a drop hammer side frame having a pocket, a guide adapted to lie wholly within the pocket or to project therefrom for guiding purposes, a longitudinal beam reinforcement for the back of the guide; a retaining device for the guide secured to the reinforcement and independent transversely movable and removable adjusting means for the upper and lower parts of the guide.

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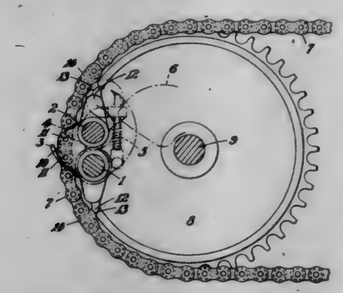
**1,566,604. SHEET-DELIVERY MECHANISM OF PRINTING MACHINES.** JOHN WALLACE JAKEMAN, Altrincham, England, assignor to Linotype and Machinery Limited, London, England, a British Company. Filed May 22, 1924. Serial No. 715,038. 5 Claims. (Cl. 271—79.)



1. In sheet delivery mechanism of printing machines, the combination with a travelling chain and a gripper shaft carried in a bracket attached to the chain, of an abutment on the bracket so located as to engage a link of the chain other than that to which the bracket is attached, only when the chain is deflected from a straight path.

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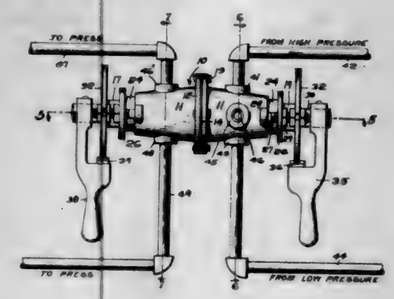
**1,566,605. VALVE STRUCTURE.** WILLIAM JAMISON, West Homestead, Pa. Filed July 22, 1925. Serial No. 45,325. 5 Claims. (Cl. 277—69.)

2. A valve structure comprising a pair of casing sections which are tapered and increase in diameter inwardly, means for connecting the inner ends of the casing sections, one casing section having a plurality of pressure inlet openings and a pressure release opening and the other casing section having a plurality of outlet openings, a tapered valve body increasing in diameter inwardly and mounted to turn in the first named casing section and having a port to co-operate with the inlet openings and release opening, a second tapered valve body increasing in diameter inwardly mounted to turn within the second named casing section and having a radial port to co-operate with the outlet openings, the inner ends of the valve bodies being open and in communication, stems connected with the outer ends of the valve bodies, thrust plates slidably engaging the stems and adjustably connected with the casing sections, and means to turn said stems.




5. In a valve structure, a casing provided with a tapered valve seat, a tapered body mounted within the casing and having a stem extending to the exterior of the casing, a thrust element having a swiveled connection with the stem to permit the same to rotate and to shift the stem inwardly and outwardly with respect to the casing, and adjustable means connecting the thrust element with the casing and adapted to move the thrust element inwardly and outwardly with relation to the valve casing and to lock the same against longitudinal movement at a selected adjusted position.

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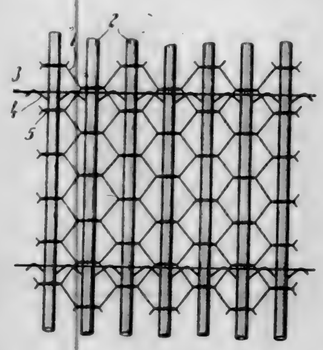
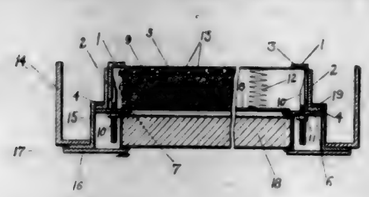
**1,566,606. LATHING.** KARL MARTIN JOHANSSON, Stockholm, Sweden. Filed Mar. 25, 1924. Serial No. 701,772. 1 Claim. (Cl. 72—116.)



A wire lathing comprising a wire netting, the wires of which are rigidly connected to each other at the crossing points, a plurality of reed pipes, and means connecting the latter to the netting consisting of under threads running on the opposite side of the netting in relation to the reeds, and upper threads alternately running over the reeds and through the meshes in engagement with the under threads.



**1,566,607. AIR FILTER.** ANDERS JORDAHL, New York, N. Y. Filed Apr. 25, 1924. Serial No. 708,998. 10 Claims. (Cl. 183—47.)



1. An air and gas filter comprising a main frame; and a plurality of filter units mounted in said frame, one of said units being removably supported, and comprising a pair of screens, a filter medium between said screens, and means for regulating the degree of compression of said filter medium, so that said unit may be cleaned as a self-contained unit when removed from the main frame.

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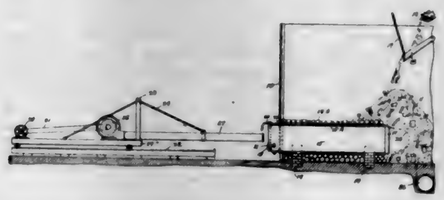
**1,566,608. REFUSE BURNER.** ARCHIE E. KRUSE, Portland, Oreg. Filed Sept. 22, 1924. Serial No. 739,070. 5 Claims. (Cl. 110—1.)



1. In a refuse burner, the combination of a water-cooled tube; a blower; and a nozzle on said blower adapted to be moved co-axially into said tube.

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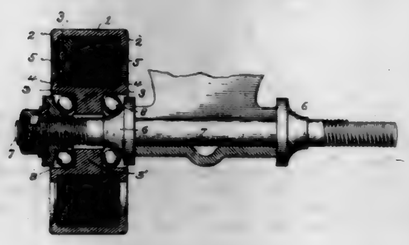
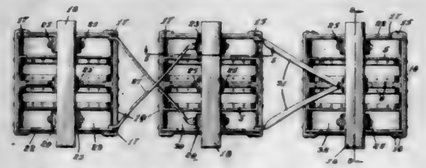
**1,566,609. ROLLER FOR ROLLER SKATES.** HANS G. LARSEN, Chicago, Ill. Filed Oct. 10, 1924. Serial No. 742,820. 1 Claim. (Cl. 208—181.)



In a roller for roller skates and the like, the combination of a rigid tread member of a plate form having inturned holding flanges at its respective margins, a hub member formed with peripheral holding collars complementary to the inturned flanges of the tread member and with an inner annular collar mid-way the length of its bore, and a semi-elastic intermediate member held in place solely by said flanges and collars.

**1,566,610. LOG-HAULING SLED.** BERNARD LEBLANC, Lac Frontiere, Quebec, Canada. Filed July 22, 1924. Serial No. 727,538. 2 Claims. (Cl. 280—15.)



1. A log hauling sled comprising a body portion having a relatively narrow longitudinal bottom, sloping portions extending therefrom, side portions formed at the edges of said sloping portions, a runner secured to said bottom, and a steady bunk placed across said bottom and resting on the sides thereof.

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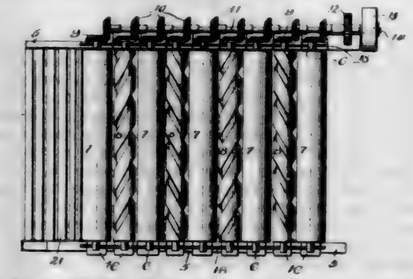
**1,566,611. FRUIT-CLEANING MACHINE.** CHARLES H. LISTER, Thonotosassa, Fla. Filed July 30, 1924. Serial No. 729,079. 5 Claims. (Cl. 146—202.)



1. In a machine of the class described a series of cylindrical brushes arranged to convey fruit transverse their axes, certain of said brushes being of substantially smaller diameter than others and the bristles on said smaller brushes being disposed spirally thereon to turn fruit longitudinally of said brushes.

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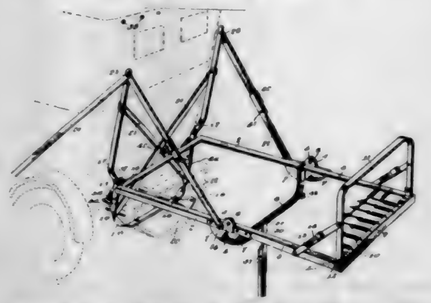
**1,566,612. AUTOMOBILE BED.** EDWARD VINCENT LOUSTALOT, Franklin, La. Filed Dec. 18, 1924. Serial No. 756,730. 3 Claims. (Cl. 5—119.)

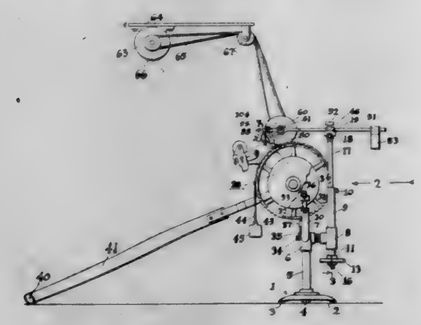


1. A bed of the character described comprising a frame consisting of a plurality of sections, hinges connecting the sections permitting folding the frame, a fixed support, and compound hinges connecting one of the sections with the support, said hinges comprising plates pivoted both to the section, and to the support, and having lugs to engage the support to limit an extending movement of the hinges preparatory to folding the frame section next to the support.

1,566,613. VALVE. CHARLES H. MCDONALD, Bartlesville, Okla. Filed Nov. 3, 1922. Serial No. 598,803. 1 Claim. (Cl. 103—229.)

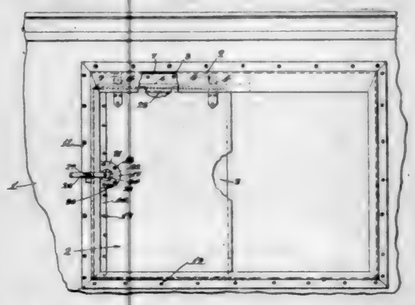
A standing valve comprising an elongated integral body portion having a smooth cylindrical bore extending downwardly from its top throughout the greater portion of its length, the lower end of said body portion having a smooth cylindrical bore of greater diameter than that in the upper end of said body portion, a valve seat arranged in said lower bore, a valve normally engaging said seat, a transverse pin extending through said lower bore above said valve to limit the upward movement thereof, a cage arranged above said body portion, a valve seat arranged between said cage and said body portion, and a valve arranged in said cage and normally engaging said last named seat.

1,566,614. LAWN-MOWER SHARPENER. RASMUS H. MADSEN, Hollywood, Calif. Filed Sept. 24, 1924. Serial No. 739,590. 8 Claims. (Cl. 51—247.)



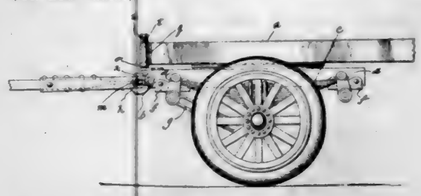
6. In a lawn mower sharpener, an adjustable support for a lawn mower, an adjustable track connected to the support, a base slidingly mounted upon the track, a bearing crosswise of the base, a bar slidingly mounted through the bearing, a set screw for holding the bar in adjusted position, a counterweight upon the rear end of the bar, a grinding wheel frame extending forwardly from the bar, a grinding wheel in the grinding wheel frame, a split bearing mounted upon one end of the track, a bearing sleeve crosswise of the split bearing, a bolt extending through the bearing sleeve, spring washers upon the bolt, one of the washers being against the end of the bearing sleeve, a sprocket wheel upon the bolt between the washers, a nut upon the bolt for adjusting the tension of the spring washers, a chain connected to the bar and extending over the sprocket wheel, and a weight upon the lower outer end of the chain.

1,566,615. BOX-CAR-DOOR OPENING AND CLOSING DEVICE AND FASTENER. ROY W. PACE and JACK E. WILLETT, Los Angeles, Calif. Filed June 21, 1923. Serial No. 646,816. 9 Claims. (Cl. 268—6.)



1. A sliding door construction, comprising in combination a plate having the main portion adapted to be secured to a structure, an upturned edge spaced from the main portion, having apertures therethrough forming a rack, the upper surfaces of the edge forming a track, a door having wheels operating on the track, a vertical shaft having a pinion engaging the rack, a worm wheel mounted on the vertical shaft, a work gear mounted on a horizontal shaft transverse of the door and a crank loosely mounted on the end of the horizontal shaft and means to operatively connect the crank to the horizontal shaft to thereby operate the door.

1,566,616. TRAILER DRAWHEAD. FREDERICK MALCOLM REID, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 21, 1925. Serial No. 10,746. 7 Claims. (Cl. 280—33.5.)

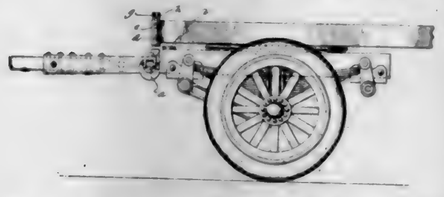


1. In a trailer, the combination of a gear frame having gusset plates at the forward corners, a trailer frame to which the gear frame is swiveled, and a draw head for the gear frame, comprising a relatively strong casting secured to the front of the gear frame and extending from one gusset plate to the other and serving to make the front of the gear frame a solid unit.

1,566,617. TRAILER LOCK. FREDERICK MALCOLM REID, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 21, 1925. Serial No. 10,747. 4 Claims. (Cl. 280—33.5.)

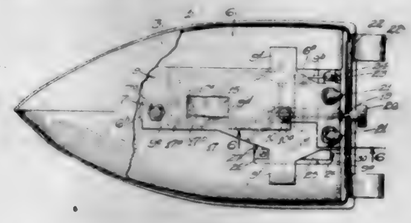
1. A center lock for vehicles, having in combination an upper member, a lower member, with two members arranged to have relative movement with respect to each other, a bolt guide housing on the one member, a table provided with a center keeper socket on the other member, a sliding bolt guided in the bolt guide and tending to project into the keeper socket when lined up there-





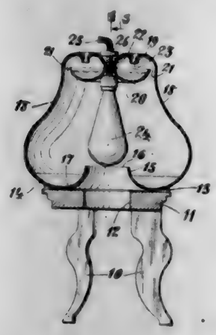
with, and means connected with the outer end of the sliding bolt and operating in direct connection with the bolt guide housing to either release the bolt for automatic projection into the keeper socket or else to set the bolt against projection into the keeper socket.

1,566,618. AUTOMATIC ELECTRIC FLATIRON. MARTIN S. RUNSVOLD, San Diego, Calif. Filed Aug. 11, 1924. Serial No. 731,314. 15 Claims. (Cl. 219—25.)



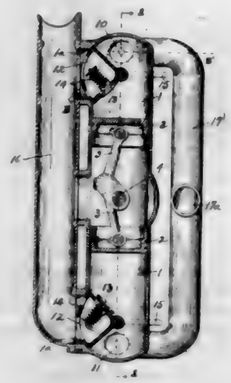
1. In a heating apparatus, a support and a pair of heat controlled, mutually shiftable members supported at their one ends on said support and adapted to be suddenly shifted when shifted beyond a dead line relatively to their means of support.

1,566,619. FLYTRAP. HUGO G. A. SCHLOSSARECK, Yonkers, N. Y. Filed July 28, 1925. Serial No. 46,536. 1 Claim. (Cl. 43—122.)



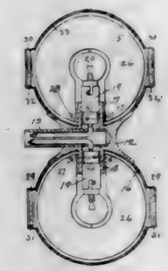
A fly catcher comprising a colored transparent globe having annular interior channels in its upper and lower portions, said channels to contain liquid, hollow nipples leading from the top of said globe to the channel in its upper portion, said globe having a relatively large opening in its base and a smaller opening in its top interjacent the respective channels, an electric lamp enterable through the bottom opening, the cord of said lamp passing through the top opening, means on said cord to suspend the lamp, and a stand for supporting the base of said globe.

1,566,620. AIR COMPRESSOR. CHARLES B. SCOVILLE, Jr., Pasadena, Calif. Filed Oct. 1, 1923. Serial No. 665,846. 3 Claims. (Cl. 230—27.)



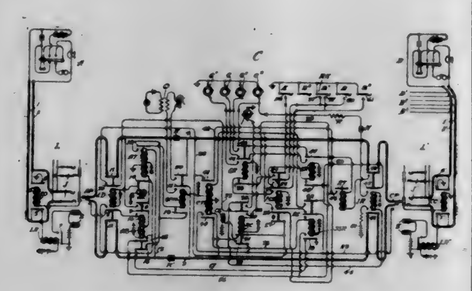
1. In an air compressor, a cylinder, a piston working therein, an outlet check valve, a pivoted gate valve to open said cylinder to the atmosphere, and a check valve set within said gate valve and moving therewith and operating as an inlet check valve when said gate valve is closed.

1,566,621. AUTOMOBILE SIGNAL. MYRAH H. SENECHAL, Portland, Oreg. Filed May 12, 1924. Serial No. 712,759. 2 Claims. (Cl. 177—329.)



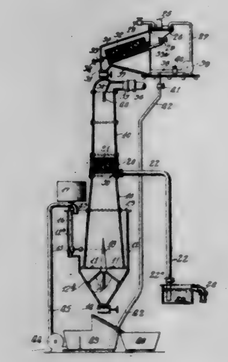
2. A signaling device comprising a casing open at its ends; a frame supporting said casing having a tubular lamp socket holder formed integrally therewith and projecting into said casing; a socket and lamp in said holder; a band clamp secured around the base of said socket holder, said clamp providing a support within the casing for a partition; a partition having a cutout portion to clear the lamp and its socket and holder; a tubular support arm received within the concave frame; means for securing the tubular arm in position; and translucent closures for the ends of the casing.

1,566,622. TELEPHONE SYSTEM. WILLIAM G. SHULL, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 28, 1921. Serial No. 503,777. 11 Claims. (Cl. 179—35.)



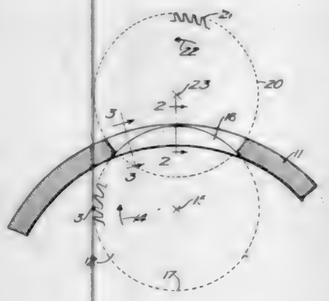
5. A telephone system including a party-line and a party-line ringing key having an end spring common to a number of cords, a relay for operatively associating said key and said line, another relay for causing the restoration of said first relay to effect the dissociation of said key and said line, said last relay controlled by the end spring of said key.

1,566,623. DEVICE FOR TREATING MATERIAL. PHILIP A. SINGER, Glen Ellyn, Ill. Original application filed Sept. 22, 1922, Serial No. 589,954. Divided and this application filed Sept. 12, 1924. Serial No. 737,225. 9 Claims. (Cl. 23—270.)



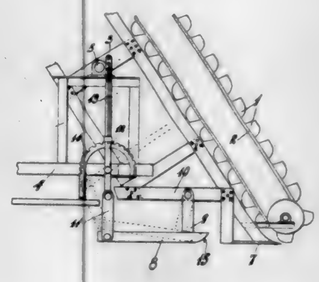
1. In a treating device, the combination of a substantially vertically disposed treating receptacle, means for continuously feeding material to be treated into the upper portion of the receptacle, means for continuously withdrawing treated material from the lower portion of the receptacle, means for introducing a treating liquid into the receptacle, means for inducing a partial vacuum in the upper portion of the receptacle, and means for discharging such liquid from the receptacle at a predetermined height therein which is at a material distance below the place where the material is fed into the receptacle.

1,566,624. METHOD OF FORMING DOUBLE-CUT PIPE. EDWARD M. SMITH, Los Angeles, Calif. Filed Apr. 16, 1923. Serial No. 632,571. 15 Claims. (Cl. 29—163.5.)



1. A method of producing a slotted pipe which comprises: forming a portion of a slot by means of a cutter situated inside the pipe; and completing said slot by means of a cutter situated outside of said pipe.

1,566,625. DEPTH REGULATOR FOR SCRAPING AND SURFACING MACHINES. CHARLES A. SPEARS, Oakland, Calif. Filed Nov. 8, 1924. Serial No. 748,608. 4 Claims. (Cl. 37—86.)

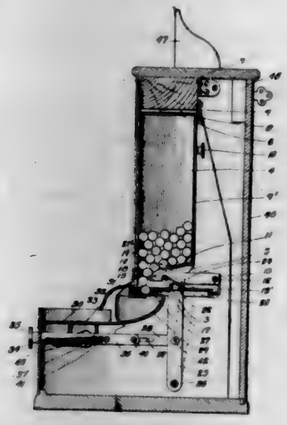


1. The combination with a surfacing machine having forwardly extending bucket excavators, a frame extending rearwardly therefrom, a shoe adapted to rest on the ground and having the forward end pivotally connected to the frame, and having its rear end connected to said frame by a handle pivoted thereto, and a link pivoted to the end of the handle and to the end of the shoe whereby the shoe may be tilted in reference to the frame of the excavator.

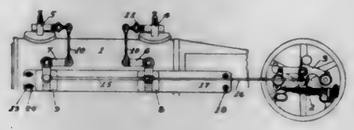
1,566,626. VENDING MACHINE. ALBERT H. STEELE, Kansas City, Mo. Continuation of application Serial No. 436,027, filed Jan. 10, 1921. This application filed Jan. 28, 1924. Serial No. 688,970. 4 Claims. (Cl. 211—8.)

1. A vending machine comprising an article containing chute, a cross bar for pivotally mounting the chute, a delivery slide below the chute, a pivotally mounted agitator having forwardly extending hooked arms for normally engaging the cross bar to support said arms, and inverted V-shaped projections on the slide for raising the agitator arms from the cross bar.



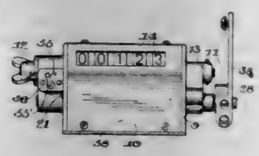


1,566,627. VALVE GEAR FOR STEAM ENGINES. ROBERT C. STEVENS, Erie, Pa. Filed Mar. 30, 1922. Serial No. 548,101. 3 Claims. (Cl. 121—165.)



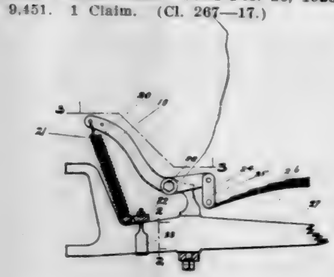
1. In a steam engine, a cylinder, inlet valves on said cylinder near the ends thereof, an engine shaft, a supporting member fixed at one end to said engine and extending lengthwise said cylinder, the other end of said member slidingly supported with relation to said cylinder, a pair of rockers carried by said member and operatively connected to said engine shaft, and valve-actuating devices including links connecting said rockers and said valves respectively.

1,566,628. COUNTER. EDMUND C. STOSICK, Milwaukee, Wis., assignor to Durant Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 24, 1923. Serial No. 664,492. 1 Claim. (Cl. 235—91.)



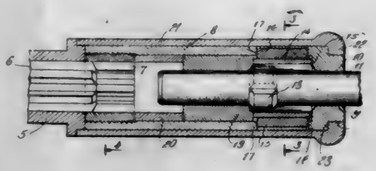
In a register having number wheels mounted on a shaft and zero setting means connecting said wheels and shaft for setting said wheels to zero on the turning of said shaft, the combination with said shaft and the casing of the register, of a resetting handle on said shaft, a key-controlled locking pin mounted in said casing and in locking engagement with said handle to lock said shaft against resetting and against movement during registering.

1,566,629. SPRING SUSPENSION DEVICE. ARTHUR J. STRETCH, Seattle, Wash. Filed Feb. 16, 1925. Serial No. 9,451. 1 Claim. (Cl. 267—17.)



In an equalizing device of the class described, the combination with a motor vehicle having an axle and a transverse spring, of a rigid shackle support extending upwardly from said axle, levers fulcrumed on said shackle support, said levers having substantially horizontal shorter arms that extend inwardly and are connected with the ends of said vehicle springs and having longer arms that extend outwardly and upwardly, and helical tension springs secured to said axle and connected with said longer lever arms and coacting with said vehicle springs to afford a resilient support and permit equalizing movement of the ends of said vehicle springs toward and away from said axle.

1,566,630. ROCK DRILL. THOMAS E. STURTEVANT, Dover, N. J., assignor to McKiernan-Terry Drill Company, Dover, N. J., a Corporation of New Jersey. Filed May 1, 1920. Serial No. 378,090. 4 Claims. (Cl. 121—32.)



1. In a drill of the character described, the combination with a cylinder and a reciprocable piston therein, of a carrier sleeve having a reduced end provided with a guide bore for the shank of a drill bit, a lock bushing confined within said sleeve and keyed thereto, a casing rotatably receiving the carrier sleeve and secured to the cylinder, said casing having an integral annular flange engaging the reduced end of the carrier sleeve and rotatably confining the carrier sleeve therein, a nut in the end of the carrier sleeve opposite its reduced end, and means in the carrier sleeve between the nut and lock bushing arranged to cooperate with the nut to hold the lock bushing in position and to slidably but non-rotatively connect the carrier sleeve with the piston.

1,566,631. PILE DRIVING AND PULLING MECHANISM. THOMAS E. STURTEVANT, Dover, N. J., assignor to McKiernan-Terry Drill Company, Dover, N. J., a Corporation of New Jersey. Filed Mar. 27, 1922. Serial No. 547,168. 8 Claims. (Cl. 61—76.)

1. In a device for driving and pulling piles, a reciprocatory pile hammer, a pair of anvil blocks disposed at the opposite ends of the hammer and means for relatively slidably adjusting the blocks and hammer to bring either block into the range of the hammer.

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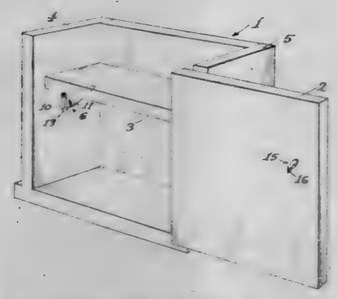
1,566,632. DOOR CATCH. HENRY A. SWENSON, Tustin, Calif. Filed Mar. 18, 1925. Serial No. 16,362. 2 Claims. (Cl. 292—17.)



1. A door catch having a female latch member formed of sheet metal bent to form an elongated flat seat with spaced side walls extending directly from the base at right angles thereto, the side walls forming a mouth at right angles to the base, the side walls being curved inwardly to form a yielding restriction adjacent the mouth, and a male latch member comprising a diamond-shaped stud with a head portion and a narrow restriction between the head and the base of the stud.

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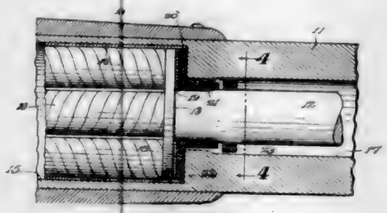
1,566,633. DEVICE FOR PREVENTING GREASE LEAKAGE IN AXLE BEARINGS. JAMES E. TAYLOR, Dallas, Tex. Filed July 27, 1923. Serial No. 654,187. 1 Claim. (Cl. 286—7.)

A structure of the character described comprising a shaft housing formed with a bore having one end portion enlarged to form a bearing chamber having a shoulder at its inner end, a shaft extending axially through the bore of said housing in spaced relation to the walls thereof and through said bearing chamber, anti-friction means in said bearing chamber about said shaft and including an inner disk spaced from said shoulder, a packing disk of compressible material disposed about said shaft and fitted tightly in said chamber between said shoulder and the inner disk of said anti-friction means,



an annular axially extending bead about the outer peripheral edge of the inner face of said packing disk and compressed against said shoulder, and a sleeve extending from the inner peripheral edge portion of the inner face of said packing disk and integral therewith and fitted snugly about said shaft but free from frictional binding engagement therewith.

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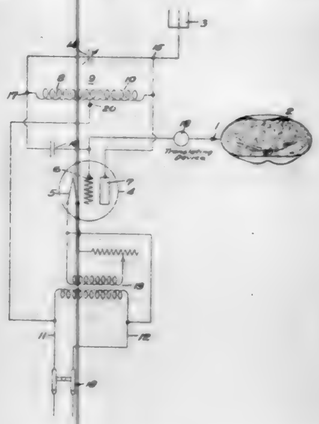
1,566,634. APPARATUS FOR TREATING DISEASE. HERBERT P. TRAMBLEY, San Francisco, Calif. Filed June 18, 1923. Serial No. 645,997. 2 Claims. (Cl. 250—36.)



1. In a system for producing electric oscillations, a thermionic tube having an input and an output circuit, said input circuit including a filament and a control electrode, and said output circuit including the filament and an anode, an inductor connected between the control electrode and the anode for coupling these circuits together, a condenser inserted between the control electrode and the inductor, and a load circuit connected directly across the control electrode and the anode.

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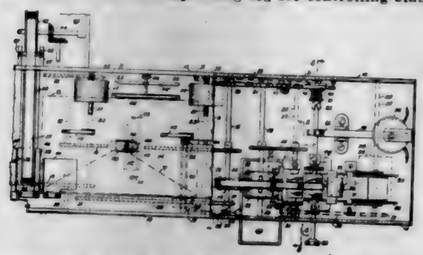
1,566,635. AUTOMATIC STAMPING AND SEALING MACHINE. MAXWELL VIDAVER, New York, N. Y., assignor, by mesne assignments, to Vidaver Mailing Machine Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 27, 1925. Serial No. 18,686. 64 Claims. (Cl. 216—3.)

1. In a machine of the character described, in combination, means for feeding an envelope, means for applying a stamp to said envelope, and means responsive to the weight of the envelope being fed for controlling stamp



application by said applying means and being operative to vary control of said applying means while said feeding means continues feeding of the envelope.

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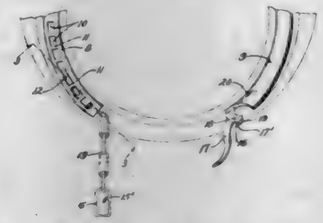
1,566,636. HAME. JAMES M. WALSH, Milwaukee, Wis. Filed Jan. 7, 1924. Serial No. 684,893. 6 Claims. (Cl. 54—27.)



4. The combination with a pair of hame members having lower channeled portions and one of said portions being in the form of a hook, a lever hook fulcrumed to said hook portion and having a handle portion which swings into the adjacent channeled portion to register its hook portion with the hame hook portion, the other hame member being formed with spaced transverse bars and with an opening at its lower end, and a chain extending through said end opening and having a hook at its inner end which is engageable with any one of the bars for adjusting the length of the chain portion extending out of the hame member, the opposite end of the chain having a link through which the lever handle may be extended for removably connecting said link to the hame hook portion, said chain hook and link being of greater size than the end opening to prevent separation of the chain from the hame member.

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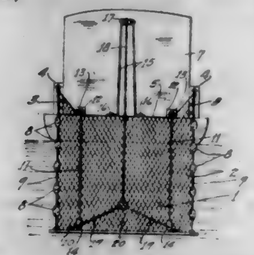
1,566,637. FISH NET. JAMES J. WARD, St. Louis, Mo. Filed Sept. 28, 1925. Serial No. 59,093. 3 Claims. (Cl. 43—8.)



1. A fish net of the character described, comprising a substantially rectangular body portion the upper end of which is adapted to be affixed to the deck of a boat, the lower end of said body portion being attached to a metal bar disposed transversely to said body portion and having sufficient weight to cause the said body portion to be drawn taut when depending into the water, triangular winged portions attached to the upper corners of said body portion so that the base of the triangle will coincide with the minor axis of the body portion and the perpendicular side of the triangular portion of said wings will be disposed parallel to the major axis of the main body of the net.

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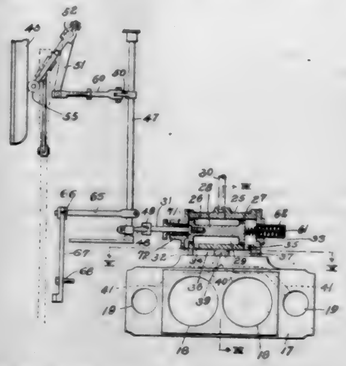
1,566,638. TILE PRESS. MILTON V. WASH, Beaver Falls, Pa., assignor to Beaver Falls Art Tile Company, Beaver Falls, Pa., a Corporation of Pennsylvania. Filed Apr. 4, 1925. Serial No. 20,701. 7 Claims. (Cl. 25—42.)



1. In a tile press, the combination of a reciprocable plunger provided with an upper die, a base block provided with two pressure cylinders, an anvil mounted for vertical movement in said block and provided with a lower die, raising and lowering pistons attached to said anvil and arranged in said pressure cylinders, a valve comprising a casing communicating with said cylinders and an element movable to alternate positions for alternately controlling flow of pressure fluid to an exhaust from said cylinders, and means coordinated with the reciprocation of said plunger for moving said valve element.

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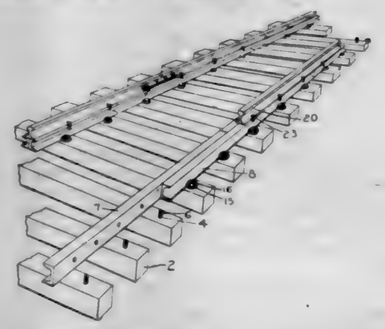
1,566,639. RAIL SUPPORT. LOUIS M. ADAMS, Los Angeles, Calif. Filed Mar. 10, 1925. Serial No. 14,453. 2 Claims. (Cl. 238—26.)



1. A railway track comprising in combination ties, channels having vertical webs and horizontal flat flanges, means to clamp the webs back to back and in contact, said channels extending over a plurality of ties, means to clamp the lower flanges of the channels to the ties,

road carrying rails having flat lower flanges of less width than the width of the upper flanges of the channels and means to clamp said rail flanges to the upper flanges of the channels.

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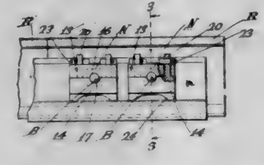
1,566,640. RAIL-JOINT NUT LOCK. JOHN B. BEAUDRY, Los Angeles, Calif. Filed Oct. 27, 1925. Serial No. 65,105. 5 Claims. (Cl. 151—62.)



1. In a rail joint wherein there are fish plates arranged along the sides of adjacent rail ends, bolts extending through the fish plates and rail ends, and nuts threaded onto the bolts, a lock for each nut comprising two parts adapted to be secured together about the end of each bolt, said parts having threaded recesses formed thereon adapted to cooperate to form an aperture which is threaded complementarily to the threads on the bolt, one of said parts being so constructed as to be engageable upon the base of the fish plate to prevent its rotation relatively to the bolt, and means associated with said parts engageable upon the nut on the bolt for preventing relative rotation between the nut and said parts.

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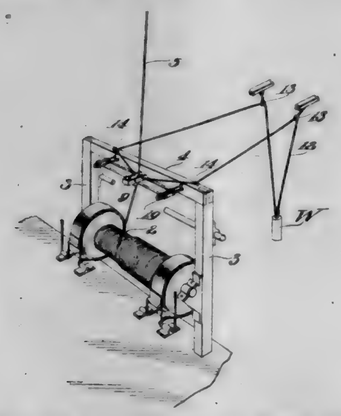
1,566,641. LINE SPOOL FOR ROTARY DRILLS AND THE LIKE. JAMES L. BELL, Montebello, Calif. Filed Dec. 13, 1923. Serial No. 680,442. 1 Claim. (Cl. 242—157.)



A line spool for rotary drills and the like comprising slotted brackets, a frame mounted in the brackets for lateral movement, a slide shiftable along with the said frame and provided with a guide pulley engageable by a cable running to a drum, whereby to prevent the piling up of the cable on a drum by a whipping action of the cable.

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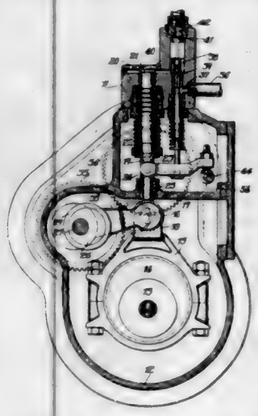
1,566,642. INTERNAL-COMBUSTION ENGINE. CARL A. BJORNSSON, Wellsville, N. Y., assignor to McEwen Bros., Wellsville, N. Y., a Corporation of New York. Filed July 18, 1924. Serial No. 726,663. 9 Claims. (Cl. 123—140.)

1. An internal combustion engine which comprises, a crank shaft and a cylinder, a pump for forcing fuel from a supply source to said cylinder, said pump having means for transmitting a thrust from said crank shaft direct to



fuel to be forced to said cylinder, and means causing said pump to supply fuel to said cylinder only on alternate revolutions of said crank shaft.

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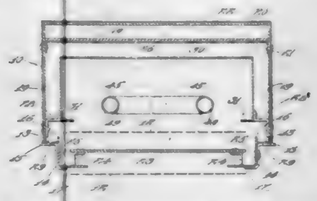
1,566,643. RAISED-PRINTING APPARATUS. JAMES A. BLAKE, Cambridge, Mass., assignor to Raised Process Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed July 22, 1924. Serial No. 727,578. 9 Claims. (Cl. 34—12.)



1. In an apparatus for producing raised printing, two hollow casings, one surrounding the other, each having a top and sides and an open bottom, said casings being spaced to form an air space between their walls at the top and sides, a heating medium in the inner casing, the top wall of the inner casing being provided with air ports to permit the heated air to pass from the interior of the inner casing into the space between the top walls of the two casings, and thence down between the adjacent side walls of the two casings to the outside air, and a conveyor for the printed articles which travels through the lower part of the outer casing.

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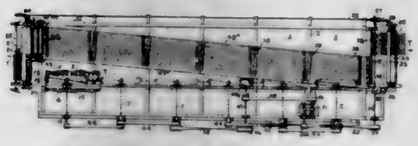
1,566,644. METHOD AND MEANS FOR DRYING TEXTILE MATERIAL. WILLIAM G. R. BRAEMER, Haddonfield, N. J., and JOSEPH ROBERTS, Providence, R. I., assignors to General Fire Extinguisher Company, a Corporation of New York. Filed Dec. 10, 1924. Serial No. 754,889. 12 Claims. (Cl. 34—12.)

1. In a drying apparatus, the combination of a casing having a drying chamber provided with inlets at one end and outlets at the other end for yarn or other material being dried and a heating chamber parallel to the drying chamber and in communication with the bottom portion thereof, heating coils arranged in the heating chamber for heating the circulating air, a plurality of circulating fans arranged at intervals along the length of the chambers to provide a plurality of transversely



circulating means for causing the currents of air to circulate successively through the drying chamber and heating chamber, means for conveying the yarn or other material to be dried lengthwise through the drying chamber, two sets of means for feeding the yarn or other material into the intake end of the drying chamber at different places transversely situated, and two separate means for delivering the treated yarn or other material from the outlet end of the drying chamber



and at different places transversely situated, whereby the yarn or other material being dried is passed through the apparatus in two stages and thereby receives two consecutive drying treatments, the means for delivering the yarn or other material after it leaves the drying chamber in the first stage or passage therethrough of the drying operation being constructed for feeding the yarn or other material to the intake end of the drying chamber preliminary to the second stage of the drying treatment thereof.

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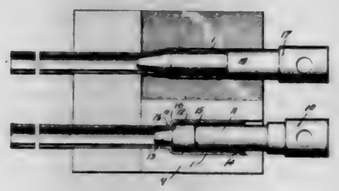
1,566,645. TUBE EXPANDING AND COMPRESSING TOOL. ALFRED B. BREEZE, Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 26, 1922. Serial No. 608,827. 1 Claim. (Cl. 78—63.)



In a device of the character described, comprising a separable die, and a forming tool adapted to be thrust into the end of a tube disposed within the die, said tool having a cylindrical shank portion, and a cylindrical head portion of greater diameter than the shank portion for expanding and forming the tube, and a tapering tip extending from the forward end of the head portion, the head portion at the end toward the tip portion, providing a shoulder overhanging a shoulder of the die, for compressing the metal of the tube against the die shoulder.

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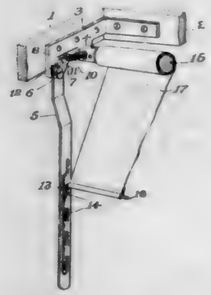
1,566,646. SHADE FOR AUTOMOBILE WINDSHIELDS. WILLIAM BREWSTER, New York, and SEYMOUR J. BAUM, Flushing, N. Y. Filed July 14, 1925. Serial No. 43,440. 3 Claims. (Cl. 296—97.)

1. An inside shade for an automobile windshield, comprising brackets secured to the front roof portions of the automobile body at opposite sides thereof and carrying shade fixtures, a spring shade roller secured within said fixtures, a shade carried by said roller and having at its lower end a rod which extends beyond the shade at each side, elongated notched levers pivoted near their outer ends to said brackets and having ears adjacent



said pivotal points, and spring elements intermediate said fixtures and ears whereby said levers are retained at the limits of their upward and downward swings.

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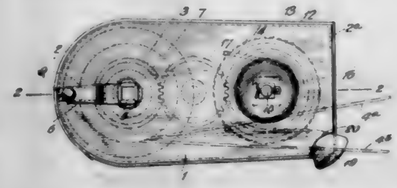
1,566,647. CHALK-LINE DEVICE. OSCAR M. BRYAN, Peru, Ind. Filed May 23, 1922. Serial No. 562,951. 4 Claims. (Cl. 33—87.)



1. A chalk line device comprising a casing, a line reel and a chalking element rotatively mounted on two parallel transverse bearings in the casing, and the chalking element being slidable on its bearings, the casing having in the end adjacent the chalking element an upright slot adjacent one side providing a passage for the chalk line, a drive connection between the reel and chalking element, and a spring bearing between the other side of the casing and the chalking element and operative to press the chalking element yieldingly against the first mentioned side of the casing.

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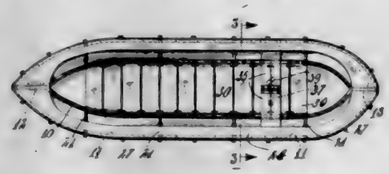
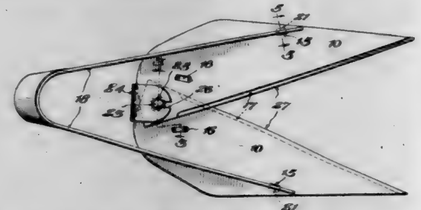
1,566,648. COLLAPSIBLE BOAT. JOSÉ MARIA CALDERON, Jr., Rio Grande, P. R. Filed Mar. 20, 1925. Serial No. 16,907. 5 Claims. (Cl. 9—2.)



1. A collapsible boat comprising a frame made up of top and bottom side members each consisting of a number of sections detachably secured to one another, ribs extending between the upper and lower side members and detachably secured to the same, and a flexible sheathing element detachably secured on said frame, and a flexible decking element separate from said sheathing element secured upon said frame.

1,566,649. SHEARS. GUSTAVE O. CARLSON, Wethersfield, Conn., assignor of one-third to Henry Hanson, Middletown, Conn., and one-third to Carl O. Hedstrom, Portland, Conn. Filed June 13, 1924. Serial No. 719,909. 14 Claims. (Cl. 30—13.)



1. Shears having blades; a ball by which the blades are pivotally connected; and means outside of the blades having connection with the ball for maintaining the same in operative relation with the blades.

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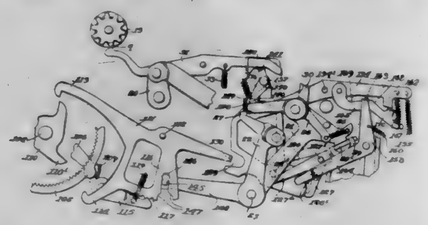
1,566,650. OPERATING MEANS FOR CALCULATORS. GEORGE C. CHASE, South Orange, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y., a Corporation of New York. Filed Nov. 21, 1922. Serial No. 602,366. 175 Claims. (C. 235—73.)



164. In a calculating machine, numeral wheels, reversible actuating means therefor, driving means including a motor, means for effecting transmission of movement forwardly or reversely from the driving means to the actuating means, including a manually operable device movable selectively in either of two directions from neutral position, and an independently movable operating member normally coupled thereto, means controlled by the numeral wheels for stopping the actuating means, means for automatically uncoupling the operating device from the operating members during the functioning of said stopping means, and means for restoring the operating device and the operating member independently to normal re-coupling position.

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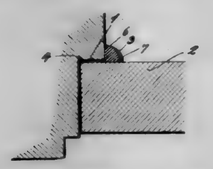
1,566,651. WEATHER STRIP. HANS CHRISTENSEN, Denver, Colo., assignor to The Banner Rubber Company, Denver, Colo., a Corporation of Colorado. Filed Oct. 26, 1925. Serial No. 64,810. 2 Claims. (Cl. 20—69.)



1. A weather strip adapted to be attached to a piece having a rectangular corner, consisting of a piece of rubber composition having a cross section comprising a body portion of sector shape and of an angular extent greater than 90°, said body portion having one side extending across the center point in the same plane whereby the angle between the other side and said flange will be less than 90°.

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1,566,652. OPTICAL DIAGNOSTIC INSTRUMENT. HANS CLEMENT, New York, N. Y., assignor to General Optical Company, Inc., a Corporation of New York. Filed July 10, 1924. Serial No. 725,266. 8 Claims. (Cl. 88—20.)

1. An optical diagnostic instrument comprising a tube and a condensing lens mounted therein, a lamp in the tube, and a ray filter holder rotatively mounted in the tube between the lamp and condensing lens and adjustable between two positions in one of which a ray filter is interposed in the path of the light.

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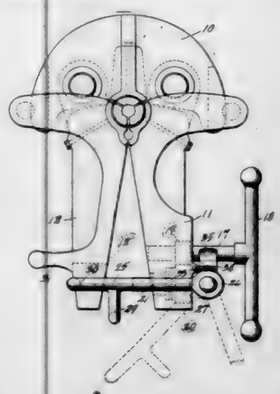
1,566,653. GATE AND CLAMPING DEVICE FOR WIRE LINE CLAMPS. FRANK E. CROTTO, Tulsa, Okla., assignor to Western Supply Company, Tulsa, Okla. Filed Oct. 28, 1924. Serial No. 746,259. 7 Claims. (Cl. 24—135.)



1. In a clamp of the character described, the combination with a pair of clamping arms, of a gate adapted to engage with one of the arms, means carried by the



other arm supporting the gate and for displacing it to bring the arms together, and a reduction gearing for operating said means including an actuating member for the said gearing.

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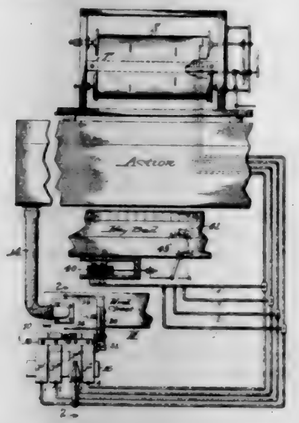
1,566,654. EXPRESSION-CONTROLLING MECHANISM FOR MUSICAL INSTRUMENTS. THOMAS DANQUARD, New York, N. Y., assignor to Auto Pneumatic Action Company, a Corporation of New York. Filed Feb. 24, 1922. Serial No. 538,939. 8 Claims. (Cl. 84—42.)



1. In expression controlling mechanism for musical instruments comprising a regulator valve and spring, a series of united regulator pneumatics connected to said valve, a series of valves controlling the regulator pneumatics, and air passages arranged so that when one valve of the series is operated the valve or valves at one side thereof also will be operated.

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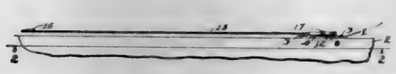
1,566,655. SADIRON-CORD HOLDER. ROY L. DAVID, San Jose, Calif. Filed Oct. 20, 1924. Serial No. 744,821. 1 Claim. (Cl. 248—30.5.)



A sad-iron cord support comprising a supporting element mountable upon an ironing board, a flanged cap member revolubly mounted on said element and having an opening therein, a cord supporting arm having a portion thereof coiled within said member to form a spring and extending through said opening and bearing against an edge thereof, means for securing the inner end of said coiled portion of the arm to said revoluble member, and releasable means for locking said member against rotation relative to said supporting element.

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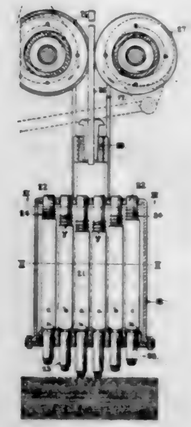
1,566,656. TREATING SHEETS. SAMUEL E. DIESCHER, Wilkinsburg, Pa., assignor to S. Diescher and Sons, a Copartnership consisting of Samuel E. Diescher and August P. Diescher, Pittsburgh, Pa. Original application filed July 2, 1923. Serial No. 649,168. Divided and this application filed December 24, 1924. Serial No. 757,953. 2 Claims. (Cl. 29—19.)

2. The method herein described of treating a pack or pile of adherent sheets which consists in causing a flow of metal within a given area of plurality of adherent sheets, thereby causing a buckling of the sheets around such area, maintaining pressure on the area acted on, and subjecting the sheets outside of such area to



percussion, thereby causing a flow of metal, and a consequent buckling in directions towards the edges of the sheets.

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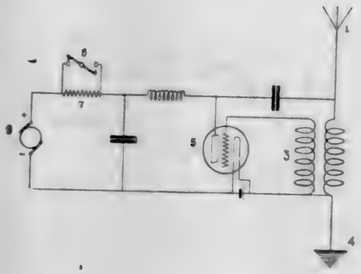
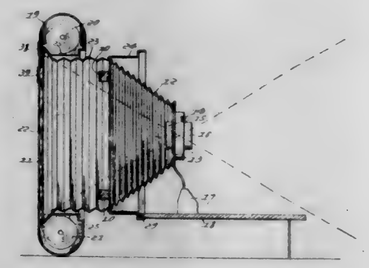
1,566,657. WIRELESS TRANSMITTER. WILLIAM THEODORE DITCHAM, Lebanon Park, England, assignor to Radio Corporation of America, a Corporation of Delaware. Original application filed Dec. 18, 1920, Serial No. 431,582. Patent No. 1,454,598, dated May 8, 1923. Divided and this application filed Feb. 8, 1923. Serial No. 617,894. 3 Claims. (Cl. 250—19.)



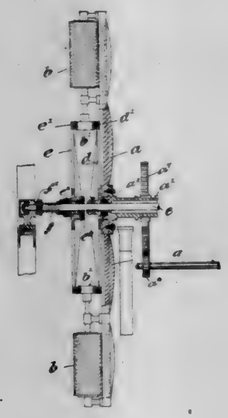
1. In a wireless transmitter the combination of an oscillating valve, a circuit containing a source of direct current supply for said valve, and signaling means for variating the amplitude of the oscillations of said valve while maintaining a frequency constant, said signalling means comprising a resistance interposed between said source of supply and said valve and an interrupter for short circuiting said resistance.

1,566,658. CAMERA. HARRY R. DURYEA, Pittsford, N. Y., assignor of one-half to Allyn T. Gilbert, Newark, N. J. Filed Aug. 28, 1922. Serial No. 584,825. 22 Claims. (Cl. 95—82.)



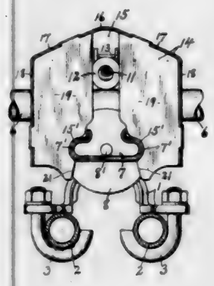
1. A photographic camera having inner and outer exposure defining frames, one of which is movable in a path perpendicular to the plane of the other, and an extensible and collapsible guard, between the frames and a single holder for the sensitized material supported in fixed relation to the outer exposure defining frame and adapted to support the material in proper optical relation to the lens of the camera for any relative adjustment between the two exposure defining frames.

1,566,659. BALANCED FRICTION DRIVING MECHANISM FOR ACTUATING ROTARY BRUSHES, ROLLERS, AND SUCH LIKE. JOSEPH DUTTON, Manchester, England. Filed Sept. 16, 1924. Serial No. 737,981. 3 Claims. (Cl. 15—40.)



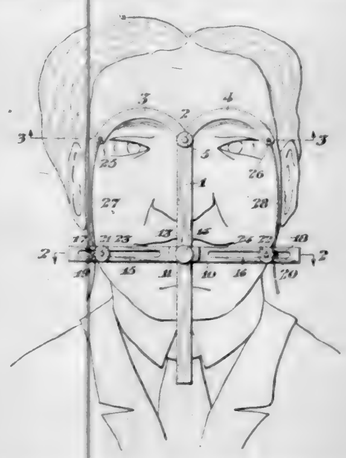
1. A device of the character described, comprising, in combination, a driving shaft, a disk mounted on said shaft for rotation relatively thereto, a plurality of rotatable brushes radially disposed on said disk and adapted to be moved bodily around the axis of the disk, a friction disk secured to said shaft for rotation therewith, means in engagement with said friction disk for rotating said brushes on their own axes, and gearing between said shaft and first disk for rotating the latter.

1,566,660. PIPE CARRIER FOR RAILWAY SIGNAL SYSTEMS. JOHN C. EDWARDS and WILLIAM F. BOSSERT, Utica, N. Y., assignors to Signal Accessories Corporation, Utica, N. Y., a Corporation of New York. Filed Apr. 10, 1925. Serial No. 22,034. 6 Claims. (Cl. 308—7.)



1. A hood for pipe carriers having top, side and end walls, two of the opposite walls being divided vertically from bottom to top, the top wall extending across the division.

1,566,661. DENTAL DELINEATOR. NORMAN S. ESSIG, Philadelphia, Pa., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 15, 1920. Serial No. 366,073. 5 Claims. (Cl. 33—174.)



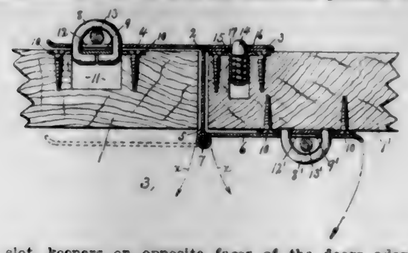
1. A device of the class described, comprising a standard having laterally extended arms, a cross-bar adjustable longitudinally on said standard and extending laterally upon opposite sides thereof, and a pliant connection between the respective arms and said cross-bar, conformable to the contour lines of the human face.

1,566,662. TWO-WAY LOCK. CHARLES A. FAIRAND, Watertown, N. Y. Filed Feb. 25, 1925. Serial No. 11,491. 1 Claim. (Cl. 292—281.)

A double door lock of the character described, comprising a T-shaped plate having its stem adapted to pass between the meeting edges of the doors and its branches adapted to overlap upon the adjacent sides of the doors, one of said branches being provided with a slot, a hasp

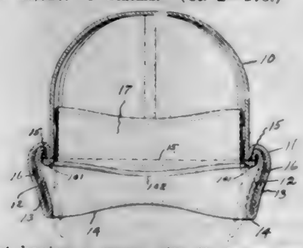


hinged to the stem to swing to and from a position across the opposite face of one of the doors and provided with



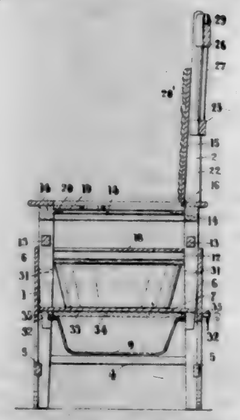
a slot, keepers on opposite faces of the doors adapted to enter the adjacent slots and locking members engaging said keepers.

1,566,663. HAT. ROBERT FINKELSTEIN, Brooklyn, N. Y., assignor to Herschberg & Company, New York, N. Y., a Corporation of New York. Filed Apr. 2, 1925. Serial No. 20,027. 5 Claims. (Cl. 2—175.)



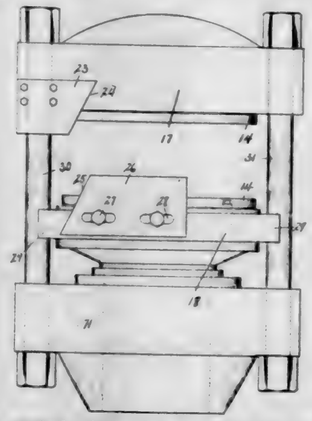
1. A hat having a crown with its lower portion substantially vertical and its lower edge generally horizontal with a cut-out at each side of the crown above the position of the wearer's ears, and a brim connected to the lower edge of the crown and extending outwardly and downwardly below the lower edge of the crown.

1,566,664. COMBINED OR CONVERTIBLE FURNITURE. CHARLES FREAKES, London, England. Filed Mar. 9, 1925. Serial No. 14,321. 6 Claims. (Cl. 155—88.)



1. An article of furniture including a lower section having parallel legs and sides rigidly connected to each other and having a compartment at the top thereof, an upper section in the form of a chair having a bottom and parallel legs, said legs being slidably received in the lower section, the bottom of said chair forming a cover for the top of said compartment in the lower section when the upper section is in its lowermost position, and means for releasably holding the chair section elevated above its lowermost position in the lower section.

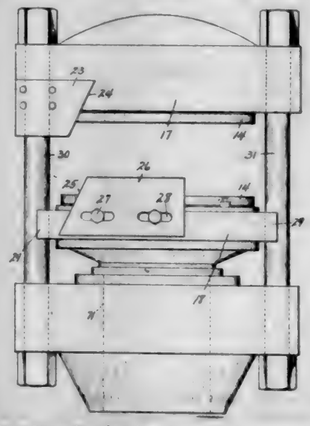
1,566,665. METHOD OF PRODUCING RUBBER ARTICLES. ALLEN H. FROST and CHARLES FRED FENLASON, Jr., Malone, N. Y. Filed Nov. 13, 1922, Serial No. 600,642. Renewed Nov. 7, 1925. 15 Claims. (Cl. 18—56.)



1. The method of forming annular tubes of rubber comprising uniting the edges of two annular strips of plastic rubber stock by the application of pressure to form an endless tube, then subjecting the tube to the application of external heat, introducing air under pressure into the interior of the tube during such heating, permitting the discharge of such air from the tube, and thereafter alternately admitting steam under pressure to the interior of the tube, and permitting the discharge of steam from the interior of the tube.

2. The method of forming annular tube of rubber, comprising homogeneously uniting the edges of two annular strips of plastic rubber stock by the application of high pressure and simultaneous relative rotary movement to thereby form an endless tube, then placing the tube in a curing mold, and thereafter curing the tube.

1,566,666. APPARATUS FOR PRODUCING RUBBER ARTICLES. ALLEN H. FROST and CHARLES FRED FENLASON, Jr., Malone, N. Y. Filed Nov. 13, 1922. Serial No. 600,643. 7 Claims. (Cl. 18—19.)



1. In an apparatus for forming endless tubes of rubber, two cooperating annular mold sections, means for bring-

ing said mold sections into pressing co-action, and means for causing a rotary movement of one of said sections while in pressing co-action with the other section.

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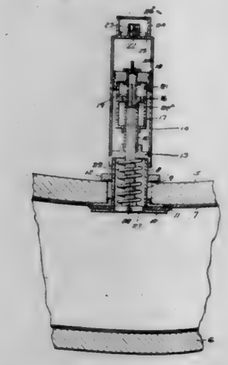
1,566,667. AUTOMATIC AIR PUMP FOR MOTOR-VEHICLE TIRES. FREDERICK F. FULLER, Govert, S. Dak. Filed Apr. 23, 1924. Serial No. 708,490. 1 Claim. (Cl. 152—11.)



An automatic tire inflating pump comprising a tubular member constructed to have air tight connection with the inner tube of a tire, a cylinder attached thereto, a tube fixed with relation to the cylinder and projecting thereinto, a piston upon the end of said tube, a piston in the first named cylinder, a movable cylinder carried by the last named piston and embracing the first named piston, a hollow piston rod by which the last named piston is carried and which slides through said tube, a pressure head upon the inner end of the hollow piston rod, which is slidable in the tubular member, a spring bearing upon the pressure head for effecting a movement, thereof, in one direction, check valves at each end of the hollow piston rod and a check valve opening into the first named cylinder, there being, ports formed in the hollow piston rods between the two pistons.

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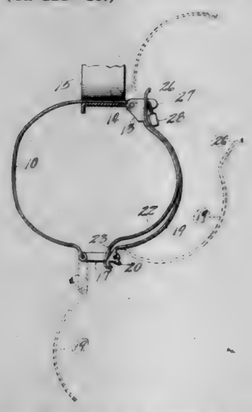
1,566,668. RIM AND TIRE CLAMP. OTTO GLASS, Rosebud, Tex. Filed Dec. 29, 1924. Serial No. 758,552. 5 Claims. (Cl. 224—29.)



1. In a spare tire and rim clamp, an arcuate supporting member adapted to be secured at one end to a fixed part, an arcuate arm pivoted adjacent the secured end of said member, a locking lever pivoted at the free end of said member and extending substantially concentric to said arm, a fulcrum member carried by said lever to engage the free end of said arm, and means for securing the free end of said lever adjacent the pivot of said arm.

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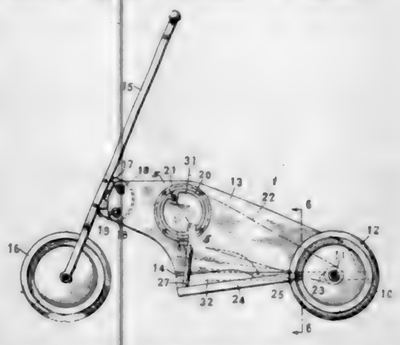
1,566,669. TREADLE-OPERATED VEHICLE. ALONZO M. GREENE, New London, Conn. Filed Dec. 29, 1922. Serial No. 609,567. 9 Claims. (Cl. 208—34.)



1. In a vehicle, a flat vertically disposed body, treadles pivoted at opposite sides thereof, bearing rings secured at opposite sides of said body, a rotatable member supported in said body by said bearing rings, links connecting said treadles and said rotatable member, a shaft mounted near the rear of said body, and a driving connection in said body between said rotatable member and said shaft.

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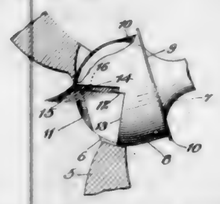
1,566,670. DOLL EYE. LEO J. GRUBMAN, Belle Harbor, N. Y., assignor to Grubman Engineering & Manufacturing Co. Inc., Long Island City, N. Y., a Corporation of New York. Filed Feb. 27, 1925. Serial No. 11,909. 7 Claims. (Cl. 46—40.)



7. An eye for dolls having a part provided with a slot therein, eyelashes having an edge thereof positioned through said slot and fixed with relation to said part, and means extending along one edge of said slot and underlying the eyelashes in spaced relation to said fixed edge thereof to sustain said lashes in a definite angularly projecting position with respect to said slot.

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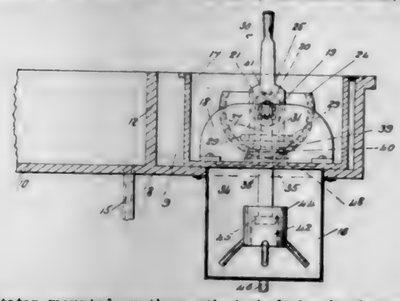
1,566,671. WASHING MACHINE. EDWARD L. GUSTAFSON, Holdrege, Nebr. Filed Feb. 11, 1925. Serial No. 8,463. 2 Claims. (Cl. 259—101.)

1. The combination, with a stationary supporting vessel, and a wash tub secured to the bottom thereof; of a removable box hinged at its top edge to the top edge of the said vessel and adapted to rest on the bottom of it, said box being provided with a removable section in its bottom over the wash tub, a horizontal shaft arranged inside the box, a beveled toothed segment supported on the said shaft, a removable handle for oscillating the toothed segment, a beveled toothed wheel meshing in the toothed segment and journaled in the said removable section, a vertical shaft revolved by the said wheel, an



agitator mounted on the vertical shaft inside the wash tub, and a lid which closes the removable box when the operating handle is removed from the toothed segment.

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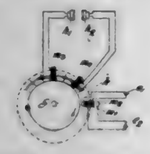
1,566,672. METHOD OF INVESTIGATING MECHANICAL IMPULSES SUCH AS SOUND WAVES. WALTER HAHNEMANN, Kitzeberg, near Kiel, Germany, assignor to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany, a Firm. Filed July 20, 1922. Serial No. 576,310. 8 Claims. (Cl. 181—26.)



7. The binaural method of making observations from acoustic impulses, which comprises employing two mutually unscreened receivers separately communicating with the ears of the observer and on a stationary base of sufficient length to produce separate sound impressions in the ears of the observer, and bringing the sound impressions over from the zone of separated impressions into the zone of change-over from extreme right impression to extreme left impression and vice versa by means of a traveling sound impression recorded in combination with a plurality of sound impression collectors adjustable relatively to each other.

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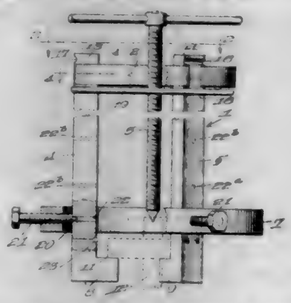
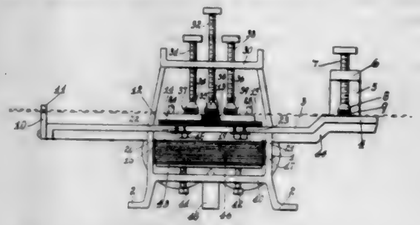
1,566,673. GEAR AND PULLEY PULLER. FRANK J. HEINRICH, Yakima, Wash. Filed Jan. 24, 1922. Serial No. 531,458. 5 Claims. (Cl. 29—85.)



1. A combined gear and pulley puller including a head, arms removably connected thereto, and means for holding said members removably connected, said means consisting of a resilient open ring.



1,566,674. ELECTRIC BRAZING APPARATUS. FELIX J. HORTA, Oakland, Calif. Filed Feb. 11, 1922. Serial No. 535,722. 2 Claims. (Cl. 219—4.)



1. In an electrical brazing apparatus, a frame, a table mounted on said frame, said table including a pair of terminal plates mounted thereon and insulated therefrom, an insulated supporting element mounted on said table between said terminal plates, clamping means located above said terminal plates for holding the two pieces of a broken article in position, and means connected to said terminal plates for conducting an electric current through said plates for brazing said article.

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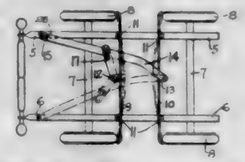
1,566,675. BABY-CARRIAGE BRAKE. MICHAEL KAHNE, New York, N. Y. Filed Aug. 9, 1924. Serial No. 731,167. 4 Claims. (Cl. 188—20.)



1. In combination with a baby carriage, a braking device comprising a pair of resilient wheel engaging members pivoted near their outer ends, a movable hand lever pivoted to one of said members, and adapted to swing on its pivot point, and means connecting said other wheel engaging member and said lever whereby when the latter is moved in one direction both of said resilient members will be caused to brake said wheels, and means for locking said hand lever to one of the handle bars of the carriage when the brake is applied.

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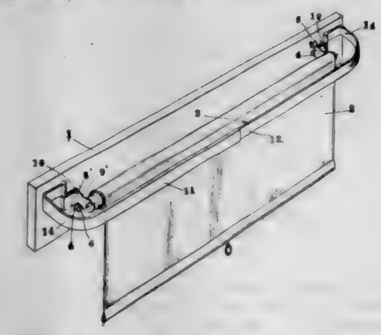
1,566,676. SHADE BRACKET AND CURTAIN ATTACHMENT. MADS M. LARSEN, Colton, Calif. Filed Nov. 22, 1923. Serial No. 676,317. 8 Claims. (Cl. 156—24.)



1. In a shade support, a wall element comprising a screw and an upstanding square stud adapted to interfit with a shade engaging element vertically slidable thereon,

and a shade-engaging element slidably mounted thereon and comprising a sleeve adapted selectively to interfit with said stud, said shade-engaging element being provided with a plurality of square sleeves aranged in a linear series.

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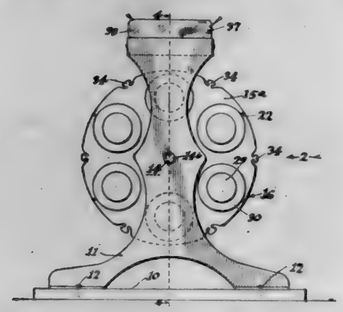
1,566,677. THREAD HOLDER AND PINCUSHION. MADS M. LARSEN, Colton, Calif. Filed Jan. 6, 1925. Serial No. 812. 6 Claims. (Cl. 242—137.)



1. A holder for spools of thread, comprising in combination a thread compartment formed substantially cylindrical with a closed wall at one end and an opening at the other through which spools may be inserted, a spool holding spindle having a spindle rod, a handle at one end of the rod, a flange at the handle and adapted to close the open end of the cylinder and means to secure the other end of the spindle rod to the closed end of the cylinder.

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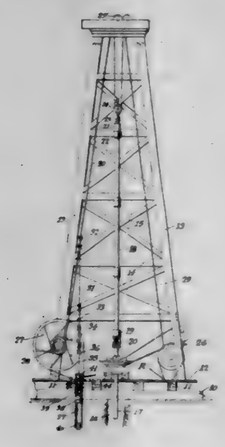
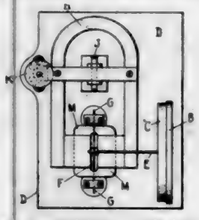
1,566,678. AUTOMATIC HOIST FOR ROTARY DRILL PIPES. HOMER L. LATIMER, Whittier, Calif. Filed Feb. 28, 1925. Serial No. 12,262. 4 Claims. (Cl. 254—145.)



1. In a drilling derrick, a hoist comprising a crown block and a traveling block, a line extending over said blocks having one end secured to an object upon the derrick providing a dead line and the other end secured to a hoisting means, and means for causing the dead line to exert a tension capable of lifting a stand of pipe after the hoisting means has ceased operation.

1,566,679. TELEPHONE. NORMAN WILLIAM MCLACHLAN, Rochester, Great Leighs, Chelmsford, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed Aug. 13, 1923. Serial No. 657,098. 13 Claims. (Cl. 179—117.)



1. A telephone comprising a soft iron reed so mounted that it can turn between the poles of a rotatably mounted magnet, which poles contain coils through which a current can be passed, and a diaphragm connected to the reed.

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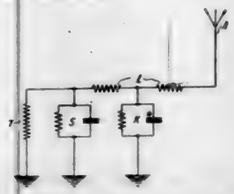
1,566,680. SENDING ARRANGEMENT. ALEXANDER MEISSNER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed Sept. 3, 1921. Serial No. 498,421. 7 Claims. (Cl. 250—17.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A sending arrangement for wireless telegraphy and telephony comprising a grounded antenna, a grounded loop circuit connected to the antenna in parallel with its grounded portion and tuned to the fundamental frequency of the arrangement, a second grounded loop circuit connected to the antenna in parallel with said first-mentioned circuit and also tuned to said fundamental frequency, and an inductance in the antenna between the points of connection of said loop circuits therewith.

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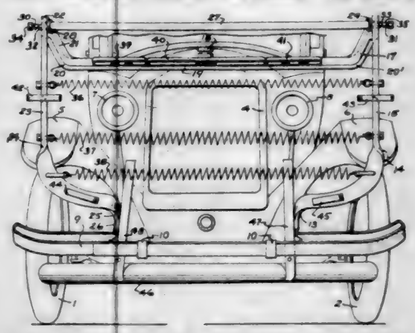
1,566,681. PROTECTIVE DEVICE FOR VEHICLES. WALTER J. MOORE, Brooklyn, N. Y. Filed Apr. 18, 1924. Serial No. 707,347. 24 Claims. (Cl. 293—52.)



1. The combination with a vehicle, of mud guards adjacent the forward end thereof and a collision screen comprising upstanding frame members mounted upon said mud guards, each of said members being of sheet metal of greater width at the bottom than at the top, and so disposed as to be edgewise to the line of vision of the operator and collision members extending between said frame members.

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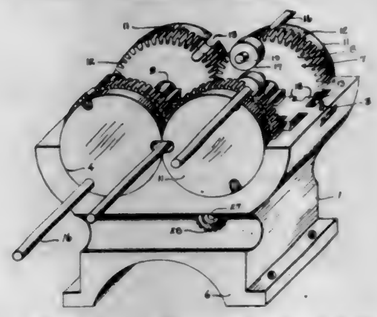
1,566,682. CANDY-PULLING MACHINE. CHARLES G. W. NITZ, Milwaukee, Wis. Filed Oct. 25, 1923. Serial No. 670,669. 7 Claims. (Cl. 107—30.)



6. A device of the character described comprising a housing formed with a plurality of substantially horizontal bearing elements, rotatable members supported by said bearing elements, and a plurality of floating candy pulling members carried by the rotatable elements and extending axially from each end thereof, said floating members being transferable between said rotatable members to move in paths approximating the figure 8.

7. A candy pulling machine comprising a housing carrying drums which are substantially horizontally and revolubly mounted side by side, each of said drums formed with notched heads, the notches in adjacent heads at one end of the housing being in staggered relation to the notches in the heads at the other side of the housing, floating candy pulling members carried in the notches, means for transferring the floating members from one drum to the other at predetermined times, and means for rotating the drums simultaneously in opposite directions.

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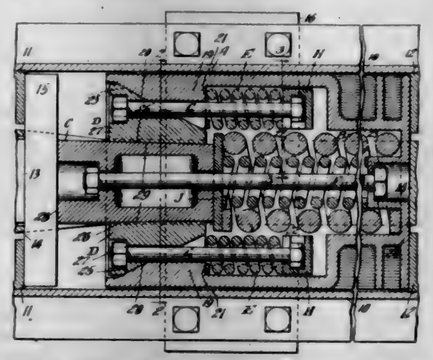
1,566,683. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Nov. 13, 1922. Serial No. 600,564. 5 Claims. (Cl. 213—36.)



1. In a friction shock absorbing mechanism, the combination with a friction shell having inwardly converged wedge faces; of a pressure-transmitting friction plunger tapered toward its inner end; a main spring resistance; friction gripping elements interposed between said plunger and said wedge faces of the shell; additional spring resistance elements; and spring pressure-transmitting means coacting with said additional spring resistance elements and friction gripping elements, said last named means being adapted to hold said gripping elements assembled with the shell.

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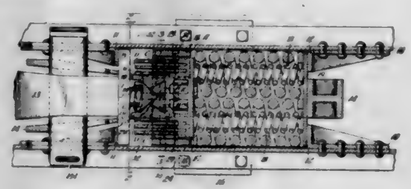
1,566,684. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 14, 1922. Serial No. 606,923. 9 Claims. (Cl. 213—33.)



1. In a friction shock absorbing mechanism, the combination with a follower-acting member; of a series of relatively stationary friction elements anchored thereto and responsive to pressure applied transversely thereof; a series of relatively movable friction elements intercalated with said stationary friction elements; a main spring resistance; an outer follower movable relatively toward and from said follower member; and a pressure-transmitting-wedge-system interposed between said outer follower and the spring resistance, arranged to exert pressure transverse to said intercalated friction elements, said system including wedge shoes coacting with said element; an expandible wedge coacting with said shoes and means for expanding said wedge to automatically adjust the same with respect to said shoes, to compensate for wear on the friction elements.

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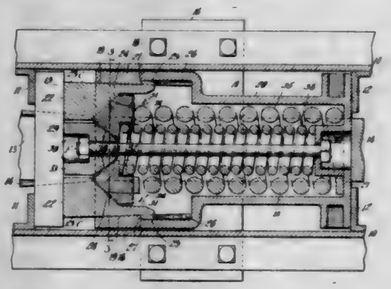
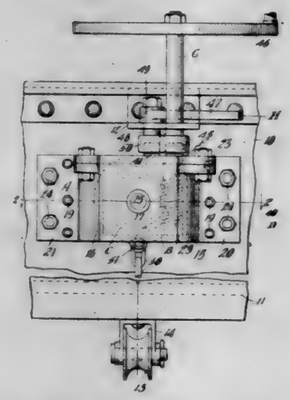
1,566,685. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Jan. 19, 1923. Serial No. 613,623. 6 Claims. (Cl. 213—32.)



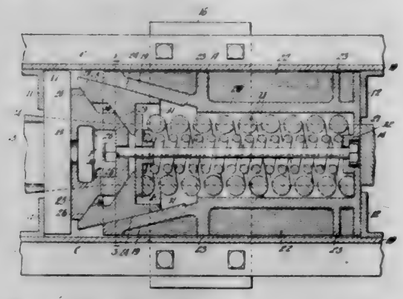
1. In a friction shock absorbing mechanism, the combination with a friction shell having opposed interior friction surfaces converging slightly inwardly of the mechanism; of a spring resistance; an outer follower, said follower and shell being movable relatively to each other; wedge friction shoes engaged by said follower and movable longitudinally inwardly of the shell on the friction surfaces thereof; a wedge pressure transmitting members movable with said follower; and auxiliary wedges having wedging engagement with said pressure transmitting member and said wedge shoes.

1,566,686. HAND BRAKE. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 28, 1923. Serial No. 653,112. 6 Claims. (Cl. 74—119.)



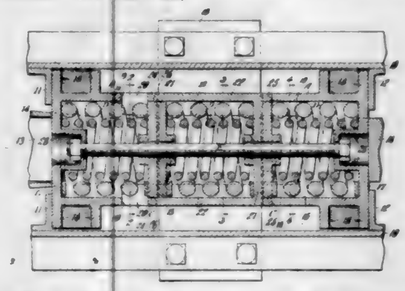
1. In a hand brake, the combination with a drum upon which the brake chain is adapted to be wound; of operating means for said drum, including a worm and worm wheel; automatically operated means for connecting said operating means to the drum; and manually operated means movable independently of said first named means for disengaging said automatically operated means from the drum to release the brakes.

1,566,687. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Oct. 12, 1923. Serial No. 668,055. 1 Claim. (Cl. 213—26.)



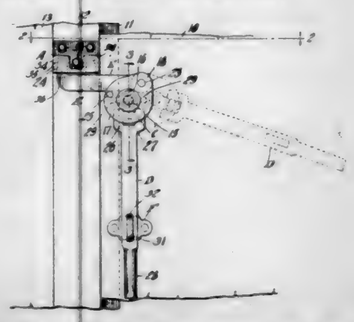
In a friction shock absorbing mechanism, the combination with a casing having a pair of opposed flat, inwardly converging wedge faces, said faces being disposed at relatively keen angles with reference to the axis of the mechanism; of a wedge pressure transmitting element adapted to directly cooperate with a main follower, said element having tandem arranged pairs of wedge faces disposed at relatively blunt angles with reference to said axis, said tandem arranged faces of each pair being spaced longitudinally apart and arranged respectively at the inner and outer ends of the wedge pressure transmitting element; a pair of friction wedge shoes, each having a wedge face coacting with the corresponding wedge faces of said pressure transmitting element, said shoes being laterally slidable on the wedge faces of said wedge pressure transmitting element, said shoes being spaced apart transversely of the mechanism to permit lateral approach thereof during a compression stroke; and a spring resistance opposing inward movement of said shoes.

1,566,688. SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 8, 1923. Serial No. 679,309. 7 Claims. (Cl. 213—48.)



1. In a shock absorbing mechanism, the combination with relatively movable end followers; a plurality of intermediate followers movable in unison with each end follower, all of said intermediate followers being separable from said end followers; and spring resistance means coacting with the respective followers.

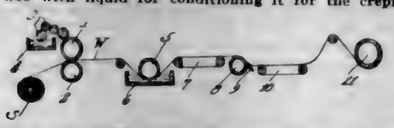
1,566,689. SIDE-DOOR OPERATING AND HOLDING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 8, 1923. Serial No. 679,310. 9 Claims. (Cl. 292—113.)



1. In an operating and locking mecahnism for a sliding door, the combination with pivoted operating means for opening and closing said door including a lever; means for locking the lever in a predetermined position; an abutment on the car structure; an engaging member swingably connected to said operating means; and an abutment element on said operating means for positively holding said member engaged with said abutment when the lever is in locked position.

1,566,690. METHOD OF MAKING DECORATED CRÊPE PAPER. JOHN L. PERKINS, Holyoke, Mass., assignor to American Tissue Mills, Holyoke, Mass., a Corporation of Massachusetts. Filed Dec. 30, 1924. Serial No. 758,931. 3 Claims. (Cl. 41—26.)

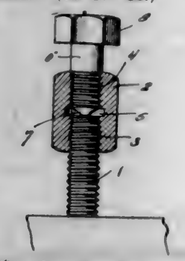
3. The method of producing ornamented crêpe paper web which consists, in leading the web onto an offset roll and printing therefrom a design on said web, in treating the web with liquid for conditioning it for the crêping



operation, and finally leading the paper web over a drum and removing it therefrom by a scraper to crêpe the said web to vary the design carried thereby.

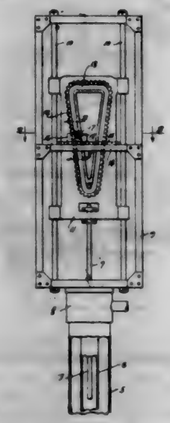


1,566,691. STUD-BOLT TOOL. WILLIAM PERRY, Provincetown, Mass. Filed Nov. 21, 1924. Serial No. 751,312. 1 Claim. (Cl. 81—53.)



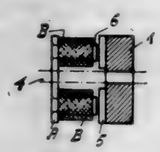
A device of the class described comprising a sleeve, the lower portion thereof being internally threaded in one direction for threaded engagement with the outer end of a stud bolt, the upper portion of the sleeve being internally threaded in the opposite direction, said sleeve having a recess provided therein for separating the oppositely threaded portions thereof, and a locking bolt threaded in the upper portion of the sleeve and having its lower end cone-shaped and terminating in the recess so as to provide a pointed terminal to engage the outer end of the stud bolt for preventing the rotation of the sleeve on the stud bolt when the outer end of the stud bolt is threaded in the lower portion of the sleeve, whereby the sleeve and stud bolt are adapted for simultaneous rotation when an implement engages and rotates the sleeve.

1,566,692. OPERATING HEAD FOR PUMPS. JOHN T. PHIPPS, Huntington Park, Calif. Filed Apr. 15, 1925. Serial No. 23,257. 2 Claims. (Cl. 74—14.)



1. In a reciprocating operating mechanism of the character described, the combination of a frame, a carriage mounted to be reciprocated therein, said carriage having an endless internally toothed track provided at one end with a substantially straight portion transverse to the path of the reciprocation of said carriage, and a laterally slidable driving gear in engagement with said track.

1,566,693. MAGNETO-ELECTRIC MACHINE. OTTO PLETSCHER, Albisrieden, near Zurich, Switzerland. Filed Apr. 11, 1922. Serial No. 551,685. 1 Claim. (Cl. 171—252.)

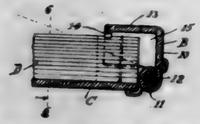


In a magneto electric machine, an electro-maguet and a permanent magnet arranged in confronting relation and for relative rotation, said permanent magnet being a circular disc and being provided, on the side opposed to the pole pieces of the electro-magnet with a groove extending centrally thereacross at right angles to the axis of rotation and thereby forming polar projections of relatively large superficial area.

1,566,694. METHOD OF ELECTROLYTICALLY PRODUCING ALUMINUM. JOHN B. RAILSBACK, Shreveport, La. Filed Oct. 20, 1924. Serial No. 744,827. 6 Claims. (Cl. 204—20.)

1. A bath for use in the production of aluminum comprising compounds of aluminum, and a metal whose oxide is not reducible by aluminum.

1,566,695. PAD HOLDER. CHARLES T. RASCHICK, St. Paul, Minn. Filed June 16, 1922, Serial No. 568,735. Renewed Nov. 11, 1925. 5 Claims. (Cl. 129—35.)



1. A clamp including a back, a jaw member hingedly connected to said back, resilient means for forcing said jaw member toward said back and stops formed on the ends of said jaw member and adapted to engage said back for limiting the movement thereof.

1,566,696. DISPENSING DEVICE. ARTHUR I. REID, Stockton, Ill. Filed Feb. 18, 1924. Serial No. 693,638. 1 Claim. (Cl. 221—60.)

A dispensing device comprising an open ended cylindrical casing adapted to contain a tube of shaving cream, an internal longitudinally curved abutment within the casing adapted to engage one side of said tube, said cas

ing being provided at a substantially diametrically opposite point with an opening in its wall, an elliptical spring interposed between the tube of cream and wall of the casing at a point substantially diametrically opposite the aforesaid abutment, a thumb-button carried by one stretch of said spring and projectable through the opening in the casing, a removable plug closing the lower end of said casing, and a socketed member closing the opposite end of the casing.

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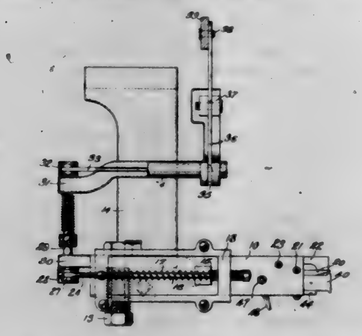
1,566,697. WEFT-DETECTING MECHANISM. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 9, 1923. Serial No. 618,137. 8 Claims. (Cl. 139—270.)



1. In a loom, a weft detecting mechanism comprising a movable support, fixed and movable detectors mounted thereon, a supplementary weft contact member movably mounted on said support, means to hold said contact member from relative forward movement on said support when engaged by a weft carrier having a predetermined amount of weft thereon, thereby rendering said fixed and movable detectors inoperative, and means to disable said third member and to thereby render said fixed and movable detectors operative upon a predetermined weft depletion.

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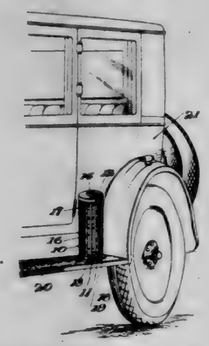
1,566,698. HOLDER FOR THERMOS BOTTLES AND THE LIKE. LEWIS SAIGER and MARKS RUSSELL, Johnstown, N. Y. Filed Nov. 24, 1924. Serial No. 751,972. 1 Claim. (Cl. 224—29.)



A holder of the character described of general cylindrical form including two semi-cylindrical sections one of which is shiftable circumferentially within the other, said sectons having slatted walls and spaced opposing end pieces of substantially circular form, connections axially of the said end pieces forming the movable pivots of the inner section, article engaging spring means carried by one of the end pieces of the inner section, and a spring controlled locking dog movably mounted upon one of the end pieces of the outer section and shiftable between slats of the inner section to lock the latter against movement.

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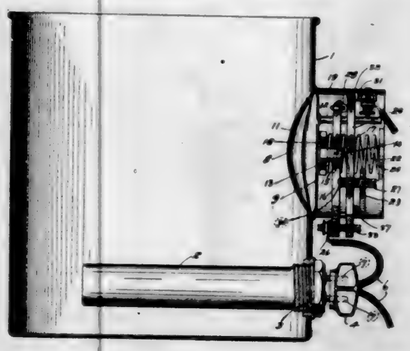
1,566,699. THERMOSTATIC CONTROL. EDWARD A. SCHOLTZ, San Francisco, Calif. Filed Apr. 22, 1924. Serial No. 708,256. 4 Claims. (Cl. 200—140.)



1. In a thermostatic control, a heat responsive element, a lever fulcrumed to follow the motions of said element, means for arresting the motion of one end of said lever and an arm pivoted near the free end of the lever having a contact thereon and allowing the free end of the lever to operate the same for opening and closing an electric circuit.

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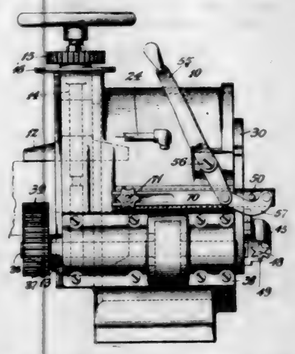
1,566,700. PIPE THREADING AND CUTTING-OFF MACHINE. CHARLES F. SCHMELZ, Bridgeport, Conn., assignor to Curtis & Curtis Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 8, 1924. Serial No. 754,498. 6 Claims. (Cl. 10—106.)



5. A machine of the character described, comprising a shell, a die carrier gear rotatable in said shell and having spaced bearing rings forming in conjunction with the interior wall of the shell an oil chamber, threading and cutting off dies carried by said gear, means for manually shifting said gear longitudinally within said shell, means for supplying oil to said chamber, and ducts leading from the latter to said dies for supplying oil to the dies.



1,566,701. DELIVERY APPARATUS. JOHN SCHUMACHER, Los Angeles, Calif. Filed Oct. 25, 1924. Serial No. 745,780. 10 Claims. (Cl. 214—6.)

1. In a device of the character described, a reciprocable carriage having an extensible endless conveyor belt mounted thereon, means to reciprocate said carriage, and control means actuable by the travel of goods on said belt to control the reciprocation of said carriage.

4. In a device of the character described, a supporting frame, a reciprocable carriage mounted to travel longitudinally, carriage rollers mounted on said carriage at the front and rear, a conveyor belt passed over said rollers, one-way means to prevent travel of said belt upon said carriage upon advance of the latter, one-way means to hold said belt stationary and cause it to travel upon said carriage on the retraction of the latter, and means to progressively raise the front carriage roller.

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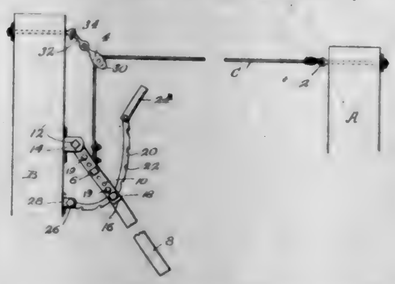
1,566,702. CLOTHESLINE ADJUSTER. WILLIAM A. SIMMONS, Pleasanton, Kans. Filed Sept. 15, 1924. Serial No. 737,827. 1 Claim. (Cl. 68—8.)



In a device of the character described, a stationary support, a lever operably associated with said support and having a series of transverse holes and a slot, an element adapted to be placed through any of said holes and to which a clothes-line is attached, a member fixed to the lever and extending through the slot therein, and a curved latch operably associated with the stationary support and having ratchet teeth for engaging said member secured to the lever to hold the latter at any point of its adjustment.

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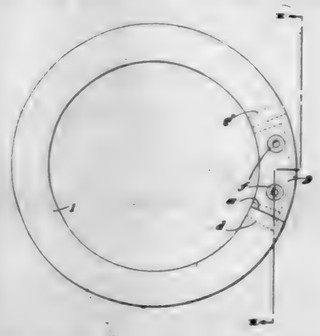
1,566,703. ILLUMINATING DEVICE FOR SIMULATING DAYLIGHT. ARTHUR REGINALD ST. CLAIR, Whitley Bay, England. Filed June 20, 1925. Serial No. 38,537. 4 Claims. (Cl. 240—1.)

1. A light filter for use with artificial light comprising a translucent medium having a tint lying between the following anayises according to Lovibond's tintometer:—Blue 3.50, red 0.05, and blue 6.0, red 0.50.

1,566,704. RUBBER FRICTION DRIVE RING. GEORGE M. STEVENS, San Francisco, Calif., assignor of one-third to John C. Balletti and one-third to William C. Anderson, both of San Francisco, Calif. Filed Sept. 17, 1924. Serial No. 738,317. 4 Claims. (Cl. 74—26.)



1. A soft rubber drive ring of the character described provided with a split joint, said joint comprising overlapping ends with a reinforcing plate vulcanized to each end arranged for bolting together, and the plate on each end extending beyond the overlapping of the joint into the solid body of the ring.

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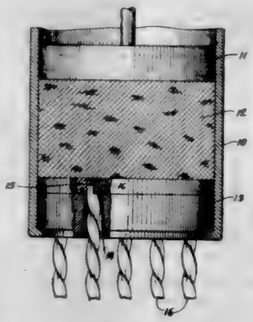
1,566,705. METHOD OF PRODUCING TWISTED MACARONI. GUIDO TANZI, Long Island City, N. Y., assignor to F. Maldari & Bro., New York, N. Y., a Corporation of New York. Filed June 13, 1922, Serial No. 567,998. Renewed May 15, 1925. 1 Claim. (Cl. 107—54.)



The method of producing spiral macaroni which consists in forming macaroni dough into thin strips, projecting said strips out of alignment and in close proximity to each other and retarding the flow of the edges of the strips, which are adjacent each other as compared with the flow of the free edges, whereby the adjacent edges are made to contact and adhere and the strip thus formed is given a spiral shape.

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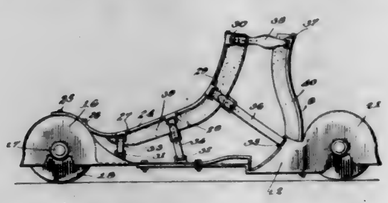
1,566,706. SKATE. CLIFFORD A. THOMAS, Yakima, Wash. Filed Jan. 7, 1925. Serial No. 1,065. 5 Claims. (Cl. 208—178.)

4. A skate of the character described comprising a foot plate consisting of a rear section having the rear end portion thereof downwardly offset, a front section slidably overlapping the front portion of the rear section, means for adjustably securing said lapped portions of

the front and rear sections of the foot plate together, means fixed to the rear section and upstanding from the downwardly offset rear end portion of the rear section for engaging the back part of the heel of a shoe of the wearer of the skate, the rearward end portion of the front section of the foot plate being curved upwardly and rearwardly adjacent to its rearward end to closely



contact with the arch portion of the sole of the shoe of the wearer, the extreme rearward end of the front section of the foot plate being bent downwardly into the downwardly offset portion of the rear section of the foot plate and being adapted to engage with the front face of the heel of the shoe of the wearer, and means for securing said foot plate to the foot of the wearer.

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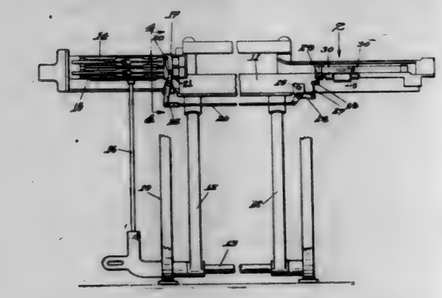
1,566,707. YARN-IMPINGING, LAY-ACTUATED, BOX-CONTROLLED WEFT DETECTOR. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 6, 1925. Serial No. 13,585. 5 Claims. (Cl. 139—233.)



2. In a weft detector for looms having shifting shuttle boxes, a yarn impinging member to contact with the yarn of an active shuttle, a lay actuated member operatively connected to the yarn impinging member, an eccentric mounted on the lay to cooperate with the lay actuated member, means to vary the position of the eccentric in timed relation with the active shuttle, and additional means to vary the setting of said eccentric with respect to said lay actuated member.

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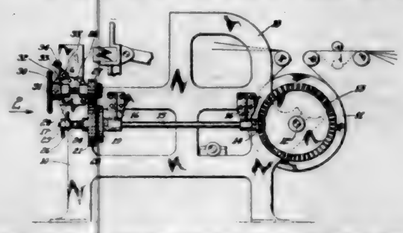
1,566,708. REWINDING DEVICE FOR LOOM LET-OFFS. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed July 27, 1925. Serial No. 43,569. 9 Claims. (Cl. 139—113.)

1. In a let-off mechanism for a loom having a warp delivery means, a pair of coacting friction elements to resist movement of the warp delivery means, one of said elements being operatively connected to and moving with the delivery means, a lock to hold the other element normally stationary but movable to release said second element, and means to reverse the second named element when the lock is moved to releasing position to cause a reverse movement of the warp delivery means, the con-



tacting portions of the friction elements being intermediate the warp delivery means and the means to reverse the second element.

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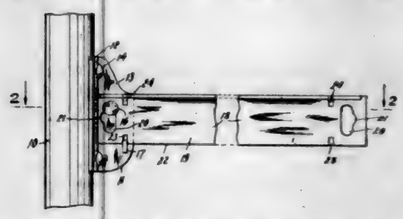
1,566,709. CORNER FASTENING FOR BEDSTEADS. DAVID WASSERMAN, Jersey City, N. J. Filed June 21, 1923. Serial No. 646,794. 1 Claim. (Cl. 5—299.)



A corner-fastening for bedsteads comprising a bracket for attachment to a cornerpost, a headed stud on said bracket, a lug formed on said bracket below said stud and at the side of the latter, and a side rail, angular in cross-section, having a slot in one of its flanges provided with an enlargement to permit the head of said stud to pass, said flange being furthermore provided in its free longitudinal edge with a notch in which said lug is adapted to be seated, said enlargement being centrally disposed in relation to said slot and said rail having an aperture at the junction of its flanges in alignment with said notch, thereby permitting said rail to be mounted upon said bracket either with its horizontal flange uppermost or lowermost.

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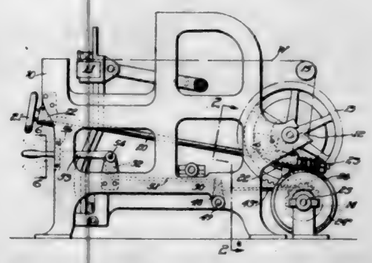
1,566,710. FRICTION LET-OFF FOR LOOMS. HERBERT H. WATSON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed May 4, 1925. Serial No. 27,719. 9 Claims. (Cl. 139—113.)



1. In a friction let-off for looms, a warp beam, a friction element movable therewith, a normally stationary friction element coacting with the first element to resist



forward movement of the warp beam, means to move the second element to reverse the movement of the warp beam, and means to adjust the pressure between said elements irrespective of the relative angular positions of said elements.

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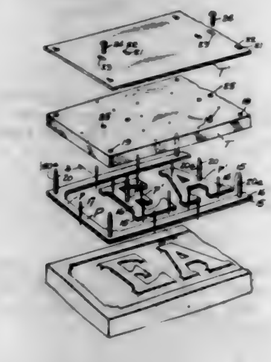
1,566,711. APPARATUS FOR SAND-BLAST CARVING. IRVING B. WELLINGTON, Los Angeles, Calif. Filed Apr. 1, 1925. Serial No. 19,946. 10 Claims. (Cl. 101—128.)



1. A pattern for sand blast carving comprising a laminated body having yieldable or compressible material disposed uppermost when the pattern is in applied position to a piece of work.

5. An apparatus for sand blast carving comprising a plurality of pattern elements, positioning pins projecting from the lower side of the elements for securing the elements to a piece of work in a manner to prevent movement of the elements on the work, and means by which the pattern elements can be removed from the work and maintained in fixed positions one with relation to the other to permit the application of the elements in the same positions to a second piece of work.

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1,566,712. MANICURE AND PEDICURE IMPLEMENT. ANDERS BRYNOLF WALDEMAR WENDT, Umea, Sweden. Filed Aug. 1, 1923. Serial No. 655,125. 1 Claim. (Cl. 30—23.)

A manicure or pedicure implement, comprising a handle and a cutting and scraping tool, said tool consisting of a bar inclined to the axis of the handle and having a longitudinal groove extending along the whole length thereof, said bar being beveled from the grooved side backwards so as to form a cutting and scraping edge of concave shape, substantially as described.

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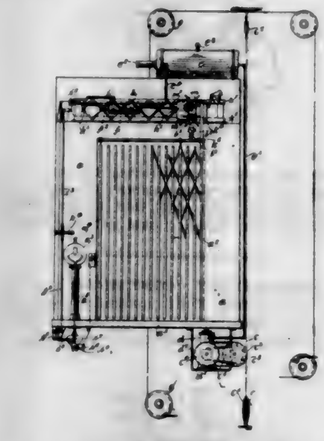
1,566,713. ELEVATOR. GLENN S. WILLIAMSON, Cedar Grove, N. J., assignor to Shur Loc Elevator Safety Co., Inc., New York, N. Y., a Corporation of New York. Filed June 15, 1922. Serial No. 568,396. 17 Claims. (Cl. 187—52.)



1. In an elevator, the combination of a car, elevator mechanism for operating the car, a car door, an air compressor in such operative relation with the elevator mechanism that its operation will be determined by the movement of the car and transmitting devices through which the power developed by the air compressor is applied to the movement of the door.

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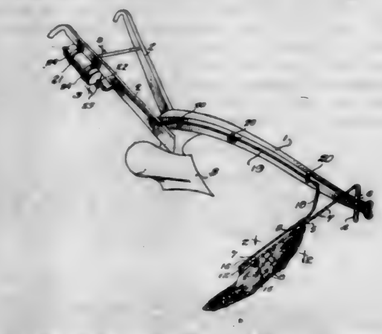
1,566,714. INSECT EXTERMINATOR. STEPHEN A. WILSON and EPHRIOM H. MARSH, Egypt, Ga. Filed Aug. 6, 1924. Serial No. 730,497. 2 Claims. (Cl. 299—30.)



1. A boll weevil exterminator comprising a substantially L-shaped supporting member adapted to be secured to an agricultural implement and extend laterally therefrom, a sheet of fabric secured to said arm and depending therefrom, clamps mounted on said supporting member, said clamps being laterally adjustable, a perforated pipe carried by said clamps, a tank adapted to be mounted on the implement, and a conduit connecting said pipe and said tank.

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1,566,715. PERMUTATION VAULT LOCK. JOHN WINKLER, Philadelphia, Pa. Filed Mar. 14, 1925. Serial No. 15,446. 2 Claims. (Cl. 70—53.)

1. In a device of the character stated a vault door, a plurality of radially disposed locking bolts slidably

carried therein, rotatable permutation tumblers seated within said door in alignment with the edges of each of said locking bolts, a dial carried by the outer ends of

said tumblers for properly positioning the same, a central operating shaft extending through the door, actuating means carried by said shaft and means carried by each of said bolts for engaging said actuating device.

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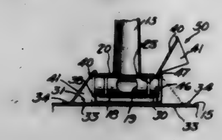
1,566,716. SWINGSPOUT CONTAINER. OZRO N. WISWELL, Los Angeles, Calif., assignor to Swingspout Measure Co., a Corporation of California. Filed May 18, 1922. Serial No. 561,854. 3 Claims. (Cl. 221—26.)



1. In a pouring attachment for a container; two projecting members adapted to be secured to a container, at least one of said projecting members having a passage adapted to communicate with the interior of a container; a tube of uniform diameter having its ends secured to said projecting members and communicating with said passage, said tube having spaced exterior peripheral grooves and an intermediate opening in its side wall; and a sleeve carrying a spout communicating with its interior and rotatably mounted on said tube and having interior peripheral beads intermeshed in said grooves of the tube to maintain the ends of said sleeve out of contact with the projecting members and the sleeve against longitudinal movement on said tube, said spout being adapted to register with said opening in the tube when brought to pouring position.

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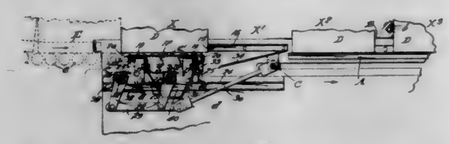
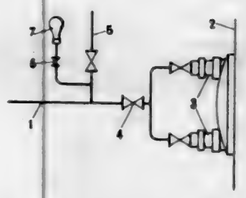
1,566,717. BOTTLE-FEEDING MECHANISM. FRANK F. WOLF, Buffalo, N. Y. assignor to Rice & Adams Corporation, Buffalo, N. Y. Filed Jan. 8, 1923. Serial No. 611,218. 7 Claims. (Cl. 198—219.)



6. The combination with a machine for treating bottles in cases, said machine having reciprocating feed means for passing said cases therethrough, and a conveyor for delivering said cases in contact, one behind the other to said machine, of a stop for successively arresting the cases as they are discharged from said conveyor, a fixed support adjacent to and beyond said stop, and means for successively lifting said cases away from said stop and depositing them on said support and then moving them from said support to a position to be engaged by said reciprocating feed means.

1,566,718. SAFETY DEVICE FOR BLAST-FURNACE GAS PIPES. FRIEDRICH WOLFF, Berlin, Germany. Filed May 21, 1925. Serial No. 31,981. 1 Claim. (Cl. 158—7.)



A safety device for blast furnaces comprising a gas supply pipe, having a valve, burners supplied by said pipe, a venting duct leading from the said supply pipe, and having a valve, a test burner, connected with the said supply pipe and having a valve, the said valve of the gas supply pipe being arranged between the venting duct and test burner connecting point and the first named burners.

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1,566,719. REMOVABLE HANDLE FOR UTENSILS. ELINOR M. WRIGHT and JOHN W. WRIGHT, San Francisco, Calif. Filed Nov. 15, 1924. Serial No. 750,083. 1 Claim. (Cl. 16—114.)

A device of the character described, comprising a sectional member composed of contiguously and longitudinally disposed sections bearing, respectively, longitudinally extending grooves adapted to fit around a utensil bail, and retaining spring elements adapted to maintain said sections in hinged relationship upon said bail, said retaining spring elements comprising a pair of flat spring clips in the form of staple-like members provided with sharpened ends adapted for insertion into respective sections of said sectional member and serving as the medium through which the sections of said sectional member are maintained against each other in longitudinal alignment, the spring urge of said clips being of sufficient strength to secure the said sectional member in closed relationship upon the utensil bail.

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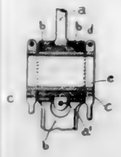
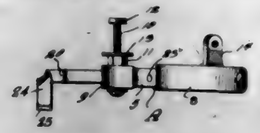
1,566,720. BEARING FOR ARTICULATION OF THREE CONNECTING RODS. JEAN EDOUARD ANDREAU, Leognan, France. Filed Oct. 2, 1925. Serial No. 60,050. 1 Claim. (Cl. 74—17.)



A triple connecting rod assembly comprising the main connecting rod, a tubular bushing clamped in the end thereof, the second connecting rod having a forked end journalled on the exterior of said bushing laterally of the first connecting rod, a second bushing journalled in the first bushing and extending beyond the ends of the latter, and the third connecting rod having a forked end connected to ends of the second bushing.



1,566,721. SHUTTLE LOCK. JOSEPH C. AYOTTE, Biddeford, Me. Filed Feb. 12, 1923. Serial No. 618,651. 1 Claim. (Cl. 139—186.)



A lock for shuttles of looms comprising a rocking body including an arm, a barrel formed on one end of the arm, a pivot bolt carried by said barrel, an arcuate extension formed on the opposite end of the arm, a shoe carried by said extension, a pad secured to said shoe, an arcuate resilient tensioning arm, means adjustably and detachably connecting said arm to the arm of the rocking body, and a right angularly extending foot formed on the free end of said tensioning arm.

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1,566,722. SCAFFOLD BRACKET. CHARLES W. BALLMAN, Indianapolis, Ind. Filed Aug. 6, 1923. Serial No. 656,010. 2 Claims. (Cl. 304—35.)

1. A unitary collapsible and adjustable scaffold bracket comprising a bar having an end extending angularly thereof, bar means pivotally associated at one end with said angular end and having rung engageable portions at the other end, a stop upon the other end of the bar, said bar having a plurality of recesses in longitudinal arrangement adjacent said stop, a ring engageable reversible hook having oppositely positioned rung engaging portions and slidably supported upon said bar and a locking plunger permanently carried by said hook and receivable by any one of said recesses for locking said hook in the desired position, said hook being permanently secured to said bar by said stop, said bar means and hook being movable into collapsed position and said angular portion of said bar being adapted to limit outward movement of a supporting member supported by said bar means.

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1,566,723. FASTENER. JOHN S. BARNETT, Oakland, Calif. Filed Jan. 21, 1924. Serial No. 687,495. 3 Claims. (Cl. 85—10.)

1. A fastener of the character described comprising a shank; a prong extending substantially at right angles from one end of said shank; and an extension at the other end of said shank comprising a portion extending at right angles from said shank and at right angles to said prong, and a portion folded upon said first portion and extending transversely of the longitudinal axis of the shank in substantially opposite directions.

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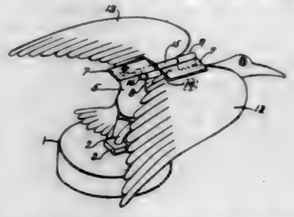
1,566,724. FIGURE TOY. FRANCIS C. BATES, San Jose, Calif., assignor of one-half to Ruth Naismith, San Jose, Calif. Filed Dec. 6, 1921. Serial No. 520,353. 2 Claims. (Cl. 46—40.)

1. A device of the character indicated comprising a flat body portion delineating a bird, means for securing the same in a vertical position on a vehicle, a pair of winglike members, means for pivotally mounting said members upon opposite sides of the upper edge of said



body portion, and means carried by said body portion for limiting the movement of said members in either direction.

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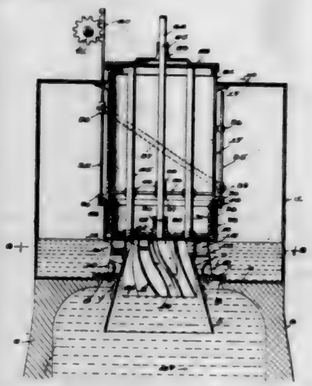
1,566,725. WATER MOTOR. CHARLES A. BLUME, Rocky Ford, Colo., assignor to The Whirl Pool Water Motor Company, Rocky Ford, Colo., a Corporation of Colorado. Filed Sept. 4, 1924. Serial No. 735,919. 6 Claims. (Cl. 253—121.)



1. A water motor comprising a flume, an opening in the bottom of the flume, a motor casing projecting through said opening and open at its lower ends, a motor revolubly mounted in the casing and provided with blades, a plurality of tangential passages connecting the flume with the interior of the motor casing, a second series of tangentially disposed passages located above the first mentioned passages and connecting the interior of the casing with the flume, alternate passages of the second series being inclined downwardly.

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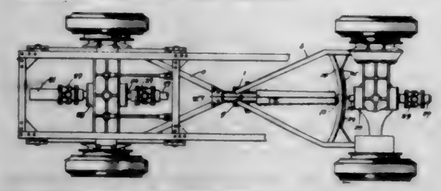
1,566,726. MOTOR VEHICLE. DURBIN H. BRADLEY, Sunnyvale, Calif. Filed Dec. 28, 1921. Serial No. 525,313. 3 Claims. (Cl. 180—14.)



1. In a vehicle, the combination of a steering axle, a plurality of trailing axles, means for connecting the same so that all the axles follow substantially the same path and means for locking the rearmost axles in certain angu-

lar positions relative to the nearest axle, whereby all the axles are caused to substantially follow the path of the rearmost axle on a reversing motion.

3. In a vehicle the combination of a front or steering axle, a second axle, a frame supported by the first and second axles and pivoted to the second axle on a line running parallel to the latter axle, a third axle, a coupling connecting the second and third axles and arranged to cause the third axle to follow the track of the second axle when the vehicle is in motion, a power plant supported on the first frame above the front axle, means allowing the second and third axles to be driven from the power plant and a load carrying body supported on the two power driven axles, the coupling being independent of the load carrying body.

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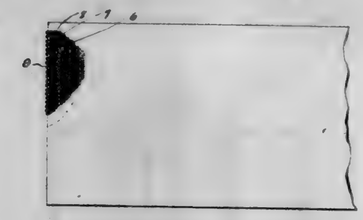
1,566,727. FABRIC AND METHOD OF MAKING THE SAME. FREDERICK L. BRIGHAM, Upper Montclair, N. J. Filed Nov. 18, 1924. Serial No. 750,528. 11 Claims. (Cl. 139—421.)



1. As an article of manufacture, an extensible fabric employing warp threads consisting of a core composed of an extensible thread and a non-extensible thread, both extending lengthwise of the warp thread, and a covering for said core, said warp threads being so constructed that the core threads will remain in position when the selvage of the fabric is cut.

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1,566,728. FABRIC AND METHOD OF MAKING THE SAME. FREDERICK L. BRIGHAM, Upper Montclair, N. J. Filed Sept. 4, 1925. Serial No. 54,406. 11 Claims. (Cl. 139—421.)

1. An article of manufacture comprising an elastic thread and a non-extensible thread twisted together and a covering spirally wrapped about said threads.

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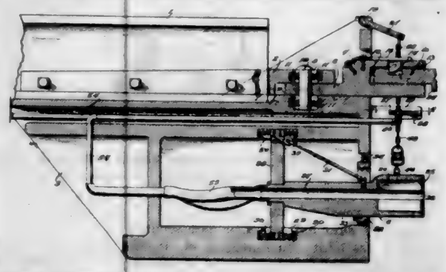
1,566,729. COUPLING FOR CARS AND TRAIN LINES. JAMES A. BROYLES, Dunglen, Ohio. Filed Feb. 29, 1924. Serial No. 696,028. 4 Claims. (Cl. 213—76.)

1. In coupling mechanism, a supporting frame having an outer end wall provided with an opening therethrough, a yoke suspended from the top wall of said opening, yieldable means resisting lateral movement of the yoke, a coupling head extending loosely through and supported at its outer end portion by said yoke, and a bridge secured to the inner end of the head and slidably mounted in the frame.



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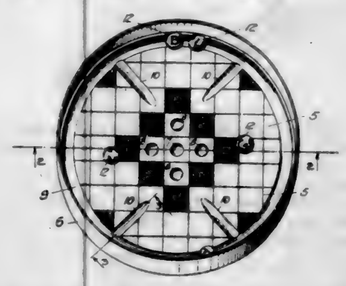
1,566,730. CROSS-WORD-PUZZLE GAME. CHARLES H. BUTLER, New York, N. Y. Filed Feb. 11, 1925. Serial No. 8,466. 3 Claims. (Cl. 273—115.)



1. A cross-word puzzle game comprising a board having a group of pockets arranged in intersecting lines, one of the pockets being at the point of intersection, and a number of balls adapted to rest in the pockets and bearing individual letters capable of spelling a plurality of words having one letter in common.

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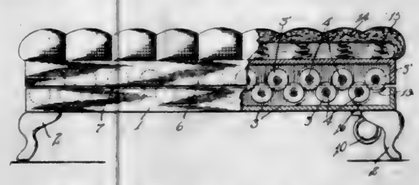
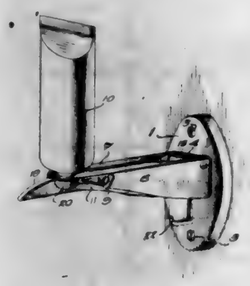
1,566,731. DEVICE FOR AIDING THE HEARING. CHARLES CARROLL, Chicago, Ill. Filed Apr. 21, 1923. Serial No. 633,770. 2 Claims. (Cl. 128—33.)



1. A device for aiding the hearing comprising a plurality of normally contacting rollers having their axes parallel and arranged in staggered relation to one another, one of said rollers being driven, said driven roller being arranged to drive the adjacent roller, and that roller in turn its adjacent roller, until movement is imparted to the furthermost roller, a stationary supporting frame for rotatably supporting every second of said rollers thereon, and a second frame rotatably supporting the remaining rollers, including the driven roller, said second named frame having upholstery thereon so that a person may lie on the frame.



1,566,732. SUPPORT. EBEN H. CARRUTHERS, Astoria, Oreg. Filed July 11, 1923. Serial No. 650,930. 2 Claims. (Cl. 248—20.)



2. A holder for tooth paste tubes comprising a vertical base, a horizontal supporting member secured at its inner end to said base, said supporting member including a pair of spaced arms having horizontal portions at their outer ends provided with substantially semicircular cutout portions adapted to receive the neck of an inverted tube, a closure arm arranged below said supporting member, the inner end of said closure arm being turned upwardly and arranged between the arms of said supporting member, a pivot pin connected between the arms of said supporting member and pivotally supporting the upturned end of said closure arm, a pin carried by said base and passing through an aperture in the upturned end of said closure arm, a coil spring surrounding said last named pin and normally urging said closure arm to raised position, and a cap carried by said closure arm and adapted to cover the outlet opening of the tube when said closure arm is in normal position.

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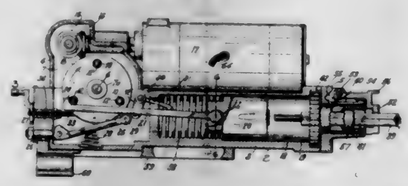
1,566,733. DRILLING MACHINE. ANDREW J. CARTER, Denver, Colo. Filed Mar. 3, 1922. Serial No. 540,911. 4 Claims. (Cl. 255—42.)



1. In a rock drill of the character described, the combination of a spring-urged reciprocating hammer, a pull bar in pivotal connection therewith, a rotary crank intermittently acting upon the pull bar, a spring-urged element loosely engaging a side of the pull bar to yieldingly maintain its operative relation with the crank, and an adjustable stop loosely engaging an exterior face of the pull bar in opposition to said element to limit the movement of the pull bar by action of the element.

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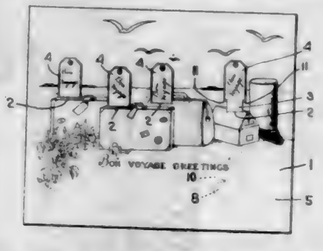
1,566,734. GREETING CARD. ERNEST D. CHASE, Winchester, Mass. Filed June 3, 1925. Serial No. 34,541. 3 Claims. (Cl. 40—65.)

1. A greeting card comprising a card member having a pocket and a slit leading to the pocket and a greeting bearing strip in the pocket and projecting through the slit, the exposed end of the strip constituting a tab or finger piece by which the strip may be withdrawn, said strip having at its lower end a lateral extension on one side only, the corner of said strip on the other side being rounded, said extension limiting the withdrawing movement of the strip when pulled straight outwardly but permitting said strip to be removed by swinging it into an angular position when it is at the outward limit of its movement.

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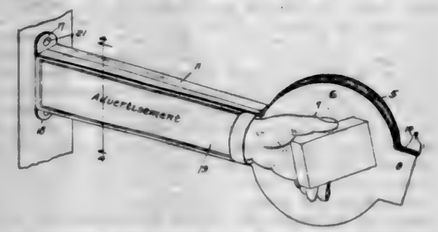
1,566,735. ADVERTISING STRUCTURE. MADISON R. CHESNEY, Los Angeles, Calif. Filed Aug. 3, 1925. Serial No. 47,810. 5 Claims. (40—126.)




2. An advertising device of the character described formed wholly of pasteboard and consisting of two pieces of pasteboard united along their longitudinal edges by scored bellows-like portions, said bellows-like portions having integral scored securing flaps at their rear ends which, when secured to a support, hold the bellows-like sections in distended position.

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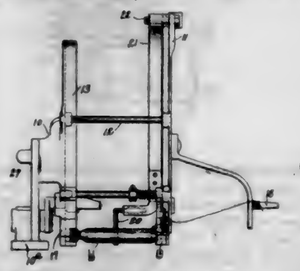
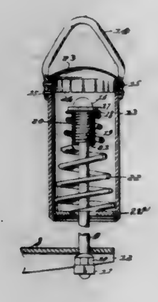
1,566,736. WEFT-CARRIER SUPPORT FOR WEFT-REPLENISHING LOOMS. AUGUSTIN J. CHEVRETTE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 2, 1923. Serial No. 616,461. 6 Claims. (Cl. 139—251.)



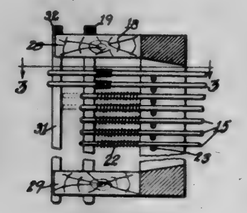
1. In a weft replenishing loom, a magazine, a transferrer, and means to support a weft carrier in transfer position in said magazine, said means comprising a pair of members supporting the butt of the weft carrier, a member supporting the tip of said weft carrier on its front side only, and a supporting member engaging the rear side of said weft carrier at a point intermediate its ends.

1,566,737. COMPENSATOR. VALLA J. CLARK, St. Petersburg, Fla. Filed May 7, 1923. Serial No. 637,342. 5 Claims. (Cl. 267—60.)



1. In a load compensator, a casing having a bail, means for suspending the casing on a plane above a vehicle spring, an element projecting from the bottom of the casing and slidable therein, means for anchoring the lower end of the element to a fixed part of the vehicle, a flanged sleeve within the casing through which the element projects, a washer above the flanged sleeve engaging the element for holding the parts in assembled relation to each other, a spring within the flanged sleeve having one end bearing against a rigid part of the sleeve and the other end against the said washer, and a spring encircling the flanged sleeve and that portion of the member within the casing, the said spring bearing against the flange of the sleeve and bottom of the casing, and means for adjusting the element to compress the last mentioned spring.

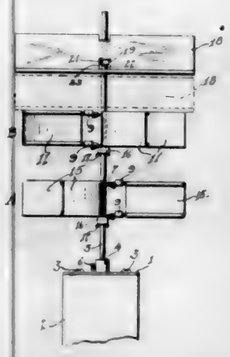
1,566,738. JACQUARD MECHANISM FOR LOOMS. EDWARD J. DACEY, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 18, 1925. Serial No. 51,012. 6 Claims. (Cl. 139—59.)



4. The combination in a jacquard mechanism for looms having risers, knives to cooperate with the same and needles movable longitudinally to position the risers, of a member extending transversely of the needles and engaging certain of the needles to hold the same permanently in inoperative position to place the risers corresponding thereto in inoperative position with respect to the knives.

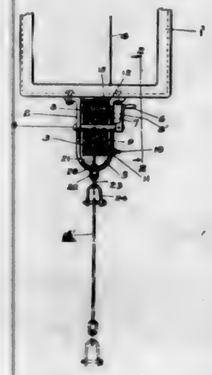
1,566,739. ADVERTISING DEVICE. HUBERT ROSS ESTES, Chicago, Ill. Filed Oct. 20, 1924. Serial No. 744,774. 5 Claims. (Cl. 40—30.)

1. An advertising device comprising a supporting rod, wind actuated members rotatably carried by said supporting rod, an advertising medium carried by said rod, and means for preventing the rotation of said medium,



said means being removably secured to said rod to permit said sign to be supported, and actuated by one of said wind actuated members when said means is removed.

1,566,740. TRACTOR HITCH. CURTIS T. FORREST, Le Grand, Calif. Filed Aug. 28, 1924. Serial No. 724,759. 3 Claims. (Cl. 280—33.14.)



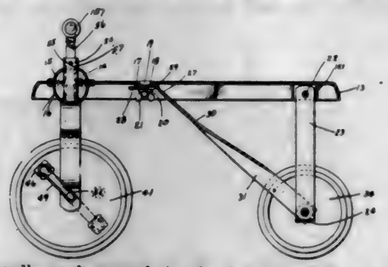
1. In a tractor hitch of the character described, a reel rotatably mounted on the tractor frame with a haulage rope secured to and wound around the reel, said rope extending rearward of the tractor for hitching to a trailer or the like, means for locking the reel against unreeling rotation and both automatic and manually operated means for rewinding the reel.

1,566,741. ALL-METAL KNOCKDOWN TOY VEHICLE. HARRY D. FORSE, Anderson, Indiana. Filed Aug. 14, 1924. Serial No. 732,029. 8 Claims. (Cl. 208—113.)

1. A knockdown toy vehicle comprising a seat having at opposite ends a pair of pivotal supports substantially transverse to each other, one being substantially transverse to the plane of the seat and the other being substantially parallel thereto, a steering wheel construction detachably mounted in the transverse pivotal support, a bolster pivotally connected to the parallel pivotal support, a U-shaped brace forming strap having its mid-



portion curved for detachable connection to the seat and its free ends extending outwardly, downwardly and



rearwardly and secured to the lower portion of the bolster, and means positionable in the mid-portion of the curved strap for securing the same to the seat.

1,566,742. AROMATIC DERIVATIVE OF CYANURIC CHLORIDE AND PROCESS FOR PRODUCING SAME. HERMANN FRITZSCHE and PAUL SCHÄDELI, Basel, Switzerland, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Filed Mar. 26, 1925. Serial No. 18,600. 10 Claims. (Cl. 260—27.)

6. As new products the new compounds of the general formula:

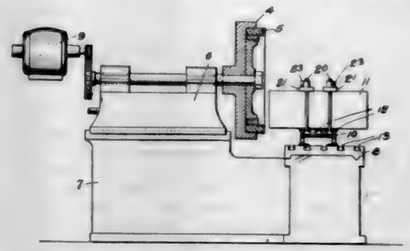
wherein A and B stand for any aromatic nuclei, of which one only may be a p-hydroxynaphthalene nucleus, the new products forming, when obtained by acidification of their alkaline solutions, red to red-violet and brown powders, insoluble in water, dissolving caustic soda solution with yellow, in concentrated sulfuric acid with red to violet coloration.

1,566,743. FENDER FOR ROAD VEHICLES. ERNEST P. GALASSI, Brooklyn, N. Y. Filed June 21, 1924. Serial No. 721,453. 7 Claims. (Cl. 293—55.)

1. In a fender of the class described, a front member, a plurality of rear members, a bridge plate connecting the rear members, and means loosely connecting the front member with said rear members.

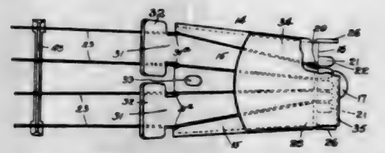
1,566,744. MEANS FOR GRINDING BLOCKS. ARTHUR E. GRAY, Pittsburgh, Pa., assignor to Pittsburgh Clay Pot Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 27, 1921. Serial No. 495,868. 1 Claim. (Cl. 51—240.)

The combination with the table of a grinding machine of a supplemental work supporting table, fastening means secured to said grinding table and adapted to engage the ends of said supplemental table to secure it in predetermined relation to said grinding table in either of its



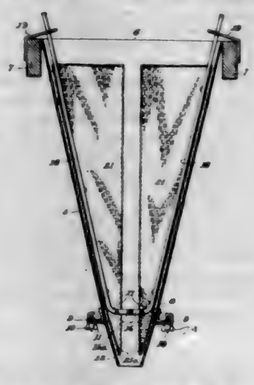
end for end reverse positions and means for securing work pieces on said supplemental table with a plurality of faces exposed for grinding.

1,566,745. TAILPIECE FOR STRINGED MUSICAL INSTRUMENTS. ALBERT D. GROVER, Long Island City, N. Y. Filed Apr. 18, 1923. Serial No. 632,846. 4 Claims. (Cl. 84—301.)



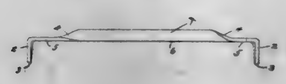
1. A tail piece for stringed musical instruments having a rim section and a head plate section, the latter being provided with T-shaped projections whose crosshead portions are of downwardly curved shape suitable to maintain only gradual curvatures in stretched instrument strings passing under said portions and up onto the upper surface of said head plate.

1,566,746. FEEDING AGITATOR. CARL R. HERMAN, Crafton, Pa., assignor to James F. Cook, Crafton, Pa. Filed May 21, 1924. Serial No. 714,855. Renewed Nov. 12, 1925. 17 Claims. (Cl. 259—47.)



2. In a device of the type described, the combination with an imperforate conical hopper, of agitating means within said hopper limited in its operation to the material in proximity to all the wall surface of the hopper for preventing the arching of material within the latter, and means for operating said agitating means.

**1,566,747. PLASTERING STAPLE.** CHARLES HOLLOWAY, Jr., San Francisco, Calif. Filed Nov. 19, 1924. Serial No. 750,865. 3 Claims. (Cl. 72—118.)



1. A plastering staple comprising a flat section strip of metal having the end portion twisted to a plane at right angles to the plane of the strip and formed to lie with one flat side in line with one edge of the strip, and a point formed on the twisted end extending in the plane of the strip substantially at right angles to the run of the strip.

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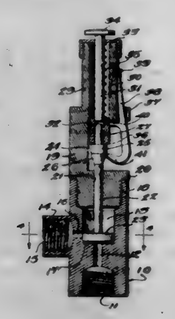
**1,566,748. AUTOMATIC VALVE.** JOHN H. HOULT, Fairmont, W. Va., assignor of one-half to Ora M. Doolittle, Fairmont, W. Va. Filed Mar. 23, 1925. Serial No. 17,765. 3 Claims. (Cl. 67—115.)



1. A device of the character described comprising a valve body having a valve seat therein, a valve in said valve body normally movable by gravity toward said valve seat and adapted to cooperate therewith to control the flow of gas through said valve body, a valve stem carried by said valve and projecting upwardly therefrom, said stem being provided near its upper end with a cam, a cylinder carried by said valve body above and in axial alinement with said valve stem, a plunger mounted to reciprocate in said cylinder and provided with a shoulder arranged below said cylinder, a compression spring arranged in said cylinder, said spring engaging said cylinder at its upper end and said plunger at its lower end and adapted to project said plunger downwardly against said valve stem to close said valve, and a latch loosely connected at its upper end to said cylinder and provided intermediate its ends with a finger adapted to engage the shoulder of said plunger to render said spring inoperative, said latch being further provided adjacent its lower end with a second finger arranged in the path of travel of said cam to be engaged thereby when said valve moves toward closed position to release said first named finger from the shoulder of said plunger.

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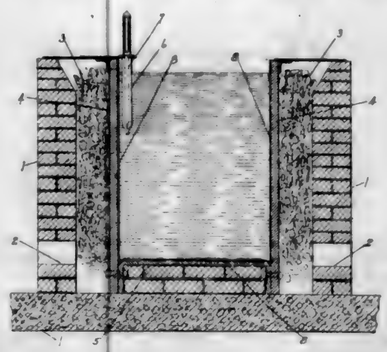
**1,566,749. APPARATUS FOR USE IN HOT GALVANIZING AND THE LIKE.** WALLACE G. IMHOFF, Pittsburgh, Pa., assignor to Warren S. Smith, New York, N. Y. Filed Apr. 16, 1923. Serial No. 632,197. 4 Claims. (Cl. 263—48.)

2. In apparatus for use in hot galvanizing and the like, an article to be brought into contact with molten zinc comprising a metallic body, said body having a coating of an enamel comprising a complex aluminum borosilicate as the basis thereof on the surface of the body



which comes into contact with the molten zinc to provide a heat conducting medium for protecting the body of the article from the solvent action of the molten zinc.

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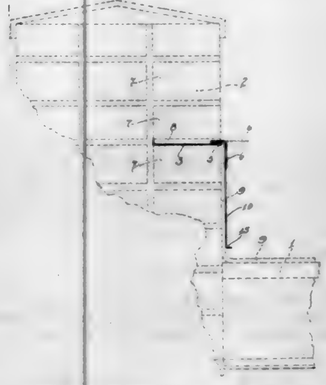
**1,566,750. ROOF FLASHING.** WILLIAM JACOBSON, Chicago, Ill., assignor of one-half to Charles W. Reynolds, Chicago, Ill. Filed Aug. 25, 1924. Serial No. 734,048. 2 Claims. (Cl. 108—26.)



1. The combination with a roof, a fire wall, and flashing contiguous to said roof and said fire wall, of a horizontal plate carried by said fire wall above said roof, said plate having an S-shaped bend to constitute a socket, and a portion extending beyond said socket normally parallel with the roof, a retaining plate having a flange at its upper edge arranged to enter said S-shaped socket, the inner face of said retaining plate engaging with said flashing, and the outer face being arranged to be engaged by the extended portion when the latter is bent downwardly.

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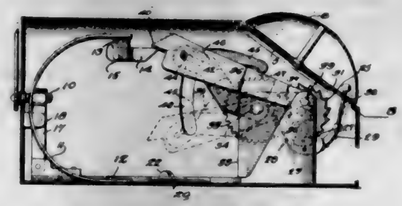
**1,566,751. OVEN SIGNAL.** RICHARD S. JOHNSON, York, Pa. Filed Aug. 18, 1925. Serial No. 51,057. 6 Claims. (Cl. 116—102.)

2. In a device of the character described, a casing, a dial arranged on said casing, a pointer associated with said dial, a thermostat arranged in said casing, a weight supporting member carried by a portion of said thermostat, a weight arranged in said casing and having a lip overhanging said weight supporting member and resting thereon, an alarm adapted to be actuated by said weight, said weight supporting member being movable away from said weight with the portion of said thermostat by which it is carried as the latter moves under the influence of increasing temperatures, a frame mounted in said casing



and carrying said weight, said frame being adjustable to move said weight toward and away from said weight supporting member to vary the overhang of said lip on said weight supporting member, and means connected between said pointer and said frame for adjusting the latter according to the position of said pointer.

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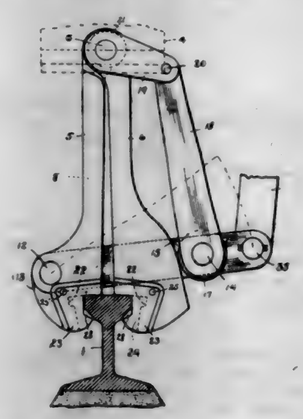
**1,566,752. RAIL CLAMP.** CHARLES E. KIELLEY, Superior, Wis., assignor of twenty-five and one-half per cent to John L. McMahon, Milwaukee, Wis., and twenty-five and one-half per cent to Fred O. Brandt, St. Paul, Minn. Filed Aug. 8, 1924. Serial No. 730,936. 3 Claims. (Cl. 188—48.)



1. An anchoring means for portable superstructures carried upon railroad rails comprising a shaft carried by the superstructure above the rail, two opposed pendulum clamping members pivotally carried upon the shaft, said members extending downwardly upon either side of the bail of the supporting rail, means carried by one member and extending through the other member above the rail and means carried outboard of the last mentioned member for simultaneously adjusting said members to or from the rail.

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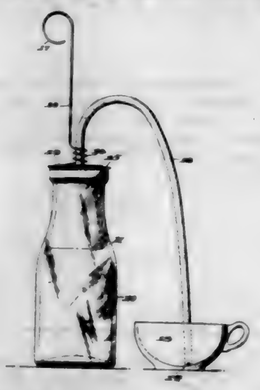
**1,566,753. SIPHON.** PAUL HERMAN KRAETCH, Astoria, Oreg. Filed July 7, 1925. Serial No. 42,056. 2 Claims. (Cl. 137—20.)

1. A siphon device including an elongated flexible tube having a flexible disk at one end through which the respective end of the tube opens, and a manual controlling and manipulating member having means to engage the disk and the adjacent end of the tube, and having an



elongated upstanding body provided with a handle whereby the disk may be forced downwardly into a receptacle to a desired position therein.

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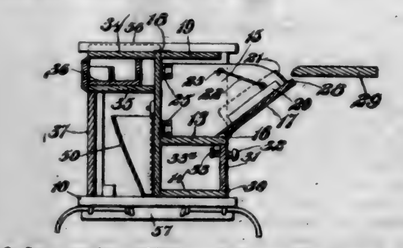
**1,566,754. SEWING CABINET.** FLORENCE G. LYLES, Muskegon, Mich. Filed Aug. 22, 1925. Serial No. 51,854. 6 Claims. (Cl. 223—53.)



2. In a sewing cabinet, a cloth receiving trough having one side wall thereof swingable outwardly from a vertical position where it combines with the remaining walls of the trough to form a closed receptacle to a position where it inclines outwardly and upwardly and is positionable beneath the table of a sewing machine and foldable end walls positionable to bridge the space between the side walls of the trough when said movable side wall is in the last named position.

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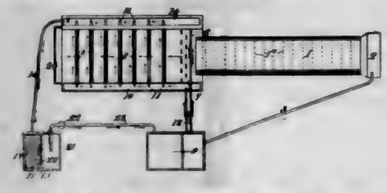
**1,566,755. METHOD AND APPARATUS FOR TREATING ORES.** CHARLES A. MCCOURT, Oakland, Calif. Filed Jan. 12, 1924. Serial No. 685,790. 3 Claims. (Cl. 204—15.)



1. The method of recovering the lighter values from mineral value-bearing slimes, which comprises providing a continuous flow of an amalgamating solution through an electrolytic cell, diverting streams of said solution

flowing from the said cell onto the slimes at separated points during the course of the flow travel thereof for the recovery of the lighter values therefrom, separating the amalgamated values from said pregnant solution, and returning the spent liquor to the electrolytic cell for recharging.

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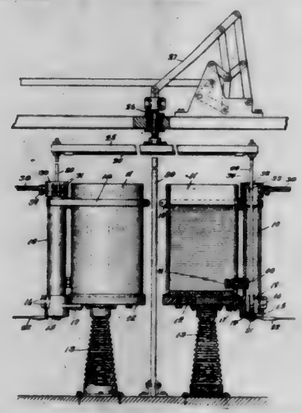
1,566,756. HIGH-TENSION SWITCH. JOSEPH N. MAHONEY, Brooklyn, N. Y., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed June 14, 1921. Serial No. 477,373. 10 Claims. (Cl. 200—150.)



1. An electric switch including a relatively long and narrow upright tube adapted to contain a relatively long and slender column of arc-quenching fluid for the major portion of its height and having a vent to the atmosphere above the long fluid column, relatively separable switch members disposed in said tube beneath the fluid and arranged for separation adjacent the bottom of the column and in the direction of the length of said column, and means to maintain said column of fluid in said tube including a reservoir adapted to contain a supply of arc-quenching fluid and open to the atmosphere and disposed at said tube and extended approximately co-extensive the length thereof, a conduit in communication with the interior of said reservoir and tube below the fluid levels therein, and a fluid-actuated valve in said conduit arranged to permit fluid to flow from said reservoir into said tube and to prevent fluid flow in the reverse direction.

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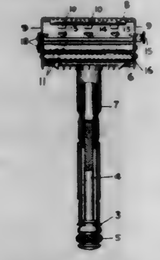
1,566,757. SAFETY RAZOR. ARTURO MARAVIGLIA, Savona, Italy. Filed May 13, 1925. Serial No. 30,098. 2 Claims. (Cl. 30—12.)



1. A safety razor comprising a handle, a blade guard thereon and provided with an axial opening, an axially movable rectangular yoke situated in the axial opening and including an outer crosspiece, means on the crosspiece for fastening a blade so as to allow in displacing the blade guard against the blade the adaptation of the tool for shaving, a sharpening device also carried by the yoke and including two rolls, toothed wheels engaging the rolls, and pins on the outer roll for engagement with the rolls of the blade to be sharpened, and adapted for engagement with a leather sharpening strip which is passed under the inner roll for coacting with the blade guard.

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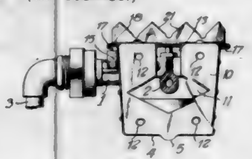
1,566,758. PROTECTING HOOD FOR GASOLINE TORCHES AND THE LIKE. BRUNO MARTIN, Saginaw, Mich. Filed June 12, 1925. Serial No. 36,603. 8 Claims. (Cl. 158—33.)



8. A protecting hood for gasoline torches, etc., comprising a body portion with sides having flanges at their upper ends, and a sliding top having side flanges cooperable with the first named flanges, the body portion having at one end legs adapted to overlap the adjacent end of the top and to be secured thereto, the top having a downturned deflector at one end, and the body portion having air inlet openings at the opposite end.

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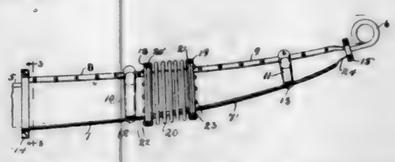
1,566,759. LUBRICATION RETAINER FOR LEAF SPRINGS. WILLIAM METZGER, New York, N. Y. Filed July 27, 1923. Serial No. 654,114. 2 Claims. (Cl. 267—37.)



1. A lubrication retainer for leaf springs comprising a casing, projections therein, for the reception of the spring clips and a flexible member formed from a continuous piece of metal and at approximately mid-length said casing, to allow said casing to follow the movement of the spring.

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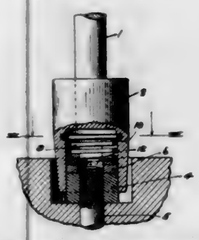
1,566,760. SOCKET OR SPEED WRENCH. CHRISTOPHER B. MICHEL, Oakland, Calif., assignor of one-half to John W. French, Oakland, Calif. Filed Oct. 11, 1923. Serial No. 667,988. 1 Claim. (Cl. 81—124.1.)



In a wrench having a socket formed to receive a nut for revolving the same, a coiled spring adapted to be received in the socket having an enlarged end turn adapted to be lodged in an internal groove in the socket



for anchoring the spring and a sleeve secured to the free end of the spring for bearing on the nut, the sleeve being grooved externally to receive the other end turn of the spring and being reduced in diameter above the groove to allow the spring to enter the groove.

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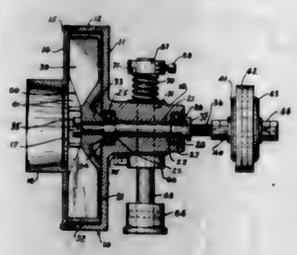
1,566,761. SIREN AND ATTACHING MEANS THEREFOR. LESTER H. MILES and JAMES W. BAYLESS, Los Angeles, Calif. Filed Mar. 16, 1925. Serial No. 15,798. 11 Claims. (Cl. 116—58.)



3. In a siren, a body, a member on which said body is mounted for swinging movement, means to swing said body about said member to driving position, said means comprising a universal connection secured on said body, a link connected to said universal connection, a bell crank, a pin on said bell crank, said link passing through said pin, said link extending beyond said pin and having a spring thereon, said spring engaging said pin at one end, and means on said link at the other end of said spring to hold said spring.

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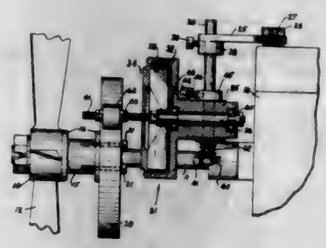
1,566,762. SIREN AND ATTACHING MEANS THEREFOR. LESTER H. MILES, Los Angeles, Calif. Filed May 13, 1925. Serial No. 29,891. 1 Claim. (Cl. 116—58.)



In a device of the class described, an engine, a fan shaft mounted to rotate thereon, a fan on said fan shaft, said fan having a hub thereon, means to drive said fan, a driving disc arranged on said fan shaft and adapted to be driven thereby, a supporting member mounted on said engine, a siren mounted on said member, said siren comprising a body part having a rotor therein, a drive shaft for said rotor, said drive shaft projecting from said body, a drive disc on said last metioned shaft, and normally disposed adjacent said driving disc, means to swing said siren upon its shaft to hold said drive disc spaced from said driving disc and means acting against said holding means to rotate said siren on its shaft and to bring said driving disc to engagement with said first driving disc.

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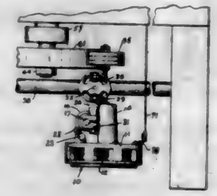
1,566,763. SIREN AND ATTACHING MEANS THEREFOR. LESTER H. MILES, Los Angeles, Calif. Filed June 8, 1925. Serial No. 35,610. 2 Claims. (Cl. 116—58.)



2. In a device of the class described, an automobile having a crank shaft thereon, an extension shaft having its inner end arranged upon and adapted to be driven by said crank shaft, means to hold said extension shaft in operative position, the outer end of said extension shaft having a threaded portion thereon, a driving disc fitted upon the said threaded portion and keyed thereto, a nut for securing said driving disc in position, a transverse supporting member on said automobile, a bracket including a base portion and an upper portion movable relative to the base portion, aligning arcuate slots in said upper portion whereby it may be adjustable, a U-bolt on said base having its arms extending through said slots, a stem adjustably mounted on said bracket and a siren mounted on said stem, said siren including a casing having a rotor therein, an offset portion on said casing, said stem extending through said offset portion, means to adjust said offset portion along said stem, means to limit the rotation of said siren about the axis of said stem in one direction, a shaft for said rotor, a disc adjustable along said rotor shaft, said disc being positioned adjacent said driving disc and means to bring said rotor disc into engagement with the driving disc.

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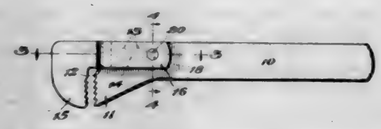
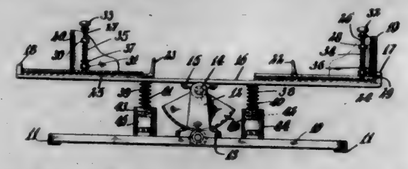
1,566,764. WRENCH. THOMAS MURPHY, Middletown, Conn., assignor of one-half to Berkley C. Stone, Middletown, Conn. Filed May 15, 1923. Serial No. 639,075. 1 Claim. (Cl. 81—110.)



In a wrench, a jaw carrying handle having a series of spaced circular openings diametrically bisected by a longitudinal slot having parallel side walls, a movable jaw carrying member having a bifurcated shank straddling the handle and formed in its sides with registering openings, and a key engageable through a selected one of the openings and composed of a strip like member having parallel side faces and rounded top and bottom edges, the key being arranged with its ends in said registering openings and with its parallel side faces extending at right angles to the longitudinal axis of the movable jaw carrying member, the extreme ends only of the key being upset into the respective openings of the bifurcated shank and with the side faces of the entire remainder of the key preserved in their said parallel relation.

1,566,765. SEESAW. ARCANGELO NATALE, Amsterdam, N. Y. Filed Apr. 21, 1925. Serial No. 24,727. 1 Claim. (Cl. 272—54.)

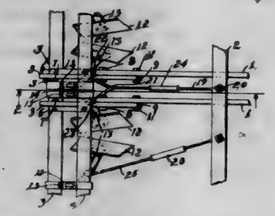


In a see-saw comprising a base, standards on said base, a shaft journaled in said standards, a board, brackets secured to said board, a pair of segmental members attached to said brackets, grooved at their lower faces, rollers engaging said grooves, means for cushioning the up and down movements of said board, seats on said board, foot-rests for said seats, a pair of racks laterally disposed to said seats, guides on said seats, pins in said guides adapted to engage with their lower ends between the teeth of said racks, and operating knobs on said pins for operating said pins to lock said seats in their adjusted positions farther from or closer to the center of gravity of said board to allow the simultaneous use of said see-saw by children of varying weights.

1,566,766. CASEHARDENING MATERIAL. GEORGE COLEMAN NIXON, Syracuse, N. Y. Filed Oct. 20, 1923. Serial No. 669,736. 11 Claims. (Cl. 148—30.)

11. Casehardening material including carbonaceous material impregnated with trisodium phosphate.

1,566,767. BEET LIFTER. GEORGE L. OLSEN, Salinas, Calif. Filed Oct. 2, 1924. Serial No. 741,246. 1 Claim. (Cl. 55—106.)

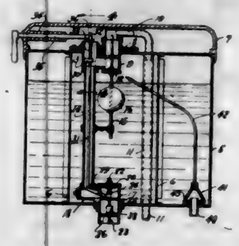


A beet lifter comprising in combination with a carriage frame, a pair of parallelly arranged bars spaced a distance apart laterally and vertically, means for securing said bars in rigid relation to each other, means for pivotally mounting said last mentioned means on said carriage frame to move in a vertical plane, means for adjusting said pivotally mounted means, and a pair of beet lifting elements adjustably mounted between said spaced parallelly arranged bars.

1,566,768. METHOD OF MAKING ELBOWS FROM SHEET METAL. FRANK H. OTIS, Skaneateles, N. Y. Filed Mar. 20, 1924. Serial No. 700,720. 4 Claims. (Cl. 113—116.)

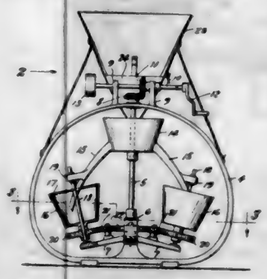
1. The method of forming sheet metal elbows which consists in shaping a flat sheet to provide a circular cupped portion and a flange beyond said cupped portion entirely surrounding said cupped portion, removing the flange except at two diametrically opposite portions to provide two projections, the inner ends of which widen and merge into the perimeter of the cupped portion, shaping the cupped portion to narrow the same in a direction transversely of the length of the projections, and, at the same time, bending the projections and portions of the cupped portion to provide flattened portions extending in one direction at angles to the general plane of the elongated cupped portion, concaving the outer faces of the flattened portions, and bending the concave portions toward each other so that their meeting edges may be interlocked.

1,566,769. TOILET TANK. JESSE C. OWENS, Los Angeles, Calif. Filed Sept. 16, 1924. Serial No. 737,994. 2 Claims. (Cl. 4—65.)



1. A flush tank comprising the combination of a closed receptacle having a discharge port at the bottom, a lift valve therefor, means for opening and for holding said valve open during the outflow of the water contained in said receptacle, an air port at the top of said receptacle, an air valve therefor, float means connected to said air valve for closing the latter at a predetermined upper level, a bypass connecting said air port beyond said air valve and said discharge port beyond said lift valve, a water inlet at the bottom of said receptacle freely connected to a source of water supply under pressure, and a refill tube extending from said inlet for directing water into said air port and thereby through said bypass and into said discharge port.

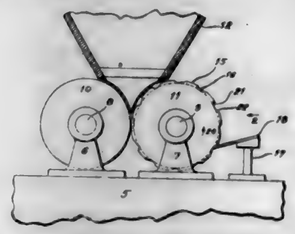
1,566,770. SEPARATOR. WILLARD N. PACKER, San Pedro, Calif. Filed Feb. 4, 1924, Serial No. 690,351. Renewed Oct. 13, 1925. 3 Claims. (Cl. 233—17.)



1. A separator comprising a revoluble arm, a stationary base gear mounted at the axis of said arm, a rolling gear journalled upon said arm, an idler pinion journalled on said arm and in mesh with said gear, and an imperforate cylinder open at the top and closed at the bottom secured to said rolling gear so as to be rotated and revolved therewith, said cylinder having its axis declined upwardly and outwardly



1,566,771. ROLL. SCOTT H. PERRY, Summit, N. J. Filed May 27, 1922. Serial No. 564,116. 5 Claims. (Cl. 107—10.)

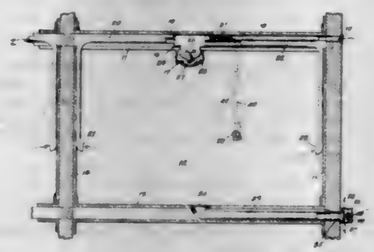


1. A roll comprising a plurality of flanges, said flanges having recesses formed therein, the following surfaces of said recesses being within an involute curve.

3. The combination with a roll comprising a plurality of flanges, means for feeding material to said roll and cooperating mechanism for forming said material into the form of a ribbon adhering to said roll, said flanges comprising recesses for forming cross ribs on said ribbon, of means for removing said ribbon from said roll, the following surfaces of said recesses being within an involute curve whereby the deformation of said ribs during the removal of said ribbon from said roll is avoided.

5. A roll comprising a plurality of flanges, grooves between said flanges, and recesses formed crosswise of said flanges, said recesses being more capacious than said grooves, whereby planes of cleavage are provided between the material formed by said recesses and the material formed by said grooves.

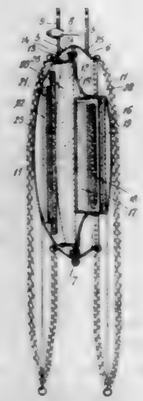
1,566,772. HEATING SYSTEM. ADOLPH F. ROTH, Newark, N. J. Filed Aug. 29, 1923. Serial No. 659,958. 8 Claims. (Cl. 219—39.)



1. A heating system for a chamber, comprising means providing a flue adapted to be arranged in the upper part of the chamber and having an air intake as well as having an outlet for delivery of air into the upper part of the chamber, a normally open electric circuit, heat emitting means interposed in the circuit for heating the air flowing through the flue from its inlet to its outlet when the circuit is closed, and a fan in the upper patr of the chamber operable with the closing of the circuit for causing the heated air in the chamber to circulate downwardly toward the lower part thereof.

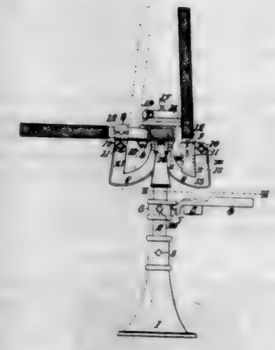
1,566,773. HAND BAG. HARRY BRADLEY ROWAN, North Attleboro, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed Oct. 1, 1924. Serial No. 740,915. 5 Claims. (Cl. 150—28.)

1. A hand-bag comprising the combination of two circular members pivoted together at one side, a clasp for holding the two members detachably together at a point opposite the pivot, two bag-members of flexible material each secured to one of the circular members, a case pivotally mounted within the bag to turn relatively to both of the circular members, and a circumferential flange



on the case adapted to be received in grooves provided therefor in the adjacent faces of the said circular members.

1,566,774. IRONING BOARD. MARTHA E. SANTO, Mountain View, Calif. Filed June 23, 1924. Serial No. 721,904. 2 Claims. (Cl. 68—10.)

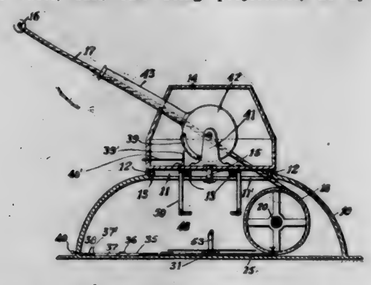


1. An ironing board stand including a support, an arcuate arm extending downwardly and outwardly from said support, an arm extending upwardly from the lower end of the arcuate arm and inclined inwardly with relation thereto, a transverse pivot located at the upper end of the last mentioned arm concentric to the arcuate arm, a socket for receiving an ironing board and provided with downwardly extending lugs mounted on said pivot, the said socket being movable between horizontal and inwardly and upwardly inclined positions, and an ironing board having one end received in said socket.

1,566,775. GOLF-STROKE-RECORDING APPARATUS. GEORGE E. SCHENK, Brooklyn, N. Y. Filed Feb. 25, 1924. Serial No. 694,901. 9 Claims. (Cl. 265—22.)

1. In an apparatus of the character described, in combination, a base, a fixed shaft, a drum mounted for rotation on said shaft, means for shifting the drum longi-

tudinally on said shaft as the drum rotates, spring means yieldingly holding the drum at one end of the shaft, a cable wound on said drum, and a captive ball attached to said cable, said ball being projectable, as by being



stroked with a golf club, whereby upon projection of the ball the cable unwinds from the drum and the drum rotates and advances on said shaft against the tension of said spring means.

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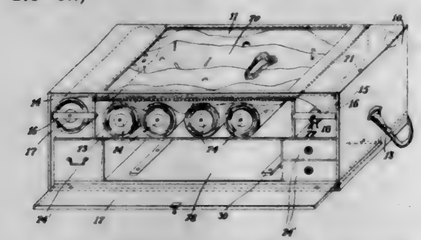
1,566,776. GAME. GEORGE E. SCHENK, Brooklyn, N. Y. Filed Feb. 25, 1924. Serial No. 694,902. 5 Claims. (Cl. 273—87.)



2. A game apparatus, comprising, in combination, a cabinet having an aperture in its upper face, and a sheet adapted to be rolled progressively across said opening, said sheet having represented thereon the characteristics of a golf course, means adapted to be actuated by a player for indicating various distances and angles, and means for plotting points on said sheet in accordance with such distance and angle indications.

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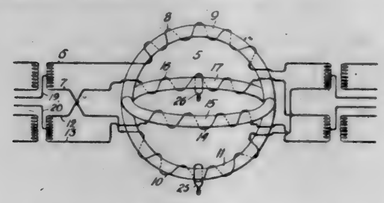
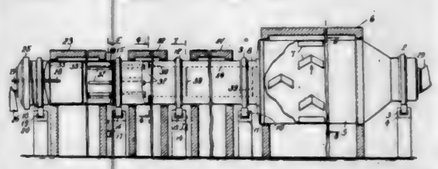
1,566,777. INDUCTANCE DEVICE. WILLIAM J. SHACKELTON, Scotch Plains, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 3, 1923. Serial No. 629,555. 6 Claims. (Cl. 178—46.)



1. An inductance device having a branched core, windings on different branches of said core, two of said windings having substantially the same effective resistances at one frequency and substantially different effective resistances at another frequency, and separate means for equalizing the effective resistances of said windings at said last mentioned frequency.

1,566,778. DRY-DISTILLATION APPARATUS. NOEL STATHAM, Irvington, N. Y., assignor to West Virginia Pulp and Paper Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 12, 1921. Serial No. 521,663. 9 Claims. (Cl. 203—6.)



2. In apparatus adapted for treating and distilling ligneous acetate material, a combined rotary treating and distilling chamber formed of sheet metal and comprising an elongated distilling chamber having a series of transverse gas retarding devices and a treating chamber connected to said distilling chamber and having a greatly increased diameter, and graduated heating means cooperating with said distilling and treating chamber, means to rotate said treating and distilling chamber to agitate and uniformly heat the acetate material in each part of the chamber and gradually feed such material into a more highly heated portion of said chamber.

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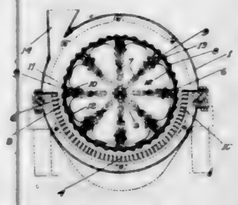
1,566,779. ALMOND SHELLER. ARCHIBALD R. STEPHEN, Lodi, Calif. Filed Jan. 16, 1925. Serial No. 2,821. 5 Claims. (Cl. 146—11.)



1. A nut shelling attachment for a nut hulling machine which includes a plurality of radially disposed beater boards, comprising a plurality of plates to form a complete drum, adapted to be mounted individually on the boards, said plates having abrading elements on their outer faces.

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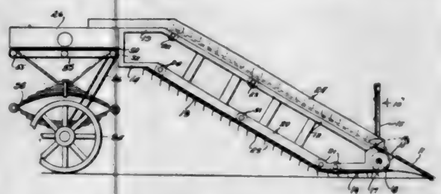
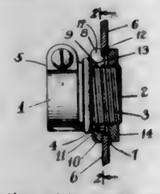
1,566,780. BEET HARVESTER. STANLEY TATAR, Detroit, Mich. Filed Dec. 11, 1923. Serial No. 679,963. 2 Claims. (Cl. 55—9.)



1. In a beet harvester, a housing; a pair of substantially semi-circular permanently horizontally aligned relatively movable retaining members, adapted for the reception of a beet between them; resilient means for normally maintaining said retaining members in closely approached position and permitting the relative withdrawal of the same against the tension of said resilient means; and a rotatable cutting member adapted for passage across the axis of the circle defined by said members for topping a beet retained by said members.



1,566,781. ADAPTER FOR CONNECTING DEVICES. GEORGE C. THOMAS, Jr., Elizabeth, N. J., assignor to The Thomas & Betts Co., of Elizabeth, N. J., a Corporation of New Jersey. Filed May 4, 1921. Serial No. 466,781. 3 Claims. (Cl. 247—25.)



1. The combination with a wall having an opening, of a connecter having a peripheral flange and a threaded neck, an expansible washer on said neck and extending into said opening, said washer and flange having a tapered surface engagement, and means comprising a nut adjustable on said neck for pressing said washer and flange together to expand said washer against the periphery of said wall opening.

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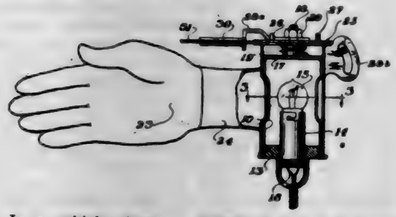
1,566,782. VEHICLE SIGNAL. GUSTAVE TILGER, Chicago, Ill. Filed Apr. 22, 1924. Serial No. 708,132. 2 Claims. (Cl. 116—48.)



1. In a vehicle signal, a stationary barrel, having a plurality of light ports, a rotatable barrel provided with a light port, a signal upon said rotatable barrel, and a light within said stationary barrel and adapted to play upon said signal when said rotatable barrel is moved, said signal comprising a hand having an enclosed wrist for concentrating the rays of light upon the palm of said hand.

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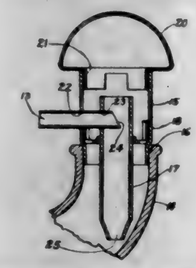
1,566,783. OILING DEVICE. BENJAMIN LOUIS TOQUET, Westport, Conn. Filed Oct. 6, 1924. Serial No. 741,972. 4 Claims. (Cl. 184—11.)



4. In combination with a crank case and a breather tube adapted to allow the delivery of oil to said crank case, an extension piece adapted to fit said breather tube, a conduit located in said extension piece and having a delivery end situated well within said breather tube at considerable distance from the inlet of said tube, a separator insuring the position of the conduit in the extension piece, and an oil feed pipe fitted in the extension piece and entering the conduit.

1,566,784. EXPLOSIVE. NILS ALFRED UNGER, Vinterviken, Aspudden, Sweden. Filed Mar. 14, 1924. Serial No. 699,317. 3 Claims. (Cl. 52—7.)

1. An explosive, consisting substantially of a mixture of ammonium nitrate, silicon, and nitro-glycerine, the latter being gelatinized by nitro-cellulose.

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1,566,785. VULCANIZING FAT SUBSTANCES. JOHANNES HENDRIK VAN DER MEULEN, Arnhem, Netherlands. Filed July 14, 1923. Serial No. 651,617. 7 Claims. (Cl. 91—68.)

1. A process for producing a varnish coating on a body, consisting in coating the body with a vulcanizable oil and then vulcanizing the oil in situ with sulfur chloride vapor.

6. Material consisting of a body and of a lustrous coating on such body comprising a vulcanizable oil vulcanized in situ by sulfur chloride vapor.

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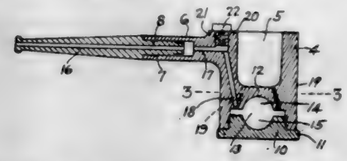
1,566,786. TOBACCO PIPE. CHARLES A. ALDEN, Steelton, Pa. Filed Mar. 23, 1925. Serial No. 17,514. 5 Claims. (Cl. 131—12.)



1. A tobacco pipe comprising a bowl forming a tobacco receptacle, a stem extending from the upper portion of the bowl and having a smoke passage therein, a base member detachably connected to the lower portion of the bowl, the bowl and the base member forming a chamber between them for receiving matter resulting from smoking the pipe, and the bowl having a port therein connecting said receptacle and said chamber and having a smoke passage therein communicating at its lower end with said chamber and at its upper end with the passage in the stem, and a removable plug contained within an opening in the upper portion of the bowl, said opening communicating with said passages and affording access thereto when the plug is removed.

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1,566,787. MATTRESS. HENRY G. BRANDWEIN, Chicago, Ill. Filed Jan. 7, 1922. Serial No. 527,611. 1 Claim. (Cl. 5—347.)

In a mattress, a pair of cover sheets having spaced registering apertures therethrough, textile grommets inserted through said registering apertures and secured at their ends to the cover sheets, the grommets being concentrically disposed, and a spring wound around the inner grommet and disposed intermediate the grommets.

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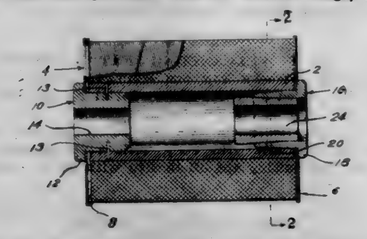
1,566,788. SPOOL. ROBERT K. CLARK, Springfield, Mass., assignor to the American Thread Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 16, 1923, Serial No. 645,776. Renewed Nov. 7, 1925. 4 Claims. (Cl. 242—124.)

1. A spool cop comprising a tube of fibrous material, a head for one end of the tube comprising an annular disk, and means for detachably securing the disk to said end of the tube comprising a tubular plug having

a flange on one end and having its inner end portion split longitudinally, extending through the disk and adapted to be inserted into said end of the tube, the outer surface of said inner end portion tapering toward its inner end and provided with an annular ridge, and a



tapering plug frictionally held within said tubular plug and adapted to be forced into the inner end of said tubular plug by endwise pressure when the latter is inserted in the end of said tube, so as to spread said inner end portion to cause its ridge to be embedded in said tube.

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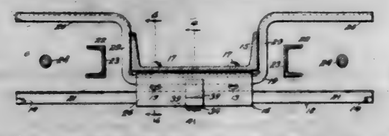
1,566,789. RAILWAY BRAKE-BEAM MECHANISM. SETH A. CROSS, East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a Corporation of New York. Filed Jan. 13, 1925. Serial No. 2,086. 9 Claims. (Cl. 188—210.)



1. In a car-truck having a spring plank and inside hung brake-beams, inverted channel supporting brackets below the spring plank at opposite sides of the track, a longitudinal bar extending through each of said brackets and thence extending upwardly and longitudinally in opposite directions to form upper guard members extending above the end portions of the brake-beams, means rigidly securing said bars and brackets to the spring plank, emergency safety bar members removably secured within said supporting brackets and thence extending longitudinally in opposite directions below the end portions of the brake-beams.

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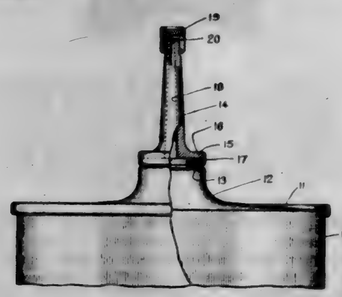
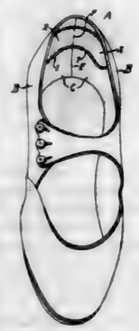
1,566,790. CAN MANUFACTURE. ROLLIN L. DRAKE, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Apr. 13, 1923. Serial No. 631,781. 3 Claims. (Cl. 221—56.)



1. A container having a neck, a flange in the interior of said neck, and a spout having an extended base seated on said flange and over which base the upper end of the neck is turned.

1,566,791. SHOE AND METHOD OF MAKING THE SAME. WALTER R. EKINS, St. Louis, Mo., assignor to Brown Shoe Company, Inc., St. Louis, Mo., a Corporation of New York. Filed June 26, 1925. Serial No. 39,663. 6 Claims. (Cl. 36—55.)



1. In a new article of manufacture an apparel shoe having an inner quarter provided with a relatively smooth inner face, and means whereby the heel portion of said shoe is prevented from accidentally moving relative to the heel of the wearer, said means comprising a section of material having a roughened face, said roughened face of said section of material being arranged flush with the relatively smooth inner face of said inner quarter.

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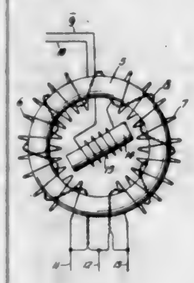
1,566,792. INDUCTANCE DEVICE. FRANK E. FIELD, Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1922. Serial No. 553,619. 5 Claims. (Cl. 178—46.)



2. An inductance device comprising a substantially closed magnetic circuit core, a winding on one portion of said core, a second winding on a second portion of said core, an adjustable bar of magnetic material extending between said portions and a supplementary winding on said bar and connected in circuit with said windings.

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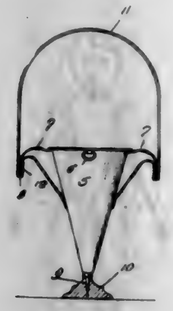
1,566,793. METHOD OF ALLOYING RARE METALS AND ARTICLES MADE THEREFROM. WILLIAM BENJAMIN GEBO, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed June 14, 1923. Serial No. 645,395. 11 Claims. (Cl. 75—1.)

1. The steps in the method of preparing a refractory metal from a comminuted form which comprise, coating the individual particles thereof with a volatile protective agent and sintering said particles into a coherent state.



1,566,794. FLOWER BASKET. JOSEPH V. HARPER, Washington, N. C. Filed May 4, 1925. Serial No. 27,820. 2 Claims. (Cl. 220—94.)



1. A device of the class described including a container, a pair of strips each being bent upon itself and having one extremity attached to the upper portion of the container, and the other extremity attached to the intermediate portion of the container, so as to form an arm with the outer end or intermediate portion of the strip bent downwardly, and an inverted U-shaped bail having sockets on its extremities for receiving the ends of the arms.

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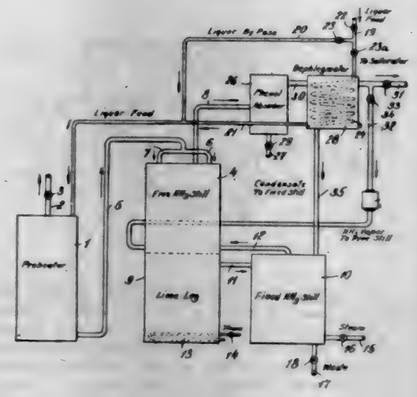
1,566,795. TREATMENT OF GAS LIQUOR. LE ROY WILBUR HEFFNER, East Norristown Township, Montgomery County, and WILLIAM TIDDY, Jeffersonville, Pa. Filed Dec. 16, 1924. Serial No. 756,193. 25 Claims. (Cl. 260—154.)



1. The process of recovering phenols from liquors containing the same in small amounts, which comprises subjecting the liquor to a temperature of 98° C. or higher, in the presence of sufficient ammonia to drive off the phenol as phenolate.

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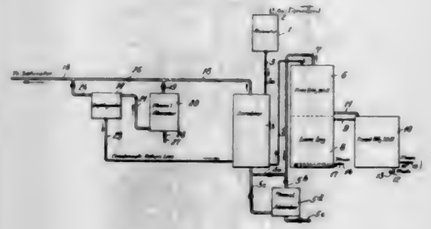
1,566,796. RECOVERY OF PHENOLS FROM AMMONIACAL LIQUOR. LE ROY WILBUR HEFFNER, East Norristown Township, Montgomery County, and WILLIAM TIDDY, Jeffersonville, Pa. Filed Dec. 16, 1924. Serial No. 756,194. 16 Claims. (Cl. 260—154.)

1. The process of treating gas liquors containing phenolic impurities which comprises subjecting the liquor to distillation for the recovery of ammonia therefrom, the temperature of the liquor and vapors at the outlet of



the ammonia from the still being about 98° C. or higher to drive off ammonium phenolate with the ammonia.

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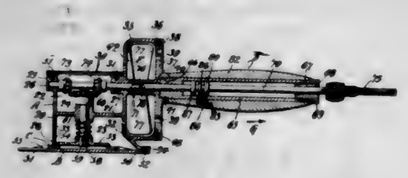
1,566,797. HAIR-CUTTER DEVICE. JOHN HOLTZMAN, New York, N. Y. Filed Dec. 2, 1921. Serial No. 524,270. 5 Claims. (Cl. 30—1.)



1. In a cutter of the character described the combination of a shell having inlet and outlet openings, a comb secured to one end of the shell forming a chamber therewith, a rotatable cutter blade in said chamber bearing on the comb with a portion thereof projecting out of the chamber, a second shell adjacent to the first shell forming a second chamber, the second chamber having inlet openings, the inlet openings of the first chamber connecting it with the second chamber, and a rotatable propeller in the second chamber to produce a draft through both chambers and over the cutter blade projecting out of the first chamber.

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1,566,798. PROCESS OF WATERPROOFING STRAW HATS AND THE LIKE AND PRODUCT OF THE SAME. CHARLES J. KUNTZ, Glendale, New York, and JOSEPH SIMONS, East Orange, N. J. Filed Jan. 8, 1925. Serial No. 372. 3 Claims. (Cl. 2—192.)

1. A straw hat having a waterproof coating comprising nitrocellulose and sandarach gum forming with nitrocellulose a pliable solid adhesive with the material of the hat.

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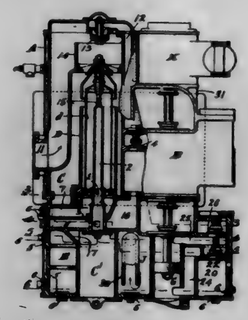
1,566,799. FEED-WATER-HEATING APPARATUS. JOHN A. LE CAIN, Malden, MASS., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Feb. 13, 1922. Serial No. 536,001. 9 Claims. (Cl. 261—34.)

1. A feed water heater unit having an upper section comprising a heater, a lower section suspended from the

upper section and comprising a hot water chamber, a float tank, and a passage for delivery of excess water



from the float tank, and means for attachment of the upper section to a locomotive boiler for support of the unit by the upper section.

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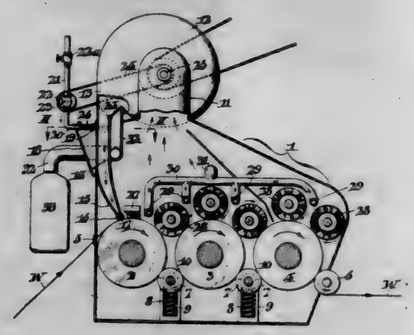
1,566,800. DEVICE FOR OFFSET PREVENTION AND SURFACE FINISHING IN PRINTING. CHARLES J. MACARTHUR, Glen Ridge, N. J., assignor to Charles Enen Johnson and Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 21, 1924. Serial No. 707,883. 7 Claims. (Cl. 91—59.)



7. A device of the character described comprising an enclosure through which a freshly-printed web or sheet is passed, a blower whereby air laden with powdered absorbing and surface-finishing material is continuously circulated within the enclosure, a duct leading from the pressure outlet of the blower to direct the powder-laden air against the surface of the freshly printed web or sheet, a conduit also leading from the pressure outlet of the blower to a powder collector, and a swingable deflector whereby the outflow from the blower may be diverted to pass into the conduit for complete removal and collection of the powdered material from the circulatory course within the enclosure.

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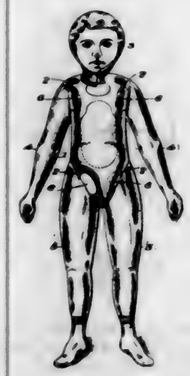
1,566,801. DOLL. JEAN S. MILLARD, Akron, Ohio. Filed Feb. 3, 1922. Serial No. 533,761. 8 Claims. (Cl. 46—40.)

3. A doll comprising a body having a socket therein, a body member having a socket therein, a flexible connecting link having a ball portion on each end, each ball portion being adapted to be sprung into said sockets to



thereby secure said body member to said body in adjustable flexible relation therewith.

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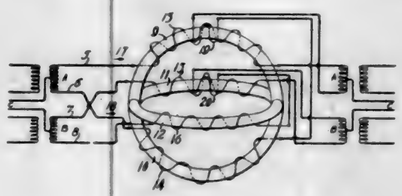
1,566,802. LOADING COIL AND METHOD OF CONSTRUCTION. IVAN L. MILTON, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 1, 1923. Serial No. 635,869. 5 Claims. (Cl. 178—46.)



1. The method of compensating for different permeability between sections of the core of an induction coil which carry the main windings for the physical circuits in which the coil is to be connected mounted on different sections, which method comprises connecting to one main winding a supplementary winding mounted on that section of the core which carries the mate winding for said one main winding and proportioning the number and direction of the turns of said supplementary winding to obtain an inductance balance between the windings of the induction coil.

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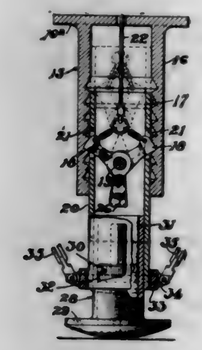
1,566,803. ADJUSTABLE SUPPORT FOR TRUCKS AND TRAILERS. ROY H. MORRIS, Piedmont, Calif. Filed Apr. 2, 1924. Serial No. 703,696. 5 Claims. (Cl. 280—33.1.)

1. An adjustable support for a semi-trailer comprising a cylinder disposed beneath and connected to said trailer, a sleeve having its upper ends telescoped within said cylinder and having a foot member at its lower ends engageable with the ground, latching means carried by the sleeve and adapted to detachably connect the sleeve to said cylinder, whereby the support will sustain the weight of the trailer, and operating means connected to



said latching means and adapted upon operation to simultaneously release the locking means to disconnect the sleeve from the cylinder and elevate the sleeve.

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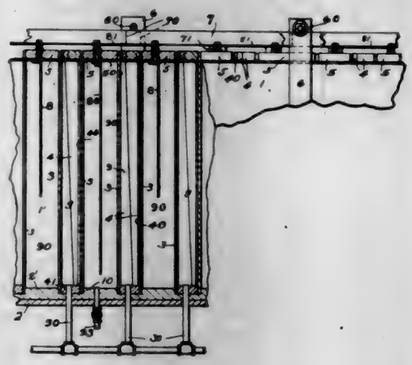
1,566,804. ELECTROLYTIC-CELL BATTERY. WILLIAM E. MORTRUDE, Jr., Seattle, Wash., assignor of one-fourth to Charles W. Littlefield, one-fourth to Philip T. Molleur, and one-fourth to Dan C. Brownell, all of Seattle, Wash. Filed Aug. 13, 1924. Serial No. 731,703. Renewed Oct. 26, 1925. 5 Claims. (Cl. 204—58.)



1. An electrolytic cell battery having a bottom and side walls provided at intervals with channels each extending across the inner faces of the bottom and the side walls, diaphragm sheets fitting against each side wall of said channels and extending across the cell, and securing members wedging in said channels between the edges of the diaphragm sheets.

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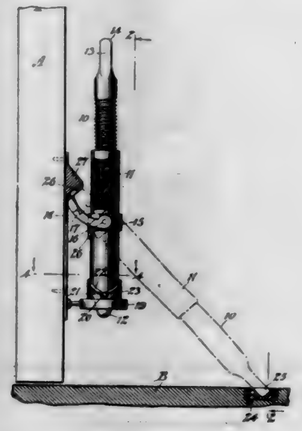
1,566,805. DOOR BOLT. BERNARD ACKERMAN, New York, N. Y. Filed May 11, 1925. Serial No. 29,554. 4 Claims. (Cl. 293—338.)

1. A door bolt including telescoping bolt sections having threaded engagement with each other, an element in which one of said sections has turning and sliding movement, means to rockably mount said element on a door to permit the bolt sections to move to an approximately upright position adjacent the door or to oblique position



for engagement with a floor adjacent the door bolt holding means, and means to sustain said bolt holding means on the door.

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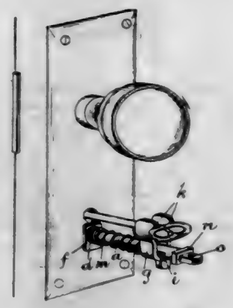
1,566,806. ATTACHMENT FOR MAINTAINING KEYS IN KEYHOLES. PALMER ABERDEEN, Toronto, Ontario, Canada. Filed Dec. 13, 1924. Serial No. 755,795. 2 Claims. (Cl. 70—65.)



1. A device of the class described, a shank adapted to be longitudinally adjusted, said shank comprising a screw threaded spindle and an internally screw threaded sleeve, a curved tongue formed on the outer end of said spindle, a claw member slidably and pivotally arranged on the said sleeve, a tension spring for maintaining the said claw member in adjusted positions on the said shank, substantially as and for the purpose specified.

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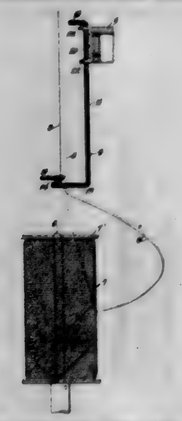
1,566,807. THREAD GUIDE. CHARLES JAMES BACON, Buffalo, N. Y., assignor to Du Pont Fiberslik Company, Inc., a Corporation of Delaware. Filed Jan. 31, 1924. Serial No. 689,658. 15 Claims. (Cl. 117—21.)

1. A thread guide adapted to be used in connection with a throwing machine with which is associated a source of thread supply comprising a pair of connected

legs arranged in an adjacent relation to each other and having an eyelet associated therewith through which the



thread is adapted to pass, said legs being adapted to cooperate for positioning the eyelet with respect to said source of thread supply.

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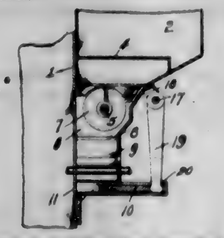
1,566,808. STOKER. ABNER D. BAKER, Swanton, Ohio. Filed July 18, 1924. Serial No. 726,689. 2 Claims. (Cl. 110—114.)



1. In an apparatus of the class described, a feed hopper having a pocket with a discharge opening therein, a feed worm in the hopper above said pocket, a ratchet wheel rotatable with the feed worm, means for intermittently driving said ratchet wheel, a plunger operable to discharge fuel from said pocket through the discharge opening therein, positive means including an element associated with the periphery of said ratchet wheel for moving said plunger in one direction, and means for automatically actuating said plunger in the opposite direction.

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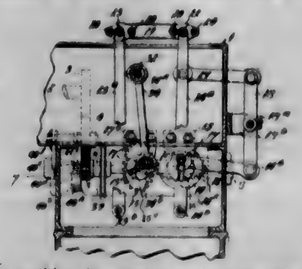
1,566,809. CIGARETTE-MAKING MACHINE. LOUIS BERNHARD BARON, London, England. Filed Oct. 28, 1919. Serial No. 333,874. 11 Claims. (Cl. 131—37.)



10. In a machine for moving a cigarette rod, said machine having a carriage reciprocatable parallel to the line of movement of the cigarette rod and means for cutting the rod mounted on said carriage, means including meshing elliptical gears for moving said cutting means forwardly and backwardly transversely to the line of movement of the cigarette rod while said carriage is reciprocated.

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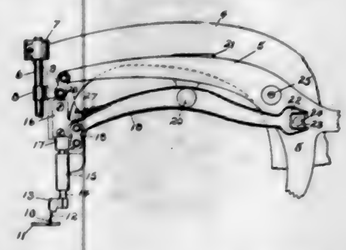
1,566,810. TRIMMER FOR SEWING MACHINES. ADELMER M. BATES and ALBERT KRASA, Chicago, Ill., assignors to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed Jan. 26, 1924. Serial No. 688,724. 3 Claims. (Cl. 112—122.)



1. A trimmer for sewing machines, comprising a knife, a carrier for the knife, means to reciprocate the carrier in a direction substantially perpendicular to the knife edge, a guide for the carrier pivoted about an axis substantially parallel with the knife edge, and a spring tending to turn the guide about its pivot to press the knife against a cooperating shearing edge.

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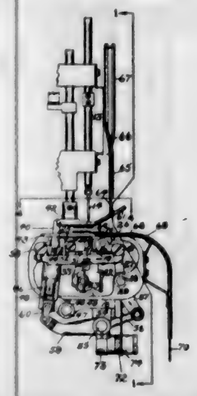
1,566,811. TRIMMER FOR SEWING MACHINES. ADELMER M. BATES and ALBERT KRASA, Chicago, Ill., assignors to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed Jan. 26, 1924. Serial No. 688,725. 12 Claims. (Cl. 112—122.)



1. In a sewing machine, a substantially L-shaped guide pivoted at the end of one of its arms, a carrier slidable longitudinally of the other arm of the guide, a cutter mounted in the carrier beyond the end of said other arm, means to oscillate the guide, and means to reciprocate the carrier.

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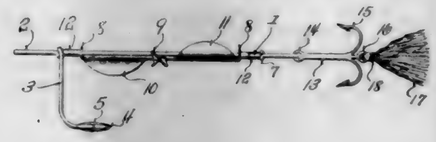
1,566,812. ARTIFICIAL BAIT. ALBERT A. BAYER, Milwaukee, Wis. Filed May 25, 1925. Serial No. 32,708. 3 Claims. (Cl. 43—47.)

1. An artificial bait comprising a spindle having a line receiving eye at one end, and a hook receiving eye at its other, an arm extending downwardly from adjacent the



first mentioned end of said spindle and having a rearwardly bent weighted portion, a spinner revolubly mounted upon said spindle and having a pair of forward arms,



and a pair of rearward arms curved in opposite directions, and a propeller between said pair of arms, and a movable hook interlinked with said last mentioned eye.

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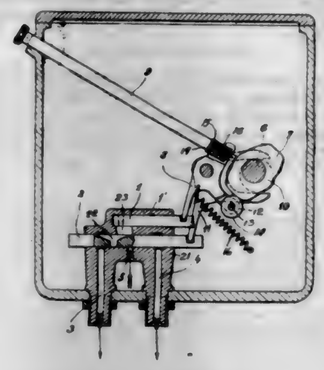
1,566,813. VARIABLE-STROKE FLUID PUMP. EMANUEL BLAUHORN and OTTO HAJEK, Vienna, Austria. Filed Oct. 20, 1920. Serial No. 418,291. 3 Claims. (Cl. 184—27.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a valveless fluid pump having a pump piston and a distributing piston, means to reciprocate both pistons positively comprising a driving shaft, a cam on said driving shaft, a rocking lever in operative connection with the distributing piston, a fork on said lever enclosing the cam to effect positive control of the movement of said lever, a second cam on said driving shaft provided with a pair of faces, a rocking lever adjacent to said second cam in operative connection with the pump piston, and two lugs on said lever adapted to come alternately in operative contact with each of the faces of said pair to effect positive driving of the piston in both directions at a speed double to that of the distributing piston.

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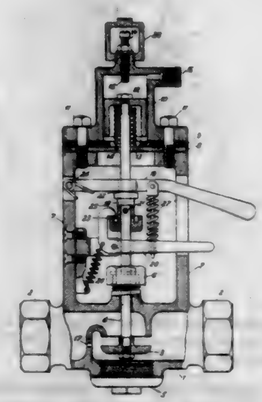
1,566,814. HEATING APPARATUS. WILLIAM L. BLISS, Niagara Falls, N. Y., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed Jan. 31, 1918, Serial No. 214,603. Renewed May 2, 1924. 15 Claims. (Cl. 237—6.)

1. In combination with a railway car, a heating device located in the car, a supply pipe leading thereto and adapted to be connected to a source of supply of heating medium, a pipe adapted to be connected with a source of supply of pressure fluid, and a governing device for controlling the supply of medium from the source of supply to the heating device having a port and comprising automatic means whereby said port is restricted without being closed on the disappearance of pressure fluid in said last named pipe and is opened to a greater extent when said pipe is put under pressure.



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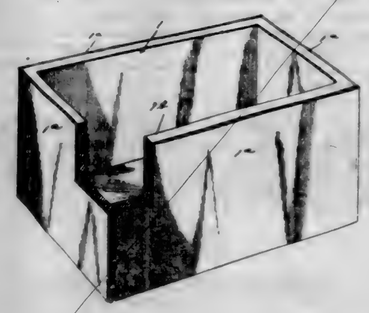
1,566,815. MOLDED BOX WITH VENEER EXTERIOR AND METHOD OF PRODUCING THE SAME. GEORGE W. BULLEY, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 3, 1925. Serial No. 20,476. 5 Claims. (Cl. 18—59.)



1. A composite article composed of a surface layer of wood impregnated with a phenolic condensation product and a body of cellular hard rubber united by vulcanization.

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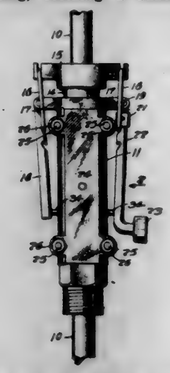
1,566,816. STUFFING BOX. FRANK W. CARLSON, Oilfields, Calif. Filed Mar. 29, 1923. Serial No. 628,548. 2 Claims. (Cl. 286—16.)

2. A stuffing box comprising a housing having an opening in one side corresponding substantially to the diameter of the bore of the housing, a door having a member fitting into the opening in the housing and provided

with a segmental inner surface supplementary to the bore of the housing, forming a substantially circular



chamber, a follower in one end of the housing, and means for forcing the follower into and maintaining it in compressing condition in the housing.

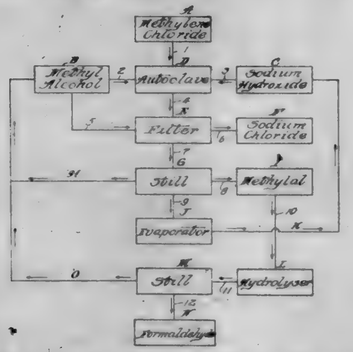
1,566,817. PRODUCTION OF PHENOL-METHYLAL RESIN. CARNIE B. CARTER and ALBERT E. COXE, Pittsburgh, Pa., assignors to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed Aug. 23, 1922. Serial No. 583,917. 5 Claims. (Cl. 260—4.)

1. The method of producing a phenolic condensation product which comprises: subjecting to the action of heat and pressure a phenolic body and a methylal in the presence of acid and water.

1,566,818. MANUFACTURE OF ALCOHOLS. CARNIE B. CARTER and ALBERT E. COXE, Pittsburgh, Pa., assignors to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed Aug. 28, 1922. Serial No. 584,843. 1 Claim. (Cl. 260—156.)

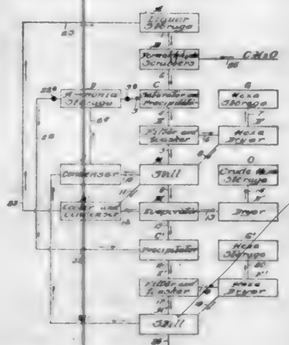
The continuous process of producing alcohol which comprises causing a reaction between a mono-halogenated hydrocarbon and an alkali dissolved in water and a small percentage of an alcohol of the aliphatic series, such reaction being effected at a temperature of approximately 100° C., under pressure, and removing alcohol from time to time to maintain a concentration of alcohol which is lower than 20%.

1,566,819. PROCESS OF PRODUCING METHYLALS. CARNIE B. CARTER, Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed July 26, 1924. Serial No. 728,461. 10 Claims. (Cl. 260—151.)



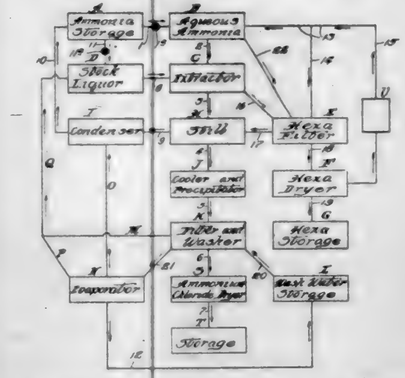

1. The process of producing methylal which comprises causing a reaction between methylene chloride, alcohol and an alkali.

1,566,820. PRODUCTION AND PURIFICATION OF HEXAMETHYLENETETRAMINE. CARNIE B. CARTER, Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed July 26, 1924. Serial No. 728,462. 11 Claims. (Cl. 260—141.)




1. In the production of hexamethylenetetramine, the step which comprises introducing ammonia into a solution of hexamethylenetetramine and thus lowering the saturation point and causing hexamethylenetetramine to be precipitated.

1,566,821. RECOVERY OF HEXAMETHYLENETETRAMINE FROM MIXTURES CONTAINING AMMONIUM CHLORIDE. CARNIE B. CARTER, Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed July 26, 1924. Serial No. 728,463. 9 Claims. (Cl. 260—141.)



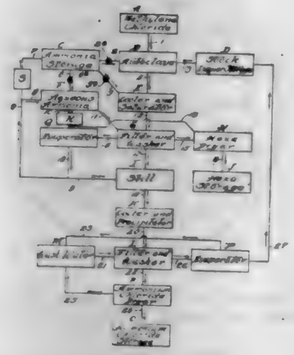

1. The method of effecting separation of hexamethylenetetramine from ammonium chloride which comprises employing aqueous ammonia in strong solution, whereby the solvent power for hexamethylenetetramine is decreased and the solvent power for ammonium chloride increased.

1,566,822. PRODUCTION OF HEXAMETHYLENETETRAMINE AND AMMONIUM CHLORIDE. CARNIE B. CARTER, Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed July 26, 1924. Serial No. 728,464. 6 Claims. (Cl. 260—141.)

1. The process of producing and separating hexamethylenetetramine and ammonium chloride which comprises: heating methylene chloride and aqueous ammonia and employing excess ammonia to lower the solvent power of

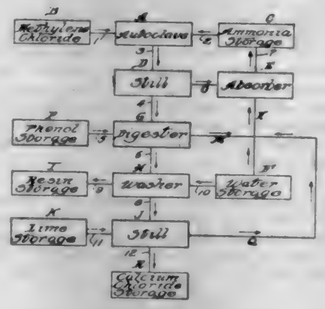


the liquor for hexamethylenetetramine and increase the same for ammonium chloride, separating the precipitated hexamethylenetetramine from the liquor, and distilling



ammonia from the liquor and cooling the liquor and thus precipitating ammonium chloride and separating the precipitated ammonium chloride from the liquor.

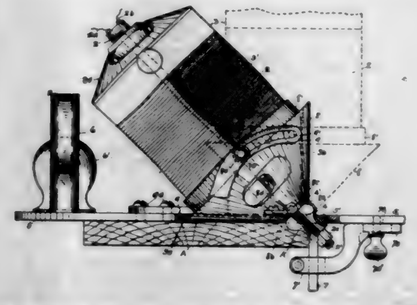
1,566,823. PROCESS OF PRODUCING A PHENOLIC CONDENSATION PRODUCT. CARNIE B. CARTER, Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed July 26, 1924. Serial No. 728,465. 5 Claims. (Cl. 260—4.)




1. The method of producing a phenolic condensation product which comprises: producing hexamethylenetetramine and ammonium chloride by reaction between methylene chloride and ammonia; digesting a phenolic body with a solution of said salts, the phenolic body being taken in excess of the molecular proportions with respect to the hexamethylenetetramine formed in the reaction; separating the fusible, soluble resin thus produced from the liquor; and purifying the resin.

1,566,824. SHAPER. RAY L. CARTER, Phoenix, N. Y. Filed Sept. 3, 1925. Serial No. 54,371. 8 Claims. (Cl. 144—134.)

1. The combination with a hand-propelled shaper including an encased motor and a tool rotated thereby, of a detachable hollow conical head adapted to be adjustably mounted upon the motor casing and having its expanded end formed cylindrical to receive the motor casing, said head having an axial opening in its reduced end through which the tool projects, and trunnions extend-



ing laterally from the reduced end of the head adapted for pivotally mounting the head upon a base or other support.

1,566,825. METHOD OF PREVENTING EVAPORATION FROM STORAGE TANKS. GENTRY CASH, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., and Whiting, Ind., a Corporation of Indiana. Filed May 4, 1923. Serial No. 636,591. 6 Claims. (Cl. 220—88.)



1. A method of preventing evaporation losses from storage tanks which consists in freely connecting the vapor vent of such a tank with a chamber open to the atmosphere whereby vapors from the tank are discharged into said chamber and are retracted therefrom into the tank on contraction of the contents of the latter, and means for maintaining the gaseous contents of the chamber in quiescence between the inlet to the chamber from the tank and its outlet.

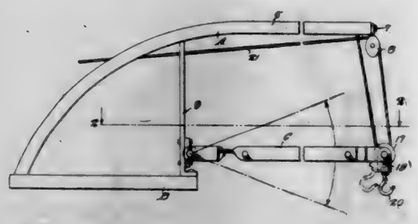
1,566,826. METHOD OF TREATING SEPARATORS. RUFUS N. CHAMBERLAIN, Chicago, Ill., assignor, by mesne assignments, to Gould Storage Battery Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 24, 1922. Serial No. 546,477. 7 Claims. (Cl. 136—148.)

1. The method which consists in treating a separator with an acid resistant material and subjecting the treated separator to the action of an alkali at high temperature, substantially as described.

1,566,827. UNIVERSAL PROTECTOR BAR. CLAUDE E. CHILSON, Elmira, N. Y. Filed Feb. 13, 1925. Serial No. 8,997. 1 Claim. (Cl. 214—86.)

The combination with a vertical bracket, of a pair of bearings carried thereby, a shaft revoluble in the bearings, a U-shaped member having its ends fixed to the shaft and

provided with a flattened portion intermediate its ends, an arm pivoted to the flattened portion to swing about a horizontal axis, a pulley journaled in the outer end of



the arm, a hook depending from the outer end of the arm, and disposed below the pulley and flexible means engaged with the pulley whereby to raise or lower the arm.

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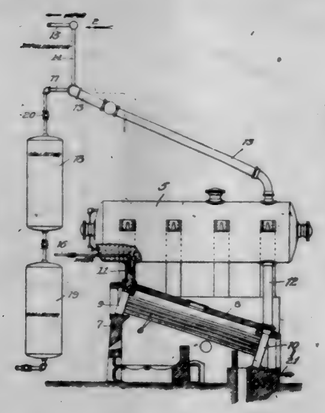
1,566,828. ART OF DISTILLING PETROLEUM OILS. EDGAR M. CLARK, New York, N. Y., assignor to Standard Development Company, a Corporation of Delaware. Filed Apr. 24, 1920. Serial No. 376,252. 3 Claims. (Cl. 196—84.)



1. The process of utilizing the contained heat of a fire-heated still and setting at the end of a pressure-distillation of a heavy oil for the production of gasoline for the treatment of the residues of the distillation, said residues being of about 20 degrees Bé. density, which consists in withdrawing the still fire, subsequently passing steam thru the residues and condensing the evolved vapors until about 60 per cent of the oil of the residues have been removed and condensed, and withdrawing the residual oil from the still.

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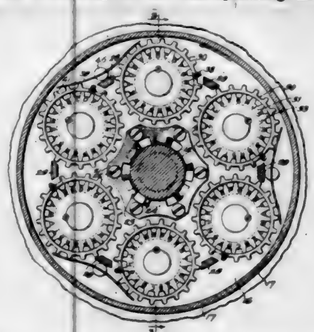
1,566,829. COMBINATION LOCK. FRANCISCO CLARK, Durango, Mexico. Filed Feb. 12, 1924. Serial No. 692,398. 1 Claim. (Cl. 70—53.)

1. A combination lock including a base plate having an approximately central opening, a turnable bolt operating member disposed at the back of the plate and having a hub extending through said opening, a handle attached to said hub at the front of the base plate, a ring-like element on the base plate at the back and having an annular series of spaced tooth-like projections, members on said hub adapted to pass through the spaces between said projections and adapted to move to the back of the said projections by a turning of the bolt-operating member, a



series of tumblers, and means on the tumblers to oppose or to permit the turning of said bolt-operating member.

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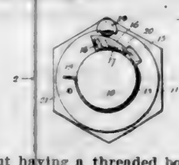
1,566,830. LOCK NUT. FRANCISCO CLARK, Durango, Mexico. Filed Apr. 30, 1925. Serial No. 27,044. 3 Claims. (Cl. 151—25.)



1. A lock nut having a threaded bore to receive a bolt, a headed pin on said nut at the rear face thereof, said nut having a pin hole remote from the headed pin, and a locking device comprising a head having teeth at the inner surface thereof adapted to grip the threads of the bolt, and a bowed spring extending from said head at one end and adapted to partially encircle the bolt, said head having a gradually reduced thickness from one end toward the opposite end and positioned adjacent to the headed pin to bear against the same to cause the pin to effect engagement of the teeth of said head with the threads of the bolt.

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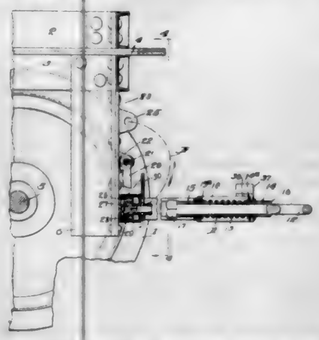
1,566,831. ADJUSTABLE DRAWBAR. CHARLES G. CLEMENT, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a Corporation of Wisconsin. Filed Sept. 16, 1922. Serial No. 588,556. 9 Claims. (Cl. 280—33.44.)



1. In combination with a vehicle frame, a drawbar with a link connected to the frame and to the drawbar by horizontal pivots extending transversely of the vehicle,



whereby said link is adapted to swing up or down to guide the drawbar into a higher or lower position, and means for connecting the drawbar to the frame independently of said link at either the higher or the lower position.

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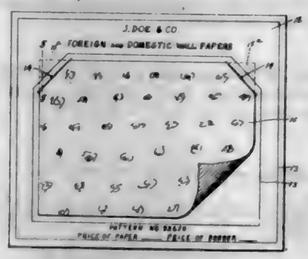
1,566,832. WALL-PAPER-ADVERTISING DEVICE. BENJAMIN A. COOK, Fitchburg, Mass. Filed Jan. 17, 1925. Serial No. 3,084. 1 Claim. (Cl. 211—28.)




A wall paper-advertising device, comprising a relatively stiff backing sheet, having two spaced apart oblique slits relatively near one of its edges, and a wall paper swatch of smaller area than the backing sheet and inserted at two corner portions, in said slits, the inserted portions being superimposed on, and cemented to, the back side of the sheet, so that the swatch is adequately secured to the sheet, and its major portion is exposed at the front side of the sheet without evidence of the presence of an adhesive on either the major portion of the swatch, or the front side of the sheet, the exposed portion of the swatch being free from attachment to the backing sheet, so that it may be displaced to permit inspection of its back side, and surrounded by a framelike marginal portion of the backing sheet, the backing sheet and swatch constituting a display unit which may be assembled loosely with other like units, in a receptacle for transportation, and handled and inspected independently of each other.

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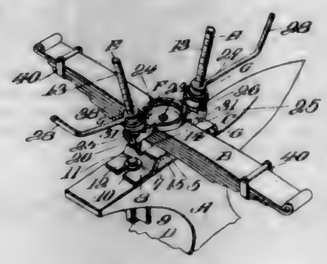
1,566,833. TOOL FOR ASSEMBLING SPRINGS. CHARLES W. CRANNELL, Chappell, Nebr., assignor of one-half to Benjamin J. Connor, Chappell, Nebr. Filed Jan. 5, 1925. Serial No. 629. 15 Claims. (Cl. 29—87.1.)



1. In a device of the character described, a base, a movable clamping ring above said base, and means to lock said clamping ring in clamping position upon the work, whereby said work is accessible through said clamping ring.

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1,566,834. MINE-ANCHOR DEVICE. SAMUEL CLARK CROSS, Washington, D. C. Filed June 20, 1923. Serial No. 646,649. 13 Claims. (Cl. 102—3.)

1. In a mine mooring device, the combination with a mine, of a mooring therefor, a connection between the mooring and the mine, a mine sweep slip device in such connection operative in certain positions only, and having a by-pass therein, a swivel joint in such connection

comprising links, one of which has a swivel socket, and the other of which has a guard, and means for directing a mine sweep through said by-pass for preventing the sweeping of the mine.

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1,566,835. HEATING STOVE. LESLIE DANA, St. Louis, Mo., assignor to The Charter Oak Stove and Range Company, St. Louis, Mo., a Corporation of Missouri. Original application filed Oct. 29, 1924, Serial No. 746,658. Divided and this application filed June 6, 1925. Serial No. 35,429. 5 Claims. (Cl. 126—277.)

1. In a stove, an ash pit and pan, a jacket surrounding said ash pit, and supported by the pan, and legs for supporting the stove above the floor and engaging the pan only at the corners, said legs having an upper skirting to overlap and cover the edge of the ash pit and the lower edge of the jacket.

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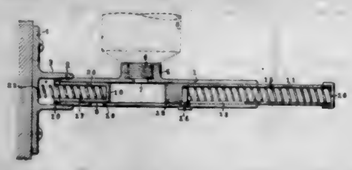
1,566,836. DISPENSING DEVICE. PHILIP G. DARLING, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Mar. 16, 1922. Serial No. 544,162. 2 Claims. (Cl. 221—102.)



1. A device of the class described comprising a tubular barrel supported at one end, said barrel having an inlet opening in its side wall surrounded by an outstanding internally threaded nipple for the reception of the threaded neck of a collapsible dispensing tube, a piston

provided with a tubular stem sliding in the outer portion of the barrel, a pin fixed in the barrel and projecting into the stem of the piston through a slot in the side wall of the stem, a helical spring disposed within the stem bearing at one end against the pin and at the other against a part carried by the stem, a plunger sliding in that end of the barrel at which the latter is supported, the barrel having an outlet opening longitudinally spaced from the inlet opening and normally covered by the plunger, and a spring for holding the plunger in normal position.

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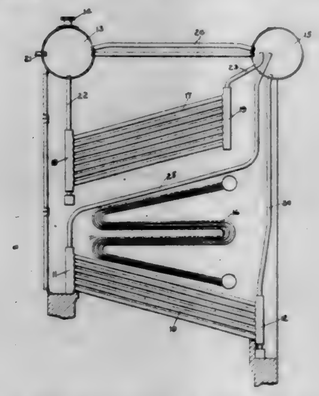
1,566,837. STEAM BOILER. CHRISTOPHER SAMUEL DAVY and CHRISTOPHER HUMPHREY DAVY, Beckenham, England, assignors to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Dec. 27, 1924. Serial No. 758,363. 2 Claims. (Cl. 122—299.)



1. In a water tube boiler, a first steam and water drum having a steam outlet, a second steam and water drum, tubes connecting said drums and arranged to conduct steam and water therebetween, a lower bank of horizontally inclined water tubes having their ends connected to said second drum, an upper bank of horizontally inclined water tubes above said lower bank and having their uptake ends connected to said second drum and their downtake ends connected to said first drum, and a water supply connected to said first drum.

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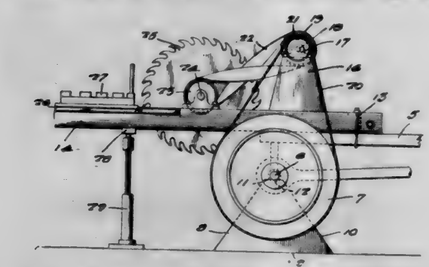
1,566,838. AUTOMOBILE SAWING MACHINE. JOSEPH TOUPHIL DE MAROIS, Anaconda, Mont. Filed Dec. 4, 1924. Serial No. 753,955. 2 Claims. (Cl. 143—43.)



1. A tool attachment for automobiles comprising a frame designed to be supported at one end upon the side members of an automobile chassis, spaced bearings positioned intermediate the length of the frame and carried by the side members thereof, a shaft journalled in said bearings, a rotary tool fixed to an end of said shaft and disposed at one side of the frame, a pulley fixed to an intermediate portion of the shaft, a pair of upright standards carried by the side members of the frame between said shaft and that end of the frame which is adapted to be supported upon the chassis, an elevated shaft journalled in bearings carried by the upper ends of said standards, pulleys fixed to the ends of said elevated shaft outwardly of said standards and adapted to be belted directly to the rear wheels of the automobile, an intermediate pulley carried by said elevated shaft and a belt connecting said last mentioned pulley to the pulley on the tool carrying shaft.

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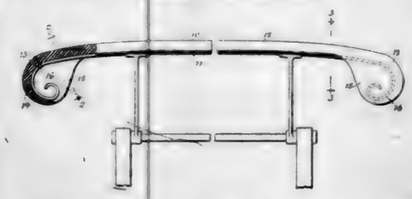
1,566,839. BUMPER PROTECTOR CUSHION. ROBERT DENELS, New York, N. Y. Filed May 14, 1925. Serial No. 30,289. 2 Claims. (Cl. 293—55.)



1. A bumper protecting cushion comprising an element made of a single piece of rubber to provide a pliable and elastic body, and an expansible bumper end receiving pocket at each end of said body.

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1,566,840. METHOD OF MAKING DENTAL PLATES. EDWARD L. DILLMAN, Jamaica, N. Y. Filed Nov. 25, 1924. Serial No. 752,275. 2 Claims. (Cl. 18—47.5.)

1. The method of forming dental plates from fusible material, which consists in forming a model of a material soluble in the presence of moisture, subsequently forming the porcelain plate thereon, fusing the porcelain plate and the model, and subsequently removing the model by adding moisture thereto and causing disintegration thereof.

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1,566,841. METHOD OF MAKING PORCELAIN ARTICLES. EDWARD L. DILLMAN, Jamaica, N. Y. Filed Mar. 19, 1925. Serial No. 16,862. 1 Claim. (Cl. 25—157.)

The herein described method of making porcelain articles, consisting in forming a mold of non-fusing composition, then making an impression in the mold, then filling the impression with fusible material, then placing the mold with the fusible material therein in a kiln and subjecting the same to the proper temperature for a desired period, then allowing the mold and the article to cool, and then removing the mold from the article by immersing the mold in water so that the material of the mold will disintegrate.

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1,566,842. SWEATER. NATHAN I. DRYFOOS, Cleveland, Ohio. Filed Feb. 18, 1922. Serial No. 537,633. 1 Claim. (Cl. 2—90.)

In a sweater the combination of a body portion having a neck opening and a collar attached thereto adapted to be raised about the ears and head, said collar being



open at the front and formed with the front edges extending outwardly to leave a wide angle in its normal position, the inner half of the front edges being provided with complementary fastening means to secure the collar edges together to form a folded collar adapted to fit snugly about the neck of the user, the outer edges of the folded collar flaring slightly, and a strap removably attached to the under side of the outer half of the collar near the front and extending around the collar and adapted to lie flat between the folds in the folded position of said collar but adapted to be passed over the head of the wearer in the raised position of the collar.

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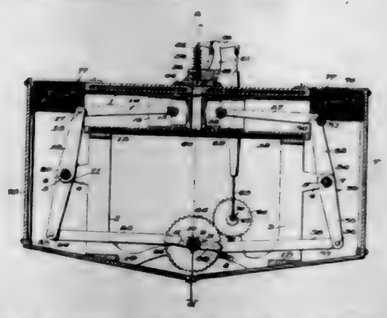
1,566,843. GAS ENGINE. RAPHAEL EDGAR DU BS, Denver, Colo. Filed Apr. 8, 1925. Serial No. 21,648. 3 Claims. (Cl. 123—195.)



3. In an internal combustion engine a horizontal cylinder, a frame supporting said cylinder and comprising a pair of longitudinal and arcuately shaped beams, a pair of standards rising from the opposite ends of said beams, a plate connecting a pair of the standards at the ends of the frame and curved to conform to the curvature of the cylinder for receiving said cylinder, brackets extending outwardly from the standards, a shaft mounted in each pair of brackets, a rock lever carried by each shaft, pistons in the cylinder, means connecting a piston with a lever, a crank shaft and means connecting each lever with the crank shaft whereby said shaft is revolved, a housing enclosing said frame, crank shaft and rock levers, and a removable cover plate connected to each end of the cylinder and the housing.

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1,566,844. SHIELD FOR GLASS HYPODERMIC SYRINGES. LOGAN EISELE, Nashville, Tenn. Filed May 14, 1921. Serial No. 469,679. 1 Claim. (Cl. 128—216.)

A hypodermic syringe comprising a glass body, a metal shield covering said glass body, and having a rearward cylindrical extension projecting over the said glass body and a diminished forward extension adapted to support a needle base, said forward extension being provided with a boring, and said glass body having a forwardly projecting tip coextensive with said forward extension, and means between said glass tip and said forward extension for permanently securing said shield to said glass body for preventing the contents of said syringe from being forced backward between said tip and said forward extension.

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1,566,845. JEWELRY COMPONENT. FREDERIC A. FAIRBROTHER, Providence, R. I. Filed May 7, 1923. Serial No. 637,075. 5 Claims. (Cl. 29—160.6.)

1. As an improved article of manufacture, a jewelry component comprising a pliable end portion substantially circular in cross section and a comparatively rigid body portion having a plurality of faces and having a cross section relatively larger than that of the end portion, the latter being freely bendable in all directions.

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1,566,846. ANCHOR. FREDRICK C. FIELDING, Coalinga, Calif., assignor of one-third to Edward A. Webb, Coalinga, Calif. Filed Mar. 14, 1923. Serial No. 625,146. 1 Claim. (Cl. 189—90.)

An anchor structure comprising a plate having opposite side edges converging towards each other from the intermediate portion of the plate toward the end thereof, the plate being pointed at one end and provided at its opposite end with a socket the axis of which is in alignment with the median longitudinal dimension of the plate, the plate being provided at its under side with a lip disposed at an acute angle to the plane of the plate and extending from the intermediate portion of the plate under the socket an eye carried by the plate and located upon the median longitudinal dimension thereof and at a point between the ends of the converging side edges of the pointed end of the plate and a rod having link connection with the eye.

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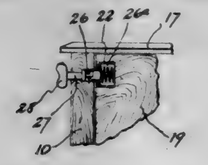
1,566,847. RADIOCABINET. LOUIS FIRMBACH, Sr., Ridgewood, N. Y. Filed Mar. 5, 1924. Serial No. 696,944. 2 Claims. (Cl. 292—74.)

1. In combination with a horizontally hinged door means for latching the corners of said door in closed position either releasably or positively, comprising sleeves embedded in the corners of the door, said sleeves having an internal shoulder, a hemispherical member slidable and adapted to partly project from said sleeve, a flange on said hemispherical member movable within the sleeve, a spring engaging the flange of the hemispherical member and adapted to urge the latter to pro-

ject, said door being adapted to be rotatable in a frame, the frame having recesses therein adapted to receive the projecting end of the hemispherical member, and




means in said frame cooperating with the door for engaging the hemispherical member to lock the latter in extended position.

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1,566,848. INCANDESCENT LAMP. GORTON R. FONDA, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 26, 1922. Serial No. 532,044. 9 Claims. (Cl. 176—16.)

1. An electric lamp comprising the combination of an incandescent body of refractory metal, a sealed bulb, a carbon-containing material in said bulb available for chemical reaction with gases in said bulb at the operating temperature of said body and in such quantity that by combination thereof with impurities in said lamp the operating properties of said body are improved.

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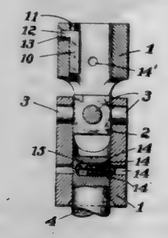
1,566,849. COUPLING FOR FLEXIBLE SHAFTING. WILLIAM R. FOX, Jackson, Mich., assignor to Fox Machine Company, Jackson, Mich., a Corporation of Michigan. Filed Feb. 24, 1921. Serial No. 447,514. 1 Claim. (Cl. 287—58.)




A shaft coupling comprising an outer tubular member having a cylindrical recess in the wall thereof, the axis of which is perpendicular to the axis of the tubular member, and an inner cylindric spindle member to fit said tubular member having a cylindric recess extending transversely thereof, and part way therethrough and of larger diameter than the recess in the tubular member, a cylindric plunger in the recess of the spindle member having a reduced cylindric end to fit the recess in said tubular member, said reduced end of the plunger forming a shoulder, the wall of said recess in the inner cylindric member, having a stop to cooperate with said shoulder to limit the outward movement of the plunger, and a compression spring located between said plunger and the bottom of the recess in the cylindric spindle member.

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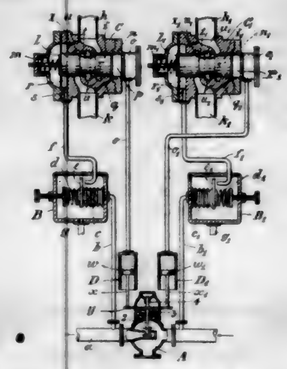
1,566,850. CONTROLLING APPARATUS. NILS FRENNE and ÅKE GÖRAN SAXBERG, Stockholm, Sweden, assignors to Aktiebolaget Vaporackumulator, Stockholm, Sweden, a Corporation. Filed Aug. 7, 1920. Serial No. 402,037. 22 Claims. (Cl. 50—10.)

1. In a control apparatus adapted to be influenced by separate impulses, the combination of a main control member, liquid pressure operated means to control the position of said member, liquid pressure operated means to control the operation of the first mentioned means,



separate streams of liquid under pressure for operating each of said means and means responsive to said impulses to control the operation of said second means.

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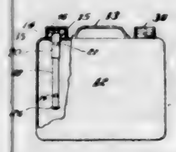
1,566,851. DISCHARGE SPOUT FOR LIQUID CONTAINERS. SIGMUND FREY, Los Angeles, Calif. Filed Feb. 28, 1924. Serial No. 695,720. 5 Claims. (Cl. 221—21.)




1. The combination with a liquid container of a sleeve valve in the wall of the container provided with a port, a tube slidably mounted in the sleeve valve and provided with a port and closed at its inner end, and valve means in the tube operable by the sleeve valve to uncover said second port when the tube is slid through the sleeve valve.

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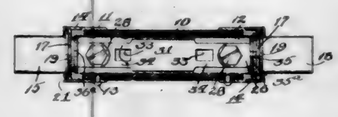
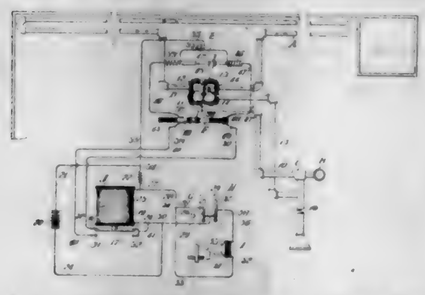
1,566,852. CARTRIDGE-FUSE KNIFE-BLADE TYPE FOR RENEWABLE FUSE ELEMENTS. JOHN B. GLOWACKI, Chicago, Ill. Filed Aug. 8, 1923. Serial No. 656,315. 3 Claims. (Cl. 200—132.)




1. A fuse device comprising a tube of insulating material, removable knife contacts in each end of the tube, discs mounted on said knife contacts, caps for securing said contacts and discs to each end of the tube, said knife contacts having an apertured extension within said tube, clamping blocks having one end abbutting members secured on said contacts, and cap screws passing through said apertured extension and threaded in said blocks, the ends of said cap screws being riveted over to prevent withdrawal.



1,566,853. THERMOSTAT FOR CAR-HEATING SYSTEMS. EGBERT H. GOLD, Chicago, and PAUL B. PARKS, Oak Park, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed July 27, 1923. Serial No. 654,216. 33 Claims. (Cl. 236—38.)



1. In combination with a railway car, a radiator therein, a thermostat inside the car for controlling the circulation of heating medium through the radiator, a housing having an air passage therethrough, and a support for the thermostat in said air passage composed of heat insulating material.

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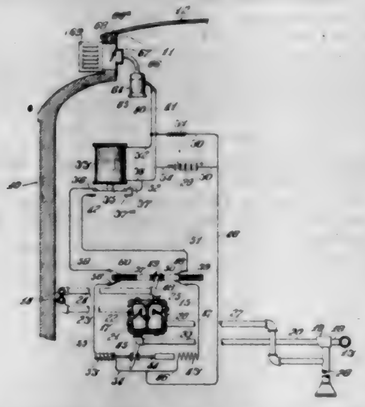
1,566,854. THERMOSTATICALLY-CONTROLLED HEATING SYSTEM. EGBERT H. GOLD and EDWARD A. RUSSELL, Chicago, Ill.; said Russell assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed July 27, 1923. Serial No. 654,217. 12 Claims. (Cl. 236—36.)



1. In combination with a railway car, a radiator therein, a thermostat for controlling the circulation of heating medium through the radiator, and means independent of the radiator for creating a forced draft of air in contact with the thermostat.

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1,566,855. ELECTRICAL FURNACE. ALLAN GRAUBL, Kitchener, Ontario, Canada, assignor of one-tenth to William Junor and one-tenth to Walter H. Warrington, both of Toronto, Ontario, Canada. Filed Apr. 30, 1923. Serial No. 635,626. 4 Claims. (Cl. 219—38.)

1. An electrical furnace, comprising a casing enclosing a water jacket and having a central closed heat chamber forming a part thereof, an electric insulation lining the bottom of said heat chamber, a bed of loose carbon particles arranged within the lined portion of said closed chamber, and electrodes inserted through the walls of said water jacket and insulated therefrom and forming

of said carbon particles an incandescent heat radiating body directing heat rays directly to the inner surface of the water jacket.

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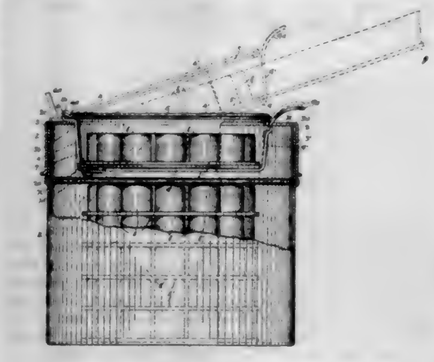
1,566,856. STORAGE AND DISPLAY RECEPTACLE. JOHN M. GREGORY, Skaneateles, N. Y., assignor to The Campfire Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 5, 1925. Serial No. 28,227. 5 Claims. (Cl. 220—82.)



1. The combination with a receptacle cover having an open top, of a display device comprising a split circular part adapted to support a transparent disc above said opening the members of said circular part and adapted to be spread apart for inserting and removing said disc, said circular part having a split depending portion extending part-away around the opening in said part adapted to support goods to be displayed within the cover and to enable said goods to be removed without disturbing the disc, and a lever pivoted beneath said depending portion, the free end of said lever comprising a finger-grip by which the display parts may be lifted away from the cover.

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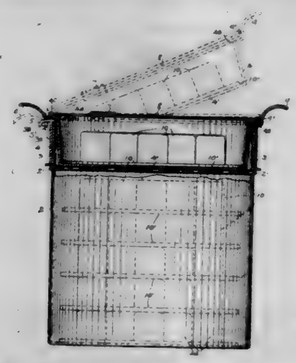
1,566,857. DISPLAY RECEPTACLE. JOHN M. GREGORY, Skaneateles, N. Y., assignor to The Campfire Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 5, 1925. Serial No. 28,228. 3 Claims. (Cl. 220—82.)

1. The combination with an open top receptacle, and a hoop surrounding said top, of a display tray closing the top of the receptacle comprising a circular flange adapted to overlap and rest upon the top margin of the receptacle, and a depending drawn portion that sinks concentrically

into the receptacle, a transparent disc for closing the mouth of the tray imposed upon said flange, clips mounted on the opposite sides of said flange for loosely holding



the disc in place, means for hinging the edge of said flange between said clips to said hoop, and a handle supported by the edge of said flange opposite the hinge and preventing the disc from shifting away from said clips.

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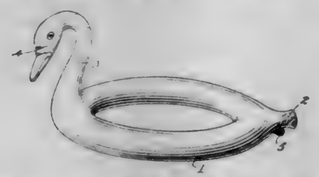
1,566,858. SWIMMING RING. EDWIN A. GUINZBURG, New York, N. Y. Filed Feb. 27, 1925. Serial No. 12,079. 1 Claim. (Cl. 9—17.)



A swimming ring acting as a combined float and toy, comprising a substantially circular hollow body having a hollow projection at one point representing the tail of a fowl and a post extending at right angles to the plane of the body at the diametrically opposite point, said post being formed as the neck and head of a fowl, and an inflating valve connected to said body, the interior of the body, tail and the post being in free communication.

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1,566,859. COAT AND HAT RACK. HIRAM D. GUNTHER, Chicago, Ill. Filed Nov. 2, 1923. Serial No. 672,350. 1 Claim. (Cl. 248—24.)

A device of the character described including a shank portion, brace members extending upwardly from the shank at an angle relative thereto, a substantially rectangular bracket at the upper end of the brace members,

a U-shaped supporting member arcuately curved longitudinally and having its ends pivotally mounted upon the lower longitudinal portion of the bracket with its side portions engaging the upper portion of the bracket when in an operative position to limit the outward swinging movement of the supporting member.

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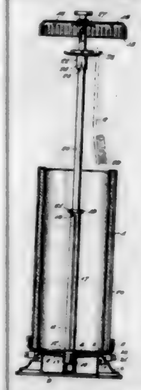
1,566,860. TOOTHBRUSH HOLDER. JAMES P. HAINSIGIANIS, New York, N. Y. Filed Mar. 9, 1925. Serial No. 14,292. 6 Claims. (Cl. 248—63.)



6. In a tooth brush holder, a container, a telescoping structure connected to the bottom of the container, a cap connected to the upper end of the telescoping structure, and a rotatable member formed with a plurality of hooks carried by the upper part of the telescoping structure, the proportion of the telescoping structure being such that when the same is distended to its full extent the rotatable hook carrying structure will be an appreciable distance above the container and when collapsed until the cover engages the container the brush supporting structure will be positioned within the container.

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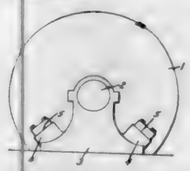
1,566,861. ELASTIC-FLUID TURBINE. REGINALD FRANCIS HALLIWELL, Leamington Spa, England, assignor to General Electric Company, a Corporation of New York. Filed June 30, 1925. Serial No. 40,623. 5 Claims. (Cl. 253—39.)



1. In an elastic fluid turbine comprising a shaft, a casing, and a bearing pedestal formed separately from the casing, means for supporting said casing on the pedestal, said means comprising coperating members on the pedestal and casing having engaging surfaces capable of radial movement relative to the center of the shaft to correct for relative expansion of the casing and pedestal.

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1,566,862. CENTRIFUGAL VAPORIZER. JAMES RAYMOND HALTERMAN, Cairo, Ill. Filed Oct. 27, 1924. Serial No. 746,150. 5 Claims. (Cl. 48—180.)

1. A device of the class described, comprising a casing adapted to be operatively mounted between the carbureter and manifold of a gas engine, said casing being provided



with an inwardly opening annular groove at one of its ends and an annular shoulder spaced from its other end, an inner circular breaker section having its sides tapering from an intermediate point toward each end, a plurality of spaced parallel vanes extending at an angle from

said breaker section, projections on said vanes for engagement with the shoulder, and an annular ring fitting tightly within the casing and engaging the vanes to maintain said breaker section in fixed position within the casing.

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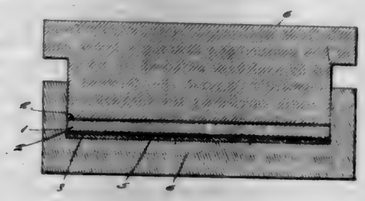
1,566,863. PANEL AND METHOD OF MAKING THE SAME. MARION M. HARRISON, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 5, 1925. Serial No. 48,315. 3 Claims. (Cl. 18—59.)



1. The hereindescribed method of forming panels for radio cabinets and analogous purposes, which consists in coating a wood veneer sheet with a phenol-formaldehyde artificial resin, applying to one surface thereof a sheet of fibrous material, juxtaposing a sheet of rubber compound to said fibrous material, and subjecting the laminated sheet to vulcanizing heat and pressure in a suitable mold.

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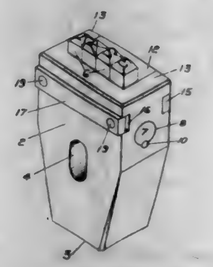
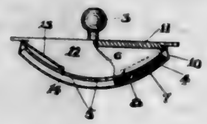
1,566,864. DIE HOLDER. LEON C. HAUER, Pittsburgh, Pa., assignor to Pannier Bros. Stamp Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 19, 1924. Serial No. 757,071. 6 Claims. (Cl. 101—28.)



5. A holder for a removable die consisting of a body member having a die socket, a round bar extending through the body member having a flattened bearing face forming a die seat, means for non-rotatably holding the bar, and means for clamping a die in the socket.

1,566,865. SELF-INKING DUPLICATOR. EDWIN P. GUTHRIE, San Francisco, Calif., assignor to E. S. Hamilton and Hugh B. E. Brown. Filed Apr. 18, 1925. Serial No. 22,573. 6 Claims. (Cl. 101—125.)



1. A self-inking duplicator comprising a block provided with a chamber, an opening in the block through which ink may be inserted into the chamber, a perforated material attached to the block so as to enclose the chamber, a pad attached to the perforated material, and a stencil paper removably attached to the surface of the pad.

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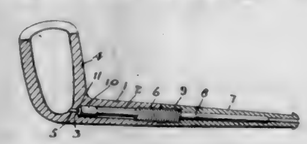
1,566,866. TOBACCO PIPE. WILLIAM WALLACE HESSON, Toronto, Ontario, Canada, assignor to Albert Freeman, New York, N. Y. Filed Apr. 16, 1925. Serial No. 23,709. 2 Claims. (Cl. 131—12.)



1. A tobacco pipe comprising a bowl having an integral shank or stem and a mouthpiece, the shank having an enlarged counter-bore extending from its outer end entirely through the shank and terminating in a flat annular shoulder close to the interior wall of the bowl and a short perforation connecting said counter-bore with the interior of the bowl, the mouthpiece having a longitudinal perforation and a counter-bore opening at its inner end, and a tubular member permanently secured in the counter-bore of the mouthpiece and fitted into the shank and having a squared end abutting and fitting said annular shoulder to prevent leakage when the parts are assembled, whereby a continuous passage without lateral pockets is formed leading from the interior of the bowl through the mouthpiece, and contamination of the shank of the bowl is avoided.

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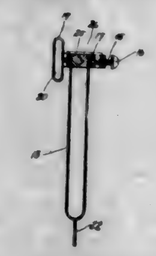
1,566,867. SWIMMING PURSE. JOSEPH HETZER, Corona, and ERICH KOHLHOF, New York, N. Y. Filed Feb. 4, 1925. Serial No. 6,688. 2 Claims. (Cl. 150—5.)



1. A swimming purse comprising a rigid elongated frame, a resilient pouch rotatably mounted in said rigid frame, stays on the top of said frame intermediate its length, loop members mounted on said frame, resilient strips integral with the upper open edges of said pouch, said strips being adapted to be mutually spread to expose

the chamber of the pouch, a triangular reset extending longitudinally on one of said strips, a triangular ridge extending longitudinally on the opposite strip and being adapted to register in the recess of the first-named strip to form a leak-proof joint, and a wedge bar movable in said frame and being adapted to mutually compress the pouch strips to seal the open end of said pouch.

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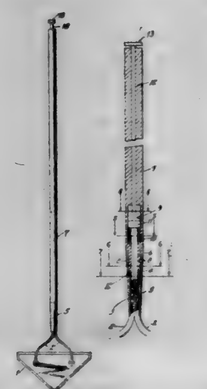
1,566,868. SCUFFLE HOE. AUGUST HINKELMANN, Elberta, Ala. Filed Oct. 1, 1923. Serial No. 665,904. 2 Claims. (Cl. 97—60.)



1. In a scuffle hoe, a cutting blade, a core connected to said blade, a stem receiving said core, a handle connected to said stem, a longitudinally movable rotary rod extending through said handle and normally into said core whereby rotation of the same is effected, and means for yieldingly retaining said rod and core in separate relation.

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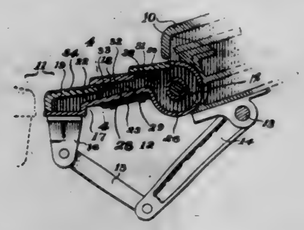
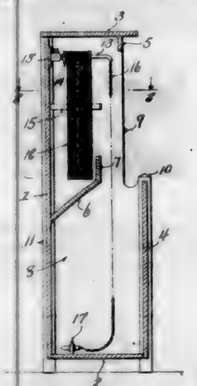
1,566,869. SECTIONAL GRATE FRAME. FREDERICK P. HOOSER, Hamilton, Ohio. Filed Dec. 4, 1923. Serial No. 678,423. 4 Claims. (Cl. 110—33.)



1. In a dumping grate of the character described, a supporting frame comprising a bottom having a narrow part provided with integral parallel side walls and a broader part provided with side walls offset outward from the first named side walls and spaced therefrom, side pieces including walls alining with and abutting the second named side walls, respectively, and integral transverse parts abutting the ends of the first named side walls respectively, each said side piece including an integral base plate joined to the wall and transverse part thereof and lying in overlapped relation to the bottom of the frame, and fastening means engaging the base plate and bottom of the frame.

1,566,870. TOWEL-DISPENSING CABINET. GEORGE M. HUBINGER, Milwaukee, Wis. Filed Apr. 14, 1924. Serial No. 706,510. 2 Claims. (Cl. 45—32.)



1. A towel dispensing cabinet comprising an upright body portion having a back extending the complete length of the device, a forwardly and upwardly extending partition carried by said back and projecting therefrom, a part length front wall extending upwardly from the front portion of the cabinet and defining a lower compartment, a bar carried by said back adjacent its upper portion and projecting forwardly beyond the forward edge of said partition, a chain carried by the forward end of said bar and loosely hanging downwardly and extending into the lower compartment and provided with an enlarged lower end, said bar being adapted to receive eyeletted towels, a U-shaped bar secured to said back at a point spaced below said supporting bar and adapted to surround an intermediate portion of said towels.

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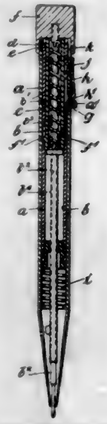
1,566,871. PROPELLER PENCIL. GEORGE REGINALD HUDSON, London, England. Filed Feb. 27, 1924. Serial No. 695,503. 2 Claims. (Cl. 120—12.)



1. The improved mechanical pencil comprising the combination of an outer casing with open ended guiding slot at its rear end and a locking aperture, a coiled spring in the forward end of said casing, an inner tubular member carrying a propelling mechanism and provided with an end knob for rotatably operating said propelling mechanism and for pushing the tubular member forward against the coiled spring, said inner tubular member also having a rearwardly projecting locking tongue mounted on its side towards the rear end and coacting with the rear edge of the locking aperture in the outer casing, and intermediate sleeve having a limited sliding movement on said inner tubular member and provided with a projecting nib slidable in the guiding slot of the outer casing and also having a slot through which the locking tongue on the inner tubular member passes, means for releasably retaining said intermediate sleeve and the inner tubular member in the outer casing, a resilient finger piece mounted on the exterior of the outer casing and provided on the underside of its free end with a projecting nib coacting with the locking tongue to disengage the same from the locked position when said finger piece is depressed.



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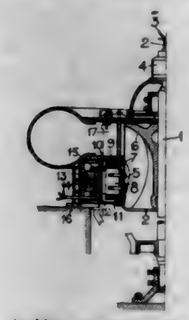
1,566,872. WATER-TURBINE GENERATOR. SANSAKU ISHIZAKA, Kochi-Ken, Japan. Filed Aug. 25, 1924. Serial No. 735,927. 2 Claims. (Cl. 290—52.)



1. A water turbine generator comprising a series of field magnets, a water turbine runner to the outside of which the field magnets are attached, and a stationary armature surrounding said magnets, the generator part of the device thus being continuously cooled by water flowing through the turbine part of the device.

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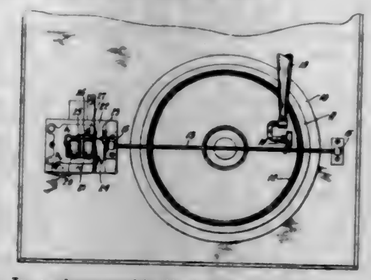
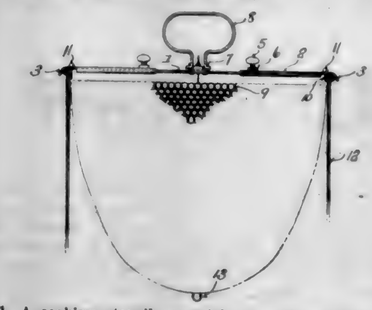
1,566,873. TIME-ANNOUNCING PHONOGRAPH. FELIX ISMAN, New York, N. Y., assignor to Edwin N. Duffy, New York, N. Y. Filed Dec. 10, 1924. Serial No. 754,970. 3 Claims. (Cl. 58—14.)



1. In a phonographic time announcer having a sound record provided with a plurality of concentric circular grooves and the sound reproducer co-operating therewith having an arm provided with a screw-threaded bore; the combination of a screw-threaded spindle rotatably disposed above said sound record and having eccentric journals, the threads of said spindle meshing with those of said arm, and a clock controlled means for giving said spindle a complete turn at predetermined time intervals, whereby said sound reproducer is disengaged from a groove in said record, shifted into alignment with the succeeding groove and lowered into engagement therewith.

1,566,874. COOKING UTENSIL. WALTER C. JACKSON, Abbotsford, Wis. Filed July 28, 1925. Serial No. 45,599. 3 Claims. (Cl. 53—1.)



1. A cooking utensil comprising a spider provided with a plurality of outwardly projecting slotted arms adapted to fit over the upper edge of a vessel, a mesh bag positioned below said spider and having a plurality of rods projecting from its upper edge, said rods being adapted to be positioned within the slot of said spider and having balls at their upper ends adapted to rest upon the upper surface of the arms of said spider adjacent the outer ends of such arms.

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1,566,875. SLED. ANDERS WALFRID JACOBSON and WILLIAM GEORGE SHASTAL, Hurkett, Ontario, Canada. Filed Oct. 13, 1924. Serial No. 743,502. 2 Claims. (Cl. 208—159.)

1. In a sled, a frame, steering runners therefor, a pair of spaced crank shafts carried by said frame, supporting runners at the ends of said crank shafts, and steppers carried by the cranks of said crank shafts.

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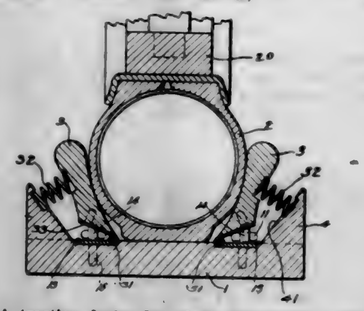
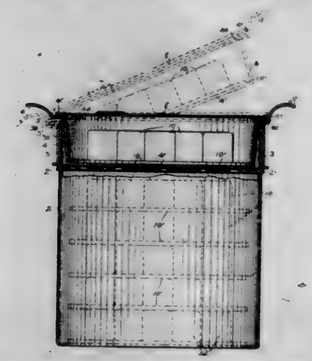
1,566,876. WHEEL TRACK. HJALMAR T. JOHNSON, Seattle, Wash. Filed Mar. 17, 1924. Serial No. 699,722. 7 Claims. (Cl. 305—6.)



5. A traction device for wheels comprising a plurality of transverse blocks connected in an endless tread, a pair of spaced chocks upon the inner face of each of said blocks, each of said chocks having an inwardly directed face, a side plate hinged by one end to each of said blocks inward of and adjacent to each of said chocks, and a spring interposed between the inclined face of each chock and its side plate to yieldingly support the plate from the chock.

into the receptacle, a transparent disc for closing the mouth of the tray imposed upon said flange, clips mounted on the opposite sides of said flange for loosely holding



the disc in place, means for hinging the edge of said flange between said clips to said hoop, and a handle supported by the edge of said flange opposite the hinge and preventing the disc from shifting away from said clips.

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1,566,858. SWIMMING RING. EDWIN A. GUINZBURG, New York, N. Y. Filed Feb. 27, 1925. Serial No. 12,079. 1 Claim. (Cl. 9—17.)

A swimming ring acting as a combined float and toy, comprising a substantially circular hollow body having a hollow projection at one point representing the tail of a fowl and a post extending at right angles to the plane of the body at the diametrically opposite point, said post being formed as the neck and head of a fowl, and an inflating valve connected to said body, the interior of the body, tail and the post being in free communication.

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1,566,859. COAT AND HAT RACK. HIRAM D. GUNTHER, Chicago, Ill. Filed Nov. 2, 1923. Serial No. 672,350. 1 Claim. (Cl. 248—24.)

A device of the character described including a shank portion, brace members extending upwardly from the shank at an angle relative thereto, a substantially rectangular bracket at the upper end of the brace members, a U-shaped supporting member arcuately curved longitudinally and having its ends pivotally mounted upon the lower longitudinal portion of the bracket with its side portions engaging the upper portion of the bracket when in an operative position to limit the outward swinging movement of the supporting member.

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1,566,860. TOOTHBRUSH HOLDER. JAMES P. HAINZIGIANIS, New York, N. Y. Filed Mar. 9, 1925. Serial No. 14,292. 6 Claims. (Cl. 248—63.)

6. In a tooth brush holder, a container, a telescoping structure connected to the bottom of the container, a cap connected to the upper end of the telescoping structure, and a rotatable member formed with a plurality of hooks carried by the upper part of the telescoping structure, the proportion of the telescoping structure being such that when the same is distended to its full extent the rotatable hook carrying structure will be an appreciable distance above the container and when collapsed until the cover engages the container the brush supporting structure will be positioned within the container.

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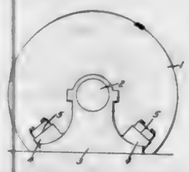
1,566,861. ELASTIC-FLUID TURBINE. REGINALD FRANCIS HALLIWELL, Leamington Spa, England, assignor to General Electric Company, a Corporation of New York. Filed June 30, 1925. Serial No. 40,623. 5 Claims. (Cl. 253—39.)



1. In an elastic fluid turbine comprising a shaft, a casing, and a bearing pedestal formed separately from the casing, means for supporting said casing on the pedestal, said means comprising coperating members on the pedestal and casing having engaging surfaces capable of radial movement relative to the center of the shaft to correct for relative expansion of the casing and pedestal.

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1,566,862. CENTRIFUGAL VAPORIZER. JAMES RAYMOND HALTERMAN, Cairo, Ill. Filed Oct. 27, 1924. Serial No. 746,150. 5 Claims. (Cl. 48—180.)

1. A device of the class described, comprising a casing adapted to be operatively mounted between the carbureter and manifold of a gas engine, said casing being provided



with an inwardly opening annular groove at one of its ends and an annular shoulder spaced from its other end, an inner circular breaker section having its sides tapering from an intermediate point toward each end, a plurality of spaced parallel vanes extending at an angle from

said breaker section, projections on said vanes for engagement with the shoulder, and an annular ring fitting tightly within the casing and engaging the vanes to maintain said breaker section in fixed position within the casing.

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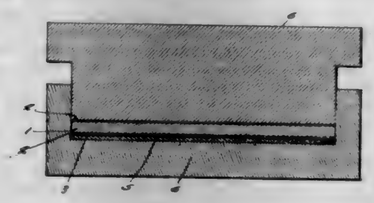
1,566,863. PANEL AND METHOD OF MAKING THE SAME. MARION M. HARRISON, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 5, 1925. Serial No. 48,315. 3 Claims. (Cl. 18—59.)



1. The hereindescribed method of forming panels for radio cabinets and analogous purposes, which consists in coating a wood veneer sheet with a phenol-formaldehyde artificial resin, applying to one surface thereof a sheet of fibrous material, juxtaposing a sheet of rubber compound to said fibrous material, and subjecting the laminated sheet to vulcanizing heat and pressure in a suitable mold.

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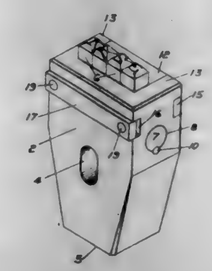
1,566,864. DIE HOLDER. LEON C. HAUER, Pittsburgh, Pa., assignor to Pannier Bros. Stamp Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 19, 1924. Serial No. 757,071. 6 Claims. (Cl. 101—28.)



5. A holder for a removable die consisting of a body member having a die socket, a round bar extending through the body member having a flattened bearing face forming a die seat, means for non-rotatably holding the bar, and means for clamping a die in the socket.

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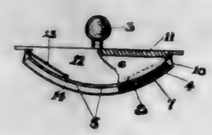
1,566,865. SELF-INKING DUPLICATOR. EDWIN P. GUTHRIE, San Francisco, Calif., assignor to E. S. Hamilton and Hugh B. E. Brown. Filed Apr. 13, 1925. Serial No. 22,573. 6 Claims. (Cl. 101—125.)



1. A self-inking duplicator comprising a block provided with a chamber, an opening in the block through which ink may be inserted into the chamber, a perforated material attached to the block so as to enclose the chamber, a pad attached to the perforated material, and a stencil paper removably attached to the surface of the pad.

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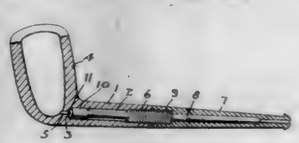
1,566,866. TOBACCO PIPE. WILLIAM WALLACE HEBSON, Toronto, Ontario, Canada, assignor to Albert Freeman, New York, N. Y. Filed Apr. 16, 1925. Serial No. 23,709. 2 Claims. (Cl. 131—12.)



1. A tobacco pipe comprising a bowl having an integral shank or stem and a mouthpiece, the shank having an enlarged counter-bore extending from its outer end entirely through the shank and terminating in a flat annular shoulder close to the interior wall of the bowl and a short perforation connecting said counter-bore with the interior of the bowl, the mouthpiece having a longitudinal perforation and a counter-bore opening at its inner end, and a tubular member permanently secured in the counter-bore of the mouthpiece and fitted into the shank and having a squared end abutting and fitting said annular shoulder to prevent leakage when the parts are assembled, whereby a continuous passage without lateral pockets is formed leading from the interior of the bowl through the mouthpiece, and contamination of the shank of the bowl is avoided.

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1,566,867. SWIMMING PURSE. JOSEPH HETZER, Corona, and ERICH KOHLHOF, New York, N. Y. Filed Feb. 4, 1925. Serial No. 6,688. 2 Claims. (Cl. 150—5.)

1. A swimming purse comprising a rigid elongated frame, a resilient pouch rotatably mounted in said rigid frame, stays on the top of said frame intermediate its length, loop members mounted on said frame, resilient strips integral with the upper open edges of said pouch, said strips being adapted to be mutually spread to expose

the chamber of the pouch, a triangular reset extending longitudinally on one of said strips, a triangular ridge extending longitudinally on the opposite strip and being adapted to register in the recess of the first-named strip to form a leak-proof joint, and a wedge bar movable in said frame and being adapted to mutually compress the pouch strips to seal the open end of said pouch.

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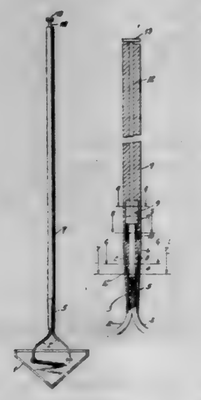
1,566,868. SCUFFLE HOE. AUGUST HINKELMANN, Elberta, Ala. Filed Oct. 1, 1923. Serial No. 665,904. 2 Claims. (Cl. 97—60.)



1. In a scuffle hoe, a cutting blade, a core connected to said blade, a stem receiving said core, a handle connected to said stem, a longitudinally movable rotary rod extending through said handle and normally into said core whereby rotation of the same is effected, and means for yieldingly retaining said rod and core in separate relation.

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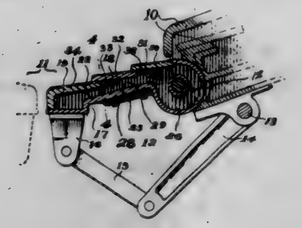
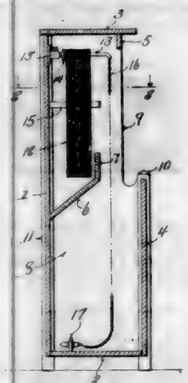
1,566,869. SECTIONAL GRATE FRAME. FREDERICK P. HOOBER, Hamilton, Ohio. Filed Dec. 4, 1923. Serial No. 678,423. 4 Claims. (Cl. 110—33.)



1. In a dumping grate of the character described, a supporting frame comprising a bottom having a narrow part provided with integral parallel side walls and a broader part provided with side walls offset outward from the first named side walls and spaced therefrom, side pieces including walls alining with and abutting the second named side walls, respectively, and integral transverse parts abutting the ends of the first named side walls respectively, each said side piece including an integral base plate joined to the wall and transverse part thereof and lying in overlapped relation to the bottom of the frame, and fastening means engaging the base plate and bottom of the frame.

1,566,870. TOWEL-DISPENSING CABINET. GEORGE M. HUBINGER, Milwaukee, Wis. Filed Apr. 14, 1924. Serial No. 706,510. 2 Claims. (Cl. 45—32.)



1. A towel dispensing cabinet comprising an upright body portion having a back extending the complete length of the device, a forwardly and upwardly extending partition carried by said back and projecting therefrom, a part length front wall extending upwardly from the front portion of the cabinet and defining a lower compartment, a bar carried by said back adjacent its upper portion and projecting forwardly beyond the forward edge of said partition, a chain carried by the forward end of said bar and loosely hanging downwardly and extending into the lower compartment and provided with an enlarged lower end, said bar being adapted to receive eyeletted towels, a U-shaped bar secured to said back at a point spaced below said supporting bar and adapted to surround an intermediate portion of said towels.

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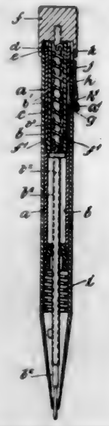
1,566,871. PROPELLER PENCIL. GEORGE REGINALD HUDSON, London, England. Filed Feb. 27, 1924. Serial No. 695,503. 2 Claims. (Cl. 120—12.)



1. The improved mechanical pencil comprising the combination of an outer casing with open ended guiding slot at its rear end and a locking aperture, a coiled spring in the forward end of said casing, an inner tubular member carrying a propelling mechanism and provided with an end knob for rotatably operating said propelling mechanism and for pushing the tubular member forward against the coiled spring, said inner tubular member also having



a rearwardly projecting locking tongue mounted on its side towards the rear end and coacting with the rear edge of the locking aperture in the outer casing, and intermediate sleeve having a limited sliding movement on said inner tubular member and provided with a projecting nib slidable in the guiding slot of the outer casing and also having a slot through which the locking tongue on the inner tubular member passes, means for releasably retaining said intermediate sleeve and the inner tubular member in the outer casing, a resilient finger piece mounted on the exterior of the outer casing and provided on the underside of its free end with a projecting nib coacting with the locking tongue to disengage the same from the locked position when said finger piece is depressed.

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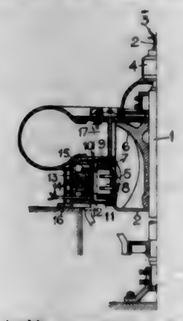
1,566,872. WATER-TURBINE GENERATOR. SANSAKU ISHIZAKA, Kochi-Ken, Japan. Filed Aug. 25, 1924. Serial No. 733,927. 2 Claims. (Cl. 290—52.)



1. A water turbine generator comprising a series of field magnets, a water turbine runner to the outside of which the field magnets are attached, and a stationary armature surrounding said magnets, the generator part of the device thus being continuously cooled by water flowing through the turbine part of the device.

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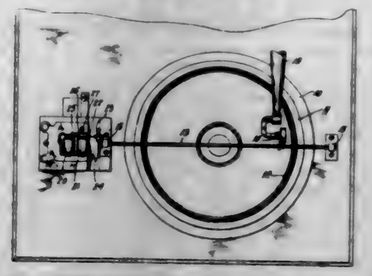
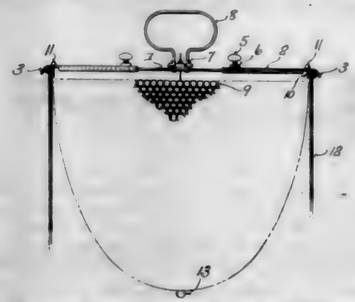
1,566,873. TIME-ANNOUNCING PHONOGRAPH. FELIX ISMAN, New York, N. Y., assignor to Edwin N. Duffy, New York, N. Y. Filed Dec. 10, 1924. Serial No. 754,970. 3 Claims. (Cl. 58—14.)



1. In a phonographic time announcer having a sound record provided with a plurality of concentric circular grooves and the sound reproducer co-operating therewith having an arm provided with a screw-threaded bore; the combination of a screw-threaded spindle rotatably disposed above said sound record and having eccentric journals, the threads of said spindle meshing with those of said arm, and a clock controlled means for giving said spindle a complete turn at predetermined time intervals, whereby said sound reproducer is disengaged from a groove in said record, shifted into alignment with the succeeding groove and lowered into engagement therewith.

1,566,874. COOKING UTENSIL. WALTER C. JACKSON, Abbotsford, Wis. Filed July 23, 1925. Serial No. 45,599. 3 Claims. (Cl. 53—1.)



1. A cooking utensil comprising a spider provided with a plurality of outwardly projecting slotted arms adapted to fit over the upper edge of a vessel, a mesh bag positioned below said spider and having a plurality of rods projecting from its upper edge, said rods being adapted to be positioned within the slot of said spider and having balls at their upper ends adapted to rest upon the upper surface of the arms of said spider adjacent the outer ends of such arms.

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1,566,875. SLED. ANDERS WALFRID JACOBSON and WILLIAM GEORGE SHARTAL, Hurkett, Ontario, Canada. Filed Oct. 13, 1924. Serial No. 743,502. 2 Claims. (Cl. 208—159.)

1. In a sled, a frame, steering runners therefor, a pair of spaced crank shafts carried by said frame, supporting runners at the ends of said crank shafts, and steppers carried by the cranks of said crank shafts.

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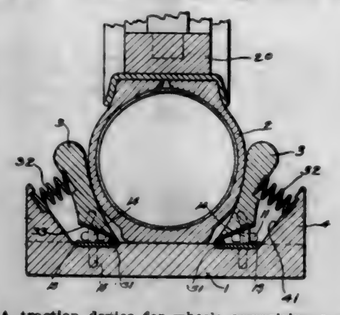
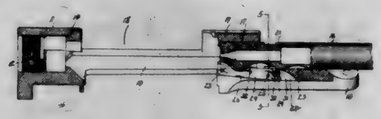
1,566,876. WHEEL TRACK. HJALMAR T. JOHNSON, Seattle, Wash. Filed Mar. 17, 1924. Serial No. 699,722. 7 Claims. (Cl. 305—6.)



5. A traction device for wheels comprising a plurality of transverse blocks connected in an endless tread, a pair of spaced chocks upon the inner face of each of said blocks, each of said chocks having an inwardly directed face, a side plate hinged by one end to each of said blocks inward of and adjacent to each of said chocks, and a spring interposed between the inclined face of each chock and its side plate to yieldingly support the plate from the chock.

1,566,877. BOLT-ACTION FIREARM. THOMAS C. JOHNSON, New Haven, Conn., assignor to Winchester Repeating Arms Co., New Haven, Conn. Filed Oct. 22, 1925. Serial No. 64,077. 5 Claims. (Cl. 42—16.)



1. A bolt-action firearm having a receiver, a breech-bolt located therein, a positive bolt-stop, and a one-piece, combined bolt-retainer and ejector, whereby the unintentional escape of the breech-bolt from the receiver is prevented when the positive bolt-stop is out of play.

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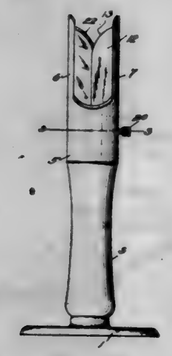
1,566,878. TWINE CUTTER. ERWIN R. JONES, Columbus, Ohio. Filed May 2, 1923. Serial No. 636,099. 8 Claims. (Cl. 30—14.)



1. A device of the class described comprising a handle, a collar carried by the handle, a pair of fingers carried by the collar, spaced plates fixed interiorly of one of the fingers, a cutting blade slidable between the plates, and means for sliding and locking the blade in adjusted positions with respect to the fingers.

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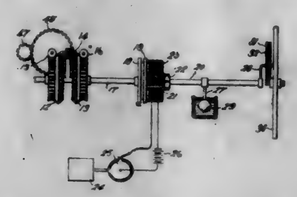
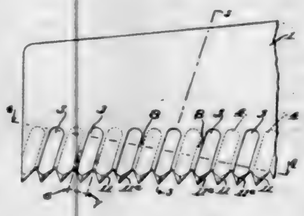
1,566,879. METERING SYSTEM. VLADIMIR KARAPETOFF, Ithaca, New York, assignor to General Electric Company, a Corporation of New York. Filed Mar. 7, 1922. Serial No. 541,842. 9 Claims. (Cl. 172—245.)



2. A system of supply comprising a plurality of supply lines for conveying a medium, means for determining the unbalancing of supply in one of said lines comprising means for measuring the quantity of medium supplied by said one line, means for obtaining the average quantity supplied by all of said lines and differential means for comparing said quantities.

1,566,880. SAW. JOHN E. KELLEY, Fitchburg, Mass., assignor to Simonds Saw and Steel Company, Fitchburg, Mass., a Corporation of Massachusetts. Filed Feb. 8, 1923, Serial No. 617,738. Renewed July 18, 1925. 6 Claims. (Cl. 143—133.)



1. A saw blade having thin portions adjacent to its edge, each of said thin portions terminating in a tooth projection having a transverse cutting edge, and a web substantially the full thickness of the main body of the blade interposed between adjacent tooth projections.

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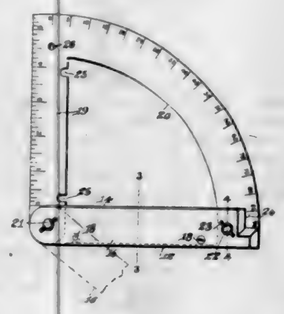
1,566,881. COMBINATION IMPLEMENT. LOGAN M. KERR, Ebensburg, Pa. Filed May 31, 1923. Serial No. 642,630. 1 Claim. (Cl. 33—75.)



An implement of the class described comprising a straight blade and a segmental blade, said straight blade having inwardly opening recesses in spaced relation, a stock formed of spaced members and pivoted at one end to opposite faces of the straight blade and having threaded apertures in the free ends and movable over the segmental blade, said spaced members constituting the stock and connected by spaced pins which engage in the spaced recesses of the straight blade when the members of the stock are disposed over the straight blade and limit the movement in one direction, and said straight blade and segmental blade being provided respectively with threaded sockets spaced at equal distances from the pivot of the stock and at right angles to each other, and a threaded holding pin engageable alternately in the threaded apertures of the stock or against the segmental blade between the spaced sockets.

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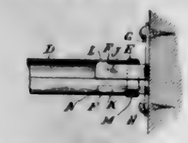
1,566,882. CURTAIN FIXTURE. CHARLES W. KIRSCH, Sturgis, Mich., assignor to Kirsch Manufacturing Company, Sturgis, Mich., a Corporation of Michigan. Filed Feb. 28, 1924. Serial No. 695,696. 2 Claims. (Cl. 156—22.)

1. In combination, a hollow curtain rod having an opening adjacent one end, a constriction within said



end, and a wall bracket having two fingers adapted to extend into said rod, one having an extension adapted



to engage said opening in the rod, the other finger having a depression on its lower edge adapted to engage said constriction.

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1,566,883. SIGN LETTERS AND METHOD OF MAKING SAME. VICTOR N. KLITHOLM, Wilson, Conn. Filed Sept. 28, 1925. Serial No. 58,977. 5 Claims. (Cl. 41—24.)

1. The method of forming sign letters the component elements of which are concave in cross-sections, characterized by cutting the letter from sheet material which is semiplastic and transversely flexing each element of the letter progressively along its length to give the element a permanent concave set without substantially distorting the shape of the letter outline.

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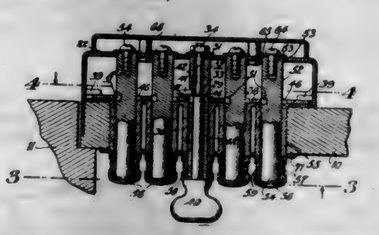
1,566,884. COMBINATION LOCK. ROCCO LAROSA, New York, N. Y. Filed July 30, 1925. Serial No. 47,106. 4 Claims. (Cl. 70—53.)



1. In a permutation lock, a casing, a shiftable bolt, a movable manipulating member engageable therewith for effecting shifting movement thereof and having a keeper opening, and a permutation mechanism for locking the member against movement and for releasing the same, comprising a locking plate having a locking lug and normally shiftable in one direction to disengage the locking lug from the keeper opening in the manipulating member to disengage and unlock said manipulating member for free movement, and a plurality of relatively adjustable devices engageable with the locking plate for preventing normal shifting movement thereof to a released position except when relatively adjusted with respect to each other in a predetermined position.

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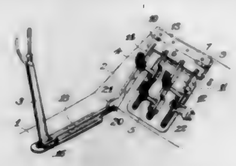
1,566,885. AUTOMOBILE LOCKING DEVICE. MATHIAS LASKA, New Orleans, La. Filed June 17, 1924. Serial No. 720,712. 1 Claim. (Cl. 70—126.)

A locking device for automobiles having an operative element extending through the floorboard, which comprises a pivoted plate connected to the board, an arm connected to said plate, a second arm pivoted to said first arm at its outer end, means for moving the plate to dispose it along the floorboard, said arms in this position of the plate being extended, and means on the first



arm to lie over the second arm in its extended position to limit its movement in one direction, said second arm adapted when thus extended to engage the operative element.

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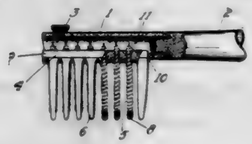
1,566,886. FOUNTAIN COMB. GEORGE C. LILLIE, Chicago, Ill. Filed Jan. 28, 1925. Serial No. 5,244. 2 Claims. (Cl. 132—13.)



1. In a fountain comb, a hollow body, a handle therefor, hollow teeth removably carried by said comb, and wick carried by said teeth and extending into the said hollow body.

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1,566,887. PAPER BAG. ZENO LITTMAN, New York, N. Y., assignor to Cohoes Envelope Co. Inc., New York, N. Y. Filed June 9, 1922. Serial No. 567,002. 4 Claims. (Cl. 229—76.)

1. In an envelope, a closure flap forming an extension of one wall of the envelope, and a second closure flap member attached to the inner surface of the other wall at the end thereof and folded back along said wall for a distance substantially equaling the extension of the other flap beyond the end of the wall, said second closure member being folded back on itself at and extending inwardly from the open end of the envelope to a distance substantially equal to the projection of the other flap member.

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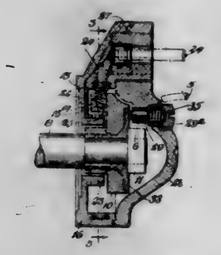
1,566,888. IGNITION SYSTEM. GUNTHER LUCKEMAN, Morsemere, N. J. Filed Dec. 22, 1924. Serial No. 757,560. 1 Claim. (Cl. 200—20.)

A timer-distributor unit for an ignition system having a primary and secondary circuit and spark plugs, comprising in combination a rotatable member having

spaced contacts, a brush adapted to periodically connect the spaced contacts with the primary circuit, a conductor ring electrically connected with the secondary circuit, stationary contacts adapted to be electrically connected with the spark plugs, a pair of brushes periodically connecting the ring with the stationary contacts, a casing formed of insulating material and carrying the stationary contacts, and a cover for the casing, said first mentioned brush being slidably mounted in the cover.



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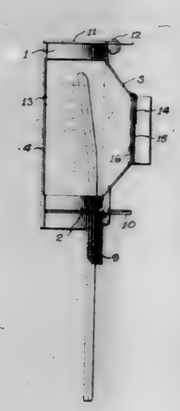
1,566,889. TOOTHBRUSH HOLDER. ERNEST F. LUNDGREN, Brooklyn, N. Y. Filed Aug. 3, 1923. Serial No. 655,445. 3 Claims. (Cl. 248—63.)



2. A tooth brush holder comprising an elongated cylindrical casing closed at one end, and a plurality of spring pressed blades pivotally mounted on said casing to form a closure for the other end thereof, said blades being cut away sufficiently to permit the brush handle to engage the inner edges thereof to separate the blades and to permit insertion of a brush without touching the bristles.

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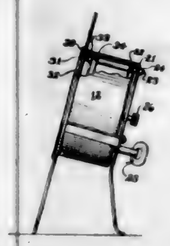
1,566,890. CLOCK MOUNTING. FREDERICK LUX, Waterbury, Conn., assignor to Lux Clock Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Nov. 8, 1924. Serial No. 748,570. 7 Claims. (Cl. 58—56.)

1. In a clock-mounting, a casing containing a clock movement, said casing having a front flange, a front supporting plate surrounding said casing and engaging said flange, a rear supporting bracket having a plurality of



arms embracing said casing, said bracket also having a depending leg, said supporting plate and depending leg being adapted to rest upon a table or the like.

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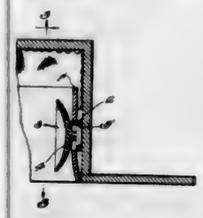
1,566,891. HAT RETAINER. CHARLES DOWNEY LYON, Chicago, Ill. Filed Aug. 30, 1924. Serial No. 735,189. 2 Claims. (Cl. 132—59.)



1. In combination with a hat band having a button hole, a cup shaped resilient holder having a button for passage through said hole.

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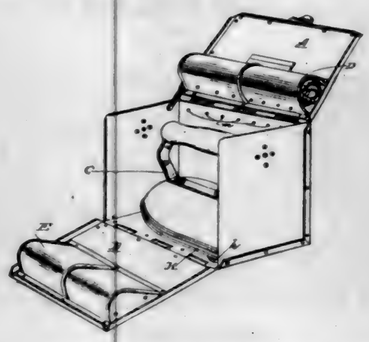
1,566,892. CONTAINER FOR ELECTRIC IRONS. MICHAEL W. MCARDLE, Chicago, Ill. Filed Feb. 25, 1924. Serial No. 694,846. 8 Claims. (Cl. 206—16.)



1. A container for the purpose indicated having a hinged closure member and means for carrying the electric cable of the iron in a position out of contact with the latter, said means being mounted on the inner side of said closure member and positioned thereon for holding the cable in a position at one side of the handle of the iron when the closure member is in closed position.



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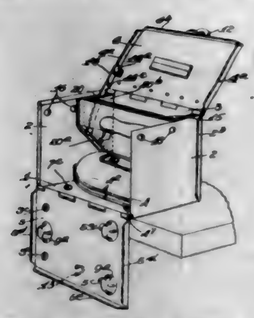
1,566,893. STAND AND CONTAINER FOR ELECTRIC IRONS. MICHAEL MCARDLE, Chicago, Ill. Continuation of application Serial No. 687,181, filed Jan. 19, 1924. This application filed Mar. 24, 1924. Serial No. 701,319½. 10 Claims. (Cl. 206—16.)



1. A container and stand for an electric iron consisting of a case which is openable forwardly and upwardly for entrance and exit of the iron, said case having mounted on its back wall and extending down behind the position of the handle or the iron and upwardly open pocket dimensioned for storing the detachable electric cable of the iron.

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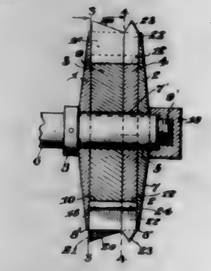
1,566,894. CUTTER. GEORGE G. MCCLENNY, Woodville, N. C., assignor to George T. McClenny, Woodville, N. C. Filed Nov. 20, 1924. Serial No. 751,084. 3 Claims. (Cl. 144—238.)



1. In a cutter for the purpose set forth, a pair of abutting bit holders each provided with a series of bit receiving grooves opening at the edge and sides thereof, each of said grooves having one side wall thereof offset at its inner end, the grooves in one of said holders disposed diagonally throughout with respect to the edge thereof and the grooves in the other of said holders extending throughout parallel to the axis thereof, the diagonally extending grooves being of a greater length than and registering at their inner ends with the inner ends of the other of said grooves, said holders being circular and of like diameter, and a bit retaining disk positioned against the outer face of each of and of the same diameter as said holders.

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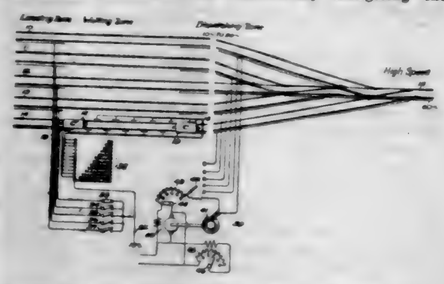
1,566,895. ELECTRIC-RAILWAY SYSTEM. ROBERT H. MCLAIN, New York, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 21, 1924. Serial No. 751,228. 7 Claims. (Cl. 104—149.)

7. An automatic alternating current electric railway system comprising a plurality of feeder tracks joining a normally energized main track and a plurality of alternating current motor driven cars arranged to operate thereon, each of said cars having a coupler at each end thereof and each of said feeder tracks having a normally de-energized dispatching zone adjacent said main track and a sectionalized waiting zone disposed adjacent thereto, switch mechanism for successively energizing the



sections of said sectionalized zone to individually move the last car entering thereupon into coupling engagement with the preceding car, and means including a source of variable voltage and frequency for accelerating and feeding a coupled train of cars from each of said dispatching zones to said main track.

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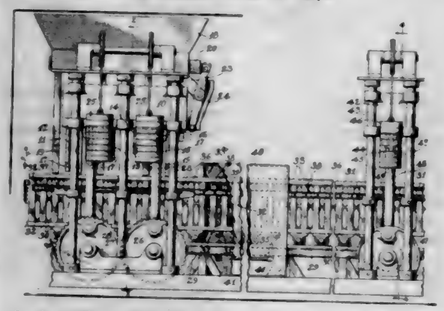
1,566,896. METHOD OF AND APPARATUS FOR MAKING COMPOSITION CORK SLABS. CHARLES E. MCMANUS, New York, N. Y. Filed June 27, 1923. Serial No. 648,110. 16 Claims. (Cl. 18—5.)



1. A method of making composition cork slabs consisting of intermittently moving a sequence of closely adjacent, spaced molds with relation to a packing mechanism adapted to progressively compact succeeding charges of granular cork having a thin coating of an adhesive or binder, in alternate molds, said molds each having an angular mold space therein of relatively greater height than width and having a narrow top opening, delivering coated granular cork in measured quantities through the narrow top opening of the molds intermediate those in which cork is being compacted, inserting a plug in the open top of each mold after the final charge of granular cork has been compacted therein, and thereafter successively passing the molds through a high temperature zone and a low temperature zone, to condition and set the thin coating of adhesive or binder upon the cork granules.

15. An apparatus for making composition cork slabs embodying therein a sequence of plungers of progressively decreasing, graduated lengths, means imparting reciprocatory movement to said plungers, a hopper adapted to receive composition cork, means operating in synchronism with said plungers, whereby a measured quantity of composition cork is delivered from said hopper to molds in advance of each of said plungers, an oven, means whereby an elevated temperature may be maintained in said oven, an ejecting mechanism consisting of

a single reciprocatory plunger, crank wheels, connecting rods between said crank wheels and said plunger, the movement of said last named plunger being synchronized with that of said first named sequence of plungers, a continuous track structure extending adjacent said plungers, through said oven and adjacent said ejecting mechanism, said ejecting mechanism being spaced away from said oven to form a low temperature zone, a carriage movable upon said track structure, a plurality of molds thereon, said molds being so positioned that when said plungers respectively are operative upon the composition cork within alternate molds, a charge of composition cork will be delivered to each mold adjoining that upon which a plunger is operative, and removable means closing the bottoms of said molds, whereby said molds may progressively have composition cork compacted therein, be subjected to an elevated temperature while passing through said oven, and to a cooling action while passing from said oven to said ejecting mechanism, and have the completely formed composition cork slabs successively ejected therefrom after leaving said low temperature zone.

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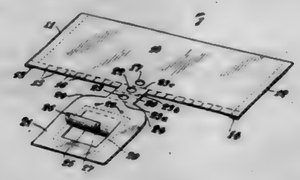
1,566,897. AUTOMOBILE HOOD COVER. FRANCIS A. MAHAN and CHARLES H. MCCARTHY, Waterbury, Conn. Filed Jan. 17, 1925. Serial No. 3,194. 3 Claims. (Cl. 257—132.)



3. In an automobile hood cover, a hood section adapted to lie against the outer surface of an engine hood, a radiator section adapted to lie in front of the radiator, a foldable neck member for joining said hood section to said radiator section, said hood section having a central aperture in its front portion to fit over the radiator filling inlet, said neck member having a pair of apertures adapted to fit about said radiator inlet, and adapted when said neck is folded to aline with the aperture in said hood portion, said cover being formed of a single piece of flat sheet material and bent into contact with the outer surfaces of said hood and radiator.

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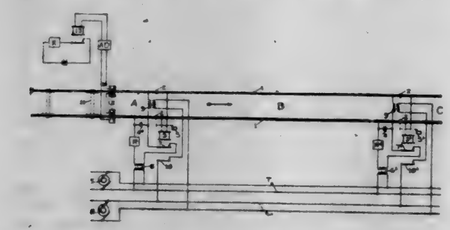
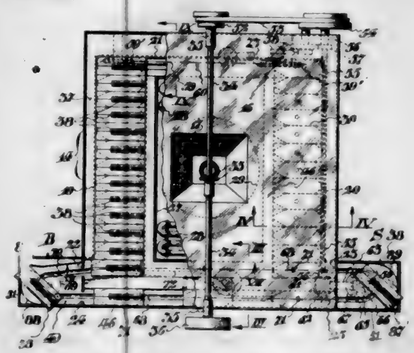
1,566,898. TRAIN CONTROL. WADE H. REICHARD, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Apr. 12, 1924. Serial No. 706,117. 9 Claims. (Cl. 246—63.)



6. A system of train control of the character described, comprising in combination with direct current track circuits and a floating charge system for the track batteries thereof, means for interrupting the charging of each track battery while the track of the block in advance is occupied.

1,566,899. AUTOMATIC DRIER FOR HOSIERY. HARRY H. WIGGLESWORTH, Philadelphia, Pa., assignor to the Philadelphia Drying Machinery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 17, 1924. Serial No. 713,907. 15 Claims. (Cl. 198—19.)



1. A drier for hosiery and the like comprising a drying corridor, a continuous horizontal trackway therefor, a series of detached form carriers traversable over the trackway, boosting means adapted to intimately advance said form carriers along opposed directional lines, and coordinated means operative to transfer consecutive carriers from one line to the other with provision for exterior exposure and partial turning at definite positions.

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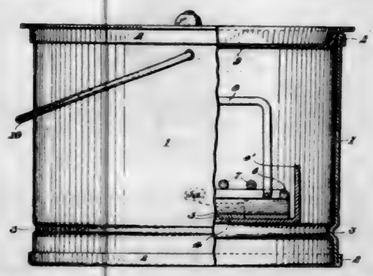
1,566,900. PORTABLE BAKING AND COOKING OVEN. CHARLES E. ADAMSON, Wabash, Ind., assignor of one-half to Philip L. Zorbaugh, Fort Wayne, Ind. Filed May 22, 1925. Serial No. 32,225. 4 Claims. (Cl. 126—275.)



1. In a device of the type described, an oven body open at its bottom and top, a plate removably supported in said oven body and partially closing the bore of the same, means carried by the plate and cooperating with the walls of the oven body to form heat flues at the unclosed parts of the bore of said body, a radiated heat deflector positioned on said plate to direct said heat toward the walls of the oven body, a cover for closing the top of said body, and a food rack adapted to rest upon the said deflector or the flue forming means.

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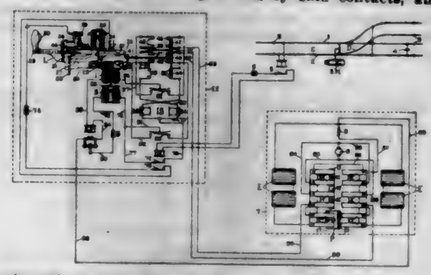
1,566,901. ELECTRIC INTERLOCKING SYSTEM. PAUL E. CARTER, Bronxville, N. Y., and ROY CONNELL, Westfield, N. J., assignors to General Railway Signal Company, Rochester, N. Y. Filed Aug. 16, 1923. Serial No. 657,715. 16 Claims. (Cl. 246—135.)

16. In an electric interlocking system, the combination with a movable lever, contacts closed during a limited range of movement of said lever near one extreme



position, locking means effective to hold mechanically said lever against movement from said position far enough to open said contacts, a power-operated device having a control circuit governed by said contacts, and



automatic means preventing operation of said device irrespective of the closure of said contacts unless the lever is moved far enough to permit said locking means to be effective.

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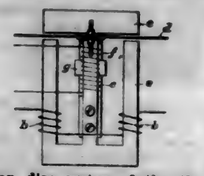
1,566,902. INDUCTION METER. ZALMANN CIFFRINOWITSCH, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed Oct. 16, 1922. Serial No. 594,752. 3 Claims. (Cl. 171—264.)



3. An induction disc meter of the three legged type having a potential coil on the middle leg and current coils on the outer legs, said legs being considerably longer than said coils and said potential coil being arranged nearer the meter disc than said current coils, a magnetic shunt for said middle leg, said parts being so proportioned and arranged that the effective current and voltage fluxes are in phase at unity power factor.

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1,566,903. CORING IMPLEMENT FOR CONCRETE BLOCKS. WILLIAM B. DURST, Gainesville, Fla. Filed June 15, 1925. Serial No. 37,287. 3 Claims. (Cl. 25—128.)

1. In a coring device for concrete blocks, an air supply conduit in the form of a pipe closed at one end and tapered at its opposite end, said pipe being provided with screw threads adjacent its end and inward of these threads with air escape ports, and a pair of tube retaining collars mounted on the threaded ends of said pipe, the peripheral edges of said collars being tapered and formed with anti-slipping grooves, and the opposed inner faces of the collars being formed with recesses, said collars being adapted to be associated with and disposed adjacent to said air ports.

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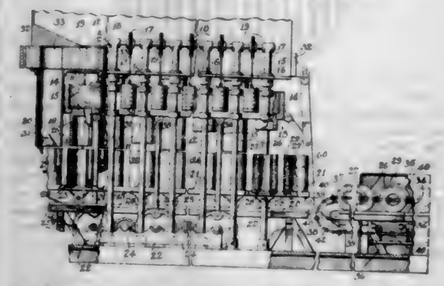
1,566,904. METHOD OF AND APPARATUS FOR MAKING COMPOSITION CORK SHEETS. CHARLES E. MCMANUS, New York, N. Y. Filed June 27, 1923. Serial No. 648,111. 11 Claims. (Cl. 18—48.)



2. An apparatus for making composition cork sheets embodying therein a packing unit including an open end cylindrical ram, means imparting reciprocatory movement thereto, a support for a mold having an annular mold space therein in operative relation to said ram, a baker, means whereby a portion of said baker is maintained at an elevated temperature and another portion thereof at a relatively lower temperature, means whereby a mold and its contents are conveyed through said baker so as to be successively subjected to an elevated temperature and to a relatively lower temperature, and an ejecting mechanism whereby the tube of composition cork is removed from the mold.

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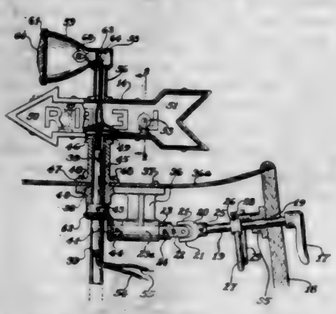
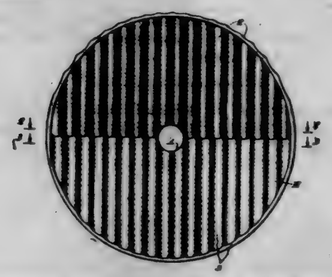
1,566,905. DIRECTION SIGNAL. NAPOLEON MAILLETTE, Waterbury, Conn. Filed Apr. 18, 1924. Serial No. 707,245. 2 Claims. (Cl. 116—47.)



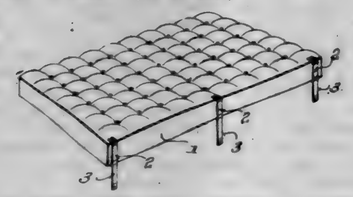
1. In a direction indicator for a motor vehicle, a signal member, means for operating said member comprising a horizontal shaft located under the vehicle hood, an inclined shaft connected with said horizontal shaft by a universal joint, a handle on the end of said inclined shaft located in position to be operated by the driver, a wire formed into a semi-circular resilient member, a depending rod on said inclined shaft, said wire being adapted to resiliently press against said rod, said wire having a central recess to hold the rod in central position, and a pair of stops at the end of said wire for limiting the extreme rotation of said rod.

1,566,906. REFLECTOR FOR HEADLIGHTS. CARL MATISSE and ALBERT MATISSE, New York, N. Y. Filed Apr. 8, 1925. Serial No. 21,658. 1 Claim. (Cl. 240—41.)



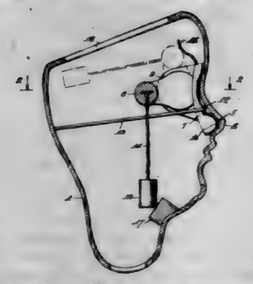
A reflector having a series of vertically disposed parallel transversely curved surfaces, the upper portion of the reflector having convex reflecting surfaces and the lower portion of the reflector having concave reflecting surfaces, said reflecting surfaces in the upper and lower portions of the reflector meet in a horizontal line extending through the axis of the reflector, said reflector composed of glass, and a mirrored surface on the back of the reflector.

1,566,907. MATTRESS HANDLE. JACOB R. MERTES, Milwaukee, Wis. Filed Apr. 27, 1925. Serial No. 26,087. 1 Claim. (Cl. 5—345.)



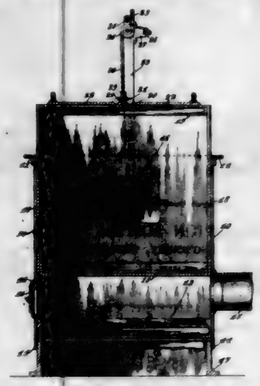
A strap-like handle for a mattress comprising an enclosing sheath, angle irons carried within said sheath and adapted for positioning adjacent the upper and lower corners of the mattress, said angle irons being apertured for the reception of securing means passed through said sheath, angle irons and mattress, a hook carried by one of said angle irons, said sheath having an extension projecting from adjacent the other angle iron, and a reenforcing plate positioned in the outer end of said extension, said extension and plate being apertured for the reception of said hook.

1,566,908. DOLL'S EYES. LESTER HUBERT MESSINGER, Jr., Bridgeport, Conn. Filed July 29, 1924. Serial No. 728,964. 1 Claim. (Cl. 46—40.)



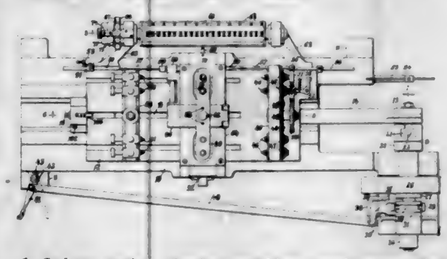
A mounting for doll's eyes, comprising a frame, rearwardly projecting bearings at the ends of the frame adapted to receive the side portions of a doll's eyes, a forwardly projecting section at the intermediate portion of the frame and adapted to project into the nose recess of the doll's head and fit the inner face of the head, upwardly and rearwardly projecting tongues on the frame adapted to limit the movement of the eyes in one direction, and a brace connecting the frame with the back of the doll's head.

1,566,909. COMBINATION COOKING AND HEATING STOVE. FRANCIS M. MOORE, Hannibal, Mo. Filed Feb. 13, 1925. Serial No. 8,932. 1 Claim. (Cl. 126—4.)



A combination cooking and heating stove, comprising an outer shell open at its upper end and formed with a lower fire chamber, an inner shell forming an oven, inserted through the open upper end of the outer shell, and snugly telescope in the latter for sliding movement, the top of the oven being provided with openings, hinged lids closing the openings and adapted to swing toward and away from each other, and means for raising and lowering the oven, one side of the oven being formed with an opening and closed on the descending movement of said oven within the outer shell.

1,566,910. ENGINE-CHASING MACHINE. LUCIFER J. MOSS, New York, N. Y. Filed May 3, 1924. Serial No. 710,862. 11 Claims. (Cl. 90—24.3.)

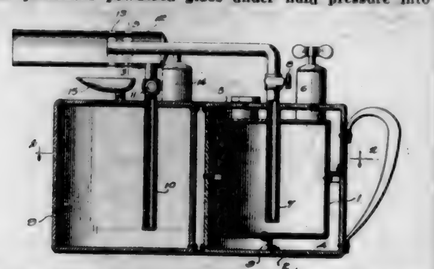


1. In an engine chasing machine, work supporting means mounted to reciprocate, a chasing tool mounted to bear upon the work, a master-mandrel for actuating the chasing tool, automatic means for displacing the work angularly, and adjustable manual means for displacing the work through a predetermined angle independent of the automatic means.

1,566,911. METHOD OF APPLYING PROTECTIVE COATINGS. CHARLES EDWIN NELSON, Haines City, Fla. Filed Dec. 29, 1923. Serial No. 683,463. 1 Claim. (Cl. 91—72.)

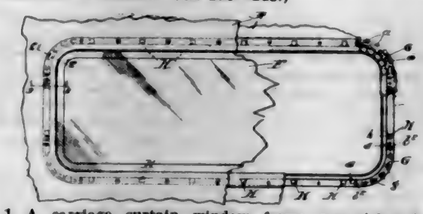
The herein described method of coating articles with glass having a high melting point, which consists in producing a blow flame, preheating powdered glass to a temperature slightly below its melting point, feeding the preheated powdered glass under fluid pressure into





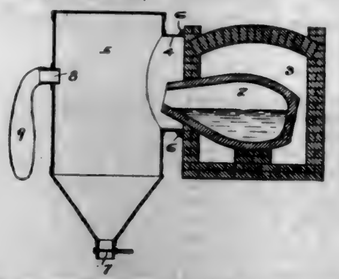
the blow flame and in the direction of the travel thereof to form a stream of molten glass, and directing the stream of molten glass upon an article to form a coating thereon.

1,566,912. CARRIAGE-CURTAIN WINDOW FRAME. LAWRENCE C. NELSON, Chicago, Ill., assignor to Stewart Manufacturing Corporation, Chicago, Ill., a Corporation of Delaware. Filed May 8, 1922. Serial No. 559,148. 4 Claims. (Cl. 296—145.)



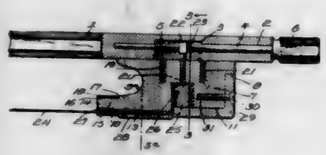
1. A carriage curtain window frame comprising in combination with two frame members between which a glass may be clamped, curtain-engaging clips securely lodged in one frame member in the face thereof at which said frame member is seated against the other member for engaging the curtain therebetween, said clips being adapted for engaging the surface of the curtain fabric at a marginal area thereof adjacent to an edge of the fabric past which said clips project, one of the two engaged elements, viz, the clip and the fabric, being folded about an edge of the other for securing the engagement.

1,566,913. APPARATUS FOR MANUFACTURING METAL DUST. MINTON H. NEWELL, San Francisco, Calif., assignor, by mesne assignments, to The Alloys Company, San Francisco, Calif., a Corporation of California. Filed Aug. 29, 1916. Serial No. 117,430. 9 Claims. (Cl. 266—19.)



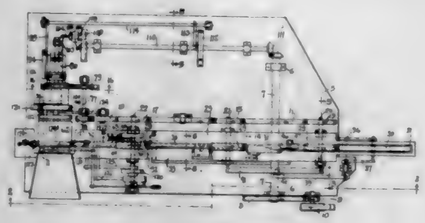
1. In an apparatus for manufacturing metal dust, a condensing chamber provided with an aperture and means for retarding the inflow of air through said aperture, said chamber being otherwise substantially air tight.

1,566,914. VIOLIN BOW. OTTO A. NEWMAN, Edwardsport, Ind. Filed Oct. 12, 1922, Serial No. 594,051. Renewed May 29, 1925. 4 Claims. (Cl. 84—282.)



4. A violin bow frog comprising a body portion formed with a series of vertically disposed spaced threaded sockets, adjustable means carried by the staff of the bow and engaging in any one of said sockets for adjustably connecting the body portion of the staff, said body portion provided at its bottom with a groove and further provided intermediate its ends with a vertically disposed pocket for communicating with said groove for the reception of the rear terminal portion of the bow hair, a cap mounted on said body portion for connecting the bow hair therewith, a wedge extending into said cap for clamping the bow hair therete, a holding member positioned in said groove for maintaining the bow hair therein, and a clamping element detachably seated in said groove and in the rear end of the body portion and having one end thereof clamping said holding member in the groove and the bow hair in said pocket, and said body portion and said clamping element having associated means to provide a dove-tail connection therebetween.

1,566,915. MACHINE FOR MAKING PAPER-BOX NECKS. CHARLES H. OHLSSON, New York, N. Y., assignor to Hefter & Company, a Firm composed of David Hefter and Ray Hefter, New York, N. Y. Filed Aug. 19, 1924. Serial No. 732,911. 21 Claims. (Cl. 93—40.)

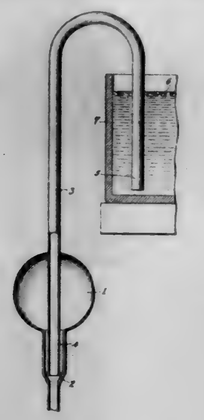


1. A paper-box neck making machine comprising a blank holder, means for feeding the blanks, means for partially covering said blanks with a binder, a traveling knife member for severing the binder to separate the blanks and means for forming said blanks into necks for subsequent insertion into boxes.

1,566,916. SIPHON. TANEZO OKIHARA, Honolulu, Territory of Hawaii. Filed July 18, 1924. Serial No. 726,820. 1 Claim. (Cl. 137—20.)

A siphon device, which comprises a rubber bulb, a discharge tube of rubber connected thereto, an admission tube extending into the bulb and formed integral there-

with, one end of the admission tube projecting into the discharge tube, the other end of the admission tube adapted to be connected to a body of liquid to be siphoned



whereby contraction of the bulb will force the air therein past the end of the second tube to cause a suction action thereon.

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1,566,917. FLEXIBLE CEMENT COMPOSITION. OLAF OLESEN, New York, N. Y. Filed Mar. 18, 1924. Serial No. 700,168. 2 Claims. (Cl. 106—24.)

1. A flexible cement, which comprises eight parts of sand, four parts of cement, four parts of a calcium soap, and one part of zinc soap.

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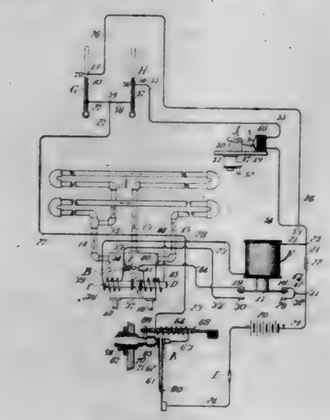
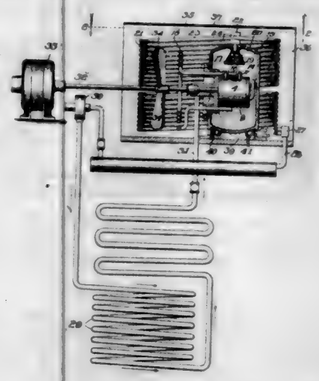
1,566,918. HEATING SYSTEM. PAUL B. PARKS, Oak Park, and JOHN VAN VULPEN, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed Apr. 20, 1923. Serial No. 633,405. Renewed June 22, 1925. 10 Claims. (Cl. 236—36.)



8. In a heating system, the combination of a radiator, a valve to control the circulation of heating medium through the radiator, an electric motor for operating said valve, and heat sensitive means in the motor circuit actuated when heated to break the circuit through the motor.

1,566,919. REFRIGERATING APPARATUS. HERBERT A. PARKYN, Chicago, Ill., assignor to Leonard Pump & Motor Company, Chicago, Ill., a Corporation of Maine. Filed July 16, 1918. Serial No. 245,196. 11 Claims. (Cl. 62—115.)



2. In a refrigerating apparatus, the combination of a rotary pump for compressing the gasified refrigerant, a shaft connected therewith, a motor directly connected with said shaft for driving it, a member into which the refrigerant compressed by the pump passes, a condenser for the compressed gas, a housing containing an inlet and an outlet for air and in which said condenser and member are located, and a fan on said shaft for causing air to pass through said housing.

9. In a refrigerating apparatus, the combination of a compressor for compressing the gasified refrigerant, a receptacle for oil and in which receptacle said compressor is located and into which said compressor discharges, means for operating said compressor, a condenser for said compressor, a conduit opening into said receptacle and into the interior of said compressor for leading oil into said compressor, and means for circulating cooling currents of air against said condenser receptacle and conduit.

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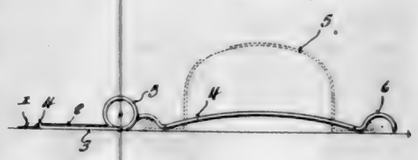
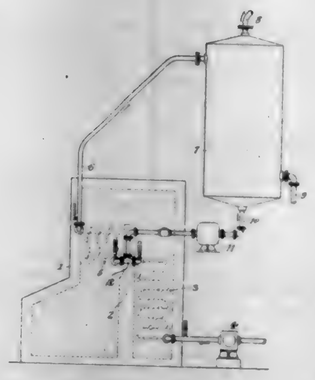
1,566,920. HAT HOLDER. RICHARD PIE, Racine, Wis. Filed May 3, 1923. Serial No. 636,363. 1 Claim. (Cl. 45—13.)



A hat holder comprising a wire frame having a crown receiving ring-like body portion, said body portion being upwardly arched between its front and rear ends and having an outwardly projecting curved portion forming a manipulating hook and having a pair of spaced rearwardly directed arms joined to the body portion by loops, said manipulating hook arching upwardly to accommodate a hat having a beaded brim and extending beyond such brim and a retaining plate having grooves pressed upwardly from its under side adapted to receive and clamp said arms when said plate is attached to a support, said plate having apertures at the ends of the grooves, and said arms having upturned terminal portions adapted to fit within said apertures.



1,566,921. OIL STILL. JOHN PRIMROSE, New York, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed June 19, 1920. Serial No. 390,088. 4 Claims. (Cl. 196—108.)



1. The combination with an oil still having banks or groups of tubes exposed to the hot gases in different parts of their course, of means for taking off, returning to and causing to reflow through the bank or group of hottest tubes only, oil that has already passed through the still, for the purpose set forth.

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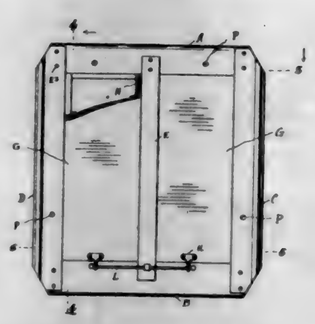
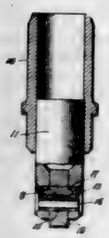
1,566,922. SHIELD FOR MOTOR-CAR RADIATORS. MILO D. RATHBUN, Grand Rapids, Mich., assignor to Thomas E. Wier, Muncie, Ind. Filed Jan. 3, 1922. Serial No. 526,822. Renewed May 28, 1925. 3 Claims. (Cl. 257—132.)



2. In a shield for automobile radiators, a frame comprising top and bottom plates having interior opposed inturned flanges, side plates having interior opposed inturned flanges, a central plate having an inturned flange on both sides, doors to fit the openings formed by the said plates, hinge bars through said doors and journaled in said flanges, a bracket having an eyelet secured on the end of each door, a connecting rod having its ends disposed loosely in said eyelets, an actuating bar journaled slidingly at a point between the doors and having a head with a transverse bore to engage said connecting bar loosely, and a spring to urge the said actuating bar to retracted position.

1,566,923. BEARING. GEORGE W. ROBERTS, Vicksburg, Miss. Filed May 22, 1925. Serial No. 32,100. 2 Claims. (Cl. 308—63.)



2. A wear compensating bearing comprising a bearing member having a bearing face and an aperture in said bearing face at one side of the bearing member, a second bearing member having a bearing face supported against the bearing face of the first bearing member and covering the aperture therein, said first bearing member having an opening extending therethrough from an outer exposed side to said aperture, and a filler of soft bearing metal packed in the slot and aperture and exposed at its inner end to the bearing faces of both of the bearing members and exposed at its outer end through said outer side of the first bearing member, said soft filler metal adapted to receive impact against its outer end to advance and spread the inner end of the soft filler metal between said bearing faces to take up wear therebetween.

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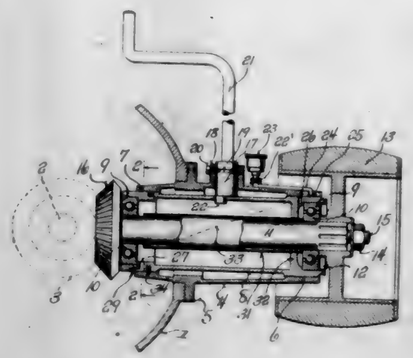
1,566,924. PULLEY ATTACHMENT FOR TRACTORS. RICHARD W. ROBERTSON, Plymouth, Wis., assignor to Plymouth Foundry & Machine Company, Plymouth, Wis., a Corporation of Wisconsin. Filed July 6, 1925. Serial No. 41,826. 2 Claims. (Cl. 308—187.)



1. The combination of a tractor provided with a casing, a drive shaft and a bevel gear carried by said drive shaft, and an attachment comprising a stationary sleeve rigidly carried by said casing, a movable sleeve slidably mounted within said stationary sleeve, means for sliding said movable sleeve inwardly or outwardly, ball bearings carried adjacent the outer end of said movable sleeve, a pulley shaft mounted within said ball bearings and having a bevel gear at its inner end and power transmitting means at its outer end, means for oiling the outer of

said ball bearings when said movable sleeve is slid outwardly, said movable sleeve having means for returning oil to said casing in a greater volume when said movable sleeve is in its innermost position than when said movable sleeve is in its outermost position.

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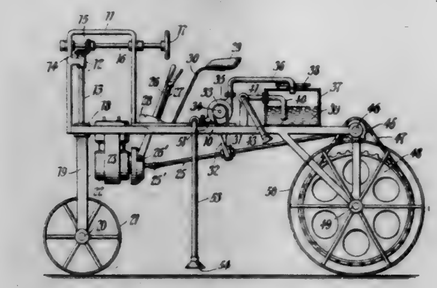
**1,566,925. INSECT EXTERMINATOR.** RICHARD ROKOHL, Orange Grove, Tex. Filed Dec. 11, 1924. Serial No. 755,126. 1 Claim. (Cl. 43—140.)

An insect exterminator and catcher comprising a pump, a tank partly filled with an insecticide, a pipe discharging into said tank from the pump, a spray pipe communicating with the tank and directed towards the earth, a plurality of spray nozzles on said spray pipe arranged



in spaced groups to spray a plurality of plant rows simultaneously, and a pair of inlets to said pump to suck insects into said tank.

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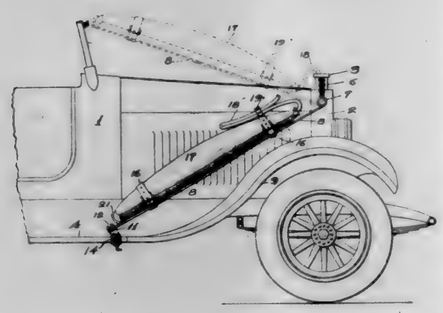
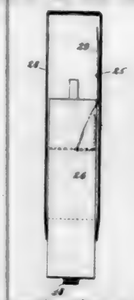
**1,566,926. WATER CARRIER.** JOHN A. ROSS, Reno, Nev. Filed Oct. 20, 1924. Serial No. 744,657. 10 Claims. (Cl. 224—29.)



1. A water carrier for motor vehicles comprising a yoke arranged to fit over the radiator opening of said vehicle and to be held in position by the cap of said radiator, said yoke having a lateral extension extending beyond a side of said radiator; a frame pivotally mounted at one end thereof upon said extension and having its opposite end lower than said pivotal end; and a water container mounted upon said frame and having a suitable dispensing outlet adjacent the upper end of the frame whereby water may be dispensed from said container into the radiator.

**1,566,927. DRY BATTERY.** DAVID ROSEN, New York, N. Y.; Bessie Rosen administratrix of said David Rosen, deceased. Filed Mar. 25, 1924. Serial No. 701,822. 9 Claims. (Cl. 136—113.)



1. In a battery construction, a cell including a plurality of normally inactive elements, a container for said cell, and means actuated by the withdrawal of said cell from said container for rendering said elements active.

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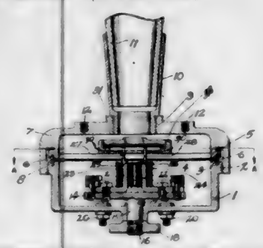
**1,566,928. LOUD SPEAKER.** MAURICE C. RYPINSKI, Yonkers, N. Y., assignor, by mesne assignments, to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Mar. 4, 1925. Serial No. 13,008. 3 Claims. (Cl. 179—116.)



1. An electromagnetic sound reproducer comprising in combination a main casing forming a chamber, a diaphragm closing one end of said chamber, an electromagnetic operating mechanism carried within said chamber and arranged to actuate said diaphragm, a supplemental chamber supported from said main casing, a diaphragm carried within said supplemental chamber, and means whereby said electromagnetic operating mechanism operates each of said diaphragms for reproducing sound over a broad range of tone frequencies.

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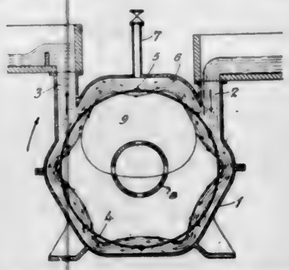
**1,566,929. SCREEN FOR WOOD PULP, ETC.** SVERRE THONE, Skolen, near Christiania, Norway. Filed Dec. 12, 1924. Serial No. 755,406. 4 Claims. (Cl. 99—36.)



1. Screen for wood pulp, etc., comprising a closed casing, an intake for unscreened pulp therein, a rotating screening drum mounted inside said closed casing, an outlet for screened pulp from the inside of said rotating drum, the inner surface of said closed casing having such a form that the radial distance between said inside surface and the screening surface varies along the circumference of the casing.



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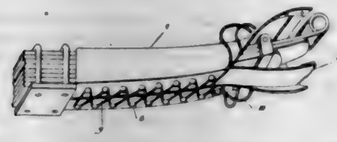
**1,566,930. COVER FOR LEAF SPRINGS.** DONALD H. THURBER, Watertown, Mass., assignor to Melvin J. Bean, Natick, Mass. Filed Nov. 28, 1923. Serial No. 677,409. 2 Claims. (Cl. 267—37.)



1. A device of the class described comprising a piece of flexible material constructed to be wrapped about a spring intermediate its ends, said piece having its edges where the spring emerges therefrom turned inwardly, and a strip of material folded over said inwardly turned edges and made fast thereto to space the piece from said spring to form a pocket for lubricant surrounding said spring.

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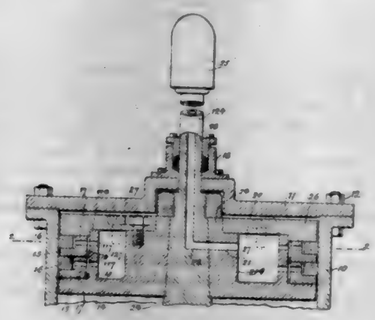
**1,566,931. PISTON.** ARTHUR TICKLE, Brooklyn, N. Y. Filed July 3, 1925. Serial No. 41,366. 3 Claims. (Cl. 74—108.)



1. An assemblage of the class described, including a cylinder, a piston operating in said cylinder, and a piston rod carrying the piston, said piston rod having a member extending through the cylinder to the exterior thereof, said piston including a central boss receiving the piston rod, and an annular flange co-operating with said boss to define a steam chamber, bull rings disposed outwardly of said flange, and piston rings mounted in the bull rings, annular members spacing the bull rings from the flange, and providing a restricted annular chamber between the bull rings and the flange, said bull rings and flange having registering ports therein for conducting steam from behind the piston rings to the chamber defined by the boss and flange, and passageways for conducting said steam from the chamber through the piston rod extension to the outer air.

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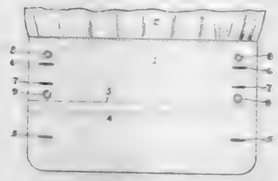
**1,566,932. ADJUSTABLE CUFF.** MARGARET TINGLE, Cleveland, Ohio. Filed Mar. 24, 1924. Serial No. 701,376. 5 Claims. (Cl. 2—128.)

1. A foldable cuff attached at its upper edge to a sleeve, a pair of button-holes positioned adjacent each side edge of said cuff, a pair of eyelets provided adjacent the upper button-holes and in spaced relation



thereto, said button-holes and eyelets, respectively, being adapted to be placed in registry when said cuff is folded into position for wear.

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**1,566,933. SADIRON HOLDER.** HENRIETTA TOEPFER, New York, N. Y. Filed Oct. 23, 1923. Serial No. 670,341. 1 Claim. (Cl. 68—27.)

In a sadiron holder, the combination with a normally flat padded disk of heat insulating material constituting a base member adapted to surround and grip the handle of the iron, a central upwardly projecting thickened body member expanded at its base laterally and secured at its lower edges to said disk, said thickened body member extending forwardly and rearwardly and upwardly beyond the periphery of said disk, and finger protecting pockets connected to the side edges of said disk and overlapping side portions of said body member.

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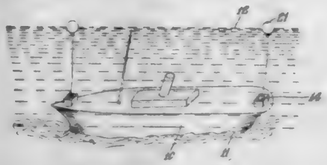
**1,566,934. SALVAGE-INDICATING BUOY.** HELEN TOMIC, South Bethlehem, Pa. Filed May 9, 1925. Serial No. 28,994. 3 Claims. (Cl. 9—9.)



1. An indicating buoy unit comprising a housing having straps mounted thereon, the straps being formed into an annular seat, a spherical buoy operated on said seat, a cylinder extending upwardly into the buoy and open at its lower end, means on said buoy for releasably locking the latter in place on the housing, and additional means movable in said cylinder for releasing said locking means when engaged by a rising level of water.

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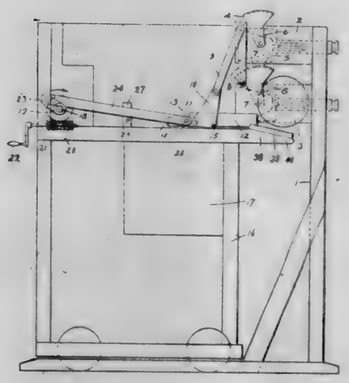
**1,566,935. ELECTRIC SWITCH.** HENRY TRENCHAM, Ruislip, and HERBERT CHRISTOPHER HEATH, Wembley, England, assignors to General Electric Company, a Corporation of New York. Filed Oct. 22, 1923. Serial No. 670,146. 8 Claims. (Cl. 200—50.)

1. In an electric switch gear of the truck type, co-operating contacts carried by the stationary and truck

portions thereof, a movable shutter adapted in one position to cover the contact carried by said stationary portion, and means actuated by the truck in its movement away from the stationary portion for moving the shutter to said contact covering position.



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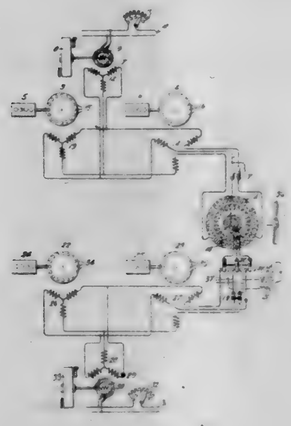
1,566,936. ELECTRIC POWER SYSTEM. PANFILO TROMBETTA, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 19, 1924. Serial No. 700,436. 3 Claims. (Cl. 290—4.)



1. An electric power system comprising a load device and a machine aggregate for supplying current to said load device, said aggregate including a plurality of series connected induction generators, a plurality of independent internal combustion engines for driving said generators, and means for controlling the frequency of the current delivered by said generators.

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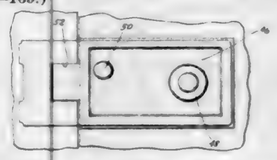
1,566,937. LOCK. FREDERICK A. TURNBULL, Brooklyn, N. Y., assignor to Edward Biersack, New York, N. Y. Filed Dec. 11, 1924. Serial No. 755,123. 13 Claims. (Cl. 292—169.)



1. In a lock, a main body, a sealing bolt rigid thereon, a keeper and movable means cooperating with the sealing bolt for preventing transverse movement of the sealing bolt away from the keeper when the latter and the sealing bolt are in locked interengagement.

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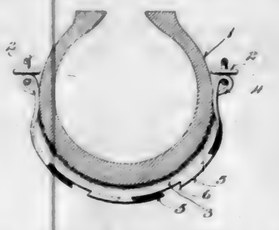
1,566,938. ANTISKID DEVICE. MELVIN E. WALTY, Lone Rock, and FRANK O. WALTY, Avoca, Wis. Filed Mar. 16, 1925. Serial No. 15,891. 1 Claim. (Cl. 152—14.)



An anti-skid device for a tire comprising a pair of side chains forming continuous circles on opposite sides of the tire, a plurality of rigid members having a U-shaped cross section and conforming to said tire, said members having malleable hooks folded into removable interlocking engagement with said chains, said U-shaped members having opposed flanges extending transversely of said tire and having ears, with the ears of one flange staggered with respect to the ears of the other flange.

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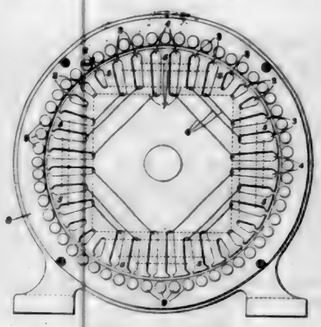
1,566,939. DYNAMO-ELECTRIC MACHINE. ALFRED F. WELCH, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Nov. 13, 1923. Serial No. 674,577. 12 Claims. (Cl. 172—278.)



1. In a dynamo electric machine, a magnetic member having slots therein, the area of certain of said slots being different from the area of other of said slots, and a winding non-uniformly distributed in said slots and substantially filling said slots, the width of the teeth between said slots being substantially equal and uniform.



1,566,940. SELF-RETAINING ANTIFRICTION INSERT FOR LEAF SPRINGS. JOHN C. WHITE, Bowling Green, Ohio. Filed Jan. 27, 1925. Serial No. 5,091. 5 Claims. (Cl. 267—49.)

1. An anti-friction insert for leaf springs comprising a flat strip provided with anti-friction means and insertable between adjacent spring leaves, one end of said strip being bent to form a hook clampably engageable with the end of the overlying spring leaf.

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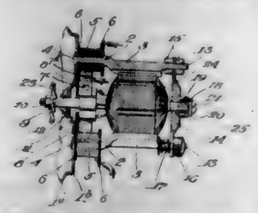
1,566,941. ELECTRIC MOTOR FOR WARNING SIGNALS. FREDERIK G. WHITTINGTON, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Sept. 13, 1920. Serial No. 409,792. 8 Claims. (Cl. 177—7.)



1. In combination with a signal horn comprising a vibratory member, a shell in which said vibratory member is mounted, said shell having its outer wall at one side of said member provided with a sunft-bearing opposite the vibratory member; an electric motor having its rotating armature shaft journaled in said bearing and field coil cores mounted directly on the outer side of said shell wall having said bearing.

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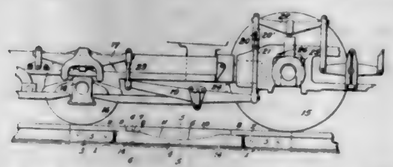
1,566,942. RAIL. WILLIAM A. WILLIS, Parsons, Kans. Filed May 2, 1924. Serial No. 710,518. 8 Claims. (104—51.)



1. A rail of the character described having a longitudinally curved recess formed intermediate its ends and a removable section adapted to be received in said recess.

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1,566,943. FABRIC IMPERVIOUS TO PETROLEUM HYDROCARBON VAPORS. ROBERT E. WILSON, Chicago, Ill., and EUGENE P. BROWN, Whiting, Ind., assignors to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed June 27, 1923. Serial No. 648,161. 7 Claims. (Cl. 91—68.)

1. The method of preparing a fabric impervious to the vapors of petroleum oil products which consists in applying to a textile fabric a continuous coating of a mixture of glue and glycerine and dusting a finely divided inert solid thereupon.

4. A fabric impervious to petroleum hydrocarbon vapors consisting of a textile fabric, a continuous coating of glue and glycerine upon said fabric and a coating of adherent finely divided solid matter thereupon.

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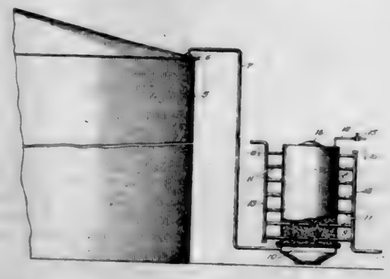
1,566,944. ART OF PREVENTING LOSS BY EVAPORATION FROM STORAGE TANKS. ROBERT E. WILSON, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Original application filed June 22, 1923, Serial No. 647,114. Now Patent No. 1,489,725, dated Apr. 8, 1924. Divided and this application filed Jan. 30, 1924. Serial No. 689,472. 2 Claims. (Cl. 183—1.)



1. The method of preventing loss by evaporation from a vented storage tank which comprises providing a sole outlet from the vapor space of such a tank to and through a body of silica gel, and attemperating the silica gel to a temperature at least as high during suction into the tank as that prevailing during expiration from the tank.

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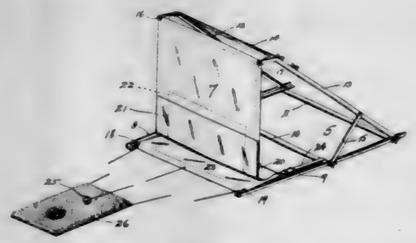
1,566,945. GOLF APPARATUS. ERASTUS E. WINKLEY, Lynn, Mass. Filed Nov. 8, 1923. Serial No. 673,490. 11 Claims. (Cl. 273—35.)



7. A hanging stop for golf practice of flexible sheet material having a smooth, vertical target portion, a transverse fold at the lower edge of said portion, and its extreme lower edge secured in substantially the plane of the floor.

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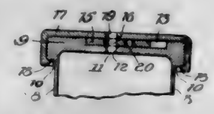
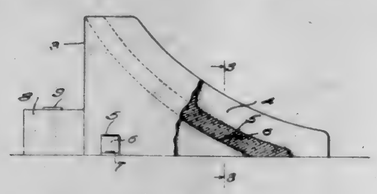
1,566,946. RECEPTACLE CLOSURE. ANDREW S. WITWER, Joliet, Ill. Filed July 23, 1925. Serial No. 45,537. 6 Claims. (Cl. 221—60.)



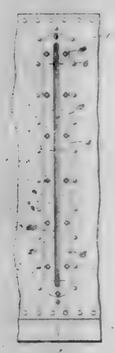
1. A closure device for a receptacle, comprising an end piece on the receptacle containing an aperture, a slide on said end piece and containing an aperture positioned to register with the aperture in said end piece when said slide is in one position, an apertured rotary member on said end piece, and means for imparting rectilinear movement to said slide by rotating said member.

1,566,947. SHIPPING BLOCK. ARTHUR E. WOODWORTH, Kenosha, Wis., assignor of one-half to P. J. Moohan, Kenosha, Wis. Filed May 10, 1923. Serial No. 638,130. 1 Claim. (Cl. 188—32.)



A block of the class described having vertically extending end and side walls and a curved face, the latter having therein a groove to receive a portion of a wheel, a retaining strip secured to a suitable base and abutting the end wall of the block to prevent longitudinal movement, horizontal passages extending through the block adjacent its base, and said passages having passing therethrough metallic strips the end portions of which are bent down at right angles against the side walls of the block and then outwardly to form means for securing the block to a base.

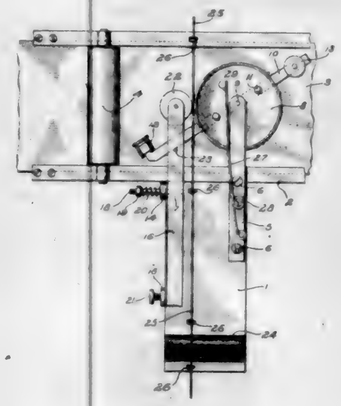
1,566,948. TANK GAUGE. ROBERT A. WYATT, Parkersburg, W. Va. Filed Apr. 13, 1925. Serial No. 22,794. 4 Claims. (Cl. 73—54.)



2. The combination with a tank having a substantially vertical slot in the wall thereof extending close to the bottom of the tank, of a gauge including a body secured in the tank and having an elongated recess exposed within the slot, there being an elongated slot in the inner wall of the recess, a glass plate mounted in the recess and having a prismatic inner surface, and means seated in the slot in the wall and secured to the body for retaining the glass in the recess.

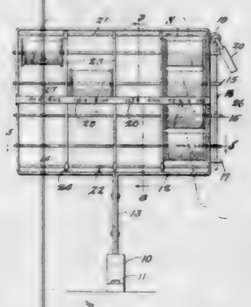
1,566,949. EVENNESS TESTER. HOLMES STOUT WYCKOFF, Little Falls, N. J. Filed Oct. 31, 1924. Serial No. 747,074. 2 Claims. (Cl. 33—148.)

1. An apparatus of the character described, comprising a support, a bar fixed to the support, an eccentric roller carried by said bar, a pair of brackets fixed to the support, a second bar, a bolt fixed to the intermediate portion of the second bar and projecting through one of the brackets, a nut on the bolt, a spring on the bolt interposed between the nut and the bracket, an adjusting screw located in the other bracket and engaging the second mentioned bar, a member on the second mentioned bar adapted to be adjusted relative to the periphery of the eccentric roller, and means for guiding a continuously



moving thread between said member and the periphery of the eccentrically mounted roller whereby when an enlargement or thickened portion of the thread engages the eccentric roller it will cause the latter to turn and indicate an unevenness in the thread.

1,566,950. SPOOL HOLDER. THOMAS YUSHKA, Baltimore, Md., assignor of one-half to Isabella Yushka, Baltimore, Md. Filed Aug. 1, 1925. Serial No. 47,600. 7 Claims. (Cl. 242—139.)



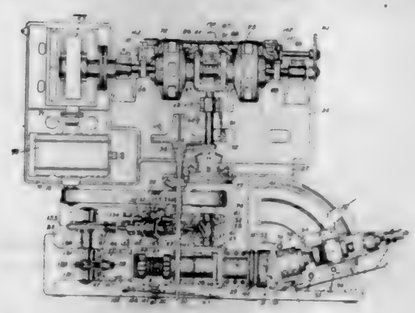
1. In a spool holder, a frame, spool supporting rods extending across said frame and removably supported therein, each of said rods having an eye at one end, a locking bar for insertion through said eyes, and means for securing said locking bar removably to said frame.

1,566,951. METHOD OF FORMING TEETH ON GEARS. HAROLD N. ANDERSON, Cleveland, Ohio. Filed June 25, 1923. Serial No. 647,596. 13 Claims. (Cl. 80—16.)

1. The method of forming teeth on gears, which comprises rolling a toothed die against a heated gear blank,



repeatedly reversing the direction of rotation but rotating them farther in one direction than in the other, so



that at each reversal a different part of the die and of the blank are in contact, and concurrently pressing the die teeth into the blank.

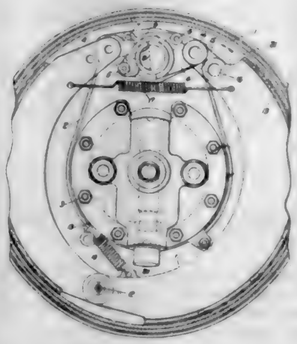
1,566,952. COLLAR FASTENER. JOHN BECKER, Warren, Idaho. Filed Dec. 10, 1924. Serial No. 755,091. 5 Claims. (Cl. 24—97.)

1. A fastener for the purpose indicated comprising a base plate provided with an intermediately positioned post, an intermediate plate pivotally connected at one end to the base plate and having an intermediate clearance opening for said post, and a latch plate pivotally connected at the opposite end of the intermediate plate and provided with spring jaws engaging the post when the plates are disposed in parallelism.

1,566,953. PIPE COUPLER. JOHN BECKER, Warren, Idaho. Filed Feb. 13, 1925. Serial No. 8,972. 2 Claims. (Cl. 285—186.)

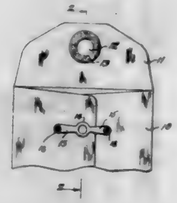
1. A pipe coupling consisting of diametrical contractible sleeve, a clamp member having interlocking engagement with the sleeve and adapted to contract the latter upon relative longitudinal movement of the two, and a key member insertable between the clamp member and the sleeve and having transverse ribs engaging transverse grooves formed in the sleeve.

1,566,954. BRAKING MECHANISM. VINCENT BENDIX, Chicago, Ill., and ADIEL Y. DODGE, South Bend, Ind., assignors to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed May 15, 1924. Serial No. 713,429. 3 Claims. (Cl. 188—78.)



1. A brake comprising, in combination, a drum, a shoe pivotally anchored at one end within the drum in a manner permitting the anchored end to move radially against the drum, an unanchored shoe, a connection operated by the unanchored shoe to force the anchored shoe against the drum, and means to force the unanchored shoe against the drum.

1,566,955. ENVELOPE FASTENER. FRANK W. CURNAN, Derby, Conn. Filed Aug. 15, 1923. Serial No. 657,638. 3 Claims. (Cl. 229—78.)

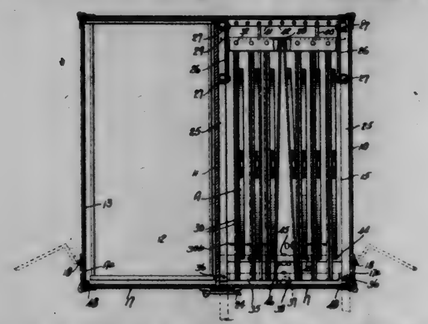


1. A fastener of the character described stamped from sheet metal stock and having a central or body portion, means for securing said central or body portion to an envelope, one or more wings integral with said body portion and adapted to be bent to and from the plane thereof, said wing or wings being substantially plain and flat to nearly the outer end or ends thereof and provided with a bump forming a raised portion adjacent their free ends on the side of the burr or sharp edge formed incident to the stamping or cutting operation to prevent injury to the fingers of the operator by said bur or sharp edge.

1,566,956. WARDROBE TRUNK. ALBERT L. DUFF and JAMES WM. MATHESON, Brooklyn, N. Y.; said Duff assignor to said Matheson. Filed Jan. 10, 1922. Serial No. 528,252. 7 Claims. (Cl. 211—16.)

1. In a wardrobe trunk, garment-supporting means including a backboard approximately parallel with the front and back of the trunk, and movable therein toward or from the front, supporting arms mounted on said

backboard to move bodily therewith and extending forward therefrom to be projected beyond the front of the trunk in the forward position of the backboard, and



means adapted to be positioned across the garment-hanging space at the front of the trunk to constitute a support for the forward ends of said supporting arms when the trunk is closed.

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1,566,957. PAINT. HARRY J. DUFFEY, Middleburg, Va. Filed July 3, 1924. Serial No. 724,101. 2 Claims. (Cl. 134—39.)

1. A paint comprising a suitable filler, and waste used lubricating oil such as obtained from engine crank cases.

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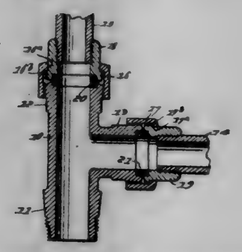
1,566,958. COUPLING FOR BOILER CONNECTIONS. BENJAMIN F. GILL and CHARLES A. REED, Tulsa, Okla.; said Gill assignor of his right to T. E. Roderick, Tulsa, Okla. Filed Sept. 6, 1921. Serial No. 498,622. 1 Claim. (Cl. 285—120.)



A coupling including a fitting, a pipe connected thereto, said coupling comprising a thimble threaded to one end of the pipe with a flanged end adjacent the end of the fitting, the adjacent end portions of the fitting and the thimble having internal concentric annular seats, a resilient gasket under compression engaging both of said annular seats and overlapping the junction of the fitting and the thimble, the adjacent edges of the fitting and the thimble being beveled off divergently from their internal walls, whereby the connected pipe may fulcrum yieldably at a point on its internal wall, when the pipe is connected slightly out of alignment with the fitting, still maintaining a compression seal and preventing leakage at said junction diametrically opposite said fulcrum, and a union nut coupling the adjacent ends of the fitting and the thimble.

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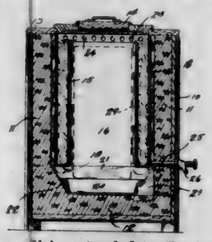
1,566,959. ICE-CREAM-STORAGE CABINET. FRANK M. GRAHAM, Ottumwa, Iowa. Filed Apr. 27, 1925. Serial No. 26,061. 5 Claims. (Cl. 62—87.)

1. In an ice cream storage cabinet, an outer cabinet, a container for refrigerant therein comprising a narrow pan extending entirely around the interior of the cabinet, spaced from the walls and the bottom thereof, the inner wall of the pan terminating short of the top of the cabinet



while the outer wall is extended to the top of the cabinet and provided at its upper part with holes to allow air circulation across the top of the pan.

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1,566,960. CHECKROW-WIRE RELEASE FOR CORN PLANTERS. WILLIAM H. GROVER, Burt, Iowa. Filed Sept. 4, 1924. Serial No. 735,784. 1 Claim. (Cl. 111—48.)

An automatic check row wire release for corn planters, comprising in combination with a control lever for the runners of the corn planter and a check row wire mechanism, a transverse shaft rotatably mounted in bearings on the frame of said planter, an arm on said shaft, a link connection between said arm and said control lever, a spring interposed between the lever and said link and forming a part of said link connection, a link connection between said shaft and the check row wire mechanism whereby movement of the lever will impart movement to the check row wire mechanism, and a second spring secured to said arm for normally retaining said shaft and said check row mechanism in a predetermined position.

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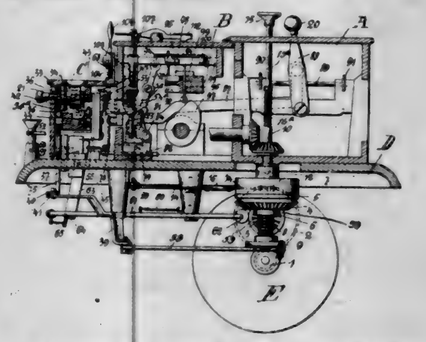
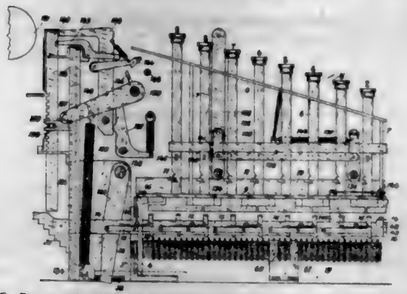
1,566,961. AUTOMATIC CALCULATING MACHINE. CHRISTEL HAMANN, Mehlis, Germany. Filed Feb. 15, 1915, Serial No. 293,339. Renewed Apr. 28, 1919. 29 Claims. (Cl. 235—62.)



1. In a computing machine having a travelling number table, a driving shaft, a power source, a coupling between said shaft and said power source, a pawl on said number table, the combination of a slide with abutments in the path of the pawl, and a connection between said slide and said coupling whereby said coupling is engaged on the striking of the pawl against one of said abutments.



1,566,962. CALCULATING MACHINE. CHRISTEL HAMANN, Neubabelsberg, Germany, assignor to Mercedes Büromaschinen- und Waffenwerke, Benshausen I/Thur, Post Mehlis, Germany. Filed June 1, 1923. Serial No. 642,770. 20 Claims. (Cl. 235—60.)



1. In a calculating machine of the type described, multiplication elements newly arranged in accordance with the products of the multiplication table at each setting of the multiplicator, and members selected at the setting of a multiplicand and adapted for movement in dependence upon the arrangement of said multiplication elements.

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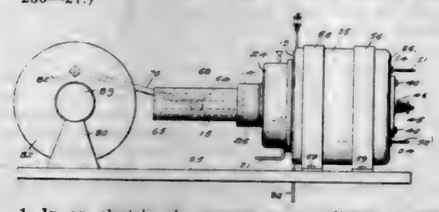
1,566,963. AIR COMPRESSOR. GALEN C. HARGROVE, Paducah, Ky., assignor of one-half to Charles E. Riglesberger, Paducah, Ky. Filed Dec. 11, 1922. Serial No. 606,325. Renewed Sept. 21, 1925. 6 Claims. (Cl. 230—27.)



1. In an electric air compressor, a cylinder, a field winding therefor, a piston reciprocable within said cylinder, a fly wheel, connecting rods between said fly wheel and said piston, a circuit maker and breaker on said fly wheel and electrical conductors connecting said field winding with said circuit maker and breaker.

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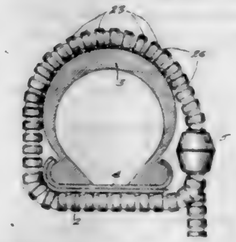
1,566,964. FOLDABLE CONTAINER. HUBERT J. HIGGINS, Warwick, R. I. Filed May 5, 1924. Serial No. 711,017. 9 Claims. (Cl. 229—22.)

1. In a cross knob milling machine for instrument a back, a bottom, converging sides inclined relative to the bottom, and a member upon the front overlapping one side and the back and having a binding flap entirely concealed within the container.

1,566,965. TIRE-LOCK CABLE. COLVIN L. JOHNSON, Chicago, Ill., assignor to Johnson Automobile Lock Co., a Corporation of Illinois. Filed June 27, 1921. Serial No. 480,896. 1 Claim. (Cl. 70—90.)



An armored tire lock device comprising a cable, a head on one end thereof, a passaged terminal member rotatably engaged on said cable and head, a plug rigidly secured in one end of said terminal member to enclose said head, a plurality of interfitting ball and socket links engaged on said cable, a ball member integral with said terminal member and engaging into one of said links, a second passaged terminal member engaged on the other end of the cable and engaged by the end link at that end of the cable, a split wedge engaged on said cable and driven into said second terminal member to tension said cable for holding the links in interfitting operating relation, and a plug secured into the end of said second terminal member to enclose the end of the cable.

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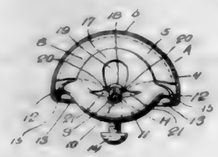
1,566,966. ADJUSTABLE MOUNTING FOR ARTIFICIAL EYES. ALEXANDER KONOFF, New York, N. Y. Filed May 7, 1925. Serial No. 28,602. 11 Claims. (Cl. 46—40.)



9. A doll's eyeball comprising a semi-spherical eye-shell and means whereby said shell is connected with the usual carrying rod, said connecting means consisting of a plurality of separately formed parts by which the eye-shell is mounted for manual adjustment longitudinally along the rod, and said parts also providing angularly related pivots one of which is on a horizontal axis transverse to the length of the carrying rod to thereby provide for rotatable adjustment of the shell on said axis.

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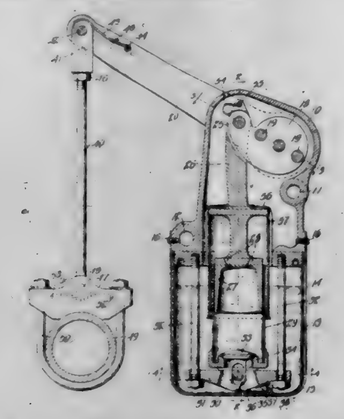
1,566,967. CONVERTIBLE TOURING COUCH. JOHN B. KRING, Galion, and FRANK E. PETERS, Marion, Ohio. Filed Aug. 17, 1922. Serial No. 582,476. 1 Claim. (Cl. 5—112.)

A convertible couch comprising side bars composed of sections hinged together and having abutting inner ends and offset outer end portions provided at their ex-

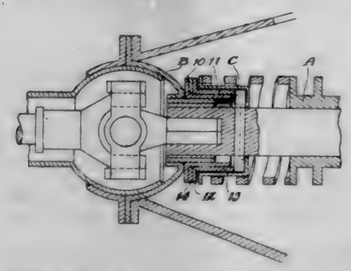
tremities with seat recesses leading in from their end edges, cross bars having reduced end portions which enter the seat recesses, said reduced end portions being notched to receive the sides of the offset end portions of the sections, a webbing attached to the cross bars, transverse reinforcing strips attached to the webbing and having end notches which receive the side bars and foldable legs pivoted to the side bar sections.

1,566,968. SHOCK DIFFUSER. FRANK F. LANDIS, Waynesboro, Pa. Filed Jan. 31, 1925. Serial No. 6,108. 16 Claims. (Cl. 188—88.)



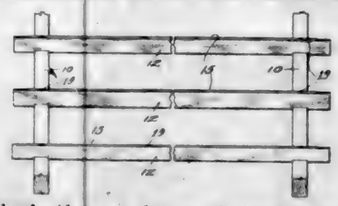
1. In a shock diffuser, a casing, a body of liquid therein, an upwardly-opening cylinder therein, a fluid passage at the bottom of the cylinder, and means to prevent access of air to the cylinder, substantially as set forth.

1,566,969. ENGINE-SHAFT THRUST BEARING. GENE E. PRUITT, Frederick, Okla. Filed Dec. 22, 1923. Serial No. 682,311. 1 Claim. (Cl. 308—167.)



In combination with the universal ball cap and clutch spring support of an automobile transmission, and with a bearing sleeve at the forward end of the ball cap, a thrust bearing structure interposed between said elements, and comprising a disk having a sleeve surrounding the bearing sleeve, a second disk having a sleeve telescoping the firstnamed sleeve and fitting within the transmission clutch spring support, and a renewable washer fitting between said disk.

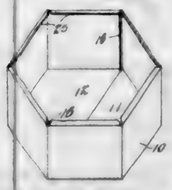
1,566,970. CHICKEN ROOST. FRANCIS WM. RIDGLEY, Exira, Iowa, assignor of one-half to George C. Voss, Exira, Iowa. Filed Apr. 2, 1923. Serial No. 629,312. 1 Claim. (Cl. 119—25.)

A chicken roost of the class described, including a roost member having its longitudinal upper edges rounded, a groove running lengthwise in the top thereof, said groove being deepened near the ends of said roost member and terminating short of said ends of forming germicide retaining wells, a wick adapted to rest in said groove, having its ends extending into said wells, a shoulder adjacent

each side of said groove, slats on said shoulders for pinching said wick for retaining it in said groove and for causing a portion thereof to extend above said slats where said portion may come in contact with fowls roosting on said roost.

1,566,971. BUCKLE. EVERETT I. ROGERS, Providence, R. I. Filed Sept. 3, 1925. Serial No. 54,246. 8 Claims. (Cl. 24—194.)

1. A buckle, comprising a hollow main frame having end bars and side bars integrally joined together, the rear end bar forming a belt attaching bar and the inner edges of said side bars having slideways formed by flanges projecting backwardly and then outwardly to form lips parallel to said side bars and offset therefrom, and a sliding frame comprising side bars, an end bar at the front end thereof and a central clamping cross bar integrally joined together, the front edge of said cross bar being forwardly inclined to form a clamping surface to clamp a belt end against the inner edge of the front end bar of the main frame on outward movement on said sliding frame, the outer edges of said side bars having cooperating slideways formed by flanges projecting forwardly and then inwardly to form lips parallel to said side bars and offset therefrom, said inwardly projecting lips registering in the guideways of said main frame to secure said frames against lateral movement and to permit longitudinal movement of said sliding frame in rear of and on said guideways, and means on said frames to limit the sliding movement of said sliding frame in both directions, comprising a stop lip projecting integrally backwardly from the front end bar of the main frame adapted to abut the front edge of said sliding frame to limit its outward movement and stop lugs projecting from the rear end of said main frame slideways to limit the inward movement of said sliding frame.

1,566,972. BOX. FREDERICK ARTHUR ROSE, Memphis, Tenn., assignor to Memphis Paper Company, a Corporation of Tennessee. Filed Mar. 11, 1924. Serial No. 698,520. 4 Claims. (Cl. 229—41.)

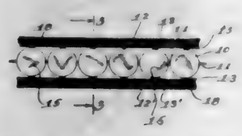


1. A box having collapsible sides, a collapsible bottom comprising folding sections with joints between them extending between opposed corners on the box,



means at said corners for guiding the sections of the bottom, and means at said corners for locking the bottom in position when fully opened, substantially as set forth.

1,566,973. ORNAMENTAL DEVICE. HYMAN ROSEN, New York, N. Y. Filed July 31, 1922. Serial No. 578,636. 8 Claims. (Cl. 2—278.)



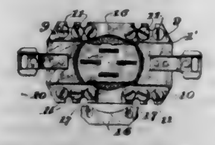
1. In a device of the character described, a plurality of ornamental members secured to each other to form a continuous length by means held within the ornamental member and extending peripherally therefrom and an attaching border secured to each side of said members parallel to said length.

1,566,974. HOLLOW BALL AND PROCESS OF MAKING THE SAME. ADDISON T. SAUNDERS, Akron, Ohio, assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed May 8, 1923. Serial No. 637,532. 10 Claims. (Cl. 154—16.)

1. A gas filled playing ball of the tennis type having its vulcanized rubber wall provided on its inner side with an adherent air proof layer of dehydrated non-coagulable compound comprising gelatine and a softening material in proportions to be non-fluent under heat and to give a greater firmness to said wall than would a like increase in the thickness of the rubber wall itself, substantially as described.

10. In a process of making gas filled hollow balls formed of sections united into a hollow member, the steps comprising laying adjacent the edges of the sections to be joined, a ring of gelatinous material adapted to flow under gentle heat and to be rendered nonflowing by a higher temperature, joining the sections into a hollow wall with the gelatinous material on the inside, applying a heat sufficient to cause the gelatinous material to flow and seal the joint, and following with a higher heat to render the gelatinous material non-flowing under subsequent heat.

1,566,975. ELECTRICAL FITTING. HARRY I. SCHAER, Washington, D. C. Filed July 17, 1924. Serial No. 726,616. 3 Claims. (Cl. 247—14.)

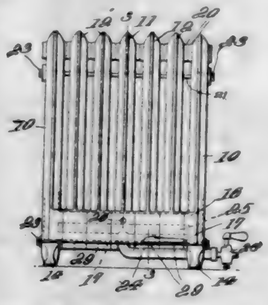


1. In combination with an electrical appliance having an insulating body, a plurality of groups of electrically inter-connected junction terminals thereupon, said groups being adapted to receive electrical conductors of different polarity, and jumper contact plates engageable with certain of the junction terminals of said groups whereby to electrically inter-connect the same for engagement with electrical conductors of corresponding polarity.

1,566,976. WATCHCASE CONSTRUCTION. DAVID SCHMIDT, New York, N. Y. Filed July 23, 1925. Serial No. 45,648. 4 Claims. (Cl. 63—2.)

2. In an article of the class described, a case section, an ornamental element within the case section, a top mount, said ornamental element having an opening therein, the top mount being attached to said case section, said top mount having an opening therein which coincides with the opening in said ornamental element, and means for supporting the ornamental element from the top mount.

1,566,977. RADIATOR. GEORGE P. SCHMITT, Oakland, Calif., assignor to Pacific Heating Company, a Corporation of California. Filed Jan. 20, 1923. Serial No. 613,951. 2 Claims. (Cl. 126—9.)

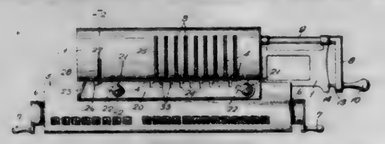


1. A radiator of the character described comprising a plurality of hollow sections of approximately inverted U-shape, the lower extremity of one leg of each section having an enlarged portion of rectangular shape provided with a bottom wall having an air inlet opening therein, the lower end of each of the other legs having a transversely disposed opening means uniting said section in alignment, whereby said rectangular portions provide a combustion chamber of uniform rectangular cross section throughout the length of the radiator and said transversely disposed chambers provide a vent chamber of uniform cross-section throughout the length of the radiator, one of said sections having an outlet opening leading from the vent chamber, a burner feed pipe extending beneath the radiator and having its discharge end extending through the bottom wall of the combustion chamber, and a burner extending longitudinally within the combustion chamber and connected intermediate between its ends with the discharge end of the feed pipe.

1,566,978. CLEARING DEVICE FOR SETTING DISKS OF CALCULATING MACHINES. OTTO P. SCHUMAN, Philadelphia, Pa., assignor to Rapid Calculator Company, Philadelphia, Pa. Filed Aug. 29, 1924. Serial No. 734,990. 7 Claims. (Cl. 235—144.)

1. In a calculating machine in combination with a setting mechanism and a full-stroke mechanism: means normally permitting free travel of the setting disks and adapted to be moved into the path of travel of said disks to cause the same to be brought into alignment

when the setting mechanism is rotated, said movement of said means into the path of the setting disks automatically operating to disengage the full-stroke mecha-



nism of the machine to permit said setting disks to be returned to zero position by reverse movement of the operating crank of the machine.

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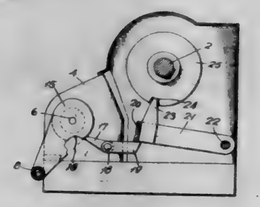
1,566,979. LOCKING DEVICE FOR ZERO-SETTING MECHANISMS OF CALCULATING MACHINES. OTTO P. SCHUMAN, Philadelphia, Pa., assignor to Rapid Calculator Company, Philadelphia, Pa. Filed Aug. 29, 1924. Serial No. 734,991. 4 Claims. (Cl. 235—130.)



2. In a calculating machine in combination with a setting mechanism and a registering mechanism: separate locking levers each pivotally mounted adjacent to and adapted to engage one of said mechanisms, said levers having engagement with one another, whereby both of said mechanisms are unlocked when they are in normal cleared position, said setting mechanism is locked against movement when said registering mechanism is in abnormal position, and said registering mechanism is locked against movement when said setting mechanism is in abnormal position.

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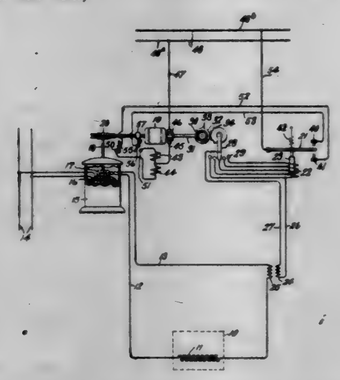
1,566,980. REGULATOR FOR ELECTRIC HEATERS. JOHN A. SEEDE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 7, 1924. Serial No. 711,713. 8 Claims. (Cl. 204—64.)



1. A regulator for electric resistance heaters in which the heating resistance changes as the heating operation proceeds comprising means responsive to the current in said resistance for varying the voltage impressed on said resistance inversely in proportion to the current so as to maintain a substantially constant power input.

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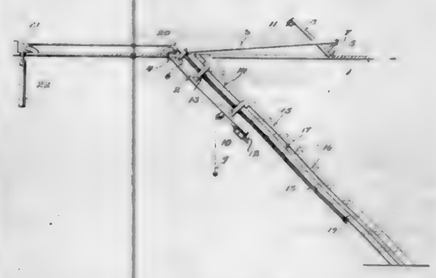
1,566,981. LOFT STAIRWAY. LOUIS G. SEIBERLICH, Oshkosh, Wis. Filed Oct. 20, 1924. Serial No. 744,801. 1 Claim. (Cl. 228—50.)



In a loft stair construction, the combination of a floor provided with an opening therethrough, a pair of trap doors pivoted to said floor adjacent said opening and adapted to be rocked in opposite directions, link mechanism connecting said trap doors and causing simultaneous motion thereof, a latch having cooperating portions carried by said trap doors and having a downwardly extending release cord, guides carried by the downwardly opening trap door, a ladder having a groove formed in each side thereof for the reception of said guides, a rope attached to said ladder at a point intermediate its ends, pulleys carrying said rope, and a counter weight attached to the other end of said rope.

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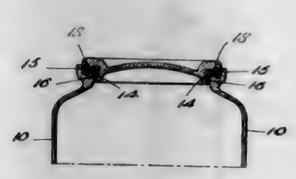
1,566,982. FLOWER HOLDER. PARKE E. SHEE, Lancaster, Pa., assignor of one-half to Daniel M. Rothenberger, Leesport, Pa., and one-half to Maurice L. Dries, Wyomissing, Pa. Original application filed Aug. 30, 1922, Serial No. 585,221. Divided and this application filed Apr. 7, 1923. Serial No. 630,583. 1 Claim. (Cl. 248—20.)

The combination with a flower holder of a substantially U-shaped bracket having an opening in one arm thereof, a screw extending through said opening for detachably securing the bracket to the ledge, a lug having a rectangular socket projecting from the closed end of said bracket, a vertical rod having a hooked upper end provided with a depending flat portion arranged to engage said bracket and prevent lateral movement of the rod relative thereto, and a container connected exteriorly to the rod.



1,566,983. VACUUM CONTAINER. J ED SHERIFF, New York, N. Y., assignor to George A. Sykes, New York, N. Y. Filed July 28, 1922, Serial No. 578,128. Renewed June 10, 1925. 3 Claims. (Cl. 215—40.)



1. A package comprising a container having an opening surrounded by a biting ridge, a cover fitting over said opening and provided with a biting ridge whose apex lies substantially vertically over the apex of the ridge on the container, and a sealing ring of yielding material adapted to come between said cover and container so as to receive the biting compression of the two opposed ridges.

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1,566,984. ELECTROPLATING METHOD AND ELECTROPLATED ARTICLES. ROBERT JAY SHOEMAKER, Chicago, Ill. Filed Oct. 1, 1923. Serial No. 665,951. 26 Claims. (Cl. 204—13.)

1. Improvement in the method of electroplating iron articles which consists in covering the surface of the article to be plated with a permanently adherent film of mercury and a metal with which mercury will amalgamate and thereafter electro-plating said surface.

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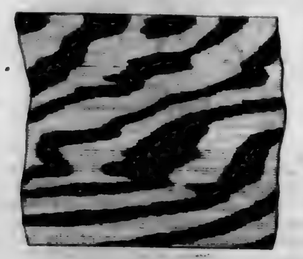
1,566,985. PROCESS OF TREATING WOOD. JOHN SHULER, Columbus, Ohio. Filed July 23, 1925. Serial No. 45,698. 3 Claims. (Cl. 41—41.)



1. A process of treating wood which consists in coating the surface thereof with a solution which protects the softer portions thereof against charring to a greater degree than the harder portions, then applying heat to the coated surface which chars the harder portions to a greater extent than the softer portions, then rubbing the surface to remove the charred surface of the softer portions and leaving the harder portions charred.

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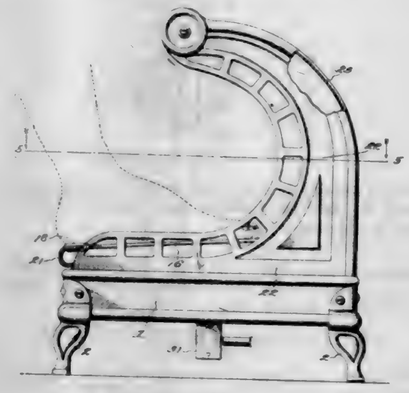
1,566,986. FOOT-REST ELECTRIC HEATER. LEO SIMMONS, Washington, D. C. Filed Apr. 3, 1925. Serial No. 20,492. 12 Claims. (Cl. 219—19.)

5. A portable electric heater arranged to heat and circulate the air of a room, said heater embodying an electric resistance heating unit, a foot support arranged a distance above said unit and in foot heating relation thereto, and an upstanding hood projected forwardly above said support, means being provided to protect the feet on said rest from burning or injurious heat and to



cause upward discharge of heated air adjacent to said support, and means for supporting said unit and the foot support in a low down foot rest position.

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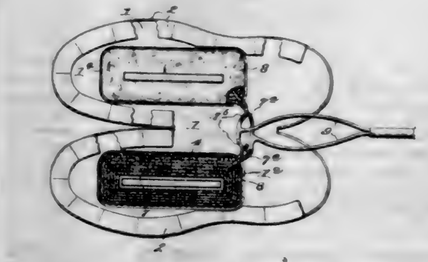
1,566,987. ELECTRIC WARMER FOR THE FEET. LEO SIMMONS, Washington, D. C. Filed May 19, 1925. Serial No. 31,356. 7 Claims. (Cl. 219—46.)



5. An electric warmer for the human feet, with therapeutic tendencies, embodying double open flexible receiving inclosures for the human feet and ankles; having a common supporting base forming the bottom or soles of said receiver housings, provided with electric resistance wire heat generating coils, confined in recesses through the base or soles of said housings, with means for connecting same to the ordinary electric light supply.

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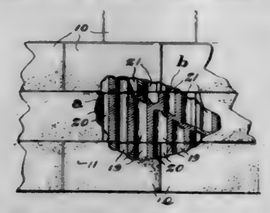
1,566,988. BUILDING-BLOCK CONSTRUCTION. JOÃO P. SIMMONS and MANUEL C. PACHECO, New Bedford, Mass. Filed Feb. 9, 1924. Serial No. 691,659. 1 Claim. (Cl. 72—41.)

A building block comprising inner and outer integral sections each having a longitudinally arranged series of vertical passages therethrough in equal spaced relation, the passages of one section being in staggered relation to those in the other, slots of less diameter than the passages and opening on the top and bottom of the blocks being formed at each end of the block forming commu-

nication between respective passages and the ends of the block, and being of a width to permit the formation of a substantial key to oppose longitudinal separation



of the blocks by the extrusion of mortar from joints on which the slots and passages abut when such blocks are laid as described.

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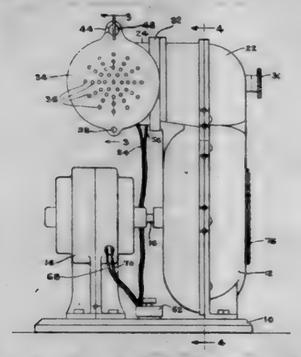
1,566,989. ELECTRIC HEATER. MAX SKOLNIK, Minneapolis, Minn. Filed Oct. 13, 1924. Serial No. 743,202. 4 Claims. (Cl. 219—42.)



1. An electric heater for rooms comprising blower whose casing has a central air inlet opening, an extension member leading from the periphery of the blower casing, the delivery end of said extension member being deflected laterally at right angles, a forwardly extending nozzle swivelly attached at its side to said deflected end, an electric resistance element in said nozzle extending out centrally from the rear end thereof, and means whereby current may be supplied to said element.

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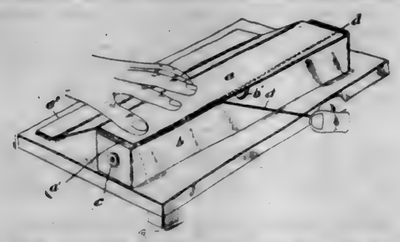
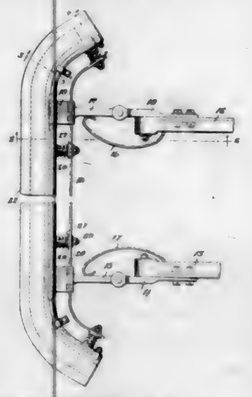
1,566,990. DISPENSING PACKAGE FOR PAPER. RAYMOND E. SMITH, Portland, Oreg., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H., a Corporation of Massachusetts. Filed May 19, 1925. Serial No. 31,378. 3 Claims. (Cl. 206—58.)



1. A paper-roll holder comprising two members and a string having its ends detachably connected to one of them to permit it to be employed to retain the said two members in assembled relationship or to cut a section of paper drawn from a roll contained in the holder.

1,566,991. AUTOMOBILE BUMPER. JOSEPH SONNENFELD, Brooklyn, N. Y. Filed Aug. 5, 1925. Serial No. 48,292. 5 Claims. (Cl. 293—55.)



1. An automobile bumper which comprises a front guard-plate, cushioning means on said front guard-plate, a more flexible rear guard-plate and resilient means disposed between said plates permitting movement of the one with respect to the other.

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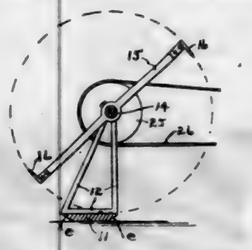
1,566,992. CUTTER ATTACHMENT FOR TRACTORS. JOSEPH SPENCE, Maywood, Nebr. Filed Feb. 27, 1925. Serial No. 12,131. 3 Claims. (Cl. 55—118.)



1. In a cutter attachment for tractors, a base-plate provided with upright frames and having a convexed bottom for engaging the ground transversely of the line of travel of the tractor, a revoluble operating-shaft having bearings in said upright frames, cutter-bars arranged in pairs at longitudinal intervals of the base-plate and rigidly mounted on said shaft, blades mounted on the ends of the cutter-bars of each pair, pull-bars connected at their respective ends with the base-plate and tractor, a radius rod having a pivotal connection with the shaft and pivotally connected with the tractor, a yoke on the tractor having arms receiving the pull-bars, and a pair of springs carried by said yoke for pressing the pull-bars toward the ground.

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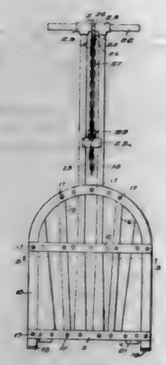
1,566,993. TRUCK. BURTON A. SPINNEY, Des Moines, Iowa. Filed May 28, 1923. Serial No. 641,882. 1 Claim. (Cl. 214—65.4.)

In a device of the class described, a yoke-shaped member, a cross member at the end thereof, a cross member spaced from the ends thereof curved out of the plane of the yoke member, slats connecting said cross members and the closed end of the yoke, a handle comprising a pair of parallel members secured to said cross members and the closed end of the yoke, a transverse handle mem-



ber mounted on the outer end of said first handle members, a yoke mounted on said last handle member between the first two handle members, a link chain connected with said yoke having a hook on its free end, a sliding



member mounted on and between the first two-described handle members having upwardly projecting spaced members terminating in curved ends, and supporting antifriction elements on the underside of said cross member.

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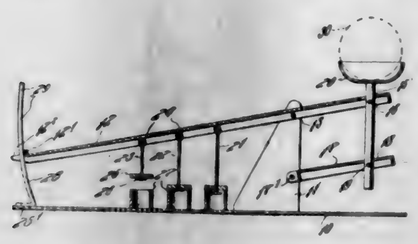
1,566,994. SCALE. LEON SPIRO and EDWARD T. WHITE, Everett, Wash. Filed June 11, 1924. Serial No. 719,401. 2 Claims. (Cl. 265—48.)



1. An egg grading scale of the character described comprising a base having a pair of spaced parallel arms secured to the upper side thereof, a scale beam fulcrumed off center and between the arms and having a slot in one end thereof, a vertically extending shaft received within the slot and pivotally secured to the scale beam, the long arm of the scale beam being bifurcated at its end thereof, a curvilinear gage bar secured to the base adjacent the end of the long arm and adapted to be received within the bifurcated end portion, a plurality of weights, means for suspending the weights from the underside of the scale beam between the gage bar and the parallel arms, a plurality of weight receiving members positioned directly beneath the weights, and a receptacle carried by the upper end of the vertically extending shaft.

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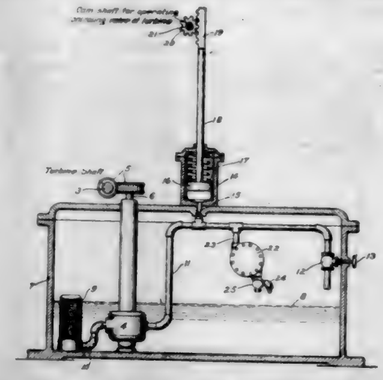
1,566,995. OIL GOVERNOR. REGINALD G. STANDERWICK, Marblehead, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 14, 1924. Serial No. 686,139. 4 Claims. (Cl. 264—14.)

1. In combination, a machine having a shaft, a pump driven in accordance with the speed of the shaft, a conduit to which the pump delivers fluid, means forming a discharge orifice for the conduit which serves to build up pressure in the conduit, regulating means for the machine operated by such pressure, means forming a second discharge orifice in parallel with the first-named



orifice, and means responsive to variations in the temperature of the fluid for varying the area of said second discharge orifice.

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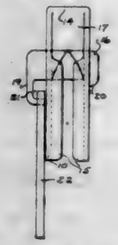
1,566,996. SEPARABLE FASTENER SLIDER. GIDEON SUNDBACK, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a Corporation of Pennsylvania. Filed May 8, 1923. Serial No. 637,447. 22 Claims. (Cl. 24—205.)



1. A slider comprising wings forming diverging channels, means holding the wings against spreading, and a pull device pivoted between the channels adjacent one wing to confine the actuating force to substantially the intermediate portion of the slider.

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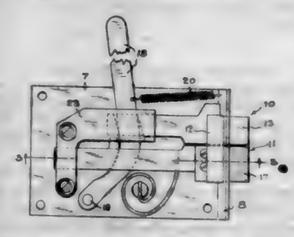
1,566,997. DOOR LATCH. GEORGE M. TAGGART, Jr., Seattle, Wash. Filed June 22, 1925. Serial No. 38,653. 1 Claim. (Cl. 292—173.)



In a lock, keeper means affording bolt receiving space having a straight wall and an inclined wall, a bolt having a straight outer wall arranged to lock against

the straight wall of said keeper, a spring pressed bolt having an inclined outer wall arranged to wedge against the inclined wall of said keeper and means for simultaneously retracting both of said bolts.

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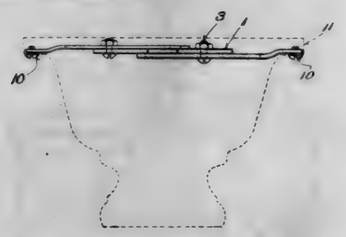
1,566,998. FIXTURE STRAP. MORRIS TAX, Milwaukee, Wis. Filed May 3, 1923. Serial No. 636,337. 3 Claims. (Cl. 240—85.)



1. A fixture strap comprising a body plate having a centrally located threaded aperture, a plurality of bolts carried by said body plate, and members having elongated slots through which said bolts pass, said members being slidably related to said body portion and having threaded apertures adjacent their outer portions.

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1,566,999. AUTOMOBILE SPOTLIGHT. JAMES ALFRED THOMAS, Albert Lea, Minn. Filed Nov. 2, 1923. Serial No. 672,307. 4 Claims. (Cl. 240—61.)

1. A spot light provided with supporting means to be clamped to and supported from the filler spout of the radiator of an automobile, said spot light rotatably mounted in position under said support and operatively connected to one end of a flexible shaft, a shaft attached at one of its ends to the other end of said flexible shaft, and supported in position parallel to the steering column of the automobile, a gear loosely mounted on the upper end of said shaft in mesh with a gear secured to the steering wheel of the automobile, said upper end of said shaft being hollow and having a plunger therein, a spring back of said plunger, pins on said plunger adapted to rest in notches in said shaft in inoperative position and arranged so that one of said pins will be in a slot in said shaft, and the other of said pins will be in a notch in said loosely mounted gear when the device is in operative position.

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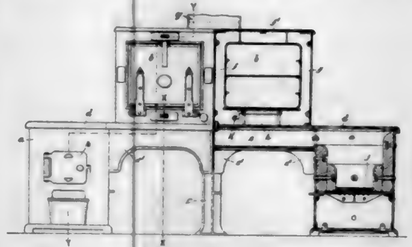
1,567,000. COOKING STOVE AND RANGE. HERBERT ALEXANDER THOMPSON, Morpeth, England, assignor of one-half to Swinney Brothers Limited, Morpeth, England, a Company organized and existing under the laws of Great Britain. Filed May 12, 1924. Serial No. 712,758. 2 Claims. (Cl. 126—18.)

1. A stove unit for use in required numbers in ships' galleys comprising a stove structure having a fire box at one end thereof, a hot plate extending over the entire stove structure including the end in which the fire box is situated, a lateral flue immediately beneath the hot plate communicating with the space above the fire box, said hot plate above said flue having an opening at the rear portion of the stove structure, an oven structure fitted directly on the portion of the hot plate above said flue and having bottom, side and top flues about the oven with the rear portion of the bottom flue communicating directly with the opening in said hot plate, a



chimney communicating with the top flue of the oven structure, baffle plates in said flues of the oven structure, and a damper extending in common to the bottom flue of the oven structure and said opening of the hot plate and adapted to direct the products of combustion either to said bottom flue or to the chimney.

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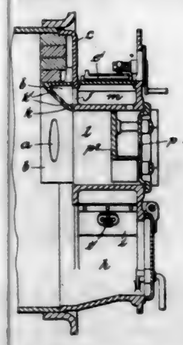
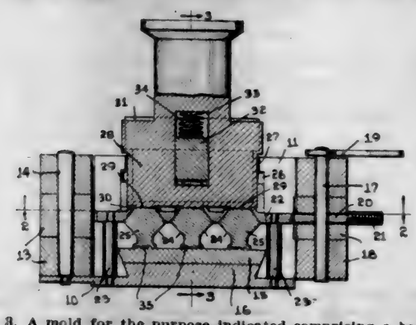
1,567,001. FORCED-DRAFT-FURNACE FRONT WHICH IS CONVERTIBLE FOR FIRING WITH COAL OR OIL OR BOTH. HERBERT ALEXANDER THOMPSON. Morpeth, England, assignor of one-half to Swinney Brothers Limited, Morpeth, England, a British Company. Filed Dec. 26, 1924. Serial No. 758,188. 6 Claims. (Cl. 158—1.5.)



1. A furnace front of the type referred to comprising the combination of inner and outer plates of the furnace front, a fire opening formed by a casting made in one with the outer and inner plates of the furnace front, hollow perforated wing baffles, air directing cones arranged on each side of the firing opening casting and made integral with the hollow perforated wing baffles, a hollow perforated arch baffle open at its ends to the wing baffles, the said inner plate of the furnace front having openings leading to said arch baffle, saddle plates extending between the outer and inner plates of the furnace front, said saddle plates being sloped outwardly and downwardly, saddle valves mounted in said saddle plates, lower plates extending between the outer and inner plates of the furnace front and sloping upwardly from the lower part of the fire opening casting, said plates meeting and supporting the ends of the saddle plates and together therewith enclosing an air chamber leading to the air directing cones and the arch baffle, oil burners mounted in the front plate and extending through said air chambers and arranged coaxially with the air directing cones.



1,567,002. FOUNT CUT. ALBERT J. THROM, Grapeville, Pa. Filed June 23, 1925. Serial No. 39,078. 9 Claims. (Cl. 49—72.)



3. A mold for the purpose indicated comprising a base and movable side members secured to the base, a shell supported by the base and enclosed by the side members, the latter and the shell defining the shape of articles to be cast and the side members above the shell being hollowed out to provide a fount, and a plunger insertible in the fount and having shell engaging means to shear the surplus glass from the cast article.

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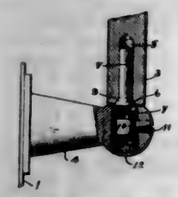
1,567,003. KEY-SHAFT BEARINGS FOR MUSICAL INSTRUMENTS. EDWARD J. GULICK, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a Corporation of Indiana. Filed Mar. 12, 1921. Serial No. 451,869. 6 Claims. (Cl. 84—385.)



2. In a wind musical instrument, the combination with a rotatable key-shaft and a post, of a bearing pin telescopically connecting said shaft and post, said pin being provided with cylindrical and conical bearing sections, and said pin being bodily adjustable in said post and axially of said shaft.

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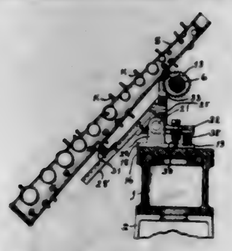
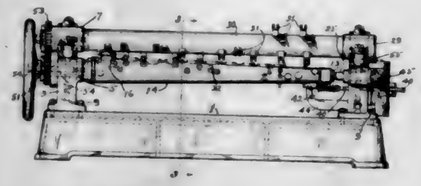
1,567,004. MILLING MACHINE FOR CROSS-KNOBS FOR MUSICAL INSTRUMENTS. EDWARD J. GULICK, Elkhart, Ind., assignor to C. G. Conn, Ltd., of Elkhart, Ind., a Corporation of Indiana. Filed Nov. 1, 1922. Serial No. 598,252. 12 Claims. (Cl. 90—11.)



1. In a cross knob milling machine for instrument bodies, the combination of a tool shaft extending transversely of the axis of the instrument body, and means for supporting said instrument body on the knobs to be machined by said tool.

1,567,005. KNOB-GAUGING MACHINE FOR MUSICAL INSTRUMENTS. EDWARD J. GULICK, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a Corporation of Indiana. Filed Nov. 6, 1922, Serial No. 599,243. Renewed May 21, 1925. 17 Claims. (Cl. 29—89.)



1. In a machine for gauging the knobs of musical instruments of the character described, the combination of a support for an instrument body, a gauge carrier and means for moving said carrier and body relatively to each other.

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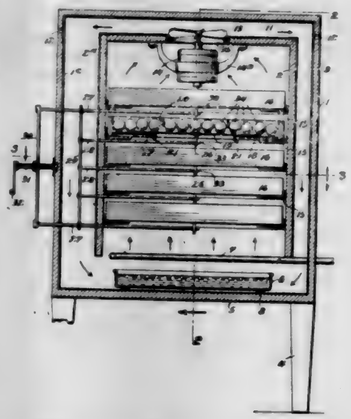
1,567,006. INCUBATOR. JOHN F. MACKAY, Lancaster, Pa., and ROLLA E. FADER, Norwalk, Ohio. Filed Sept. 21, 1921, Serial No. 502,139. Renewed Mar. 25, 1925. 7 Claims. (Cl. 119—35.)



1. An incubator comprising inner and outer casings affording intervening top and opposed side circulation spaces the latter communicating with the lower interior of the inner casing, a fan arranged in an opening at the top of the inner casing for creating a draft, heating means in the lower portion of the casing, and egg supporting means in the inner casing, all so arranged that heated air drawn upwardly is deflected through the circulation spaces back to the bottom of the incubator and up again.

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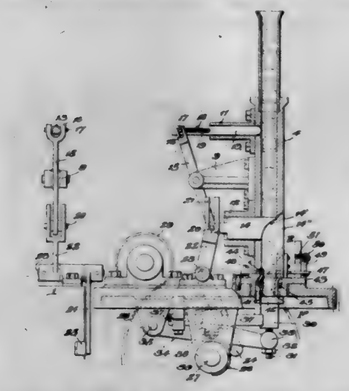
1,567,007. MACHINE FOR STRIPPING RUBBER NIPPLES FROM METAL FORMS. PAUL A. RAICHE, Providence, R. I., assignor to Davol Rubber Company, Providence, R. I. Filed Dec. 24, 1924. Serial No. 757,956. 11 Claims. (Cl. 18—2.)

1. In a machine for stripping nipples from metal forms, a magazine having a discharge outlet, means for moving the magazine vertically, centering and locating means for the forms and nipples thereon, means for successively delivering the forms from the magazine to the centering means, releasable means for gripping the

nipples carried by the magazine, an air tube formed with a beveled mouth to engage between the roll of the nipple and the form, means to admit air under pressure into



the tube, and means to release the gripping means upon upward movement of the magazines to permit the air pressure to eject the nipple through the discharge outlet.

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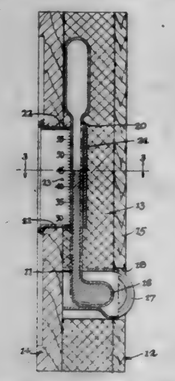
1,567,008. REFRIGERATOR THERMOMETER. CHARLES C. SPREEN, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed Dec. 11, 1924. Serial No. 755,212. 2 Claims. (Cl. 73—52.)



1. In combination, a refrigerator wall having an inner recess extending into said wall from the inner face thereof and an outer recess extending into said wall from the outer face thereof and an aperture extending in said wall between said recesses, and a thermometer having its bulb disposed in said inner recess and its indicating portion disposed in said outer recess and connected to said bulb by a connecting stem extending from said bulb to said indicating portion through said aperture.

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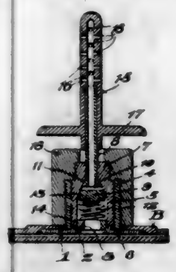
1,567,009. RUBBER INTERNAL-BATH BAG. ROBERT E. STERRITT, Cranston, R. I., assignor to Davol Rubber Company, of Providence, R. I. Filed May 29, 1925. Serial No. 33,662. 6 Claims. (Cl. 128—226.)

3. A valve structure for rubber bags, including a base engaged with a wall of the bag, a sleeve carried by the base, a valve casing carried by the sleeve and located therewithin and having an internal valve seat, a hollow valve stem slidable in the casing and having a valve engaged with the seat and formed with a port communicating with the valve stem interior, a spring seat within



the casing a spring supported on the seat and engaged with the valve a nozzle on the valve stem, and an outer casing surrounding the sleeve and engaged with said bag wall to clamp same against the base.

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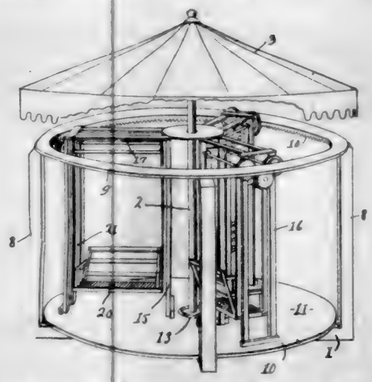
1,567,010. SWING. HERMAN H. SPECK, Cincinnati, Ohio; Josephine Speck executrix of said Herman H. Speck, deceased. Filed Jan. 2, 1923. Serial No. 610,136. 2 Claims. (Cl. 272—33.)



2. In combination with a frame having a circular rack mounted thereon, a carrier revolving on said frame, a plurality of swing devices mounted on the carrier and adapted to swing to and fro when energized by an occupant, a pair of shafts secured to each swing device and rocking with said swings, said shafts having gear and ratchet trains including gears to mesh with the circular rack, and each gear and ratchet train being arranged to drive all rack meshing gears in the same direction.

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1,567,011. HAIR-TRIMMING GUIDE. JEAN PARZIALE, New York, N. Y. Original application filed Feb. 6, 1925, Serial No. 7,355. Divided and this application filed Oct. 12, 1925. Serial No. 62,133. 2 Claims. (Cl. 132—45.)

1. As a new article of manufacture, a guide for trimming sideboards, comprising a pair of members each having an arcuate rear portion constituting means for guiding the user in shaving around the ears, and a lower edge having a series of parallel teeth formed with angular inwardly projecting terminals through which the portions of the sideboards to be trimmed project.



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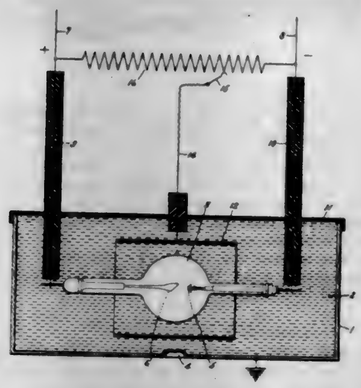
1,567,012. ELECTRON-DISCHARGE APPARATUS. HECTOR PAUL PILON, Paris, France, assignor to General Electric Company, a Corporation of New York. Filed Apr. 27, 1922. Serial No. 556,917. 3 Claims. (Cl. 250—84.)



2. An X-ray apparatus, comprising the combination of a tank, an X-ray bulb mounted therein, a body of insulating liquid surrounding said bulb, a conductive body surrounding said bulb in contact with said liquid, and means for charging said conductive body to an electrostatic potential.

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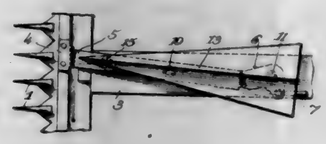
1,567,013. MOWING MACHINE. ARNOLD RUTISHAUSER, Olten, Switzerland. Filed July 6, 1925. Serial No. 41,644. 4 Claims. (Cl. 56—2[illegible].)



1. In a mowing machine, the combination with a wheeled frame having a middle, forwardly projecting part and a cutter, of a distributing member extending toward the cutter and having surfaces rising from the front towards the rear and mounted above said forwardly projecting part, and means to impart an oscillating movement in a substantiallily horizontal plane to said distributing member for separating the cut material falling on said distributing member and laying it in two swaths to both sides of said part.

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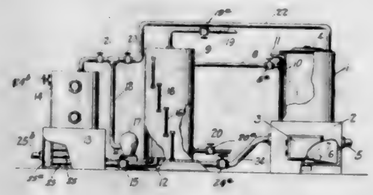
1,567,014. APPARATUS FOR REDUCING THE OFFAL IN SLAUGHTERHOUSES TO GREASE AND TANKAGE. HUGH P. TAYLOR, Dayton, Ohio, assignor to Pearl B. Brokamp, Dayton, Ohio. Filed Aug. 5, 1922. Serial No. 579,942. 1 Claim. (Cl. 87—13.)

In an apparatus of the type described, an offal tank for cooking a quantity of offal and having an opening in its side, near its top, covered by a screen, means for injecting steam behind said screen to keep it clear of obstacles, a receiving tank, a conduit connecting the receiving tank with that portion of the offal tank located behind said screened opening to float melted grease and portions of finely divided protein from the offal tank to the receiving tank, a grease outlet conduit at the top of the receiving tank, means for introducing water into



the bottom of the receiving tank to force the grease into said grease outlet, an evaporating tank, a steam jacket in the bottom of the latter, means for introducing steam to said jacket, means for drawing protein from the bottom of the receiving tank into the evaporating tank, and means for conducting the concentrated protein from said evaporating tank to the first tank for removal.

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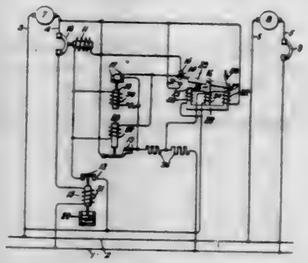
1,567,015. AUTOMATIC RECLOSING CIRCUIT-BREAKER SYSTEM. OLIVER C. TRAVER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 20, 1921. Serial No. 523,754. 12 Claims. (Cl. 175—294.)



1. In an automatic reclosing circuit breaker system, the combination with a direct current load circuit supplied with current at a plurality of points, a direct current supply circuit adapted to be connected to said load circuit, a circuit breaker for controlling the connection between said load circuit and said supply circuit, and closing means for said circuit breaker, of means responsive to the relative polarities of the voltages across said supply circuit and said load circuit and the magnitude of the voltage across said load circuit for controlling the operation of said closing means.

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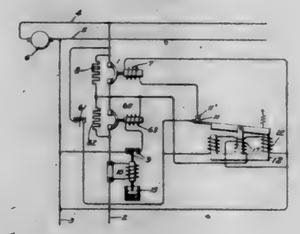
1,567,016. AUTOMATIC RECLOSING CIRCUIT-BREAKER SYSTEM. OLIVER C. TRAVER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 20, 1921. Serial No. 523,756. 10 Claims. (Cl. 175—294.)

1. In an automatic reclosing circuit breaker system, the combination with a supply circuit, a load circuit connected to said supply circuit, a circuit breaker adapted to control the connection between said supply circuit and said load circuit, an impedance adapted to be inserted in series with said supply circuit and said load circuit

when said circuit breaker is open and closing means for said circuit breaker, of a polarized relay for controlling the operation of said closing means comprising an operating winding connected across the load circuit so that its energization varies with the resistance of the load circuit when the circuit breaker is open and said supply circuit is energized.



8. In an automatic reclosing circuit breaker system, the combination with a supply circuit, a load circuit connected to said supply circuit, a circuit breaker adapted to control the connection between said supply circuit and said load circuit, and closing means for said circuit breaker, of a relay responsive to the voltage across the load circuit for controlling the operation of said closing means, and means connected in circuit with a winding of said relay for compensating for variations in the resistance thereof due to temperature changes.

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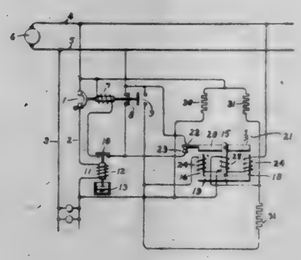
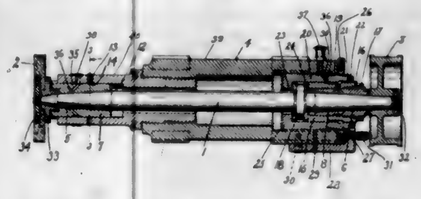
1,567,017. AUTOMATIC RECLOSING-CIRCUIT-BREAKER SYSTEM. OLIVER C. TRAVER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 19, 1922. Serial No. 530,442. Renewed July 8, 1925. 5 Claims. (Cl. 175—294.)



4. In an automatic reclosing circuit breaker system, the combination with a supply circuit, a load circuit connected to said supply circuit, a circuit breaker adapted to control the connection between said supply circuit and said load circuit and closing means for said circuit breaker, of a resistance adapted to be placed in series with the load circuit when the circuit breaker is open, a second resistance adapted to be placed in parallel with said first resistance and said load circuit when the circuit breaker is open, and a polarized relay for controlling said closing means having a coil connected between points of said resistances.

1,567,018. GRINDING-MACHINE-SPINDLE BEARING. SIDNEY HAROLD AMSDEN, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 11, 1920. Serial No. 402,891. 6 Claims. (Cl. 308—70.)



1. A grinding machine spindle fixture comprising a housing, a spindle having oppositely tapered bearing portions within said housing, a bearing for one of said tapered portions adapted to be held immovable relative to the housing, a movable bearing connected with the spindle to move longitudinally therewith for the other of said tapered portions, means for moving said movable bearing with the spindle to adjust the fit between the immovable bearing and the spindle and means to adjust the movable bearing relative to the spindle for both radial and longitudinal wear.

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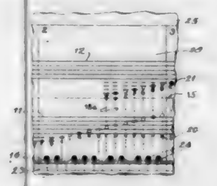
1,567,019. MUSICAL-INSTRUCTION DEVICE. IRVING BARNES, Westwood, N. J. Filed Oct. 17, 1924. Serial No. 744,108. 2 Claims. (Cl. 84—478.)



1. A device of the character described adapted to be applied to a key-board of a musical instrument, comprising a sheet having notes arranged thereon on two spaced staves in the order of the musical scale, a section of said sheet being adapted to overlie a portion of the key-board to position the notes in correlation with the key-board, said sheet being constructed to fold on the portions thereof between the two staves and adjacent said section to conform with parts of the instrument.

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1,567,020. METHOD OF MAKING ARTICLES OF CERAMIC BONDED GRANULAR MATERIAL. MILTON F. BEECHER and MACDONALD C. BOOZE, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed May 15, 1923. Serial No. 639,216. 6 Claims. (Cl. 25—157.)

1. The method of making a ceramic article comprising the steps of mixing abrasive grains and a vitrifiable bond in dry condition and thereafter firing the unformed dry mixture to vitrify the bond.

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1,567,021. COMBINED NECKLACE AND GAME APPARATUS. PAUL DETLEFSEN and GEORGE GRAHAM IZARD, Chicago, Ill. Filed May 12, 1924. Serial No. 712,706. 8 Claims. (Cl. 63—2.)

8. A necklace game counter including a flexible member shaped to form a loop and a plurality of objects loosely threaded thereupon, all of the objects being adapted to be moved ad-libitum upon and lengthwise of the said flexible member, the combined length of the said objects being considerably less than the length of the portion of the flexible member forming the loop so that adjacent objects at any point throughout the loop of objects may be separated and slid for a considerable distance upon the flexible member, and means other than the said objects for retaining the said objects in proximity to each other and substantially against movement lengthwise of the said flexible member, one of the said objects having a distinguishing characteristic from the remaining objects and dividing the objects into adjacent groups.

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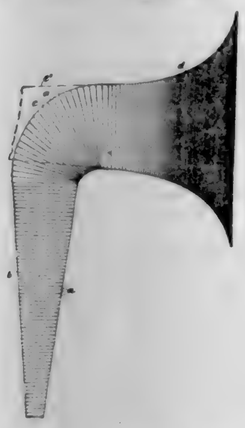
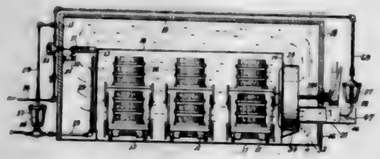
1,567,022. WOODEN TUBULAR STRUCTURE. JOSHUA GREEN, London, England. Filed Nov. 8, 1923. Serial No. 673,475. 8 Claims. (Cl. 181—27.)



1. A tubular structure consisting wholly of non-metallic sheet material in narrow strip form, wound spirally and having its edge portions permanently cemented together.

1,567,023. CONTINUOUS DRYING KILN AND METHOD OF DRYING WARE. THURE LARSSON, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 30, 1920. Serial No. 420,606. 30 Claims. (Cl. 34—46.)



30. In a continuous drying kiln, a series of heaters arranged longitudinally thereof, thermostatically controlled devices to regulate said heaters independently of each other, means including fans to circulate the air transversely of the dry room repeatedly in one direction, means providing inlet and outlet openings to and from the kiln to the external atmosphere and a return passage from the outlet to the inlet opening, means for circulating the air longitudinally of the kiln and the return passage to the inlet opening and a thermostatically controlled device to regulate the forward movement of the repeatedly circulating air in said kiln and to condition the air entering the kiln by mixing the return air with fresh air to obtain a fixed moisture content.

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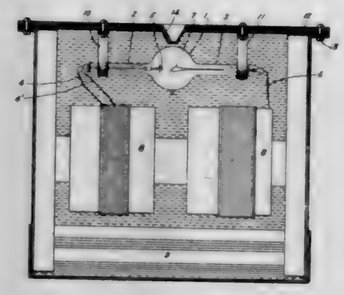
1,567,024. X-RAY APPARATUS. CHESTER N. MOORE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 10, 1922. Serial No. 542,757. 1 Claim. (Cl. 250—34.)



An X-ray apparatus comprising the combination of a sealed container having a wall containing a reentrant window which is transparent to X-rays, a filling of oil in said container, an X-ray bulb immersed in the oil within said container and supported at a substantial distance from the wall through which X-rays emerge to prevent accidental short-circuit of the terminals of said bulb by an external conductor, but being so oriented with respect to said reentrant window that X-rays from said bulb are projected through only a thin layer of oil between said bulb and said window.

Patents Nos. 1,567,025 to 1,568,039.

# THE OFFICIAL GAZETTE
OF THE
# United States Patent Office.

Vol. 341—No. 5. TUESDAY, DECEMBER 29, 1925. Price—$5 per year.

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## Issue of December 29, 1925.

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|---|---|---|---|
| Trade-Marks | 159—No. | 207,278 to No. | 207,436, inclusive. |
| J. M. Renewals | 98 | | |
| Labels | 35—No. | 29,703 to No. | 29,737, inclusive. |
| Prints | 6—No. | 8,479 to No. | 8,484, inclusive. |
| Reissues | 5—No. | 16,235 to No. | 16,239, inclusive. |
| Designs | 54—No. | 69,106 to No. | 69,159, inclusive. |
| Patents | 1,015—No. | 1,567,026 to No. | 1,568,039, inclusive. |
| Total | 1,380 | | |

## Interference Notices.

U. S. Patent Office, *Washington, Dec. 5, 1925.*

*Continental Candy Company, its assigns or legal representatives, take notice.*

An interference has been declared by this Office between the application of Hawley & Hoops, of 271 Mulberry Street, New York, N. Y., for registration of a trade-mark and trade-mark registered June 15, 1913, No. 92,571, to Novelty Candy Company, of 346 Claremont Avenue, Jersey City, N. J. The assignment records of this Office show that said trade-mark was assigned to Continental Candy Company, of 37 Wall Street, New York, N. Y., and because of prima facie evidence in the record to the effect that Continental Candy Company is no longer in business notice is hereby given that unless said Continental Candy Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, Dec. 8, 1925.*

*Hudson Condensed Milk Co., Inc., its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of The United Dairy Company Inc., Barnesville, Ohio, for registration of a trade-mark and trade-mark registered February 23, 1915, No. 102,799, to Hudson Condensed Milk Co., Inc., 81 Fulton Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Hudson Condensed Milk Co., Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Hudson Condensed Milk Co., Inc., shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, Dec. 4, 1925.*

*Charles C. Copeland & Co., its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Spartan Mills, Spartansburg, S. C., for registration of a trade-mark and trade-marks registered March 19, 1907, No. 61,438, and April 2, 1907, No. 61,700, to Charles C. Copeland & Co., 45 Worth Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Charles C. Copeland & Co. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Charles C. Copeland & Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, Dec. 4, 1925.*

*Fulfashon Hosiery Company, its assigns or legal representatives, take notice:*

An interference having been declared by this Office between the application of Wm. Hahn & Co., Seventh and K Streets NW., 1318 G Street NW., 414 Ninth Street NW., Washington, D. C., and also 37 West Lexington, Baltimore, Md., for registration of a trade-mark and trade-mark registered Sept. 14, 1920, No. 134,651, to Fulfashon Hosiery Company, 288 Fourth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said Fulfashon Hosiery Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Fulfashon Hosiery Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

## Notice of Cancellation.

U. S. Patent Office, *Washington, Dec. 11, 1925.*

*Son Brothers & Co., their assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of The Yale and Towne Mfg. Co., 9 East Fortieth Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Son Brothers & Co., doing business at 2124 Broadway, San Francisco, Calif., and in Meriden, Conn., under the name of Yale Cutlery Co., No. 58,930, dated December 26, 1906, and the notice of such proceeding sent by registered mail to the said Son Brothers & Co. at the said addresses having been returned by the post office as undeliverable, notice is hereby given that unless said Son Brothers & Co., their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

## Condition of Applications Under Examination at Close of Business December 18, 1925.

(Total number of applications awaiting action, excluding Trade-Mark Division, 39,797; Trade-Mark Division, 1,978. Oldest new case, June 10, 1925; oldest amended, June 9, 1925. The dates given are 1925.)

| Room No. | Divisions, Examiners, and Subjects of Inventions. | Oldest new application and oldest action by applicant awaiting office action. New. | Amended. | No. of applications awaiting action. |
|---|---|---|---|---|
| 112 | 1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders. | Oct. 5 | Oct. 8 | 568 |
| 126 | 2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco | Aug. 20 | Aug. 12 | 549 |
| 331 | 3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working. | Oct. 21 | Sept. 15 | 509 |
| 234 | 4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists. | Sept. 21 | Oct. 1 | 490 |
| 108* | 5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands. | July 18 | July 23 | 838 |
| 318 | 6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators. | Sept. 8 | Sept. 4 | 953 |
| 105 | 7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography | Sept. 30 | Sept. 28 | 771 |
| 133 | 8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture | Sept. 26 | Sept. 28 | 1,170 |
| 221 | 9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps. | Sept. 3 | Aug. 20 | 595 |
| 118 | 10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping. | Aug. 22 | Sept. 15 | 994 |
| 148* | 11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings. | Sept. 14 | Sept. 14 | 737 |
| 380 | 12. PIERCE, P. P., Machine Elements | Aug. 24 | Sept. 3 | 650 |
| 154* | 13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning. | July 7 | July 17 | 762 |
| 102* | 14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes. | Aug. 11 | Sept. 12 | 827 |
| 329 | 15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics | Sept. 18 | Sept. 21 | 646 |
| 242* | 16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony | Aug. 8 | Aug. 18 | 903 |
| 307 | 17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting. | Sept. 22 | Sept. 29 | 361 |
| 229 | 18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | July 25 | July 25 | 735 |
| 236 | 19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces. | Sept. 3 | Oct. 9 | 461 |
| 179 | 20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking. | Sept. 14 | Sept. 24 | 701 |
| 212 | 21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing | Aug. 24 | Sept. 14 | 478 |
| 244* | 22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Oct. 6 | Oct. 16 | 416 |
| 217 | 23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism. | July 10 | Aug. 14 | 348 |
| 147* | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Oct. 16 | Oct. 21 | 369 |
| 314 | 25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation. | Sept. 17 | Sept. 24 | 715 |
| 228* | 26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants | July 11 | July 3 | 726 |
| 214 | 27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus. | Oct. 19 | Nov. 7 | 481 |
| 225 | 28. BENSON, A. R., Internal-Combustion Engines | Oct. 19 | Oct. 12 | 674 |
| 160* | 29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools. | June 10 | June 9 | 1,071 |
| 248 | 30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats. | Sept. 18 | Oct. 5 | 871 |
| 312 | 31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue. | Oct. 15 | Oct. 5 | 668 |
| 249 | 32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange | Aug. 12 | Aug. 15 | 594 |
| 152 | 33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings. | Oct. 19 | Oct. 26 | 616 |
| 304 | 34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders. | Aug. 5 | Aug. 15 | 637 |
| 116* | 35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet. | Sept. 26 | Sept. 22 | 595 |
| 105 | 36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring | Aug. 6 | Sept. 2 | 1,055 |
| 224* | 37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers | Aug. 22 | Aug. 14 | 814 |
| 145 | 38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells. | July 20 | July 25 | 879 |
| 220 | 39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution | Sept. 14 | Oct. 12 | 446 |
| 209 | 40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles. | Sept. 8 | Sept. 8 | 1,155 |
| 125 | 41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes | Sept. 10 | Sept. 21 | 411 |
| 223* | 42. CUTTING, H. O., Electrical Conduits and Housings, Electric Signaling | July 21 | July 17 | 1,232 |
| 124* | 43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances. | Sept. 10 | Oct. 1 | 734 |
| 253 | 44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration. | July 2 | June 16 | 822 |
| 379 | 45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides | Sept. 21 | Sept. 23 | 561 |
| 233 | 46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers. | Sept. 15 | Sept. 16 | 552 |
| 264 | 47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices. | Aug. 15 | Aug. 15 | 1,160 |
| 213* | 48. ROEPKE, O. B., Electricity, Conductors; Electricity, Genera Applications | July 11 | July 13 | 1,589 |
| 239 | 49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification. | Sept. 1 | Sept. 23 | 676 |
| 322 | 50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics | Aug. 5 | Aug. 5 | 1,120 |
| 240* | 51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps | Aug. 6 | Aug. 1 | 1,576 |
| 144 | 52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings. | Oct. 19 | Oct. 27 | 489 |
| 241* | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Car Shades, and Screens. | Sept. 23 | Oct. 2 | 672 |
| 102 | Designs: C. O. MARKHAM (Acting) | Nov. 18 | Dec. 2 | 375 |
| 163 | Trade-Marks, Labels, and Prints: T. L. MEAD, Jr. — Trade-Marks | Nov. 18 | Dec. 4 | 1,827 |
| | Labels and Prints | Nov. 27 | Dec. 7 | 151 |

* Refers to room numbers in the annex



# DECISIONS IN PATENT AND TRADE-MARK CASES.

## Commissioner's Decision.

EX PARTE GUINZBURG.

*Decided July 24, 1925.*

1. DESIGNS—STATEMENT AS TO IMMATERIALITY OF CONTOUR OF THE ARTICLE—OBJECTIONABLE.

Where a design application discloses an ornamented article, a statement that the design is not limited to the specific outline shown *Held* improper as an attempt to claim surface ornamentation as applied to the article named irrespective of its contour.

2. SAME—DRAWING—DOTTED LINES.

Where a design application discloses an ornamented article, *Held* that there is no objection to showing the outline of the article in dotted lines provided a complete article is shown.

ON PETITION.

Application for design patent filed March 10, 1925, Serial No. 12,677, Bathing Cap.

*Mr. Joseph L. Levy* for the applicant.

FENNING, *Assistant Commissioner:*

This is an application for a design patent and as filed showing a bathing cap having certain ornamentation thereon, the outline of the bathing cap being indicated by a dot-and-dash line. The claim is for a bathing cap.

The Examiner objected to the drawing on the ground that a complete cap was not illustrated. The applicant thereupon directed that the drawing be inked to show the outline of the cap in full line and that the following be added to the specification:

It is understood that this design is not limited to a cap having the specific outline disclosed in the drawing as the design or surface ornamentation of the cap is capable of application to caps of various outlines or shapes.

The Examiner objected to this amendment on the ground that mere surface ornamentation was not an article of manufacture and required that applicant limit his application to the particular article shown and covered by the title.

Applicant petitions that the Examiner be ordered either to allow applicant to incorporate in his specification the statement that the design is not limited to the outline of the cap shown or else permit this outline to be shown in dotted lines.

The Examiner was clearly right in objecting to the amendment to the specification. With this amendment applicant is in effect claiming the surface ornamentation shown when applied to a bathing cap of any configuration. The statute speaks of a design for an article of manufacture. There is nothing to establish that applicant has invented any other article of manufacture than that which he shows. It might be that if the surface ornamentation shown were applied to a bathing cap of an entirely different shape from that shown in the drawing an entirely different design would be presented. The question whether such design would be infringed by the patent is one to be decided by the court, if a suit is brought on the patent, and this Office should not undertake to anticipate the decision on what is the equivalent to constitute infringement of applicant's design as shown.

In so far as the drawing is concerned, the question is different. It is not seen that it is material whether the outline of the cap be shown in full lines or dotted lines, as long as a complete article is shown, so as to inform the public of the design invented and so that the Examiner will have before him in making his search a definite article of manufacture and will not have to search for a surface ornamentation, irrespective of the article on which it is applied. If the form and appearance of an article are adequately disclosed, dotted lines may be employed.

In so far as the decisions in *Ex parte Cady*, 232 O. G. 619; 1916 C. D. 57; *Ex parte Andrews*, 234 O. G. 373; 1917 C. D. 13; and *Ex parte Northwood*, 236 O. G. 889; 1917 C. D. 30, are inconsistent with the holding above made they are overruled.

The petition that the Examiner be ordered to permit the proposed statement to be incorporated in the specification is denied, and the petition that the drawing be allowed to show the outline of the cap in dotted lines, as originally presented, is granted, and the draftsman will comply with a formal request to this effect if filed by applicant.

## Court of Appeals of the District of Columbia.

IN RE STOFFREGEN.

*No. 1,750. Decided June 1, 1925.*

TREATIES—NOT SELF-EXECUTING SO FAR AS THEY RELATE TO PATENTS—TREATY OF PEACE WITH GERMANY NOVEMBER 11, 1921.

Where it appears that the Congress of the United States and the Patent Offices of this country and of Germany have proceeded upon the theory that the treaty of peace between the United States and Germany on November 11, 1921, is not self-executing so far as it relates to patents and that this theory is consistent with judicial interpretation of similar treaties, *Held* that the ruling of the Patent Office refusing to allow applicant's claims because of his German patent covering the same subject matter and granted on an application filed more than twelve months prior to the filing of his application in this country, was right, and applicant was not given an extension of six months from November 11, 1921, for filing his application in this country.

Certiorari denied Oct. 19, 1921.

APPEAL from Patent Office. Affirmed.

*Mr. A. D. Lunt, Mr. C. E. Tullar, Mr. Melville Church*, and *Mr. Wm. G. Johnson* for Stoffregen.

*Mr. T. A. Hostetler* for the Commissioner.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J:*

Appeal from concurrent decisions of the Patent Office tribunals refusing to allow appellant's claims

for a patent, on the ground that his application is barred by lapse of time, under section 4887, Revised Statutes, his German patent covering the same subject matter having been granted on an application filed more than twelve months prior to the filing of his application in this country.

The German application was filed October 11, 1915, and a patent issued thereon October 20, 1919. Appellant's present application was filed May 10, 1922, approximately six and one-half years after the filing of the German application. It is conceded that this application is barred by section 4887, Revised Statutes, and was not saved by the Nolan Act of March 3, 1921 (41 Stat. 1313), which expired September 3, 1921. Appellant contends, however, that under the treaty of peace between the United States and Germany on November 11, 1921, the time for filing in this country was extended six months from that date, within which period appellant's application was filed. In other words, it is the contention of appellant that this treaty was self-executory. The Patent Office, on the other hand, insists that the treaty requires legislation to make it effective, so far as it relates to patents.

The Nolan Act in part provided—

> that the rights of priority provided by section 4887 of the Revised Statutes, for the filing of applications for patent for inventions and designs, which rights had not expired on the 1st day of August, 1914, or which rights have arisen since the 1st day of August, 1914, shall be, and the same are hereby, extended until the expiration of a period of six months from the passage of this act in favor of the citizens of the United States or citizens or subjects of all countries which have extended, or which now extend, or which within said period of six months shall extend substantially reciprocal privileges to citizens of the United States, and such extension shall apply to applications upon which patents have been granted, as well as to applications now pending or filed within the period herein.

The object of this statute was to relieve certain applicants whose applications became abandoned during the World War. *Seror and Hoyer* v. *Dick*, No. 1670, present term; 331 O. G. 228. It will be noted that it was all-embracing in its terms, for its privileges are extended to "citizens of the United States or citizens or subjects of *all countries*" which have or within the period specified may extend reciprocal privileges to citizens of the United States.

On July 2, 1921, the state of war between the United States and the Imperial German Government was terminated by joint resolution and a treaty of peace signed in Berlin on August 25th, following. On July 14, 1921, there was published in the Reichs-Gesetzblatt, in Berlin, an act extending such reciprocal privileges to American citizens until September 3, 1921, the date mentioned in the Nolan Act. It thus appears that German citizens received the benefits of the Nolan Act.

That Germany entertains the same view as does our Patent Office regarding the effect of the treaty of peace with the United States, so far as it relates to patents, is evident from the fact that it has accorded no extension to citizens of the United States beyond September 3, 1921, specified in the Nolan Act. In a decision on German Patent No. 259,398, in the annulment department of the German Patent Office, reported in Blatt für Patent-Muster- und Zeichenwesen for March 31, 1923, page 33, it was held that the treaty of peace did not, ipso facto, grant extensions to American citizens. This view was in direct conflict with that urged by appellant here. Although appeal is provided from such a decision to the appeal department and thence to the Reichsgericht, (Supreme Court at Leipzig), apparently no appeal from this decision was prosecuted, so that it may be assumed that the ruling of the patent court was in harmony with the policy of the German Government. Appellant, therefore, is here claiming a privilege not granted to American citizens under German laws, and, so far as appears, not claimed by the nationals of any other country.

Substantially the same question here involved was passed upon by this court in *Rousseau* v. *Brown*, 21 App. D. C. 73. Rousseau, a citizen of France, relied upon an application filed in France prior to the earliest date established by Brown, and claimed this right under the provisions of the International Convention for the Protection of Industrial Property concluded at Paris on March 20, 1883. The United States, although a party to that convention, had enacted no legislation to effectuate its provisions, and this court said:

> The convention is in the nature of a contract between the parties thereto, and is not self-executing. It requires the action of Congress to give it full force and effect. This is the construction that has been placed upon it by most of the parties to it, and they have adopted legislation giving effect to it; • • • But without regard to the action of other states, the uniform construction of that convention by the Patent Office officials, and by the courts of this country, has been that the convention is not self-executing, but requires the aid of an act of Congress.

In *Cameron Septic Tank Co.* v. *Knoxville*, 227 U. S. 39, the Cameron United States application expired on the date of his British patent, unless saved by the treaty of Brussels. The court ruled that this treaty should be construed in accordance with the declarations of Congress and that it was not self-executing. In concluding its opinion the court said:

> If the treaty be construed, as we think it must be construed, in accordance with the declaration of the conference at the instance of the American delegates, it has no application to the Cameron patent. If it be not self-executing, as it is certainly the sense of Congress that it was not and seems also to be the sense of some of the other contracting nations, and as the act of 1903 did not make effective article 4bis, the provisions of sec. 4887 apply to the Cameron patent, and caused it to expire with the British patent for the same invention.

In the present case, it appears that the Congress of the United States, and the Patent Offices of this country and of Germany, have proceeded upon the theory that the treaty relied upon by appellant is not self-executing, and that this theory is consistent with judicial interpretation of similar treaties. We therefore hold that the ruling of the Patent Office was right, and accordingly affirm the decision.

Affirmed.



## Adhesion of Free State of Ireland to International Convention for the Protection of Industrial Property.

U. S. PATENT OFFICE,
*Washington, Dec. 16, 1925.*

The following communication, referred to this Office by the Secretary of Commerce, is published for the information of those concerned.

THOMAS E. ROBERTSON,
*Commissioner.*

DEPARTMENT OF STATE, *Washington, Dec. 8, 1925.*

The honorable the SECRETARY OF COMMERCE.

SIR: I have the honor to inclose for your information and that of the Commissioner of Patents a translation of a note from the Minister of Switzerland concerning the adherence of the Free State of Ireland to the Convention for the Protection of Industrial Property, signed at Paris, March 20, 1883, revised at Brussels on December 14, 1900, and at Washington on June 2, 1911. It will be observed that the Irish Government desire to be put in the third class with regard to its quota in the expenses of the International Bureau, and that the adherence of that Government will take effect on December 4, 1925.

I have the honor to be, sir, your obedient servant,
For the Secretary of State:
LELAND HARRISON,
*Assistant Secretary.*

## ADJUDICATED PATENTS.

(C. C. C. A. N. Y.) The Scott & Williams patent, No. 1,233,714, for seamless stocking having structural variation imitative of seam in full-fashioned stocking *Held* invalid. *Scott & Williams* v. *Aristo Hosiery Co.*, 7 F. (2d) 1003.

## ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,500,076, W. E. Holland, Battery plate and process of making same, decided November 21, 1925, claims 1 and 3.

Pat. 1,503,124, J. J. Hoppes, Hydroelectric power plants, decided December 4, 1925, claim 10.

## PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

917,506, H. K. Whitner, Safety support for window cleaners; 969,111, F. Nevins, Anchor belt; 1,026,562, W. A. Cherry, Anchor for safety belts, suit filed Oct. 29, 1925, D. C., N. D. Calif., Doc. E 5148, *Peerless Safety Device Co.* v. *Western Brass Mfg. Co.*

969,111. (See 917,506.)

973,163, E. Burhorn, Cooling tower, consent order of discontinuance filed Oct. 29, 1925, D. C., S. D. N. Y., Doc. E 28/388, *E. Burhorn et al.* v. *Reid Ice Cream Co.*

980,413, A. E. Grochan, Decree for plaintiff holding claims 1 and 2 infringed, injunction granted (notice dated Oct. 28, 1925), D. C., W. D. Mich. (S. Div.), Doc. 2025, *Winters, Stryker & Crampton* v. *Grand Rapids Brass Co.*

1,018,502, Just & Hanaman, Manufacture of incandescent electric lamps; 1,180,159, I. Langmuir, Incandescent electric lamp, stipulation for and order dismissing appeal, Oct. 20, 1925, C. C. A., 8th Cir. (St. Louis), Doc. 6962, *Minneapolis Electric Lamp Co.* v. *General Electric Co.*

1,026,562. (See 917,506.)

1,065,668, G. W. Dunham, Automobile; 1,202,441, C. W. Small, Protective mat for use with automobiles, suit filed Oct. 24, 1925, D. C., S. D. Ohio (E. Div.), Doc. 409, *Durkee-Atwood Co.* v. *The J. P. Gordon Co. et al.*

1,074,720, H. Honigmann, Automatic feeding device for printing presses; 1,363,200, Wells & Hunter, Automatic feed and delivery for platen presses, claims 13 to 17 of Patent 1,363,200 held valid, claims 1, 2, 10, 21, and 22 of Patent 1,074,720 held valid, decree of lower court affirmed (notice dated Oct. 30, 1925), C. C. A. (3d Cir.), Doc. 3209, *Miehle Printing Press & Mfg. Co. et al.* v. *Miller Saw-Trimmer Co.*, and Doc. 3210, *Miller Saw-Trimmer Co.* v. *Miehle Printing Press & Mfg. Co. et al.*

1,107,193, 1,159,740, 1,179,068, J. R. Bray, Process and article for producing moving pictures; 1,143,542, E. Hurd, same, suit filed Oct. 29, 1925, D. C., S. D. N. Y., Doc. E 34/200, *Bray Hurd Process Co., Inc.*, v. *A. A. Studios, Inc.*, and Doc. E 34/201, *Bray Hurd Process Co. Inc.*, v. *Fable Pictures, Inc., et al.*

1,143,542. (See 1,107,193.)

1,159,740. (See 1,107,193.)

1,177,128, M. E. Moeller, Hydrometer; 1,331,165, same, Hydrometer syringe, suit filed Oct. 30, 1925, D. C., M. D. Pa., Doc. 482, *A. E. Moeller et al.* v. *Scranton Glass Instrument Co., Inc.*

1,179,068. (See 1,107,193.)

1,180,159. (See 1,018,502.)

1,198,090, 1,198,091, T. L. White, Transmission band, suit filed Aug. 19, 1925, D. C., E. D. N. Y., Doc. 2226, *Parks & Bohne, Inc.*, v. *Mechanical Metal Stamping Co., Inc., et al.*

1,198,091. (See 1,198,090.)

1,202,441. (See 1,065,668.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Oct. 24, 1925, D. C., S. D. N. Y., Doc. E 34/181, *The Bassick Mfg. Co.* v. *W. J. Hunter (Hunter Auto Equipment Co.).*

1,307,734. (See 1,307,733.)

1,331,165. (See 1,177,128.)

1,363,200. (See 1,074,720.)

1,392,539, C. M. Tipograph, Sweat band, suit filed Oct. 24, 1925, D. C., S. D. N. Y., Doc. E 34/182, *Tipograph Patented Sweat Band Corp.* v. *J. Nish (Progressive Leather Sweats Co.).*

1,420,612, A. Vanderveld, Measuring and computing machine; 1,443,332, same, Cloth or ribbon meas-

uring machine, suit filed Oct. 26, 1925, D. C., S. D. Ohio (W. Div.), Doc. E 398, *A. Vanderveld et al.* v. *The Rollman & Sons Co.*

1,443,332. (See 1,420,612.)

1,499,933, H. C. Jones, Metallic fencepost, suit filed Oct. 29, 1925, D. C., S. D. Ohio (E. Div.), Doc. 410, *Inland Steel Co.* v. *The Cambridge Steel Products Co.*

## TRADE-MARKS CANCELED.

135,400. Scrim. Boutwell Fairclough & Gold Inc., (now by change of name Fairclough & Gold, Inc.,) Boston, Mass. Registered October 12, 1920. Canceled December 7, 1925.

174,018. Leather preservative. George L. Reish, Mifflinburg, Pa., assignor to Robert V. Foster, Mifflinburg, Pa. Registered October 2, 1923. Canceled November 18, 1925.

178,581. Candy. C. F. Blanke Candy Company, branch of C. F. Blanke Tea & Coffee Company, St. Louis, Mo. Registered January 15, 1924. Canceled December 7, 1925.

189,574. Macaroni. The New Haven Bread Co., New Haven, Conn. Registered September 23, 1924. Canceled December 7, 1925.

195,967. Candy. Chocolate Products Company, Wilmington, Del., and Baltimore, Md. Registered March 3, 1925. Canceled December 7, 1925.

## Changes in Classification.

Order No. 2940, December 11, 1925, provides:

In *class 188, Brakes* (Division 47), establish the following subclass and definition, the patents contained in this subclass having been taken for the most part from class 74, Machine Elements, subclass 118, Cranks and levers, Railway type, Rotating, Locking ratchet:

Wheel
One way
81.1 Brake-staff stops.

81.1. WHEEL, ONE WAY, BRAKE-STAFF STOPS. Stops, usually ratchets, applied to the brake staff to prevent retrograde motion.

In *class 192, Clutches and Power-Stop Control* (Division 47), establish the following subclasses and definitions, the patents contained in subclass .01 having been taken for the most part from class 74, Machine Elements, subclass 107, Combined motor and transmission control, those contained in subclass .02 having been taken from class 172, Electricity, Motive Power, subclass 179, Motors, Hand operating devices, and those contained in subclasses 43.1, 43.2, 45.1, and 45.2 having been taken for the most part from class 74, Machine Elements, subclasses 16, Pawls and ratchets, 53, Intermittent-grip devices, and 54, Intermittent-grip devices, Ratchet:

.01 Motor control and clutch
.02 Electric motor.
Clutches
Automatic
One-way engaging
Reversible
43.1 Pivoted pawls.
43.2 Slidable pawls.
45.1 Wedging pawl or block.
45.2 Two-point gripper.

.01. MOTOR CONTROL AND CLUTCH. Mechanism for the joint control of a motor and clutch.

Note.—Patents showing this combination even though including other controlled devices are placed in this subclass or the subclass indented thereunder and cross-referenced into other subclasses found below in this class.

Note.—For patents showing combined motor control and transmission control see class 74, MACHINE ELEMENTS, subclass 107, Combined motor and transmission control.

.02. MOTOR CONTROL AND CLUTCH, ELECTRIC MOTOR. Where, in the combination as defined in subclass .01, the motor is electric.

Note.—This subclass includes the motor where it is conventional or is broadly claimed.

Search Class—
179—ELECTRICITY, MOTIVE POWER, for patents claiming this combination where the motor is modified to effect its control.

43.1. CLUTCHES, AUTOMATIC, ONE-WAY ENGAGING, REVERSIBLE, PIVOTED PAWLS. A one-way reversible clutch in which the engaging elements are pivoted pawls, each set of pawls comprising a pair of oppositely-directed pivoted pawls, which may be an integral single member.

Search Class—
142—WOODWORKING TOOLS, subclass 72, Bitstocks, Ratchet, Pivoted pawls.

43.2. CLUTCHES, AUTOMATIC, ONE-WAY ENGAGING, REVERSIBLE, SLIDABLE PAWLS. A one-way reversible clutch in which the engaging elements are slidable pawls.

Search Class—
142—WOODWORKING TOOLS, subclasses 73, Bitstocks, Ratchet, Sliding pawls, and 74, Bitstocks, Ratchet, Sliding pawls, Changeable face.

45.1. CLUTCHES, AUTOMATIC, ONE-WAY ENGAGING, WEDGING PAWL OR BLOCK. One-way clutches in which the engaging element is a wedging pawl or block.

45.2. CLUTCHES, AUTOMATIC, ONE-WAY ENGAGING, TWO-POINT GRIPPER. One-way clutches in which the engaging element has a two-point frictional gripping contact.

## Disclaimers.

1,293,855.—*Robert Michle*, Chicago, Ill. COMBINATION TWO-COLOR AND PERFECTOR PRINTING PRESSES. Patent dated February 11, 1919. Disclaimer filed December 5, 1925, by the patentee.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

*40. A rotary printing press including a printing couple having two cylinders; a driving gear for driving each cylinder; and registering mechanism having an element connected with each of said cylinders, one of said cylinders having a ledge engaging the base of the registering element connected with this cylinder.*

1,488,479.—*Sidney G. Down*, Pittsburgh, Pa. FLUID-PRESSURE BRAKE. Patent dated April 1, 1924. Disclaimer filed December 1, 1925, by the assignee, *The Westinghouse Air Brake Company.*

Hereby enters this disclaimer to the claims of the said Letters Patent, as follows:

*1. In a locomotive brake equipment, the combination with a primary reservoir adapted to be charged with fluid under pressure, a secondary reservoir, and a reducing valve device through which fluid under pressure is supplied at a reduced pressure from the primary reservoir to the secondary reservoir, of a brake pipe and a brake valve device having a release position in which fluid under pressure is supplied from the secondary reservoir to the brake pipe.*

*2. In a locomotive brake equipment, the combination with a reservoir charged with fluid at the pressure normally carried in the brake system, of a brake pipe and a brake valve device having a release position in which fluid under pressure is supplied from said reservoir to the brake pipe.*

*3. The method of controlling the release of fluid pressure brakes which consists in supplying fluid to the brake valve device directly from a reservoir containing fluid at the pressure normally carried in the brake system and in moving the brake valve handle to a position in which fluid is supplied from the reservoir to the brake pipe and then allowing the handle to remain in said position so long as the brakes are released.*

# TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 29, 1925.

[VOL. 341. No. 5.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 171,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. F. BECKMANN & COMPANY, INC., New York, N. Y., assignors to August F. Beckmann, New York, N. Y. Filed Nov. 4, 1922.

The color lines in the crown indicate red.
*Particular description of goods.*—Olive Oil.
*Claims use* since March, 1915.

Ser. No. 171,626. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE CRAWFORD, MCGREGOR & CANBY COMPANY, Dayton, Ohio. Filed Nov. 6, 1922.

*Particular description of goods.*—Golf Clubs.
*Claims use* since 1913.

Ser. No. 179,284. (CLASS 38. PRINTS AND PUBLICATIONS.) STEVENS & WALLIS, (INCORPORATED), Salt Lake City, Utah. Filed Apr. 16, 1923.

**ADVERTISING and PRINTING**
*"That Hits the Mark"*

No claim is made to the words "Advertising and Printing" apart from the mark as shown.

*Particular description of goods.*—Plans, Copy, Lay-Outs, Sketches, Drawings, Printed Signs, Cuts, Engravings, Magazines, House Organs, Catalogues, Booklets, Pamphlets, Folders, Placards, Car Cards, Printed Labels and Stickers, and School Annuals.

*Claims use* since June 1, 1921.

Ser. No. 185,295. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. M. GUGGENHEIMER, INC., Lynchburg, Va. Filed Sept. 4, 1923.

SEE-EM-GEE

*Particular description of goods.*—Cotton Suitings and Cotton Ginghams.

*Claims use* since July 1, 1923.

Ser. No. 188,203. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) VERNE GILLMORE, doing business as St. Paul Physico-Clinical Laboratory, St. Paul, Minn. Filed Nov. 10, 1923.

*Vibr-O-Phone*

*Particular description of goods.*—Devices for Testing Apparatus for Treatment by Electronic Reactions.

*Claims use* since Aug. 27, 1923.

Ser. No. 188 358. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BLUE BEAVER COAL CO. INC., Detroit, Mich., assignor to Blue Beaver Elkhorn Fuel Company, Inc., Detroit, Mich. Filed Nov. 15, 1923.

The word "Coal" is disclaimed apart from the other features of the mark.

*Particular description of goods.*—Coal.

*Claims use* since about June 27, 1910.

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Ser. No. 189,519. (CLASS 38. PRINTS AND PUBLICATIONS.) PRUDENCE-BONDS CORPORATION, New York, N. Y. Filed Dec. 11, 1923.

*Particular description of goods.*—A House Newspaper, Being a Periodical Publication Published About Every Two Months.

*Claims use* since Oct. 27, 1923.

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Ser. No. 198,238. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARVEY HUBBELL, INCORPORATED, Bridgeport, Conn. Filed June 7, 1924.

SIGNALITE

No registration rights are claimed in the words "Signal Light" except in the form shown; but applicant waives none of its common-law rights.

*Particular description of goods.*—Electric Signal Lamps for Electric Plugs and Lamp-Carrying Electric Caps and Electric-Lamp Call Systems.

*Claims use* since May, 1924.

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Ser. No. 201,637. (CLASS 38. PRINTS AND PUBLICATIONS.) SIDNEY J. WOLF, San Francisco, Calif. Filed Aug. 19, 1924.

SIDE-LINES

*Particular description of goods.*—A Section of a Magazine.

*Claims use* since Aug. 1, 1924.

Ser. No. 202,496. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT ATLANTIC & PACIFIC TEA COMPANY, Jersey City, N. J. Filed Sept. 11, 1924.

The lining on the drawing represents the color red.

*Particular description of goods.*—Prepared Foods, Specifically Farina, and the Following Canned Foods—Namely, Salmon, Tunny, Evaporated Milk, Squash, Asparagus, Peaches, Tomatoes, Lima Beans, Succotash, Peas, Apple Sauce, Cherries, Corn, Tiny Peas, Early Variety Peas, Pork and Beans, Golden Bantam Corn, Crushed Pineapple, Loganberries, Red Raspberries, Sliced Pineapple, Stringless Beans, Asparagus Tips, Apricots, Spinach, Bartlett Pears, Beets, Pumpkin, Bird Food, Gelatin, Cocoa, Salad Oil Pressed from Cottonseed, Turmeric, Vinegar, Ground Ginger, Mace, Cloves, Nutmeg, Allspice, White Pepper, Cayenne Pepper, Red Pepper, Mustard, Cinnamon, Curry Powder, Raspberry Preserves, Condensed Milk, Egg Noodles, Elbow Macaroni, Spaghetti, Corn Meal, Rice, Tapioca, Stuffed Olives, Apple Butter, Sliced Beef, Celery Salt, Cornstarch, Barley, Tomato Catchup, Flavoring Extracts for Foods, Honey, Peanut Butter, Grape Jelly, Strawberry Preserves, Currant Jelly, Quince Jelly, Crabapple Jelly.

*Claims use* since September, 1919.

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Ser. No. 203,696. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SCHWARZENBACH HUBER CO., West Hoboken, N. J. Filed Oct. 10, 1924.

SILK
Broadcloth

Without waiving any common-law rights no claim is made to the words "Silk" and "Broadcloth" except in the combination shown.

*Particular description of goods.*—Broad Silks in the Piece.

*Claims use* since Nov. 24, 1911.



Ser. No. 203,816. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. A. HORMEL & CO., Austin, Minn. Filed Oct. 13, 1924.

Dairy

*Particular description of goods.*—Sliced Bacon, Bacon, Ham, Cooked Vinegar-Pickled Hearts, Cooked Vinegar, Pickled Pig's Feet, Cooked Vinegar-Pickled Pork Hocks, Cooked Vinegar-Pickled Tongues, Lard, Pork Sausage Meat, Pork Sausage, Wiener-Style Sausage, Frankfurter-Style Sausage, Sliced Dried Beef.

*Claims use* since Mar. 5, 1903.

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Ser. No. 203,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. A. HORMEL & CO., Austin, Minn. Filed Oct. 13, 1924.

Dairy Brand

No claim is made for the word "Brand" except as associated with the word "Dairy."

*Particular description of goods.*—Sliced Bacon, Bacon, Ham, Cooked Vinegar-Pickled Hearts, Cooked Vinegar-Pickled Pig's Feet, Cooked Vinegar-Pickled Pork Hocks, Cooked Vinegar-Pickled Tongues, Lard, Pork Sausage Meat, Pork Sausage, Wiener-Style Sausage, Frankfurter-Style Sausage, Sliced Dried Beef.

*Claims use* since Mar. 5, 1903.

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Ser. No. 203,933. (CLASS 37. PAPER AND STATIONERY.) THE BINGHAM COMPANY, INCORPORATED, Philadelphia, Pa. Filed Oct. 16, 1924.

BING!

*Particular description of goods.*—Loose-Leaf Binders.

*Claims use* since Jan. 19, 1924.

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Ser. No. 204,773. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INTERNATIONAL MOTOR COMPANY, New York, N. Y. Filed Nov. 3, 1924.

GREAT COACH

No claim is made to the word "Coach" apart from its significance in the mark, nor is any claim made to the designation "Great Coach" as historically used to describe the royal conveyance of the King of England.

*Particular description of goods.*—Busses, Trucks, and Chassis Therefor.

*Claims use* since Oct. 1, 1924.

Ser. No. 205,121. (CLASS 46. FOODS AND INGREDIENST OF FOODS.) INDUSTRIA MARMELLATE E CONSERVE ALIMENTARI, Voghera, Italy. Filed Nov. 11, 1924.

*Particular description of goods.*—Preserved Fruits.

*Claims use* since 1923.

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Ser. No. 205,122. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDUSTRIA MARMELLATE E CONSERVE ALIMENTARI, Voghera, Italy. Filed Nov. 11, 1924.

*Particular description of goods.*—Preserved Fruits.

*Claims use* since 1923.

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Ser. No. 205,674. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARNA COMPANY, INC., New York, N. Y. Filed Nov. 22, 1924.

TWILLS

*Particular description of goods.*—Cakes.

*Claims use* since 1919.

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Ser. No. 205,887. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RECORD-O-PHONE COMPANY, Washington, D. C. Filed Nov. 25, 1924.

Applicant disclaims "Radio-Recorder" and "Magnetic Sound Recorder and Producer" and the representation of the goods apart from the mark shown.

*Particular description of goods.*—Machines for Electromagnetically Recording and Reproducing Sound.

*Claims use* since Nov. 19, 1924.

Ser. No. 206,025. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PRAGLER-GAULBERT CO., Louisville, Ky. Filed Nov. 29, 1924.

MILITE

*Particular description of goods.*—Ready-Mixed Paints.
*Claims use* since 1919.

Ser. No. 206,487. (CLASS 39. CLOTHING.) LUSTBERG, NAST & CO., New York, N. Y. Filed Dec. 9, 1924.

BUCKSKEIN

*Particular description of goods.*—Dress and Negligee Shirts.
*Claims use* since May 1, 1923.

Ser. No. 206,626. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LA FRANCE ART COMPANY, Philadelphia, Pa. Filed Dec. 12, 1924.

The exclusive right to the word "La France" is herein disclaimed apart from the mark shown in the drawing, without, however, waiving any common-law rights thereto.

*Particular description of goods.*—Tapestry, Pictures, or Hangings Woven of Textile Fabrics.
*Claims use* since January, 1923.

Ser. No. 206,726. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILTON R. DUDLEY, Chicago, Ill. Filed Dec. 15, 1924.

Voltone

*Particular description of goods.*—Audio-Frequency Transformers.
*Claims use* since Oct. 11, 1924.

Ser. No. 208,217. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE C. W. ARCHER SHOE CO., Cincinnati, Ohio. Filed Jan. 17, 1925.

Arch-er-graph

*Particular description of goods.*—Hand Tool Identified as a Tracer for Tracing the Outline of an Object and Principally Used in Tracing the Outline of the Human Foot for Determining Shoe Size.
*Claims use* since Nov. 28, 1924.

Ser. No. 208,479. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHARMACIA GYÓGYSZER VEGYÉSZETI GYAR, GYÓGYÁRUNAGYKERESKEDÉS, R. T., Budapest, Hungary. Filed Jan. 22, 1925.

VÉTÓ

*Particular description of goods.*—Liquid Prophylactic Substance Applied Externally for Protection Against Sexual Diseases.
*Claims use* since May 25, 1920.

Ser. No. 208,739. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUTOMATIC RADIO CORPORATION OF AMERICA, Wilmington, Del. Filed Jan. 28, 1925.

RADIO AUTOMAT

No claim is made to the word "Radio" apart from the mark as shown.

*Particular description of goods.*—Radio Receiving Sets.
*Claims use* since Jan. 10, 1925.

Ser. No. 209,460. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Feb. 12, 1925. Under section 5b of the act of 1905 as amended in 1920.

Brunswick

*Particular description of goods.*—Radio Products—Namely, Receiving Sets and Parts Thereof, Antennæ, Radio Lightning Arresters, Batteries, Battery Chargers, Battery Switches, Binding Posts, Inductance Coils, Loading Coils, Coil Mounts, Variable Condensers, Fixed Condensers, Galena Crystals, Silicon Crystals, Synthetic Crystals, Crystal Detectors, Dials, Grid Leaks, Grid Condensers, Jacks, Knobs, Loops, Sockets, Transformers, Variocouplers, Variometers, Loud Speakers, Panels of Hard Rubber, Panels of Bakelite, Phones, Potentiometers, Rheostats, Phone Plugs, Rectifiers for Battery Charging, and Loud-Speaker Horns.
*Claims use* since Aug. 6, 1923.



Ser. No. 209,725. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE DUEBER-HAMPDEN WATCH COMPANY, Canton, Ohio. Filed Feb. 17, 1925. Under ten-year proviso.

DUEBER W.C. Co

*Particular description of goods.*—Watchcases.
*Claims use* since July 2, 1894.

Ser. No. 209,990. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOSEPH KOLLATH, Schenectady, N. Y. Filed Feb. 21, 1925.

KOLITE

*Particular description of goods.*—Electrical Display Signs, Such as are Used for Outdoor Advertising Purposes.
*Claims use* since June, 1923.

Ser. No. 210,005. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE MONPELAS STEINFELS FRÈRES & CO., Vincennes, France. Filed Feb. 21, 1925.

The printed matter, with the exception of the word "Luyna," is disclaimed when used apart from the trade-mark shown.

*Particular description of goods.*—Perfumed Face Powder.
*Claims use* since Sept. 15, 1924.

Ser. No. 210,258. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED MILLS LTD., New Westminster, British Columbia, Canada. Filed Feb. 27, 1925.

No claim is made to the representation of a bundle of shingles or words used therewith as a trade-mark apart from their particular association in the present mark.

*Particular description of goods.*—Wood Shingles.
*Claims use* since Feb. 1, 1925.

Ser. No. 210,397. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HARRY D. MORGAN, San Francisco, Calif. Filed Mar. 2, 1925.

NEXT DOSE

*Particular description of goods.*—Dosage Spoons.
*Claims use* since Oct. 15, 1924.

Ser. No. 211,206. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALLAN T. HANSCOM, Woonsocket, R. I. Filed Mar. 18, 1925.

SUPERUNIT

No claim is made to "Unit" except in connection with the rest of the mark.

*Particular description of goods.*—Radio Receiving Sets and Parts Thereof.
*Claims use* since Oct. 28, 1924.

Ser. No. 211,351. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL MALT SALES CO., Cincinnati, Ohio. Filed Mar. 20, 1925.

*Particular description of goods.*—Malt Sirup and Extract of Barley Malt for Food Purposes.
*Claims use* since Jan. 2, 1925.

Ser. No. 211,423. (CLASS 39. CLOTHING.) OHRBACH'S AFFILIATED STORES INC., New York, N. Y. Filed Mar. 21, 1925.

Ohrbach's

No claim is made to the exclusive use of the surname except in the distinctive presentation shown in the drawing.

*Particular description of goods.*—Ladies' and Misses' Costumes in One, Two, and Three Piece Garments.

*Claims use* since Feb. 11, 1925.

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Ser. No. 211,642. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WELDA WARE PRODUCTS COMPANY, Erie, Pa., assignor to C. Bruno & Son, New York, N. Y., a Corporation of New York. Filed Mar. 25, 1925.

MAXITONE

*Particular description of goods.*—Resonators for Banjos and Musical Instruments.

*Claims use* since July 24, 1924.

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Ser. No. 213,098. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NORTHWESTERN RADIO MFG. COMPANY, Portland, Oreg. Filed Apr. 21, 1925.

NORCO

*Particular description of goods.*—Radio Receiving Sets and Parts Thereof—Namely, Dials, Knobs, Audiotransformers, Radiotransformers, Variometers, Couplers, Sockets, and Speakers.

*Claims use* since Jan. 1, 1924.

Ser. No. 213,114. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) AARON BURDWISE, Baltimore, Md. Filed Apr. 22, 1925.

Piano-ette

*Particular description of goods.*—Accordions, Pianos, Zithers, Banjos, Guitars, Mandolins, and Ukuleles.

*Claims use* since Apr. 20, 1924.

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Ser. No. 213,146. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RADIUM REMEDIES COMPANY, Helena, Mont. Filed Apr. 22, 1925.

PYRADIUM

*Particular description of goods.*—Preparation for Pyorrhea.

*Claims use* since April, 1923.

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Ser. No. 213,200. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SOUDER COMPANY, INC., Ardmore, Pa. Filed Apr. 23, 1925.

SAFE BRAND
THE SOUDER CO. INC.
ARDMORE PA.
TRADE MARK

The words appearing in the drawing, except the word "Safe," are hereby disclaimed except in the form and association shown.

*Particular description of goods.*—Oil Colors, Turkey Red, Lampblack, American Vermillion, Cobalt Blue, Indian Red, Bulletin Red, Drop Black, Bronze Green, Flat Brick Red, Flake White, Metallic Brown, Raw Umber, Umber, Raw Sienna, Burnt Sienna, Rose Pink, Varnish Remover, General-Purpose Varnish, Prepared Shellac, Putty.

*Claims use* since Dec. 1, 1924.



Ser. No. 213,291. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FIBROC INSULATION COMPANY, Valparaiso, Ind. Filed Apr. 25, 1925.

Fibroc

*Particular description of goods.*—Composite Material Consisting of Fibrous Material and a Condensation-Product Binder.

*Claims use* since Jan. 21, 1921.

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Ser. No. 213,665. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE OWENS BOTTLE COMPANY, Toledo, Ohio. Filed May 1, 1925.

SQUARE O SEALS

Applicant makes no claim to the words "Square Seals" apart from the mark shown on the drawing.

*Particular description of goods.*—Caps or Closure Devices for Bottles and Other Containers.

*Claims use* since Mar. 31, 1924.

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Ser. No. 213,709. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EDWARD M. HILL, doing business as Edward M. Hill & Co., New York, N. Y. Filed May 2, 1925.

Turkish Maid

*Particular description of goods.*—Turkish Towels, Terry Cloths, Turkish Face Cloths, Turkish Bath Mats, Turkish Bath Sheets, Terry Robings, and All Terry Piece Goods.

*Claims use* since Mar. 16, 1925.

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Ser. No. 213,722. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL PNEUMATIC COMPANY, New York, N. Y. Filed May 2, 1925.

NP

*Particular description of goods.*—Electrical Safety Signaling Lights and Systems of Lights and Semaphores, Electrical Door Motors, Electrical Control Apparatus for Door Operation, Electrical Control Apparatus for Door and Step Operation, Electrical Step-Operating Motors.

*Claims use* since Jan. 1, 1925.

Ser. No. 214,588. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) DOROTHY W. DAY, Chicago, Ill. Filed May 20, 1925.

HUMIDAIR

*Particular description of goods.*—Radiator Cupboards and Radiator Closets.

*Claims use* since Apr. 15, 1925.

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Ser. No. 215,226. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WRIGHT CORPORATION, San Francisco, Calif. Filed June 2, 1925.

The surname "Wright" and the descriptive notations "Grown," "Selected," "Packed," and "Quality" are herewith disclaimed apart from other features of the trademark.

*Particular description of goods.*—Fresh Asparagus.

*Claims use* since Mar. 1, 1925.

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Ser. No. 215,693. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE HOMAN MANUFACTURING COMPANY, Cincinnati, Ohio. Filed June 12, 1925.

SANI-TITE

*Particular description of goods.*—Silver-Plated Bottle-Shaped Cocktail Shakers and Beverage Mixers.

*Claims use* since Oct. 10, 1924.

Ser. No. 215,713. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. L. STIFEL & SONS, Wheeling, W. Va. Filed June 12, 1925.

STIFEL

*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since October, 1924.

Ser. No. 215,760. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. L. STIFEL & SONS, Wheeling, W. Va. Filed June 13, 1925.

J. L. STIFEL & SONS
TELA DE
STIFEL
STIFEL
CON
LA BOTA
WHEELING, W. VA. U. S. A.

No claim is made to the descriptive or geographical words or abbreviations shown in the drawing except in association with the other features of the mark, without, however, waiving any common-law right to the use of the same to form the complete mark.
*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since Apr. 24, 1924.

Ser. No. 215,989. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LENTHERIC, INC., New York, N. Y. Filed June 18, 1925.

AMBRE MOUSSE

No claim is made to the exclusive right to the use of the words in any combination other than the combination "Ambre Mousse."
*Particular description of goods.*—Toilet Soap.
*Claims use* since Mar. 1, 1925.

Ser. No. 216,000. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) TYREE AUTO RADIATOR MFG. CO., Chicago, Ill. Filed June 18, 1925.

BALLOON
AUTOMOBILE
CORES AND RADIATORS

No claim is made to the words "Automobile Cores and Radiators" or "Above All in Value" or to the representation of a radiator when used apart from the remainder of the mark.
*Particular description of goods.*—Automobile Radiators and Radiator Cores.
*Claims use* since about Oct. 1, 1924.

Ser. No. 216,047. (CLASS 39. CLOTHING.) THE ISBELL-KENT-OAKES DRY GOODS COMPANY, Denver, Colo. Filed June 19, 1925.

BELKO
BRAND

Applicant disclaims exclusive use of the words "Brand" and "Trade-Mark" apart from the mark shown.
*Particular description of goods.*—Overalls, Jumpers, Work Pants, Corduroy Pants, Work Shirts, Dress Shirts, Flannel Shirts, Blazers, Knit-Bottom Jackets, Men's Hosiery, Ladies' Hosiery, Children's Hosiery, Men's Underwear, Knitted and Textile Underwear, Ladies' Underwear, Girls' Underwear, Children's Underwear, Sweaters, and Suspenders.
*Claims use* since Mar. 1, 1925.



Ser. No. 216,108. (CLASS 39. CLOTHING.) LONG'S HAT STORES, New York, N. Y. Filed June 20, 1925.

Cravenette Processed
SHELTER-CAP

No claim is made to the exclusive use of the words "Cravenette Processed Cap" apart from the mark as shown in the drawing, without, however, waiving the common-law rights to the use of these words to form the complete mark.
*Particular description of goods.*—Men's Caps.
*Claims use* since Feb. 1, 1924.

Ser. No. 216,109. (CLASS 39. CLOTHING.) LONG'S HAT STORES, New York, N. Y. Filed June 20, 1925.

LONG'S
Aristocap
custom-tailored
Exclusive

No claim is made to the exclusive use of the words "Exclusive," "Fabrics," and "Long's Custom-Tailored" apart from the mark as shown in the drawing, without waiving any common-law right to the use of the words to form the complete mark.
*Particular description of goods.*—Caps.
*Claims use* since Feb. 1, 1924.

Ser. No. 216,280. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. Filed June 23, 1925.

PHENOLITE

*Particular description of goods.*—Laminated Fabricated Material for Electrical Insulation.
*Claims use* since Mar. 1, 1925.

Ser. No. 216,700. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) UNIVERSAL WILLOW & REED WARE COMPANY INCORPORATED, Long Island City, N. Y. Filed June 30, 1925.

UNIVERSAL
WILLOW & REED WARE CO
LONG ISLAND CITY
N. Y.

Consisting of the word "Universal" and representation of a globe, the corporate title "Universal Willow & Reed Ware Co." forming no part of applicant's trademark.
*Particular description of goods.*—Fiber Woven Fabric.
*Claims use* since Nov. 17, 1919.

Ser. No. 216,725. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) IDEAL RADIOTELEFON- & APPARATE-FABRIK G. M. B. H. (VERKAUFSBURO), Berlin, Germany. Filed July 1, 1925.

Blaupunkt

*Particular description of goods.*—Head Phones, Earpieces, Detectors of Crystal, Coils, Crystals, Receiving Sets, Amplifiers in the Nature of Loud Speakers and Loud-Speaker Horns, Rheostats, Dials, Condensers, Connecting Boards, Variometers, Coil Holders.
*Claims use* since Jan. 30, 1924.

Ser. No. 217,163. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed July 10, 1925.

RUN OF THE GARDEN

*Particular description of goods.*—Canned Vegetables.
*Claims use* since August, 1912.

Ser. No. 217,286. (CLASS 12. CONSTRUCTION MATERIALS.) NEW YORK METAL STORE FRONTS CO., INC., New York, N. Y. Filed July 13, 1925.

YORK NEW YORK METAL STORE FRONTS CO. INC.

All wording is disclaimed apart from the mark shown on the drawing.
*Particular description of goods.*—Store-Window Construction.
*Claims use* since Apr. 5, 1924.

Ser. No. 217,454. (CLASS 38. PRINTS AND PUBLICATIONS.) FAMOUS FEATURES SYNDICATE, INC., New York, N. Y. Filed July 16, 1925.

Zoë Beckley's Corner

*Particular description of goods.*—Newspaper Feature Articles.
*Claims use* since Dec. 1, 1924.

Ser. No. 217,472. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) LINK-BELT COMPANY, Chicago, Ill. Filed July 16, 1925.

SAFE-T-HEAD

No claim is made to the expression "Safe-T-Head" apart from the mark as shown, no common-law rights, however, being waived.
*Particular description of goods.*—Chain and Parts.
*Claims use* since June 1, 1925.

Ser. No. 217,473. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) H. MARGOLIN & CO., INC., New York, N. Y. Filed July 16, 1925.

MARY ELLIS
BAG

No claim is made to the exclusive use of the word "Bag" apart from the mark shown.

*Particular description of goods.*—Reticules and Hand Bags.

*Claims use* since June 12, 1925.

Ser. No. 217,636. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROYAL ELECTRIC MFG. CO., Chicago, Ill. Filed July 20, 1925.

SUPER POWER
ROYAL
FUSE

The words "Super Power Fuse" are hereby disclaimed apart from the mark.

*Particular description of goods.*—Superpower Fuses, Fuse Switches, and Disconnecting Switches.

*Claims use* since April, 1914.

Ser. No. 217,681. (CLASS 37. PAPER AND STATIONERY.) CARROLL CUTLER MILES, doing business as C. C. Miles, Lancaster, Mass. Filed July 21, 1925.

MILES
QUALITY

Exclusive use of the words "Miles Quality" is not claimed except in association with the mark shown.

*Particular description of goods.*—Blank Books, Memorandum Books, Albums, Photograph Albums, Shopping-List Books, Scrapbooks, Books of Blank Forms, Portrait Portfolios.

*Claims use* since Aug. 4, 1921.

Ser. No. 217,722. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MASCHINENFABRIK MOENUS A.-G., Frankfort-on-the-Main, Germany. Filed July 22, 1925.

MOENUS

*Particular description of goods.*—Machines for the Manufacture of Shoes and Uppers, Leather-Ranging Machines, Leather Rollers, Clicking Machines, Lever-Arm Presses, Cutting-Board-Planing Machines, Pattern-Binding Machines, Sole-Cutting Machines, Machines for the Manufacture of Series of Patterns, Pattern Shears, Leather-Splitting Machines, Scrap-Leather-Splitting Machines, Rand Tackers, Sole-Nailing Machines, Insole-Lining Machines, Welt-Sewing Machines, Welt Hammers, Taper Tackers, Rough-Rounding and Channeling Machines, Channel-Opening Machines, Channel-Closing Machines, Stitch-Separating Machines, Hook-Setting Machines, Hobnailing Machines; Edge-Sewing Machines for Cartridge, Bicycle, and Traveling Bags, for Collar Boxes, Drinking Glasses, as Well as for All Leather Articles Where the Edges to be Joined Together are Pared or Straight; Stiffener Skiving and Planing Machines, Rand-Cutting Machines, Rand-Turning Machines, Stiffener-Cutting Machines, Heel-Lift-Scooping-Out Machines, Stiffener-Rolling Machines, Stiffener-Molding Machines, Compressing Machines for the Manufacture of Fabric Shoes, Sole-Channeling Machines, Sole-Molding Machines, Lasting Machines, Sole-Sewing Machines, Outsole-Stitcher Wood-Pegging Machines, Peg Rasping Machines, Cementers, Lasting Jacks, Sole-Leveling Machines, Molding Compressors, Heel Building and Tacking Machines, Heel Compressing and Attaching Machines, Slugging Machines, Slug-Grinding Machines, Heel-Trimming Machines, Heel-Cutter-Grinding Machines, Heel-Finishing Machines, Heel-Polishing Machines, Top-Ironing Machines, Heel-Breasting Machines, Edge-Trimming Machines, Edge-Setting Machines, Bottom Scourers, Bottom-Buffing Machines, Cold-Burnishing Machines, Bottom-Staining Machines, Heel-Breasting Grinding Machines, Upper Treeing and Leveling Machines, Upper-Cleaning Machines, Sole-Embossing Machines, Gold and Silver Embossing Machines, Lining-Sole-Laying Apparatus, Upper-Blocking Machines, Upper-Leather-Skiving Machines, Upper-Folding Machines, Beading Machines, Button-Tongue-Beading Machines, Belt-Folding Machines, Loop-Cutting Machines, Pinking and Scalloping Machines, Vamp and Toe-Cap Perforating Presses, Upper Lock-Stitch Machines, Seam-Rubbing Machines, Ironing Machines for Closed Uppers, Hole-Punching and Eyeleting Machines, Last-Cutting Machines, Grindstones for Power, Central Exhaustors, Drying Plants, Machines for the Manufacture of Leather, Disintegrators, Bark Cutters, Elevators with Conveyers, Suction and Lifting Pumps, Tan Presses, Tanning Bating and Paddles; Tanning, Bating, and Lining Drums; Fulling Tumblers, Tanning Drums, Stuffing Drums, Grease-Mixing Machines, Stocks, Agitators for Tanners' Pits, Fleshing Machines, Setting-Out and Unhairing Machines, Slating Machines, Boarding-Grinding Machines; Unhairing, Slating, and Scudding Machines; Centrifugal Machines, Rapid Hair-Drying Machines, Shaving Machines, Whitening Machines, Leather-Buffing Machines, Burnishing and Pumicing Machines, Sheepskin-Splitting Machines, Leather-Splitting Machines with Straight Knife, Knife-Grinding Machines, Calf's-Head-Splitting Machines, Splitting-Knife-Grinding Machines, Drying Presses, Setting-Out Machines, Scouring Machines, Staking Machines, Setting and Strike-Out Machines, Softening Machines, Boarding Machines, Glazing Machines, Embossing Machines; Rolling, Embossing, and Boarding Presses; Ironing Machines, Segment Leather Presses, Pendulum Rollers, Leather Rollers, Leather Hammers, Brushing Machines for Colored Leather, Leather-Coiling Machines, Skin-Sewing Machines, Belt-Strap-Cutting Machines, Round-Belt-Cutting Machines, Belt-Cutting Machines, Butt and Strap-Cutting Machines, Belt-Stretching Machines, Belting-Butt-Stretching Apparatus, Leather-Belt-Skiving Machines, Belting-Sewing Machines, Belt-Nailing Machines, Belt-Edge-Beveling Machines, Belt-Gluing Presses; Belt Rolling, Stretching, and Coiling Machines; Round-Belting Apparatus, Leather Whipcord-Coiling Machines, Link and Washer Cutting Machines for Belting and Leather Mats and Carpets, Diagonal-Skiving Machines, and Strap-Edge-Marking Machines.

*Claims use* since Dec. 6, 1902.



Ser. No. 217,841. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WALKER LIMITED, Litherland, Liverpool, England. Filed July 24, 1925.

WALKER LIMITED
HAWTHORNE
LITHERLAND

The right to the exclusive use of the words "Walker Limited" and "Litherland" are disclaimed apart from the mark as shown.

*Particular description of goods.*—Sole Leather.

*Claims use* since July 7, 1925.

Ser. No. 218,030. (CLASS 39. CLOTHING.) UNIVERSITY SHOP, Washington, D. C. Filed July 28, 1925.

CAMELOT

*Particular description of goods.*—Men's Outer Garments—Namely, Dress Suits and Overcoats.

*Claims use* since July 20, 1925.

Ser. No. 218,153. (CLASS 39. CLOTHING.) THE C. W. ARCHER SHOE CO., Cincinnati, Ohio. Filed July 31, 1925.

Archer Shoe

The word "Shoe" does not form a part of the registration sought apart from the mark shown in the drawing.

*Particular description of goods.*—Leather Shoes for Men, Women, and Children.

*Claims use* since June 1, 1924.

Ser. No. 218,173. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HALLOCK & WATSON RADIO CORPORATION, Portland, Oreg. Filed July 31, 1925.

HALOWAT

*Particular description of goods.*—Radio Receiving Sets and Parts Thereof.

*Claims use* since June, 1922.

Ser. No. 218,388. (CLASS 39. CLOTHING.) BROWNSTEIN-LOUIS COMPANY, Los Angeles, Calif. Filed Aug. 5, 1925.

Belter

*Particular description of goods.*—Men's Negligee Outing Shirts.

*Claims use* since Feb. 2, 1925.

Ser. No. 218,473. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. J. CROSBY, Orient, S. Dak. Filed Aug. 6 1925.

EZE

*Particular description of goods.*—Foot Powder.

*Claims use* since 1924.

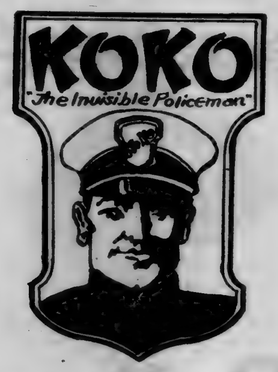
Ser. No. 218,706. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) LAGERLOEF TRADING COMPANY, INC., New York, N. Y. Filed Aug. 11, 1925.

THE FOUR HORSEMEN

*Particular description of goods.*—Matches.

*Claims use* since June 4, 1925.

Ser. No. 218,818. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KOKO SIGNAL SYSTEM INCORPORATED, doing business as New York Merchants Protective Co., New York, N. Y. Filed Aug. 13, 1925.




*Particular description of goods.*—Electrical Alarms and Signal Devices for Indicating Holdups, Burglaries, and the like.
*Claims use* since July 7, 1925.

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Ser. No. 218,824. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL GROCERY COMPANY, Jersey City, N. J. Filed Aug. 13, 1925.

*Particular description of goods.*—Tea.
*Claims use* since Jan. 15, 1925.

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Ser. No. 218,856. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE S. LINCOLN, Ceresco and Lincoln, Nebr. Filed Aug. 14, 1925.

La Flugo

*Particular description of goods.*—Cold Tablets.
*Claims use* since May 1, 1925.

Ser. No. 218,884. (CLASS 37. PAPER AND STATIONERY.) THE TUTTLE PRESS COMPANY, Appleton, Wis. Filed Aug. 14, 1925.

COLONIAL

*Particular description of goods.*—Crêpe Paper—Namely, Confetti, and for Decorative Purposes as Display Windows and Show Cases, Auto Floats, Paper Flowers, Paper Costumes, and Party Favors.
*Claims use* since Aug. 1, 1925.

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Ser. No. 219,091. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOUTHERN PRODUCTS COMPANY, Monroe, La. Filed Aug. 19, 1925.

Fly-Shy

*Particular description of goods.*—Insecticide.
*Claims use* since Apr. 1, 1923.

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Ser. No. 219,093. (CLASS 31. FILTERS AND REFRIGERATORS.) BERTRAND P. TRACY, doing business as Bertrand P. Tracy Company, Pittsburgh, Pa. Filed Aug. 19, 1925.

REFRIGIDOR

*Particular description of goods.*—Refrigerating Apparatus.
*Claims use* since June 25, 1925.

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Ser. No. 219,181. (CLASS 37. PAPER AND STATIONERY.) THE J. C. HALL COMPANY, Providence, R. I. Filed Aug. 21, 1925.

HALLCO

*Particular description of goods.*—Checks, Letterheads, Check Books, Book-Lining Papers, Bookbindings, and Loose-Leaf-Binding Devices.
*Claims use* since April, 1921.



Ser. No. 219,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE REYNOLDS PRESERVING COMPANY, Sturgeon Bay, Wis. Filed Aug. 21, 1925.

CHERRYLAND

*Particular description of goods.*—Fresh Cherries.
*Claims use* since Aug. 11, 1925.

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Ser. No. 219,245. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KANSAS FLOUR MILLS COMPANY, Wichita, Kans. Filed Aug. 22, 1925.

MARVEL

*Particular description of goods.*—Wheat Flour.
*Claims use* since Sept. 1, 1880.

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Ser. No. 219,264. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) W. H. WYMAN & SON, doing business as The Bay State Nurseries, North Abington, Mass. Filed Aug. 22, 1925. Under 10-year proviso.

*Particular description of goods.*—Nursery Stock—Namely, Trees, Shrubs, and Herbaceous Plants.
*Claims use* since Jan. 1, 1895.

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Ser. No. 219,333. (CLASS 39. CLOTHING.) HOOD RUBBER COMPANY, Watertown, Mass. Filed Aug. 25, 1925.

BULLS EYE
WHITE ROCK

Applicant hereby expressly disclaims the exclusive right to the use of the phrase "White Rock" except in the particular connection and association in which it appears with the rest of the mark as presented on the drawing.
*Particular description of goods.*—Rubber Boots and Shoes, Rubber Overshoes, and Rubber-Sole Canvas Shoes.
*Claims use* since January, 1914.

Ser. No. 219,336. (CLASS 39. CLOTHING.) HOOD RUBBER COMPANY, Watertown, Mass. Filed Aug. 25, 1925.

HOOD

Applicant expressly disclaims the right to the use of the surname "Hood" except in the particular connection and association in which it appears with the rest of the trade-mark as shown on the drawing.
*Particular description of goods.*—Rubber Boots and Shoes, Rubber Overshoes, and Rubber-Sole Canvas Shoes.
*Claims use* since Nov. 24, 1924.

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Ser. No. 219,444. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATHAN & COHEN CO. INC., New York, N. Y. Filed Aug. 27, 1925.

BETTY-MAY

*Particular description of goods.*—Rayon-Filled Cotton Crêpe With a Satin Edge.
*Claims use* since Aug. 5, 1925.

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Ser. No. 219,451. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PLAZA MUSIC CO., New York, N. Y. Filed Aug. 27, 1925.

FINE-ARTS

The lining on the drawing indicates shading.
*Particular description of goods.*—Radio Sets and Parts Thereof.
*Claims use* since Aug. 11, 1925.

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Ser. No. 219,500. (CLASS 32. FURNITURE AND UPHOLSTERY.) SIMMONS COMPANY, New York, N. Y. Filed Aug. 28, 1925.

GRACELINE

*Particular description of goods.*—Bedsteads, Cots, Cribs, and Couches.
*Claims use* since Aug. 6, 1925.

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Ser. No. 219,576. (CLASS 32. FURNITURE AND UPHOLSTERY.) CALIFORNIA CARD MANUFACTURING CO., San Francisco, Calif. Filed Aug. 31, 1925.

FRAMLO

*Particular description of goods.*—Frames for Pictures, Photographs, and the like.
*Claims use* since Aug. 1, 1925.

Ser. No. 219,577. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAMPHIL T. CHERRCO, Seattle, Wash. Filed Aug. 31, 1925.

INDIAN HEAD

*Particular description of goods.*—Fresh Potatoes.
*Claims use* since Sept. 15, 1921.

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Ser. No. 219,746. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CECILE JONES, New York, N. Y. Filed Sept. 3, 1925.

Florentine Cream

No exclusive right to the use of the word "Cream" is made by the undersigned except in the particular arrangement and association shown in the drawing. No common-law rights are waived.
*Particular description of goods.*—Creams for the Skin.
*Claims use* since July 15, 1925.

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Ser. No. 219,807. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CHEMICAL TREATMENT COMPANY, INC., New York, N. Y. Filed Sept. 4, 1925.

CRODON

*Particular description of goods.*—Scale Weights, Gauge Tubing, Plug Gauges, Scale Parts, Measuring Steel Tubes, Micrometer Spindles, Pyrometer Protection Tubes, Test Disks, All Coated with Metal.
*Claims use* since Apr. 29, 1925.

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Ser. No. 219,810. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CHEMICAL TREATMENT COMPANY, INC., New York, N. Y. Filed Sept. 4, 1925.

CRODON

*Particular description of goods.*—Carburizing Boxes, Carburizing Pots, Radiator Shells (House Heating), Heat Registers, Stove Parts, Lamp Parts, Boiler Parts, Furnace Parts, Soot-Cleaning Apparatus, Vaporizer Tubes.
*Claims use* since Apr. 29, 1925.

Ser. No. 219,855. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Sept. 4, 1925.

STAYCO

*Particular description of goods.*—Starch.
*Claims use* since Oct. 31, 1923.

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Ser. No. 219,857. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Sept. 4, 1925.

RADIO

*Particular description of goods.*—Starch.
*Claims use* since Jan. 12, 1920.

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Ser. No. 219,870. (CLASS 39. CLOTHING.) BROWNSTEIN-LOUIS COMPANY, Los Angeles, Calif. Filed Sept. 5, 1925.

Potter Park

*Particular description of goods.*—Men's, Women's, and Children's Clothing—Namely, Dress and Negligee Shirts, Nightgowns, and Pyjamas.
*Claims use* since Feb. 2, 1925.

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Ser. No. 219,875. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BROWNSTEIN-LOUIS COMPANY, Los Angeles, Calif. Filed Sept. 5, 1925.

Potter Park

*Particular description of goods.*—Textile Fabrics of Cotton, Wool, Silk, and Mixtures of the Same in the Piece.
*Claims use* since Feb. 2, 1925.

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Ser. No. 219,965. (CLASS 39. CLOTHING.) HARRIS & TIPOGRAPH, INC., New York, N. Y. Filed Sept. 8, 1925.

Tipograph

*Particular description of goods.*—Sweatbands.
*Claims use* since January, 1909.



Ser. No. 220,088. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) "PROKA" PARFUMERIE- UND SEIFENFABRIKEN A. G., Vienna, Austria. Filed Sept. 9, 1925.

ROYALE BOUVARDIA
PROKA WIEN

The exclusive use of the word "Wein" is disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Solid, Powdered, Granulated, Flaky, and Liquid Soaps and Saponaceous Preparations for Laundry Uses.
*Claims use* since April, 1924.

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Ser. No. 220,113. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEL MONTE PROPERTIES COMPANY, San Francisco, Calif. Filed Sept. 11, 1925.

Del Monte

*Particular description of goods.*—Ham, Bacon, Sausage; Smoked, Pickled, and Cured Meats; and Cheese.
*Claims use* since June 15, 1925.

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Ser. No. 220,129. (CLASS 39. CLOTHING.) HOOD RUBBER COMPANY, Watertown, Mass. Filed Sept. 11, 1925.

MERMAID

*Particular description of goods.*—Rubber Boots and Shoes, Rubber Overshoes, Rubber-Sole Canvas Shoes, and Rubber Bathing Shoes.
*Claims use* since September, 1922.

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Ser. No. 220,143. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RITTENBERG BROS., New York, N. Y. Filed Sept. 11, 1925.

No claim is made to the use of the word "Wool-n" except as shown in the drawing.
*Particular description of goods.*—Woolen Piece Goods.
*Claims use* since July 15, 1925.

Ser. No. 220,265. (CLASS 38. PRINTS AND PUBLICATIONS.) THE WALL STREET FINANCIAL BUREAU, INC., New York, N. Y. Filed Sept. 14, 1925.

THE WHITNEY SERVICE

No claim is made to the exclusive use of the surname "Whitney" as against any other applicant or producer bearing said surname or using said surname in connection with goods of the same descriptive property.
*Particular description of goods.*—Periodical Published Weekly—Namely, A Weekly Bulletin Sold in Interstate Commerce.
*Claims use* since Aug. 3, 1925.

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Ser. No. 220,297. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) U. S. E. M. COMPANY, New York, N. Y. Filed Sept. 15, 1925.

WATERWATCH

*Particular description of goods.*—System of Electrical Supervision of Water-Flow-Alarm Valves, of Pressure and Gravity Tanks, of Automatic Sprinkler Systems, of Gravity Tanks, of Standpipe Fire Lines, and the Like.
*Claims use* since Feb. 17, 1925.

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Ser. No. 220,324. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ROYALIN FLEXIBLE LACQUER COMPANY, INCORPORATED, Long Island City, N. Y. Filed Sept. 16, 1925.

ROXALIN

*Particular description of goods.*—Lacquers, Lacquer Enamels, Thinners, Bronzing Liquids, Chek Enamels.
*Claims use* since Aug. 1, 1925.

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Ser. No. 220,402. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FEDERAL RADIO CORPORATION, Buffalo, N. Y. Filed Sept. 18, 1925.

ORTHO-SONIC

*Particular description of goods.*—Radio Receiving Equipment Comprising Radio Receiving Sets, Radio Amplifiers of the Audio-Frequency and Radio Frequency Types, Head Sets, Loud Speakers and Phonograph Loud-Speaker Attachments and the Accessory and Component Parts Adapted to be Used in Connection with Such Equipment—Namely, Radio-Frequency Transformers, Audio-Frequency Transformers, Tuning Coils, Variable Condensers, Grid Leaks and Mountings Therefor, By-Pass Condensers, Mica Condensers, Vacuum-Tube Sockets, Filament Rheostats, Potentiometers, Binding Posts and Contact Studs, Control Knobs and Dials, Radiojacks, Radioplugs.
*Claims use* since Sept. 11, 1925.

Ser. No. 220,452. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) STANLEY L. GEDNEY, doing business as Ged Mfg. Co., New York, N. Y. Filed Sept. 19, 1925.

GED

Consisting of the word "Ged."

*Particular description of goods.*—Jewelry for Personal Wear Made from Precious Metal or Plated with Precious Metal—Viz., Collar Clips, Tie Holders, and Garter Clasps.

*Claims use* since Sept. 4, 1920.

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Ser. No. 220,462. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ONEIDA COMMUNITY LIMITED, Oneida, N. Y. Filed Sept. 19, 1925.

QUEEN BESS

*Particular description of goods.*—Flatware, Tableware, Hollow Ware, and Cutlery, All of Which Are Silver Plated, Wholly or in Part.

*Claims use* since June 3, 1924.

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Ser. No. 220,485. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) UNITED ALLOY STEEL CORPORATION, New York, N. Y., and Canton, Ohio. Filed Sept. 19, 1925.

*Particular description of goods.*—Rust-Resisting Anticorrosive Metal and Iron and Steel Bars, Slabs, Billets, Sheets, and Strips.

*Claims use* since Sept. 1, 1925.

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Ser. No. 220,507. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE DURO PUMP AND MANUFACTURING COMPANY, Dayton, Ohio. Filed Sept. 21, 1925.

DURO

*Particular description of goods.*—Electric Motors, Solenoids and Switches, Cut-Outs, Circuit Breakers, Circuit Closers, Automatic Pressure and Float Operating Electrical Control and Indicating Devices.

*Claims use* since Jan. 1, 1916.

Ser. No. 220,514. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOLEY BROS. GROCERY CO., St Paul, Minn. Filed Sept. 21, 1925.

Gopher

*Particular description of goods.*—Canned White Cherries, Pitted Red Cherries, Grapes, Blueberries, Black Raspberries, Red Raspberries, Logan Berries, Strawberries, Tomatoes, Apricots, Yellow Cling Peaches, Pears, Sliced Pineapple, Grated Pineapple, and Gold Drop Plums, Canned Asparagus Tips, Refugee Beans, Wax Beans, Red Beans, Red Kidney Beans, Beans with Pork, Lima Beans, Beans in Sauce, Beets, Early June Peas, Sugar June Peas, Corn, Hominy, Pumpkin, Sweet Potatoes, Spinach, and Succotash, Dried Currants, Raisins, Dried Prunes; Canned Salmon, Canned Oysters, Sardines; Preserved Blackberries, Gooseberries, Strawberries; Paprika, Ginger, Black Pepper, Cinnamon, Mustard, Cider Vinegar, Olive Oil; Tapioca, Cornstarch for Food Purposes; Coffee, Tea; Birdseed, and Ground Mace and Nutmeg, and Food-Flavoring Extracts.

*Claims use* since Sept. 1, 1893.

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Ser. No. 220,584. (CLASS 39. CLOTHING.) WM. H. WALKER & CO., Buffalo, N. Y. Filed Sept. 21, 1925.

DOTTIE DIMPLE

*Particular description of goods.*—Misses' and Children's Shoes of Leather, Rubber, and Fabric, Leather and Rubber, Leather and Fabric, and Rubber and Fabric.

*Claims use* since Apr. 10, 1905.

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Ser. No. 220,598. (CLASS 39. CLOTHING.) J. & J. C. DORWARD LIMITED, Galaschiels, Scotland. Filed Sept. 22, 1925.

GALA FOREST

*Particular description of goods.*—Overcoats.

*Claims use* since Nov. 1, 1923.



Ser. No. 220,617. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PERIN-WALSH COMPANY, Roxbury, Boston, Mass. Filed Sept. 22, 1925.

FREIGHTAINER

*Particular description of goods.*—Conveyers Comprising Essentially Receptacles for Goods, Wares, and Merchandise, Provided with Wheels or Rollers.

*Claims use* since July, 1924.

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Ser. No. 220,641. (CLASS 20. LINOLEUM AND OILED CLOTH.) THE COTT-A-LAP COMPANY, Somerville, N. J. Filed Sept. 23, 1925.

Cott-a-lap

*Particular description of goods.*—Floor Coverings Having a Felt Base.

*Claims use* since Apr. 15, 1919.

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Ser. No. 220,643. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CRESCENT WASHING MACHINE COMPANY, New Rochelle, N. Y. Filed Sept. 23, 1925.

Pro-tec-tray

No claim is made to the word "Tray" apart from the other features of the mark.

*Particular description of goods.*—Trays for Carrying and Handling Cups, Glasses, Dishes, and Silverware, Constructed Entirely of Metal and Metal and Wood Combined.

*Claims use* since July 1, 1925.

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Ser. No. 220,648. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELEVATOR SUPPLIES CO., INC., Hoboken, N. J. Filed Sept. 23, 1925.

LOCDROP

*Particular description of goods.*—Annunciators.

*Claims use* since Jan. 1, 1912.

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Ser. No. 220,655. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DAVID B. HARRIS, doing business as "Ace" Badge, Button and Medal Company, New York, N. Y. Filed Sept. 23, 1925.

"Ace"

*Particular description of goods.*—Novelties—Namely, Banners, Flags, Pennants, Metal and Ribbon Badges, Emblem Buttons, and Campaign Buttons.

*Claims use* since Aug. 20, 1925.

Ser. No. 220,785. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LA SALLE COMPANY, St. Paul, Minn. Filed Sept. 25, 1925.

Evolution

*Particular description of goods.*—Perfumes, Toilet Waters, Face Powder and Talcum Powder, and Face Creams.

*Claims use* since August, 1925.

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Ser. No. 220,856. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) P. & A. LINTON CO., Providence, R. I. Filed Sept. 26, 1925.

LINTON EAR HOOP

No exclusive use of the words "Ear Hoop" and the name "Linton" apart from the arrangement of these words as shown in the mark is claimed.

*Particular description of goods.*—Earrings.

*Claims use* since Sept. 1, 1925.

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Ser. No. 220,869. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 26, 1925.

UX-120

*Particular description of goods.*—Vacuum Tubes and Valves.

*Claims use* since July 23, 1925.

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Ser. No. 220,872. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 26, 1925.

UX

*Particular description of goods.*—Vacuum Tubes and Valves.

*Claims use* since May 5, 1925.

Ser. No. 220,882. (CLASS 15. OILS AND GREASES.) LESLIE E. BAKER, doing business as Baker Oil Company, Milton, Pa. Filed Sept. 28, 1925.

PEN-GRUD

*Particular description of goods.*—Lubricating Oils and Greases.
*Claims use* since Sept. 12, 1924.

Ser. No. 220,906. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE JOHN KRODER & HENRY REUBEL CO. INC., New York, N. Y. Filed Sept. 28, 1925.

VELGOLD

*Particular description of goods.*—Curtain Hardware—Namely, Brackets, Fixtures, Rodding, Extension Rods, Poles, Rings, and Tubes.
*Claims use* since Apr. 1, 1925.

Ser. No. 220,983. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VELMO MEDICINE COMPANY, White Heath, Ill. Filed Sept. 29, 1925.

VELMO

*Particular description of goods.*—Medicinal Tablets for Use in Constipation.
*Claims use* since Sept. 1, 1925.

Ser. No. 221,025. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. H. PARKE COMPANY, Philadelphia, Pa. Filed Sept. 30, 1925. Under ten-year proviso.

Doan's Pulverized Coffee

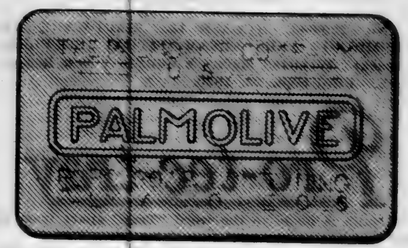
*Particular description of goods.*—Coffee.
*Claims use* since Aug. 1, 1831.

Ser. No. 221,115. (CLASS 12. CONSTRUCTION MATERIALS.) HAKON PRODUCTS COMPANY, Nashville, Tenn. Filed Oct. 2, 1925.

BREEKO BLOCKS

No claim is made to the use of the word "Blocks" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto as displayed.
*Particular description of goods.*—Concrete Stepping Stones, Hollow Concrete Blocks for Outside Bearing Walls of Buildings, and Interior Partition Blocks for Interior Partitions in Buildings.
*Claims use* since July 1, 1924.

Ser. No. 221,136. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) THE PALMOLIVE COMPANY, Chicago, Ill. Filed Oct. 2, 1925.




No exclusive claim is made to the representation of the cake of soap or to the wording "Pure Soap Containing Palm and Olive Oils" except in association with the other features of the mark shown in the drawing. Likewise no claim is made to the expression "U. S. A." apart from the mark shown in the drawing. While color of the cake of soap which forms the background and upon which the mark appears is normally green, the lining in the drawing is for the purpose of shading only.
*Particular description of goods.*—Soap.
*Claims use* since June, 1899.

Ser. No. 221,155. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN FRUITS PUBLISHING COMPANY, INC., Rochester, N. Y. Filed Oct. 3, 1925.

AMERICAN FRUITS

*Particular description of goods.*—Monthly Magazine.
*Claims use* since 1904.



Ser. No. 221,150. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) J. H. BALMER COMPANY, Newark, N. J. Filed Oct. 3, 1925.

*Particular description of goods.*—Bathroom and Kitchen Accessories—Namely, Combination Cigar, Cigarette, Ash-Tray, and Newspaper Holders; Handrails, Handrail Posts, Hooks, Roll-Toilet-Paper Holders, Shaving-Set Combinations; Units for Holding Safety-Razor Set, Shaving Brush, and Shaving Powder, Paste or Soap; Sheet-Toilet-Paper Holders, Shelf Combinations and Parts Thereof, Shelf Brackets, Shelves, Soap Holders, Sponge Holders, Toothbrush Holders, Toothbrush and Tumbler Holders, Tumbler Holders, Tumblers, Towel Bars, Towel Posts, and Towel Racks.
*Claims use* since April, 1925.

Ser. No. 221,202. (CLASS 43. THREAD AND YARN.) PEPPERELL BRAIDING COMPANY, East Pepperell, Mass. Filed Oct. 3, 1925.

Darnit

*Particular description of goods.*—Repair Outfit for Mending Stockings and the Like, Including Silk or Cotton Thread, Wools or Yarns, and a Needle.
*Claims use* since Sept. 16, 1925.

Ser. No. 221,275. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Oct. 5, 1925.

EVEREADY Pyramid

*Particular description of goods.*—Brushes for Use in Dynamo-Electric Apparatus.
*Claims use* since Sept. 1, 1924.

Ser. No. 221,335. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PFALTZ & BAUER, INC., New York, N. Y. Filed Oct. 6, 1925.

RED JACK

*Particular description of goods.*—Ground Hematite, Magnetite, and Ground Iron Ores.
*Claims use* since May, 1925.

Ser. No. 221,374. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLAUDIUS NIELSEN, doing business as Nielco Products Co., Detroit, Mich. Filed Oct. 7, 1925.

"Mai' D' Honeur"

*Particular description of goods.*—Face Creams, Perfumes, and Toilet Waters.
*Claims use* since Aug. 1, 1924.

Ser. No. 221,411. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FREDERICK E. DONALDSON, New York, N. Y. Filed Oct. 8, 1925.

REORDA

CREPE

The trade-mark covers only "Reorda," and not the word "Crepe" except in connection with "Reorda."
*Particular description of goods.*—Silk Textiles Piece Goods.
*Claims use* since Sept. 1, 1925.

Ser. No. 221,419. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Oct. 8, 1925.

REPONA

*Particular description of goods.*—Piece Goods Made of Wool, Silk, and Cotton.
*Claims use* since Aug. 5, 1925.

Ser. No. 221,468. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WOOLSON SPICE COMPANY, Toledo, Ohio. Filed Oct. 8, 1925.

IRGA

*Particular description of goods.*—Coffee.
*Claims use* since Jan. 2, 1925.

Ser. No. 221,476. (CLASS 39. CLOTHING.) BROKAW BROTHERS, New York, N. Y. Filed Oct. 9, 1925.

RECENT ROW

*Particular description of goods.*—Dress Shirts, Negligee Shirts and Undershirts, Both of Knitted and Textile Fabric; Men's and Boys' Suits, Overcoats, Hats, Underwear, Socks and Hose, Sweaters, Pyjamas, Golf Hose, Neckties, Mufflers and Scarfs, Dressing Gowns, Lounging Robes, and Bath Robes, Bathing Suits, Waistcoats, Suspenders, Garters, Raincoats, Reefers, and Shoes, in Leather, Fabric, and Combinations of Both.
*Claims use* since Aug. 15, 1925.

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Ser. No. 221,519. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Oct. 9, 1925.

TOCKOLITH

*Particular description of goods.*—Cement Preparations for Coating Metals and Other Surfaces.
*Claims use* since Mar. 1, 1923.

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Ser. No. 221,520. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) TRACK SPECIALTIES COMPANY, New York, N. Y. Filed Oct. 9, 1925.

TRASCO

*Particular description of goods.*—Guard Rails, Clamps, Step Joints, Tie Plates, Anticreepers, Derailers, Rail Braces, Car Stops, Rail Joints, Screw Spike Liners, Clips.
*Claims use* since Apr. 6, 1916.

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Ser. No. 221,521. (CLASS 12. CONSTRUCTION MATERIALS.) R. B. TYLER COMPANY, INC., Louisville, Ky. Filed Oct. 9, 1925.

*Particular description of goods.*—Asphalt.
*Claims use* since Feb. 1, 1924.

Ser. No. 221,590. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 12, 1925.

*Particular description of goods.*—Ornamentation Simulating Beaded Design on Cotton, Silk, Artificial Silk, and Wool Fabrics.
*Claims use* since Dec. 1, 1924.

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Ser. No. 221,617. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALEXANDER B. KATSIN, doing business as Consolidated Flour Mills of Canada, New York, N. Y. Filed Oct. 12, 1925.

CANADA GOLD

The word "Canada" is disclaimed apart from the mark shown on the drawing in so far as the name "Canada" might conflict with Canada Dry Ginger Ale, Inc., New York, N. Y., and in so far as the said word "Canada" is a geographical name or term.
*Particular description of goods.*—Flour from Hard Manitoba Wheat and Patent Flour from Hard Manitoba Wheat.
*Claims use* since Aug. 1, 1924.

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Ser. No. 221,651. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WISE BROTHERS, Washington, D. C. Filed Oct. 12, 1925.

No claim is made to the words "Wise Brothers—Chevy Chase Dairy" apart from the mark as shown in the drawing; but applicant does not thereby surrender any common-law rights to the name.
*Particular description of goods.*—Raw Milk, Pasteurized Milk, Holstein Nursery Milk (Raw), Acidophilus Milk, Buttermilk, Pasteurized Cream, Whipping Cream, Butter, Cheese, and Eggs.
*Claims use* since Sept. 1, 1925.



Ser. No. 221,653. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WISE BROTHERS, Washington, D. C. Filed Oct. 12, 1925.

SAFE MILK FOR BABIES

No claim is made to the words "Safe Milk for Babies" apart from the mark as shown in the drawing; but applicant does not thereby surrender any common-law rights to the same.
*Particular description of goods.*—Raw Milk, Pasteurized Milk, Holstein Nursery Milk (Raw), Acidophilus Milk, Buttermilk, Pasteurized Cream, Whipping Cream, Cheese, and Eggs.
*Claims use* since Sept. 1, 1925.

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Ser. No. 221,661. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HART COAL CORPORATION, Mortons Gap, Ky. Filed Oct. 13, 1925.

The word "Coal" is disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Coal.
*Claims use* since 1920.

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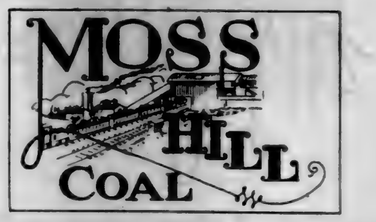
Ser. No. 221,662. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HART COAL CORPORATION, Mortons Gap, Ky. Filed Oct. 13, 1925.




The word "Coal" is disclaimed apart from the mark shown in the drawing.
*Particular description of goods.*—Coal.
*Claims use* since 1920.

Ser. No. 221,695. (CLASS 38. PRINTS AND PUBLICATIONS.) CONVERTERS' ASSOCIATION, New York, N. Y. Filed Oct. 14, 1925.

No claim is made to the words "New York" which appear on the drawing. No claim is made to the name of the applicant or descriptive words which appear on the drawing apart from the mark shown. No common-law rights are hereby waived.
*Particular description of goods.*—Bulletin or Journal Issued Monthly.
*Claims use* since January, 1923.

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Ser. No. 221,802. (CLASS 39. CLOTHING.) THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y. Filed Oct. 16, 1925.

BOSS

*Particular description of goods.*—Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric.
*Claims use* since November, 1920.

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Ser. No. 221,851. (CLASS 10. FERTILIZERS.) CHARLES A. RICKERT, Minneapolis, Minn. Filed Oct. 16, 1925.

The words "Nature's Feature" and "A Fertilizer" and the term "Trade-Mark" are disclaimed apart from the mark as shown by the drawing.
*Particular description of goods.*—Fertilizers.
*Claims use* since Aug. 15, 1923.

Ser. No. 221,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BLUD LIFE COMPANY, INC., Atlanta, Ga. Filed Oct. 19, 1925.

**BLUD-LIFE**

*Particular description of goods.*—Medicine for Use in the Treatment of Indigestion, Constipation, and Skin Diseases and for Renewing and Strengthening the Blood, Repairing and Cleansing the System, Restoring Appetite and Energy.
*Claims use* since April, 1923.

Ser. No. 221,955. (CLASS 43. THREAD AND YARN.) MARSHALL FIELD & CO., Chicago, Ill. Filed Oct. 19, 1925.

**RUG-CRAFT**

The word "Rug" does not form a part of the registration sought apart from the mark shown in the drawing.
*Particular description of goods.*—Yarns.
*Claims use* since July 22, 1925.

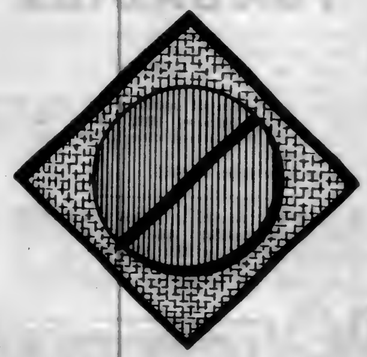
Ser. No. 221,972. (CLASS 12. CONSTRUCTION MATERIALS.) MANITOWOC PORTLAND CEMENT COMPANY, Manitowoc, Wis. Filed Oct. 19, 1925.

No right is claimed to the exclusive use of the name "Wisconsin" or to the words "Badger State Portland Cement" apart from the mark shown in the drawing. Portions of the drawing are lined to indicate the color red.
*Particular description of goods.*—Cement.
*Claims use* since June 12, 1924.

Ser. No. 221,979. (CLASS 10. FERTILIZERS.) SOUTHERN FERTILIZER & CHEMICAL COMPANY, doing business as Darlington Guano Company, Savannah, Ga. Filed Oct. 19, 1925.

Exclusive use of the word "Darlington" is disclaimed apart from the "fish."
*Particular description of goods.*—Fertilizers.
*Claims use* since Sept. 1, 1923.

Ser. No. 222,032. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH BURNETT COMPANY, Boston, Mass. Filed Oct. 20, 1925.



The drawing is lined for color, the circular design being lined for red and the remaining portion of the square being lined for gold.
*Particular description of goods.*—Spices.
*Claims use* since Jan. 27, 1920.

Ser. No. 222,049. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) MAX DAMM COMPANY, INC., Newark, N. J. Filed Oct. 21, 1925.

The word "Grip" is disclaimed except as part of the mark shown on the drawing.
*Particular description of goods.*—Traveling Bags.
*Claims use* since July 14, 1925.



Ser. No. 222,106. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BONHEUR COMPANY, Syracuse, N. Y. Filed Oct. 22, 1925.

**OSAGE RUB.**

*Particular description of goods.*—Lotion for the Head and Face.
*Claims use* since Jan. 15, 1901.

Ser. No. 222,112. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GERBER & CO., A. G., Thoune, Switzerland. Filed Oct. 22, 1925.

The picture is fanciful. The lining shown on the drawing indicates blue for the background and yellow for the head. The words "Brand" and "Imported Swiss Gruyere Cheese" are disclaimed apart from the other features of the mark.
*Particular description of goods.*—Cheese.
*Claims use* since January, 1923.

Ser. No. 222,114. (CLASS 39. CLOTHING.) GRUSHLAW AND SICHEL, Philadelphia, Pa. Filed Oct. 22, 1925.

No claim is made to any right of registration under the statute of the words "Made by the Makers of" except in connection with the mark as shown, applicant reserving, however, all common-law right to the mark as a whole.
*Particular description of goods.*—Knitted Jackets, Vests, Coats, and Sweaters for Men, Women, and Children.
*Claims use* since Oct. 12, 1925.

Ser. No. 222,129. (CLASS 15. OILS AND GREASES.) REBA B. LAWRENCE, Brookline, Mass. Filed Oct. 22, 1925.

MALABAR

*Particular description of goods.*—Candles.
*Claims use* since Oct. 7, 1925.

Ser. No. 222,144. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REEVES ENGINEERING CORPORATION, Newark, N. J. Filed Oct. 22, 1925.

*Particular description of goods.*—Flush Plates and Convenience Openings.
*Claims use* since May 15, 1925.

Ser. No. 222,145. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REYNOLDS SPRING COMPANY, Jackson, Mich. Filed Oct. 22, 1925.

**TRI-O-LET**

*Particular description of goods.*—Convenience Taps.
*Claims use* since July 20, 1925.

Ser. No. 222,151. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 23, 1925.

**BAKELITE**

*Particular description of goods.*—Ornamentation Simulating Beaded Designs on Cotton, Silk, Artificial-Silk, and Wool Fabrics.
*Claims use* since Dec. 12, 1923.

Ser. No. 222,171. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Oct. 23, 1925.

**RAMWAY**

*Particular description of goods.*—Radio Receiving Sets, Aerial Equipment, Loud Speakers and Units, Transformers, Tuning Units, Plugs, Variable Condensers, Jacks, Dials, and Sockets.
*Claims use* since Aug. 25, 1925.

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Ser. No. 222,182. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Oct. 23, 1925.

*Particular description of goods.*—Baby Carriages.
*Claims use* since Sept. 15, 1925.

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Ser. No. 222,198. (CLASS 38. PRINTS AND PUBLICATIONS.) SIMMONS-BOARDMAN PUBLISHING CO., New York, N. Y. Filed Oct. 23, 1925.

**Railway Signaling**

*Particular description of goods.*—Magazine Published Periodically.
*Claims use* since September, 1923.

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Ser. No. 222,242. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) HARRY P. HILLMAN, doing business as Island Belle Grape Juice Co., Grapeview, Wash. Filed Oct. 24, 1925.

**ISLAND BELLE**
THE DRINK DIVINE

No claim is made to the words "The Drink Divine" apart from the mark shown on the drawing.
*Particular description of goods.*—Grape Juice.
*Claims use* since Oct. 1, 1923.

Ser. No. 222,248. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. D. HUBBARD FRUIT CO., Carpenteria, Calif. Filed Oct. 24, 1925.

**SHERBET**

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
*Claims use* since 1912.

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Ser. No. 222,252. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. D. HUBBARD FRUIT CO., Carpenteria, Calif. Filed Oct. 24, 1925.

**PIE**

*Particular description of goods.*—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit.
*Claims use* since 1920.

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Ser. No. 222,256. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HYMAN BAUMAN CO., INC., New York, N. Y. Filed Oct. 24, 1925.

**Fabrics with a Conscience**

*Particular description of goods.*—Cotton, Silk, and Woolen Piece Goods or Combinations of the Same.
*Claims use* since 1922.

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Ser. No. 222,285. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOSEPH SOLTZ, Atlantic City, N. J. Filed Oct. 24, 1925.

**AMBASSADOR**

*Particular description of goods.*—Ready-Mixed Paints and Paint Enamels.
*Claims use* since Jan. 1, 1922.



Ser. No. 222,300. (CLASS 38. PRINTS AND PUBLICATIONS.) BAKER BROTHERS, Elmira, N. Y. Filed Oct. 26, 1925.

**DepOgraf**

*Particular description of goods.*—Greeting Cards, Folders and Booklets, Souvenier Post Cards, and Picture Cards.
*Claims use* since Oct. 21, 1925.

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Ser. No. 222,307. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FRANCIS A. COKEFAIR, doing business as Curtenir Company, Seattle, Wash. Filed Oct. 26, 1925.

**CURTENIRS**

*Particular description of goods.*—Curtain Holdbacks.
*Claims use* since August, 1924.

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Ser. No. 222,327. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LANCASTER MILLS, Clinton, Mass. Filed Oct. 26, 1925.

**TRU-SPORT**

*Particular description of goods.*—Cotton Piece Goods.
*Claims use* since July 24, 1925.

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Ser. No. 222,331. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed Oct. 26, 1925.

**WHYTONE**

*Particular description of goods.*—Cotton Goods, Silk Goods, and Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.
*Claims use* since Oct. 21, 1925.

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Ser. No. 222,337. (CLASS 38. PRINTS AND PUBLICATIONS.) THE NEW ENGLAND POULTRYMAN PUBLISHING CO., Boston, Mass. Filed Oct. 26, 1925.

**NEW ENGLAND POULTRYMAN**

*Particular description of goods.*—Monthly Magazine.
*Claims use* since Apr. 1, 1925.

Ser. No. 222,350. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) STAR MANUFACTURING COMPANY, INC., Providence, R. I. Filed Oct. 26, 1925.

**STAR**

*Particular description of goods.*—Ground-Joint Malleable-Iron Bronze Seat Unions.
*Claims use* since July, 1923.

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Ser. No. 222,367. (CLASS 39. CLOTHING.) BROWN & SINGERMAN, INC., New York, N. Y. Filed Oct. 27, 1925.

**PETTI-KNICKER**

The word "Knicker" is disclaimed apart from the other features of the mark shown.
*Particular description of goods.*—Women's Underwear of Knitted or Textile Fabric.
*Claims use* since Sept. 2, 1925.

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Ser. No. 222,373. (CLASS 38. PRINTS AND PUBLICATIONS.) FAMOUS FEATURES SYNDICATE, INC., New York, N. Y. Filed Oct. 27, 1925.

**A QUEEN'S LETTER TO AMERICAN WOMEN**

*Particular description of goods.*—Newspaper Feature Articles.
*Claims use* since Oct. 19, 1925.

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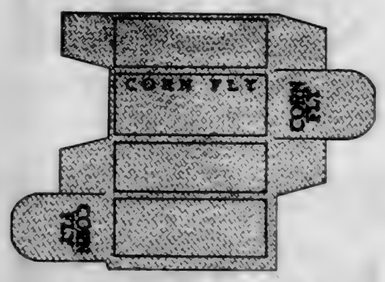
Ser. No. 222,379. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HI-GENE CO., Newark, N. J. Filed Oct. 27, 1925.




No claim is made to the representation of the carton apart from the mark shown.
*Particular description of goods.*—Remedy for Corns and Bunions and Foot Bath Tablets.
*Claims use* since Nov. 17, 1920.

Ser. No. 222,401. (CLASS 11. INKS AND INKING MATERIALS.) RAPID ADDRESSING MACHINE COMPANY, New York, N. Y. Filed Oct. 27, 1925. Under ten-year proviso.

RAPID ADDRESSING MACHINE CO.
BELKNAP SYSTEM

*Particular description of goods.*—Inks and Inking Materials.
*Claims use* since 1885.

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Ser. No. 222,410. (CLASS 39. CLOTHING.) JACOB SIEGEL, doing business as Jacob Siegel Company, Philadelphia, Pa. Filed Oct. 27, 1925.

Rexmode

*Particular description of goods.*—Men's Topcoats and Overcoats.
*Claims use* since Oct. 17, 1925.

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Ser. No. 222,457. (CLASS 39. CLOTHING.) HAYNES-HENSON SHOE COMPANY, Knoxville, Tenn. Filed Oct. 28, 1925.

BLUE AND GOLD

*Particular description of goods.*—Shoes.
*Claims use* since June 1, 1925.

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Ser. No. 222,504. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WALTER B. GILBERT, doing business as Walter B. Gilbert & Co., York, Pa. Filed Oct. 29, 1925.

*Particular description of goods.*—Window Ventilators and Roof Ventilators.
*Claims use* since 1909.

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Ser. No. 222,531. (CLASS 38. PRINTS AND PUBLICATIONS.) WARE BROS. COMPANY, Philadelphia, Pa. Filed Oct. 29, 1925.

MOTOR VEHICLE MONTHLY

*Particular description of goods.*—Monthly Trade Journal.
*Claims use* since Apr. 1, 1922.

Ser. No. 222,570. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MOUNT HOOD MFG. CO., Portland, Oreg. Filed Oct. 30, 1925.

Little Jugo Sweets

*Particular description of goods.*—Carbonated, Non-alcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Sirups Used in Making the Same.
*Claims use* since June 1, 1925.

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Ser. No. 222,589. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed Oct. 31, 1925.

EVERLAST

*Particular description of goods.*—Fire Brick.
*Claims use* since Mar. 18, 1920.

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Ser. No. 222,595. (CLASS 39. CLOTHING.) BIJOU DRESS CO., New York, N. Y. Filed Oct. 31, 1925.

BI-JUNIORS

*Particular description of goods.*—Ladies' and Misses' Dresses.
*Claims use* since Oct. 24, 1925.

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Ser. No. 222,603. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE EASTERBROOK COAL COMPANY, Cleveland, Ohio. Filed Oct. 31, 1925.

SNOWBIRD

*Particular description of goods.*—Coal.
*Claims use* since Feb. 20, 1925.

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Ser. No. 222,626. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE K. REIMAN and WALTER CURTIS MINER, trustees of San Albus Products Associates, Boston, Mass. Filed Oct. 31, 1925.

MELLEX

*Particular description of goods.*—Tooth Paste.
*Claims use* since Oct. 3, 1925.



Ser. No. 222,627. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Oct. 31, 1925.

SEMINOLE GEMS

No right to the exclusive use of the word "Gems" is claimed apart from the mark as shown in the drawing.
*Particular description of goods.*—Biscuit, Crackers, Cakes, and Wafers.
*Claims use* since Sept. 28, 1925.

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Ser. No. 222,629. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PAXTON AND GALLAGHER CO., Omaha, Nebr. Filed Oct. 31, 1925.

MONOTRON

*Particular description of goods.*—Radio Vacuum Tubes.
*Claims use* since Sept. 11, 1925.

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Ser. No. 222,673. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Nov. 2, 1925.

PNEUFLEX

*Particular description of goods.*—Rubber Vehicle Tires.
*Claims use* since May, 1925.

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Ser. No. 222,679. (CLASS 15. OILS AND GREASES.) HUMBLE OIL & REFINING COMPANY, Houston, Tex. Filed Nov. 2, 1925.

FLIVOLENE

*Particular description of goods.*—Refined and Unrefined Oils Made from Petroleum, Both with and without Admixture of Animal, Vegetable, and Mineral Oils, for Power, Fuel, and Lubricating Purposes, and Lubricating Greases.
*Claims use* since Oct. 9, 1925.



Ser. No. 222,696. (CLASS 33. GLASSWARE.) MISSISSIPPI WIRE GLASS COMPANY, New York, N. Y. Filed Nov. 2, 1925.

No claim is made to the name "Mississippi-Wire-Glass-Co." and the words "Fire Retardant No. 32" apart from the trade-mark shown on the drawing.
*Particular description of goods.*—Wire Glass.
*Claims use* since October, 1902.

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Ser. No. 222,714. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed Nov. 2, 1925.

VULKEEZ

*Particular description of goods.*—Oil Compound or Petroleum Product to be Used to Free Rubber from the Molds and for Analogous Purposes.
*Claims use* since Oct. 12, 1925.

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Ser. No. 222,745. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS H. GUARD, doing business as Guard Germicide Co., Geneva, N. Y. Filed Nov. 3, 1925.

Germo-Guard

*Particular description of goods.*—Germicides, Disinfectants, and Deodorizers.
*Claims use* since July 30, 1925.

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Ser. No. 222,746. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS H. GUARD, doing business as Guard Germicide Co., Geneva, N. Y. Filed Nov. 3, 1925.

Fly-Guard

*Particular description of goods.*—Insecticides.
*Claims use* since June 30, 1925.

Ser. No. 222,748. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. G. HILL COMPANY, Nashville, Tenn. Filed Nov. 3, 1925.

ROSE DELL

*Particular description of goods.*—Wheat Flour.
*Claims use* since Aug. 28, 1925.

Ser. No. 222,750. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. K. LAUDENSLAGER, INC., Philadelphia, Pa. Filed Nov. 3, 1925. Under ten-year proviso.

BUTCHERS MILLS

*Particular description of goods.*—Spices.
*Claims use* since Aug. 1, 1891.

Ser. No. 222,752. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUBIN, INC., Wilmington, Del., and New York, N. Y. Filed Nov. 3, 1925.

SOUVENIR DE LUBIN

No claim is made to the word "Lubin" apart from the mark shown. No common-law rights in the name "Lubin" are hereby disclaimed.
*Particular description of goods.*—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brilliantine, Lotion for the Skin and Hair, Bath Salts, and Dentifrices.
*Claims use* since Apr. 1, 1925.

Ser. No. 222,767. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) C. SCHRACK & CO., Philadelphia, Pa. Filed Nov. 3, 1925.

SANDOLINE

*Particular description of goods.*—Surfacers in Paste Form.
*Claims use* since Oct. 21, 1925.

Ser. No. 222,770. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BICKIEPEGS LIMITED, London, England. Filed Nov. 4, 1925.

BICKIEPEGS

*Particular description of goods.*—Biscuits.
*Claims use* since Apr. 24, 1924.

Ser. No. 222,787. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GEMCO MANUFACTURING COMPANY, Milwaukee, Wis. Filed Nov. 4, 1925.

Gemco

*Particular description of goods.*—Shock Absorbers for Motor Vehicles.
*Claims use* since July 1, 1911.

Ser. No. 222,803. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Filed Nov. 4, 1925.

RAISINOSE

*Particular description of goods.*—Raisin Sirup.
*Claims use* since Aug. 15, 1925.

Ser. No. 222,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM ATCHLEY, Upland, Calif. Filed Nov. 5, 1925.

AYE-ONE

*Particular description of goods.*—Honey.
*Claims use* since January, 1918.

Ser. No. 222,830. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DIME AUTOMATIC CO., doing business as Dime Service Co., Chicago, Ill. Filed Nov. 5, 1925.

"DIME SERVER"

*Particular description of goods.*—Automatic Vending Machines.
*Claims use* since July 3, 1925.



Ser. No. 222,840. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE GILBERT SPRUANCE COMPANY, Philadelphia, Pa. Filed Nov. 5, 1925.

FLUID-LIGHT

*Particular description of goods.*—Ready-Mixed Paint.
*Claims use* since Jan. 24, 1925.

Ser. No. 222,849. (CLASS 39. CLOTHING.) LOUIS KRAUS & SYDNEY SHREERO INC., New York, N. Y. Filed Nov. 5, 1925.

Town-Talk

*Particular description of goods.*—Ladies' and Misses' Dresses.
*Claims use* since Sept. 10, 1924.

Ser. No. 222,854. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LOOMIS-WOODWARD COMPANY, Fort Dodge, Iowa. Filed Nov. 5, 1925.

NAUGHTY NUT

No claim is made to the word "Nut" apart from the mark as shown.
*Particular description of goods.*—Candy.
*Claims use* since Dec. 14, 1921.

Ser. No. 222,861. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MORGAN COMPANY, Peoria, Ill. Filed Nov. 5, 1925.

THE YELLOW CAN

*Particular description of goods.*—Monthly Magazine.
*Claims use* since Apr. 1, 1925.

Ser. No. 222,999. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS SLADEK, doing business as Ledoment Co., South Milwaukee, Wis. Filed Nov. 7, 1925.

LEDOMENT

*Particular description of goods.*—Healing Ointment.
*Claims use* since Aug. 1, 1925.

Ser. No. 223,035. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE INTERNATIONAL COMPANY, Baltimore, Md. Filed Nov. 9, 1925.

EVEREDY

*Particular description of goods.*—White Icing Powder.
*Claims use* since Apr. 16, 1923.

Ser. No. 223,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE INTERNATIONAL RADIOLITE COMPANY, St. Paul, Minn. Filed Nov. 9, 1925.

RADIOLITE

*Particular description of goods.*—Battery Compound.
*Claims use* since July 27, 1922.

Ser. No. 223,038. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JONATHAN LEVI CO. INC., Schenectady, N. Y. Filed Nov. 9, 1925.

WGY

*Particular description of goods.*—Baking Powder.
*Claims use* since Oct. 1, 1925.

Ser. No. 223,050. (CLASS 38. PRINTS AND PUBLICATIONS.) PUBLIC LEDGER COMPANY, Philadelphia, Pa. Filed Nov. 9, 1925.

*The Boy Friend*

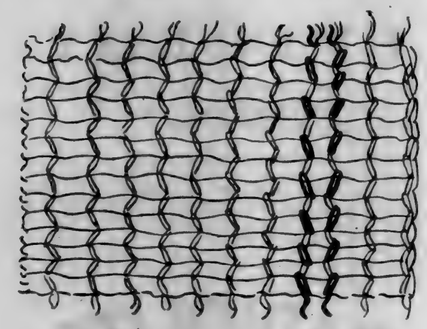
*Particular description of goods.*—Title for Cartoons in Newspaper Articles.
*Claims use* since June 1, 1925.

Ser. No. 223,096. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KNITTED PADDING COMPANY, Canton, Mass. Filed Nov. 10, 1925.

RED EDGE

*Particular description of goods.*—Knitted Cotton Padding, Table Pads, and Bed Pads.
*Claims use* since July 28, 1925.

Ser. No. 223,097. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KNITTED PADDING COMPANY, Canton, Mass. Filed Nov. 10, 1925.



The trade-mark consists of a plurality of red warp threads on the selvage edges of the fabric. No claim is made to the representation of the goods to which the mark is applied.

*Particular description of goods.*—Knitted Cotton Padding. Table Pads, and Bed Pads.

*Claims use* since July 23, 1925.

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Ser. No. 223,107. (CLASS 39. CLOTHING.) THOMAS & COMPANY, Brooklyn, N. Y. Filed Nov. 10, 1925.

JACK O'LANTERN

*Particular description of goods.*—Boots and Shoes Made of Leather, Fabric, or Combinations Thereof.

*Claims use* since June 1, 1925.

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Ser. No. 223,109. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Nov. 10, 1925.

LORAGA

*Particular description of goods.*—Medicinal Preparation Used as a Laxative.

*Claims use* since Oct. 23, 1925.

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Ser. No. 223,118. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORG ENGELHARDT, Cassel-Wilhelmshohe, Germany. Filed Nov. 11, 1925.

Osowarm

*Particular description of goods.*—Preparations for the Relief of Cold Feet and Abnormal Foot Transpiration.

*Claims use* since Aug. 12, 1924.

Ser. No. 223,135. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN OSTER MANUFACTURING COMPANY, Racine, Wis. Filed Nov. 11, 1925.

"HANDY"

*Particular description of goods.*—Hair Clippers, Clipper Plates and Blades, and Repair Parts.

*Claims use* since Sept. 5, 1925.

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Ser. No. 223,141. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUGENE RIMMEL, LIMITED, London, England. Filed Nov. 11, 1925.

FRAXI

*Particular description of goods.*—Perfumes, Face Powder, Compressed Face Powder, Compressed Bath Salts, Crystal Bath Salts, Shampoo Powder.

*Claims use* since May 12, 1925.

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Ser. No. 223,153. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. M. C. TRUST, Winchester, Mass. Filed Nov. 12, 1925.

Promals

*Particular description of goods.*—A Pharmaceutical Preparation for the Treatment of Toxic Conditions.

*Claims use* since Sept. 15, 1925.

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Ser. No. 223,154. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BURT ABBEY, New York, N. Y. Filed Nov. 12, 1925.

LICOD

*Particular description of goods.*—A Cod-Liver-Oil Preparation in Tablet, Ampul, Powder, Granulated, and Solution Form.

*Claims use* since Nov. 2, 1925.

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Ser. No. 223,167. (CLASS 39. CLOTHING.) PHILIP GOLINKO, doing business as Florence Manufacturing Co., New York, N. Y. Filed Nov. 12, 1925.

EIPLESE

*Particular description of goods.*—Children's, Juniors' Misses', and Women's Dresses, Coats, and Suits.

*Claims use* since Nov. 1, 1925.



Ser. No. 223,202. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM A. STONE, doing business as Stone & Co., Dallas, Tex. Filed Nov. 12, 1925.

SURE-FIX

*Particular description of goods.*—Hair Pomades.

*Claims use* since June 1, 1925.

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Ser. No. 223,203. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAILBY-NASON CO., Boston, Mass. Filed Nov. 12, 1925.

VITAMUL

*Particular description of goods.*—Cod-Liver Oil and Emulsions Thereof.

*Claims use* since Jan. 19, 1924.

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Ser. No. 223,222. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ESMOND MILLS, Esmond, Smithfield, R. I. Filed Nov. 13, 1925.

TEDDY

*Particular description of goods.*—Textile Blankets.

*Claims use* since 1909.

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Ser. No. 223,223. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ESMOND MILLS, Esmond, Smithfield, R. I. Filed Nov. 13, 1925.

CHICK

*Particular description of goods.*—Textile Blankets.

*Claims use* since 1919.

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Ser. No. 223,232. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE FRANK HELD TRACTOR CO., Columbus, Ohio. Filed Nov. 13, 1925.

CLIP-MOR

*Particular description of goods.*—Power Lawn Mowers.

*Claims use* since November, 1923.

Ser. No. 223,234. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD CO., New York, N. Y. Filed Nov. 13, 1925.

RAYA

*Particular description of goods.*—Worsted and Woolen Textile Fabrics.

*Claims use* since Aug. 25, 1925.

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Ser. No. 223,235. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD CO., New York, N. Y. Filed Nov. 13, 1925.

CORISANDE

*Particular description of goods.*—Worsted and Woolen Textile Fabrics.

*Claims use* since Aug. 26, 1925.

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Ser. No. 223,237. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD CO., New York, N. Y. Filed Nov. 13, 1925.

GIVRÉ

*Particular description of goods.*—Worsted and Woolen Textile Fabrics.

*Claims use* since Aug. 26, 1925.

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Ser. No. 223,239. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD CO., New York, N. Y. Filed Nov. 13, 1925.

JOYA

*Particular description of goods.*—Worsted and Woolen Textile Fabrics.

*Claims use* since Aug. 26, 1925.

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Ser. No. 223,240. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD CO., New York, N. Y. Filed Nov. 13, 1925.

ALLEGRA

*Particular description of goods.*—Worsted and Woolen Textile Fabrics.

*Claims use* since Aug. 26, 1925.

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Ser. No. 223,241. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD CO., New York, N. Y. Filed Nov. 13, 1925.

RADIOSA

*Particular description of goods.*—Worsted and Woolen Textile Fabrics.

*Claims use* since Aug. 25, 1925.

Ser. No. 223,245. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY AGNES MANSFIELD, doing business as The Alkavis Company, Detroit, Mich. Filed Nov. 13, 1925.

Alkavis,

*Particular description of goods.*—Preparation for the Treatment of Kidneys, Liver, Urinary Organs, and Rheumatism.
*Claims use* since May 1, 1925.

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Ser. No. 223,246. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY AGNES MANSFIELD, doing business as The Himalya Company, Detroit, Mich. Filed Nov. 13, 1925.

HIMALYA

*Particular description of goods.*—Preparation for the Treatment of Asthma, Hay Fever, and Respiratory Organs.
*Claims use* since May 1, 1889.

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Ser. No. 223,247. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MILLER-CRANE CO., Cleveland, Ohio. Filed Nov. 13, 1925.

IODET

*Particular description of goods.*—A Goiter Prophylactic.
*Claims use* since May 8, 1925.

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Ser. No. 223,290. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FLETCHER WORKS, INCORPORATED, Philadelphia, Pa. Filed Nov. 14, 1925.

PIK-PIK

*Particular description of goods.*—Ice Picks.
*Claims use* since May 8, 1925.

Ser. No. 223,321. (CLASS 38. PRINTS AND PUBLICATIONS.) PATERSON-MUTUAL HOSIERY MILLS, INC., Paterson, N. J. Filed Nov. 14, 1925.

Our Ruby
Ring-Leader

*Particular description of goods.*—Periodical Published Monthly.
*Claims use* since January, 1924.

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Ser. No. 223,378. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMEL PACKING COMPANY, Seattle, Wash. Filed Nov. 16, 1925.

ROUND THE WORLD

*Particular description of goods.*—Canned Salmon.
*Claims use* since Dec. 15, 1924.

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Ser. No. 223,385. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN GRAF CO., Milwaukee, Wis. Filed Nov. 16, 1925.

Sylvan
SPORT SODA

The word "Soda" does not form a part of the registration sought apart from the mark shown in the drawing.
*Particular description of goods.*—Nonalcoholic, Noncereal, Maltless Carbonated Beverages and Sirups for Making the Same.
*Claims use* since Aug. 24, 1925.

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Ser. No. 223,436. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GOLDEN DOME BOTTLING CO., INC., Roxbury, Boston, Mass. Filed Nov. 17, 1925.

FENWAY

*Particular description of goods.*—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Ginger Ale, Root Beer, Sarsaparilla, Vanilla, and Various Fruit Flavors.
*Claims use* since May 16, 1924.



Ser. No. 223,461. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CENTRAL SCIENTIFIC COMPANY, Chicago, Ill. Filed Nov. 18, 1925.

SUPERVAC

*Particular description of goods.*—Vacuum Pumps.
*Claims use* since Nov. 1, 1925.

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Ser. No. 223,495. (CLASS 43. THREAD AND YARN.) TUBIZE ARTIFICIAL SILK COMPANY OF AMERICA, Philadelphia, Pa. Filed Nov. 18, 1925.

TUBIZE

*Particular description of goods.*—Artificial-Silk Threads and Yarns.
*Claims use* since May 1, 1921.

Ser. No. 223,499. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADIRONDACK MINERAL CO., INC., Carthage, N. Y. Filed Nov. 19, 1925.

ALCOLLOID

*Particular description of goods.*—A Metal Preservative.
*Claims use* since Jan. 1, 1922.

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Ser. No. 223,512. (CLASS 39. CLOTHING.) M. B. HAMILTON & CO., Leavenworth, Kans. Filed Nov. 19, 1925.

YELLOW

JACKET

*Particular description of goods.*—Work Gloves, Mittens, and Gauntlets Made from Fabric and Combinations of Fabric and Leather.
*Claims use* since Apr. 1, 1925.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

DECEMBER 29, 1925.

207,278. MAYONNAISE DRESSING, THOUSAND ISLAND DRESSING, FRENCH DRESSING, AND SANDWICH SPREAD MADE OF BLUE SEAL MAYONNAISE, SELECTED MEATS, PICKLES, SPICES, AND CONDIMENTS. BERRY & SON, Chicago, Ill.
Filed April 13, 1925. Serial No. 212,589. PUBLISHED OCTOBER 13, 1925.

207,279. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. ESCONDIDO FRUIT GROWERS ASSOCIATION, Escondido, Calif.
Filed May 4, 1925. Serial No. 213,776. PUBLISHED OCTOBER 27, 1925.

207,280. FRESH ORANGES, LEMONS, CANTALOUPES, PEARS, GRAPEFRUIT, APPLES, GRAPES, HONEY DEWS, PEACHES, LETTUCE, TOMATOES, AND CASABAS. THE JOS. GENTILE COMPANY, Los Angeles, Calif.
Filed March 11, 1924. Serial No. 193,586. PUBLISHED SEPTEMBER 1, 1925.

207,281. ASBESTOS SHINGLES AND MAGNESIA AND ASBESTOS PIPE COVERING. TURNER ASBESTOS & ROOFING CO., Philadelphia, Pa.
Filed June 25, 1925. Serial No. 216,442. PUBLISHED SEPTEMBER 15, 1925.

207,282. COTTON PIECE GOODS. NASHUA MANUFG. COMPANY, Nashua, N. H.
Filed June 19, 1925. Serial No. 216,066. PUBLISHED OCTOBER 13, 1925.

207,283. MALT SIRUP A SIRUP MADE FROM MALTED BARLEY FOR FOOD PURPOSES—NAMELY, COOKING, BAKING, CONFECTIONERY, ETC. EMANUEL D. ROSENSTEIN, doing business as Eagle Malt Extract Company, Memphis, Tenn.
Filed June 11, 1925. Serial No. 215,655. PUBLISHED OCTOBER 13, 1925.

207,284. AMMUNITION. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., and Ilion and New York, N. Y.
Filed June 5, 1925. Serial No. 215,383. PUBLISHED OCTOBER 13, 1925.

207,285. LINOLEUM. BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky.
Filed May 25, 1925. Serial No. 214,842. PUBLISHED OCTOBER 13, 1925.

207,286. DENTAL SUPPLIES. THE LANDGREBE CO., Chicago, Ill.
Filed May 18, 1925. Serial No. 214,488. PUBLISHED OCTOBER 13, 1925.

207,287. LOCKS AND KEYS AND PARTS OF LOCKS. BEST UNIVERSAL LOCK CO., Seattle, Wash.
Filed April 7, 1925. Serial No. 212,319. PUBLISHED OCTOBER 13, 1925.

207,288. LOCKS, KEYS, AND PARTS OF LOCKS. BEST UNIVERSAL LOCK CO., Seattle, Wash.
Filed April 7, 1925. Serial No. 212,318. PUBLISHED OCTOBER 13, 1925.

207,289. SALAD DRESSING; EDIBLE OILS—NAMELY, PEANUT OIL, OLIVE OIL, COTTONSEED OIL, AND CORN OIL. ROSE WILKE, doing business as Vital Food Company of California, Los Angeles, Calif.
Filed March 25, 1925. Serial No. 211,643. PUBLISHED OCTOBER 13, 1925.

207,290. PREPARED FOODS, SPECIFICALLY CANNED SARDINES AND CHEESE. IWAN BURGER, INC., New York, N. Y.
Filed February 13, 1925. Serial No. 209,526. PUBLISHED OCTOBER 13, 1925.

207,291. FLEXIBLE IMPREGNATED FIBROUS MATERIAL USED FOR SOLES OF BOOTS AND SHOES. FIBROK PRODUCTS LIMITED, London, England.
Filed November 29, 1924. Serial No. 206,001. PUBLISHED MARCH 31, 1925.

207,292. MACARONI, CUT MACARONI, SPAGHETTI, CUT SPAGHETTI, NOODLES, AND VERMICELLI. UNION MACARONI COMPANY, Beaumont, Tex.
Filed November 28, 1924. Serial No. 205,965. PUBLISHED OCTOBER 13, 1925.

207,293. BLACK PIGMENTS FOR PAINTS AND VARNISHES. BINNEY & SMITH COMPANY, New York, N. Y.
Filed May 17, 1924. Serial No. 197,183. PUBLISHED SEPTEMBER 15, 1925.

207,294. STEEL SHEETS. HENRY A. TAUBENSEE & CO., Chicago, Ill.
Filed June 27, 1925. Serial No. 216,569. PUBLISHED OCTOBER 13, 1925.

207,295. COLD-WATER PAINT IN DRY POWDER FORM. THE REARDON COMPANY, St. Louis, Mo.
Filed June 20, 1925. Serial No. 216,695. PUBLISHED SEPTEMBER 22, 1925.

207,296. CHOCOLATE SIRUPS FOR FOOD PURPOSES. H. BLOUNT HUNTER, doing business as The Regent Chocolate Company, Norfolk, Va.
Filed July 15, 1925. Serial No. 217,400. PUBLISHED OCTOBER 13, 1925.

207,297. POTTERY PLUMBING FIXTURES. J. L. MOTT COMPANY, Trenton, N. J.
Filed July 25, 1925. Serial No. 217,892. PUBLISHED OCTOBER 13, 1925.

207,298. MEN'S AND YOUNG MEN'S SUITS. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed August 10, 1925. Serial No. 218,602. PUBLISHED OCTOBER 13, 1925.

207,299. PERCALE PIECE GOODS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed August 10, 1925. Serial No. 218,623. PUBLISHED OCTOBER 13, 1925.

207,300. MALT SIRUP FOR FOOD PURPOSES. K. B. MALT CO., Bay City, Mich.
Filed August 12, 1925. Serial No. 218,760. PUBLISHED OCTOBER 13, 1925.

207,301. MALT SIRUP FOR FOOD PURPOSES. K. B. MALT CO., Bay City, Mich.
Filed August 12, 1925. Serial No. 218,762. PUBLISHED OCTOBER 13, 1925.

207,302. OVERALLS. ALEXANDER BROS. COMPANY, Savannah, Ga.
Filed August 14, 1925. Serial No. 218,837. PUBLISHED OCTOBER 13, 1925.

207,303. MATCHES. BILLBOARD MATCH COMPANY, East Jaffrey, N. H.
Filed August 15, 1925. Serial No. 218,895. PUBLISHED OCTOBER 13, 1925.

207,304. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, GINGER ALE, ORANGEADE, SARSAPARILLA, ROOT BEER, GRAPE FLAVOR, LEMON AND LIME FLAVOR, AND STRAWBERRY FLAVOR. MAX W. ROBINSON, doing business as New England Magnesia Company, Boston, Mass.
Filed August 17, 1925. Serial No. 219,001. PUBLISHED OCTOBER 13, 1925.





207,305. CHOCOLATE PREPARATION USED AT SODA FOUNTAINS AND IN THE MANUFACTURE OF ICE CREAM. CREAM OF CHOCOLATE COMPANY OF AMERICA, Waltham, Mass.
Filed August 19, 1925. Serial No. 219,061. PUBLISHED OCTOBER 27, 1925.

207,306. ABSORBENT DENTAL ROLLS AND ABSORBENT DENTAL PADS. KIMBERLY-CLARK COMPANY, Neenah, Wis.
Filed August 24, 1925. Serial No. 219,285. PUBLISHED OCTOBER 13, 1925.

207,307. CANDY. THE BLU BISCUIT CO., Spokane, Wash.
Filed August 27, 1925. Serial No. 219,460. PUBLISHED OCTOBER 13, 1925.

207,308. SANITARY NAPKINS. PEERLESS PREPARATIONS, INC., New York, N. Y.
Filed August 29, 1925. Serial No. 219,553. PUBLISHED OCTOBER 13, 1925.

207,309. PORCELAIN AND CHINA GOODS. GILBERT & CO., INC., New York, N. Y.
Filed September 1, 1925. Serial No. 219,623. PUBLISHED OCTOBER 13, 1925.

207,310. CERTAIN PIECE GOODS. HENRY GLASS & CO., New York, N. Y.
Filed July 28, 1925. Serial No. 218,005. PUBLISHED OCTOBER 13, 1925.

207,311. PIECE GOODS MADE OF SILK, COTTON, AND WOOL. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed August 8, 1925. Serial No. 218,551. PUBLISHED OCTOBER 13, 1925.

207,312. COTTON BLANKETS. BEACON MANUFACTURING COMPANY, New Bedford, Mass.
Filed August 1, 1925. Serial No. 218,239. PUBLISHED OCTOBER 13, 1925.

207,313. PLATES, CUPS, PLATTERS, BOWLS, AND OTHER TABLEWARE POTTERY. THE SAXON CHINA COMPANY, Sebring, Ohio.
Filed August 4, 1925. Serial No. 218,377. PUBLISHED OCTOBER 13, 1925.

207,314. PLATES, CUPS, PLATTERS, BOWLS, AND OTHER TABLEWARE POTTERY. THE SAXON CHINA COMPANY, Sebring, Ohio.
Filed August 4, 1925. Serial No. 218,378. PUBLISHED OCTOBER 13, 1925.

207,315. NONSKID CHAINS AND UNITS. ARROW GRIP MANUFACTURING CO. INC., Glens Falls, N. Y.
Filed July 30, 1925. Serial No. 218,096. PUBLISHED OCTOBER 13, 1925.

207,316. SALAD OIL, A DEODORIZED WINTERIZED COTTONSEED-OIL PRODUCT. SOUTH TEXAS COTTON OIL COMPANY, Houston, Tex.
Filed July 28, 1925. Serial No. 218,025. PUBLISHED OCTOBER 13, 1925.

207,317. NONINTOXICATING, MALTLESS BEVERAGES AND SIRUPS AND CONCENTRATES FOR MAKING THE SAME. CHERO-COLA COMPANY, doing business as Chero-Cola Bottlers' Laboratories, Columbus, Ga.
Filed November 19, 1924. Serial No. 205,512. PUBLISHED JANUARY 13, 1925.

207,318. MILL WHITE (PAINT ENAMEL). THE MARIETTA PAINT & COLOR COMPANY, Marietta, Ohio.
Filed April 13, 1925. Serial No. 212,625. PUBLISHED OCTOBER 13, 1925.

207,319. GASOLINE. STOLL OIL REFINING COMPANY, Louisville, Ky.
Filed May 18, 1925. Serial No. 214,515. PUBLISHED OCTOBER 13, 1925.

207,320. PURE CANE SIRUP FOR FOOD PURPOSES. NEW ORLEANS COFFEE CO., LTD., New Orleans, La.
Filed June 12, 1925. Serial No. 215,701. PUBLISHED OCTOBER 13, 1925.

207,321. PAINT LACQUERS AND ENAMELS. JOHN LUCAS & COMPANY INCORPORATED, Philadelphia, Pa.
Filed July 18, 1925. Serial No. 217,569. PUBLISHED OCTOBER 13, 1925.

207,322. CERTAIN POTTERY. LENOX INCORPORATED, Trenton, N. J.
Filed July 28, 1925. Serial No. 218,013. PUBLISHED OCTOBER 13, 1925.

207,323. PLATES, CUPS, PLATTERS, BOWLS, AND OTHER TABLEWARE POTTERY. THE SAXON CHINA COMPANY, Sebring, Ohio.
Filed August 4, 1925. Serial No. 218,376. PUBLISHED OCTOBER 13, 1925.

207,324. PINEAPPLES IN THEIR NATURAL STATE. PALO ALTO ORCHARDS COMPANY, South Easton, Mass.
Filed April 6, 1923. Serial No. 178,668. PUBLISHED JANUARY 27, 1925.

207,325. HOSIERY. UNITED HOSIERY STORES CO., Chicago, Ill.
Filed May 26, 1924. Serial No. 197,634. PUBLISHED JUNE 30, 1925.

207,326. FRESH VEGETABLES—NAMELY, FRESH ONIONS, FRESH CUCUMBERS, FRESH EGGPLANT, AND FRESH LETTUCE. ALAMO PACKING CO., Heber and Los Angeles, Calif.
Filed April 6, 1925. Serial No. 212,224. PUBLISHED OCTOBER 20, 1925.

207,327. CANNED HAND SOAP PASTE. LEON B. FLOOD, doing business as P. D. Q. Soap Products Company, Minneapolis, Minn.
Filed May 1, 1925. Serial No. 213,628. PUBLISHED SEPTEMBER 1, 1925.

207,328. FRESH DECIDUOUS FRUITS, FRESH CITROUS FRUITS, FRESH VEGETABLES; MELONS—NAMELY, FRESH WATERMELONS, CANTALOUPES, AND CASABAS; AND FRESH GRAPES. CLAYTON W. HOOKER, Los Angeles, Calif.
Filed April 18, 1925. Serial No. 212,924. PUBLISHED OCTOBER 20, 1925.

207,329. CANDIES. PARK & TILFORD, New York, N. Y.
Filed May 7, 1925. Serial No. 213,989. PUBLISHED OCTOBER 20, 1925.

207,330. CANDIES AND CHOCOLATES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.
Filed May 19, 1925. Serial No. 214,547. PUBLISHED OCTOBER 20, 1925.

207,331. FRESH MELONS AND FRESH VEGETABLES—NAMELY, FRESH LETTUCE. RICHMAN & SAMUELS, New York, N. Y., and Brawley and Los Angeles, Calif.
Filed May 22, 1925. Serial No. 214,749. PUBLISHED OCTOBER 20, 1925.

207,332. CANDY. SIOUX CANDY CO., Sioux City, Iowa.
Filed June 17, 1925. Serial No. 215,946. PUBLISHED OCTOBER 20, 1925.

207,333. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. CENTRAL LEMON ASSOCIATION, Villa Park, Calif.
Filed July 6, 1925. Serial No. 216,879. PUBLISHED OCTOBER 20, 1925.

207,334. CANDY. THE BRECHT CANDY COMPANY, Denver, Colo.
Filed July 13, 1925. Serial No. 217,251. PUBLISHED OCTOBER 20, 1925.

207,335. CANDY. BUNTE BROTHERS, Chicago, Ill.
Filed July 23, 1925. Serial No. 217,757. PUBLISHED OCTOBER 6, 1925.

207,336. CANNED CORN. THE ROSSVILLE PACKING CO., Rossville, Ill.
Filed July 31, 1925. Serial No. 218,207. PUBLISHED OCTOBER 20, 1925.

207,337. CHEWING GUM. THE NATIONAL GUM CO., INC., Newark, N. J.
Filed September 2, 1925. Serial No. 219,679. PUBLISHED OCTOBER 20, 1925.

207,338. FRESH APPLES. LAKE CHELAN FRUIT GROWERS, Chelan, Wash.
Filed September 2, 1925. Serial No. 219,672. PUBLISHED OCTOBER 20, 1925.

207,339. TEA AND COFFEE. DELANO, POTTER & CO., INC., Boston, Mass.
Filed August 29, 1925. Serial No. 219,531. PUBLISHED OCTOBER 20, 1925.

207,340. MALT-EXTRACT SIRUP. JOHN MACAULAY, doing business as Liberty Home Beverage Company, Detroit, Mich.
Filed August 3, 1921. Serial No. 151,326. PUBLISHED MAY 9, 1922.

207,341. FURNITURE AND AUTOMOBILE POLISH. ALBERT L. PIERCE, doing business at Nu-Way Distributing Co., Altoona, Pa.
Filed September 29, 1923. Serial No. 186,390. PUBLISHED OCTOBER 13, 1925.

207,342. CANDY. HARLEY H. WOODS, Chicago, Ill.
Filed July 14, 1924. Serial No. 200,027. PUBLISHED OCTOBER 6, 1925.

207,343. DRY, PASTE, AND READY-MIXED PAINTS, PAINT ENAMELS, VARNISHES AND STAINS, FLAT PAINTS, FLOOR PAINTS, PASTE FILLERS, LIQUID FILLERS, DRIERS. THE THOMSON WOOD FINISHING CO., Philadelphia, Pa.
Filed August 6, 1924. Serial No. 201,060. PUBLISHED OCTOBER 13, 1925.

207,344. NONALCOHOLIC, MALTLESS FLAVOR AND COLORINGS FOR SOFT DRINKS. J. F. LAZIER MANUFACTURING CO., St. Louis, Mo.
Filed January 20, 1925. Serial No. 208,348. PUBLISHED MARCH 24, 1925.

207,345. GASOLINE AND LUBRICATING OILS. ANTHONY PETRO, New Rochelle, N. Y.
Filed April 11, 1925. Serial No. 212,571. PUBLISHED OCTOBER 13, 1925.

207,346. ENAMEL PAINT. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y.
Filed June 5, 1925. Serial No. 215,373. PUBLISHED OCTOBER 13, 1925.

207,347. PASTE AND READY-MIXED PAINTS, PAINT ENAMELS, AND VARNISHES FOR ALL KINDS OF INTERIOR FINISHING PURPOSES. RED SPOT PAINT & VARNISH COMPANY, INCORPORATED, Evansville, Ind.
Filed June 22, 1925. Serial No. 216,216. PUBLISHED OCTOBER 13, 1925.

207,348. PERCALE PIECE GOODS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed August 10, 1925. Serial No. 218,624. PUBLISHED OCTOBER 13, 1925.

207,349. COTTON PIECE GOODS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed August 10, 1925. Serial No. 218,626. PUBLISHED OCTOBER 13, 1925.

207,350. MATCHES. DOUGAL BROS., London, England.
Filed August 12, 1925. Serial No. 218,745. PUBLISHED OCTOBER 13, 1925.

207,351. COTTON PIECE GOODS. MOORESVILLE COTTON MILLS, Mooresville, N. C.
Filed August 15, 1925. Serial No. 218,928. PUBLISHED OCTOBER 13, 1925.

207,352. PIECE GOODS MADE OF SILK. GOLDING FABRICS CORPORATION, New York, N. Y.
Filed August 20, 1925. Serial No. 219,121. PUBLISHED OCTOBER 13, 1925.

207,353. SILK FABRICS IN THE PIECE. B. EDMUND DAVID, INC., New York, N. Y.
Filed August 21, 1925. Serial No. 219,169. PUBLISHED OCTOBER 13, 1925.

207,354. SILK PIECE GOODS. JAS. G. JOHNSON & CO. INC., New York, N. Y.
Filed August 21, 1925. Serial No. 219,188. PUBLISHED OCTOBER 13, 1925.

207,355. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 22, 1925. Serial No. 219,237. PUBLISHED OCTOBER 13, 1925.

207,356. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 22, 1925. Serial No. 219,238. PUBLISHED OCTOBER 13, 1925.

207,357. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 22, 1925. Serial No. 219,239. PUBLISHED OCTOBER 13, 1925.

207,358. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 22, 1925. Serial No. 219,240. PUBLISHED OCTOBER 13, 1925.

207,359. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 22, 1925. Serial No. 219,241. PUBLISHED OCTOBER 13, 1925.

207,360. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 22, 1925. Serial No. 219,242. PUBLISHED OCTOBER 13, 1925.

207,361. COTTON PIECE GOODS. MATTHEW W. RYAN, doing business as W. H. Brown Son & Co., New York, N. Y.
Filed August 24, 1925. Serial No. 219,309. PUBLISHED OCTOBER 13, 1925.

207,362. PIPES. ALFRED ORLIK, New York, N. Y.
Filed August 27, 1925. Serial No. 219,447. PUBLISHED OCTOBER 13, 1925.

207,363. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed August 29, 1925. Serial No. 219,523. PUBLISHED OCTOBER 13, 1925.

207,364. SEMIPASTE PAINT. THE H. B. DAVIS COMPANY, Baltimore, Md.
Filed September 1, 1925. Serial No. 219,616. PUBLISHED NOVEMBER 3, 1925.

207,365. SMOKED MEATS—NAMELY, HAMS. F. A. FERRIS & COMPANY, New York, N. Y.
Filed June 1, 1922. Serial No. 164,755. PUBLISHED OCTOBER 27, 1925.

207,366. COFFEE. THE GOYER COMPANY, Greenville, Miss.
Filed October 18, 1924. Serial No. 204,096. PUBLISHED OCTOBER 27, 1925.

207,367. CANNED CAVIAR. RUSSIAN AMERICAN FISH PRODUCTS CORPORATION, New York, N. Y.
Filed December 18, 1924. Serial No. 206,922. PUBLISHED OCTOBER 27, 1925.

207,368. MARCHPANE. MARLO-WERKE, G. M. B. H., Bad Schwartau, near Lubeck, Germany.
Filed March 17, 1925. Serial No. 211,172. PUBLISHED OCTOBER 27, 1925.

207,369. MALT SIRUP FOR BEVERAGE PURPOSES. FIDELITY HOP & MALT COMPANY, Chicago, Ill.
Filed March 25, 1925. Serial No. 211,581. PUBLISHED OCTOBER 27, 1925.

207,370. MALT SIRUP FOR BEVERAGE PURPOSES. FIDELITY HOP & MALT COMPANY, Chicago, Ill.
Filed March 25, 1925. Serial No. 211,583. PUBLISHED OCTOBER 27, 1925.

207,371. DRIED FRUITS—NAMELY, DRIED PRUNES. ROSENBERG BROS. & CO., San Francisco, Calif.
Filed April 6, 1925. Serial No. 212,296. PUBLISHED OCTOBER 27, 1925.

207,372. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed May 6, 1925. Serial No. 213,881. PUBLISHED OCTOBER 27, 1925.



207,373. SAUSAGE AND HAM, PORK LOINS, BACON, AND PORK SHOULDERS. JOHN R. STETSON, JR., Pittsfield, Mass.
Filed May 20, 1925. Serial No. 214,630. PUBLISHED OCTOBER 27, 1925.

207,374. SAFETY MATCHES. SUOMEN OSUUSKAUPPOJEN KESKUSKUNTA, R. L., Helsingfors, Finland.
Filed May 29, 1925. Serial No. 215,105. PUBLISHED OCTOBER 20, 1925.

207,375. CANNED PEAS, KRAUT, AND BEANS. BLAIR CANNING CO., Blair, Wis.
Filed June 12, 1925. Serial No. 215,678. PUBLISHED OCTOBER 27, 1925.

207,376. CANDY. THE D. L. CLARK CO., Pittsburgh, Pa.
Filed June 13, 1925. Serial No. 215,735. PUBLISHED OCTOBER 27, 1925.

207,377. CHINESE CANNED FOOD—NAMELY, CHICKEN CHOP SUEY. THE LAW CANNING COMPANY, Portland, Oreg.
Filed June 27, 1925. Serial No. 216,551. PUBLISHED OCTOBER 27, 1925.

207,378. MALT BEVERAGES AND MALT TONIC. MCAVOY COMPANY, Chicago, Ill.
Filed June 27, 1925. Serial No. 216,554. PUBLISHED OCTOBER 20, 1925.

207,379. CANNED FRUITS. F. E. BOOTH CO., San Francisco, Calif.
Filed July 6, 1925. Serial No. 216,870. PUBLISHED OCTOBER 27, 1925.

207,380. CERTAIN PIECE GOODS. ROSSMAN BROTHERS, New York, N. Y.
Filed July 7, 1925. Serial No. 216,995. PUBLISHED OCTOBER 20, 1925.

207,381. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 3, 1925. Serial No. 219,735. PUBLISHED OCTOBER 20, 1925.

207,382. NONALCOHOLIC, MALTLESS BEVERAGES. ARTIC FRUIT ALE COMPANY, Detroit, Mich.
Filed July 25, 1925. Serial No. 217,849. PUBLISHED OCTOBER 20, 1925.

207,383. NONALCOHOLIC, MALTLESS BEVERAGES. ARTIC FRUIT ALE COMPANY, Detroit, Mich.
Filed July 25, 1925. Serial No. 217,850. PUBLISHED OCTOBER 20, 1925.

207,384. NONALCOHOLIC, MALTLESS BEVERAGES. ARTIC FRUIT ALE COMPANY, Detroit, Mich.
Filed July 25, 1925. Serial No. 217,851. PUBLISHED OCTOBER 20, 1925.

207,385. NONALCOHOLIC, MALTLESS BEVERAGES. ARTIC FRUIT ALE COMPANY, Detroit, Mich.
Filed July 25, 1925. Serial No. 217,852. PUBLISHED OCTOBER 20, 1925.

207,386. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS; EXTRACTS, CONCENTRATES, AND SIRUPS FOR MAKING THE SAME. FLORIDA BOTTLERS CO., Jacksonville, Fla.
Filed August 28, 1925. Serial No. 219,480. PUBLISHED OCTOBER 27, 1925.

207,387. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed August 29, 1925. Serial No. 219,524. PUBLISHED OCTOBER 20, 1925.

207,388. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed August 31, 1925. Serial No. 219,574. PUBLISHED OCTOBER 20, 1925.

207,389. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed August 31, 1925. Serial No. 219,575. PUBLISHED OCTOBER 20, 1925.

207,390. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 31, 1925. Serial No. 219,581. PUBLISHED OCTOBER 20, 1925.

207,391. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 31, 1925. Serial No. 219,582. PUBLISHED OCTOBER 20, 1925.

207,392. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 31, 1925. Serial No. 219,583. PUBLISHED OCTOBER 20, 1925.

207,393. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 1, 1925. Serial No. 219,621. PUBLISHED OCTOBER 20, 1925.

207,394. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 3, 1925. Serial No. 219,736. PUBLISHED OCTOBER 20, 1925.

207,395. FRESH CITROUS FRUITS — NAMELY, ORANGES, LEMONS, GRAPEFRUIT; FRESH GRAPES; MELONS — NAMELY, CANTALOUPES; FRESH VEGETABLES — NAMELY, TOMATOES, LETTUCE, CAULIFLOWER, CELERY, AND CABBAGE. OSBORNE FRUIT & VEGETABLE CO., Fullerton, Calif.
Filed September 4, 1925. Serial No. 219,838. PUBLISHED OCTOBER 27, 1925.

207,396. CANNED VEGETABLES — NAMELY, PEAS. STAUB-RICHARDSON COMPANY, Waukesha, Wis.
Filed September 5, 1925. Serial No. 219,916. PUBLISHED OCTOBER 27, 1925.

207,397. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed September 10, 1925. Serial No. 220,058. PUBLISHED OCTOBER 27, 1925.

207,398. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO., INC., New York, N. Y.
Filed September 11, 1925. Serial No. 220,107. PUBLISHED OCTOBER 20, 1925.

207,399. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 16, 1925. Serial No. 220,278. PUBLISHED OCTOBER 20, 1925.

207,400. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 16, 1925. Serial No. 220,279. PUBLISHED OCTOBER 20, 1925.

207,401. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 16, 1925. Serial No. 220,299. PUBLISHED OCTOBER 20, 1925.

207,402. CHOCOLATE CANDY IN THE FORM OF CHIPS. THE VOEGELE & DINNING COMPANY, Huntington, W. Va.
Filed August 18, 1925. Serial No. 219,049. PUBLISHED OCTOBER 27, 1925.

207,403. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. DIAMOND BOTTLING CORPORATION, Waterbury, Conn.
Filed August 17, 1925. Serial No. 218,955. PUBLISHED OCTOBER 20, 1925.

207,404. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. DIAMOND BOTTLING CORPORATION, Waterbury, Conn.
Filed August 17, 1925. Serial No. 218,954. PUBLISHED OCTOBER 20, 1925.

207,405. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. SHERWOOD P. SNYDER, doing business as Shurry Beverage Company, Dayton, Ohio.
Filed August 14, 1925. Serial No. 218,876. PUBLISHED OCTOBER 20, 1925.

207,406. MALT EXTRACTS. MICHAEL PETER, doing business as O. D. Specialty Company, Chicago, Ill. Filed August 14, 1925. Serial No. 218,871. PUBLISHED OCTOBER 20, 1925.

207,407. CANNED TAMALES. MELVILLE J. KLEIN, doing business as Klein Tamales Company, Memphis, Tenn.
Filed August 12, 1925. Serial No. 218,764. PUBLISHED OCTOBER 27, 1925.

207,408. COFFEE. INDEPENDENCE COFFEE & SPICE CO., Denver, Colo.
Filed August 10, 1925. Serial No. 218,644. PUBLISHED OCTOBER 27, 1925.

207,409. COFFEE AND TEA. F. C. BROWN & COMPANY, Chicago, Ill.
Filed August 10, 1925. Serial No. 218,595. PUBLISHED OCTOBER 27, 1925.

207,410. LINEN CLOTH FOR MILLINERY AND HAT MANUFACTURING PURPOSES. ANDREW MCLEAN COMPANY, Passaic, N. J.
Filed August 6, 1925. Serial No. 218,497. PUBLISHED OCTOBER 20, 1925.

207,411. ALL-WORSTED DRESS FABRICS. THE ATLANTIC MILLS, Olneyville, R. I.
Filed August 7, 1925. Serial No. 218,443. PUBLISHED OCTOBER 20, 1925.

207,412. FRESH FRUITS—NAMELY, FRESH CHERRIES, APRICOTS, PEACHES, PLUMS, AND GRAPES. E. E. MORSE, Lodi, Calif.
Filed August 14, 1925. Serial No. 218,865. PUBLISHED OCTOBER 27, 1925.

207,413. CANDY. PETER DELANEY, doing business as Delaney & Young, Eureka, Calif.
Filed July 31, 1925. Serial No. 218,167. PUBLISHED OCTOBER 27, 1925.

207,414. GINGER ALE, A NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. DOMINION GINGER ALE CORP., New York, N. Y.
Filed August 26, 1925. Serial No. 219,385. PUBLISHED OCTOBER 27, 1925.

207,415. HAMS, BACON, SHOULDERS, AND SAUSAGE. HENNEBERRY & COMPANY, Arkansas City, Kans.
Filed August 20, 1925. Serial No. 219,123. PUBLISHED OCTOBER 27, 1925.

207,416. WOOLEN AND WORSTED FABRICS IN THE PIECE. DETMER, BRUNER & MASON, INC., New York, N. Y.
Filed August 22, 1925. Serial No. 219,284. PUBLISHED OCTOBER 20, 1925.

207,417. MALT SIRUP. MICHAEL MAZER, doing business as Hoch-Unix Malt Co., Springfield, Mass.
Filed July 25, 1925. Serial No. 217,888. PUBLISHED OCTOBER 20, 1925.

207,418. MALT SIRUP. MICHAEL MAZER, doing business as Hoch-Unix Malt Co., Springfield, Mass.
Filed July 25, 1925. Serial No. 217,889. PUBLISHED OCTOBER 20, 1925.

207,419. CERTAIN PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed July 28, 1925. Serial No. 218,000. PUBLISHED OCTOBER 20, 1925.

207,420. SAFETY MATCHES. SUOMEN OSUUSKAUPPOJEN KESKUSKUNTA, R. L., Helsingfors, Finland.
Filed August 24, 1925. Serial No. 219,311. PUBLISHED OCTOBER 20, 1925.

207,421. BACON. C. & T. HARRIS (CALNE) LIMITED, Calne, Wiltshire, England.
Filed August 24, 1925. Serial No. 219,279. PUBLISHED OCTOBER 27, 1925.

## [ACT OF FEBRUARY 20, 1905.]
## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

207,422. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LESLIE ALBAN WRIGHT, Arlington, Tex. Filed Aug. 10, 1925. Serial No. 218,680.

Wright's Turkey Aid

*Particular description of goods.*—Poultry Remedy for the Treatment of Blackhead, Droopiness, and Liver Troubles in Turkeys and Other Poultry.
*Claims use* since Jan. 1, 1924.

207,423. (CLASS 12. CONSTRUCTION MATERIALS.) HEAT SEALING KANT-BURN COMPANY, Chicago, Ill. Filed July 16, 1925. Serial No. 217,460.

HEAT SEALING KANT BURN CO.
White Heat

*Particular description of goods.*—Refractory Cement.
*Claims use* since January, 1924.

207,424. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAN ANTWERP'S DRUG CORP. INC., Mobile, Ala. Filed Dec. 17, 1924. Serial No. 206,869.

Van Antwerp's
THE BEST ONLY

*Particular description of goods.*—Certain Named Food-Flavoring Extracts and Spices and Coconut Oil.
*Claims use* since February, 1909.

207,425. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MYLES SALT CO., LTD., New Orleans, La. Filed Nov. 3, 1924. Serial No. 204,779.

MYLES
NATURAL
CRYSTAL
SALT

*Particular description of goods.*—Salt.
*Claims use* since Oct. 16, 1924.

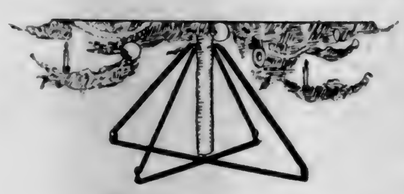


207,426. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) S. GLEMBY'S SONS CO., INC., New York, N. Y. Filed Nov. 12, 1923. Serial No. 188,240.

Jean

*Particular description of goods.*—Hairpins, Safety Pins, and Toilet Pins.
*Claims use* since Oct. 17, 1923.

207,427. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MARTIN J. PRINCE, West Berkeley, Calif. Filed Nov. 25, 1924. Serial No. 205,836.



*Particular description of goods.*—Christmas-Tree Holders.
*Claims use* since Nov. 12, 1924.

207,428. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE CRAWFORD, MCGREGOR & CANBY COMPANY, Dayton, Ohio. Filed Oct. 30, 1923. Serial No. 187,665.

ABERDEEN

*Particular description of goods.*—Golf Clubs.
*Claims use* since Oct. 1, 1923.

207,429. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE TURNER & SEYMOUR MANUFACTURING CO., Torrington, Conn. Filed June 26, 1924. Serial No. 199,197.

HY-HEAT

*Particular description of goods.*—Casehardening Boxes, Annealing Boxes, Cyanide Boxes, Cyanide Pots, Aluminum Pots, and Quenching Tanks.
*Claims use* since Oct. 23, 1923.

207,430. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JOHN WILSON, Seattle, Wash. Filed Apr. 7, 1924. Serial No. 195,147.

NATIONAL

*Particular description of goods.*—Range Boilers.
*Claims use* since Jan. 1, 1920.

207,431. (CLASS 10. FERTILIZERS.) THE WUICHET FERTILIZER COMPANY, Dayton, Ohio. Filed Nov. 7, 1925. Serial No. 223,011.

DAYTON

*Particular description of goods.*—Fertilizers.
*Claims use* since 1906.

207,432. (CLASS 10. FERTILIZERS.) THE WUICHET FERTILIZER COMPANY, Dayton, Ohio. Filed Nov. 7, 1925. Serial No. 223,013.

MIAMI

*Particular description of goods.*—Fertilizers.
*Claims use* since about 1900.

207,433. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD SCHEIDT, doing business as Superior Malt Extract Co., Chicago, Ill. Filed Sept. 4, 1925. Serial No. 219,852.

SUPERIOR

*Particular description of goods.*—Malt Extract for Food Purposes.
*Claims use* since Aug. 1, 1919.

207,434. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRISCILLA HANCOCK, Chilmark, Mass. Filed July 17, 1925. Serial No. 217,513.

The Priscilla Hancock Candies

*Particular description of goods.*—Candies.
*Claims use* since June, 1921.

207,435. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. B. RUSSELL, doing business as M. C. Russell Company, Maysville, Ky. Filed July 6, 1925. Serial No. 216,941.

KY.

*Particular description of goods.*—Canned Corn, Peas, and Tomatoes.
*Claims use* since June 24, 1911.

207,436. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) NICHOLS COPPER COMPANY, New York, N. Y. Filed Sept. 24, 1925. Serial No. 220,736.

HERRESHOFF

*Particular description of goods.*—Ore-Roasting Furnaces and Parts Therefor.
*Claims use* for not less than one year.

## TRADE-MARK REGISTRATIONS RENEWED

27,257. CHEMICAL AND PHARMACEUTICAL PRODUCTS CONSISTING OF AMMONIA PREPARATIONS. Registered November 19, 1895. CHEMISCHE FABRIK AUF ACTIEN (VORM. E. SCHERING), Berlin, Germany. Renewed November 19, 1925, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

44,493. TOOTH, NAIL, HAIR, AND FLESH BRUSHES. Registered July 11, 1905. MARTIN & BOWNE COMPANY, New York, N. Y. Renewed July 11, 1925, to Smith, Kline & French Co., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

44,827. MINT CANDY. Registered July 25, 1905. ARTEMAS P. RICHARDSON. Renewed July 25, 1925, to Thos. D. Richardson, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

45,033. PLAITED CREAM MINT AND OTHER CANDY. Registered August 1, 1905. ARTEMAS P. RICHARDSON. Renewed August 1, 1925, to Thos. D. Richardson, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

45,034. MINT CANDY. Registered August 1, 1905. ARTEMAS P. RICHARDSON. Renewed August 1, 1925, to Thos. D. Richardson Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

45,048. REFRIGERATORS. Registered August 1, 1905. MAINE MANUFACTURING COMPANY. Renewed August 1, 1925, to The Maine Manufacturing Company, Nashua, N. H., a Corporation of New Hampshire, assignee by mesne assignments.

45,637. REFRIGERATORS. Registered August 22, 1905. MAINE MANUFACTURING COMPANY. Renewed August 22, 1925, to The Maine Manufacturing Company, Nashua, N. H., a Corporation of New Hampshire, assignee by mesne assignments.

46,101. COTTON DOMETS AND COTTON AND WOOL SHAKER FLANNELS. Registered September 5, 1905. EDSON, MOORE & CO. Renewed September 5, 1925, to Edson, Moore & Co., Detroit, Mich., a Corporation of Michigan, assignee.

46,889. SOUVENIR ARTICLES CONSISTING OF BADGES, PINS, CHARMS, AND BUTTONS. Registered October 10, 1905. UNITED SOCIETY OF CHRISTIAN ENDEAVOR, Boston, Mass., a Corporation of Massachusetts. Renewed October 10, 1925.

46,926. WHISKS. Registered October 17, 1905. LEE BROOM & DUSTER COMPANY. Renewed October 17, 1925, to The Lee Broom Company, Lincoln, Nebr., a Corporation of Nebraska, assignee.

47,273. PIE FILLINGS. Registered October 31, 1905. H. A. JOHNSON & CO. Renewed October 31, 1925, to H. A. Johnson Company, Boston, Mass., a Corporation of Massachusetts, successor.

47,536. UNDERSHIRTS, DRAWERS, AND COMBINATION SUITS. Registered November 7, 1905. THE COOPER M'F'G. CO., Bennington, Vt. Renewed November 7, 1925, to The Allen A Company, Kenosha, Wis., a Corporation of Delaware, assignee.

47,548. SOCIETY EMBLEMS. Registered November 7, 1905. SINNOCK & SHERRILL, New York, N. Y. Renewed November 7, 1925.

47,557. PAINTS AND ENAMELS. Registered November 14, 1905. CHICAGO VARNISH COMPANY, Chicago, Ill. Renewed November 14, 1925, to The Morgan Company, Peoria, Ill., a Corporation of Indiana, assignee.

47,801. A PREPARATION FOR ASTHMA, CATARRH, AND SIMILAR AFFECTIONS. Registered November 21, 1905. HIMROD MANUFACTURING COMPANY, New York, N. Y. Renewed November 21, 1925, to Himrod Manufacturing Company, New York, N. Y., and Jersey City, N. J., a Corporation of Delaware, assignee.



47,816. FLAGS AND BANNERS. Registered November 21, 1905. UNITED SOCIETY OF CHRISTIAN ENDEAVOR, Boston, Mass., a Corporation of Massachusetts. Renewed November 21, 1925.

47,826. BROOMS, BRUSHES, WHISKS, AND DUSTERS. Registered November 21, 1905. LEE BROOM & DUSTER COMPANY. Renewed November 21, 1925, to The Lee Broom Company, Lincoln, Nebr., a Corporation of Nebraska, assignee.

47,902. MOTH SHEETS AND BAGS. Registered November 28, 1905. MARGARET E. MANAHAN. Renewed November 28, 1925, to Manahan Moth Paper Company, New York, N. Y., a Corporation of New York, assignee.

47,903. MOTH PAPER AND MOTH BAGS. Registered November 28, 1905. THOMAS MANAHAN. Renewed November 28, 1925, to Manahan Moth Paper Company, New York, N. Y., a Corporation of New York, assignee.

48,090. LEATHER BOOTS, SHOES, AND SLIPPERS, AND UPPER AND SOLE LEATHER. Registered December 12, 1905. PACKARD & FIELD. Renewed December 12, 1925, to Field and Flint Co., Brockton, Mass., a Corporation of Massachusetts, assignee by mesne assignments.

48,215. LEATHER BOOTS, SHOES, AND SLIPPERS, AND UPPER AND SOLE LEATHER. Registered December 19, 1905. PACKARD & FIELD. Renewed December 19, 1925, to Field and Flint Co., Brockton, Mass., a Corporation of Massachusetts, assignee by mesne assignments.

48,232. STEEL. Registered December 19, 1905. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed December 19, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey, assignee.

48,262. OLIVES. Registered December 19, 1905. CHARLES GULDEN. Renewed December 19, 1925, to Mawer-Gulden-Annis, Inc., New York, N. Y., a Corporation of New York, assignee.

48,279. BOYS' BLOUSES AND WAISTS. Registered December 19, 1905. GREENEBAUM BROTHERS. Renewed December 19, 1925, to Greenebaum Bros. & Co., Philadelphia, Pa., a Copartnership, assignee.

48,292. CARPETS. Registered December 19, 1905. THE HARTFORD CARPET CORPORATION, Thompsonville, Conn. Renewed December 19, 1925, to Bigelow-Hartford Carpet Company, Clinton, Mass.; Thompsonville, Conn., and New York, N. Y., a Corporation of Massachusetts, assignee.

48,295. PREPARED GELATIN. Registered December 19, 1905. WHITMAN GROCERY COMPANY. Renewed December 19, 1925, to Minute Tapioca Co., Orange, Mass., a Corporation of Massachusetts, assignee.

48,349. STEEL. Registered December 26, 1905. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed December 26, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey, assignee.

48,350. STEEL. Registered December 26, 1905. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed December 26, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey, assignee.

48,387. PREPARED TAPIOCA. Registered December 26, 1905. WHITMAN GROCERY COMPANY. Renewed December 26, 1925, to Minute Tapioca Co., Orange, Mass., a Corporation of Massachusetts, assignee.

48,499. FLAVORING EXTRACTS. Registered January 2, 1906. CRESCENT MANUFACTURING CO., Seattle, Wash., a Corporation of the State of Washington. Renewed January 2, 1926.

48,851. BISCUITS AND CRACKERS. Registered January 16, 1906. A. EXTON & CO., Trenton, N. J. Renewed January 16, 1926.

48,917. A REMEDY FOR CHICKEN CHOLERA, ROUP, AND LIMBERNECK. Registered January 16, 1906. JONATHAN ROBERT CRUME. Renewed January 16, 1926, to J. Robert Crume, Bardstown, Ky.

49,068. COFFEE. Registered January 23, 1906. CRESCENT MANUFACTURING CO., Seattle, Wash., a Corporation of the State of Washington. Renewed January 23, 1926.

49,163. STEEL. Registered January 23, 1906. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed January 23, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey, assignee.

49,164. STEEL. Registered January 23, 1906. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed January 23, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey, assignee.

49,236. COTTON PIECE GOODS. Registered January 30, 1906. INDIAN HEAD MILLS OF ALABAMA, Cordova, Ala., a Corporation of Alabama. Renewed January 30, 1926.

49,357. SHARPENING STONES. Registered January 30, 1906. THE PIKE MANUFACTURING COMPANY, Pike, Littleton, and Lisbon, N. H.; Hot Springs, Ark.; Orleans, Ind.; Evansville, Vt., and New York, N. Y. Renewed January 30, 1926, to The Pike Manufacturing Company, Pike, N. H., a Corporation of New Hampshire.

49,358. HONES. Registered January 30, 1906. THE PIKE MANUFACTURING COMPANY, Pike, Littleton, and Lisbon, N. H.; Hot Springs, Ark.; Orleans, Ind.; Evansville, Vt., and New York, N. Y. Renewed January 30, 1926, to The Pike Manufacturing Company, Pike, N. H., a Corporation of New Hampshire.

49,364. RECORDS FOR TALKING MACHINES. Registered January 30, 1906. VICTOR TALKING MACHINE COMPANY, Camden, N. J., a Corporation of New Jersey. Renewed January 30, 1926.

49,530. LEATHER BOOTS AND SHOES. Registered February 6, 1906. M. N. ARNOLD CO., North Abington and Boston, Mass. Renewed February 6, 1926, to M. N. Arnold Shoe Company, North Abington, Mass., a Corporation of Massachusetts, successor.

49,652. PIANOS. Registered February 13, 1906. EMIL E. GABLER, New York, N. Y. Renewed February 13, 1926, to Emil E. Gabler, Upper Saranac, N. Y.

49,869. STEEL. Registered February 20, 1906. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed February 20, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey, assignee.

49,996. GAME BOARDS. Registered February 27, 1906. CARROM-ARCHERENA CO. Renewed February 27, 1926, to The Carrom Company, Ludington, Mich., a Corporation of Michigan, successor.

50,158. A MONTHLY MAGAZINE. Registered March 6, 1906. REVIEW PUBLISHING COMPANY, New York, N. Y., a Corporation of New York. Renewed March 6, 1926.

50,214. LACINGHOOKS AND LACING STUDS. Registered March 6, 1906. TUBULAR RIVET & STUD COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed March 6, 1926.

50,262. SPIRIT VINEGAR. Registered March 6, 1906. CHAS. E. MEYER & CO., Freeport, Ill., a Corporation of Illinois. Renewed March 6, 1926.

50,461. RESPIRATORS. Registered March 20, 1906. HARVEY S. COVER, South Bend, Ind. Renewed Mar. 20, 1926.

50,466. LUBRICATING OILS AND GREASES. Registered March 20, 1906. FRANK B. HOWER. Renewed March 20, 1926, to Enterprise Oil Company, Inc., Buffalo, N. Y., a Corporation of New York, assignee.

50,475. LOZENGES. Registered March 20, 1906. New England Confectionery Co. Renewed March 20, 1926, to New England Confectionery Company, Boston, Mass., a Corporation of Massachusetts, assignee.

50,493. CRANBERRIES. Registered March 20, 1906. JOSEPH J. WHITE. Renewed March 20, 1926, to Joseph J. White, Inc., New Lisbon, N. J., a Corporation of New Jersey, successor.

50,573. HAIR RESTORERS. Registered March 20, 1906. BENJAMIN T. GOLDMAN. Renewed March 20, 1926, to Benjamin T. Gale, St. Paul, Minn., a Corporation of Minnesota, successor.

50,628. IRON AND STEEL CASTINGS AND FORGINGS. Registered March 27, 1906. THE MCCONWAY & TORLEY CO., Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed March 27, 1926.

50,748. OUTER GARMENTS. Registered March 27, 1906. LEVI STRAUSS & CO., San Francisco, Calif., a Corporation of California. Renewed March 27, 1926.

50,770. A CONSUMPTION REMEDY. Registered March 27, 1906. THE PISO COMPANY, Warren, Pa., a Corporation of Pennsylvania. Renewed March 27, 1926.

50,771. A REMEDY FOR CATARRH. Registered March 27, 1906. THE PISO COMPANY, Warren, Pa., a Corporation of Pennsylvania. Renewed March 27, 1926.

50,824. INSULATED WIRE AND INSULATED WIRE CABLES. Registered April 3, 1906. PHILLIPS INSULATED WIRE CO. Renewed April 3, 1926, to Phillips Wire Company, Pawtucket, R. I., a Corporation of Rhode Island, assignee.

50,825. INSULATED CONDUCTING WIRES. Registered April 3, 1906. PHILLIPS INSULATED WIRE CO. Renewed April 3, 1926, to Phillips Wire Company, Pawtucket, R. I., a Corporation of Rhode Island, assignee.

50,874. CIGARS AND CHEROOTS. Registered April 3, 1906. OTTO EISENLOHR & BROS. Renewed April 3, 1926, to Otto Eisenlohr & Bros. Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

50,882. FILES AND RASPS AND HANDLES AND HOLDERS THEREFOR. Registered April 3, 1906. NICHOLSON FILE COMPANY, Providence, R. I., a Corporation of Rhode Island. Renewed April 3, 1926.

50,950. CERTAIN NAMED TOOLS. Registered April 3, 1906. THE J. M. CARPENTER TAP & DIE CO., Pawtucket, R. I., a Corporation of Rhode Island. Renewed April 3, 1926.

51,021. TICKINGS. Registered April 3, 1906. EAGLE & PHENIX MILLS, Columbus, Ga., a Corporation of Georgia. Renewed April 3, 1926.

51,023. COTTON PLAIDS AND STRIPES. Registered April 3, 1906. EAGLE & PHENIX MILLS, Columbus, Ga., a Corporation of Georgia. Renewed April 3, 1926.

51,080. CANNED FRUITS AND VEGETABLES. Registered April 3, 1906. JOHN EDWARD KRIETE, Dunnsville, Va. Renewed April 3, 1926, to Old Dominion Canning Company, Incorporated, Roanoke, Va., a Corporation of Virginia, assignee.

51,128. TICKINGS. Registered April 3, 1906. EAGLE & PHENIX MILLS, Columbus, Ga., a Corporation of Georgia. Renewed April 3, 1926.

51,129. COTTON PIECE GOODS. Registered April 3, 1906. EAGLE & PHENIX MILLS, Columbus, Ga., a Corporation of Georgia. Renewed April 3, 1926.

51,168. COTTON PIECE GOODS. Registered April 3, 1906. EAGLE & PHENIX MILLS, Columbus, Ga., a Corporation of Georgia. Renewed April 3, 1926.

51,361. A LIQUID PREPARATION OF SODIUM PHOSPHATE. Registered April 10, 1906. VOIGT & CO. Renewed April 10, 1926, to Voigt & Co., Chattanooga, Tenn., a Corporation of Tennessee, assignee.

51,381. HORSE COLLARS. Registered April 17, 1906. WYETH HARDWARE & MANUFACTURING COMPANY, St. Joseph, Mo., a Corporation of Missouri. Renewed April 17, 1926.

51,516. PIG IRON. Registered April 17, 1906. CLINTON IRON AND STEEL COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 17, 1926.

51,711. RUBBER BOOTS AND SHOES. Registered April 24, 1906. LAMBERTVILLE RUBBER COMPANY, Lambertville, N. J., a Corporation of New Jersey. Renewed April 24, 1926.

51,730. COTTON PIECE GOODS. Registered April 24, 1906. PARKHILL MFG. CO., Fitchburg, Mass., a Corporation of Massachusetts. Renewed April 24, 1926.

51,748. MOPS. Registered April 24, 1906. PALMER, HILL & CO. Renewed April 24, 1926, to Walter C. Palmer, doing business as W. R. Palmer & Co., Cincinnati, Ohio, successor.

51,757. WHEAT FLOUR. Registered April 24, 1906. WELLS ABBOTT NIEMAN COMPANY. Renewed April 24, 1926, to Wells-Abbott-Nieman Co., Inc., Schuyler, Nebr., a Corporation of Nebraska, assignee.

51,784. UNDERSHIRTS AND DRAWERS AND UNION SUITS. Registered April 24, 1906. THE DEIMEL LINEN-MESH SYSTEM COMPANY, San Francisco, Calif., and New York, N. Y. Renewed April 24, 1926, to The Deimel Linen-Mesh System Company, San Francisco, Calif., a Corporation of California.

51,812. PIANOS. Registered April 24, 1906. W. W. KIMBALL COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed April 24, 1926.

51,818. GINGER ALE. Registered April 24, 1906. ADOLF R. HOLTHUSEN. Renewed April 24, 1926, to Duffy-Mott Company, Inc., New York, N. Y., a Corporation of New York, assignee.

51,833. DRESSING FOR BOOTS AND SHOES. Registered April 24, 1906. F. H. YOUNG COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed April 24, 1926.

51,834. CLEANING COMPOUNDS FOR DUCK AND CANVAS. Registered April 24, 1906. F. H. YOUNG COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed April 24, 1926.

51,890. MOUTH HARMONICAS. Registered April 24, 1906. FIRM OF M. HOHNER. Renewed April 24, 1926, to M. Hohner, Inc., New York, N. Y., a Corporation of New York, assignee.

51,900. OAK-TANNED COWHIDE, HARNESS LEATHER, SKIRTING, AND CUT STOCK. Registered April 24, 1906. KULLMAN, SALZ & COMPANY, San Francisco, Calif., a Corporation of California. Renewed April 24, 1926.

51,918. CASTOR OIL. Registered April 24, 1906. THE BAKER CASTOR OIL COMPANY, New York, N. Y. Renewed April 24, 1926, to The Baker Castor Oil Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey.

51,926. DRESSING FOR BOOTS AND SHOES. Registered April 24, 1906. F. H. YOUNG COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed April 24, 1926.

51,927. CLEANING COMPOUNDS FOR DUCK OR CANVAS. Registered April 24, 1906. F. H. YOUNG COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed April 24, 1926.

51,949. FACE POWDER. Registered April 24, 1906. JOSEPH TETLOW. Renewed April 24, 1926, to Henry Tetlow Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

52,020. WATER WHEELS AND WATER-WHEEL MOTORS. Registered May 1, 1906. THE PELTON WATER WHEEL CO., San Francisco, Calif., a Corporation of California. Renewed May 1, 1926.

52,043. COCOA. Registered May 1, 1906. RUNKEL BROTHERS, INCORPORATED, New York, N. Y., a Corporation of New York. Renewed May 1, 1926.

52,044. CHOCOLATE. Registered May 1, 1906. RUNKEL BROTHERS, INCORPORATED, New York, N. Y., a Corporation of New York. Renewed May 1, 1926.



52,072. COAL AND COKE. Registered May 1, 1906. HULL COAL AND COKE CORPORATION, Roanoke, Va. Renewed May 1, 1926, to Red Jacket Consolidated Coal and Coke Company, Inc., Columbus, Ohio, a Corporation of Virginia, assignee.

52,075. MINT CANDY. Registered May 1, 1906. MANUFACTURING COMPANY OF AMERICA. Renewed May 1, 1926, to Thos. D. Richardson Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

52,117. PACKAGE ROLLS OF GOLD, SILVER, ALUMINUM, COMPOSITION, OR OTHER METAL LEAF. Registered May 1, 1906. W. H. COE MFG. CO., Providence, R. I., a Corporation of Rhode Island. Renewed May 1, 1926.

52,174. WATCHCASES AND WATCH MOVEMENTS. Registered May 1, 1906. HAYDEN W. WHEELER & CO., New York, N. Y., a Corporation of New York. Renewed May 1, 1926.

52,194. WHEAT FLOUR. Registered May 1, 1906. COLLIN COUNTY MILL & ELEVATOR CO., McKinney, Tex., a Corporation of Texas. Renewed May 1, 1926.

52,198. LAUNDRY STARCH. Registered May 1, 1906. ELECTRIC LUSTRE STARCH COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed May 1, 1926.

52,361. DRILLS AND DRILLING MACHINES. Registered May 8, 1906. HOWELLS MINING DRILL CO., Plymouth, Pa., a Corporation of Pennsylvania. Renewed May 8, 1926.

52,370. BROADCAST SEEDING MACHINES. Registered May 8, 1906. PEORIA DRILL AND SEEDER CO., Peoria, Ill., a Corporation of Illinois. Renewed May 8, 1926.

52,415. A LIQUID ANTISEPTIC AND DISINFECTANT. Registered May 8, 1906. CARRIE V. DORMAN, Washington, D. C. Renewed May 8, 1926.

# LABELS

## REGISTERED DECEMBER 29, 1925.

29,703.—*Title:* C. R. A. SKY-SWEEPER RADIO TUBE. For Electron Tubes. CHARLES R. ARLETT CO., New York, N. Y. Published June 19, 1925.

29,704.—*Title:* BENDIX BRAKES. For Brakes. BENDIX CORPORATION, Chicago, Ill. Published May 31, 1925.

29,705.—*Title:* BRANDES AUDIO TRANSFORMER. For Audiofrequency Transformers. BRANDES PRODUCTS CORPORATION, Newark, N. J. Published August 1, 1925.

29,706.—*Title:* BRANDES PHONOGRAPH ATTACHMENT. For Phonograph Attachments for Radio Receiving Apparatus. BRANDES PRODUCTS CORPORATION, Newark, N. J. Published August 1, 1925.

29,707.—*Title:* BRANDES CABINET UNIT. For Cabinet-Type Radioreproducers. BRANDES PRODUCTS CORPORATION, Newark, N. J. Published August 1, 1925.

29,708.—*Title:* UNCLE WIGGILY AND CAMEO-KID RECORDS FOR CHILDREN. For Phonograph Records. CAMEO RECORD CORPORATION, New York, N. Y. Published Nov. 6, 1925.

29,709.—*Title:* R L C. For Canned Minced Sea Clams. R. L. CRAIG & CO., Los Angeles, Calif. Published November 7, 1925.

29,710.—*Title:* JACKIE COOGAN SERIES. For Phonograph Records. DAVID GRIMES RADIO AND CAMEO RECORD CORPORATION, doing business as Cameo Record Corp., New York, N. Y. Published August 14, 1925.

29,711.—*Title:* WITCH HAZEL. For Bottled Witch-Hazel. THE E. E. DICKINSON CO., Essex, Conn. Published October 1, 1925.

29,712.—*Title:* KING COLE. For Canned Peas. H. C. DRAPER, doing business as Draper Canning Co., Milton, Del. Published May 8, 1924.

29,713.—*Title:* DRAPER'S TOM THUMB BRAND. For Baby Lima Beans. H. C. DRAPER, doing business as Draper Canning Co., Milton, Del. Published May 23, 1925.

29,714.—*Title:* LIQUEUR & COFFEE. For Liqueur and Coffee. R. DRYSDALE & CO., LTD., Edinburgh, Scotland. Published September 20, 1925.

29,715.—*Title:* RUM & COFFEE. For Rum and Coffee. R. DRYSDALE & CO., LTD., Edinburgh, Scotland. Published September 20, 1925.

29,716.—*Title:* DR. WHITES REGULATOR. For Medicine for the Relief of Constipation. FIRST NATIONAL LABORATORIES INC., Lehighton, Pa. Published April 20, 1925.

29,717.—*Title:* PIK-PIK. For Ice Picks. FLETCHER WORKS, INCORPORATED, Philadelphia, Pa. Published November 3, 1925.

29,718.—*Title:* COURT. For Pears. BECKMAN BOYD GREEN, Courtland, Calif. Published July 1, 1925.

29,719.—*Title:* ROYAL ORCHARD. For Fresh Pears. BECKMAN BOYD GREEN, Courtland, Calif. Published April 6, 1925.

29,720.—*Title:* A SUGGESTION. For Toilet Tissue. HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Published October 17, 1925.

29,721.—*Title:* ODONTOCREAM A DENTAL PROPHYLACTIC CREAM. For a Dental Prophylactic Cream. INTERSTATE DENTAL TRADING CO. INC., New York, N. Y. Published November 1, 1925.

29,722.—*Title:* SAZERAC-CAP. For Ginger Ale. JACKSON BREWING COMPANY, New Orleans, La. Published October 17, 1925.

29,723.—*Title:* NABORHOOD. For Coffee. KEYSTONE GROCERY & TEA CO., Pittsburgh, Pa. Published October 15, 1925.

29,724.—*Title:* GOLD-OLIVE. For Shampoo for the Hair. ALFRED J. KRANK, St. Paul, Minn. Published October 20, 1924.

29,725.—*Title:* METROPOLITAN JUVENILE CLOTHING CO. INC. For Clothing. METROPOLITAN JUVENILE CLOTHING CO. INC., New York, N. Y. Published October 16, 1925.

29,726.—*Title:* EDMOORE DEMAND LIMITATOR. For Demand Limitators. EDWARD TALCOTT MOORE, Syracuse, N. Y. Published June 15, 1925.

29,727.—*Title:* MUSICK WONDER REMEDY. For a Medicinal Preparation. HOWARD L. MUSICK, Los Angeles, Calif. Published November 10, 1925.

29,728.—*Title:* NATIONAL FRUIT CHEWS. For Chewing Gum. THE NATIONAL GUM CO., INC., Newark, N. J. Published October 20, 1925.

29,729.—*Title:* PEACH BLOSSOMS. For Candy. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Published February 11, 1925.

29,730.—*Title:* PENNS LONG CUT SMOKING AND CHEWING TOBACCO. For Tobacco. PENN TOBACCO COMPANY, Wilkes-Barre, Pa. Published September 9, 1925.

29,731.—*Title:* TRY-SUM. For Oranges. PIRU CITRUS ASSOCIATION, Piru, Calif. Published September 1, 1925.

29,732.—*Title:* HOME OF RAMONA. For Oranges. PIRU CITRUS ASSOCIATION, Piru, Calif. Published September 1, 1925.

29,733.—*Title:* COMET RICE. For Rice. SEABOARD RICE MILLING CO., Galveston, Tex. Published October 26, 1925.

29,734.—*Title:* BETTY. For Canned Peas. ORLO STEPHENS, Elkhart Lake, Wis. Published October 27, 1925.

29,735.—*Title:* OLD MISSION PAINTS & VARNISHES. For Paints and Varnishes. STOCKTON PAINT COMPANY, Stockton, Calif. Published October 1, 1925.

29,736.—*Title:* MALT EXTRACT. For Malt Extract. ERNEST O. TUSCH, doing business as Home Malt Company, Minneapolis, Minn. Published October 1, 1925.

29,737.—*Title:* WHITE ROSE. For Liquid Clothes Cleaner. WHITE ROSE MANUFACTURING CO., Los Angles, Calif. Published June 15, 1925.

# PRINTS

## REGISTERED DECEMBER 29, 1925.

8,479.—*Title:* A STATEMENT TO MOTHERS BY THE U. S. BUREAU OF EDUCATION. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published November 6, 1925.

8,480.—*Title:* ITS SIMPLE FORM IS EASILY HANDLED BY THE MOST DELICATE DIGESTION. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published November 28, 1925.

8,481.—*Title:* KEYSTONE STORES. For Milk, Pineapple, Coffee, Etc. KEYSTONE GROCERY & TEA COMPANY, Pittsburgh, Pa. Published October 27, 1925.

8,482.—*Title:* SAINT VALENTINE'S DAY. For Groceries. REID, MURDOCH & CO., Chicago, Ill. Published November 23, 1925.

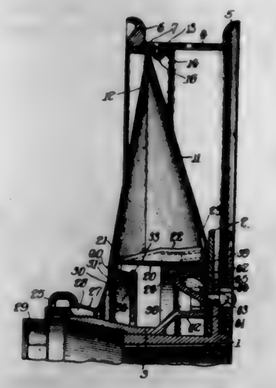
8,483.—*Title:* THE TEN TON TYPE. For Cattle. F. W. A. VESPER, St. Louis, Mo. Published August 19, 1925.

8,484.—*Title:* THE RIGHT ANGLE. For Novelties, Such as Blotters, Fountain Pens, and Paper Weights. CHRISTY WALSH, New York, N. Y. Published April 25, 1924.

# REISSUES

## DECEMBER 29, 1925.

16,235. TENSION-PLATE WHEEL. WILLIAM ERASTUS WILLIAMS, Wilmette, Ill., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich., a Corporation of Michigan. Filed Feb. 27, 1923. Serial No. 621,682. Original No. 1,398,615, dated Nov. 29, 1921, Serial No. 350,108, filed Jan. 8, 1920. 16 Claims. (Cl. 301—63.)



1. The combination with a rim and a hub barrel of two discs secured to the rim and having their hub zones forced laterally into and closely fitting the interior of the opposite ends of the hub, respectively, and corresponding clamping rings pressed into and permanently fixed in the in-bent portions of the disks.

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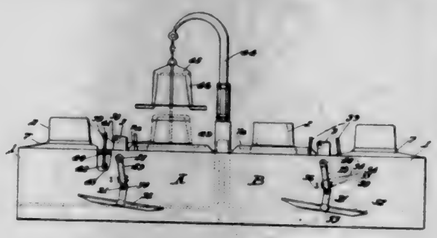
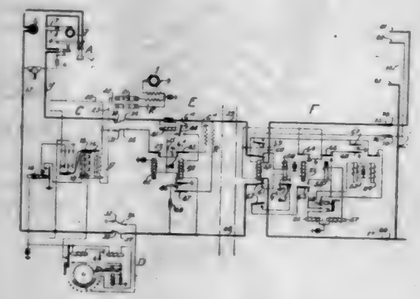
16,236. WIRE-DRAWING MACHINE. FRED B. CROSBY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 7, 1925. Serial No. 48,907. Original No. 1,482,348, dated Jan. 29, 1924, Serial No. 401,840, filed Aug. 7, 1920. 19 Claims. (Cl. 205—16.)



15. In wire drawing apparatus of the class described, a pair of blocks, a die located therebetween, and means selectively operable to impart rotation to either of said blocks, thereby to draw wire through said die in either direction.

16,237. SPECIAL SERVICE TRUNK FOR AUTOMATIC TELEPHONE SYSTEMS. TALBOT G. MARTIN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 30, 1924. Serial No. 710,178. Original No. 1,415,001, dated May 2, 1922, Serial No. 179,310, filed July 9, 1917. 26 Claims. (Cl. 179—27.)



1. In a telephone system comprising a main exchange and a sub-exchange, the combination with subscribers' line in the sub-exchange classified in accordance with the kind of service to which they are entitled, of an operator's position, means including an automatic switch in each exchange for extending a talking circuit from a calling line in the sub-exchange to the said operator's positions, and automatic means controlled by the operator for connecting a distinctive tone to said talking circuit for informing the operator of the class to which the calling subscriber belongs.

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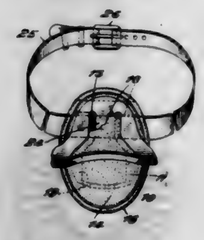
16,238. GUN REST FOR SPORTSMEN. GEORGE THOMPSON, New York, N. Y. Filed Aug. 28, 1924. Serial No. 734,808. Original No. 1,469,285, dated Oct. 2, 1923, Serial No. 594,426, filed Oct. 14, 1922. 9 Claims. (Cl. 224—1.)

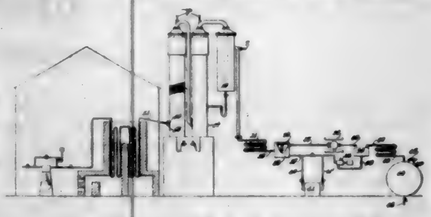


9. A gun rest adapted for quick attachment to or detachment from the clothing of the wearer, comprising a curved seat for supporting the gun, a substantially ver-

tical hook portion for attaching the rest to the belt or clothing of the user, and means forming part of the said hook portion to prevent accidental displacement of the rest from the clothing when the gun is removed therefrom.

16,239. PROCESS OF MAKING MOTOR FUEL. LUIS DE FLOREZ, Pomfret, Conn., assignor, by mesne assignments, to The Texas Company, a Corporation of Texas. Filed Oct. 10, 1924. Serial No. 742,925. Original application filed Dec. 4, 1917, Serial No. 205,290. Renewed June 29, 1922, Serial No. 571,768. Original No. 1,437,045, dated Nov. 28, 1922. 11 Claims. (Cl. 196—12.)

1. A process of making motor fuel which comprises (*a*) cracking under a superatmospheric pressure of several atmospheres and at an elevated temperature, a flowing current of hydrocarbon material containing fractions not sufficiently volatile to serve as constituents of motor fuel, (*b*) removing from the gases and vapors substantially the entire amount of those fractions having boiling points above about 200° C., while at a pressure below that used in the cracking operation, and while leaving in the vapor state, substantially the entire amount of material volatile at such temperature, (*c*) cooling the remaining mixture of gases and vapors to about atmospheric

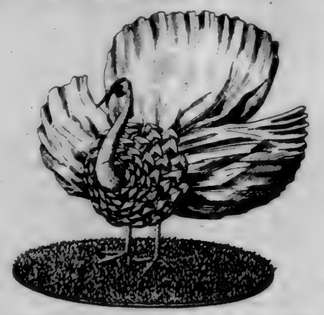


temperature, to condense the major portion of the vapors as a light liquid, (*d*) compressing the remaining gases to a pressure not over about ten atmospheres, (*e*) and absorbing the same in said light liquid while under approximately that pressure.

# DESIGNS

## DECEMBER 29, 1925.

69,106. TABLE ORNAMENT. FLOSSIE G. ALLEBAUGH, Nederland, Colo. Filed Mar. 28, 1925. Serial No. 12,941. Term of patent 3½ years.

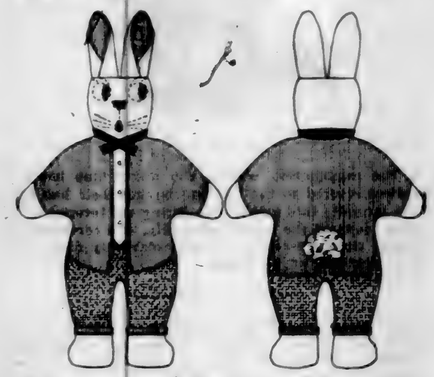


The ornamental design for a table ornament as shown.

69,107. REFLECTOR FOR USE IN LIGHTING FIXTURES. WILLIAM T. BLACKWELL, Westfield, N. J. Filed Apr. 4, 1925. Serial No. 13,019. Term of patent 7 years.

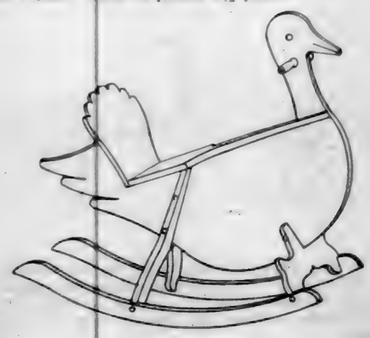
The ornamental design for a reflector for use in lighting fixtures, as shown.

69,108. RABBIT DOLL. NELLIE BLOOM, Bridgewater, Iowa. Filed July 28, 1925. Serial No. 14,242. Term of patent 7 years.



The ornamental design for a rabbit doll, as shown.

69,109. CHILD'S ROCKER. FRANK BRAUN and DWIGHT KIMBLE, Decatur, Ind. Filed Sept. 23, 1925. Serial No. 14,885. Term of patent 3½ years.



The ornamental design for a child's rocker, as shown.



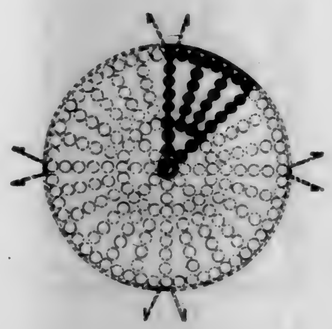
69,110. ATOMIZER NOZZLE. HENRY L. BRUEN, Orange, N. J., and EDWIN B. GROSS, Thomaston, Conn. Filed June 29, 1923. Serial No. 6,623. Term of patent 3½ years.

The ornamental design for an atomizer nozzle as shown.

69,111. WALL PAPER. CHARLES E. BURCHFIELD, Buffalo, N. Y., assignor to M. H. Birge & Sons Co., Buffalo, N. Y. Filed Sept. 4, 1925. Serial No. 14,710. Term of patent 3½ years.

The ornamental design for wall paper, as shown.

69,112. ORNAMENT FOR THE BELL OF A HORN. HARRY L. BUSKEY, Arcadia, Fla. Filed Aug. 21, 1925. Serial No. 14,549. Term of patent 3½ years.



The ornamental design for an ornament for the bell of a horn, as shown.

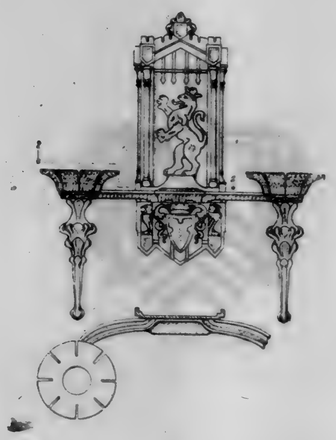
69,113. BADGE. EMILY H. BUTTERFIELD, Farmington, Mich., assignor to Theta Kappa Nu Fraternity, Springfield, Mo., a Corporation of Missouri. Filed June 24, 1925. Serial No. 13,870. Term of patent 14 years.

The ornamental design for a badge, as shown.

69,114. LAMP. PAUL CRICCHIO, New York, N. Y., assignor to Merit Lamp & Novelty Co., New York, N. Y., a Firm composed of Sidney Biahousze and Stanley Pomyzalski, both of New York, N. Y. Filed Oct. 28, 1925. Serial No. 15,281. Term of patent 3½ years.

The ornamental design for a lamp as shown.

69,115. LIGHTING FIXTURE. STANLEY CRAPSE, Detroit, Mich., assignor to Radiant Specialty Co., a Corporation of Michigan. Filed Oct. 31, 1925. Serial No. 15,311. Term of patent 3½ years.

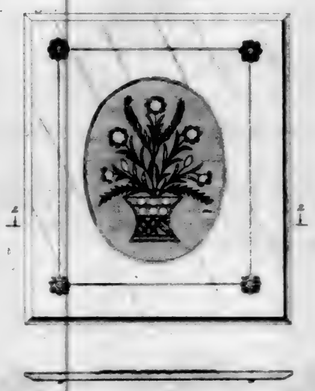


The ornamental design for a lighting fixture, as shown.

69,116. GLASS-TUMBLER HOLDER. BOLESLAW V. CZARNECKI, Schenectady, N. Y. Filed Mar. 11, 1922. Serial No. 1,115. Term of patent 3½ years.

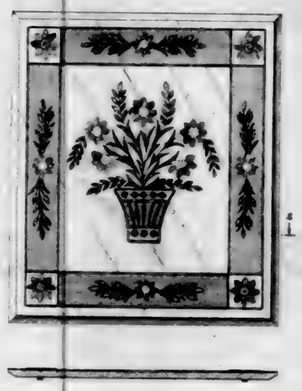
The ornamental design for glass tumbler holder.

69,117. MIRROR. ANDREW D'ARINO and MURRAY ALSOFROM, New York, N. Y. Filed Sept. 12, 1925. Serial No. 14,771. Term of patent 7 years.



The ornamental design for a mirror as shown.

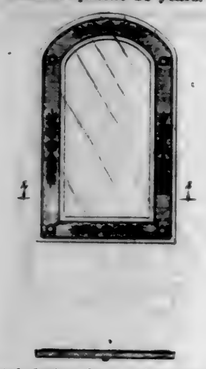
69,118. MIRROR. ANDREW D'ARINO and MURRAY ALSOFROM, New York, N. Y. Filed Sept. 12, 1925. Serial No. 14,772. Term of patent 14 years.



The ornamental design for a mirror as shown.

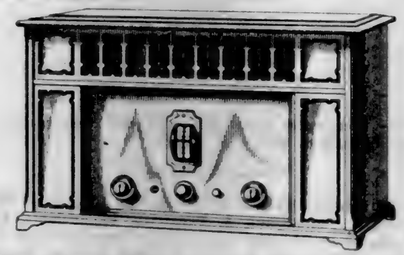


69,119. MIRROR. ANDREW D'ARINO and MURRAY ALSOFROM, New York, N. Y. Filed Sept. 12, 1925. Serial No. 14,773. Term of patent 14 years.



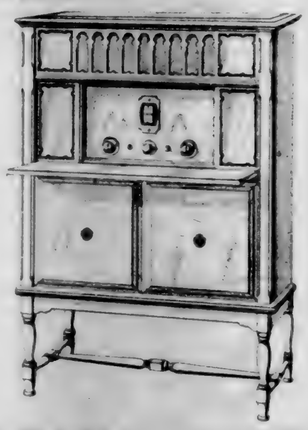
The ornamental design for a mirror as shown.

69,120. RADIOCABINET. ROBERT C. EDWARDS, New York, N. Y., assignor to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Aug. 24, 1925. Serial No. 14,574. Term of patent 3½ years.



The ornamental design for a radiocabinet substantially as shown.

69,121. RADIOCABINET. ROBERT C. EDWARDS, New York, N. Y., assignor to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Aug. 24, 1925. Serial No. 14,575. Term of patent 3½ years.

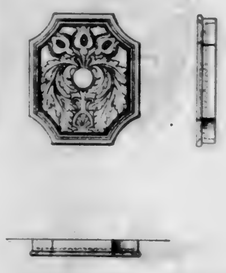


The ornamental design for a radiocabinet substantially as shown.

69,122. BRACKET WALL PLATE. FREDERICK A. FREICHS, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1925. Serial No. 12,898. Term of patent 7 years.

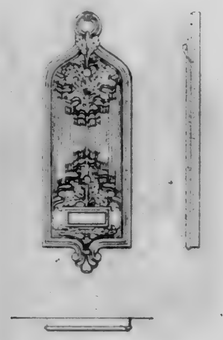
The ornamental design for a bracket wall plate for lighting fixtures, as shown.

69,123. BRACKET WALL PLATE FOR LIGHTING FIXTURES. FREDERICK A. FREICHS, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 1, 1925. Serial No. 12,899. Term of patent 7 years.



The ornamental design for a bracket wall plate for lighting fixtures, as shown.

69,124. BRACKET WALL PLATE FOR LIGHTING FIXTURES. FREDERICK A. FREIICHS, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1925. Serial No. 12,900. Term of patent 7 years.



The ornamental design for a bracket wall plate for lighting fixtures, as shown.

69,125. BRACKET WALL PLATE FOR LIGHTING FIXTURES. FREDERICK A. FREIICHS, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1925. Serial No. 12,901. Term of patent 7 years.

The ornamental design for a bracket wall plate for lighting fixtures, as shown.

69,126. BRACKET WALL PLATE FOR LIGHTING FIXTURES. FREDERICK A. FREIICHS, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1925. Serial No. 12,903. Term of patent 7 years.

The ornamental design for a bracket wall plate for lighting fixtures, as shown.

69,127. BRACKET WALL PLATE FOR LIGHTING FIXTURES. FREDERICK A. FREIICHS, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1925. Serial No. 12,904. Term of patent 7 years.

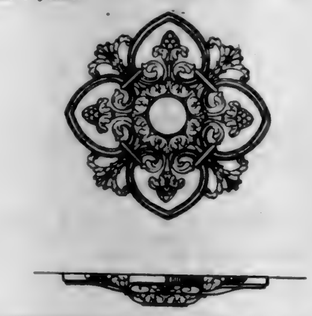
The ornamental design for a bracket wall plate for lighting fixtures, as shown.



69,128. BRACKET WALL PLATE FOR LIGHTING FIXTURES. FREDERICK A. FREIICHS, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1925. Serial No. 12,905. Term of patent 7 years.

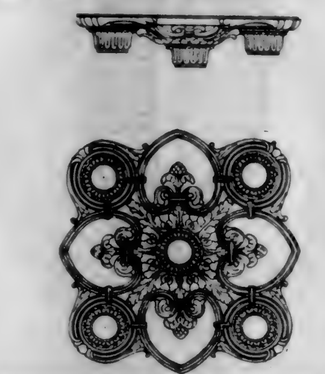
The ornamental design for a bracket wall plate for lighting fixtures, as shown.

69,129. CEILING PLATE FOR LIGHTING FIXTURES. FREDERICK A. FREIICHS, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1925. Serial No. 12,906. Term of patent 7 years.



The ornamental design for a ceiling plate for lighting fixtures as shown.

69,130. CEILING PLATE FOR LIGHTING FIXTURES. FREDERICK A. FREIICHS, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1925. Serial No. 12,907. Term of patent 7 years.



The ornamental design for a ceiling plate for lighting fixtures, as shown.

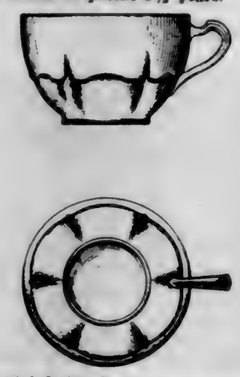
69,131. LIGHTING FIXTURE. JOSEPH W. GOSLING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 15, 1925. Serial No. 15,138. Term of patent 14 years.

The ornamental design for a lighting fixture as shown.

69,132. LANTERN. JOSEPH W. GOSLING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 15, 1925. Serial No. 15,139. Term of patent 14 years.

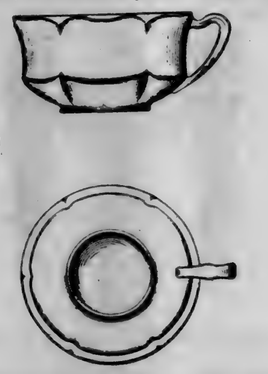
The ornamental design for a lantern as shown.

69,133. CUP OR SIMILAR ARTICLE. GEORGE HAVILAND, Limoges, France. Filed Nov. 4, 1925. Serial No. 15,344. Term of patent 3½ years.



The ornamental design for a cup or similar article, as shown.

69,134. CUP OR SIMILAR ARTICLE. GEORGE HAVILAND, Limoges, France. Filed Nov. 4, 1925. Serial No. 15,345. Term of patent 3½ years.



The ornamental design for a cup or similar article, as shown.

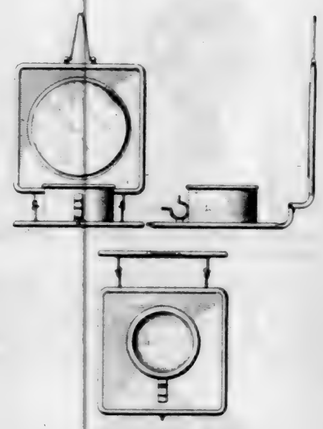
69,135. RUG. HARRY S. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1925. Serial No. 12,120. Term of patent 7 years.

The ornamental design for a rug, as shown.

69,136. RUG. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1925. Serial No. 12,123. Term of patent 7 years.

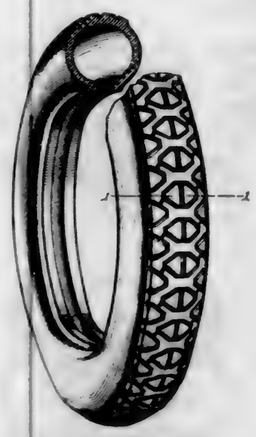
The ornamental design for a rug, as shown.

69,137. COMBINED MIRROR, SOAP RECEPTACLE AND BRUSH HOLDER. LEW JOSEPH, New York, N. Y. Filed Oct. 20, 1925. Serial No. 15,200. Term of patent 3½ years.



The ornamental design for a combined mirror, soap receptacle, and brush holder, as shown in the accompanying drawing.

69,138. AUTOMOBILE TIRE. ROBERT H. KEATON, San Francisco, Calif. Filed May 10, 1924. Serial No. 9,552. Term of patent 3½ years.



The ornamental design for an automobile tire, substantially as shown.



69,139. BADGE. JOHN W. KNOCH, Philadelphia, Pa., assignor to Federation of College Catholic Clubs, Philadelphia, Pa., a Fraternity. Filed July 24, 1925. Serial No. 14,199. Term of patent 14 years.

The ornamental design for a badge, as shown.

69,140. CANDLESTICK. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Jan. 25, 1924. Serial No. 8,413. Term of patent 3½ years.

The ornamental design for a candlestick as shown.

69,141. PLATE OR SIMILAR ARTICLE OF MANUFACTURE. AUGUSTUS J. KOCH, Syracuse, N. Y., assignor to New York Central Railroad Company, New York, N. Y., a Corporation of New York. Filed June 8, 1925. Serial No. 13,698. Term of patent 14 years.

The ornamental design for a plate or similar article of manufacture, substantially as shown.

69,142. GLASS BOX OR SIMILAR ARTICLE. RENÉ LALIQUE, Paris, France. Filed Apr. 24, 1923. Serial No. 5,923. Term of patent 3½ years.

The ornamental design for a glass box or similar article, as shown.

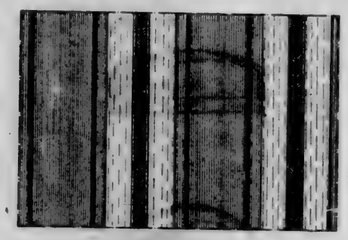
69,143. CANDLEHOLDER. LULU VERHOREN LAVELL, Minneapolis, Minn. Filed May 11, 1925. Serial No. 13,410. Term of patent 3½ years.

The ornamental design for a candleholder as shown.

69,144. DOLL. WILLIAM B. LILLARD, Jackson, Tenn. Filed Sept. 26, 1925. Serial No. 14,916. Term of patent 7 years.

The ornamental design for a doll, substantially as shown.

69,145. TEXTILE FABRIC. JOSEPH H. MACK, Passaic, N. J. Filed July 23, 1925. Serial No. 14,196. Term of patent 3½ years.



The ornamental design for a textile fabric, as shown.

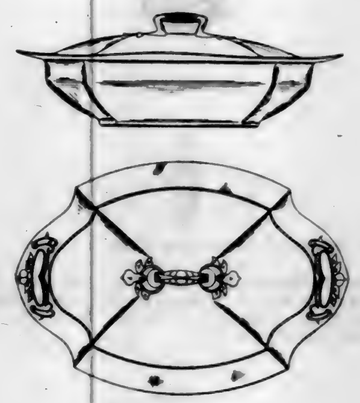
69,146. ROAD SIGN. SAVERIO DI MAGNO, Swatara Station, Pa. Filed Oct. 16, 1925. Serial No. 15,151. Term of patent 14 years.

The ornamental design for a road sign, as shown.

69,147. PLATE OR SIMILAR ARTICLE OF MANUFACTURE. CHARLES McKAIG, Syracuse, N. Y., assignor to United Hotels Company, New York, N. Y., a Corporation of Delaware. Filed June 8, 1925. Serial No. 13,699. Term of patent 14 years.

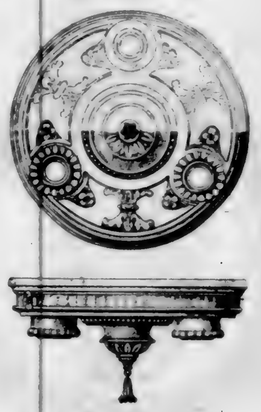
The ornamental design for a plate, or similar article of manufacture, substantially as shown.

69,148. COVERED DISH. THOMAS CLEMENT MERRIMAN, Tunstall, England, assignor to William S. Pitcairn Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1925. Serial No. 14,846. Term of patent 3½ years.



The ornamental design for a covered dish as shown.

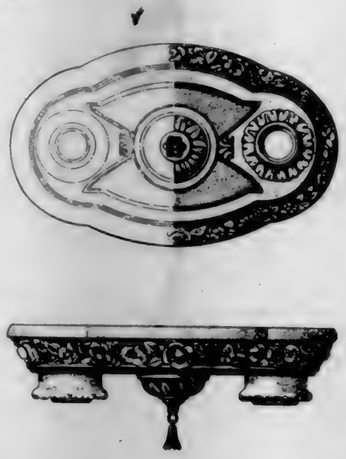
69,149. LIGHTING FIXTURE. LOUIS MICHELOTTI, Philadelphia, Pa., assignor of one-half to Samuel Uhr and Samuel J. Pariser, Philadelphia, Pa., Copartners trading as Advance Electric Lighting Fixture Manufacturing Company, and one-half to Louis Michelotti and Saull Marcheni, Philadelphia, Pa., Copartners trading as Philadelphia Ornamental Lamp Company. Filed June 19, 1925. Serial No. 13,820. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

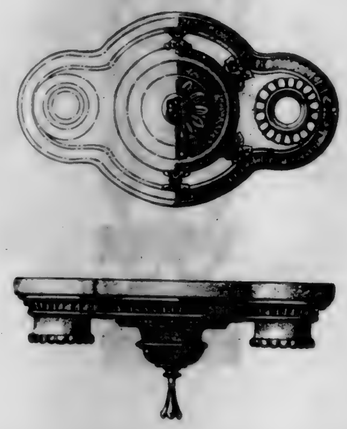


69,150. LIGHTING FIXTURE. LOUIS MICHELOTTI, Philadelphia, Pa., assignor of one-half to Samuel Uhr and Samuel J. Pariser, Philadelphia, Pa., Copartners trading as Advance Electric Lighting Fixture Manufacturing Company, and one-half to Louis Michelotti and Saull Marcheni, Philadelphia, Pa., Copartners trading as Philadelphia Ornamental Lamp Company. Filed June 19, 1925. Serial No. 13,821. Term of patent 3½ years.



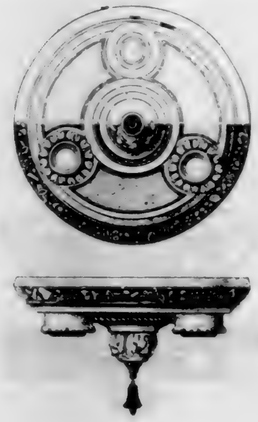
The ornamental design for a lighting fixture, as shown.

69,151. LIGHTING FIXTURE. LOUIS MICHELOTTI, Philadelphia, Pa., assignor of one-half to Samuel Uhr and Samuel J. Pariser, Philadelphia, Pa., Copartners trading as Advance Electric Lighting Fixture Manufacturing Company, and one-half to Louis Michelotti and Saull Marcheni, Philadelphia, Pa., Copartners trading as Philadelphia Ornamental Lamp Company. Filed June 19, 1925. Serial No. 13,822. Term of patent 3½ years.



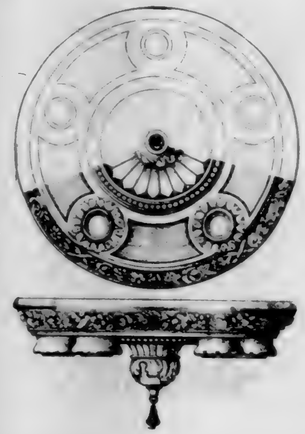
The ornamental design for a lighting fixture, as shown.

69,152. LIGHTING FIXTURE. LOUIS MICHELOTTI, Philadelphia, Pa., assignor of one-half to Samuel Uhr and Samuel J. Pariser, Philadelphia, Pa., Copartners trading as Advance Electric Lighting Fixture Manufacturing Company, and one-half to Louis Michelotti and Saull Marcheni, Philadelphia, Pa., Copartners trading as Philadelphia Ornamental Lamp Company. Filed June 19, 1925. Serial No. 13,823. Term of patent 3½ years.



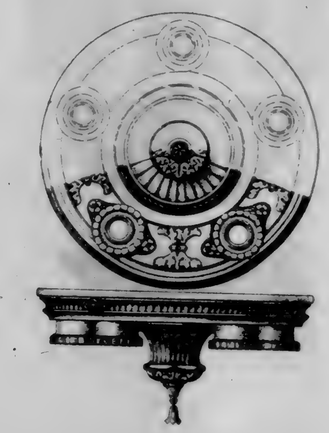
The ornamental design for a lighting fixture, as shown.

69,153. LIGHTING FIXTURE. LOUIS MICHELOTTI, Philadelphia, Pa., assignor of one-half to Samuel Uhr and Samuel J. Pariser, Philadelphia, Pa., Copartners trading as Advance Electric Lighting Fixture Manufacturing Company, and one-half to Louis Michelotti and Saull Marcheni, Philadelphia, Pa., Copartners trading as Philadelphia Ornamental Lamp Company. Filed June 19, 1925. Serial No. 13,824. Term of patent 3½ years.



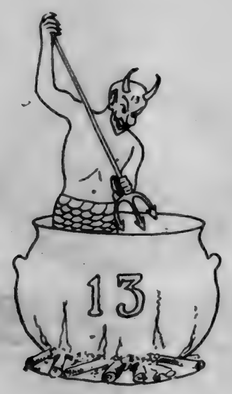
The ornamental design for a lighting fixture, as shown.

69,154. LIGHTING FIXTURE. LOUIS MICHELOTTI, Philadelphia, Pa., assignor of one-half to Samuel Uhr and Samuel J. Pariser, Philadelphia, Pa., Copartners trading as Advance Electric Lighting Fixture Manufacturing Company, and one-half to Louis Michelotti and Saull Marcheni, Philadelphia, Pa., Copartners trading as Philadelphia Ornamental Lamp Company. Filed June 19, 1925. Serial No. 13,825. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

69,155. INCENSE BURNER. PAUL CHARLES MORRIS, Youngstown, Ohio. Filed Nov. 24, 1924. Serial No. 11,457. Term of patent 3½ years.

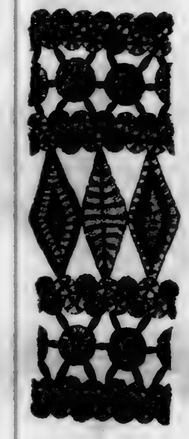



The ornamental design for an incense burner, as shown.

69,156. STAND LAMP. EDWARD CARL NYQUIST, Chicago, Ill. Filed Oct. 19, 1925. Serial No. 15,165. Term of patent 7 years.

The ornamental design for a stand lamp, as shown.

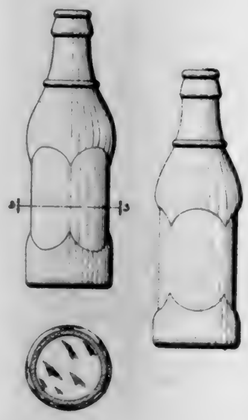
69,157. EMBROIDERED LACE. ELIZABETH A. DAVIS PRESS, White Plains, N. Y., assignor to Blanck & Co., Inc., New York, N. Y. Filed June 12, 1925. Serial No. 13,752. Term of patent 3½ years.



The ornamental design for embroidered lace, as shown.



69,158. BOTTLE. CHAPMAN J. ROOT, Terre Haute, Ind. Filed Jan. 24, 1925. Serial No. 12,135. Term of patent 14 years.



The ornamental design for a bottle as shown and described.

69,159. PLATE OR SIMILAR ARTICLE. EMIL L. SCHNEFF, Trenton, N. J., assignor to Scammell China Company, Trenton, N. J. Filed July 18, 1925. Serial No. 14,134. Term of patent 14 years.

The ornamental design for a plate or similar article as shown.

69,160. BOTTLE. FREDERICK W. SCHWENCK, Cincinnati, Ohio. Filed Oct. 13, 1925. Serial No. 15,111. Term of patent 3½ years.

The ornamental design for a bottle, as shown.

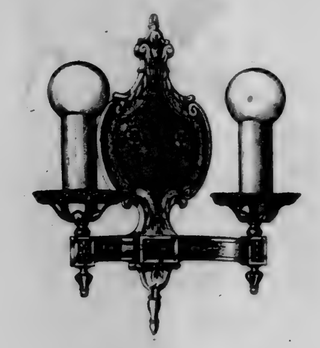
69,161. WIND NOVELTY. WALTER B. SCOTT, Marblehead, Mass. Filed June 15, 1925. Serial No. 13,785. Term of patent 7 years.

The ornamental design for a wind novelty, as shown.

69,162. ARM FOR ELECTRIC CHANDELIERS. ALFRED P. SEIDELL, Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Company, Orange, N. J., a Corporation of New Jersey. Filed Aug. 8, 1925. Serial No. 14,346. Term of patent 3½ years.

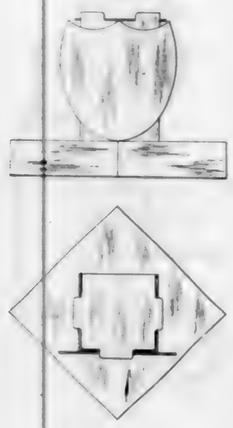
The ornamental design for an arm for electric chandeliers, as shown.

69,163. WALL BRACKET FOR LIGHTING FIXTURES. ALFRED P. SEIDELL, Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Company, Orange, N. J., a Corporation of New Jersey. Filed Aug. 8, 1925. Serial No. 14,347. Term of patent 3½ years.



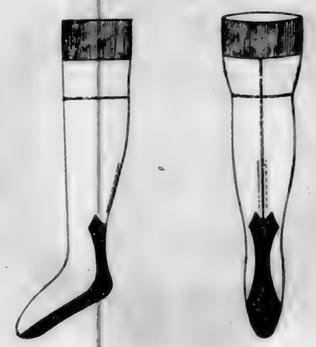
The ornamental design for a wall bracket for lighting fixtures, as shown.

69,164. DISPLAY STAND. DAVID M. SINGER, Chicago, Ill. Filed July 24, 1924. Serial No. 10,246. Term of patent 3½ years.



The ornamental design for a display stand, as shown.

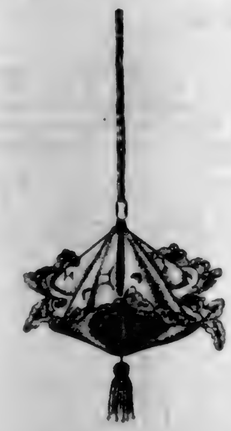
69,165. STOCKING. ELMER L. SMITH, Mack, Colo. Filed June 15, 1925. Serial No. 13,784. Term of patent 14 years.



The ornamental design for a stocking, as shown.



69,166. HAND BAG. JULIUS STEINER, West New York, N. J., assignor of one-half to R. Dalia Rovere, a Partnership, Woodcliff, N. J., composed of Richard Dalia Rovere and Alfred Pretrobelli. Filed Nov. 7, 1925. Serial No. 15,377. Term of patent 3½ years.

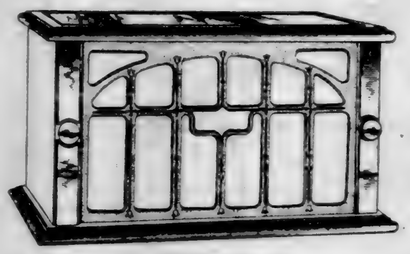


The ornamental design for a hand-bag as shown.

69,167. CAPE. ALICE ELAINE WAREMAN, New York, N. Y. Filed Oct. 9, 1925. Serial No. 15,075. Term of patent 3½ years.

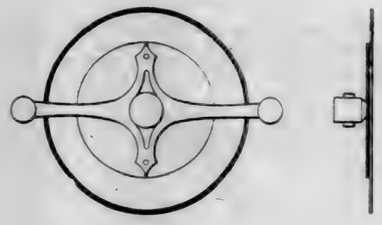
The ornamental design for a cape, as shown.

69,168. CABINET FOR RADIO LOUD SPEAKER. ELMER H. WILKINSON, Detroit, Mich., assignor to The Jewett Radio and Phonograph Company, Pontiac, Mich., a Corporation of Michigan. Filed July 6, 1925. Serial No. 14,004. Term of patent 3½ years.



The ornamental design for a cabinet for radio loud speaker as shown.

69,169. COMBINED RADIO CONTROL LEVER AND DIAL. HENRY F. WORNER, Philadelphia, Pa. Filed Aug. 21, 1924. Serial No. 10,511. Term of patent 14 years.



The ornamental design for a combined radio control lever and dial, as shown.

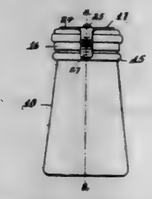
# PATENTS

## GRANTED DECEMBER 29, 1925.

1,567,025. AUTOMOBILE TIRE TOOL. OLIVER JOHN ALLISON, New Orleans, La. Filed Apr. 20, 1925. Serial No. 24,702. 1 Claim. (Cl. 157—6.)

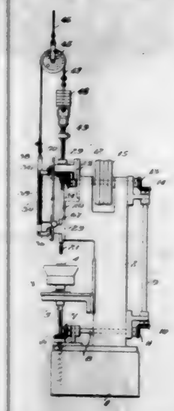
A tire tool having a substantially straight shank, said shank at one end being provided with an extension which as a whole describes a curve of about one-fourth of a circle, said extension on the outside of the curve at about the middle thereof having a sharply backturned hook adapted to engage a tire-retaining flange of a rim and suspend the shank radially of the rim, the further extension of said curve beyond said hook being slightly recurved in the opposite direction and being sufficient in extent to span the inside width of a complete tire so as to engage under both flanges of the tire and lift the same onto a rim and then engage substantially the height of the tire and push the same bodily laterally of the rim.

1,567,026. SALT AND PEPPER SHAKER. MAURICE M. BALSAM, Brooklyn, N. Y., assignor of one-half to Samuel Herman, New York, N. Y. Filed Apr. 1, 1925. Serial No. 19,791. 1 Claim. (Cl. 65—45.)



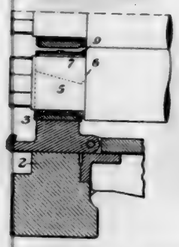
The combined salt and pepper shaker described, comprising a body with a neck thereon and an exterior swell and a partition dividing the interior of said body and neck into two compartments, a cap received on said neck and having the inner face of its top disposed to lie closely upon the upper edges of said neck and partition, said top having two groups of holes each group communicating with one of said compartments, means for joining said cap to said neck and compressing said top upon said edges, a disk slidably mounted on the upper face of said top and having slots, headed studs on said top received in such slots, said disk having two groups of perforations arranged to register alternately with said groups of holes, and a downwardly extended spring finger formed integrally with said disk, and in longitudinal alignment with said slots and having its lower end free and outwardly curved and arranged to coact with an adjacent surface of said swell of said body and hold said disk normally with one group of its perforations in register with one of said groups of holes and to close the other group of holes, and by pressure thereon to shift said disk to interrupt such registry and establish registration of the other of said groups of holes and perforations.

1,567,027. INSULATOR-THREADING MACHINE. CORNELIUS VAN DUKE BENNETT, Lima, N. Y., assignor to The Porcelain Insulator Corporation, Lima, N. Y., a Corporation of New York. Filed Oct. 10, 1923. Serial No. 667,761. 14 Claims. (Cl. 25—3.)



1. In an insulator threading machine, the combination with a threading tool movable in a plane vertically and horizontally at a right angle to its vertical travel, of means for effecting such horizontal movement, said means being automatically brought into operation at a predetermined point in the vertical travel of the threading tool.

1,567,028. SCALE GUARD. FLORENCE C. BIGGERT, Jr., Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 6, 1925. Serial No. 927. 7 Claims. (Cl. 80—1.)

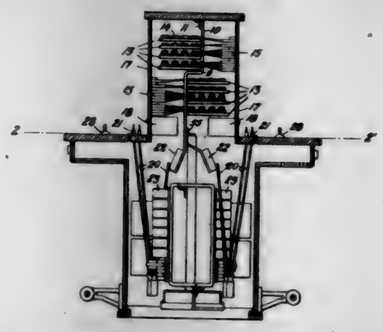


7. In a mill, a bearing having longitudinally inclined upper edges, and a scale guard cooperating with said inclined edges and movable thereon, said guard also having longitudinally inclined supporting edges co-operating therewith, substantially as described.



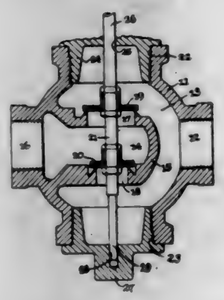


1,567,029. TELEPHONE SWITCHBOARD. CHARLES BORGMANN, Great Neck, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 1, 1924. Serial No. 710,473. 4 Claims. (Cl. 179—91.)



1. A double-sided switchboard comprising two oppositely situated operators' positions, said positions having substantially identical faces and desks, equipment for each of said positions being staggered with respect to the equipment of the other, said equipment being so disposed within the space between said positions that the wiring for the equipment of each of said positions is located adjacent to the equipment of the other position.

1,567,030. VALVE. CHARLES L. BRYANT, Cleveland, Ohio. Filed Aug. 25, 1924. Serial No. 734,042. 3 Claims. (Cl. 251—156.)



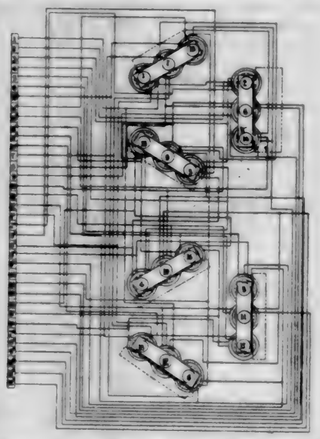
1. A valve assembly comprising a valve casing having an inlet and an outlet and a valve seat and two openings disposed in opposite directions from said valve seat, a valve adapted to close said seat from one side only, a valve stem adapted to carry said valve and extend through either of said openings, and a plug adapted, to close either of said openings.

3. A valve assembly comprising a valve casing having an inlet and an outlet and a valve seat and two openings disposed in opposite directions from said valve seat, a valve adapted to close said seat from one side only, a valve stem adapted to carry said valve, a plug adapted to screw threadedly engage and close either of said openings and apertured to permit said stem to pass therethrough and to support said stem, and a second plug also adapted to screw threadedly engage and close the other of said openings.

1,567,031. PROCESS FOR TREATING HYGROSCOPIC MATERIALS. ALFRED CHARLES BUENSOD, New York, N. Y., assignor to Carrier Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 30, 1921. Serial No. 525,997. 31 Claims. (Cl. 34—24.)

4. A process for progressively treating hygroscopic materials, comprising the subjection of the materials being treated to previously saturated air having a substantially fixed dew point and a variably increased temperature which corresponds to the moisture content of the materials after the air has come in contact with the materials one or more times.

1,567,032. CONVERTING AND TRANSFORMING ELECTRIC CURRENTS. JOHN EARNSHAW CALVERLEY PRESTON and WILLIAM EDEN HIGHFIELD, London, England, assignors to The English Electric Company, Limited, London, England. Filed Dec. 13, 1921. Serial No. 522,073. 13 Claims. (Cl. 172—238.)

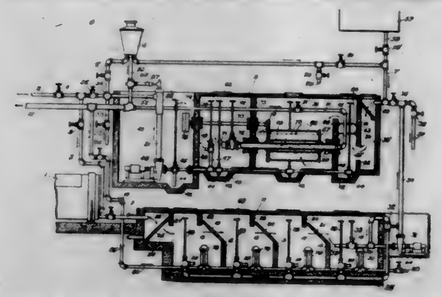


4. Apparatus for converting alternating current from a polyphase system of one number of phases to another polyphase system of a different number of phases, comprising a relatively large number of transformer cores, windings on each of said cores connected in each of the systems, some of the said cores having on each of them windings connected in two of the phases of the system having the smaller number of phases, and supplementary coils on some of the cores connected to form a plurality of closed circuits joined together to form a symmetrical system in which any of its closed paths there is zero resultant emf under balanced flux conditions in the cores linked with the said system and in which currents circulate if these conditions do not exist.

1,567,033. APPARATUS FOR CONSERVING SOAP. JOHN EDWARD CAPS, Wilmette, Ill. Filed Nov. 7, 1921. Serial No. 513,575. 2 Claims. (Cl. 210—52.)

1. In a device of the class described a settling tank divided into a series of compartments by transverse partitions which terminate below the top of the tank,

heaters in the compartments, a pump for exhausting the liquid from the last compartment, a filter tank, means for introducing the liquid from the pump to the filter tank, a compartment in the filter tank, a hollow shaft communicating the filter tank with the compartment so that water may flow from the filter tank into the compartment through the hollow shaft, a heater, a pump communicating with said compartment and with the heater and means for circulating the liquid from the heater back into the filter tank.



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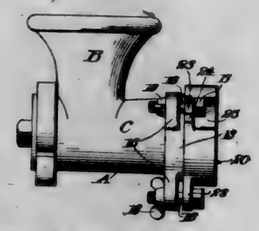
1,567,034. COMMINUTING OR GRINDING MACHINE. ELLIOTT CARNS, South Boston, Mass., assignor to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Feb. 18, 1924. Serial No. 693,613. 11 Claims. (Cl. 146—187.)



1. In combination with the bowl of a comminuting machine or the like, an adapter means applicable thereto, and a replacement end ring different in structure from the original end ring of the machine associated with said means.

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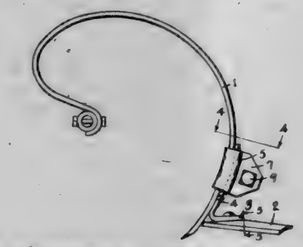
1,567,035. HARROW TOOTH. HARRY L. CARR, Hastings, Mich. Filed Mar. 5, 1925. Serial No. 13,240. 10 Claims. (Cl. 55—97.)



6. The combination of a curved spring harrow tooth, a triangular horizontally disposed blade, a shank for said blade disposed at the rear of said tooth, and a clamp for securing said shank to said tooth whereby the parts are placed under spring tension by the springing of the tooth.

7. The combination of a harrow tooth, a triangular horizontally disposed blade, a spring shank for said blade disposed at the rear of said tooth, and a clamp for securing said shank to said tooth whereby the parts are placed under spring tension by the springing of the shank.

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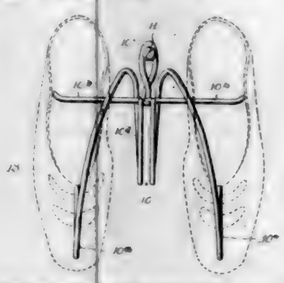
1,567,036. SHOE SUPPORT. EUGENE L. CAVANNA, Chicago, Ill. Filed Nov. 30, 1923. Serial No. 677,837. 3 Claims. (Cl. 211—17.)



1. A shoe engaging and supporting device, formed of wire, with a portion insertable in and engageable with the toe of a shoe or the like, and with a portion engageable with the exterior of the heel of such a shoe, said device intermediate the toe and heel engaging portions being coiled to provide a spring portion whereby such shoe will be securely and resiliently supported when engaged by said first named portions.

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1,567,037. SHOE SUPPORT. EUGENE L. CAVANNA, Chicago, Ill. Filed Nov. 12, 1923. Serial No. 674,108. 4 Claims. (Cl. 211—17.)

1. A shoe supporting device having a toe engaging portion insertable in the toe of a shoe and a body portion extending therefrom and terminating in a portion engageable with the exterior of a heel, said toe engaging and heel engaging portions being so constructed and arranged as to yieldingly lock said shoe under tension with the upper facing outwardly.

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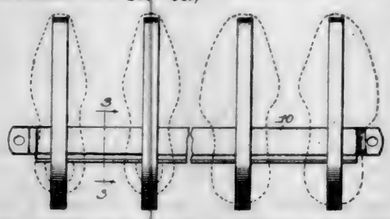
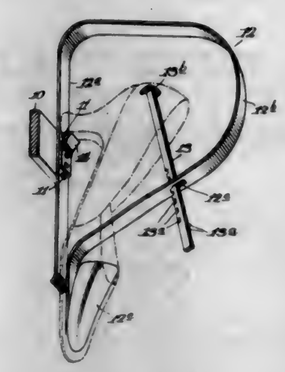
1,567,038. SHOE SUPPORT. EUGENE L. CAVANNA, Chicago, Ill. Filed May 23, 1924. Serial No. 715,277. 8 Claims. (Cl. 211—14.)



1. A resilient shoe support comprising a member having a portion insertable in the toe of a shoe or the like and a second portion extending therefrom to underlie and contact the sole of said shoe.



1,567,039. SHOE FORM AND SUPPORT. EUGENE L. CAVANNA, Chicago, Ill. Filed Sept. 4, 1924. Serial No. 735,759. 9 Claims. (Cl. 12—128.1.)



1. A device of the class described comprising a shoe supporting member attachable to a fixed support, said member being provided with a toe engaging portion, means coacting therewith to engage the heel of a shoe exteriorly thereof, and a second means coacting with said member and engageable with the inner heel portion of a shoe.

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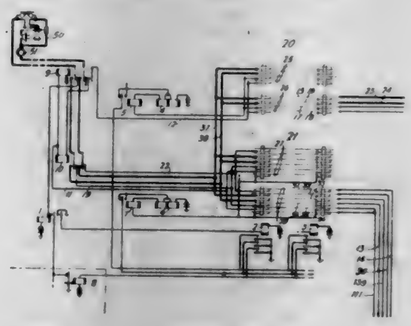
1,567,040. TELEPHONE-EXCHANGE SYSTEM. EDGAR H. CLARK, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 6, 1923. Serial No. 678,936. 18 Claims. (Cl. 179—18.)



1. In a telephone exchange system, a calling subscriber's line, a group of lines of one character, a group of lines of another character, an automatic switch, means under the control of said calling line for operating said automatic switch to independently connect an idle one of each of said group of lines to said calling line.

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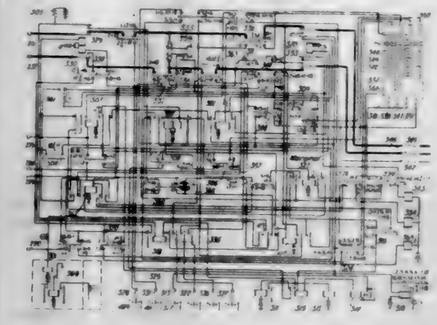
1,567,041. TELEPHONE-EXCHANGE SYSTEM. RUSSELL O. COVELL, Philadelphia, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 28, 1924. Serial No. 695,667. 12 Claims. (Cl. 179—18.)

1. In a registering system, a pair of registering devices, a control circuit, means for normally extending said control circuit to said registering devices in succession, means operated over said control circuit for positioning said registering devices, and means operated in response to the positioning of said first registering device in a particular position to transfer the extension of said control circuit from the second registering device back to the first registering device whereby said first registering device may be further positioned.



9. In a telephone exchange system, an incoming line, a register sender, means for associating said sender with said incoming line, a relay in said sender, means for establishing a pulsing circuit over said incoming line and including said relay, and means for establishing a second circuit for said relay during a predetermined interval to render said relay unresponsive to disturbances on said incoming line.

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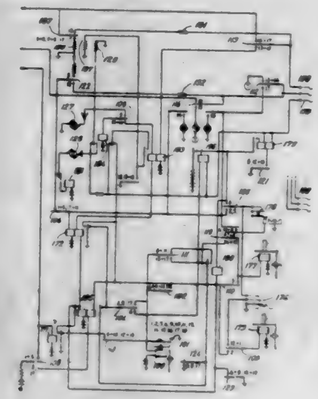
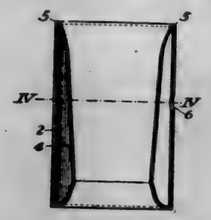
1,567,042. TELEPHONE-EXCHANGE SYSTEM. GERALD DEAKIN and LIPA POLINKOWSKY, Antwerp, Belgium, assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1923. Serial No. 668,806. 6 Claims. (Cl. 179—27.)



1. In a telephone exchange system, a group of lines extending to a private branch exchange, switching apparatus for extending local and toll connections to said branch exchange over said lines, and means operative upon the extension of a toll connection to a line which tests as the final line of the group for causing the line immediately preceding said line to thereupon test as a final line of said group.

1,567,043. VENTURI AND METHOD OF MAKING THE SAME. HENRI DE BOISCHEVALIER, Detroit, Mich., assignor to Societe du Carburateur Zenith, Lyon, France, a Corporation of France. Filed Oct. 20, 1922. Serial No. 595,878. 10 Claims. (Cl. 137—75.)



1. A venturi, comprising an outer casing adapted to be bodily inserted within the air passage of a carburetor, and an inextensible inner sheet metal venturi member carried thereby and extending substantially coextensive therewith, substantially as described.

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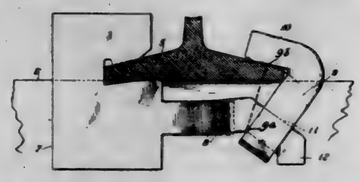
1,567,044. RAIL ANCHOR. WILLIAM H. DE BUSK, Chicago, Ill., assignor to The P. & M. Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 13, 1924. Serial No. 749,656. 12 Claims. (Cl. 238—321.)



1. In a rail anchor, the combination with a member comprising jaws adapted to engage the flange of a rail at one side thereof, and an arm extending across beneath the rail in spaced relation thereto, of a clip engaging the arm and adapted to swing from a position at one side of the rail into engagement with the upper face of the flange, the arrangement being such that as the clip approaches its operative position the downward pressure of the arm on the clip tends to swing the clip into such operative holding position.

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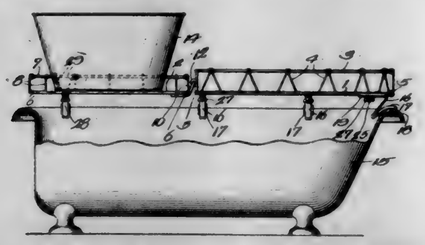
1,567,045. TRAY. CHARLES W. EBEL, La Fayette, Ind. Filed May 16, 1925. Serial No. 30,726. 6 Claims. (Cl. 4—4.)



1. A tray formed in sections that are hinged together, one of these tray sections having a railing terminating at the sides and hinged edge of the second tray section which latter tray section has a railing around it, the transverse portion of this latter railing at the hinged edges of the tray sections substantially closing the gap between the ends of the first railing when the tray is adjusted for use, the second tray section being receivable within the railing of the first when the tray sections are superimposed, one upon the other.

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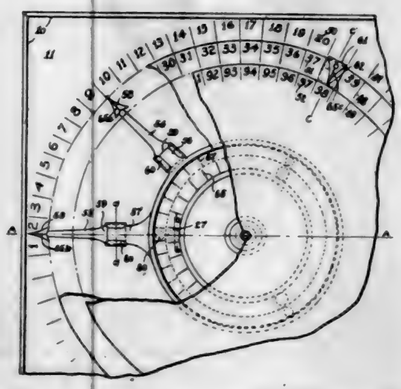
1,567,046. GAME DEVICE. WILLIAM H. FAUBER and HAZEL L. FAUBER, Brooklyn, N. Y. Filed July 23, 1925. Serial No. 45,563. 41 Claims. (Cl. 273—141.)



1. In combination, a lower member; an upper plate above said lower member; ball bearings between said member and plate; an auxiliary plate spacing said bearings; a disk on said upper plate having characters; and a pointer cooperating with said characters.

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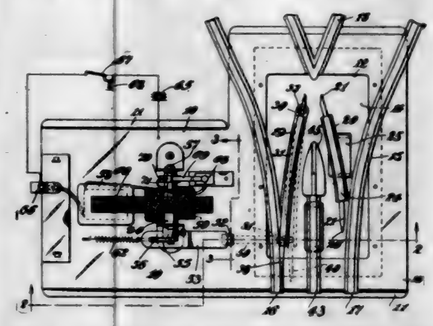
1,567,047. TOY TRACK SWITCH. JULIUS FORCHHEIMER, New York, N. Y. Filed Jan. 21, 1925. Serial No. 3,713. 9 Claims. (Cl. 246—240.)



1. A toy switch formed of a sheet metal base member having a rectangular opening therein, diverging tracks secured to said members, a supporting plate secured beneath said opening and a fixed switch point and a movable switch point carried by said supporting plate.

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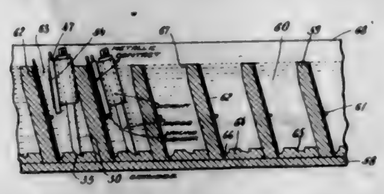
1,567,048. APPARATUS FOR MAKING ROOFING ELEMENTS. JULIUS H. GILLIS, Elizabeth, N. J., assignor, by mesne assignments, to Anaconda Sales Company, a Corporation of Delaware. Filed Sept. 10, 1923. Serial No. 661,972. 49 Claims. (Cl. 204—5.)

1. Apparatus of the class described comprising an electrolytic tank having a plurality of anodes therein, a support for the element to be plated adjacent each anode, contact means for bearing against an article on





the support to withdraw the plating current therefrom, and means movable along the tank and adapted to release the contact means successively from the elements.

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1,567,049. CHROMIUM SOAP. THOMAS T. GRAY, Elizabeth, N. J. Filed Oct. 3, 1922. Serial No. 592,042. 6 Claims. (Cl. 87—16.)

2. A detergent compound containing alkali metal soap and chromium soap in approximately equal proportions.

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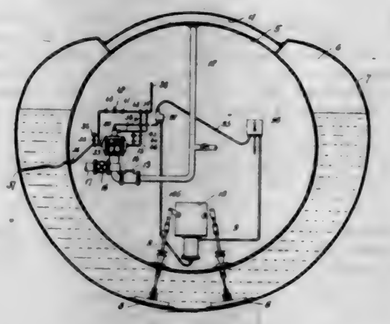
1,567,050. BALLAST-TANK AUTOMATIC BLOW-OUT VALVE. HUGO EUGENE GRIESHABER and LEWIS BERRY DOANE, Groton, Conn., assignors to Electric Boat Company, a Corporation of New Jersey. Filed Nov. 12, 1923. Serial No. 674,120. 15 Claims. (Cl. 114—16.)



1. In a submarine boat, the combination of a ballast tank having a drain valve, positively operating means for opening and closing this drain valve, a source of air under pressure connected to the ballast tank, and a control device automatically operating, when the pressure of the water of submergence exceeds a predetermined value, to cause air to be admitted to the ballast tank and to cause the opening means to open the drain valve in timed relation.

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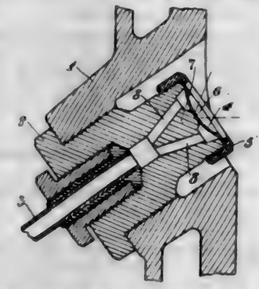
1,567,051. MEANS FOR INJECTING LIQUID FUEL AND OTHER LIQUIDS INTO EXPLOSION MOTORS, FURNACES, AND THE LIKE. OSCAR ROBERT GRÖNKWIST, Stockholm, Sweden. Filed June 27, 1921. Serial No. 480,799. 1 Claim. (Cl. 299—133.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

A means for injecting liquid fuel and other liquids into explosion engines, comprising a resilient diaphragm secured all around its periphery and provided with an outlet aperture in its central portion, and an abutment located entirely to one side of said diaphragm and normally engaged by said central portion of the diaphragm so as to normally close the aperture therein, the opposite side of the diaphragm inward of the periphery being entirely uncovered and directed towards the explosion chamber of the engine.



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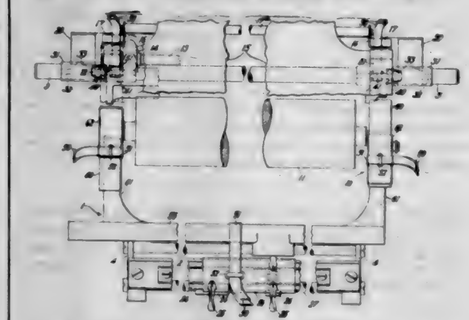
1,567,052. TYING DEVICE FOR TYPEWRITING MACHINES. WILLIAM F. HELMOND, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 28, 1921. Serial No. 440,618. 15 Claims. (Cl. 197—193.)



1. In combination with a typewriting machine having a fixed frame and a movable carriage, means for tying said machine to prevent movement of the parts thereof, said means comprising sleeves mounted on the fixed frame of the machine and provided with projections adapted to abut against the carriage to prevent lateral movement of said carriage, said sleeves being removable at will, and means engaging said sleeves and carriage for preventing vertical movement of said carriage.

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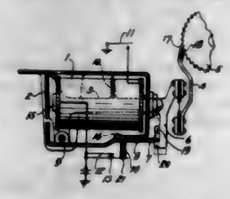
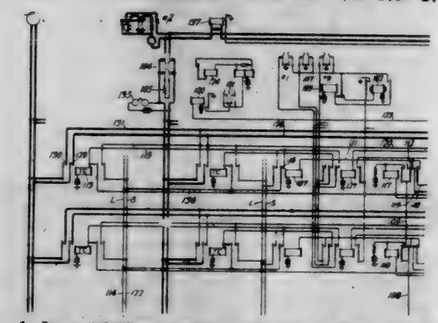
1,567,053. STEPPING MECHANISM. FRANK H. HIBBARD, Arlington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 3, 1924. Serial No. 696,479. 3 Claims. (Cl. 172—126.)



1. In a stepping mechanism, a motor magnet, a main armature, an auxiliary armature, a circuit interrupter controlled by the auxiliary armature for opening and

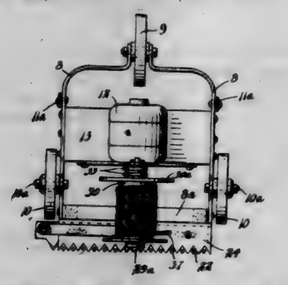
closing the circuit of the motor magnet, and means controlled by the main armature for overcoming the magnetic effect between the motor magnet and the auxiliary armature.

1,567,054. AUTOMATIC TELEPHONE SYSTEM. EDWARD E. HINRICHSEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1922. Serial No. 548,078. 11 Claims. (Cl. 179—27.)



1. In a telephone system, subscribers' lines, impulse senders therefor, link circuits each having their ends normally connected together, means for connecting a calling line to an idle link, a register comprising a series of counting relays common to said links, means whereby the first impulse from the impulse sender of a calling line causes the association of said register exclusively with the seized link, relays for connecting called lines to link circuits, and a selecting circuit for actuating a certain one of said latter relays including normal contacts of said counting relays.

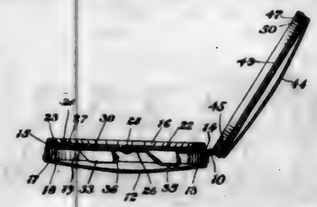
1,567,055. ELECTRIC LAWN MOWER. ERNEST HUFF, Boyceville, Wis., assignor to Huff Manufacturing Company, Boyceville, Wis., a Corporation of Wisconsin. Filed Mar. 28, 1925. Serial No. 18,998. 5 Claims. (Cl. 191—12.)



1. An automatic winding reel for electric lawn mowers and other power driven devices employing a flexible connection member, having in combination a rotary driving means and a rotatable drum to which one end of said flexible connection is secured, said drum having driving engagement with said driving means when said flexible connection is slack and being automatically disengaged therefrom when said flexible connection is taut to permit unwinding thereof.

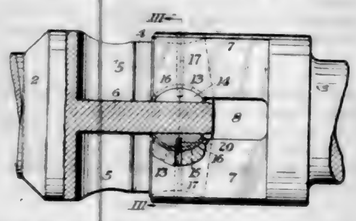
1,567,056. VANITY CASE. FRITZ R. JOHNSON, Providence, R. I. Filed June 11, 1925. Serial No. 36,368. 6 Claims. (Cl. 132—83.)

1. In a vanity case, a box comprising a bottom, a side, a closure plate supported by the side above the bottom and provided with a hole, a plate loosely engaging the lower face of the closure plate movable therebeneath and



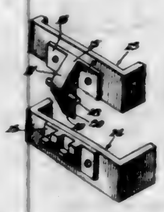
provided with an opening, and a downwardly directed scoop member upon the movable plate beside the opening in alignment with the hole.

1,567,057. UNIVERSAL COUPLING. LANE JOHNSON, Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 12, 1924. Serial No. 737,276. 7 Claims. (Cl. 64—91.)



1. In a coupling, a rotary member having a bifurcated end, the arms of which are connected by an integral web, and a second rotary member having a slotted tongue adapted to be received between said arms and adapted to receive said web in the slot thereof, said arms and said slot being of greater length than required for normal operating assembly of the coupling to permit relative axial movement of said members towards each other for uncoupling one of said members from another member, substantially as described.

1,567,058. MOLDING FLASK. WILLIAM C. JONES, Niantic, Ill. Filed Apr. 10, 1925. Serial No. 22,042. 7 Claims. (Cl. 22—105.)



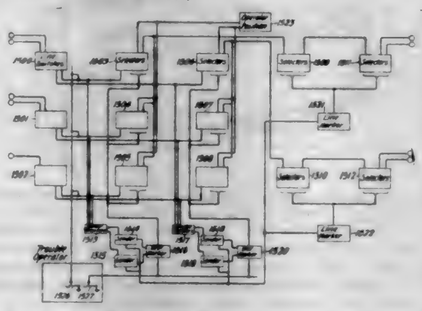
1. A molding flask composed of two separable parts, securing and aligning means on a plurality of the sides thereof to hold the two parts in proper alignment when assembled, said securing and aligning means including one member having a pair of outwardly extending brackets provided with aligning grooves or recesses in their upper face and the other of said members having a lug projecting outwardly and downwardly and adapted to be positioned between said brackets, said lug being provided with a pin to fit in the grooves or recesses in said brackets, said lug also being formed with a flat face adapted to engage and bear against the front face of the other aligning and securing member.



1,567,059. FOUNTAIN PEN. STORMONT JOSSELYN, Atlantic, Mass., assignor to George Zain, Brookline, Mass. Filed Nov. 25, 1924. Serial No. 752,109. 3 Claims. (Cl. 120—46.)

1. A fountain pen comprising a barrel having an interior groove in the wall thereof extending from its inner end an appreciable distance, a pen-carrying section secured to the barrel, a collapsible sack within the chamber of the barrel, a presser bar for said sack, a lever, means for mounting the lever to have operative engagement with the presser bar when the lever is actuated for compressing the sack, a spring bar fixed to the presser bar, a holder for the spring bar inside the barrel and arranged to occupy a determinate position therein when the lever and presser bar are occupying proper operative relation to one another, and a projection from the holder contained within said groove in the barrel when the holder is occupying its determinate position as aforesaid.

1,567,060. TELEPHONE-EXCHANGE SYSTEM. LEO KELLER, New York, and SAMUEL B. WILLIAMS, Brooklyn, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 31, 1923. Serial No. 628,988. 11 Claims. (Cl. 179—27.)



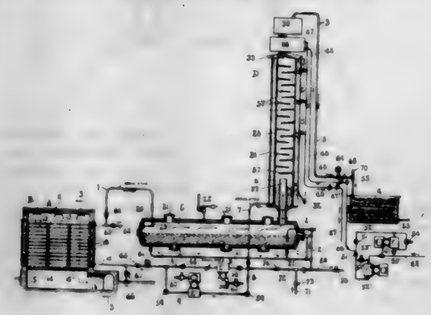
1. In a telephone system, a number of selective switches, means for directing incoming calls to said switches, a plurality of register senders and a common marker for governing the selective operation of said switches, and means for diverting away from said switches calls which are normally directed thereto.

1,567,061. PROCESS OF MAKING BITUMINOUS EMULSIONS. LESTER KIRSCHBRAUN, Chicago, Ill. Filed Jan. 17, 1921. Serial No. 438,050. Renewed Mar. 31, 1924. 3 Claims. (Cl. 134—1.)

1. A process of forming a non-adhesive emulsion consisting in emulsifying an adhesive bituminous substance with an emulsifying agent in an aqueous vehicle, and adding a flocculating agent to the emulsion to cause the emulsifying particles to more tenaciously cluster about the adhesive substance.

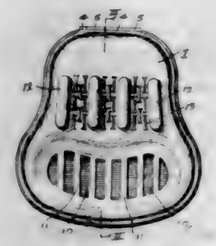
1,567,062. PROCESS OF AND APPARATUS FOR CRACKING HYDROCARBONS. FREDERICK B. KOONTZ, Tulsa, Okla., assignor to Cosden & Company, Tulsa, Okla., a Corporation of Oklahoma. Filed May 8, 1924. Serial No. 711,866. 30 Claims. (Cl. 196—48.)

6. In the art of cracking hydrocarbons, the process which comprises conducting a stream of hydrocarbons through a cracking zone where a cracking temperature is maintained, discharging the resultant highly heated stream into a separating chamber and depositing the carbonaceous residue in said chamber, maintaining the contents of said separating chamber at a temperature high enough to cause free evaporation of relatively low boiling point liquid in the carbonaceous residue, removing the carbonaceous residue as it accumulates in said separating chamber and discharging it from the system, discharging the vapors from said separating chamber in an upward direction and at a velocity low enough to permit free precipitation of carbonaceous material in the rising vapors, at the same time dropping carbonaceous material from the rising stream of vapors to said separating chamber, then subjecting the relatively clean vapors



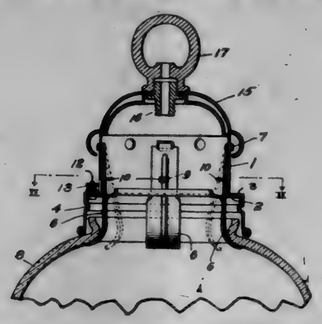
to a reflux condensing action to obtain clean reflux condensate freed from said carbonaceous material, at the same time heating fresh charging stock and removing low boiling point vapors therefrom, controlling the reflux condensing action to condense more than 70 percent of the vapors, separately condensing the remaining vapors, controlling the admission of charging stock in accordance with the reflux condensing action to provide a supply of charging stock and reflux condensate in proportions of less than 25 percent charging stock and more than 75 percent reflux condensate, mixing the liquid portion of the chargingq stock with the hot reflux condensate pumping the hot mixture through said cracking zone and into said separating chamber, and regulating the pump to maintain a substantially uniform cracking condition in said cracking zone.

1,567,063. TOBACCO-SMOKER'S ACCESSORY. DENNIS F. LARKIN, San Francisco, Calif. Filed Jan. 29, 1924. Serial No. 689,247. 3 Claims. (Cl. 131—51.)



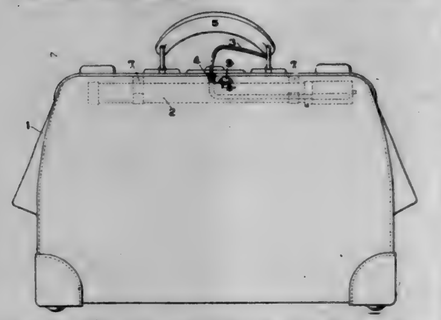
1. A smoker's accessory comprising a tray having a cover with perforations therethrough and projecting embossments arranged adjacent the perforations; and embossed ridges arranged between said projecting embossments.

1,567,064. GLOBE HOLDER. MICHAEL LA SCOLA, Pittsburgh, Pa., assignor to Markel Lighting Fitments, Inc., Buffalo, N. Y., a Corporation of New York. Filed Jan. 19, 1925. Serial No. 3,233. 3 Claims. (Cl. 240—133.)



1. A globe holder comprising an annular casing having a cylindrical side wall, a ring rotatably mounted in and extending transversely within the casing and provided with a plurality of eccentric curved slots, and a plurality of globe-engaging fingers extending through said slots and pivotally mounted at their upper ends in the casing side wall, the side wall of said casing and said fingers being provided with cooperating openings and tongues to prevent sidewise displacement of the fingers when said ring is rotated to move the fingers radially within the casing.

1,567,065. ARTICLE-CARRYING CONTAINER. RUBEN B. LAWRENCE, Bellevue, Pa., assignor to Federal Laboratories, Incorporated, Pittsburgh, Pa., a Corporation of Delaware. Filed June 21, 1922. Serial No. 569,824. 8 Claims. (Cl. 109—6.)

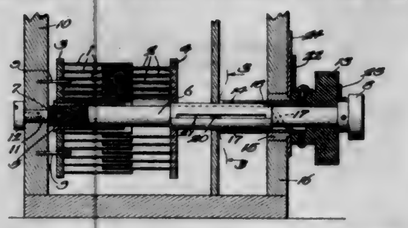


1. The combination with a container adapted for transporting articles of a gas-emitting device for protecting the container and its contents against robbery, the gas-emitting device being adapted to continue to emit an incapacitating gas over a substantial period of time after being once set in action, and means for setting the device into action, said means comprising a member adapted to be grasped by the carrier of the container and arranged to set the gas emitting means into operation when the member is actuated by the carrier, substantially as described.

1,567,066. NICKEL-COPPER ALLOY. JUSTUS W. LEHR, Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Aug. 28, 1923. Serial No. 659,841. 7 Claims. (Cl. 75—1.)

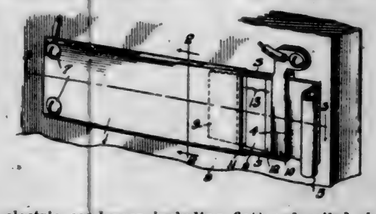
1. A non-corrodible alloy containing nickel 20 to 40%, tin 1 to 6%, lead 1 to 8%, the remainder copper, and containing no zinc.

1,567,067. CONDENSER. JOHN F. LINDBERG, Chicago, Ill., assignor to Reliance Die and Stamping Company, Chicago, Ill., a Corporation of Illinois. Filed July 20, 1922. Serial No. 576,227. 6 Claims. (Cl. 250—41.)



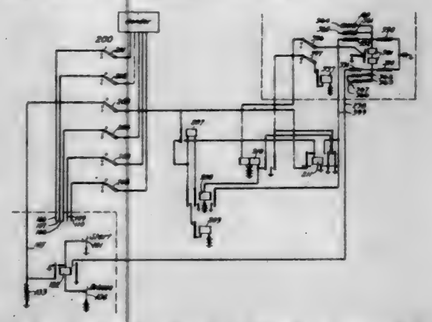
1. A condenser including two substantially parallel sides both mounted to move along a straight line; and an adjusting device individual to each condenser side for moving it with respect to the other condenser side, said adjusting devices being constructed to adjust the condenser sides pertaining thereto at different rates.

1,567,068. ELECTRIC CONDENSER. JOHN F. LINDBERG, Chicago, Ill., assignor to Reliance Die and Stamping Company, Chicago, Ill., a Corporation of Illinois. Original application filed Apr. 17, 1922, Serial No. 553,728. Divided and this application filed Jan. 26, 1924. Serial No. 688,676. 1 Claim. (Cl. 250—41.)



An electric condenser including flattened coiled sheets of dielectric material and sheet metal, the latter surrounding the former and constituting one side of the condenser; and a flat sheet of metal constituting the remaining side of the condenser and located within the bore of the coiled dielectric and movable longitudinally thereof to adjust the capacity of the condenser.

1,567,069. ALLOTTER-CONTROLLING SYSTEM. ALBEN E. LUNDELL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 21, 1923. Serial No. 663,977. 3 Claims. (Cl. 179—27.)



1. In a telephone system, a plurality of switching devices, an allotter to determine the order in which said switching devices are put into use, said allotter including

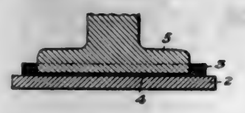


a Wheatstone bridge and numerous side circuits, a relay operable when the bridge is electrically unbalanced and capable of restoration when the bridge is electrically balanced, and means for unbalancing and balancing said Wheatstone bridge by electrical connections to its numerous side circuits.

1,567,070. ILLUMINATED LICENSE PLATE. LOUIS J. MALLOT, East St. Louis, Ill. Filed Mar. 26, 1923. Serial No. 627,683. 1 Claim. (Cl. 40—132.)

In a device of the character described a casing member comprising of each a top, a bottom, a back and an end wall; downwardly and upwardly extending flanges from the edges of the top and bottom walls respectively; longitudinal parallel beads in said top and bottom walls equidistant from and parallel with said flanges; a second casing member telescoped within the first one and comprising of each a top, a bottom, a back and an end wall, and having an elongated slot in said back wall; downwardly and upwardly extending flanges from the edges of the top and bottom walls respectively of said second casing member; longitudinal parallel beads in said top and bottom walls of said second casing member equidistant from and parallel with said second named flanges and receiving said first named beads; a fastener passing through said slot and through the back wall of said first casing member for holding said casing members in different relative positions; and a license plate in said casing members between said beads and said flanges.

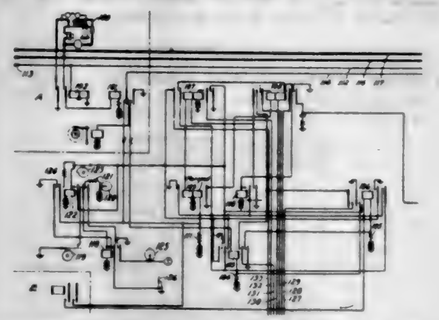
1,567,071. METHOD OF MAKING ABRASIVE DISKS. HARRY C. MARTIN, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Continuation of application Serial No. 363,480, filed Mar. 5, 1920. This application filed Jan. 25, 1922. Serial No. 531,554. 6 Claims. (Cl. 51—278.)



1. The herein described method of making abrasive disks which consists in mixing abrasive grains with shellac in the approximate proportions of 9 to 1 parts, spreading the same in a suitable mold upon a backing, placing the mold in a melting oven and bringing its contents to a temperature sufficient to soften the shellac, then applying a pressure to the abrasive material sufficient to agglomerate it but not to reduce the porosity of the finished disk below about 30%, and then baking the article so formed, substantially as described.

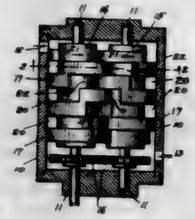
1,567,072. TELEPHONE-EXCHANGE SYSTEM. WILLIAM H. MATTHIES, Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1924. Serial No. 743,884. 8 Claims. (Cl. 179—18.)

1. In a telephone exchange system, a plurality of subscribers' lines divided into groups, a trip circuit for each group, a start circuit common to all groups, a plurality of link circuits, a plurality of line finders, a plurality of register senders, means in said link circuits for preselecting a line finder and means in said link circuit



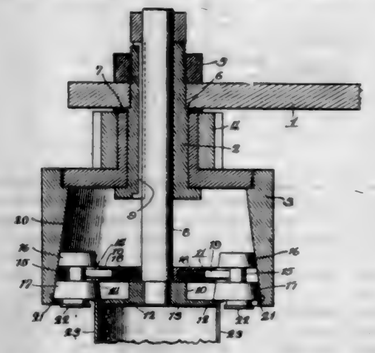
responsive to the initiation of a call over said trip, start and link circuits to said line finder for hunting for an idle register sender.

1,567,073. SCREW PUMP. EMANUEL MOCIGEMBA, Rheinbach, Germany. Filed July 23, 1925. Serial No. 45,561. 2 Claims. (Cl. 103—128.)



2. A screw pump comprising oppositely rotating intermeshing worm shafts, each of which has a continuous helical tooth having alternate stepped portions parallel and perpendicular to the axis.

1,567,074. CAN-SEALING MACHINE. GARRETT WILLIAM MUDD, Chicago, Ill., assignor of one-half to Harry Raymond Baker, Chicago, Ill. Filed Oct. 27, 1923. Serial No. 671,116. 10 Claims. (Cl. 113—24.)



1. In a can sealing machine, the combination of non-rotary means for holding the cover down on the can, so that the can does not rotate, and revolving instrumentali-

ties for engaging and swaging the edge portions of the cover to fasten the cover in place on the can, said revolving means being movable upward to force them toward the axis of rotation, thereby to bend the edge portions of the cover in the desired manner.

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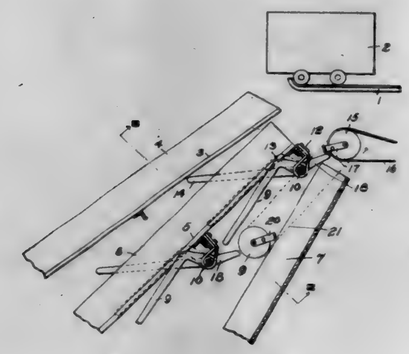
1,567,075. TIPPLE-SCREEN CLEANER. JAMES S. PATES, Pittsburgh, Pa. Filed Oct. 23, 1919. Serial No. 332,711. 1 Claim. (Cl. 209—384.)



In a coal tipple, a screen composed of spaced stationary bars, inclined for the gravital movement of coal therealong, a shaft rotatably mounted in spaced relation to said bars, cleaning arms secured to said shaft, an actuating arm mounted on said shaft and a rotating member adapted to intermittently strike said arm so as to swing said cleaning arms between said bars to remove lumps of coal therefrom.

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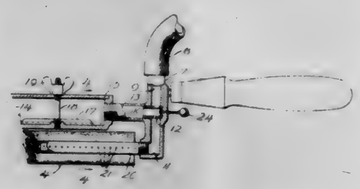
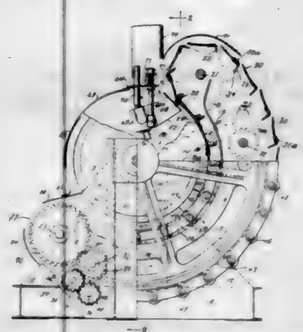
1,567,076. FOUNTAIN BRUSH. JAMES O. PATTY, Chicago, Ill. Filed Apr. 6, 1923. Serial No. 630,198. 1 Claim. (Cl. 15—128.)



A fountain brush, comprising a hollow body member, a water supply connected thereto, a U-shaped brush connected thereto at an angle, a perforated pipe connected to the interior of said body member and disposed between the arms of said brush and in the plane thereof to discharge water over the whole interior brush surface, a soap box also connected to the interior of said body member, disposed parallel with said brush and perforated to discharge its contents on said brush, and a valve in said body member for controlling the flow of water to said pipe and soap box, said valve adapted for exclusive discharge of water to either the pipe or the soap box or for conjointly discharging to both.

1,567,077. TUMBLING MILL. LOUIS D. PEIK, Cleveland, Ohio. Filed Mar. 1, 1922. Serial No. 540,127. 21 Claims. (Cl. 51—14.)



1. A tumbling mill comprising a base, supporting side walls, said base having an endless belt conveyor mounted thereon to form a partial peripheral wall and with said side walls form a chamber, said conveyor being bodily movable with respect to said base for discharging the contents thereof.

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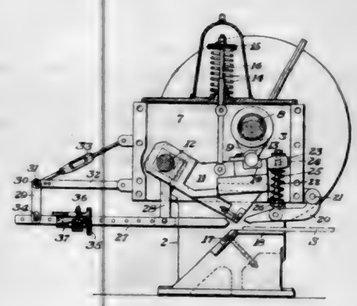
1,567,078. BEVEL SHEARS. HARLEY D. PENNINGTON, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 4, 1923. Serial No. 655,689. 2 Claims. (Cl. 164—45.)



1. In a bevel shear, a substantially upright housing having a horizontal work supporting table, an oblique stationary lower shear blade at one end of said table, an operating shaft arranged above and transversely of said table, an upper shear blade for cooperation with said lower blade, a carrier for said upper blade mounted to oscillate about an axis parallel to said operating shaft, means operatively connecting said upper blade with said operating shaft, clamping means for holding the work on said table during the shearing operation, and yielding means operatively connecting said upper blade carrier with said clamping means, substantially as described.

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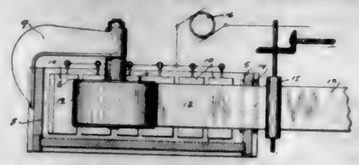
1,567,079. PROCESS FOR PRODUCING SHEET METAL. JOSEPH PORZEL, Buffalo, N. Y. Filed Oct. 26, 1923. Serial No. 671,023. 4 Claims. (Cl. 204—6.)

1. A continuous electrolytic process of forming a metallic sheet cathode comprising the initial formation of the cathode on a horizontally moving, vertically disposed surface in a winding direction, and then parting such



cathode from the moving surface in an unwinding direction without interrupting the electrodeposition.

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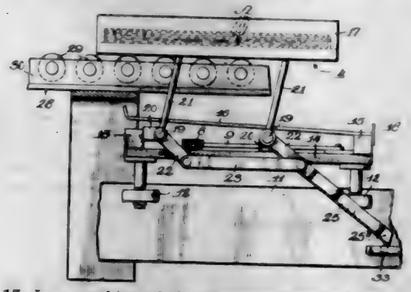
1,567,080. SHEET-GATHERING MACHINE. WILLET B. RANNEY, Chicago, Ill., assignor to Wm. Wrigley, Jr. Company, Chicago, Ill., a Corporation of West Virginia. Filed Dec. 13, 1923. Serial No. 680,307. 18 Claims. (Cl. 107—7.)



17. In a machine of the character described, the combination with sheet delivery conveyor, a substantially circular track passing beneath the delivery end of said delivery conveyor, a plurality of carriages mounted to travel about said track carriage propelling means comprising a drive shaft operatively connected with said carriages, trays removably mounted on said carriages above the path of said carriages, tray elevating medium carried by said carriages and comprising levers depending adjacent the track, a cam plate mounted on said track adjacent the receiving end of said discharge track, said levers having an offset end portion adapted in the normal positions thereof to pass the cam plate without contact, and tripping mechanism comprising an endwise shiftable rod provided with a cam engaging member, a rotative cam in driving connection with said drive shaft, and adapted to engage the cam member of said rod, to shift the end of the same into the path of said levers, whereby said levers are tripped to engage said cam plate.

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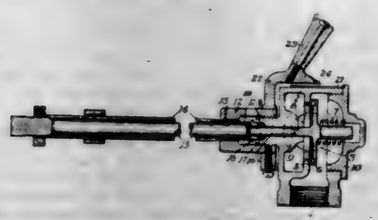
1,567,081. THERMOSTAT. FREDERICK W. ROBERTSHAW, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a Corporation of Pennsylvania. Filed July 24, 1923. Serial No. 653,407. 6 Claims. (Cl. 236—102.)



1. The combination with a thermostat and a valve for actuation thereby, of separate threaded controlling means between the valve and thermostat, and means cooperating with said controlling means for preventing leakage from the valve into the thermostat and for maintaining a load on said threads, substantially as described.

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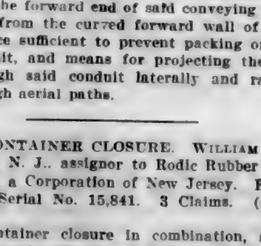
1,567,082. REFRIGERATOR. FAY T. RODGERS, Memphis, Tenn. Filed July 18, 1925. Serial No. 43,135. 3 Claims. (Cl. 62—69.)



3. Means for cooling a refrigerator, comprising a plurality of refrigerant containers, near one end of the refrigerator, disposed one above the other and spaced apart, the bottom of any container and the top of the container below being downwardly inclined, in substantially parallel planes, toward the adjacent end of the refrigerator casing, whereby inclined channels are provided to induce air flow between said containers.

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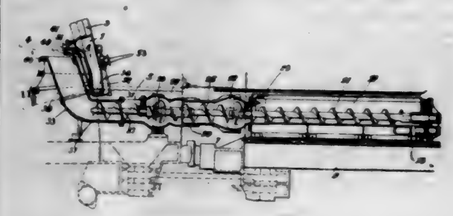
1,567,083. STOKER. FRANK P. ROESCH, Chicago, Ill., and ANDREW M. HUNT, New York, N. Y., assignors to Standard Stoker Company, Incorporated, a Corporation of Delaware. Filed May 19, 1924. Serial No. 714,338. 13 Claims. (Cl. 110—101.)



1. The combination with a boiler of an unobstructed conduit without sharp bends curving from horizontal to vertical without sudden changes in its cross-sectional dimensions, said conduit being of substantially the same cross-sectional area throughout, the vertical end of said conduit projecting above the level of the fire and the horizontal end being outside the fire box, a conveying apparatus for delivering coal to the horizontal portion of the conduit and forcing the coal forward through said conduit, and the forward end of said conveying apparatus being spaced from the curved forward wall of said conduit a distance sufficient to prevent packing of the coal in said conduit, and means for projecting the coal delivered through said conduit laterally and radially to the fire through aerial paths.

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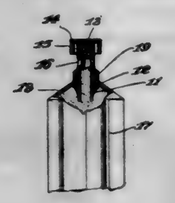
1,567,084. CONTAINER CLOSURE. WILLIAM H. ROSE, Jersey City, N. J., assignor to Rodic Rubber Co., Garwood, N. J., a Corporation of New Jersey. Filed Mar. 16, 1925. Serial No. 15,841. 3 Claims. (Cl. 221—60.)

1. In a container closure in combination, a tubular slidable plunger of resilient material open at one end and

closed at the other end and having an opening in a side thereof and an exterior shoulder upon the open end



portion of the plunger, the closed end of the plunger having a spaced circumferential flange.

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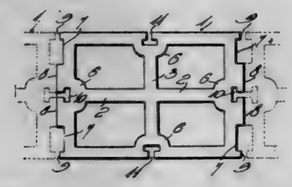
1,567,085. BUILDING BLOCK. VALBY E. ROWLAND, Indianapolis, Ind. Filed Jan. 19, 1925. Serial No. 3,374. 1 Claim. (Cl. 72—41.)



A building block of the kind described comprising a hollow pre-cast tile embodying duplicate inner and outer side walls, and duplicate end walls, internal intersecting vertical webs joined to the intermediate portions of the walls through the medium of reinforcing ribs, vertical T-shaped keyways formed in said walls at the outer ends of said webs, vertical channeds formed in said end walls and spaced from each other and from said side walls, the portions of said end walls between said channels being in the form of protuberances functioning as abutments, and the outer walls of said channels forming flanges, the latter being shorter in width than the thickness of said abutments, whereby to terminate on planes spaced inwardly from the contacting surfaces of the abutments.

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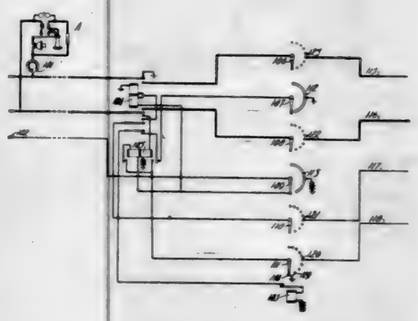
1,567,086. CHAIN. CARL SCHRAYSSHUEN, Providence, R. I., assignor to Speidel Chain Co., Providence, R. I., a Firm composed of Frederick Speidel and Eugen Speidel, both of Pforzheim, Germany. Filed Sept. 8, 1925. Serial No. 54,971. 3 Claims. (Cl. 59—80.)

1. In a chain, two elongated loop links set one within the other, each having depressions in its side arms forming corresponding projections on their inner surfaces extending toward each other, the inward projections of one extending into the spaces in the other interlocking the two together to present the appearance of a plurality of separate links.

1,567,087. TELEPHONE-EXCHANGE SYSTEM. PERCY C. SMITH, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 12, 1923. Serial No. 668,072. 21 Claims. (Cl. 179—18.)



1. In a telephone system, a subscriber's line, switching mechanism for extending connections from said line, and a central office sender for controlling said switching mechanism in accordance with call designations registered thereon, said sender having a unitary registering mechanism comprising cooperating elements for registering all digits of call designations.

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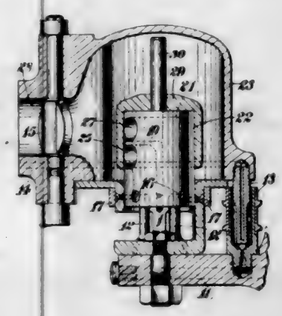
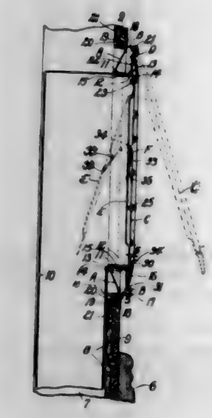
1,567,088. CARBURETING DEVICE. HERBERT WILLIAM SPILLER, Hampstead, London, England, assignor to S. Smith & Sons (Motor Accessories) Limited, Cricklewood, London, England, a British Company. Filed Feb. 14, 1924. Serial No. 692,749. 1 Claim. (Cl. 261—41.)



In a carbureting device, the combination of a suction chamber having a delivery outlet at one side thereof and an intake opening at one end, a duct block of elongated form having one end in said intake opening and extending in said chamber with its longitudinal axis lying transversely to the axis of said delivery outlet, which block has a plurality of ducts extending each, separately from the others, from the said intake opening to a delivery mouth at one side of the block facing said delivery outlet, the delivery mouths of which ducts are situated at different positions along the length of the block, and a suction-operated sleeve-valve movable axially along the peripheral surface of the block to successively cover and uncover the said delivery mouths, substantially as described.



1,567,089. WALL-REGISTER CONSTRUCTION. HERBERT W. SYMONDS, St. Louis, Mo. Filed May 29, 1925. Serial No. 33,651. 7 Claims. (Cl. 98—54.)



1. The improvement in wall register construction comprising a wall frame arranged to be telescopically mounted over a stack head of ordinary construction and having a marginal beveled flange provided with plaster-engaging apertures.

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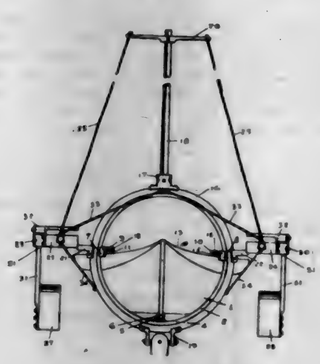
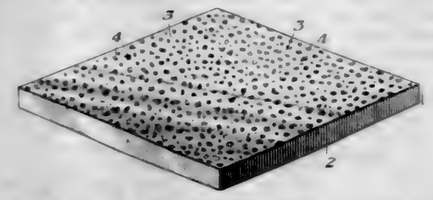
1,567,090. WIND-PROPELLED WATER CRAFT. WILLIAM HENRY THORBURN, Collingwood, Ontario, Canada. Filed Feb. 9, 1925. Serial No. 7,967. 13 Claims. (Cl. 114—61.)



1. A wind propelled boat comprising, a hull, a mast stepped to transmit the forward thrust of the wind thereto and to oscillate athwartship, independently of the listing movement of the hull, means for guiding the oscillating movements of the mast athwartship and preventing its movement in a direction axially of the hull, and two floats, one on each side of the hull, connected with the mast for normally maintaining it in, and restoring it to, a position perpendicular to the hull when not subjected to wind pressure.

1,567,091. ANTISLIP TILE. FRANK J. TONE, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed Jan. 25, 1922. Serial No. 531,771. 3 Claims. (Cl. 94—5.)



1. As a new article of manufacture, a burned tile having in its tread surface clusters of abrasive grains previously bonded by a ceramic binder.

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1,567,092. COSMETIC-POWDER DISPENSER. ROY M. WARBERG, BERNHARD ANDERSON, and FRANK ANDERSON, Chicago, Ill. Filed Mar. 5, 1925. Serial No. 13,038. 6 Claims. (Cl. 132—83.)

1. A powder holder capable of use as a vanity case, comprising a body portion for containing a powder, an endless powder conveyor movably arranged in said case and extending into the powder space of the body portion for contact with the powder, said conveyor being capable of carrying adhering powder thereon to a point where the powder may be removed from the conveyor by the application of a powder puff or the like.

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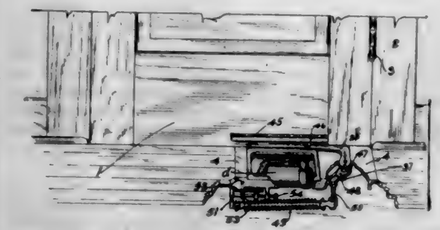
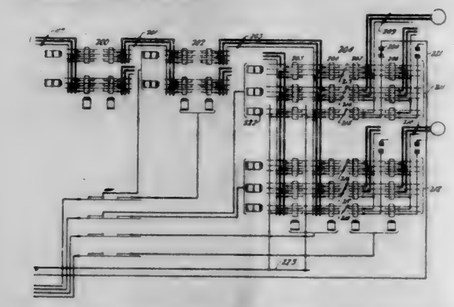
1,567,093. DOORCHECK. LEONIDAS D. WEST, Denver, Colo. Filed Feb. 16, 1923. Serial No. 619,400. 4 Claims. (Cl. 16—55.)



4. A door closing and retarding device comprising a supporting member adapted to be secured in an opening in the floor, said opening being wholly in front of the door when the latter is in the closed position, a removable plate for closing said opening, a lever pivotally mounted on the support and adapted to swing in a plane parallel to the upper surface thereof, a crank

arm non-rotatably connected to said lever at the lower side of the support, a dash pot operatively connected between the support and the crank, said dash pot being adapted to retard the movement of the crank and lever in one direction and permit free movement in the other direction, and spring means connected with said crank and adapted to move the lever against the retarding action of the dash pot.

1,567,094. TELEPHONE-EXCHANGE SYSTEM. SAMUEL B. WILLIAMS, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Oct. 23, 1922, Serial No. 596,179. Patent No. 1,517,331, dated Dec. 2, 1924. Divided and this application filed June 21, 1924. Serial No. 721,377. 10 Claims. (Cl. 179—9.)



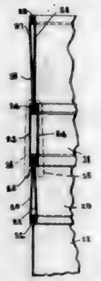
1. In a telephone system, a calling line, a register for said line, called subscribers' lines, selective switches for establishing connection between the calling line and said called lines, a controlling mechanism for selectively governing the operation of said switches, means controlled by one of said switches for setting up a record in said mechanism when connections are extended to certain ones of said called lines, means for operating said register, and means controlled by said mechanism when said record is set up therein for disabling the register operating means.

1,567,095. SELF-WINDING MEANS FOR SHADE ROLLERS. ALASTA ANDERSON, Troy, Ohio. Filed May 1, 1923. Serial No. 635,984. 1 Claim. (Cl. 156—36.)

A journal of the class described comprising a trunnion having means for coaction with an escapement pawl, a socket adapted for reception of a roller trunnion, said socket being open at a side thereof, and a cap carried by the socket and movable with respect thereto normally closing said opening, said cap being adapted to be opened to expose the opening for removal of the roller trunnion.

1,567,096. REVERSIBLE SHIRT. CHARLES E. ANDERTON, Jr., Milwaukee, Wis., assignor to Walton Duplex Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 12, 1922. Serial No. 594,129. 6 Claims. (Cl. 2—115.)

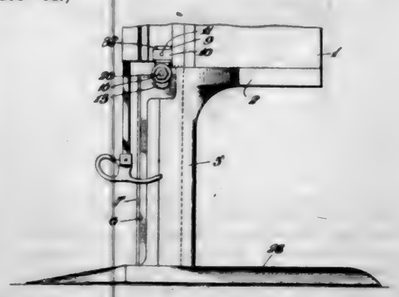
1. As a new article of manufacture, a complete reversible shirt including a collar formed as an integral part thereof and having a body portion, a neck band, and shoulder strips, the neck band being formed of a pair of strips, the shoulder strips being arranged in pairs, the adjacent edges of one of said pairs of strips being embraced by and secured between the adjacent edges of the other, the shoulder strips also embracing edges of the said body portion to provide an overlapping engagement on two sides between the neck band and the collar and the shoulder strips and the body to form substantially the same appearance in either position of use.



1,567,097. WELL FIRE EXTINGUISHER. ANTON AXEL ANTHONY, Memphis, Tenn. Filed Dec. 18, 1924. Serial No. 756,769. 4 Claims. (Cl. 169—4.)

1. In a device of the class described, the combination, with a well-pipe and a source of supply for fire-extinguishing material, of a pipe line leading from said source, and having communication with said well-pipe through means which constitute, with said well-pipe, an injector, whereby fire-extinguishing material is drawn into said well-pipe by the fluid passing therethrough.

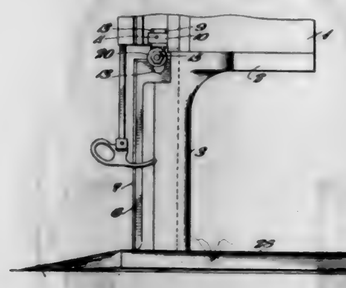
1,567,098. BLADE FOR FABRIC-CUTTING MACHINES. ISAAC APPELBAUM, Philadelphia, Pa. Filed Dec. 14, 1922. Serial No. 606,773. 14 Claims. (Cl. 164—58.)



1. A vertically reciprocable knife for fabric cutting machines having opposed vertical cutting edges and a plurality of openings arranged in a group intermediate said cutting edges.

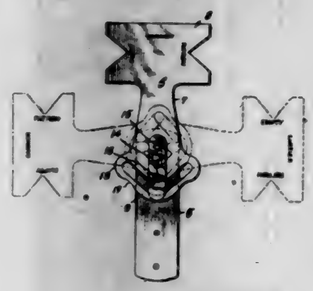


1,567,099. FABRIC-CUTTING MACHINE. ISAAC APPELBAUM, Philadelphia, Pa. Original application filed Dec. 14, 1922, Serial No. 606,773. Divided and this application filed Aug. 18, 1925. Serial No. 50,892. 12 Claims. (Cl. 164—75.)



1. In a fabric cutting machine, a blade, a retainer slot for the blade, a guide channel, a guide plate rigid with the blade and operating in said channel to direct the movements of the blade in a straight line, a slidable mounting adapted to be reciprocated, and a transversely yieldable head on the mounting having jaws for connection with one end of the blade.

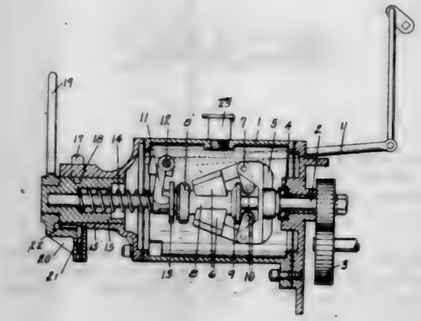
1,567,100. SIGNAL FOR MAIL BOXES. KEMPER W. BABER, Richmond, Va. Filed Dec. 3, 1924. Serial No. 753,749. 4 Claims. (Cl. 232—34.)



1. In a signalling device for mail boxes or the like, a bracket, a pair of vertically alined pins extending transversely from the bracket, a plate connecting the pins and spaced from the bracket, a signal provided with a longitudinally extending slot for receiving the uppermost pin and a transversely extending slot for receiving the lower pin.

1,567,101. CENTRIFUGAL GOVERNOR FOR GASOLINE ENGINES. CURTIS L. BAILEY, Lansing, Mich., assignor to "New Way" Motor Company, Lansing, Mich. Filed May 20, 1922. Serial No. 562,490. 2 Claims. (Cl. 264—3.)

1. The combination of a centrifugal governor, a suitable casing therefor with an axially projecting hub containing a bearing surface, an adjustable cap with a spiral groove notch in the periphery embracing the governor spindle adapted to and supported in said bearing, a governor spring on the said spindle with its outer end seated in said cap, a pointed screw pin in said hub the point engaging the said groove in the periphery of said cap, a lever for adjusting the said cap, a spring pin carried by said lever, and a notched segment on said hub extension and integral therewith yieldingly engaged by said spring pin, coacting as specified.



1,567,102. HEDDLE. LLOYD BALDERSTON, Wilmington, Del., assignor to J. E. Rhoads & Sons, Philadelphia, Pa., and Wilmington, Del., consisting of George A. Rhoads, William E. Rhoads, and Joseph Edgar Rhoads. Filed Nov. 4, 1925. Serial No. 66,849. 5 Claims. (Cl. 139—96.)

3. The combination in a heddle structure, of a base, and a series of heddles secured at the lower ends of the base and free at the upper ends, said heddles having tongues offset to form eyes.

1,567,103. AUTO-CHAIN FASTENER. DONALD V. BANDS, Kinross, Iowa. Filed June 4, 1924. Serial No. 717,785. 1 Claim. (Cl. 24—241.)

A connecting device for connecting the ends of chains, and including a body portion comprising a bar having an enlarged portion formed with a shoulder at its inner end and having a hook formed integral therewith, a slidable housing adapted to move over the body portion to close the hook member, said housing having a down-

wardly extended tongue adapted to engage the shoulder, said body portion having an opening arranged adjacent to the shoulder, a cotter key adapted to be positioned

in the opening, said cotter key adapted to cooperate with the shoulder to restrict movement of the housing, and said hook adapted to be housed by the housing.

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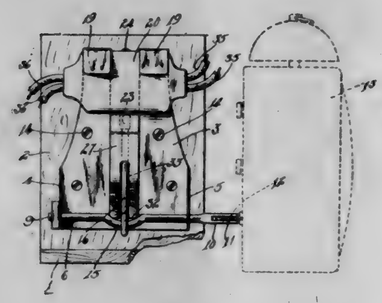
1,567,104. SWITCH-OPERATING DEVICE. MARTIN JULIUS BECK and CARL L. BECK, St. James, Minn. Filed Feb. 1, 1923. Serial No. 616,897. 1 Claim. (Cl. 200—35.)



A device of the character described, comprising a base member, clamping lugs integral with said base member for holding an electrical switch mechanism having a push rod for operating the mechanism, a crank shaft rotatably mounted on said base member with its axis perpendicular to the axis of said push rod of said switch mechanism, said crank shaft being fashioned with one of its ends for engagement with the winding key of an alarm clock, a connecting rod connected at one end to said crank shaft and having its opposite end adjacent to the end of said push rod, whereby rotation of said crank shaft may occasion a longitudinal movement of said push rod, and bearing means for maintaining said connecting rod in registration with said push rod, said bearing means being formed integral with said base member and cooperating with said clamping lugs and securing said switch mechanism to said base member and encompassing the space occupied by said switch push rod when it is projected toward said connecting rod.

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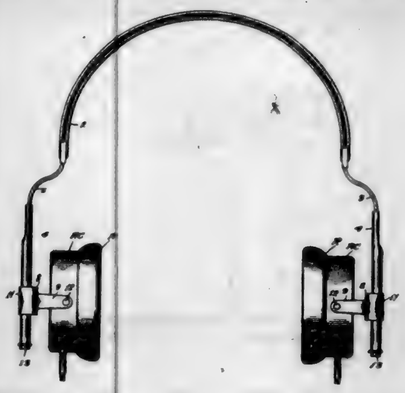
1,567,105. HEAD RECEIVER SET. ERNEST A. BOHLMAN, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed May 20, 1922. Serial No. 562,313. 5 Claims. (Cl. 179—156.)

2. A device of the character described comprising a head band having a cylindrical member secured thereto, an adjustable receiver supporting member having its body portion intermediate its ends formed into a loop of a size to receive said cylindrical member by means of a



force fit so as to bear pressure against the same to retain said supporting member in its adjusted position under normal pressure.

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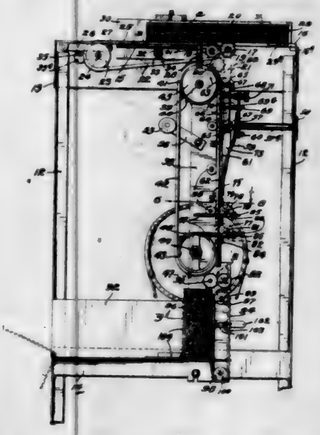
1,567,106. PAPER-FOLDING MACHINE. VITUS A. BOKAN, Minneapolis, Minn. Filed June 30, 1922. Serial No. 572,081. 25 Claims. (Cl. 270—66.)



1. In a folding machine, means for holding a stack of sheets, reversely acting revoluble friction devices, and a stop located beyond said friction devices for holding the lowermost sheet, the friction device farthest from the stop having a circumference materially greater than that of the other friction device, whereby the respective portion of the lowermost sheet will be moved toward the stop and thereby buckled at its intermediate portion and fed between the friction devices.

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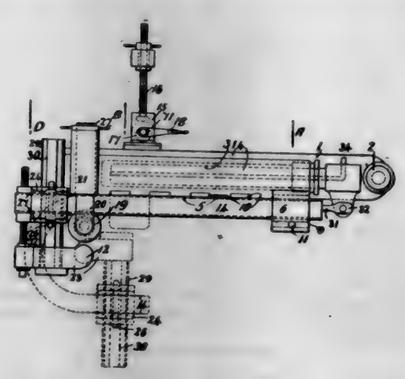
1,567,107. MACHINE FOR BENDING TUBES AND THE LIKE. CARL ROBERT HUGO BONN, Hillhead, Glasgow, Scotland. Filed Aug. 4, 1922. Serial No. 579,673. 14 Claims. (Cl. 153—40.)

1. A tube bending machine comprising a supporting element; a cylinder and a ram so mounted thereon as to



provide relative movement therebetween; means for clamping a tube to be bent to said cylinder; a guide roller for said tube; an axis; an arm mounted on said



axis; and a clamp-member carried by said arm adapted to engage said tube, whereby the latter may be bent upon a movement of the same.

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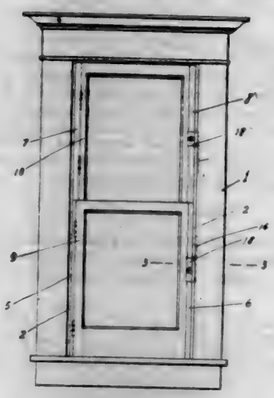
1,567,108. COMBINED WINDOW SAFETY LOCK. HUGO R. BOTHE, Kenosha, Wis. Filed June 18, 1924. Serial No. 720,830. 1 Claim. (Cl. 292—142.)



A locking means for the purpose set forth, comprising a casing, a bolt which is round in cross section slidable through the casing, said bolt having its upper edge formed with equi-distantly spaced notches, and its opposite edge at the center thereof provided with teeth, a roller having its ends journaled in the sides of the casing and provided with teeth for engagement with the teeth of the bolt, a removable operating element for the roller, a substantially U-shaped member in the casing having the ends of its parallel arms rounded inwardly to straddle the bolt and its said rounded portions centrally formed with tongues to engage the notches of the bolt, and an arched spring supported in the casing and having its ends contacting with the corners of the U-shaped member to influence the arms thereof into bolt engagement.

1,567,109. OVERSHOT. ALEXANDER BOYNTON, San Antonio, Tex. Filed Mar. 26, 1925. Serial No. 18,045. 12 Claims. (Cl. 294—86.)

1. An overshot including a hollow body portion adapted to receive a plastic substance, and a frangible packing member designed to prevent the escape of the plastic substance and yet admit the passage of the object to be recovered into the body portion and into the plastic substance whereby when the plastic substance hardens the object to be recovered will be firmly bound to the overshot.

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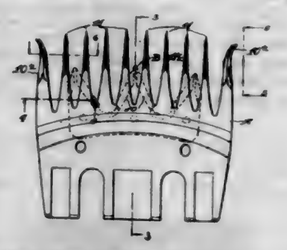
1,567,110. SHEEP SHEAR. FRANCIS G. W. BRISTOW, Sydney, Australia. Filed Apr. 9, 1925. Serial No. 21,805. 11 Claims. (Cl. 30—1.)



1. In a sheep shear and the like in combination with a vibrating toothed cutter, a comb and fixed cutter member having the comb teeth severally, at points situated forwardly of the line of stroke of the points of the teeth of the vibrating cutter, flexed away from the plane of shearing contact of the vibrating cutter and the comb for terminating at a substantial distance from said plane; whereby the vibrating cutter is upheld and the plane of shearing is positioned at a distance from the pelt to insure adequate length of stubble.

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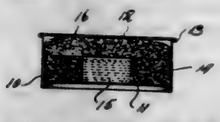
1,567,111. LUBRICATING DEVICE. WILLIAM B. BURR, North Plate, Nebr. Filed May 19, 1925. Serial No. 31,341. 1 Claim. (Cl. 15—138.)



A lubricator of the character described comprising a casing, an annular pad of absorbent material disposed in the casing, the central aperture of the pad defining an

oil well, a pad projecting above the casing and extending entirely over this oil well, and a cover adapted to fit upon the casing.

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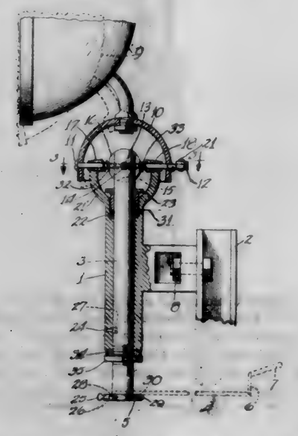
1,567,112. DIRIGIBLE HEADLIGHT FOR VEHICLES. JAMES M. CALKINS, Chicago, Ill., assignor to Scott Head Lamp Control, Miami, Fla., a Corporation of Florida. Filed July 19, 1923. Serial No. 652,632. 4 Claims. (Cl. 240—62.)



1. A dirigible headlight construction for vehicles having a steering mechanism, headlight supporting standards carried by said vehicle and having cam surfaces, headlight carrying members having a universal connection with each standard, a cam carried by said members for swinging said lights downwardly when said members are rotated, means for automatically moving said cams to take up wear, and means connecting said member with said steering mechanism, whereby said members are rotated when said steering mechanism is actuated.

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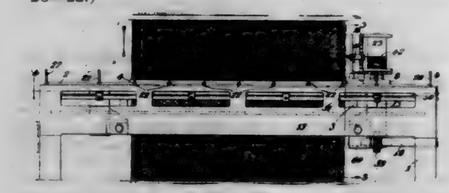
1,567,113. MACHINE FOR UNWINDING WARP SHEETS. EDWIN E. CARLSON, Chester, Pa. Filed Feb. 5, 1925. Serial No. 6,979. 3 Claims. (Cl. 28—22.)



1. In a machine for unwinding warp sheets, an endless carrier encompassing the warp sheet, a spool carrier attached thereto, a spool spindle and spool carried thereby, a reversing screw rotatably mounted on the spool carrier, a thread guide operatively connected with the reversing screw, a series of pins disposed adjacent the path of travel of the spool carrier, and a star wheel fixed to the reversing screw adapted for engagement with the pins and to be rotated thereby.

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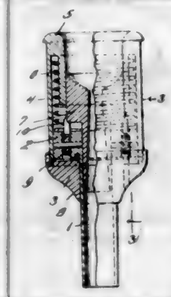
1,567,114. MOUTHPIECE. RURIC E. COBB, Longwood, Fla. Filed May 22, 1924. Serial No. 715,206. 2 Claims. (Cl. 84—398.)

1. In a mouth piece, a tubular member, gear wheels, journaled on the tubular member, a base collar slidably mounted upon the tubular member, a shell carried by the base collar, a rim member inserted in the shell, a spring interposed between the tubular member, and the rim member, a cup slidably mounted in the rim member and the tubular member, and rack arms carried by the cup and the base collar and engaging the gear wheels at opposite sides thereof.



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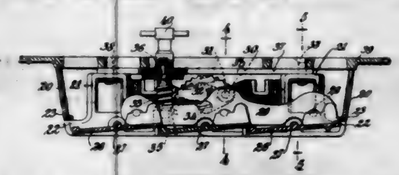
1,567,115. CONVERTIBLE REGISTER. LEONARD J. COLGAN, Glendale, N. Y., assignor to Tuttle & Bailey Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 15, 1921. Serial No. 507,908. 13 Claims. (Cl. 98—49.)



1. In a convertible register, the combination with the usual casing, cover plate and dampers, of damper operating mechanism comprising a toothed sector, a worm in meshed relation therewith, and bearings for said worm, said sector, worm, and one of said bearings being detachable whereby a manual operating sector may be readily substituted for said worm and toothed sector, thereby converting said register from one of the "lock" type to one of the "non-lock" type.

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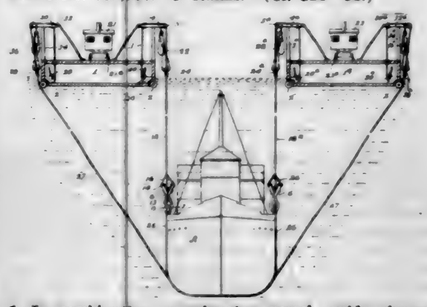
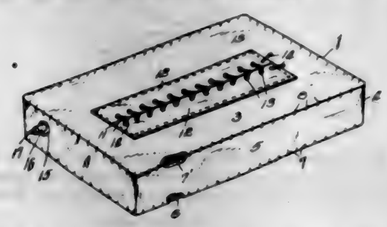
1,567,116. SHIP-HOISTING APPARATUS. JAMES G. CURRY, Leavenworth, Kans. Filed Nov. 18, 1924. Serial No. 750,607. 5 Claims. (Cl. 114—51.)



1. In combination, a salvaging vessel, guide sheaves supported above said vessel, a drum mounted on said vessel, a hoisting cable connected at one end to said drum and running over and depending from said guide sheaves, and an antifriction roller at the adjacent lower corner of the salvaging vessel for engagement by said cable.



1,567,117. PNEUMATIC MATTRESS. ELMER G. DANIELS, St. Louis, Mo. Filed June 20, 1924. Serial No. 721,363. 2 Claims. (Cl. 5—348.)



1. In a mattress structure, an air inflated elastic receptacle, a fabric casing for said elastic receptacle, a slit formed in the fabric casing, facing strips having openings therein for the side edges of said slit, a lacing string receivable in said opening for closing the slit, and a pair of opposed endless wire frame members disposed within the fabric casing and sewed thereto by means of stitches for reinforcing the upper and lower edges of the fabric casing.

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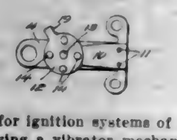
1,567,118. VIBRATOR STRUCTURE FOR SPARK COILS. MARION H. DICKSON, Lewistown, Ill. Filed Aug. 3, 1925. Serial No. 47,867. 4 Claims. (Cl. 200—90.)



1. A spark coil for ignition systems of an internal combustion engine having a vibrator mechanism; comprising a stationary element, a vibratory element, rotatable members, one of said rotatable members being mounted on each element, and a plurality of contact points mounted in spaced relation on said rotatable members, any one contact member being adapted for positioning to engage any one contact on the other member for circuit controlling cooperation.

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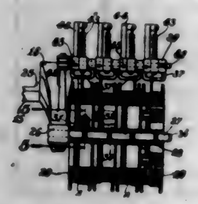
1,567,119. FASTENER-STOCK-SUPPLYING MECHANISM FOR FASTENER-INSERTING MACHINES. STEPHEN A. DOBYNS, St. Louis, Mo., assignor to Champion Shoe Machinery Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 25, 1922. Serial No. 603,287. 12 Claims. (Cl. 242—103.)



1. Mechanism for feeding a strand of fastener stock from a reel to means for operating on fastener stock, comprising, means for restraining the reel adapted to cause sudden release thereof.

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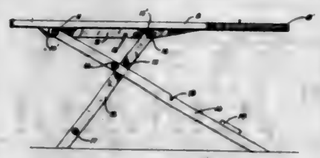
1,567,120. IRONING BOARD. JOHN P. DORAU, Horicon, Wis. Filed Aug. 13, 1923. Serial No. 657,236. 1 Claim. (Cl. 68—10.)

An ironing table, comprising a board member having a pair of spaced, longitudinally extending and downwardly projecting rails connected to the bottom portion thereof, a pair of legs pivotally connected to said rails near the mid-portion of said board, another pair of legs somewhat longer than the first-mentioned legs and pivotally connected to said rails near one end of the board, said pairs of legs crossing each other medially of their length with one pair extending between the other pair



of legs when the legs are moved away from the board, and lying parallel to and adjacent the board and extending in the same direction when folded toward the board, and stop rods carried by each pair of legs to abut against the other pair of legs to limit the unfolding movement of said legs and to hold them firmly in unfolded position.

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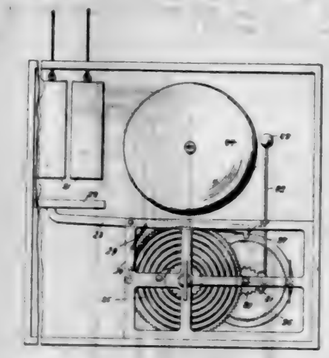
1,567,121. FIRE AND BURGLAR ALARM SYSTEM. SCOTT IRVING DRESSER, Conticook, Quebec, Canada. Filed Apr. 4, 1925. Serial No. 20,790. 1 Claim. (Cl. 116—94.)



A combined burglar and fire alarm, comprising a motor operated alarm, and said motor including a notched wheel, a pivotally supported brake lever having a tooth to engage in the notch of the wheel to hold the motor inactive, weights suspended above the lever, flexible burnable and breakable elements to which the weights are attached, and said elements designed to be trained around the rooms of a building, a bracket to which the ends of the elements are secured, a lever pivotally secured on the bracket having a flared opening terminating in a knife edge through which the flexible element passes, and said lever having a loose connection with a swingable or movable portion of the building such as a door or window whereby the lever will be swung upon the opening of such element to sever the flexible element and permit of the weight dropping on to the brake to influence the latter to permit of the actuation of the motor.

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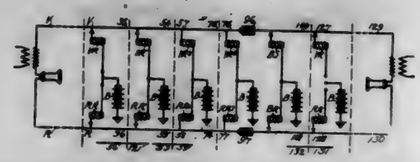
1,567,122. AUTOMATIC TELEPHONE-EXCHANGE SYSTEM. BERT G. DUNHAM, Chicago, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Oct. 5, 1904. Serial No. 227,287. 6 Claims. (Cl. 179—18.)

1. In a telephone system, a metallic circuit line, a substation therefor, a selector for said line, selecting contacts in said selector, a pair of controlling magnets bridged across said line, a source of current adapted to energize said magnets over the limbs of said line and a

third conductor, means at the substation for connecting one limb of said line to said third conductor for energizing one of said magnets to cause the movement of said selecting contacts in one direction, means at the substation for closing the circuit between the other limb of said line and said third conductor for energizing the sec-



ond of said magnets to cause the movement of said selecting contacts in another direction, a side switch adapted to disconnect both of said magnets and said line, and means controlled by said second magnet for operating said side switch to disconnect both of said magnets from said line, substantially as described.

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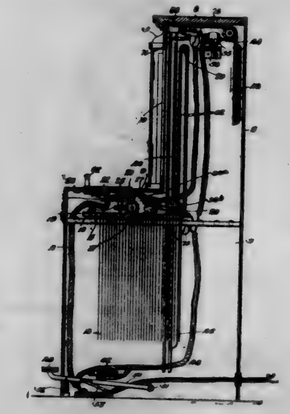
1,567,123. DISPLAY DEVICE. SOLOMON ELIAS DUVECK, Montreal, Quebec, Canada, assignor to Public Service Directories, Inc., New York, N. Y. Filed Apr. 8, 1922, Serial No. 550,726. Renewed Nov. 9, 1925. 6 Claims. (Cl. 40—28.)



1. In a machine of the character described, the combination of a plurality of display cards, means for supporting the same, means for selecting certain of said cards, electrical means for raising and lowering said cards, means for locking the selecting means, means engageable by the cards when in one position for causing the electrical means to cease operation, and means actuated by the cards upon movement to another position, to throw the selecting mechanism locking means out of operation.

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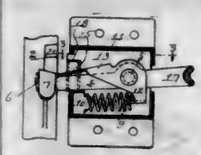
1,567,124. DOOR LATCH. ANDREW EKMAN, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed May 9, 1924. Serial No. 712,014. 3 Claims. (Cl. 292—332.)

1. In combination with a keeper therefor, a door latch comprising: a bolt having a rocking movement into and out of latching engagement with the keeper; a support; a member having a rocking movement parallelly with the bolt's said movement and a swinging movement transversely thereto; means for yieldingly pressing said member in resting position on the support and in latch-operating engagement with the bolt, said member being movable from the support by striking the keeper.



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1,567,125. DOOR LATCH. ANDREW EKMAN, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Feb. 19, 1925. Serial No. 10,207. 2 Claims. (Cl. 292—164.)

1. In combination with a swingable door; a latch having an operating lever fulcrumed on the outer side of the door; a lever fulcrumed on the inner side of the door; a lever fulcrumed on the inner side of the door and having an arm engaged by an arm of the second-mentioned lever; a slidable rod extending through the door and engaging the first-mentioned lever and engaged by the other arm of the third-mentioned lever to swing the first-mentioned lever to unlatching position by the swinging movement of the second-mentioned lever.

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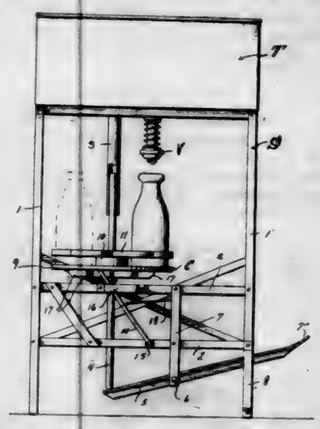
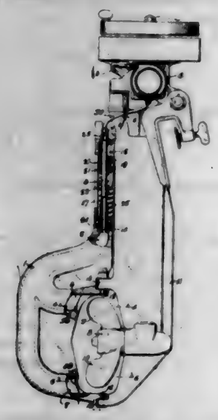
1,567,126. BOTTLE-FILLING APPARATUS. JAMES G. ERION, Grand Island, Nebr. Filed Sept. 4, 1924. Serial No. 735,916. 6 Claims. (Cl. 226—96.)



1. A bottle filling machine comprising, in combination, a supply tank, a normally closed filling valve depending therefrom, a member supported for both vertical movement and rotary movement, a bottle holding plate carried by said member and moving therewith, said bottle holding plate being adapted to position the bottles below the valve, means for raising said bottle holding plate to bring a bottle into engagement with the filling valve, and means coacting with the bottle holding plate upon downward movement thereof to rotate said plate a distance sufficient to bring a succeeding bottle in position directly below the filling valve.



1,567,127. WATER-COOLING SYSTEM FOR OUTBOARD MOTORS. OLE EVINRUDE, Milwaukee, Wis., assignor to Elto Outboard Motor Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 28, 1924. Serial No. 722,885. 21 Claims. (Cl. 115—18.)



1. In a water cooling system for outboard motors, in combination, a housing, a propeller supported at the lower end of said housing, said rudder being provided with a passage having the inlet end thereof arranged adjacent to said propeller, a water jacket supported by said housing, a tube connecting said water jacket with the outlet end of said passage, and an outlet connection leading from said water jacket.

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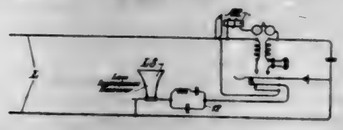
1,567,128. WIRE PROGRAM-TRANSMISSION SYSTEM. CHARLES H. EWITT, Millburn, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 18, 1923. Serial No. 668,447. 5 Claims. (Cl. 179—81.)



1. In a program transmission system, a subscriber's telephone line having a subscriber's telephone set at the subscriber's station and a program receiving circuit normally bridged across said line at the subscriber's station when the telephone set is not in use, said receiving circuit including a low impedance receiver for program currents and means in said circuit to prevent direct current from flowing through said circuit.

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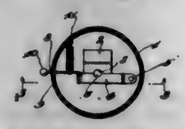
1,567,129. FASTENER. IRLEY C. FIFE, Chicago, Ill. Filed Jan. 18, 1924. Serial No. 687,112. 1 Claim. (Cl. 24—211.)



A fastener including a casing having an opening in one wall and a slot in the side of said casing, an angular plate in the casing having one flange secured to the wall of the casing opposite the opening and the other flange spaced from the walls of the casing and having an arcuate recess in the outer edge thereof, a movable arm arranged parallel with the aligning flange of the angular plate, said arm having one end offset and pivotally connected to the wall of the casing to which the angular plate is attached, an arcuate recess in one edge of the arm cooperating with the first recess to normally form an opening aligning with the opening in the wall of the casing, a rod attached to the free end of the arm, said rod being movable in the slot, and a coil spring connected to the rod and to the casing whereby to normally retain the arm in abutting relation with the flange of the angular plate which is spaced from the walls of the casing.

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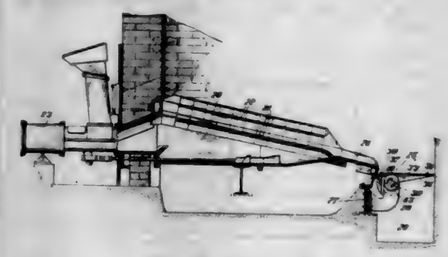
1,567,130. ASH-DUMPING MEANS FOR UNDERFEED STOKERS. FRANK E. FLEMING and WILLIAM E. DE VOE, Detroit, Mich., assignors, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 24, 1920. Serial No. 433,011. 6 Claims. (Cl. 110—32.)



3. A furnace ash-dump platform structure, comprising a shaft of noncircular section and a plurality of platform-sections each having a hub with a recess shaped similarly to the cross-section of the shaft for engagement with the latter by movement of the platform-section in a predetermined direction with respect to the shaft, adjacent platform-sections having detachably inter-engageable means arranged to be interengaged by movement of one said platform-sections relative to another in the same direction that engages the first said platform section with the shaft.

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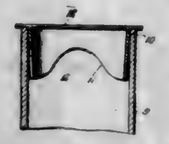
1,567,131. CAP FOR WASTE AND VENT PIPES. JOHN R. FLINN, Johnstown, Pa., assignor of one-half to Timothy P. Flinn and P. H. Farrell, both of Johnstown, Pa. Filed Jan. 29, 1925. Serial No. 5,573. 1 Claim. (Cl. 137—76.)



A cap for waste and vent pipes including an integral body comprising a tapering tubular portion one terminal of which is scalloped and the other terminal equipped a circular head the periphery of which protrudes beyond the outer periphery of the pipe.

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1,567,132. TOY BALLOON. HARRY R. GILL, Ashland, Ohio, assignor to The Eagle Rubber Company, Ashland, Ohio, a Corporation of Ohio. Filed Jan. 30, 1925. Serial No. 5,904. 4 Claims. (Cl. 46—37.)

1. As a new article of manufacture, a thin-walled inflatable rubber body, the walls whereof are substantially transparent in the distended condition of the body, the

latter having a design imprinted on its outer surface which is visible in the normal collapsed condition of the body but becomes substantially invisible upon distention

thereof and a second design imprinted on its inner surface which becomes visible upon such distention of the body.

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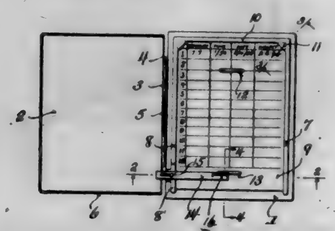
1,567,133. CARD CONTAINER. EDGAR NATHAN GOLDSTINE, Milwaukee, Wis. Filed Mar. 3, 1925. Serial No. 12,878. 3 Claims. (Cl. 40—10.)



1. A card container comprising a base having marginal flanges adjacent two of its edges and having retaining webs for the upper corners of a card, a cover movably held to said base, and a retainer adapted to be moved across the lower portion of such card to hold such portion in position.

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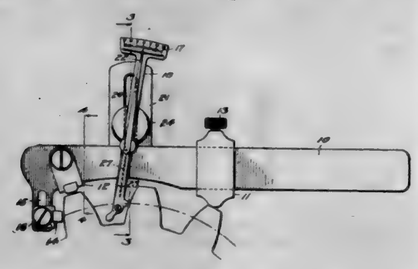
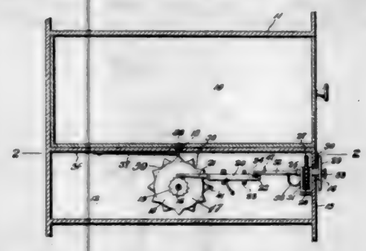
1,567,134. GEAR-TOOTH GAUGE. JAMES W. GOSNELL, Baltimore, Md., assignor to Poole Engineering and Machine Company, Baltimore, Md., a Corporation of Maryland. Filed Apr. 8, 1925. Serial No. 21,621. 6 Claims. (Cl. 33—174.)



1. In an instrument for measuring the pitch or tooth spacing of gears, the combination of a handle member, two supporting legs spaced longitudinally of said handle and adapted to engage the face of two teeth, a gauge on said handle adapted to engage the pitch line of one of said teeth, a movable indicator carried by said handle adapted to engage the pitch line of a third tooth, and a scale carried by said handle cooperating with said indicator.

1,567,135. SAFE-DEPOSIT-BOX LOCK. JAMES G. GREGORY, Quincy, Fla. Filed Apr. 25, 1925. Serial No. 25,859. 16 Claims. (Cl. 70—53.)



1. A locking device of the character described including a series of latches, a series of disks each having a series of lugs each engageable with the corresponding latch and when engaged shifting the latch to a locking position, and single means for selectively giving a step by step movement to anyone of the disks independently of any other disk to carry its lugs successively into or out of operative engagement with the corresponding latch.

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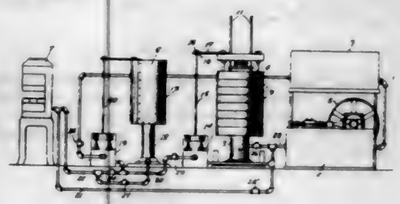
1,567,136. PRESSURE-CONTROL SYSTEM. HENRY J. GRIGOLEIT, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Original application filed July 2, 1923, Serial No. 649,185. Divided and this application filed Dec. 17, 1924. Serial No. 756,488. 20 Claims. (Cl. 138—16.)



1. A valve device of the character described including a plurality of valve units, mechanism for operating said valve units, means for simultaneously operating said mechanism, and different sized passages through said valve controlled by said different valve units.

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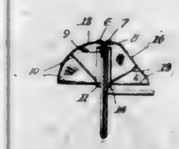
1,567,137. EYESHIELD. WILLIAM C. GULDE, St. Paul, Minn., assignor to Lawrence Welp, Bancroft, Iowa. Filed May 26, 1924. Serial No. 715,981. Renewed May 12, 1925. 1 Claim. (Cl. 2—13.)



An eyeshade including a curved body portion, means for securing the curved body portion to the frame of an eye glass, said body portion having a concaved outer surface, curved members secured to the inner surface of the body portion adjacent to the ends thereof, said curved members having concaved inner surfaces, a flexible covering supported by the body portion and adapted to move within the outer concaved surface thereof, flexible members at the ends of the body portion and adapted to move within the concaved surfaces of the curved members that are secured to the inner surface of the body portion.



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1,567,138. HOLDER AND GUIDE FOR SKEINS OF SILK, COTTON, OR OTHER SIMILAR MATERIAL. FERDINAND Q. HARTMAN and EUGENE ATWOOD HARTMAN, Danville, Pa. Filed May 16, 1924. Serial No. 713,730. 11 Claims. (Cl. 242—127.)

1. A stationary skein holder comprising, a frame having a continuous peripheral band, and a series of skein holding supports, each of said supports having one end free to receive the skein and the opposite end fixed to one side of said frame.

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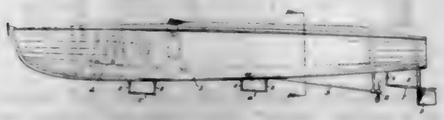
1,567,139. HYDROPLANE. GUNNAR J. HARTVIG, Highland Park, Mich. Filed June 16, 1924. Serial No. 720,156. 3 Claims. (Cl. 114—66.5.)



1. In combination with the hull and propeller of a vessel, hydro-planes spaced below said hull forward of said propeller, and stern planes spaced below said hull abaft said propeller, said planes being supported by struts at the front and back thereof.

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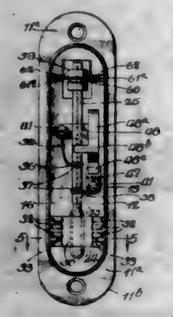
1,567,140. MERCURY-TUBE SWITCH. WILLIAM G. HARTWIG, Chicago, Ill. Filed May 11, 1923. Serial No. 638,165. 2 Claims. (Cl. 200—141.)



1. A switch comprising a mercury tube, means for supporting said mercury tube adjacent each end thereof, a pair of contacts connected to said tube between said supports, a metallic clip connected to one of said contacts and provided with a resilient arm having a part engaging the outer side of said tube between said supports, and a second metallic clip connected to the other of said contacts and adapted to be engaged by said resilient arm upon breakage of said tube between said supports.

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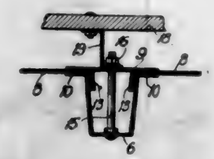
1,567,141. CAR ROOF. ROBERT D. HAWKINS, Wilmington, N. C. Filed Oct. 27, 1924. Serial No. 746,011. 5 Claims. (Cl. 108—5.4.)



1. A car roof comprising channel-shaped carlines extending from side plate to side plate and rigidly secured thereto, roof sheets extending from side plate to side plate with their side margins supported on the side walls of adjacent carlines, cap strips extending from side plate to side plate and covering the carlines and the side marginal portions of the sheets supported thereby, and means for securing said caps in position, said means comprising a plurality of upright fastening members removably engaging said cap strips and permanently secured directly to the webs of the carlines.

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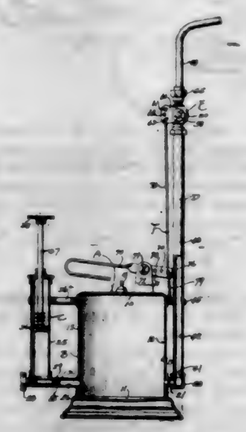
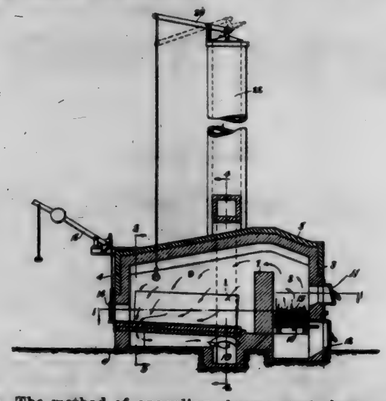
1,567,142. POWER OIL CAN. CLARKSON GLEN HAWORTH, Russiaville, Ind. Filed Apr. 28, 1924. Serial No. 709,648. 10 Claims. (Cl. 221—52.)



1. In an oil can of the class described a container, a spout for the container, a valve for the spout, and means for varying the maximum open position to which the valve may be moved.

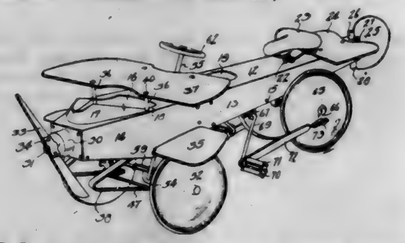
2. In an oil can of the class described a container, a spout for the container, a valve for the spout, means for varying the maximum open position to which the valve can be moved, and means for building up pressure within the can for the full speed of lubricant through said spout.

1,567,143. ANNEALING STEEL SHEETS. JOHN THOMAS HAY, Canton, Ohio, assignor to United Alloy Steel Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 19, 1925. Serial No. 3,309. 10 Claims. (Cl. 148—16.)



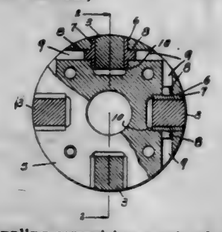
1. The method of annealing chrome steel sheets which includes heating the sheets for annealing in an oxidising atmosphere to form a soluble scale thereon.

1,567,144. TOY VEHICLE. NICKOLAS HECK, Sioux City, Iowa, assignor of one-half to James R. Carnes, Sioux City, Iowa. Filed Apr. 30, 1925. Serial No. 26,964. 5 Claims. (Cl. 208—42.)



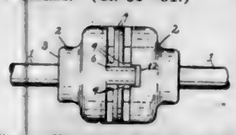
5. In a toy vehicle, a base, an inverted, channel-shaped shell secured to the sides of said base, having an upper wall and side walls, wheels supporting the vehicle, a pair of sleeves supported by the base and extending through said upper wall, a plane supported upon the upper ends of said sleeves, and bolts extending through the planes, the sleeves and the base, securing the plane in fixed relation above the body.

1,567,145. SHAFT COUPLING. EUGENE HIGGINS, Jackson, Mich. Filed Mar. 15, 1924. Serial No. 699,529. 2 Claims. (Cl. 64—91.)



1. A shaft coupling comprising a pair of shaft members each having driving lugs and recesses adapted to receive the driving lugs of the other member, a cruciform coupling member coacting with the driving lugs of both shaft members, and bearing members mounted on the bearing faces of said coupling member to coact with said driving lugs, said coupling member having bores disposed transversely of its bearing faces, said bearing members having lugs engaging said bores whereby the bearing members are retained in position when the driving lugs are in position.

1,567,146. SHAFT COUPLING. EUGENE HIGGINS, Jackson, Mich. Filed May 24, 1924. Serial No. 715,541. 6 Claims. (Cl. 64—91.)

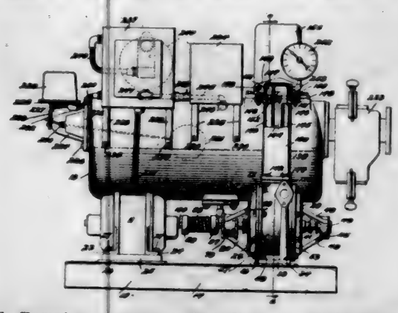


1. A shaft coupling comprising a pair of cup-shaped shaft members formed as stampings with driving lugs projecting from the edges thereof, said driving lugs having inturned flanges at their longitudinal edges, and a coupling member comprising a pair of sheet metal disks having radial openings with laterally disposed flanges at the edges thereof providing bearings for said driving lugs, said disks being disposed back to back and having tongues and slots, the tongues of one interlocking with the slots of the other.

1,567,147. POTATO-SEED CUTTER. ALBERT T. HUGAAS, Hetland, S. Dak. Filed May 26, 1925. Serial No. 33,025. 2 Claims. (Cl. 146—169.)

1. A vegetable cutter of the class described comprising a cylinder provided at its bottom with cutters, the vegetables adapted to be dropped into said cylinder, a hopper by means of which the vegetables are fed into the cylinder, a plunger reciprocable in said cylinder, and means pivotally mounting said plunger upon said hopper to dispose it in fixed relation with respect to the cylinder and cutters.

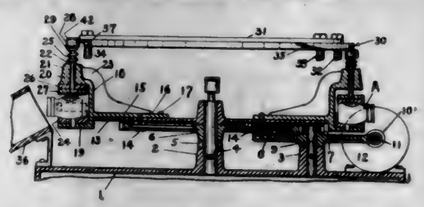
1,567,148. PUMPING APPARATUS. IRVING C. JENNINGS, South Norwalk, Conn. Filed Feb. 21, 1924. Serial No. 694,414. 55 Claims. (Cl. 103—6.)



1. Pumping apparatus including in combination, a base, a tank mounted on the base, water and air pumps on the base, and means providing communication between said pumps and tank, said means including a manifold having all the air passages between said pumps and tank.

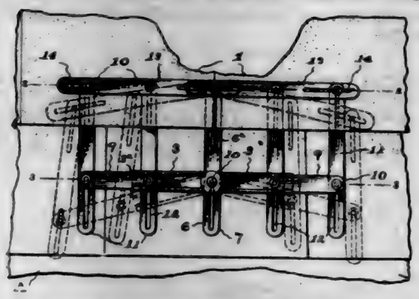


1,567,149. BOTTLE-LABEL PRESS. EDWARD E. KALLENBACH, New York, N. Y. Filed Jan. 11, 1924. Serial No. 685,591. 19 Claims. (Cl. 216—9.)



1. In a bottle label press, the combination with a plurality of radially extending supports for carrying bottles provided with labels, driving means for rotating supports in a horizontal plane about a common axis, pressure faces travelling with said supports and disposed above said supports, a cam stationary relative to said supports and disposed directly above the path of movement of said pressure faces in order to act in a straight line for causing the said pressure faces to be mechanically and positively lowered into engagement with the labeled surfaces of the bottles during a portion of their rotation, and springs for raising the pressure surfaces out of pressure exerting position and for normally maintaining said pressure faces in position to permit a bottle to be discharged, to receive a succeeding bottle and thereupon again to be actuated by said cam.

1,567,150. SHINGLE STRAP. JOHN A. KAYE, Sault Ste. Marie, Ontario, Canada. Filed Aug. 18, 1924. Serial No. 732,854. 14 Claims. (Cl. 108—38.)

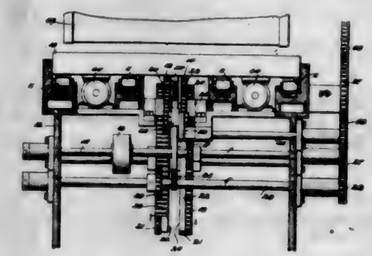


1. A shingle strap including a plurality of articulated retaining strips adapted to be adjusted relative to each other, and means for fastening the retaining strips in position on the top of the shingles in such an adjusted position as to prevent warping or curling thereof.

1,567,151. TRACK TORPEDO. HUGH WILLIAMSON KELLY, Woodbridge, N. J. Filed July 11, 1925. Serial No. 42,920. 4 Claims. (Cl. 246—487.)

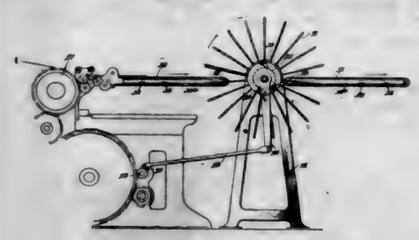
1. A track torpedo comprising in combination, a body of detonating material; and retaining and enclosing means for the said body of non-metallic elastic material surrounding the body on all sides to protect it from moisture and including a member having upper and lower walls intergrally joined together at their ends and having integrally formed depending rail engaging lugs adjacent the ends of the walls, the said member being initially of uniform shape and cross section from side to side so that it may be formed by extrusion.

1,567,152. PRINTING-PRESS-BED MOVEMENT. WILLIAM M. KELLY, Jersey City, N. J. Filed Apr. 23, 1921. Serial No. 463,932. 7 Claims. (Cl. 74—98.)



1. The combination with a reciprocating member and means for reciprocating the same including two racks on said member, a pair of oppositely rotating gears each having teeth on a portion only of its periphery, a pinion interposed between each gear and one of the racks and constantly in mesh with said rack, the toothed portion of the gears being arranged so that the member is driven alternately in opposite directions of a reversing mechanism including a second member which is reciprocated parallel to the first reciprocating member, and movable racks constituting means for directly connecting the two members while the second member is reversing.

1,567,153. SHEET-DELIVERY APPARATUS. WILLIAM M. KELLY, Westfield, N. J. Filed Sept. 7, 1922. Serial No. 586,700. 21 Claims. (Cl. 34—28.)

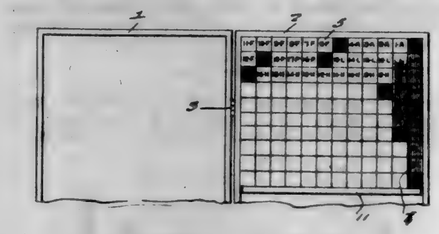


1. A sheet delivery apparatus comprising, in combination, means for conveying sheets, positively acting means for delivering sheets, relatively slow acting means for taking successive sheets from said conveying means and operating step by step in timed relation to said conveying means, such slow acting means depositing the sheets on said delivery means and including a heater to which the sheets are exposed during their slow travel from said conveying means to said delivery means.

1,567,154. GAME. THEODORE KNUTSON, Fertile, Minn. Filed Apr. 16, 1925. Serial No. 23,565. 3 Claims. (Cl. 273—135.)

3. A game of the class described comprising a box formed of a pair of mating sections hinged together at

one side for cooperation in opposed relation, and a plurality of cubic blocks provided with indicating indicia



on one face and other indicia on the opposite face and controlling means for determining the position of the blocks in one section of the box.

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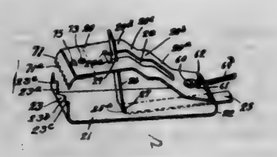
1,567,155. ELECTRIC CONNECTER. ISAAC W. LITCHFIELD, Newtonville, Mass. Filed May 7, 1921. Serial No. 467,659. 16 Claims. (Cl. 173—273.)



13. An electric connecter having a pair of integral spaced-apart resilient arms terminating in opposed clamping jaws, one of said arms formed with a cam face and a slot extended along the length of the arm through said cam face, said other arm having a perforation, an operating lever having a reduced portion pivotally received in said perforation and formed with a notched upper end portion which is received in said slot with the side walls of the slot received in the notches, whereby said lever is arranged to engage said cam face and move said jaws forcibly toward each other and binding means for a circuit lead.

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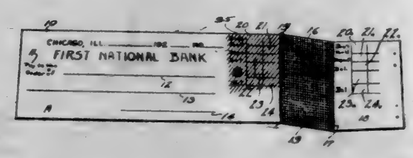
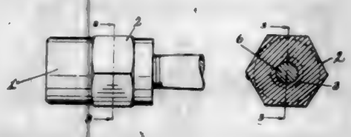
1,567,156. SAFETY BANK CHECK. WILLIAM F. LOHFF, Holstein, Iowa. Filed Dec. 20, 1924. Serial No. 757,139. 4 Claims. (Cl. 283—8.)




1. In a device of the class described, a check body having an appropriately designated column in which the amount of the sum ordered by the check, and the balance of deposit, must be written, in order to render the check negotiable, a balance indicating stub underlying that portion of the check body which contains said column, and means for transmitting to the stub an impression of the characters written in said column, said stub being sealed at its edges to the under surface of the check body, a second balance-indicating stub underlying said first mentioned stub, and means for transmitting a second duplicate impression of said characters to said second stub.

1,567,157. WHEEL PULLER AND THE LIKE. JOHN L. MCCLELLAND, Kalamazoo, Mich., assignor to American Sharpening Machine Company, Kalamazoo, Mich. Filed Sept. 4, 1924. Serial No. 735,797. 4 Claims. (Cl. 29—85.)



3. A device of the class described comprising a body member having a threaded bore with a recess at the inner end, and an impact block of harder material than the body member seated in said recess and projecting centrally into the bore in overlapping relation to the threads thereof.

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1,567,158. INDIGOID DYESTUFF OF THE ANTHRAQUINONE SERIES AND INTERMEDIATE PRODUCTS AND PROCESS OF MAKING SAME. BERTRAM MAYER and WILHELM MOSER, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Nov. 18, 1924. Serial No. 750,659. 8 Claims. (Cl. 260—51.)

4. The method of producing new indigoid dyestuffs, consisting in condensing glycine with 2-halogen-anthraquinone-3-carboxylic acid, treating the anthraquinone-3-carboxylic acid thus obtainable with condensing agents, converting the indoxyl compounds of the 2:3-anthraquinone series thus obtainable into indigoid dyestuffs by treatment with the usual well known agents that convert the indoxyl compounds into indigoid dyestuffs and treating the new indigoid dyestuffs with halogenating agents.

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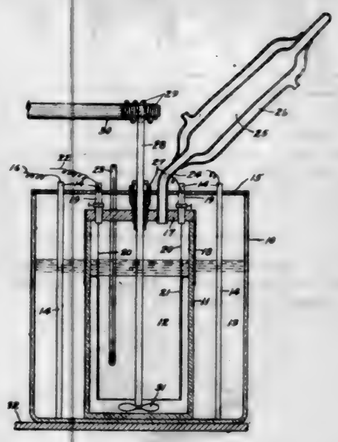
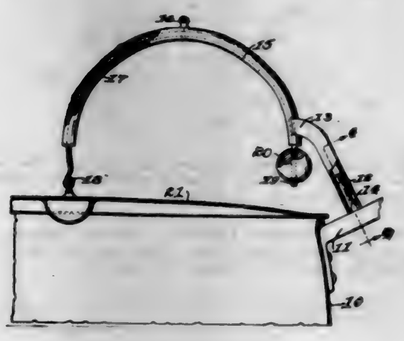
1,567,159. METHOD FOR PRODUCING LEAD COMPOUNDS. BRIAN MEAD, Boston, Mass., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 14, 1923. Serial No. 645,465. 14 Claims. (Cl. 204—9.)



1. The process of producing a lead alkyl which comprises forming an emulsion of an alkyl halide in water, placing lead in contact with the emulsion, and reducing the reaction mass thus formed.



1,567,160. COOKING-UTENSIL-COVER SUPPORT. HENRY J. MEYER, New Orleans, La. Filed Aug. 27, 1924. Serial No. 734,518. 11 Claims. (Cl. 53—8.)



1. In combination with a cooking utensil, a cover therefor, means carried by the utensil for supporting the cover, said supporting means being so constructed and arranged as to permit the cover to be raised by pressure within the utensil and to automatically retain the cover in any one of a plurality of lifted positions.

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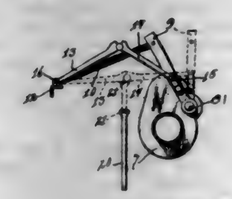
1,567,161. ICE-CAN FILLER. VAN P. MILLER, Chicago Heights, Ill. Filed July 26, 1924. Serial No. 728,407. 2 Claims. (Cl. 226—127.)



1. An ice can filler of the type described comprising a portable frame fashioned so as to be partially received within an upright ice can, means for conducting water to said frame whereby the water is delivered to said ice can, a normally closed valve associated with said water conducting means, a break-joint consisting of a pair of pivotally connected links for maintaining said valve open when the cooperating links of the break-joint are in longitudinal alignment, a float carried by said frame, and a rod extending upwardly from said float and having its upper portion adapted to engage with said break-joint in the proximity of the pivotal connection between the cooperating links thereof, whereby the rod as the float is elevated may open the break-joint to close said valve.

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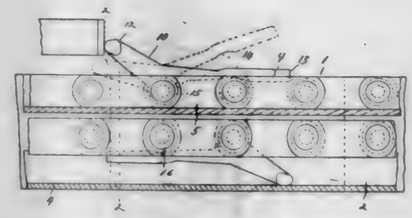
1,567,162. CONVEYER CHAIN. HORACE H. MORGAN, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 27, 1922. Serial No. 603,684. 2 Claims. (Cl. 198—170.)

1. The combination with a conveyer chain having a series of pivotally connected links, of a dog having a head, a tail, and an intermediate pivot portion, said pivot portion being connected to the chain by one of the pivots



connecting the links and said tail extending over an adjacent pivot connecting the links.

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1,567,163. PROCESS FOR PREVENTING DISCOLORATION OF CANNED FOODS. THURLOW W. MORGAN and WILLIAM W. MURRAY, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1925. Serial No. 30,873. 1 Claim. (Cl. 99—1.)

The process of preventing the discoloration of canned foods comprising providing the inner surface or a portion thereof, of the metal forming the container for the food, with a lacquer coating having an insoluble metallic compound of such metal or metals forming sulphides which are not dark colored thoroughly incorporated with the ingredients and homogeneously distributed through the lacquer prior to the application of the lacquer to the surface of the metal, so that said compound is permanently embodied in the lacquer and held in place on the inside of the container during processing and subsequent thereto.

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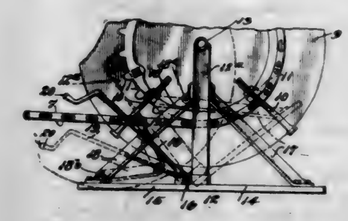
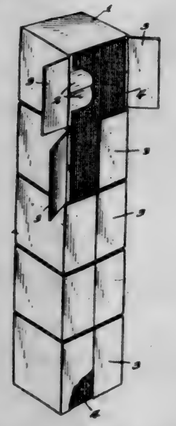
1,567,164. WELL-DRILLING-CABLE SPOOLER. JESSE A. MORRISON, Salt Creek, Wyo.; Harriett Morrison administratrix of said Jesse A. Morrison, deceased. Filed June 16, 1923. Serial No. 645,788. 1 Claim. (Cl. 242—54.)



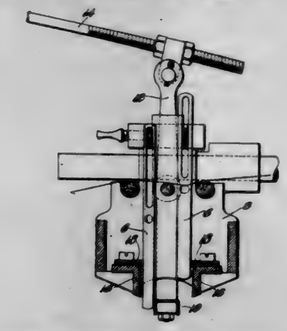
In machinery for use in well drilling operations, a support, a spool rotatively mounted thereon, a driven sprocket for the spool, hook members detachably connecting the driving sprocket with the spool at one end of the latter, the support for the spool comprising a journal post, a base for said post made in sections, one section rigid with the post and the other pivotally attached to the post, and a jacking contrivance for moving the post and its section relatively to the other section of the base, including a base connecting the pivoted section of the base with the post, and including toggle links, with a screw actuating means for said links.

1,567,165. PACKAGE AND METHOD OF PACKING. EDWARD T. NOLAND, St. Louis, Mo., assignor to Liggett & Myers Tobacco Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 21, 1925. Serial No. 17,182. 8 Claims. (Cl. 229—6.)



7. A unitary package containing a selected number of similar cartons having folded end flaps, and arranged side by side in abutting relation, and connected by strips of semi-rigid material of a length to extend across the ends of all of the cartons, and sealed beneath the flaps.

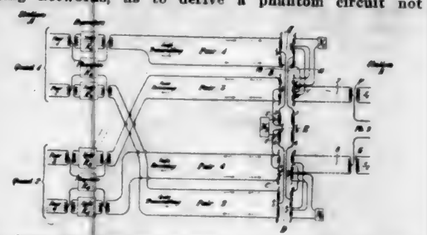
1,567,166. WARP STOP MOTION FOR LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Nov. 16, 1923. Serial No. 675,122. 2 Claims. (Cl. 139—351.)



1. A warp stop motion for looms having, in combination, drop wires having slots at their upper ends, a drop wire bar in the slots, a feeler adapted to engage with the lower end of a fallen drop wire, and stationary means cooperating with the feeler above the latter to turn the drop wire to spread the warp on either side thereof to indicate the place of warp breakage.

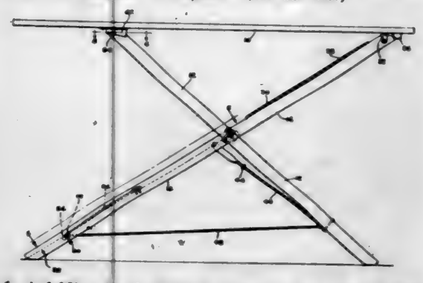
1,567,167. FOUR-WIRE REPEATER CIRCUITS. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 8, 1921. Serial No. 483,331. 7 Claims. (Cl. 179—170.)

1. In a signaling system, the combination with one four-wire signaling circuit of a second four-wire signaling circuit, a two-wire circuit individual to each four-wire circuit, a network adapted to balance each of the said two-wire circuits, and a plurality of repeating coils having their windings so connected with the said four-wire circuits and with the said two-wire circuits and the balancing networks, as to derive a phantom circuit not



only from the four-wire circuits but also from the two-wire circuits, the said phantom circuit being thereby rendered electrically continuous.

1,567,168. FOLDING IRONING TABLE. KEMUEL B. OLANDER, Minneapolis, Minn. Filed June 30, 1924. Serial No. 723,235. 4 Claims. (Cl. 68—10.)



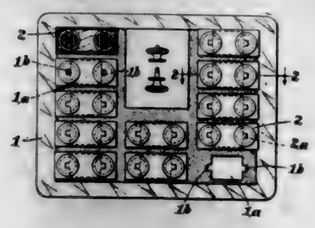
1. A folding ironing table comprising an ironing board, an inclined support pivotally attached to one end of said board, a pair of inclined legs pivotally attached to said support, means for removably attaching the upper ends of said legs to the other end of said board, and a pair of cross links connecting the lower portion of said legs with intermediate portions of said support respectively below the pivotal connection of the legs therewith whereby the lower ends of said legs will be spread during the unfolding operation and will be brought toward each other during the folding operation.

1,567,169. REAR-VIEW MIRROR. RALPH R. PATTERSON, Alameda, Calif. Filed Dec. 29, 1924. Serial No. 758,612. 4 Claims. (Cl. 88—1.)

1. The combination with a vehicle-body and a window thereof, of a rear view mirror comprising a strip of reflective material mounted within said window and constituting a stop therefor.

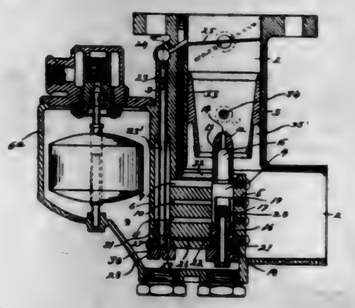


1,567,170. DISPLAY DEVICE. JOHN V. PILCHER, Louisville, Ky. Filed Mar. 16, 1925. Serial No. 16,001. 4 Claims. (Cl. 211—24.)



1. Display means of the character described a foundation sheet having an opening therein, and an article carrying card carrying spaced articles which have parts projecting in rear of the card, which parts detachably engage the edges of said opening.

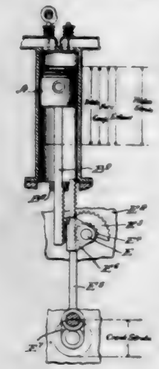
1,567,171. CARBURETOR. ANTOINE P. PLAUT, Detroit, Mich., assignor of one-half to Roberts Brass Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 22, 1921. Serial No. 494,361. 3 Claims. (Cl. 261—41.)



3. In a carburetor the combination with an induction passage and a throttle therein, of a main fuel nozzle in said induction passage having an emulsifying chamber communicating therewith, an auxiliary well open to the atmosphere, a series of vertically spaced air ducts between said emulsifying chamber and said auxiliary well, a fuel inlet tube extending into said emulsifying chamber, a tubular member surrounding said inlet tube and extending slightly above the same to form an idling chamber, an idling by-pass tube communicating with said induction passage above the throttle, and a passageway located below the lowermost of said air ducts for connecting the lower end of said idling chamber to said idling by-pass tube.

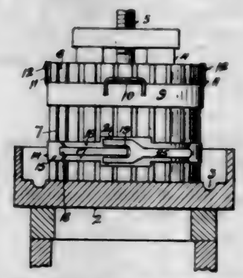
1,567,172. INTERNAL-COMBUSTION ENGINE. ALVAH L. POWELL, Miles City, Mont., assignor to The A. L. Powell Power Co. Inc., Miles City, Mont., a Corporation. Filed Sept. 12, 1921. Serial No. 500,170. 3 Claims. (Cl. 74—14.)

1. In an internal combustion engine, a cylinder, a piston slidable therein, a piston rod operatively connected to said piston, a rack forming an integral part of said piston rod, a pin, a segmental gear and a pinion carried by said pin, said gear having a greater radius than said



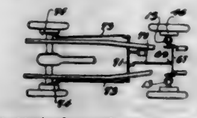
pinion, a crank rod, a crank operated thereby, means to cause said gear to mesh with said piston rod and means operatively connecting said pinion and crank rod.

1,567,173. TUB FOR CIDER PRESSES. DANIEL E. REED, Brooklyn, N. Y. Filed May 27, 1924. Serial No. 716,102. 5 Claims. (Cl. 217—73.)



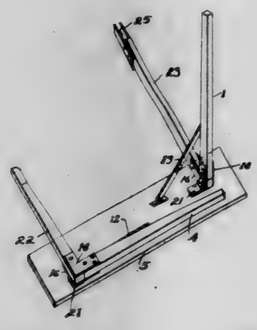
1. A tub for cider presses, comprising bars, strap members each connected with the bars of one section of the tub, pivotal connections between said strap members whereby separate sections of the tube may pivot from a line adjacent one end of the tub, the pivotal line extending transversely of the tub, a strap member attached to the bars adjacent the opposite end of one of the tub sections, a strap attached to the bars adjacent the end of the other tub section and having ends overlapping said last mentioned strap, and a clamp for drawing on said ends of the last mentioned strap to hold the tub sections in closed position.

1,567,174. AUTOMATIC BRAKE CONTROL. WALTER J. SPIRO, White Plains, N. Y. Filed Apr. 23, 1924. Serial No. 708,449. 20 Claims. (Cl. 188—181.)



9. In a brake control, a wheel member, brake members having peripheral seats and mounted thereon but disconnected therefrom when the wheel is at rest, and a centrifugally operable lever carrying a contact face to engage said seats when the wheel is under rotation.

1,567,175. FOLDING TABLE. HAROLD R. BASFORD, San Francisco, Calif. Filed Feb. 13, 1922. Serial No. 536,338. 8 Claims. (Cl. 45—116.)



1. In a folding table a top member, a leg, an L shaped hinge secured to said leg and to the under-side of said top member, a top supporting side rail pivotally connected to the leg member to turn to a position parallel to the length of the leg when the latter is folded, and having an extension on both sides of the L shaped hinge member whereby the leg cannot be moved away from the top member when the side member is folded against the leg, and a locking brace for preventing the leg from collapsing when it is unfolded.

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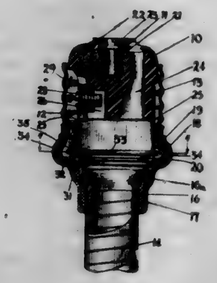
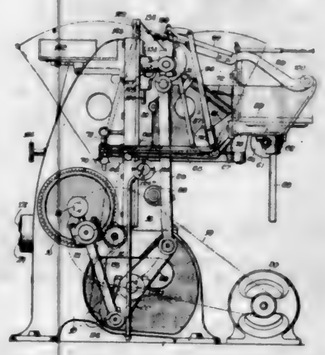
1,567,176. ATTACHMENT PLUG. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 6, 1920. Serial No. 356,673. 4 Claims. (Cl. 173—359.)



1. A swivel attachment plug comprising an insulating base, wiring terminals supported thereby, a threaded shell contact surrounding said insulating base, a cylindrical sleeve also surrounding said insulating base and located inside said threaded shell contact and secured to said insulating base and having a cylindrical portion extending beyond said insulating base and a spring supported by said extension and engaging said threaded shell contact to hold the parts together.

1,567,177. PRINTING PRESS. EDWARD CHESHIRE, Milwaukee, Wis., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1918. Serial No. 224,426. 96 Claims. (Cl. 101—272.)



1. In a printing press, the combination of stock supply means, a cylinder mounted for vertical rectilinear movement, a transfer table movable upwardly and downwardly with said cylinder, and means for transferring stock from said stock supply means to said transfer table.

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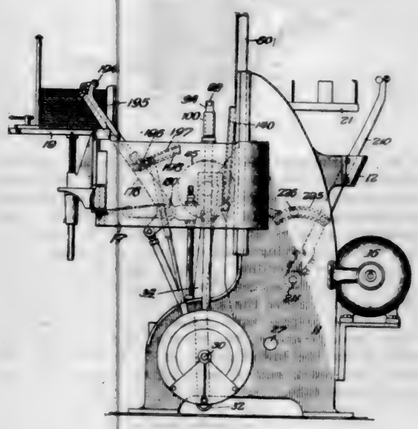
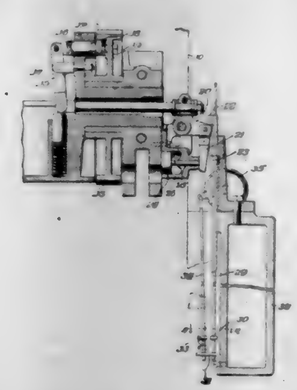
1,567,178. PRINTING PRESS. EDWARD CHESHIRE, Milwaukee, Wis., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 11, 1919. Serial No. 329,976. 57 Claims. (Cl. 101—172.)



1. In a printing press, a movable type bed, a cooperating cylinder mounted for rotation and also for reciprocating motion, and means pneumatically controlled by a fed sheet of material whereby said cylinder rotates during a movement in one direction and does not rotate during a movement in another direction.



1,567,179. PRINTING-PRESS COUNTING AND SIGNALING MECHANISM. EDWARD CHESHIRE, Milwaukee, Wis., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 16, 1920. Serial No. 358,971. 12 Claims. (Cl. 101—285.)



1. In a printing press, the combination of counting means, signal means, and automatically operated means for selectively operating said counting and signal means.

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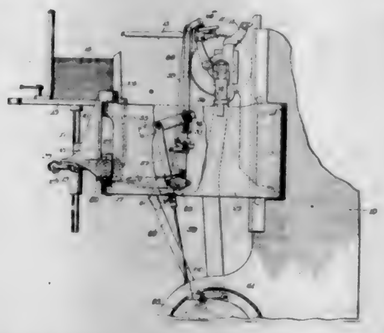
1,567,180. PRINTING-PRESS STOCK-TABLE-CONTROL MECHANISM. EDWARD CHESHIRE, Milwaukee, Wis., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 12, 1920. Serial No. 365,132. 15 Claims. (Cl. 271—62.)



5. In a printing press, the combination of a movably mounted stock table, a transfer arm whereby stock is carried from said table, and means pivotally mounted on said arm having a variable throw for controlling the position of said stock table.

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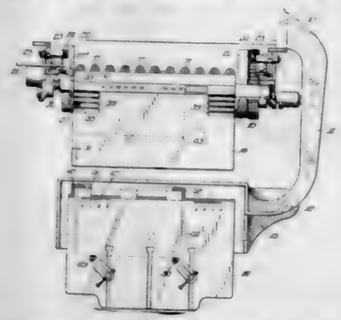
1,567,181. PRINTING PRESS. EDWARD CHESHIRE, Milwaukee, Wis., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 21, 1920. Serial No. 390,327. 26 Claims. (Cl. 271—53.)

1. In side register mechanism for printing presses having a main frame, a cylinder frame and a transfer table, and side register means carried by said cylinder frame and in a relative movement cooperating with said



transfer table for registering a sheet of material on said transfer table.

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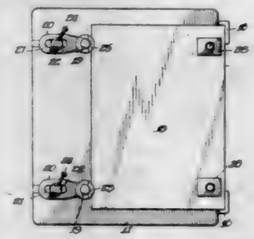
1,567,182. SHEET-FEEDING MECHANISM. EDWARD CHESHIRE, Milwaukee, Wis., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 28, 1920. Serial No. 392,452. 13 Claims. (Cl. 271—61.)



1. In mechanism for feeding sheet material from a pile, the combination of means for limiting movement of sheet material in one direction, and gravity-actuated means for advancing said sheet material toward said limiting means normally causing the sheet to buckle for separating the latter from the next sheet.

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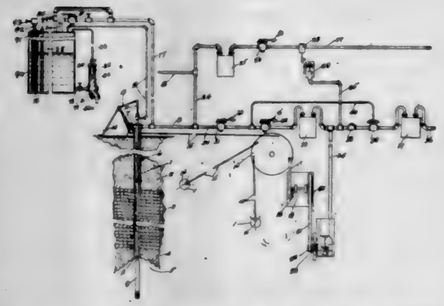
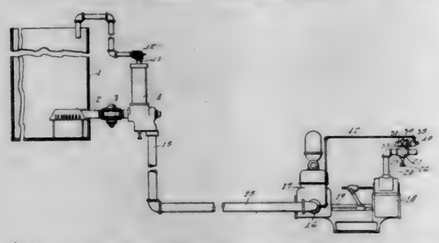
1,567,183. OIL-WELL APPARATUS AND METHOD OF OPERATING THE SAME. RUDOLPH CONRADER, Erie, Pa. Filed Aug. 29, 1921. Serial No. 496,194. 20 Claims. (Cl. 166—21.)



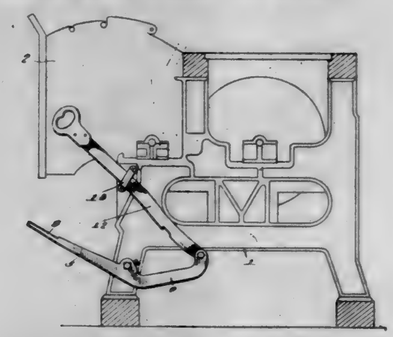
1. The method of operating oil wells which consists in maintaining a predetermined pressure on the well; drawing off sufficient gas for local operation; and delivering the excess to a separate low pressure line.

1,567,164. PUMP-CONTROLLING APPARATUS. RUDOLPH CONRADER, Erie, Pa. Filed May 11, 1922. Serial No. 560,240. 7 Claims. (Cl. 103—13.)



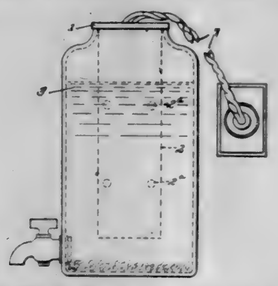
1. In a pump controlling apparatus, the combination of a pump; a liquid level controlled mechanism controlling the inlet to the pump; a pump motor; and means responding to inlet pressure controlling the motor.

1,567,185. LIFT FOR GIN BREASTS. FREDERICK B. CUMPSTON, Blooming Grove, Tex. Filed Feb. 9, 1925. Serial No. 8,084. 3 Claims. (Cl. 19—55.)



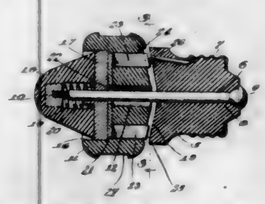
1. In a lift for gin breasts, a rock shaft, motion transmission means between the shaft and the gin breast, a foot lever fixed on said shaft having a forwardly extending arm designed to be engaged by the foot of the operator and also having a rearwardly extending arm, and a combined hand and lock lever connected to said rearwardly extending arm.

1,567,186. WATER PURIFIER. FRANK KRAEMER, Los Angeles, Calif., assignor to Sun-Ray Works, Inc., a Corporation of California. Filed Dec. 3, 1923. Serial No. 678,144. 6 Claims. (Cl. 204—25.)



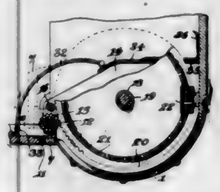
1. In a device of the character referred to, two electrodes, a head for supporting the same, thermostatic supports for said electrodes interposed between said head and said electrodes and adapted to move the same toward and from each other as said thermostatic supports contract and expand, and means for connecting a source of electric energy to said supports and electrodes.

1,567,187. MULTIPLE FUSE PLUG. CHARLES LAY, San Antonio, Tex. Filed Oct. 21, 1924. Serial No. 744,985. 4 Claims. (Cl. 200—125.)



1. A fuse plug comprising a body of insulating material having its upper face concaved, rachet teeth formed around the marginal edge of the concaved face, an outer contact shell threaded to fit a socket, a contact point mounted on one of said teeth having connection with said shell, a contact pin extending axially through said body, a fuse magazine rotatably mounted on the upper end of said pin having its base tapered to fit the concaved face of said body, rachet teeth formed around the marginal edge of said base, adapted to cooperate with the corresponding teeth of said body, a recess in the upper face of said magazine, a fuse plate mounted on said pin and seated in said recess having a plurality of fuse members extending through said magazine the free extremities of which are bent at right angles over the ratchet teeth of said magazine, a pressure disk bearing against said fuse plate, a knob threadedly mounted on the end of said contact pin, and a compression spring seated in a recess formed in said knob bearing against said pressure plate, whereby the fuse magazine and body are held firmly together.

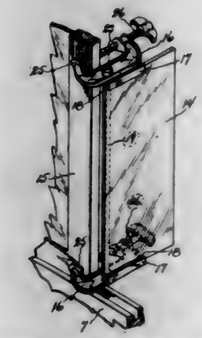
1,567,188. DIRECTION INDICATOR FOR MOTOR VEHICLES. GOLDBURN C. RAY and LOUIS W. TERRILL, Cripple Creek, Colo. Filed Nov. 17, 1924. Serial No. 750,407. 1 Claim. (Cl. 116—54.)



A direction indicator comprising a support, a signalling means shiftable to and from signalling position with respect to one side of said support, a combined suspension and operating means for said signalling means extending transversely of said support, said combined suspension and operating means further forming a hinge between said signalling means and said support, a vertically disposed gear element arranged on an axis extending transversely of said support and operatively engaging with said operating means for actuating it to shift the signalling means to and from signalling position, said gear element provided concentrically on one side with a circular rack of less diameter than the gear element, and means revolvably mounted in and projecting outwardly from the other side of said support and disposed at right angles with respect to the axis of said gear element and engaging with the rack for revolving the gear element to actuate said operating means.

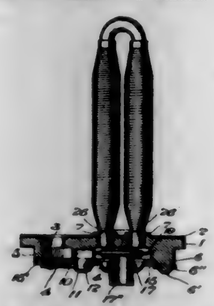


1,567,189. SAFETY-FIRST VISION-PROTECTING SHIELD FOR ENGINEERS, ATTACHABLE TO THE SIDE WINDOW OF A LOCOMOTIVE. OSCAR H. REBENSCHIED, Kansas City, Kans., and CHARLES G. MEE, Los Angeles, Calif. Filed Mar. 2, 1925. Serial No. 12,545. 4 Claims. (Cl. 98—21.)



1. In combination with a longitudinally sildable side window of a locomotive cab, a vision protecting shield extending at substantially right angles therefrom and means for removably maintaining said shield in the operative position.

1,567,190. MAGNETIC VALVE FOR ORGANS AND THE LIKE. WILLIAM H. REISNER, Hagerstown, Md., assignor to The W. H. Reisner Mfg. Co., Inc., Hagerstown, Md., a Corporation of Maryland. Filed Apr. 17, 1925. Serial No. 23,890. 4 Claims. (Cl. 84—338.)



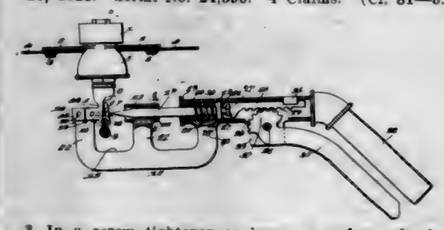
1. A valve for organs and the like, comprising a base having a recess therein and a port therethrough communicating with said recess, a transverse abutment on said plate adjacent one edge of said recess, a stud on said abutment, a washer secured to said stud and projecting over the edge of said abutment, an electromagnet supported by said base with its poles adjacent said recess, a plate overlying and covering said recess having an edge cooperating with said abutment and underlying said washer, said plate also having a ported valve seat and an opening therein, a valve in said recess cooperating with said valve seat and actuated by said magnet, a stud on said base engaging the opening in said plate, and means cooperating with said stud for locking the plate to the base.

1,567,191. LINT DEFLECTOR. WILLIAM HENRY REYNOLDS, Hastings, Okla. Filed Jan. 18, 1924. Serial No. 687,154. 1 Claim. (Cl. 19—72.)

A deflector of the class described comprising a supporting plate, a guard member formed integral with the supporting plate and arranged at an oblique angle with respect thereto, said guard being arranged adjacent to one end of the supporting plate, a hinge section mounted between the plate and obliquely disposed guard, a deflector carrying a hinge section at one end and adapted to cooperate with the first mentioned hinge section to pivotally support the deflector, a bracket member formed

on the rear surface of the deflector and having an elongated opening, and a rod having a bolt operating within the elongated opening to adjustably connect the rod and deflector.

1,567,192. SCREW TIGHTENER AND LOOSENER. REED D. RICHARDSON, Spokane, Wash., assignor of one-fourth to C. E. Clark, Spokane, Wash. Filed Apr. 20, 1925. Serial No. 24,590. 4 Claims. (Cl. 81—8.)



3. In a screw tightener or loosener, a frame having an abutment for the screw end, a screw driver for engagement with the screw head and having a polygonal cross section, a thrust bar in end to end relation to said screw driver, said frame having bearings for said screw driver and thrust bar and exposing a portion of the polygonal screw driver for application thereto of a turning instrument to loosen or tighten a screw, and means for actuating said thrust bar to force said screw driver into sustained relation with the groove of a screw.

1,567,193. LAMP FOR MOTOR VEHICLES. OLIVER C. RITS-WOLLER, Chicago, Ill. Filed Mar. 14, 1925. Serial No. 15,622. 11 Claims. (Cl. 40—131.)

1. As an article of manufacture, a license plate support, having an extension with a cutout portion, a lamp casing, a paraboloid reflector in the casing, a fix-

ture for holding a source of light in the focus of the reflector, and a lens inserted into the cutout portion of the extension having on one of its faces a plurality of prismatic projections angularly disposed with relation to one another.

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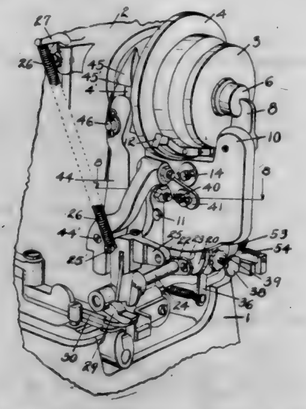
1,567,194. CONTROL MEANS FOR POWER SEWING MACHINES. MORRIS G. ROSENTHAL, Cincinnati, Ohio, assignor to Rose Patch & Label Company, Grand Rapids, Mich. Filed Sept. 15, 1920. Serial No. 410,446. 10 Claims. (Cl. 192—149.)



4. In a control means for power sewing machines the combination in a drive means, of a tight pulley, clutch means therefor, a brake for the said pulley, a lever for applying the same, a control rock shaft, a cam on the control rock shaft, and adjustable springs on the said lever for coaction with said cam for applying the brake to said pulley, as specified.

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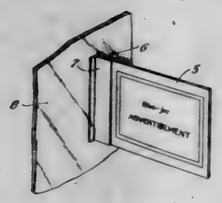
1,567,195. DISPLAY CARD. FRANK L. ROUSSEAU, Pittsburgh, Pa., assignor to Bauer & Black, Chicago, Ill., a Corporation of Illinois. Filed Nov. 12, 1921. Serial No. 514,446. 3 Claims. (Cl. 40—138.)



1. A display card provided at one of its edges with a flexible adhesive strip extending along the length of the edge of the card and projecting beyond the same and constituting a hinge connection to be adhered to a support, and a removable protective strip adhered to and covering the adhesive surface of the adhesive strip.

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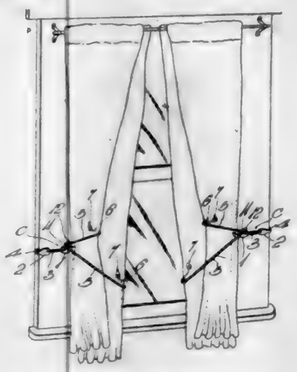
1,567,196. CURTAIN AND DRAPERY HOLDER. EDOUARD ROY, Lewiston, Me. Filed June 11, 1925. Serial No. 36,459. 2 Claims. (Cl. 156—33.)

1. A device of the class described comprising a pair of sheet metal plates connected by a tension spring and having hooks at their outer ends for engagement with the side of a door or window frame, a plurality of wire arms adjacent one of said plates, and a clamping bolt passing through one end of the arms and adjustably pivoting them to said one plate, said bolt being provided with a clamping nut, the free ends of said arms having hooks being relatively vertically spaced and adjustable for engagement with curtains and draperies.



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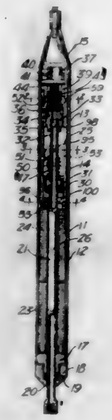
1,567,197. WELL DRILL. BENJAMIN F. SCHMIDT, Los Angeles, Calif., assignor of one-fourth to King C. Gillette and one-fourth to King G. Gillette, both of Los Angeles, Calif. Filed July 11, 1922. Serial No. 574,305. 16 Claims. (Cl. 255—4.)



1. In a device of the class described, the combination of: a tubular shell adapted to be suspended within a well; a reciprocable core member extending within said shell and comprising a solid central portion having integrally formed tubular ends extending therefrom; solenoids adapted to reciprocate said reciprocable member by attracting said central portion thereof; a stuffing box at each end of the arrangement of said solenoids, through which said reciprocable member may operate; a head upon the upper end of said reciprocable member; a spring adapted to engage said head at the downward stroke thereof; a resiliently supported member adapted to recede when engaged by said head near the end of its upward stroke; means for partly rotating said resiliently supported member, and thereby said reciprocable member, during the mentioned engagement therebetween; a rod



extending parallel to said reciprocable member and having means thereupon adapted to be engaged when said head is near an extreme position; a switch adapted to be closed by said rod when so engaged; an electric sensible device; and means providing an electric circuit between said switch and said device.

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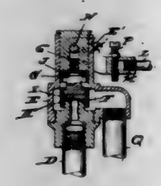
1,567,198. WATER-INLET VALVE FOR TANKS. WILLIAM SHERWOOD, Detroit, Mich., assignor to Sherwood Brass Works, Detroit, Mich., a Corporation of Michigan. Filed Oct. 15, 1923. Serial No. 668,515. 1 Claim. (Cl. 137—104.)



In a device of the character described, a water inlet pipe for a flushing tank, a valve casing located on the upper end of said pipe and having a valve chamber adapted to communicate with the tank and having laterally projecting trunnions a valve seat in said chamber, a plunger valve adapted to seat against the flow of water into the tank, a float rod, a float carried by the rod, a bifurcated fitting secured to the float rod and having its leg portions embracing the valve casing and provided with slots to receive said trunnions, and a transverse pin connecting the bifurcated fitting with said plunger and disposed normally in substantially a horizontal plane with said trunnions and relatively close thereto, said slots in the leg portions being inclined upwardly at an angle to a horizontal plane through the axis of said pin when the valve plunger is seated whereby the bifurcated fitting is prevented from rocking laterally upon said trunnions and whereby the float is maintained against lateral movement to prevent the float from rubbing against the inner faces of the front and back walls of the tank and thereby insuring a positive vertical movement of the plunger within the casing to prevent binding of the valve in its movement within the casing.

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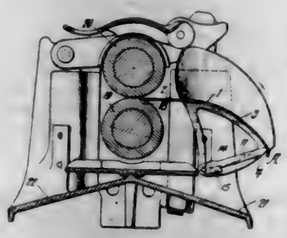
1,567,199. SAFETY DEVICE FOR WRINGERS. HOWARD F. SNYDER, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a Corporation of Iowa. Filed July 14, 1921. Serial No. 484,681. 8 Claims. (Cl. 68—32.)



6. The combination with wringer rolls, of a fabric receiving and supporting member mounted contiguous to said rolls so as to be movable toward and from the rolls, said member having a free and unobstructed surface on which the fabric is adapted to be positioned when said member is removed from the rolls and over which said fabric may be freely drawn during fabric feeding, said member having a projecting lip over which the fabric may be draped so that it will be movable with said member toward said rolls, and means for arresting movement of said member toward said rolls when said lip is positioned opposite the bite of the rolls, said member constituting the sole means for bringing the fabric up to the rolls and being movable towards said rolls by manual means alone.

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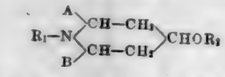
1,567,200. MANUFACTURE OF DERIVATIVES OF 4-HYDROXYPIPERIDINES AND PROCESS OF MAKING SAME. HERMANN STAUDINGER, Zurich, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Mar. 28, 1925. Serial No. 19,154. 12 Claims. (Cl. 260—43.)

8. As new products the herein described derivatives of 4-hydroxypiperdines of the general formula:



wherein A and B=alkyl, $R_1$=H, alkyl, aryl or aralkyl, $R_2$=H or acidyl, in which formula $R_1$ and $R_2$ cannot at the same time mean H, and in which the sum of carbon atoms in $R_1$ and $R_2$ is greater than 1.

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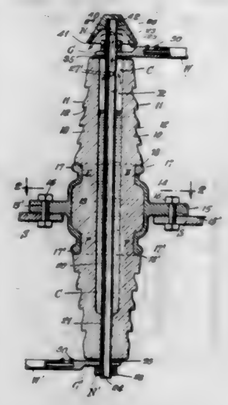
1,567,201. INSULATED CONNECTER. LOUIS STEINBERGER, Brooklyn, N. Y. Filed Apr. 11, 1919. Serial No. 289,231. 2 Claims. (Cl. 173—318.)



1. In a device of the class described, an insulator body, a hollow electric conductor secured within the central portion of said insulator body, a body of oil surrounding said conductor through the greater part of its length, said oil being contained in a cavity formed in said insulator body, said conductor having an opening leading from said cavity into the interior of said conductor above the oil and another opening leading from said conductor to the atmosphere.

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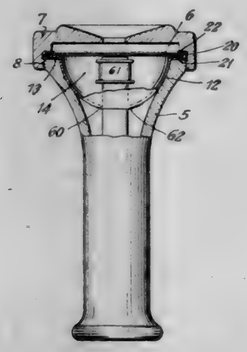
1,567,202. DIAPHRAGM FOR SOUND RECEIVERS AND MEANS FOR MOUNTING THE SAME. LOUIS STEINBERGER, Brooklyn, N. Y. Filed Jan. 24, 1921. Serial No. 439,410. 1 Claim. (Cl. 179—115.)

A sound receiver having an inner cup like shell with an outer annular flange formed thereon, a diaphragm closing one end of said shell seated on said flange, and an annular coupling ring having in-turned flanges, the

said coupling ring fitting over the edges of the diaphragm and of the annular flange of the shell, the flanges of the coupling ring directly and closely engaging respectively



the diaphragm and the flange of the shell to form an air tight joint between the diaphragm and the shell thus forming a unitary structure.

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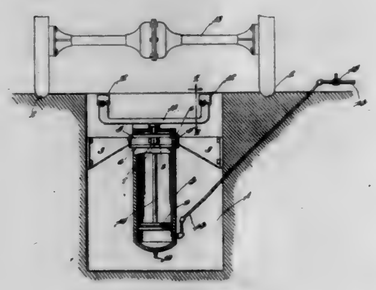
1,567,203. JACK. CARL STEINKAMPER, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 691. 2 Claims. (Cl. 138—9.)



1. A device of the character described, including cylinders, spaced ribs carried thereby, a support bracket adjacent the cylinder having an arcuate arm fitted between said ribs, an arcuate clamping member fitted between the ribs and having its ends connected to the ends of the arcuate arm for supporting said cylinder, a crossbar at one end of the cylinder, arcuate bearing members carried thereby and means connected to the cross-arm for moving the same relative to the cylinder, and manually controlled means for actuating said first means.

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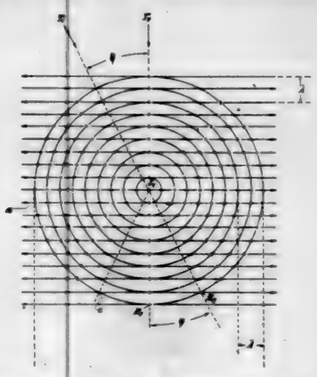
1,567,204. RADIO TRANSMITTING SYSTEM. JOHN STONE STONE, San Diego, Calif., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 29, 1925. Serial No. 5,580. 7 Claims. (Cl. 250—11.)

1. In a radio transmission system, two transmitters and two receivers on the same frequency, and a secondary relay station, each receiver being at a point where the waves build up from a respective transmitter and the



said relay station and where they are null from the other transmitter and said relay station.

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1,567,205. ROOFING STRUCTURE. JOHN FRANKLIN STUCKERT, Philadelphia, Pa. Filed Dec. 10, 1924. Serial No. 754,899. 4 Claims. (Cl. 108—1.)

1. In a roof construction, including complemental rafters, the combination of channel beams supported upon said rafters, roofing boards arranged above said channel beams, relatively thin sheets of roofing material superimposed upon the roofing boards, rigid strips of material arranged upon the roofing material along meeting edges thereof and vertical means, arranged between the channel beams and said roofing material for predetermined adjustment of securing of said roofing material at the time the same is fitted in place.

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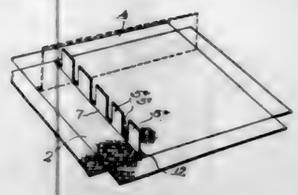
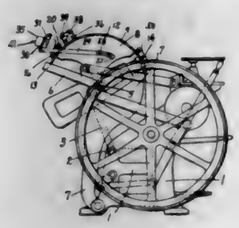
1,567,206. CUSHION-COVER CONSTRUCTION. SAMUEL SUSKOFF, Chicago, Ill. Filed July 18, 1925. Serial No. 44,416. 3 Claims. (Cl. 5—353.)



1. A cushion cover construction comprising top and bottom cover pieces, a plurality of parallelly disposed combs each consisting of a single piece of material sewn to said cover pieces along one edge and provided with spaced cuts extending from the free outer edge substantially down to said sewn edge, a plurality of partition strips arranged transversely of said combs and sewn to said cover pieces along lines passing through aligned cut portions of said combs, and said combs being slightly more than one-half the height of the completed cushion and sewn together along their abutting edges.



1,567,207. INKING ATTACHMENT FOR BED AND PLATEN JOB-PRINTING PRESSES. JOHN J. SULLIVAN, Cincinnati, Ohio. Filed Dec. 18, 1924. Serial No. 756,753. 3 Claims. (Cl. 101—339.)



1. A bed and platen job printing press comprising a press frame, a rocking bed pivotally mounted on the frame, a shaft extending transversely of the rocking bed, a materially curved distributing plate mounted for oscillation on the shaft, means for applying ink to one end of the distributing plate, distributing rollers carried by the rocking bed for movement therewith, the distributing plate adapted upon movement about its pivotal mounting to move relative to said distributing rollers for distributing ink longitudinally of the distributing plate, other rollers for receiving ink from the distributing plate and delivering the ink to the type form, and means for moving the rocking bed and the distributing plate about their respective mountings.

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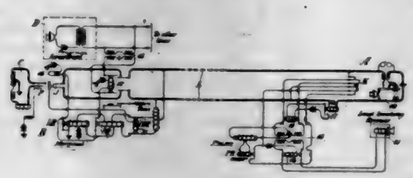
1,567,208. PROGRAM TRANSMISSION OVER WIRES. JOHN F. TOOMEY and HENRY E. PHELPS, New York, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 11, 1922. Serial No. 600,355. 11 Claims. (Cl. 179—73.)



3. In a telephone system, a telephone line terminating at a subscriber's station at one end and in a central office at the other end, a telephone set at said subscriber's station, switching means at said central office for interconnecting said line with other lines for ordinary telephonic intercommunication, a program transmitting station normally disconnected from said line, special receiving equipment at the subscriber's station for receiving program transmission, and means to associate said equipment with the line and to connect said program station to the line at the will of the subscriber.

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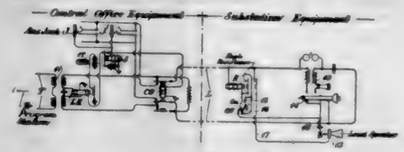
1,567,209. SUBSCRIBER'S EQUIPMENT FOR PROGRAM TRANSMISSION. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 1, 1923. Serial No. 677,992. 5 Claims. (Cl. 179—2.)

1. In a program system, a telephone line having switching terminals, means to connect said telephone line to a program station, program receiving equipment associated with said telephone line, means controlled by a subscriber for connecting said receiving equipment to the line and means responsive to the establishment of a telephone connection to the switching terminals of



the line for automatically disconnecting said receiving equipment and thereafter connecting the line to the switching terminals.

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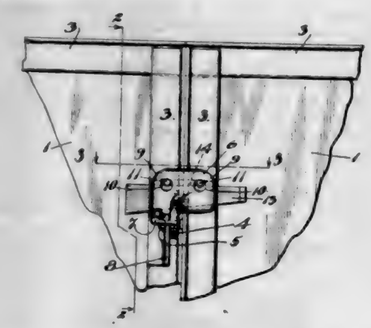
1,567,210. FORM-LOCKING DEVICE. HERAULT A. TRESTER, Milwaukee, Wis., assignor to Metal Forms Corporation, Milwaukee, Wis., a Corporation. Filed May 21, 1925. Serial No. 31,949. 9 Claims. (Cl. 25—131.)



1. The combination with form units and a tie rod, of a fastening member for securing the form units together, said fastening member being provided with a seat to receive the tie rod, and means for clamping the tie rod in position upon the seat.

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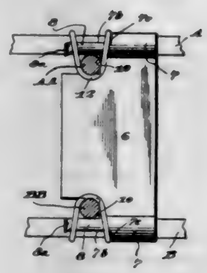
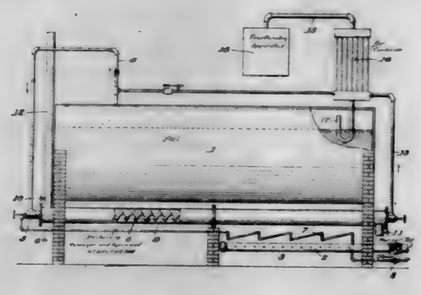
1,567,211. REENFORCED ROAD STRUCTURE. EARL D. TUBBS, New York, N. Y. Filed Aug. 15, 1925. Serial No. 50,457. 6 Claims. (Cl. 94—8.)



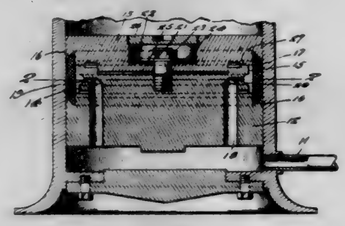
1. A device of the character described comprising a body portion having arcuately formed flanges at the ends thereof, elongated projections extending longitudinally with respect to said flanges, said body portion being reduced in length at one side thereof and lateral projections extending from said reduced portion.

1,567,212. APPARATUS FOR TREATING HYDROCARBONS. FRANK C. VANDE WATER and FREDERICK R. SUNDERMAN, Newburgh, N. Y., assignors to Petroleum Laboratories Inc., Newburgh, N. Y., a Corporation of New York. Filed May 17, 1923. Serial No. 639,581. 1 Claim. (Cl. 196—61.)



In combination, a still, a vapor outlet therefrom, a cracking tube receiving vapors from the still and located beneath the still, a protective element completely surrounding the cracking tube and spaced therefrom, common means to heat the protective element and the still, and means to cause a current of cool air to circulate entirely around the cracking tube and between the cracking tube and the protective element.

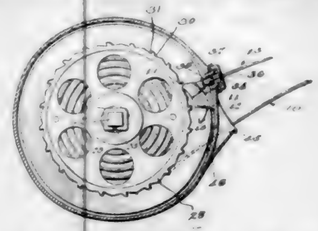
1,567,213. PISTON CONSTRUCTION. ADRIAN C. VAN HOOYDONK, Monroe, Mich., assignor of one-half to George J. Schrauder, Monroe, Mich. Filed Dec. 1, 1924. Serial No. 753,302. 3 Claims. (Cl. 74—109.)



1. A piston comprising a body, a cap secured to said body, said body being reduced at one end and the cap extending outward over such reduced end and defining an annular recess and having substantially V-shaped annular grooves in the opposed walls of the recess, an annular packing within the recess, said packing having its opposite edges shaped to fit the annular grooves and its inner periphery spaced from the adjacent wall of the recess, an annular transversely disposed seat between the body and cap at one end of the recess, means for securing the cap to the body and passages extending through the piston into the recess.

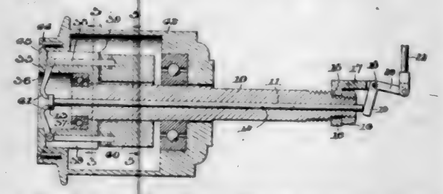
1,567,214. ANIMAL TRAP. LOVELL R. VAN TASSEL, Reynoldsville, Pa. Filed June 6, 1925. Serial No. 35,367. 4 Claims. (Cl. 43—87.)

1. An animal trap including a casing having anchoring means, a snare line movable through the casing and having a slip noose, a spring actuated drum rotatable within the casing on which the snare line is wound, a trip line extending from the casing, a toothed ring on the drum having oppositely facing angular surfaces presented by the teeth thereof, and a member controlled by the trip line and cooperating with the toothed ring to normally prevent rotation of the drum under tension of



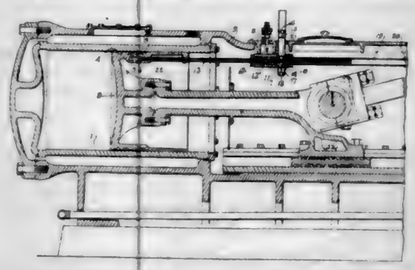
its spring and to prevent rotation of the drum in the opposite direction after the tension of its spring has been exhausted.

1,567,215. THROTTLE-CONTROL MECHANISM. JOSEPH A. WARD, Crowell, Tex. Filed June 24, 1922. Serial No. 570,626. 1 Claim. (Cl. 264—15.)



A device of the character described comprising a hollow pulley, a tubular shaft passing through the hollow pulley, a cap closing one face of the hollow pulley and provided with a recess and further provided with a plurality of longitudinal grooves, a plurality of bell crank levers pivoted to the cap and each having one leg normally disposed within one of the grooves and its other leg projecting into the recess, weight elements carried by the inner ends of the bell crank levers and disposed in the hollow pulley, a longitudinally movable rod passing through the tubular shaft and having one end disposed in the recess and adapted to be engaged by the last mentioned legs of the bell crank levers upon movement of the same in one direction, and a mechanism actuated by the opposite end of the longitudinally movable rod upon actuation of the same by the bell crank levers, the latter being actuated by the weight elements upon over speeding of the hollow pulley.

1,567,216. LUBRICATING THE BORE OF CYLINDERS OF ENGINES. ELMER A. WATTS, Springfield, Ohio, assignor to The Miller Improved Gas Engine Company, Springfield, Ohio, a Corporation of Ohio. Filed Oct. 20, 1924. Serial No. 744,640. 5 Claims. (Cl. 184—18.)



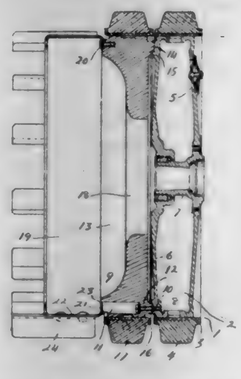
4. In a lubricating mechanism, a casing having oil and air inlet ports and a mixing chamber into which they discharge, a tubular cylinder secured to said casing and adapted to receive lubricant from said chamber, and a tubular piston mounted to reciprocate in the casing and the tubular cylinder and having a clearance between it and the bore of the cylinder in excess of a working fit.



1,567,217. DYNAMO-ELECTRIC MACHINE. HANS WEICHSEL, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a Corporation of Delaware. Filed Mar. 22, 1924. Serial No. 701,085. 8 Claims. (Cl. 172—280.)

7. In an alternating current motor, the combination of an induced member, and an inducing member provided with an inducing winding and with a commuted winding, the conductors of the commuted winding being so located as to embrace a portion only of the total magnetic flux passing through the inducing member and being positioned further from the periphery of the inducing member than the conductors of the inducing winding.

1,567,218. AUXILIARY WHEEL RIM. THOMAS C. WHITEHEAD, Detroit, Mich. Filed July 5, 1924. Serial No. 724,529. 11 Claims. (Cl. 301—40.)

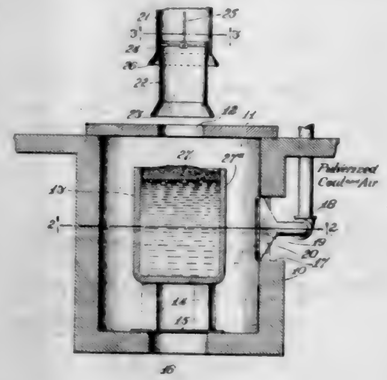


1. The combination with a vehicle wheel, of a weighted lateral extension for said wheel having transversely extending sockets therein providing relatively thin portions adjacent to said wheel, and headed elements engaging said thin portions and securing said extension to said wheel.

1,567,219. METAL-MELTING METHOD. WISTER C. WILLIAMS, Decatur, Ill., assignor to McLaughlin Coal Reduction Company, Decatur, Ill., a Corporation of South Dakota. Filed Oct. 13, 1923. Serial No. 668,319. 8 Claims. (Cl. 263—14.)

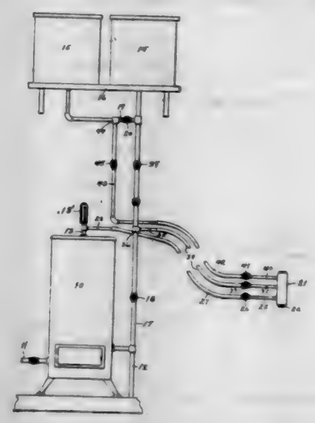
3. Method of melting metal which consists in subjecting the metal in an open container arranged in a confined space to the heat of a pulverized fuel flame directed circularly around said container and issuing out of the space above the container and baffled at its outlet so that it deposits incombustibles on the metal in the container.

8. Method of melting metal which consists in subjecting the metal in an open container to the heat of a




flame directed to pass around the container circularly and over the top of the same and produced by the combustion of a solid fuel pulverized so that substantially one-fourth of it, by weight, is fine enough to pass a screen having 800 meshes to the linear inch and mixed with air at a pressure of less than one-half ounce per square inch.

1,567,220. CLEANSING AND PAINT-REMOVING DEVICE. GEORGE L. WILLIAMSON, Chicago, Ill. Filed Mar. 24, 1924. Serial No. 701,580. 4 Claims. (Cl. 299—84.)



1. A cleansing and paint-removing apparatus, comprising a heater, a tank separate from the heater adapted to contain cleansing liquid, another tank separate from the heater and first tank adapted to contain a liquid neutralising agent, a water-supply system communicating with said heater and tanks, a valve in said system controlling the supply of water to said tanks, a valve-controlled conduit leading from said heater, a valve in said supply system between the inlets therefrom to the respective tanks, valve-controlled conduits leading from the supply

system between the first valve and the inlets to the respective tanks, valves controlling the connections between said conduits and the supply system and tanks, and a nozzle common to and communicating with all of said conduits, whereby separate liquids supplied by the tanks may be discharged by and with a jet of water from said heater, the ratio of quantities of said liquids and the heated water being controlled by the valves in the respective conduits.

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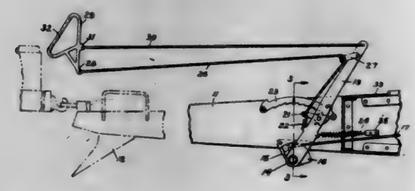
1,567,221. BRAKE CONTROL. HARRY C. ZIMMERMAN, Washington, D. C. Filed Sept. 30, 1924. Serial No. 740,859. 2 Claims. (Cl. 74—39.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. Means for operating a plurality of flexible connections embodying a handle having a grip portion, means formed on said handle centrally with respect to the grip portion for attachment of one cable and an angularly disposed arm on said handle extending beyond the path of rotation of said central portion for attachment of another cable.

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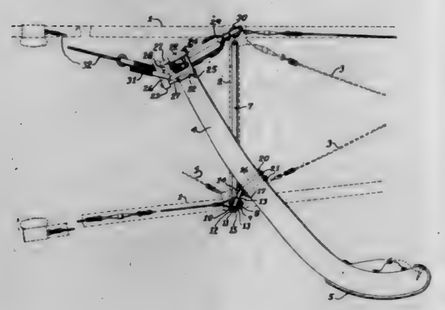
1,567,222. TAIL SKID. PAUL G. ZIMMERMANN, Keyport, N. J., assignor to Aeromarine Plane & Motor Company, New York, N. Y., a Corporation of New York. Filed Aug. 17, 1921, Serial No. 492,957. Renewed May 16, 1925. 7 Claims. (Cl. 244—2.)



4. In an aeroplane, a bottom cross member, a tail-skid member passing over and behind said cross member, an eye-bolt fastening swiveled in said cross member, and an engaging U-bolt fastening in the tail-skid member.

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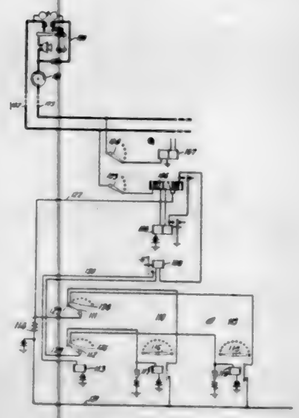
1,567,223. CONTROLLING SYSTEM. WALTER P. ALBERT, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 17, 1922. Serial No. 568,948. 8 Claims. (Cl. 179—18.)

1. The combination with a line and means for transmitting a series of impulses thereover, of a relay responsive to each succeeding impulse of the series having a winding for actuating the same, means opposing said



winding to prevent the actuation of said relay, and means made active upon the actuation of said relay for overcoming the effect of said opposing means.

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1,567,224. WEIGHING IMPLEMENT THE DEFLECTION OF WHICH IS MADE VISIBLE OR ENLARGED BY OPTICAL MEANS. ANTHON JOHANNES BAAGØE, Copenhagen, Denmark, assignor to Aktieselskabet Nielsen & Winther, Copenhagen, Denmark. Filed Mar. 25, 1924. Serial No. 701,862. 2 Claims. (Cl. 265—62.)

1. In a scale, in combination, a stationary part, a weighing mechanism, and optical means including a part and means for movably suspending said part of the optical means so that it is responsive to gravity and moves relatively both with respect to the weighing mechanism and stationary part of the scale.

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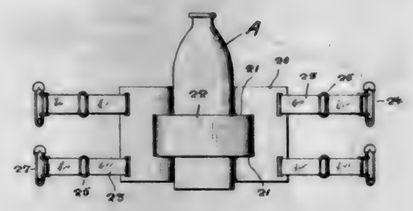
1,567,225. NURSING-BOTTLE HOLDER. LEO LOUIS BARBIN, Berlin, N. H. Filed Oct. 31, 1923. Serial No. 671,993. 1 Claim. (Cl. 248—65.)

A device of the character described comprising a rectangular sheet of rubber having spaced parallel slits therein defining a central tongue and a pair of side tongues, said sheet being adapted to serve as a holder for a bottle inserted between the central and said pair



of tongues, the formation of the sheet from rubber insuring elasticity and providing a gripping of the bottle, the corners of the sheet being formed with openings, and



longitudinally adjustable tabs of flexible material detachably engaged through said openings and carrying securing elements.

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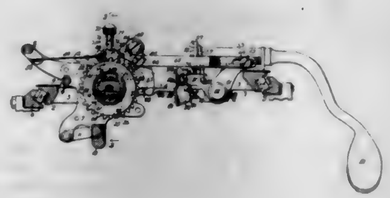
1,567,226. TYPEWRITING MACHINE. EDWIN E. BARNEY, New Rochelle, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Dec. 30, 1922. Serial No. 610,058. 35 Claims. (Cl. 197—114.)



1. In a typewriting or like machine, the combination of a platen, a line spacing ratchet wheel, a pawl for moving the line spacing wheel a definite distance at each actuation, and automatically operating means for rendering said line spacing wheel effective and ineffective on the platen.

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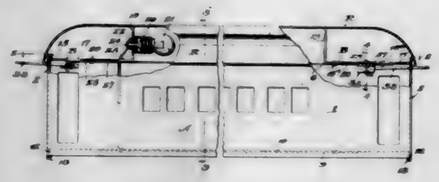
1,567,227. HEADLIGHT FOR TOY ELECTRIC LOCOMOTIVES. HARRY S. BECKER, Chicago, Ill., assignor to American Flyer Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 16, 1925. Serial No. 9,668. 10 Claims. (Cl. 240—7.1.)

9. A headlight construction for toy locomotives comprising the combination with the cab roof having an opening, of a support including electrical lamp terminals arranged beneath said opening and adapted to receive the plug of a lamp, and a hood simulating a headlight casing of standard locomotives detachably engaging the cab roof adjacent the opening.

1,567,228. TOY-CAR CONSTRUCTION. HARRY S. BECKER, Chicago, Ill., assignor to American Flyer Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 2, 1925. Serial No. 12,724. 13 Claims. (Cl. 46—48.)



10. A toy car construction comprising a car body made of sheet material, means for connecting and bracing the upper edges of the car body, a lamp carried by said means, and a roof fitted to the body and covering said lamp.

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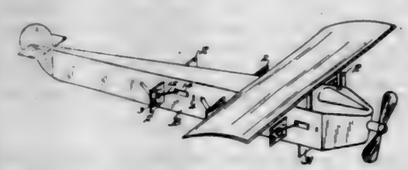
1,567,229. SPEED-RETARDING DEVICE FOR AIRPLANES. FRANK M. BOHLER, Los Angeles, Calif. Filed June 3, 1925. Serial No. 34,672. 7 Claims. (Cl. 244—29.)



1. Means for braking the speed of air craft comprising a set of rigid plates hinged to the craft body to swing outward, fluid pressure control means for regulating opening, and closing, the plates, and pneumatic cushioning, piston means hingedly connected to the backs of and for bracing and controlling the opening of the plates.

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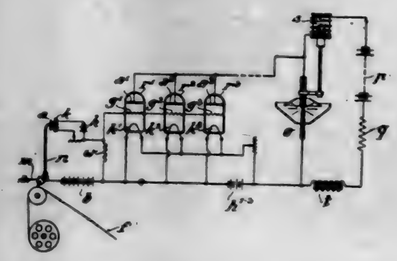
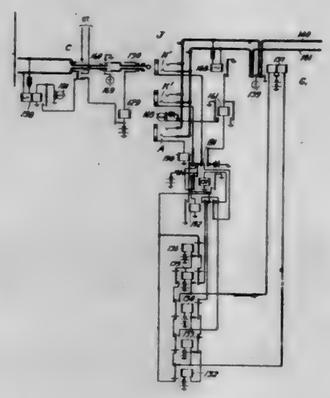
1,567,230. DEVICE FOR ELECTRICALLY REPRODUCING SOUNDS. OTTO BOTHE, Steglitz, near Berlin, Germany. Filed Mar. 23, 1922. Serial No. 546,106. 2 Claims. (Cl. 179—100.1.)



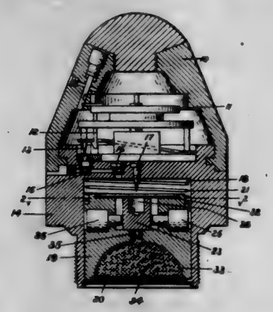
1. In an arrangement for electrically reproducing sounds, a thermionic valve, means for converting sound waves into corresponding electric fluctuations and for impressing these fluctuations on the grid of the thermionic valve, and an electric arc affected by the anode circuit of the thermionic valve, said arc being connected in parallel to the said anode circuit.

1,567,231. TELEPHONE-EXCHANGE SYSTEM. LANGFORD J. BOWNE, Howard Beach, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 26, 1922. Serial No. 577,501. 10 Claims. (Cl. 179—43.)



2. In a telephone system, a first exchange, a plurality of other exchanges, a continuous line circuit connecting the plurality of other exchanges with said first exchange, and a train of relays associated with the line and responsive to the seizure of the line at the first exchange for transmitting a number of impulses over the line to selectively signal any desired one of said other exchanges.

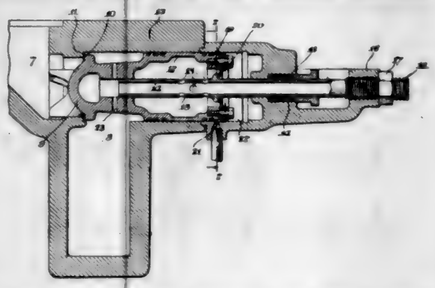
1,567,232. PERCUSSION ELEMENT FOR TIME FUSES. HAROLD M. BRAYTON, Dover, N. J. Filed Aug. 20, 1924. Serial No. 733,199. 12 Claims. (Cl. 102—39.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



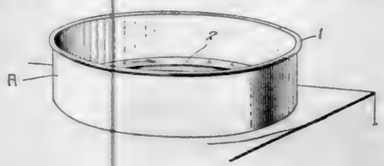
1. An attachment for a time fuse including a casing forming a closure for the fuse, a percussion plunger mounted in the casing, a rotor pivotally carried by the plunger, a detonator in the rotor, means automatically released during flight for normally locking the rotor in unarmed position, and a booster charge carried by the plunger.

1,567,233. AUTOMATIC AUXILIARY CLEARANCE CONTROL. WILLIAM C. BROWN, Prescott, Ontario, Canada, assignor to Stumpf Unaflow Engine Company, Inc., a Corporation of New York. Filed Jan. 4, 1922. Serial No. 526,990. 7 Claims. (Cl. 121—125.)

1. The method which consists in utilizing excessive compression pressure in a steam engine cylinder, against the pressure of live working steam exerted upon an effective area greater than that upon which the excessive compression pressure is exerted, to establish communication with an auxiliary clearance, and utilizing atmospheric pressure to close said communication when the pressure in the cylinder drops below atmosphere.

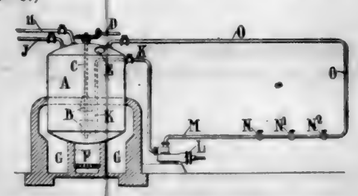


1,567,234. COMBINATION BAKING PAN. HENRY BRUCKER, Newark, N. J., assignor to American Aluminum Ware Co., a Corporation of New Jersey. Filed Mar. 7, 1922. Serial No. 541,672. 1 Claim. (Cl. 53—6.)



A filler-cake baking-pan, comprising a rim open at both ends and having an inwardly projecting annular flange at one end, and a pan having a closed bottom and inclined side walls with an annular flange projecting outwardly from the edge of said side walls and adapted to fit within said rim and form a dough-tight joint upon said annular flange of the rim with its side walls projecting upwardly into said rim in spaced relation thereto, said rim and pan combined as set forth forming a baking disk for the cake body with a bottom to seat on the oven floor and the pan forming a recess in said cake body and the pan when removed from the rim forming a baking dish for a filler for said recess with a bottom to seat on the oven floor.

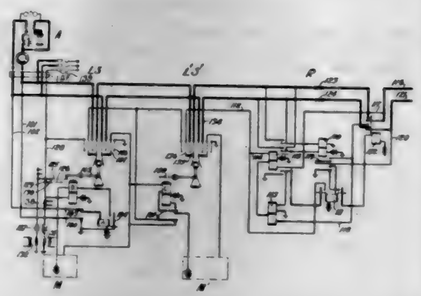
1,567,235. PROCESS FOR THE PRODUCTION OF LIQUID-FUEL MIXTURES. THOMAS HOWARD BUTLER, FREDERICK JAMES WILLIAM POPHAM, Bristol, JOHN CHRISTOPHER MANN, Birmingham, and HERBERT WILLIAM ROBINSON, Cleobury Mortimer, England. Filed Aug. 13, 1925. Serial No. 50,058. 3 Claims. (Cl. 44—9.)



1. A process for obtaining homogeneous mixtures of pitch and petroleum residue which consists in melting the pitch, raising the latter to a temperature substantially above its melting point, and gradually admitting the petroleum residue while continuously stirring.

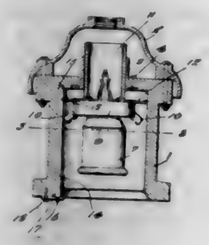


1,567,236. TELEPHONE SYSTEM. EDWARD D. BUTS, Palisade, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 31, 1923. Serial No. 654,804. 12 Claims. (Cl. 179—27.)



1. In a telephone system, telephone lines of different character, a local conductor for each line, a tone source for certain of said lines, and means actuated by the closure of one of said certain calling lines for connecting its local conductor to said source.

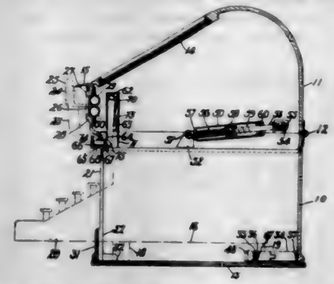
1,567,237. INCANDESCENT-ELECTRIC-LAMP FIXTURE. THOMAS B. CABELL, Jackson, Miss. Filed May 18, 1925. Serial No. 31,174. 1 Claim. (Cl. 240—78.)



In an incandescent electric lamp fixture, the combination of an insulating body hollow in form and having an opening in its end wall and also having a socket in the inner side of said wall, an interiorly threaded bushing connected to the body and arranged in said opening thereof, a receptacle threaded through the bushing and equipped with a lamp socket and with means for the connection of electric conductors, a plate carried by the receptacle and having a notch in its periphery, a pin movably arranged in the body and against the inner side of the wall thereof and also arranged in the notch of said plate and with its end in the socket in the end wall of the body, and a plate detachably connected to the body and receiving the opposite end of the said pin.

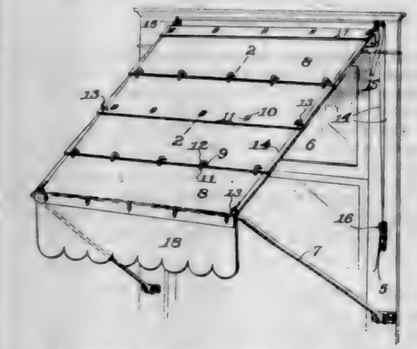
1,567,238. TYPEWRITING MACHINE. GEORGE W. CAMPBELL, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 19, 1921. Serial No. 523,340. 10 Claims. (Cl. 197—186.)

1. A sound-deadening casing for a typewriting machine having a frame, feet at the corners of said frame, a carriage, and an operating finger-piece projecting from said carriage, said casing having a slot in which the operating finger-piece travels with the carriage, said casing having fixed means for locating the feet at the front of the frame, positioning the machine so as to avoid interference with the operation of the finger-piece in the slot, and adjustable means for locating the feet at the rear of the



frame in conformity with the location of the feet at the front, thereby compensating for slight variations in the relative positioning of the feet in different machines.

1,567,239. AWNING COVERING AND CLOSURE FOR OPENINGS IN WALLS. CARL F. CAPELL, Santa Monica, Calif. Filed Feb. 4, 1925. Serial No. 6,730. 3 Claims. (Cl. 156—43.)

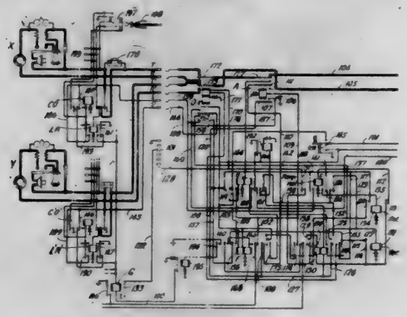


1. An awning comprising a U-shaped frame adapted to be pivotally secured to the casement of a window; a ledge adapted to be secured to the top of the casement of a window; a covering comprising a plurality of strips of metal, each strip having a line of perforations along one of its edges and two lines of perforations along the other edge; wire staples connecting said strips of metal by being passed through the single line of perforations of one strip and through the double line of perforations of an adjacent strip and clinched, said strips of metal being used in multiples of two and the lines of staples projecting alternately from opposite sides of the strips, said strips being secured to the ledge at the top and the frame at the bottom of staples, eyes secured to the lower edges of the pairs of strips; pulley blocks adapted to be secured to the window casement and cables passed through said pulley blocks and eyes and secured to the lower strip.

1,567,240. RESTRICTED-SERVICE AUTOMATIC TELEPHONE SYSTEM. WARREN W. CARPENTER, Queens, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 11, 1923. Serial No. 667,796. 5 Claims. (Cl. 179—18.)

1. In a telephone system, telephone lines of different classes, means for establishing different electrical conditions on the terminals of one of the talking conductors of

certain of said classes of lines, selectors having groups of trunks, means automatically operated upon the closure of the calling line for extending the line to an idle selector, means controlled by the calling party for setting said selector to any trunk group, means thereupon automatically operated for driving the selector over the



trunk group, a switch closed by the selector when set to a certain group, and means jointly controlled by the electrical condition of the calling line terminal and said switch for determining whether the selector shall select an idle trunk or pass over idle trunks when set to the said group.

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1,567,241. PROCESS OF MANUFACTURING HYDROCARBONS AND CYANIDES. JOHN COLLINS CLANCY, Asbury Park, N. J. Filed Apr. 18, 1925. Serial No. 24,270. 8 Claims. (Cl. 23—81.)

7. The process of manufacturing hydrocarbons and cyanides which comprises, destructively distilling comminuted carbonaceous material in contact with molten alkali metal cyanide, collecting the volatile reaction products, and subjecting the distillation residues to a cyanide forming reaction to reconstitute the cyanide decomposed in the distilling step and to form additional cyanide.

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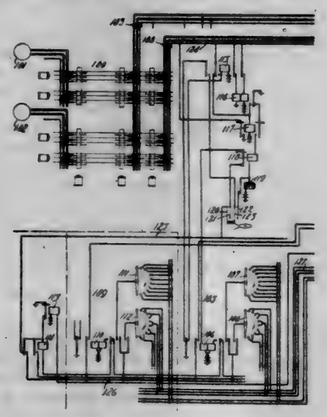
1,567,242. TELEPHONE-EXCHANGE SYSTEM. EDGAR H. CLARK, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 26, 1923. Serial No. 670,818. 5 Claims. (Cl. 179—18.)



1. In a telephone system, a selective switch comprising a number of rows each including a plurality of separately operable sets of contacts, switching bars, one for each row, a line extending to said switch and appearing in the contacts thereof, and means individual to the line and responsive to impulses sent thereover directly to the switch for causing the operation of said bars to selectively extend the line through said switch.

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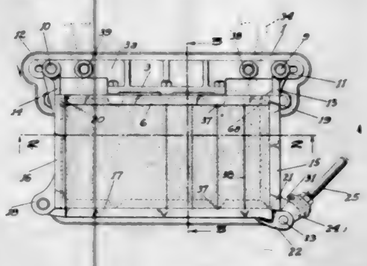
1,567,243. MOLD FOR FORMING CONCRETE BUILDING UNITS. HARRY E. CLOUSER, San Jose, Calif. Filed Nov. 29, 1924. Serial No. 752,925. 9 Claims. (Cl. 25—121.)



1. A mold including a fixed side, hinge elements at points removed from the fixed side, the ends of the mold being mounted on the removed hinges and engaging the free ends of the fixed side, the other side of the mold being hinged to one end and arranged for interlocking engagement with the other to close the mold.

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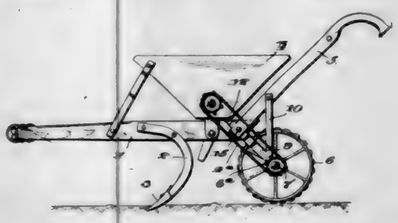
1,567,244. AGRICULTURAL IMPLEMENT CONSTRUCTION. EUGENE M. COLE, Charlotte, N. C. Filed Feb. 2, 1924. Serial No. 690,180. 2 Claims. (Cl. 97—238.)



1. The combination in an agricultural implement having a ground engaging element, of a pair of supporting arms for said element, said arms being of relatively thin flat cross-section, a wooden beam located between said arms and having at each side a notch to receive said arms, said notch being of substantially the same depth as the thickness of said arms, whereby the outer face of said arms lies substantially flush with the surface of the beam, a pair of handle bars fitted to the sides of the beam and overlying said notches and arms, and a bolt passing through said handle bars, arms, and beam rigidly securing said parts together.

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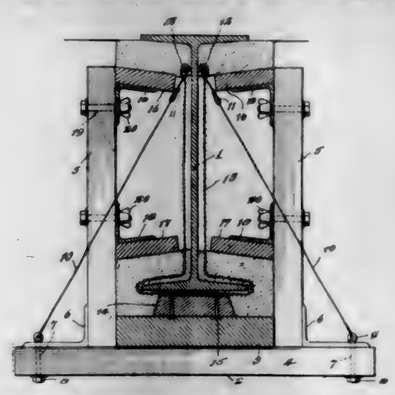
1,567,245. METHOD OF AND MEANS FOR INCASING GIRDERS OR THE LIKE. BRYAN C. COLLIER and WILLIS LEHICH, Allentown, Pa., assignors to Cement-Gun Contracting Company, Allentown, Pa., a Corporation of Delaware. Filed May 2, 1925. Serial No. 27,401. 12 Claims. (Cl. 25—131.5.)

1. A device for use in incasing a girder by shooting the material into place, comprising a continuous member to be placed beneath the flanged lower edge of the girder to determine the lower surface of the flange incasement,



means to support said member, and strips detachably carried by said supporting means to form the upper sur-



faces of the incasement for the flanges at said lower edge when material is shot in from the side around said flanges.

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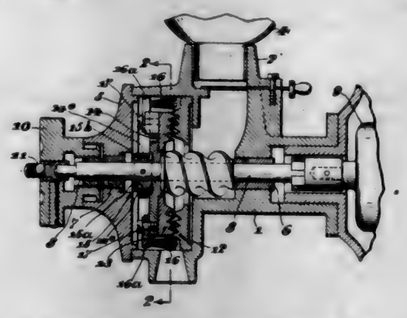
1,567,246. GRINDING MILL. LOUIS J. COSTA, Philadelphia, Pa., assignor to Standard Electric Products, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Feb. 19, 1925. Serial No. 10,199. 7 Claims. (Cl. 83—8.)



1. In a grinding mill, a casing, co-acting fixed and rotatable grinding members in said casing, a brush supporting member movable with said rotatable grinding member, said last mentioned member having a channel, a brush-holder in said channel, and a flexible brush element secured to said brush holder.

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1,567,247. COLLAR FASTENER. HARRY L. CROSON, Oakland, Calif., assignor of one-half to William W. Laidley, Piedmont, Calif. Filed June 18, 1923. Serial No. 646,120. 1 Claim. (Cl. 24—101.)

A collar fastener comprising a stamping of sheet material provided with a head of a width adapted to fill the space between the button hole and the top of the pocket in the neckband of a shirt, the head having two virtually straight and parallel side edges joined to round end edges, and a tongue extending approximately midway from one side edge of the head and having two virtually straight and parallel side edges at approximately right angles to the side edges of the head, the side edges of the tongue being joined to a round edge at the free end of the tongue, and the tongue having an obtuse-angled bend at its junction with the head, and a reverse, obtuse-angled bend near to the first bend, so that the free end of the tongue is in a plane virtually parallel with the plane of the head, the edges and surfaces of the finished collar fastener being free from projections, depressions or notches.

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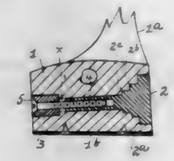
1,567,248. GOLF CLUB. JOSEPH A. DAHLMAN, Duluth, Minn. Filed Apr. 7, 1925. Serial No. 21,335. 9 Claims. (Cl. 273—77.)



1. In a golf club, the combination of a club head body portion, a striking head member inserted in the front face thereof, a rear weight inserted in the rear face thereof, an internally threaded traction member attached to one of said members and extending toward the other of said members, an externally threaded traction member extending through said other of said members and into engagement with said internally threaded member, whereby said striking head and said rear weight may be drawn toward each other and tightly into the recesses into which they are inserted.

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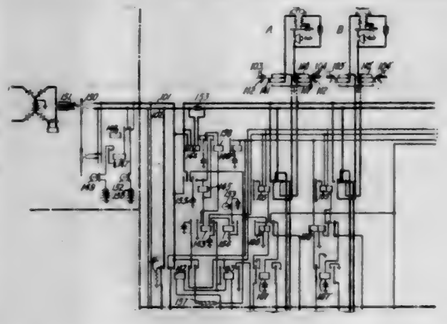
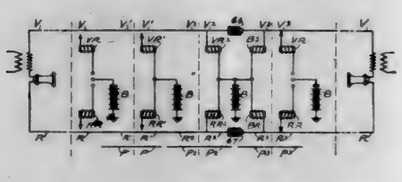
1,567,249. TELEPHONE-EXCHANGE SYSTEM. LUCIEN DEVAUX, Paris, France, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 9, 1923. Serial No. 667,470. 9 Claims. (Cl. 179—42.)



9. In a telephone system, subscribers' lines, a link circuit, a monitor's position, a signal for each of said lines at said monitor's position, means responsive to the initiation of a call on one of said lines for operating the signal thereof, means individual to each of said lines and under the control of said monitor for interconnecting said lines over said link circuit, and means in said link circuit operative in response to the termination of a conversation between two subscribers' lines over said link circuit for operating the signals of the respective lines.

1,567,250. AUTOMATIC TELEPHONE-EXCHANGE SYSTEM. BERT G. DUNHAM, Chicago, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Oct. 5, 1904. Serial No. 227,289. 2 Claims. (Cl. 179—18.)



1. In an automatic telephone system, the combination with a telephone line of an automatic switch at the central office connected in a conversational circuit with said line, release means for said switch controlled only over said line, a second switch at the central office having contacts also in the conversational circuit with said line, and a release magnet for said second switch actuated upon the complete release of said first switch, substantially as described.

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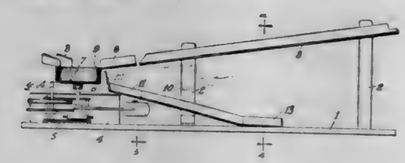
1,567,251. GAME. JOSEPH EKSTEIN, New York, N. Y. Filed June 19, 1925. Serial No. 38,142. 9 Claims. (Cl. 273—138.)



1. In a game a base, an inclined chute mounted on said base, a motor mounted on said base at one end thereof, a series of rotating channels mounted on said motor, said channels being adapted to register intermittently with the lower end of said chute, game pieces adapted to travel along said chute, and a receptacle to receive the game pieces after they have passed from the end of the chute through the channels.

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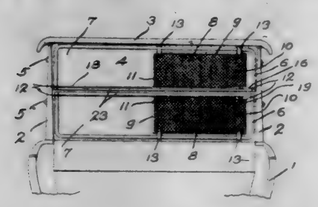
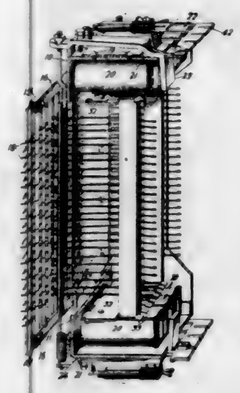
1,567,252. WINDSHIELD GUARD. SAMUEL J. EPARD and EVERETT B. SAUTER, Touchet, Wash. Filed Oct. 29, 1923. Serial No. 671,298. 2 Claims. (Cl. 296—95.)



1. In a windshield guard, the combination with a windshield comprising a frame and a glass mounted in the frame, of a guard mounted on the inside of the windshield and movable therewith, and comprising a screen mounted in a frame, said frame having one of its sides extended beyond the screen, means to adjust the length of said extended side, and to rigidly secure said side to the windshield frame, and means to secure the other side of the guard to the frame of the windshield.

1,567,253. SWITCHING DEVICE. OSCAR F. FORSBERG, Yonkers, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 2, 1921. Serial No. 482,106. 28 Claims. (Cl. 179—27.5.)



28. A switch comprising movable contacts, fixed contacts, and means for moving said first contacts in a plane at right angles to the plane of said fixed contacts and along the length thereof, whereby a wiping engagement is effected between said contacts.

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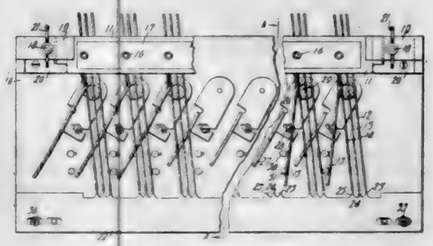
1,567,254. MEANS FOR ADJUSTING COORDINATE SWITCH PARTS. OSCAR F. FORSBERG, Yonkers, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 19, 1923. Serial No. 613,570. 5 Claims. (Cl. 153—10.)



1. A jig for a switch having a plurality of flexible elements, said jig comprising means for securing the flexible elements thereto, a guide for regulating the tension of some of said elements and a pulrality of reference markers for predetermining the relative positions and tensions of other of said elements.

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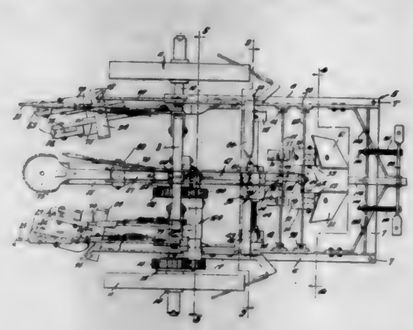
1,567,255. COTTON CULTIVATOR. ROBERT J. FOSTER, Westplains, Mo. Filed Aug. 6, 1923. Serial No. 656,004. 2 Claims. (Cl. 97—213.)

1. In a machine of the class described, a wheel supported frame, a rotary chopping member including a hub, arms radiating from the hub and having elongated openings, blade supporting arms having elongated openings,



means disposed within the openings to adjustably connect the arms, blades pivotally mounted at the outer ends of the blade supporting arms, coiled springs con-



nected with the blades for normally holding the blades to their active positions, and means for rotating the chopping member.

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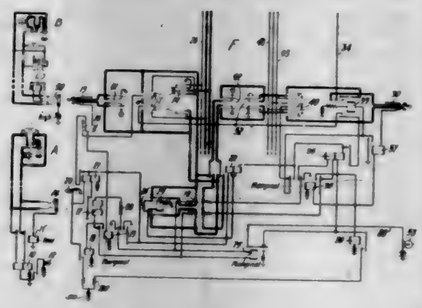
1,567,256. TELEPHONE SYSTEM. CLARENCE B. FOWLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 27, 1923. Serial No. 659,509. 15 Claims. (Cl. 179—27.)



1. In a telephone system, a plurality of trunk circuits having different dialing characteristics, a cord circuit, a dial circuit for supplying different dialing potentials, a key for connecting the dial circuit to the cord, and means operative in response to the connection of said cord circuit with one of said trunk circuits and the actuation of said key for conditioning said dial circuit to supply the particular dialing potential required for the trunk circuit taken for use.

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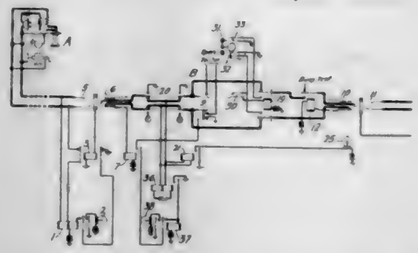
1,567,257. TELEPHONE SYSTEM. CLARENCE B. FOWLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 20, 1923. Serial No. 681,693. 13 Claims. (Cl. 179—27.)

1. A telephone system comprising a trunk circuit extending from a manual to an automatic central office, a link circuit at the manual office, an impulse sender, means for associating said sender with the link circuit, subscribers' lines at the automatic office, an automatic switch at the automatic office, an impulse responsive relay for the control of said switch to establish a connection between the trunk circuit and a subscriber's line,



and means responsive to the connection of the sender to the link circuit, the link circuit to the trunk circuit and the operation of the sender for closing a control circuit



for said impulse responsive relay including only a portion of one of the talking conductors of said trunk circuit, through said circuits from said impulse sender.

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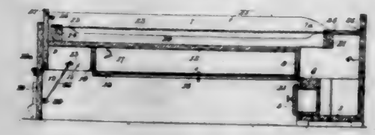
1,567,258. COMBINED WARDROBE AND BED. FRANK GALIK, Fairgrove, Mich. Filed Dec. 6, 1923. Serial No. 678,882. 1 Claim. (Cl. 5—1.)



In a combined wardrobe and bed, a base structure, an upper structure hinged thereto in the form of a combined wardrobe and bed, the upper structure supporting a bed spring having transverse end rails with the upper edge of the rail adjacent the base being bevelled, and a pillow board hinged to the base and having a forward bevelled edge supported on the bevelled edge of the bed rail when the bed is lowered the bevels being so arranged that the upward folding movement of the bed displaces the pillow board from the bed rail and folds it upwardly.

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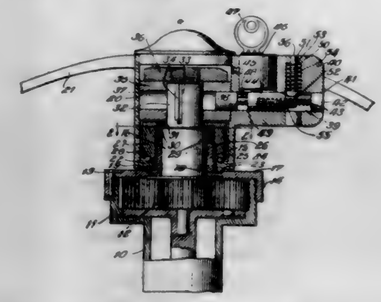
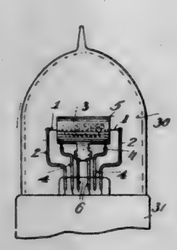
1,567,259. AUTOMOBILE LOCK. WILLIAM GANZ, Chicago, Ill. Filed Jan. 28, 1922. Serial No. 532,412. 8 Claims. (Cl. 70—129.)



4. In an automobile, a steering gear, a steering column, a steering shaft rotatably mounted in said column, a steering wheel adapted to rotate said steering shaft, and a combined thrust bearing and a swivel connection between said steering wheel and said steering column.

1,567,260. AUDION ELECTRODE STRUCTURE. WILLIAM GARITY, Brooklyn, N. Y., assignor to De Forest Radio Telephone & Telegraph Company, Jersey City, N. J., a Corporation of Delaware. Filed Mar. 17, 1923. Serial No. 625,911. 14 Claims. (Cl. 250—27.)



1. In an audion structure, a plate electrode comprising a blank having tongues extending from opposite edges thereof, the said blank being formed into a cylinder with the tongues positioned against each other, a support for said cylinder, and means for securing said tongues to said support.

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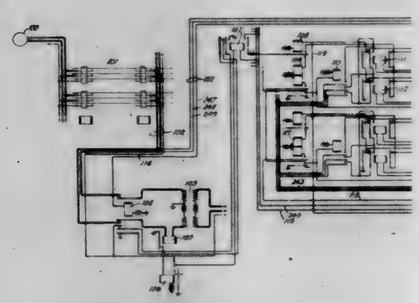
1,567,261. TELEPHONE-EXCHANGE SYSTEM. EARL S. GIBSON, Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 28, 1923. Serial No. 665,309. 8 Claims. (Cl. 179—18.)



1. In combination, a plurality of central office senders, a connecting circuit for each of said senders, a plurality of selective switches in which said circuits appear, each switch having access to a different portion of said senders as first choice and to the remainder of said senders as second choice, and means for operating one of said switches to select the connecting circuit individual to any one of said senders.

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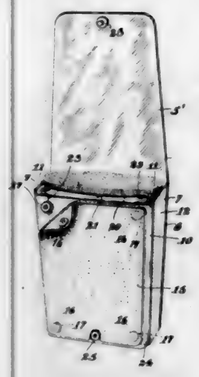
1,567,262. COMBINATION WHISK-BROOM HOLDER AND SHOE POLISHER. LAWRENCE E. GOELLER, Circleville, Ohio. Filed June 11, 1925. Serial No. 36,506. 8 Claims. (Cl. 15—227.)

1. A shoe shining device comprising an open ended casing adapted to receive the human hand, a shoe shining element detachably carried by one wall of the casing and extending entirely across the same, and a flap carried by one end of the casing and normally overlying the shoe shining element, and means for detachably connecting the free end of the flap to the casing.



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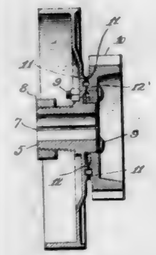
1,567,263. COMBINED PULLEY AND GEAR. ROBERT W. GOSSETT, Spartanburg, S. C., assignor to Manufacturers' Equipment Company, Spartanburg, S. C., a Corporation of South Carolina and North Carolina. Filed Oct. 17, 1924. Serial No. 744,238. 5 Claims. (Cl. 74—28.)



1. A combined wheel and gear embodying a pulley having an integral body and hub and provided on one face of its body with an annular series of serrations, a hubless gear provided on one of its faces with a similar series of serrations, bolts for clamping the gear and the pulley together with their serrations interlocking, said hub being longitudinally slit its entire length, said slit extending outwardly into the body to a point beyond said serrations, and means resiliently clamping the hub on a shaft.

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1,567,264. PROCESS FOR TREATING COTTON TEXTILES TO IMPART A LINEN-LIKE APPEARANCE THERETO. RENÉ MARIE LOUIS GUSTAVE HÉBERT, Gisors, France, assignor to Alphonse Vergé, Paris, France. Filed Apr. 7, 1925. Serial No. 21,445. 1 Claim. (Cl. 8—20.)

A process for treating cotton textile fabrics to impart the appearance of linen thereto, which comprises scouring the fabric with sodium carbonate, chlorinating the scoured fabric, treating it in a bath of sulphuric acid having a temperature not exceeding 15° C. and a concentration between 53° and 53.5° Bé., the period of impregnation being between 14 and 18 seconds; the two last-mentioned conditions being varied slightly between the said limits in accordance with the nature of the material; rinsing the material after the acid treatment, and thereafter subjecting it to a dressing operation.

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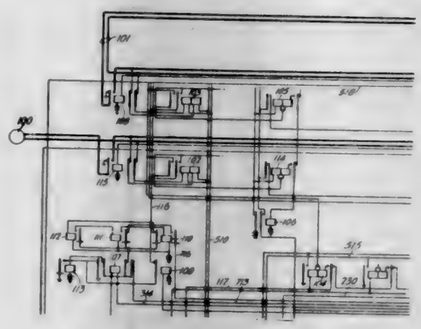
1,567,265. TELEPHONE-EXCHANGE SYSTEM. EDWARD E. HINRICHSEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1923. Serial No. 678,142. 14 Claims. (Cl. 179—27.)



1. In a telephone system, a plurality of local subscribers' lines arranged for connection with each other, outgoing trunks for extending connections from any of said lines, incoming trunks for extending connections to any of said lines, and a single unitary cross-bar switching device for effecting all of said connections.

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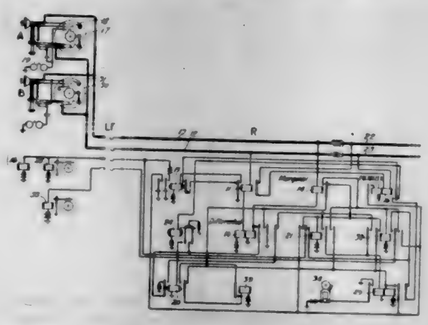
1,567,266. MESSAGE-REGISTER SYSTEM. EDWARD E. HINRICHSEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 27, 1924. Serial No. 702,235. 18 Claims. (Cl. 179—9.)



1. The method of operating a party-line message register automatic telephone system consisting in establishing an identifying condition at each selective operation of the calling subscriber whereby a meter corresponding to the calling subscriber may be operated when the called party answers, and preventing the operation of the meter if the identifying condition established at the successive selective operations by the calling subscriber are not identical.

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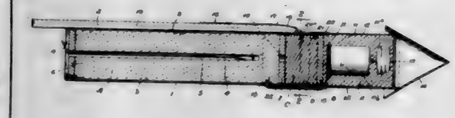
1,567,267. ROCKET. THOMAS G. HITT, Seattle, Wash. Filed Dec. 4, 1924. Serial No. 753,858. 2 Claims. (Cl. 102—28.)



2. A pyrotechnic rocket comprising a shell having a carrying charge and a bursting charge therein, said shell being provided with a hole through the side thereof opposite the bursting charge, a cover for said hole and a guide for the shell, said guide having a flexible tube filled with an explosive carried thereby, said tube having one end bent to perforate the cover and contact with the bursting charge, said guide and said tube being adjustably connected to the said shell.

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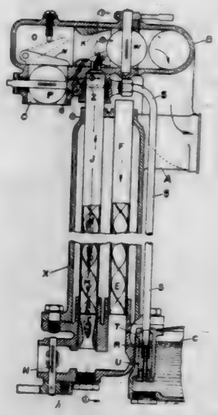
1,567,268. CARBURETOR. GEORGE M. HOLLEY, Detroit, Mich. Filed July 19, 1922. Serial No. 576,016. 2 Claims. (Cl. 261—13.)



1. In combination with an internal combustion engine, an exhaust pipe, a carburetor comprising primary and secondary mixing chambers, a fuel nozzle discharging into said primary mixing chamber, an air passage leading to said primary mixing chamber in heat conducting relationship with said exhaust pipe, a cold air entrance located between said air passage and said primary mixing chamber, means for controlling said air entrance for regulating the temperature in said primary mixing chamber, a passage connecting said primary mixing chamber to said secondary mixing chamber, said passage being in heat conducting relationship with said exhaust pipe, a secondary air entrance leading to said secondary mixing chamber to form therein an explosive mixture for said internal combustion engine.

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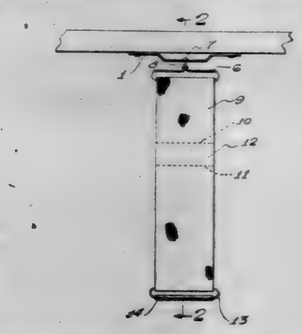
1,567,269. WORK HOLDER. MINNIE HOYA, Chicago, Ill. Filed Dec. 15, 1923. Serial No. 681,011. 2 Claims. (Cl 223—54.)

1. In combination with an attaching plate, the central portion of said attaching plate being offset laterally

relative to the ends and having an opening therethrough, of a fabric holder including spaced parallel side portions having spaced parallel rows of stitching intermediate



its ends, a weight attached to one end of the holder and means carried by the other end for loosely connecting the said holder to the plate.

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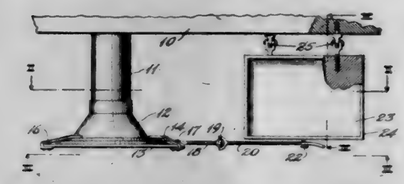
1,567,270. AUTOMATIC LAVATORY APPLIANCE. HENRY NEWTON JAMES, Miami, Fla. Filed Oct. 5, 1925. Serial No. 60,589. 5 Claims. (Cl. 4—8.)



1. A sanitary closet for railroad cars including a receptacle, a valve for opening and closing the bottom of said receptacle, a wind vane swingingly mounted on the car transverse the direction of its movement, and an operative connection between said vane and valve.

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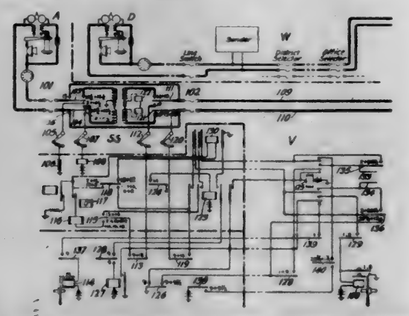
1,567,271. TELEPHONE-EXCHANGE SYSTEM. LEWIS H. JOHNSON, Madison, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 21, 1923. Serial No. 658,512. 11 Claims. (Cl. 179—27.)



1. In a telephone exchange system, a trunk, a selector switch for extending a connection therefrom, control means for said switch, a control circuit extending thereto over said trunk, means for further extending said connection, means at said switch for disassociating said control circuit from said control means and for extending it to said connection extending means, and means at said switch for compensating the resistance of said control circuit incident to the extension of said circuit.

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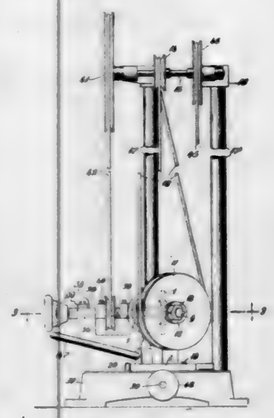
1,567,272. GRINDING APPARATUS. ROBERT MCC. JOHNSTONE, Roselle Park, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 4, 1921. Serial No. 458,448. 5 Claims. (Cl. 51—106.)



1. Grinding apparatus comprising: a grinding element, a work holder, a pivotal support for the work holder whereby said work holder may be swung with respect to the grinding element to effect different angular grinding relations between the two, and an adjustable eccentric bushing surrounding said pivot.

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1,567,273. NAIL EXPANSION AND METHOD. JOHN KARITZKY, Garwood, N. J., assignor to Henry B. Newhall, Plainfield, N. J. Filed Sept. 20, 1924. Serial No. 738,804. 7 Claims. (Cl. 85—2.4.)

1. The method of manufacturing a wire nail expansion consisting in bending a strand of wire back on itself to form a two strand wire, then bending the two strand wire on itself to form a four strand expansible shield.

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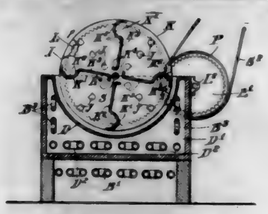
1,567,274. APPARATUS FOR TREATING LACTIC FLUIDS. JOSEPH MOSES WARD KITCHEN, East Orange, N. J. Filed June 2, 1923. Serial No. 643,022. 8 Claims. (Cl. 99—2.)

3. In an apparatus of the class described, a rotor comprising a rotatable shaft, means for rotating said shaft,



spaced perforated disks secured to said shaft, perforated blades connecting said disks, said blades being radially disposed to said shaft, the outer portion of said blades



forming perforated elongated trough-dippers, and the inner longitudinal edges of said blades being spaced from the shaft.

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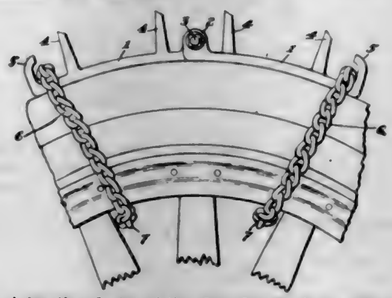
1,567,275. TRACTION SHOE. MACK KLEIN, Revere, Mass. Filed Dec. 6, 1923. Serial No. 679,023. 2 Claims. (Cl. 152—14.)



1. A traction device of the class described, comprising a pair of plates hinged to each other at one end, each plate at its opposite end being provided with a pair of spaced alined hooks and with a vertical upstanding rib extending parallel to the plane of said hooks and inset from the end of the plate, and a pair of chains disposed across the free ends of said plates in the space between said hooks and said last-named ribs for anchoring the traction device in position.

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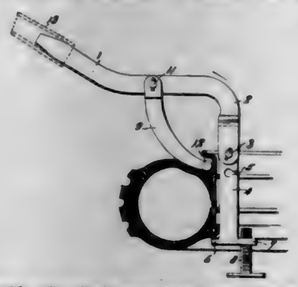
1,567,276. TIRE TOOL. GUST KOWALCYK and JOSEPH KOWALCYK, Houtsdale, Pa., assignors of one-third to George H. McGrath, Houtsdale, Pa. Filed Mar. 27, 1923. Serial No. 628,080. 1 Claim. (Cl. 157—6.)



A portable tire tool comprising an L-lever having a handle portion extending at an angle to the lever proper, a straight jaw having a T end and adjustably secured to the short arm of said L lever, a curved pusher jaw pivoted to the other arm of said L lever and having a T end to engage the tire, the T head of said first mentioned jaw adapted to engage the rim, and an adjustable screw support threaded into the T head of said first mentioned jaw for the purposes described, said pusher jaw being arranged with its convex surface to be opposed to the tire when the tool is in use and the length of said straight jaw being approximately that of the width of the rim whereby to bring the pivot point down close to the rim, and all being arranged whereby a push action on the handle part of the lever will cause said pusher member to force the tire off the rim substantially as shown and described.

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1,567,277. COMPOSITION FOR ELECTRIC INSULATORS AND METHOD OF PREPARING SAME. ARMAND L. LABBE, Murray, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 16, 1921. Serial No. 492,654. 2 Claims. (Cl. 106—12.)

1. A process of forming an electrical insulating material for high voltage electric current which consists in mixing slacked lime substantially free from magnesia in the proportion of not less than 40% and Portland cement and sand in substantial proportions, said ingredients being mixed together and formed into shape and then baked prior to use for insulating purposes.

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1,567,278. COMPOSITE OR SKELETON METAL WORK AND METHOD OF PRODUCING THE SAME. LAURENCE S. LACHMAN, New York, N. Y. Filed Aug. 24, 1923. Serial No. 659,046. 6 Claims. (Cl. 219—10.)

1. Composite metal work one member of which consists of two pieces of metal adjacent to one another but with a slight space between them at the point of weld and another member welded against the same in said space on the line of division or separation between the elements comprising the first-named member.

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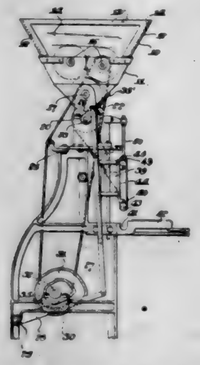
1,567,279. CIGAR BUNCHING. BERNARD LIBERMAN, Philadelphia, Pa. Filed Nov. 24, 1920, Serial No. 426,184. 18 Claims. (Cl. 131—42.)



7. In a cigar bunching machine, the combination of a bunching apron, means operating upon the apron to form a bunching pocket and to close the ends of said pocket, means for delivering measured charges of filler to said

pocket and means for pressing the entire upper surface of the charge into a horizontal plane below the margin of the pocket until after the withdrawal of said delivering means.

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1,567,280. TELEPHONE-EXCHANGE SYSTEM. GEORGE ALBEN E. LUNDELL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 11, 1920. Serial No. 364,999. 39 Claims. (Cl. 179—27.5.)

1. In an automatic switch, a plurality of rows of terminals, a plurality of sets of brushes engageable therewith, resilient supporting means for said brushes, a shaft for moving said brushes, brush-controlling means for laterally flexing said supporting means whereby said brushes are caused to occupy an inoperative position between said terminal rows, and a tripping device operated by said shaft whereby said brush sets may be selectively released.

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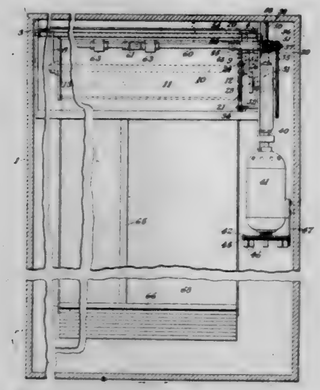
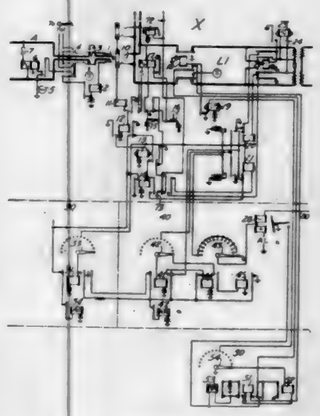
1,567,281. DISPLAY APPARATUS. LESLIE R. MCDONALD, Montreal, Quebec, Canada. Filed Nov. 8, 1924. Serial No. 748,537. 20 Claims. (Cl. 40—35.)



1. In a display apparatus, the combination of placard carrier rotating means and a rotatable placard carrier, a series of flexible placards each attached by one end thereto and partially rolled thereupon with their free ends depending therefrom, and means for frictionally engaging the back of and lifting the depending portion of the placard.

1,567,282. TELEPHONE SYSTEM. HARRY W. MACDOUGALL, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1921. Serial No. 523,264. 16 Claims. (Cl. 179—43.)



15. The method of signaling which comprises translating alternating signaling current into a code of direct current impulses, translating the direct current impulses into a step by step movement, translating the step by step movement into a code of direct current impulses, and translating the last said code of impulses into a steady signal indication.

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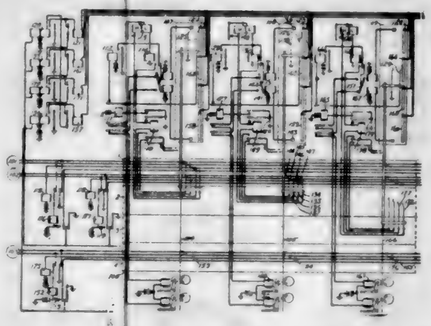
1,567,283. TELEPHONE-EXCHANGE SYSTEM. WILLIAM H. MATTHIES, Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 23, 1924. Serial No. 694,533. 5 Claims. (Cl. 179—18.)



1. In a telephone exchange system, a plurality of line finders having no normal position, a plurality of subscribers' lines terminating in said line finders, said lines being divided into groups, a start circuit common to the lines of each of said groups, means controlled over each common start circuit for starting all idle line finders whose brushes are at the time standing within the group to which the start circuit is assigned, and means operative when no idle line finders have brushes standing within the calling group to render effective the start circuit common to the lines of a subsequent group for starting such idle line finders as at the time have their brushes standing in such subsequent group.



1,567,284. METHOD AND APPARATUS FOR FORMING CANDY WHISTLES. FRANK B. MILLER, Norwalk, Ohio. Filed Feb. 21, 1925. Serial No. 10,828. 17 Claims. (Cl. 107—10.)

1. A molding apparatus for forming the hollow body of a candy whistle, comprising a mold having an aperture through one end and being open at the other end, a stud projecting inwardly in said mold for forming an air outlet passage for the hollow body, and a core reciprocable through the open end of said mold for forming an air chamber and inlet passage in the whistle body, said core projecting into and closing the aperture in the end of said mold and bearing against said stud when inserted into the mold.

13. The method of forming a candy article comprising, casting in a suitable mold a body of candy, forming, by means of a suitable core, a passage through said body comprising a restricted inlet passage and an air chamber, withdrawing the core forming the air chamber through an open end in the body, and closing said open end by molding molten candy around a handle and forming from the molten candy an end wall for said hollow body.

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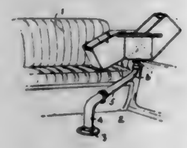
1,567,285. BABY CARRIER. FRANK A. MITCHELL, San Francisco, Calif. Filed Dec. 11, 1924. Serial No. 755,294. 3 Claims. (Cl. 5—94.)



1. A baby carrier comprising a container having a central portion and two end portions, each of said portions having sides and a base member said three base members hinged together, and the sides and base member of each portion hinged together, means for locking together the sides of adjacent portions, and a folding end plate on each end portion, all constructed and adapted to fold together into a flat package.

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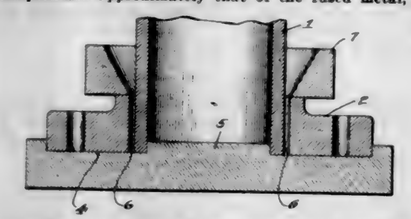
1,567,286. FLANGED PIPE AND METHOD OF PRODUCING. WILLIAM DAVIS MOORE and DOUGLAS BEATTY, Birmingham, Ala., assignors to American Cast Iron Pipe Company, Birmingham, Ala., a Corporation of Georgia. Filed Jan. 30, 1925. Serial No. 5,791. 5 Claims. (Cl. 22—204.)

1. The step in the method of connecting a cast flange to a cast pipe length through the intermediary of a fused metal which consists in heating the flange and pipe to a temperature approximately that of the fused metal, and



with the temperature of the flange higher than that of the pipe lengths prior to the insertion of the fused metal, whereby the parts will be shrunk upon each other.

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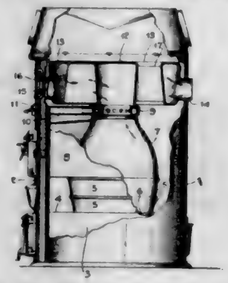
1,567,287. WARM-AIR FURNACE. DAVID M. MORPHY, De Kalb, Ill., assignor to Utica Heater Company, Utica, N. Y., a Corporation of New York. Filed June 16, 1923. Serial No. 645,723. 17 Claims. (Cl. 126—112.)



1. In an air heating furnace, the combination of a radiator comprising a horizontal ring-form flue having a downwardly opening gas inlet elbow at the center and an upward air passage between said flue and elbow, a fire chamber having a fuel feed conduit and a restricted gas outlet above the level of said conduit and of substantially the same diameter as said elbow, a separately made, air-conducting ring interposed between and connecting the fire chamber outlet with said elbow inlet, an air supply duct open to atmosphere for admitting supplemental air to said ring and exit means in the ring for delivering such air into the fire-gas flow in the ring connection.

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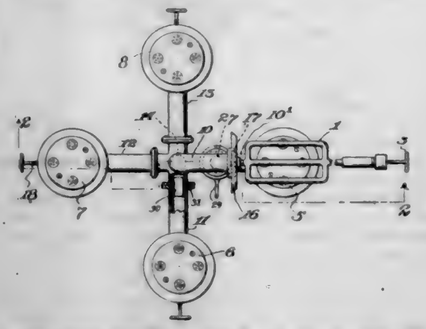
1,567,288. BURNER. CLYDE W. MUMMERY, Richmond, Mich. Filed Nov. 24, 1924. Serial No. 751,979. 1 Claim. (Cl. 158—65.)



The combination with a retort, of a downwardly curved mixing chamber into which the retort discharges, said mixing chamber having an air inlet at its upper end com-

prising a series of holes surrounding the connection between the retort and the chamber, a shield surrounding said connection, between the retort and said holes, the mixing chamber also having a depending branch pipe forming an additional air inlet.

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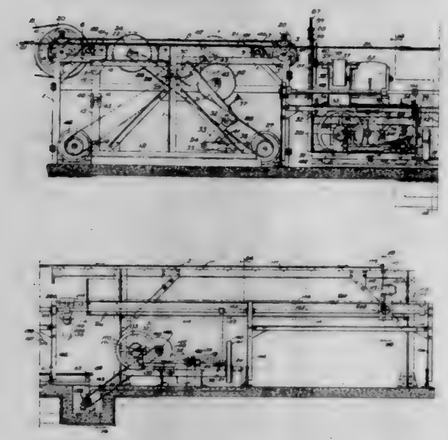
1,567,289. MACHINE FOR CUTTING SHEETS INTO SUITABLE LENGTHS AND WIDTHS. TREADWAY B. MUNROE, Forest Glen, Md. Filed Mar. 3, 1923. Serial No. 622,577. 18 Claims. (Cl. 143—47.)



1. In a machine for cutting continuously moving material the combination of a clamp; a transversely movable cutting means adapted to cut said material adjacent said clamp into predetermined lengths; and means actuated by said material for moving said cutting means and actuating said clamp.

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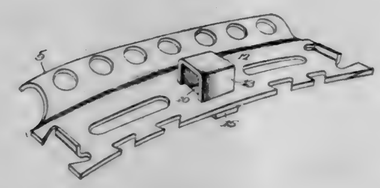
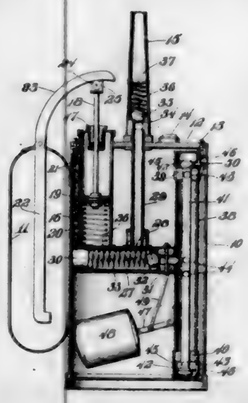
1,567,290. BRAKE SHOE. ALBERT NELSON, Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 26, 1925. Serial No. 4,655. 9 Claims. (Cl. 188—258.)



5. A brake shoe comprising a reinforcing back having an opening therein extending transversely of the back and terminating at its ends in parallel slots extending lengthwise of the back, a fastening lug comprising a metal strap bent to form an arch and having its legs engaged with said slots and bent outwardly in opposite directions under and transversely of the back, projections on the back forming sides for said opening extending inwardly of the lug between the legs thereof, whereby said legs are engaged at the inside, the outside and the edges thereof by portions of the back, and shoulders at the edges of the legs directly engaging the back at the edge of the opening therein.

1,567,291. OIL CAN. ANTON NOVAK, Jr., Milford, Nebr. Filed Feb. 5, 1925. Serial No. 7,066. 3 Claims. (Cl. 221—51.)



1. In an oil can, a casing, a removable cover therefor, a pump cylinder directed through and supported from the cover, a piston reciprocable therein and operable from the exterior of the casing, a tube with which the discharge of the pump communicates, a check valved spout carried by said cover, a connection between the spout and said tube, closures for opposite ends of the tube, one of which comprises a spring seated check valve normally closing communication between the tube and the interior of the casing, a second tube with which the check valved end of the first named tube communicates and extending vertically in the casing and provided at adjacent opposite ends thereof with valve seats, a member reciprocable through said second named tube and having valves coacting with said seats, said member being hollow and forming a conduit for the transmission of fluid from the interior of the casing to the interior of the second named tube and means for bringing the valve of said member which is arranged uppermost into engagement with the adjacent seat of the tube to thereby seal against communication of the corresponding end of the member with the casing.

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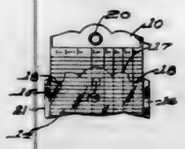
1,567,292. HOLDER FOR SIGNS. HARVEY M. OWENS, Leominster, Mass. Filed Feb. 19, 1925. Serial No. 10,379. 5 Claims. (Cl. 40—159.)



1. As an article of manufacture, a combined sign or card and holder therefor, comprising a card or sign of sheet material cut out from a blank thereof, three margins of said blank beyond the card having secured to their opposite faces around three edges a pair of sheets of transparent material constituting with said margins a casing or holder for the card and open at the fourth side, said card projecting to said fourth side of said holder and being capable of being drawn out at the fourth side, two of said margins constituting guides therefor.



1,567,293. ARRANGEMENT FOR PREVENTING MARGINAL DISCHARGES. EMIL PFIFFNER, Fribourg, Switzerland. Filed Apr. 7, 1923. Serial No. 630,668. 3 Claims. (Cl. 250—41.)

1. An arrangement for preventing marginal discharge particularly in condensers, comprising an insulating material, a conducting material the margin of which rests on the insulating material, and a margin of resistance-material enveloping the margin of the conducting material in order to gradually decrease the potential difference at the edges of the latter acting on the insulating material.

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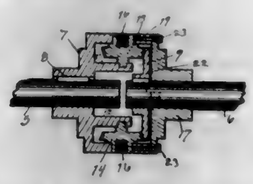
1,567,294. ADJUSTABLE COUPLING. ALFRED C. PIHL, Eureka, Calif. Filed Jan. 30, 1925. Serial No. 5,895. 2 Claims. (Cl. 64—90.)



2. In a device of the character described, a casting keyed adjacent the end of a shaft, a second shaft in axial alignment with said first mentioned shaft, a casting freely rotatable on said second mentioned shaft, a pair of radially disposed gears positioned in said first mentioned casting, a gear positioned on said second mentioned shaft and adapted to mesh with said radially disposed gears, means for rotating said last mentioned gears, and means for locking said gears against rotation.

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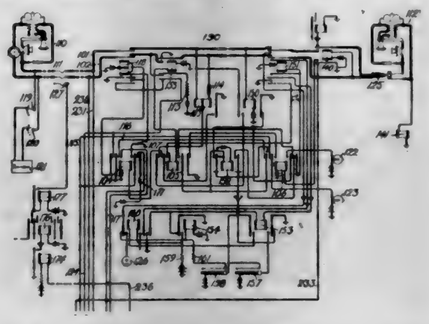
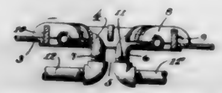
1,567,295. TELEPHONE-EXCHANGE SYSTEM. LIPA POLINKOWSKY, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 17, 1922. Serial No. 601,473. 6 Claims. (Cl. 179—27.)



1. In a telephone system, subscribers' lines, a trunk for making connections with said lines, an automatic selective switch for extending a connection over said trunk, a supervisory signal operated in response to the replacement of his receiver by the called subscriber, and means for operating said signal in response to the extension of a second connection over the trunk before such trunk is disassociated from the first called line.

1,567,296. WATER HEATER. ADOLPH PRICE, Norfolk, Nebr. Filed Nov. 15, 1923. Serial No. 674,853. 1 Claim. (Cl. 126—53.)



In combination with a stove having a series of openings in the top thereof, a grate mounted in each opening and consisting of an annular rim and radial ribs connected therewith; of a series of water heating units each comprising an annular water pipe supported in the lower edges of said radial ribs and in spaced relation to and within the annular rim of the grate, the ends of each annular water pipe terminating in slightly spaced apart and downwardly extending parallel inlet and outlet stems, said stems having their lower ends threaded, elbow sections engaged respectively with said threaded stems and having their outer ends disposed in outwardly opposite directions, and inlet and outlet pipes threaded into engagement with the outer ends of said elbow sections and extending laterally in opposite directions, said parallel stems and the inlet and outlet pipes of the complete series of water heating units being disposed in the same longitudinal and vertical plane, as and for the purpose described.

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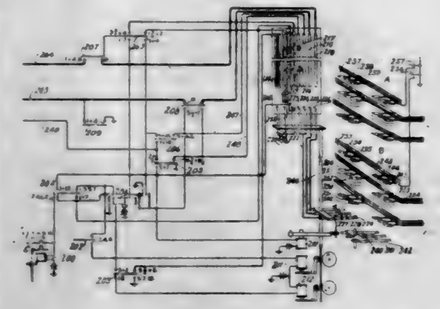
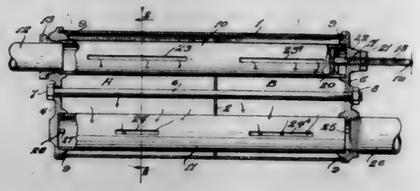
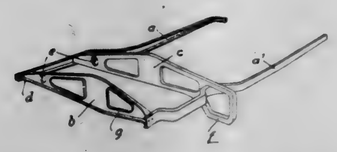
1,567,297. SELECTIVE SWITCH. FRANK N. REEVES, Newark, N. J., and EDGAR H. CLARK, Richmond Hill, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1919. Serial No. 347,936. 10 Claims. (Cl. 179—27.)



1. In a selective switch, a series of stationary terminals, a movable element arranged to cooperate with said terminals, means for driving said movable element, selective means responsive to the electrical condition of certain of said terminals for stopping said movable element to select any one thereof, a circuit including said movable element, means for closing said circuit to change the electrical condition of said movable element to in turn change the electrical condition of the selected terminal, said selective means being responsive to the electrical condition of a particular terminal of said series for stopping the movable element to select such terminal, and means for opening said circuit when said particular terminal is selected to prevent the changing of the electrical condition of the movable element.

1,567,298. MUFFLER. ELMER F. REINHARDT, Owensboro, Ky. Filed Sept. 12, 1923. Serial No. 662,243. 3 Claims. (Cl. 137—160.)

1. In a muffler construction, a casing having a tubular body circular in cross section and heads at ends of said body, a partition in said casing intermediate the length of said body and dividing the casing into forward and rear compartments, and inlet and exhaust tubes disposed longitudinally in said casing with their ends engaged with said heads and their intermediate portions passing through said partition, the inlet-tube having its inlet end registering with an opening in one of the heads and the exhaust tube having its outlet end registering with an opening in the other head and said tubes being provided in the forward and rear compartments with slots formed in their opposed side portions and extending longitudinally of the tubes.

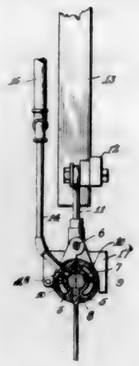
1,567,299. FRAME. THEODOR RICHTER, Spandau, Germany. Filed Feb. 13, 1924. Serial No. 692,619. 3 Claims. (Cl. 56—1.)



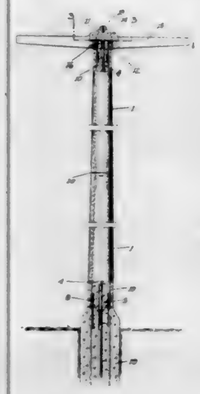
1. As an article of manufacture a frame for a mowing and binding machine consisting of four main members of pressed metal shaped to a channel or U form in cross section and made relatively wide at intermediate portions thereof and being substantially uniformly tapered toward their ends to thereby render them of uniform strength throughout their length, without excess weight, with respect to the loads to be carried, all of said members having their web portions vertically and their flange portions, horizontally disposed, two of said members being materially longer than the others and being disposed transversely of the line of travel of the frame when in use, with their open sides inward and the other two of said members being disposed adjacent each other and toward the same end of the first named members with the terminal ends of one of said members and one end of the other of said members snugly interfitted into the open sides of the first named members.

1,567,300. GLASS BAIT. GEORGE G. ROBERTS, Washington, D. C., assignor to The Virginia Plate Glass Corporation, Washington, D. C., a Corporation of Virginia. Filed May 11, 1923. Serial No. 638,294. 4 Claims. (Cl. 49—17.)

1. A bait for drawing glass in plate form consisting of a pair of separable sections pivoted together along their longitudinal edges and having a longitudinal slot between their lower meeting edges and an enlarged interior cavity extending the length of the slot, removable clamping means being employed to hold the sections together in closed relation.



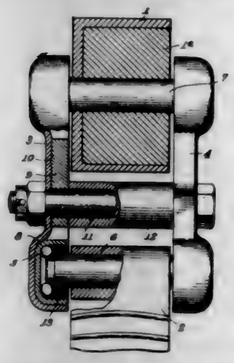
1,567,301. SECTIONAL CONCRETE POLE. ALFRED C. ROSS, Valley Springs, Calif. Filed Dec. 16, 1924. Serial No. 756,196. 3 Claims. (Cl. 72—84.)



1. A concrete pole comprising a plurality of independent sections, connecting means between the sections arranged centrally of the cross sectional area thereof, a metal ring embedded in one end of each section and lying flush with the end thereof, the concrete being removed from around the inner periphery of the ring for a certain portion of the depth thereof, and a similar ring on the other end of each section projecting a certain distance outwardly thereof and adapted to fit inside the first ring of an adjacent section, the sections then abutting outwardly of the rings whereby the latter are concealed.

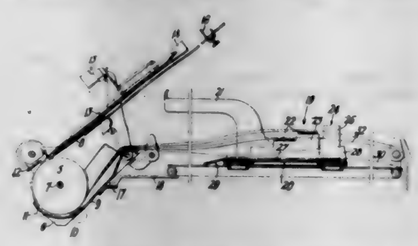
1,567,302. VEHICLE SPRING BEARING. RAYMOND R. SEARLES, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a Corporation of Connecticut. Filed Mar. 10, 1925. Serial No. 14,393. 6 Claims. (Cl. 267—54.)

1. In a vehicle spring bearing, a pair of shackle links having bearing surfaces at the ends, shackle pins, anti-friction bearing members between said bearing surfaces and said pins, and means for holding said links together with the anti-friction bearing members engaging said pins and bearing surfaces, said holding means being positioned substantially farther from one end of said links than from the other end.





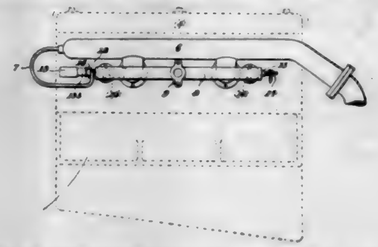
1,567,303. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 1, 1923. Serial No. 621,992. 8 Claims. (Cl. 197—126.)



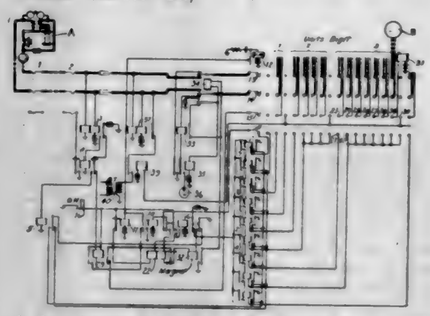
1. In a typewriting machine, in combination, a revoluble platen, a work-presenting frame behind said platen, carbon-withdrawal mechanism mounted on said work-presenting frame, means mounted on said carbon-withdrawal mechanism to facilitate the insertion of a separate work-sheet underneath the main web to be drawn around said platen to a position on top of said web, said insertion means comprising a chute having a body-portion, a downwardly-bent forward edge and upturned side edges forming rearwardly-converging side guides having forwardly-inclined surfaces on their tops that slope from their rear ends down to a point at their forward ends where they join the bottom of said chute, said inclined surfaces being provided with slots or cutout portions in their rear ends to allow for the passage of gages that may be adjusted transversely of said chute, and gaging means mounted on said carbon-withdrawal mechanism to guide said pack or web.

1,567,304. MANIFOLD HEATER. WILLIAM H. SMITH, Bridgeport, Conn. Filed Dec. 31, 1924. Serial No. 759,163. 3 Claims. (Cl. 123—122.)

1. The combination with an internal combustion engine having an exhaust manifold, of an intake manifold, an elongated chamber formed in the intake manifold and having its opposite open end portions projecting therefrom, one of said projecting portions having a lateral inlet and the other having its opening controlled by a valve structure, a removable heating element positioned within the bore of the chamber through the open end having the lateral inlet, and means for feeding exhaust gases from the exhaust manifold to the inlet of the chamber.

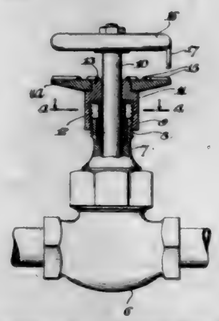


1,567,305. TELEPHONE SYSTEM. EDWIN H. SMYTHE, Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 24, 1923. Serial No. 682,368. 8 Claims. (Cl. 179—18.)



1. In a telephone system, a selector switch, a register-marker individual to said switch for determining one factor in the extent of the primary movement of said switch, and means variable at will for determining another factor in the extent of the primary movement of said switch.

1,567,306. REGULATING VALVE. JOHN F. STRAITS, Philadelphia, Pa., assignor to National Airoil Burner Company, Philadelphia, Pa., a Corporation of Delaware. Filed July 9, 1923. Serial No. 650,221. 1 Claim. (Cl. 116—125.)



In a regulating valve, the combination of a valve body, a valve, a valve spindle, a spindle operating hand wheel, a hand operated rotatably adjustable graduated disc sur-

rounding the spindle and in friction relationship with the valve body, the hand wheel provided with direction arrows and suitable legends associated therewith, and a pointer connected with the wheel for cooperating with the disc graduations.

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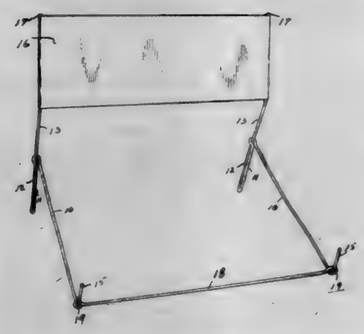
1,567,307. FOLDING DISPLAY FRAME. CHARLES W. TAUSSIG, New York, N. Y., assignor to Jersey Biscuit Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 26, 1923. Serial No. 664,888. 4 Claims. (Cl. 211—24.)



1. A folding display frame comprising a pair of end wires, each having an upright and a base portion extending approximately at right-angles to each other with an upturned portion at the end of the base portion, all of said portions lying in substantially a single plane, an upper cross member detachably connected to each of said upright portions at points relatively widely spaced, and a lower cross member detachably connected to the base portions, said end wires having no connection with each other other than said detachable cross members.

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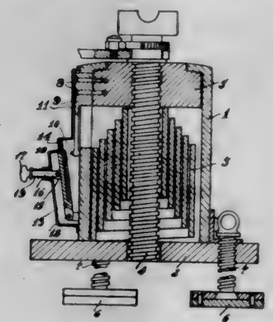
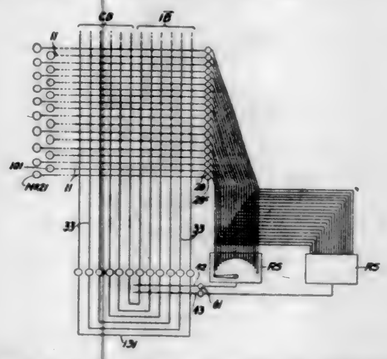
1,567,308. WEIGHING JACK FOR DETERMINING THE WHEEL PRESSURE OF VEHICLES. ABRAHAM VAN L. VAN DEN HEUVELL, Zwolle, Netherlands. Filed Nov. 17, 1922. Serial No. 601,640. 3 Claims. (Cl. 263—8.)



1. A weighing jack for determining the wheel pressure of vehicles, comprising, a movable head, a spring for supporting and for controlling movement of the head, a marking device movable with the head, a card holding device associated with the marking device, and means for causing the marking device to mark a card in the card holding device, the mark on the card indicating the wheel pressure of a vehicle supported by the movable head.

1,567,309. AUTOMATIC TELEPHONE SYSTEM. LEE R. WALLER, Westmount, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 17, 1923. Serial No. 669,102. 16 Claims. (Cl. 179—18.)



1. In an automatic telephone system, the combination of line bars, a first and second group of trunk bars associated with said line bars, subscribers' line circuits normally connected to said line bars, impulse senders in said line circuits, preselecting means for selectively associating one of said line bars with one of said first group trunk bars, and rotary switches operable under control of said senders for selectively connecting one of said second group trunk bars to another of said line bars for establishing telephone connections therebetween.

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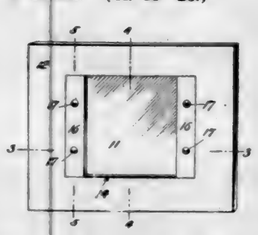
1,567,310. LANTERN SLIDE. FRANK A. WEEKS, Plainfield, N. J. Filed Apr. 6, 1921. Serial No. 459,075. 2 Claims. (Cl. 88—26.)



1. A lantern slide of the character hereinbefore described, comprising a thin flexible transparent picture-carrying film and a hard stiff non-frangible open frame holding and protecting said film, said frame having at its film-opening an inset seat for the film and said film having spaced apart initially formed openings in pairs in its opposite edges over said seat, cleats pressing the apertured end portions of the film against said seat and being flush with the adjacent outer surface of said frame and fasteners extending through said cleats and said openings and entering the body of the frame and securing said cleats and film rigidly in position, said fasteners in their portions which enter said openings being substantially less in diameter than the openings.

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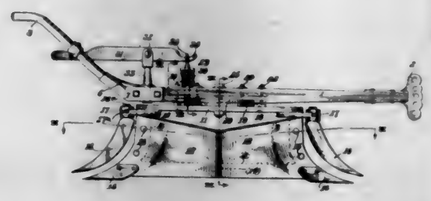
1,567,311. REVERSIBLE PLOW. STANISLAW WIELOUS, Sun, W. Va. Filed Oct. 7, 1922. Serial No. 592,996. 1 Claim. (Cl. 97—30.)

In a plow of the class described, a longitudinally extending upper rail bar having laterally extending ends terminating in downwardly bent portions forming standards, the lower ends of said standards being connected



by a longitudinally extending base rod forming a landside bar, a pair of oppositely directed plows each carried by a respective standard, a brace rod extending between the base rod and plows, a plow beam extending longitudinally over the top rail, a turntable ring fixed to the underside of the plow beam, a second turntable ring fixed to the top of the top rail and cooperating with the first ring, said rings having cooperating lock-



ing pin holes, a locking pin movable vertically through the plow beam and engageable with the ring openings, a collar on said pin above the beam and forming a stop to limit downward movement of the pin, an inverted U-shaped yoke carried by the plow beam and having a guide opening in its top for said pin, a spring surrounding the pin between the top of the yoke and the collar, and means to raise the pin against the tension of said spring.

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1,567,312. MANUFACTURE OF FORMAMIDE. RUDOLF WIETZEL, Ludwigshafen-on-the-Rhine, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed May 20, 1925. Serial No. 31,703. 6 Claims. (Cl. 260—124.)

1. The process of manufacturing formamide which consists in acting on alkyl formate with ammonia at a pressure exceeding atmospheric pressure.

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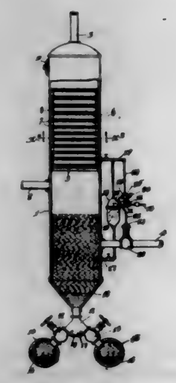
1,567,313. SEPARATOR FOR GAS, OIL, WATER, AND SAND. GEORGE A. WILSON, Huntington Beach, and ROBERT W. EDENS, Los Angeles, Calif. Filed Sept. 6, 1921. Serial No. 498,797. 4 Claims. (Cl. 183—2.7.)



1. In a device of the character described, a tank having a gas outlet communicating with its upper portion, an oil outlet communicating with its lower portion, and located at a level to withdraw only oil, and intermediate inlet for the oil, gas, and water, a plurality of sediment receptacles each communicating with the lower end of the tank, and valve means controlling communication between each receptacle and the tank.

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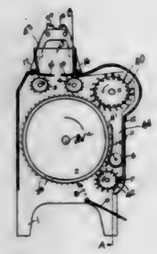
1,567,314. HULLER AND CLEANER FEEDER FOR COTTON GINS. CHARLES ROBERT WOOD, Memphis, Tenn. Filed Sept. 1, 1921. Serial No. 497,792. 8 Claims. (Cl. 19—35.)



1. A cotton cleaner comprising a casing, a drum journalled therein for rotation, feed rollers journalled above the drum, means for rotating the feed rollers intermittently and simultaneously, valves movably mounted above the rollers, and means for manually moving the valves simultaneously to vary and control the size of the delivery opening therebetween.

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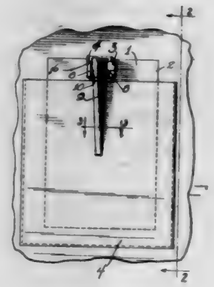
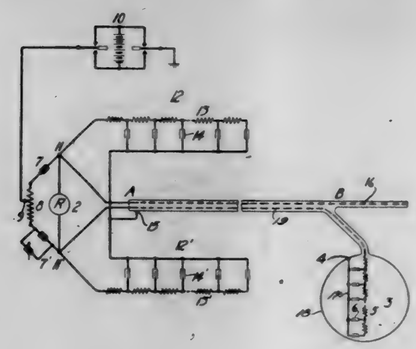
1,567,315. NOTE BOOK CLIP. ANTHONY ZAREMBA, Chicago, Ill. Filed Aug. 1, 1925. Serial No. 47,601. 1 Claim. (Cl. 24—3.)



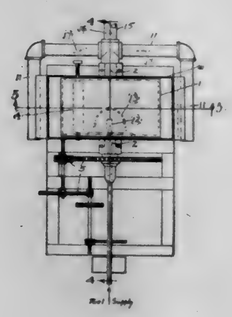
The combination with a note book having a cover, of a spring actuated gripping member, a body member associated with the gripping finger having an overlapped portion arranged for engaging with the horizontal edge of the note book when the gripping finger is in a vertical position, and having a further folded portion arranged for engagement with the vertical edge of the note book when the gripping finger is in a vertical position.

1,567,316. MEANS FOR REDUCING INTERFERENCE. OLIVER E. BUCKLEY, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 2, 1921. Serial No. 466,129. 14 Claims. (Cl. 128—63.)



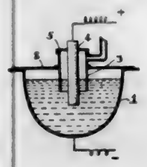
1. A duplex signaling system comprising a pair of conducting signaling paths, a receiver bridged across said paths, and a separate artificial line simulating distributed capacity and resistance connected to each side of the receiver in parallel with each path.

1,567,317. METHOD OF MAKING ANHYDROUS MAGNESIUM CHLORIDES. PAUL COTTRINGER and WILLIAM R. COLLINGS, Midland, Mich, assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Apr. 1, 1921. Serial No. 457,611. 4 Claims. (Cl. 23—91.)



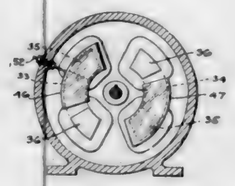
1. In a method of treating liquefiable chemical compounds, the steps which consist in bringing successive portions of the exterior cylindrical surface of an interiorly heated rotary drum into contact with a liquid body of such a compound, whereby a film of the latter is caused to adhere to such surface, simultaneously passing currents of gases of combustion having different degrees of heating intensity over the portions of such film lying on opposite sides of a vertical plane passing through the axis of such drum, and then removing such film.

1,567,318. METHOD OF MAKING METALLIC MAGNESIUM. PAUL COTTRINGER and SHELDON B. HEATH, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed May 21, 1923. Serial No. 640,344. 19 Claims. (Cl. 204—19.)



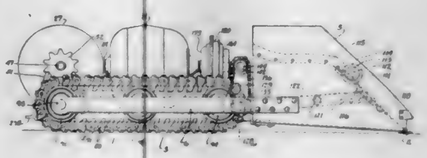
1. In the production of metallic magnesium, the steps which consist in electrolyzing a molten bath including magnesium chloride, and introducing more magnesium chloride into such bath adjacent the anode.

1,567,319. INDUCTION MOTOR. KENNETH DAVIS, St. Benedict, Pa., assignor to Rembrandt Peale, New York, N. Y. Filed Nov. 22, 1920. Serial No. 425,841. 12 Claims. (Cl. 172—278.)



1. An induction motor including in combination an inducing member with definite poles, a rotor having induced current carrying circuits, and a metal plate interposed in the gap between a pole piece and the rotor and covering the entire pole piece.

1,567,320. MACHINE FOR HANDLING AND TRANSPORTING LOOSE MATERIALS. KENNETH DAVIS, St. Benedict, Pa., assignor to Rembrandt Peale, St. Benedict, Pa. Filed July 13, 1922. Serial No. 574,613. 36 Claims. (Cl. 214—131.)



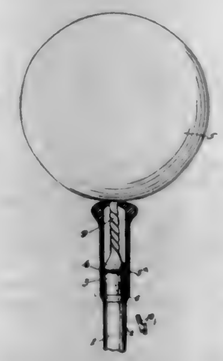
1. A material handling machine for use in thin coal seams including in combination a machine body, a traction tread at either side thereof, driving means engaging the treads, a shovel extending forwardly from the front of the body, a motor on the bed on substantially the same level with the shovel, a speed reduction and direction reversing gearing connected to the motor shaft and to the driving means for the treads, and means for discharging the load of material from the shovel.



1,567,321. THERMOMETER. ANDREW V. GROUPE, Philadelphia, Pa. Filed Dec. 13, 1923. Serial No. 680,378. 5 Claims. (Cl. 73—52.)

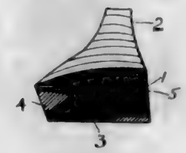
1. In a thermometer, a body portion formed of a single piece of pressed sheet metal and having a vertically extending panel and a base flange extending forwardly from the lower end thereof and having an opening therein and being provided with a downwardly directed tubular connecting member extending fixedly therefrom, the panel having a front surface in a vertical plane rearward of the axis of the tubular connecting member and in front of the rear portion of the inner surface of the wall of the member, a mercury tube in parallel contact with said surface and extending through said opening and through the central portion of the tubular connecting member, and means to connect the mercury tube to the panel.

1,567,322. CANE. PAUL JONES, Cincinnati, Ohio. Filed July 24, 1924. Serial No. 727,872. 2 Claims. (Cl. 135—47.)



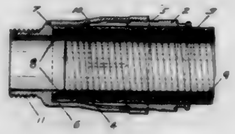
1. An article of manufacture comprising a cane or stick, having a shaft with a channeled end, adapted to receive the beaded mouth ring of an inflated balloon, a head in tubular form, adapted to fit over the shaft to conceal the channeled end thereof, said head projecting above the said shaft end to form a chamber for the deflated balloon, and having a mouth of less dimension than the chamber forming a narrow mouth to frictionally engage the walls of the inflated balloon and preventing the untwisting thereof, after inflation and imparting of an air retaining twist to the neck of the said balloon, and passageway means within the shaft communicating with the end thereof, for the purpose described.

1,567,323. GOLF CLUB. HARRY I. JORDAN, Auburn, Me., assignor to Lamino Manufacturing Company, a Corporation of Massachusetts. Filed Oct. 19, 1921. Serial No. 508,707. Renewed Mar. 14, 1925. 2 Claims. (Cl. 273—77.)



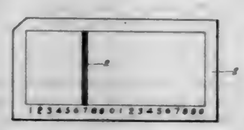
1. A golf club head having its playing face on one side, composed of wood veneer strips cemented and pressed together, a portion of said strips having their edges terminate in the said playing face of the club and having the grain of the wood also terminate in the said playing face.

1,567,324. HOSE COUPLING. ALBERT E. JURS, Oakland, Calif., assignor to The Threaded Products Company, a Copartnership consisting of Albert E. Jurs and Reginald C. Shand, both of Oakland, Calif. Filed July 24, 1923. Serial No. 653,492. 5 Claims. (Cl. 285—86.)



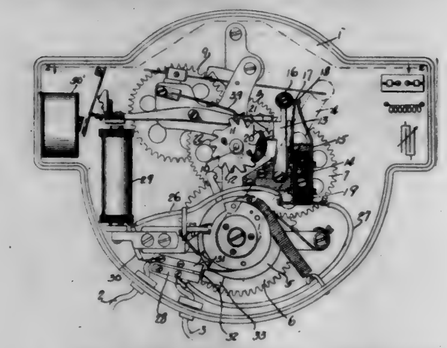
1. A coupling for attachment to a hose comprising a sleeve having spring fingers thereon engaging said hose, whereby a pressure is maintained thereon, and a clamp member having a groove at one end adapted to receive the end of said hose and at the other end to engage said sleeve and having a tapered bore intermediate said ends engaging said spring fingers, whereby a movement of said clamp member to assemble said coupling, forces the spring fingers into the hose and forces the end of the hose into the groove.

1,567,325. RECORD FOR ACCOUNTING SYSTEMS. WILLIAM W. LASKER, Jr., Brooklyn, N. Y. Filed Oct. 1, 1921. Serial No. 504,817. 7 Claims. (Cl. 283—19.)



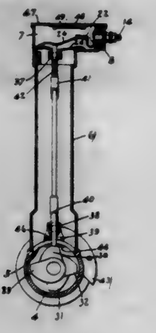
1. A document adapted to be sorted and tabulated in accordance with a record formed by electrical conducting and insulating portions disposed on the surface of same.

1,567,326. FIRE-ALARM-SIGNAL-TRANSMITTING APPARATUS. ALEXANDER PALMER LOPER, Stonington, Conn. Filed Dec. 14, 1921. Serial No. 522,302. 2 Claims. (Cl. 177—361.)



1. A signal transmitting apparatus, which comprises means for transmitting signals over a metallic circuit, means for transmitting wireless signals of a definite characteristic, means actuated by the movement of the first means for actuating the second means, means for locking the first means when the metallic line is being used by another signal apparatus, and means associated with said locking means and moved thereby to vary the characteristic of the wireless signals when the transmission of signals over the metallic line is being arrested.

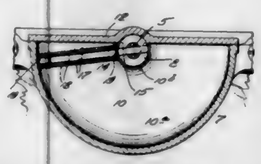
1,567,327. TIMER. VIRGIL H. MATHES, Indianapolis, Ind. Filed Jan. 16, 1922. Serial No. 529,705. 6 Claims. (Cl. 200—27.)



2. In a timer, the combination with a cam having a plurality of cam faces, of a plurality of circuit forming contacts, a plurality of longitudinally movable plungers operable by said cam for intermittently forming circuits through said contacts, and means for shifting the position of the lower ends of said plungers for advancing or retarding contact with the cam faces.

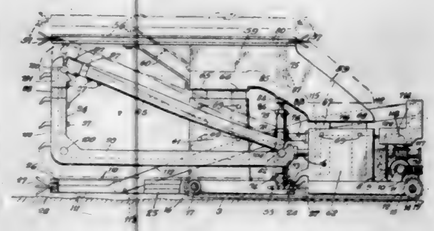
1,567,328. MOTOR FOR WINDSHIELD CLEANERS. JOHN R. OISHEI, Buffalo, N. Y. Filed Apr. 8, 1922. Serial No. 550,588. 11 Claims. (Cl. 121—97.)

1. In a fluid pressure motor adapted for operating windshield cleaners and the like, the combination of a pressure chamber having inner and outer concentric, segmental-circular walls of different radii, a vane arranged to oscillate in said chamber about the axis of said walls and having its inner and outer ends conforming in shape to and slidably contacting with said walls, said vane including spaced substantially parallel plates and packing members having flexible edge portions extending inwardly beyond said plates and towards each other, the edges of one packing member engaging the edges of the opposite packing member in line with the space between said plates, and means for causing said vane to oscillate in said chamber.



10. In a fluid pressure motor having a pressure oscillable in an arc of a circle, a segmental-circular pressure chamber therefor, a rock shaft on which said vane is mounted, and a pair of valves and fluid pressure connections for causing a preponderance of fluid pressure in the piston chamber alternately on the faces of the vane for causing oscillations of the vane, the combination of a pivoted rocker for shifting said valves, said rocker having an actuating arm, a spring connected at one end to said rocker actuating arm and extending across the pivot of said rocker, the other end of said spring being adapted to be moved first to one side and then to the other side of the pivot of said rocker, and means fixed on a portion of said rock shaft for shifting said other end of the spring to one side or the other of the pivotal axis of said rocker.

1,567,329. COAL-MINING MACHINE. RICHARD PEALE, St. Benedict, Pa., assignor to Rembrandt Peale, St. Benedict, Pa. Filed July 29, 1918. Serial No. 247,212. 57 Claims. (Cl. 262—5.)



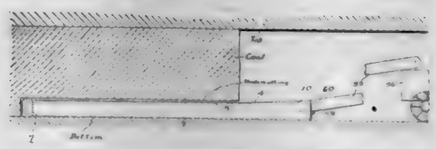
1. A coal mining machine including in combination a horizontal top chain kerf cutter, a horizontal bottom chain kerf cutter, vertical chain kerf cutters at either side, a platform extending rearwardly of the cutter chain frames, a motor mounted on said platform, a caterpillar tread for traveling the machine, located at the rear of the machine beneath the platform and of less width than the cutters, and driving connections from the motor to said cutters and to said tread.

1,567,330. COAL CONVEYER AND CONVEYING SYSTEM. RICHARD PEALE, St. Benedict, Pa., assignor to Rembrandt Peale, St. Benedict, Pa. Filed Jan. 13, 1919. Serial No. 270,909. 49 Claims. (Cl. 198—92.)

1. A coal conveying mechanism adapted to be placed in an undercut kerf to receive the undercut coal when dislodged, including in combination, a plurality of very thin and flat cooperating conveyer units lying horizontally on the mine floor and adapted to be slid into the undercutting and having conveying devices arranged



substantially on the same level and one of said conveying devices discharging the dislodged coal to another of said conveying devices.

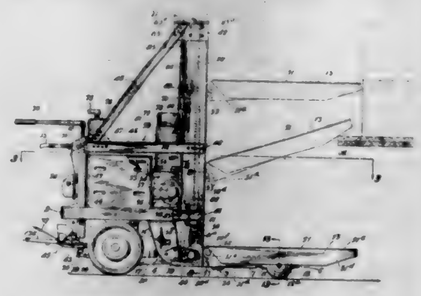


4. A coal conveying mechanism adapted to be placed in an undercut kerf to receive the undercut coal when dislodged, including in combination, a plurality of very thin and flat cooperating conveyer units lying horizontally on the mine floor and adapted to be slid into the undercutting and having continuously forwardly traveling conveying devices arranged substantially on the same level, said conveying device of one unit moving in a transverse direction with respect to the conveying device of another unit and discharging the dislodged coal to said conveying device of said other unit.

32. A conveyer mechanism including in combination a plurality of connected flat conveyer units each having an upper reach directly above its corresponding lower reach, adapted to move together into an undercut kerf in a mine, a motor driving selectively one or more of the conveyers, and means operated by the motor and mounted on one or more of said units for moving the conveyer mechanism into the undercutting.

33. A conveyer unit consisting of a plurality of separable side by side frames, each with an endless conveyer, the upper reach of which is directly above its corresponding lower reach, the several conveyers running in abutting contiguity, and connections for driving the several conveyers together.

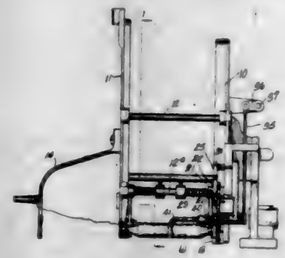
1,567,331. INDUSTRIAL TRUCK. EDWARD H. REMDE, Cleveland, Ohio, assignor to The Baker R. & L. Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 14, 1922. Serial No. 552,780. 13 Claims. (Cl. 187—11.)



5. In apparatus of the class described, the combination of a truck frame comprising a main section and a drop section disposed in a plane below said main section, wheels for supporting said frame, means for driving certain of said wheels, a pair of vertical guides disposed adjacent the inner ends of said main and drop sections, an elevating member normally disposed on said drop section and provided at its inner end with shoes engaging said guides, and means for raising and lowering said member, said means comprising a motor and a drum driven thereby and flexible elements connected to said member between said guides and suspended and operating from a point on the latter vertically above their connection with said member.



1,567,332. WEFT-CARRIER SUPPORT AND RELEASING DEVICE. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 2, 1923. Serial No. 616,465. 6 Claims. (Cl. 139—251.)



1. In a weft replenishing loom, a weft carrier magazine and means to support a weft carrier in transfer position therein and to release said weft carrier from such position, said supporting means comprising devices engaging said weft carrier at separated points on the rear side thereof removed from the tip portion, and means additional to the weft carrier to move said devices positively and simultaneously rearward from supporting position.

1,567,333. PROCESS FOR PRODUCING REPRODUCTION MEANS FOR BOOK PRINTING AND THE LIKE. DAVID SCHARSCHAWSKY, Bern, Switzerland, assignor to the Firm: Polygraphische Gesellschaft, Laupen-Bern, Switzerland. Filed Oct. 29, 1923. Serial No. 671,477. 36 Claims. (Cl. 41—41.5.)

1. In a process for producing a reproducing means, the steps of placing a developed silver colloid layer onto a platen, and thereupon treating said layer with a tanning agent.

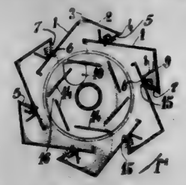
1,567,334. MOWING MACHINE. HEINRICH SCHIEFERSTEIN, Berlin-Charlottenburg, Germany. Filed Mar. 1, 1923. Serial No. 622,161. 12 Claims. (Cl. 74—48.)

5. In a mowing machine, a relatively stationary member, a spring secured to said member, a reciprocable mower knife connected with said spring, a crank, and a resilient driving connection between the crank and spring.

1,567,335. ROTARY DRYING APPARATUS. PAUL SCRIVE, Paris, France. Filed Jan. 12, 1924. Serial No. 685,855. 3 Claims. (Cl. 34—6.)

1. In a rotary drying apparatus having an inclined axis for pulverulent materials, a drum constituted by the assemblage of several longitudinal buckles, the concavi-

ties of which are turned inwardly, the said buckets being arranged in a geometrically similar manner relatively to the axis of the drum, and providing between them



equal intervals, longitudinal plates obturating the said intervals, these plates being perforated on a portion of their width.

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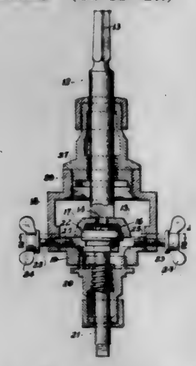
1,567,336. VALVE-RESEATING TOOL. IRA CLAYTON SHAW, Indiana, Pa., assignor of one-half to Lynn M. Kelly, Indiana, Pa. Filed June 11, 1924. Serial No. 719,400. 5 Claims. (Cl. 51—27.)



1. In a tool of the character described, the combination of a cage having internally threaded means at its lower end for receiving the threaded end of a valve hood with the valve disposed within the cage, means extending through the sides of the cage for clamping the valve head against rotation, a tool stem having a valve grinding head at its lower end, and means at the upper end of the cage for rotatably supporting and grinding the stem with the grinding head in contact with the valve.

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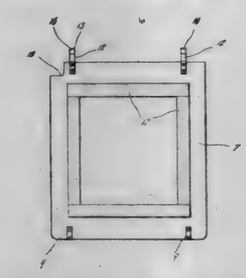
1,567,337. AUTOMOBILE DOOR SIGN. PAUL SIEVER, Minneapolis, Minn. Filed May 14, 1925. Serial No. 30,321. 1 Claim. (Cl. 40—125.)



A device of the character described comprising a sign panel to be applied to the door of an automobile, hooks connected to the lower edge portion of the panel to engage upwardly with the lower end of the automobile door, and resilient hooks connected to the upper edge portion of the panel and adapted to be sprung upwardly so as to pass over a cross member of the door and then engage behind said member for holding the panel in place against the door.

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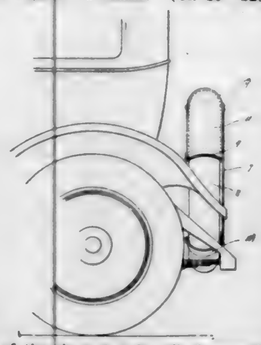
1,567,338. SPARE-TIRE SIGN AND PROTECTOR. PAUL SIEVER, Minneapolis, Minn. Filed May 14, 1925. Serial No. 30,322. 1 Claim. (Cl. 40—129.)



A device of the character described comprising a panel to be disposed across a spare tire, upper and lower curved leaf springs connected to the panel to engage across the tread of the tire at the upper and lower portions of the tire and holding the panel in place against the tire, and a transversely and longitudinally convexed tire cover mounted on and carried by the upper leaf springs to be applied over the upper portion of the tire when the panel is applied to the tire.

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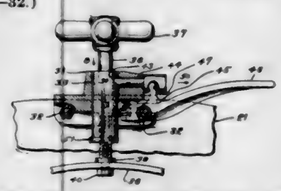
1,567,339. WRINGER. GEORGE SLIDER, Baltimore, Md. Filed Nov. 12, 1921. Serial No. 514,515. 1 Claim. (Cl. 68—32.)



In a wringer, the combination with rolls having pintles and bearing blocks for said pintles, of a hollow frame for supporting said bearing blocks, a nut guide secured to said frame, a nut slidably mounted in said guide, a spring for producing pressure of one roll upon the other, a screw threaded in said nut for varying said pressure and a pin slidably mounted in said guide and entering a hole in said nut for locking said nut in fixed relation to said guide.

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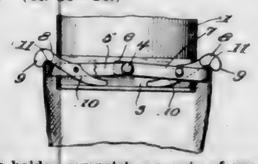
1,567,340. SACK HOLDER. JOHN W. STARK, Kensington, Minn. Filed July 27, 1925. Serial No. 46,413. 3 Claims. (Cl. 83—26.)



1. A sack holder comprising a pair of supporting members, a pair of sack engaging members pivoted to each supporting member and extending in opposite directions and a holding dog pivoted to each sack engaging member intermediate the ends of such member.



1,567,341. HOLE-CUTTING TOOL. MARTIN J. SWANSON, Bradford, Pa., assignor to Fred W. Wagner, Bradford, Pa. Filed Mar. 24, 1924. Serial No. 701,494. 2 Claims. (Cl. 145—31.)

2. A hole boring tool comprising a nonflexible elongated shank having a uniform taper from one end to the other, a handle at the large end of the shank, said shank having a flat bottom side constituting the active face thereof, the side walls of the shank converging toward the top and said top being rounded, obliquely arranged transverse cutting teeth formed in the flat bottom side of the shank, said teeth having their perpendicular walls undercut, the side walls flaring out toward the flat bottom side causing the points of the teeth to project at each side, and a V-shaped point formed at the small end of the shank and having an inclined flat side provided with cutting edges to initially penetrate the wood, said point being bent inwardly toward the side having the teeth and having the back beveled to the point.

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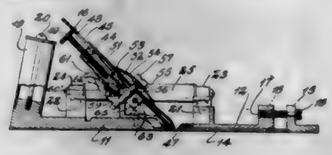
1,567,342. PLANE. JOHN SZAKO, New York, N. Y. Filed Apr. 4, 1924. Serial No. 704,160. 6 Claims. (Cl. 145—11.)



5. A bench plane bit clamping means comprising a bed, a blade, a spring plate having a central screw-threaded aperture, a locking bolt having a threaded portion engaging said threaded aperture, said bolt extending through said blade and bed and having a slot in its lower end, a pawl pivoted to the under side of said bed, and a finger carried by said pawl adapted to engage the slot in said bolt for locking the parts in their adjusted positions.

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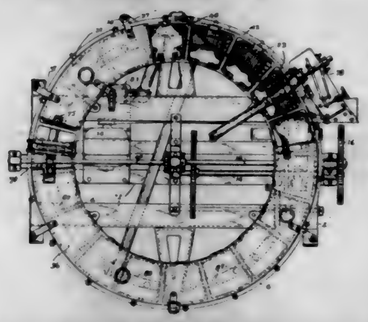
1,567,343. BAKING MACHINE. CARL R. TAYLOR, Cleveland, Ohio. Filed Mar. 29, 1922. Serial No. 547,886. 21 Claims. (Cl. 107—58.)



18. In a machine of the class described, a rotary table, a plurality of baking units mounted on said table between radial webs, a heating element disposed beneath said units, said units comprising a middle plate having a chamber therethrough and upper and lower leaves cooperating with said middle plate and forming therewith cake receiving compartments, said middle plate having an overhanging projection at one side thereof to direct gases through said chamber and having an overhanging projection on the other side thereof, said projections substantially filling the space between the adjacent radial webs to prevent escape of hot gases except through said chamber.

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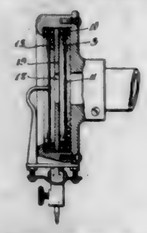
1,567,344. SOUND REPRODUCER. GEORGE C. TICHENOR, Los Angeles, Calif. Filed July 31, 1922. Serial No. 578,599. 1 Claim. (Cl. 274—27.)



In a sound producing device, the combination of a container, a diaphragm rigidly mounted therein, a stiff sound restricting member rigidly mounted adjacent thereto and having a single central aperture through which the vibrations of the producing diaphragm are emitted, and a clarifying diaphragm having a single aperture alined with and of equal diameter to the first of said apertures, and adapted to absorb vibrations of the sound producing diaphragm.

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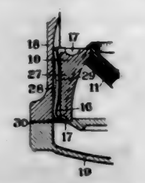
1,567,345. METER. JAMES A. TILDEN, Boston, Mass. Filed June 8, 1923. Serial No. 644,270. 5 Claims. (Cl. 73—98.)



2. A meter comprising an outer casing provided with inlet and outlet-ports, an inner chamber having a port to register with one of those in the casing, and a member situated between the casing and chamber and arranged both to force the ports of the inner and outer casings into co-operation and to lock and positively retain the casings against relative rotation.

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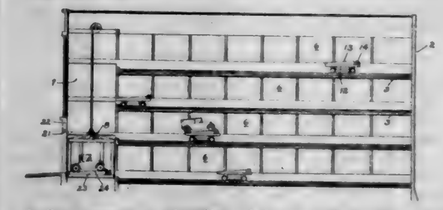
1,567,346. GARAGE. MURRAY C. TUNISON and SAMUEL J. NUNN, Los Angeles, Calif., assignors to Nunn & Tunison, a Firm composed of said Tunison and Nunn. Filed July 26, 1923. Serial No. 653,874. 7 Claims. (Cl. 214—16.)



1. In a garage, a plurality of floors each having a row of stalls at different sides of a passage, an elevator communicating with said passage, trucks associated with

the respective floors and movable horizontally from one end of said passage, revoluble platforms mounted on the elevator and trucks, and power operated means exclusive of the automobile for drawing an automobile on one of said platforms.

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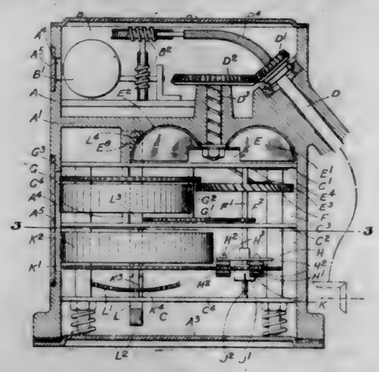
1,567,347. GRADOMETER. ROBERT AERNOUT BARON VAN LYNDEN, London, England. Filed Nov. 22, 1923. Serial No. 676,422. 11 Claims. (Cl. 33—220.)



1. In a gradient meter mounted on a moving body, the combination of a gravity-actuated gradient indicator, a member adapted to be rotated at a speed proportional to that of the moving body, and means for causing the rotation of said member to give corrections for errors due to the inertia of the gravity-actuated indicator.

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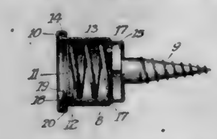
1,567,348. SOCKET FOR CURTAIN FASTENERS. JOHN VODICKA, Chicago, Ill., assignor, by mesne assignments, to Cinch Manufacturing Corporation, Chicago, Ill., a Corporation of Illinois. Filed Jan. 16, 1924. Serial No. 686,586. 2 Claims. (Cl. 24—211.)



1. A socket for curtain fasteners of the class described comprising a cup having an outer flange at its mouth angular in outline, an annular member of similar angular periphery fitting over and embracing the flange and having an inwardly projecting lip, the cup being formed adjacent its bottom with a portion angular in transverse section, a screw, the shank of which projects axially through the bottom of the cup, the head of the screw being angular in outline to fit closely within the angular bottom portion of the cup, a plate closing against the lip of said angular member and a spring interposed between the plate and the bottom of the cup.

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1,567,349. WATER COCK. HEINRICH WEBER, Feuerbach-Stuttgart, Germany. Filed May 5, 1925. Serial No. 28,128. 8 Claims. (Cl. 277—27.)

2. A water cock comprising a discharge branch pipe; a cut-off member in said pipe, said member comprising a plurality of passages for the water, an interrupted flange at the lower-end, and a packing disc at the upper end; and a discharge nozzle adapted for connection to the branch pipe and adapted to actuate said member by means of said flange.

8. A water-cock comprising a cut-off valve, a cut-off member having a hollow interior and disposed in axial alignment with the cut-off valve and in the bore of a water-discharge pipe common to both the said valve

and cut-off member, a partition disposed at the upper end of the cutoff member and having through-way passages communicating with the interior of the cut-off member and means to effect axial displacement of the cut-off member in order to displace the cut-off valve.

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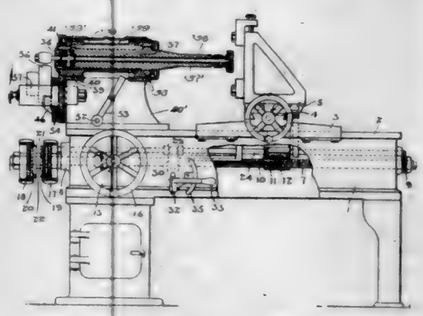
1,567,350. CYLINDER-GRINDING MACHINE. ROY HARRISON WEBBER, Toronto, Ontario, Canada. Filed Jan. 23, 1922. Serial No. 531,192. 5 Claims. (Cl. 51—90.)



1. A grinding machine, comprising, a bed, a carriage movable longitudinally on said bed, a sleeve rotatable in the head end of the machine, a grinder spindle eccentrically mounted in said sleeve, a spur gear mounted on said sleeve, a spur gear ring meshing with said spur gear, an expansible sheave arranged within said spur gear ring and adapted to grip said ring, means for rotating said sheave, and means for moving said carriage longitudinally.

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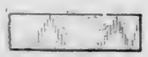
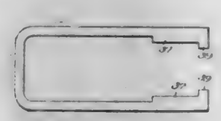
1,567,351. METHOD OF FORMING PULL-ROD JAWS. LOREN L. WHITNEY, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed July 5, 1924. Serial No. 724,241. 3 Claims. (Cl. 29—164.)



1. The method of forming jaws or the like which comprises reducing the depth of one end of each of a pair of strips of metal offsetting the strips at the opposite end, heating the offset ends, placing the offset ends together, the reduced portions being spaced apart, welding the offset ends together and reducing same to form a relatively large intermediate pivot portion.



1,567,352. METHOD OF FORMING DRAWBAR YOKES. LOREN L. WHITNEY, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed July 14, 1924. Serial No. 725,764. 1 Claim. (Cl. 29—167.)



The method of forming draw bar yokes or the like which comprises heating an end of a blank, placing said end in a die recess of given depth and upsetting said end to thicken it, then placing said end in another die recess of greater depth and upsetting said end to increase the thickness, then placing said end in another recess having an offset portion and upsetting said end to form a lip thereon, similarly treating the other end of the blank, and bending the blank into U-shape.

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1,567,353. METHOD OF FORMING BRAKE LEVERS. LOREN L. WHITNEY, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed July 14, 1924. Serial No. 725,766. 2 Claims. (Cl. 29—164.)

1. The method of forming a brake lever or the like, which comprises hammering a blank to form the body and connecting portions of the lever, forging one end to form trunnions thereon, and sawing from the trunnions excess metal from the forging operation.

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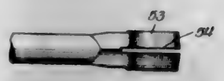
1,567,354. METHOD OF FORGING DOUBLE JAWS. LOREN L. WHITNEY, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed July 14, 1924. Serial No. 725,768. 5 Claims. (Cl. 29—164.)



1. The method of forming double jaws or the like, which comprises forming jaws on one end of a blank, and supporting said jaws by a mandrel and die recesses while forming jaws upon the opposite end of the blank whereby deformation of the first formed jaws is prevented.

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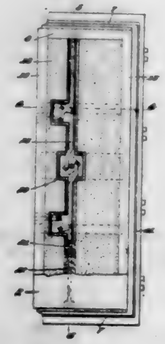
1,567,355. SAFE-DOOR STRUCTURE. CLIFFORD G. CARLSON, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y., a Corporation of Massachusetts. Filed Sept. 9, 1920. Serial No. 409,205. 2 Claims. (Cl. 109—2.)

1. A safe door comprising an outer plate having its edge portions bent laterally form the same side, molding strips attached to the bent edge portions of the plate, nailing strips secured to the molding strips, insulating material occupying the space defined by the molding, strips and the nailing strips, and insulating material having a depression formed therein for reception of the bolt or lock mechanism, supporting means embedded in



the insulating material and having connection with the nailing strips and an inner plate attached to the nailing strips.

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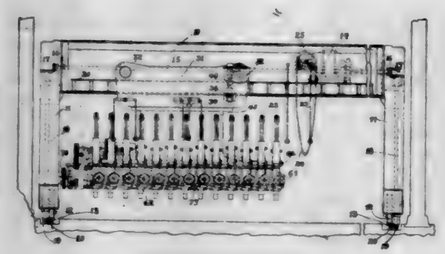
1,567,356. MULTIPLE DRILL. LYNDON C. COLE, OTTO PABST, and CARL MAY, Hamilton, Ohio, assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 26, 1922. Serial No. 609,112. 8 Claims. (Cl. 77—22.)



1. In a machine of the class described, the combination of an elongated support, a carriage supported thereon for movement therealong, a member supported by and extending below the carriage, a guide-rail on said member, a plurality of drill spindles supported for individual adjustment on said guide-rail, means for securing the spindles in adjusted position, and power operated means for moving the carriage on its support and for swiveling the said member about a vertical axis.

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1,567,357. CABINET FIXTURE. EARL W. CUMMINGS, Santa Barbara, Calif., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif., a Corporation of California. Filed Oct. 7, 1924. Serial No. 742,149. 3 Claims. (Cl. 45—51.)

2. A fixture comprising a wall frame cabinet a service board pivotally mounted at one end therein for swinging downwardly from a collapsed vertical position to an extended horizontal position, an arm on said service

board within the cabinet, an outwardly movable back for the board linked to the cabinet, and a strut for the

board pivoted to the cabinet, both the said back and strut being pivotally connected to said arm for actuation thereby upon extending the board.

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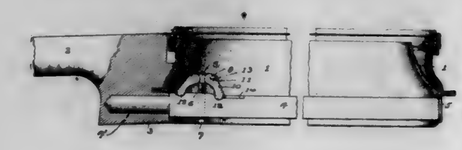
1,567,358. **NECK ATTACHMENT FOR BANJOS AND THE LIKE.** ROBERT C. DANLY, Chicago, Ill., assignor to Ludwig & Ludwig, Inc., Chicago, Ill., a Corporation of Illinois. Filed Dec. 24, 1924. Serial No. 757,817. 5 Claims. (Cl. 84—293.)



5. In a banjo or like musical instrument, the combination of a body member, a neck member for the same formed for contact with the side of the body member and having a fixed brace bar extending across the body member, an operating screw shaft journalled in said bar, a wing nut having screw thread engagement with said shaft, and a pair of complementary toggle links pivotally connected to the wings of said nut with the free end of one link having abutment against the body member and the free end of the other link having abutment on the brace bar aforesaid, each of said links having lateral flanges at its ends for guiding engagement with the brace bar, and for pivotal connection with the wing nut aforesaid.

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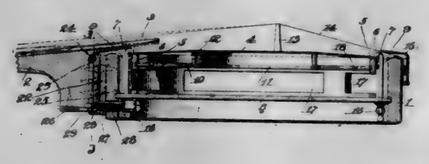
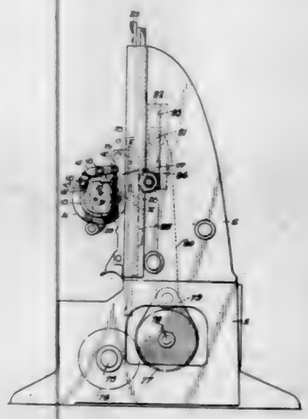
1,567,359. **NECK FOR BANJOS AND THE LIKE MUSICAL INSTRUMENTS.** WILLIAM H. DE WICK, Brooklyn, N. Y. Filed Sept. 19, 1922. Serial No. 589,058. 6 Claims. (Cl. 84—293.)



2. A musical instrument of the character described, comprising a body, a member secured to the outside of the body, a plate pivoted to the member, a neck rigidly secured to the plate, means for pivoting the plate relatively to the member, said means acting to lock the member against movement.

1,567,360. **CYLINDER-CONTROL MECHANISM.** EDWARD F. DUDLEY, Oak Park, and BURT D. STEVENS, Evanston, Ill., assignors to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1922. Serial No. 546,566. 16 Claims. (Cl. 101—285.)



1. In a printing press, the combination of a cylinder, means for rotating same, means for connecting said cylinder and its rotary driving means, and means for holding said cylinder against rotation and disconnecting said cylinder from its rotary driving means, said connecting means and holding means being operable on each other to make same effective and ineffective.

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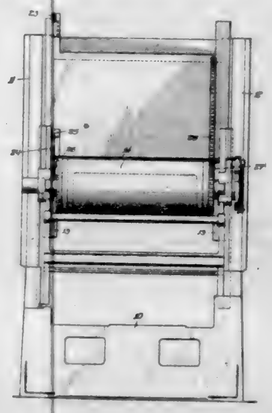
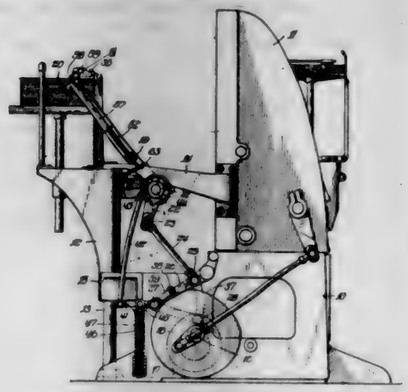
1,567,361. **CYLINDER-CONTROL MECHANISM.** EDWARD F. DUDLEY, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1922. Serial No. 546,607. 12 Claims. (Cl. 101—285.)



1. In a printing press, the combination of a cylinder, means for rotating said cylinder, and means whereby the rotative movement of said cylinder depends upon the proper registration of a sheet of material relative to said cylinder.



1,567,362. **PRINTING-PRESS MECHANISM.** EDWARD F. DUDLEY, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 22, 1922. Serial No. 555,952. 11 Claims. (Cl. 101—279.)



1. In a printing press, the combination of two pivotally connected frame members, a shaft carried by one of said frame members, cooperating rockably mounted clutch members, one carried by each on said frame members and one carried by said shaft, a feeder arm secured to said shaft and movable with one of said frame members and through said shaft secured to one of said clutch members, and driving means for said feeder arm carried by the other frame member and operatively connected to said other clutch member, said feeder arm and its driving mechanism being releasably connected through said clutch members whereby said feeder arm may be moved out of operative association with its driving means when one frame member is moved with respect to the other.

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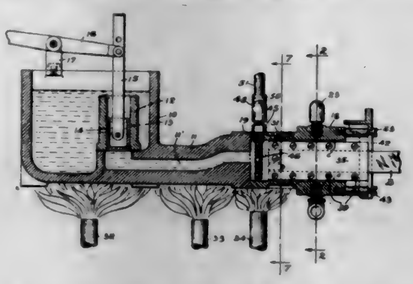
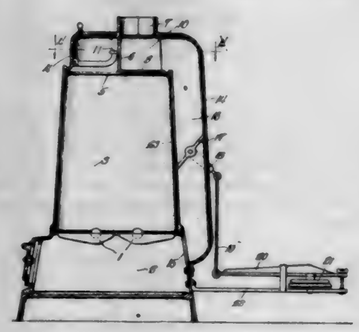
1,567,363. **FORMING CONTINUOUS SOFT-METAL BARS FROM MOLTEN METAL.** BENJAMIN S. ELROD and WILLIAM HECTOR, Omaha, Nebr., assignors, by mesne assignments, to Omaha Trust Company, trustee, a Corporation of Nebraska. Filed Oct. 14, 1920. Serial No. 416,904. 17 Claims. (Cl. 207—1.)



4. In a mechanism of the class described, a die body having a continuous longitudinal channel through it, means connected with said die-body for delivering molten metal to one end of said channel, means for cooling the die to solidify the metal during its passage through the channel, and a central partition in the die-channel extending from the cooled portion thereof to a point at which the metal is constantly molten, whereby to divide the molten stream and cool the same into separate bars.

1,567,364. **BROODER STOVE.** HUGH L. GADDIS, Macomb, Ill., assignor to American Steel Products Co., Macomb, Ill., a Corporation of Illinois. Filed May 10, 1924. Serial No. 712,229. 6 Claims. (Cl. 126—58.)



1. The combination with a stove having an ashpit below its combustion chamber, of a flue chamber connected to and overhanging the upper portion of the said combustion chamber, a flue pipe leading from the flue chamber, and an air by-pass duct leading from the ashpit to the flue chamber, the flue chamber having a bottom disposed under the lower end of the flue pipe and having a lateral opening also below the flue pipe and to which the said duct is connected, and means responsive to the temperature outside the stove for controlling the duct.

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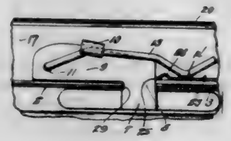
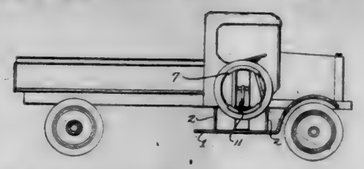
1,567,365. **LAMP CONSTRUCTION.** CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Mar. 25, 1925. Serial No. 18,107. 6 Claims. (Cl. 240—41.)



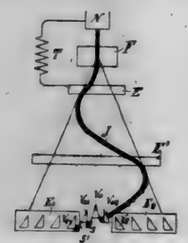
1. In a lamp, a reflector having a laterally directed flange at its mouth, a forwardly open body housing and supporting the reflector, a spring support secured to the body and having a portion thereof disposed forwardly of the said flange; a wire spring detachably carried by the said portion of the spring support and having a part adapted to engage the flange of the reflector, the spring being also adapted to have its flange-engaging parts swung radially outward of the reflector by a corresponding flexing of the spring, so as to clear the flange and permit the removal of the reflector; the spring support and the spring having interengaging portions preventing a bodily movement of the spring radially outward of the lamp; and a lens-carrying ring having a portion adapted to be slid between the reflector flange and the said engaging portion of the spring upon rotation of the lens-carrying ring with respect to the body, so as to cause the spring to lock the ring to the body.

1,567,366. TIRE CARRIER. WALTER R. GREEN, Chicago, Ill. Filed July 14, 1924. Serial No. 725,806. 4 Claims. (Cl. 224—29.)



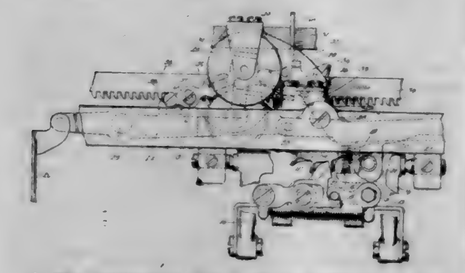
4. In a tire carrier, a channel member, a shoe secured upon one end of the channel member, a second shoe having parallel arms slidably positioned in said channel member, an operating member connected to said channel member, a link connecting said second shoe and operating member, and means for locking said operating member to said link.

1,567,367. ELECTRIC JET-WAVE COMMUTATOR AND INTERRUPTER. JULIUS FREDERIK GEORG POUL HARTMANN, Copenhagen, Denmark. Filed May 19, 1925. Serial No. 31,351. 9 Claims. (Cl. 175—363.)



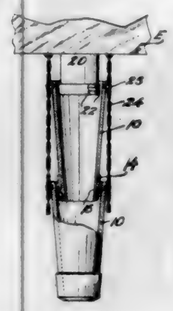
1. In an electric jet-wave apparatus the combination of means for producing a conductive jet-wave, and a sharp-edged member of conductive material adapted to cut the bends of said jet-wave, said conductive member being so shaped and positioned that the interruption of an electric current passed through said jet-wave takes place between the jet-wave and a part of the said conductive member distant from its sharp edge which is thus screened from the corrosive action of the interruption-sparks.

1,567,368. CARRIAGE BRAKE FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Apr. 2, 1923. Serial No. 629,272. Renewed May 25, 1925. 11 Claims. (Cl. 197—64.)



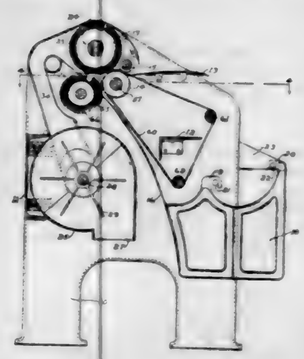
1. The combination with a platen carriage rack, of an escapement wheel for controlling said rack, a platen carriage brake, means for connecting said brake with said rack independently of said escapement wheel and while said rack is in operative connection with said escapement wheel, a dog for controlling said escapement wheel, and means for releasing said escapement wheel from said dog subsequent to connection of said brake with said track.

1,567,369. GLASS LOADING SPOUT FOR GRAIN ELEVATORS. HIRAM C. HOLST, Genoa, Colo. Filed Oct. 9, 1922. Serial No. 593,238. 6 Claims. (Cl. 193—28.)



1. A hollow grain spout section having a body of tough glass and a protecting band on one end thereof.

1,567,370. NAP-BRUSHING MACHINE. JOSEPH HUEBSCH, Milwaukee, Wis. Filed Dec. 31, 1923. Serial No. 683,607. 9 Claims. (Cl. 26—37.)



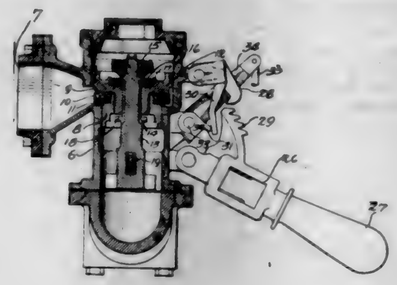
1. A nap brushing machine comprising a pair of feed rolls, one of said rolls having an inclined wire surface and the other of said rolls a resilient surface, a rotating brush adapted to engage a blanket as it passes over the incline wire surface, the projections on said inclined wire surface extending in the opposite direction to the movement of said surface.

1,567,371. AUTOMATIC VALVE FOR WASHING MACHINES. JOSEPH HUEBSCH, Milwaukee, Wis. Filed Jan. 12, 1925. Serial No. 1,783. 11 Claims. (Cl. 137—68.)

1. In a device of the class described the combination with a washing machine and a float chamber connected thereto of a float in said chamber, valves for controlling the fluid supplied to said washing machine, a stem in each of said valves, a shaft extending through the side

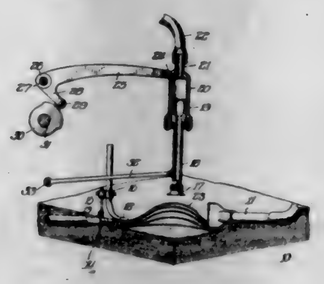


of the valve casing, an arm rigidly engaged on said shaft inside of said casing, said arm being adapted to actuate said stem, an arm rigidly engaged on said shaft outside of said casing, a lever operable in a plane normal to said outside arm having a handle and slot therein, said slot being adapted to engage said outside arm to actuate the same and cause the valve to be opened.



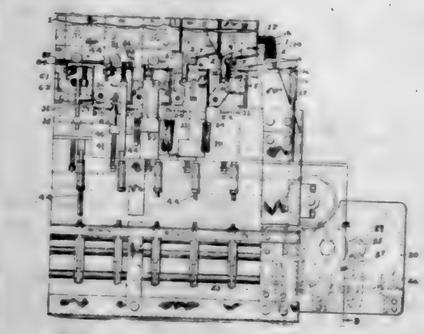
10. In a device of the class described, a casing, a vertical valve in said casing, an auxiliary valve in said valve adapted to be opened prior to the opening of said valve and to be closed prior to the closing of said valve, means for opening said auxiliary and said main valves, locking means therefor adapted to hold said opening means in adjusted open position, means for releasing said locking means for causing said opening means to actuate said valves to closed position.

1,567,372. SHEET-SEPARATING MECHANISM. ARTHUR G. JACOBSON, Chicago, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 15, 1922. Serial No. 588,340. 6 Claims. (Cl. 271—20.)



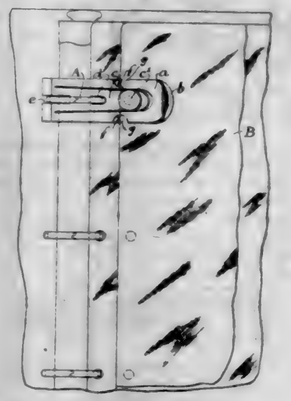
1. In mechanism for separating sheet material in a pile, the combination of means for fluffing sheet material in a pile, and suction gripper means comprising a plurality of relatively movable parts whereby when one of said parts grips the top sheet of material it recedes with said sheet regardless of the movement of the other relatively movable part, whereby separation of the top sheet from the second sheet is maintained.

1,567,373. MACHINE FOR HEATING METAL STOCK. ERNEST S. JEFFERIES, Hamilton, Ontario, Canada, assignor of one-third to Ebenezer A. W. Jefferies, Worcester, Mass. Filed July 31, 1922. Serial No. 578,836. 32 Claims. (Cl. 219—11.)



1. In a machine of the class described, containing means for pieces of stock, a plurality of pairs of electrical contacts, and means for automatically moving pieces of stock in succession from said containing means to positions between different pairs of contacts.

1,567,374. DEVICE FOR PERFORATING THE LEAVES OF LOOSE-LEAF BOOKS AND OTHER PAPERS TO BE FILED. JAMES ADAMS KEENE, London, England. Filed June 30, 1924. Serial No. 723,136. 2 Claims. (Cl. 129—7.)

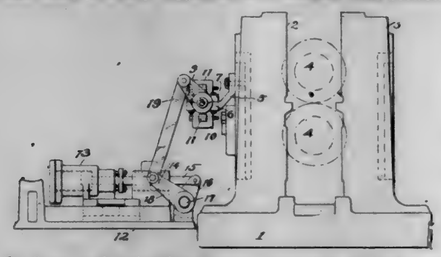


1. A device of the kind described, comprising a pair of leaf-embracing strips connected together at one end, a spring strip connected with said pair of strips, and provided with a punch, said device being provided with registering cutaway portions at separated points to engage the filing wire of a loose leaf book, and hold the said device from turning while sheets are being punched therefor.

1,567,375. BAR-SCRAPING APPARATUS FOR ROLLING MILLS. JOHN P. MCCASLIN, Lakewood, Ohio, assignor to The McKinney Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 7, 1922. Serial No. 586,631. 4 Claims. (Cl. 29—81.)

1. The combination with a pair of rolls of a rolling mill, of a pair of scraper bars extending lengthwise with respect to said rolls and in front of the same, common

mountings for the adjacent ends of the bars, said mountings being pivotally supported on a common axis between



the bars and actuating means connected to both said mountings to turn the same simultaneously about said axis.

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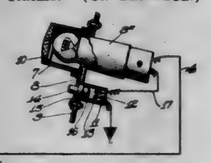
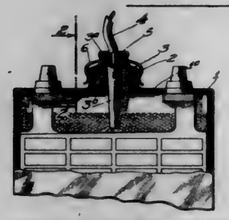
1,567,376. BATTERY ELECTROLYTE-LEVEL-INDICATING MEANS. GEORGE C. MCINTYRE and STEPHEN L. BARLOW, San Diego, Calif. Filed June 11, 1923. Serial No. 644,678. 4 Claims. (Cl. 200—152.)





1. A means of the class described, including a conventional storage battery cell cap detachably secured to the cell container and provided with an opening therethrough, an electrode provided with a shoulder thereon removably positioned in said cap, and a resilient metallic electrode retaining member secured to said electrode and adapted to resiliently engage said cap and secure said electrode in position.

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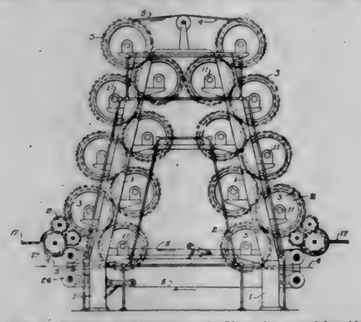
1,567,377. PAPER DRIER AND THE LIKE. HOMER D. MARTINDALE, Middletown, Ohio. Filed July 10, 1925. Serial No. 42,701. 7 Claims. (Cl. 34—48.)



1. In a drying machine, including in combination with drier rolls, web carriers, normally disconnected from the rolls into synchronized operative relation with said rolls and to carry the leading end of said web as the same is threaded thereon.

1,567,378. DESULPHURIZATION AND CONCENTRATION OF SULPHIDE IRON ORES. WILLIAM SOMERVILLE MILLAR, London, England. Filed Mar. 10, 1925. Serial No. 14,583. 1 Claim. (Cl. 75—60.)

A process of desulphurizing and concentrating sulphide iron ores which comprises subjecting the ore reduced to a suitable size to the action of sulphur di-oxide gas in a muffle or other furnace, said gas containing at least 50% $SO_2$ and the ore being continuously agitated and progressively heated to a temperature not exceeding 950°, in such manner that no surface fusion of the ore occurs.

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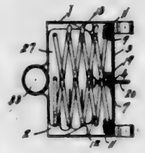
1,567,379. SIGNAL DEVICE FOR MOTOR VEHICLES. HANS R. MILLER and CLIFFORD M. TORGERSON, Fergus Falls, Minn. Filed Aug. 1, 1925. Serial No. 47,596. 2 Claims. (Cl. 116—40.)



1. In a signal device as described, embodying the combination of a case for securing to the windshield; a track mounted in said case; spring set truckies engaging said track; coil springs on said track engaging said truckles; spaced pivoted extension bars secured to said truckles; a buckle engaging said spaced pivoted extension bars; an operating lever on the steering post; a connecting rod for said buckle and operating lever; a signal case, the faces pierced with the word "Turn" at the outer extremities of said extension bars; and a light for said signal case energized by the regular light circuit.

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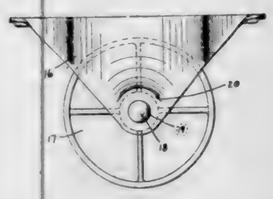
1,567,380. RIGID CASTER. WILLIAM H. NOBLTING and EMIL A. SMITHFIELD, Evansville, Ind., assignors to Faultless Caster Company, Evansville, Ind., a Corporation. Filed July 14, 1924. Serial No. 725,999. 4 Claims. (Cl. 16—40.)



1. In a caster, the combination of a supporting sheet metal base including two oppositely extending base extensions, and a pair of wheel supporting ears depending therefrom, each ear including a central bowed portion and a pair of corrugations extending substantially transverse to the base and positioned at the junction of the base with the extensions.

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1,567,381. SHOCK ABSORBER. MIKE OPANCHYK, Birmingham, Ala., assignor of three-fourths to Sallie M. Bradley and one-fourth to T. M. Bradley, jr., both of Birmingham, Ala. Filed Feb. 9, 1925. Serial No. 8,007. 7 Claims. (Cl. 267—45.)

1. An auxiliary spring shock absorber comprising reversely acting springs, an endless flexible belt passed about said springs in position to have its motion in one direction jointly resisted by opposite movement of said



springs, means to connect said belt to one part of the vehicle so that motion in said direction will be im-

parted to the belt on rebounds, and means to mount the springs on an element of the vehicle movable relatively to said first mentioned element.

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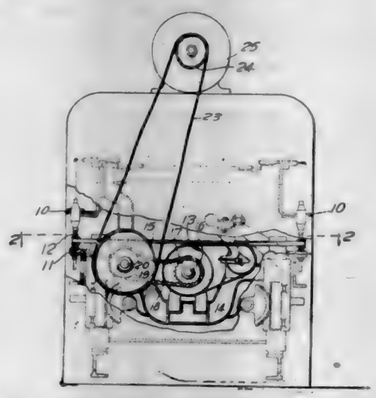
1,567,382. RING-SPINNING MACHINE. JAMES C. POTTER, Pawtucket, R. I. Filed Oct. 11, 1922. Serial No. 593,818. 6 Claims. (Cl. 118—4.)



1. In a ring spinning machine having stationarily supported rings and traversing spindles the combination of spindle rotating means comprising a rotatable member belted to the spindles and mounted for movement with the spindles when the latter traverse through the rings, a stationarily supported rotating power transmitting element, a rotatable power receiving element for rotating the rotatable spindle driving member and partaking of the movement of the latter during the traverse of the spindles, and a single flexible power transmitting means extending directly between said driving and driven elements.

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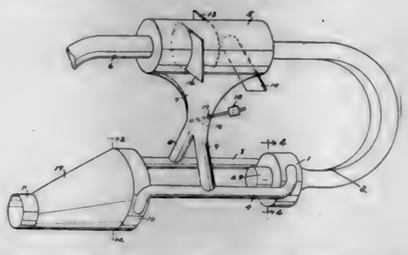
1,567,383. DELIVERY MECHANISM. JEFFREY J. POWER, Madison, Wis., assignor to Power-Stevens Fan Devices Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 17, 1923. Serial No. 657,866. 11 Claims. (Cl. 302—23.)



1. In a delivery apparatus; a rotary discharge device having a casing provided with an inlet conduit and a pair of opposite outlets extending tangentially therefrom, means for by-passing particles of solids carried by the fluids circulated by said device and delivering said particles to said outlets.

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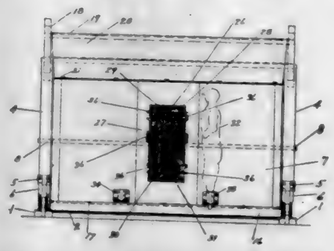
1,567,384. PITCHING TARGET. HENRY J. RECTENWALD and WILLIAM E. BERNHARDT, Pittsburgh, Pa. Filed Apr. 12, 1923. Serial No. 631,578. 10 Claims. (Cl. 273—266.)



10. A target for use in pitching and fielding practice by baseball pitchers comprising a frame, a boarding comprising layers of relatively non-resilient material and a layer of rubber between said non-resilient layers tiltably mounted in said frame, said boarding having on one face thereof a mark the width of the home plate in the game of baseball and a height equal to the distance between the knees and shoulders of a batter of average height, and a backing of rigid material on the other side of said boarding and covering at least the area embraced by said mark.

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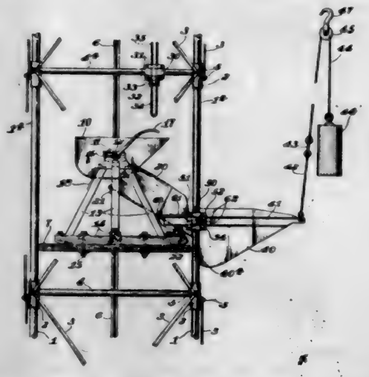
1,567,385. CONCRETE-DISTRIBUTING APPARATUS. ALEXANDER R. REED, Pittsburgh, Pa. Filed Oct. 21, 1924. Serial No. 744,954. 9 Claims. (Cl. 214—120.)



1. The combination with a construction elevator and its tower of a removable rockable concrete bucket and a supporting frame therefor mounted on the elevator, automatic means to tilt the bucket to discharge position upon arrival of the elevator at a predetermined height, and means normally outside the elevator shaft adapted to receive the concrete discharged by tilting of the bucket and to carry it outside of the elevator shaft.

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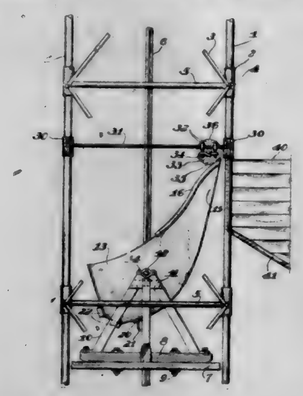
1,567,386. CONCRETE-DISTRIBUTING APPARATUS. ALEXANDER R. REED, Pittsburgh, Pa. Filed Nov. 18, 1924. Serial No. 750,714. 5 Claims. (Cl. 214—120.)

1. The combination with an ordinary construction elevator and its tower of a removable supporting carriage

adapted to be fixed upon the elevator, a concrete-carrying bucket rockably mounted in said carriage, the bucket having an extended spout long enough to discharge concrete outside of the elevator shaft when the bucket is



tilted, and removable vertically adjustable means attached to the elevator tower adapted to engage the spout of the bucket whereby to tilt it into discharge position upon arrival of the elevator at a predetermined height.

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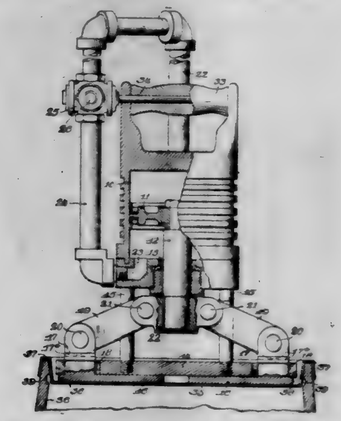
1,567,387. EXPANDER FOR METAL BARREL HEADS. FREDRICH J. RODE, Chicago, Ill. Filed Aug. 9, 1924. Serial No. 731,042. 6 Claims. (Cl. 113—18.)



1. A barrel head expander including a cylinder and piston, a support for the cylinder, expander members adjacent and beneath the said support, said members having sliding contact with the said support, connections between the said piston and the respective said members above the said support for causing the members to move with respect to the support when the piston is moved in the cylinder, and means for causing the piston to be moved by fluid pressure.

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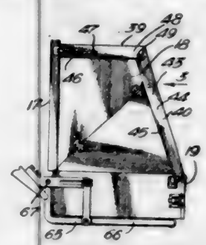
1,567,388. EXPANSIBLE AUTO TRUNK. ROBERT E. ROHNE, Los Angeles, Calif. Filed June 4, 1923. Serial No. 643,261. 7 Claims. (Cl. 190—19.)

3. In an auto trunk of the class described, the combination of: a container adapted for use in upright and horizontal positions; a cover at the top of said container when said container is in upright position, for providing access to the interior of said container; and foldable members on the side of said container arranged to be expanded to form a housing in which articles may



be carried, one of said foldable members being hinged to said container and utilized as a cover for concealing other of said foldable members when said members are disposed in collapsed position.

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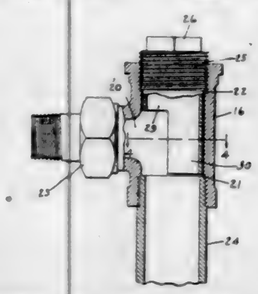
1,567,389. CIRCULATION-REGULATING PLUG VALVE. WILLIAM RUBLY, Indianapolis, Ind. Filed Mar. 27, 1922. Serial No. 547,171. 1 Claim. (Cl. 251—95.)



A regulating plug valve comprising a standard T fitting provided with a pair of aligned and similarly threaded identical openings communicating with each other, a third opening at an angle thereto and communicating therewith, and a control plug having a body portion as large as the identical openings and complementarily threaded and positionable in either of said aligned openings, said plug including a tool-engageable portion integral therewith and projecting therefrom for turning the same, and an oppositely projecting semi-cylindrical skirt of less diameter than the threaded body portion and integral therewith projecting through the T fitting and beyond the third opening and cooperating with the wall of said fitting adjacent the third opening for control purposes.

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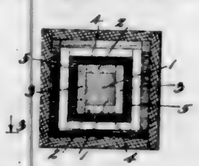
1,567,390. WOOD LAMP-BASE CONSTRUCTION. STEVEN A. RUPPERT, Cleveland, Ohio. Filed Apr. 10, 1925. Serial No. 22,129. 2 Claims. (Cl. 20—75.)



1. In a composite ornamental wood structure of the class described, in combination, a body comprising a polysided core, a plurality of layers of wood of varying color correspondingly applied to each side of said core, the body aforesaid being turned down symmetrically to expose each layer of each side whereby to form a corresponding distinctive panel design with respect to opposing sides of the body.



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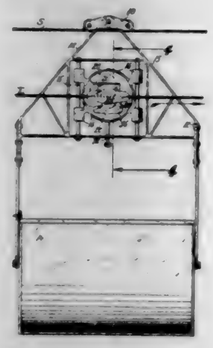
1,567,391. AERIAL TRAMWAY GRIP. EDWARD H. SACKETT, Arvada, Colo., by Louisa Sackett, conservatrix, Arvada, Colo. Filed Apr. 18, 1924. Serial No. 707,439. 12 Claims. (Cl. 104—206.)



5. A grip for aerial tramways having a movable cable-engaging jaw, means to actuate the same to engaging position, means for positively adjusting the engaging position thereof and compensating means to limit the pressure of the jaw upon the cable.

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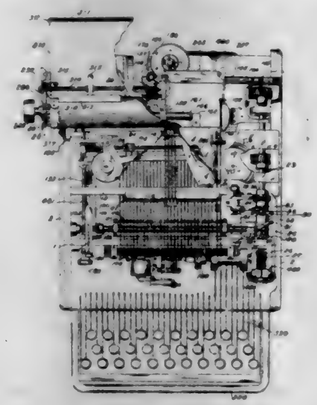
1,567,392. TELEGRAPH TYPEWRITER. EDWARD E. KLEINSCHMIDT, Brooklyn, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Filed July 5, 1923. Serial No. 649,562. 48 Claims. (Cl. 178—27.)



1. In a printing telegraph machine, a set of selectors; a printing mechanism controlled by said selectors and comprising type carrying and shift mechanisms; common operating means for said mechanisms; and a single cam supplying and controlling the entire acuating energy to said operating means.

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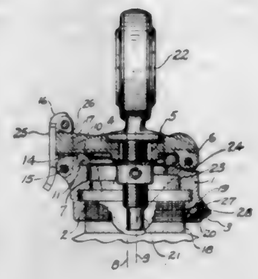
1,567,393. RADIATOR CAP. HERMAN SCHLAICH, Long Island City, N. Y. Filed Mar. 16, 1925. Serial No. 15,710. 8 Claims. (Cl. 220—24.)



1. A radiator cap comprising a body portion, a cover for said body portion hinged in the body portion, said cover having a central aperture for receiving the stem of an indicating instrument, the upper part of said body portion being provided with a circular opening, a substantially circular gasket seat surrounding the circular opening, the opening and the gasket seat being eccentric to the cap body to provide clearance for the stem of the instrument in the swinging of the cover between open and closed positions, and means to secure the body portion to the radiator.

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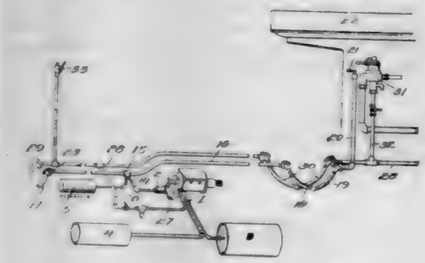
1,567,394. VALVE CONSTRUCTION FOR AIR-BRAKE SYSTEMS. HENRY SCHMARGE, Belen, N. Mex. Filed May 25, 1925. Serial No. 32,769. 9 Claims. (Cl. 303—42.)



1. In an air brake system the combination of a triple valve, a train pipe connected with said triple valve, an auxiliary train pipe, an auxiliary cylinder connected with said triple valve and having means for preventing movement of said valve to emergency position at undesired periods, means for reducing the pressure in said auxiliary train pipe, and means responsive to the reduction in pressure in said auxiliary train pipe for rapidly reducing the pressure in said auxiliary cylinder for enabling said triple valve to move to emergency position at desired periods.

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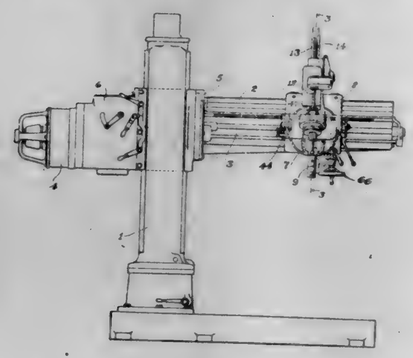
1,567,395. PROCESS OF CHLORINATION OF SULPHITE LIQUOR. ALBERT SCHMIDT, Paris, France. Filed Mar. 30, 1922. Serial No. 548,184. 3 Claims. (Cl. 260—159.)

1. The method of chlorinating sulphite liquor which comprises first treating the liquor with chlorine gas and then treating the resultant precipitate with nascent chlorine.

1,567,396. SOLDERING ALLOY AND METHOD OF MAKING THE SAME. EPHRAIM D. SCHWALM, Chicago, Ill. Filed Apr. 29, 1925. Serial No. 26,805. 5 Claims. (Cl. 75—1.)

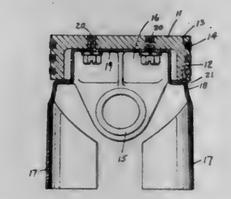
1. The herein described method of making an aluminum solder of copper and tin, consisting of fusing the two metals with sodium and then introducing zinc into the fused elements, substantially as described.

1,567,397. TOOL-FEEDING MECHANISM. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 23, 1922. Serial No. 590,112. 9 Claims. (Cl. 77—32.)



1. In a drilling machine, the combination of a spindle, means including a double clutch for feeding the spindle longitudinally, a member operated in timed relation with the feeding movement of the spindle, a dog adjustable on the member, and means operated in a single direction by the dog for moving the clutch from either of its driving positions to a neutral position after a predetermined feeding movement of the spindle.

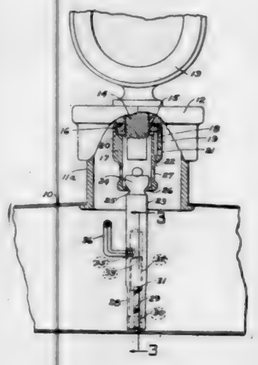
1,567,398. PISTON. WALTER J. SIX, Indianapolis, Ind. Filed June 20, 1925. Serial No. 38,517. 4 Claims. (Cl. 74—108.)



1. A piston comprising a cast metal head provided with double wrist pin bosses cast integral with the under top surface thereof, and a skirt formed of sheet metal separately from said head, said skirt being rigidly secured to the under top surface of said head intermediate said bosses.

1,567,399. LOCK FOR RADIATOR CAPS. IVAN H. STANT, Connersville, Ind. Filed July 5, 1924. Serial No. 724,499. 4 Claims. (Cl. 220—24.)

1. In a lock of the character described adapted for attachment to a radiator cap comprising a hollow stem, means for connecting said stem to said cap, an anchor member pivotally connected to the lower end of said stem, a pin slidably mounted in said hollow stem in position to have one end in engagement with said anchor member,



and a plug having a recessed head for receiving a tool adapted to be screwed into said stem in engagement with the other end of said pin for maintaining it in locking engagement with said anchor member.

1,567,400. SPRING WHEEL. FREDERICK STITZEL, Louisville, Ky.; John J. Davis administrator of said Frederick Stitzel, deceased. Filed Nov. 12, 1923. Serial No. 674,263. 7 Claims. (Cl. 152—37.)



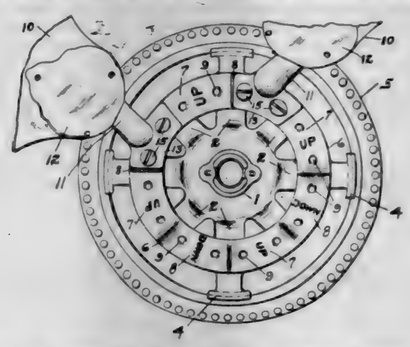
1. A spring wheel, having an inner member and an outer member, a series of interconnecting hangers, ballways supported in these hangers and each ballway containing a pair of balls movable in the direction of the circumference of the wheel and another pair of balls movable in the direction of the axis of the wheel by displacement.

1,567,401. FAN. HARVE R. STUART, Springfield, Ohio, assignor to The Robbins & Myers Company, Springfield, Ohio, a Corporation of Ohio. Filed June 26, 1924. Serial No. 722,450. 2 Claims. (Cl. 170—173.)

1. In a structure of the character described, a rotor, a series of spider-like arms projecting from said rotor, a ring supported by said arms in concentric relation with the axis of said rotor, the outer face of said ring being formed with a set of faces inclined in one direction

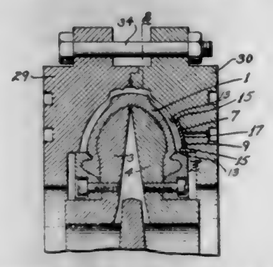


with respect to the plane of rotation of said ring and with another set of faces in alternating relation with the faces of said first set and inclined in another direc-



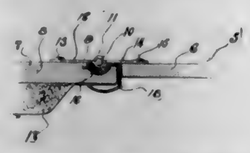
tion with respect to the axis of rotation, and a series of fan blades adapted to be detachably connected with either set of faces.

1,567,402. TIRE MOLD. CHARLES J. VENN, Chicago, Ill., assignor to Century Rubber Works, Cicero, Ill., a Corporation of Illinois. Filed May 17, 1922. Serial No. 561,554. 2 Claims. (Cl. 18—38.)



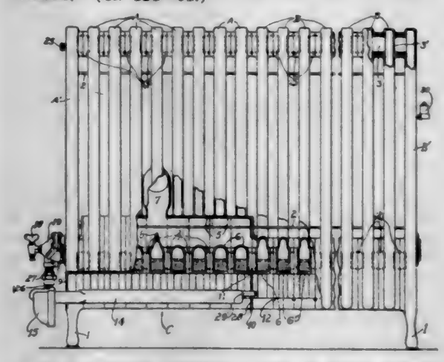
1. In apparatus of the class described, in combination, a mold for a resilient tire, a plate adapted to fit removably in said mold, a legend engraved upon the plate, a border engraved around the edge of the plate, whereby the engraved plate produces a raised legend upon the molded article, and the engraved border produces a raised border upon the article.

1,567,403. TRUNK FITTING. GEORGE HENRY WHEARY, Racine, Wis., assignor to Wheary Burge Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed Aug. 13, 1923. Serial No. 657,079. 5 Claims. (Cl. 190—19.)



1. A trunk construction comprising trunk sections having meeting marginal edges, a continuous hinge fitting connecting the meeting edges, the hinge fitting extending substantially the length of the edges, and means engageable with the hinge fitting throughout its length to prevent the passage of foreign matter between the trunk sections at the fitting.

1,567,404. RADIATOR. HUBERT L. WHITELAW, St. Louis County, and WALTER G. VOLLMER, St. Louis, Mo., assignors to Jesse M. Williams, Santa Monica, Calif. Filed Dec. 1, 1922. Serial No. 604,320. 3 Claims. (Cl. 126—91.)

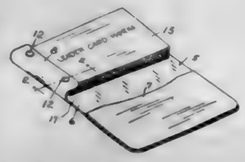


1. In a sectional radiator, a row of hollow sections having a combustion chamber in their lower ends, said combustion chamber having an end wall adjustable longitudinally of the combustion chamber to vary the length thereof with respect to the length of the radiator, and a burner in said combustion chamber.

1,567,405. TOY. WILLIAM G. WHITELEY, Boonton, N. J. Filed Oct. 6, 1921. Serial No. 505,698. 1 Claim. (Cl. 273—147.)

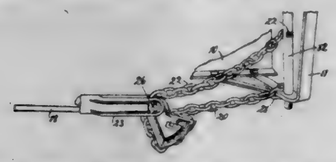
In a toy of the class described, an integral wire structure adapted to be spun as a top, the spinning point of the same being formed at one end of said wire, and the finger portion of said top being formed at the other end of said wire, a dial member adapted to be retained upon said finger portion, an indicator member also adapted to be retained upon said finger portion over said dial, and one of said members rotatable independently of said structure.

1,567,406. CARD PACKAGE. GUSTAVE A. WILKE, Milwaukee, Wis. Filed June 11, 1924. Serial No. 719,371. 6 Claims. (Cl. 129—1.)



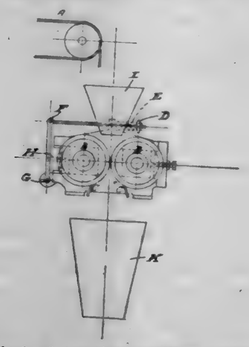
2. In a card package, the combination of a plurality of individual calling cards and attached stubs formed integrally with respective cards and separable therefrom, the boundary between each card and its respective stub being defined by continuous straight scoring or cutting adapted to permit the card to be torn from the stub with a clean-cut margin and the remaining boundaries of each card being free, all of said stubs being provided with laterally spaced aligned openings adapted to receive mounting posts, whereby to secure said stubs pending the separation of cards therefrom.

**1,567,407. BRAKE MECHANISM FOR RAILWAY CARS.** HENRY I. WEIGLEY, Chicago, Ill., assignor to Universal Draft Gear Attachment Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 9, 1922. Serial No. 605,872. 8 Claims. (Cl. 254—149.)



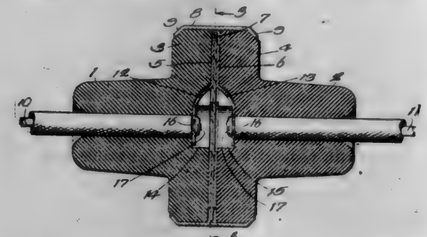
1. In a brake mechanism for railway cars, the combination of a brake staff, a brake lever and an extensible and contractible connection between said brake staff and brake lever including a reversing lever having arms of different length provided with grooved working surfaces, the shorter arm having an eccentric extension projecting laterally therefrom and the long arm having an extension projecting opposite to said eccentric extension and a cable looped about said lever with one end connected with said brake staff and the other end anchored.

**1,567,408. PROCESS OF TREATING FERTILIZERS.** PETER TOMY AXELSEN, Rjukan, Norway, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Filed Jan. 14, 1924. Serial No. 686,166. 4 Claims. (Cl. 18—11.)



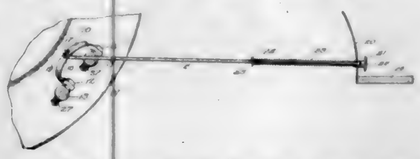
1. The method of treating fertilizer which comprises passing the fertilizer in a solid pulverulent condition under pressure between smooth rotating surfaces and thereby forming the fertilizer into thin, polished compacted sheaves capable of being stored without coalescing into lumps.

**1,567,409. CONDENSER.** ALBERT E. BERDON, Detroit, Mich. Filed May 29, 1922. Serial No. 564,293. 4 Claims. (Cl. 250—41.)



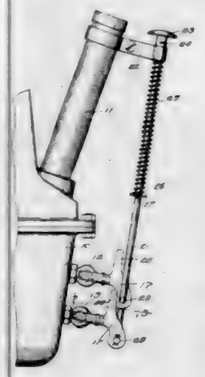
1. A condenser including two co-axial flanged conduits with the flanges thereof slightly spaced apart; two wire conductors, one passing through the bore of each conduit; two condenser plates between said flanges each having one of said wires individual thereto and having a tang thereon with which such wire is connected, the tangs extending away from each other and being received in notches that are formed in the adjacent faces of said conduits; a solid dielectric between said plates and maintaining them in spaced apart relation; and a band surrounding said flanges and having its edge portions bent into clamping engagement therewith whereby the condenser plates are held in fixed relative positions.

**1,567,410. DEVICE FOR OPERATING OIL GAUGES.** JOE W. BLACK, Chicago, Ill. Filed Jan. 19, 1924. Serial No. 687,379. 1 Claim. (Cl. 137—139.)



A device for operating two crank-case petcocks having aligned plugs pointing in the same direction, said device comprising a member adapted to engage said plugs, means extending to an accessible point for operating said member, and a spring for returning said member to a normally closed position, the plugs being inclined toward the operating means, so that said operating means tend to withdraw the tapered plugs as they are turned toward open position and to force said plugs into the petcocks as they are turned toward closed position.

**1,567,411. DEVICE FOR OPERATING OIL GAUGES.** JOE W. BLACK, Chicago, Ill. Filed Jan. 19, 1924. Serial No. 687,380. 1 Claim. (Cl. 137—139.)



A device for operating two crank-case petcocks having substantially parallel rotatable plugs, said device comprising a rod, arms hingedly connected thereto, each arm being adapted to be secured to a rotatable plug of a petcock, a guide for the free end of said rod, and means for normally holding said plugs in closed position, said rod having two transverse sections at different levels for operating said arms.

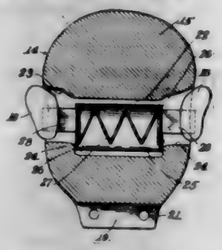
**1,567,412. FUEL-RESERVE-MAINTAINING DEVICE.** JOE W. BLACK, Chicago, Ill. Filed May 12, 1924. Serial No. 712,573. 2 Claims. (Cl. 158—46.5.)

1. A fuel reserve maintaining device comprising a body having a vertical tubular portion restricted at its lower end, a passage connecting with said tubular portion on each side of said restricted end, a tube movable to close

said restricted end, and a high level hole in said tube connecting said passages when the restricted end is thus closed by the tube.

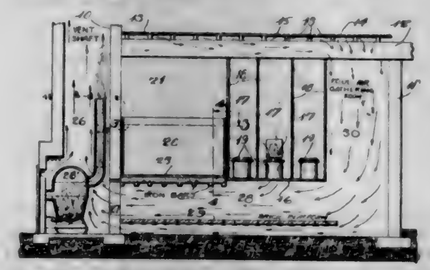


**1,567,413. SOUND-PRODUCING TOY.** ERNEST BOCCHINO, Passaic, N. J. Filed Jan. 24, 1925. Serial No. 4,421. 5 Claims. (Cl. 46—40.)



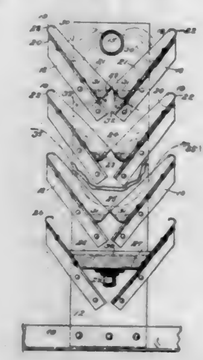
1. The combination with a toy representing a doll provided with a head containing a chamber having offset lateral openings, of a sound making device within the chamber, said device being operative upon the application of pressure, elements simulative of ears fixed on the ends of said device to extend oppositely outward through the mentioned openings to move relatively therein, and means for normally extending said elements equally outward.

**1,567,414. DRY CLOSET.** PETER B. BOGART, Atlanta, Ga. Filed Sept. 21, 1925. Serial No. 57,643. 2 Claims. (Cl. 4—133.)



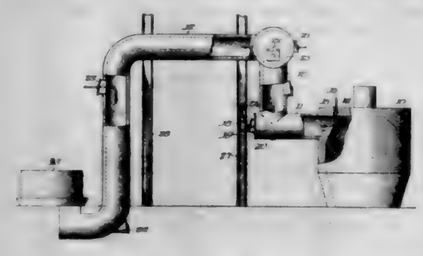
1. In a dry closet, a building structure having back and front walls and a pair of floors spaced to form a flue, the space above the upper floor forming a room, an upwardly extending foul air gathering chamber at one end of the flue and communicating at its upper end with the upper part of the room, an uptake vent leading from the opposite end of the flue and opening upwardly outside of the room, and a urinal in said room having a back wall and a floor spaced from the back wall to provide an opening communicating with the flue.

**1,567,415. COOLING TOWER.** EDWIN BURHORN, Hoboken, N. J. Filed Mar. 17, 1922. Serial No. 544,592. 3 Claims. (Cl. 261—114.)



2. A cooling tower as in claim 1 and wherein the tower comprises only two of such series of inclined members, the two series facing each other in close proximity, with each member inclined downwardly and inwardly, and its lower edge adjacent and opposite the lower edge of a member of the opposed series.

**1,567,416. METHOD OF AND APPARATUS FOR CLEANING SOOT OUT OF GAS MAINS.** WILLIAM F. CAGWIN, Chicago, Ill. Filed May 26, 1923. Serial No. 641,599. 2 Claims. (Cl. 110—49.)

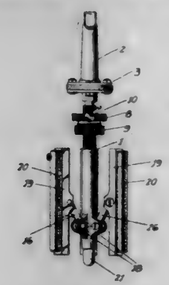


1. The method of removing soot from mains containing combustible gas and disposing of the soot which comprises progressively blowing the soot from the inlet end of the gas mains toward and out of the outlet end of the said gas main and into a furnace, and burning the soot removed from said gas main in the combustion chamber of the furnace.

**1,567,417. CYLINDER HONE.** ERNEST P. CAMPBELL, Stockton, Calif. Filed May 6, 1924. Serial No. 711,400. 5 Claims. (Cl. 51—206.)

1. A hone including a shank adapted to be rotated, arms projecting radially from the shank, hone carriers pivotally mounted on the outer ends of the arms and

extending lengthwise of the shank, spring means acting to force the carriers away from the shank, means for positively altering the distance of the carriers from the



shank without altering the spring pressure, and independent means for altering the pressure of the spring means.

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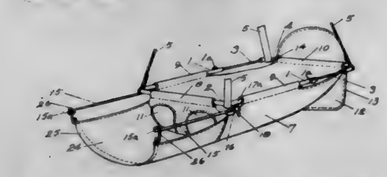
1,567,418. CRADLE. CHARLES W. CARNES, Erie, Pa. Filed Oct. 14, 1924. Serial No. 743,634. 6 Claims. (Cl. 155—68.)



2. In a cradle, the combination of a telescoping frame; a hammock secured to the frame and shortened or elongated by the telescoping action of the frame, said hammock having leg openings at its front; and an extension secured to the front of the frame and carrying leg supporting means below the openings.

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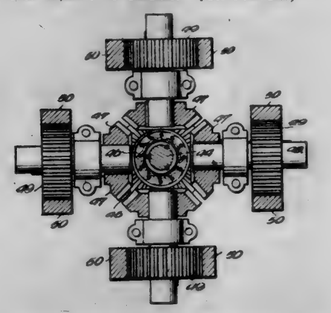
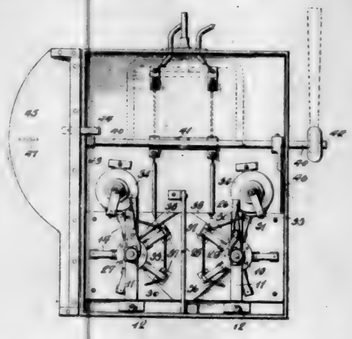
1,567,419. MECHANICAL MOVEMENT. MANUEL CARRASCO-SÁNCHEZ, Washington, D. C. Filed Apr. 3, 1925. Serial No. 20,531. 3 Claims. (Cl. 74—54.)



1. In motion transformation mechanism, the combination with a shaft to be driven, of gears journaled on the shaft, ratchet mechanisms for clutching the respective gears to the shaft and operating respectively to clutch one gear to the shaft when said gear is rotated in one direction and clutching the other gear to the shaft when said first gear is rotated in the other direction, an intermediate gear interposed between and in mesh with said gears, a driving gear fixed to one of said gears, and a plurality of oppositely reciprocatory driving racks operating on said driving gear.

1,567,420. ELECTRIC FUSE. CLARENCE O. CARRIER, Cleveland, Ohio. Filed Apr. 30, 1924. Serial No. 710,044. 4 Claims. (Cl. 200—125.)



1. An electrical device including a rotatable fuse carrying member, radial arms carried by said member, each arm comprising a top finger, a depending jaw at the outer end of said finger, a depending bracket adjacent the inner end of said finger, a jaw pivoted to said bracket to co-act with the depending jaw, spring means for normally separating the jaws, a depending leg carried by the pivoted jaw, and means for elevating the pivoted jaw to co-act with the depending jaw to grip a fuse wire.

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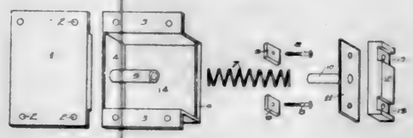
1,567,421. ANTIRATTLING DEVICE. GEORGE E. CLAYTON, Compton, Calif. Filed Jan. 12, 1925. Serial No. 1,798. 5 Claims. (Cl. 292—74.)



1. In an anti-rattling device for windows, doors nd the like, in combination, a casing, a plate adapted to be reciprocated in said casing, means associated with said plate and said casing for resisting the movement of said plate, means integral with said casing for preventing said plate from extending beyond said casing, and a buffer so associated with said plate that it may be moved thereby.

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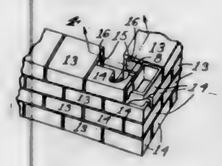
1,567,422. WALL CONSTRUCTION. CYRUS E. COFFEE, St. Louis, Mo. Filed May 7, 1924. Serial No. 711,729. 12 Claims. (Cl. 72—29.)



1. The combination, with a pair of juxtaposed walls having an intermediate space therebetween and being formed of superposed layers of blocks some of which are hollow and open-ended, the space-facing blocks of some layers being retracted from the said space to form recesses communicating therewith, and the space-facing blocks of other layers being hollow and presenting their open end faces to the said space; of a column of cementitious material in the said space and extending into the said recesses and into the open ends of the hollow blocks facing the said space.



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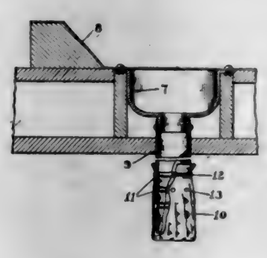
1,567,423. DRAIN SEAL FOR REFRIGERATOR CARS. GEORGE L. COMLOSSY, Toledo, Ohio. Filed Feb. 2, 1925. Serial No. 6,344. 8 Claims. (Cl. 182—8.)



1. In a refrigerator car, the combination with a drain duct leading from the interior thereof to the outside for permitting liquid to flow therethrough by gravity, of a flexible fabric structure enclosing the end of said duct, said device having apertures therein above the end of said duct to permit restricted liquid flow therethrough, and means for removably connecting the upper portion of said device to said duct.

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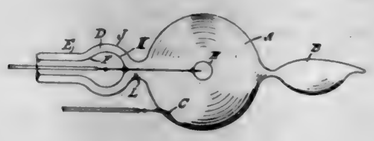
1,567,424. PHOTO-ELECTRIC CELL. ARTHUR H. COMPTON, St. Louis, Mo., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 1, 1921. Serial No. 448,944. 7 Claims. (Cl. 250—35.)



1. A photo-electric cell comprising an envelope consisting of a main chamber and an auxiliary chamber connected by a restricted neck, said auxiliary chamber having a curved passage forming a plurality of shadow zones, an electrode extending through the wall of the auxiliary chamber and the neck into the main chamber and another electrode extending through the wall of the main chamber, light-sensitive material deposited on the wall of the main chamber, connected with the second electrode and insulated from the first electrode by said shadow zones.

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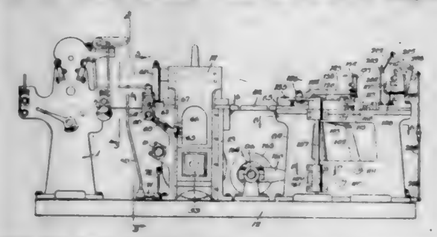
1,567,425. PAIL-MAKING MACHINE. EDWARD CRAIG, St. Joseph, Mich., assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich., a Corporation of Delaware. Filed Jan. 4, 1924. Serial No. 684,280. 54 Claims. (Cl. 93—36.)

1. In a machine for making receptacles from sheet material, the combination of instrumentalities for applying a handle to a blank, while the blank is integral with the sheet material, means for feeding the blank and its handle forward, while the blank is integral



with the sheet material, and mechanism for thereafter folding the blank in a manner to position the handle for use in carrying the receptacle.

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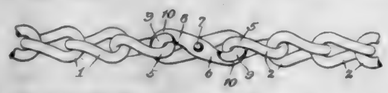
1,567,426. VEHICLE TIRE-CHAIN REPAIR-LINK CONSTRUCTION. JAMES M. DONOVAN, Chicago, Ill. Filed May 27, 1922. Serial No. 564,086. 2 Claims. (Cl. 152—14.)



1. A repair link for vehicle tire chains, comprising two link sections pivotally connected between their ends and formed at each side of the pivotal point with curved portions which overlap to provide eyes to receive other links of the chain, said repair link being so formed that the two eyes thereof are disposed in planes extending at an angle to each other, so that the two eyes are disposed in different planes and cross each other at an angle when the link is viewed endwise thereof with the axis of said pivotal point passing through the planes where they intersect each other, whereby said axis passes through each plane obliquely thereto, and said repair link is prevented from lying flatwise against the tread of the tire.

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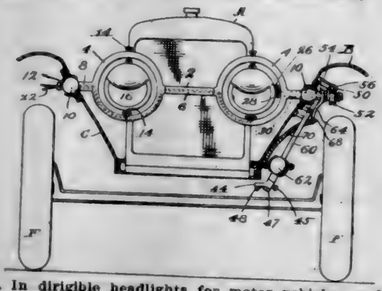
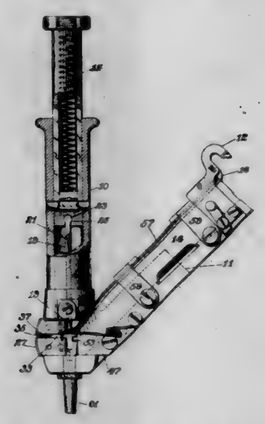
1,567,427. DIRIGIBLE HEADLIGHT. JOHN M. DORTON, Bonner Springs, Kans. Filed Sept. 2, 1924. Serial No. 735,242. 4 Claims. (Cl. 240—61.)



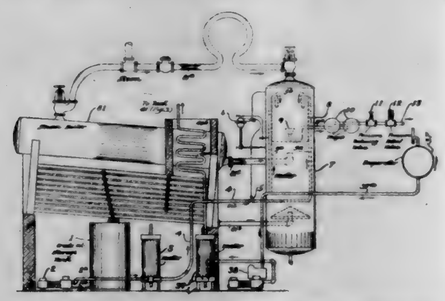
1. In dirigible headlights for motor vehicles, a frame in which a pair of headlights are mounted to turn to the right and left, means connecting said headlights to cause them to turn together, an inclined shaft mounted on the vehicle, a housing in which said shaft is mounted, self-adjusting means whereby said housing is connected to the vehicle, means connecting said shaft to the steering mechanism of the vehicle so that the latter may operate the former, a gear fixedly mounted upon said shaft, a rack actuated by said gear and axially adjustable to permit the gear and said shaft to be adjusted to different inclinations, and mechanism actuated by said rack for turning the headlights to the right or left.

1,567,428. FASTENING INSERTING MACHINE. RENÉ E. DUPLESSIS, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 8, 1921. Serial No. 506,399. 15 Claims. (Cl. 1—46.)



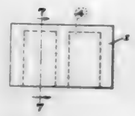
1. A tacker having, in combination, a throat-block, a separator formed with a surface co-operating with a surface on the throat-block to form a throat opening, said separator being mounted for swinging movement into and out of tne path of movement of tacks toward the throat to control the passage of the tacks to the throat, a driver, and means carried by he driver remote from its tack-engaging end to control the operation of the separator.

1,567,429. PROCESS FOR SERIES SEPARATION OF CRUDE PETROLEUM. ALFRED R. EARL and THOMAS W. REEVES, Toledo, Ohio. Filed Aug. 25, 1923. Serial No. 659,363. 2 Claims. (Cl. 196—72.)



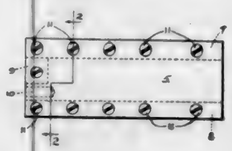
1. The method of continously distilling mineral oil which consists in heating the oil under pressure by means of steam, then releasing the pressure of the so-heated oil and passing the same into an expansion zone, where part of the oil vaporizes, conducting away the vapors so formed and fractionally condensing the same, withdrawing the unvaporized oil and further heating the same while not permitting vaporization of the oil, passing the said heated oil into an expansion zone maintained at a pressure below atmospheric and there permitting vaporization of the lighter products to take place, withdrawing and condensing the vapors so formed, withdrawing the unvaporized oil from said expansion zone and heating it by direct contact with superheated steam while maintaining the same under sufficient pressure to prevent vaporization of the oil, releasing the pressure of said oil and passing the heated oil into an expansion zone maintained at a pressure below atmospheric, thus permitting part of the oil to vaporize, withdrawing the vapors so formed and fractionally condensing the same, and withdrawing the unvaporized oil from said last named expansion zone.

1,567,430. BUILDING BLOCK. CHARLES M. EBERLING, Cleveland, Ohio. Filed Nov. 21, 1923. Serial No. 676,150. 5 Claims. (Cl. 72—41.)



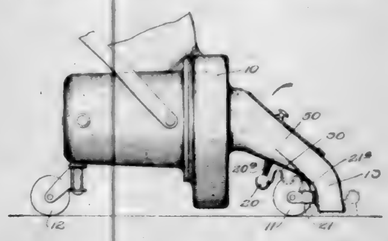
1. A building block having a substantially rectangular body formed in one side with a pair of slots having a width sufficient to admit a workman's hand and separated by a web of such depth as can be embraced by a workman's fingers, the slots being of sufficient length in a direction parallel to said web to admit a workman's hand.

1,567,431. BAR-CASTING DIE AND METHOD FOR SEASONING THE SAME. BENJAMIN S. ELROD, Omaha, Nebr., assignor to Elrod Slug Casting Machine Company, Omaha, Nebr., a Corporation of Nebraska. Filed Apr. 17, 1922. Serial No. 554,084. 10 Claims. (Cl. 207—1.)



3. An extrusion die, comprising body-portions of cast-iron having formed integrally therewith working surfaces of a black glossy composition consisting of the metal in combination with residues of heavy mineral oil volatilized in contact with the metal.

1,567,432. VACUUM CLEANER. FREDERICK A. ENGLISH, Chicago, Ill., assignor to Birtman Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 7, 1922. Serial No. 592,988. 7 Claims. (Cl. 15—158.)



1. In combination with a vacuum cleaner having a suction nozzle, a plurality of spaced apart brushes disposed in the front and rear of the said nozzle when in operative relation thereto, a brush-carrying frame carried by the nozzle exteriorly thereof in either operative or

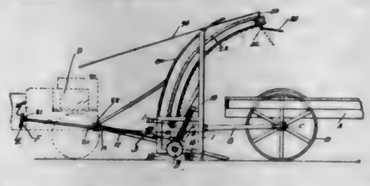


inoperative relation therewith, means carried by said frame and engaging the nozzle to prevent accidental swinging movement of said frame from operative position, and means carried by the frame to prevent its accidental swinging from inoperative position.

1,567,433. FASTENER FOR BARBERS' HAIR CLOTHS AND THE LIKE. JOSEPH FAVATA, Jr., Buffalo, N. Y. Filed Apr. 24, 1924. Serial No. 708,715. 5 Claims. (Cl. 24—81.)

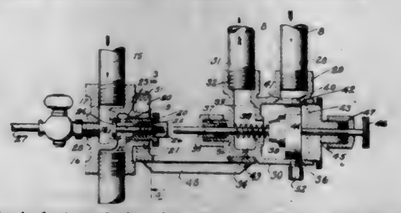
1. A fastener of the kind described, comprising an elongated body portion having open sleeves at one of its longitudinal marginal portions, said sleeves being oppositely arranged and separated by a space, a retainer clip at each side of said body portion having a sleeve at its end forming a hinge pivot and fitting into one of said open sleeves, each of said retainer slips having prongs on its inner face, and a spring for each of said clips to hold the same in closed position.

1,567,434. HAY LOADER. JOHN HENRY FLATLEY, Little York, Ill. Filed July 31, 1920. Serial No. 400,419. 3 Claims. (Cl. 56—27.)



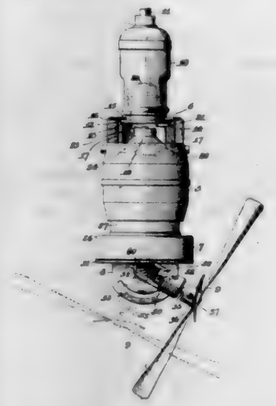
1. In an apparatus of the character described, in combination with a hay loading implement including elevating means and compressing means in the mouth of the elevating means, an attachment to connect the loader to a tractor to be pushed by the latter, and operating means to connect the elevating and compressing means of the loader with the tractor power.

1,567,435. FLUID-ACTUATED CONTROL DEVICE. FRANK A. GAUGER and ROY W. JOHNSON, Milwaukee, Wis., assignors, by mesne assignments, to Time-O-Stat Corporation, Milwaukee, Wis. Filed Feb. 14, 1921. Serial No. 444,944. 3 Claims. (Cl. 137—153.)



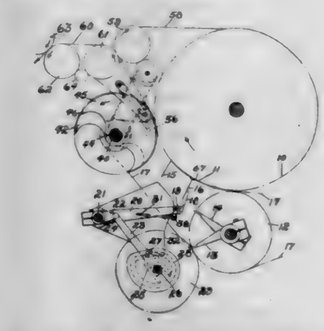
1. A device of the character described, comprising a casing having an inlet and an outlet, means connecting the inlet with a source of fluid, a plunger member mounted in the casing for movement to and from a position disconnecting the inlet and outlet, mechanical means normally urging the plunger member to a position with the inlet and outlet connected, and a plurality of ports interposed between the inlet and the interior of the casing, one of the ports communicating with the casing on the side of the plunger nearest the outlet and another of the ports communicating with the other side of the plunger, whereby an increase in the rate of flow of fluid beyond the capacity of the first port causes the excess fluid to exert a pressure against the other side of the plunger and move the same against the mechanical urging means to close the outlet.

1,567,436. ELECTRICAL FAN. CONRAD HAPP, Buffalo, N. Y. Filed Apr. 5, 1924. Serial No. 704,390. 18 Claims. (Cl. 230—1.)



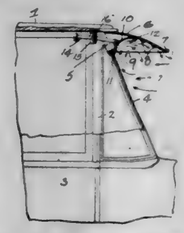
1. A device of the kind described having a nonrotatable motor, a connector on said motor for connection with a source of electrical energy, a fan adjustably connected with said motor, a support for said fan supported from the lower end of said motor, and means actuated by said motor for orbitally moving said fan.

1,567,437. BOTTOM CLOSURE FOR PAPER-BAG MACHINES. CARL H. HARTMAN, Toledo, Ohio, assignor to The Valve Bag Company of America, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 23, 1924. Serial No. 687,990. 5 Claims. (Cl. 93—27.)



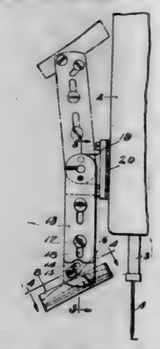
1. In a paper bag machine, bottom-closing means comprising separate members for folding the two flaps, a shaft upon which said members are mounted and driving connections for rotating said members about said shaft, said connections being arranged to rotate the rear valve-folding members more rapidly than the front valve-folding members.

1,567,438. VENTILATOR FOR MOVABLE CONVEYANCES. GUSTAVE O. HEINE, San Francisco, Calif. Filed Nov. 27, 1923. Serial No. 677,272. 3 Claims. (Cl. 296—94.)



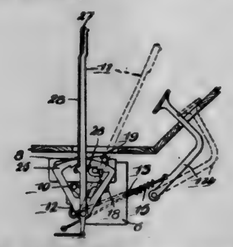
1. In apparatus of the class described a windshield having an opening therein; a visor projecting angularly from said windshield; and a plate, hingedly mounted along its bottom side in the opening in said windshield, and movable in cooperative relation to said visor.

1,567,439. ATTACHMENT FOR SEWING MACHINES. FRANK HEITZLER, Boston, Mass. Filed Sept. 20, 1924. Serial No. 738,835. 8 Claims. (Cl. 88—39.)



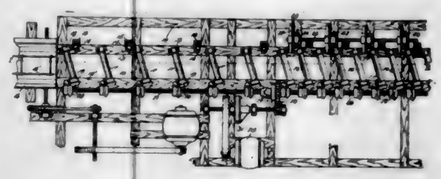
1. An attachment for sewing machines comprising an arm supporting a magnifying lens at one end, a pintle member projecting from the opposite end of the arm, and a bracket adapted to be secured to the machine frame having a bearing for the pintle, a spring tending to move the pintle axially of the bearing, the latter having spaced sockets in its end wall, and a pin projecting from the arm adjacent to the pintle and alternatively engageable with either of said sockets to hold the arm either in operative or inoperative position.

1,567,440. BRAKE-RELEASE MECHANISM FOR MOTOR VEHICLES. ARTHUR HIRSCHMAN, St. Paul, Minn. Filed Nov. 4, 1925. Serial No. 66,715. 6 Claims. (Cl. 74—39.)



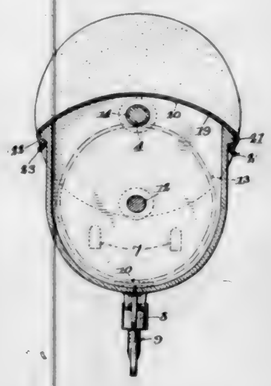
1. In a brake releasing device for a motor vehicle having transmission mechanism, a clutch lever and a brake normally in released position, said clutch lever being adapted to be moved to either operatively connect or disconnect the motor and transmission mechanism, means for maintaining said brake in applied position, and means for releasing said brake operable upon the movement of said clutch lever from disconnecting to connecting position.

1,567,441. DEBARKING MACHINE FOR LOGS. GUY C. HOWARD, Seattle, Wash. Filed Feb. 3, 1923. Serial No. 616,722. 3 Claims. (Cl. 144—208.)



1. A debarking machine for logs consisting in combination with supporting power actuated rolls arranged obliquely and in parallel to advance the log treated in oblique directions, each said roll being formed with a plurality of rossing edges, a plurality of guide disks mounted to rotate laterally of said rolls to engage and guide the log, and means on said disks to rotate the log.

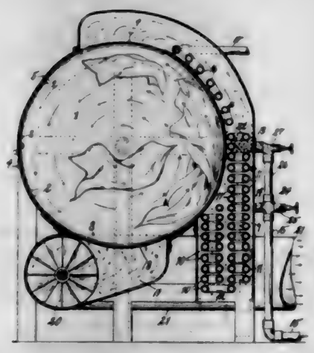
1,567,442. GRINDER. FRANK S. HYLAND, Milwaukee, Wis., assignor to Prairie du Chien Tool Co., Prairie du Chien, Wis., a Corporation of Wisconsin. Filed Mar. 24, 1920. Serial No. 368,225. 6 Claims. (Cl. 74—56.)



3. In a grinder, the combination of an integral gear casing having complete front and rear walls, and an open top, and a spring cap member for closing said open top.

1,567,443. ART OF AND MEANS FOR DEODORIZING FABRICS AND GARMENTS CLEANSED BY VOLATILE LIQUIDS. JOHN J. JENKINS, Los Angeles, Calif. Filed May 5, 1919. Serial No. 295,016. 3 Claims. (Cl. 34—5.)

2. In a deodorizing apparatus of the character set forth the combination with the heated air conduit, the heating coil therein, the live steam pipe for said coil, and a valve for controlling the flow of steam from the live steam pipe to the heating coil; of a pipe arranged in the conduit above the main portion of said heating coil and



provided with openings arranged to discharge steam across said conduit, and a valve connection between said steam pipe and the live steam pipe.



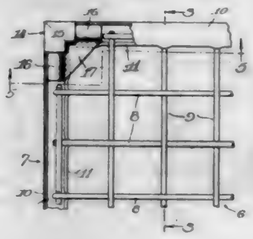
1,567,444. LIQUID-SOAP DISPENSER. HERMAN P. LEHMANN, Chicago, Ill., assignor to Antiseptol Liquid Soap Company, Chicago, Ill., a Corporation of Illinois. Filed May 5, 1919. Serial No. 294,849. 1 Claim. (Cl. 221—102.)

In a soap dispenser, in combination, a horizontally disposed barrel forming a receiving chamber and provided with an outlet passage extending laterally from the bore and terminating at the outer side of the barrel, an attaching element with which the barrel is associated and forming an inlet for the barrel, a plunger including a head arranged within the chamber in the barrel and a stem slidable in the bore for guiding the head and provided approximately medially of its ends with a reduced portion leaving spaced annular shoulders, the inner of which is normally arranged adjacent the inner edge of the passage, the inner portion of the stem of the plunger acting to normally close the bore and the passage, the head of the plunger upon inward movement being adapted to close the inlet to the chamber and to force liquid from the chamber about the reduced portion of its stem to its outermost annular shoulder and thence through the outlet passage, a compressible return spring arranged at the inner end of the chamber and coacting with the head of the plunger, the spring when fully compressed serving to limit the inward movement of the plunger and maintain the outermost shoulder adjacent the outer edge of the passage, and a finger piece on the outer end of the stem for facilitating the operation of the plunger.

1,567,445. REFRACTORY MATERIAL, ARTICLES MADE THEREFROM, AND METHOD OF MAKING THE SAME. SIMON J. LUBOWSKY, Jersey City, N. J., assignor to Metal & Thermit Corporation, Chrome, N. J., a Corporation of New Jersey. Filed Dec. 18, 1922. Serial No. 607,726. 8 Claims. (Cl. 25—156.)

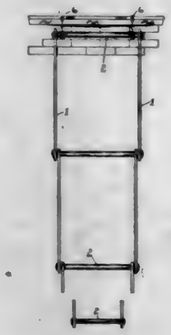
1. A material for use in making refractory, chemical resisting articles comprising calcined rutile with the particles in sintered union.

1,567,446. WIRE-MESH GUARD AND THE LIKE. EDWARD MCCLURE, Chicago, Ill. Filed Nov. 28, 1924. Serial No. 752,736. 2 Claims. (Cl. 189—70.)



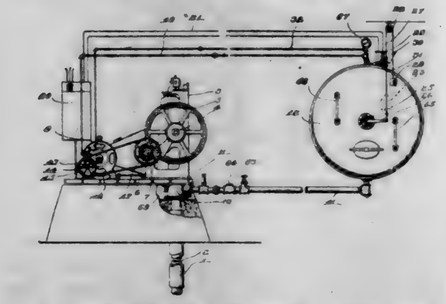
1. A wire mesh guard and the like, comprising a wire mesh fabric panel formed of kinked, interwoven wires, and a tubular border member therefor, in which the kinked end portions of the wires of the wire mesh panel are received, said tubular member having a lengthwise extending slit, the edges of which grip the wires and are held in intimate contact between the wires.

1,567,447. FOLDING LADDER. CHARLES C. MCCRACKEN, Bradner, Ohio. Filed Sept. 5, 1924. Serial No. 736,001. 1 Claim. (Cl. 228—38.)



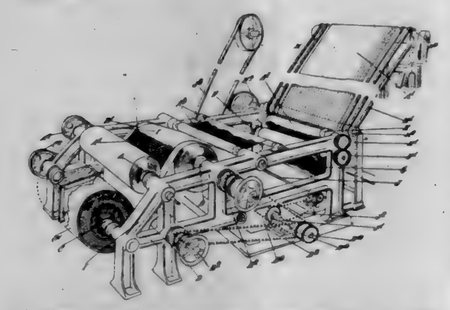
In a folding ladder, a plurality of pairs of links, each link having an opening at one end and each link except those of the lowermost pair having a slot extending substantially the length of the link, the ends of the rungs of the ladder secured in the said openings and extending through the said slots whereby the links of each pair are secured together by the rungs, the ends of the rungs slidably located in the slots, washers located on opposite sides of the links and bushings located in the slots for spacing the washers, whereby adjoining pairs of links are slidably connected together, a lug projecting from the end of each link other than the end in which the said opening is located whereby each rung is sustained a short distance from a plane extending through the ends of the lugs, means for connecting the pair of links at one end of the ladder to a part of the building, the said pair of links forming the upper end of the ladder, each pair of links having its upper ends disposed between the pair above whereby the thickness of the folded ladder will be the same as the width of the links and the ladder will be opened by its own weight, each pair of links sliding between the pair that is located above it when the ladder is opened.

**1,567,448. HYDROPNEUMATIC PUMPING SYSTEM.** WILLIAM A. MINOR, Rochester, N. Y., assignor to Luitweiler Pumping Engine Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 14, 1925. Serial No. 9,113. 7 Claims. (Cl. 103—6.)



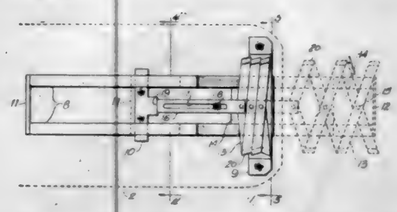
1. A pumping system comprising a closed tank, a water pump for supplying water to the tank, an air compressor for supplying air to the tank and normally open to the tank, automatic means for automatically cutting off the supply of air when a certain pressure is reached in the tank, a common power element for driving both the water pump and the air compressor, and automatic means controlled by the level of the liquid in the tank for controlling said power element.

**1,567,449. FEEDING APPARATUS FOR USE IN CONJUNCTION WITH CUTTING MACHINES.** WILLIAM BICCERSTAFFE MONK, Birmingham, England, assignor to The Dunlop Rubber Company, Limited, Regent's Park, London, England, a British Company. Filed Feb. 6, 1923. Serial No. 617,377. 11 Claims. (Cl. 242—58.)



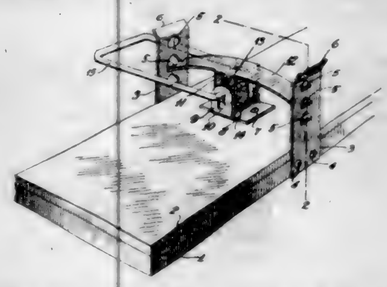
1. Apparatus for supplying sheet canvas or similar material to a cutting machine, comprising a single frame work for supporting a plurality of stock rolls and a plurality of lining rolls, one for each stock roll, means whereby each lining roll can be driven from its stock roll and also independently if desired, supporting means on which the rear end of the material unwound from one stock roll can be readily joined to the leading end of the material to be unwound from another stock roll, means whereby each stock roll when empty, together with its lining roll when full, can be removed and replaced by a full stock roll and an empty lining roll whilst the material is being drawn from the other stock roll and automatic means interposed between the stock rolls and a conveyor that supplies the material to the cutting machine, for controlling the unwinding of the stock material from either stock roll and ensuring a predetermined adequate supply of material at the position where it is taken up by the conveyor according to the requirements of the cutting machine.

**1,567,450. FLATIRON STAND.** ROBERT A. MORRISON, Portland, and FRANKLIN L. OSWALD, Gladstone, Oreg. Filed Aug. 5, 1925. Serial No. 48,318. 4 Claims. (Cl. 68—27.)



1. A flat iron stand comprising a support, lazy tongs having means at one end thereof for attachment to said support, the other end of said lazy tongs being adapted to be extended beyond said support to form a rest for a flat iron.

**1,567,451. TIE PRESS.** SOLOMON MOSSBACHER, New York, N. Y. Filed June 14, 1924. Serial No. 719,949. 1 Claim. (Cl. 100—57.)

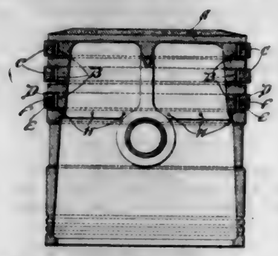


A tie press embodying fixed and movable jaws, resilient anchor plates secured to the opposite edges of the fixed jaw and extending beyond the movable jaw and provided with shoulders, a clamping spring the opposite ends of which are adapted to engage with corresponding shoulders of the resilient anchor plates, a cam positioned between the clamping spring and the upper face of the movable jaw, and adapted to normally permit engagement of the spring with the shoulders of the anchor plates while said spring is free from tension, and a handle associated with the cam to rotate said cam and thereby place the spring under tension for the purpose of forcing the movable jaw in the direction of the fixed jaw, said anchor plates, by their inherent resiliency, serving to automatically compensate for the varying length of the spring when placed under tension and serving to thereby preclude inadvertent disengagement of the spring from the shoulders.

**1,567,452. PISTON AND PISTON RING.** ARDEN JOHN MUMMERT, University City, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a Corporation of Delaware. Filed July 23, 1925. Serial No. 45,628. 1 Claim. (Cl. 74—109.)

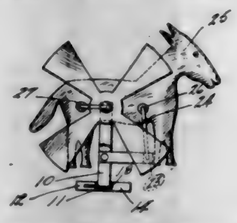
A piston ring comprising a resilient split band having a groove therein and also having one or more passages leading from the cylinder contacting face of said ring to the rear face thereof and positioned above said groove, the front wall of said groove meeting said cylinder contacting face to form a scraping edge adapted on the downward stroke of the piston with which said ring is used to scrape oil from the wall of the cylinder in which said piston reciprocates, said groove being constructed and arranged to collect the oil thus scraped from the cylinder wall on the downward stroke of said piston, and said passages being positioned and arranged to remove any accumulation of oil between said cylinder





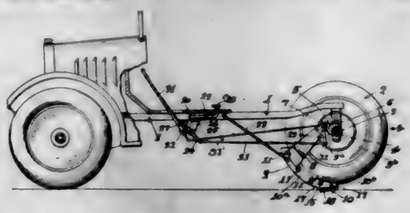
contacting face and said cylinder wall whereby said scraping edge will be maintained in operative position in engagement with said cylinder wall.

**1,567,453. OSCILLATING FIGURE FOR AUTOMOBILES.** LOUIE T. MURRAH, Dallas, Tex. Filed Dec. 30, 1922. Serial No. 610,033. 3 Claims. (Cl. 46—40.)



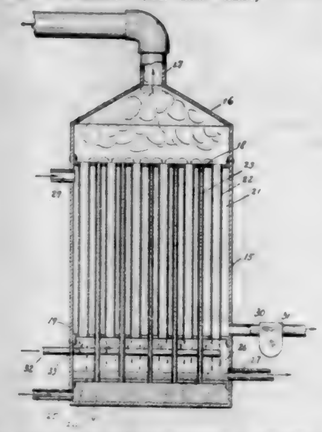
1. In an oscillating figure, a support comprising a vertical member having an arm support at one side thereof, a crank shaft pivoted upon the vertical member and provided with a wind wheel, a non-articulated figure at one side of said support having its body pivoted to the crank shaft to receive a rotary movement therefrom at one end, and a swinging arm upon the arm support spaced from said shaft and pivoted to the body of the figure for imparting an oscillating movement to the opposite end of the figure.

**1,567,454. ANTISKID BRAKE FOR VEHICLES.** CHARLES E. MURRAY, Los Angeles, Calif., assignor of one-half to John C. Nunnally, Los Angeles, Calif. Filed Dec. 27, 1923. Serial No. 683,023. 2 Claims. (Cl. 188—4.)



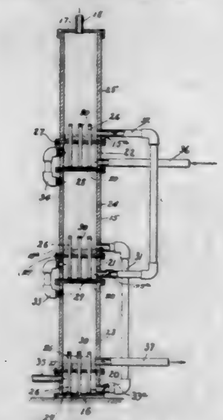
1. A drag-shoe for vehicles comprising in combination an axle, a wheel on the axle, a housing for the axle, an arm pivoted to the housing, a drag shoe rigidly attached to the arm, a rod connected to the arm, a lever to operate the rod and thereby swing the arm and shoe upward, a trip to engage the lever, means to disengage the trip and allow the shoe to drop by gravity to a position between the ground and the wheel, a projection on the lever and a brake lever engaging therewith to operate the lever.

**1,567,455. EVAPORATING STILL.** DANIEL L. NEWTON, Fullerton, Calif. Filed Aug. 7, 1922. Serial No. 580,269. 3 Claims. (Cl. 196—128.)



1. An evaporating still comprising a vertical casing, a lower, a middle and a top partition therein forming at the bottom an oil compartment, a residual oil compartment thereabove, a steam compartment above the residual oil compartment, and a vaporizing chamber at the top, a series of small bore pipes leading from the oil compartment to the vaporizing chamber, a series of large bore tubes leading from the vaporizing chamber to the residual oil compartment, a steam inlet to the residual oil compartment, means for feeding oil to the oil compartment, means for withdrawing the vapors at the top of the still, means for withdrawing the residual oil, and means for introducing a heating medium into the heating compartment.

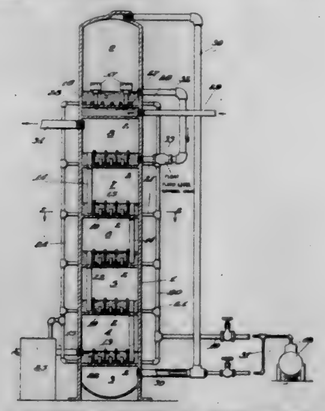
**1,567,456. ABSORPTION TOWER.** DANIEL L. NEWTON, Fullerton, Calif. Filed Aug 7, 1922. Serial No. 580,270. 2 Claims. (Cl. 261—21.)



1. An apparatus of the character described comprising a tank divided internally into a plurality of compartments, means for supplying a gas under pressure to one of the compartments, means for conducting the gas from said compartment successively through the other compartments, means for supplying an absorbing agent to one of the compartments and from the latter to the other compartments, and mixing units in said

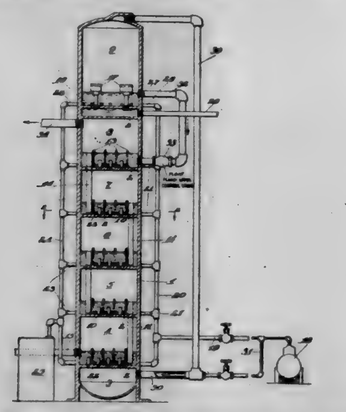
compartments, each mixing unit comprising a plurality of tubular members extending from one compartment to an adjacent compartment having ports arranged to utilize the pressure of the gas for moving the absorbing agent from the first compartment to the second compartment, and for intermixing the two.

1,567,457. PROCESS OF DISTILLING AND BLENDING HYDROCARBONS. DANIEL L. NEWTON, Fullerton, Calif. Filed July 19, 1924. Serial No. 726,985. 4 Claims. (Cl. 196—8.)



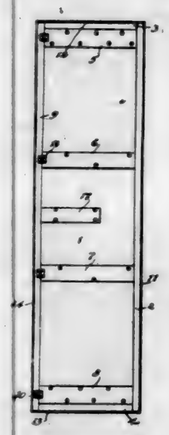
3. In a continuous process of distilling and blending hydrocarbons from an absorbing medium containing hydrocarbons from casing head gas in solution to produce a commercial stablized gasoline, the steps of partially distilling the medium, conducting the medium successively through a series of chambers in one direction, mixing steam with the distilled vapors and conducting the mixture under pressure through said chambers in the opposite direction, and causing a repeated intimate contact between the medium and the mixture whereby the hydrocarbons are distilled off and blended.

1,567,458. APPARATUS FOR DISTILLING AND BLENDING HYDROCARBONS. DANIEL L. NEWTON, Fullerton, Calif. Filed July 19, 1924. Serial No. 726,986. 7 Claims. (Cl. 196—8.)



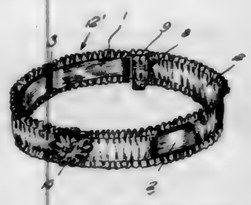
5. A distilling and blending apparatus for a continuous process to recover a stabilized gasoline from an absorbing medium containing considerable hydrocarbons suitable for motor fuel, comprising a heated distilling chamber provided with means for spraying the absorbing medium, a heated distilling and blending chamber having a perforated bottom, recirculation tubes over said perforations, said tubes being provided with spaced openings, means for conducting the absorbing medium from the distilling chamber to said distilling and blending chamber, means for conducting the hydrocarbon vapors from the distilling chamber to the bottom of said distilling and blending chamber, and means for introducing live steam to said vapor conducting means.

1,567,459. ADVERTISING FRAME. JOSEPH A. NUGENT, Winnipeg, Manitoba, Canada. Filed Apr. 28, 1925. Serial No. 26,534. 2 Claims. (Cl. 40—64.)



1. A display frame for pictures, advertising material, or such like, comprising a board, a side strip permanently secured to one side of the board and strips permanently secured to the ends of the board, a side strip pivotally attached to the other side of the board, a spring normally holding the latter strip closed, and moulding strips permanently secured to the side and end strips and having the inner edges overhanging the face of the board and with the inner corners thereof cut away to provide channels for receiving the edges of the picture or advertising material.

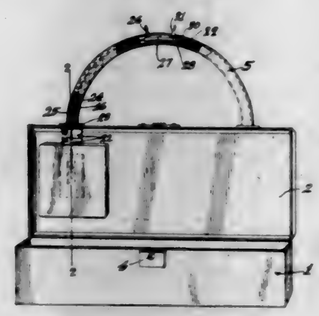
1,567,460. GARTER. HOWARD G. PARSONS, Washington, D. C. Filed Mar. 17, 1925. Serial No. 16,162. 1 Claim. (Cl. 24—6.)



A garter comprising a leg encircling band adapted to surround and completely conceal the upper edge of a stocking, a pair of separate and independent stocking suspending devices attached at the inner face of said band to afford a positive connection between the band and the stocking, each device being of a length less than the width of the band, being attached to the latter in a manner to be completely concealed from view when connected with the stocking, and comprising a stud member and a seat member therefor, said stud member being directly outwardly toward the band.

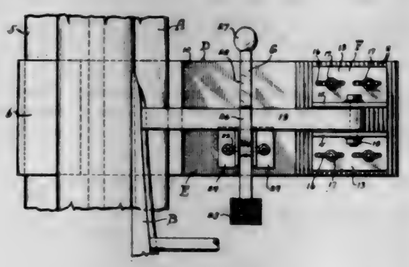


1,567,461. LOCKED POCKETBOOK APPLIANCE. ALFRED W. PATTERSON, Los Angeles, Calif. Filed Sept. 14, 1923. Serial No. 662,643. 11 Claims. (Cl. 190—61.)



1. In a purse-retaining device, a catch secured within a receptacle and provided with releasing means operable from a distance, said releasing means comprising a flexible element extending through a flexible guide.

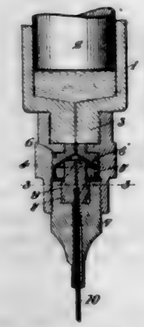
1,567,462. RAILROAD-SWITCH-POINT LOCK. JOSEPH F. PETERMAN, Superior, Wis., assignor of one-half to Raymond J. Heaney, Superior, Wis. Filed Apr. 28, 1925. Serial No. 25,404. 7 Claims. (Cl. 246—448.)



1. A switch point lock comprising a base plate, a locking bar pivotally carried by the base plate and adapted to have its free end movable into and out of abutting engagement with the inner face of the switch point, and a supplemental locking means associated with the locking bar for releasably retaining the bar in operative relation to the switch point.

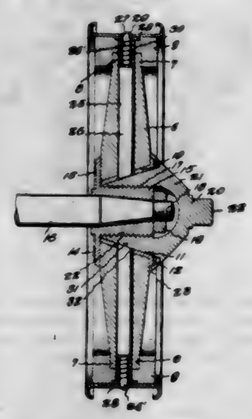
1,567,463. WASHERLESS REMOVABLE-TIP HYPODERMIC SYRINGE. FRANK L. PLATT, GEORGE N. HEIN, and ROBERT R. IMPEY, San Francisco, Calif. Filed Apr. 4, 1925. Serial No. 20,631. 5 Claims. (Cl. 128—221.)

1. A hypodermic syringe including a barrel provided with a discharge orifice formed at its end with a conical recessed seat; a needle having a base provided at its inner end with a portion of relatively soft metal having a transverse end face adapted for reception within said conical recessed seat; and means for connecting said



needle base and the barrel adapted for forcing the peripheral edge of said soft metal portion to a seat in the conical recessed end of the barrel.

1,567,464. WHEEL. FRANK RAIMER and MICHAEL ROMER, Adams, Mass. Filed Feb. 17, 1925. Serial No. 9,846. 2 Claims. (Cl. 301—28.)

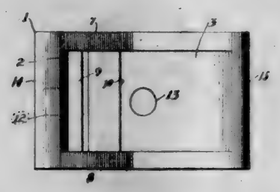


1. The combination with a vehicle wheel including a tapered hub sleeve, a plurality of radiating spokes associated with the hub sleeve, a felly carried by the spokes, and a rim detachably fitted upon the felly having sockets formed therein, of means for locking the rim upon the felly including a plurality of locking bars slidably associated with certain of the spokes and adapted to fit within the sockets formed in the rim, spring means engaging the locking bars normally urging the same out of engagement with the sockets, and means associated with the hub sleeve for synchronously adjusting the locking bars toward the rim against the tension of said spring means.

1,567,465. GROUSER. DOMINIC J. RIBISI, near San Jose, Calif. Filed Mar. 26, 1925. Serial No. 18,496. 1 Claim. (Cl. 301—44.)

A grouser comprising a casting having the following characteristics: base walls arranged at right angles to each other and curved to engage the perimeter of a wheel rim, side walls joining the base walls, the angle

between the base walls and extending to both side walls being of increased thickness and forming shoulders extending transversely of said base walls, the said base



walls being provided with bolt holes adjacent to said shoulders whereby bolts placed therein will engage said shoulders and be held against rotation thereby.

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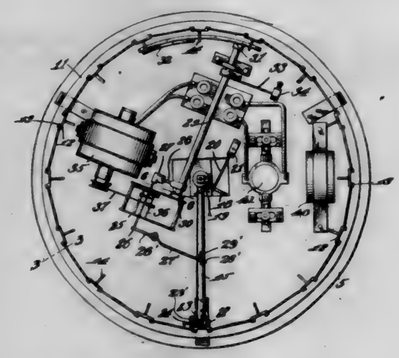
1,567,466. CHANGEABLE EXHIBITOR. RAY D. ROBISON, ROLLAND J. CHRISTMAN, and GROVER E. SWIGART, Bryan, Ohio. Filed July 10, 1922. Serial No. 573,824. 1 Claim. (Cl. 88—27.)



A changeable exhibitor including a base, a rotatable plate supporting carriage mounted on the base, inwardly extended pins arranged adjacent to the lower edges of the plates supported by the carriage, an operating mechanism including a rotatable arm, an arm pivotally connected with the first mentioned arm and having a hook portion formed at one end thereof, a pivoted arm, said hook portion of the first mentioned pivoted arm adapted to embrace a portion of the last mentioned arm to move the last mentioned arm in one direction, means for returning the arm to its initial position, and a pivoted member at the outer end of the second mentioned pivoted arm for engaging the pins to move the rotatable plate supporting carriage.

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1,567,467. STICK-DISPENSING DEVICE FOR SOAP AND THE LIKE. JACQUES ROCHEROLLES, Paris, France, assignor to La Societe Parfumerie Roger & Gallet Siege Social, Paris, France. Filed Mar. 30, 1925. Serial No. 19,386. 2 Claims. (Cl. 206—56.)

1. A stick-dispensing device, comprising a tubular case having an open end and formed adjacent such end with a circumferential recess which is disposed transverse to the axis of the case; a stick holder slidable axially within said case toward and from its open end; and a follower secured to the bottom of the holder and provided with a plurality of spring arms, the terminals of which frictionally engage the inner surface of the wall of the case and are normally flexed in one direction consequent upon such engagement to maintain the holder in place and prevent it from moving backward, but which are adapted to snap into said recess on reaching the same;

the recess and spring arms being so constructed that when the terminals of said arms are received in said recess, the said arms may be flexed in the reverse direction to enable the backward movement of the holder.

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1,567,468. CLIP FOR RUBBER-HOSE JOINTS. ALBERT JACOB RUSSELL, Johannesburg, South Africa. Filed Feb. 21, 1924. Serial No. 694,395. 2 Claims. (Cl. 24—19.)

1. A hose clip formed from a single piece of sheet metal and having at one end a band portion of ribbon-like formation, an elongated head formed on one terminal of the band and provided at its central portion with a slot, tongues projecting laterally from the end of the head remote from the band, said head being doubled and bent to form spaced hinge barrels, said tongues being bent over the portion of the head adjacent the band to retain the extremity of the head in bent position, the slot affording space for admission of the end of the band between the sides of the head.

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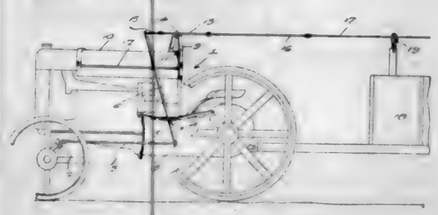
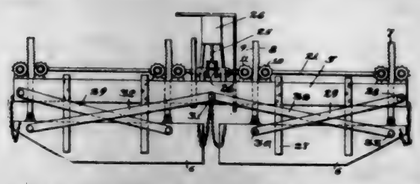
1,567,469. TRACTOR STEERING DEVICE. JOHN A. SCHMIDT, Enid, Okla. Filed July 2, 1925. Serial No. 41,129. 3 Claims. (Cl. 180—77.)



1. A tractor steering device, comprising in combination with the usual drag link of a tractor steering gear, a vertically disposed lever pivotally supported adjacent its lower end on the side of the tractor, the lower end of said lever being connected to the rear end of the drag link, a bracket straddling the rear portion of the fuel tank, a horizontally disposed cross bar pivotally supported intermediate its ends on said bracket, one end of said cross bar being connected to the upper end of the vertically disposed lever, and an actuating means associated with the opposite end of the cross bar, said actuating means extending rearwardly from the tractor and being controlled from a point remote thereof.



1,567,470. WAVE MOTOR. THOMAS H. SETTLE, San Fernando, Calif. Filed Jan. 30, 1922. Serial No. 532,882. 3 Claims. (Cl. 253—5.)



1. In a wave motor, a platform, a plurality of floats arranged end to end beneath said platform, crossed links connecting each float to the platform limiting longitudinal movement of the floats relative to the platform, toothed bars pivoted to the floats extending upwardly and adapted to reciprocate on vertical movement of the floats relative to the platform, and means for transmitting the movement of the bars.

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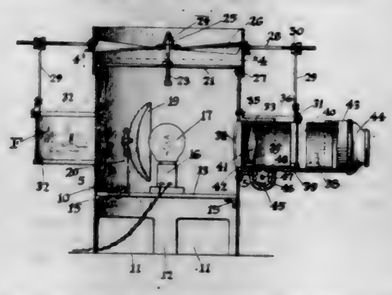
1,567,471. ADVERTISING DEVICE. WALTER L. SKEEN, Los Angeles, Calif. Filed Oct. 13, 1924. Serial No. 743,328. 5 Claims. (Cl. 88—27.)



1. An advertising device comprising a tubular support, a light mounted within said support, a reflector associated with said light, a pair of lenses adjustably mounted upon the side of said support through which said reflector is adapted to direct light, a fan pivoted upon said support adapted to be actuated by the ascending heated air within said support, and a circular film carried by said fan adapted to pass between said lenses.

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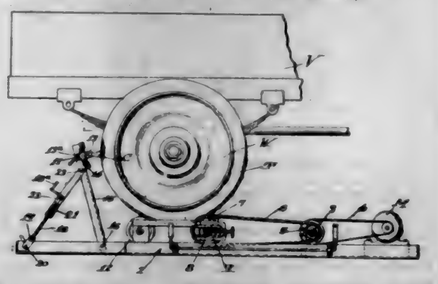
1,567,472. SOLID-TIRE FACER AND GROOVER. BRUCE E. SKILES, Santa Ana, Calif. Filed Dec. 13, 1923. Serial No. 680,457. 1 Claim. (Cl. 82—4.)



A solid tire facer and groover comprising a bed frame, a motor mounted on one end of the bed frame, a cross shaft mounted on the bed frame substantially half way between the motor and the center of the frame, means for connecting the motor to the cross shaft, a counter-shaft mounted on the bed frame near its center, means for connecting the cross shaft to the counter-shaft, a roller on the counter-shaft, a second roller parallel with the first roller and spaced therefrom and mounted on the bed frame, said rollers being adapted to receive and rotatably support a tire to be operated upon, a pair of arms pivotally connected to the bed frame and extending upwardly, a slide mounted upon the upper ends of the arm and adapted to move transversely, a screw for operating the slide, a cutter carried by the slide and adapted to engage the rotating tire, and a jack screw connected to the bed frame and to the upper parts of the arms for swinging the arms to move the cutter to or from the tire.

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1,567,473. LOG UNLOADER. WYATT C. STARR, Lake Wales, Fla. Filed Aug. 22, 1925. Serial No. 51,781. 2 Claims. (Cl. 214—44.)

1. In a log unloading device, a skidway, skidding members movable longitudinally of the skidway, said skidding members including spaced arms arranged at the ends thereof, rollers mounted between the arms, pivoted log engaging members carried by the spaced arms, and means for moving the skidding members.

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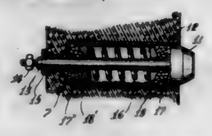
1,567,474. ELECTRIC COUPLER. CHARLES H. TOMLINSON, Mansfield, Ohio, assignor to The Tomlinson Coupler Company, Mansfield, Ohio, a Corporation of Ohio. Filed June 15, 1921. Serial No. 477,682. 9 Claims. (Cl. 173—332.)



1. An electrical contact comprising an insulating mounting having a recess, a single contact member mounted in the recess and extending through the insulating member mounting, packing means surrounding the contact member within the recess and resilient means within the recess and acting upon the packing means to urge it into engagement with the contact member.

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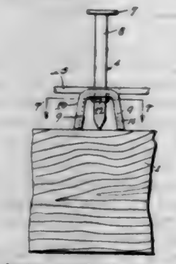
1,567,475. WIRE FASTENER. GEORGE F. VOIGHT, Oakland, Calif. Filed Mar. 9, 1925. Serial No. 14,175. 7 Claims. (Cl. 72—118.)



1. In a wire fastener of the character described, a furring element formed of a strip of flat metal and having its ends bent downwardly, thereby forming an intermediate body portion having at each end a downwardly projecting supporting leg, an upwardly struck marginal

flange on each side of said legs and body portion, said body portion provided with an opening, and a fastening element projecting through said opening and between said legs.

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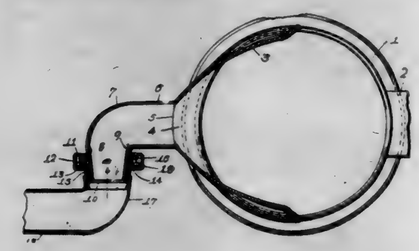
1,567,476. FILLING CAN. GEORGE F. VOIGHT, Oakland, Calif. Filed Mar. 23, 1925. Serial No. 17,639. 8 Claims. (Cl. 221—26.)



1. The combination with the drain funnel of a filling can of the class described, said drain funnel having a converging portion disposed above said can and projecting a distance beyond the front side thereof, of a discharge spout having one end rigidly secured to the apex of said converging portion, the opposite end of said spout being curved around to one side to form a side outlet portion therefor, said outlet portion tapering towards its free end, a delivery spout having one end curved around to one side to form a side intake portion, said intake portion diverging towards its free end, said intake portion rotatably mounted on said outlet portion, and a spring for holding said outlet and intake portions in relative rotatable engagement, said delivery spout operatively swingable along one side of said drain funnel.

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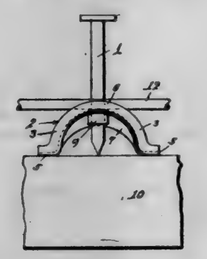
1,567,477. WIRE FASTENER. GEORGE F. VOIGHT, Oakland, Calif. Filed June 22, 1925. Serial No. 38,817. 8 Claims. (Cl. 72—118.)



1. A wire fastener comprising, an oblong strip of sheet metal bent intermediate its ends to form an arch, a downwardly projecting flange on one side edge thereof, an upwardly extending flange on the opposite side edge, and a nail projecting vertically through said arch between said flanges.

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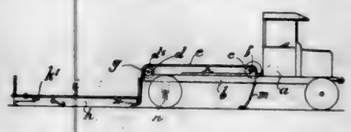
1,567,478. LOADING DEVICE FOR VEHICLES. EUGENE VONNEZ and CHARLES JAQUEMOT, Geneva, Switzerland. Filed Mar. 11, 1921. Serial No. 451,430. 9 Claims. (Cl. 244—65.)

1. A loading device for vehicles, comprising a vehicle frame, a winch mounted on the frame, a guide roller mounted on the rear of the frame, an interchangeable loading bridge wholly independent of the vehicle, two cables cooperating with the bridge and actuated by the winch, one cable being operable to move the bridge from the ground to a position on the frame, and the other cable being operable to move the bridge from the frame to the ground, a guide pulley on the rear end of the frame, a single contact member on the center front of



the bridge, the single contact member and guide pulley contacting before any other portion of the bridge touches the vehicle frame, upon the bridge being brought onto the frame.

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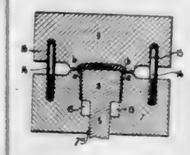
1,567,479. VULCANIZING MOLD FOR RUBBER FOOTWEAR. DIRK FRANS WILHELMI, Doorwerth, near Arnhem, Netherlands, assignor to Vereenigde Nederlandsche Rubberfabrieken, Heveadorp, Netherlands, a Dutch Company. Filed Aug. 13, 1924. Serial No. 731,860. 3 Claims. (Cl. 18—56.)



2. A method of manufacturing rubber footwear which consists in first vulcanizing the article under pressure in a mold comprising an upper-mold, a sole-mold and a last for supporting the article, the matrices of the mold sections being so formed that their walls, starting from the plane of junction of said sections, slope more or less inwardly, and thereafter subjecting the article to an after-cure on a last presenting the desired final form.

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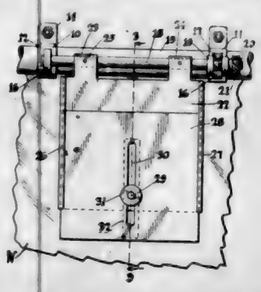
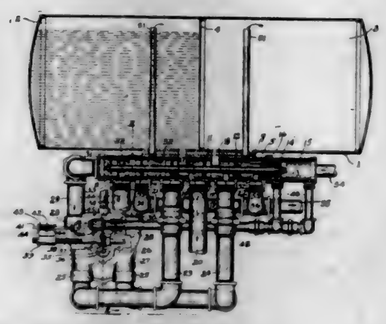
1,567,480. GLARESHIELD FOR MOTOR VEHICLES. IRA C. WOOD, South Pasadena, Calif., assignor of three-fourths to Wilson M. Hunt, Fullerton, Calif. Filed Aug. 28, 1924. Serial No. 734,620. 2 Claims. (Cl. 296—97.)



1. A glare shield comprising a section of opaque material, spindle means for pivotally securing said section to a windshield sash, whereby said section may be held parallel to said sash or held at right angles thereto by means of the spindle adjustment, a second section slidably mounted upon the first mentioned section, a bolt secured to said first section, a slot in the second section through which the bolt extends, a thumb nut adapted to be screwed upon said bolt thereby holding said second section in a given position with respect to the first section, and a strip of material secured upon the back of said second section adapted to cover said slot.



1,567,481. STEAM TRAP. LLEWELLYN S. WOODHULL, Detroit, Mich. Filed Nov. 26, 1923. Serial No. 676,916. 15 Claims. (Cl. 137—101.)



1. A steam trap comprising a chamber, means for delivering water of condensation to and for withdrawing it from said chamber, means for delivering steam to and for withdrawing it from said chamber, a piston valve directly controlling the water delivery and withdrawal, a piston valve directly controlling the steam delivery and withdrawal, a common cylindrical casing in which said valves are mounted, means connecting said valves for reciprocation in unison, and means exterior to said chamber controlling the travel of said valves.

13. A steam trap comprising a chamber, means for delivery water to and withdrawing it from said chamber, means for delivering steam to and withdrawing it from said chamber, means for applying steam to control the water and steam connections to said chamber in common, and hydraulic means arranged exteriorly to said chamber controlling such application of steam.

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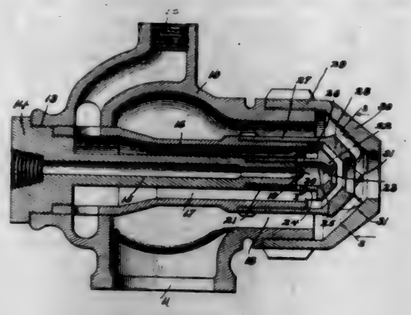
1,567,482. FUEL BURNER. ALFRED R. ANTHONY, Fort Pierce, Fla. Filed Dec. 10, 1919. Serial No. 343,701. Renewed Mar. 2, 1925. 14 Claims. (Cl. 158—76.)



14. In a fuel oil burner, in combination, an oil supply tube, means for atomizing the oil and discharging it in the form of a conical sheet, said means including a cap having an outer surface in the form of a frustrum of a cone coaxial with said conical sheet and having a central aperture in its end, a second cap having an inner conical surface coaxial with the outer conical surface of said first cap and spaced therefrom, thereby forming a conical passage between said caps, and vanes on the outer conical surface of said first cap inclined at a slight angle to the elements thereof, said vanes extending from one base to the other of the frustrum, and the tips of the vanes adjacent the aperture lying approximately in a conical surface.

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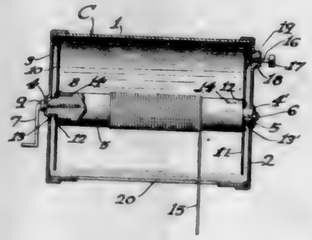
1,567,483. CHALK-LINE REEL. FRANCIS R. BEAR, Redlands, Calif. Filed Nov. 30, 1923. Serial No. 677,800. 2 Claims. (Cl. 242—97.)



1. A reel comprising a cylindrical body, end plates having flanges engaging said cylindrical body, there being depressions formed in said ends plates, a spindle disposed within said body upon which a line may be wound, said spindle having reduced ends providing shoulders adjacent the ends of the spindle, the reduced ends being rotatable within said depressions, discs mounted upon the reduced ends and secured against said shoulders, a headed pin extending through one of the end plates into an end of the spindle, and a crank extending through the other end plate into the other end of the spindle, there being a slot formed longitudinally of said body through which the line may pass.

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1,567,484. PORTABLE TOILET. HERBERT A. BEARD, Rochester, N. H. Filed Oct. 27, 1924. Serial No. 746,207. 4 Claims. (Cl. 155—51.)

1. In a device of the character described, a seat member having a substantially central opening, said member being provided with a peripheral flange, said flange being extended inwardly at intervals to form spaced parallel members, legs arranged between said parallel members and pivotally connected thereto, and means for locking said legs in operative positon.

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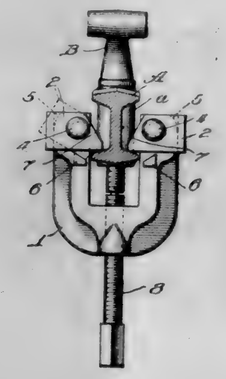
1,567,485. TOOL FOR REMOVING SPRING SUPPORTS ON AXLES. HERBERT A. BEEKMAN, Chicago, Ill., assignor to Zim Manufacturing Company, a Corporation of Illinois. Filed June 10, 1925. Serial No. 36,212. 2 Claims. (Cl. 29—85.)

1. A device of the character described, comprising a U-shaped yoke, a U-shaped dog embracing the free end of each arm of the dog with its open side directed inwardly, the dogs being pivoted to swing about axes at right angles to the plane of the yoke, stops to limit the downward movement of the inner ends of the dogs, the closed ends of the dogs cooperating with the arms on which they are mounted to limit the upward swinging move-

ments of the dogs to positions in which the dogs lie at right angles to said arms and project into the space between the arms, the inner ends of the dogs being shaped



to lie approximately in line with the inner faces of said arms when the dogs are engaged with said stops, and a screw extending through the closed end of the yoke between and parallel with the arms thereof.

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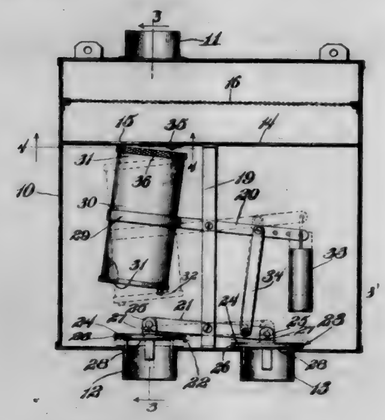
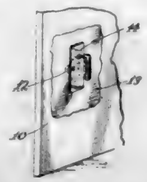
**1,567,486. SEPARATOR ATTACHMENT FOR CISTERNS.** SANFORD C. BRADY, Bartlesville, Okla. Filed Mar. 3, 1925. Serial No. 13,000. 8 Claims. (Cl. 137—9.)



1. In a separator attachment for cisterns, a casing having an inlet opening and a pair of outlets, valves controlling said outlets and connected for opposite operation whereby one of the valves opens as the other valve closes and operating mechanism for said valves including a counterbalanced container having a leak port whereby it is normally empty and of insufficient weight to overbalance its counterweight, said container when overbalanced by the counterweight only partially underlying said inlet opening to receive water passing therethrough and after overbalancing its counterweight receiving substantially all of the water passing trhough said opening.

**1,567,487. METHOD OF APPLYING COLORS TO PLASTIC COMPOSITIONS.** GEORGE W. BROCKUS, Alhambra, Calif. Filed Aug. 24, 1925. Serial No. 52,151. 4 Claims. (Cl. 18—61.)



1. The method of applying colorings, designs and the like to plastic compositions, which consists of placing green or unset material to the surface of the composition before it is set, positioning a layer of foraminous material thereover, troweling over the layer, and removing the layer.

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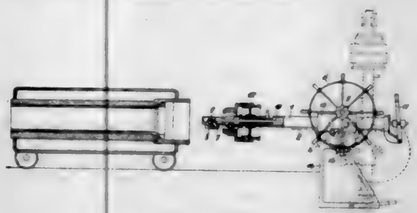
**1,567,488. CENTRIFUGAL CASTING MACHINE.** HEINRICH BURCHARTZ, Gelsenkirchen, Germany, assignor to Gelsenkirchener Bergwerks-Aktiengesellschaft, Gelsenkirchen, Germany. Filed Jan. 29, 1925. Serial No. 5,517. 5 Claims. (Cl. 22—65.)



1. The combination with a centrifugal casting machine, of means movable axially thereof for inserting cores into said machine, and removing them therefrom, said means being movable transversely to said axis for mounting said core on said inserting means and removing said core therefrom.

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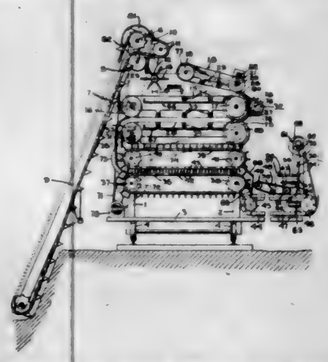
**1,567,489. PROCESS AND APPARATUS FOR PRODUCING COMPRESSED PEAT.** JOHN S. BURT, Walpole, Mass., assignor, by mesne assignments, to Field Security Company, Boston, Mass., a Corporation of Maine. Filed Oct. 18, 1923. Serial No. 669,256. 18 Claims. (Cl. 44—28.)



1. The process of condensing raw peat freshly taken from a bog which consists in continuously moving the peat directly when taken from the bog and without



substantially destroying its normal fibrous composition, and gradually expressing the water therefrom by progressively increasing pressure applied thereto to produce a partially dehydrated sheet.

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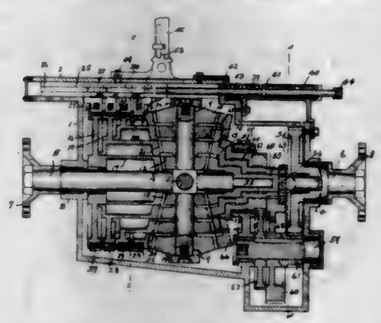
**1,567,490. TRANSMISSION MECHANISM.** NICK G. CEDILLO, Houston, Tex., assignor of one-fourth to E. E. Dowdell, Harris County, Tex. Filed Aug. 21, 1922. Serial No. 583,103. 3 Claims. (Cl. 74—34.)



1. A transmission mechanism including a driving member, a driven member, a gear frame fixed to one of said members and including radial bearing pins and a band secured to said pins, a plurality of trains of normally idle gears connected to one of said members, the gears of each train being constantly in mesh and one gear of each train being mounted on one of said pins and means through which a selected gear of each train may be alternatively held against rotation, relative to the other member, and driving connection thereby established between said members, said means including brake mechanisms, and a shiftable bar, under the control of the operator, for controlling said mechanisms.

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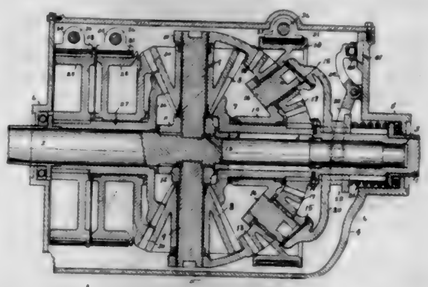
**1,567,491. TRANSMISSION MECHANISM.** NICK G. CEDILLO, Houston, Tex. Filed Jan. 17, 1924. Serial No. 686,701. 4 Claims. (Cl. 74—34.)



1. A transmission mechanism including a driving member, a driven member, an annular member fixed on the driven member, a pinion mounted to rotate on a radial axis, on said annular member, a plurality of bevel gears loosely mounted on said driven member, a bevel gear fixed on said driving member and in mesh with said pinion, brake mechanism associated with said respective loosely mounted bevel gears through which the same may be locked against rotation, and released, alternatively, a train of gears operatively connecting the driving member with said annular member, a loosely mounted carrier on the driving member on which one gear of said train is mounted to rotate, brake mechanism associated with said carrier through which the same may be locked against rotation and released, means for locking said carrier to rotate with the driving member, and means for releasing said locking means.

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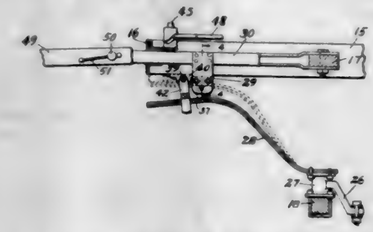
**1,567,492. DRAFT AND STEERING RIG FOR TRAILERS.** EARL R. CLAYTON and CORWIN R. WELCH, Los Angeles, Calif. Filed Aug. 11, 1922. Serial No. 581,145. 7 Claims. (Cl. 280—33.55.)



1. In combination, a vehicle including wheels capable of being steered, steering mechanism for the wheels including a yielding tongue, a draw bar pivoted on the vehicle, and manually operable means for rigidly connecting the resilient member to or disconnecting the same from said draw bar.

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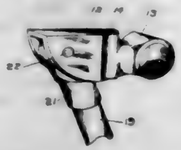
**1,567,493. COLLAPSIBLE AUTO AND PORCH BED.** WALLACE ROBB DOUGLAS, Crete, Nebr., assignor of one-half to William H. Douglas, Crete, Nebr. Filed Mar. 14, 1928. Serial No. 625,121. 2 Claims. (Cl. 5—112.)



1. A corner construction for collapsible beds including a casting which is adapted to be secured to an end rail of the bed at the extremity thereof, and a second casting secured to said first casting by a vertical pivot, said second casting being provided with a horizontal socket for receiving the extremity of a side rail, the socket being offset vertically whereby the reversal of said second casing on the two sides of the bed will position the side rails of the bed at different levels so as to afford clearance between the side rails when collapsing the bed.

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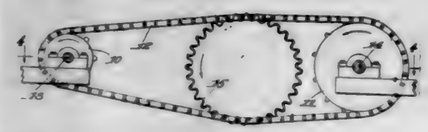
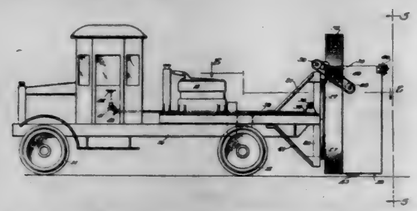
**1,567,494. CHAIN DRIVE.** EMERY H. FAHRNEY, Chicago, Ill. Filed July 21, 1922. Serial No. 576,588. 14 Claims. (Cl. 74—31.)



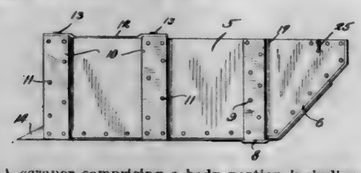
1. In combination, a flexible driving element, and a floating annular element having inherent resiliency, said floating element engaging with the driving element for maintaining the latter taut.

1,567,495. SNOWPLOW. EMERY H. FAHRNEY, Chicago, Ill. Filed Nov. 24, 1924. Serial No. 751,988. 16 Claims. (Cl. 37—43.)



1. A snow plow including a supporting structure, means for propelling the same, a casing having a snow inlet and a discharge outlet, a rotor in the casing, means mounting the casing for vertical and axial adjustments with respect to the said structure, and means for vertically adjusting the casing.

1,567,496. DRAG-LINE SCRAPER. JOHN J. FITZGERALD, Stapleton, N. Y. Filed Sept. 1, 1925. Serial No. 53,883. 5 Claims. (Cl. 37—147.)

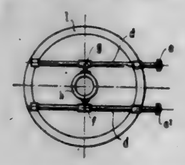


1. A scraper comprising a body portion including angle bars, side members secured to the angle bars, inverted U-shaped members secured to the side members, means for holding the inverted U-shaped members in spaced relation with each other, teeth secured to the forward ends of the angle bars, and a wall for closing the rear end of the body portion.

1,567,497. LIQUID WAX FOR THREADS. JOE FRY, Canton, Miss. Filed Jan. 27, 1925. Serial No. 5,144. 1 Claim. (Cl. 134—13.)

A liquid wax comprising the following: Shoemaker's prepared machinery wax, 70 parts; boiled linseed oil, 20 parts; banana oil 5 parts and oil of sassafras 5 parts.

1,567,498. SHOOTING GLASSES FOR MARKSMEN. EMIL GAUGLER, Bellach, Switzerland. Filed Mar. 30, 1925. Serial No. 19,512. 3 Claims. (Cl. 88—41.)



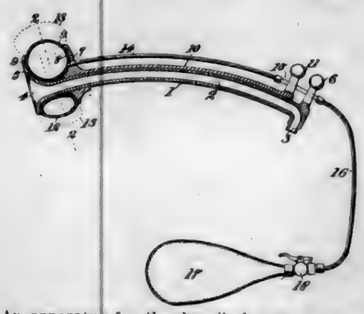
1. In shooting-glasses and in combination a frame with bows, two parallel screw spindles mounted rotatably to said frame, handles adapted to move said spindles independently from each other, slides fitted to said spindles and a tube containing the dioptrics hinged to said slides at points diametrically opposite each other and so as to hold the tube at two points set at a certain distance from each other for the purpose set forth.

1,567,499. STENOGRAPHIC MACHINE. MARC GRANDJEAN, Paris, France. Filed Jan. 6, 1923. Serial No. 611,093. 2 Claims. (Cl. 197—133.)

1. In a supporting device for the bobbin of a stenographic machine, the combination with a bobbin shaft, of two arms swingable about a common axis, each arm having a longitudinally extending notch to engage said

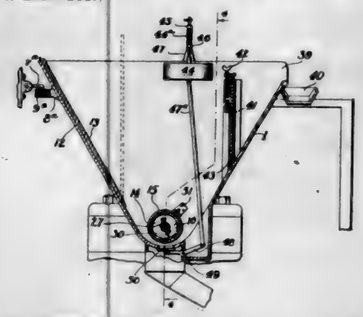
shaft, and a lever pivoted to each arm and having a transversely extending notch formed therein to engage the shaft while the latter occupies the notches of said arms.

1,567,500. APPLIANCE FOR USE BY ANÆSTHETISTS. GEORGE N. HEIN, San Francisco, Calif. Filed May 16, 1924. Serial No. 713,753. 4 Claims. (Cl. 128—208.)



1. An apparatus for the described purpose comprising an inflatable means for positioning through the oral cavity for engaging the walls thereof to interrupt communication between the oral and nasal cavities and the esophagus and the tracheal orifices, and means comprising opposing wall members between which said inflatable means is positioned for limiting the distortion of said means in opposite directions with its periphery free for distortion, and a tube extending laterally from said inflatable means and providing artificial breathing communication between the atmosphere and a point in rear of said means.

1,567,501. MIXER FOR OIL-FLOTATION APPARATUS AND THE LIKE. JOHN HERMAN, Los Angeles, Calif. Filed Apr. 12, 1923. Serial No. 631,529. 17 Claims. (Cl. 209—168.)



1. An apparatus for the treatment of ores by flotation comprising a basin, an apertured pipe adapted to be axially rotated within said basin means for admitting a fluid to said pipe so as to be discharged into the basin through the apertures therein, and a blade adapted to engage the exterior surface of said apertured pipe.



1,567,502. SHOCK ABSORBER. ROY L. HERNDON and ARTHUR W. HERNDON, Pocahontas, Va. Filed Nov. 4, 1924. Serial No. 747,789. 3 Claims. (Cl. 188—88.)

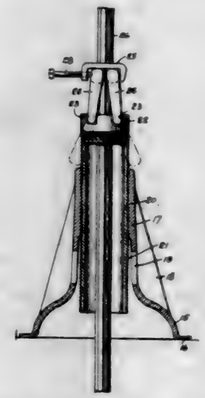
1. A shock absorber for automobiles comprising a fluid containing cylinder, means associated with the lower end of the cylinder for attaching the same to the axle of the automobile, a piston operable in the cylinder, the bottom thereof being provided with by-passes, a piston rod extending through the top of the cylinder and secured at its lower end to said piston, the upper end of the piston rod being secured to the frame of the automobile, a normally closed valve in the bottom of the piston, said valve comprising a ring threaded into a central opening provided in the bottom of the piston, a valve stem extending centrally through the ring, a valve carried by the upper end of the valve stem, the upper edge of the ring providing a valve seat for cooperation with the valve, and means associated with the valve stem at its lower end for normally holding the valve in engagement with the valve seat.

1,567,503. POWDER PUFF. GEORGE S. HERSHEY, Los Angeles, Calif. Filed Aug. 28, 1924. Serial No. 734,633. 9 Claims. (Cl. 132—78.5.)

1. A powder puff having an opening formed therein, said powder puff having two pieces of material extending through said opening into the interior of the puff providing a self-closing means permitting the powder to be inserted into the puff and normally keeping the opening closed.

1,567,504. DRILL PULLER. GRANT HINMAN, Clarkdale, Ariz. Filed Nov. 22, 1924. Serial No. 751,649. 6 Claims. (Cl. 254—29.)

1. A drill puller comprising a stationary element, a rotatable element, coacting means connecting the elements to cause vertical movement of the rotatable element when the latter is rotated on the stationary element, and means for securing a drill rod to the rotatable element so that when the drill rod is rotated, rotation of the rotatable element is effected, said means comprising identical



gripping members pivoted on the rotatable element, and means removable from said members and adapted to force same into clamping engagement with said drill rod.

1,567,505. METHOD OF MAKING CHAINS. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 15, 1919. Serial No. 344,947. 7 Claims. (Cl. 59—84.)

1. The method of making body sections for sectional chain links which consists in milling longitudinally and transversely one side of a solid body section to form longitudinally disposed oppositely extending tongues.

1,567,506. METHOD OF UNIFORMLY AND INTIMATELY MIXING MATERIALS WITH RUBBER LATEX. ERNEST HOPKINSON, New York, N. Y. Filed Oct. 16, 1922. Serial No. 594,086. 3 Claims. (Cl. 106—23.)

1. A method of mixing rubber with materials insoluble in water but soluble in organic solvents, comprising dissolving such materials in an organic solvent, forming a water emulsion of such solution, mixing the same with rubber latex, and then depriving such mixture of substantially all its liquid content.

3. A method of mixing rubber with other materials which consists in forming a water emulsion of liquid material non-miscible with water, dissolving other materials in an organic solvent and forming an emulsion thereof, making a water suspension of finely divided solid particles, mixing said emulsions and suspension with rubber latex, and depriving such mixture of substantially all its water content.

1,567,507. TOOTHBRUSH. ANDREW ANTHONY HOWARD, Chicago, Ill. Filed Jan. 12, 1925. Serial No. 1,986. 1 Claim. (Cl. 15—176.)

A tooth brush of the character described comprising a handle member and a head portion, said handle member being formed with a neck portion intermediate the

head and the body of the handle, a replaceable bristle bearing member of resilient material having a rearwardly extending relatively thin flexible portion, said head member having a dovetailed recess therein terminating at its lowermost end in a neck portion, said neck portion beyond the termination of the dovetailed recess being recessed throughout its width providing a shoulder,

whereby said bristle bearing member may be projected longitudinally into said dovetailed recess and said flexible longitudinally extending portion may engage with said shoulder to lock said bristle bearing member in said dovetailed recess, and whereby the bristle bearing member may be removed by bending said flexible portion out of engagment with the shoulder.

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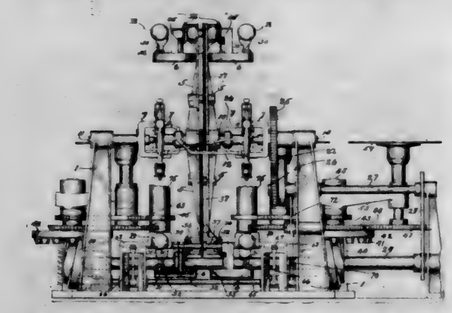
1,567,508. MACHINE FOR COATING ARTICLES. HIRAM N. HYDE, Providence, R. I., assignor to St. Mungo Manufacturing Company of America, Newark, N. J., a Corporation of New Jersey. Filed Apr. 24, 1923. Serial No. 634,244. 16 Claims. (91—45.)



1. In a coating machine, means for holding an article to be coated, a coating device and means for moving the article and the coating device in the same plane in arcuate parallel paths.

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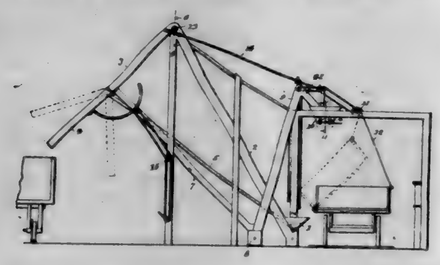
1,567,509. BEET-LOADING MACHINE. HARVEY E. JACKSON, Idaho Falls, Idaho. Filed Sept. 20, 1922. Serial No. 589,459. 2 Claims. (Cl. 209—241.)



1. In a machine of the class described, the combination with a source of supply; of a hopper, an upwardly inclined conveyor leading therefrom, a screen supported in the frame of said conveyor immediately below the latter, a chute leading downwardly from the upper end of said conveyor, a portion of said chute being screened, a second chute disposed below said conveyor and the first mentioned chute to receive the contents screened therefrom, and means for conveying the contents of the last mentioned chute to the source of supply.

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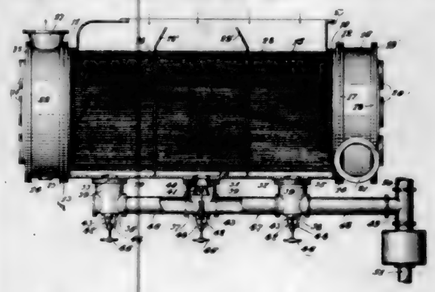
1,567,510. CONDENSER. EINAR A. JOHNSEN, Mountain Lakes, N. J. Filed Jan. 11, 1924. Serial No. 685,526. 13 Claims. (Cl. 257—43.)



1. In a surface condenser a shell, tubes extending within the shell, partition walls extending upwardly from the bottom of the condenser to points adjacent the top thereof, and dividing the condenser shell into separate and distinct compartments, and means at the upper ends of the partition walls for directing exhaust steam into the several compartments within the condenser shell.

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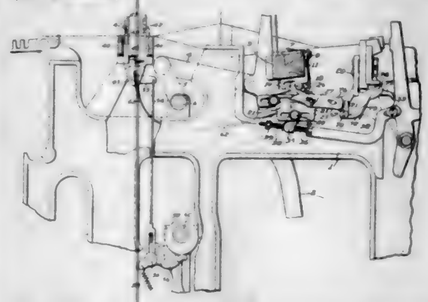
1,567,511. LOOM STOP MECHANISM. ARTHUR S. JOHNSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 28, 1925. Serial No. 46,564. 9 Claims. (Cl. 139—367.)



In a loom, the combination of a warp stop mechanism and a center fork weft stop mechanism including a dagger, a single dog adapted to be actuated by the dagger on the occurrence of a weft fault, a dog controller connected to the warp stop mechanism to position the dog in the path of the dagger on the occurrence of a warp fault, loom stopping mechanism and connections between the dog and loom stopping mechanism to effect loom stoppage on frontward movement of the lay on the occurrence of either a warp or weft fault.

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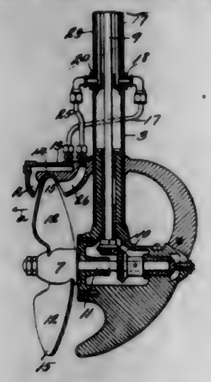
1,567,512. WATER-COOLING SYSTEM FOR OUTBOARD MOTORS. LOUIS J. JOHNSON, Mishawaka, Ind., assignor to Johnson Bros. Engineering Corporation, South Bend, Ind. Filed Feb. 9, 1924. Serial No. 691,601. 9 Claims. (Cl. 115—18.)

1. The combination with an outboard motor pivotally movable in a substantially horizontal plane and having



a water jacket, a propeller, of means whereby water forced rearwardly by said propeller will be forced through



the water jacket, said last named means being constant in relation to the propeller during the pivotal movement of the propeller.

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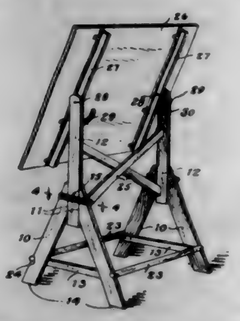
1,567,513. DRAWING TABLE. WILLIE L. E. KEUFFEL, Weehawken, N. J., assignor to Keuffel and Esser Company, Hoboken, N. J., a Corporation of New Jersey. Filed Apr. 7, 1923. Serial No. 630,489. 2 Claims. (Cl. 45—109.)



1. In a support for a drawing board the combination of a base comprising two spaced A frame members, means holding the legs of the frame members in spaced relation at their lower extremities but without substantial bracing, and a super-structure for bracing the frames and supporting the board comprising vertical members inserted between the converging ends of the legs of the A frames, bracing means between the two vertical members, and means for rigidly clamping the vertical members between the legs of the frames comprising a clamp extending between opposite legs of each frame, the clamps being located on opposite sides of the vertical members from the bracing means whereby the superstructure may be removed from the base without removing any part of the clamping or bracing structure.

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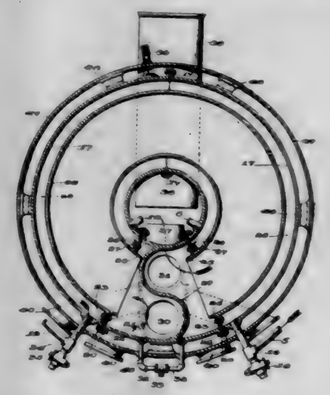
1,567,514. FEED-WATER HEATER FOR LOCOMOTIVES. JAMES H. KIDWELL, Staunton, Va. Filed Aug. 26, 1924. Serial No. 734,344. 3 Claims. (Cl. 122—425.)

1. A feed water heater comprising a relatively large substantially circular tubular casing open at confronting ends for the entrance and exit of exhaust steam, a concentric water shell containing said casing in closely spaced relationship, said shell being composed of sections permitting assembly around said casing, plates secured to the shell upon which the casing has sole



mounting in the shell, said plates constituting walls defining a water space in said shell, and water inlet and outlet openings in said shell.

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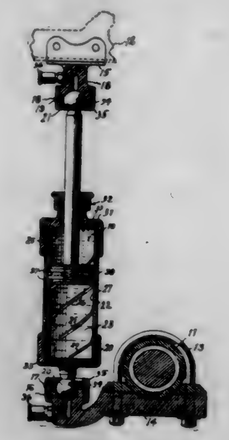
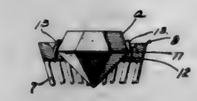
1,567,515. AUTOMOBILE SHOCK ABSORBER. KENJI KIJIMA and MASANAO ITO, Los Angeles, Calif. Filed Aug. 14, 1924. Serial No. 732,048. 2 Claims. (Cl. 188—88.)



1. In an automobile shock absorber, the combination with a cylinder connected for reciprocating movement relative to the automobile axle, and a piston working within the cylinder and connected for a reciprocating movement relative to the automobile frame, said cylinder having a series of spiral by-pass grooves in its inner wall and connecting the variable clearance chambers formed by the piston, of an hydraulic resistance medium within the cylinder capable of transmission through said by-pass grooves to equalize the pressure in said clearance chambers, the said grooves terminating in different planes to increase the corresponding chamber pressure as the piston approaches the limit of its reciprocating movement.

1,567,516. GEM SETTING. ERNST A. KIRCHNER, Minneapolis, Minn. Filed Mar. 5, 1924. Serial No. 697,092. 1 Claim. (Cl. 63—31.)

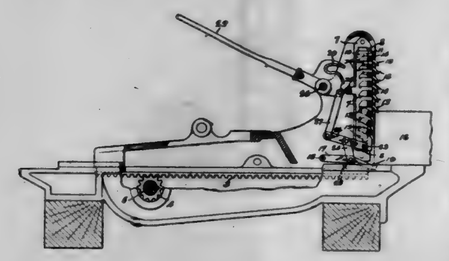


A gem setting comprising a top plate with a gem seat, a plurality of laterally spaced holes in the top plate located inward of the perimeter thereof, and pins secured in said holes and adapted to be bent inwardly over the gem seat to hold a gem mounted thereon inward of said pins.

1,567,517. SHOCK ABSORBER. ROY D. KISBEY, Sacramento, Calif. Filed Oct. 20, 1924. Serial No. 744,661. 3 Claims. (Cl. 188—88.)

1. A shock absorber for attachment to a leaf spring of a vehicle, said spring having at one end a shackle attached thereto and to the frame of the vehicle for swinging movement with the flexing of the spring; comprising a pair of telescoping members mounted together with shock absorbing means therebetween and arranged to extend longitudinally of the spring, means whereby the outer end of one member may be pivotally attached to the bolt of the shackle at the spring end thereof, and means for pivotally attaching the other member adjacent its end farthest from the shackle, onto the frame of the car.

1,567,518. SAWMILL DOG. STANLEY B. LANGILL, Menominee, Mich., assignor to The Prescott Company, Menominee, Mich., a Corporation of Michigan. Filed Sept. 7, 1922. Serial No. 586,658. 13 Claims. (Cl. 143—127.)

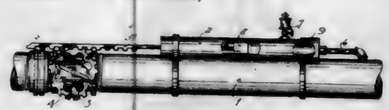


1. In a sawmill dog, in combination, a knee, a tooth frame fitted to said knee for vertical and horizontal movements with respect thereto, one of said parts being provided with a projection, the other of said parts being provided with a substantially L-shape opening to receive said projection to permit vertical and horizontal movements of said tooth frame with respect to said knee, and means cooperating with said knee and said tooth frame to effect movement of said tooth frame with respect to said knee.

1,567,519. MOP WRINGER. EMILE LECLERC and JOSEPH BIBAUD, St. Hyacinthe, Quebec, Canada. Filed Jan. 22, 1925. Serial No. 4,063. 1 Claim. (Cl. 15—120.)

A mop wringer comprising in combination with a mop handle and a two-lap fibrous portion carried at one end thereof, a frame slidably mounted on the handle and having a portion thereof disposed between the laps of the fibrous portion, a ratchet wheel rotatably surrounding the handle and secured to said frame, a lever rotatably surrounding the handle, and a pawl carried by the lever and adapted to engage said ratchet wheel.

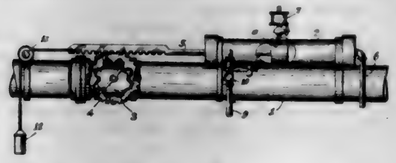
1,567,520. VACUUM AND PRESSURE GOVERNOR, REGULATOR, OR CONTROL. DON A. LEIGH, Fellows, Calif. Filed Oct. 9, 1922. Serial No. 593,471. 2 Claims. (Cl. 137—153.)



1. In a pipe-line, or other tubular device for the conveyance of gas, or other lighter than air substances, where the contents thereof are at times under greater than atmospheric pressure, and at other times under the same or less than such pressure, a valve of suitable type affixed within such pipe-line or device, by a transverse shaft, one end of which extends through such pipe, to which there is externally affixed a cogged wheel; a toothed rod engaging such cogged wheel, and which rod at its opposite end is attached to a piston, operating within a cylinder, one end whereof is open to the atmosphere, and the opposite end thereof is connected beyond the point of movement of said piston, by a pipe connected with the said pipe line, freely admitting the contents of such pipe-line when in pressure, or having such piston chamber exhausted of such contents when said pipe-line is at less than atmospheric pressure, whereby said piston is driven forward when such pressure is exerted, or drawn in the opposite direction when in vacuo, thereby controlling the action of said valve; within which cylinder and forming an integral part thereof, there is affixed a shoulder or flanged rim against which the gland of the piston plunger accurately rests, when such piston plunger is drawn inward by the suction of the vacuum in said piston chamber and pipe line; and together with a tapped entrance or duct on said cylinder to receive the stem of an oil cup for the purpose of lubricating the same when the plunger therein is in action.

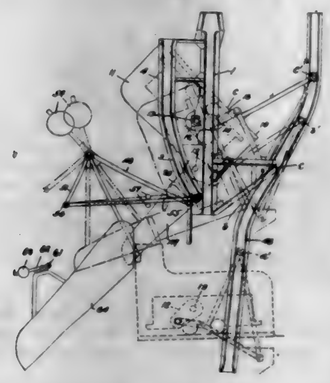


1,567,521. VACUUM AND PRESSURE STABILIZER. DON A. LEIGH, Fellows, Calif. Filed Oct. 9, 1922. Serial No. 593,472. 2 Claims. (Cl. 137—153.)



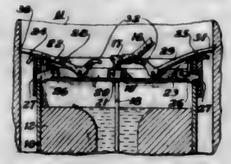
1. In a by-pass pipe around an air or gas pump connecting the suction line with the discharge line of the pipe-line upon which said pump is used, the introduction within such by-pass pipe of a valve of suitable type, affixed therein by a transverse shaft, one end of which extends through the wall of such by-pass pipe, to which end there is externally affixed a cogged wheel; a toothed rod engaging such cogged wheel, and which rod at its one end is attached to a plunger or piston, operating within an enclosed cylinder, and its opposite end is attached to a pliable rope running over a pulley and weighted at its free end with a dependent receptacle for the accommodation of variable weights; said cylinder being connected at one end, beyond the point of movement of said plunger therein, by a pipe of small diameter, with the pipe-line on the suction side of said pump, and at the opposite end of said cylinder, beyond the point of movement of said plunger therein, by a like pipe of small diameter, with the pipe-line on the discharge side of said pump; said cylinder being fitted with a pop-valve with an arm upon which slides a weight determining the pressure that will discharge said valve, the tap for which valve connection is into the compression side of the piston chamber; and together with a tapped entrance or duct on said cylinder to receive the stem of an oil cup for the purpose lubricating the same when the plunger therein is in action.

1,567,522. OVERTURNING CAGE. DANIEL F. LEPLEY, Connellsville, Pa. Filed Nov. 2, 1923. Serial No. 672,389. 12 Claims. (Cl. 214—122.)



1. The combination with a bail, a cage tiltably mounted therein and means for tilting the cage, said cage having an integral delivery spout normally extending upwardly therefrom, of a chute supported normally outside of the path of the cage, and means operated by the upward movement of the bail during the tilting of the cage for moving said chute at a speed gradually increasing in proportion to the upward speed of the cage into position to receive material delivered from the spout.

1,567,523. CAN BRACKET AND HANGER. ROBERT F. LINDSAY, Sr., Greenville, S. C. Filed July 3, 1924. Serial No. 724,071. 18 Claims. (Cl. 62—139.)

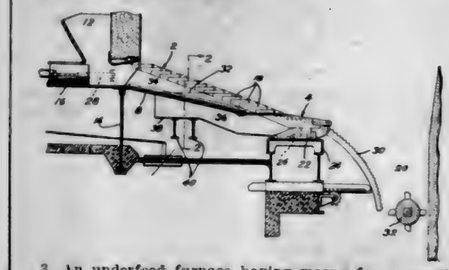


1. An air agitating attachment for ice cans, comprising a tube and a support therefor, means for detachably securing said support to an ice can, and means for swingingly connecting the tube to the support and means for causing lateral swinging movement slightly out of a single vertical plane so that the tube traverses a double elliptical area which causes the tube to strike different parts of the ice walls, said connecting means also allowing the tube to rise automatically away from the support.

1,567,524. TAG FASTENER. SIMON E. LOHN, Georgeville, Minn. Filed May 22, 1925. Serial No. 32,105. 1 Claim. (Cl. 40—25.)

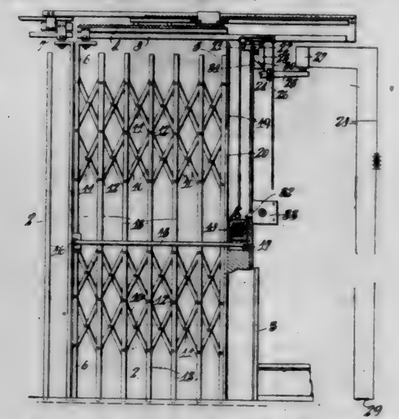
A tag fastener formed from a single piece of flat metal having a body portion adapted to lie flat against one face of a tag, a tang formed on the inner end of the body portion and adapted to penetrate the tag, the outer end of the body portion having parallel incisions formed therein adjacent the side edges to provide a pair of additional tangs, the portion intermediate the incisions forming an article engaging spur, said additional pair of tangs and said spur being bent over the outer edge of the tag, the free ends of the additional pair of tangs and the free end of the first mentioned tang being adapted to be bent back upon the body portion and in engagement with the opposite face of the tag, the article engaging spur depending downwardly from the edge of the tag.

1,567,525. AUTOMATIC STOKER. EDWIN LUNDGREN, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y., a Corporation of New York. Filed July 27, 1922. Serial No. 577,825. 3 Claims. (Cl. 110—44.)



3. An underfeed furnace having means for supporting and feeding fuel while in the course of combustion comprising a downwardly inclined retort having each of its side walls divided transversely into two sections, one section of each wall being movable longitudinally with relation to the other, tuyère structures mounted on each of the side walls, and means for imparting a back and forth movement to said movable section with relation to the other.

1,567,526. GATE SECURING AND CLOSING MEANS. FREDERICK J. LYNCH, New Westminster, British Columbia, Canada. Filed May 14, 1925. Serial No. 30,344. 2 Claims. (Cl. 39—50.)



1. Means for shutting and securing a sliding gate to close a doorway, said means comprising the combination with the gate, of a weight vertically movable within a casing on one side of the doorway, a bar pivotally connected at one end to the weight and at the other end to the outer style of the gate, a latch sustaining the weight at the upper limit of its movement and the gate open, and means for withdrawing the latch and permitting the weight to fall whereby the gate is extended across the opening.

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1,567,527. FOUNTAIN PEN. JOHN P. LYNN and HUGO A. FUNK, Chicago, Ill. Filed Mar. 13, 1924. Serial No. 698,954. 9 Claims. (Cl. 120—46.)

1. In a fountain pen, the combination with the barrel and nib, of a piston and a tubular piston rod, a passage being provided between the hollow interior of the rod and the space in the barrel below the piston, a pen holder removably fixed to the free end of the piston rod and located outside of the lower end of the barrel, whereby it may be grasped to withdraw the piston to its lower limit of travel in the barrel and means providing for delivery of ink from the reservoir to the nib.

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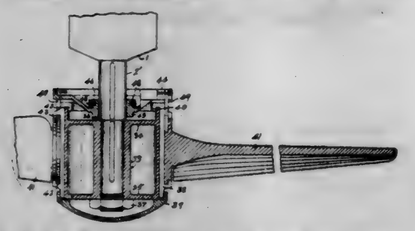
1,567,528. PROPELLER. WILLIAM R. MCDONALD, South Houston, Tex. Filed July 27, 1923. Serial No. 654,113. 2 Claims. (Cl. 170—163.)



1. A propeller including a hub having end spiders, a cylindrical shell formed of sections to conform to and fit around the hub, said shell having circular raceways, a hub cap screwed onto one end of the shell and securing said sections together, inwardly turned flanges at the other ends of said sections which engage the corresponding end of the hub, propeller blades having circular flanges which run in said raceways.

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1,567,529. FUSE PLUG. HARRY W. MCQUAID, Canton, Ohio, assignor of fifty-two hundredths to Aaron L. Lewis and twenty-four hundredths to Charles E. Runyon, both of Canton, Ohio. Filed Apr. 17, 1922. Serial No. 553,817. 4 Claims. (Cl. 200—121.)

1. In a fuse plug including a chamber, a fusible link located therein and a transparent cover for the chamber, a spring arm mounted within the chamber and not forming a part of the circuit through the fuse plug, a hook upon the arm for engagement with the fusible link and a target upon the arm arranged to be projected against the transparent cover when the fusible link is parted.

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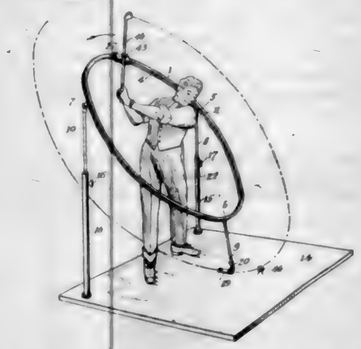
1,567,530. GOLF SWING DEVICE. RONALD G. MACNAUGHTON and MORTON R. WALKER, Los Angeles, Calif. Filed Apr. 2, 1924. Serial No. 703,647. 12 Claims. (Cl. 273—35.)



5. A golf swing device comprising a T rail circular track, a platform, an adjustable swinging connection between the forward lower part of the track and the platform and vertically adjustable pivoted connections between the rear part of the track and the rear of the platform, a slide mounted upon the track, a ring swiveled to the slide and adapted to receive the shank of the golf stick.

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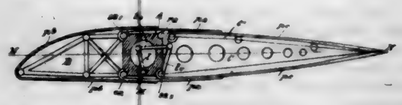
1,567,531. VARIABLE FLUIDO-DYNAMIC WINGS SUCH AS FOR AEROPLANES. PIERO MAGNI, Genoa, Italy. Filed Mar. 24, 1923. Serial No. 627,462. 2 Claims. (Cl. 244—12.)



1. An aeroplane wing including upper and lower overlapping plates forming the entire dorsal and ventral surfaces of the wing and capable of sliding upon each other for shortening or lengthening the dorsal or ventral surfaces to vary the camber of the latter without interrupting their smooth continuous outline, means associated with said plates for varying the profile of said surfaces at all points from edge to edge of the wing, a tail section movable independently of the remainder of the wing and provided with a supporting plate, and separate levers for controlling the supporting plate to permit the tail section to be moved into a position at right angles to the fluid current so as to brake the wing, said tail section being so mounted as to move away from the body of the wing to form a fluid passageway increasing in area as the inclination of the tail section varies relatively to the body of the wing.



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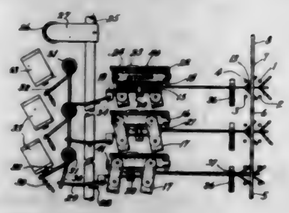
1,567,532. TELEPHONE SWITCH. HANS MARBURG, Halensee, Germany, assignor to Siemens & Halske Aktiengesellschaft, a German Company, Siemensstadt, near Berlin, Germany. Filed July 3, 1924. Serial No. 723,882. 8 Claims. (Cl. 179—225.)



1. In a selective switch, a plurality of sets of conductors arranged in intersecting relation, wire coupling members having their free ends projecting into proximity to the conductors of said sets, and cooperating bars for drawing said coupling members longitudinally to engage each a conductor in each of said sets to establish an electrical connection therebetween.

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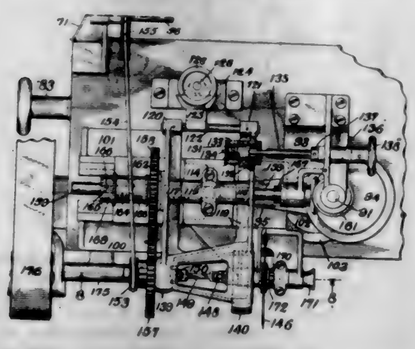
1,567,533. CIGARETTE MACHINE. HARRY S. MARSH, Brooklyn, N. Y. Filed Mar. 15, 1920. Serial No. 365,957. 27 Claims. (Cl. 131—37.)



17. In a machine provided with mechanism for forming material into a rod-like shape and advancing it, the combination of a reciprocating carriage, a reciprocating counterweight connected to said carriage, resilient means interposed between said carriage and counterweight for cushioning the movements of said carriage and counterweight and for imparting an initial return impulse to the parts, a rotary member on said carriage and a rotary knife having an eccentric bearing in said rotary member.

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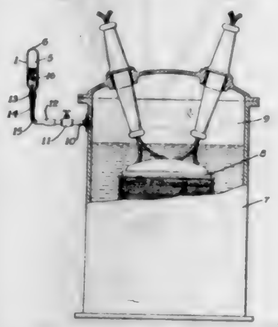
1,567,534. METHOD OF AND DEVICE FOR DETECTING OXYGEN. AYLMER H. MAUDE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 2, 1924. Serial No. 684,094. 13 Claims. (Cl. 23—254.)



9. A device for detecting gases comprising a sealed evacuated container, and a reagent therein, said container having a capillary portion adapted to be broken to allow gases to enter the same.

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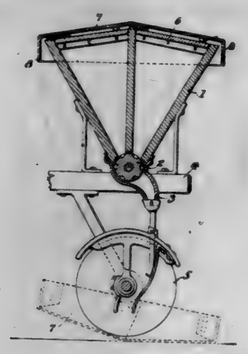
1,567,535. FULL-FASHIONED STOCKING AND ART OR METHOD OF MAKING THE SAME. GEORGE H. MILLER, Philadelphia, Pa., assignor to Arcadia Full Fashioned Hosiery Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed May 13, 1925. Serial No. 29,986. 17 Claims. (Cl. 66—4.)

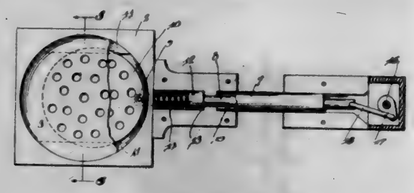
1. A full fashioned stocking having below its beginning edge a ridge consisting of all the loops of a plurality of courses formed in the fabric of the leg, each needle wale above the said ridge, being knitted, through the fabric of the said ridge to one needle wale of the leg below the ridge, and also knitted by lateral transfer into another and different needle wale of the portion of the leg below the ridge, so that each needle wale below the ridge is knitted into its own needle wale and also into another needle wale of the fabric above the ridge, and each needle wale of the fabric above the ridge is knitted into its own needle wale and also by lateral transfer into another needle wale of the fabric below the ridge.

1,567,536. ATTACHMENT FOR SEEDING MACHINES. NELSON W. MILLER, Tiffin, Ohio. Filed June 2, 1924. Serial No. 717,422. 1 Claim. (Cl. 275—1.)



An auxiliary cover for seed drill hoppers comprising a sheet metal blank bent on a central longitudinal line to provide oppositely inclined roof panels, each of said roof panels being provided with a longitudinal side flange and end flanges, the adjacent ends of said end flanges at each end of said cover being overlapped and secured in fixed relation and means for connecting the end flanges with said longitudinal flanges.

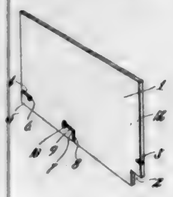
1,567,537. DRAINAGE VALVE. HERMAN MOCKUS, Chicago, Ill. Filed Mar. 18, 1925. Serial No. 16,496. 2 Claims. (Cl. 251—52.)



2. The combination with a drain opening having a perforated plate against the same, of a movable valve plate disposed beneath the first plate and having openings therethru, a longitudinally movable shaft having one end connected to the valve plate, manually operated means connected to the other end of the shaft, a head portion on the shaft, a spring normally bearing against the head for moving the shaft in one direction, a stop shoulder adapted to be engaged by the head to limit the movement of the shaft, a pin carried by the shaft in spaced relation with the head for engaging the stop shoulder upon the opposite side to limit the movement of the shaft in the opposite direction whereby the openings in the valve plate may be aligned with the perforations in the drain plate against the tension of the of the spring thru the manually operated means and the tension of said spring reciprocating the shaft in the opposite direction to move the openings in the valve plate out of alignment with the openings in the drain plate.

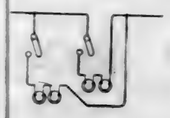
1,567,538. ROOFING. HENRY M. MORGAN, Jr., Norwood, Mass. Filed Feb. 21, 1924. Serial No. 694,188. 12 Claims. (Cl. 108—8.)

1. A roof comprising roofing elements substantially flat from edge to edge laid in overlapping courses, each element having portions of its edges overlapping and underlapping the adjacent edge of an element of the same course



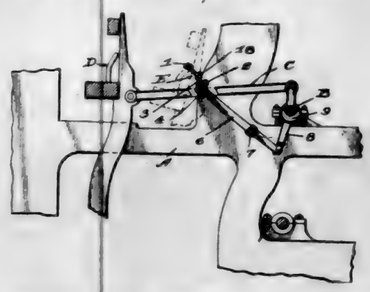
and a portion formed to underlap an element of the next adjacent underlying course.

1,567,539. AUTOMOBILE TRAFFIC SIGNAL. YASABURO MORIMOTO, Hollywood, Los Angeles, Calif. Filed Apr. 16, 1924. Serial No. 706,895. 2 Claims. (Cl. 116—40.)



1. The combination with a housing having a series of compartments, of a collapsible signal semaphore mounted in each compartment, means for extending each collapsible semaphore from its corresponding compartment, a fabric signal element associated with each collapsible semaphore, and connected to the outer extremity thereof, and a spring-actuated roller for each fabric signal element.

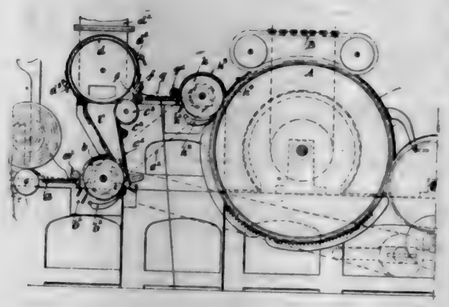
1,567,540. LOOM-CLEANING DEVICE. WILLIAM L. NOBLITT, Shelby, N. C., assignor of one-half to William N. Dorsey, Shelby, N. C. Filed Oct. 3, 1922. Serial No. 592,061. 1 Claim. (Cl. 139—379.)



In combination with a weaving loom having a driving shaft, a filling fork grate mounted for movement in an arc disposed transversely of the axis of the shaft, means operatively connecting the fork grate with the shaft, a fork grate cleaning device comprising a level fulcrumed to the frame of the loom, means connecting the lever with the shaft and adapted to impart oscillatory movement to the lever, a bracket carried at the free end of the lever, a brush, a flat link connected at its inner end with one arm of the bracket and a slot and bolt connection between the outer end of the link and the brush whereby the latter may be advanced toward the filling fork grate, the parts being so arranged and timed that the brush moves in an arc along the tines of the fork when the fork grate arrives at the outer end of the arc of its path of movement.

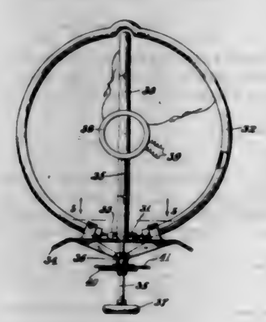


1,567,541. REVOLVING-FLAT CARDING ENGINE. ARTHUR ERNEST OXLEY, Manchester, England, assignor, by direct and mesne assignments, of one-half to The British Cotton Industry Research Association, Manchester, England, and one-half to Platt Brothers and Company, Limited, Oldham, England. Filed Apr. 14, 1925. Serial No. 22,957. 7 Claims. (Cl. 19—99.)



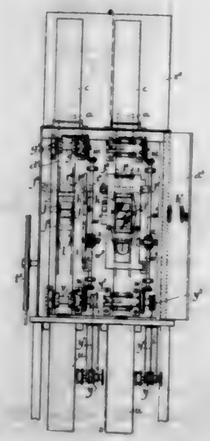
1. In revolving flat carding engines the combination with a main cylinder having a comparatively small number of flats, of two preliminary combing mechanisms one located above the horizontal centre line of the main cylinder, and a comparatively narrow back plate.

1,567,542. CLOSED TUNED COIL OR LOOP AERIAL. GREENLEAF WHITTIER PICKARD, Newton Center, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Original application filed June 30, 1921, Serial No. 481,498. Divided and this application filed Oct. 17, 1923. Serial No. 669,011. 3 Claims. (Cl. 250—11.)



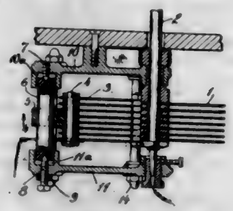
1. Radio directional-loop aerial receiving apparatus comprising two loop aerials operatively and permissively fixed in vertical planes at substantially right angles to and intersecting one another, said aerials thereby permitting production by transmitted waves, of a magnetic field the direction of which coincides with that of such waves; and a rotatable pick-up coil located in said magnetic field, acting as a secondary to said loop aerials as a whole as a primary, and affected by said field save when in a position at right angles to the source of such waves, whereby the position of the pick-up coil determines the direction of said source of waves.

1,567,543. MACHINE OR APPARATUS FOR THE PRINTING OF PHOTOGRAPHIC FILMS. GEORGE FRITZ PORTEN, London, England, assignor of one-half to Ralph Davis, London, England. Filed Apr. 9, 1924. Serial No. 705,348. 2 Claims. (Cl. 95—75.)



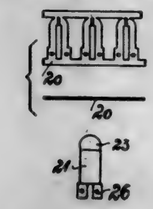
1. Apparatus of the kind heretofore referred to for printing photographic films, comprising a casing, a plurality of exposure windows in said casing, said windows being of a dimension equal to the length of a plurality of consecutive pictures, a common means for intermittently moving films, arranged in contact with master films, past each of said windows, each intermittent movement feeding the films the length of one picture, said means including a common shaft having a beveled gear thereon adapted to engage a beveled gear on a rotatable disc to actuate said disc, and means on said disc for intermittently rotating a plurality of shafts on each of which is mounted a cam for controlling the movement of said films past the windows.

1,567,544. INSULATOR STRUCTURE FOR ELECTROSTATIC CONDENSERS AND THE LIKE. ISAAC P. RODMAN, Newark, N. J., assignor to Garod Corporation, Newark, N. J., a Corporation of New Jersey. Filed Mar. 8, 1924. Serial No. 697,725. 5 Claims. (Cl. 250—41.)



1. An electrostatic condenser comprising a plurality of sets of plates disposed in spaced relation one to another, at least one of said sets of plates being supported on a support of dielectric material, and supporting elements in contact with two ends of said support, the contact areas between said supports and said supporting elements being very small.

1,567,545. ELECTRIC MINE FUSE. NIKOLAUS SCHMITT, Niederlossnitz, near Dresden, and OTTO SCHMITT, Kuppersteg, near Cologne, Germany. Filed June 23, 1924. Serial No. 721,940½. 11 Claims. (Cl. 102—10.)



1. A fuse head for electric mine fuses the poles of which are stamped out of sheet metal and partly embedded under pressure in a material becoming plastic under the influence of heat.

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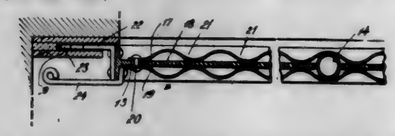
1,567,546. DOOR. EZRA B. SMITH, Ravenswood, Ill., assignor to John Edward Ogden, Mountainville, N. Y. Filed Dec. 11, 1922. Serial No. 606,275. 16 Claims. (Cl. 189—46.)

1. A door comprising a rigid frame, corrugated metallic sheets secured thereto and a plurality of independent reinforcing members disposed between said sheets and secured to said frame.

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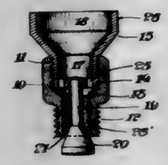
1,567,547. PRIMING CUP. OSCAR AUGUST SMITH, East Cleveland, Ohio; The Cleveland Trust Company administrator of said Oscar A. Smith, deceased. Filed July 17, 1924. Serial No. 726,475. 5 Claims. (Cl. 123—187.5.)



5. A priming device comprising a body member having an exteriorly threaded hollow stem provided with a valve seat, and an enlarged interiorly threaded chamber of materially greater interior diameter than the interior diameter of said hollow stem, a shiftable fluid-receiving chamber having an extended chamber portion exteriorly threaded into the chamber of the body and having an interior diameter as great as the interior diameter of the hollow stem, thereby materially increasing the capacity of the fluid-receiving chamber and provided with a perforated bottom wall, and a depending valve stem connected with said bottom wall and having a valve cooperating with said valve seat, said valve opening in the direction of the flow of the fluid.

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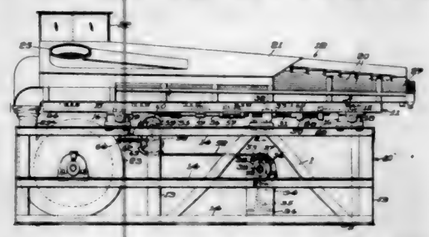
1,567,548. TABLE CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Mar. 13, 1924. Serial No. 698,877. 12 Claims. (Cl. 74—14.)

1. Operating mechanism for imparting a vibratory movement to concentrator decks and other frames supported for reciprocatory movement, comprising in combination, a rotating shaft having an eccentric that is rotated at a uniform speed, a lever pivotally mounted for rocking movement and having a surface against which the eccentric acts and the greater active portion of which surface is located from the lever pivot at the



far side of the axis of rotation of the eccentric to thereby effect a rocking movement of the lever which is more rapid in one direction than the other, and a connection between the lever and frame to actuate the latter.

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1,567,549. OPERATING MEANS. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Oct. 8, 1924. Serial No. 742,386. 13 Claims. (Cl. 74—14.)

1. In a device of the class described, the combination of a supporting base, a frame supported by the base for vibratory movement, means for moving the frame in one direction, means for moving the frame in the opposite direction, including levers pivotally secured to the base at each side thereof, cables operatively connecting each lever to a side of the frame, and a pair of angularly disposed eccentrics for rocking one lever and a second pair of angularly disposed eccentrics for rocking the other lever.

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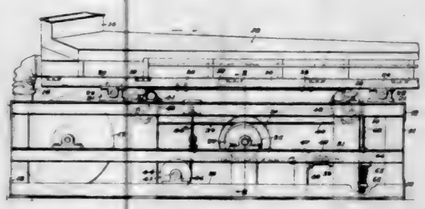
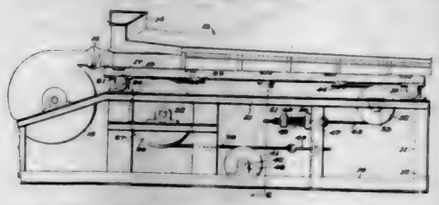
1,567,550. OPERATING MEANS. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Oct. 8, 1924. Serial No. 742,387. 25 Claims. (Cl. 74—14.)



1. A device of the class described comprising, in combination, a supporting casing, a frame provided with a material supporting surface and mounted upon the casing for movement back and forth in the direction of its length, means for moving the frame in one direction, a pair of cables for moving the frame in the opposite direction and for controlling the movement of the frame under the action of said means, and a pair of eccentrics for operating the respective cables, said eccentrics being angularly disposed so that one controls the movement of the frame thru one cable during part of a complete revolution and the other eccentric controls the movement of the frame thru the second cable during a different portion of said complete revolution.



1,567,551. OPERATING MEANS. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Oct. 8, 1924. Serial No. 742,388. 7 Claims. (Cl. 74—14.)



1. A device of the class described, comprising, in combination, a supporting casing, a frame supported by the casing for back and forth movement and having a material supporting surface, means for moving the frame in one direction, a pair of cables for moving the frame in the opposite direction and for controlling its movement under the action of said means, means for securing one end of each cable to the supporting casing and the other end to the frame, and a pair of eccentrics acting against an intermediate portion of the respective cables to actuate the frame by pulling the cables and slacking them off.

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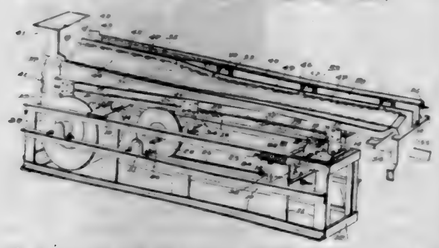
1,567,552. TABLE CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Nov. 5, 1924. Serial No. 747,903. 6 Claims. (Cl. 209—467.)



1. A double deck for a table concentrator, comprising in combination, a pair of deck surfaces extending side by side and each inclined transversely at the same inclination thruout its length and in a direction so that the surfaces slope upwardly toward their adjacent edges, a concentrate wall common to the two deck surfaces and extending part way along the crest formed by the meeting deck surfaces, a pair of spaced parallel concentrate walls extending along the deck surfaces for another portion of the length of the deck and forming a material receiving passage between them, riffles extending in a diagonal direction upon each deck surface and terminating along the concentrate walls, buffer blocks along said walls against which the concentrates pile up, and gates along the spaced concentrate walls for drawing off the concentrates.

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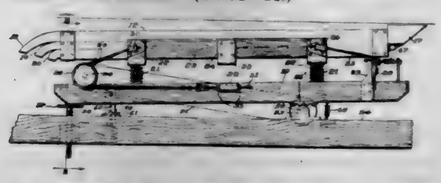
1,567,553. OPERATING MEANS. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Nov. 5, 1924. Serial No. 747,933. 10 Claims. (Cl. 74—14.)



7. A separator for treating materials comprising, in combination, a supporting base, a frame yieldingly supported upon the base for vibratory movement toward and from the base, eccentrics disposed at the opposite sides of the base, and means operated by said eccentrics to pull the frame toward said base and then release it to move away from the base under the action of its yielding support.

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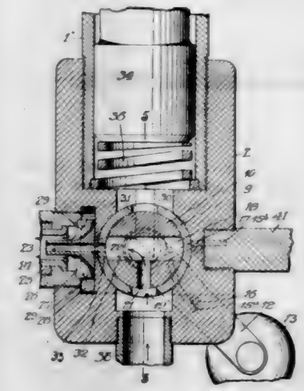
1,567,554. FLUID-PRESSURE HAMMER. EDWARD W. STEVENS and JAMES A. MOORE, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 25, 1920 Serial No. 405,863. 3 Claims. (Cl. 121—21.)



1. In a fluid pressure hammer, the combination of a cylinder having a piston chamber, a piston reciprocable therein, a valve casing at the rear end of the cylinder and having a passage direct from a source of fluid pressure to the rear end of the piston chamber, a valve mounted to oscillate in the casing and having a port to control said passage, a second port to control the exhaust from the rear end of the piston chamber, and a third port communicating with the first port and an ejector device cooperating with said second port and with said third port for creating a vacuum in the rear end of the piston chamber.

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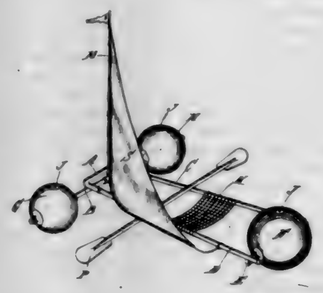
1,567,555. FLOAT OR RAFT FOR SWIMMING PURPOSES AND THE LIKE. NICHOLAS STRAUSSLER, London, England. Filed Dec. 17, 1924. Serial No. 756,439. 11 Claims. (Cl. 9—21.)



3. In a device of the kind set forth, an open frame comprising floats carried on cross members, said floats being in the form of inflatable rubber balls having tubu-

lar diametrical passages through which said cross members can be passed before inflation, said balls when inflated being adapted to grip said cross members in said passages by the internal pressure in said balls after inflation.

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1,567,556. BALLOON-ENVELOPE MATERIAL AND PROCESS OF MANUFACTURING THE SAME. ERICH TRENCKMANN and BRUNO TRENCKMANN, Berlin-Tempelhof, Germany, assignors to B. G. Textilwerke G. m. b. H., Berlin-Tempelhof, Germany. Filed Aug. 27, 1921. Serial No. 495,934. 7 Claims. (Cl. 154—2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. The process for making balloon envelop material which consists in moistening a sheet of one or more layers of animal provenience, stretching same, applying a mixture of a substance having the principal characteristics of glue and a substance adapted to render glue elastic, placing a sheet of fabric thereon and applying pressure.

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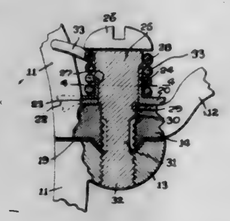
1,567,557. EYEGLASS CONSTRUCTION. ALFRED VEILLETTE, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a Corporation of Maine. Filed Jan. 27, 1921. Serial No. 440,263. 8 Claims. (Cl. 88—50.)



1. In eyeglass construction, in combination, an eyeglass frame member having a pair of substantially registering end members, one of said end members having a projecting part and an opening passing through said projecting part, said opening having a threaded portion and an unthreaded portion, the other of said end members having a recess with which said projecting part mates and having a threaded opening at said recessed portion registering with said first opening and forming therewith a continuous threaded passage, and a threaded connecting device coacting with said openings, having a portion adapted to mate with said unthreaded portion of said first passage and shaped to be brought into threaded engagement with either of said end members exclusively of the other.

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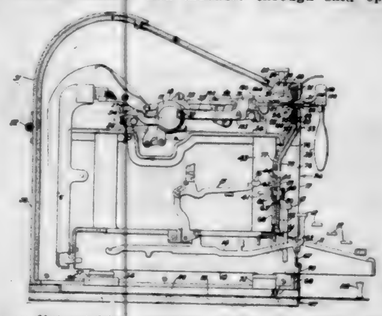
1,567,558. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 12, 1922. Serial No. 528,703. 25 Claims. (Cl. 197—186.)

1. The combination with a typewriting machine, of a sound-deadening casing therefor, having an opening in the lower portion of one of its walls just above the floor of the casing, a closure member movable into position to seal said opening and prevent the emission of sound from the casing, and a dirt-catcher mounted on the closure member and movable through said opening



into a dirt-catching position within the casing and beneath the machine, when the closure member is moved to position to close the opening.

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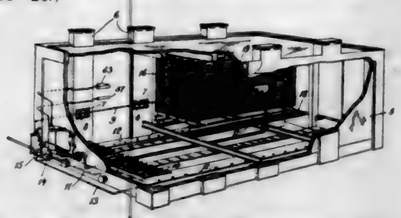
1,567,559. DRYING WOOD, LUMBER, AND THE LIKE. JOHN BERCHMANS WELCH, New Orleans, La. Filed May 24, 1924. Serial No. 715,516. 34 Claims. (Cl. 34—24.)



9. The improvement in the kiln drying of materials which require different conditions of temperature and humidity during the drying operation, which comprises predetermining the desired different conditions of temperature and humidity for the material to be dried, producing within the kiln a continuing action indicative of changes in a varying characteristic of a representative sample of the material being dried as the drying operation progresses, and employing said action to establish the predetermined different conditions of temperature and humidity within the kiln as the drying operation progresses.

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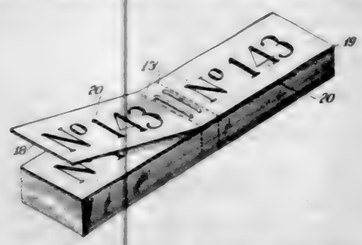
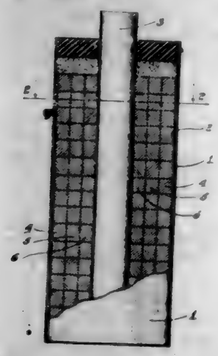
1,567,560. APPARATUS FOR PLAYING PARLOR GAMES. SAMUEL WORTH, Chicago, Ill. Filed May 18, 1925. Serial No. 31,043. 10 Claims. (Cl. 273—139.)




1. In a tablet, a plurality of strips having perforations at each side of the transverse center dividing it into two tickets, both tickets of each pair having the same identification on their upper sides, a sealing strip covering the opposite side of each ticket, penalties printed on each ticket under the sealing strip, and means between the perforations holding the strips together.



1,567,561. DRY CELL. VICTOR YNGVE, South Orange, N. J., assignor to Manhattan Electrical Supply Company, Inc., New York, N. Y., a Corporation of Massachusetts. Filed Nov. 14, 1923. Serial No. 674,611. 7 Claims. (Cl. 136—136.)



1. In a dry cell, a depolarizing mix composed of a plurality of compacted washers, each washer composed of a plurality of separate sections of varying consistency.

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1,567,562. SUPPORT FOR ELECTRICAL APPARATUS. HAROLD H. YOUNG and EARLE A. RYDER, Keyport, N. J. Filed Mar. 26, 1924. Serial No. 702,033. 13 Claims. (Cl. 250—14.)

1. In a radio signalling apparatus, the combination of a pair of flat elongated wall portions and a plurality of tie members therefor so spaced respectively as to permit of the introduction of vacuum tubes therebetween in a manner so that said wall portions and tie members will provide a lateral support for the same.

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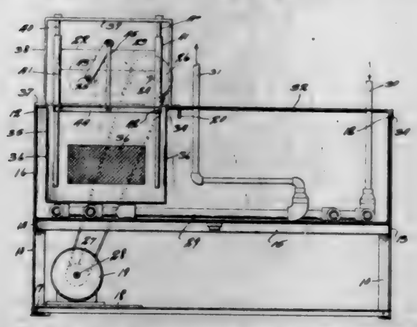
1,567,563. EGG-DIPPING MACHINE. ELMER E. ANDERSON, La Grande, Oreg. Filed Oct. 8, 1925. Serial No. 61,288. 10 Claims. (Cl. 99—2.)



1. In a machine for applying preservative fluids to eggs, a tank to contain the fluid, a second tank removably supported from the first named tank and projecting thereinto and having perforated side walls, a support extending over the last named tank and supported from the first named tank, guides projecting downwardly from the support and into the last named tank, members vertically slidable upon said guides, a platform carried by the members and means for vertically reciprocating the platform.

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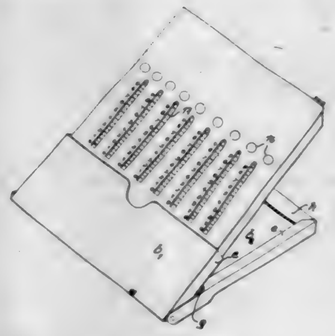
1,567,564. CALCULATING DEVICE. JEAN BERGMANN, Wannsee-Berlin, Germany. Filed Oct. 20, 1923. Serial No. 669,701. 3 Claims. (Cl. 235—69.)



1. In a calculating device of the kind as described, a plate provided with adjacent slots, graduated slides reciprocable in said slots, racks on said slides, multi-tooth pinions in engagement with said racks, and a star wheel in fixed relation to each of said pinions, whereby, said star wheels being rotated during a computing process, their correlated slides are advanced through a graduated degree.

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1,567,565. RECEIVING SYSTEM. QUINCY A. BRACKETT, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 30, 1921. Serial No. 456,854. 3 Claims. (Cl. 250—8.)

1. A signal-current amplifying device comprising an electron tube having two plates and a cathode, means for selectively modulating the internal impedance of one of the plate circuits to a greater extent than the other, means for impressing said modulating means with currents varying in accordance with a received signal, balanced impedance devices serially connected across said plates, a circuit including a source of electrical energy connected between said cathode and the common junction of said impedance devices, a signal translating device, and means for operatively associating said translating device with a portion or all of said impedance devices whereby disturbances in the balancing are detected.

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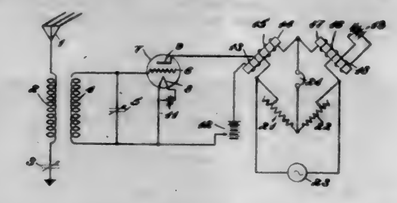
1,567,566. RECEIVING SYSTEM. QUINCY A. BRACKETT, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 12, 1921. Serial No. 460,615. 1 Claim. (Cl. 250—8.)

In a signal receiving device, a Wheatstone bridge, equal inductors, one in each of two arms of said bridge,

iron cores, one for each of said inductors, means for supplying flux for maintaining said cores at equal de-



grees of permeability, said means including distinct sources of direct current, one for each core, and means for superposing a signal current on one of said direct currents.

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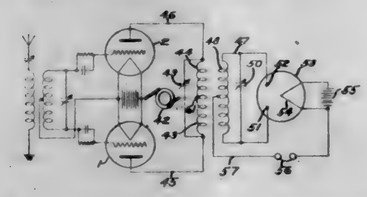
1,567,567. WIRELESS RECEIVING SYSTEM. QUINCY A. BRACKETT, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 555,279. 5 Claims. (Cl. 250—8.)



1. In a radio receiving system, a Wheatstone bridge having signal-controlled impedances in two arms, a source of audio-frequency current in one diagonal and a detector and translating device in the other diagonal.

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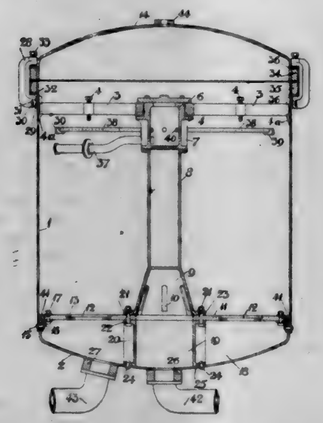
1,567,568. KIER FOR THE BLEACHING, DYEING, OR ANALOGOUS TREATMENT OF WOUND YARNS. JOHN BRANDWOOD, THOMAS BRANDWOOD, and JOSEPH BRANDWOOD, Elton, Bury, England. Filed July 5, 1923. Serial No. 649,675. 2 Claims. (Cl. 8—18.)



1. In a kier for the bleaching, dyeing and analogous treatment by fluid under pressure of yarns wound upon a perforated beam, a cylindrical shell forming the main portion of the kier, a dished lower end therefor, a diaphragm dividing the interior of the shell from that of the dished end to form an upper and a lower chamber within the kier, orifices in the diaphragm around which orifices are formed seatings for perforated beams, a central pillar within the kier to carry the means for holding the yarn beams upon their seats, ports in such central pillar, a conduit traversing the lower kier chamber to put said ports in communication with a circulating pump, and an opening in the lower chamber to give communication between the interior of such chamber and the said pump.

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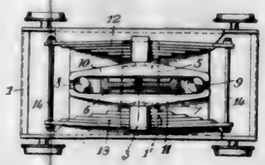
1,567,569. BOGIE OF VEHICLES RUNNING ON RAILS. JAKOB BUCHLI, Winterthur, Switzerland, assignor to the Firm Swiss Locomotive and Machine Works, Winterthur, Switzerland. Filed Aug. 29, 1924. Serial No. 734,916. 4 Claims. (Cl. 105—199.)



1. In a vehicle running on rails and particularly at high speeds, a vehicle frame, a bogie having a frame, and means adapted to operatively connect the frame of said bogie to the frame of said vehicle and including a pivot connection permitting of a lateral movement of the bogie relatively to the frame, projecting parts provided on at least one of said frames and arranged in pairs whereby one projection of a pair is in front of and the other behind the pivot, and resilient means adapted to cooperate with said projections, so that a turning moment is generated by said resilient means causing a return of the bogie into its mid-position when the latter has carried out a turning movement and that the turning moment disappears when the bogie has been shifted transversely besides carrying out a turning movement.

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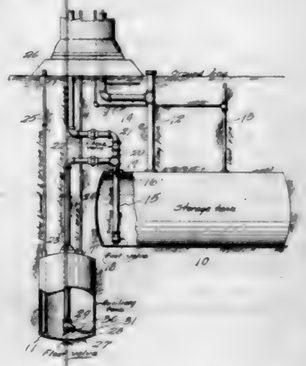
1,567,570. LIQUID-DISPENSING SYSTEM. JOHN J. CATRON, Bonham, Tex., assignor to Catron Manufacturing Company, Bonham, Tex., a Corporation of Texas. Filed Aug. 8, 1924. Serial No. 730,977. 3 Claims. (Cl. 221—74.)



1. In a liquid dispensing system, the combination of a liquid storage tank, a pressure tank at a level below the storage tank, a siphon line extending from the storage tank to the pressure tank, a portion of the siphon line serving as a pressure discharge line for the pressure tank for conveying liquid therefrom, and means at the lower end of the siphon line in the pressure tank controlled by the level of the liquid in the pressure tank for closing the lower end of the siphon line when the liquid reaches a predetermined low level in the pressure tank and thus maintaining a siphon in the line.



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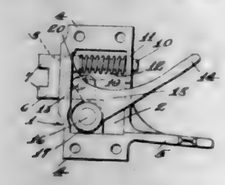
1,567,571. SASH LOCK FOR RAILWAY-CAR WINDOWS. EDWARD F. CHAFFEE, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Oct. 9, 1923. Serial No. 667,496. 1 Claim. (Cl. 292—173.)



A sash lock, comprising a casing formed with a recess opening through its rear face, a bolt movable transversely of the recess through a lateral wall of the recess, a spring acting on the bolt, and normally tending to press it outwardly into locking position, an operating lever mounted in the recess and removable and replaceable by an axial movement of the lever, the lever having an arm detachably engaged with the bolt by a pin and slot connection, said arm having a projection interlocking with the bolt at one end of the slot, to normally prevent axial displacement of the lever, said arm being arranged so that upon movement of the bolt against action of the spring relative to the operating lever, the bolt moves out of locking engagement with said arm to permit axial displacement of the lever.

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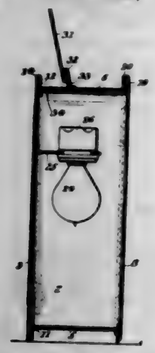
1,567,572. ILLUMINATED SIGN. NORMAN N. CHERRY, Springfield, Ohio. Filed Nov. 19, 1924. Serial No. 750,838. 1 Claim. (Cl. 40—133.)



An illuminated sign of the class described, comprising a rectangular box-like casing having side, bottom and top panels provided at their forward edges with flanges, over which are bent the edges of a front panel, said front panel having perforations arranged close to one another and formed to represent some letter of the alphabet, a rear removable panel provided with top and side edges adapted to cooperate and serve as guides with the edges of the said side panels, a bracket mounted on the inner face of said front panel, a lamp mounted within said casing and supported on said bracket, an upwardly and forwardly inclined sign panel supported upon said top panel in parallel relation with the forward edge thereof, said top panel being further provided with an elongated slot parallel with, but forward of said inclined sign panel for the purpose of illuminating said sign panel, the rays of light from the aforesaid lamp penetrating the aforesaid perforations in the front panel, tending to show the said perforations converged, substantially as described.

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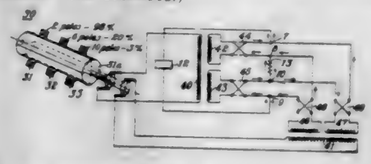
1,567,573. RECTIFIER. LEWIS WARRINGTON CHUBB, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 2, 1920. Serial No. 427,762. 13 Claims. (Cl. 175—363.)



7. In a rectifying system, the combination with rectifying means, of a polyphase supply circuit having a waveform such as to produce a rectified wave of substantially sine shape.

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1,567,574. SPECIAL FABRIC PROPELLER. NOBLE S. CLAY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 20, 1923. Serial No. 663,739. 15 Claims. (Cl. 170—159.)

1. A propeller comprising a fabric the strength of which is greater in one direction than in another and a phenolic condensation product as a binder.

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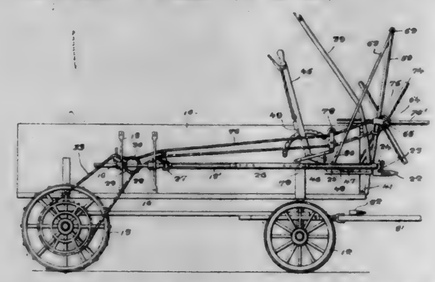
1,567,575. SHAFT-HANDLE-RETAINING MEANS. JOSEPH CUNNINGHAM, Glen Carbon, Ill. Filed Feb. 29, 1924. Serial No. 696,095. 1 Claim. (Cl. 287—53.)

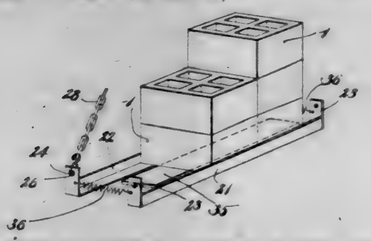
A device of the class described comprising a shaft tapered at its free end, said tapered portion being polygonal in cross section and being formed in one flat face with a recess providing a pocket, the outer end of the recess being closed and disposed inwardly of the corresponding end of the shaft, said pocket being open only upon its top, there being a notch formed at the opposite end of the recess, a latch of a length substantially equal to the length of said pocket, a shaft extending crosswise of said pocket, said latch being pivoted at its inner end upon said shaft, said latch being formed at its outer end with an angular extension providing a shoulder and having an extension at its inner end projecting into a notch provided at the adjacent end of said pocket, and a spring arranged in said pocket between the bottom of the same and said latch.

1,567,576. HARVESTING MACHINE. WESLEY H. DEAN, Roger Mills County, Okla. Filed Dec. 6, 1923. Serial No. 678,906. 4 Claims. (Cl. 56—58.)



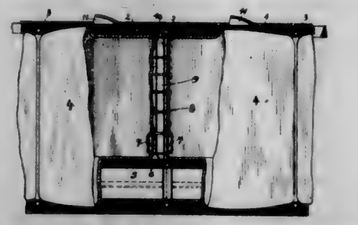
1. In combination, a body, a pair of rods pivoted to the body, guide loops on the rods, a crank rockably mounted on the body and having an extension in the loop, a sickle on the rods, a frame pivoted to the sickle, bearings slidable on the frame, a beater journaled in the bearings, means for holding the bearings in different adjusted positions, a brace pivoted to the frame, and adjustable connecting means between the brace and the rods.

1,567,577. APPARATUS FOR PILING, HANDLING, AND UNLOADING ARTICLES. SEIRAK DERDERIAN, Watertown, Mass. Filed May 26, 1925. Serial No. 33,008. 1 Claim. (Cl. 214—6.)



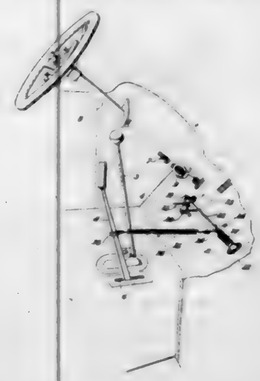
Apparatus for handling a plurality of heavy articles in stacked units, comprising a pallet adapted to support and carry a bottom row of said articles, said pallet being of substantially less width than the width of said bottom row and of substantial thickness to permit the insertion under said articles of a pair of cooperating angle irons having horizontally disposed flanges of equal or less thickness than the thickness of the pallet, and hoisting means for said angle irons.

1,567,578. GAS DISCHARGE FROM AIRSHIPS. WILHELM ERNST DÖRR, Ueberlingen, Germany, assignor to Luftschiffbau Zeppelin G. m. b. H., Friedrichshafen, Germany. Filed Mar. 1, 1923. Serial No. 622,096. 3 Claims. (Cl. 244—3.)



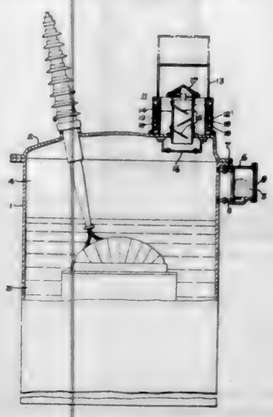
1. A rigid airship comprising a hull consisting of longitudinal and of cross members, a cover on said hull, gas cells within said hull, valves in the walls of said gas cells, gas passages between said gas cells in the planes of said cross members and offset bends at the upper ends of said passages having outlets remote from the intersection of cross members and longitudinal members.

1,567,579. GUARD FOR MOTOR VEHICLES. GEORGE M. EAMES, Bridgeport, Conn. Filed Mar. 3, 1924. Serial No. 696,568. 2 Claims. (Cl. 74—81.)



1. In a motor-vehicle, the combination with an emergency-brake lever, a foot-board and a foot-actuated throttle-member projecting above said foot-board, of a guard shiftable from an inoperative position into a position overlying said throttle-member whereby said guard is interposed between an operator's foot and the throttle-member to prevent a normal actuation of said throttle-member, and an operative connection between said guard and emergency-brake lever for shifting the guard from an inoperative to its operative position.

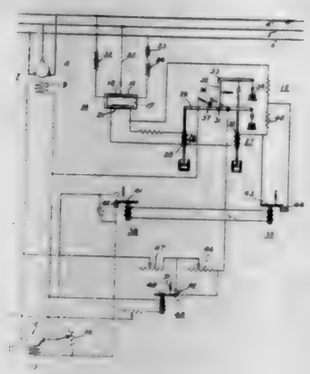
1,567,580. ELECTRICAL APPARATUS. OTTO H. ESCHHOLZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 26, 1923. Serial No. 641,620. 8 Claims. (Cl. 220—85.)



1. The combination with a casing, of pressure-relieving means therefor comprising a gasometer communicating with said casing, and baffles interposed between said casing and said gasometer.

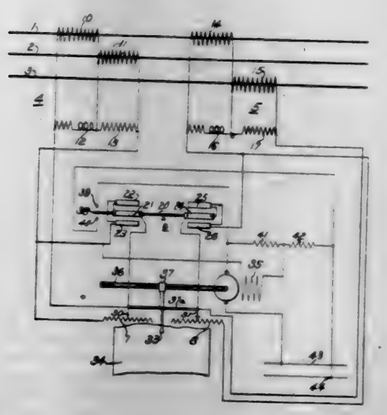


1,567,581. REGULATOR SYSTEM. ROBERT D. EVANS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 12, 1921. Serial No. 460,782. 30 Claims. (Cl. 171—119.)



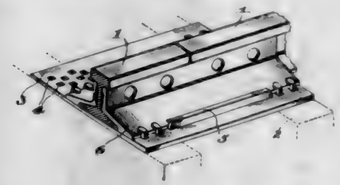
1. In a regulator system for maintaining a substantially constant voltage upon a polyphase supply circuit, the combination with a regulator, of means connected between the regulator and the circuit whereby the regulator is energized in accordance with one symmetrical component of a polyphase electrical quantity of said circuit.

1,567,582. UNBALANCED FACTOR METER. ROBERT D. EVANS, Pittsburgh, and RAYMOND T. PIERCE, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 16, 1921. Serial No. 501,078. 11 Claims. (Cl. 172—245.)



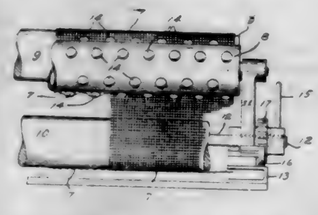
1. A measuring device for a polyphase circuit comprising means for producing different symmetrical components of an unbalanced quantity, a balancing relay and means for applying said components to different elements of said relay.

1,567,583. RAIL-JOINT PLATE. OLIVER C. FANSLER, Gassaway, W. Va. Filed Aug 12, 1925. Serial No. 49,800. 4 Claims. (Cl. 238—289.)



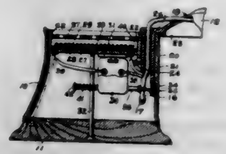
1. A support for rails including a base plate, said base plate adapted to span the ties, the portion of the base plate resting on the ties being beveled to give an inclined surface to said plate, and the portion of the base plate between the ties functioning as a spacer member.

1,567,584. FELT CONDITIONER FOR PAPER MACHINES. WILLIAM P. FERNEY, Cheboygan, Mich. Filed Dec. 17, 1924. Serial No. 756,380. 3 Claims. (Cl. 92—50.)



1. A felt reconditioner comprising means for separating the strands of the felt embodying knob-like members adapted to be pressed upon the felt.

1,567,585. COMBINED ELECTRIC LAMP AND GRILL. JOSEPH C. FELDMAN, New York, N. Y., assignor to Tillie K. Feldman, New York, N. Y. Filed Oct. 2, 1924. Serial No. 741,217. Renewed Oct. 22, 1925. 6 Claims. (Cl. 219—19.)

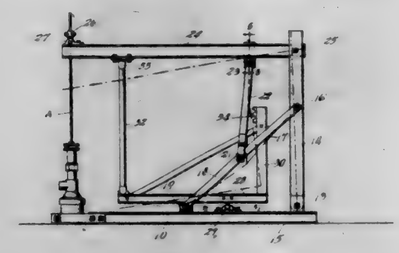


1. The herein described combination electric lamp and grill comprising a circuit, a lamp and a grill in said circuit, a switch for throwing said grill out of said circuit, and a support for said lamp which is movable relatively to said grill, said support being arranged to operate said switch according to the predetermined position of said support.

1,567,586. PUMP JACK. FRANK GARDNER, Dallas, Tex. Filed Oct. 9, 1924. Serial No. 742,557. 10 Claims. (Cl. 74—5.)

1. In a pump jack, a base, a Samson post pivoted to the base, a beam pivoted at one end to the post, bracing members pivotally connected at their outer ends to the base and post respectively and at their inner ends to each other, a link pivotally connected at one end to the

pivotally connected ends of the bracing members and at its other end to the beam at a point adjacent to the pivoted end of the latter, a rocker, and a pitman con-



nected to the rocker and to the beam, the point of connection of the pitman to the beam being between the free end of the beam and the point of connection of the link therewith.

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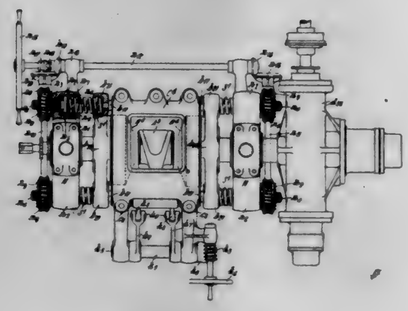
1,567,587. APPARATUS FOR TREATING RUBBER AND THE LIKE. FRANK GARNER, Chapel-en-le-Frith, and ALFRED HALL, Ansdell, England. Filed Mar. 6, 1924. Serial No. 697,329. 24 Claims. (Cl. 18—2.)



1. In a machine for grinding, mixing or masticating rubber and the like in combination;—a fixed casing; a rotating member mounted within the said casing, one side of the rotating member having surfaces inclined to the plane of rotation; means for revolving the rotating member within the casing; a charging opening in the periphery of the casing through which the material to be treated may be fed into the space between the said side of the rotating member and the adjacent end of the casing, the rotating member and the casing being so mounted as to permit of limited axial movement between them in opposition to a yielding force.

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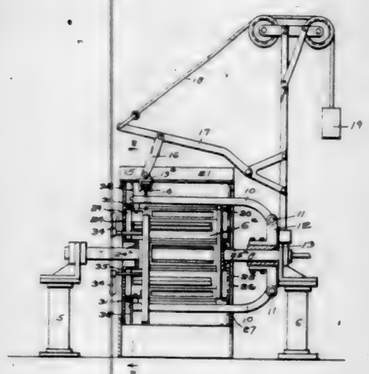
1,567,588. ICE-CREAM-CONE-BAKING MACHINE. GIUSEPPE GERACE, Lebanon, Pa. Filed Nov. 1, 1924. Serial No. 747,210. 4 Claims. (Cl. 107—58.)

4. In combination with a cone baking machine comprising a plurality of radially swinging arms of a drum enclosing said machine, said drum having an opening at its top through which the uppermost of said arms may swing radially outward, front and rear walls for said drum secured to the machine and rotating therewith, the front wall having an inturned flange upon its inner face and the flange having as many sides as there are radially swinging arms, and plates carried by said arms



having their inner edges shaped to co-act with said flange and having their outer edges curved to conform to the internal diameter of the drum.

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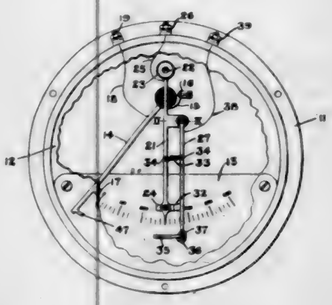
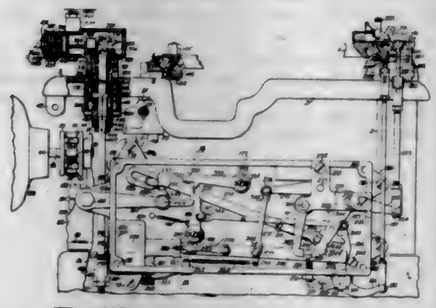
1,567,589. THERMOSTAT. LEWIS J. GREENAWALT, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Apr. 29, 1922. Serial No. 557,263. 6 Claims. (Cl. 200—138.)



1. A combined temperature-indicating, limiting and controlling device, comprising a manually adjustable member having a plurality of contact members thereon, an auxiliary arm insulated from and carried by said adjustable member and having a contact member normally resiliently engaging one of the contact members on said adjustable member, an indicating member having a contact member thereon and thermally responsive means for controlling the position of said indicating member and effective to cause the contact member thereon to engage the other of said contact members on said adjustable arm at a predetermined temperature.



1,567,590. TYPEWRITING AND LIKE MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Feb. 6, 1925. Serial No. 7,218. 70 Claims. (Cl. 197—65.)



1. In a typewriting machine, the attachable and detachable frame for the driving train of a power carriage return mechanism, inserted at its upper end in a hole in the top plate of the machine and secured at its lower part to the base of the typewriter.

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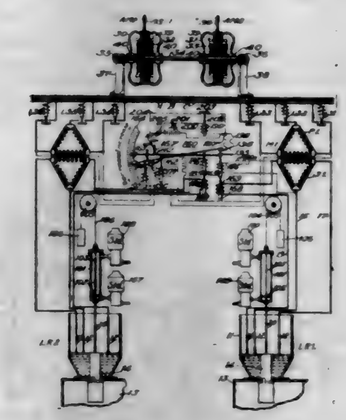
1,567,591. SYSTEM OF CONTROL. RUDOLF E. HELLMUND, Swissvale, Pa. Filed Mar. 13, 1920. Serial No. 365,398. 9 Claims. (Cl. 177—311.)



2. The combination with a plurality of asynchronous motors, of a plurality of speed-indicating members, one for each motor, means for actuating said members said actuating means including a voltage coil and a current coil energized by the respective motor secondary voltages and means dependent upon the relative movement of the indicating members caused by differences in speed of the motors to produce a signal.

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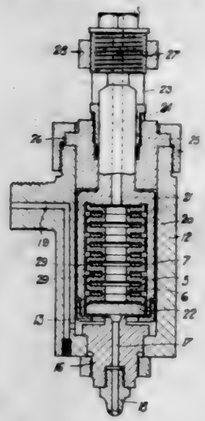
1,567,592. MEANS FOR CONTROLLING VALVES AND THE LIKE BY FLUID PRESSURE. KNUT JONAS ELIAS HESSELMAN, Saltsjo-Storangen, near Stockholm, Sweden. Filed Oct. 1, 1925. Serial No. 59,989. 4 Claims. (Cl. 137—156.)

1. In a fluid pressure operated device for controlling valves, a casing adapted to be internally subjected to the fluid pressure, a set of annular flexible disks adapted to be inserted in said casing so as to loosely engage each other to form a longitudinally flexible, hollow column, an imperforate end piece at one end of said column, an



apertured end piece at the opposite end of said column, and means individual to each of said disks to prevent said disks from lateral displacement relatively to each other.

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1,567,593. SUPPORT FOR TYPEWRITING MACHINES. EUGEN HIRSCH, Berlin, Germany. Filed Apr. 20, 1925. Serial No. 24,664. 1 Claim. (Cl. 45—137.)

A support for typewriting machine comprising a wire member having horizontal loops provided with upturned ends, a sound deadening base secured to said loops, a tie member connecting said upturned ends and a receptacle secured on the tie member to form a socket for a typewriter foot.

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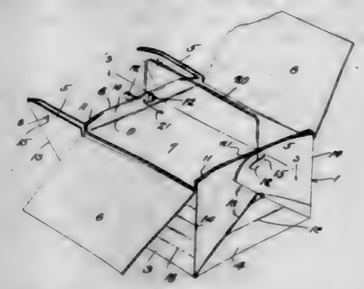
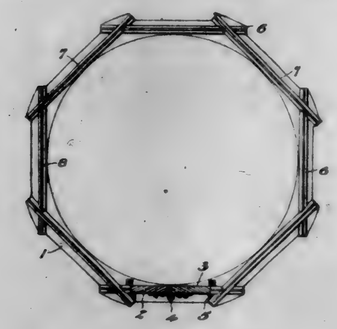
1,567,594. ICE-CREAM CONTAINER. ALBERT HITZERT, Saginaw, Mich. Filed May 20, 1925. Serial No. 31,050. 1 Claim. (Cl. 229—24.)



A collapsible paper container formed from a single sheet of material cut in the form of a Greek cross with foldable wings connecting the arms thereof at their points of intersection, said arms being bendable transversely at their junction with each other whereby a rectangular bottom with upstanding side walls is formed on the setting up of the container, the free ends of said arms

being bendable transversely to form overlying top flaps, said foldable wings overlying the ends of the container, and means connecting said wings with said sides, the side walls of said container being provided with transversely extending vertically spaced grooves which perform the double function of markers for the material in the container and as spacers to provide air chambers.

1,567,595. SILO. CLARENCE HOARD, Victoria, British Columbia, Canada. Filed Mar. 15, 1924, Serial No. 699,564. Renewed June 15, 1925. 2 Claims. (Cl. 20—1.4.)

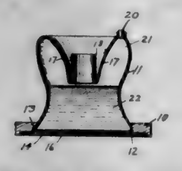


1. In a silo, a series of intersecting timbers forming a horizontal course, each of said timbers having a pair of spaced vertical grooves at its inner side having their walls disposed on converging lines and transversely extending notches at one edge of said timber merging with said grooves to form tenons.

1,567,596. PEN AND PENCIL CASE. CHARLES EDWARD ITSKIN, Louisville, Ky. Filed July 28, 1924. Serial No. 728,703. 3 Claims. (Cl. 120—9.)

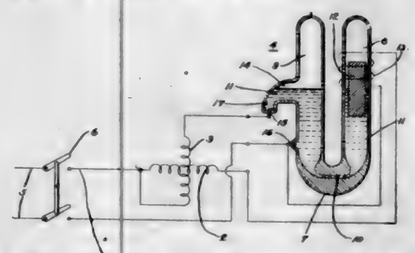
1. A pencil holder of the class described including a cylindrical body adapted to hold a pencil at one end, and having its other end hollow and formed in a pair of hinged sections, and a cap receivable over said sections to hold them together.

1,567,597. INKWELL. ANTHONY JANUSZ, Turners Falls, Mass. Filed July 27, 1922. Serial No. 577,928. 1 Claim. (Cl. 120—73.)



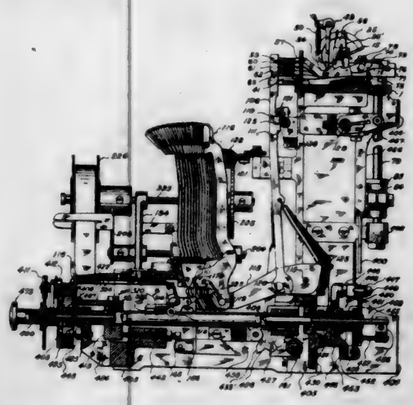
An ink well, comprising a structurally integral hollow body having a base wall and a side wall rising from the base wall at an upward inward inclination thereto, said wall above the lower portion curving inwardly and then outwardly, the upper end of said wall being rounded and extended as an inverted conical section within said wall, the bottom of the conical section terminating approximately in the transverse plane of the upper end of the inwardly curved portion of the side wall, and an entrance member of cylindrical form integral with the reduced end of the conical portion and extending upwardly within said conical portion and terminating on a plane materially below the upper end of the side wall.

1,567,598. MOTOR-STARTING SWITCH. OLIVER S. JENNINGS, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 20, 1923. Serial No. 652,673. 2 Claims. (Cl. 172—279.)



1. The combination with an electric device having a running winding and a starting winding normally connected in parallel, of a fluid switch normally closing the circuit through the starting winding and an electromagnet connected in the circuit for actuating the fluid to open the circuit through the starting winding, and means for regulating the movement of the fluid.

1,567,599. TELEGRAPH TYPEWRITER. EDWARD E. KLEINSCHMIDT, Long Island City, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Filed Aug. 11, 1923. Serial No. 656,857. 32 Claims. (Cl. 178—21.)

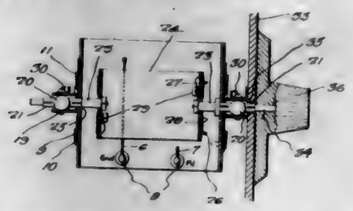


1. In a printing telegraph machine, a subcombination comprising a selecting mechanism embodying a plurality of notched selector members; a plurality of actuating bars controlled by said selector members; a plurality of type bars connected to said actuating bars; operating means for said actuating bars, and a restoring spring individual to each of said actuating bars and the type-bar connected thereto; said subcombination being so proportioned, balanced and constructed that a printing impression of a selected character may be effected in widely different planes, whereby said subcombination



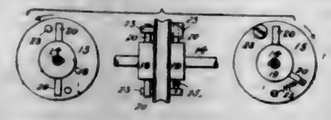
may coact with a page printing platen with an upward printing stroke of said type bars, and may coact with a tape printing platen in a tape printing machine to effect a downward printing stroke of said type bars.

1,567,600. INDUCTANCE COIL. PATRICK J. KELLY, Philadelphia, Pa. Filed Mar. 22, 1924. Serial No. 701,194. 5 Claims. (Cl. 171—242.)



4. A three circuit inductance coil comprising a pair of stator coils, one of said stator coils being formed of a pair of separated sections of continuously wound wire, the sections being joined by substantially a half turn of said wire, the other stator coil being formed in a pair of sections directly wound on the first mentioned stator section, the last mentioned stator coil being formed of a continuous winding having the sections joined by a half turn of the winding substantially overlying the half turn of the first mentioned stator winding, and a rotor coil movable on an axis extending between the stator coil sections.

1,567,601. ELECTRIC WELDING. OTIS ALLEN KENYON, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 28, 1917. Serial No. 209,343. 3 Claims. (Cl. 219—8.)

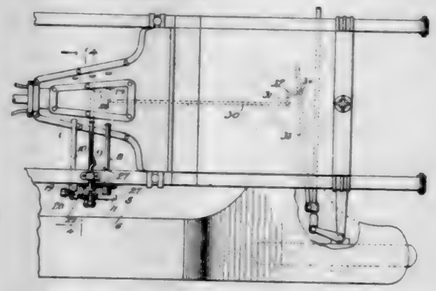


1. An electric arc welding mechanism comprising a movable electrode, a feed roller frictionally engaging said electrode, a movable mounting for said feed roller permitting the latter to be rotated to advance said electrode into contact with the work, a spring member for rotating said feed roller in the reverse direction to strike the arc, and stop means on said feed roller for predetermining the arc length.

1,567,602. TAPELINE MEASURE. ADOLF W. KEUFFEL, Montclair, N. J., assignor to Keuffel and Esser Company, Hoboken, N. J., a Corporation of New Jersey. Filed Nov. 29, 1924. Serial No. 752,866. 5 Claims. (Cl. 33—137.)

1. In combination with a tape line, a member fixed to the end thereof and a bar pivoted upon said member to turn about an axis extending in a direction lengthwise of the tape line and adapted to lie in an inoperative position coincident with the plane of the tape line and in an operative position transverse to said plane of the tape line.

1,567,603. CONTROL AND STEERING MECHANISM FOR AUTOMOBILES. BERTELL W. KING, New York, N. Y. Filed Aug. 6, 1920. Serial No. 401,807. 4 Claims. (Cl. 180—77.)

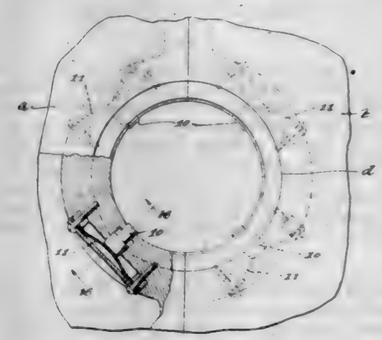


1. In an auto-vehicle, the combination of an auxiliary control and steering mechanism comprising side extension devices and means attached to said devices, said means comprising brake-links, steering links and rocker wheels, a rocker yoke mounted on one of said wheels and an operating lever mounted pivotally on said yoke to rock at right angles to the movement of the yoke for controlling and for guiding the vehicle.

1,567,604. RECTUM TUBE. RICHARD KIRCHHOFF, Stuttgart, Germany. Filed June 29, 1920. Serial No. 392,841. 2 Claims. (Cl. 128—261.)

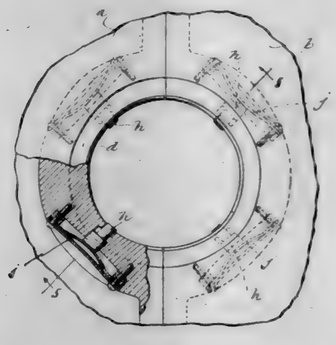
1. A rectum tube comprising in combination, a tubular middle portion, a tube adjoining one end of and communicating with said middle portion, said tube being inclined at an angle relatively to said middle portion and increasing in diameter outwardly and a bulb at the other end of said middle portion having a lateral opening.

1,567,605. THERMOSTATIC CORE CENTRALIZER. HARRY S. LEE, Plymouth, Mich. Filed Jan. 8, 1925. Serial No. 1,166. 6 Claims. (Cl. 22—152.)



1. In a permanent mould, the combination of a plurality of mould sections of expansible material, a core supported therein by contact with the mould sections, and a thermally controlled means for taking up the clearance between the core and the mould sections due to the expansion of the mould.

**1,567,606. AUTOMATIC CORE CENTRALIZER.** HARRY S. LEE, Plymouth, Mich. Filed Jan. 8, 1925. Serial No. 1,167. 6 Claims. (Cl. 22—184.)



1. In a permanent mould, the combination of a plurality of expansible mould sections, a core supported in the mould sections by contact with the same, and an automatic means for centralizing the core notwithstanding change of conditions due to the expansion of the mould sections.

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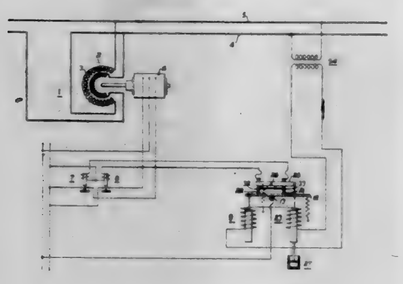
**1,567,607. REGULATOR SYSTEM.** EDWIN E. LEHR, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 16, 1922, Serial No. 568,730. Renewed June 23, 1925. 14 Claims. (Cl. 171—119.)



2. In a regulator system, the combination with a power circuit and an induction regulator connected thereto, of control means therefor comprising an electromagnet, a relatively short arm controlled thereby carrying a plurality of contact members, a second electromagnet, a relatively long arm controlled thereby carrying a plurality of co-operating contact members, said contact mechanism being controlled by the operations of said electromagnets to govern the operation of the induction regulator in the one direction or in the other direction.

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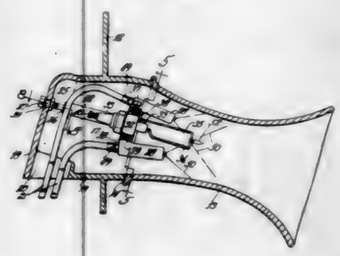
**1,567,608. OIL BURNER.** NORMAN W. LYON, Springfield, Mass., assignor to Edward O. Sutton, Springfield, Mass. Filed Dec. 10, 1924. Serial No. 755,030. 7 Claims. (Cl. 158—73.)

6. In an oil burner, provided with an air passage, an annular nozzle support mounted within said casing so that air can flow through and around it, a circular series of nozzles projecting forwardly from the periphery of said support and approximately longitudinally of said casing, a spark plug within the opening in said support and having its axis disposed longitudinally thereof and of said casing with its electrodes extending forwardly beyond said nozzles, spaced projections extending inwardly from the interior wall of said annular support



for engaging the periphery of the shell of the spark plug, and means for holding said shell against said projections, whereby air passages are left between the spark plug shell and said interior wall.

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**1,567,609. PROCESS OF MARING THIN BOILING STARCH.** JOHN R. MACMILLAN, La Salle, N. Y., assignor to Niagara Alkali Company, Niagara Falls, N. Y., a Corporation of New York. Filed Dec. 11, 1922. Serial No. 606,315. 4 Claims. (Cl. 127—23.)

1. The process of making thin boiling starch which comprises exposing dry starch to a minutary contact with gaseous chlorin.

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**1,567,610. PROCESS OF MAKING ALUMINUM SULPHATE FROM ALUMINOUS MATERIALS.** RICHARD MOLDENKE, Watchung, N. J., and WILHELM SCHUMACHER, Berlin, Germany; said Schumacher assignor to said Moldenke. Filed Jan. 10, 1923. Serial No. 611,844. 6 Claims. (Cl. 23—141.)

1. The process which consists in subjecting heated aluminous material to the action of sulphuric acid vapors, to produce aluminum sulphate, and introducing air to oxidize the iron contained in such material so that it will not be appreciably acted upon by the sulphuric acid.

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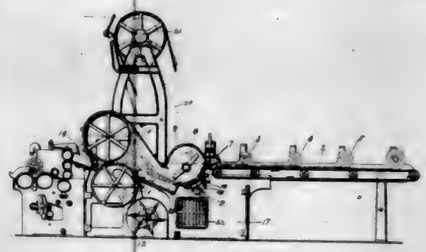
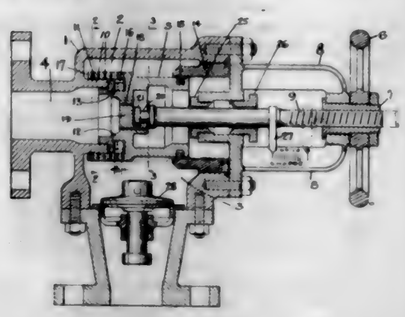
**1,567,611. COTTON-WORKING MACHINE.** HERBERT W. OWEN, Lowell, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 19, 1924. Serial No. 687,389. 4 Claims. (Cl. 19—86.)



4. In a cotton working machine, the combination of a beater, a grid against which the cotton is thrown by the beater, whereby dirt in the cotton is projected through said grid, and a rotary clearer mounted immediately below said grid and close to the lower surface thereof.



**1,567,612. STEAM VALVE.** PASQUALE PASCALE, New York, N. Y., assignor to Restucci Steam Valve Corporation, Manhattan, N. Y., a Corporation of Delaware. Filed Mar. 22, 1922. Serial No. 545,638. 2 Claims. (Cl. 122—450.)



1. In a steam valve the combination comprising a casing, a longitudinally movable sleeve valve having means, comprising a plurality of perforations therethrough, for drying the steam, a coacting portion of said casing with which said sleeve valve is in sliding contact, means to move said sleeve valve relatively to said coacting portion so as to control the number of perforations which are open for the passage of steam, a stop valve associated with said sleeve valve to positively cut off the supply of steam, and means for bypassing the steam around said perforations while maintaining said sleeve valve in sliding engagement with said coacting portion on said casing.

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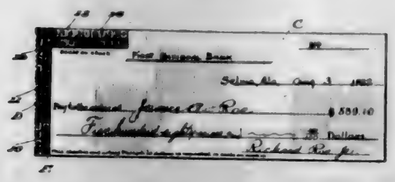
**1,567,613. BANK CHECK.** JOHN PATTON, Jr., Charleston, W. Va. Filed Mar. 15, 1922. Serial No. 543,881. 2 Claims. (Cl. 283—9.)



1. The method for protecting checks or the like which consists in arranging upon the check divisions of numerals, each division consisting in two columns and said numerals of each division representing the ten digits, all odd numerals of each division occuring in one column and arranged in successive order, and all even numerals occurring in the other column and arranged in the same order and then obliterating the numerals in the divisions which are opposite to those intended to be read for indicating the amount of the check.

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**1,567,614. ELECTROPNEUMATIC BRAKE.** HENRI PIEPER, Liege, Belgium, assignor to Compagnie Internationale des Freins Automatiques, Société Anonyme, in Liege, Belgium. Filed July 1, 1922. Serial No. 572,219. 19 Claims. (Cl. 303—20.)

1. In an electro-pneumatic brake system applied to a train, and in which the brake mechanism of each car comprises a cylinder with brake piston, an air pressure reservoir, an electrically operated device comprising solenoids acting against the air pressure, the combination of all the solenoids for releasing the brakes and controlling the valves connected in series or series parallel in one and the same circuit supplied with current by a source independent from the resistance of said circuit,

this current being supplied by a series dynamo, whereby the different movements of the brakes are operated by the variations of the intensity of the current.

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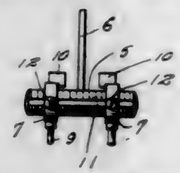
**1,567,615. VALVE-GRINDING TIP.** THEODORE PLANTS, Little Rock, Ark., assignor of one-half to Ralph Klyde Sadler, Little Rock, Ark. Filed Oct. 3, 1922. Serial No. 592,078. Renewed Nov. 23, 1925. 3 Claims. (Cl. 51—29.)



1. A device of the character described comprising a threaded element, collars threaded thereon and adjustable toward and away from each other, and pairs of valve engaging elements carried by the collars any pair of which capable of being arranged in operative position, and a handle carried by the threaded member.

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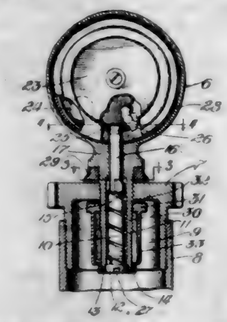
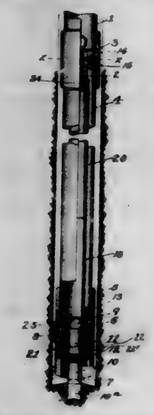
**1,567,616. HIGH-TEMPERATURE ALARM FOR INTERNAL-COMBUSTION ENGINES.** OTTO RABE, Wilmette, Ill. Filed Apr. 16, 1923. Serial No. 632,560. 1 Claim. (Cl. 116—10.2.)



In a device of the class described, the combination of a casing adapted to be mounted on the filler cap of a radiator or the like, a clock work bell alarm within the casing including a striker normally operated by the clock work, a downwardly depending exteriorly threaded hollow neck on the casing adapted to reach through the filler cap,

there being an internal circular recess in the lower portion of said neck, a spiral thermal element within the neck, a plug rotatably seated within the circular recess aforesaid, a rigid connection between the lower end of said thermal element and said plug, a rotatable shaft secured to the upper end of the thermal element and reaching upwards into the casing aforesaid, there being a transverse notch in the upper end of said shaft receiving the striker, the thermal element normally turning the shaft to thereby grip the striker and restrain the same from operation, and means for clamping the lower end of the neck for the purpose of clamping the plug against rotation therein, to thereby hold the plug in an adjusted position substantially as described.

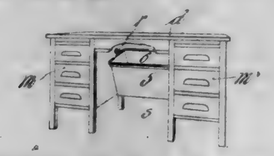
1,567,617. ROTARY CORE DRILL. CLARENCE E. REED, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a Corporation of Texas. Filed Dec. 18, 1922. Serial No. 607,720. 2 Claims. (Cl. 255—72.)



1. In apparatus of the class described, the combination of a drill stem, a core tube therein, a drill head having cutters, members for locking the core in the core tube, and pins to which said members are pivoted held in radial sockets or openings of the drill head, substantially as described.

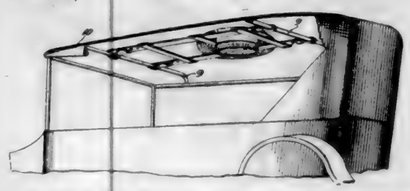
2. In combination a drill head, a drill stem in sections, a coupling between the sections, a plug having a central bore and a cross bore, hollow screws for holding the plug to the coupling, and in connection with the cross bore venting the interior of the plug, and a core tube connected with the plug and with its bore communicating with the bore of the plug substantially as described.

1,567,618. RECEPTACLE. ARCHIE D. ROBINSON, Westfield, Mass. Filed Dec. 29, 1922. Serial No. 609,634. 1 Claim. (Cl. 45—90.)



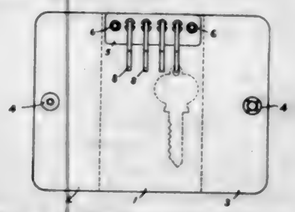
The combination with the spaced upright portions of a desk or the like, of a cross bar spanning the space between said portions, a relatively deep flat bottomed receptacle of substantially rectangular cross section having symmetrical upright walls of equal height, and open at its upper end, and a continuous flange provided along one edge of the receptacle adjacent said open end, said flange being bent outwardly and downwardly from said edge and being engaged in a hook-like fashion at all points throughout its length with said cross bar and free to turn thereon, whereby the receptacle is supported from one side for free swinging movement at all times and normally hangs so that said edge is higher than the opposite edge of said receptacle.

1,567,619. ADJUSTABLE AUTOMOBILE HATRACK. MICHAEL S. RODSTEIN, Manhattan Beach, N. Y. Filed Mar. 19, 1923. Serial No. 626,202. 2 Claims. (Cl. 211—13.)



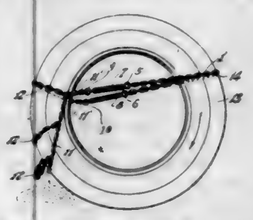
1. A hat holding device having means for securing it to the bows of a vehicle top or similar rigid object, comprising in combination a plurality of side straps formed of non-elastic webbing, attaching hooks connected to the ends of the side straps, a plurality of eyelets near each end of the side straps, and a plurality of cross straps formed of non-elastic webbing, each cross strap having its ends loosely looped around the side straps and slidable thereon, and said side straps being secured to the vehicle bows by looping the ends of the straps around said bows and maintaining them in position by said hooks and eyelets.

1,567,620. KEY CASE. HARRY RUVIN, Schenectady, N. Y., assignor, by mesne assignments, to Buxton Incorporated, Springfield, Mass., a Corporation of Massachusetts. Filed Dec. 16, 1920. Serial No. 431,137. 3 Claims. (Cl. 150—40.)



1. A key case holder comprising a sheet-metal plate having spaced slots therein adjacent one edge of the sheet, and a plurality of straps disposed across the slots to support key holders.

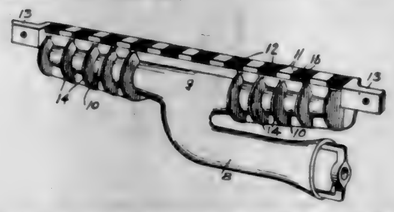
1,567,621. DEVICE FOR APPLYING NONSKID CHAINS TO TIRES. HARRY A. SALSBURG, Pittsfield, Mass. Filed June 5, 1925. Serial No. 35,078. 1 Claim. (Cl. 152—14.)



A device for the purpose described comprising a flexible member, each of the ends of which is fixedly connected to a separate tension device, said tension devices being each provided with a hook at its outer end, whereby the device may be applied to the wheel of a motor vehicle by looping the flexible member over the tread of the wheel, and the hooks are attached to two of the free ends of the side chains, the construction and arrangements being such that each of the spring devices is placed under tension when in use.

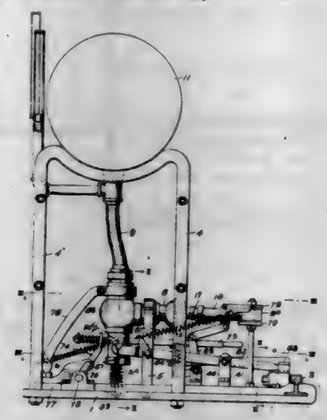


1,567,622. GAS BURNER. ALEXANDER B. SHARP, Steubenville, Ohio, assignor to The Ohio Foundry & Manufacturing Co., Steubenville, Ohio, a Corporation of Ohio. Filed Feb. 24, 1925. Serial No. 11,103. 6 Claims. (Cl. 158—99.)



1. A gas burner comprising an elongated chamber provided with a fuel inlet and with a plurality of openings, and burner grids adapted to be mounted in said openings, each of said grids comprising a unit composed of bars and holding strips that are of accordion or plaited form, the bars being disposed between the folds of said strips.

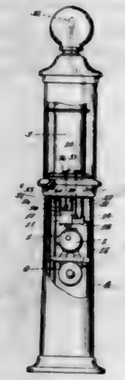
1,567,623. CAR-WHEEL LUBRICATOR. BERTRUM F. SMITH, Natrona, Pa. Filed Jan. 14, 1925. Serial No. 2,392. 5 Claims. (Cl. 184—2.)



5. In a car-wheel lubricator, the combination of a car-track, a lubricator gun mounted adjacent said track and including a horizontally disposed cylindrical body and an extensible nozzle pivoted to said body member in a ball-and-socket joint, a pair of horizontally extending guide plates forming a passageway for the horizontal swing of the nozzle, the said nozzle adapted when extended to engage the hub of a car-wheel advancing on said track and adapted to be swung along the said passageway by engagement with the hub-cap of an advancing car.

1,567,624. CONDUIT OUTLET BOX. FLOYD C. SMITH and EDWIN A. OLLEY, Syracuse, N. Y., assignors to Crouse-Hinds Company, Syracuse, N. Y., a Corporation of New York. Filed Mar. 29, 1921. Serial No. 456,309. 3 Claims. (Cl. 200—52.)

1. The combination of a conduit outlet box, comprising a body open at one end and formed with a laterally extending portion opening into the body and closed at its top, bottom, outer end, and front and rear sides, and being accessible through the open end of the body, the lateral extension being formed with means for connection

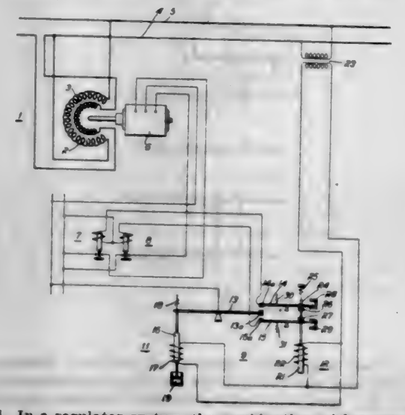


to a conduit enclosing the service wires, a switch located within the lateral extension, and a switch located within the body, and operating means for the switches respectively, extending above the tops of the lateral extension and the body.

1,567,625. PLATED ARTICLE AND ITS MANUFACTURE. JOSEPH A. SMITH, Attleboro, Mass. Filed Jan. 23, 1925. Serial No. 4,271. 11 Claims. (Cl. 204—13.)

1. The process of coating metal articles, which comprises coating the article with an intermediate layer of a metal of a substantially low melting point, in coating the intermediate layer with a layer of a metal of substantially higher melting point and then subjecting the coated article to heat under conditions causing an alloying of the intermediate layer and the metal of the article without any substantial inter-alloying with the outer layer.

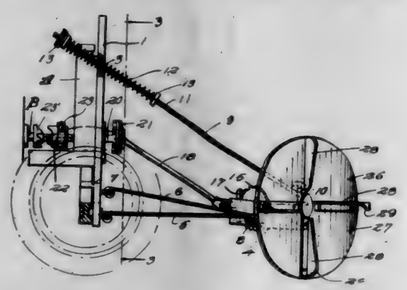
1,567,626. REGULATOR SYSTEM. SEVERN D. SPRONG, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 20, 1922. Serial No. 537,859. 21 Claims. (Cl. 171—119.)



4. In a regulator system, the combination with a supply circuit and a regulator connected thereto, of control means therefor comprising a damped electromagnet, a main contact member controlled thereby, a pair of mov-

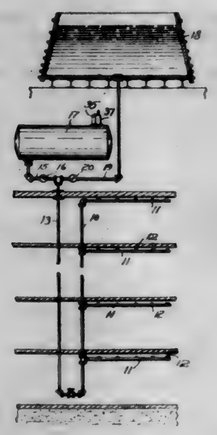
ably-mounted contact members co-operating with said main contact member, and an undamped electromagnet adapted to control the operation of the pair of contact members.

1,567,627. SNOWPLOW FOR MOTOR VEHICLES. THOMAS K. STANTON, Brusett, Mont. Filed Nov. 15, 1924. Serial No. 750,084. 3 Claims. (Cl. 37—43.)



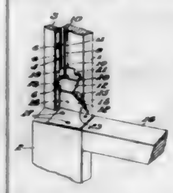
1. The combination with a motor vehicle; of a snow plow comprising a pair of vertical standards supported on the forward end of said vehicle, a frame pivotally carried on said standards, rotary fans carried on the outer ends of said frame, means for rotating said fans, rods connecting the outer end of said frame with the upper ends of said standards, and means in connection with said standards and the upper ends of said rods for yieldingly and adjustably securing the same in position whereby to support the frame in various adjusted positions.

1,567,628. RELIEF-VALVE-OPERATING DEVICE FOR PRESSURE TANKS. LANCE W. STAUGHTON, New Dorp, N. Y., assignor to Rockwood Sprinkler Company of Massachusetts, a Corporation of Massachusetts. Filed Mar. 29, 1922. Serial No. 547,821. 7 Claims. (Cl. 169—5.)



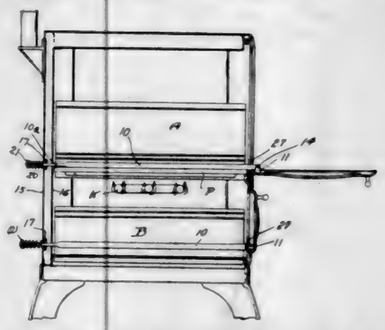
1. The combination with a supply main extending downwardly, and two branches extending therefrom at the top, of a tank containing water and air under pressure connected with one branch, a gravity supply tank connected with the other branch, check valves in both of said branches for preventing backward flow towards the tanks, a port at the top of the pressure tank, a valve for closing said port, a shallow pan near the bottom of said tank, and a rod connecting said pan with the valve and supporting it therefrom for opening said valve when the level of water therein approaches the bottom of said tank.

1,567,629. WINDOW-SASH LOCK. CARL A. STROM, Floral Park, N. Y. Filed Sept. 25, 1922, Serial No. 590,353. Renewed May 25, 1925. 8 Claims. (Cl. 292—120.)



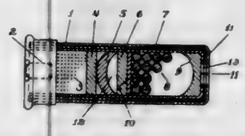
1. A window sash lock having a catch pivoted to swing thereon, the free end of said catch having two integral locking members extending in the same direction and offset laterally one from the other to simultaneously fasten both the lower and upper sashes of a window in adjusted positions.

1,567,630. OVEN-DOOR HINGE. ALBERT H. TINNERMAN, Cleveland, Ohio. Filed July 5, 1924. Serial No. 724,327. 20 Claims. (Cl. 126—191.)



1. A compartment closure means comprising a door, shiftable door supporting means extending through an opening of the compartment including a pivotal connection between the door and said means which is shifted through said opening and resilient means for shifting the door supporting means when the door is swung to a compartment closing position.

1,567,631. FLEXIBLE-END-SEAL CARTRIDGE AND AMMUNITION. ROBERT L. WHEELER, Plentywood, Mont. Filed Nov. 25, 1924. Serial No. 752,224. 3 Claims. (Cl. 102—16.)



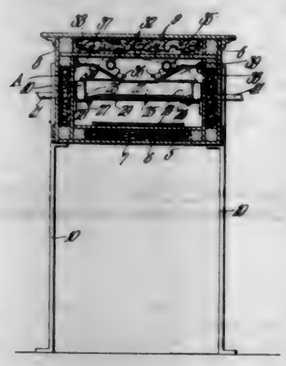
1. A cartridge shell having a wall comprising a plurality of layers, one of which layers in that portion of the shell corresponding to the shot chamber is of soft and flexible metal which extends along the length of said shot chamber, a shot seal in the front end of said cartridge shell and the front portion of the wall of said cartridge shell comprising inwardly bent sectors which bear against said shot seal.



1,567,632. COMPOSITION OF MATTER FOR SELECTIVE CASE HARDENING. CHARLES G. WHINFREY, Shaker Heights Village, Ohio. Filed Aug. 23, 1922. Serial No. 583,928. 11 Claims. (Cl. 148—19.)

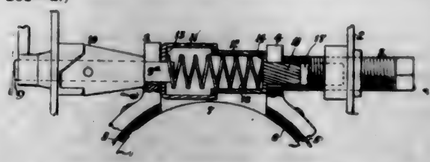
4. An improved composition of matter for use in selective case-hardening, including fire-clay, sodium silicate, and a thinner for the latter capable of removing grease and oil from the article treated.

1,567,633. CONFECTION-COOLING APPARATUS. ALONZO LINTON BAUSMAN, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a Corporation of Massachusetts. Filed May 17, 1923. Serial No. 639,629. 5 Claims. (Cl. 62—31.)



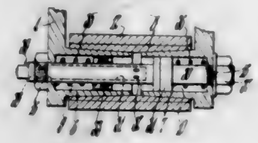
1. In combination, a casing, a confection carrying conveyer extending longitudinally therethrough, laterally spaced conduits extending longitudinally of the casing and above the conveyer and adapted for the circulation of a cooling medium therein, a pair of laterally-spaced baffle plates extending longitudinally of the casing in underlying relation with said conduits and in overlying relation with said conveyer, the adjacent side edges of said plates being disposed at a lower level than the non-adjacent edges and affording a channel between them which overlies the central portion of the conveyer and through which air cooled by said conduits passes downwardly and is first applied to cool the confections carried near the central portion of said conveyer thereafter dividing into two streams which pass in opposite directions crosswise of the conveyer toward its side edges and eventually returning past the higher edges of said baffle plate to said cooling conduit.

1,567,634. AUTOMOBILE BRAKE-BAND ATTACHMENT. DAVID BLUMBERG, Bridgeport, Conn. Filed Dec. 31, 1924. Serial No. 759,090. 2 Claims. (Cl. 188—2.)



1. In combination with a brake band having opposed ears and a pedal shaft projecting through one of said ears, an adjusting screw in alignment with said shaft having an opening in its inner end, telescopic cup shells interposed between the ears, one of said shells freely engaging the inner end of the shaft, the other shell having a pintle projecting through the opposed ear and into the opening of the adjusting screw, and a spring located within the shells and abutting their end walls and functioning to always keep said walls in contact with said ears and to normally release the brake band.

1,567,635. SPRING SHACKLE AND LUBRICATING MEANS THEREFOR. WESTON F. BRIGHT, Longmeadow, Mass. Filed Nov. 12, 1920. Serial No. 423,605. 7 Claims. (Cl. 308—120.)



1. A spring shackle, comprising a pair of separate and oppositely positioned side members having integral therewith aligned inwardly projecting hubs having their outer surfaces tapering inwardly, a sleeve having a surface for fitting over said hubs, and means connecting said side members adapted to be adjusted to move said members toward one another to take up wear between the hubs thereof and the sleeve and to prevent an axial movement of the bushing with respect to the side members.

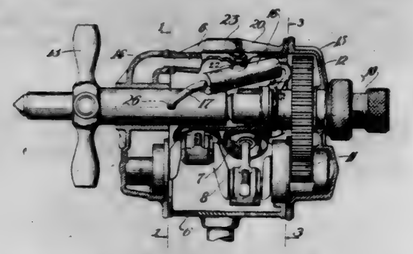
1,567,636. RETAINING CLIP FOR KEY CASES AND THE LIKE. WARNER R. BUXTON, Longmeadow, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a Corporation of Massachusetts. Filed Apr. 5, 1924. Serial No. 704,520. 5 Claims. (Cl. 24—3.)

1. In combination, a spring retaining clip having one part bent backwardly upon another part and yieldingly urged toward the latter, a member to which the clip is to be secured adapted to be inserted between said parts, and interengageable devices provided on said first named part and one face of said member and yieldingly held in engagement by the pressure of the second named part against the opposite face of said member.

1,567,637. VENTING MEANS FOR MOTORS. ANTHONY H. COLLINS, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 19, 1921. Serial No. 523,543. 40 Claims. (Cl. 121—38.)

1. In a device of the class described, the combination of a crank shaft casing, a crank shaft therein, lubricant in the casing, and means permitting the escape of air

from the casing but preventing lubricant from escaping comprising a member within said casing having vents opening at different points in the latter, said vents being



so arranged that in any position of the crank casing at least one of the vents will be disposed above the level of the lubricant.

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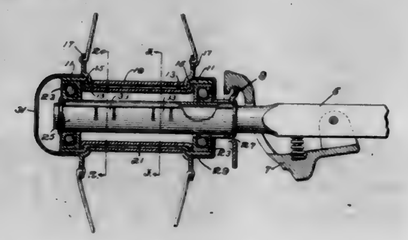
1,567,638. HUB. WILLIAM A. DEAN, Worcester, Mass., assignor to F. A. Whitney Carriage Company, Leominster, Mass., a Corporation of Massachusetts. Filed Feb. 12, 1925. Serial No. 8,732. 3 Claims. (Cl. 301—105.)



2. A hub comprising outer and inner sleeves, bearings interposed between them and yielding means carried by the inner sleeve adapted to bind on the axle when inserted in the sleeve whereby the latter will be non-rotatably held to the former.

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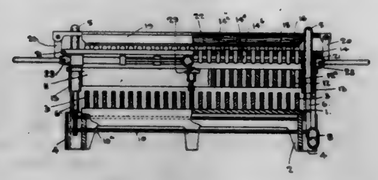
1,567,639. CAPSULE-FILLING MACHINE. LOUIS RALPH EASTMAN, Highland Park, Mich. Filed July 10, 1922. Serial No. 573,986. 15 Claims. (Cl. 226—41.)



1. In an apparatus of the character described, a member for clamping capsules comprising a pair of bars having cooperating recesses in their adjacent edges adapted in one position to receive the capsules, said bars being relatively longitudinally movable in the same plane to grip the capsules.

4. In an apparatus of the character described, the combination of a trough comprising a block having a series of rows of apertures therein for receiving capsule bodies, and a frame hingedly connected to said block to form the sides of the trough, means for limiting the movement of the capsule bodies in one direction relative to said block, said means permitting the open ends of the capsule bodies to be below the upper surface of said block, and means for moving said block relative to said limiting means.

10. In an apparatus of the character described, the combination with a cap plate having apertures therein for receiving capsules vertically, of an aligning plate having apertures for receiving capsules horizontally, and a loading plate provided with shoulders for engaging the caps to prevent the same from passing therethrough horizontally provided also with apertures permitting the capsules to pass through vertically.

15. In an apparatus of the character described, the combination of an aligning plate having a plurality of apertures therein, each adapted to receive a horizontally disposed capsule, a cap plate having a plurality of apertures adapted to receive vertically disposed capsules, and a loading device between said plates adapted to tilt said capsules from horizontal to vertical position with the cap end upwards.

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1,567,640. EXPANSIBLE CHAIN. GASTON A. GUYOT, Attleboro, Mass., assignor to Guyot Brothers, Attleboro, Mass. Filed Mar. 23, 1925. Serial No. 17,663. 8 Claims. (Cl. 59—79.)

1. In an expansible chain, main members having integral inwardly extending stems at one end thereof, the extremities of which are doubled upon themselves to form abutments, connector members having slots at one end through which the stems extend to hingedly connect same to the main members, stops on the opposite ends of the connector members engageable with the abutments to limit outward movement of the adjacent main members, the sides of each of the members being extended inwardly to form hollow ribs, the ribs of adjacent members being telescoped, and springs extending through the respective alined ribs to tension all the members.

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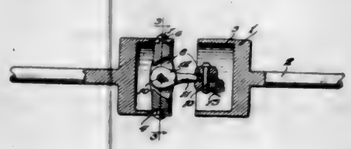
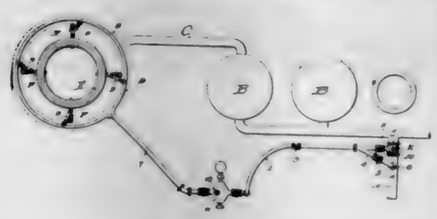
1,567,641. UNIVERSAL JOINT. CHARLES WALTER HARRIS, Salem, Conn. Filed Dec. 19, 1923. Serial No. 681,587. 1 Claim. (Cl. 64—91.)



A universal coupling comprising recessed heads, the circumscribing wall of each head having longitudinal slots formed therein at diametrically opposite points, a knuckle in the recess of each head and having terminal studs pivotally and slidably engaging the slots in the walls thereof and provided intermediate its ends with a longitudinal slot, a link having its end flattened, the flattened ends being disposed at a right angle to each other and engaging the slots of the respective knuckles, and means pivotally connecting the flattened ends of the link to the respective knuckles.



1,567,642. CHARGING SYSTEM FOR BLAST FURNACES. WILLIAM E. HARRISON and KENNETH D. STEWART, Youngstown, Ohio. Filed Feb. 24, 1921. Serial No. 447,497. 9 Claims. (Cl. 266—28.)



1. A charging system for blast furnaces including a cold air blast pipe for the furnace, a delivery pipe having communication with the furnace interior at the plane of or adjacent the hot blast, a receiver for the charge in communication with said delivery pipe, and an air pressure supply pipe having valved communication with the cold air blast pipe for the furnace.

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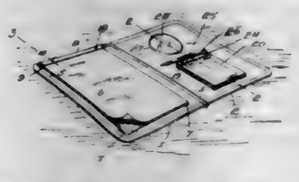
1,567,643. COMBINATION MENU AND ORDER-SLIP HOLDER. ALVA O. HEARNE, Washington, D. C. Filed Nov. 18, 1922. Serial No. 601,873. 2 Claims. (Cl. 129—1.)



1. A holder for the purpose set forth comprising a body portion formed of a pair of folds, a pair of spaced apertured brackets secured to the upper end of the inner face of one of said folds, a pair of clamping plates normally arranged in superposed relation and having their outer sides provided with aligning barrels, a pair of pintles mounted in said barrels, each of said pintles mounted in one of said brackets, one of said plates provided with openings, the other of said plates provided with a pair of lugs for connecting an article therewith, a pair of springs carried by said pintles and bearing against said plates for maintaining them in superposed relation and with the lugs of one plate extending through the openings of the other plate.

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1,567,644. TANNING OF SKINS AND HIDES. JOHANNES HELL, Esslingen, Germany. Filed Aug. 29, 1921. Serial No. 496,597. 11 Claims. (Cl. 149—4.)

11. In the manufacture of leather from hides or skins, the step of preparing the hide or skin for a final tanning action, which preparatory step includes the treating of the hide or skin with substances reacting to form a substantially insoluble magnesium salt within the structure of the hide or skin.

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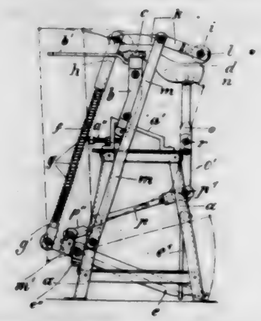
1,567,645. APPARATUS FOR LEVELING SOLES OF SHOES. FRIEDRICH HOFMANN, Schmoelln, Germany. Filed Mar. 14, 1924. Serial No. 699,206. 2 Claims. (Cl. 12—34.)

1. In an apparatus for leveling the soles of shoes having a hand-operated leveling roller, a foot lever for yieldingly pressing said leveling roller against the sole, a last, a two-armed lever supporting said last, a toe abutment for the shoe held on said last, and a means for simulta-



neously pressing said last and the shoe thereon against said toe abutment, and said leveling roller against the sole upon the operation of said foot lever.

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1,567,646. PROCESS FOR THE PRODUCTION OF COMBINATIONS OF RUBBER AND PAPER AND PRODUCTS OBTAINED THEREBY. ERNEST HOPKINSON, New York, and REED P. ROSE, Jackson Heights, N. Y., assignors to General Rubber Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 22, 1925. Serial No. 64,242. 9 Claims. (Cl. 92—21.)

1. In a process for the manufacture of rubber and paper and similar combinations the steps of combining with pulp a quantity of rubber latex, agglomerating the rubber, subjecting the mass to further mixing, and then coagulating the rubber.

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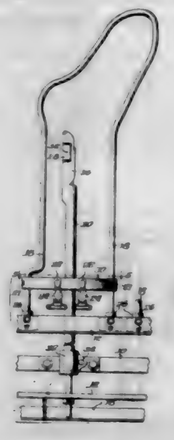
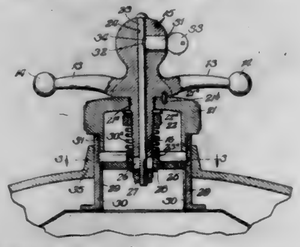
1,567,647. EMBROIDERING MACHINE. RUDOLPH F. HOUSER, Milwaukee, Wis., assignor to Phoenix Hosiery Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 10, 1924. Serial No. 698,097. 2 Claims. (Cl. 112—103.)



1. In a multiple embroidering machine, the combination of a frame mounted on the pattern bar having a contour similar to that of the article to be embroidered, an end piece slidable on said frame, a plurality of studs spaced

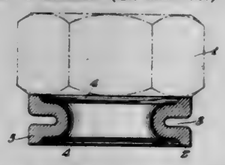
relatively to each other on said end piece, and clips cooperating with said studs to securely hold the edges of the article to be embroidered without injury thereto.

1,567,648. RADIATOR-CAP ATTACHMENT. BURTT J. HUBBARD, Kokomo, Ind. Filed June 27, 1921. Serial No. 480,517. 3 Claims. (Cl. 220—24.)



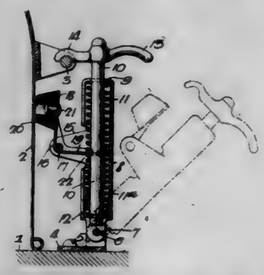
2. The combination of a spout with a rotatable cap, a handle secured thereto and having a depending stem extending therethrough, a vertical recess within said spout, and means engageable by said recess for preventing rotation of said cap.

1,567,649. NUT LOCK. AXEL GUSTAF EMANUEL HULTGREN and JOSEF HENRIK EMANUEL THORÉN, Gottenborg, Sweden, assignors to Aktiebolaget Svenska Kullager-Fabriken, a Corporation of Sweden. Original application filed June 7, 1922, Serial No. 566,534. Divided and this application filed Feb. 2, 1924. Serial No. 690,193. 3 Claims. (Cl. 151—38.)



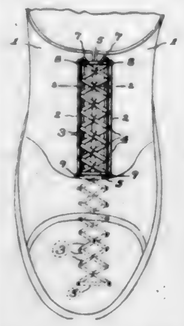
1. A nut-lock comprising a resilient annular washer of U-shape in cross section, having near its circumference two annular surfaces for engaging the nut and the part to be fastened respectively, and formed with an open annular channel the depth of which is greater than the radial width of said annular surfaces, thereby giving the structure resiliency.

1,567,650. AUTOMOBILE HOOD CATCH. ARTHUR C. JACKSON, Philadelphia, Pa., assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn., a Corporation of Connecticut. Filed June 16, 1923. Serial No. 645,809. 3 Claims. (Cl. 292—114.)



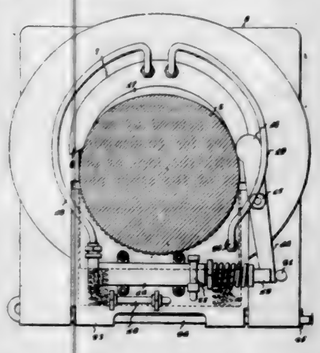
1. The combination in a hood catch, of a bearing attached to the rail of an automobile; a casing mounted on the bearing; a rod extending through the casing, said rod having a handled arm arranged to engage the hood of an automobile; a spring located within the casing, the head of the rod forming a bearing for the spring; and an anti-rattling device pivoted to the casing and actuated by the spring.

1,567,651. SHOE-LACING DEVICE. JOHN ARTHUR KAYE, Sault Ste. Marie, Ontario, Canada. Filed Aug. 22, 1925. Serial No. 51,799. 5 Claims. (Cl. 24—207.)



1. A shoe fastening device comprising longitudinal guide strips adapted to be secured to the shoe uppers on opposite sides of the opening, a slide formed of oppositely inclined intersecting bars rigidly connected to each other and simulating the appearance of shoe lacing, studs connecting the ends of the bars at the edges of the slide and slidably engaging the guide strips to admit of the slide being moved longitudinally thereof into and out of operative position, the slide spanning the opening between the uppers when it is in operative position, and means for holding the slide in operative position.

1,567,652. DRIVING AND ENGINE-TRUCK BOX LUBRICATOR. GEORGE WILLIAM KELLER, Portsmouth, Ohio. Filed July 19, 1924. Serial No. 727,053. 1 Claim. (Cl. 308—84.)

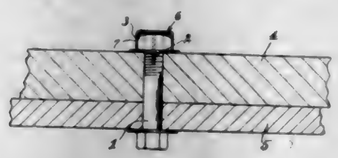


In a lubricating device for shafts, a liner positioned above the shaft, said liner constituting an upper reservoir, a lower reservoir arranged under the shaft, a pipe establishing communication between the reservoirs, a pump communicating with the pipe for forcing liquid from the lower reservoir and into the upper reservoir, a piston forming a part of the pump and having a notched end portion, an arm pivotally supported adjacent to the shaft and having its lower end fitted within the notched end portion and carrying a head at the upper



end thereof, a cam on the shaft for engaging the head to move the lower end of the arm inwardly to operate the pump piston, and an overflow pipe establishing communication between the reservoirs.

1,567,653. NUT LOCK. HERMAN KOHN, Oakland, Calif. Filed Aug. 27, 1923. Serial No. 659,521. 2 Claims. (Cl. 151—31.)

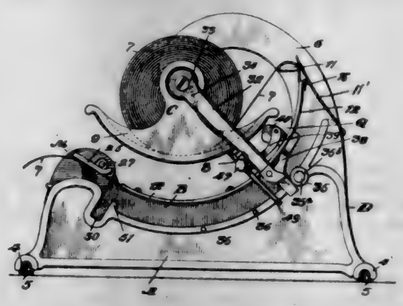


1. A nut lock assembly comprising in combination a bolt, a longitudinal slot in the bolt extending completely across from one side to the other, a nut on the bolt, a channel shaped nut lock having a web of such length to cover the bolt and nut, sides depending straight from the web with plane inner surfaces and a tapered central tongue flat on both sides driven in the slot in the bolt the said depending sides engaging the sides of the nut.

1,567,654. PORCELAIN CRUCIBLE. ALFRED KÖNIG, Charlottenburg, Germany, assignor to the Firm: Staatliche Porzellan-Manufactur, Berlin, Germany. Filed Aug. 5, 1924. Serial No. 730,246. 1 Claim. (Cl. 263—48.)

As a new article of manufacture porcelain crucible having a bottom of finely porous material melted together with the porcelain.

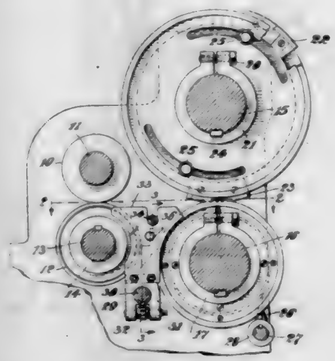
1,567,655. TAPE-SERVING DEVICE. THEODORE H. KRUEGER, New York, N. Y. Filed July 19, 1921. Serial No. 485,868. 37 Claims. (Cl. 91—14.5.)



1. In a tape feeding device, a pivoted arm, an operating handle fixed thereon, and a tape gripping mechanism mounted on said arm, said mechanism comprising a pivoted gripping member having an eccentric gripping surface.

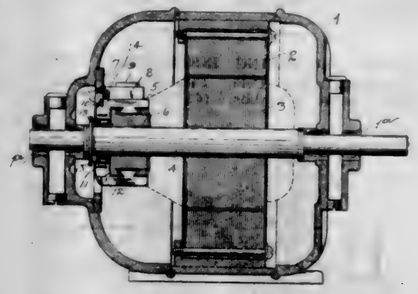


1,567,656. SHEET SCORING AND SLOTTING MECHANISM. SAMUEL M. LANGSTON, Wenonah, N. J. Filed Jan. 19, 1924. Serial No. 687,215. 16 Claims. (Cl. 93—58.)



1. In combination a slotting member, a scoring member, a member engaging with both of said first mentioned members, and means for moving said last mentioned member to effect axial adjustment of the two first mentioned members.

1,567,657. SHORT-CIRCUITING DEVICE FOR COMMUTATORS. EVERETT P. LARSH, Dayton, Ohio. Filed Dec. 6, 1921. Serial No. 520,342. 18 Claims. (Cl. 172—279.)

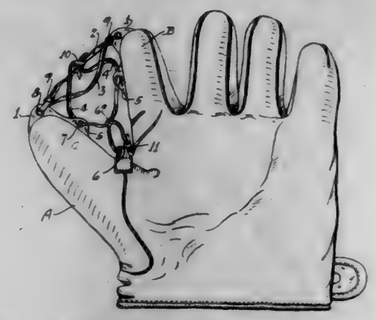


1. In a short circuiting device for motors, a plurality of contrifugally actuated weights arranged circumferentially of the armature shaft of the motor and operable radially to effect the electrical interconnection of the commutator bars of the motor, and a flat involute spring resisting the radial movement of the weights and against the yielding resistance of which the weights move under centrifugal influence to effect the short circuiting of the motor.

1,567,658. BASEBALL GLOVE OR MITT. HARRY B. LATINA, East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed July 12, 1924. Serial No. 725,582. 6 Claims. (Cl. 2—19.)

1. A baseball glove or mitt provided with a thumb, an index finger portion, and a skeleton-like pocket or back stop combined with said parts and comprising an

intermediate portion against which the rear side of a caught ball strikes and a top portion secured to said



thumb and index finger portion beyond the tip ends of same and arranged so as to prevent the ball from jumping upwardly out of the pocket.

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1,567,659. HAND WEAPON. RUBEN B. LAWRENCE, Bellevue, Pa., assignor to Federal Laboratories, Incorporated, Pittsburgh, Pa., a Corporation of Delaware. Filed Dec. 1, 1922. Serial No. 604,450. 15 Claims. (Cl. 42—1.)

2. The combination with a weapon for emitting a stream of incapacitating gas, of an auxiliary weapon, substantially as described.

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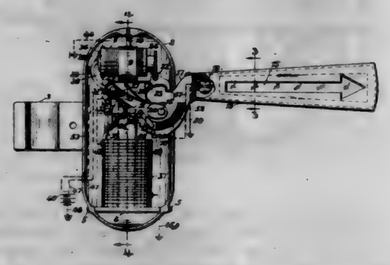
1,567,660. SIGNALING INSTRUMENT. ARTHUR L. LEGGETT, Denver, Colo. Filed Mar. 7, 1923. Serial No. 623,434. 7 Claims. (Cl. 177—327.)



1. In an electro-mechanical movement, the combination with an element adapted to move alternately from one to another of two determinate positions, of an electromagnetic device to move the element to one of said positions, a latch to hold the element in said position, an electro-magnetic device acting upon the latch, to cause the element to return to the other position, a circuit for said devices, a switch in said circuit, and an automatic switch adapted to connect said devices alternately in the circuit by movement of said element, and including means controlled by the current flow through said devices to hold the automatic switch from operating until after the circuit has been reopened in the first mentioned switch.

1,567,661. DOLL-DRESS STRUCTURE. JOHN LEVAGGI and WILLIAM J. DOHERTY, Los Angeles, Calif. Filed Oct. 25, 1923. Serial No. 670,711. 8 Claims. (Cl. 46—40.)

1. A doll-dress of the nature disclosed comprising a supporting member adapted to be laterally engaged upon a doll or other figure of like character, said member having a single opening defining upper and lower marginal edges to engage the front surface of the figure and intermediate means adapted to engage the rear surface of the figure, and elements of ornamentation secured to said member and constituting component parts of the dress.

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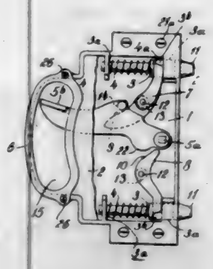
1,567,662. VEHICLE LATCH. CARL MACK, New York, N. Y., assignor, by mesne assignments, to Mack Lock Co. Inc., Long Island City, N. Y., a Corporation of New York. Filed Sept. 21, 1921. Serial No. 502,132. 13 Claims. (Cl. 292—34.)



1. In a latch, a set of bolts, corresponding actuators for each of said bolts, an operating member common to said bolt-actuators, and means for causing one of said bolts to move in advance of the other when operated.

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1,567,663. CONSTRUCTION MATERIAL AND PROCESS FOR MANUFACTURING SAME. PAOLO MARPILLERO, LORENZO LORENZETTI, and IVO MARZOLA, Milan, Italy. Filed Mar. 24, 1924. Serial No. 701,574. 2 Claims. (Cl. 18—475.)

1. A process of manufacturing light, insulating and porous construction elements, comprising the steps of subjecting a fibrous vegetable substance to the action of a fireproofing solution; intimately mixing the fibrous substance so treated, while still damp, with magnesium oxide and cementitious material to form a damp non-coherent mass; filling moulds with the damp mass and then allowing said mass to set at least partially and in an uncompressed state in the moulds.



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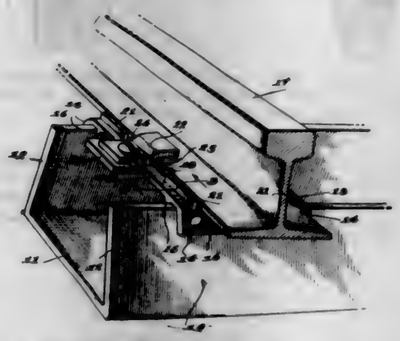
1,567,664. RAIL-SECURING DEVICE. JOSEPH D. MARTIN, Summerside, Prince Edward Island, Canada. Filed Nov. 19, 1924. Serial No. 750,829. 3 Claims. (Cl. 238—64.)



1. A device of the character described, comprising a substantially U-shaped crosstie, the side walls of said U-shaped crosstie converging as they extend upwardly, a base plate arranged upon the upper edges of the side walls of said U-shaped crosstie, said base plate having its opposite ends diverging from each other as they extend downwardly for engaging the outer sides of said converging side walls of said U-shaped crosstie, means for securing said diverging ends of said base plate to said converging side walls of said crosstie, and a rail carried by said base plate.

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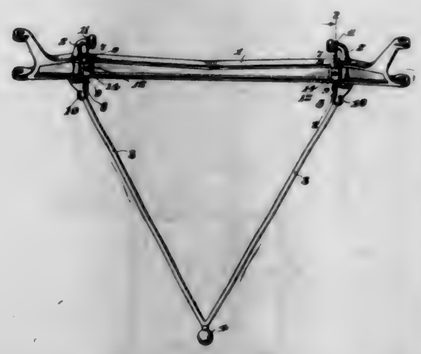
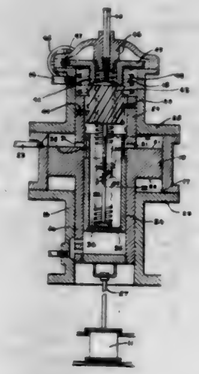
1,567,665. RADIUS-ROD SUPPORT. SHELLMAN R. MARTIN, Wrightsville, Ga. Filed Mar. 16, 1925. Serial No. 15,814. 2 Claims. (Cl. 267—66.)



1. A radius rod support of the character set forth, comprising a two part coupling rod having means for engaging one end of one part under a radius rod and one end of the other part over a spring perch, and means connecting the said two parts and adapted to draw the same together.

1,567,666. GOVERNOR. HENRY LEA MASON, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 14, 1925. Serial No. 9,103. 8 Claims. (Cl. 264—14.)



1. In a fluid pressure operated governing apparatus, means for effecting governing movements comprising a cylinder, a hollow piston within the cylinder and adapted to reciprocate therein, said piston having a port inclined to the longitudinal axis of the cylinder and permitting the passage of motive fluid to and from one side of the piston, a pilot valve within the piston and having a similarly inclined port adapted when in registry with the port in the piston to admit motive fluid thereto and effect a movement thereof longitudinally of the cylinder, and means effecting a relative rotational movement of the piston to the pilot valve in the direction of inclination of the ports during longitudinal movement of the piston, whereby a port opening in the piston, longer than the longitudinal movement of the pilot valve, is effected.

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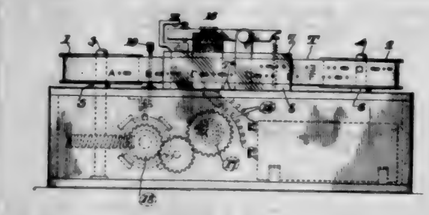
1,567,667. INSTRUMENT FOR TEACHING TELEGRAPHY. RAY G. MILLER, West Englewood, N. J. Filed Feb. 27, 1922. Serial No. 539,543. 9 Claims. (Cl. 178—115.)

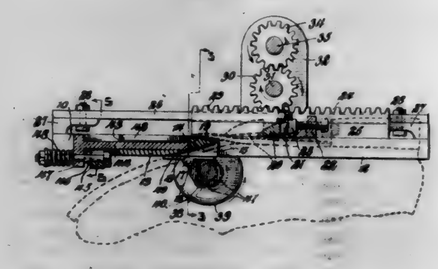


1. A device for teaching telegraphy comprising, in combination, a tape bearing impressions corresponding to characters of a telegraphic code, means for advancing the tape, a window past which the tape is movable and through which the impressions on the tape are visible, a reproducer, and a stylus cooperative with the portion of the tape opposite to the window and controlled by the code impressions therein for causing operation of the reproducer in accordance with the code impressions in the tape, said window providing a platen against which the stylus presses the tape and through which that portion of the tape engaged by the stylus is visible.

**1,567,668. PROCESS FOR RECOVERING THE LYE FROM DISINTEGRATED CELLULOSES.** GUSTAV MOSEBACH, Nordhausen, Germany. Original application filed July 5, 1924, Serial No. 724,454. Divided and this application filed May 5, 1925. Serial No. 28,254. 1 Claim. (Cl. 92—2.)

A method for the recuperation of the lye from dissolved straw cellular substance and the like consisting in heating the straw cellular substance together with undiluted lye to approximately 70° C., in stirring the mixture continuously during the heating, in compressing the material to squeeze out the lye, in treating the compressed material with hot water at approximately 70° C., in stirring this mass, in squeezing out the hot water containing approximately 10% of lye and in re-using the squeezed out lye in the preparation of fresh lye.

**1,567,669. SHANK SKIVER.** JOE MUSACCHIA, Sacramento, Calif. Filed July 23, 1924. Serial No. 727,741. 9 Claims. (Cl. 12—17.)



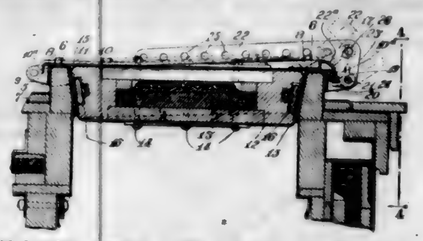
1. A skiver for use in repairing shoes, comprising, in combination, a gage block adapted to be interposed between the insole and the front end of the shank, said block being wedge shaped with sufficient open space beneath the same to accommodate the upper and insole of a shoe while the front end of the shank rests upon the upper surface of the block, a carriage, a knife supported by the carriage, and means to advance the carriage in a direction to cause said knife to skive the front end of the shank when the latter is supported by the block.

**1,567,670. FLYING MACHINE.** GEORGE FRANCIS MYERS, New York, N. Y. Filed Dec. 1, 1916, Serial No. 134,547. Renewed May 4, 1922. Serial No. 558,427. 14 Claims. (Cl. 244—30.)

1. In combination with a flying machine, of a gas holder, and a car mounted in the center of the said gas holder, the said car having two complete and separate sections of the said gas holder arranged fore and aft of the said car and having the same cross section as the said gas holder.

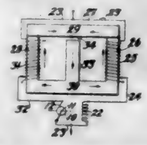
**1,567,671. REFRIGERATOR-CAR HATCH CLOSURE.** KARL F. NYSTROM, Chicago, Ill. Filed Apr. 6, 1923. Serial No. 630,199. 16 Claims. (Cl. 98—22.)

1. In a railway refrigerator car provided with a hatch opening, a metallic frame for said opening provided with hinge-butts on one side thereof and with a lever-supporting bracket on the other side thereof, a combined cover and plug hingedly secured at one end to said hinge-butts while the opposite end is provided with a depending projection, and a lever pivotally secured to



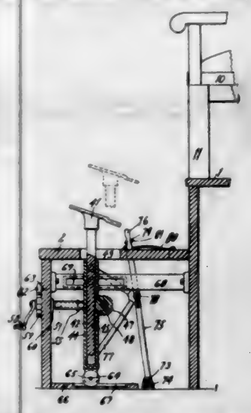
said bracket, with a portion of said lever adapted to engage with said depending projection when said lever is swung into cover opening position.

**1,567,672. ELECTRIC MOTOR.** ALFRED E. OSWALD, Bogota, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 15, 1921. Serial No. 437,397. 7 Claims. (Cl. 172—276.)



1. An alternating current motor comprising an armature coil, a field coil in shunt around the armature, and regulating coils; one regulating coil in series with the armature, and the other in series with the field; said regulating coils connected in parallel circuits to oppose each other and co-operative to control the speed of the motor, and a core upon which said regulating coils are placed, said core having a magnetic return common to the coils.

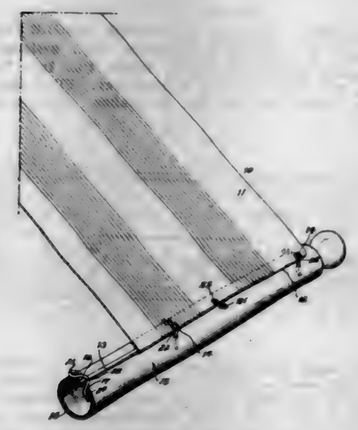
**1,567,673. SHOE-SHINING STAND.** PASQUALE PALOMBELLA, Springfield, Mass. Filed June 14, 1923. Serial No. 645,268. 10 Claims. (Cl. 15—265.)



1. The combination, in a shoe-shining stand, with supporting means, and approximately vertical hollow holders arranged to move horizontally on said supporting means, of rods in said holders, foot-rests mounted on said rods, means to raise and lower said rods in said holders, and means to move said holders on said supporting means.

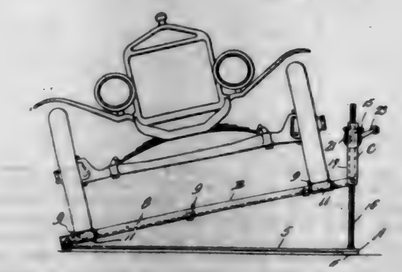


**1,567,674. SLIP FOR AWNING-FRONT RODS.** ORVILLE E. PEARS, Baldwin, New York, and NORBERT G. JOSEPH, Teaneck, New Jersey, assignors to F. J. Kloes, Inc., a Corporation of New York. Filed Oct. 1, 1924. Serial No. 740,960. 7 Claims. (Cl. 156—25.)



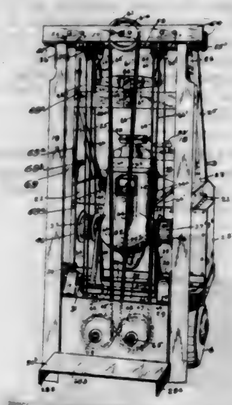
1. In an awning, the combination, of a tubular front rod provided with a pair of circumferentially spaced apertures, an awning cloth provided with an edge rod extending parallel to the front rod, a securing clip disposed in a plane perpendicular to the lengths of said rods, said clip lapping the edge rod to secure the awning cloth to the front rod, one end of said clip intruded into one of the apertures, the other end of the clip bent back upon itself to form an eye and a screw extending through said eye and threaded into the other aperture.

**1,567,675. AUTOMOBILE JACK.** GUY L. PITT and WALTER G. HARPER, Rocky Mount, N. C. Filed Feb. 18, 1925. Serial No. 10,008. 1 Claim. (Cl. 214—1.)



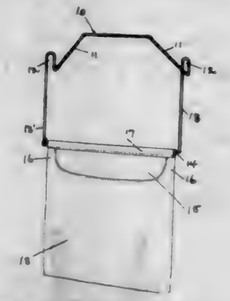
In a device of the class described, a stationary base, a member having one end hinged to one end of the base, a screw rising from the other end of the base, an inverted U-shaped frame having its intermediate portion provided with an opening through which the screw extends, a gear journaled in the opening and threaded on the screw, a bracket strip mounted in one corner of the frame, a crank shaft journaled through the bracket strip and the adjacent side of the same, and a gear fixed to the shaft and meshing with the first mentioned gear, the terminals of the inverted U-shaped frame being pivotally engaged with the other end of the member.

**1,567,676. INDUSTRIAL TRUCK.** EDWARD H. REMDE, Cleveland, Ohio, assignor to The Baker R. & L. Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 3, 1922. Serial No. 592,138. 12 Claims. (Cl. 187—11.)



5. In a truck, the combination with a frame and wheels therefor, of a vertical frame constituting guides, mounted on said first mentioned frame, an elevating device slidably mounted in said guides, a plurality of pairs of sheaves carried by said vertical frame and said device, one pair of said sheaves being mounted on said guide frame on an axis disposed midway between the guides, a pair of drums carried by said first mentioned frame and disposed at opposite sides of and equal distances from the axis of the pair of sheaves on said guide frame, means for rotating said drums, an equalizing element secured to said guide frame, flexible hoisting members, each arranged to wind on and off one of said drums and engage one sheave of each pair thereof, and means for securing the free ends of said hoisting members to the ends of said equalizing element.

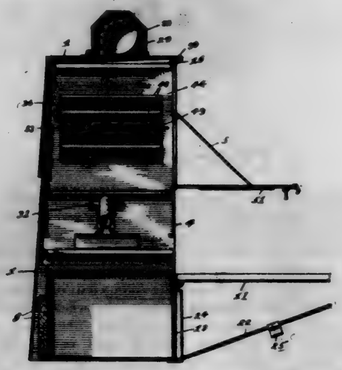
**1,567,677. CLOTHESPIN BAG.** ZAIDA M. RICKETTS, Normal, Nebr. Filed June 1, 1925. Serial No. 34,099. 1 Claim. (Cl. 68—11.)



A clothes pin bag and a support therefor, said clothes pin bag having substantially the width of said support, the front portion of said clothes pin bag having upwardly projecting tongues at its lateral edges, a lap on the upper edge of the rear portion of said bag, said lap being folded down over the upper extremities of said tongues and stitched thereto to form a looped portion, said support being formed of resilient material and having a lower horizontal portion for engaging the looped portion of said clothes pin bag and having also a pair of vertical portions at its sides, one of said ver-

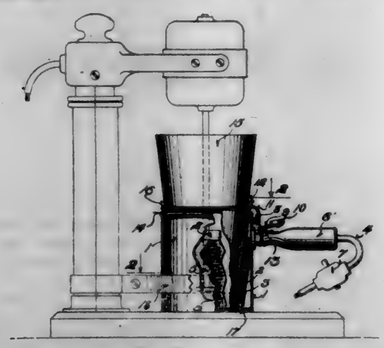
tical portions having a detachable connection with said horizontal portion at one of the lower corners of said support whereby the clothes pin bag may be detached from its support, an inverted U-shaped loop at the upper extremity of each of said vertical portions of said support, upwardly and inwardly inclined portions projecting from said inverted U-shaped loops, and a horizontal transverse portion between the upper extremities of said upwardly and inwardly inclined portions, said inverted U-shaped loops being adapted to engage a clothes line and said upper horizontal transverse portion being adapted to serve as a handle.

1,567,678. PORTABLE COOKING KIT. GEORGE E. RIDDLE, San Mateo, and WILLIAM QUERIOLO, San Francisco, Calif. Filed Jan. 17, 1925. Serial No. 3,097. 21 Claims. (Cl. 126—38.)



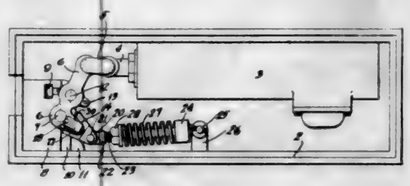
1. A portable cooking kit comprising a cabinet divided into a plurality of compartments adapted to receive cooking equipment and supplies; a door pivotally mounted upon the front of the cabinet; braces pivotally connected to the top of the door and slidably connected to the front of the cabinet adjacent opposite ends thereof, said braces normally being disposed along the ends of the door when in closed position and inclined from the bottom of the cabinet to the outer edge of the door when in open position to support said door in horizontal position at right angles to the front of the cabinet.

1,567,679. DRINK HEATER. JOHN WM. RITTMAN, JOHN ROOD, and WILLIAM DRIVER, Racine, Wis. Filed July 28, 1923. Serial No. 654,371. 1 Claim. (Cl. 219—43.)



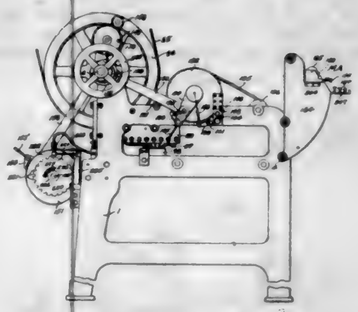
A drink heater comprising a body portion having an open end, said body portion having an inner wall for the reception of a cup and an outer wall, an electric heating element located between said walls, an outwardly projecting handle carried by said body portion, and a spring pressed bell crank shaped detent pivoted to said body portion and having one arm adapted to engage a cup and having a thumb piece positioned above the inner end of said handle.

1,567,680. GROUND BOX WITH TOGGLE JOINT. ROBERT M. ROBINSON, Louisville, Ky., assignor to Cheatham Electric Switching Device Co., Inc., Louisville, Ky., a Corporation of Kentucky. Filed Dec. 22, 1923. Serial No. 682,235. 5 Claims. (Cl. 74—14.)



1. A toggle joint provided with a lever, a projection from said lever, a link pivotally connected to said projection, a pivotally mounted and spring pressed bolt pivoted at its outer end to a stationary member and a pivot connecting said link and bolt, whereby the lever and bolt are connected through two articulations.

1,567,681. PERFORATING MACHINE. ANTHONY C. P. RUSSEN, Edgewood, R. I. Filed Nov. 17, 1923. Serial No. 675,267. 54 Claims. (Cl. 164—112.)

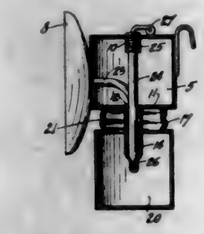


1. In combination, a plurality of punches, pneumatic actions for operating said punches, manually operable means to control the said pneumatic actions to punch holes in a strip of flexible material to produce a master, and a tracker bar having openings therein connected with said pneumatic actions and, adapted to coact with said master to control the punches to punch corresponding openings in one or more strips of flexible material.

1,567,682. MINER'S LAMP. SAMUEL T. SCOBY, Frankfort Heights, Ill., assignor of one-half to Coleman L. Jones, Frankfort Heights, Ill. Filed Aug. 12, 1922. Serial No. 581,418. 1 Claim. (Cl. 48—4.)

In an acetylene lamp including a carbide container and a water container located thereabove, water feed means comprising an elongated tube depending from the bottom of the water container and having its lower end formed with a constricted extension provided with perforations, and a rod threaded through the top of the water container and extending within said tube, the diameter of said rod being considerably less than that of the tube to define an annular space about the rod, and



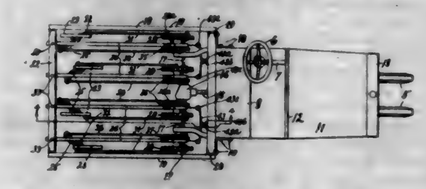


said rod being formed with a reduced extension fitting within the constricted end of the tube for controlling the degree of opening of the perforations.

1,567,683. SOUND-TRANSMISSION APPARATUS. HARALD SMITH, Copenhagen, Denmark. Filed June 8, 1918, Serial No. 238,874. Renewed May 27, 1925. 4 Claims. (Cl. 179—6.)

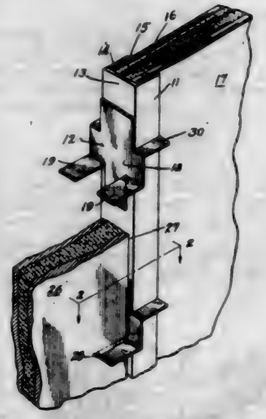
1. The combination with a telephone set comprising a receiver and a transmitter, of a casing constructed to be attached externally to the telephone receiver, said casing being provided with an opening for the transmission of the sounds emitted by the diphragm of said telephone receiver, microphone means disposed within said casing, an outer wall of said casing being provided with an opening constructed to be positioned against the ear of the operator and communication being afforded through the casing from said first-named opening to said second-named opening, sound recording means and electrical circuit means connecting said sound recording means with said microphone means.

1,567,684. WALKING VEHICLE. JOSEPH SRAKULA, South St. Paul, Minn. Filed Oct. 18, 1924. Serial No. 744,400. 4 Claims. (Cl. 180—8.)



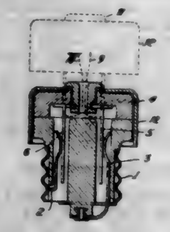
1. In a motor driven vehicle of the class described a main frame comprising a forward section supported by steering means and carrying the motor, and a rear section comprising a box-like skeleton frame, a series of upright frame supporting legs pivotally mounted within the later frame section and oscillable in longitudinal direction of the vehicle, ground contacting members on said legs, means operated by the motor and intermediate the motor and said legs for oscillating the latter in ground contacting position when moving in one direction and in non-ground-contacting position while moving in the opposite direction, said pivot of each leg comprising the extremity of one arm of a bell crank lever, the latter lever pivotally mounted in the long arm of a longitudinally arranged L-shaped rocking beam, said beam being pivotally mounted on a transverse shaft operatively connected with the motor, a pinion on said shaft and adjacent each rocking beam, a gear rotatably mounted on the short arm of each rocking beam and meshing with its adjacent pinion, a crank disk rotatable with said gear; means connecting said gear and its disc respectively with the upper end of each leg and the extremity of the bell crank lever opposite the leg fulcrum for oscillating the leg in a vertical plane.

1,567,685. CLIP AND CHANNEL WALL-BOARD-RETAINING CONSTRUCTION. JOSEPH STRAND, Los Angeles, Calif., assignor to Klinch Lath Corporation, Los Angeles, Calif., a Corporation of California. Filed June 1, 1925. Serial No. 34,097. 3 Claims. (Cl. 72—118.)



1. A wall board retainer comprising: a channel bar adapted to receive an edge of a wall board; and a clip comprising a back adapted to engage the web of said channel bar and an edge of an adjacent wall board, ears extending from said back being capable of extension to either side of said channel bar, and means extending in the opposed direction from said back and embedded in opposite sides of said adjacent wall board for securing said clip to said adjacent wall board.

1,567,686. SEPARABLE PLUG. SWEN R. SWENSON, South Orange, N. J., assignor to Multiple Electric Products Company, Inc., New York, N. Y., a Corporation of New York. Original application filed Feb. 20, 1922, Serial No. 537,770. Divided and this application filed July 9, 1923. Serial No. 650,333. 3 Claims. (Cl. 173—343.)



1. A separable socket plug comprising a socket engaging member and lead wire carrying member, and means comprising a pivotally mounted enclosing member in

operative relation to said plug members for preventing the entry into or withdrawal of the assembled plug from a socket.

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1,567,687. EXPANSION SHIELD. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Original application filed Aug. 25, 1921, Serial No. 495,315. Divided and this application filed Oct. 1, 1924. Serial No. 740,901. 16 Claims. (Cl. 85—2.4.)

10. A one piece sheet metal expansion shield formed of material of uniform thickness and having a central portion forming a closed bottom, and end portions having laterally expansible parallel sides bent from said central portion to form a closed cylindrical shell.

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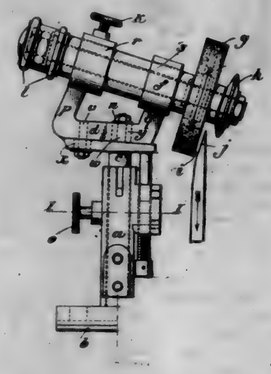
1,567,688. APPARATUS FOR SHARPENING CIRCULAR KNIVES. VICTOR VAN DAMME, Antwerp, Belgium, assignor to The New Elswick Trading Company Limited, Deventer, Netherlands, a Company of The Netherlands. Filed Feb. 9, 1921. Serial No. 443,675. 2 Claims. (Cl. 51—248.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a knife grinding machine, a shaft, means for mounting said shaft in an inclined position, said means being adapted to permit free longitudinal and rotary movement of said shaft, a grinding wheel mounted adjacent the lower end of said shaft adapted to contact with a rotating circular knife whereby the grinding pressure is produced solely by the weight of the wheel and the associated parts and the rotation of the grinding wheel is effected by the friction between the knife and wheel.

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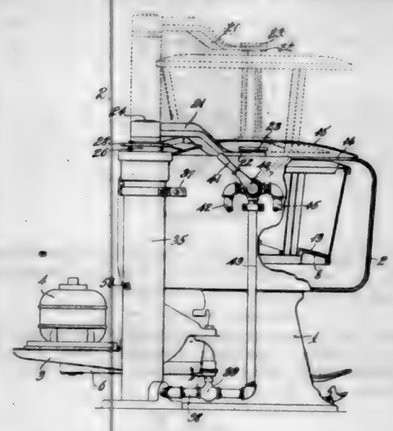
1,567,689. UNLOADING DEVICE FOR UNDERDRIVEN CENTRIFUGAL EXTRACTORS. FRANK M. WATKINS, Cincinnati, Ohio. Filed Jan. 5, 1922. Serial No. 527,181. 7 Claims. (Cl. 210—63.)

1. An extractor, comprising a curb, a load-carrying member rotatably and vertically movable in said curb, means for rotating said member, fluid actuated means for elevating said member, and means whereby operation of



said rotating means prevents the supply of fluid to said fluid actuated means.

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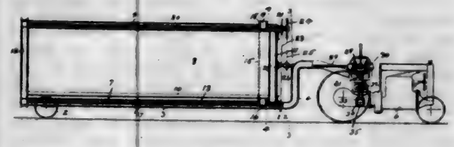
1,567,690. SNOW CARRIER. FREDERICK H. WEAVER, New York, N. Y. Filed Dec. 5, 1923. Serial No. 678,717. 1 Claim. (Cl. 214—82.)



A carrier comprising a body having an opening extending along the lower edges on opposite sides thereof, wheels upon which said body is mounted, four screw threaded rods mounted at the sides of said body, a sprocket wheel mounted on the front end of each of said threaded rods, a chain connecting all of said sprocket wheels to cause the threaded rods to revolve in unison, a large sprocket wheel secured on the end of one of said threaded rods, a main shaft having one end mounted in the front end of the body, a sprocket wheel on said main shaft, a chain connecting the sprocket wheel on the main shaft with the large sprocket wheel on the end of one of said threaded rods, an unloading plate mounted in said body and having threaded lugs on its upper edge projecting over the body and co-operating with the upper threaded rods and threaded lugs on the lower edge of said unloading plate projecting through the openings at the lower edge of the body and co-operating with the threaded rods at the lower edge of the body, and means for revolving the main shaft to cause the unloading plate to move from end to end in said body.

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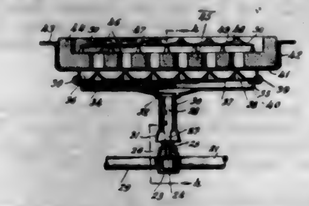
1,567,691. HEATER. OSCAR WIEDERHOLD, Philadelphia, Pa. Filed Jan. 16, 1923. Serial No. 612,877. 10 Claims. (Cl. 126—92.)

1. A heater comprising a burner having nozzles arranged in rows, and a refractory body provided, on the side adjacent the burner, with openings or slits in registry with the respective rows of burner nozzles, and with cross bars between said slits, while on the side



distant from the burner the said body is provided with cross bars spaced from each other and from the first-named cross bars and registering with said slits, the



last-named cross bars being wedge-shaped with the thin edges of the wedges facing away from the first-named cross bars.

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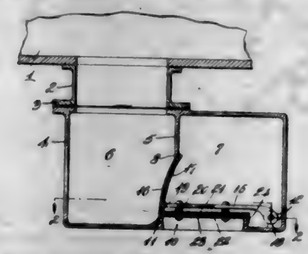
1,567,692. WASHING-MACHINE VALVE. JAMES D. ALEXANDER, Norfolk, Va., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 1, 1920. Serial No. 421,073. 8 Claims. (Cl. 251—10.)



7. A valve structure, comprising a valve casing adapted for communication with a container and having an opening in its wall, a valve seat surrounding said opening, a valve member operatively monuted within said casing, a valve body for cooperation with said valve seat to open and close said casing opening, locking means between said valve member and said valve body and adapted to permit the release of the valve body from the valve member upon relative movement thereof, and a flange on said valve body for normally engaging said valve seat and preventing such relative movement.

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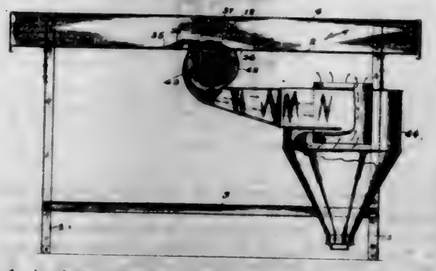
1,567,693. CLEANING MACHINE. GEORGE L. ALLEN and RICHARD C. THOMPSON, Savannah, Ga., assignors to The Allen Engineering and Manufacturing Company, a Partnership composed of George L. Allen, Warren Butler, and J. J. Weigland, Savannah, Ga. Original application filed May 29, 1922, Serial No. 564,323. Divided and this application filed Oct. 2, 1923. Serial No. 666,089. 3 Claims. (Cl. 15—7.)



1. A cloth cleaning machine comprising a table, a brush rotatably mounted beneath the top of the table and a portion of the same extending above the table, means for rotating said brush, a casing for the brush enclosing that part of the brush that is beneath the surface of the table, the axis of said brush being disposed concentrically with one portion of the casing and eccentrically to another portion therof, the shape of the casing and the disposition of the brush being such that the rotation of said brush forms a vacuum in said casing to thereby direct the dust through the casing.

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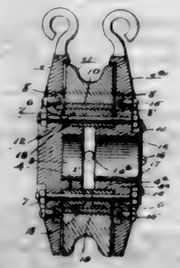
1,567,694. TACKLE BLOCK. BEN A. AMBIN, Bucoda, Wash. Filed Jan. 19, 1925. Serial No. 3,439. 3 Claims. (Cl. 254—192.)



1. A tackle-block comprising a shell in two parts each containing a threaded hub, a means for connecting said hubs, a radial bearing threaded upon said hubs, and a sheave encircling said radial bearing.

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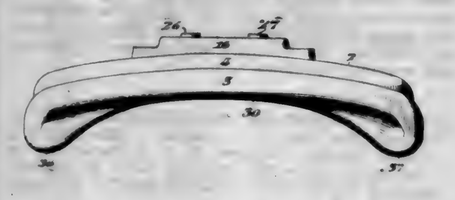
1,567,695. BACKREST. ROBERT C. ANGELL, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 21, 1923. Serial No. 668,067. 10 Claims. (Cl. 155—178.)



1. A back-rest for a dental chair having its longitudinal axis of symmetry disposed in a plane, and its anterior surface variably curved outwardly therefrom and extended laterally forward to form curved protuberances projecting forwardly from said plane approximately one-seventh of the width of said back-rest and arranged to closely embrace the waist of a human form.

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1,567,696. CHAIR SEAT. ROBERT C. ANGELL, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 29, 1924. Serial No. 695,904. 6 Claims. (Cl. 155—178.)

1. A chair-seat formed of a unitary piece of sheet material, and comprising a shell having a rearwardly disposed hollow bowl, and a forwardly disposed hump cooperative with said bowl to afford a sharply inclined abutment extending across the medial region of said seat-shell, and a deeply depending perimetral flange extending substantially below said bowl and providing a perimetral ridge crest which cooperates with said hump

to form spaced shallow channels merging rearwardly into said bowl, said hump and crests rising approximately fifteen-hundredths of the length of said shell above a

horizontal plane tangent to said bowl surface, and the trough of said channels at their maximum height approaching said plane to within thirteen-hundredths of said length.

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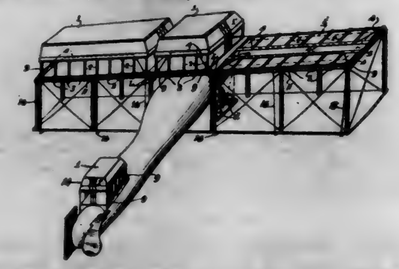
1,567,697. **DEVICE TO PREVENT AN AIRPLANE FROM A TAIL-SPIN FALL.** JACOBUS BAKKER, Missoula, Mont. Filed Sept. 23, 1925. Serial No. 58,210. 5 Claims. (Cl. 244—21.)



1. The combination with an aeroplane of a collapsible, controllable parachute mounted on the top of the supporting surface, said parachute comprising a horizontal frame with a fabric cover, having depending side walls, pivoted arms secured to the lower edges of the side walls, and means for elevating and lowering the arms whereby the parachute can be raised and lowered to operative and inoperative positions.

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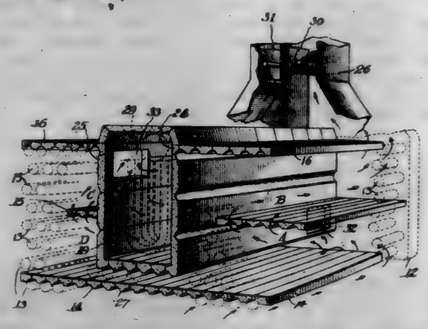
1,567,698. **CROSSFLOW SUPERHEATER.** PAUL A. BANCEL, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed May 23, 1913, Serial No. 769,535. Renewed Nov. 27, 1917. Serial No. 204,277. 13 Claims. (Cl. 122—471.)



12. An apparatus for absorbing heat from hot gases comprising a horizontal water tube boiler provided with a plurality of horizontal baffles which divide the said boiler into a main and subsidiary paths for the passage of the furnace gases therethrough, a connection between two of said paths in which a flow is obtained dependent upon both the total flow and the separate flows in the subsidiary paths, and a heat absorbing means in said connection over which the gases flowing therethrough are adapted to pass.

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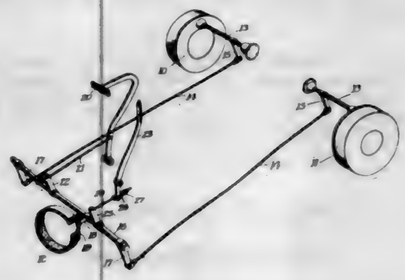
1,567,699. **BRAKING SYSTEM.** VINCENT BENDIX, Chicago, Ill., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 25, 1924. Serial No. 733,895. 6 Claims. (Cl. 188—106.)



6. A braking system for four-wheel motor vehicles, consisting of a brake on each front wheel, a brake on the transmission, a control, connections between said control and the brakes, and foot and hand levers operable separately and independently through said control to apply the brakes.

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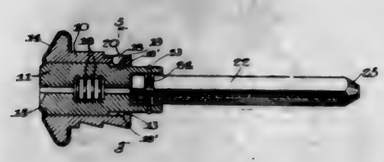
1,567,700. **FORCED-FEED SYSTEM FOR INTERNAL-COMBUSTION ENGINES DRIVING SCREW PROPELLERS.** LUCA BONGIOVANNI, Turin, Italy. Filed Jan. 16, 1925. Serial No. 2,855. 9 Claims. (Cl. 244—25.)

1. A forced feed device for aeroplane engines comprising a collector in communication with the engine; and a propeller having passages in the blades associated at the outer ends with the collector and the inner ends with a central opening whereby upon rotation of the propeller air will be sucked into the passages through the central opening and will be forced by centrifugal force through the passages into the collector.



1,567,701. **PILLAR LOCK.** STEPHEN F. BRIGGS and EDWARD N. JACOBI, Milwaukee, Wis., assignors, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 16, 1924. Serial No. 706,898. 6 Claims. (Cl. 70—46.)



1. In a lock, a bushing having a flange, a lock barrel rotatably mounted in the bushing and fitting against the flange, and a finished metal shell extending over the end of the bushing and confining the lock barrel in place, the finish of said shell serving as the finish for the end of the bushing.

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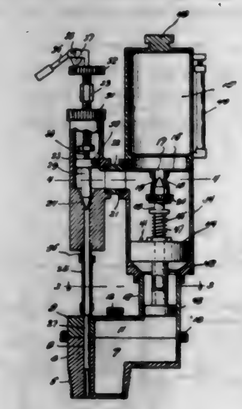
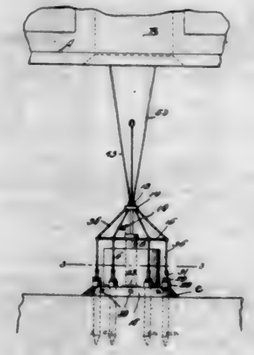
1,567,702. **OIL CUP.** PERRY O. BROWN, St. Vincent, Minn., assignor of one-half to G. V. Backstrom, St. Vincent, Minn. Filed May 14, 1925. Serial No. 30,319. 2 Claims. (Cl. 184—68.)



1. A lubricating device of the class described including a cylinder, a reservoir below the cylinder, a receptacle above the cylinder, a valve seat disposed between the receptacle and the cylinder, a valve associated with the seat, a plunger including a head slidable in the cylinder and a head slidable in the reservoir, a thermally expansible fluid in the reservoir, said cylinder provided with an oil outlet, a resilient connection between the plunger in the cylinder and the valve, whereby when the material in the reservoir is expanded, the plunger will be moved, so as to move the head in the cylinder, so as to close the valve through the resilient connection, and force the oil from the cylinder, without interfering with the oil in the receptacle.

1,567,703. **ANCHORAGE ASSEMBLY FOR AIRSHIPS.** JOHN ENLOE BROYLES, Entiat, Wash., assignor of one-half to H. E. Robertson and T. H. Weller, both of Russellville, Mo. Filed Jan. 31, 1925. Serial No. 6,065. 4 Claims. (Cl. 244—2.)



1. An anchor for an apparatus of the class described including a ring, a core in the ring, stakes in the ring, ground engaging locking means associated with the stakes, and a releasing mechanism associated with said locking means.

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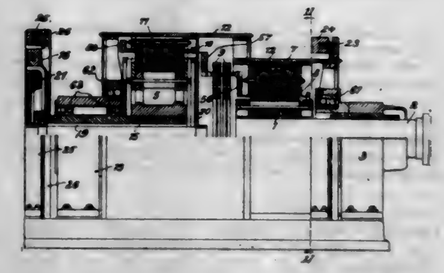
1,567,704. **ELECTRIC POWER-TRANSMISSION GEAR.** FRANZ BRÜGGEMANN, Charlottenburg, Germany. Filed July 5, 1924. Serial No. 724,476. 4 Claims. (Cl. 172—239.)



1. An electric speed reduction mechanism for power transmission comprising a generator and an induction motor both of the polyphase alternating current type, the stators of said generator and motor being fixed to each other and mounted for rotation as a unit, a polyphase ring system comprising a plurality of annular conductors non-inductively associated and adapted for connecting the conductor bars of the induced generator member with the conductor bars of like phase of the induced member of the motor, said induced members being independently rotatable.

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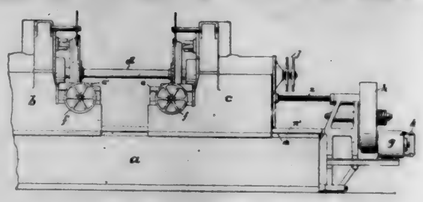
1,567,705. **LATHE.** JOHN BURT, Narberth, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 13, 1924. Serial No. 712,924. 12 Claims. (Cl. 82—8.)

1. A car wheel lathe having a bed, a head arranged to be moved longitudinally of the bed relative to the car wheels to be turned, and a longitudinally extending guide and groove connection between the head and bed,

below the top of the bed and protected thereby, the guide and groove being so arranged that the top of the guide at one end is forced into engagement with the upper face



of the groove while the bottom of the guide at the other end is forced into engagement with the lower face by the movement of the head into engagement with a car wheel which tends to overturn the head.

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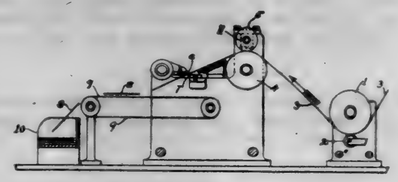
1,567,706. MECHANISM FOR CONVERTING A WEB OF FLEXIBLE MATERIAL INTO SHEETS. JAMES A. CAMERON, Brooklyn, N. Y., and ROBERT McC. JOHNSTONE, Roselle Park, N. J., assignors to Cameron Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 21, 1924. Serial No. 751,410. 7 Claims. (Cl. 164—61.)



1. Mechanism for converting a web of flexible material into sheets including: score-cut slitting means to cut a web throughout into longitudinally independent sections without distorting the sections out of parallelism, a feeding device engaging the sections to exert an equal pull on all the sections to thereby advance them in parallelism, and severing devices to cut the sections, simultaneously into a plurality of sheets substantially at right angles to their longitudinal advance.

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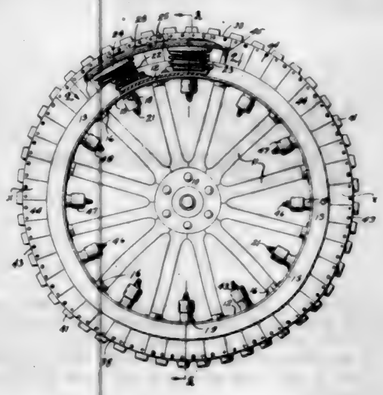
1,567,707. SAFE. CLIFFORD G. CARLSON, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y., a Corporation of Massachusetts. Filed August 19, 1920. Serial No. 404,528. 10 Claims. (Cl. 109—2.)

1. A joint for the hinged parts of safe structures embodying flared grooves and complementary tapered tongues extending lengthwise of and crossing the joint at an angle of substantially 45° to the plane of each of said hinged parts, said tongues and grooves having parallel flat opposed faces arranged to contact face to face and prevent relative rectilinear movement of said hinged parts in any direction perpendicular to the hinge axis while permitting free pivotal movement of said parts about said hinge axis.

1,567,708. RESILIENT RIM. ENO W. CARLSON, Osceola, Iowa. Filed Apr. 27, 1925. Serial No. 26,058. 4 Claims. (Cl. 152—29.)



1. In a resilient rim, a felloe, a series of posts slidably mounted therein in circumferentially spaced relation, a laminated rim structure mounted on the outer ends of said posts comprising a plurality of layers of plates so arranged as to break joints between the successive layers, each plate being mounted on one post, the plates of each layer being arranged to permit play, springs interposed between the felloe and the laminated rim structure, and a flexible chain mounted on said rim.

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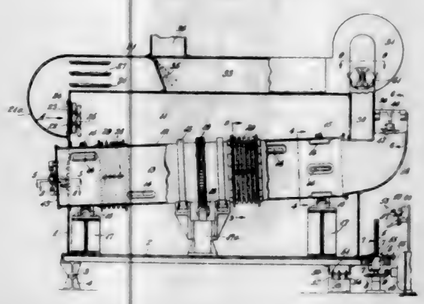
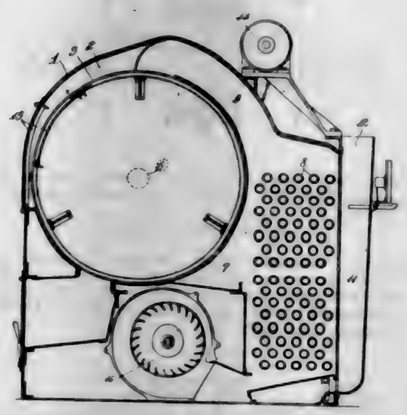
1,567,709. DRIER. EMIL J. CARROLL, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 14, 1922. Serial No. 568,257. 15 Claims. (Cl. 34—6.)



7. Drying apparatus, comprising a drum rotatable about its own axis and adapted to contain material to be dried, said drum being mounted to turn about a transverse axis to produce increasing inclination of its own axis to the horizontal for causing material therein to slide to an outlet, means for producing flow of air through said drum to absorb moisture from the material therein, and means sensitive to the humidity of the moisture laden air for increasing the speed of rotation of said drum and for also tilting the drum about said transverse axis to produce increasing inclination of the drum axis to the horizontal.



1,567,710. CONTROL SYSTEM FOR DRYING APPARATUS. EMIL J. CARROLL, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 30, 1922. Serial No. 571,865. 7 Claims. (Cl. 34—5.)



7. Drying apparatus, comprising a drying tumbler including a rotating drum in which the material to be dried is placed, an electric motor for rotating said drum, means for conducting a current of air through said drum, an electric motor for operating said air conducting means, means for maintaining the two motor circuits in running condition, and means sensitive to the humidity of the air in said machine for controlling said maintaining means and arranged to open said motor circuits when the material is dried to a predetermined degree.

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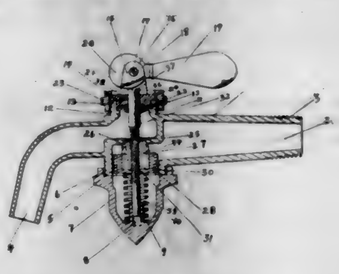
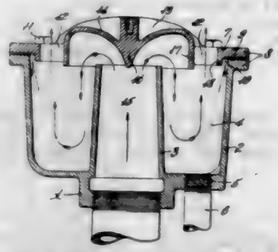
1,567,711. ADJUSTABLE FAUCET. FRANKLIN D. CHASE, Berkeley, Calif. Filed Nov. 28, 1924. Serial No. 752,570. 5 Claims. (Cl. 251—132.)



1. A faucet comprising in combination inlet and outlet passages, and a valve seat there-between, a plug secured to the top of the valve, a stem slidably mounted through the plug and extending through the valve seat, a valve adjustably mounted on the stem, a cap having a screw threaded engagement with the lower part of the faucet and opposite the plug, and means to reciprocate the stem, a spring in the cap normally tensioned to press the valve against the seat and means on the stem outside of the plug to adjust the valve on the said stem.

3. In a faucet, a stem having an upper cylindrical part, a notch in the head of the stem, a screw threaded portion, an upwardly faced valve cup screw-threaded thereon, a valve retained in the cup and a lower cylindrical part on the stem below the valve cup.

1,567,712. EXHAUST HEAD. THOMAS J. COOKSON, Cleveland, Ohio, assignor to The Fulton Foundry and Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 10, 1923. Serial No. 625,603. 2 Claims. (Cl. 183—95.)



1. A head for exhaust pipes, comprising a hollow shell adapted for connection to said pipe and having a hollow central core portion, a cap or cover for said shell provided with an arched under surface terminating in an inner annular skirt over said chamber, a series of outlet ports in said cap or cover located outwardly beyond the annular skirt thereof, and an outer annular skirt on said cap or cover located outwardly beyond said exhaust ports and extending downwardly toward said annular chamber.

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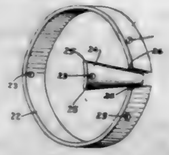
1,567,713. APPARATUS FOR RELINING MOTOR-VEHICLE BRAKE BANDS. JOHN CORSER and PETER C. OLSON, Minneapolis, Minn.; said Olson assignor to said Corser. Filed July 10, 1922. Serial No. 574,006. 2 Claims. (Cl. 218—19.)



1. An apparatus for relining motor vehicle brake-bands comprising a substantially annular split anvil, the anvil having a portion of greater width than the brake band to be relined whereby a portion of the anvil may project beyond the brake band when the anvil is in operative position, and a wedge adapted to be positioned in the split anvil to expand it, said projecting anvil portion and said wedge each formed to receive means to facilitate handling the anvil and withdrawal of the wedge.

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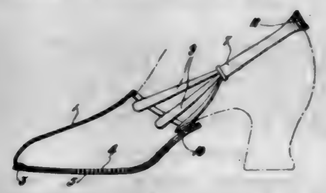
1,567,714. GOLOSH OR OVERSHOE. MORLAND MICHOLL DESSAU, London, England. Filed Nov. 8, 1924. Serial No. 748,704. 3 Claims. (Cl. 36—6.)



1. A golosh or overshoe comprising an upper formed in one piece from a blank of plantation rubber crêpe, an inturned edge to said upper, an insole formed from a blank of plantation rubber crêpe secured to the inner surface of said inturned edge, an outsole formed from

a blank of plantation rubber crêpe secured to the outer surface of said inturned edge and to said insole, and an opening at the rear of the overshoe out of which the rear part of the ordinary shoe can extend, said upper having free edges all of which are formed with a reinforcing bead by doubling the edges.

2. A golosh or overshoe according to claim 1, including a rubber air cushion secured to the upper surface of the overshoe sole and near the rear edges thereof.

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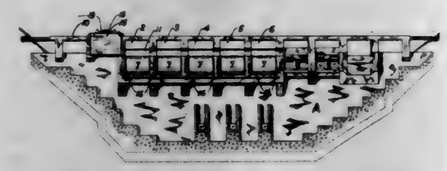
1,567,715. EMERGENCY GATE FOR SPILLWAYS AND OVERFLOW DAMS. CLINTON DE WITT, Berkeley, Calif. Filed Mar. 17, 1924. Serial No. 699,644. 5 Claims. (Cl. 61—30.)



1. In a dam of the character described, a crest portion having a number of spillways formed therein, an emergency gate adapted to cooperate with any one of the spillways, means in each spillway for guiding and receiving the gate, and means for moving the gate longitudinally of the dam and for raising and lowering the gate with relation to any spillway.

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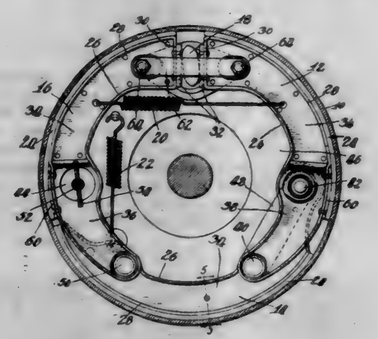
1,567,716. BRAKE SHOE. ADIEL Y. DODGE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 20, 1925. Serial No. 24,426. 19 Claims. (Cl. 188—250.)



9. A pressed metal brake shoe comprising two parts having radial flanges secured together, and having oppositely-projecting circumferential flanges cooperating to form a support for the brake lining, the radial flanges being extended to form parallel spaced arms at one end of the shoe.

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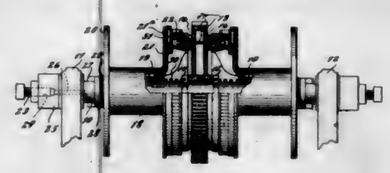
1,567,717. FRICTION DEVICE. PAUL DUBOSCLARD, Brooklyn, N. Y., assignor to Lidgerwood Manufacturing Company, New York, N. Y., a Corporation of New York. Filed Jan. 3, 1924. Serial No. 684,110. 3 Claims. (Cl. 192—107.)

1. In combination, a driving member and a driven member provided with respective friction elements engageable with each other, one of said friction elements being formed of removable sections, the other friction element comprising a continuous annular portion at least



partially surrounding the first friction element, and means for removably securing said annular portion to its member.

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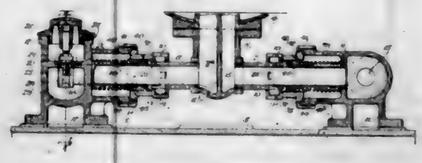
1,567,718. TILTING TRAP. NORMAN C. ELLIS and HUBERT C. ELLIS, Evanston, Ill., assignor to Ellis Drier & Elevator Company, Chicago, Ill., a Corporation of Wisconsin. Filed Aug. 4, 1922. Serial No. 579,657. 3 Claims. (Cl. 137—101.)



3. In a tilting trap, the combination of a tiltable drum, a fitting, a trunnion pipe rotatable in the fitting and with the drum and having a fluid passage therein communicating with said drum, said pipe being formed of a pair of sections adapted to rotate together and removably connected, a connection between the fitting and the pipe comprising a pair of rings having fluid-tight contact, one of said rings being secured to one of the pipe sections, a diaphragm fixed to the other ring and to the fitting, and a bearing in the fitting for rotatably supporting the pipe independently of the diaphragm, a valve for controlling the fluid, and an arm on the other of said pipe sections for shifting said valve.

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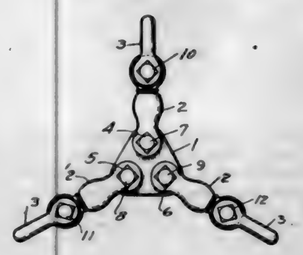
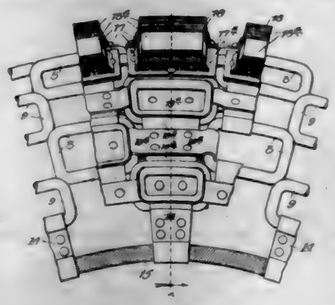
1,567,719. BUTT-LINE-RIGGING PLATE. JORGEN N. ERLANDSEN, Everett, Wash. Filed May 5, 1924. Serial No. 711,084. 7 Claims. (Cl. 254—135.)



4. In a butt-line rigging plate, a plurality of swivel shackles, other shackles pivotally attached to the outer ends of the shackles, and a means for pivotally holding the shackles to a common member in such a manner that the centers of their pivots will be in the vertexes of an equilateral polygon.



1,567,720. TIRE ARMOR. JOSEPH FERRO, Springfield, Ill. Filed Nov. 5, 1924. Serial No. 747,909. 1 Claim. (Cl. 152—16.)



Tread-cushioning means for tire armor, comprising a frame havign an endless outwardly tapering wall, a cushion protruding through said frame, said cushion having a tapering portion corresponding to and intimately fitting the inner surface of said wall, said frame having an outwardly extending base flange completely surrounding said wall, an outwardly extending base flange completely surrounding said cushion and disposed under the first-mentioned base flange, and a plurality of elements independent of each other to secure said frame and cushion together and to tire armor, said elements passing through said tapering portion.

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1,567,721. TESTING STAY BOLTS HAVING TELL-TALE HOLES. JOHN ROGERS FLANNERY, Pittsburgh, Pa., and WILLIAM MCCLINE WILSON, Chicago, Ill., assignors to Flannery Bolt Company, Pittsburgh, Pa. Filed Mar. 18, 1921. Serial No. 453,220. 3 Claims. (Cl. 85—1.5.)

1. A staybolt having a tell-tale hole extending from one end of the bolt axially thereof and closed at its other end, and indicating means at said closed end only of said hole for cooperation with a testing implement, substantially as described.

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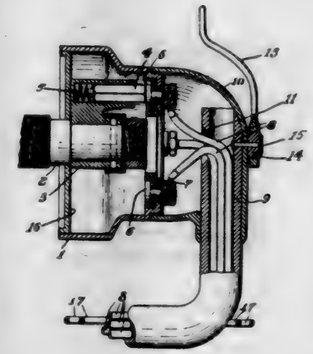
1,567,722. TIMER FOR INTERNAL-COMBUSTION ENGINES. EDMOND EDWARD FOURNIER, Fall River, Mass., assignor of forty-four one-hundredths to Merton I. Vestal, Fall River, Mass., and fifty-six one-hundredths to said Edmond E. Fournier. Filed Apr. 1, 1920. Serial No. 370,619. 3 Claims. (Cl. 200—24.)

1. A timer comprising a relatively rotatable casing and a relatively stationary wire cover mounted in contiguous relation to each other, a rotor and contacts mounted in said casing, a lug on said wire cover, a loom entering said wire cover, lead wires to said contacts extending through said loom axially into the casing, a fas-



tening set through said lug of the wire cover and securing said loom thereto, and an arm engaging said lug and holding said wire cover against movement upon rotation of the casing.

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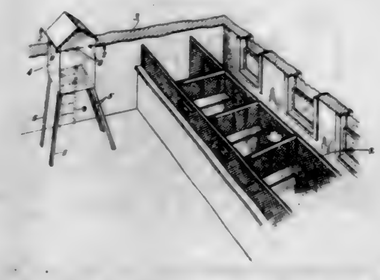
1,567,723. BURGLAR PROTECTION. HARRY FRANK, Brooklyn, N. Y. Filed July 17, 1925. Serial No. 44,175. 1 Claim. (Cl. 89—36.)



In a business establishment having a cage or counter at which valuables are dealt in and a space before the counter for patrons, a tower positioned in removed relation with respect to the cage or counter and inaccessible therefrom, said tower embodying a bullet proof guard enclosure mounted on suitable leg supports at a sufficiently high elevation to provide an open space beneath the tower and to command thorough view of the counter and patrons and to be inaccessible without the employment of extraneous means, said enclosure having loop holes through which the guard can see and shoot, means to permit the guard to gain access to the enclosure, which means is normally out of cooperation with the tower, whereby the guard is safe from attack and can exercise full surveillance over the activities of patrons and intruders, and alarm means controllable from within the enclosure.

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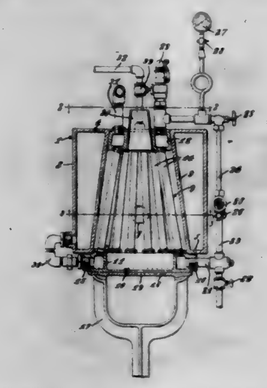
1,567,724. STEAM BOILER. LESTER C. FRASER, Los Angeles, Calif. Filed Sept. 14, 1921. Serial No. 500,516. 3 Claims. (Cl. 122—172.)

1. In a boiler, a shell comprising an outer cylindrical wall, an inner conical wall, a top joining the upper ends of the walls and a bottom joining the lower ends of the walls; an upper ring header seated in the upper end of

the inner wall, a lower ring header located at the lower end of the inner wall supporting the shell, and tubes connecting the headers and located within the inner wall.



an inlet for the lower header, a connection between the upper header and the shell, a connection between the lower header and the shell, and an outlet for the shell.

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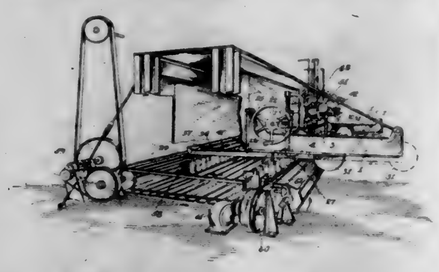
1,567,725. LEER-FEEDING APPARATUS. IRA H. FREESE, Clarksburg, W. Va., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a Corporation of West Virginia. Filed Nov. 17, 1923. Serial No. 675,273. 32 Claims. (Cl. 198—30.)



1. A leer feeder including means for lifting a row of glass ware, said means being operative irrespective of the number of articles or their lineal position in the row, and means for depositing the glass ware in the leer.

15. A leer feeder including a carriage movable bodily toward and from a leer, arms pivotally mounted on the carriage, gripping jaws carried by the arms, a fluid pressure cylinder operatively connected with the gripping jaws, and means for varying the limit of stroke of the piston in said cylinder to vary the extent of closing of the gripping jaws.

25. A leer feeder including a carriage movable bodily toward and from the leer, arms carried by the carriage, means carried by the arms for picking up glassware, and means carried by the arms for pushing glassware.

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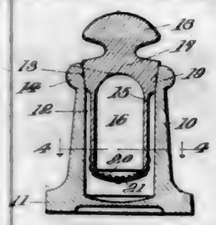
1,567,726. MOISTUREPROOF CONDIMENT HOLDER. DAVID ELMORE FRIERSON, Charleston, W. Va. Filed July 21, 1922. Serial No. 576,408. 3 Claims. (Cl. 65—45.)

1. A condiment holder of the character described comprising a hollow support member having an open top and an enlarged base portion, said open end having an internal tapered portion, and a condiment container member open at one end and having a solid enlargement at the other end, said enlargement having an external taper complemental to the tapered portion of the open end of said support member, so that an air and moisture tight



joint is formed when the container member is inserted into the support member, and a perforated closure for the open end of the container member.

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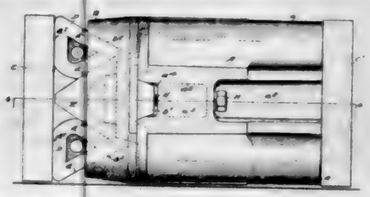
1,567,727. RAILWAY DRAFT GEAR. RICHARD D. GALLAGHER, Jr., Freeport, N. Y., assignor to Lillian K. Gallagher, Freeport, N. Y. Filed Aug. 15, 1924. Serial No. 732,204. 22 Claims. (Cl. 213—26.)



1. In a draft gear the combination of a pressure transmitting means including a friction box, said box having a wedge reciving opening with friction surfaces at its opposite ends, a spring, a center wedge of friction block held advanced by said spring to position it in the box between the opposed friction surfaces of said box, a side wedge between said center wedge and each of the friction surfaces of the box and having one face only adapted to engage said surface, and means for preventing insertion of the side wedges in the wedge opening between the center wedge and box when the box engaging faces of said side wedges have been moved about a transverse axis while permitting the respective wedges to be reversed endwise in the opening.

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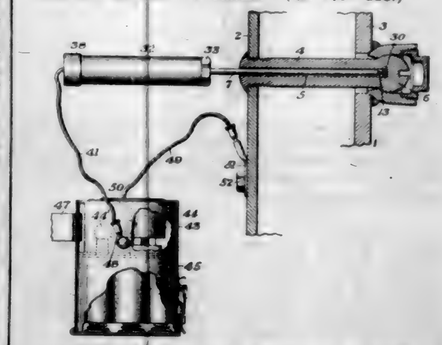
1,567,728. MEANS FOR TESTING BOILER STAY BOLTS. GROVER R. GREENSLADE, Pittsburgh, Pa., assignor to Flannery Bolt Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 21, 1923. Serial No. 681,955. 9 Claims. (Cl. 175—183.)



1. Means for testing the condition of the telltale hole of a staybolt when such hole is closed at one end and regardless of whether the length of said hole is known



or unknown, comprising a testing implement adapted for insertion into said telltale hole, and means associated with said implement and adapted to indicate whether said implement has reached the original closed end of said telltale hole, substantially as described.

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1,567,729. RAILWAY CAR. BENJAMIN B. GREER, Chicago, Ill. Filed Apr. 7, 1924. Serial No. 704,587. 9 Claims. (Cl. 105—406.)

1. A car construction, the side and end walls whereof consist of superposed, edge to edge, planks, mounted on the end and side sills of the car underframe, the longitudinal upper edge of the top planks being provided with metallic angle plates bolted thereto, an inverted tripodal brace on the end walls, side posts and diagonal bracing secured to the side sills and said angle plates, and gusset members extending upwardly from the side sills along the inner side walls and secured thereto.

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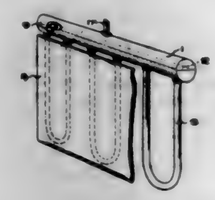
1,567,730. REFRIGERATOR-COOLING MEANS. MELVIN SOLOMON GROH, Toronto, Ontario, Canada, assignor to Joseph Mercadante, New York, N. Y. Filed Feb. 4, 1924. Serial No. 690,622. 3 Claims. (Cl. 62—95.)



2. In refrigerating cooling means, a container, adapted to contain liquid refrigerant with acid forming properties, and a baffle disposed horizontally in the container and filling substantially the entire length of said container, said baffle having both of its sides out of contact with the inner surface of the container, said baffle being constructed of material adapted to neutralize the acid formed from said liquid refrigerant.

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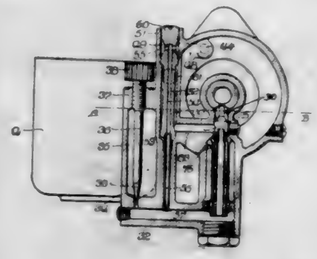
1,567,731. VALUABLE COMPOUND FOR DYEING. FRITZ GÜNTHER, Ludwigshafen-on-the-Rhine, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed June 8, 1925. Serial No. 35,790. 6 Claims. (Cl. 260—48.)

1. A process of manufacturing valuable products for dyeing which consists in acting with a carbonic acid halogenid on an aromatic ortho-amino-carboxylic acid other than an uncolored anthranilic acid body.



1,567,732. CARBURETOR. CHARLES J. GUSTAFSON, Chicago, Ill., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 11, 1918. Serial No. 216,430. 2 Claims. (Cl. 261—41.)



1. In a carburetor having an air inlet, a mixture outlet and a throttle controlling said outlet, a main nozzle, an accelerating well, a connection from said accelerating well to said main nozzle, venting means for admitting air to the upper part of said accelerating well, air venting means for said main nozzle, and means for decreasing the venting of said main nozzle as the throttle opens.

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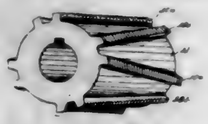
1,567,733. THREAD-FORMING TOOL. BENGT M. W. HANSON, Hartford, Conn.: Einar A. Hanson and Clarence E. Whitney executors of said Bengt M. W. Hanson, deceased. Filed June 23, 1920. Serial No. 391,012. 6 Claims. (Cl. 10—141.)



3. A thread forming tool comprising a plurality of rows of teeth, some of said rows being inclined in one direction to a line at right angles to the direction of movement of the teeth and others in the opposite direction, and the obtuse angled edge of each tooth being cut back.

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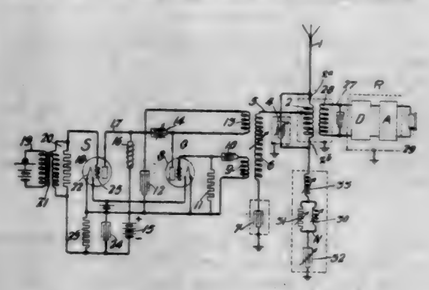
1,567,734. RADIO TRANSMISSION SYSTEM. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 1, 1919. Serial No. 327,744. 9 Claims. (Cl. 250—9.)



4. A duplex radio system comprising an aerial, separate and independent tuning means for transmission and reception, and a network comprising impedance elements simulating the impedance of said aerial over a wide

range of frequencies whereby, with a fixed and invariable adjustment of said elements, either the transmitting or receiving frequencies may be varied over a considerable frequency range by means of one of said tuning means, with a minimum of interference with the frequency established by the other tuning means.

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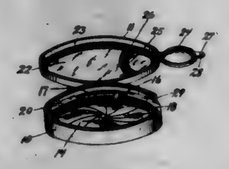
1,567,735. TOILET CASE. HELEN HIRSHBEIN, New York, N. Y. Filed May 10, 1924. Serial No. 712,257. 5 Claims. (Cl. 132—83.)



2. In a toilet case, the body portion providing a powder compartment and having a hinged lid, a closure member of the iris diaphragm type for the powder compartment and means for operating said closure member.

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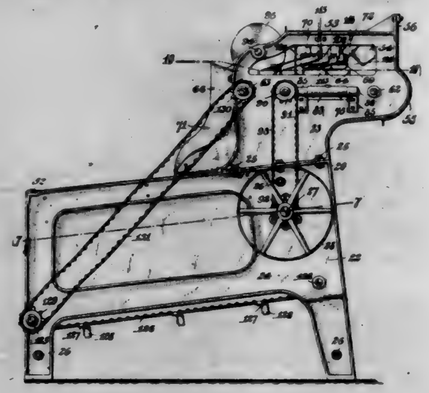
1,567,736. CORN-HUSKING MACHINE. CHARLES T. HOWSON, Silver Creek, N. Y. Filed Apr. 17, 1920. Serial No. 374,682. 19 Claims. (Cl. 130—5.)



1. A corn husking machine comprising feeding mechanism by means of which ears of corn are transversely fed, husking mechanism beneath said feeding mechanism and in the path of the corn passing through said machine, and a chute at corresponding ends of said feeding and husking mechanisms receiving the ears of corn from said feeding mechanism while transversely fed and giving said ears a quarter turn to deliver the same longitudinally to said husking mechanism.

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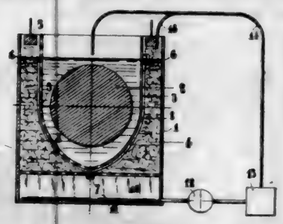
1,567,737. MAKING OF SHEET COPPER ELECTROLYTICALLY. MARCEL ANDRÉ JULLIEN, Paris, France. Filed Nov. 4, 1924. Serial No. 747,811. 1 Claim. (Cl. 204—11.)

Apparatus for use in the electrolytic manufacture of copper sheets of substantial size, comprising a container for the electrolyte a revolving cathode mounted in the container, and an anode serving as a container for copper waste or granulated black copper and comprising permeable walls and reinforcing members mounted on said walls in a slantwise direction to prevent deformation



of the said walls without impairing the evenness of the electrolytic deposit on the surface of the revolving cathode.

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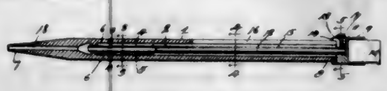
1,567,738. PENCIL. LEE G. KNIGHT, Omaha, Nebr. Filed June 17, 1924. Serial No. 720,607. 2 Claims. (Cl. 120—19.)

1. A pencil comprising a casing having a chamber therein, a plurality of longitudinally disposed grooves in the wall of the chamber of the casing, a sleeve rotatably mounted within the chamber of the casing and having an opening in the sides thereof adapted to register with any of the grooves in the wall of the casing chamber, a rotatable member mounted on the casing and to which the sleeve is secured, a push rod slidably mounted within the sleeve, said push rod being provided with a finger engaging member extending through the slot of the rotatable member and adapted to be received in a longitudinally disposed slot in the casing during a lead discharging operation, said finger engaging member extending through a longitudinally disposed slot in the sleeve.

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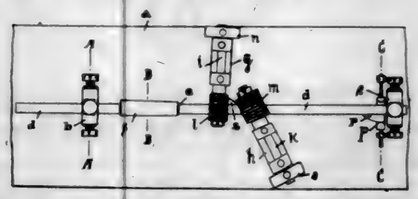
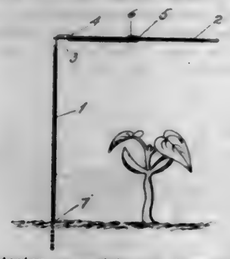
1,567,739. APPARATUS FOR MAKING ARTIFICIAL HARTSHORN SCALES FOR POCKETKNIVES. ERNST KÜHN, Jr., Solingen, Germany, assignor to the Firm of: Anton Benz, Solingen, Germany. Filed Dec. 30, 1924. Serial No. 758,949. 1 Claim. (Cl. 29—95.)



In an apparatus for making artificial hartshorn scales of bone for hilts of pocketknives or the like; the combination of a reciprocating slide for the reception of the scale to be worked, rotary cutters arranged above said slide and obliquely to the longitudinal direction of the same, fixed guides for said slide, a laterally movable support for said slide beside one of said guides, a raised plane on said support, and wedgelike lateral projections fitted to both lateral faces of said slide and adapted to eventually move said support in lateral directions whereby said slide is made to bear either upon the support or upon the raised plane of the latter respectively, substantially as and for the purpose set forth.



1,567,740. PLANT PROTECTOR. JOSEPH T. L. LAVAGETTO, Portland, Oreg. Filed Apr. 30, 1923. Serial No. 635,783. 1 Claim. (Cl. 47—28.)



A plant protector, comprising an imperforate top having one aperture near the periphery and a second aperture at the center, with a standard therefor comprising a vertical portion pointed at the bottom and adapted to be pressed into the ground, and a horizontal portion extending toward one side from the top of the vertical portion, said horizontal portion beginning at the edge of the imperforate top nearest to the first-named aperture and proceeding in contact with the upper surface of said imperforate top toward said first-named aperture, thence proceeding downwardly through said first-named aperture and in contact with the lower surface of said imperforate top toward the second-named aperture, then proceeding upwardly through said second-named aperture, and bending back in clamping contact with the upper surface of the imperforate top for a short distance toward the starting point, substantially as and for the purpose set forth.

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1,567,741. ELECTROTHERAPEUTIC APPLIANCE. ALFRED LLOYD, London, England. Filed Sept. 30, 1924. Serial No. 740,698. 5 Claims. (Cl. 174—89.)

1. An electro-therapeutic appliance comprising a frame, a plurality of elongate electrodes of axially undulating contour and of opposite polarity mounted to rotate in said frame by frictional contact with the flesh of the patient, means to supply electric current to said electrodes, and a make and break device in the circuit actuated automatically by the rotation of the electrodes, the current flow being from one electrode to another through the flesh of the patient.

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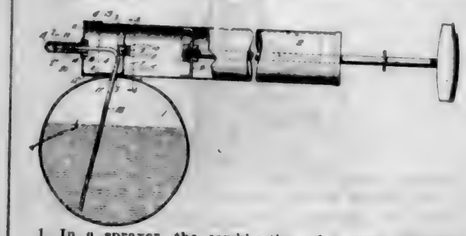
1,567,742. SOUVENIR LAMP SHADE. JOSÉ M. LOZANO, New York, N. Y. Filed Aug. 4, 1925. Serial No. 48,031. 1 Claim. (Cl. 41—21.)

As a new article of manufacture for retail sale, a flexible transparent unformed lamp-shade blank, bearing a pictorial illustration and having an unadorned space to receive autographs or the like intended to be sold before forming into a complete lamp shade to enable the purchaser to secure autographs thereon.

1,567,743. LIQUID SPRAYER. DON E. MACDONALD and LAFAYETTE VAN ALST, Batavia, New York, assignors to R. E. Chapin Mfg. Works, Batavia, N. Y. Filed Apr. 26, 1922. Serial No. 556,672. 6 Claims. (Cl. 299—89.)



1. In a sprayer, the combination of a pump cylinder, a cup-shaped closure member fitting within the end of said cylinder and forming an air pressure chamber, said member projecting out of the pump cylinder beyond the end thereof, a check valve carried by said closure member, a cover for said closure member having a flange fitting externally on the end of said cup member and lying adjacent to the end of the cylinder to permit the securing of the closure member in position in said cylinder and the cover on said member by a single solder joint, a liquid receptacle communicating with said pressure chamber, a nozzle mounted on said cap, and a liquid tube leading from the lower part of said receptacle into said nozzle.

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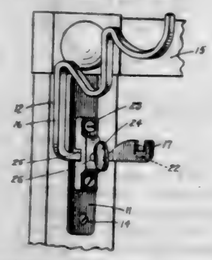
1,567,744. COMBINATION BRACKET. ALFRED MATHIS, North Bergen, N. J., assignor to M. M. Combination Shades and Curtains Hanger Manufacturing Company, North Bergen Township, N. J., a Company composed of said Alfred Mathis. Filed July 12, 1922. Serial No. 574,431. 1 Claim. (Cl. 156—24.)



A bracket comprising an attaching member, a bracket member formed of a single piece of material and bent to provide spaced supporting parts connected by an intermediate part, one of said supporting parts being bent upwardly, downwardly and forwardly, thence upwardly to form the notch for the reception of a drapery rod, and thence forwardly to form a semi-circular portion for the reception of a curtain pole, the other supporting part being bent outwardly and provided with a slot for the reception of a shade roller, and means carried by the attaching plate for adjustably supporting the bracket member between the supporting parts, said means including a plate removably mounted on said attaching member and having a passage therein for slidably receiving said intermediate part, and a set screw carried by said plate for clamping engagement with said intermediate part.

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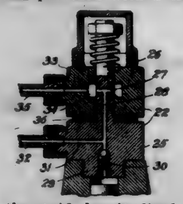
1,567,745. LUBRICATING DEVICE. RUDOLPH F. MAU, Chicago, Ill., assignor to Mau Manufacturing Company, a Corporation of Illinois. Filed Nov. 3, 1921. Serial No. 512,506. 5 Claims. (Cl. 148—7.)

1. In a lubricating system, a connection comprising a body member having securing means at one end thereof

and provided with a longitudinally extending aperture, a longitudinally extending stem projecting from the opposite end thereof and provided with a transverse aperture



connected with the said longitudinal aperture, and a hollow member pivoted on said stem and provided with means for connecting thereto a pipe for the flow of lubricant.

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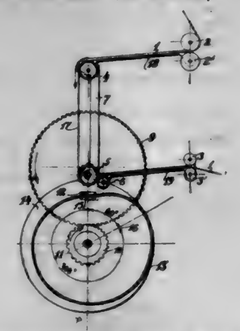
1,567,746. **DEVICE ADAPTED TO MAINTAIN FOR A PREDETERMINED PERIOD OF TIME A CONTINUOUSLY-MOVING BAND, FILM, OR THE LIKE OPPOSITE A STATIONARY BODY.** ALESSANDRO MICHETTI, Rome, Italy. Filed Mar. 1, 1924. Serial No. 696,371. 2 Claims. (Cl. 88—18.)



1. A cinematographic film feed device, comprising, oscillable parallel film guide arms, a reciprocable frame pivotally mounted on the guide arms, means for reciprocating the frame, and a sprocket film drive roller carried by the said frame, said means for reciprocating the frame including, a rotatable disk, a cam on the disk and projecting at substantially right angles to the face of the disk, and a forked shape arm connected to the frame, the forked shape arm engaging the cam on either side thereof.

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1,567,747. **STORAGE-BATTERY SEPARATOR.** PAUL E. NORRIS, Wilkinsburg, Pa., assignor to Westinghouse Union Battery Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Nov. 1, 1923. Serial No. 672,158. 4 Claims. (Cl. 136—146.)

1. A storage battery separator comprising rubber latex.

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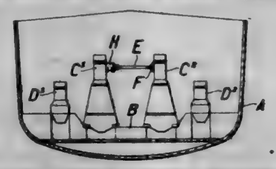
1,567,748. **DEVICE FOR RELATIVELY PROPPING PISTON ENGINES ON SHIPS.** ERNST OEHLER, Kiel, Germany, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Filed Mar. 30, 1925. Serial No. 19,507. 3 Claims. (Cl. 114—0.5.)




1. A device for relatively propping parallelly arranged piston engines on ships, consisting of a prop connecting the engines with each other and including means for rendering the prop rigid against rapid movements and yieldable with respect to slow movements.

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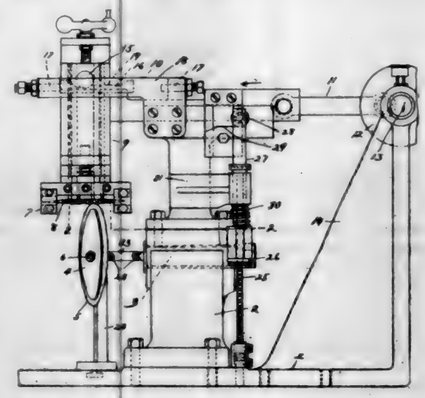
1,567,749. **SAW-FILING MACHINE.** WILLIAM S. PRITCHARD, Detroit, Mich. Filed Aug 27, 1920. Serial No. 406,297. 5 Claims. (Cl. 76—31.)



1. The combination with reciprocating abrasive means, of means for holding a circular saw extending transversely of the path of travel of said abrasive means, said holding means being adjustable to vary the angle between said saw and path of travel of said abrasive means, and means for rotatably indexing said saw including a universal drive connection.

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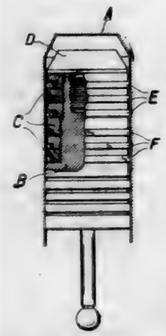
1,567,750. **PISTON FOR HIGH-PRESSURE COMPRESSORS AND THE LIKE.** WILHELM PROFITLICH, Kiel, Germany, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Filed Aug. 22, 1924. Serial No. 733,633. 2 Claims. (Cl. 74—108.)




1. In a piston for high-pressure compressors or the like, a divided elastic piston ring, and a plurality of spaced, undivided piston rings in advance of said divided ring and forming a labyrinthine packing for protecting the latter.

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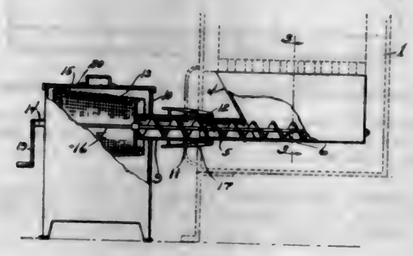
1,567,751. **PAN CLEANER.** STEPHEN J. QUALLS, Casper, Wyo. Filed Apr. 4, 1925. Serial No. 20,797. 1 Claim. (Cl. 126—244.)

A furnace having a pan below the grate thereof, said pan having a pipe extension at the bottom thereof, a spiral screw conveyor having its shaft journaled in the said bottom and in the pipe extension of the pan, a normally closed casing, a reticulated drum therein, a



pipe extension on one side of the casing entering the drum and projecting outwardly from said casing, said pipe extension designed to receive therein the end of the first mentioned pipe, means latching the pipe sections so connected, a shaft passing centrally through the drum and through the pipe extension associated there-



with, supporting means on the shaft for the drum, a spiral worm conveyor on the last mentioned shaft at the portion thereof received in the pipe extension, intergaging means between the ends of both of the mentioned shafts, and an operating handle removably secured to the outer end of the last mentioned shaft.

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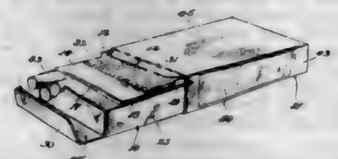
1,567,752. **CONTAINER FOR CIGARETTES AND MATCHES.** LAURENCE J. ROSAR, Scranton, Pa. Filed Nov. 10, 1924. Serial No. 748,961. 6 Claims. (Cl. 206—48.)



6. A container of the class described comprising a casing having side walls and top and bottom walls, a partition extending longitudinally in the casing between the side walls thereof and dividing the casing into upper and lower compartments, a main receptacle slidably fitting within the lower compartment, and an auxiliary receptacle slidably fitting within said upper compartment and connected with the main receptacle and moving into and out of the casing with the main receptacle.

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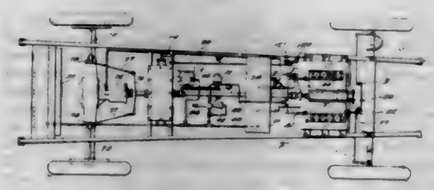
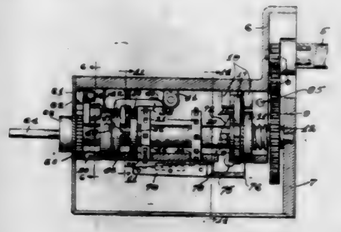
1,567,753. **POWER MECHANISM.** JOSEPH A. RIVORD, Pekin, Ill. Filed Apr. 25, 1925. Serial No. 25,821. 10 Claims. (Cl. 303—10.)



1. In a power mechanism, a storage tank, compressors for supplying air to the tank, an air engine, means for supplying air from the tank to the engine and means for utilizing the exhaust from the engine for cooling the cylinders of the compressors.

1,567,754. **MACHINE FOR MEASURING AND VENDING LIQUIDS.** CLARENCE A. ROSS, Joliet, Ill., assignor of one-half to William F. Horsting, Chicago, Ill. Filed Sept. 10, 1921. Serial No. 499,598. 20 Claims. (Cl. 234—84.)



28. In combination, an operating member movable back and forth and having a variable stroke, strip marking means, a record strip having its leading end substantially in line with said means, primary and secondary strip feeding mechanism operable alternately and together effective to move the strip a constant distance on each cycle of operation of said member, said primary mechanism effective on one stroke only of said member and moving the strip a distance proportionate to the stroke of said member, said secondary mechanism moving the strip the balance of said constant distance, and means operable between the operations of the primary and secondary mechanisms to actuate said marking means.

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1,567,755. **PROCESS FOR OBTAINING ALKALI-METAL THIOSULPHATE FROM SOLUTIONS CONTAINING ALKALI-METAL SULPHIDE.** FRIEDRICH RÜSBERG, Mannheim, Germany, assignor to the Firm Rhenania Verein Chemischer Fabriken A. G., Cologne, Germany. Filed May 26, 1925. Serial No. 33,492. 1 Claim. (Cl. 23—105.)

The process of obtaining sodium thiosulphate from solutions containing sodium sulphide, which consists in treating said solutions, in the presence of sodium sulphite, with a gas containing thirty-two percent by volume of sulphur dioxide.

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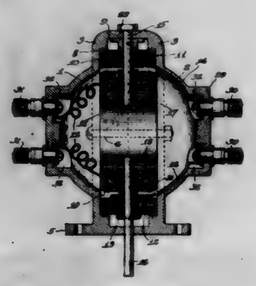
1,567,756. **METHOD AND APPARATUS FOR FLATTENING AND ANNEALING SHEET GLASS.** LOUIS R. SCHMERTZ, Jeannette, Pa., assignor to Window Glass Machine Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Aug. 5, 1924. Serial No. 730,204. 5 Claims. (Cl. 49—4.)

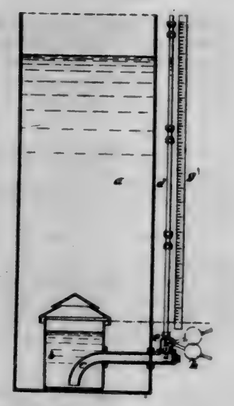
1. In the method of making flat sheet glass, the steps consisting in supplying unflattened glass to a flattening oven, flattening the glass therein, passing it from the oven through a leer to anneal and cool the glass, supplying heating gases to the flattening oven, passing heating gases from the flattening oven through the leer in streams above and below the glass, so regulating the relative rate of flow of the gases above and below the glass as to equalize the rate of cooling from the two faces of the glass therein, and preheating the unflattened glass supplied to the flattening oven to compensate for the increased temperature of the surfaces contacting with the glass in the flattening oven induced by the regulation of the gaseous flow from the flattening oven through the leer.

1,567,757. RADIOTRANSFORMER. KENNETH JAMES SCHNEIDERMAN, Kokomo, Ind., assignor to Kokomo Electric Co., Kokomo, Ind., a Corporation of Indiana. Filed Mar. 23, 1923. Serial No. 627,122. 3 Claims. (Cl. 171—119.)



2. A transformer for radio frequency amplification, as called for in claim 1 wherein said case has opposed flat walls supporting binding posts for said transformer.

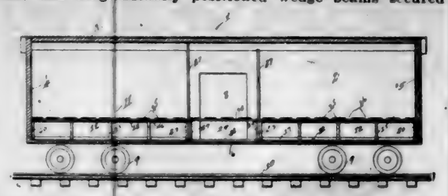
1,567,758. OIL-LEVEL INDICATOR FOR SHIPS' BUNKERS, OIL CONTAINERS, AND THE LIKE. LÜDER SCHRIEVER, Dansig-Langfuhr, Free State Dansig. Filed June 17, 1924. Serial No. 720,642. 6 Claims. (Cl. 73—54.)



1. Means for showing the level of the oil in oil containers, the said means comprising a receptacle containing water and in communication with the bottom of the said container and exposed to the pressure due to the level of the oil therein, an indicating gauge glass placed outside said container, means for connecting the interior of said receptacle and said gauge glass means for automatically closing said connection and means for manually opening said connection, when said level is to be read.

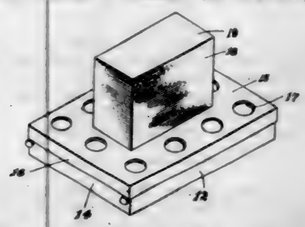
1,567,759. CAR DECK. FRANK W. SHIELDS, Walla Walla, Wash., assignor to Valley Fruit Company, Walla Walla, Wash., a Corporation. Filed Mar. 17, 1925. Serial No. 16,111. 7 Claims. (Cl. 105—373.)

1. In a car deck, a plurality of panels positioned vertically in a car, means to maintain said panels vertically, said panels forming a support for a platform, vertically positioned wedge posts rigidly attached to said panels and secured between the floor and roof of said car, and longitudinally positioned wedge beams secured



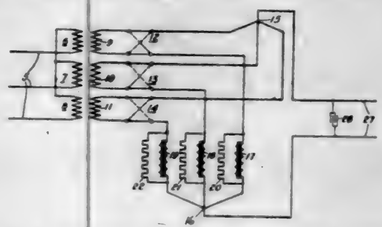
between the panels to force said panels against the ends of the car, said beams forming a support for an additional platform.

1,567,760. WATERING FOUNTAIN FOR CHICKS. MINNIE SITTIG, Danvers, Ill. Filed Apr. 15, 1925. Serial No. 23,226. 4 Claims. (Cl. 119—77.)



1. A device of the class described comprising a pan having end and side walls, a plate pierced with openings forming the cover on said pan, downwardly extending walls on said plate, a housing integral with said plate and projecting above the plate and below the plate into the pan, said housing below the plate having openings therein within the pan, pins on the walls of said plate, and means cooperating with the pins for locking the plate in place on the pan.

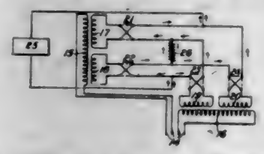
1,567,761. RECTIFYING SYSTEM. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 23, 1919. Serial No. 299,243. 17 Claims. (Cl. 175—363.)



1. In a rectifying system, the combination with a source of polyphase electromotive forces, of means for completely rectifying each of said electromotive forces, whereby a plurality of unidirectional current impulses of mutually displaced phase relation are produced, means connecting corresponding poles of said rectifying devices to one neutral point, similar means connecting the remaining poles of said rectifying devices to an additional neutral point, an inductive reactor inserted in each lead between one of said neutral points and one of said rectifying devices of sufficient magnitude to substantially suppress the flow of upper even harmonics, a substantially non-inductive resistance shunting each of said reactors, a load circuit connected between said neutral points, and a condensive reactor connected across said load circuit.

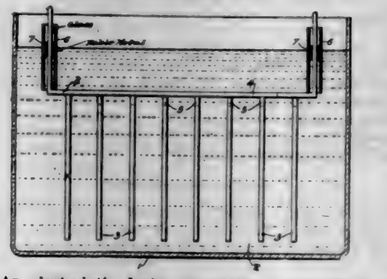


1,567,762. HIGH-VOLTAGE-PRODUCING MEANS. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 8, 1919. Serial No. 316,170. 22 Claims. (Cl. 175—363.)



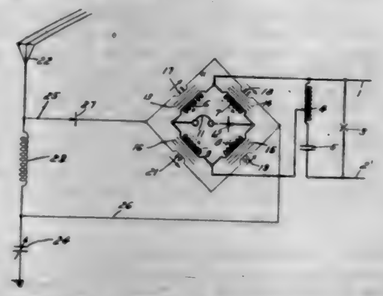
2. In a rectifying system, the combination with a polyphase supply, of rectifying means for each phase of the supply, whereby differing systems of unidirectional current impulses are provided, and means for cumulatively combining said impulses in one portion of an electric circuit and for differentially combining said impulses in another portion of said circuit.

1,567,763. ELECTROLYTIC CONDENSER TERMINAL. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 10, 1919. Serial No. 343,891. 5 Claims. (Cl. 175—315.)



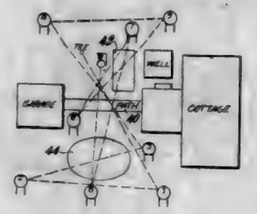
1. An electrolytic device comprising a containing vessel, an electrolyte therein, electrodes in said electrolyte, at least one of said electrodes being of a material acted upon by said electrolyte, a corrodible terminal for said active electrode, said terminal extending from within the electrolyte to outside of the surface thereof, and a noble-metal coating applied to said terminal adjacent the point where it passes through the surface of said electrolyte.

1,567,764. RADIORECEPTION. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1921. Serial No. 463,205. 26 Claims. (Cl. 250—20.)



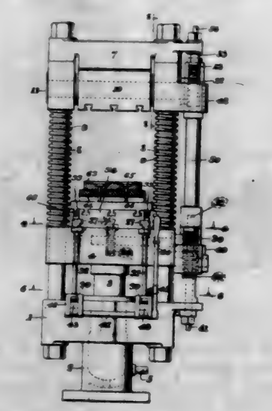
1. A magnetic amplifier of modulated high-frequency currents and oscillations comprising a Wheatstone bridge, one arm of said bridge including a coil with an iron core, said bridge being normally balanced, and means associated with said core for producing saturation effects varying in accordance with said high-frequency currents, whereby said bridge is rendered unbalanced.

1,567,765. GAME AND GAME APPARATUS. CHARLES S. SPAULDING, Newburyport, Mass. Filed Mar. 17, 1925. Serial No. 16,094. 10 Claims. (Cl. 273—87.)



1. A game comprising a series of stations adapted to be placed about a playing surface, each station consisting of a wicket having a lower opening directly above the playing surface and an upper opening at a distance above the playing surface, a projectile, and a club for driving the projectile through the several stations having provision for rolling the projectile through the lower opening or for imparting an initial elevation to the projectile to direct it through the upper opening of any of the wickets.

1,567,766. PLASTIC-MOLDING PRESS. THOMAS F. STACY, Mount Gilead, Ohio, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Filed Apr. 15, 1925. Serial No. 23,263. 6 Claims. (Cl. 18—16.)

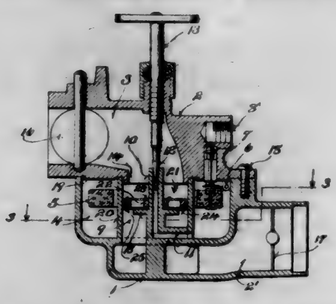


1. A molding press comprising an upper stationary member, a tilting head carried by a shaft mounted in said member, a pinion on said shaft, a rack engaging said pinion, a movable cylinder carrying said rack and hydraulic means for moving said cylinder.

1,567,767. CARBURETOR. GEORGE W. STORCH, Appleton, Wis. Filed May 17, 1924. Serial No. 714,009. 2 Claims. (Cl. 261—64.)

1. In a carburetor the combination of an air passage, a nozzle therein, a ledge formed upon said nozzle, an apertured disk slidably carried by said nozzle and cooperating with said ledge to partially close the apertures in said disk when said disk is close to said ledge, the

marginal edge of said disk being in close proximity to, and out of contact with, the walls of said passage, said disk having a small boss adapted to contact with said



ledge when said disk is in its lowest position, said passage having an inwardly projecting shoulder, and pins carried by said disk and adapted to contact with said shoulder when said disk is in its uppermost position.

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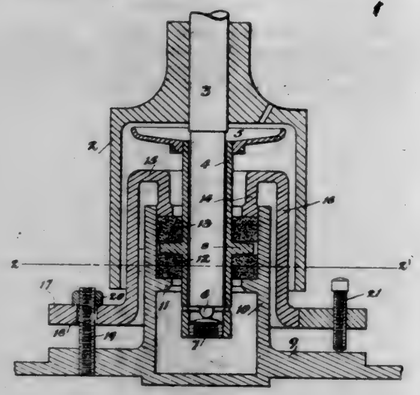
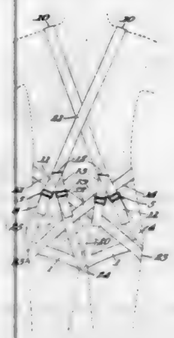
1,567,768. BEARING FOR CENTRIFUGAL EXTRACTORS. WILLIAM HENRY SUMBLING, Toronto, Ontario, Canada. Filed Jan. 15, 1925. Serial No. 2,685. 2 Claims. (Cl. 308—146.)



1. In a centrifugal extractor, in combination a basket spindle; a pulley attached thereto through which the lower end of said spindle passes; a bearing bushing for the lower end of said spindle; a conventional form of flange forming part of said bushing and radially disposed in respect thereto; an elastic cushion located above and below said flange and in contact therewith; a base; a tubular vertical portion housing both of said cushions, and carried by said base, and in which said bearing bushing is located, a horizontal flange forming part of said tubular vertical portion and extending inwardly thereof and against which the lowermost of said elastic cushions rests, said flange having clearance with said bearing bushing, a pressure-controlling device having a horizontal flange located below said pulley, and passing up therefrom and into the upper end of said tubular vertical portion and resting in contact with the upper of said elastic cushions, and means associated with said horizontal flange and said base located to be easily gotten at to permit said pressure device to be manipulated to regulate the pressure against said elastic cushions.

1,567,769. HERNIA TRUSS. GEORGE SWALLOW, Salt Lake City, Utah. Filed Mar. 30, 1925. Serial No. 19,323. 3 Claims. (Cl. 128—96.)



1. In a hernia truss, supporting members having preformed loops embracing the legs of the wearer at the crotch, and extending from said loops diagonally up the back and over the shoulders of the wearer and terminating in free ends, and truss members affixed to the supporting members at the back and passing around the body of the wearer in opposite directions from back to front and over the abdomen and thighs and between the legs from back to front and connected with the free ends of the supporting members.

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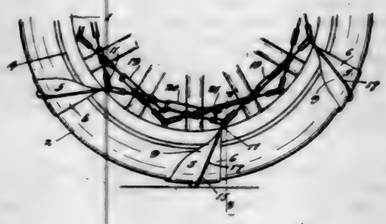
1,567,770. MUD WING. JACOB W. THOMANN, Carlyle, Saskatchewan, Canada. Filed Mar. 12, 1925. Serial No. 15,133. 2 Claims. (Cl. 152—14.)



1. The combination with an automobile wheel, of a mud wing comprising a substantially U-shaped plate straddling the wheel tire and having the tread part thereof comparatively wide and the ends thereof tapered and terminating in hooks positioned adjacent the wheel felloe, the said plate being bent so that it spirals from end to end, means for holding the plate in working position on the tire and a web formed on the tread face of the plate and passing centrally thereof from end to end, the web being comparatively narrow at the tread side of the plate and comparatively wide elsewhere.

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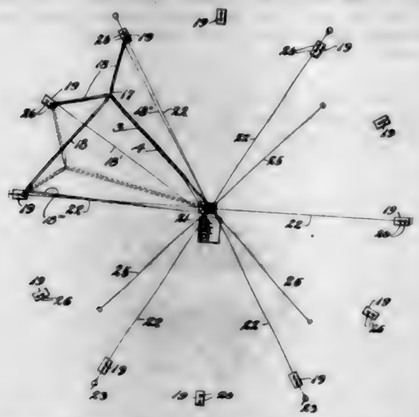
1,567,771. CONCRETE-DISTRIBUTING SYSTEM. CHARLES H. TOMPKINS, Washington, D. C. Filed July 29, 1925. Serial No. 46,852. 16 Claims. (Cl. 214—95.)

1. In a concrete distributing system, the combination of an elevator tower, a rotatable head thereon, a catenary support connected at one end to said head, means connecting the other end to fixed ground supports and



adjustable to shift the catenary support about said tower, and concrete conveying means carried by said catenary support.

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1,567,772. ANTISLIP SURFACE AND METHOD OF MAKING THE SAME. FRANK J. TONE and MINER L. HARTMANN, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed May 23, 1922. Serial No. 563,119. 5 Claims. (Cl. 94—5.)

1. An antislip floor or tread surface having embedded therein abrasive grains, whose surfaces have been provided with a roughening coating before embedding.

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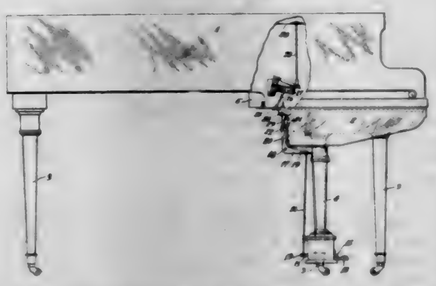
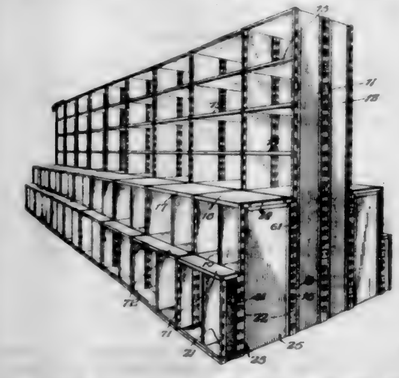
1,567,773. LYRE AND PEDAL MECHANISM FOR GRAND PIANOS. WILLIAM B. TUNSTALL, Worcester, Mass., assignor to Simplex Player Action Company, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 24, 1923. Serial No. 614,600. 6 Claims. (Cl. 84—225.)



5. In a pedal unit for grand pianos, a pair of offset brackets supporting a lyre, a connecting rod joining said brackets, bent levers fulcrumed on said rod, said levers operatively connecting the pedals and the piano devices.

1,567,774. RACK EXTENSION. WALTER N. VANCE, Chicago Heights, Ill., assignor to Durand Steel Locker Company, Chicago, Ill., a Corporation of Illinois. Filed June 5, 1919. Serial No. 301,986. 18 Claims. (Cl. 211—27.)



1. A rack, comprising a main shelf structure including supporting uprights of substantial height, and a lower counter and auxiliary shelf section arrangeable in front of said main structure and bound thereto, said section being a complete separate unit and forming a counter-extension of said main structure.

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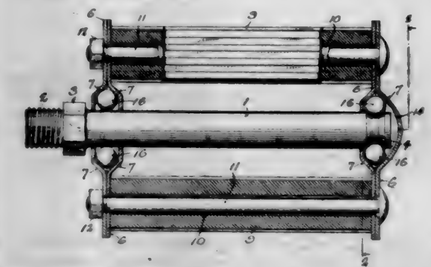
1,567,775. PEDAL. EDWARD R. WAGNER, Milwaukee, Wis., assignor to E. R. Wagner Manufacturing Company, North Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 9, 1923. Serial No. 630,741. 9 Claims. (Cl. 208—70.)



1. A pedal comprising end members each composed of two plates assembled face to face and forming an annular ball race, treads arranged parallel with and on opposite sides of the pedal axis between the end members, and tie rods passing through the end members and treads and binding the parts of the pedal together.

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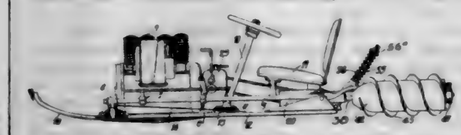
1,567,776. AUTOTOBOGGAN. GEORGE ALEXANDER WALKER, Arlington, N. J. Filed Aug. 13, 1923. Serial No. 657,082. 3 Claims. (Cl. 180—3.)



1. In a motor driven sleigh, a pair of runners, a chassis mounted on said runners, a motor, gearing operable from the motor, a gear casing, a driven shaft, gear-

ing on the driven shaft, a pair of longitudinal shafts and propellers mounted thereon, gearing on the longitudinal shaft meshing with the gearing on the driven shaft, a transverse connecting spindle between the ends of the parallel shafts and a longitudinal, flexible element between the propellers connecting the gear casing with the said spindle.

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1,567,777. MUD GUARD FOR MOTOR VEHICLES. JOSEPH JOHN WAMPACH, Berlin-Charlottenburg, Germany. Filed Feb. 27, 1925. Serial No. 12,007. 1 Claim. (Cl. 280—153.)

Mud guard for motor vehicles comprising a vertical flange on the guard, a crescent shaped attachment adapted to be secured to said flange, headed bolts extending through elongated registering slots in said attachment and said flange, coiled springs encircling said bolts so as to hold said attachment applied against said flange, a hinge bolt mounted on said attachment, spring-controlled flaps hinged to said bolt and a roller on the inside of each flap and adapted to be engaged by said wheel.

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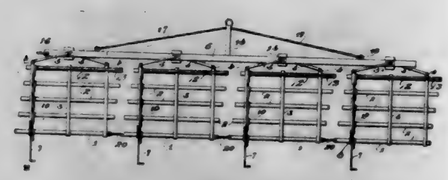
1,567,778. HARROW. CHARLES E. WEBBER, Pontiac, Ill. Filed July 1, 1925. Serial No. 40,901. 8 Claims. (Cl. 55—84.)



1. A harrow comprising a plurality of toothed sections, a draft bar, said sections being pivotally connected to said draft bar at intervals throughout its length, and draft connections on said bar, one at its intermediate portion and at substantially right angles to the same, and the other at one end thereof.

3. A harrow comprising a plurality of toothed sections, a draft bar, said sections being pivotally connected to such draft bar at intervals throughout its length, draft connections on said bar, one at its intermediate portion and at substantially right angles to the same, and the other at one end thereof and in substantial longitudinal alignment therewith, and means for detachably interconnecting the rearward portions of said sections, at times.

6. A harrow comprising a plurality of sections, each of said sections consisting of a plurality of transversely disposed adjustable and inter-connected tooth carrying bars, longitudinally disposed bars interconnecting said transverse tooth carrying bars, bearings on certain of the ends of said longitudinal bars, connecting bars pivotally received within said bearings having their adjacent ends pivotally connected to the upper and lower sides respectively of said draft bar, a longitudinally disposed bearing strip carried upon certain of the tooth carrying bars of each of said sections having one end thereof curved downwardly and adapted to pass under the lower side of said draft bar, at times, and draft connections on said bar, one at its intermediate portion and at substantially right angles to the same, and the other at one end thereof.

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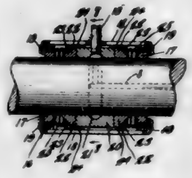
1,567,779. AIR SYSTEM FOR TIRES. ISAAC SIDNEY WELLS, Laurel, Miss. Filed Apr. 25, 1923. Serial No. 634,639. 1 Claim. (Cl. 286—1.)



In a device of the character described, an axle having a bore, one end of the bore extending laterally and terminating at the surface of the axle, a collar having a groove, said groove being disposed adjacent to the lateral extension of the bore to admit fluid therefrom, a pipe extending through the collar and communicating with the groove to admit fluid therefrom, a frame including bars having right angled extremities, end plates to which the right angled extremities are secured, rings having inclined outer surfaces and engaging the collar, rings having inclined edges engaging the first mentioned rings, and resilient members arranged between the end plates and last mentioned rings to urge the ring members towards the collar.

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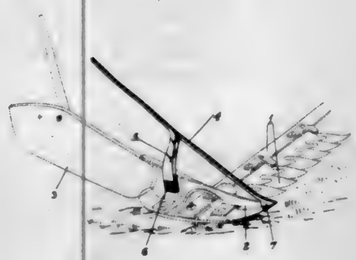
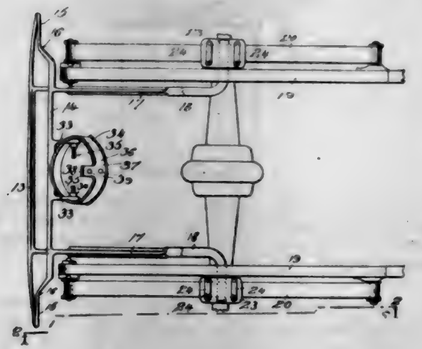
1,567,780. MOWER-SICKLE-BAR ATTACHMENT. EDWARD J. ALLEN and GEORGE A. ALLEN, Merced, Calif. Filed Jan. 22, 1923. Serial No. 614,103. 1 Claim. (Cl. 56—318.)



A one-piece auxiliary divider attachment for mowers of that type having a pointed dividing shoe comprising a rounded and smooth surfaced socket adapted to snugly fit over the shoe point, a rod projecting rearwardly and upwardly therefrom and making a smooth junction with the socket, and a bar projecting downwardly from the under side of the rod and making a smooth junction therewith, the lower end of said bar being adapted to contact against the outer face of the shoe and to be rigidly secured thereto.



1,567,781. COMBINED TIRE CARRIER, BUFFER, AND SHOCK ABSORBER. WILLIAM BARBER, New York, N. Y. Filed Mar. 22, 1921. Serial No. 454,397. 88 Claims. (Cl. 293—55.)



1. A combined bumper and shock absorbing attachment for automobiles, which includes a flexible framework having means to attach the same respectively to the car axle and to the supporting frame.

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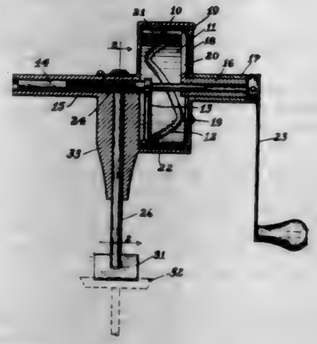
1,567,782. VALVE GRINDER. HARRY A. BERN, Chicago, Ill. Filed Apr. 19, 1921. Serial No. 462,512. 7 Claims. (Cl. 74—14.)



1. In a mechanical movement, the combination of a reciprocating shaft, a driven spindle, a driving sleeve, a first arm projecting from said sleeve, a second arm projecting from said shaft and engaged by said first arm, a cam engaging said second arm to reciprocate said shaft upon rotation thereof, and continuous mesh gearing connecting said shaft and spindle whereby rotation of said shaft produces continuous motion of said spindle relatively to said shaft.

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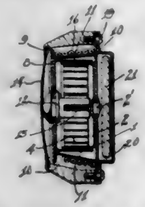
1,567,783. KEY-CHAIN REEL. WILLIAM BEST, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 20,508. 3 Claims. (Cl. 242—98.)

1. A key chain reel comprising a cylindrical bearing member, a spiral spring disposed within said bearing member, a barrel mounted for revolution on said bearing member, said barrel having a certain stub shaft slotted to receive one end of said spring, a chain wound



around said barrel, and a casing enclosing said barrel and having an opening for permitting the movement of the chain.

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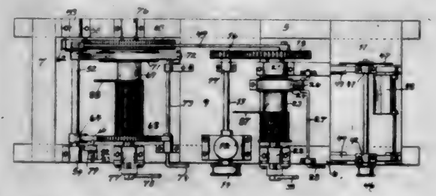
1,567,784. LAND-CLEARING MACHINE. CHARLES M. BONNEY, Hoquiam, Wash. Filed Oct. 2, 1922, Serial No. 591,886. Renewed June 2, 1925. 4 Claims. (Cl. 254—185.)



1. In a device of the character described, the combination with a suitable support, of a motor mounted on said support, a gear adapted to be rotated by said motor, a drum mounted adjacent said motor, a gear mounted in axial alignment with said drum and adapted to mesh with said first mentioned gear, a clutch formed between said second mentioned gear and said drum, a low speed power drum remotely located from said motor, a ratchet formed on one end of said drum, a ratchet formed at the opposite end of said drum and adapted to be connected thereto through the medium of a clutch, and reciprocating means operated by said motor and connected to the ratchets for the purpose of rotating said low speed power drum.

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1,567,785. PROCESS FOR THE ACETYLENATION OF FATTY AND OTHER SUBSTANCES. LOUIS G. BOURGOIN, Montreal, Quebec, Canada. Filed Oct. 23, 1924. Serial No. 745,494. 11 Claims. (Cl. 260—2.)

1. The process for the acetylenation of organic substances, which consists in the treatment of substances, susceptible of combination with acetylene, together with calcium carbide, in such a way that the carbide will be decomposed by water or steam and generate acetylene which will combine with the substances to form a new product.

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1,567,786. FOLDING COT. EDWIN G. BRANDT, Springfield, Mo. Filed Jan. 4, 1923. Serial No. 610,667. 9 Claims. (Cl. 5—112.)

3. In a folding cot, a brace rail for the legs of the cot including independent sections, and a joint for detachably connecting the inner ends of the sections together including an elongated body substantially U-shaped in cross section for embracing one end of one section and for extending over the adjacent end of the other section, means connecting the body to the first mentioned section, ears carried by the body at a point intermediate its end, a pivot pin carried by said ears, an open hinge barrel carried by the other section for detachably engag-

ing the pivot pin, and a locking pin detachably carried by an end of the body for engaging under the last mentioned section.

8. In a bed including a body and legs carried by the body, each leg including a stationary section and a hinged section, and means for holding the hinged section in parallel relation to the stationary section or at right angles thereto and laterally of the sides of the body of the bed for engaging the sides of an automobile, whereby the bed can be readily associated with the automobile for sleeping purposes.

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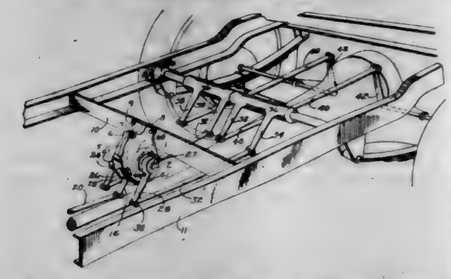
1,567,787. BRAKE EQUALIZER. FRED C. BROWN, Evergreen Park, Ill. Filed Nov. 14, 1924. Serial No. 749,994. 2 Claims. (Cl. 188—204.)



2. A brake equalizer comprising a housing consisting of a pair of sections having transversely curved outer walls and bearings, gears arranged in said housing and contacting with said transversely curved outer walls, said gears being provided with spindles extending through said bearings, a single pair of pinions in said housing and engaged with said curved walls, a single arm connected to said pair of pinions said housing being provided with an elongated slot receiving said arm, a longitudinally curved plate carried by said arm and extending over said bolt, and a leaf spring carried by said arm and having its terminal portion engaged with said longitudinal curved plate to hold the same lightly in contact with the adjacent portion of said housing.

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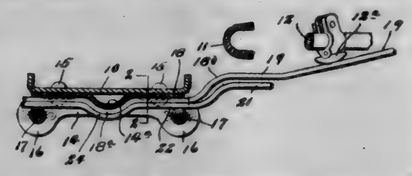
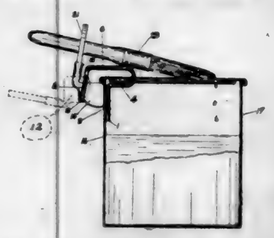
1,567,788. SAFETY SUPPORT. FREDERIC T. DE LONG, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed July 19, 1924. Serial No. 726,976. 10 Claims. (Cl. 188—213.)



1. A safety support for brake beams comprising a resilient track member, and an auxiliary member adapted to cooperate with and reinforce said resilient member.

1,567,789. BRUSH SUPPORT. FREDERICH G. DIMER, Johnson City, N. Y. Filed July 14, 1925. Serial No. 43,545. 13 Claims. (Cl. 24—81.)



1. A brush holder comprising a supporting element, means pivoted to said support for clamping the same to a vessel, said clamping means carrying removable brush gripping means.

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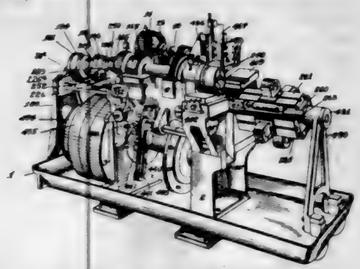
1,567,790. AUTOMATIC SINGLE-SPINDLE OR TURRET-LATHE MACHINE. ALFRED E. DRISSNER, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 6, 1921. Serial No. 520,287. 69 Claims. (Cl. 29—41.)



1. In a metal working machine, the combination of a drive shaft, a rotatable work holder, a tool carrier, means for rotating the work holder at different speeds and comprising a pair of shafts, one thereof rotatable and the other fixed against rotation, sets of variable speed gears arried by said pair of shafts and means for connecting the drive shaft with any of said sets of gears, and including a rotatable gear located between said drive shaft and said sets of gears and shiftable on an axis parallel with said fixed shaft into mesh with the gears thereon.

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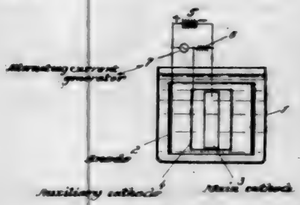
1,567,791. ELECTROLYTIC PRODUCTION OF METALS. EMIL DUHME, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, a Corporation of Germany. Filed Nov. 1, 1924. Serial No. 747,366. 4 Claims. (Cl. 204—1.)




1. A process for electrolytically depositing metals substantially free from impurities on a cathode, consisting in maintaining an auxiliary cathode nearer the anode than the main cathode on which latter the desired pure metal is to be deposited and in supplying a suitable current to said auxiliary cathode and said anode, causing a comparatively small but desired metal deposit on the auxiliary cathode, whereby, due to larger concentration of the impurities near the anode, they are deposited on the auxiliary cathode to a greater extent than on the more remote main cathode.



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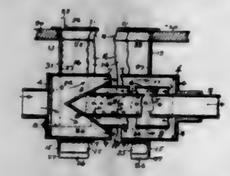
1,567,792. COMBINED HEATER AND MUFFLER. GEORGE H. EARLE, Valparaiso, Ind. Filed Feb. 1, 1921. Serial No. 441,704. 5 Claims. (Cl. 257—16.)



2. In heaters, a suitable casing, a muffling element within the casing, a heat radiating surface forming the exterior of the muffler, means for variably directing air through the casing to engage the exterior of the heating surface, and means for selectively delivering the heated air as desired, whereby a heat producing stream of exhaust gases is brought into contact with the interior of the heating surface and the muffler.

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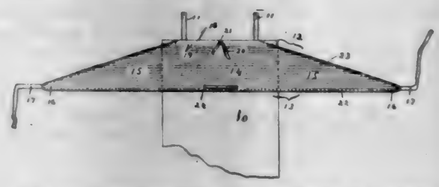
1,567,793. LADY'S UNDERGARMENT. ELIZABETH B. FERRIS, Utica, N. Y. Filed Dec. 13, 1922. Serial No. 606,747. 1 Claim. (Cl. 2—112.)



In a lady's undergarment the combination of a knitted vest or union suit and a long binder formed of a single flat strip of material, appreciably and uniformly elastic lengthwise, and of greater elasticity laterally, said strip having its upper edge intermediate its ends attached to the front of the vest or union suit above the bust and being there formed with parallel top and bottom edges and of sufficient width to reach below the bust, the ends of said strip decreasing in width and adapted to reach about the body and having the extremities of said strip adjustably connected at the front, said flat binder being sufficiently non-elastic to support the body but being sufficiently elastic to shape itself somewhat to the body.

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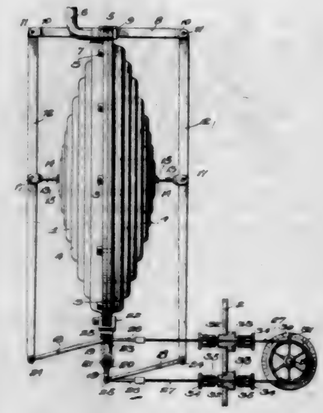
1,567,794. HYDROGEN-GAS-PRESSURE GAUGE. THOMAS M. FINLEY, St. Louis, Mo. Filed Mar. 22, 1919. Serial No. 284,354. 14 Claims. (Cl. 73—10.)

1. The combination with a flying machine gas bag, of a hollow pressure responsive member located within the gas bag and subjected exteriorly to the pressure of the gas within said bag, means for transmitting to the interior of the pressure responsive member the pressure of the atmosphere on the exterior of the gas bag, said responsive member being movable under variations in the atmospheric pressure due to change in elevation of the gas bag, and means for transmitting motion from the said pressure responsive member to a point exterior of the gas bag.

6. A gas pressure gauge including a hollow compressible body comprising substantially concavo-convex discs or members, levers fulcrumed at opposite sides of the body at points fixed with repsect to said body and



connected centrally with the discs or members and actuated by the same, a pressure indicating device, and means for transmitting motion from the said levers to the said device for operating the latter.

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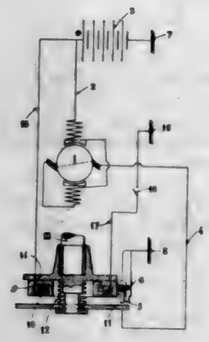
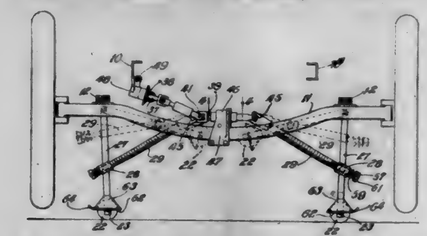
1,567,795. MOTOR-CONTROLLING SYSTEM. GUIDO FORNACA, Turin, Italy. Filed Aug. 8, 1922. Serial No. 580,403. 3 Claims. (Cl. 172—239.)



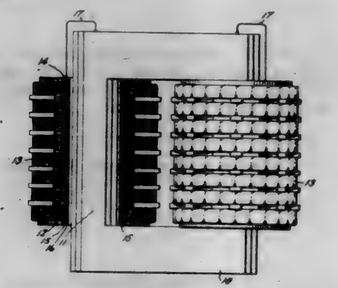
1. In a starting system for automobiles, a motor having a shaft, commutator and brushes and a bearing for said shaft, said bearing being formed with an outwardly projecting member in alignment with said shaft, an electromagnet mounted on said bearing and surrounding said projecting member, an armature for said electromagnet consisting of a circular metal disc loosely mounted on said projecting member, a spring interposed between said bearing and disc, a source of power having one side grounded and the other side connected to one of said brushes and a flexible conductor connecting another of said brushes with said disc, and a yielding grounded contact adapted to be engaged by said disc when the same is attracted by said electromagnet.

1,567,796. AUTOMOBILE JACK. LAWRENCE R. FOSTER, Rock Island, Ill. Filed July 20, 1922. Serial No. 576,237. 6 Claims. (Cl. 254—86.)



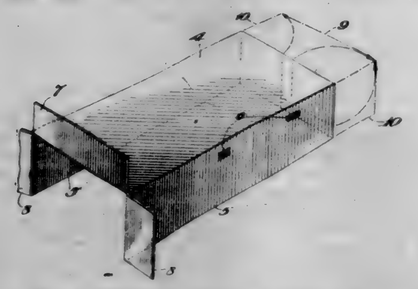
1. In a motor vehicle, the combination of a chassis, jacks pivotally connected to the chassis at points adjacent to each side thereof, each jack including a toggle arm mounted to swing transversely to the chassis, and adapted to be driven by the motor of the vehicle for swinging said arms to raise and lower said chassis.

1,567,797. ELECTRICAL INDUCTION APPARATUS. JOHN J. FRANK, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 5, 1922. Serial No. 549,940. 3 Claims. (Cl. 175—356.)



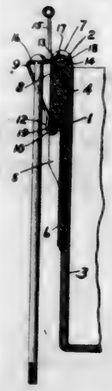
1. In electrical induction apparatus, a core formed with projecting portions, windings surrounding the core, insulation interposed between the innermost turns of said windings and the core, and a conducting member between the insulation and the projecting portions of the core, said conducting member being separated from said projecting corners.

1,567,798. DRAFT-INDUCING CONDUIT FOR FURNACES. ROBERT M. FRY, Pennfield, Pa. Filed Apr. 29, 1924. Serial No. 709,740. 4 Claims. (Cl. 110—71.)



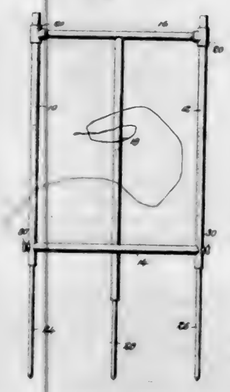
1. In combination a furnace including its complemental ash pit, of a draft inducing conduit of sheet metal inserted through the door opening of said ash pit and extended beneath the furnace fire box, the conduit being provided with air vents in its side walls and having wall extensions at its rear capable of being bent to form a partial closure or a continuation of the conduit as described.

1,567,799. HANDLE FOR STORAGE BATTERIES. CHARLES D. GALLOWAY, Philadelphia, Pa. Filed June 14, 1923, Serial No. 645,254. Renewed Oct. 22, 1925. 6 Claims. (Cl. 16—114.)



4. In a storage battery container the combination of two cleats whereof one is provided at the top of the container wall and whereof the other is formed by a recess provided in the face of the container wall, and a metallic spring knee having a clip for engagement with one of said cleats, and a claw adapted to engage the other of said cleats and forked to provide a recess for a hold-down clamp, substantially as described.

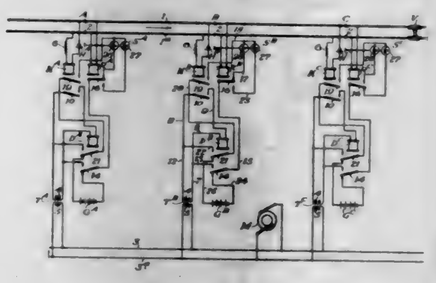
1,567,800. ADJUSTABLE SUPPORT. HERBERT C. GETMAN, Oneonta, N. Y. Filed July 10, 1925. Serial No. 42,783. 1 Claim. (Cl. 304—6.)



In an adjustable support, a pair of spaced side members each including a T-fitting near its upper end, a cross member rigidly connecting said side members near their lower ends, a second cross member having threaded engagement at its ends with said T-fittings respectively whereby it may be rotated, and a leg rigidly affixed to said second cross member.

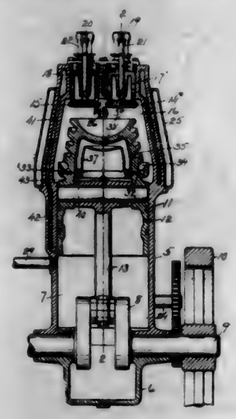


1,567,801. RAILWAY SIGNALING APPARATUS. ROBERT M. GILSON, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed June 29, 1925. Serial No. 40,255. 7 Claims. (Cl. 246—41.)



4. In combination, a stretch of railway track, a signal for said stretch, a main source of current, an auxiliary source of current, and means responsive to current from said main source and effective only when a train is approaching said signal for selectively connecting said signal with said main source or with said auxiliary source.

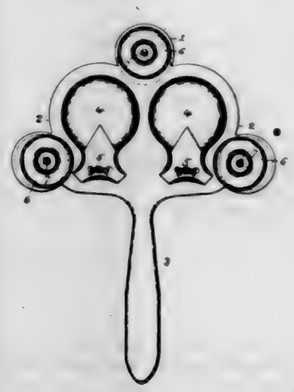
1,567,802. INTERNAL-COMBUSTION ENGINE. GEORGE WILLIAM GREENLAND, Hartford, Conn. Filed Aug. 8, 1921. Serial No. 490,480. 12 Claims. (Cl. 123—25.)



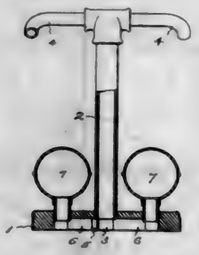
1. An internal combustion engine comprising a cylinder, means for supplying a combustible charge thereto, means for igniting said charge, a piston located within the cylinder and operatively connected with a driven member, and means for collecting water to close an air inlet port and for thereby introducing said water in the form of a spray within the combustion chamber of the cylinder during operation of said piston.

1,567,803. COMBINED MUSICAL CASTANET AND JINGLE. WILLIAM F. LUDWIG, Chicago, Ill., assignor to Ludwig & Ludwig, Inc., Chicago, Ill., a Corporation of Illinois. Filed Mar. 27, 1924. Serial No. 702,288. 3 Claims. (Cl. 46—46.)

1. In a musical instrument, the combination of a handled base having a cruciform shape, clappers or castanet members secured to the central portion of said base and at opposite sides of the same, and jingle members secured to the outer or side portions of said base and at opposite sides thereof.



1,567,804. WASHING MACHINE. JOHN H. MCCLELLAND, Forestville, Conn. Filed Apr. 17, 1924. Serial No. 707,272. 1 Claim. (Cl. 68—30.)

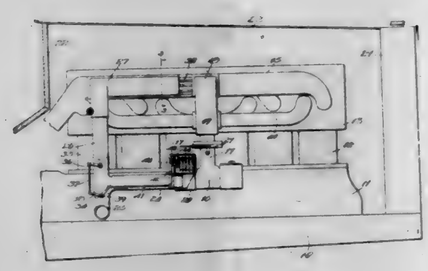


A washing machine comprising a heavy base having in its lower face a central circular recess, uniformly tapering intake channels in the bottom face of said base, said channels curving from the periphery to the central recess with which they communicate with restricted orifices, and channels in the bottom face of the base leading transversely outward from the central recess, equalising chambers above the base and communicating with the outer ends of the latter channels, an upright tube communicating with the channel recess, and nozzles extending oppositely outward and curved downward from the top of said tube.

1,567,805. AIR-TEMPERATURE CONTROL FOR CARBURETORS. FRANK C. MOCK, Chicago, Ill., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 5, 1920. Serial No. 371,436. 2 Claims. (Cl. 123—122.)

1. In combination with an exhaust manifold, an air heater comprising a conduit having connection with the exhaust manifold, a wall between said conduit and the

manifold, said wall having corrugations projecting into the exhaust manifold and an extension on said con-



duit terminating short of one end of said wall to permit the entrance of air into said conduit in contact with said wall.

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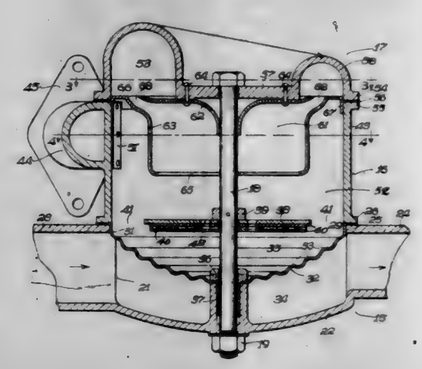
1,567,806. FUEL SEPARATOR AND VAPORIZER. FRANK C. MOCK, Chicago, Ill., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed June 20, 1921. Serial No. 478,929. 15 Claims. (Cl. 48—180.)



1. In combination, a circular separating chamber adapted to circulate a gas for an internal combustion engine, a substantially tangential inlet passageway entering said chamber, a substantially tangential outlet passageway leading from said chamber, said passageways producing a whirling vortex of the gas in said chamber to effect the separating function, and means for preventing the discharge through said outlet passageway of the constituents separated from said gas.

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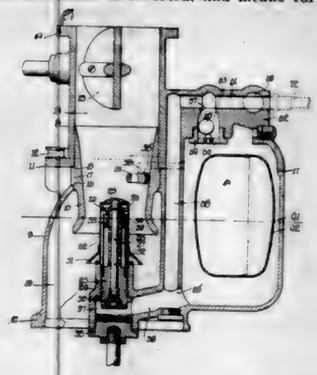
1,567,807. CARBURETOR. FRANK C. MOCK, Chicago, Ill., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Aug 15, 1921. Serial No. 492,263. 10 Claims. (Cl 261—70.)

1. In a carburetor, the combination of a carbureting chamber, a float chamber, means for discharging fuel from said float chamber into said carbureting chamber when said carburetor is inverted, and means for venting



air into said float chamber when the latter is upright or inverted.

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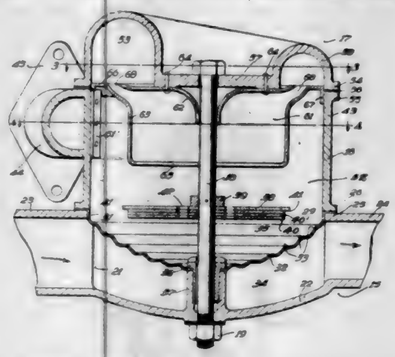
1,567,808. FUEL SEPARATOR AND VAPORIZER. FRANK C. MOCK and MILTON E. CHANDLER, Chicago, Ill., assignors to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 24, 1921. Serial No. 509,809. 8 Claims. (Cl. 48—180.)



1. A fuel separator and vaporizer comprising a chamber, a substantially tangentially inlet passageway opening into said chamber and imparting a whirling motion to the mixture therein, an outlet passageway leading from said chamber above said inlet passageway, a fuel vaporizing surface in the end of said chamber below said inlet passageway, means for heating said surface, and a baffle member comprising heat insulating material interposed between the whirling volume of mixture and said vaporizing surface, said baffle permitting the precipitation of fuel particles to said vaporizing surface along the walls of said chamber, the separated fuel collecting on said vaporizing surface being trapped against return to the mixture stream except by vaporization.

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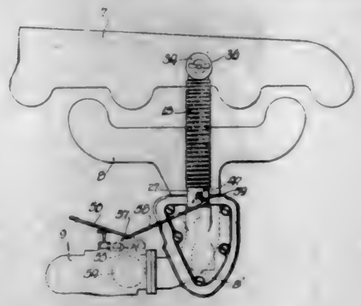
1,567,809. HEATING ATTACHMENT FOR INTAKE MANIFOLDS. FRANK C. MOCK and MILTON E CHANDLER, Chicago, Ill., assignors to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 27, 1921. Serial No. 524,945. 1 Claim. (Cl. 257—241.)

In combination, an intake manifold having an approximately right angled bend therein and being tapered at one side of said bend, a frame enclosing said bend, said



frame having an opening at one end receiving said tapered end of the manifold and having an opening at its other end fitting the manifold adjacent to the other end of said bend, said frame between said openings being spaced from said manifold whereby to engage said mani-



fold only at said openings and whereby it may be slid along the manifold to securely and intimately fit at the said tapered end, said frame forming the outer wall of a heating chamber around said manifold, and an exhaust inlet and outlet for said chamber.

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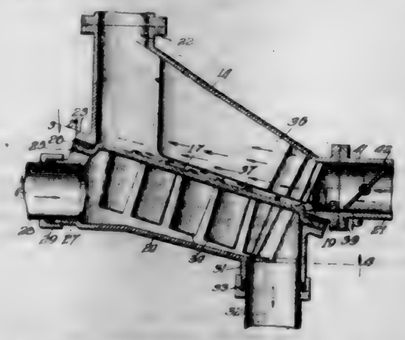
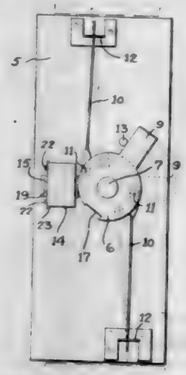
1,567,810. FUEL VAPORIZER. FRANK C. MOCK, Chicago, Ill., assignor to Stromberg Motor Devices Co., a Corporation of Illinois. Filed Oct. 21, 1922. Serial No. 595,899. 10 Claims. (Cl. 123—122.)



1. In combination, a fuel vaporizing chamber, an inlet mixture conduit entering said chamber, said chamber being enlarged laterally to each side of the point of entrance of said conduit, a baffle encountered by the mixture stream entering through said conduit and operable to divide the mixture stream and spread the same laterally to each side from said inlet conduit, thereby changing the direction of flow of said mixture stream and reducing its velocity in the expanded area of said vaporizing chamber, a vaporizing plate positioned to receive the fuel particles precipitated by said reduction in velocity and change of direction, an outlet removed in velocity and change of direction, an outlet removed from said vaporizing plate and adapted to be connected with the intake manifold, a shoulder interposed between said mixture outlet and said vaporizing surface at an angle to the latter for preventing fuel particles from being swept out through said outlet, an exhaust casing enclosing the reverse side of said vaporizing plate, heat absorbing ribs projecting from said vaporizing plate into said exhaust casing, and conduit means for circulating exhaust gases through said exhaust casing.



1,567,811. DOORLOCK. THOMAS F. MURPHY, New York, N. Y. Filed Dec. 13, 1923. Serial No. 680,348. 5 Claims. (Cl. 70—74.)



1. In combination with a door, locking means therefor including a rotatable part and a manually operable handle therefor at the outer side of the door, a spring projected bolt mounted upon the door in the plane of said rotatable part, said part having a notch in its periphery to receive one end of said bolt, key operated means on the door for retracting said bolt to disengage the same from said notch, and manually releasable means adapted to coact with the bolt and hold the same when it has been retracted by said key operated means.

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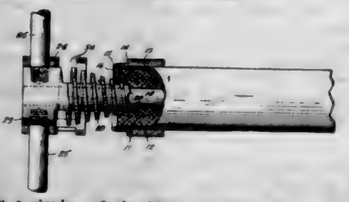
1,567,812. CUTTER FOR REMOVING CABLE INSULATIONS. DEAN C. OBER and ALBERT R. ASKUE, East Cleveland, Ohio. Filed Nov. 3, 1923. Serial No. 672,683. 5 Claims. (Cl. 77—72.)



1. In a device of the kind described the combination with a shouldered guide sleeve adapted to engage the exterior surface of a cable, of a centrally bored spiral cutter and a cage in which said cutter is arranged and provided with rotative means, said cage being adapted to fit upon the guide sleeve thereby to locate said cutter centrally with respect to the exterior surface of said cable.

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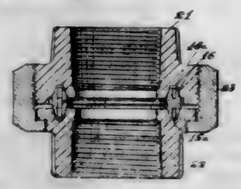
1,567,813. PIPE FITTING. OLAF E. OLESON, Chicago, Ill. Filed Aug. 30, 1920. Serial No. 406,884. 4 Claims. (Cl. 285—120.)



4. As a means for packing a joint between pipe connections having tapered end grooves and devices for drawing the connections together, a packing ring having

tapered ends, each of the same angle as the angle of the tapered groove to be engaged thereby, said packing ring having grooves in its ends and axial holes connecting the grooves with the inner surface of the ring.

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1,567,814. HEAT EXCHANGER. DAVID D. PEEBLES, Eureka, Calif., assignor of one-half to George T. Tooby, Eureka, Calif. Filed June 8, 1921. Serial No. 475,933. 4 Claims. (Cl. 257—224.)

2. In a heater, a shell composed of two sections, the inner end of one section being contracted and the inner end of the other section being flared whereby the inner ends of the sections may have telescoping connection to provide a slip joint to permit of expansion and contraction, a head secured to the outer end of each shell section, an exterior shell having connection with the aforesaid shell sections, means for introducing and circulating a heating medium through the inner shell sections, a plurality of chambers formed in the respective heads and a plurality of tubes rigidly secured at their ends in said heads and forming a communication between the chambers in the respective heads.

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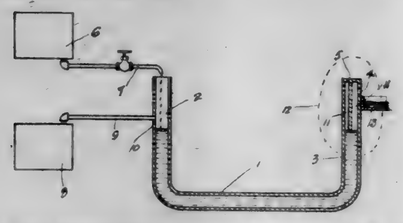
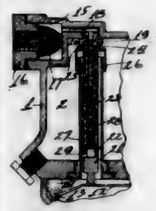
1,567,815. SAFETY FEED FOR OIL BURNERS. WILFRED FRANCIS RAVENOR, Vancouver, British Columbia, Canada. Filed June 5, 1924. Serial No. 717,991. 5 Claims. (Cl. 158—36.)



1. The combination with an oil burner, of a feed pipe having its delivery end terminating in a straight vertical portion exterior of the burner proper closed at its upper end and provided with an orifice adjacent the closed end, said pipe being adapted to contain oil a portion of which extends as a vertical column into said delivery end the head of the column being normally below and spaced from the said orifice and forming with the walls and closed end of the said delivery end a chamber exterior of the burner wherein the column expands under a heat zone influence to spill over at the orifice into the burner proper.

1,567,816. FLEXIBLE FUEL-SUPPLY VALVE FOR CARBURETORS. CHARLES L. RAYFIELD, Chicago, Ill., assignor to Beneke Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 29, 1920. Serial No. 377,514. 9 Claims. (Cl. 251—150.)



5. A valve of the class described comprising a sleeve, a recessed member loosely mounted therein, a passage leading from the recess in the member to the interior of the sleeve, a coiled spring in the recess in the member, a needle valve secured on the outer end of the spring, and a shield secured to the needle valve and loosely engaged over the end of the sleeve.

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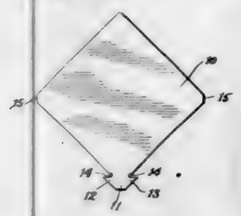
1,567,817. SHINGLE. JOHN A. SCHARWATH, Elizabeth, N. J. Filed Feb. 8, 1924. Serial No. 691,369. 2 Claims. (Cl. 108—8.)



1. A substantially flat rectangular flexible shingle formed with an integral extension at one corner thereof, said extension having lateral projections extending angularly from the adjacent shingle edges, adapted to interlock with edges of adjacent shingles, and curved marginal recesses cut at the peak of the angle for receiving the edges of said adjacent shingles.

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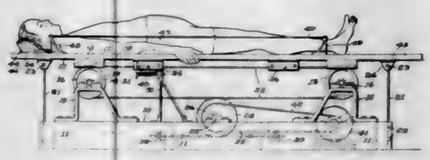
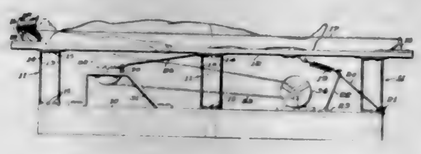
1,567,818. VIBRATING EXERCISE TABLE. ALBERT H. STEBBINS, Los Angeles, Calif. Filed July 23, 1924. Serial No. 727,712. 14 Claims. (Cl. 128—33.)



1. A vibratory exercise machine, comprising in combination, a table mounted for movement back and forth in the direction of its length and constructed to support a person in a lying position, transversely extending shafts rotatably supported below the table, wheels mounted upon and rigidly secured to the shafts and adapted to support the table, wheel-engaging plates rigidly secured to the table to rest upon the wheels, and means for rocking the shafts and wheels through a slight angle to cause the engagement of the wheels with said plates to move the table back and forth with vibratory effect.



1,567,819. VIBRATORY EXERCISE TABLE. ALBERT H. STEBBINS, Los Angeles, Calif. Filed July 23, 1924. Serial No. 727,713. 3 Claims. (Cl. 128—33.)



3. A vibratory exercise machine, comprising in combination, a supporting frame having upwardly extending semi-rigid posts, a table constructed to support a person in a lying position and secured to the upper ends of said posts and supported thereby for a limited back and forth vibratory movement, means for vibrating the table more energetically in one direction than the other to stimulate the flow of blood lengthwise of the person being treated, including a flexible connection for pulling the table in one direction and adapted to bend or bow under lengthwise pressure, an eccentric for actuating the flexible connection to alternately pull the table in the direction of its length and then release it, and a spring for pulling the table in the opposite direction.

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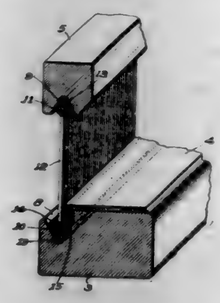
1,567,820. REED HOLDER FOR LOOMS. WALLACE I. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed June 21, 1924. Serial No. 721,407. 1 Claim. (Cl. 139—188.)



In a loom, the combination of the lay beam provided with a reed retaining groove formed in the wood of the lay and having a V-shaped configuration in cross section to receive the lower reed bar with a wedging action, a metallic liner comprising a strip of metal bent about its longitudinal axis to form a V-shaped trough adapted to fit the V-shaped groove to protect its sloping walls from the chafing action of the reed bar within the groove, and securing means extending thru the inclined side walls of the metal strip into the lay to secure the side walls of the protecting strip firmly against the inclined walls of the groove.

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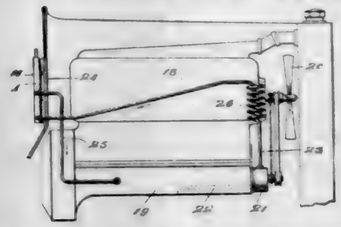
1,567,821. LIQUID-GRAVITY INDICATOR. ERNEST J. SWEETLAND, Montclair, N. J. Filed Nov. 19, 1920. Serial No. 425,041. 6 Claims. (Cl. 1—5.)

6. An instrument for determining the specific gravity of a liquid including a casing having a window in its upper portion and adapted to receive the liquid in its lower portion, a combined hydrometer and thermometer within said casing having a temperature scale and an indicating mark observable through said opening, a correction temperature scale, a movable member having an indicating mark cooperating with said correction temperature scale and a specific gravity indicating scale, and



a movable member cooperating with the indicating mark on said combined hydrometer and thermometer and with the specific gravity indicating scale on said first-named movable member.

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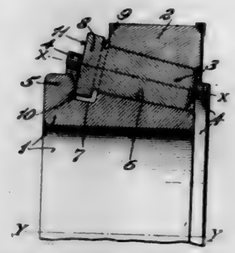
1,567,822. ROLLER BEARING. HENRY H. TIMKEN, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed May 31, 1924. Serial No. 717,004. 5 Claims. (Cl. 308—214.)



1. A roller bearing comprising inner and outer bearing members and headed rollers between them the inner member having an annular rib and the heads of the rollers contacting with said rib at two widely separated points, each of which is in a continuation of the bearing surface of said inner member.

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1,567,823. FOUNTAIN PEN. JOHN C. WAHL, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 5, 1921, Serial No. 519,841. Renewed Jan. 31, 1923. 6 Claims. (Cl. 120—42.)

1. The method of forming a pen section for fountain pens comprising a metal shell, molten rubber poured into said shell, and a longitudinal bore formed in said rubber.

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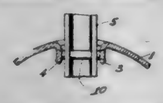
1,567,824. FOUNTAIN PEN. JOHN C. WAHL, Chicago, Ill., assignor to The Wahl Company, Wilmington, Del., a Corporation of Delaware. Filed May 26, 1922. Serial No. 563,794. 8 Claims. (Cl. 120—46.)

1. In a fountain pen in combination, a casing provided with a slot therein, resilient perforated lug members thereon, depending from the marginal edge thereof

and fashioned with out-turned portions at their low ends, a lever, a pin, fixed transversely of the lever with its ends projecting laterally therefrom, whereby relative



seating of the lever pin in the perforations in the resilient lug members directly into the barrel of the pen may be accomplished by force applied through the pin to flex the lug members until seating position is attained.

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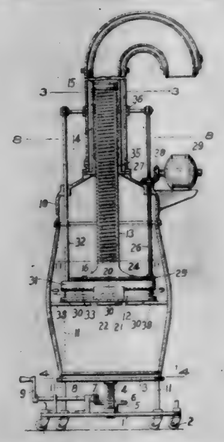
1,567,825. DISPENSING APPARATUS. HARRY W. WILLIAMS, Dayton, Ohio, assignor to Charles F. Gardner, Dayton, Ohio. Filed July 23, 1921. Serial No. 487,123. 25 Claims. (Cl. 221—102.)



1. In an apparatus of the character described, a support for a container, a superstructure carried by said support and spaced above the same, a discharge device mounted on said superstructure and adapted to extend into a container on said support and to separate material from the mass of material therein, means to convey the separated material from said container, and means for rotating said discharge device about an axis extending lengthwise of said container.

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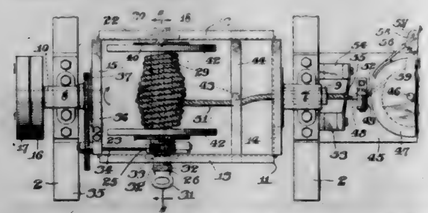
1,567,826. HAIR-CURLING MACHINE. PETER WOLL, Jr., Melrose, Pa., assignor to Peter Woll Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 6, 1925. Serial No. 13,444. 10 Claims. (Cl. 118—36.)



1. The combination of a frame, a rotatable member provided with a receiving device constructed to receive and take up a strand of twisted hairs when the device is actuated, means for rotating the member, a spiral forming element adapted to receive a strand of twisted hairs and to deliver it to said receiving device, said member and said element co-operating to spiralize said strand during the rotation of the member, and means influenced by varying thicknesses of said strand to actuate said receiving device at varying speeds in accordance with said varying thicknesses and thereby cause the spirallization of all parts of the strand in closely formed helices.

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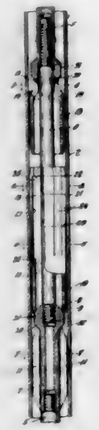
1,567,827. DEEP-WELL PUMP. JOHN A. ZUBLIN, Los Angeles, Calif. Filed Oct. 12, 1922. Serial No. 594,194. 14 Claims. (Cl. 103—225.)



1. A pumping unit for wells, including an interior section of pump rod independently guided for axial reciprocation in a well tubing, and a tubular piston free of and surrounding the rod to form an annular fluid passage, the piston being full floating with respect to the rod to permit it to independently center in the tubing having the upper portion expansible under pressure of the liquid carried thereby, the rod and piston cooperating to control the fluid passage and translate the piston.

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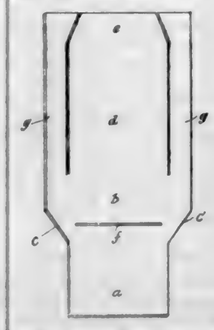
1,567,828. STENCIL HOLDER OR CARRIER FOR USE WITH TYPEWRITING MACHINES. LOUIS MAURICE BARMAN, London, England, assignor to Roneo Limited, London, England, a British Company. Filed Aug. 27, 1924. Serial No. 734,411. 4 Claims. (Cl. 197—136.)




1. A stencil holder or carrier adapted to be introduced between the platen roller and the feed rollers of a typewriting machine comprising a head and body portion, a slot formed between the head and body portion, a flap and tongue formed in the body portion, the tongue entering the slot to secure the carrier over the platen roller during successive cutting of stencils and marginal elements or guides formed in the body portion for introducing the stencil and its card or frame between the platen roller and the feed roller, the said marginal elements shaping the stencil to the platen roller and maintaining the shape during the complete cutting of the stencil.



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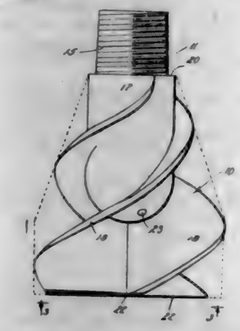
1,567,829. BIT. WILLIAM I. BETTIS, Los Angeles, Calif. Filed Jan. 28, 1924. Serial No. 688,948. 3 Claims. (Cl. 255—61.)



1. A bit of the character described including, a unitary structure comprising a shank of machinable metal, and a cutter of hard metal on one end of the shank, the cutter including a body engaging the shank and a helical blade integral with the body and extending from a point beyond the lower end of the body to the upper end of the body.

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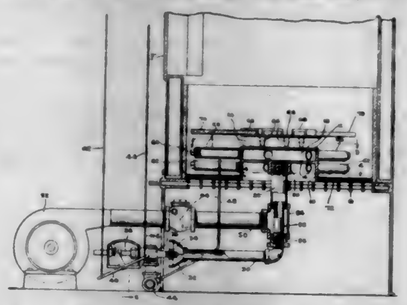
1,567,830. GAS BURNER FOR HEATING PLANTS. THOMAS R. BLANCHARD, Minneapolis, Minn., assignor to Oxigas Burner Company, Minneapolis, Minn., a Corporation of South Dakota. Filed Nov. 12, 1924. Serial No. 749,426. 3 Claims. (Cl. 158—99.)



1. A gas burner for heating plants comprising a casing, a horizontal partition dividing said casing into upper and lower portions, a pipe leading from below said casing thru said partition for supplying gas to the upper portion of said casing, a plurality of perforated tubes leading out radially from the upper portion of said casing, and a plurality of perforated tubes leading out radially from the lower portion of said casing and located so as to deliver air directly below said first mentioned perforated tubes.

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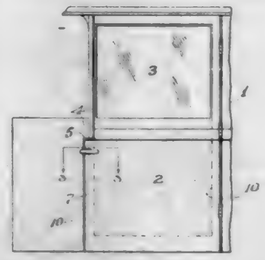
1,567,831. AUTOMOBILE DOOR. WILLIAM BREWSTER, New York, N. Y. Filed July 14, 1925. Serial No. 43,439. 1 Claim. (Cl. 296—44.)

In an automobile front door construction in which the upper portion is provided with a drop glass pane, while the lower portion contains a pocket within which said pane may be dropped, the combination of a scarf-joint member extending from one edge of the lower half of the door, with a similar scarf-joint member formed in



the adjacent edge of that part of the automobile body which forms one side of the door casing, the fixtures of the door, as the lock or hinges, being wholly contained within said scarf-joint members, whereby the movements of said pane within said pocket are unimpeded.

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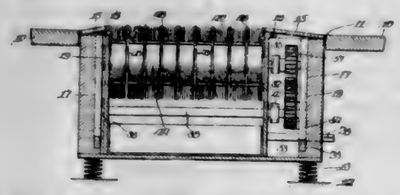
1,567,832. AUTOMATIC BOOT CLEANER. RICHARD S. BROOM, Chicago, Ill. Filed Apr. 3, 1925. Serial No. 20,370. 10 Claims. (Cl. 15—36.)



2. In an automatic boot cleaner, the combination with a main frame mounted for vertical movement, of an electric motor, a switch for making and breaking an electric circuit to said motor upon the depression and elevation respectively of the main frame, a plurality of spaced tread members horizontally and depressibly mounted in the upper portion of the main frame, elongated shoe cleaning elements mounted for longitudinal movement between pairs of said members, and means operable by said motor for driving said elements.

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1,567,833. GRID-SHAPED SCREEN FOR X-RAY APPARATUS. GUSTAV BUCKY, New York, N. Y. Filed Oct. 22, 1923. Serial No. 669,014. 10 Claims. (Cl. 250—34.)

10. Apparatus of the class described, comprising a stationary frame, two chain-wheels mounted on each side within said frame, two endless chains on each pair of said chain-wheels, strips of band-steel mounted on the hinge pins of and between said chains, reinforcing mountings upon the ends of said strips, laterally projecting pins at the reinforced corners of said strips, an outer and an inner guide rail upon the inner side of said stationary frame adapted to cooperate with those of said pins upon which said guide rail exerts a drag-

ging action in the direction of motion and adjusts said strips in such a manner that they always point to the focus of the X-ray tube and a motor for slowly propelling said chains through a reduction gear.

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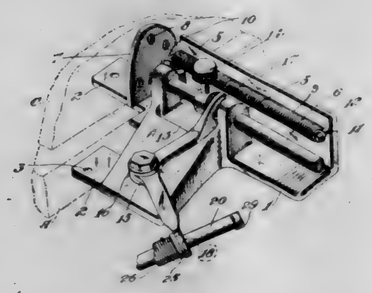
1,567,834. PAPER JOGGER. JAMES A. CARLTON, Newark, N. J. Filed Jan. 16, 1925. Serial No. 2,766. 9 Claims. (Cl. 271—89.)



3. A device of the character described including a body portion to be secured to a paper stacking table, a member reciprocable on said body portion to be connected to a sideboard of said paper stacking table, motion translating and power transmitting means to be connected to a source of power for reciprocating said member, and means for adjustably connecting said motion translating and power transmitting means to said member to permit adjustment of said member in the direction of its movement independently of said motion translating and power transmitting means.

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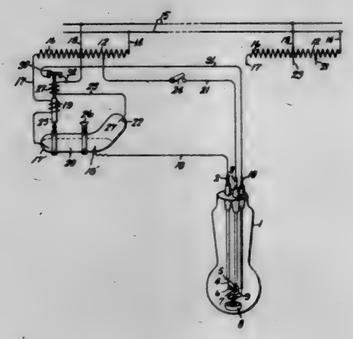
1,567,835. ELECTRIC-ARC DEVICE. RALPH T. CHEESEMAN, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Mar. 24, 1921. Serial No. 455,257. 11 Claims. (Cl. 176—46.)



2. An electric arc apparatus comprising an arc device containing electrodes adapted to operate at incandescence, separate means therein for furnishing ionized vapor to the space between said electrodes, a source of current having both low potential and high potential windings, connections to said electrodes from the high potential winding, a connection between the low potential winding and said ionizing means, and electro-magnetic means responsive to current flow between said electrodes for disconnecting said ionizing means and shifting connections to said electrodes from the high potential to the low potential winding.

1,567,836. REENFORCED ELASTIC WEBBING. GEORGE E. CLAUSS, Ansonia, Conn., assignor to The Ansonia O & C Co., Ansonia, Conn., a Corporation. Filed Mar. 3, 1925. Serial No. 12,903. 3 Claims. (Cl. 139—423.)

1. A broad elastic webbing for use in the manufacture of corsets and kindred articles of personal wear, having a body-portion comprising a plurality of rubber strands placed side by side, and a reenforced border portion also having a plurality of rubber strands placed side by side, the said body portion having a single range of rubber strands and the said border portion having a double range of superimposed strands, whereby the tensional resistance of the border portion is substantially greater than the tensional resistance of the body portion per unit of width of webbing.

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1,567,837. BEET-UNLOADING MEANS. JOHN COMER, Ogden, Utah. Filed July 28, 1925. Serial No. 46,594. 6 Claims. (Cl. 214—44.)

1. In beet unloading stations at the factory, embodying trackage for railroad beet transportation cars and a water flume extending from said trackage to the factory, the combination of an endless conveyer disposed in association with said trackage, for the reception of the beet contents from a car on said trackage, and discharging to said flume, and means for driving said endless conveyer.

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1,567,838. VOLTAIC CELL. MILLER EUGENE CONRAD, Atlantic, Iowa, assignor to C. B. Schoenmehl Incorporated, Waterbury, Conn., a Corporation of Connecticut. Filed February 9, 1921. Serial No. 443,616. 2 Claims. (Cl. 136—116.)

1. A negative electrode for use in a voltaic cell comprising a body of a depolarizing oxid impregnated with the fumes of sulfur.

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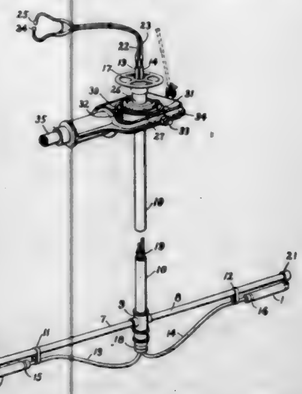
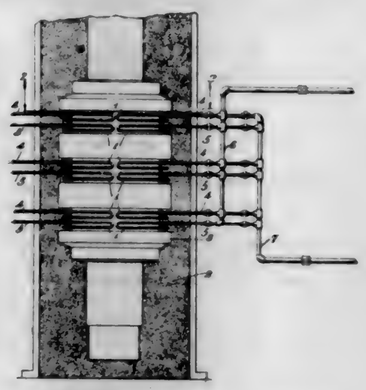
1,567,839. DIRECTIONAL SOUND-DETECTING DEVICE. WILLIAM D. COOLIDGE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 8, 1918. Serial No. 257,361. 17 Claims. (Cl. 181—26.)



1. In a sound detecting device for subaqueous use, an unstretched and unstrained diaphragm of soft rubber.



1,567,840. METHOD AND MEANS FOR CONTROLLING THE CONDENSING ACTION IN THE CASTING OF IRON ROLLS. ALFRED CROOK, Philadelphia, Pa., assignor to Philadelphia Roll & Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1924. Serial No. 702,340. 7 Claims. (Cl. 22—213.)



1. Means for effecting desirable alterations of grain structure in preselected areas of roll castings, comprising, in combination, a sand mold organized to dissipate the heat of the casting in the preselected areas through the medium of the sand, and means conformable to varying types of rolls for discharging the heat abstracted by the sand and including relatively adjustable fluid circulating units and their service connections.

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1,567,841. METHOD AND APPARATUS FOR CARDING FIBROUS MATERIAL. JAMES A. CURTIN, Medford, Mass. Filed Jan. 13, 1925. Serial No. 2,135. 6 Claims. (Cl. 19—100.)

1. A carding machine comprising a cylinder, a plurality of rolls arranged in groups and in carding contact with said cylinder, certain of the rolls of each group being of such arrangement, as to each card the material of the adjacent roll.

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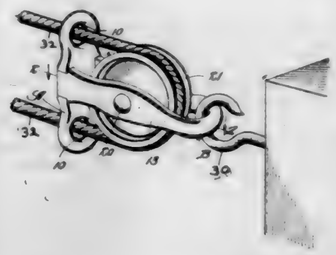
1,567,842. PULLEY. FRANK J. HALLER and EDWARD MENSENKAMP, Freeport, Ill., assignors to Stover Manufacturing & Engine Co., Freeport, Ill., a Corporation of Illinois. Filed Aug. 4, 1924. Serial No. 730,042. 1 Claim. (Cl. 254—197.)

A pulley supporting structure comprising a rope guide, a U-shaped member, and formations on the rope guide and arms of the member maintained in inter-engagement by the inherent resiliency of the arms to secure the rope guide and member in assembly, said formations embodying reduced free ends on the arms of the member engageable, respectively, in corresponding recesses in opposite sides of the rope guide, and providing shoulders on the arms for abutment against the face of the rope guide which is positioned adjacent the member,



said recesses each having one portion of greater depth than the remaining portion to provide a shoulder, and inwardly directed flanges on the reduced free ends of the arms engageable behind respective shoulders within the recesses of the rope guide.

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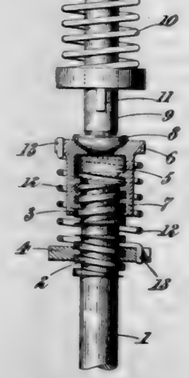
1,567,843. AUTOMATIC LENGTH-ADJUSTING DEVICE APPLICABLE TO RECIPROCATING PARTS OF MACHINERY AND THE LIKE. WILLIAM HAMILTON, Crowborough, England. Filed Mar. 6, 1923. Serial No. 623,152. 6 Claims. (Cl. 123—90.)



5. An adjustable element comprising a threaded part, and two members engaging respectively threaded portions of said part and adapted to move relatively toward and away from each other axially of said part, in combination with means for causing the simultaneous rotation of said members and their relative movement in opposite directions axially of said part.

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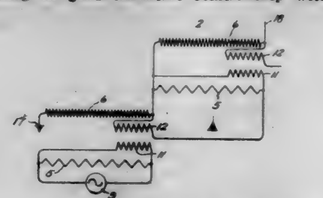
1,567,844. TRANSFORMER. ALLAN B. HENDRICKS, Jr., Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 10, 1921. Serial No. 514,328. 9 Claims. (Cl. 171—97.)

1. In a transformer, a magnetic core, main primary and secondary windings surrounding the core, a second sec-

ondary winding surrounding the core, and a second primary winding in good inductive relationship with the



second secondary winding, the turns of the second secondary end of the second primary windings being concentrated near one end of the main secondary winding.

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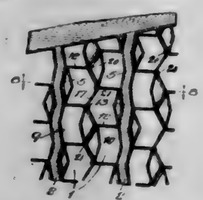
1,567,845. RADIATOR. HARRY JAFFE, Chicago, Ill., assignor, by mesne assignments, to McCord Radiator & Mfg Co., Detroit, Mich., a Corporation of Maine. Filed Dec. 31, 1920. Serial No. 434,235. 1 Claim. (Cl. 251—130.)



In a radiator of the kind described, thin walled vertical corrugated water passages, the water passages spaced apart by two substantially similar spaced strips and an intermediate divisional strip, the spacer strips formed to provide horizontal top and bottom walls for hexagonal air passages, the alternate vertical connecting walls deflected to nest with the water walls and the other connecting walls deflected to nest with the divisional strip, the opposed apexes of the two spacer strips spaced apart vertically midway of each other, the divisional strip formed to cooperate with the spacer strips to complete two vertical lines of hexagonal air passages between each two water passages and arranged to extend diagonally from the apexes of one spacer strip to the apexes of the opposed spacer strip, the apexes of the divisional strip being grooved to receive the edges of the apexes of the spacer strips to retain said parts in their relative positions.

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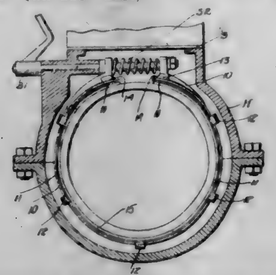
1,567,846. COMBINATION TRANSMISSION OR BRAKE-LINING MEMBER. LOUIS D. JOSEPH, New York, N. Y. Filed May 15, 1925. Serial No. 30,421. 2 Claims. (Cl. 188—249.)



1. In a brake, an outer curved brake band having castings connected to the ends thereof, the said castings having their outer ends adjacent to and spaced from the ends of said outer brake band, and an inner brake lining member comprising an inner curved resilient band having brake lining connected to the inner face thereof, the inner bands having hooks at the ends thereof adapted to slidably engage the ends of the outer band, the curvature of the end portions of said inner band being less than the curvature of the corresponding end portions of the outer band, so that the said end portions of the respective bands are spaced from each other when the brake is inoperative.

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1,567,847. INJECTION FOR HEMORRHOIDS. JINSHICHI KATO, Kyoto, Japan. Filed Oct. 4, 1920. Serial No. 414,640. 3 Claims. (Cl. 167—7.)

2. An injection for hemorrhoids prepared from electric colloid of metallic magnesium mixed with an oily liquid harmless to the human body and without substantial chemical action on said metallic magnesium.

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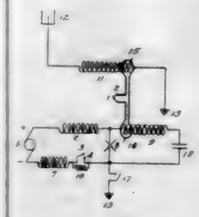
1,567,848. RADIOFREQUENCY TRANSMISSION SYSTEM. LORENZ LEI KUMEILIKE, Napa, Calif. Filed Mar. 9, 1922. Serial No. 542,434. 6 Claims. (Cl. 250—17.)



1. In a radio frequency transmission system, a local oscillatory circuit, an antenna circuit, an intermediate untuned loop circuit coupled to the oscillatory and antenna circuits and provided with a signalling key, and power balance means cooperating with said oscillatory circuit.

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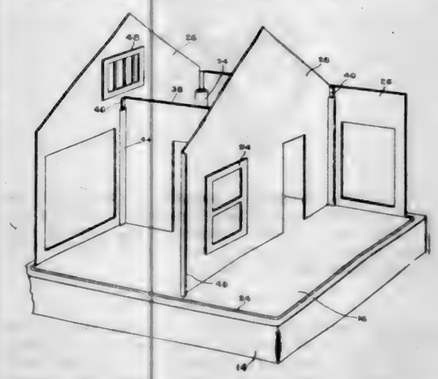
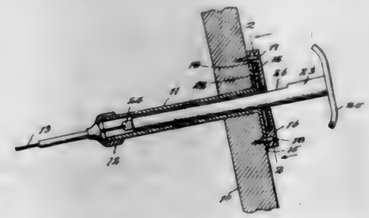
1,567,849. COLLAPSIBLE TOY BUILDING. EMIL S. KLINER, Burlington, Iowa. Filed Jan. 31, 1925. Serial No. 5,967. 4 Claims. (Cl. 46—37.)



1. A collapsible toy building comprising a hollow base of sheet material having a marginal groove extending around one surface thereof, wall members whose lower ends are adapted to be received in said groove and a sliding cover for the side of said base opposite said grooved surface whereby a receptacle is provided for receiving the wall members of the building.



1,567,850. ROD-LOCKING DEVICE. GEORGE F. LONG, Elmhurst, N. Y. Filed Jan. 30, 1925. Serial No. 5,718. 7 Claims. (Cl. 74—39.)



1. In a device of the class described, the combination of a casing including a bottom and a cover coacting to form within the casing an external circular bearing, a locking disk mounted for rotary movement in said bearing, said disk provided with a slot extending eccentrically of the axis of rotation of the locking disk, a pin secured to the casing and extending into said slot and providing means for locking the disk against rotary movement relative to the casing, a stem non-circular in cross section extending axially through the casing and disk, and said stem having its non-circular portion fitting within a similar shaped aperture in the center of the locking disk whereby rotary movement of the stem will cause a similar movement of the disk.

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1,567,851. KEY CASE. CHARLES LORBER, Louisville, Ky. Filed Feb. 28, 1925. Serial No. 12,362. 2 Claims. (Cl. 24—237.)

1. A key hook for key cases consisting of a single length of wire bent intermediate its ends to form an eye and having side portions, each turned up at its extremity to form a hook bill fitting closely against the other side portion, one of said bills fitting within the other, the external bill being crimped adjacent its point and the opposed side being correspondingly crimped to receive the crimped point portion.

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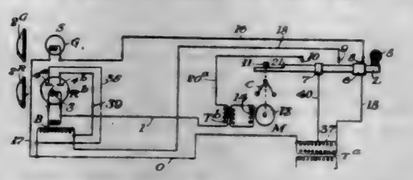
1,567,852. ELECTRIC LAMP. SAMUEL M. LUCAS, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Original application filed Aug. 24, 1921, Serial No. 494,823. Patent No. 1,506,071, dated Aug. 26, 1924. Divided and this application filed July 26, 1924. Serial No. 728,487. 11 Claims. (Cl. 246—138.)



1. In combination, a railway signal comprising a rectifier having a filament and two anodes, a lever, means controlled by said lever for supplying operating current to said filament, an indication circuit including a source of alternating current and having two branches one of which includes said filament and one anode, and the other of which includes said filament and the other anode, and locking means for said lever controlled by the current flowing in said indication circuit.

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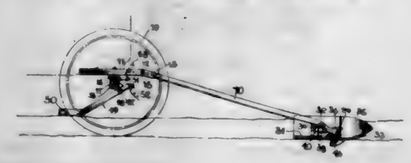
1,567,853. TRACTOR GUIDE ATTACHMENT. JULE B. MCKEE, Covington, La., assignor of twelve per cent to M. P. Plauche, twelve per cent to E. J. Frederick, and twenty-four per cent to F. J. Heints, all of Covington, La. Filed Sept. 6, 1923, Serial No. 661,314. Renewed May 27, 1925. 7 Claims. (Cl. 97—49.)



1. The combination with a tractor including the forward axle and steering wheels, and the steering elements, of a guide shoe supported from said axle and adapted to travel in a furrow, an arm swinging from said axle and terminating in a bearing shoe adapted to normally travel on the land adjacent the furrow, and electric contacts adapted to be closed to short circuit the electric control when the bearing shoe drops into the furrow.

5. An attachment for a motor driven vehicle comprising an arm adapted to be swingingly coupled to the forward axle of the vehicle and extending forwardly thereof and carrying a guide shoe adapted to run in a furrow, means adapted to couple said forwardly directed arm to the steering gear of the vehicle, an arm adapted to be coupled to swing upon said axle and extending rearwardly of the same and carrying a bearing shoe adapted to travel on the land adjacent the furrow, a stationary contact adapted to be supported from the axle, and a contact attached to the rearwardly extending arm and engageable with the stationary contact when the axle is turned from a direct course, to permit the bearing shoe to drop into the furrow to short circuit the electric control.

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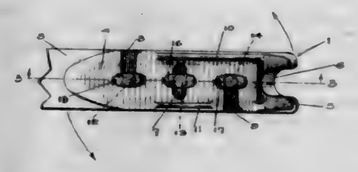
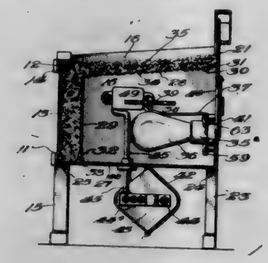
1,567,854. DEMOUNTABLE CLIP FOR BRAKE BANDS. RICHMOND W. MCCLELLAND, San Francisco, Calif. Filed Apr. 20, 1925. Serial No. 24,344. 1 Claim. (Cl. 188—249.)



In a device of the character described, the combination with a brake-band provided with a plurality of equally spaced and aligned retaining members bearing T-shaped heads, of demountable clips bearing, respectively, an elongated transverse opening having upon either side equally spaced open slots extending from the longitudinal centers of the clips to their outer edges and oppositely disposed relative to each other, the said retaining member heads being so positioned as to be nonregistrable with said slots when said clips are positioned properly upon the band, and to register therewith when said clips are turned at right angles to said band.

1,567,855. ELECTRIC FIREPLACE. DANIEL N. MEANY and EDWARD N. ELLSWORTH, Chicago, Ill., assignors to Electric Fireplace Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 24, 1924. Serial No. 751,773. 6 Claims. (Cl. 240—2.)



1. In an electric fireplace, the combination of a grate structure consisting of a back, end walls, and a grated front, an electric bulb secured to and projecting forwardly from the back, a mesh partition of angled formation extending forwardly from the back and down turned behind the grated front to afford a front space for the reception of artificial fuel, the rear and bottom edges of the mesh partition being backwardly turned to provide hooks, upper and lower rods entered through the end walls and extending through said hooks, and a layer of artificial fuel on top of and in front of said mesh partition, substantially as described.

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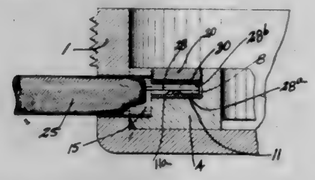
1,567,856. TERMINAL BLOCK AND CONNECTIONS FOR TELEPHONE RECEIVERS. DAVID H. MOSS, Newark, N. J., NICHOLAS J. CELENZA, Brooklyn, N. Y., and WILLIAM H. GERNS, East Orange, N. J., assignors, by mesne assignments, to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Mar. 20, 1925. Serial No. 17,051. 8 Claims. (Cl. 179—186.)



1. Connections for electromagnetic sound reproducers comprising in combination a casing, an electromagnetic operating mechanism arranged therein, a terminal block including a rectangular recess, a plurality of flat outstruck contact projections within said recess, and a plurality of flat terminal members formed on the extremities of flexible conductors projecting into said terminal block, each of said flat terminal members having outstruck and instruck portions adapted to be locked over the outstruck projections of said flat terminals, and means for clamping said flat terminal members in substantially locked position.

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1,567,857. TYPOGRAPHICAL MACHINE. JOHN P. MURRAY, Washington, D. C. Filed July 17, 1923. Serial No. 652,168. 7 Claims. (Cl. 199—55.) (Granted under the act of Mar. 3, 1883, 22 Stat. L. 625.)

1. In a type machine comprising casting mechanism and manually-controlled matrices, means to cast a line of type provided with spacing elements integral therewith to print lines of subject-matter in spaced relation to each other without the interposition of separate spacing type leads, such means comprising a mold cap provided with a plurality of rib-forming recesses, and an elevator

jaw having type-mold controlling means for withholding the flow of type-metal to a part of the matrices presented to the mold.

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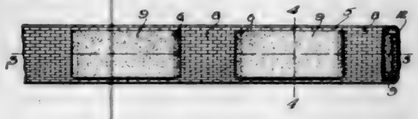
1,567,858. FRICTION MATERIAL. NILS WILLIAM NILSON, Walpole, Mass., assignor to Advance Automobile Accessories Corp., Chicago, Ill., a Corporation of Delaware. Filed Dec. 20, 1919. Serial No. 346,329. 11 Claims. (Cl. 188—259.)



1. A friction material comprising a fabric having a series of slits removed from the edges and a flexible frictional strip woven in and out of the slits.

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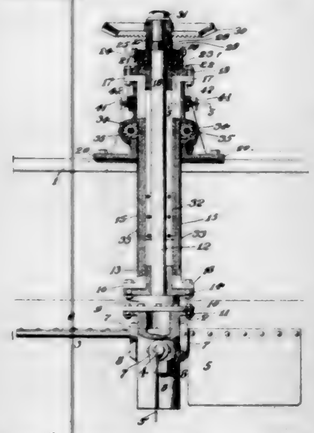
1,567,859. MEANS FOR UTILIZING POWER FROM STREAMS. JOHN VERNER ORNELL, Philadelphia, Pa. Filed Nov. 14, 1924. Serial No. 749,832. 1 Claim. (Cl. 170—121.)



Means for converting power derived from the flow of a stream into rotary motion including a rotatable and vertically movable hub; rock shafts mounted in the hub and extending therefrom in both directions; a blade fixed to each extending part of the rock shafts, the blade on one extending part being disposed in a plane at right angles to the blade on the other part; a collar fixed to the hub; a shaft fixed to the collar; a second collar resting upon the first named collar serving as a bearing for the shaft; standards fixed to the second collar; a collar fixed to the standards serving as a second bearing for the shaft, the standards having racks arranged longitudinally thereon; columns supporting the standards; gearing carried by the columns meshing with the racks, means for actuating the gearing; and releasable locking dogs arranged to engage the teeth of said racks.



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1,567,860. MARKING PATTERNS AND THE LIKE. ALLEN S. PEARL, Chicago, Ill. Filed Feb. 2, 1925. Serial No. 6,227. 2 Claims. (Cl. 22—158.)

1. The combination with a molder's pattern, of means for marking the same comprising a continuous integral type metal casting having a relatively thin body of uniform thickness, and integral characters raised from or recessed into its exposed surface in the same order as the desired order of characters on the finished pattern, together with a recess in the face of the pattern of the same depth as the thickness of the body portion aforesaid, and means for securing said body portion within said recess comprising brads or the like, substantially as described.

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1,567,861. UMBRELLA. BENJAMIN ROTHSCHILD, Baltimore, Md. Filed Feb. 24, 1922. Serial No. 538,864. 1 Claim. (Cl. 135—29.)

An umbrella rib composed of sections, shoulder members applied to the ends of the sections and having intermediate stop portions projecting beyond the ends of the sections, a link plate pivoted to the shoulder members at points beyond the end edges of the stop portions thereof, said plate being broader transversely than the transverse breadth of the sections and provided at its ends and at one side edge with recesses adjusted to receive the stop portions and whereby the intervening edge portion of the plate may aline with the outer surfaces of the stop portions when the rib sections are alined with each other, and springs connected at one end with the plate at points beyond the end edges of the intermediate stop portions of the shoulder members and connected at their other ends with the rib sections at points spaced from the ends thereof.

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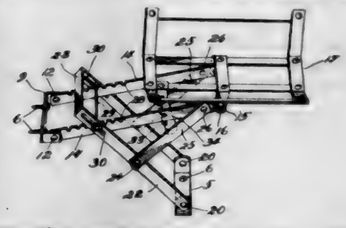
1,567,862. PILLOW REST FOR CASKETS. JOHN C. RUMSEY, Lawrence, Kans. Filed Jan. 26, 1925. Serial No. 4,758. 7 Claims. (Cl. 27—13.)

1. A device of the character described comprising a pair of fixed bracket elements, supporting members having separate pivotal connections with said bracket elements, a pillow rest member entirely supported by one of said supporting members, and connections between



said supporting members adapted to secure said supporting members in different positions of adjustment for varying the elevation of said pillow rest member.

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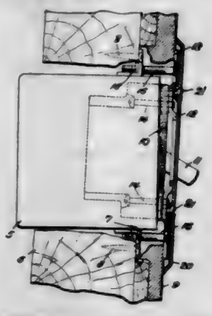
1,567,863. HOUSE-WIRING STRUCTURE. HOWARD R. SARGENT and FRANK C. DE REAMER, Bridgeport, Conn., assignors to General Electric Company, a Corporation of New York. Filed Jan. 3, 1923. Serial No. 610,496. 9 Claims. (Cl. 247—20.)



6. In combination, an electrical wiring device, supporting means projecting beyond its ends and provided with openings to receive fastening means for mounting it in an outlet box, and ears formed integral with said supporting means and adapted to engage the surface of a wall when the device is mounted in an outlet box in the wall.

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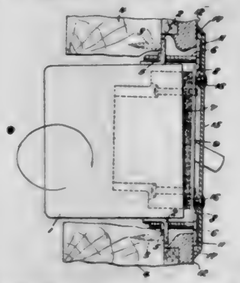
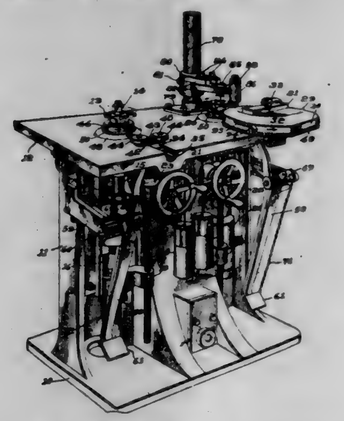
1,567,864. WALL-ATTACHMENT MEANS FOR ELECTRICAL DEVICES. HOWARD R. SARGENT, Bridgeport, Conn., assignor to General Electric Company, a Corporation of New York. Filed Feb. 18, 1924. Serial No. 692,606. 8 Claims. (Cl. 247—19.)



1. The combination with an electrical device having supporting lugs projecting beyond its ends for use in mounting it in an outlet box, of integral extensions on said lugs adapted to engage the surface of a wall when

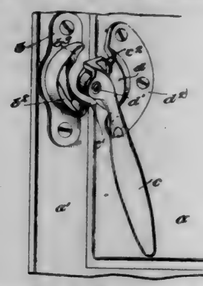
the device is mounted in an outlet box in the wall, the line of connection between the lugs and extensions being weakened whereby the extensions may be severed readily from the lugs.

1,567,865. WOODWORKING MACHINE. WILLARD N. SAWYER, Winchendon, Mass., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass., a Corporation of Massachusetts. Filed Aug. 8, 1924. Serial No. 730,803. 22 Claims. (Cl. 144—145.)



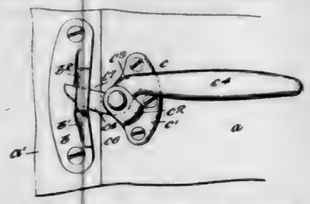
1. In a wood working machine, in combination, a vertical shaft for supporting and rotating a cutter, a pattern to which the work is secured, a pattern guide adjacent the cutter, a slide supported for movement toward and from the cutter, yielding means for urging the slide toward the cutter, a projection between the slide and pattern for holding the work against the cutter, treadle operated means for moving the slide away from the cutter, and means under the control of the treadle means and moving automatically into position to secure the slide in its retracted position.

1,567,866. LEVER LOCK FOR REFRIGERATOR DOORS. THOMAS O. SCHRADER, Allentown, Pa., assignor to Dent Hardware Co., Fullerton, Pa., a Corporation of Pennsylvania. Filed July 23, 1925. Serial No. 45,538. 1 Claim. (Cl. 292—241.)



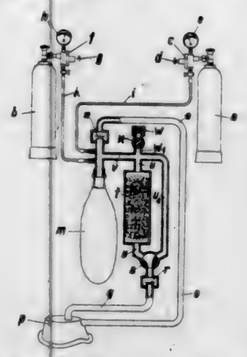
A construction of the character stated comprising a housing, a door, a keeper having a flat rear plate secured to said housing and projected forwardly from which is a semi-circular member, the forward upper edge of said member being provided with an inclined cam-like surface and the lower forward edge of said member having extended forwardly therefrom a relatively cone-like formation provided with an inner, overhanging ledge, the outer curved surface of said semi-circular member being continuous and uninterrupted, a lever arm having a bifurcated portion one extension of which is provided with a front tongue and a rear cam-like projection formed integral with said bifurcated portion, a flat plate secured to said door and provided with a segmental portion which segmental portion is accommodated by said bifurcated portion, a horizontally arranged pivot for connecting said lever and said segmental portion whereby said tongue and rear cam-like projection are respectively arranged to automatically engage the keeper ledge, to lock the door, and to manually permit by riding of said cam-like surface the release of the door from a locked condition.

1,567,867. LEVER LOCK FOR REFRIGERATOR DOORS. THOMAS O. SCHRADER, Allentown, Pa., assignor to Dent Hardware Co., Fullerton, Pa., a Corporation of Pennsylvania. Filed July 25, 1925. Serial No. 45,984. 1 Claim. (Cl. 292—241.)



A device of the character stated comprising a housing, a door therefor, a keeper for said housing comprising a plate secured thereto projected from which plate is a member provided with an inclined surface $b^1$ and a recessed tongue $b^2$ of cone-shape in longitudinal section, a lever-lock comprising a base plate secured to said door and having a bifurcated bearing portion, a lever pivoted between the forks of said bearing, the said lever terminating at one end in a handle curved from its pivot point upwardly as at $c^3$ and terminating at its opposite end in a contracted or narrow formation the under face of which is convexly curved at $c^6$ and the upper face of which is flat as at $c^7$,

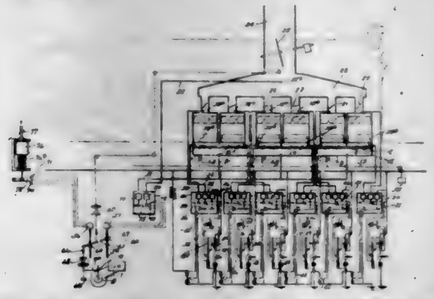
1,567,868. APPARATUS FOR ADMINISTERING ANÆSTHETIC GASES. HANS WILHELM CHRISTIAN SCHRÖDER, Lubeck, Germany, assignor to Dr. Ing. H. C. Alexander Bernhard Drüger, Finkenberg, Lubeck, Germany. Filed Aug. 14, 1925. Serial No. 50,811. 8 Claims. (Cl. 28—191.)



1. In an apparatus for administering anæsthetic gases by inhalation, the combination of a mixing chamber for containing a mixture of said gases, an inhalation pipe, a bifurcated exhalation pipe having two branches leading to said mixing chamber, a carbonic acid absorption device in one of said branches, and a three-way cock in said exhalation pipe whereby exhaled air is conveyed back to the mixing chamber at will through one or the other of said branches or through both branches simultaneously.

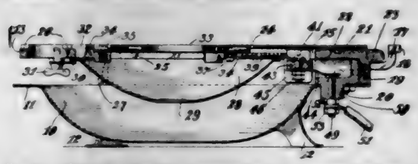


1,567,869. COMBUSTION-REGULATING SYSTEM FOR BOILERS. EDWARD H. SCHOFIELD, Minneapolis, Minn. Filed Feb. 15, 1922. Serial No. 536,697. 17 Claims. (Cl. 236—14.)



1. The combination with a boiler installation or unit having an automatic fuel feed mechanism, of a fuel feed regulator operative by disturbances of relative pressures above and below the point of initial combustion, and automatic means for maintaining in said combustion chamber a pressure closely approaching but below that of the external pressure.

1,567,870. ELECTRIC HEATER. LEMUEL W. SEFFELL, New York, N. Y. Filed July 25, 1925. Serial No. 45,982. 12 Claims. (Cl. 219—37.)

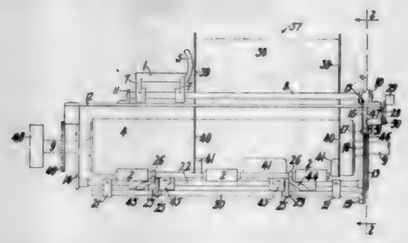


9. An electric heater comprising a grate having an opening and spaced radial ribs, connecting members between said ribs, the upper surfaces of which are spaced a predetermined distance below the upper surfaces of said ribs leaving open passageways between the ribs for the free outward spread of heated air, a hinged support for the grate with which it is detachably connected, a protected heating element within said opening in the grate, and a concave reflector detachably secured to the grate below the heating element.

1,567,871. TRAFFIC-SIGNALING SYSTEM. CLARA B. SITE, Washington, D. C. Filed Jan. 23, 1923. Serial No. 614,457. 2 Claims. (Cl. 177—329.)

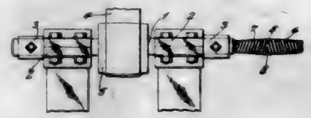
1. In a traffic signal, a casing having a plurality of sides, a plurality of compartments, one at each corner of the casing, each including a portion of two of said sides and containing "Stop" indica on one of said sides and "Go" indica on the other of said sides and a lamp for rendering said indica visible.

1,567,872. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 7, 1922. Serial No. 592,929. 16 Claims. (Cl. 197—138.)



1. In a typewriting machine, the combination with a platen, a carriage therefor movable in letter-feed and return directions, and a pressure device for holding worksheets to the platen, of a carriage-returning handle located above the platen for convenient operation by the left hand, controlling connections from said handle to the pressure device, and a horizontally disposed fingerpiece on the handle positioned to be engaged and depressed by fingers of the left hand to release said pressure device at the time when the same fingers are moving the handle to the right to return the carriage.

1,567,873. SMOOTHING, STRETCHING, AND SHAPING MACHINE. CHARLES B. SPALSBURY, St. Louis, Mo., assignor to Johnson, Stevens and Shinkle Shoe Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 9, 1924. Serial No. 685,116. 2 Claims. (Cl. 12—42.)

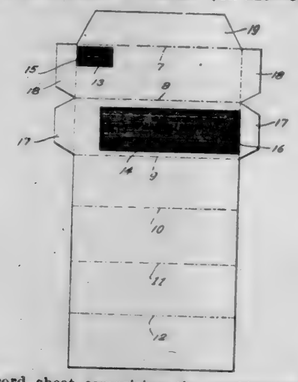


1. A device of the character described comprising two series of oppositely formed spiral convolutions of equal and uniform pitch throughout their length and having their adjacent ends merging into a proximately V-shaped terminals and each series tapering away from the adjacent end of the other series.

1,567,874. GUIDE ROD FOR FILE DRAWERS. FREDERICK L. G. STRAUBEL, Green Bay, Wis. Filed Dec. 6, 1924. Serial No. 754,323. 8 Claims. (Cl. 129—16.)

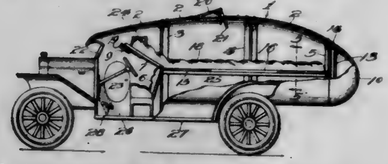
1. A vertical filing drawer having a tiltable front, a guide rod extending through the said front longitudinally of the drawer, and a ball-and-socket joint interposed in the said rod adjacent to the drawer front.

1,567,875. RECORD MAILING SHEET. WILLIAM E. SWANSON, Weehawken, N. J. Filed Jan. 30, 1923. Serial No. 615,809. 1 Claim. (Cl. 229—92.1.)



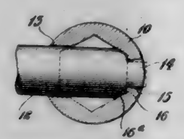
A record sheet comprising the combination of an envelope blank formed for folding and sealing with a carbon transfer slip substantially rectangular in form and secured at one side thereof to a portion of one edge of the front portion of said blank when folded, and a substantially rectangular relatively large carbon transfer slip secured along one side thereof in opposite disposition to the secured side of said first named slip to a portion of the side edge of the back portion of said blank when folded, said slips being foldable upon themselves to clear the line of writing spaces formed on the record portion of said blank, and for disposition within said blank with their free ends in overlapped relation when said blank is folded and sealed.

1,567,876. MOTOR-VEHICLE BODY. CHARLES P. TURNER, East St. Louis, Ill. Filed July 3, 1924. Serial No. 723,853. 5 Claims. (Cl. 296—23.)



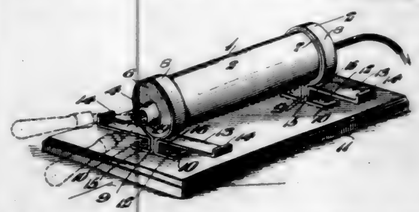
1. An automobile body divided transversely into a front compartment containing a seat and a rear compartment containing a cot-frame, a hinged door between the front and rear compartments, and swingable into the front one, a pad or mattress carried by the cot-frame and having a portion on said door, and a closure for the rear end of the body.

1,567,877. TOOL CONSTRUCTION. WALTER I. TUTTLE, Providence, R. I., assignor to Frank Mossberg Company, Attleboro, Mass., a Corporation of Rhode Island. Filed July 31, 1922. Serial No. 578,838. 2 Claims. (Cl. 81—121.)



1. In tool construction, in combination, a member adapted to engage and turn a nut, said member having a hollow part; and a cylindrical handle member passing freely through an opening in one side of said hollow part and having a flattened end riveted into an opening in the side of said hollow part opposite said first opening, and having a shoulder abutting the interior surface of said hollow part about said last opening to limit the movement of said handle thereinto.

1,567,878. ELECTRIC HEATER FOR CURLING IRONS. DAVID W. VAN TINE, Philadelphia, Pa. Filed June 3, 1925. Serial No. 34,507. 3 Claims. (Cl. 219—23.)

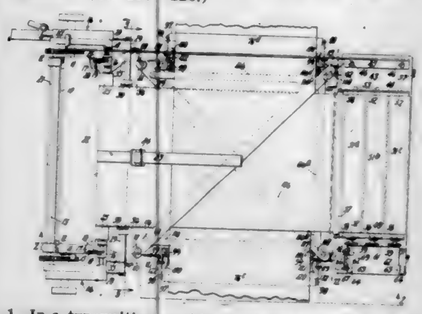


1. A device of the character stated comprising a casing member, flanged caps for closing both ends thereof said caps fitting over said casing member, a tubular member arranged within said casing member and projected through one end thereof to receive an article to be heated, a heating coil surrounding said tubular member, a base, means carried by said base to support the caps of said casing member and laterally disposed rests at each end and upon both sides of the device and rigidly clamped directly to said base for supporting articles to be heated.

1,567,879. LOOM. BASTIAAN CAREL AUGUST VORSTER, Amsterdam, Netherlands, assignor to Syndicate Soltman C. S., Amsterdam, Netherlands, constituted by myself; Gerhard Soltman, Lonneker; Huibert Soer, Anton Joseph Koenraad Grond, and Carl Adolf Elias, Amsterdam, Netherlands. Filed Apr. 10, 1924. Serial No. 705,681. 5 Claims. (Cl. 139—125.)

1. In a continuous weft loom, a shuttle of the character described, characterized by the fact that it is provided with a slot extending through the total height of the body of the shuttle and substantially over the total length thereof.

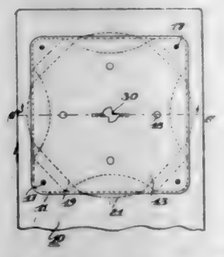
1,567,880. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 2, 1923. Serial No. 622,285. 45 Claims. (Cl. 197—126.)



1. In a typewriting machine having a letter-feeding carriage and a platen thereon, said carriage having a rearward extension, stationary spools of work-web disposed at opposite sides of said rearward extension and below the carriage, delivering work-webs upwardly and in opposite directions to said extension, oblique devices crosswise of each other and stationary on said extension for directing said workwebs forwardly to said platen, carbon-sheets interleaved with the work-webs, and reciprocable means for stripping the carbon-sheets from the work-webs.

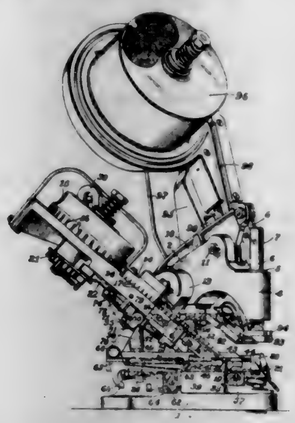


1,567,881. LOCK. EUGENE R. WEBER, Rochester, N. Y., assignor to Sargeant & Greenleaf Inc., Rochester, N. Y., a Corporation of New York. Filed June 16, 1922. Serial No. 568,833. 9 Claims. (Cl. 70—74.)



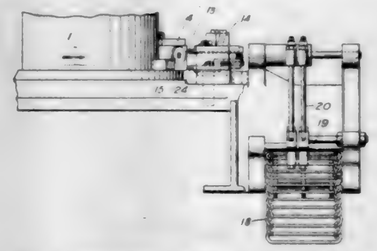
1. In a device of the class described, the combination with a closure for an opening, of a member movably carried thereby having a plurality of peripherally spaced bolting portions adapted by the movement of the member to be projected beyond and withdrawn within the outline of the opening to be closed, devices for holding said member with said portions in projected bolting position, and means for releasing the member from said devices and moving the same to withdraw said portions to unbolting position.

1,567,882. BUTTON-ATTACHING MACHINE. FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 26, 1925. Serial No. 11,664. 49 Claims. (Cl. 218—6.)



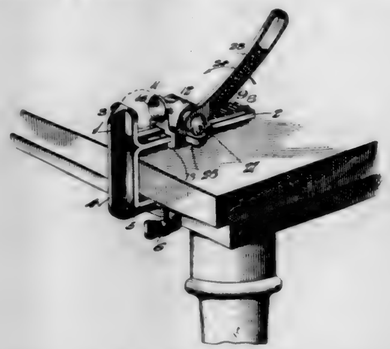
1. In a button attaching machine, a plunger, means for operating the same, means for feeding the buttons to the plunger, tack-receiving jaws located beneath the plunger, a rotatable hopper for the tacks, means for automatically rotating the hopper and feeding the tacks to said tack receiving jaws normally controlled by said plunger actuating means, and means independent of said plunger actuating means for manually operating said automatic tack feeding means and rotating said tack hopper to thereby feed a tack to the tack receiving jaws.

1,567,883. STRIPING MEANS FOR KNITTING MACHINES. EDWIN WILDT, Leicester, England, assignor to Wildt & Co. Limited, Leicester, England, a British Company. Filed Feb. 16, 1922. Serial No. 536,919. 4 Claims. (Cl. 66—21.)



1. In a circular knitting machine, striping means comprising striping needles having butts of different length thereon, and a cam movable both horizontally and vertically, the latter movement being used to bring the cam into and out of action, and the horizontal movement being used to bring the cam into different positions for acting on butts of different length on the striping needles.

1,567,884. NUTCRACKER. ALEX WOLDERT, Tyler, Tex., assignor to Alex Woldert Company, Tyler, Tex., a Corporation of Texas. Filed Nov. 20, 1924. Serial No. 750,964. 2 Claims. (Cl. 146—16.)

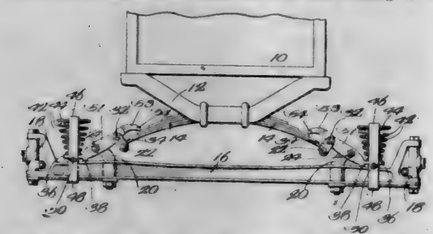


1. In a device of the character described, a guideway, a stationary jaw at a right angle to said guideway and integral therewith, a housing slidable on said guideway, a movable jaw carried by said housing a bearing opening through one side of the movable jaw housing, a corresponding bearing recess in the inner face of the other side of said movable jaw housing, a cam shaft rotatably mounted within said bearing opening, a corresponding cam disk rotatably mounted within said bearing recess, an eccentric pin fixedly carried by said cam shaft and extending into said cam disk, and a driving pawl pivotally mounted on said eccentric pin.

1,567,885. VEHICLE SPRING SUSPENSION. GOTTLIEB F. ZUCKER, Chicago, Ill. Filed July 24, 1924. Serial No. 728,054. 9 Claims. (Cl. 267—17.)

1. In combination with a vehicle body and its axle, a leaf spring secured to the body, a support rising from the

axle, a lever pivoted between its ends to said support, a link connection between the leaf spring and one end of said lever, and a vertically arranged coil spring connected at its upper end with the axle and resting at its



lower end on the other end of said lever above the axle, whereby it normally sustains the weight of the body and permits movements of the latter towards the axle irrespective of flexure of said leaf spring.

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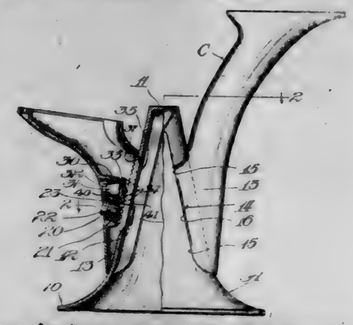
1,567,886. FURNITURE. GEORGE H. ABBOTT, Elgin, Ill., assignor to Woodruff & Edwards Co., Elgin, Ill., a Corporation of Illinois. Filed Jan. 7, 1924. Serial No. 684,707. 4 Claims. (Cl. 155—82.)



1. In a furniture article of the kind described, the combination of a standard having a vertically slotted wall, a bracket formed to rest against said wall, an apertured nut having a head adapted to engage the rear side of said wall, a bolt connecting the bracket with the nut, a rack mounted on the standard and extending through the nut aperture, and a worm device rotably mounted on the bracket adapted to engage with the rack in a manner to move the bracket vertically, substantially as described.

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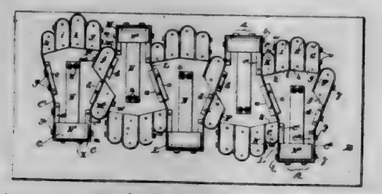
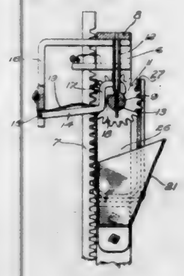
1,567,887. DIE FOR MAKING GLOVE BLANKS. ALBERT C. ACKERMAN, Ballston Spa, N. Y. Filed Oct. 7, 1924. Serial No. 742,167. 7 Claims. (Cl. 164—29.)



1. A gang of dies for cutting glove blanks comprising a support, a plurality of dies arranged thereon in reverse order for cutting identical blanks each suitable for front or back of the glove, a plurality of blocks on the support for each die, and a plurality of individual cutting elements for each die, each element being attached to a block, and the adjacent thumb sides of two blanks being cut by a single die element.

1,567,888. LIQUID-VENDING MACHINE. WARREN DELAWARE AMBROSE, Nacogdoches, Tex. Filed Dec. 13, 1923. Serial No. 680,555. 1 Claim. (Cl. 194—66.)



In a coin controlled mechanism, a reciprocating element, a shaft having a slot for holding a coin partly projecting therethrough and notch adjacent the slot, means for operating the element from the shaft, means for feeding a coin into the slot of the shaft, and a pivoted and spring pressed member having at its free end a hook extending over the shaft and having its extremity engaging the notch of the shaft to prevent it from turning in one direction but permitting it to turn in the other direction, the said member engaging the portion of the coin projecting through said slot, upon the rotation of the shaft to first disengage its hook from the notch of the shaft and then to be expelled thereby from the slot.

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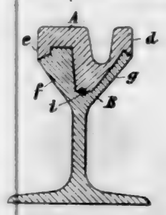
1,567,889. TRAMWAY RAIL. CARL ANDERSEN, LORIS CHRISTIANSEN, LUDVIG FLODIN, and ALBERT FLODIN, Copenhagen, Denmark. Filed Sept. 16, 1924. Serial No. 738,103. 2 Claims. (Cl. 238—148.)



1. In a railway rail, a member having a base, a shank and a head, said head having a longitudinal recess in its upper side, the sides of which recess converge downwardly, and also having oppositely downwardly and outwardly inclined upper side edges, and an upstanding flange between one of said inclined upper side edges and one of said sides of said recess; and a member having a head presenting a downwardly extending portion corresponding in cross section with said recess and entering the same, said last named member also having side portions complementary in cross section to the side portions of the first named member.

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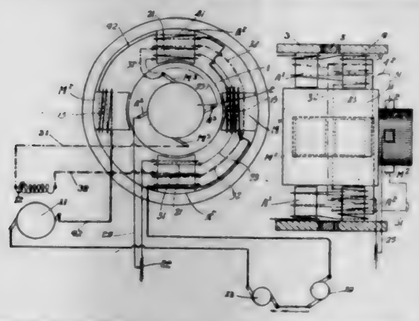
1,567,890. ELECTRIC GENERATING PLANT FOR CONSTANT-CURRENT SYSTEMS. GILBERT AUSTIN, JAMES COLQUHOUN MACFARLANE, and WILLIAM ALLAN MACFARLANE, Glasgow, Scotland. Filed Oct. 13, 1924. Serial No. 743,469. 7 Claims. (Cl. 171—228.)

1. An exciter for use with electric generating plant for constant current systems comprising a single armature; main poles; auxiliary poles; main brushes and auxiliary brushes; a field winding on the main poles adapted to be



connected in series with the main line circuit of the generating plant; an "exciting" winding on the auxiliary poles connected to said auxiliary brushes; and a "com-



pensating" winding on the auxiliary poles connected in series with the main brushes of the exciter and arranged to assist the "exciting" winding.

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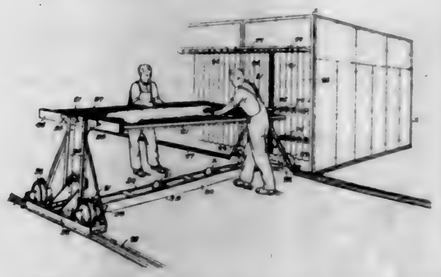
1,567,891. DRIER. ELWOOD B. ATHEN, Melrose Park, and ALPHEUS O. HURXTHAL, Philadelphia, Pa., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 8, 1925. Serial No. 1,248. 13 Claims. (Cl. 34—40.)



7. The combination of a truck having a pair of socket plates at each end thereof; and a frame of a drier having two pins at each end, one of the pins at each end being a pivot pin and arranged off center, the other pin at each end being located some distance from the pivot pins and forming stops to limit the movement of the frame when it is tilted from a vertical position to a horizontal position.

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1,567,892. TOOL FOR REMOVING FROM OR APPLYING DIFFERENTIAL GEARS TO THEIR AXLES. WILLIAM C. BAKELS, Midland Park, N. J. Filed Sept. 20, 1924. Serial No. 738,856. 5 Claims. (Cl. 29—85.)

1. A tool for effecting the connection and disconnection of a differential gear and axle section comprising a frame including means for supporting the axle section for axial movement, means at one end of the frame engageable with the gear for limiting the axial movement thereof in opposite directions, means movable through the opposite end of the frame and engageable with one extremity of the axle section for effecting relative axial movement of the same with respect to the gear in one direction whereby to permit of the disengagement and removal of the gear retaining means, and means movable through the first mentioned end of the frame and engageable with the opposite extremity of the axle section for effecting relative axial shifting movement of said axle section through the gear and the removal of the same therefrom, the said frame consisting of relatively longitudinally adjustable sections whereby to permit of use of the tool in connection with axles of various lengths.

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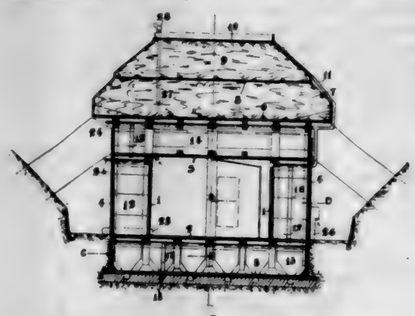
1,567,893. SAFETY MAGAZINE FOR EXPLOSIVES AND AMMUNITIONS. FAUSTO BARATTA, Spezia, Italy. Filed Mar. 13, 1923. Serial No. 624,876. 3 Claims. (Cl. 189—1.)



1. A safety magazine for explosives and ammunitions, comprising a double walled chamber, an outer blindage supported by the upper outer wall of the chamber, a water basin formed in the aforesaid blindage, designed to collect the rain water, and means allowing the communication of said water basin with the intermediate space comprised between the double walls of the chamber.

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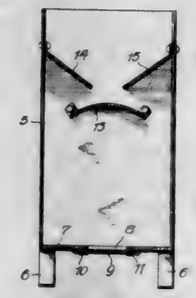
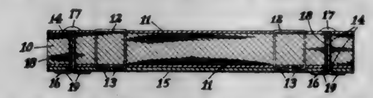
1,567,894. RECEPTACLE FOR CARBON BUTTS. JOSEPH ANTHONY BARCELONA, Baton Rouge, La. Filed July 5, 1923. Serial No. 649,651. 1 Claim. (Cl. 220—1.)



A receptacle for carbon butts comprising a container substantially rectangular in horizontal section and open at its top to receive the butts, a pair of opposed plates secured to and converging downwardly from the inner opposite walls of the container and extending entirely across said walls, said plates being spaced apart at their lower ends to provide a central slot therebetween extending transversely of the container, a cylindrically curved baffle plate mounted in the container with its intermediate high portion directly beneath said central slot and with its opposite ends curved downwardly beneath and spaced from the lower ends of the opposed plates, the opposite lower ends of the baffle plate spaced

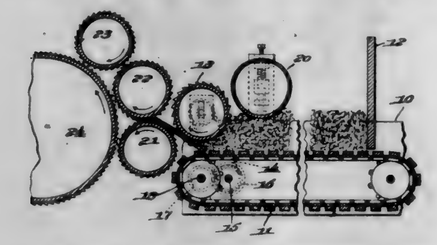
from the adjacent opposite walls to provide slots beneath the opposed plates parallel with the central slot, a bottom for the container having a lower central slot parallel with said before mentioned slots, and a cover carried by the bottom for the lower slot.

1,567,895. REVERSIBLE WRITING PAD. JEAN A. H. BARKELL, Hollywood, Calif. Filed Aug. 13, 1924. Serial No. 731,693. 3 Claims. (Cl. 281—19.)



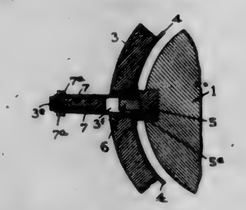
1. A reversible writing pad, comprising a permanent assemblage of sheets of material adapted for writing thereon to form a pad, permanent binding strips on both sides of said pad, clamping one end thereof, and a backboard having one of its ends detachably fixed to said binding strips and pad, so that said back-board may be removed from either side of said pad and may be reattached to the other side thereof.

1,567,896. MACHINE FOR FEEDING FIBROUS MATERIAL. EDDO V. BATES, Lowell, Mass. Filed Dec. 15, 1924. Serial No. 755,883. 4 Claims. (Cl. 19—78.)



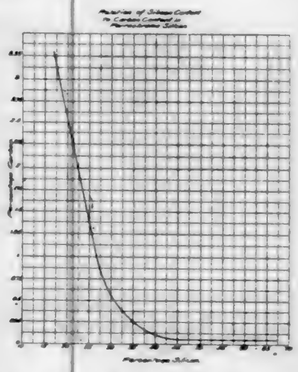
1. A machine for feeding fibrous material comprising a stock conveyor arranged to carry stock toward the machine to be fed; feed rolls arranged to receive stock from said conveyor; means coacting with said conveyor to advance stock towards said feed rolls, said means being arranged to retard the passage of stock between said feed rolls whereby matted and tangled stock is straightened prior to leaving said feed rolls; stock hold down means arranged in advance of said conveyor coacting means, and means to force stock carried by said conveyor towards said first means and said hold down means.

1,567,897. STEREOTYPE PLATE CASTING BOX. HENRY F. BECHMAN, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a Corporation of Michigan. Filed June 10, 1922, Serial No. 567,343. Renewed Sept. 28, 1925. 17 Claims. (Cl. 22—2.)



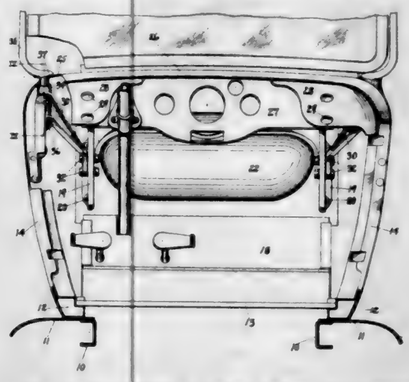
1. A stereotype casting box having a drag, a cope, and a core, the core having its upper end reduced in diameter beyond the plate forming portion, substantially as described.

1,567,898. PROCESS OF MAKING RUSTLESS IRON AND SIMILAR ALLOYS. FREDERICK M. BECKET, New York, N. Y. Filed Feb. 21, 1925. Serial No. 10,852. 6 Claims. (Cl. 75—1.)



1. Process of making corrosion-resisting chromium alloys which comprises producing under electric furnace conditions a low-carbon metallic product containing chromium in excess of 5% and more than 40% silicon, and then reacting on said product with a metal oxid to oxidize the silicon.

1,567,899. MOTOR VEHICLE. EDWARD H. BELDEN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 26, 1920. Serial No. 406,187. 20 Claims. (Cl. 296—28.)



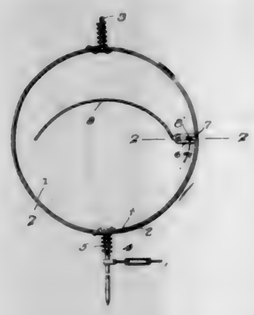
1. In a motor vehicle, a frame having side members, standards rigidly mounted on said side members, a rearwardly extending arm secured to each of said standards, a vehicle body mounted upon said frame in the rear of said standards, an instrument board supported upon said arms, and a pair of windshield brackets having feet attached to said arms and body respectively.

1,567,900. TRAP. MERLE E. BIGELOW, Milford Center, Ohio. Filed June 3, 1924. Serial No. 717,650. 1 Claim. (Cl. 43—90.)

A trap of the character described comprising a pair of ring-shaped members placed one within the other, diametrically oppositely disposed pins carried by the inner member and passing through the outer member, a coil spring surrounding one of said pins and having its end convolutions thereof fixed to the pin and the outer

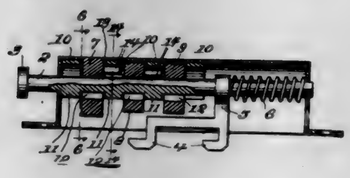


member respectively, the other of said pins being adapted to support the trap in an upright position, a bracket carried by the inner member and disposed at right angles with respect to the pin, a latch member on the bracket and being provided with a right angled extension for



engaging the members for holding them together with the spring under tension, a trigger member pivoted to the bracket for holding the latch member in set position, a ratchet means for preventing an animal caught in the trap from opening the same and a chain secured to the other of said pins.

1,567,901. LOCK. GUSTAVE BLAIR, Albert Lea, Minn. Filed June 8, 1923. Serial No. 644,204. 1 Claim. (Cl. 70—53.)



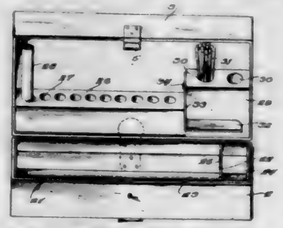
A lock of the class described comprising a casing, spaced projections therein, said casing being formed with a slot, a bolt slidably mounted in the casing, locking dogs carried by the bolt, a spring on the bolt for holding the dogs in locking position, spaced keys on the bolt, a series of disks rotatably and removably mounted on the bolt and having portions engaging between the projections, one of the disks being of larger diameter than the other disks so that it will engage the slot, said disks having keyways therein for receiving the keys on the bolt and projections on the disks engaging each other so that the adjustment of the large disks through the slot will adjust the other disks.

1,567,902. DETERGENT COMPOUND. BERTHOLD L. BLATT, Freedom, Pa., assignor of one-third to James H. Johnston, Wampum, Pa., and one-third to Willis C. Jack, Freedom, Pa. Filed Jan. 8, 1925. Serial No. 436. 4 Claims. (Cl. 87—5.)

1. A composition of matter for cleaning and renovating painted or varnished surfaces, consisting of sodium phosphate, sodium borate, and glue.

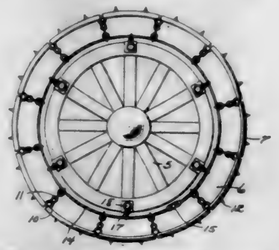
1,567,903. SMOKER'S KIT FOR AUTOMOBILES. THOMAS T. BOOKMAN, Blaney, S. C. Filed Nov. 11, 1924. Serial No. 749,239. 2 Claims. (Cl. 206—20.)

1. A device for the purpose set forth comprising a container consisting of a body and a lid hinged to the body, means for securing the container upon the steering column of a motor vehicle, a match holder secured in



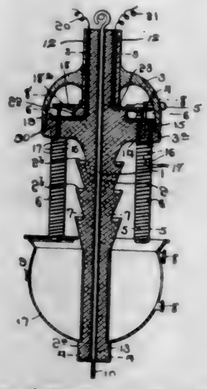
the cover, and a guard pivoted upon the side of said match holder and adapted to extend across the ends of matches therein to retain them normally in the holder.

1,567,904. ANTISKID DEVICE. ARTHUR BOOMHOVER, St. Albans, Vt. Filed June 11, 1924. Serial No. 719,419. 2 Claims. (Cl. 152—16.)



1. An anti-skid device comprising a flexible band adapted to be arranged upon the inner face of a vehicle wheel rim and formed with circumferential housings at its edges, the band being provided with slits at its edges which are arranged in staggered relation and adapted to receive the spokes of a wheel, rings carried by the housings and short chains depending from the rings, and anti-skid means adapted to embrace the tire and carried by the chains, and means for securing the flexible band to a pneumatic tire and the wheel rim.

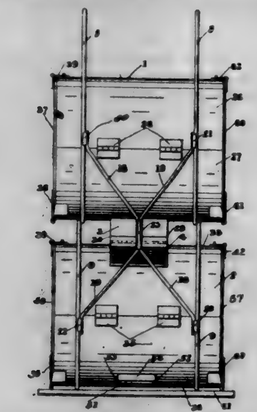
1,567,905. INSECT CATCHER. JULIO BOVET, VENANZIO LALE DEMOZ, and ARTURO LALE DEMOZ, Buenos Aires, Argentina. Filed June 14, 1923. Serial No. 645,460. 3 Claims. (Cl. 43—112.)



1. An apparatus of the class described including a rod like insulated support provided with an outwardly extending flange, insulated pins carried by said flange, wires

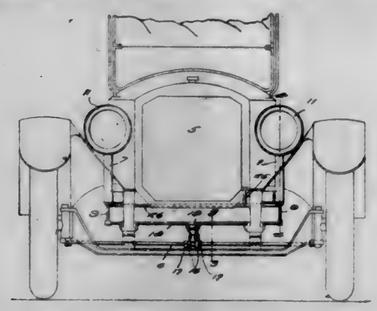
wound about the pins in spaced relation and adapted to be arranged in a circuit which is completed by an insect bridging the space between the wires, a switch for controlling the passage of current to the portions of the wire arranged on the pins, a bait receptacle arranged on the support between the pins, and a receptacle arranged on the support below said pins for catching insects electrocuted on said wires.

1,567,906. BEE GUM. RILLIE O. G. BOWMAN, Pelahatchie, Miss. Filed May 13, 1924. Serial No. 713,097. 2 Claims. (Cl. 6—2.)



1. In a bee gum, a base, a front and a rear wire frame consisting of an upper and lower section secured to said base, tie rods connecting said front and rear frame, a cylindrical chamber adapted to fit within the upper section and a similar cylindrical chamber adapted to fit within said lower section, and means of communication between said cylindrical chambers comprising a passage chamber rigidly attached to the chamber of the upper section and adapted to extend into an opening provided in the chamber of the lower section.

1,567,907. DIRIGIBLE HEADLIGHT. WILLIAM WILEY BRATTON, Slab Fork, W. Va. Filed May 20, 1925. Serial No. 31,674. 1 Claim. (Cl. 240—61.)



The combination with an automobile including a transversely shiftable steering gear rod, and a pair of rotatable lamp supports, of a transversely shiftable actuating rod operatively connected with a lamp support, an upstanding arm on the transversely shiftable steering gear rod, an angularly disposed link pivotally connected with the upper end of the arm, a boss on the actuating rod, a normally vertically disposed lever pivoted to the boss, and the lower end of the link, such link and lever affording operative connections between the transversely shiftable steering gear rod and transversely movable actuating rod and permitting movement with respect to the movement of the body of the vehicle with respect to the frame without breakage.

1,567,908. TRANSPLANTING TROWEL. WALTER I. BRIGHAM, Framingham, Mass. Filed Feb. 16, 1923. Serial No. 619,508. 14 Claims. (Cl. 55—67.)

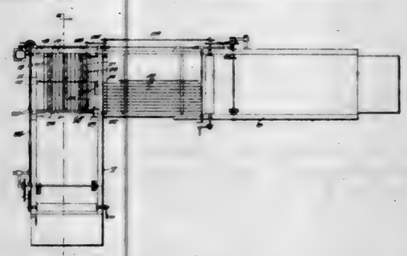
2. A dibble comprising a work member and handle formed from a single piece of sheet material and means for suspending said implement from the wrist of the operator when not in use, in juxtarelation to the hand of said operator.

5. In a garden tool a transplanting member having a pointed earth penetrator provided with outer cutting edges, the sides of said member having rearwardly disposed root cutting edges adapted to function during backward movements of said tool.

9. In a hand tool a work member and a loop attached thereto for suspending said tool in juxtarelation to the hand.

10. In a trowel a work member and a handle formed integral with said work member and bent laterally to fit the palm of the hand.

1,567,909. SHEET RECEIVING AND FEEDING MECHANISM. ALBERT BROADMEYER, Harrisburg, Pa., assignor to W. O. Hickock Manufacturing Company, Harrisburg, Pa., a Corporation of Pennsylvania. Filed Jan. 12, 1923. Serial No. 612,321. 15 Claims. (Cl. 271—48.)



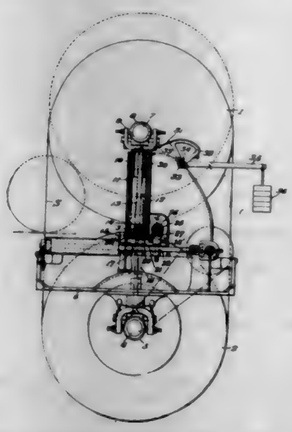
1. In a sheet moving apparatus, the combination with a moving member, of a rotatable gripping member that coacts therewith, and is rotatable in coaction with the moving member, a stop for holding the gripping member against rotation, and means for intermittently operating the stop to release and permit the rotation of the gripping member in coaction with the moving member.



1,567,910. MAGAZINE PENCIL. WENZEL FRANZ BRYNDA, Vienna, Austria, and ROBERT POLLAK, London, England, assignors to Alladin Industries Limited, London, England. Filed Mar. 3, 1925. Serial No. 12,948. 12 Claims. (Cl. 120—14.)

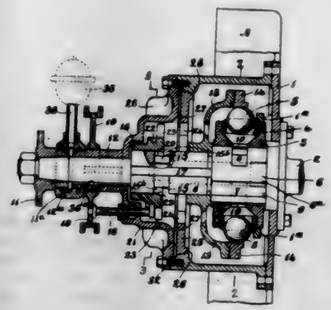
1. In a magazine pencil the combination of an outer sleeve and an inner sleeve coaxial thereto and adapted to move longitudinally relatively to the outer sleeve and to rotate in one of the extreme longitudinal positions in the outer sleeve round the axis of both sleeves, a plurality of lead carriers substantially parallel to the axis of the sleeves, means for moving all the lead carriers along with the outer sleeve in one direction, means for moving any one of the said lead carriers selectively with the outer sleeve in the opposite direction such means comprising projections on the lead carriers and a projection connected to the outer sleeve adapted to be brought into engaging position relatively to the projections on the lead carriers by rotating the outer sleeve relatively to the inner one round their common axis.

1,567,911. TENSION FOR BAND MILLS. GEORGE E. CAMPBELL, Chattanooga, Tenn., assignor to The Wheland Company, Chattanooga, Tenn., a Corporation of Tennessee. Filed Mar. 31, 1922. Serial No. 548,352. 11 Claims. (Cl. 143—27.)



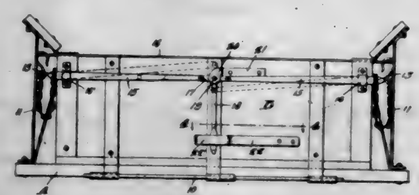
1. The combination with a band saw wheel, of a bearing support therefor, a column extending toward said bearing, a rock-shaft for adjustably supporting the bearing, a substantially vertically disposed arm, secured to the rock-shaft and extending substantially parallel to said column to a point adjacent said bearing, and means connected with the outer end of the arm for applying tension thereto to rock said arm and the rock-shaft.

1,567,912. HYDRAULIC CLUTCH. ROBERT FALKLAND CAREY, Leigh-on-Sea, England. Filed Jan. 16, 1923. Serial No. 612,952. 4 Claims. (Cl. 192—60.)



1. A hydraulic clutch comprising a fluid-containing casing, a pressure chamber associated with said casing and normally in communication with the latter, a driving member, a driven member, a cam track within said casing and connected to said driven member, a rotor within said casing connected to said driving member, said rotor having a plurality of radially arranged open-ended cylinders and a plurality of passageways each leading to the inner end of one of said cylinders, a piston working in each of said cylinders and adapted to project from the outer end of the latter into engagement with said cam track, means for bringing each of the passageways of said cylinders alternately into communication with said fluid-containing casing and with said pressure chamber, and means for throttling the flow of fluid from said pressure chamber to said fluid-containing casing and maintaining pressure behind said pistons to cause the latter to clutch said cam track.

1,567,913. END GATE. FRANK M. CHANDLER, Ottawa, W. Va., assignor of one-fourth to J. Floyd Meadows and one-fourth to Kie Anderson, both of Ottawa, W. Va. Filed June 10, 1925. Serial No. 36,284. 1 Claim. (Cl. 296—57.)



The combination with a wagon body having a pivoted end gate, of a bracket arm secured to said gate and having an angular shaped extremity, a vertically disposed lever pivoted on said extremity, said lever including a cross head, apertured keepers projecting from the sides of the wagon body beyond the gate, locking bars having their adjacent ends pivotally connected with said cross head and adapted to be simultaneously moved into and out of engagement with their respective keepers, said cross head cooperating with said bracket to limit the

swinging movement of said lever, and a resilient element arranged transversely of the gate and adapted to engage said lever to hold the latter immovable when the gate is closed.

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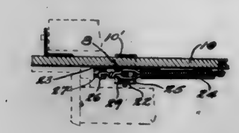
1,567,914. SHADE HANGING AND OPERATING MEANS. ARTHUR J. CLINTON, Paola, Kans., assignor of one-half to Charles W. Neisrvender, Paola, Kans. Filed Feb. 13, 1925. Serial No. 8,995. 2 Claims. (Cl. 156—27.)



2. In a device of the character described, a vertical guide rod, a supporting bar slidably associated with said guide rod, a helical tension spring having one end attached to said supporting bar, a hand lever pivoted to said supporting bar and having the other end of said spring attached thereto, and a loop formed on said other end of the spring inwardly of the lever and embracing and frictionally engaging the guide rod to releasably retain the supporting bar against movement on the guide rod.

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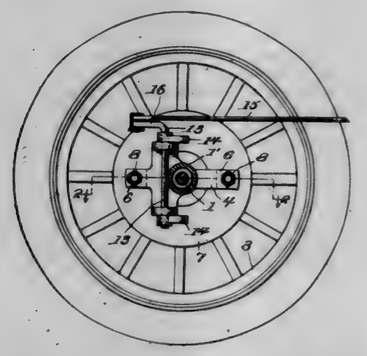
1,567,915. BRAKE. HARRY GORDON COLE, Westernport, Md. Filed Feb. 8, 1924. Serial No. 691,529. 1 Claim. (Cl. 188—71.)



A vehicle brake comprising a ring-shaped braking member surrounding the hub of a wheel, a cross piece supported by the axle housing of the wheel, a second member of ring shape, pins carried thereby and passing through the cross piece, springs on the pins for holding the second member out of engagement with the first member, parts of the cross piece engaging parts of the second member for preventing rotation of the second member and means for forcing the second member against the first member.

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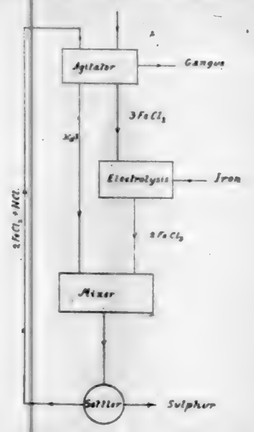
1,567,916. PROCESS FOR RECOVERING IRON AND SULPHUR FROM SULPHIDE ORES. HARTWELL CONDER, Strahan, Tasmania, Australia. Filed Mar. 20, 1923. Serial No. 626,367. 2 Claims. (Cl. 204—15.)

1. In a process for recovering iron and sulphur from sulphide ores, crushing the ore, subjecting same to heat, while in a closed retort, passing hydrogen gas in contact with the ore in said retort to convert the sulphide




ore to ferrous sulphide, recovering the sulphur from the sulphuretted hydrogen gas produced.

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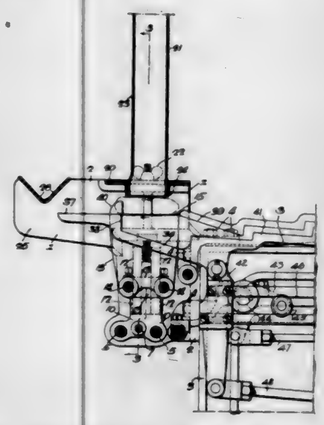
1,567,917. FEEDING MECHANISM FOR CAKE-COATING MACHINES. WILLIAM COSTELLO, Jr., Philadelphia, Pa. Filed May 15, 1923. Serial No. 639,148. 16 Claims. (Cl. 198—219.)



1. The combination with a magazine having a discharge opening, of a support spaced below said opening to which articles are adapted to pass in succession from the magazine, and a movable member adapted both to dislodge the articles from the support and to receive and lower to the support each succeeding article from the magazine.

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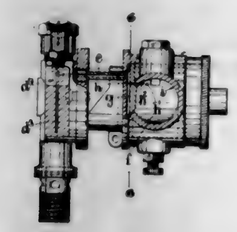
1,567,918. CARBURETOR. ARTHUR COX, Olton, near Birmingham, England. Filed Mar. 5, 1925. Serial No. 13,231. 2 Claims. (Cl. 261—41.)

1. A carburetor having a main body provided with a throttle chamber, a barrel type throttle rotatably fitted in said chamber, a primary air tube discharging into said throttle, a housing fixed on said tube, a main nozzle in said housing discharging into said tube, means for controlling the operation of the main nozzle including a rotary valve carried by the throttle, an idling nozzle in the housing, said throttle having an idling mixture discharge port and also having a passage leading to said port, an idling mixture reception chamber concentric with



the axis of the throttle and located between the end of the throttle and the throttle housing, said reception chamber communicating with said passage in the throttle, and a separate conduit having a small bore and extending between the idling nozzle and the reception chamber.

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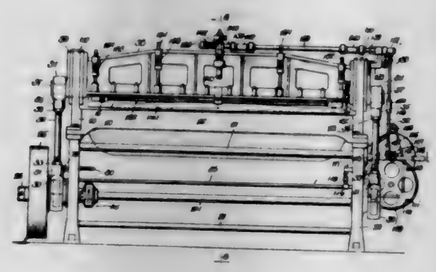
1,567,919. SHEET-CUTTING MACHINE. HARRY A. CUMFER, Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co., a Corporation of Illinois. Filed May 15, 1922. Serial No. 561,234. 11 Claims. (Cl. 164—49.)



1. A machine of the character described comprising a machine frame; a power drive shaft journaled therein; a knife frame vertically reciprocable thereon; a shearing knife carried by the knife frame; a cooperating fixed knife carried by the machine frame; an eccentric on each end of the drive shaft connected to the respective ends of the knife frame; a presser foot supported upon the knife frame; a spring, when released, to move the presser foot towards the fixed knife; means to potentiate the spring and to latch the presser foot to the knife frame; means to drive the power shaft; a clutch to connect said shaft thereto and means to initiate operation of the clutch and to unlatch the presser foot to cause the latter to move ahead of the knife.

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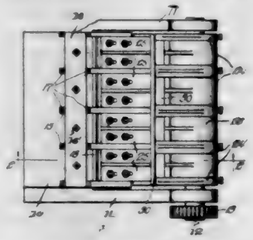
1,567,920. SHINGLE-CUTTING MACHINE. HARRY A. CUMFER, Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 7, 1924. Serial No. 730,634. 8 Claims. (Cl. 164—68.)

1. A sheet cutting machine having a series of fixed, separable, independently removable, spaced apart cutters and parallel intermediate cutters extending therebeyond to provide cutting edges on three sides of a rectangle, over which a sheet is to be fed, in combination with a



plurality of spaced apart, complementary, independently removable rotatable cutters having cutting edges on three sides of a rectangle and another rotatable cutter equal



in length to the combined width of the series of rotatable cutters aforesaid and means to rotate the rotatable cutters.

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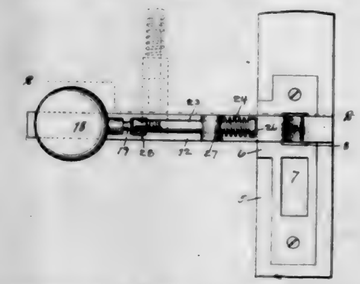
1,567,921. DOOR-FASTENING DEVICE. PIERRE TRUCOT D'ALMAFORTE, Sierre Madre, Calif. Filed June 19, 1925. Serial No. 38,314. 1 Claim. (Cl. 116—12.)



In a device of the character described, a rod adapted to have one end bent so as to engage the keeper plate of a door jamb, a pivoted member secured to said rod, a sliding member positioned in said pivoted member, an audible signal secured to said rod, a push button controlling said audible signal, said rod being capable of operating said push button, and a spring normally adapted to retain said sliding member out of contact with said push button.

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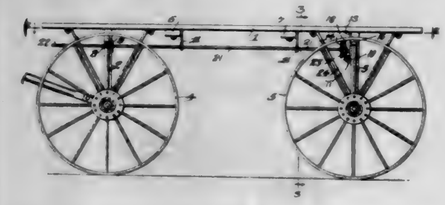
1,567,922. LOCKING ATTACHMENT OR BRAKE FOR TRUCKS. THOMAS L. DE SPAIN, Morgan, Tex., assignor of one-third to Sidney R. McMullen and one-third to Grover Y. Reed, both of Fort Worth, Tex. Filed Dec. 4, 1924. Serial No. 753,914. 1 Claim. (Cl. 188—21.)



A locking attachment for the purpose set forth comprising a hanger having the lower portion thereof offset to project forwardly, a depending hook-shaped support arranged at one side of and spaced from said hanger, a depending retaining member arranged at the other side of and spaced from said support and having its lower por-

tion formed of a closed loop of less height than the hooked portion of said support, a transversely disposed lengthwise shifting locking bar having one end mounted and vertically movable in the hooked portion of the support and its other end permanently extending through the loop of the retaining member, said bar arranged rearwardly of said hanger, an operating rod extending through said hanger and having an angle-shaped rear terminal portion engaging said bar for shifting the latter transversely to and from locking position within the support and loop when the rod is operated, and a plurality of spaced hangers arranged forwardly of the offset hanger for supporting said rod.

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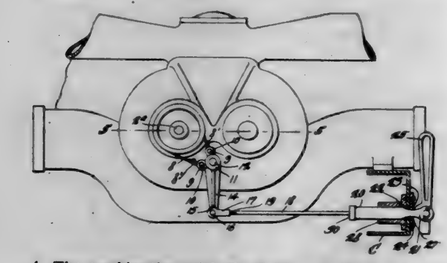
1,567,923. ROTARY GEAR PUMP. JOSEPH L. DEVON, Atlanta, Ga. Filed Feb. 14, 1925. Serial No. 9,269. 4 Claims. (Cl. 103—126.)



4. The combination with the driving and driven meshed gears of a rotary gear pump, of a braking attachment for cooperation with the driven gear.

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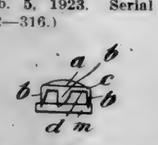
1,567,924. MEANS FOR JOINING OR PERMANENTLY FASTENING ARTICLES TOGETHER OR CLOSING THEM. THOMAS EDMUND DINGWALL, Hutton, England. Filed Feb. 5, 1923. Serial No. 617,109. 1 Claim. (Cl. 292—316.)




A seal comprising a cap having a plurality of prongs extending substantially at right angles thereto for penetration through material to which the seal may be attached, and a penetrable disc, said prong being embedded and overturned in said disc and lying intermediate the opposite faces of the disc to support the disc against said layer of material and prevent detachment of the pronged disc without mutilation of the penetratable disc.

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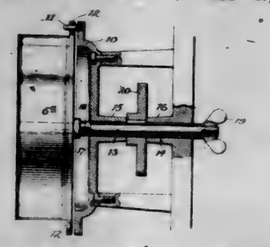
1,567,925. CLOCK MOUNTING. ROBERT P. DODDS, Troy, N. Y., assignor to W. & L. E. Gurley, Troy, N. Y., a Corporation of New York. Filed July 30, 1924. Serial No. 729,141. 10 Claims. (Cl. 234—1.)



3. In combination with a casing; a shaft extending outwardly therefrom; a clock; a tubular driving shaft forming a part of the clock mechanism, said shaft having a notch formed at its inner end; a pin extending outwardly from the first named shaft and passing into the notch; a nut mounted on the outer end of the first named shaft and bearing against the outer end of the tubular shaft; and a pin extending rearwardly from the clock and passing freely into an opening formed in the casing.

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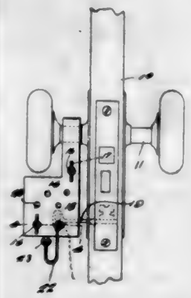
1,567,926. KEY HOLDER. ROBERT DREBLOW, Lebanon, S. Dak. Filed Mar. 14, 1925. Serial No. 15,604. 2 Claims. (Cl. 70—7.)



1. A device for holding the key in the lock of a door, said device comprising a pair of companion members of identical construction, each member being substantially of L-shaped formation, and having corresponding vertical branches designed to partly embrace the shank of the knob, from which companion members are suspended for use, means for holding the members together in operative relation, with the head of the key positioned between the members, said members having a plurality of aligned openings, one pair of which is adapted to register with the opening in the head of the key, and a locking element adapted to be passed through said openings and through said head of the key for the purpose specified.

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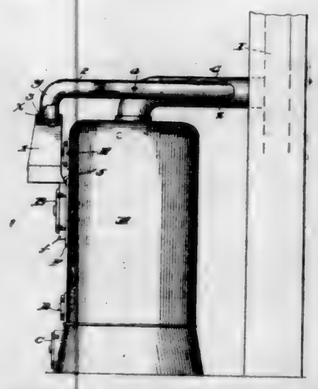
1,567,927. SMOKE AND GAS COLLECTOR FOR FURNACE DOORS. JOHN WILLIAM EBERT, Frederick, Md. Filed Feb. 4, 1925. Serial No. 6,748. 1 Claim. (Cl. 126—242.)



The combination with a furnace having a stoker door and an abutment thereon above said door, of a hood positioned in front of the furnace and above said door and having the lower rear edge thereof provided with an outwardly extending projection engaging and resting upon said abutment, said hood having an opening in the upper portion thereof, a flue being detachably inserted into said opening whereby the hood may be readily detached by lifting it from engagement with the abutment, moving the hood relative to the flue to withdraw the latter from the opening.

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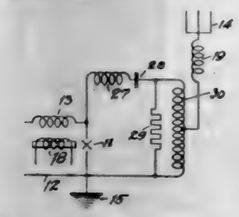
1,567,928. RADIOFREQUENCY SYSTEM. HAROLD F. ELLIOTT and JAMES ARTHUR MILLER, Palo Alto, Calif., assignors, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Jan. 9, 1922. Serial No. 527,886. 7 Claims. (Cl. 250—36.)



1. In a radio frequency electrical system, a source of high frequency oscillations, a load circuit supplied from said source, a circuit offering a path for the load current free of the source, said path serving to increase the efficiency of the source and consisting solely of impedance, and means cooperating with said impedance for preventing the flow of any local currents between the source and the path.

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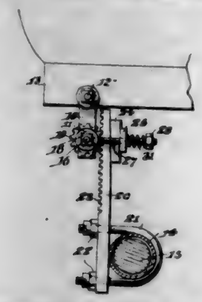
1,567,929. SHOCK ABSORBER. HORACE RAYMOND ELLIS, Meadville, Pa. Filed Nov. 19, 1924. Serial No. 750,871. 4 Claims. (Cl. 188—129.)



1. A shock absorber comprising a gear and a rack bar adapted to be attached respectively to the body and axle of a vehicle, a bearing member with which the rack bar is slidably engaged, and a spring controlled means for holding said bearing member in yieldable engagement with the rack bar.

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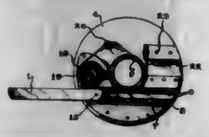
1,567,930. INTERNAL-COMBUSTION-ENGINE TIMER. FRANKLIN E. EMERT, Youngdale, Pa. Filed Aug. 1, 1924. Serial No. 729,641. 2 Claims. (Cl. 200—26.)



1. A timer comprising a rotary head, a slide bearing mounted thereon, a brush mounted in the slide bearing and longitudinally movable therein, a reel comprising a grooved pulley and connected hub, a coil spring terminally connected with the hub and a point on the head to impart rotary movement to the hub, and a strap reeled on the pulley and terminally connected with the brush, the brush at its rear end being provided with a lateral pin with which one extremity of the strap engages and the bearing being provided with a longitudinal slide slot which said pin traverses.

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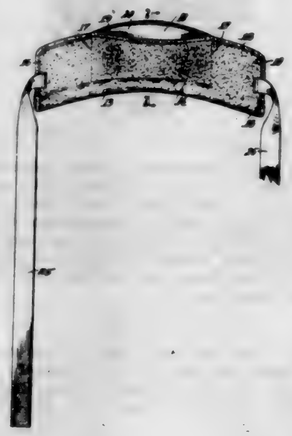
1,567,931. COMPRESS. PERCY H. EPLER, Worcester, Mass. Filed Oct. 23, 1924. Serial No. 745,514. 6 Claims. (Cl. 128—258.)



1. As an article of manufacture, a compress of the character described comprising a plurality of layers of absorbent material on one side and a rubber lining on the other side and having a longitudinal seam along the bottom and two seams extending upwardly from the ends thereof to unite the several layers of materials along said seams and form a pocket, said pocket being open at the top so as to be capable of receiving ice or water therein.

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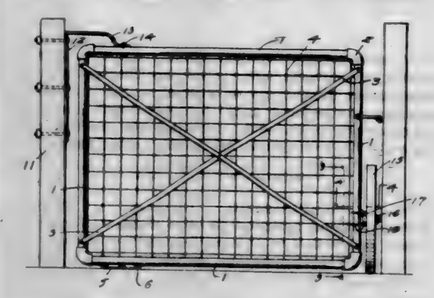
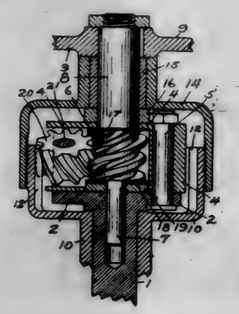
1,567,932. SAGELESS GATE. EDWARD ESCHENBACHER, Brainerd, Minn. Filed July 7, 1925. Serial No. 42,050. 3 Claims. (Cl. 39—96.)



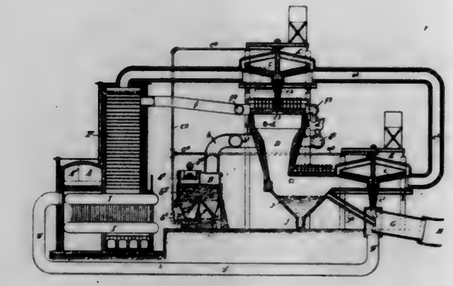
2. In a gate having top and bottom rails, an L-shaped hanger adapted to be secured to a gate post and having a downwardly bent portion pivotally engaging the top rail, and means engaging the bottom rail to support the gate.

1,567,933. STEERING-ATTACHMENT MECHANISM. CHARLES M. FAHNESTOCK, Cincinnati, Ohio. Filed Nov. 27, 1922. Serial No. 603,643. 4 Claims. (Cl. 74—34.)



1. In a combination with a motor driven vehicle, a steering wheel, a driving shaft actuated by said steering wheel, a helical driving gear on said shaft, a frame for said gear, a driven shaft in line with said driving shaft and fixed to said frame, an internal gear surrounding said frame and fixed against rotation, and helical gears mounted in said frame and meshing with said driving gear and internal gear.

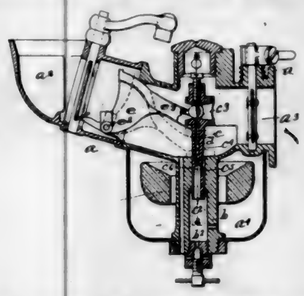
1,567,934. PROCESS AND APPARATUS FOR REDUCING ORES AND PRODUCING CEMENT. ALEXANDER FERGUSON, London, England. Filed Mar. 13, 1925. Serial No. 15,370. 8 Claims. (Cl. 75—17.)



2. A metallurgical method which comprises forming a vortex of reducing gases above melting temperature, feeding finely divided ore in a cloud to the vortex zone, depositing the reduced metal by centrifugal force upon a surrounding wall, and collecting the molten metal by gravity in a receptacle below the vortex zone.

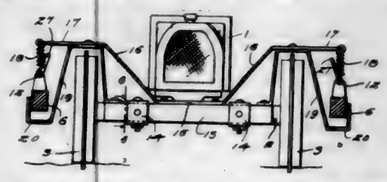
1,567,935. CARBURETOR. CHARLES A. FLEMING, Jackson, Mich., assignor, by direct and mesne assignments, of one-half to Briscoe Devices Corporation, Pontiac, Mich., a Corporation of Michigan, and one-half to Thomas D. Buick, Detroit, Mich. Filed Oct. 1, 1917. Serial No. 194,152. 1 Claim. (Cl. 261—41.)

A carburetor casing having a carbureting chamber therein and adapted to communicate with the atmosphere, a float chamber constantly in communication with the carbureting chamber and adapted to provide a constant supply of volatile fluid for engine idling purposes, a metering pin establishing communication between the float chamber and the carbureting chamber and having a groove in the wall thereof establishing an additional communication between said float chamber and said



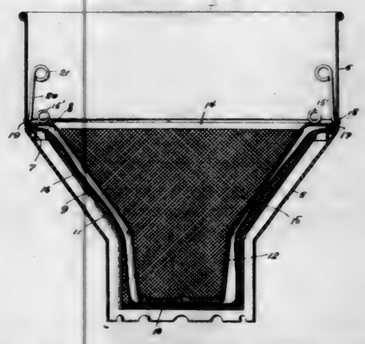
carburetor chamber for variable speeds of an engine, and means carried by said metering pin causing air to travel transversely of the direction of the flow of fuel to lift the fuel from said metering pin.

1,567,936. TRACTOR SWEEP RAKE. CLIFFORD A. FLEMING, Huntsville, Mo. Filed Mar. 13, 1924. Serial No. 699,021. 5 Claims. (Cl. 56—27.)



1. In a tractor sweep rake, a main frame enclosing the tractor and having longitudinal bars, a cross brace connected to the front axle of the tractor, inverted U-shaped standards also connected to the front axle and having stirrups partially enclosing said longitudinal bars, said longitudinal bars being yieldably supported from said cross brace, and a rake pivotally mounted on said longitudinal bars.

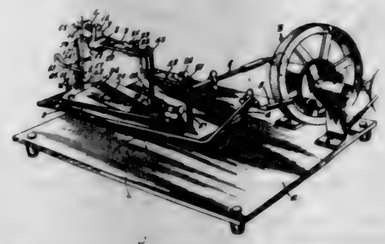
1,567,937. MILK STRAINER. WILLIAM J. GALARNEAU, Mount Vernon, Wash. Filed Oct. 13, 1924. Serial No. 743,447. 1 Claim. (Cl. 210—155.)



A funnel comprising an open ended casing, an annular flange surrounding the inner face thereof, a substantially frusto-conical wire frame removably arranged in the casing, an annular flange carried by the upper end of the frame and resting upon the flange first mentioned, a disk carried by the lower end of the frame, a foraminated element supported within the sides of the frame, a second frusto-conical frame received in the frame first mentioned and supported in spaced relation thereto, a foraminated element supported within the frame last mentioned, a resilient ring engaging the casing and adapted to clamp the frames therein, and extensions carried by the ring and terminating in finger engaging elements.

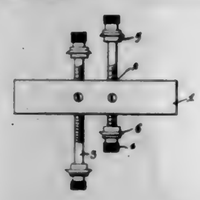


1,567,938. DENTAL ARTICULATOR. WILLIAM M. GAMBILL, Merkel, Tex. Filed Feb. 25, 1925. Serial No. 11,516. 15 Claims. (Cl. 32—1.)



1. An articulator comprising an upper articulator member provided with a socket at its outer end, a lower articulator member, a tension coupling device extending through the outer end of said lower member and slidably engaging in said socket, and an adjustable tensioning device connected with said upper member and slidably connected to said coupling device.

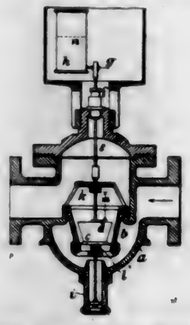
1,567,939. MARKING GAUGE. JULIUS H. GILBERT, Flint, Mich. Filed Mar. 29, 1924. Serial No. 702,948. 1 Claim. (Cl. 33—42.)



A device of the class described comprising a rectangular shaped block, the sides of which form straight edges, said block having threaded holes therein, rods having threaded portions engaging the holes so that the rods can be adjusted in the block, screws embedded in the block for holding the rods in adjusted position, a collar on the outer end of each rod, a marker disk resting against said collar and a nut on the threaded end of each rod for holding the disk in position.

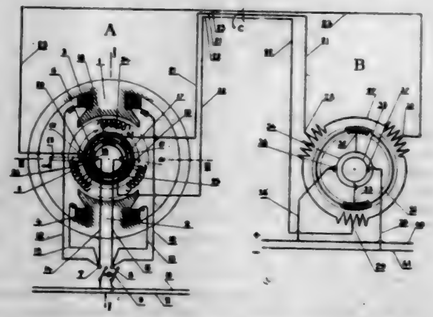
1,567,940. APPARATUS FOR MEASURING STREAMS. ANTON GRAMBERG, Frankfort-on-the-Main, Germany, assignor to Farbwerke Vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany, a Corporation of Germany. Filed Aug. 10, 1921. Serial No. 491,203. 4 Claims. (Cl. 73—167.)

1. Apparatus for measuring fluids comprising means defining a conduit, a piston valve mechanism constructed and arranged in the conduit to vary the effective cross-sectional area thereof in proportion to the volume of fluid passing per unit of time, a scale indicating mechanism associated with said scale and controlled by the movement of said piston valve, abutments at opposite sides of said piston valve making the range of movement thereof exactly equal to that required to move said indicating mechanism from the zero line to the end line of



said scale, and means operable from without the conduit to move said piston valve against the abutment which limits the opening movement thereof.

1,567,941. COMPLETE ELECTRIC DISTANT-CONTROL APPARATUS. ELIE GRANAT, Paris, France. Filed Jan. 4, 1922. Serial No. 526,903. 2 Claims. (Cl. 172—239.)

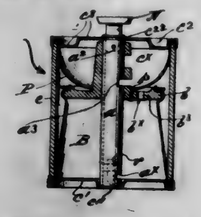



1. In a complete distant control apparatus the combination of: direct current line wires, a transmitting machine comprising a stationary field member fed by the direct current line wires and an armature, a commutator provided on said armature, fixed brushes rubbing on said commutator and fed by the direct current line wires, movable brushes rubbing on the commutator, a rotating support whereon are fixed said movable brushes, means for actuating said rotating suport, self induction coils each connected to one of the rotating brushes, transmitting line wires connected respectively to the said self induction coils, a receiving motor comprising a stator fed by the said transmitting line wires and a rotor, and a closed winding provided on the rotor and fed at two opposite points by the direct current line wires.

1,567,942. ARTICULATIVE SOUND-PRODUCING DEVICE FOR DOLLS, ETC. LEO J. GRUBMAN, New York, N. Y., assignor, by mesne assignments, to Voices, Incorporated, Newark, N. J., a Corporation of Delaware. Filed Dec. 20, 1922. Serial No. 607,931. 18 Claims. (Cl. 46—46.)

1. In an articulating device, an air chamber, a gravity movable air expelling member in said chamber, a sound producing reed through which the air is expelled, relatively fixed means with which said member coacts to control the emission of sound simulating the pronuncia-

tion of vowel letters and additional means adapted to cooperate with said fixed means for independently controlling the emission of sound in relatively different volume



from that normally emitted through said first-named means for simulating the pronunciation of consonant letters.

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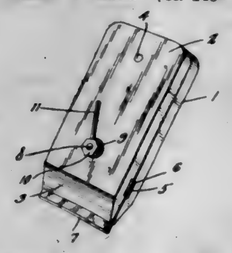
1,567,943. SCRAPING TOOL. MARTIN VAN BUREN GRUSH, Fort Wayne, Ind. Filed June 13, 1924. Serial No. 719,862. 1 Claim. (Cl. 145—47.)



The combination in a scraper, of side by side body sections having their forward ends exteriorly beveled and also having flat opposed sides to directly engage a safety razor blade and coincident cross sectional elongated recesses in said sides and spaced from said forward ends and extending throughout the width of the body sections, and forming a chamber to receive the head of a safety razor blade, a transverse pivotal connection between the sections adjacent to the rear ends thereof, a transverse headed and threaded screw extending through the sections at a point between said pivotal connections and said recesses, and a nut mounted on said screw and opposed to the outer side of one section.

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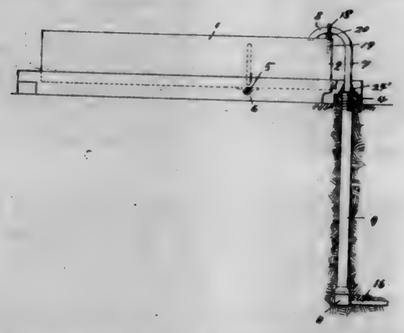
1,567,944. TROUGH. FRANKLIN NOAH GUYMON, Huntington, Utah. Filed July 10, 1925. Serial No. 42,812. 4 Claims. (Cl. 119—81.)



1. A watering trough of the character described comprising a base, a trough pivotally secured thereto adjacent one end, a vertically disposed pipe having its upper end secured to said end of the trough, means associated with the lower end of said pipe to introduce water therein for said trough upon movement of the trough in one direction.

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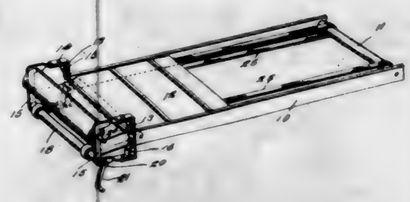
1,567,945. AGRICULTURAL MACHINE. JOHN M. HAYS, Ringwood, Okla. Filed Feb. 27, 1925. Serial No. 12,078. 4 Claims. (Cl. 198—129.)



1. In a machine of the class specified, the combination with a frame having a separable endless canvas operating around rollers mounted in said frame, of bearing brackets supporting one end of the frame, spaced rollers removably mounted in said brackets, means for pivotally mounting one of the brackets to permit of lateral swinging movement and facilitate removal and replacement of the rollers, means carried by one of the rollers for engagement with one end of the canvas, whereby the canvas may be wound upon said roller, spaced straps having one of their ends detachably engaged with and adapted to be wound upon the other bracket roller, means providing a detachable connection between the other ends of the straps and one end of the canvas to guide the latter around the table rollers when the strap wound roller is rotated and means to rotate the rollers.

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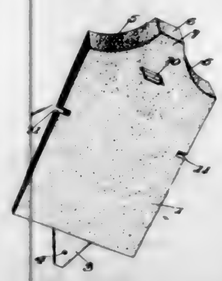
1,567,946. CONCRETE SHINGLE. CHARLES F. HELFLINGER, Hobart, Wash. Filed Aug. 17, 1925. Serial No. 50,777. 7 Claims. (Cl. 108—8.)



2. A shingle having transversely alined notches in the side edges thereof and an attaching member secured to the under face of the shingle midway between the side edges of the shingle and depending substantially at right angles to the lower face of the shingle, as and for the purposes described.

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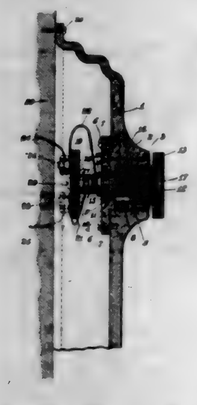
1,567,947. ELECTRIC PUSH BUTTON. STEWART H. HEMPHILL, New York, N. Y. Filed May 2, 1922. Serial No. 558,007. 5 Claims. (Cl. 200—159.)

1. An electric push button comprising, in combination, a supporting casing having an opening therein and a push button positioned within said opening and secured to the under side of said casing, said push button including a holder having a plural diameter bore, a base plate mounted on said holder in spaced relation thereto, contact members on said base plate, and a body having





inner and outer enlarged portions reciprocable in said plural diameter bore to make and break contact between said contact members.

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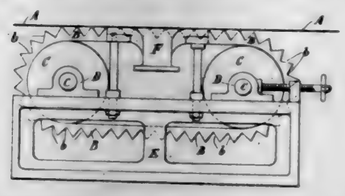
1,567,948. PAPER-MAKING AND OTHER MACHINE WHEREIN SUCTION IS TO BE USED. ROLAND BLYTH HEYS, Bristol, England, assignor to St. Anne's Board Mill Company Limited, Bristol, England. Filed Feb. 28, 1925. Serial No. 12,330. 4 Claims. (Cl. 92—52.)



4. Apparatus for withdrawing by suction moisture from wet material carried on a traveling wire, said apparatus comprising a rotatable roller carried upon its periphery a band having grooves transversely to the line of travel, the open ends of which come successively opposite to the mouth of a passage, leading to a suction device, so that, at that portion of the travel, air and moisture is drawn through said material and wire into said grooves, or channels, as they successively come into communication with the passage, leading to said suction device, substantially as hereinbefore described.

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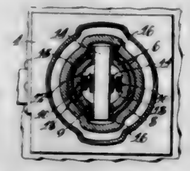
1,567,949. INTERNAL-COMBUSTION ENGINE. LEONARD V. HOSFORD and DAVID DAVISON, Portland, Oreg., assignors, by mesne assignments, to Hosford Motor Construction Co., a Corporation of Oregon. Filed Dec. 22, 1924. Serial No. 757,444. 3 Claims. (Cl. 123—74.)

2. An internal combustion engine wherein is provided a crank case, a crank shaft, a cylinder secured to the crank case; a stationary piston secured at its lower end to the cylinder base; a reciprocating piston fitted over the stationary piston and within the cylinder, said stationary piston having a pair of diametrically opposite slots and a pair of diametrically opposite inward projections constituting vertical slideways, the slideways being positioned at approximately right angles to the slots, a cross head having slippers mounted in said stationary piston in cooperation with said slideways, a connecting rod and wrist pin joining the cross head with the crank shaft, a



pin carried by the cross head and projecting through said slots with its ends mounted in bosses on the reciprocating piston, said slippers having faces of friction reducing bearing metal.

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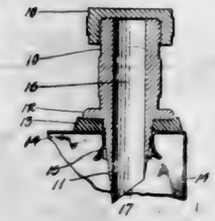
1,567,950. COMBINATION CAN OPENER AND SEALER. CLIFFORD G. HUGHES, Elwood, Ind., assignor of one-half to Oliver B. Frazier, Elwood, Ind. Filed Aug. 14, 1925. Serial No. 50,326. 2 Claims. (Cl. 221—23.)



2. A combined can opening and sealing device comprising a hollow body having a sharp end with a tapered threaded portion adjacent said end the threads on said tapered portion increasing in pitch with the diameter of the tapered portion, substantially as set forth.

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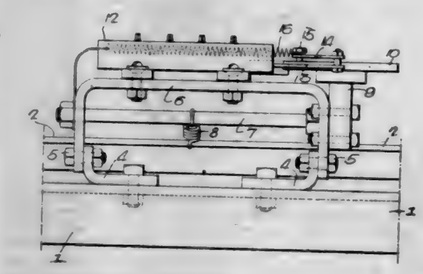
1,567,951. COUNTING MACHINE. HENRY IEPSON, Philadelphia, Pa., assignor to Abbotts Alderney Dairies Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 5, 1922. Serial No. 605,117. 3 Claims. (Cl. 235—91.)

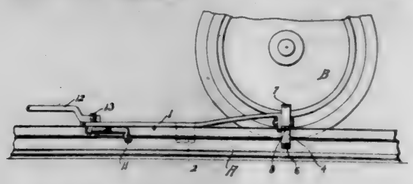


1. The combination in a conveying device, of means for registering the number of articles carried thereby, the said means comprising a counting wheel adapted to engage the said articles and to be moved by each of them through approximately one revolution, a device for registering each complete revolution of the wheel, and means for additionally moving the wheel after each engagement with an article to cause it to assume a position exactly corresponding to one complete revolution.

1,567,952. PISTON RING. VICTOR A. JAMES, Tampa, Fla. Filed Nov. 16, 1920, Serial No. 424,402. Renewed June 6, 1922. Serial No. 566,265. 3 Claims. (Cl. 74—109.)

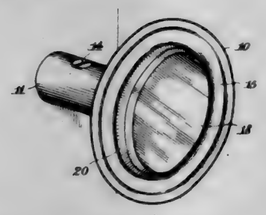
1. A piston ring formed of a plurality of superimposed split rings having their opposed edges formed with a number of inclined surfaces, the inclined surface of one ring being disposed opposite to that of the other ring, whereby relative rotary movement of the rings will increase their combined width and a spring located between the rings for forcing the latter to move in opposite rotary directions.

1,567,953. WHEEL HOLDER. RALPH E. JONES, Troy, Mont. Filed Oct. 18, 1924. Serial No. 744,451. 1 Claim. (Cl. 188—45.)



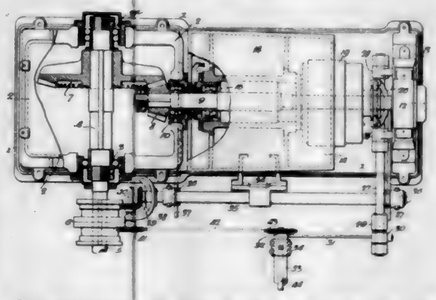
A wheel clamp comprising a supporting member having a hook thereon for engaging a rail, a dog pivoted to the supporting member and having a hooked part for engaging a part of the rail and a toothed part for engaging a part of the wheel, a lever pivoted to a part of the plate and having a curved part for engaging a part of the rail and having a hooked part for engaging one edge of the tread of the rail.

1,567,954. DOORKNOB. SAMUEL KALM, Brooklyn, N. Y., assignor to J. Chesler Sons Co., a Copartnership, Brooklyn, N. Y., composed of Nathan Chesler, Samuel Kalm, Reuben Chesler, and Abraham Chesler. Filed Aug. 9, 1924. Serial No. 731,144. 1 Claim. (Cl. 292—347.)



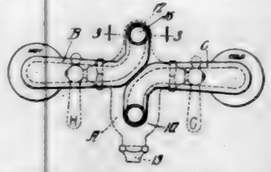
As an article of manufacture, a door knob comprising a shell having an opening at the front thereof and having an inwardly directed annular flange at said front, said flange presenting a radial seat, and a neck directed radially inward from said seat; together with an ornamental central assemblage comprising an ornament and a frame therefor, said frame presenting a radial zone contacting with said seat, as well as means at the outer edge of said radial zone for clamping said ornament in position, the frame including an inwardly directed tubular neck at the inner side of the frame, said neck on the frame fitting within the neck of the flange on the shell, and coacting means on the respective necks of said frame and said flange to effect snapped engagement between said necks.

1,567,955. DRIVE STAND. CONRAD J. KERN, Philadelphia, Pa., assignor to The Moore & White Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 9, 1924. Serial No. 731,195. 1 Claim. (Cl. 74—7.)



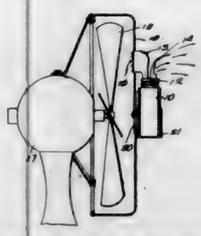
The combination in a drive stand for paper and like machinery of a base; a housing; a transverse shaft mounted in bearings in the housing; a longitudinal shaft having one bearing in the housing; a pedestal supported in the opposite end of the shaft; a long cone pulley loosely mounted on the shaft; ball bearings between the pulley and the shaft; clutch mechanism arranged to couple the shaft and the cone pulley; means for actuating the clutch; a belt shifter arranged to shift a belt on the cone pulley; a hollow shaft for operating the clutch; and a shaft extending through the hollow shaft for operating the belt shifter.

1,567,956. COMBINATION-FAUCET CONNECTION. SAMUEL KERSTEN, Chicago, Ill. Filed Nov. 12, 1923. Serial No. 674,269. 6 Claims. (Cl. 137—75.)



1. In a combination faucet connection of the character described, a combination faucet having two rearwardly extending inlets for connecting with corresponding outlets of supply pipes, and interchangeable right and left reversible connections for interconnecting either inlet and either supply pipe whether the supply pipes correspond with or are in positions reversed relative to the inlets.

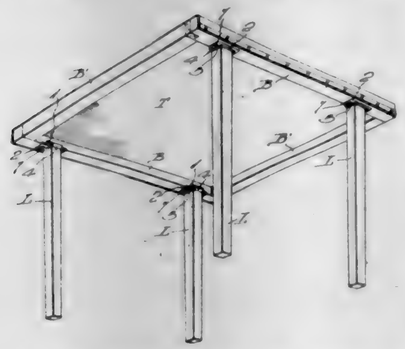
1,567,957. LIQUID VAPORIZER AND DISTRIBUTOR. MICHAEL B. KESSELMAN, New York, N. Y. Filed Jan. 18, 1924. Serial No. 687,146. 3 Claims. (Cl. 261—30.)



1. A liquid vaporizer and distributor adapted to be connected to an electric fan, comprising a receptacle having an open top, a cover removably connected to the top, said cover having an air inlet adapted to receive air blown from the fan discharging downwardly into the receptacle, and an air outlet discharging upwardly from the receptacle, and a wind wheel in said inlet.



1,567,958. FOLDABLE TABLE. CARL REINHOLDT KOSITZKY, Bismarck, N. Dak. Filed Apr. 13, 1925 Serial No. 22,816. 2 Claims. (Cl. 45—48.)



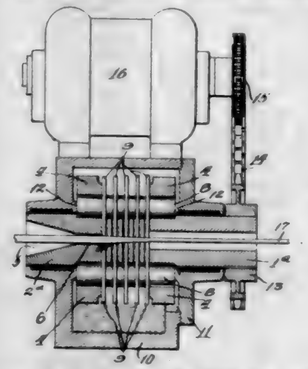
1. A table comprising a top having a horizontal bar at its lower side, said bar having a recess which opens through its lower side and through one of its vertical edges, a horizontal plate secured to said lower side of the bar and spanning said recess, a second plate bent substantially upon itself to provide an attaching base and an overhanging tongue adapted to frictionally engage the lower and upper sides of the first named plate respectively, and a leg to which said attaching base is secured.

1,567,959. FIRE EXTINGUISHER. FRIEDRICH EMIL KRAUSS, Schwarzenberg, Germany. Filed May 4, 1923. Serial No. 636,749. 1 Claim. (Cl. 169—31.)

A reserve charge receptacle for fire extinguishers, comprising a closed container having a screw-threaded filling opening for the extinction liquid, a pressure cartridge insertable in said opening and having a screw-threaded head for cooperating therewith and forming the closure therefor, and a safety blow-off in a wall of the container positioned to drain the container on the occurrence of a predetermined pressure therein, as described.

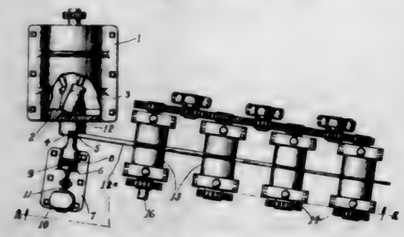
1,567,960. WIRE POINTER. JOHN W. LAUREN, Sterling, Ill. Filed July 10, 1922. Serial No. 573,851. 3 Claims. (Cl. 80—22.)

1. In a wire pointing machine, a housing having end journal bearings and a lubricant chamber, a rotor having hollow end journals mounted in said bearings, said rotor having radially extending arms, shafts journalled



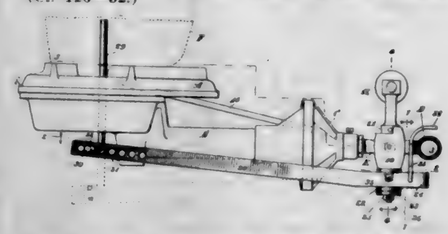
in said arms, disk rollers secured upon said shafts and adapted for passing through the lubricant in said chamber and means for rotating said rotor.

1,567,961. APPARATUS FOR PRODUCING ELONGATED METAL FORMS. JOHN W. LAUREN, Sterling, Ill. Filed July 15, 1922. Serial No. 575,268. 8 Claims. (Cl. 80—8.)



6. In a wire making machine, mechanism for axially piercing a billet, rotary cutters arranged obliquely to the axis of said mechanism for spirally cutting the billet and mechanism for reducing and finishing the cut spirals.

1,567,962. GAS LIGHTER. CLAIRE MELVIN LEE, Elyria, Ohio. Filed Jan. 2, 1925. Serial No. 251. 1 Claim. (Cl. 126—52.)



A gas lighting attachment for gas stoves, said attachment comprising a lever, a member on said lever adapted to be projected through a gas burner to be depressed by a vessel when the latter is placed on the burner, a gas supply pipe to direct gas to the burner, a gas cock in said supply pipe, means to fulcrum said lever adjacent said cock, said cock having a turnable plug formed with a transverse bore adapted to be brought into or out of register with a supply pipe by turning the plug and having also a slot communicating with

the transverse bore, a pilot light tube extending longitudinally at a side of said lever, said plug having an axial bore communicating with said transverse bore and the body of the cock, having a main gas outlet brought into or out of communication with the transverse bore by the turning of the cock plug, as well as an outlet to said pilot light tube, the turning of the plug serving also to bring the slot thereof into or out of register with the outlet to the pilot light tube, a valve longitudinally movable in said axial bore to close the transverse bore against the flow of gas therethrough, and a connection between said lever and said valve to move the valve to open position and permit flow of gas through the transverse bore when the lever is depressed.

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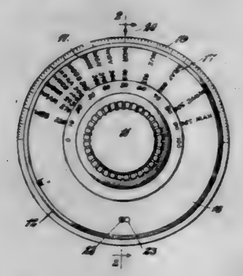
1,567,963. RADIODIAL. JOSEPH LUPO, Jr., New York, N. Y. Filed Apr. 15, 1925. Serial No. 23,295. 1 Claim. (Cl. 116—133.)



As a new article of manufacture a radio dial including a knob and an integral flange having an annular groove in the outer face thereof of dove-tail shape in cross section for the reception of an annular disk constituting an indicia bearing element.

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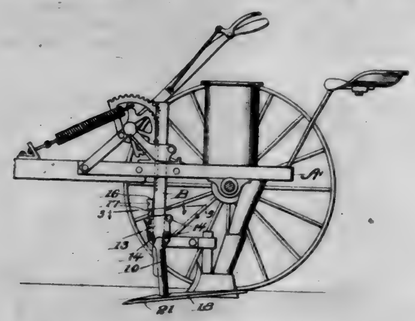
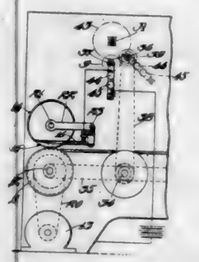
1,567,964. PLOW. JAMES J. MCCASLAND, Haskell, Tex. Filed Jan. 8, 1923. Serial No. 611,351. 3 Claims. (Cl. 97—207.)



3. A plow attachment for a riding planter comprising a pair of curved foot pieces formed at their lower ends with lateral outwardly extending ears and formed at their upper ends with plate portions disposable against opposite sides of the shank of the riding planter, rearwardly diverging plow blades adjustably bolted onto said ears, and bolts passing through said plate portions at the front and rear sides of the shank, and a wedge disposed against the front of the shank and provided with transverse notches within a selected one of which may be engaged the uppermost one of said bolts whereby to tilt the foot pieces and consequently the blades.

1,567,965. LEATHER-MEASURING MACHINE. ROBERT J. MCFALL, Amherst, Mass. Filed Dec. 2, 1921, Serial No. 519,501. Renewed June 1, 1925. 22 Claims. (Cl. 33—123.)



1. In a leather measuring machine, a bed member, a feed wheel co-operating therewith, said feed wheel having an annular projecting member, a contact mechanism actuated upon the passage of leather through the machine, and a contact carrier therefor, said carrier contacting with said annular member so that bodily movement of the feed wheel will move the contact carrier relatively to the bed member.

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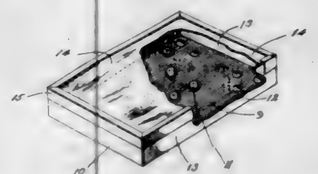
1,567,966. PUZZLE GAME. ANDREW MCKENZIE, South Warren, R. I. Filed Jan. 14, 1925. Serial No. 2,426. 1 Claim. (Cl. 273—115.)



A game device comprising a rectangular tray having a group of depressions in the bottom and adjacent its corners, each group of depressions having a destinctive insignia in contradistinction to all of the other of the groups, spherical bodies of a number equal to the sum total of all of the depressions, each spherical body having thereon an insignia corresponding to the insignia of one of the groups of depressions.

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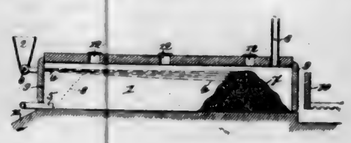
1,567,967. PROCESS OF GASIFYING AND CARBONIZING COAL AND LIKE FUEL SUBSTANCES. HENRI MACAUX, Paris, France, assignor to Societe Lyonnaise des Eaux et de l'Eclairage, Paris, France. Filed Oct. 3, 1922. Serial No. 592,076. 1 Claim. (Cl. 202—8.)



A process for the gasifying of coal and like fuel, which consists in the continuous insufflation of finely divided coal into chambers heated to redness, in the simultaneous injection into these chambers during the whole time the process is carried out, of a supplementary gas containing hydrogen and in such a proportion that the partial tension of the hydrogen shall be constantly maintained at a higher degree than the tension which would result from the disassociation of the hydrocarbons contained in the coal and disengaged by the pyrolytic decomposition of the coal, and in evacuating the gases produced without allowing the same to traverse a layer of red hot coke, for the purposes set forth.



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1,567,968. METAL FLOAT. CLYDE C. MANCHESTER, Toledo, Ohio, assignor to The Ayling & Reichert Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 23, 1925. Serial No. 17,468. 4 Claims. (Cl. 137—104.)

1. The method of securing a spud to a thin metal float, which consists in forming the float with an inwardly flanged aperture of a dimension to closely fit the spud, placing a heavy washer around said flanged aperture, inserting the spud into said aperture, centering a circular riveting tool upon the inner face of the spud, the cutting edge of said tool being of a diameter slightly less than the diameter of the inner surface of the spud, and applying force to the tool to form the outer wall of the spud into an annular flange and to press said wall outwardly against the said washer with the flanged metal of the float compressed therebetween.

4. In a metal float, an attachment plug located in a hole in the float shell, means forming a stop against inward motion of the plug and a peripheral flange on the plug gripping the float wall around said hole, said plug having an axial socket extending from the outer surface inwardly to a point short of the inner end of the plug but beyond the base of said peripheral flange.

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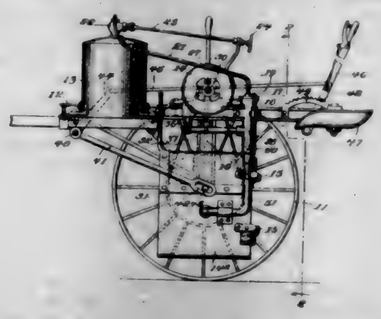
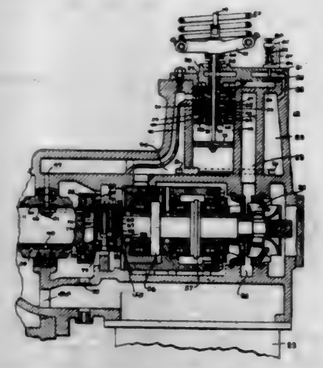
1,567,969. INSECT EXTERMINATOR. AUGUST MAREK, Yoakum, Tex. Filed Apr. 15, 1925. Serial No. 23,387. 7 Claims. (Cl. 43—132.)



3. A machine of the character described comprising a wheeled frame adapted to pass over a row of plants, a plant receiving frame depending therefrom, air tubes supported by the second mentioned frame and having their lower extremities extended inwardly to direct the air within the frame, an injector tube associated with each air tube, and means for heating the air within each tube for the purpose specified.



1,567,970. GOVERNOR. ROLAND MARSLAND, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 20, 1924. Serial No. 694,141. 1 Claim. (Cl. 264—14.)



The combination with a turbine having an admission valve and a rotor shaft, a lever connected to the admission valve, a spring tending to move the lever in one direction to close the admission valve, a stem carried by the lever, a piston carried by the lower end of the stem, a cylinder for the piston, means driven by the shaft for developing fluid under pressure, a valve for controlling the admission and exhaust under pressure to one side of said piston, a piston carried by said valve and having its upper end bearing against said spring, means for normally applying pressure of fluid developed by said pressure-developing means to the face of said piston connected to the valve and which is opposite to the spring, and centrifugal means carried by the shaft for relieving pressure of fluid applied to said piston.

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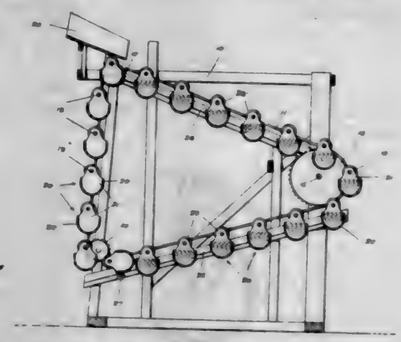
1,567,971. WATER MOTOR. CELLIE MARCEL MARTIN, Hoges Store, and McKenzie Arnn, Roanoke, Va. Filed June 21, 1924. Serial No. 721,595. 1 Claim. (Cl. 253—21.)



A water motor comprising a frame, sprocket wheels mounted in the frame, sprocket chains trained around said sprocket wheels, transverse shafts carried by said chains, buckets suspended from said shafts between the chains, said sprocket wheels and chains being arranged to form a triangle so that the chains have upper and lower reversely inclined runs movable downwardly and a substantially vertical run movable upwardly, means for delivering water into the buckets after they reach the upper end of the vertical run so that the filled buckets move downwardly along said reversely inclined runs.

rollers on said shafts, upper and lower reversely inclined rail at the upper and lower runs of the chains on which said rollers travel along said upper and lower runs, and a tripping roller at the lower ends of the lower rails over which the buckets are tilted and emptied before moving upwardly along the vertical run.

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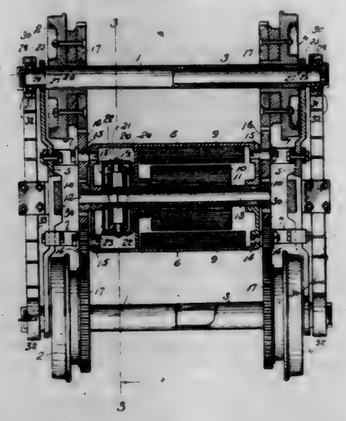
1,567,972. VEHICLE DRIVING MECHANISM. EDWARD S. MEEHAN, Kansas City, Mo. Filed Feb. 4, 1924. Serial No. 690,461. 9 Claims. (Cl. 105—97.)



1. In a vehicle driving mechanism, two pairs of carrying wheels, the wheels of each pair being disposed one ahead of the other, two axles respectively secured to and rotatable with the wheels of one pair, two sleeves respectively rotatable on said axles and respectively secured to and rotatable with the wheels of the other pair, a frame carried by said axles, a motor carried by said frame having a driving shaft, and means including differential gearing for effecting driving relationship between the driving shaft and said carrying wheels, and by which the wheels of one pair are differentially driven relatively to the wheels of the other pair.

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1,567,973. PNEUMATIC FIGURE TOY. ABRAHAM A. MENDELSON, Philadelphia, Pa. Filed June 15, 1925. Serial No. 37,134. 2 Claims. (Cl. 46—40.)

1. A toy of the class described comprising a hollow compressible body having an opening in the wall thereof, a sleeve inserted within the body through the opening and securely held to the body, a pliable tube having an open end portion disposed over the sleeve and frictionally engaged therewith, the opposite end of the tube being closed, and an object carried by said closed end portion of the tube, said tube and object being projected or withdrawn upon contraction or expansion of the hollow body.

1,567,974. TREATMENT OF PYORRHEA. CHARLES WESLEY MONROE, Parkersburg, W. Va. Filed June 1, 1923, Serial No. 642,861. Renewed May 12, 1925. 3 Claims. (Cl. 167—9.)

2. A method of treating Riggs' disease which comprises applying to the gums and affected parts, non-poisonous solution containing sodium iodide.

3. A medicinal preparation, adapted for the treatment of pyorrhea, containing a solution of a non-poisonous iodide of an alkali-forming metal, and a digestive enzyme.

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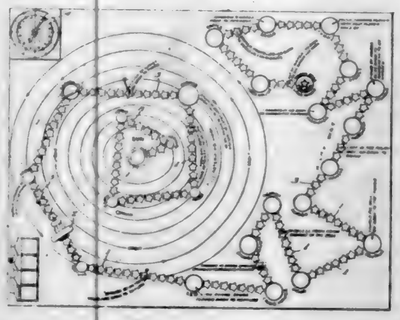
1,567,975. GAME. CHARLES S. MUIR, Chevy Chase, Md. Filed Mar. 28, 1924. Serial No. 702,594. 3 Claims. (Cl. 273—134.)



2. An astronomical game including a diagram of celestial bodies and orbits around the sun with planets in their respective orbits with definite relation to their distances from the sun, a movable object adapted to move from one planet to another, means for indicating the move of said object with respect to the various celestial bodies indicated on the diagram, and indications at definite points among the celestial bodies of the move to make, whether forward, or backward, or a standstill when a certain predetermined celestial body shall have been reached by the move indicated.

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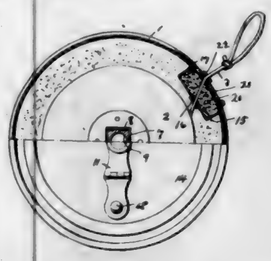
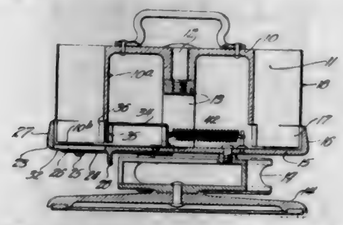
1,567,976. CHALK-LINE HOLDER. JESSE C. MYERS, York, Pa. Filed Feb. 27, 1925. Serial No. 12,143. 2 Claims. (Cl. 33—87.)



1. A chalk line holder comprising a casing for containing loose chalk, a reel rotatably mounted in the casing, said casing having an opening in its edge, a holder within the casing and connected with a portion of the inner wall thereof and with the interior of which the opening communicates, a flap hinged to the exterior of the casing for covering the opening, said flap and the holder having holes therein through which a chalk line carried by the reel passes and packing material placed in the holder for serving to place the line under tension and to prevent the chalk from escaping through the opening.



1,567,977. DISPENSING DEVICE. EDWIN V. NESSLING, Chicago, Ill., and ROGERS M. WARWICK, Eastlake, Fla.; said Nessling assignor to said Warwick. Filed July 14, 1921. Serial No. 484,601. 10 Claims. (Cl. 133—5.)



6. A dispensing device comprising a container for the articles to be dispensed, and means for discharging a definite number of the articles from the container, the means comprising a slide, a pair of plates pivotally secured to the slide, and means for displacing the pair of plates.

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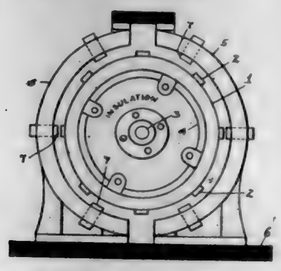
1,567,978. ROTARY SPARK GAP. FRED G. NIECE, Cleveland, Ohio. Filed Mar. 24, 1920. Serial No. 368,393. 2 Claims. (Cl. 250—38.)



1. In a device of the character described, the combination of a plurality of pairs of stationarily supported electrodes disposed in equidistantly spaced circular relation; and a plurality of pairs of rotatably supported electrodes disposed in equidistantly spaced circular relation, said stationary set comprising an odd number of pairs of electrodes, oppositely lying electrodes being of opposite sign, and said rotatable set comprising an even number of pairs of electrodes all electrically connected together.

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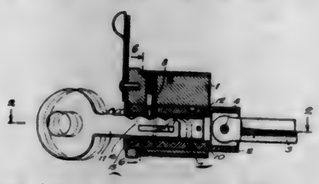
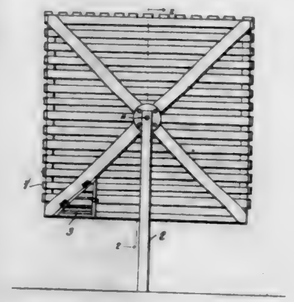
1,567,979. LOCK. CHARLES EDGAR NORTHROP, deceased, late of Orion, Mich., by Clara L. Northrop administratrix, Orion, Mich. Filed Jan. 26, 1924. Serial No. 688,820. 7 Claims. (Cl. 70—46.)



1. A lock and key comprising a barrel, a rotatable cylinder arranged in said barrel, a plurality of tumblers projecting from the barrel into the cylinder, a pin carried by the cylinder and projecting into the barrel, and a key formed with means for simultaneously moving said pin and tumblers to an inoperative position whereby the cylinder may be rotated.

1,567,980. MEANS FOR DISCOURAGING A HEN FROM BROODING. CLAUDE E. OYLEAR, Epworth, Mo. Filed Mar. 21, 1924. Serial No. 700,844. 2 Claims. (Cl. 119—97.)



1. Means for breaking up the inclination of a hen to brood, the same consisting of a coop pivoted to rotate about a horizontal axis and normally balanced so as to rest with its bottom parallel with the ground.

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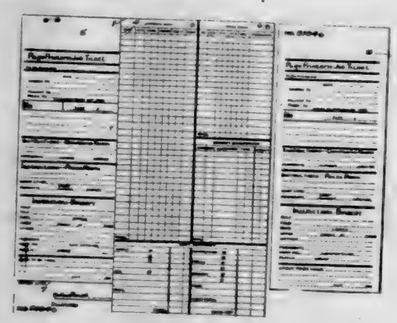
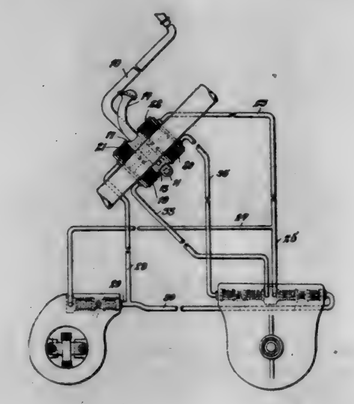
1,567,981. RECORDING SYSTEM. CYRIL D. PAGE and FRANK A. BEHOUNEK, Grand Forks, N. Dak. Filed May 9, 1924. Serial No. 712,084. 1 Claim. (Cl. 283—66.)



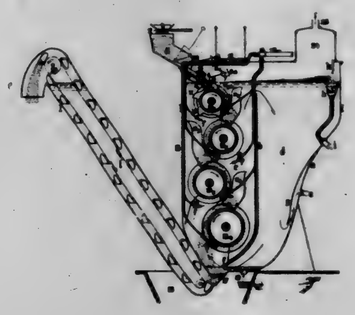
In a recording system, a main sheet, a secondary sheet of less width and length than the main sheet, said main sheet having a vertical line produced on a face thereof at a distance from the lateral edge of the main sheet equal to the width of the secondary sheet, said vertical line extending the full length of the main sheet, said main sheet having a transverse line extending from said one lateral edge to said vertical line and located at a distance from the upper edge of the sheet equal to the length of said secondary sheet, whereby a space will be defined on said main sheet coextensive in area with said secondary sheet, said secondary sheet and said space having identical lines and indicia produced thereon to adapt said space for use as an order blank and said secondary sheet for use as a job sheet, said main sheet having other lines, columns and indicia produced on the face thereof between said vertical line and the second lateral edge of the main sheet to adapt said main sheet for use as a summary sheet, said main sheet also having a space below said transverse line and having produced in said last named space indicia identical with indicia on the job sheet at the upper end of the latter.

1,567,982. BRAKE MECHANISM FOR AUTOMOBILES. ISADORE FRANCIS PFEIFFER, Altoona, Pa. Filed Dec. 24, 1924. Serial No. 757,804. 2 Claims. (Cl. 188—152.)



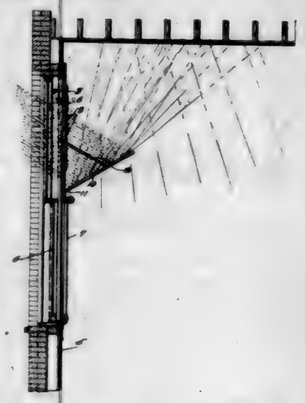
1. A brake mechanism for automobiles having brake devices on all four wheels, which comprises fluid means for operating service brakes on each of the wheels, fluid means for operating emergency brakes on each of the rear wheels, a brake pedal for operating the service brakes through one of said fluid means, an emergency lever for operating the emergency brakes through the other fluid means, said fluid means being independent of each other, and means associated with the pedal and the lever permitting the independent operation of the pedal but causing the operation of the pedal whenever the lever is operated.

1,567,983. APPARATUS FOR SEPARATING AND EXTRACTING MINERAL OILS FROM OILY SAND, BITUMEN FROM OILY CHALK, OILY SLATE, COAL, ETC. HEINRICH PRELLER, Berlin-Friedenau, Germany. Filed Dec. 9, 1922. Serial No. 605,997. 7 Claims. (Cl. 196—14.)



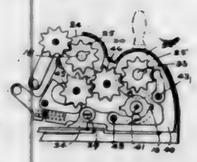
1. In a device for recovering mineral oils and bitumens from substances containing the same, a reservoir adapted to contain a treating liquid, a set of drums in said reservoir, the alternate drums of said set being rotatable in opposite directions whereby the material undergoing treatment advances in a zigzag path.

1,567,984. LIGHT DEFLECTOR. FRANK K. REID, Alva, Okla. Filed Feb. 19, 1925. Serial No. 10,355. 1 Claim. (Cl. 88—57.5.)



The combination with a structure having a window, of a reflecting glass arranged at one side of the window and capable of being arranged at any desired angle to reflect sun rays onto the ceiling of a room, means for supporting the reflecting mirror at various angles, such means including a vertically arranged casing having a longitudinal slot and a series of transverse seats, a link connected with the mirror and having one end passed into the slot and a pin carried by the link and engageable with any one of the seats.

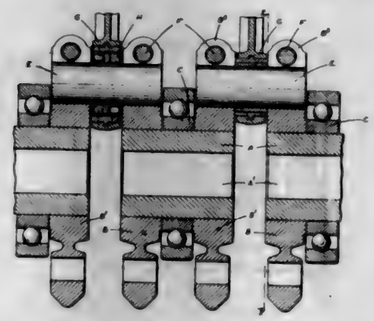
1,567,985. CALCULATING MACHINE. ALEXANDER REISSER, Modling, Austria, assignor, by mesne assignments, to Aktiebolaget Calculus, Stockholm, Sweden. Filed June 29, 1920. Serial No. 392,887. 2 Claims. (Cl. 235—140.)



1. A calculating machine of the character described comprising in combination, main driving mechanism, a totalizing counter including a shaft and numeral wheels on the shaft and a transfer mechanism comprising toothed wheels secured to the numeral wheels, another shaft parallel with the shaft of the numeral wheels and continuously operated from the driving mechanism, a plurality of toothed discs slidably arranged on the last mentioned shaft and adapted to engage the toothed wheels for transferring the tens of each wheel of the totalizing counter to the wheel of the next order, and each of said discs being adapted to be operated by the coresponding numeral wheel so as to be moved to the operative position upon the numeral wheel passing to zero position, each of said toothed discs being provided in its hub with a groove and a locking device being provided for each toothed disc consisting of a spring pawl adapted to engage in the groove of the disc upon the lateral displacement of the latter in such a manner as to hold the disc in the corresponding position until the tens-transfer operation is completed, when it is released and returned laterally to normal position by the action of the spring, substantially as described.

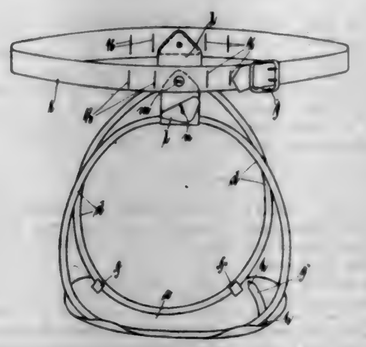


1,567,986. CRANK SHAFT. HARRY RALPH RICARDO, London, England. Filed Dec. 8, 1922. Serial No. 605,675. 1 Claim. (Cl. 74—38.)



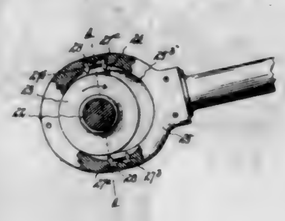
A built-up crank shaft comprising a plurality of aligned shaft sections having smooth cylindrical bearing surfaces at their ends respectively, a flat metallic web member at each end of each shaft section provided with two cylindrical apertures extending therethrough, the axes of said apertures being parallel, one aperture of each web having a continuous cylindrical wall shrunk on to the cylindrical end bearing surface of the corresponding shaft section, and the other aperture of each web constituting a crank pin aperture having a relatively thin wall slotted in such manner that the diameter of the aperture may be reduced by bolts or clamps, crank pins extending parallel to the shaft axis and having smooth cylindrical outer surfaces, the ends of said crank pins lying within the aligned crank pin apertures of two adjacent web members, and a clamping bolt associated with each web by means of which each crank pin aperture is reduced in diameter to tightly clamp the corresponding crank pin end, the clamping bolt being adapted to be readily loosened to permit individual removal of the crank pins.

1,567,987. CATAMENIAL BANDAGE. HARRY EWART WRIGHT, Penarth, Wales. Filed Dec. 13, 1923. Serial No. 680,321. 1 Claim. (Cl. 128—289.)



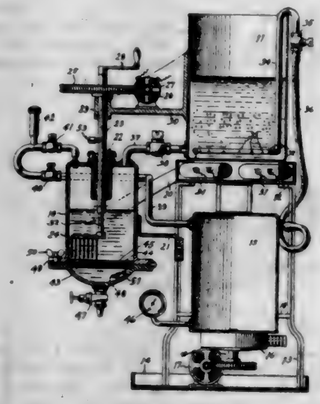
A catamenial bandage comprising two endless tubular supporting bands of elastic and non-absorbent material of substantially circular cross section and comparatively large diameter adapted to be connected to a waist belt and an elongated container of elastic waterproof and non-absorbent material having a pair of side walls of undulatory formation at their upper edges whereby the container is of reduced width at the middle of its length and wide at its end portions, the wide end portions forming flaps which are folded over and secured to the supporting bands and the intermediate portions of the upper edges between the flaps conforming to the curvature of the supporting bands.

1,567,988. OPERATING MECHANISM FOR SLIDE VALVES. URBAN S. ALSBURR, Towson, Md. Filed Jan 22, 1925. Serial No. 4,124. 5 Claims. (Cl. 74—14.)



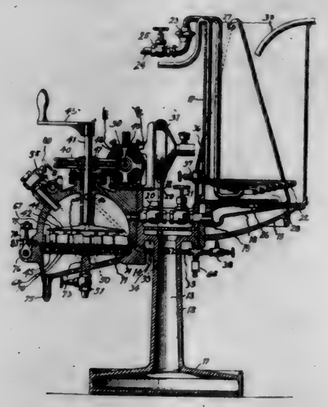
3. A cam device for imparting an intermittent reciprocating motion from a revolving shaft comprising a wheel having a tappet projecting therefrom, a yoke member having an elliptical-shaped recess therein to receive the wheel upon which said yoke-member is mounted to have a reciprocating motion, and spring-actuated dogs in opposite walls of the recess at opposite sides of the transverse diameter of said recess for engagement of the tappet to move the yoke member in opposite directions.

1,567,989. FILTER FOR RECLAIMING CRANK-CASE OIL AND OTHER MINERAL OILS AND ANIMAL FATS. JOHN V. APABLASA, Los Angeles, Calif., assignor to Charles C. Apablasa, Los Angeles, Calif. Filed Oct. 18, 1924. Serial No. 744,430. 6 Claims. (Cl. 210—150.)



1. In a filtering device, a container, a cover at the bottom of the container, a perforated plate supported by the cover, a wire screen supported by the perforated plate, a thick pad of felt fabric upon the wire screen, means for introducing the material into the top of the container, means for preheating the material before it enters the container, a rotary agitator within the container, and above the felt fabric, means for operating the agitator with a rotary movement, and means for adjusting the agitator relatively to and from the filtering elements.

1,567,990. FILTERING DEVICE. JOHN V. APABLASA, San Diego, Calif. Filed Mar. 11, 1925. Serial No. 14,839. 11 Claims. (Cl. 210—150.)



1. In a filtering device, the combination with a filter container, of a cover detachably secured to the bottom of the container, rigid and perforated top and bottom filter plates supported by the cover, other filtering elements interposed between the top and bottom plates, means for maintaining the alignment of the plates whereby the perforations of the top plate will register with the perforations of the bottom plate, a filtering sand disposed in the perforations of the top plate, an agitator within the container serving to clean the top plate, and means for rotatively operating the agitator.

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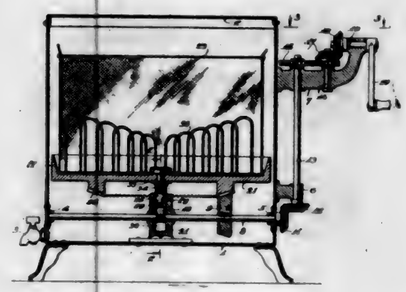
1,567,991. BLASTING TUBE AND BLASTING-TUBE PACKAGE. GEORGE SHERMAN CLARK, Huntington, W. Va., assignor, by mesne assignments, to Clark Patent Tubing Co., Wheeling, W. Va., a Corporation of West Virginia. Filed Feb. 10, 1922. Serial No. 535,643. 4 Claims. (Cl. 102—6.)

1. The method of forming a blasting tube package, which includes forming a flat tube by folding the edges of a flat strip towards one another, applying a damp sealing strip to the tube to secure the edge portions thereof and wrapping the flat tube upon itself to form a package with the sealing strip outside, whereby the subsequent drying and contracting of the strip insures the formation of a tight package.

3. A blasting tube package formed from a flat tube having a sealing strip applied to the tube and lying on the outside of the wrappings, the strip being applied to the tube while still damp and the package thereupon wrapped to form a tight package, the tube being adapted to be drawn laterally from the center when required for use without releasing the outer end of the tube.

1,567,992. DISHWASHING MACHINE. STANISLAS DYKTOR and HERBERT G. DYKTOR, New York, N. Y. Filed Jan. 26, 1925. Serial No. 4,773. 4 Claims. (Cl. 141—9.)



1. A dishwashing machine, comprising a receptacle adapted to receive a washing liquid, a platform arranged in said receptacle, a constant speed driving member and means actuated by said driving member for causing said platform to be rotated and reciprocated, said last mentioned means also causing the platform to be rotated and moved up and down at varying speeds, said means including a pair of meshing elliptical gears.

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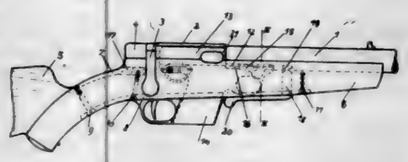
1,567,993. RIFLE WITH PISTOL BREECH MECHANISM. ALBIN GERSTENBERGER, Chemnitz, Germany. Filed Dec. 30, 1924. Serial No. 758,928. 6 Claims. (Cl. 42—16.)



1. A rifle with pistol breech mechanism, comprising in combination a rifle barrel, a T-shaped bar on the lower surface of the rear end of said rifle barrel, a guide sleeve at the rear end of the rifle barrel, a breech case open at the lower side inserted into said sleeve, a pistol handle having a T-shaped groove in its front part and a spring-controlled barrel holder designed to securely connect the pistol handle with the barrel of the rifle.

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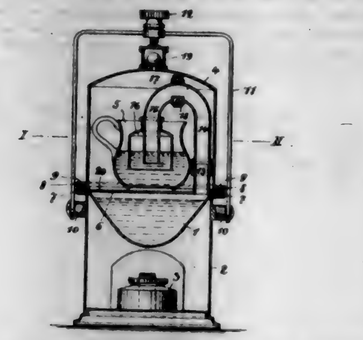
1,567,994. STEAM STERILIZING APPARATUS FOR DOMESTIC USE. FRITZ KESER, Schomberg, Germany. Filed May 14, 1924. Serial No. 713,280. 1 Claim. (Cl. 167—3.)

A sterilizing hot steam apparatus for household use especially designed for disinfecting the sputum of tubercular persons said sputum being contained in a separate vessel, comprising in combination a steam generator on the centre of the top of which said sputum-containing vessel is to be placed, a tubular outflow socket eccentrically mounted in the top plate of said steam generator, a ∩-shaped steam tube pivotally mounted on said tubular outflow socket so that its free end may be made to engage with said sputum-containing vessel to dip into the sputum, a bell-shaped sleeve adjustably mounted on the free end of said steam tube so that it can be made to dip into the sputum for a greater depth than



the end of said steam tube to ensure an intimate admixing of steam and liquid, and a check valve in said steam tube designed to ensure an equalization of pres-



sure in the steam tube when the apparatus is getting cool and to prevent thus the rising of the liquid in said steam tube.

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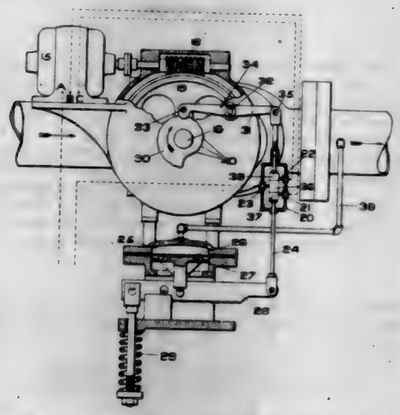
1,567,995. PRESSURE REGULATOR. JAMES LEWIS KIMBALL, Salem, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass., a Corporation of Massachusetts. Filed Jan. 31, 1925. Serial No. 6,009. 15 Claims. (Cl. 50—10.)



13. In a fluid system, a valve for controlling the condition of the fluid in the system, a motor for controlling the valve, a switch for controlling the motor, means for selectively controlling said switch in accordance with the condition of the fluid in the system and by said motor to effect an incremental control of the valve, and means to adjust the valve to a degree corresponding to the degree of fluctuation of the condition of the fluid in the system without limiting the degree of operation of the motor.

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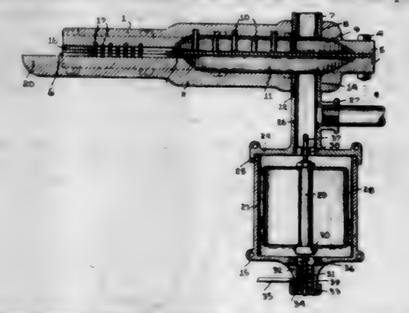
1,567,996. OIL BURNER. LUCIUS L. ROGERS, Texarkana, Tex. Filed Dec. 22, 1924. Serial No. 757,512. 4 Claims. (Cl. 158—77.)

4. An oil burner comprising complemental flanged castings and an interposed combination gasket and division plate, bolts passing through the flanges and through the division plate for securing the three together, one of said castings being dished on the under face to provide a fuel chamber and the other being dished on the upper face to provide a steam chamber which terminates at its forward end short of the fuel chamber, the division plate terminating at the forward end of the fuel chamber, said castings being recessed on their facing sides to define a mixing chamber and the division plate



being formed with extensions constituting a gasket between the castings where they define the mixing chamber, the mixing chamber communicating with a fuel nozzle and the lower casting being formed with a lip or extension disposed at the lower plane of said fuel nozzle.

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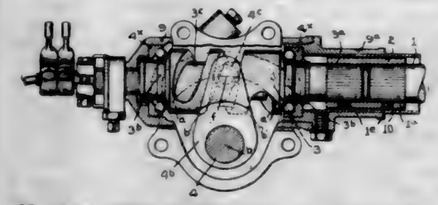
1,567,997. STEERING GEAR. DAVID E. ROSS, La Fayette, Ind., assignor to Ross Gear & Tool Company, La Fayette, Ind., a Corporation of Indiana. Filed Apr. 30, 1924. Serial No. 710,179. 26 Claims. (Cl. 74—79.)



25. As an article of manufacture an actuating member for a steering gear consisting of a cylinder of substantially uniform diameter having an approximately helical cam groove in its periphery gradually decreasing in helical angularity from the central point of the groove towards each end thereof; substantially as described.

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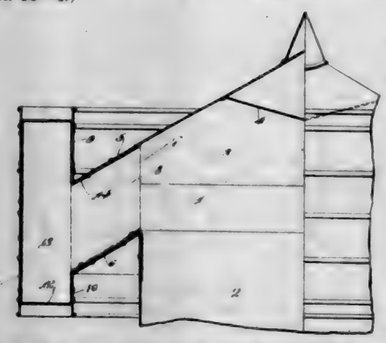
1,567,998. VENTILATOR. LOUIS S. RYSDON, Chicago, Ill. Filed Oct. 17, 1923. Serial No. 669,145. 1 Claim. (Cl. 98—4.)



A ventilator comprising a casing forming a throat, and a chamber above the throat, a deflector in the chamber, an annular upper flange extending from the casing

downwardly, a lower annular flange extending from the casing downwardly and parallel to the other flange to form a downwardly extending passage, partitions supported by the said flanges to sub-divide said passage, an inner vertical flange extending upwardly from said upper flange, a lower inner flange extending from said first mentioned lower flange, and an outer band supported by said upper and lower flange and forming a vertically extending annular passage in communication with said first passage.

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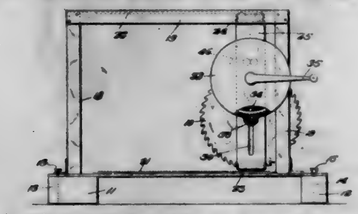
1,567,999. ROTARY SAW. THOMAS D. SADLER and DUDLEY K. SADLER, New Orleans, La. Filed Nov. 14, 1923. Serial No. 674,716. 2 Claims. (Cl. 143—47.)



1. A rotary saw comprising, a support including a horizontal plate extending lengthwise of the support and having a central longitudinal slot therein, a pair of spaced apart frame members rising from opposite sides of the plate, a pair of top and bottom rack bars arranged in the top of each frame member and on the adjacent side portion of the plate with the racks of each pair facing each other and all of the racks arranged in register, a vertically disposed carriage above the plate having spaced side bars one within each frame member, spaced toothed rollers in the tops and bottoms of the side bars meshing with the racks to support the side bars, a bearing member mounted for vertical sliding movement in each side bar, a saw shaft journalled in said bearing members, operating gearing carried on one end of the shaft and movable therewith and with the bearing members a rotary saw on said shaft between the bearing members and in register with said slot in the plate, opposed racks in each bearing member, intermeshing pinions in each side bar engaging the opposed racks of the bearing members, a transverse shaft connecting a corresponding pinion of each side bar, and means for locking the shaft when adjusted.

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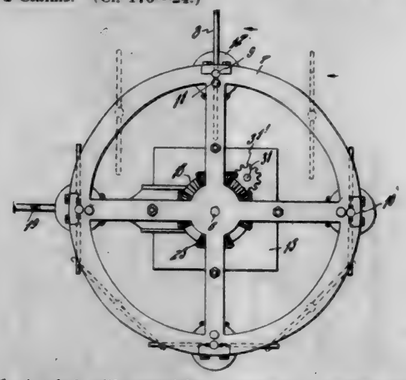
1,568,000. WINDMILL. ROBERT D. SCHMIDT, Davenport, Iowa. Filed June 14, 1924. Serial No. 720,047. 2 Claims. (Cl. 170—24.)



1. A wind mill comprising a support, a vertical shaft carried thereby, a rotatable frame carried by the shaft, feathering blades journaled in the frame, a base plate arranged on the shaft, a sleeve rotatable on the shaft, a gear formed therewith and resting on the base plate, a rudder carried by the sleeve, a manually operable rotatable shaft journaled in the support, a pinion carried thereby, and adapted to be brought into or out of engagement with the first mentioned gear, and means for shifting the manually operable shaft vertically for the purpose specified.

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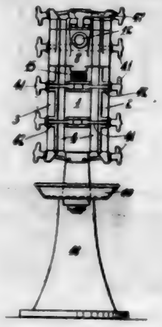
1,568,001. FILTER OR STRAINER ESPECIALLY APPLICABLE TO MILK AND OTHER POTABLE LIQUIDS. RICHARD SELIGMAN, London, England. Filed May 13, 1925. Serial No. 30,055. 6 Claims. (Cl. 210—168.)



1. In a filter of the character described, in combination, a fixed medial plate-like body, cover plates one on each side of said plate-like body forming filter chambers therebetween, filtering media contained between the body and the cover plate and dividing the space between the body and each said cover plate into a filtered liquid-space and an unfiltered liquid-space, and a multi-way valve on the body, said valve connecting with the filter chambers through the body and through projections from the cover plates for controlling the supply and discharge of the liquid through one or other of the said filters.

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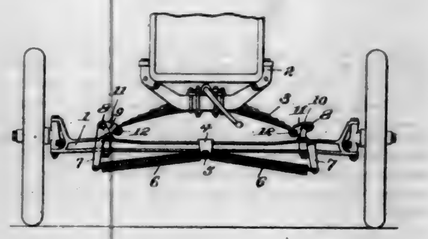
1,568,002. SHOCK ABSORBER FOR MOTOR VEHICLES. CHARLES E. SHEARER, Amarillo, Tex. Filed Nov. 7, 1923. Serial No. 673,376. 1 Claim. (Cl. 267—17.)



In a shock absorber, the combination of a vehicle body, an axle, reversely arranged angular levers having normally inclined pendent portions and also having upper normally inclined portions spaced apart in parallelism, and angularly disposed portions fixedly connecting said vertical portions together, bolts extending through said parallel portions adjacent the juncture thereof with the pendent portions and effecting pivotal connection of the levers to the axle, a transverse spring



connected to and carried by the body of the vehicle and having its end portion disposed between said normally inclined portions of the lever, bolts extending between said parallel portions adjacent their free ends and pivotally connecting the ends of said spring thereto, a connector secured midway between the ends of the axle and retractile springs connected at their inner ends to said connector and at their outer ends to the pendent portion of said levers.

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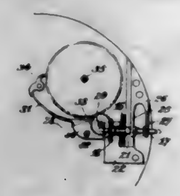
1,568,003. WATCH. ALFRED C. SMITH, New York, N. Y. Filed Apr. 16, 1924. Serial No. 706,935. 4 Claims. (Cl. 58—67.)



1. A watch including in its construction a winding and setting mechanism formed with a pair of pinions, one acting as a setting pinion and the other as a winding pinion, said pinions being formed with polygonal-shaped openings in the center, and a winding shaft formed with a polygonal-shaped section adapted to be moved into the openings in their of said pinions for causing an actuation thereof when the shaft is actuated.

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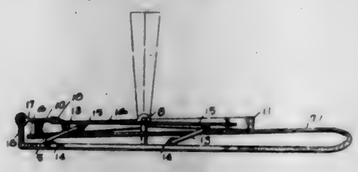
1,568,004. JAW TRAP. MILAN STILL, Kodiak, Territory of Alaska. Filed June 16, 1925. Serial No. 37,530. 5 Claims. (Cl. 43—92.)



1. In a jaw trap, a base member, a ring-shaped member disposed above the base member, a U-shaped spring member having its ends rigid with adjacent ends of said ring-shaped member and the base member at one end of the trap and tensioned to cause ease movement of the ring-shaped member upwardly away from the base member, said ring shaped member having vertical openings in the side portions thereof, pivot members rigid with and projecting upwardly from the side portions of the base member so as to pass through said vertical openings of the ring shaped member when the latter is lowered and the spring member placed under tension, a pair of U-shaped jaws disposed transversely of the spring member and having adjacent ends hinged to the upper portions of said pivot members so that the jaws may swing vertically, and trip-controlled means for retaining the jaws in separated downwardly swung position in engagement with the upper ring-shaped member and for retaining the latter lowered with the spring member under tension.

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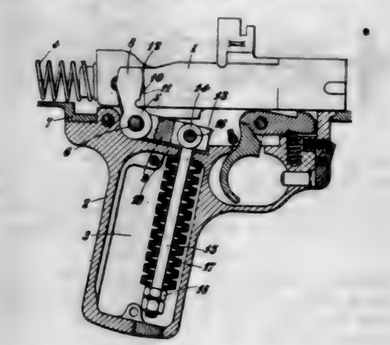
1,568,005. ACCELERATING DEVICE FOR AUTOMATIC FIREARMS. CHARLES SUTTER, Suresnes, France, assignor to Société Anonyme des Anciens Etablissements Hotchkiss & Compagnie, Seine, France. Filed June 22, 1925. Serial No. 38,806. 6 Claims. (Cl. 42—3.)



5. In an automatic fire-arm, the combination of a reciprocating piston, and a return spring therefor, a two-armed lever aadpted to be rocked by said piston, and a spring mounted in the trigger-guard and connected to one arm of said lever, so as to be tensioned by the rocking motion of said lever.

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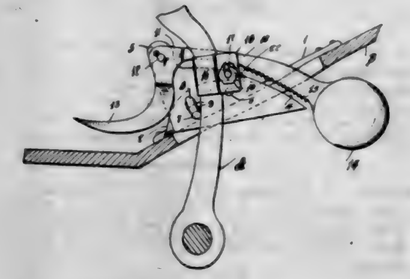
1,568,006. AUTOMATIC PEDAL LATCH. GEORGE D. TALLEY, Mexico, Mo. Filed June 4, 1925. Serial No. 34,914. 3 Claims. (Cl. 24—81.)



1. In combination with a pedal for controlling the clutch of an automobile transmission system, an angular support suitably secured adjacent to the pedal, a plate adjustably secured to said support, a lever fulcrumed on said plate, ratchet teeth on said lever, and means associated with the pedal to engage said teeth to hold the pedal in adjusted positions.

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2. An oil burner of the character described comprising a plan view substantially flat rectangular casing, a cover plate removably secured to the upper side of the casing, said cover plate having an integrally formed air or steam inlet upon the upper side thereof, a longitudinally movable section received in the forward end portion of the casing which includes substantially V-shaped side walls and defining an outwardly flared discharge portion upon the upper sides thereof, an oil pipe connected to the rear portion of the casing and having com-

downwardly, a lower annular flange extending from the casing downwardly and parallel to the other flange to form a downwardly extending passage, partitions supported by the said flanges to sub-divide said passage, an inner vertical flange extending upwardly from said upper flange, a lower inner flange extending from said first mentioned lower flange, and an outer band supported by said upper and lower flange and forming a vertically extending annular passage in communication with said first passage.

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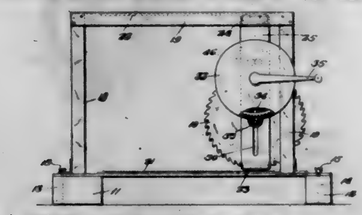

1. A rotary saw comprising, a support including a horizontal plate extending lengthwise of the support and having a central longitudinal slot therein, a pair of spaced apart frame members rising from opposite sides of the plate, a pair of top and bottom rack bars arranged in the top of each frame member and on the adjacent side portion of the plate with the racks of each pair facing each other and all of the racks arranged in register, a vertically disposed carriage above the plate having spaced side bars one within each frame member, spaced toothed rollers in the tops and bottoms of the side bars meshing with the racks to support the side bars, a bearing member mounted for vertical sliding movement in each side bar, a saw shaft journalled in said bearing members, operating gearing carried on one end of the shaft and movable therewith and with the bearing members a rotary saw on said shaft between the bearing members and in register with said slot in the plate, opposed racks in each bearing member, intermeshing pinions in each side bar engaging the opposed racks of the bearing members, a transverse shaft connecting a corresponding pinion of each side bar, and means for locking the shaft when adjusted.

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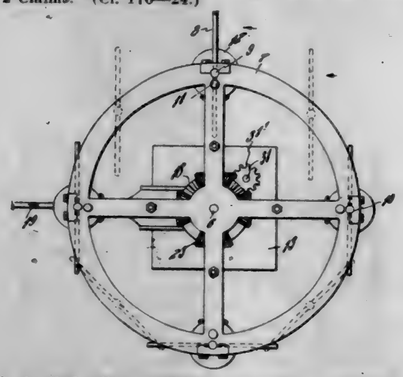

1. A wind mill comprising a support, a vertical shaft carried thereby, a rotatable frame carried by the shaft, feathering blades journaled in the frame, a base plate arranged on the shaft, a sleeve rotatable on the shaft, a gear formed therewith and resting on the base plate, a rudder carried by the sleeve, a manually operable rotatable shaft journaled in the support, a pinion carried thereby, and adapted to be brought into or out of engagement with the first mentioned gear, and means for shifting the manually operable shaft vertically for the purpose specified.

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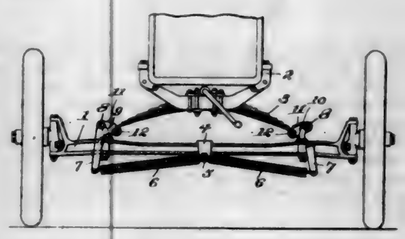

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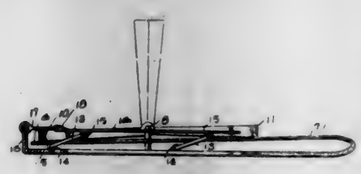

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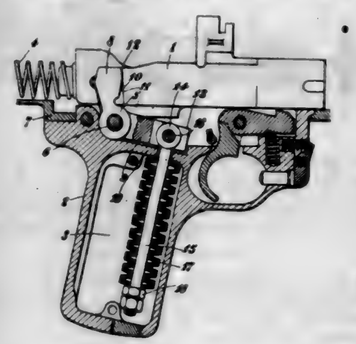

5. In an automatic fire-arm, the combination of a reciprocating piston, and a return spring therefor, a two-armed lever aadpted to be rocked by said piston, and a spring mounted in the trigger-guard and connected to one arm of said lever, so as to be tensioned by the rocking motion of said lever.

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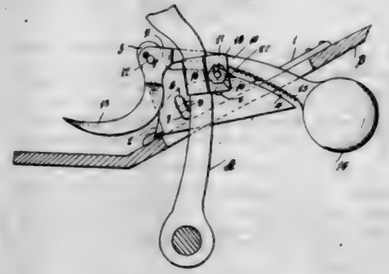

1. In combination with a pedal for controlling the clutch of an automobile transmission system, an angular support suitably secured adjacent to the pedal, a plate adjustably secured to said support, a lever fulcrumed on said plate, ratchet teeth on said lever, and means associated with the pedal to engage said teeth to hold the pedal in adjusted positions.

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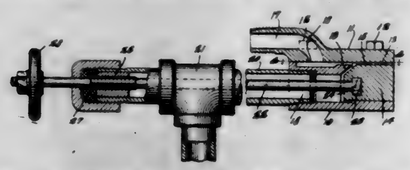
2. An oil burner of the character described comprising a plan view substantially flat rectangular casing, a cover plate removably secured to the upper side of the casing, said cover plate having an integrally formed air or steam inlet upon the upper side thereof, a longitudinally movable section received in the forward end portion of the casing which includes substantially V-shaped side walls and defining an outwardly flared discharge portion upon the upper sides thereof, an oil pipe connected to the rear portion of the casing and having com-

nunication with the longitudinally movable section, and a longitudinally extending rod member having one end threaded within the oil inlet pipe and its opposite end swiveled within the longitudinally movable section where-



by the mixture and entrance of oil with the air or steam within the mixing chamber defined in the upper portion of the longitudinally movable section may be determined or regulated by moving the longitudinally movable section inwardly and outwardly within the casing.

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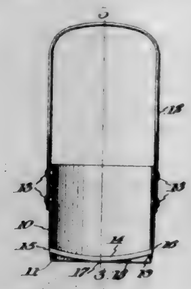
1,568,008. IMPLEMENT FOR REMOVING CORES FROM CITROUS FRUITS. CECIL C. THOMAS, Takoma Park, Md. Filed May 9, 1925. Serial No. 29,116. 5 Claims. (Cl. 146—3.)



1. An implement for removing cores from citrous fruit comprising means for effecting a cut around the core and a cross member lying in a plane of the axis of the core and extending across the axis, said cross member being formed to sever the core adjacent the end of the latter upon relative rotation of the implement and fruit.

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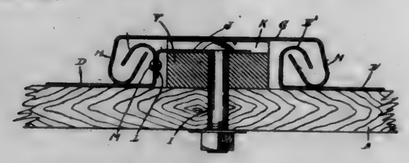
1,568,009. CAR ROOF. WILLIAM D. THOMPSON, Detroit, Mich., assignor to Hutchins Car Roofing Company, Detroit, Mich., a Corporation of Michigan. Filed May 9, 1921. Serial No. 467,893. 7 Claims. (Cl. 108—5.)



1. In an outside car roof, the combination with a load-sustaining roof, of a series of metallic roofing sheets overlying said roof, weather-proofing means between the sheets permitting relative movement thereof, and means for holding each sheet at one only of the side edges thereof from shifting longitudinally of the car.

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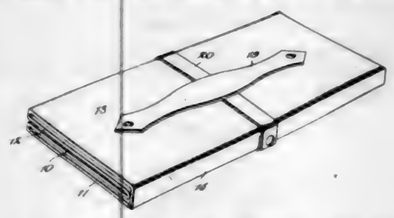
1,568,010. FOLDING CASE. JOSEPH TIGERSTROM, New York, N. Y. Filed June 14, 1921. Serial No. 477,579. 1 Claim. (Cl. 229—41.)

A folding case comprising a bottom wall, a front wall secured to the bottom wall at the longitudinal front edge thereof and adapted to be folded below the bottom wall, a rear wall secured to the bottom wall at the longitudinal rear edge thereof and adapted to be folded upon the bottom wall, end walls having their rear edges secured to the rear wall, a slight distance from the ends of the latter and adapted to be folded toward each other to lie in a plane above the rear wall, a top wall secured to the longitudinal edge of the rear wall opposite the juncture of the bottom wall therewith and being foldable upon said end walls, a front flap secured to the free longitudinal



edge of the top wall and being foldable to cover one of the edges of the front and end walls respectively and the point of juncture of the bottom and rear walls when said walls are arranged in folded position, flaps secured to the front wall adjacent each edge thereof, fastening means between the front flap and the front wall and the flaps second mentioned and the end walls, and said fastening means being adapted to hold said walls in assembled position.

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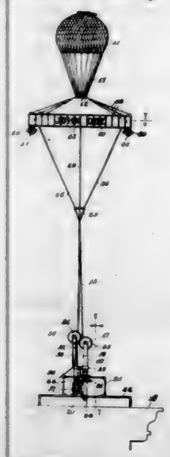
1,568,011. ELECTRICAL AERIAL ADVERTISING MEANS. CHARLES S. TRIPPEDA and ANTHONY J. DICHIARO, New York, N. Y. Filed Jan. 16, 1925. Serial No. 2,929. 6 Claims. (Cl. 40—29.)



1. In an aerial advertising means, a balloon, a sign connected with the balloon to rise and fall therewith, a ground support, turnable means on said support, a connection between said balloon and sign and said turnable means, and means associated with said support to give turning movement to said turnable means and the said connection to impart turning movement to said balloon and sign.

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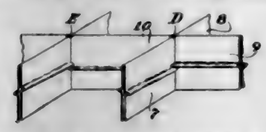
1,568,012. TERRAZZO FLOORING STRIP. ERNEST V. WALSH, St. Paul, Minn. Filed July 14, 1924. Serial No. 725,809. 7 Claims. (Cl. 94—17.)

1. A floor structure comprising a base, a top layer, a strip vertically dividing said structure into sections and extending above the finished surface thereof, said strip



being folded upon itself to form a pair of substantiallly parallel portions, a bead on the exterior face of each parallel portion to form an anchoring means therefor,



said strip being divided at the fold thereof by a finishing operation on the floor to form a pair of oppositely disposed edging strips thereof.

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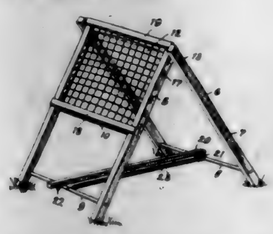
1,568,013. GAME. HOWARD CHAPIN WARFIELD, Merrick, N. Y. Filed Oct. 3, 1924. Serial No. 741,490. 1 Claim. (Cl. 273—88.)



A target for use in playing games, and comprising two frame-like members pivotally connected together, means for maintaining said pivoted frame-like members in predetermined angular relation, said means comprising a spacer and a contractor both of which are engageable with portions of said frame-like members; and a rebounding surface forming a part of one of said frames, said rebounding surface comprising a plurality of right-angularly disposed strands of a resilient nature.

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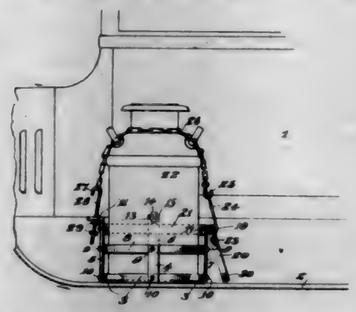
1,568,014. AUTOMOBILE CARRIER. BERT E. WATSON, Grand Island, Nebr. Filed Apr. 18, 1925. Serial No. 24,194. 6 Claims. (Cl. 224—29.)



1. A can carrier of the character described comprising, a circular receptacle including a series of spaced upright standards, certain of said standards having their upper ends outturned and one thereof having its outturned end bifurcated, a flexible securing element designed to pass over a can positioned in said receptacle, a connecting element on each end of said flexible element, one of said elements being adapted to engage said bifurcated end, a swinging arm pivotally attached to one of said standards, and a link carried by said arm and adapted to be engaged by the other of said elements, to draw said flexible element tight across said can when the swinging arm is moved downwardly.

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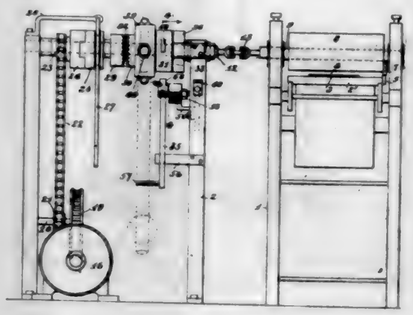
1,568,015. OPERATING MEANS FOR PRINTING PRESSES. JOSEPH A. WILLIAMS and JOHN WILLIAMS, Jr., Belleville, N. J. Filed Mar. 18, 1925. Serial No. 15,923. 7 Claims. (Cl. 185—2.)



1. An operating means for roller printing presses, comprising a member movable by gravity when permitted, means for holding said member against movement, a continuously moving drive shaft, and means operated by the movement of said member in one direction to couple the drive shaft to the operating means of the press after the member has moved for a predetermined distance.

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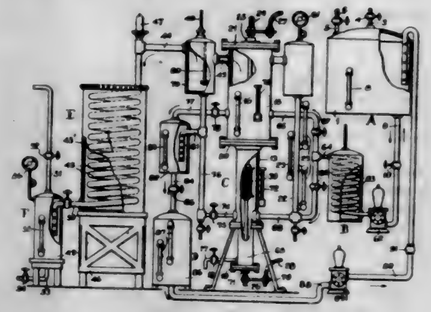
1,568,016. PROCESS OF CONVERTING HYDROCARBON OILS. JOSEPH H. ADAMS, Brooklyn, N. Y. Original application filed Dec. 5, 1917, Serial No. 205,527. Divided and this application filed Oct. 12, 1922. Serial No. 593,953. 9 Claims. (Cl. 196—57.)



1. The process of converting hydrocarbon oils that comprises subjecting oil to direct contact with an electric resistor, immersed therein and heated electrically to a cracking temperature, and maintaining a super-atmospheric pressure upon the oil under treatment.

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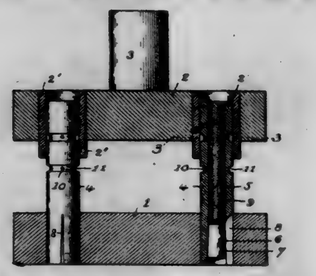
1,568,017. LEADER PIN FOR DIE SETS. ROBERT C. DANLY, Chicago, Ill., assignor to Danly Machine Specialties, Inc., Chicago, Ill., a Corporation of Illinois. Filed May 2, 1924. Serial No. 710,571. 4 Claims. (Cl. 164—118.)

1. In a die set for punching and forming presses, the combination of a set member formed with a cylindrical orifice, a leader pin cylindrical throughout to accurately fit said orifice and formed with a central channel and a

radial slit at its attaching end, a plug formed with a minute taper fitting the central channel aforesaid, so that when driven into place the plug will expand the attach-



ing end of the leader pin into fixed engagement in said cylindrical orifice, and a companion set member having sliding engagement with said leader pin.

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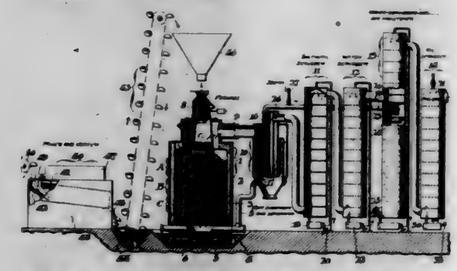
1,568,018. TREATMENT OF HYDROCARBONS. CHARLES N. FORREST, Rahway, and HAROLD P. HAYDEN, Perth Amboy, N. J., assignors to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed June 15, 1920. Serial No. 389,086. 4 Claims. (Cl. 196—55.)



2. The process of destructively distilling and gasifying hydrocarbon materials which consists in charging therewith pieces of divided inert refractory material as a carrier; passing the resultant porous charged aggregate progressively through the sphere of reaction; and subjecting the aggregate, towards its exit therefrom, to a limited counterflow of combustion agent, so as to create in the sphere of reaction a region of combustion and a preceding region of cracking, thus eventually consuming the coke formed from the cracking and restoring the carrier material to clean, uncharged condition.

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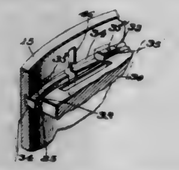
1,568,019. BRAIDING MACHINE. OTTO A. FREDERICKSON, Wethersfield, Conn., assignor to The American Wiremold Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 11, 1925. Serial No. 8,411. 9 Claims. (Cl. 26—7.)



1. In a braiding machine, the combination of a revolving drum having an annular groove formed in its inner face to open inwardly and having vertical slots formed through its wall in intersecting relation with the groove to provide passages for the outer yarns, inner yarn carriers that travel in a horizontal plane and each constructed to support a yarn mass with its axis transverse to the drum radius, a race-way for supporting the inner end of the carriers, a pair of shoes for supporting the outer end of each carrier and secured to the carrier in horizontal spaced relation to slide in said groove across said slots, each shoe having a bearing face that is sufficiently long to slide smoothly over said slots, and means for traveling the carriers in the horizontal plane.

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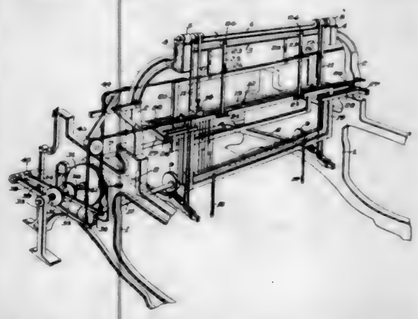
1,568,020. MARQUISETTE OR CROSS WEAVING LOOM. JOHN N. GRIFFITH, Scottdale, Ga., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 6, 1924. Serial No. 741,864. 7 Claims. (Cl. 139—53.)



5. In a cross-weaving loom for weaving tubular fabrics, the combination of two rigidly connected heddle frames having a rising and lowering movement only and provided with oppositely directed needle eyes, two independent needle frames having alternate lateral movements only, guides at the opposite sides of the loom for guiding the lateral movement of each needle frame, flexible hangers for supporting the needle frames, springs for moving the needle frames laterally in one direction, cam actuated levers, and flexible connections between the levers and needle frames for moving the needle frames laterally in the opposite direction for crossing the warp threads.

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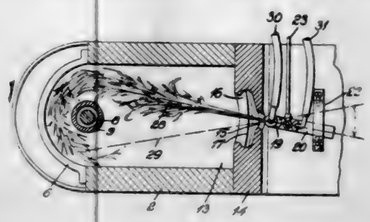
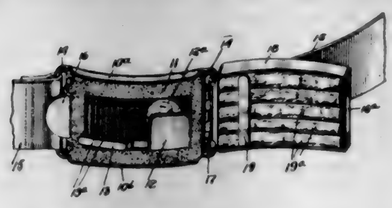
1,568,021. METHOD AND APPARATUS FOR HEATING GLASS FEEDERS. EVERETT O. HILLER, Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Mar. 14, 1925. Serial No. 15,511. 17 Claims. (Cl. 49—55.)



15. Apparatus for feeding molten glass, comprising a discharge chamber for the glass having a downwardly opening outlet orifice, a vertical rigid member in said chamber for controlling the discharge of glass through said orifice, and a burner mounted to oscillate upon a pivot aligned with said orifice and with the said member, the said burner being arranged to project a laterally oscillating heating flame into said chamber, and to sweep said flame across said member during the oscillations of said burner.



1,568,022. CONNECTER. REGINALD F. LANDRUM, Brooklyn, N. Y. Filed Jan. 29, 1925. Serial No. 5,486. 2 Claims. (Cl. 224—26.)



2. In a belt buckle, a face plate of substantially rectangular contour and having a flange at right angles thereto and rearwardly thereof so that said face plate forms a receptacle, a hinge at one edge of said face plate, a rear plate attached to said hinge, a rectangular gasket attached to the edges of said rear plate, spring means compressing the face plate against the rear plate and loops attached to said rear plate to which the ends of the belt are fastened.

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1,568,023. PICTURE SCREEN. HENRY MCMANUS, Hartford, and CORTLANDT F. LUCE, West Hartford, Conn., assignors to The Eureka-Cinema Corporation, Hartford, Conn., a Corporation of Delaware. Filed Apr. 18, 1922. Serial No. 555,022. 8 Claims. (Cl. 88—24.)

1. A picture screen having a flat surface and sloping surfaces of proportional areas to each absorb substantially the same number of rays of light projected upon the screen perpendicularly to the flat surface thereof.

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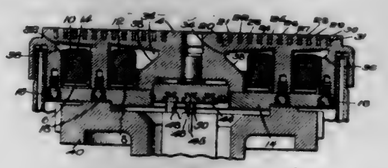
1,568,024. MAGNETIC HOLDING DEVICE. HENRY A. SPENCER, Watertown, Mass., assignor to The Blanchard Machine Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Jan. 29, 1921. Serial No. 440,945. 8 Claims. (Cl. 175—367.)



1. A magnetic holding device comprising, in combination, a magnetic body having a work-holding face, means associated with the body for producing a magnetic flux to hold magnetic material on said work-holding face, said body providing within itself a complete circuit for the magnetic flux, a portion of the body adjacent to the work-holding face, and within the circuit, constituting a magnetic shunt, said portion having a varying thickness, said body presenting at intervals recesses separated by magnetic connections leading from said shunt portion to said face, thereby to divert a part of the magnetic flux from the magnetic circuit and to compel the same to flow through the magnetic pieces to be held while the remaining flux flows through said shunt portion.

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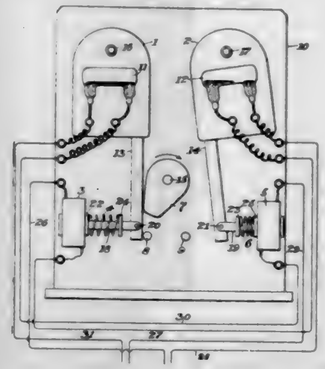
1,568,025. SWITCHING APPARATUS. WARREN R. WALKER, New Dorp, N. Y. Filed Nov. 15, 1923. Serial No. 674,814. 8 Claims. (Cl. 175—375.)



1. In a switching apparatus which automatically closes one circuit immediately on the opening of another and the converse alternately, in combination, a switching means, a second switching means, means controlled by first of said switching means for holding the second said switching means in the open position and means controlled by second said switching means for holding the first switching means in the open position.

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1,568,026. ELECTRON-DISCHARGE DEVICE. JOSEPH B. ZETKA, Nutley, N. J., assignor to Brightson Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed June 24, 1924. Serial No. 722,076. 5 Claims. (Cl. 250—27.)

1. In a device of the character described, in combination, a support, a filament carrying member secured thereto and extending angularly therefrom, said member having its free end curved into an ogee whereby a filament carried from such free end may be maintained under the desired spring tension.

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1,568,027. METHOD OF AND MEANS FOR RELEASING AND RECOVERING FAST CASING FROM WELLS. JOHN C. SWAN, Marietta, Ohio. Filed Nov. 27, 1923. Serial No. 677,351. 6 Claims. (Cl. 166—1.)

2. The method of releasing well casings which comprises introducing a piston-like element into the casing,

anchoring it substantially immovably to the inner wall of the casing, and passing a fluid under pressure through

the piston-like element to exert pressure upon the lower surfaces thereof.

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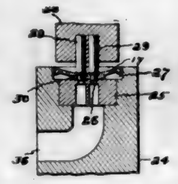
1,568,028. METHOD OF SEPARATING CONDENSABLE VAPORS FROM GASES. JOHN C. SWAN, Marietta, Ohio. Filed Dec. 15, 1924. Serial No. 756,130. 8 Claims. (Cl. 183—114.6.)



1. The method of separating condensable hydrocarbon vapors from gases which comprises passing the gas through a column of liquid and maintaining the temperature of the liquid below the condensing temperature of the component to be separated by circulating a refrigerating liquid through a refrigerating plant and in heat-exchange relation to both the interior and exterior of the column.

1,568,029. METHOD OF FORMING BUTTONS AND THE LIKE. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, a Corporation of Connecticut. Filed Mar. 19, 1923. Serial No. 626,125. 1 Claim. (Cl. 79—2.)



The hereindescribed method of making buttons, which resides in subjecting a blank to endwise pressure and in limiting the outward flow of the metal to form a solid head concave on one side and a solid central integral thickened shank or hub forming area on the other side, of sufficient cross-section to accommodate a group of thread holes then in supporting a side face of the shank forming area, and then in piercing such area to form thread holes while so supported.

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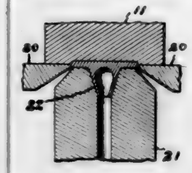
1,568,030. METHOD OF FORMING BUTTONS AND THE LIKE. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 19, 1923. Serial No. 626,126. 2 Claims. (Cl. 29—148.)



1. The hereindescribed method of making buttons, which resides in subjecting a blank to endwise pressure to form a head, and a hollow shank, then in subjecting the blank to lateral pressure thereby to taper the free end portion of the shank so as to cause the interior thereof to be of substantially pear-shape, and finally in subjecting the shank to endwise pressure to reduce the length of the shank and in arresting the inward flow of the metal to reduce the diameter of the outer portion of the shank interior.

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1,568,031. METHOD OF FORMING BUTTONS AND THE LIKE. RICHARD LESTER WILCOX, Waterbury Conn., assignor to The Waterbury Farrel Foundry and and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 19, 1923. Serial No. 626,127. 3 Claims. (Cl. 29—148.)

1. The hereindescribed method of making buttons, which resides in first subjecting a blank to endwise pressure to form a head with a central conical depression in its outer face and a shank having a conical depression in its outer end axially alined with the first named depression, then in subjecting the shank to axial pressure in the direction of the depression in the head to enlarge the depression of the shank and to remove the depression in the head, then in subjecting the shank to lateral pressure to reduce the length thereof and form an opening of pear-shape in the shank and in reducing the diameter of the outer end portion of the opening of the shank.



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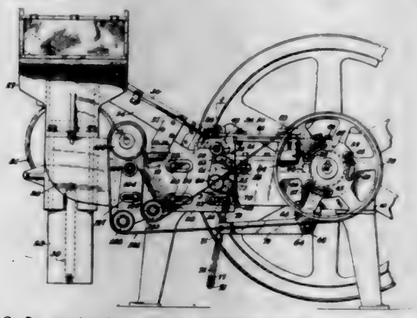
1,568,032. TRIMMING MECHANISM. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Aug. 9, 1924. Serial No. 731,153. 28 Claims. (Cl. 10—166.)



2. In mechanism of the character described; a frame; a member movably mounted thereon; operating tools; chute mechanism for conveying work pieces to a delivery station where they are arranged at an angle to the operating tools; and means for transferring work pieces from the delivery station to the operating tools, the said chute mechanism and transfer means being mounted on said member.

17. In a mechanism of the character described; a frame; a power shaft therein; operating tools mounted in the frame; companion levers pivotally connected with the frame and actuated from the power shaft; a separable connection between the levers, whereby one lever may move independently of the other, comprising a member fixed to one of the levers and having a spring engagement with the other lever; a member independent of the operating tools having a work piece delivery station thereon adjustably connected with the frame; means for delivering a work piece to the operating tools from the delivery station, comprising in part a slide movable in the member; an operative connection between one of the companion levers and the slide which will adjust itself to the varying relative positions of the slide due to the adjustment of the member, comprising an element pivotally connected with the slide and one of the companion levers, and a spring between the latter lever and a part on the slide, whereby the slide will be actuated positively in one direction by the lever and in the opposite direction by yielding means through the same lever.

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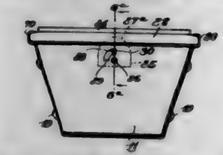
1,568,033. SHIPPING RECEPTACLE. HERBERT P. BEECHER, Rochester, N. Y. Filed Nov. 13, 1920. Serial No. 423,900. 3 Claims. (Cl. 220—1.)



1. A shipping receptacle comprising a blank of sheet metal cut and folded to form the sides and bottom of the receptacle with laterally extended closure retaining portions at the top edges of the sides and overlapping portions on opposite ones of said sides arranged to support said laterally extended portions, a closure plate of cushioning material removably carried by said retaining means and arranged to project beyond the top and adjacent corners of the receptacle, and article securing means within the receptacle.

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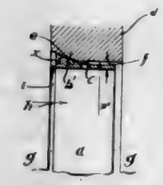
1,568,034. STEAM-TURBINE CONSTRUCTION. FRANZ LÖSEL, Brunn, Czechoslovakia. Filed Aug. 26, 1924. Serial No. 734,354. 14 Claims. (Cl. 253—77.)



1. A steam turbine construction comprising a rotating blade element with a cover or shrouding ring around the periphery thereof which is anchored thereto by means of securing devices projecting above the outer surface of the ring and an enclosing casing or part forming with said ring radial clearances of unequal depth on opposite sides of the protruding securing devices, the clearance of the lesser depth being relatively shallow but of considerable length between the leading or entering edge and said protruding securing devices and the other clearance being of sufficient depth to clear said protruding securing devices and extending to the other edge of said ring.

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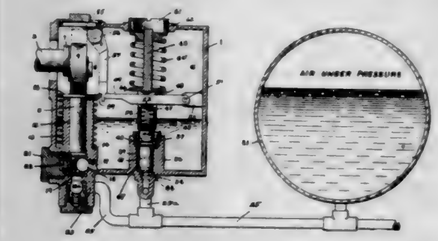
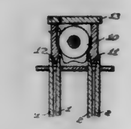
1,568,035. AUTOMATIC CUT-OUT. JOY S. REYNOLDS, San Francisco, Calif., assignor, by direct and mesne assignments, to Reynolds Brake Corporation, Detroit, Mich., a Corporation of Michigan. Filed June 7, 1924. Serial No. 718,629. 3 Claims. (Cl. 103—23.)




1. An automatic cut-out, comprising, a continuously rotating shaft, a pump having a piston adapted to be operated thereby in one direction, a spring adapted to operate said piston in the reverse direction, a pressure tank, said pump connected to said tank and adapted to force fluid thereinto and create pressure therein, a finger adapted to engage said piston and retain it at approximately the limit of its inner stroke, pressure operated means connected to said tank and adapted to operate said finger in the direction of engagement, and means, associated with said finger and operated by said pressure for depressing said piston to a level where it will clear its drive means.

**1,568,036. SHUTTLE-DRIVE ARRANGEMENT.** FERDINAND SOUCZEK, Nachod, Czechoslovakia, assignor to Vereenigde Textielmaatschappijen Mautner, Rotterdam, Netherlands. Filed June 25, 1924. Serial No. 722,420. 6 Claims. (Cl. 139—142.)



1. A loom picking mechanism having means for throwing a shuttle comprising friction rollers composed of wedge discs and means for resiliently holding said discs together whereby a compacting pressure between the rollers and shuttle is obtained.

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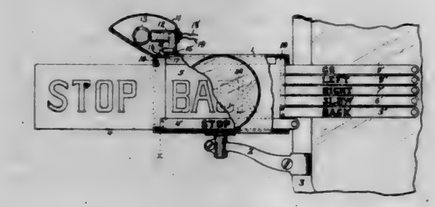
**1,568,037. SIGNAL FOR AUTOMOBILES.** JAMES B. WHITE, Fort Wayne, Ind. Filed June 6, 1921. Serial No. 475,213. 1 Claim. (Cl. 177—327.)




In a signaling apparatus including a series of sliding signal plates, each of which is provided with an offset and means for manipulating the plate; an electric illuminating member for said plates when in extended position; a pair of switch springs spaced apart and included in the electrical circuit for the illuminating member; and a pivotally supported switch blade engageable between said springs and having a pendant foot blade operable selectively by the offset on each signal plate when the latter is in extended position so as to close the electric circuit of the illuminating member.

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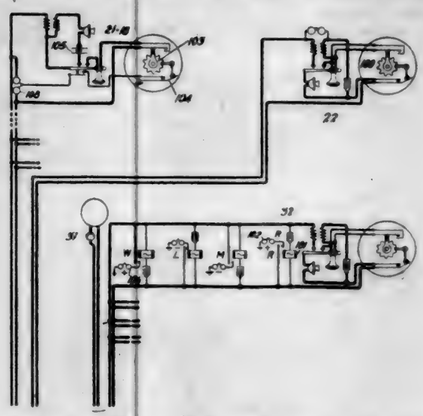
**1,568,038. AUTOMATIC TELEPHONE SYSTEM.** SAMUEL B. WILLIAMS, Jr., Brooklyn, N. Y. and EARL S. GIBSON, Ridgewood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 7, 1922. Serial No. 586,623. 31 Claims. (Cl. 179—17.)

1. In a telephone system, telephone lines, automatic switching means including metallic members forming link circuits common to said lines and contacts adapted to be moved into engagement with said members, means for controlling said switching means to interconnect said lines by causing said contacts to engage said members, means for supplying current for talking purposes to said lines through said contacts and members, means for disengaging said contacts from said members, and means for disconnecting said current supply means from said members and contacts before they are disengaged.



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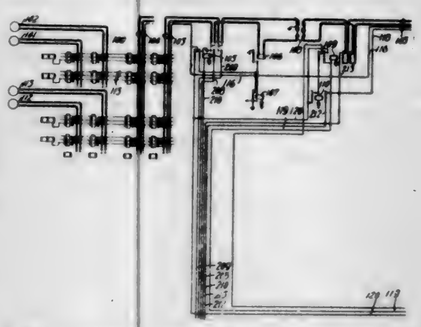
**1,568,039. TELEPHONE-EXCHANGE SYSTEM.** SAMUEL B. WILLIAMS, Jr., Brooklyn, and EDWARD E. HINRICHSEN, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 6, 1922. Serial No. 599,192. 22 Claims. (Cl. 179—18.)



1. In a telephone system, a group of circuits, a number of switches, each having access to said circuits, a common testing mechanism, means for connecting said mechanism to and disconnecting the same from the circuits of said group for testing the same, means for associating the mechanism with any of said switches, and means for operating the associated switch to select one of said circuits.

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# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme Fruit Packing Co., Inc., New York, N. Y. Dried figs. 206,407; Dec. 1; Serial No. 215,887; published Sept. 22, 1925.

Acme Milling Company, assignor to Acme-Evans Company, Indianapolis, Ind. Wheat flour. 48,975; renewed Jan. 16, 1926.

Actinium Developments Limited, London, England. Mineral waters. 206,389; Dec. 1; Serial No. 218,588; published Sept. 22, 1925.

Addac Company, Grand Rapids, Mich. Computing machines. 206,429; Dec. 1; Serial No. 214,837; published Sept. 22, 1925.

Adler, Adam N., Evansville, Ind. Sandwich dressing. 206,405; Dec. 1; Serial No. 216,250; published Sept. 22, 1925.

Ainscoe, Charles B., Gulfport, Miss. Skin bleach. 206,518; Dec.

Alberti, Ditta G., Benevento, Italy. Beverage sold as a soft drink. 206,489; Dec. 1; Serial No. 213,955; published Sept. 22, 1925.

Alexander, William L., Emlenton, Pa. Stuffing for leather. 49,026; renewed Jan. 23, 1926.

Allied Fruit & Extract Co., Inc., New York, N. Y. Sirups and extracts used in the preparation of soft drinks. 206,465; Dec. 1; Serial No. 215,956; published Sept. 22, 1925.

American Brass & Copper Company, The. (See Ansonia Brass & Copper Company, assignor.)

American Broom & Brush Co., Amsterdam, N. Y. Brooms. 50,141–2; renewed Mar. 6, 1926.

American Broom & Brush Co., Amsterdam, N. Y. Brooms. 50,206–2; renewed Mar. 6, 1926.

American District Steam Company, North Tonawanda, N. Y. Casings for underground steam mains. 206,445; Dec. 1; Serial No. 216,864; published Sept. 22, 1925.

American Smelting and Refining Company. (See Selby Smelting & Lead Company.)

American Soda Water Company, St. Louis, Mo. Maltless beverage. 206,512; Dec. 1.

American Stores Company, Philadelphia, Pa. Dried beef and sliced bacon. 206,549; Dec. 1.

American Tourists Service, Inc., Racine, Wis. Sandwiches. 206,434; Dec. 1; Serial No. 216,446; published Sept. 22, 1925.

Amsterdam Broom Company, Amsterdam, N. Y. Brooms. 206,534; Dec. 1.

Anakin Specialty Mfg. Co., Inc., Long Beach, Calif. Safe locks, vault locks, door bolts, and door plugs. 206,481; Dec. 1; Serial No. 215,616; published Sept. 22, 1925.

Ansco Photoproducts, Inc., Binghamton, N. Y. Sensitized photographic material, particularly paper. 206,397–9; Dec. 1; Serial Nos. 218,235–7; published Sept. 15, 1925.

Ansonia Brass & Copper Company, The, Ansonia, assignor to The American Brass Company, Waterbury, Conn. Rods, sheets, wire, plates, tubes, ingots, and castings formed of metal alloys. 46,251; renewed Sept. 12, 1925.

Armour and Company, Chicago, Ill. Gut strings for tennis rackets. 206,378; Dec. 1; Serial No. 198,220; published Sept. 22, 1925.

Associated Flour Mills Company, (See Gittlesohn, Nathan.)

Atlas Dye Works, Frankford, Philadelphia, Pa. Raw artificial-silk fiber. 206,368; Dec. 1; Serial No. 211,317; published Sept. 15, 1925.

Atlas Plywood Corporation, Boston, Mass. Packing and shipping cases, shooks, knockdown boxes, etc. 206,550; Dec. 1.

Baldwin, A., & Co., Limited, New Orleans, La. Plows. 50,580; renewed Mar. 27, 1926.

Banner Productions, Inc., New York, N. Y. Motion pictures. 206,367; Dec. 1; Serial No. 211,655; published Sept. 15, 1925.

Barrett-Cravens Company, Chicago, Ill. Lift trucks and portable elevators. 206,524; Dec. 1.

Barrett Potato Chip Company, Atlanta, Ga. Potato chips, salted peanuts, and peanut-butter sandwiches. 206,505; Dec. 1.

Bay City Beverage Co., Bay City, Mich. Birch beer, ginger ale. 206,414; Dec. 1; Serial No. 213,684; published Sept. 29, 1925.

Better Brushes, Inc., Palmer, Mass. Dusters, stove dauber, dry mop, etc. 206,542; Dec. 1.

Big Four Canning Company, Stanley, Wis. Canned peas. 206,428; Dec. 1; Serial No. 214,120; published Sept. 22, 1925.

Birdsey Flour Mills, doing business as Sandford Flour Mills, Macon, Ga. Self-rising wheat flour. 206,451; Dec. 1; Serial No. 217,603; published Sept. 22, 1925

Black, H. L., and Son, Inc., Washington, D. C. Fresh milk and cream. 206,459; Dec. 1; Serial No. 218,101; published Sept. 22, 1925.

Black, H. L., and Son, Inc., Washington, D. C. Fresh milk and cream. 206,464; Dec. 1; Serial No. 218,102; published Sept. 22, 1925.

Blanton, David A., doing business as The Blanton Company, St. Louis, Mo. Prepared shortening, oleomargarine, and salad oil. 206,360; Dec. 1; Serial No. 215,731; published Sept. 22, 1925.

Blue Door Flower Shoppe, Inc., The, Woonsocket, R. I. Flowers, floral pieces, plants, shells, etc. 206,356; Dec. 1; Serial No. 215,197; published Sept. 15, 1925.

Blue Ribbon Products Co., Baltimore, Md. Hop and malt extract. 206,440; Dec. 1; Serial No. 217,891; published Sept. 22, 1925.

Boonville Mineral Spring Company, Boonville, N. Y. Nonalcoholic, maltless carbonated beverages. 206,502; Dec. 1.

Boucher, William, assignor to William Boucher & Sons, Baltimore, Md. Cigars. 50,088; renewed Mar. 6, 1926.

Boutillier, Ernest G., Canton, Mass. Healing salves. 206,541; Dec. 1.

Bray Pictures Corporation, The, New York, N. Y. Moving-picture films. 206,391; Dec. 1; Serial No. 218,535; published Sept. 15, 1925.

Brilliant Silk Mfg. Co., Inc., The. (See Whitney, J. B., assignor.)

Brocton Jelly Products Co., Brocton, N. Y. Fruit concentrate for making jelly. 206,487; Dec. 1; Serial No. 195,860; published Sept. 22, 1925.

Buffalo Dental Manufacturing Co., Buffalo, N. Y. Dental cutters. 46,975; renewed Oct. 17, 1925.

Buffalo Dental Manufacturing Co., Buffalo, N. Y. Thermometer tubes. 47,788; renewed Nov. 21, 1925.

Bunte Brothers, Chicago, Ill. Candy. 206,490; Dec. 1; Serial No. 214,124; published Sept. 22, 1925.

Burke, Frank G.; Manhattan Soap Company, Inc., successor. Laundry and toilet soap. 48,471; renewed Jan. 2, 1926.

Busch, H., & Co. Inc., New York, N. Y. Coffee, tea, rice, and food-flavoring extracts. 206,417; Dec. 1; Serial No. 208,277; published Sept. 22, 1925.

Cabanes, Ricardo, San Antonio, Tex. Medicine for gonorrhea and urinary canals. 206,460; Dec. 1; Serial No. 200,544; published Sept. 8, 1925.

Cabanes, Ricardo, doing business as The Chemical Laboratory, San Antonio, Tex. Medicine for indigestion, chronic constipation, etc. 206,461; Dec. 1; Serial No. 206,655; published Sept. 8, 1925.

Campbell Holton & Co., Bloomington, Ill. Canned fruits. 206,485; Dec. 1; Serial No. 203,509; published Sept. 22, 1925.

Carr, Wm. Cochran, Limited, Newcastle-on-Tyne, England. Fire bricks. 206,379; Dec. 1; Serial No. 202,437; published Sept. 15, 1925.

Carson Pirie Scott & Co., Chicago, Ill. Sanitary napkins. 206,372; Dec. 1; Serial No. 208,639; published Sept. 15, 1925.

Carter's Ink Company, The, Boston, Mass., and New York, N. Y.; The Carter's Ink Company, Cambridge, Mass. Writing inks and writing fluids of all kinds. 48,946; renewed Jan. 16, 1926.

Carter's Ink Company, The, Boston, Mass., and New York, N. Y.; The Carter's Ink Company, Cambridge, Mass. Mucilage, paste, and adhesive cements. 50,451; renewed Mar. 20, 1926.

Centerville Gypsum Company, Centerville, Iowa. Mineral insulating material. 206,345; Dec. 1; Serial No. 212,120; published Aug. 11, 1925.

Chapin-Sacks Corporation, Washington, D. C. Ice cream. 206,499; Dec. 1; Serial No. 217,696; published Sept. 22, 1925.

Chemical Laboratory, The. (See Cabanes, Ricardo.)

Chero-Cola Company, Columbus, Ohio. Beverages and sirups and concentrates for making the same. 206,387; Dec. 1; Serial No. 218,734; published Sept. 22, 1925.

Chicago White Lead & Oil Co., The, Chicago, Ill. Calcimine. 206,478; Dec. 1; Serial No. 217,986; published Sept. 22, 1925.

Chicago White Lead & Oil Co., The, Chicago, Ill. Paint for galvanized iron and other metals. 206,479; Dec. 1; Serial No. 217,989; published Sept. 22, 1925.

Chicago White Lead & Oil Co., The, Chicago, Ill. Paint and varnish removers. 206,480; Dec. 1; Serial No. 217,992; published Sept. 22, 1925.

Chicago White Lead & Oil Co., The, Chicago, Ill. Paints, paint enamels, wood stains, etc. 206,481; Dec. 1; Serial No. 217,993; published Sept. 22, 1925.

Citizens' Wholesale Supply Co., The, Columbus, Ohio. Desiccated cocoanut. 50,251; renewed Mar. 6, 1926.

Citizens' Wholesale Supply Co., The, Columbus, Ohio. Ground spices. 50,452; renewed Mar. 20, 1926.

Clawson, Dr. Warren M., doing business as Clawson Laboratories, Cincinnati, Ohio. Throat and mouth wash. 206,366; Dec. 1; Serial No. 211,908; published July 28, 1925.

Cleveland Fruit Juice Company, The, Cleveland, Ohio. Prepared chocolate sirup used as a flavoring for ice cream and food beverages and as a sundae dressing. 206,516; Dec. 1.

Cluett, Peabody & Co. Inc., Troy, N. Y. Shirts. 206,530; Dec. 1.

Columbia Orange-Crush Bottling Works. (See Lefas, Stephen D.)

Commander Mill Company, Minneapolis, Minn. Wheat flour. 206,433; Dec. 1; Serial No. 216,258; published Sept. 22, 1925.

Cook, Charles F. W., doing business as Herbert & Whiting Company, Brooklyn, N. Y. Rare earths possessing activity in the elimination of toxins in the colon. 206,463; Dec. 1; Serial No. 217,862; published Sept. 8, 1925.

Corticelli, Silk Company, The. (See Nonotuck Silk Company.)

Courtney, Arnold A., doing business as Ever-Tight Horn Weight Co., Ottumwa, Iowa. Cattle-horn weights. 206,396; Dec. 1; Serial No. 218,294; published Sept. 15, 1925.

Cresta Blanca Liquid Sunshine, Inc., San Francisco, Calif. Beverages sold as soft drinks. 206,503; Dec. 1.

Cushing, W., & Co.; C. H. Cushing, doing business as W. Cushing & Co., Foxcroft, Me., successor. Dye colors. 49,184; renewed Jan. 30, 1926.

Daly-Fetherston Corp., New York, N. Y. Table board game. 206,361; Dec. 1; Serial No. 215,737; published Sept. 22, 1925.

Daly-Fetherston Corp., New York, N. Y. Game box with a squeaker inclosed. 206,362; Dec. 1; Serial No. 215,738; published Sept. 22, 1925.

Dann, Lester W., doing business as Dann Mill & Grain Co., Murfreesboro, Tenn. Wheat flour. 206,427; Dec. 1; Serial No. 213,697; published Sept. 22, 1925.

Dawson, Samuel R., Brooklyn, N. Y. Hardened copper and ingots and castings thereof and wire drawn from the said metal. 206,365; Dec. 1; Serial No. 168,874; published Sept. 15, 1925.

Dayton Biscuit Company, The, Dayton, Ohio. Crackers and cakes. 206,448; Dec. 1; Serial No. 217,394; published Sept. 22, 1925.

Delacroix Laboratories, Inc., New York, N. Y. Health-building tonic. 206,551; Dec. 1.

Dental Chemical Company, Ottumwa, Iowa. Medicated chewing gum. 206,462; Dec. 1; Serial No. 216,887; published Sept. 15, 1925.

Detroit Stove Works, Detroit, Mich. Heating and cooking stoves, furnaces, and ranges and all parts to be used in connection therewith. 47,100; renewed Oct. 24, 1925.

Dextora Company, Indianapolis, Ind. Malted milk. 206,403; Dec. 1; Serial No. 216,589; published Sept. 22, 1925.

Dill, Joseph G., Inc., Richmond, Va., assignor to J. G. Dill Company, Incorporated, Richmond, Va., and New York, N. Y. Plug, cut-plug, and smoking tobacco. 45,231; renewed Aug. 8, 1925.

Disston, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Saws. 49,399–403; renewed Feb. 6, 1926.

Disston, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Saw swages. 49,711; renewed Feb. 13, 1926.

Dixie Coca Cola Bottling Works, Bristol, Va. Beverages. 206,470; Dec. 1; Serial No. 216,824; published Sept. 15, 1925.

Djamgaroff, George, New York, N. Y. Periodical publication. 206,359; Dec. 1; Serial No. 215,683; published July 28, 1925.

Dunn Wheat Company Inc., The, Lexington, Ky. Wheat processed in the can. 206,426; Dec. 1; Serial No. 212,125; published Sept. 22, 1925.

Durkee, E. R., & Co., Elmhurst, New York, N. Y. Compound seasoning spice. 47,036; renewed Oct. 24, 1925.

Durkee, E. R., & Co., Elmhurst, New York, N. Y. Starch. 47,743–4; renewed Nov. 21, 1925.

Easton Canning Corporation, The, Easton, Md. Canned peas, corn, and tomatoes. 206,491; Dec. 1; Serial No. 216,091; published Sept. 22, 1925.

Easton, Gilbert J., Inc., Newark, N. J. Mayonnaise and Thousand Island dressings. 206,520; Dec. 1.

Elgin American Manufacturing Co., Elgin, Ill. Cosmetic containers. 206,537; Dec. 1.

Engelbrecht, Hans, New York, N. Y. Locks and keys. 206,430; Dec. 1; Serial No. 215,239; published Sept. 22, 1925.

Eternite Chemical Products Corporation, New York, N. Y. Compounds for waterproofing, dampproofing, and for technical paints. 206,349; Dec. 1; Serial No. 213,960; published Sept. 15, 1925.

Eureka Fire Hose Co., Jersey City, N. J.; Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y., successor. Hydraulic hose. 46,677; renewed Oct. 3, 1925.

Eureka Fire Hose Company, Jersey City, N. J.; Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y., successor. Fabric hose. 47,006; renewed Oct. 17, 1925.

Ever-Tight Horn Weight Co. (See Courtney, Arnold A.)

Fahnestock, B. A., Co., Pittsburgh, Pa. Vermifuge. 49,149; renewed Jan. 23, 1926.

Farber, S. W., Inc., Brooklyn, N. Y. Electric portable lamps and bulbs therefor. 206,496; Dec. 1; Serial No. 217,397; published Sept. 22, 1925.

Federal Chemical Co., assignor to Federal Chemical Co., Louisville, Ky. Fertilizers. 48,476; renewed Jan. 2, 1926.

Feminol Chemical Company. (See Mackenzie, Cora T., assignor.)

First National Bank of Boston et al., trustees. (See Lewis Manufacturing Company.)

Fleisher, S. B. & B. W., Incorporated, Philadelphia, Pa. Worsted yarns. 50,388; renewed Mar. 13, 1926.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Coffee. 206,494; Dec. 1; Serial No. 217,087; published Sept. 22, 1925.

Franklin Core Rod & Gagger Company, Franklin, Pa. Gaggers formed from square twisted steel bars. 206,540; Dec. 1.

Franklin Needle Company, Franklin, N. H. Flat metal specialties and mill supplies. 206,532; Dec. 1.

Fries, Harold H., doing business as Fries Bros., New York, N. Y. Solvents for flavoring extracts. 206,539; Dec. 1.

Galveston Coffee & Spice Mills, The. (See Wilson, Francis J.)

General Seafoods Corporation, Gloucester, Mass. Fresh sea foods. 206,439; Dec. 1; Serial No. 217,219; published Sept. 22, 1925.

Gesing Brothers Company, The, Cleveland, Ohio. Garage-door holders. 206,471; Dec. 1; Serial No. 216,829; published Sept. 15, 1925.

Gill Brothers Company, Steubenville, Ohio. Glass chimneys, lantern globes, and reflectors. 47,934; renewed Nov. 28, 1925.

Gilmore Oil Company, Los Angeles, Calif. Gasoline, kerosene, lubricating oil, etc. 206,525; Dec. 1.

Gittlesohn, Nathan, doing business as Associated Flour Mills Company and Shepherd King Milling Co., Baltimore, Md. Wheat flour. 206,432; Dec. 1; Serial No. 216,037; published Sept. 22, 1925.

Glendora Citrus Association, Glendora, Calif. Orange, lemons, and grapefruit. 206,523; Dec. 1.

Glidden Company, The, Cleveland, Ohio. Paints, primers, varnishes, enamels, etc. 206,352; Dec. 1; Serial No. 214,956; published Sept. 22, 1925.

Goerz Flour Mills Company, The, Newton, Kans. Wheat flour. 206,437; Dec. 1; Serial No. 217,146; published Sept. 22, 1925.

Gold Star Products Co., The, Detroit, Mich. Malt sirups and exaracts. 206,450; Dec. 1; Serial No. 217,557; published Sept. 22, 1925.

Gorton & Lidgerwood Co., New York, N. Y. Boilers, valves, and parts appurtenant thereto. 206,466; Dec. 1; Serial No. 216,039; published Sept. 15, 1925.

Gotthardwerke Aktiengesellschaft für Elektrochemische Industrie, Bodio, Switzerland. Metallic alloys. 206,412–13; Dec. 1; Serial Nos. 213,782–3; published Sept. 22, 1925.

Grant J. C., Chemical Company, East St. Louis, Ill. Baking Powder. 49,861; renewed Feb. 20, 1926.

Grinnell Willis & Co., assignor, by mesne assignments, to Ridley Watts & Co., New York, N. Y. Shirtings and sheetings, cambrics, and long cloth. 50,313; renewed Mar. 6, 1926.

Grinnell Willis & Co. assignor, by mesne assignments, to Ridley Watts & Co., New York, N. Y. Shirtings and sheetings, cambrics, and long cloth. 50,432–5; renewed Mar. 13, 1926.

Grogan, Charles P., Co. Inc., Los Angeles, Calif. Olives. 206,521; Dec. 1.

Gulf Manufacturing Company. (See Young, Mary C.)

Hagan Coal Mines, Inc., Albuquerque, N. Mex. Coal. 206,547; Dec. 1.

Hauthaway, C. L., & Sons, Incorporated, Portland, Me. and Boston, Mass.; C. L. Hauthaway & Sons, Inc., Boston, Mass. Liquid dressing for leather boots and shoes. 50,067; renewed Mar. 6, 1926.

Havana Commercial Company, Jersey City, N. J. and New York, N. Y. Havana cigars. 51,237; renewed Apr. 10, 1926.

Havana Commercial Company, New York, N. Y. and Jersey City, N. J. Havana cigars. 51,291; renewed Apr. 10, 1926.

Hawley & Hoops, New York, N. Y. Candies. 49,097; renewed Jan. 23, 1926.

Heinz, H. J., Company, Allegheny; H. J. Heinz Company, Pittsburgh, Pa. Vinegar. 51,029; renewed Apr. 8, 1926.

Herbert & Whiting Company. (See Cook, Charles F. W.)

Heyer Products Company, Inc., Montclair, N. J. Battery testers. 206,500; Dec. 1; Serial No. 217,876; published Sept. 22, 1925.

Hinson, Geo. E., Weaverville, N. C. Beverage sold as a soft drink. 206,351; Dec. 1; Serial No. 214,866; published Sept. 22, 1925.

Hochschild, Kohn & Company, Inc., Baltimore, Md. Toilet paper. 206,369; Dec. 1; Serial No. 210,554; published Aug. 18, 1925.

Hudson Valley Pure Food Company, Inc., Highland, N. Y. Preserved fruits, jams, crushed fruits, etc. 206,467; Dec. 1; Serial No. 216,181; published Sept. 22, 1925.

Hybinette, Noak V., doing business as Victor Hybinette, Wilmington, Del. Metal alloys. 206,484; Dec. 1; Serial No. 218,183; published Sept. 15, 1925.

Illinois Feed & Elevator Company, Bloomington, Ill. Scratch, stock, and other feeds and laying mash. 206,457; Dec. 1; Serial No. 217,881; published Sept. 22, 1925.



Imperial Chemical Mfg. Co., New York, N. Y. Hair coloring. 46,320; renewed Sept. 12, 1925.

Inland Steel Company, Chicago, Ill. Ferrous sheets. 206,350; Dec. 1; Serial No. 214,161; published Sept. 15, 1925.

Instant Products Co., Inc., Buffalo, N. Y. Polishes. 206,394; Dec. 1; Serial No. 218,414; published Sept. 22, 1925.

International Agencies of Schaefer & Hamilton, Los Angeles, Calif. Bow staves, arrows, baseball bats, etc. 206,446; Dec. 1; Serial No. 216,912; published Sept. 29, 1925.

Iona Company, The. (See Wilshire, Gaylord.)

Iron Mountain Co., Chicago, Ill. Refrigerating machines. 206,441; Dec. 1; Serial No. 217,463; published Sept. 22, 1925.

Iten Biscuit Co., Omaha, Nebr. Biscuits. 206,449; Dec. 1; Serial No. 217,464; published Sept. 22, 1925.

Jackson Brewing Company, New Orleans, La. Malt tonic. 206,402; Dec. 1; Serial No. 216,602; published Sept. 29, 1925.

Jamison-Semple Co., Inc., The, New York, N. Y. Hospital surgical supplies and hospital equipment. 206,380; Dec. 1; 205,573; Sept. 15, 1925.

Jayne, Dr. D. & Son, Philadelphia, Pa. Medicinal and chemical preparations. 48,855–7; renewed Jan. 16, 1926.

Johnson, Lancelot C., Paducah, Ky. Candy. 206,488; Dec. 1; Serial No. 209,921; published Sept. 22, 1925.

Jordan, Frances, Inc., Philadelphia, Pa. Massage devices. 206,495; Dec. 1; Serial No. 217,278; published Sept. 22, 1925.

Kasai, Kanichiro. (See Sakabe, Jiro, assignor.)

Keith, Preston B., Shoe Co., Brockton, Mass. Leather boots, shoes, and slippers. 50,659; renewed Mar. 27, 1926.

King Refractories Co. Inc., Buffalo, N. Y. Cement. 206,411; Dec. 1; Serial No. 214,482; published Sept. 22, 1925.

Kinnell, David C., doing business as D. C. Kinnell & Co., Boston, Mass. Cedar wood. 206,425; Dec. 1; Serial No. 211,790; published Sept. 22, 1925.

Klorine Chemical Co., Indianapolis, Ind. Pharmaceutical preparation used for the treatment of colds, and respiratory infections. 206,528; Dec. 1.

Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Canned fruits, canned vegetables, etc. 206,421; Dec. 1; Serial No. 185,601; published Mar. 24, 1925.

Lacrosse Refrigerator Corporation, La Crosse, Wis. Refrigerators. 206,418; Dec. 1; Serial No. 202,125; published Sept. 22, 1925.

Lawson, James R., Dallas, Tex. Cold patches, blow-out patches, and boots. 206,522; Dec. 1.

Lefas, Stephen D., doing business as Columbia Orange-Crush Bottling Works, Washington, D. C. Beverages sold as soft drinks. 206,395; Dec. 1; Serial No. 218,315; published Sept. 22, 1925.

Leon, Carl L., Co., Seattle, Wash. Christmas-tree decorations. 206,374; Dec. 1; Serial No. 203,579; published Sept. 15, 1925.

Leventis, Constantine, Detroit, Mich. Serum for the treatment of pulmonary and surgical tuberculosis. 206,526; Dec. 1.

Lewis Manufacturing Company, Walpole, assignor by mesne assignments, to First National Bank of Boston, and O. Olsen, Milton, Mass., trustees. Absorbent cotton. 206,513–5; Dec. 1.

Liebmann Breweries, Inc., Brooklyn, N. Y. Malt beverages. 206,548; Dec. 1.

Lohiker, William A., Pasadena, Calif. Rubber shoes for ladders and trestles. 206,544; Dec. 1.

Long, Wallace W., Detroit Mich. Fortune-telling game. 206,420; Dec. 1; Serial No. 187,111; published Sept. 29, 1925.

Lowe Brothers Company, The, Dayton, Ohio. Paint pigments. 47,016; renewed Oct. 17, 1925.

Ludlum & Carland, New York, N. Y. All-cotton crêpe in the piece. 206,546; Dec. 1.

Mackenzie, Cora T., assignor to Feminol Chemical Company, Baltimore, Md. External remedy. 49,571; renewed Feb. 13, 1925.

Made-Rite Products Co., St. Louis, Mo. Portland cement base stucco material. 206,444; Dec. 1. Serial No. 217,792; published Sept. 22, 1925.

Made-Rite Products Co., St. Louis, Mo. Magnesia base stucco material. 206,455; Dec. 1; Serial No. 217,794; published Sept. 22, 1925.

Manhattan Soap Company. (See Burke, Frank G.)

Marshall Field & Company, Chicago, Ill. Cotton piece goods. 206,538; Dec. 1.

Marshall-Wells Co., Duluth, Minn. Sleds and coaster wagons. 206,390; Dec. 1; Serial No. 218,562; published Sept. 22, 1925.

Maryland-Virginia Milk Products Company, Inc., Charlottesville, Va., and Washington, D. C. Fluid milk, sweet cream, sour cream, and buttermilk. 206,368; Dec. 1; Serial No. 215,938; published Aug. 18, 1925.

Maryland-Virginia Milk Products Company, Inc., Charlottesville, Va., and Washington, D. C. Fluid milk and sour cream, buttermilk. 206,364; Dec. 1; Serial No. 215,939; published Sept. 15, 1925.

Mascot Knitting Mills; Sweetwater Hosiery Mills, Sweetwater, Tenn., successor. Hosiery. 45,530; renewed Aug. 22, 1925.

Massachussetts Cotton Mills, Lowell and Boston, Mass. Cotton piece goods. 46,905; renewed Oct. 17, 1925.

Massachussetts Cotton Mills, Lowell and Boston, Mass. Cotton piece goods. 46,907–8; renewed Oct. 17, 1925.

Massachussetts Cotton Mills, Lowell and Boston, Mass. Cotton piece goods. 47,008; renewed Oct. 17, 1925.

Mayer & Loewenstein; Mayer & Loewenstein, New York, N. Y., successor. Varnish and japan. 48,179; renewed Dec. 12, 1925.

McMichael, Americus O., Denver, Colo. Compressed-tablet form of food product. 206,416; Dec. 1; Serial No. 211,537; published Sept. 22, 1925.

Merriam, G. & C., Company, Springfield, Mass. Dictionaries. 50,645–6; renewed Mar. 27, 1926.

Metro-Goldwyn Distributing Corporation, assignor to Metro-Goldwyn Pictures Corporation, New York, N. Y. Motion-picture films. 206,370; Dec. 1; Serial No. 209,803; published Sept. 15, 1925.

Midulin, Biagio. (See Pendas, Y., & Alvarez.)

Miller, Thomas W., Nephi, Utah. Fresh apples. 206,486; Dec. 1; Serial No. 206,678; published Sept. 22, 1925.

Mission Knitting Works, The, San Francisco, Calif. Knitted bathing suits, knitted dresses, etc. 206,348; Dec. 1; Serial No. 213,851; published Sept. 1, 1925.

Montgomery, Sarah M., Baltimore, Md. Appliance for holding the mouth closed while sleeping and also for holding back the ears. 206,501; Dec. 1; Serial No. 217,891; published Sept. 22, 1925.

Murray, Joseph, doing business as Murray Bottling Company, Taunton, Mass. Beverages. 206,386; Dec. 1; Serial No. 218,866; published Sept. 22, 1925.

New Orleans Coffee Company, Ltd., New Orleans, La. Sirup for food purposes. 206,373; Dec. 1; Serial No. 207,143; published Aug. 11, 1925.

Nonotuck Silk Company, The, Northampton (Florence), and Boston, Mass. The Corticelli Silk Company, Florence, Mass., successor. Thread. 50,194; renewed Mar. 6, 1926.

North, O. B., & Co., New Haven, Conn. Bits, trace buckles, steel rings, etc. 206,438; Dec. 1; Serial No. 217,178; published Sept. 15, 1925.

Norwood Pharmaceutical Company, Chicago, Ill. Preparation for the treatment of rheumatism and of kindred diseases. 206,535; Dec. 1.

Nugent Steel Castings Company, Chicago, Ill. Steel castings. 206,475; Dec. 1; Serial No. 217,288; published Sept. 15, 1925.

Offenhauser, Christopher, Philadelphia, Pa. Automobile bumpers. 206,357; Dec. 1; Serial No. 215,588; published Sept. 15, 1925.

Olds, Edward A., assignor to The Packer Manufacturing Company, Inc., New York, N. Y. Solid and liquid soap. 502,334; renewed Mar. 13, 1926.

Olsen, Olaf, et al., trustees. (See Lewis Manufacturing Company.)

Osborn Paper Company, Marion, Ind. Paper bags. 206,408; Dec. 1; Serial No. 215,703; published Sept. 29, 1925.

Packer Manufacturing Company, Inc. (See Olds, Edward A., assignor.)

Paulson Medicinal Well Company, Saratoga, Wyo. Mineral water. 206,456; Dec. 1; Serial No. 217,707; published Sept. 29, 1925.

Peak, John W. (See Wing, John, assignor.)

Pearlstein, David, doing business as Purity Ice Cream Co., St. Louis, Mo. Ice cream and sherbets. 206,409; Dec. 1; Serial No. 215,475; published Sept. 22, 1925.

Pearson & Co. Aktiengesellschaft, Hamburg, Germany. Resorbent tamponade. 206,498; Dec. 1; Serial No. 217,526; published Sept. 22, 1925.

Pendas, Y., & Alvarez; Biagio Midulla, doing business as B. Midulla Company, New York, N. Y., successor. Cigars. 46,581; renewed Sept. 26, 1925.

Personeni, Joseph, Inc., New York, N. Y. Caramels, chocolates, candied fruits, etc. 206,435; Dec. 1; Serial No. 216,692; published Sept. 22, 1925.

Pittsburgh Coal Company, Pittsburgh, Pa. Coal. 206,353–5; Dec. 1; Serial Nos. 215,018–20; published Sept. 15, 1925.

Pittsburgh Steel Company, Pittsburgh, Pa. Wire fencing. 206,376; Dec. 1; Serial No. 201,875; published Sept. 15, 1925.

Planters Nut & Chocolate Company, The, Suffolk, Va., and Wilkes-Barre, Pa. Candy, salted and candied peanuts, peanut meal and butter. 206,415; Dec. 1; Serial No. 211,704; published Sept. 22, 1925.

Poldi Steel Corporation of America, New York, N. Y. Steel in bars. 206,442; Dec. 1; Serial No. 217,736; published Sept. 22, 1925.

Pollard-Alling Manufacturing Company, New York, N. Y. Letter-embossing machines, addressing machines, etc. 206,519; Dec. 1.

Portland Linseed Oil Works, Inc., The, Portland, Oreg. Linseed oil. 206,482; Dec. 1; Serial No. 218,142; published Sept. 22, 1925.

Portland Packing Company, Portland, Me. Canned vegetables. 47,493–5; renewed Nov. 7, 1925.

Purity Ice Cream Co. (See Pearlstein, David.)

Putnam, W. E., Co., Worcester, Mass. Sash adjusters. 206,477; Dec. 1; Serial No. 217,956; published Sept. 15, 1925.

Ridley Watts & Co. (See Grinnell Willis & Co., assignor.)

Roberts, Herbert E., doing business as Roberts Drug Co., Marshall, N. C. Medicine for the treatment of colds, la grippe, and neuralgia. 206,517; Dec. 1.
Roether, Alfred G., Toledo, Ohio. Pickled pigs' feet. 206,527; Dec. 1.
Rubon Woodfinishing & Products Co., Kansas City, Mo. Dust cloths, dusters, mops, wax spreaders, and wax polishing brushes. 206,454; Dec. 1; Serial No. 217,685; published Sept. 29, 1925.
Rumpp, C. F., & Sons, Inc., Philadelphia, Pa. Leather goods. 48,912; renewed Jan. 16, 1926.
Rumpp, C. F., & Sons., Inc., Philadelphia, Pa. Metal ornaments. 48,913; renewed Jan. 16, 1926.
Ruppert, Jacob, assignor to Jacob Ruppert, Inc., New York, N. Y. Lager beer. 49,727; renewed Feb. 13, 1926.
Rycroft Arctic Soda Co., Limited, Honolulu, Hawaii. Ginger ale. 206,506; Dec. 1.
S-K Oil Burners Corporation, The, Camden, N. J. Oil burners. 206,358; Dec. 1; Serial No. 215,656; published Aug. 11, 1925.
Safeseed, Inc., Chicago, Ill. Seeds. 206,375; Dec. 1; Serial No. 201,587; published Sept. 15, 1925.
Sakabe, Jiro, assignor to Kanichiro Kasai, New York, N. Y. Brushes. 50,342. renewed Mar. 13, 1926.
Sandford Flour Mills. (See Birdseye Flour Mills.)
Schindler, William G., Boston, Mass. Doughnuts. 206,543; Dec. 1.
Schloss & Kahn Grocery Co., Montgomery, Ala. Grape juice and ginger ale. 206,388; Dec. 1; Serial No. 218,667; published Sept. 22, 1925.
Schmid Juluis, Inc., New York, N. Y. Teething rings. 206,458; Dec. 1; Serial No. 217,900; published Sept. 22, 1925.
Schwabacher Bros. & Co. Inc., Seattle, Wash. Cigars. 206,393; Dec. 1; Serial No. 218,432; published Sept. 22, 1925.
Searle, G. D., & Co., Inc., Chicago, Ill. Laxative tablets. 206,377; Dec. 1; Serial No. 200,014; published July 28, 1925.
Selby Smelting & Lead Company, San Francisco, Calif.; American Smelting and Refining Company, New York, N. Y., successor. Cartridges. 46,247–9; renewed Sept. 12, 1925.
Selby Smelting and Lead Company, San Francisco, Calif.; American Smelting and Refining Company, New York, N. Y., successor. Cartridges. 48,217; renewed Dec. 19, 1925.
Selby Smelting and Lead Company, San Francisco, Calif.; American Smelting and Refining Company, New York, N. Y., successor. Cartridges. 48,217; renewed Dec. 26, 1925.
Service Grocer Company, Inc., Detroit, Mich. Brooms, brushes, and mops. 206,404; Dec. 1; Serial No. 216,482; published Sept. 22, 1925.
Shepherd King Milling Co. (See Gittlesohn, Nathan.)
Shulman & Sons, New York, N. Y. Baseballs, baseball bats, striking bags, volley balls, etc. 206,511; Dec. 1.
Slominski, Ladislaus, Des Moines, Iowa. Ultra-violet-ray tubes and lamps. 206,463; Dec. 1; Serial No. 216,747; published Sept. 15, 1925.
Smith, Charles H., doing business as C. H. Smith & Co., Boston, Mass. Polishes for wood, metal, marble, and glass. 49,242; renewed Jan. 30, 1926.
Soodsma, Henry, & Company, Paterson, N. J. Grape juice. 206,385; Dec. 1; Serial No. 218,878; published Sept. 22, 1925.
South Chicago Wholesale Grocery, South Chicago, Ill. Canned vegetables, fruits, and salmon. 206,492; Dec. 1; Serial No. 216,945; published Sept. 22, 1925.
Southern Beverage Company, Galveston, Tex. Beverages sold as soft drinks and sirups for making the same. 206,400; Dec. 1; Serial No. 218,219; published Sept. 22, 1925.
Springbrook Packing Co., Springbrook, Oreg. Canned fruits and berries. 206,493; Dec. 1; Serial No. 216,946; published Sept. 22, 1925.
Springowski, William A., Lorain, Ohio. Self-winding hose reels. 206,382; Dec. 1; Serial No. 183,322; published Sept. 22, 1925.
Staley Milling Company, North Kansas City, Mo. Wheat flour, corn meal and chop, mixed and poultry feeds, grits. 206,452; Dec. 1; Serial No. 217,645; published Sept. 22, 1925.
Stevens, Chas. A., & Bros., Chicago, Ill. Corsets. 46,590; renewed Sept. 26, 1925.
Structural Slate Co., The, Pen Argyl, Pa. Slate products. 206,468; Dec. 1; Serial No. 216,232; published Sept. 15, 1925.
Sullivan Company, The, Memphis, Tenn. Composition for patching cement and concrete surfaces. 206,531; Dec. 1.
Sullivan, Hugh C., Frostproof, Fla. Oranges, lemons, and grapefruit. 206,423; Dec. 1; Serial No. 204,127; published Sept. 22, 1925.
Summers Fertilizer Company, Inc., Baltimore, Md. Fertilizers. 206,424; Dec. 1; Serial No. 210,586; published Sept. 22, 1925.
Susquehanna Silk Mills, New York, N. Y. Silk piece goods and silk and cotton piece goods. 206,504; Dec. 1.
Sweetwater Hosiery Mills. (See Mascot Knitting Mills.)
Takamine Laboratory, Inc., Clifton, N. J. Malt beverage. 206,381; Dec. 1; Serial No. 196,082; published Aug. 18, 1925.
Tennison, J. M., doing business as Tennison Bros., Texarkana, Ark. and Tex. Oil cans. 206,392; Dec. 1; Serial No. 218,508; published Sept. 22, 1925.
Tetlow, Joseph, assignor to Henry J. Tetlow Company, Philadelphia, Pa. Face powder. 50,393; renewed Mar. 13, 1926.
Thomas, Errold B., Newton, assignor to Thomas Products, Inc., Boston, Mass. Serviettes. 206,347; Dec. 1; Serial No. 218,540; published Sept. 15, 1925.
Travelware Company, The, Cleveland, Ohio. Traveling bags, suitcases, portfolios, brief cases, etc. 206,410; Dec. 1; Serial No. 214,832; published Sept. 29, 1925.
Tremont & Suffolk Mills, Lowell, Mass. Cotton piece goods. 49,319; renewed Jan. 30, 1925.
Tremont & Suffolk Mills, Lowell, Mass. Cotton piece goods. 49,750; renewed Feb. 13, 1926.
Trommer Company, The, Fremont, Ohio. Malt extracts. 50,700; renewed Mar. 27, 1926.
Tuolumne Apple Growers' Association, Soulsbyville, Calif. Apples. 206,422; Dec. 1; Serial No. 207,636; published Sept. 22, 1925.
United States Food Co., The, Pleasant City; The United States Food Co., Pleasant City and Cambridge, Ohio. Medicated food for horses, cattle, sheep, and hogs. 50,401; renewed Mar. 13, 1926.
United States Gypsum Company, Chicago, Ill. Composition partition blocks. 206,419; Dec. 1; Serial No. 200,485; published Sept. 22, 1925.
Valentine & Company, New York, N. Y. Varnishes and japans. 50,705; renewed Mar. 27, 1926.
Victor Food Corporation, Victor, N. Y. Canned fruits. 206,533; Dec. 1.
Victor Food Corporation, Victor, N. Y. Canned fruits and vegetables. 206,536; Dec. 1.
Virden Canning Company, San Francisco, Calif. Olives and olive oil. 206,383; Dec. 1; Serial No. 197,849; published Aug. 11, 1925.
Virden Canning Company, San Francisco, Calif. Ripe olives, pressed figs, honey, and mayonnaise dressing. 206,384; Dec. 1; Serial No. 198,039; published Aug. 11, 1925.
Walworth Manufacturing Company, Boston, Mass. Pipe fittings and valves. 206,473; Dec. 1; Serial No. 217,123; published Sept. 15, 1925.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Footballs, tennis balls, tennis rackets, dumb-bells, etc. 206,507–10; Dec. 1.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Footballs, handballs, tennis rackets, etc. 206,545; Dec. 1.
Waterbury Brass Goods Corporation, The, Waterbury, Conn., Solder. 206,474; Dec. 1; Serial No. 217,194; published Sept. 15, 1925.
Weber, F., Co., Philadelphia, Pa. Drawing instruments. 206,406; Dec. 1; Serial No. 215,953; published Sept. 15, 1925.
West Coast Creameries, Oakland, Calif. Butter. 206,529; Dec. 1.
Western Brick Company, Danville, Ill. Brick and tile. 206,443; Dec. 1; Serial No. 217,744; published Sept. 22, 1925.
Western States Chemical Products Company, Los Angeles, Calif. Hydraulic cement. 206,371; Dec. 1; Serial No. 207,319; published Sept. 15, 1925.
Western States Mfg. Co., Sioux City, Iowa. Repair kits for repairing tires. 206,346; Dec. 1; Serial No. 212,310; published Sept. 15, 1925.
Wheeler, Mrs. Venora A., Forty Fort, Kingston, Pa. Dustpans. 206,476; Dec. 1; Serial No. 217,379; published Sept. 15, 1925.
Wheeling Steel Corporation, Wheeling, W. Va. Iron and steel sheets and plates. 206,472; Dec. 1; Serial No. 217,001; published Sept. 15, 1925.
Whitcher, Frank W., Boston, Mass., assignor to Frank W. Whitcher Company, Portland, Me., and Boston, Mass. Heel protectors. 50,599; renewed Mar. 27, 1926.
Whitcher, Frank W., Boston, Mass., assignor to Frank W. Whitcher Company, Boston, Mass., and Portland, Me. Box-toe material and inner soling. 50,600; renewed Mar. 27, 1926.
Whitney, Joseph B., assignor to The Brilliant Silk Mfg. Co., Inc., New York, N. Y. Silks. 46,734; renewed Oct. 3, 1925.
Wichita Creamery Company, The, Wichita, Kans. Butter. 206,453; Dec. 1; Serial No. 217,651; published Sept. 22, 1925.
Williamson, Florence, Chicago, Ill. Salad dressings. 206,447; Dec. 1; Serial No. 216,958; published Sept. 22, 1925.
Wilshire, Gaylord, doing business as The Iona Company, Los Angeles, Calif. Life belt and heat pad. 206,401; Dec. 1; Serial No. 218,348; published Sept. 15, 1925.
Wilson, Francis J., doing business as The Galveston Coffee & Spice Mills, Galveston, Tex. Ground coffee, tea, flavoring extracts, and vinegar. 206,436; Dec. 1; Serial No. 217,059; published Sept. 22, 1925.
Wing, John, assignor to J. W. Peak, New Bedford, Mass. Lubricating oil for watches and clocks. 51,258; renewed Apr. 10, 1926.
Wizard Lightfoot Appliance Company, St. Louis, Mo. Arch supports, heel levelers, heel rests, corn pads, etc. 206,483; Dec. 1; Serial No. 218,149; published Sept. 15, 1925.
Wyko Projector Corporation, New York, N. Y. Projection apparatus, photographic films, and motion-picture screens. 206,497; Dec. 1; Serial No. 217,438; published Sept. 22, 1925.



Young, Mary C.; Gulf Manufacturing Company, Limited, New Orleans, La., successor. Baking and yeast powders. 45,522; renewed Aug. 22, 1925.
Young, Wilbur F.; W. F. Young, Inc., Springfield, Mass., successor. Liniments and embrocations. 49,322; renewed Jan. 30, 1926.

## ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Arnold, F. R., & Co., New York, N. Y. Poudre de Beaute Fracy Paris France. For Face Powder. 29,567; Dec. 1.
Automatic Paper Machinery Co. Inc., Hilton, N. J. Handicut Wax Paper Roll. For Rolls of Waxed Paper. 29,568; Dec. 1.
Ayer Company, The, Lowell, Mass. Helthtone. For Health Tonic. 29,569; Dec. 1.
Big Four Cigar Co., Tampa, Fla. Cigars. For Cigars. 29,570; Dec. 1.
Castro, Manuel N., San Antonio, Tex. Flavored tooth picks. For Flavored Toothpicks. 29,571; Dec. 1.
Cinelli, G., Company, Tacoma, Wash. Cinelli's Tripoli Brand. For Olive Oil. 29,572; Dec. 1.
Claussen, C. F., & Sons, Inc., Chicago Ill. Claussen's Sandwich Pickles. For Bottles of Sandwich Pickles. 29,573; Dec. 1.
Florian Inc., Des Moines, Iowa. Florian. For Shaving Soap. 29,574; Dec. 1.
Foosaner & Harris, Freehold, N. J. The Famous Home Made Original Peanut Brittle. For Peanut Brittle. 29,575; Dec. 1.
Fox Co., The. (See Newton, Carl D.)
Hammondsport Mills, Hammondsport, N. Y. H M Prepared Pancake Flour. For Flour. 29,576; Dec. 1.
Heck-Conard Co. Inc., The, Kansas City, Mo. Heck. For Deodorant. 29,577; Dec. 1.
Kaffee Hag Corporation, Cleveland, Ohio. Kaffee Hag. For Coffee. 29,578; Dec. 1.
Li Mandri, John, doing business as Limandri, New York, N. Y. Li Mandri Famous Royal Toilet Preparation. For Royal Beauty Cream. 29,579; Dec. 1.
Milwaukee Paper Box Co., The, Milwaukee, Wis. Red Circle Old Rose. For Candy. 29,580; Dec. 1.
Missouri Company, The. (See Roll, Walter G.)
Newton, Carl D., doing business as The Fox Co., San Antonio, Tex. Border Fox Tone Picture. For Photographic Prints. 29,581; Dec. 1.
Pioneer Rubber Mills, San Francisco, Calif. Ain't Gwine Rain No Mo'. For Rubber Hose. 29,582; Dec. 1.
Roll, Walter G., doing business as The Missouri Company, St. Louis, Mo. Shiner. For Shiner Powder. 29,583; Dec. 1.
Rubin, L., & Son, Brooklyn, N. Y. Sunshine Brand. For Sirups. 29,584; Dec. 1.
Schlitz, Jos., Beverage Co., doing business as Schlitz, Milwaukee, Wis. Schlitz Ginger Ale. For Ginger Ale. 29,585; Dec. 1.
Sherman, Thomas G., Fayette, Mo. Honee-Lu. For a Soft Drink. 29,586; Dec. 1.
Unity Beverage Co., Chicago, Ill. Unity Oregon. For Malt Extract. 29,587; Dec. 1.
Unity Beverage Co., Chicago, Ill. Unity Bock. For Malt Extract. 29,588; Dec. 1.
Unity Beverage Co., Chicago, Ill. Unity Beverage Company. For Malt Extract. 29,589; Dec. 1.
Waitt's Laboratory Co., Lynn, Mass. Waitt's Indian Remedy Salve. For Salve. 29,590; Dec. 1.

## ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Bauerlein, Incorporated, New Orleans, La. Yes! Bananas The Body Builder. For Bananas. 8,406; Dec. 1.
Brown Manufacturing Company, Greenville, Tenn., Ramon's Brownie Calendar. For Merchandise. 8,407; Dec. 1.
Cream of Wheat Co., Minneapolis, Minn. The Value of Carbohydrate in Infant Foods. For Wheat Breakfast Food. 8,408; Dec. 1.
Cream of Wheat Co., Minneapolis, Minn. Diet Too Often Neglected in the "Pre-School Age." For Wheat Breakfast Food. 8,409; Dec. 1.
Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. Good—Wingfoot—Year Wingfoot Heels Good Wear Guaranteed To Outwear Any Other Heel Or a New Pair Free. For Heels for Boots and Shoes Made Wholly or in Part of Rubber. 8,410; Dec. 1.
Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. Good—Wingfoot—Year Wingfoot Soles Guaranteed To Outwear Any Other Sole—Or A New Pair Free At Your Repairman's . . . Or On New Shoes Walking, Working, School, Play. For Soles or Half Soles for Boots or Shoes Made Wholly or in Part of Rubber. 8,411; Dec. 1.
Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. Good—Wingfoot—Year Wingfoot Soles & Heels Walking — Working — School—Play—It Means—Good Workmanship — Good Materials — Good Wear. For Soles and Heels for Boots and Shoes Composed Wholly or in Part of Rubber. 8,412; Dec. 1.
Hartmann Trunk Company, Racine, Wis. Garment Protective Cushion. For Cushion Tops for Wardrobe Trunks. 8,413; Dec. 1.
Mathews, Frederick C., Company, Detroit, Mich. Frosties Gathering Todays Flavors. For Ice Cream. 8,414; Dec. 1.
Mathews, Frederick C., Company, Detroit, Mich. The Chocolate Frostie. For Ice Cream. 8,415; Dec. 1.
Mathews, Frederick C., Company, Detroit, Mich. Prince Progress. For Ice Cream. 8,416; Dec. 1.
Mathews, Frederick C., Company, Detroit, Mich. Fairies—Richness and Flavor. For Ice Cream. 8,417; Dec. 1.
Mathews, Frederick C., Company, Detroit, Mich. The Pineapple Frostie. For Ice Cream. 8,418; Dec. 1.
Reynolds Spring Company, Jackson, Mich. No. 500 Universal Heater Connector. For Heater Connecters. 8,419; Dec. 1.
Reynolds Spring Company, Jackson, Mich. No. 360 Three Way Combination Plug. For Plugs. 8,420; Dec. 1.
Reynolds Spring Company, Jackson, Mich. No. 340 Angle Three Way Combination Plug. For Plugs. 8,421; Dec. 1.
Reynolds Spring Company, Jackson, Mich. No. 240 Angle Two Way Combination Plug. For Plugs. 8,422; Dec. 1.
Reynolds Spring Company, Jackson, Mich. No. 420 Plug. For Plugs. 8,423; Dec. 1.
Rufflo, Louis, New York, N. Y. Waveasy Clips. For Automatic Water-Waving Clips For Waving Human Hair. 8,424; Dec. 1.
Seaboard Rice Milling Co., Galveston, Tex., and New York, N. Y. Comet Rice. For Rice. 8,425; Dec. 1.
Venus Corporation, The, New York, N. Y. Venus Compressed Sanitary Napkin. For Sanitary Napkins. 8,426; Dec. 1.

## ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Adam, J. N., & Co., Buffalo, N. Y. Hosiery. 221,732; Dec. 1.
Adams Bros. & Co., Chicago, Ill. Jar caps. 208,944; Dec. 1.
Allen, Edward B., Newtown, Conn. Bath, flesh, and massage brushes. 220,108; Dec. 1.
Allen Quimby Clothespin Company, Stockholm, Me. Clothespins. 220,488; Dec. 1.
Altman, B., & Co., New York, N. Y. Ladies' hats. 221,045; Dec. 1.
American Stores Company, Philadelphia, Pa. Grape Juice. 220,824; Dec. 1.
Ansco Photoproducts, Inc., Binghamton, N. Y. Photographic mounts and albums. 219,796; Dec. 1.
Ansted & Burk Co., The, Springfield, Ohio. White table meal and yellow table meal. 220,332; Dec. 1.
Armstrong Cork Company, Lancaster, Pa. Linoleum. 221,583; Dec. 1.
Ashley, Homer, doing business as Ashley and Company, Dallas, Tex. Hair tonic. 221,158; Dec. 1.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Astral Radio Corporation, Philadelphia, Pa. Radio receiving sets and parts thereof. 220,160; Dec. 1.
Atmos Products Corporation, New York, N. Y. Humidifying chemical compound. 222,058; Dec. 1.
Audak Company. (See Weil, Maximilian.)
Bay State Milling Company, Winona, Minn. Flour, meal, cereals, bran, and stock feeds. 221,229; Dec. 1.
Belgian Trading Company, Inc., New York, N. Y. Vanilla extract. 219,471; Dec. 1.
Bell Record Corporation, Newark, N. J. Phonograph records. 221,161; Dec. 1.
Better Health Company, Smyrna, Del. Laxative. 221,474; Dec. 1.
Bing Werke vorm. Gebrüder Bing A. G., Nuremberg, Germany. Phonographs and talking machines. 218,446; Dec. 1.
Bingham & Co., New York, N. Y. Straw hats for men. 217,499; Dec. 1.
Black & White Milling Company, East St. Louis, Ill. Cereals and cereal products. 220,284; Dec. 1.
Blanke, C. F., Candy Co., Branch of C. F. Blanke Tea & Coffee Co., St. Louis, Mo. Candy. 222,001–2; Dec. 1.
Blue Bird Inc. Perfumers, New York, N. Y. Nail white, eyelash grower, rouge, cuticle cream, etc. 196,688; Dec. 1.
Boera Bros., New York, N. Y. Hats. 220,594; Dec. 1.
Bonwit Teller & Co., New York, N. Y. Hosiery. 221,691–2; Dec. 1.
Borchers, Frederick, Sioux City, Iowa. Medicine for pyorrhea and ailments of the oral tissues. 222,003; Dec. 1.
Bozeman Canning Co., Bozeman, Mont. Canned peas. 219,932; Dec. 1.
Brandt Cabinet Works, The, Hagerstown, Md. Library and living-room tables. 221,231; Dec. 1.
Bresigw, William, Yonkers, N. Y. Antiseptic and astringent remedy. 222,009; Dec. 1.
Bromund, E. A., Co., New York, N. Y. Beeswax, spermaceti, and ceresin. 218,790; Dec. 1.
Brown-Durrell Co., New York, N. Y. Stockings. 221,736; Dec. 1.
Brown, Edith, New York, N. Y. Radio receiving sets. 197,321; Dec. 1.
Brubaker, A. C., Luray, Va. Ointment for eczema, tetter, and piles. 222,162; Dec. 1.
Bryant Electric Company, The, Bridgeport, Conn. Electric insulating composition. 219,269; Dec. 1.
Budd's, Washington, D. C. Ice cream, cakes, pastry, and candy. 202,324; Dec. 1.
Bulova Watch Company, Inc., New York, N. Y. Watchcases. 220,393; Dec. 1.
Burde, Max, New York, N. Y. Medical preparation used as a laxative. 222,107; Dec. 1.
Burrus-Rice-Bilderback, Dr., Winters, Tex. Preparation for the teeth and gums. 220,886; Dec. 1.
Buttery, Lester L., doing business as Rid-O Dander Co., Cuero, Tex. Preparation for the treatment of dandruff. 221,048; Dec. 1.
Carew Manufacturing Company, South Hadley Falls, Mass. Writing and printing paper and mailing envelopes. 221,165; Dec. 1.
Carolina Casket Company, High Point, N. C. Caskets and coffins. 221,349; Dec. 1.
Carter's Ink Company, The, Cambridge, Mass. Writing ink. 220,395; Dec. 1.
Chase, L. C., & Company, Boston Mass. Textile fabric coated with rubber or waterproof surface coating. 219,272; Dec. 1.
Chicago Mail Order Company, Chicago, Ill. Face powder, vanishing and cold creams, rouge, bath salts, etc. 222,163; Dec. 1.
Chickee Company, New York, N. Y. Face creams, rouges, hair tonics, etc. 221,659; Dec. 1.
Chicle Products Company, The, Newark, N. J. Candy. 220,496; Dec. 1.
Chill Products Corporation, Los Angeles, Calif. Dried sweet pepper. 221,304; Dec. 1.
Citizens Coal Company. (See Sellers, John P.)
Cluett, Peabody & Co. Inc., Troy, N. Y. Collars. 215,233; Dec. 1.
Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. 220,760; Dec. 1.
Colgate & Company, Jersey City, N. J. Shaving soap and shaving sticks. 213,890; Dec. 1.
Colombo Commercial Company, Ltd., London, England, and Colombo, Ceylon. Tea. 219,716; Dec. 1.
Colombo Commercial Company, Ltd., London, England, and Colombo, Ceylon. Tea. 219,718; Dec. 1.
Colombo Commercial Company, Ltd., London, England, and Colombo, Ceylon. Tea. 219,720–5; Dec. 1.
Colonol Limited, London, England. Liquid paraffin for medicinal purposes for human use. 204,088; Dec. 1.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 221,239; Dec. 1.
Columbia Orange Crush Bottling Company. (See Lefas, Stephen, D.)
Columbian Hardware Company, The, Cleveland, Ohio. Vises, anvils, and clamps. 220,639; Dec. 1.
Columbus Shirt Company, Chicago, Ill. Men's shirts and women's shirt waists. 221,096; Dec. 1.
Corte Publishing Company, New York, N. Y. Monthly magazine. 222,221; Dec. 1.
Crane-Kent Clothes Inc., Cincinnati, Ohio. Coats, trousers, vests, and suits. 220,762; Dec. 1.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind. Wire fence. 222,309; Dec. 1.
Crispette Company, The, Minneapolis, Minn. Hard bread. 221,242; Dec. 1.
Crystal-Lee, Inc., New York, N. Y. Face powders, face creams, perfumes, rouges, etc. 222,014; Dec. 1.
Curtis Publishing Company, The, Philadelphia, Pa. Periodicals issued monthly. 221,880; Dec. 1.
Darce, Coldon J., Jeanerette, La. Food-flavoring extracts. 220,888; Dec. 1.
Davis, Kins C., Douglas, Ga. Remedy for purifying blood, pills, liniment, salves, etc. 186,048; Dec. 1.
Davison, Alvah, New York, N. Y. Annual publication. 221,410; Dec. 1.
Delton & Pashen, New York, N. Y. Vegetable dressing for salads, etc. 217,671; Dec. 1.
Dickie-Raymond, Boston, Mass. House organ published monthly. 218,625; Dec. 1.
Dixie Underwear Co., Inc., Montgomery, Ala. Underwear and hosiery. 221,098; Dec. 1.
Doherty-Wadsworth Co., The, Paterson, N. J. Silk piece goods. 221,599; Dec. 1.
Donahue, Edw. J., Chicago, Ill. Shoes made of leather only. 207,181; Dec. 1.
Dough-Boy Dough-Saver Series Company, St. Louis, Mo. Series of fanciful pictures. 201,838; Dec. 1.
Dryden Rubber Company, Chicago, Ill. Soles for shoes. 204,091; Dec. 1.
Dudley, Harry J., Cincinnati, Ohio. Shoes. 210,449; Dec. 1.
Duro Pump and Manufacturing Company, The, Dayton, Ohio. Filters and water-softening apparatus. 220,508; Dec. 1.
Duro Pump and Manufacturing Company, The, Dayton, Ohio. Pneumatic pressure systems, pumps, explosive engines, etc. 220,509; Dec. 1.
Easton, Gilbert J., Inc., Newark, N. J. Mayonnaise and Thousand Island dressings. 218,898–9; Dec. 1.
Elbar Laboratories. (See Lyndall, Frank S.)
Ellis-Jones Drug Company, Memphis, Tenn. Publication issued monthly. 221,173; Dec. 1.
Enjoystep Products, The. (See Zacharia, Sylvan.)
Fahl, J. J., Chicago, Ill., Medicinal preparation for distemper in dogs. 220,601; Dec. 1.
Famous Features Syndicate, Inc., New York N. Y. Newspaper feature articles. 222,230; Dec. 1.
Fansteel Products Company, Inc., North Chicago, Ill. Battery-charger units, rectifier cells, transformers, and resistance units and parts thereof. 219,953; Dec. 1.
Finch Baking Company, Inc., Erie, Pa. Bread. 216,384; Dec. 1.
First National Laboratories, Incorporated, Lehighton, Pa. Cold cream, blood and nerve tonic, pills for cold and grippe, etc. 220,117; Dec. 1.
Fischer, Carl, Inc., New York, N. Y. Clarinets, saxophones, oboes, etc., and reeds for the said instruments. 216,094; Dec. 1.
Flam Company, The. (See Graber, Boris M.)
Florman, Irving, New York, N. Y. Wrapping for vehicle springs. 213,435; Dec. 1.
Forstmann & Hoffmann Company, Passaic, N. J. Woolen piece goods. 221,310; Dec. 1.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 221,312; Dec. 1.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 221,698; Dec. 1.
Fort Company, The, assignor to General Seafoods Corporation, Gloucester, Mass. Canned fish. 201,230; Dec. 1.
Fortune Products Company, Chicago, Ill. Chocolate coatings for edible substances. 220,604; Dec. 1.
Franchon Company, The, Philadelphia, Pa. Dresses. 221,814; Dec. 1.
Fullerton Mutual Orange Association, Fullerton, Calif. Oranges, lemons, and grapefruit. 217,552; Dec. 1.
Gabriel, Saml., Sons & Company, New York, N. Y. Printed books. 219,888; Dec. 1.
Gaffney & Cord, Philadelphia, Pa. Insect destroyer. 220,226; Dec. 1.
Garland Hosiery Mills. (See Sarfert, Chas.)
General Seafoods Corporation. (See Fort Company, assignor.)
Ghosn Ghosn, doing business as G. Ghosn Canning Co., Mossyrock, Allune, and Salkum, Wash. Canned fruits. 215,006; Dec. 1.
Gilmore Oil Company, Los Angeles, Calif. Asphalt. 220,715; Dec. 1.
Girl Scouts, Inc., New York, N. Y. Monthly magazine. 221,699; Dec. 1.
Gisiger, Han, New York, N. Y. Watches, watchcases, watch dials, and watchworks. 219,890; Dec. 1.
Glass, Henry, & Co., New York, N. Y. Cotton and combination of silk and cotton piece goods. 217,930; Dec. 1.
Globe Dairy Lunch Co., Inc., Los Angeles, Calif. Ice cream, pies, cakes, fruit salads, etc. 212,921; Dec. 1.



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Goldburg, Edward, Eagle Pass, Tex. Shoes. 217,147; Dec. 1.
Gonzalez Bros. & Co., New York, N. Y. Hosiery. 218,964; Dec. 1.
Goodall Worsted Co., Sanford, Me. Mohair, cotton, wool, mohair, alpaca, etc., piece goods. 218,481; Dec. 1.
Goodman, Kennard E., Wilmington, Ohio. Preparation for the treatment of the cigarette habit. 221,054; Dec. 1.
Gould, Norman, New York, N. Y. Hosiery. 221,113; Dec. 1.
Graber, Boris M., doing business as The Flam Company, Chicago, Ill. Medicine for coughs, colds, etc. 221,893; Dec. 1.
Grainger Bros. Co., Lincoln, Nebr. Canned vegetables, fruits, and seafoods, etc. 220,523; Dec. 1.
Great Lakes Varnish Works, Inc., Chicago, Ill. Ready-mixed paints. 218,960; Dec. 1.
Grebe, A. H., & Co., Inc., Richmond Hill, N. Y. Variable condensers. 210,658; Dec. 1.
Green Manufacturing Co., San Francisco, Calif. Reducing cream. 218,634; Dec. 1.
Grosse Company, The, Los Angeles, Calif. Bleach, cleansing and tissue creams and liquid powder base. 221,959; Dec. 1.
H P Coffee Company, St. Louis, Mo. Coffee. 220,126; Dec. 1.
Hain, Frank W. A., doing business as Reo Chemical Co., Newark, N. J. Cough medicines. 218,699; Dec. 1.
Hancock, Martha E., doing business as The Martha Hancock Co., Springfield, Mass. Complexion cream. 221,486; Dec. 1.
Harmony Co., The, Portland, Oreg. Coats, suits, dresses, and lingerie. 221,830; Dec. 1.
Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric pull sockets. 212,923; Dec. 1.
Hermans, James, New York, N. Y. Powder used as a mouth wash, dentifrice, and throat gargle. 221,488; Dec. 1.
Herrmann, A. S., Inc., New York, N. Y. Textiles of silk, linen, etc., and tablecloths, sheets, and pillowcases. 218,917; Dec. 1.
Hewitt, Charles, & Sons Co., Des Moines, Iowa. Canned vegetables, fruit jams, canned sea food, etc. 220,406; Dec. 1.
Hillcrest Silk Mills, West New York, N. J., and New York, N. Y. Silk, cotton, and artificial-silk fabrics and mixtures of the same. 206,852; Dec. 1.
Hiscox Chemical Works, Patchogue, N. Y. Toilet preparation for the hair. 218,757; Dec. 1.
Höding, Max H. W., Hamburg, Germany. Packing material for steam, water, and gas joints. 218,969; Dec. 1.
Hollywood Beverage Co. (See Lutz, William G.)
Homan-Hughes Company, The, Cincinnati, Ohio. Ladies' shoes, slippers, and boots. 208,314; Dec. 1.
Home Service Textile Co. Inc., New York, N. Y. Silk, wool, cotton, and mixtures piece goods. 220,899; Dec. 1.
Hoopeston Canning Co. Hoopeston, Ill. Canned corn. 218,179; Dec. 1.
Houbigant, Inc., New York, N. Y. Rouges. 214,796; Dec. 1.
Hughes, K. A., Company, Boston, Mass. Laxative pills or tablets. 222,070; Dec. 1.
Hurst-Bollin Co., Clarksville, Tenn. Wheat flour. 220,536; Dec. 1.
Ingraham, E., Company, The, Bristol, Conn. Clocks. 220,070; Dec. 1.
Ingraham, E., Company, The, Bristol, Conn. Clocks. 220,072–3; Dec. 1.
Jellicious, Inc., San Francisco, Calif. Mixture for making fruit jelly. 221,969; Dec. 1.
Johncox & Co., Inc., Canandaigua, N. Y. Ginger ale. 220,458; Dec. 1.
Johnson Educator Food Company, Cambridge, Mass. Peanut-butter sandwiches. 201,900; Dec. 1.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Eggs and dressed poultry. 220,719; Dec. 1.
Kali Manufacturing Co., Philadelphia, Pa. Oils, compound of oils, and vegetable and mineral oils. 219,074; Dec. 1.
Kaufmann Department Stores Inc., Pittsburgh, Pa. Suits and overcoats. 201,144; Dec. 1.
Kent, George E., Toronto, Ontario, Canada. Match strikers. 214,798; Dec. 1.
Kier Letter Company, Chicago, Ill. House organ. 222,125; Dec. 1.
Kloster Steel Corporation, Chicago, Ill. Steel. 222,325; Dec. 1.
Knickerbloom Co. (See Seamon, Max.)
Kova Brush & Broom Manufacturing Company, Greensburg, Ind. Broomcorn and fiber brooms. 220,905; Dec. 1.
Kreeger Store, Incorporated, The, New Orleans, La. Women's and misses' apparel. 219,190; Dec. 1.
Kypros, Angelos, doing business as Real Bar Candy Factory, Springfield, Mo. Chocolate-coated ice-cream-filled cones. 220,409; Dec. 1.
Lady Margaret Toilet Goods Co., Fort Worth, Tex. Cleansing cream, muscle oil, pore cream, skin tonic, rouge, etc. 221,624; Dec. 1.
Landis Machine Company, St. Louis, Mo. Lubricating oils and greases. 220,239; Dec. 1.
Landis Machine Company, St. Louis, Mo. Machine needles and awls. 220,240; Dec. 1.
Langlois, New York. (See United Drug Company.)
Law Canning Co., The, Portland, Oreg. Fried egg noodles. 220,547; Dec. 1.
Lefas, Stephen D., doing business as Columbia Orange Crush Bottling Company, Washington, D. C. Beverages sold as soft drinks. 221,120; Dec. 1.
Leland Corporation, The, Boston, Mass. Knickers, bloomers, chemises, vests, etc. 217,628; Dec. 1.
Le Rae Hat Co., The, St. Louis, Mo. Ladies' hats. 213,789; Dec. 1.
Leslie-Judge Company, New York, N. Y. Magazine section. 222,130; Dec. 1.
Liberto, Frank, & Co., San Antonio, Tex. Coffee, tea, spices, peanut butter, etc. 212,741; Dec. 1.
Life Publishing Company, New York, N. Y. Comic strips published periodically. 222,261; Dec. 1.
Linton, P. & A., Co., Providence, R. I. Earrings. 219,970; Dec. 1.
Lionel Trading Co. Inc., New York, N. Y. Perfumes, toilet waters, face lotions, rouges, etc. 221,018; Dec. 1.
Little Princess Headwear Co., New York, N. Y. Infants' and children's hats, bonnets, and caps. 213,383; Dec. 1.
Locke, Sylvanus D., doing business as Scroll Art Company, Bridgeport, Conn. Smokers' stands. 220,388; Dec. 1.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Cheese crackers. 221,264; Dec. 1.
Lotay Company, Inc., New York, N. Y. Pillowettes or sachet bags. 221,325; Dec. 1.
Lutz, William G., doing business as Hollywood Beverage Co., Los Angeles, Calif. Ginger ale. 219,673; Dec. 1.
Lyndall, Frank S., doing business as Elbar Laboratories, Chicago, Ill. Disinfectants. 222,264; Dec. 1.
M. & O. Manufacturing Company, Inc., Seattle, Wash. Laxative food. 219,192; Dec. 1.
Macbean, Edward & Company Limited, Glasgow, Scotland. Waterproof garments. 221,124; Dec. 1.
Marshall Field & Company, Chicago, Ill. Cotton voile in the piece. 218,622; Dec. 1.
Marshall Field & Company, Chicago, Ill. Cotton voile in the piece. 218,625; Dec. 1.
Martin County Co-Op. Oil Company, Triumph, Minn. Gasoline, lubricating oils and greases. 217,938; Dec. 1.
Mauran, John T., Mfg. Co., Providence, R. I. Watch movements. 220,411; Dec. 1.
McElwain, J. F., Company, Nashua, N. H. Rubber heels. 221,267; Dec. 1.
McNally, Mrs. J., Waco, Tex. Hairdressing. 215,081; Dec. 1.
Mechanicville Knitting Co., Mechanicville, N. Y. Boys', girls', and children's underwear. 221,629; Dec. 1.
Meister's, Charles, Sons, Philadelphia, Pa. Spectacles, eyeglasses, and lenses. 218,654; Dec. 1.
Mercedes Buro-Maschinen-werke (See Mez, Gustav.)
Merit Hosiery Company, Inc., The, Ozone Park and New York, N. Y. Hosiery. 219,978; Dec. 1.
Mez, Gustav, doing business as Mercedes Buro-Maschinen-Werke, Post Mehlis in Thuringia, Germany. Calculating machines. 219,437; Dec. 1.
Midulla, Biagio, doing business as B. Midulla Company, New York, N. Y. Cigars. 221,372; Dec. 1.
Mijnhardt, Andries, Utrechtscheweg, Zeist, Netherlands. Preparation for the treatment of freckles and the like. 208,062; Dec. 1.
Mijnhardt, Andries, Utrechtscheweg, Zeist, Netherlands. Medicines for the treatment of toothache, facial neuralgia, grippe, gout, etc. 208,063; Dec. 1.
Miller, Edward C., Williamsport, Pa. Antiseptic astringent and deodorant mouth wash. 221,429; Dec. 1.
Miller, I., & Sons, Inc., Long Island City, N. Y. Shoe dressing. 216,061; Dec. 1.
Miller-Rose Company, La Crosse, Wis. Butter. 221,269; Dec. 1.
Miller-Rose Company, La Crosse, Wis. Eggs. 221,270; Dec. 1.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Composition soles for shoes. 221,271; Dec. 1.
Mitchell Wholesale Grocery & Fruit Company, Mitchell, S. Dak. Coffee, table sirups, cereals, and food-flavoring extracts. 218,713; Dec. 1.
Modern Pure Food Products Co., Providence, R. I. Malt extracts. 221,494; Dec. 1.
Mor-Pak Preserving Company, Fresno, Calif. Preserved and canned fruits. 221,912; Dec. 1.
Morton, Erni M., doing business as Morton's Drug Co., Centertown, Ky. Laxative. 219,440; Dec. 1.
Murdock, Wm. J., Co., Chelsea, Mass. Radio receiving sets. 220,353; Dec. 1.
Mutual Phono Parts Mfg. Corp., New York, N. Y. Radio loud-speaking units. 219,638; Dec. 1.

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Myers, Charles R., Sebastopol, Calif. Printed stationery. 221,373; Dec. 1.
Napier Co., The, New York, N. Y. Bracelets. 215,166; Dec. 1.
Nashua Gummed & Coated Paper Company, Nashua, N. H. Gummed paper tape. 217,525; Dec. 1.
Nathan, M., and Brother, Incorporated, Johnstown, Pa. Underwear. 221,193; Dec. 1.
Nathan Novelty Mfg. Co., New York, N. Y. Metal arch supports. 203,191; Dec. 1.
National Independent Oil Company, Inc., York, Pa. Gasoline. 220,032; Dec. 1.
Newater Company, The. (See Randall, George G.)
Night & Day Chemical Company, Water Valley, Miss. Hairdressing. 220,613; Dec. 1.
Nite-Eye Light Corporation, The, Denver, Colo. Reflectors for electric headlights. 217,287; Dec. 1.
Northern Jobbing Co., Chicago, Ill. Canned corn. 221,561; Dec. 1.
O'My Bottling Syrup Co., also doing business as The O'My Bottling Co., Los Angeles, Calif. Beverage used as a soft drink and extracts and sirups for making the same. 218,321; Dec. 1.
Orange Heights Fruit Association, Corona, Calif. Oranges, lemons, and grapefruit. 218,995; Dec. 1.
Orange Heights Fruit Association, Corona, Calif. Oranges, lemons, and grapefruit. 218,997; Dec. 1.
Ormont Drug & Chemical Co., Inc., Long Island City, N. Y. Russian mineral oil for medicinal use. 221,200; Dec. 1.
Pacific Coast Mineral Co. (See Rivers, John P.)
Palestine Cigarette & Tobacco Co. Inc., Boston, Mass. Cigarettes. 220,357; Dec. 1.
Parke, L. H., Company, Philadelphia, Pa. Coffee. 219,552; Dec. 1.
Parsons & Baker Co., The, Phoenixville, Pa. Ladies' underwear. 220,915; Dec. 1.
Paxton and Gallagher Co., Omaha, Nebr. Radio receiving sets. 220,250; Dec. 1.
Payne Company, The, New York, N. Y. Radio loud speakers. 220,136; Dec. 1.
Peirce, O. W., Company, La Fayette, Ind. Jar rubbers. 220,799; Dec. 1.
Perma Products Co., Bellingham, Wash. Bath salts. 222,045; Dec. 1.
Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Radiators for internal-combustion engines. 219,302; 215,268; Dec. 1.
Piso Company, The, Warren, Pa Medicinal tablets. 221,673; Dec. 1.
Pocahontas Oil Company, The, Cleveland, Ohio. Gasoline. 222,395; Dec. 1.
Polyphonwerke Aktiengesellschaft, Berlin, Germany. Radio apparatus. 216,286; Dec. 1.
Ponchatoula Farm Bureau Association, Ponchatoula, La. Strawberries. 214,440; Dec. 1.
Poulsen, Oluf V., doing business as A. H. Rilse Apothecary, St. Thomas, Virgin Islands. Face tonic. 212,456; Dec. 1.
Power, D., & Sons Limited, Walsall, England. Leather gloves. 220,677; Dec. 1.
Price Trade Publishing Co., Inc., The, New York, N. Y. Monthly trade periodical. 221,507; Dec. 1.
Puritan Pharmaceutical Company, St. Louis, Mo. Face powder, cold cream, peroxide cream, rouge, etc. 215,268; Dec. 1.
R & G Laboratories, Hollywood, Calif. Medicine for the relief of painful menstruation. 221,674; Dec. 1.
Raleigh Haberdasher, Inc., Washington, D. C. Shoes. 220,738; Dec. 1.
Randall, George G., doing business as The Newater Company, Chicago, Ill. Disinfectant and deodorizer. 222,046; Dec. 1.
Reach, A. J., Company, Philadelphia, Pa. Golf bags. 219,350; Dec. 1.
Real Bar Candy Factory. (See Kypros, Angelos.)
Reo Chemical Co. (See Hain, Frank W. A.)
Rich, John P., Swanton, Vt. Lime. 221,074; Dec. 1.
Rid-O Dander Co. (See Buttery, Lester L.)
Rilse, A. H., Apothecary. (See Poulsen, Oluf V.)
Rivers, John P., doing business as Pacific Coast Mineral Co., San Pedro, Calif. Preparation for rheumatism, eczema, skin rash, bruises, etc. 219,205; Dec. 1.
Rock Island Stove Co., Rock Island, Ill. Heater for coal and wood. 205,552; Dec. 1.
Rockwell-Barnes Company, Chicago, Ill. Typewriter paper. 220,874; Dec. 1.
Rogers-Ludlow Incorporated, New York, N. Y. Olive oil. 220,620; Dec. 1.
Ronan, T. J., Co. Inc., Brooklyn, N. Y. Ready-mixed paints, varnishes, and paint enamels. 220,089; Dec. 1.
Rosenthal & Peres, New York, N. Y. Cotton piece goods. 221,453; Dec. 1.
Royal Importing Company, New York, N. Y. Thread, including the needle for stringing and sewing beads. 219,089; Dec. 1.
Rubinovich and Haskell Limited, Montreal, Quebec, Canada. Pipes, cigar and cigarette holders, cases, and pouches. 221,280; Dec. 1.
Rumford Chemical Works, Providence, R. I. Dough assistant. 221,032; Dec. 1.
Sarfert, Chas., doing business as Garland Hosiery Mills, Philadelphia, Pa. Children's stockings. 221,640; Dec. 1.
Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 221,033; Dec. 1.
Schuster Electric Company, Cincinnati, Ohio. Electrical and radio supplies. 205,558; Dec. 1.
Schweiz, Seidengazefabrik A. G., Thal, Switzerland. Bolting cloth. 220,424; Dec. 1.
Scroll Art Company. (See Locke, Sylvanus D.)
Seamon, Max, doing business as Knickerbloom Co., New York, N. Y. Knickerbockers and bloomers. 221,385; Dec. 1.
Sellers, John B., doing business as Citizens Coal Company, Benton Harbor, Mich. Coal. 221,283. Dec. 1.
Shirley, Frieda F., Brookline, Mass. Skin lotion. 221,920; Dec. 1.
Shurilla, Andrew P., Reading, Pa. Horse-radish relish. 220,742; Dec. 1.
Shur-On Standard Optical Company, Inc., Geneva, N. Y. Machine for grinding the surfaces of lenses. 220,148; Dec. 1.
Simms, O., Manufacturing Co., New York, N. Y. Piano benches, bench and seat cushions, roll cabinets, and radiocabinets. 218,215; Dec. 1.
Simms, O., Manufacturing Co., New York, N. Y. Piano benches, bench and seat cushions, roll cabinets, and radiocabinets. 218,217; Dec. 1.
Simon Ackerman Clothes, Inc., New York, N. Y. Suits and topcoats. 221,681; Dec. 1.
Simon Ackerman Clothes, Inc., New York, N. Y. Suits and topcoats. 221,683; Dec. 1.
Simpson, Roberts & Co. Ltd., Halifax, Nova Scotia, Canada. Canned lobsters and lobsters in sealed packages and salmon. 216,437; Dec. 1.
Sitterley, Ralph M., New York, N. Y. Ready-mixed paint. 216,231; Dec. 1.
Sociedad Anonima Elowson y Wester, Ltda., Buenos Aires, Argentina. Butter, cheese, casein, and milk. 220,366; Dec. 1.
Société Worth, Paris, France. Cloaks, jackets, gowns, fur coats, muffs, etc. 212,405; Dec. 1.
Solidsilk Hosiery Co. Inc., New York, N. Y. Hosiery. 205,892; Dec. 1.
Southern Fertilizer & Chemical Company, Savannah, Ga. Fertilizer. 221,980; Dec. 1.
Spalding, A. G., & Bros., New York, N. Y. Bags and suitcases. 220,369; Dec. 1.
Sparks Milling Company, Alton, Ill. Wheat flour. 221,284; Dec. 1.
Specialty Mfg. Co., Des Moines, Iowa. Cork insole cushions. 221,642; Dec. 1.
Standard Auto Products Company. (See Swain, Fred.)
Stein and Windt, Inc., New York, N. Y. Jewelry, not including watches. 220,326; Dec. 1.
Stokes, John S., Summerdale, Philadelphia, Pa. Radio panels, dials, control handles, etc. 201,380; Dec. 1.
Strait & Richards, Inc., Newark, N. J. Electrical heaters. 175,832; Dec. 1.
Swain, Fred, doing business as Standard Auto Products Company, Ohio, Ill. Auto top dressing and valve-grinding compound. 212,702; Dec. 1.
Thayer, Henry, & Co., Inc., Cambridge, Mass. Preparation for the relief of constipation, etc. 219,919; Dec. 1.
Thomas, Brager E., Little Rock, Ark. Female tonic and preparation for making syringe solution. 222,147; Dec. 1.
Tilette Cement Company, Inc., New York, N. Y. Wall finish. 220,430; Dec. 1.
Tinsel Corporation of America, Brooklyn, N. Y. Electric Christmas-tree outfits. 213,600; Dec. 1.
Tittle, Violet, Blountstown, Fla. Hair tonic. 221,647; Dec. 1.
Tri-City Cap Manufacturing Company, Davenport, Iowa. Caps. 220,747; Dec. 1.
Tucker & Goodwin, Inc., Hartford, Conn. Canned peaches, beets, squash, tomatoes, and spinach. 217,430; Dec. 1.
Tuggle, Robert L., Louisville, Ky. Water-treating and boiler-cleaning material. 221,575; Dec. 1.
Tuttle Press Company, The, Appleton, Wis. Florists' crêpe paper. 221,149; Dec. 1.
Tuttle, William S., doing business at Tuttle Law Print, Rutland, Vt. Typewriter paper. 221,468; Dec. 1.
Twin Dry Cell Battery Company, The, Cleveland, Ohio. Electric batteries. 220,583; Dec. 1.
United Drug Company, doing business as Langlois, New York, Boston, Mass. Perfume, toilet water, talcum, face powder, beauty cream, etc. 220,982; Dec. 1.
Veco Mfg. Co., The, South Norwalk, Conn. Electric conduit fittings and electric wiring devices. 184,924; Dec. 1.
Victor X-Ray Corporation, Chicago, Ill. X-ray protective devices and materials. 217,907; Dec. 1.
Vincent Bros. Co., The, Bridgeport, Conn. Coffee. 209,445; Dec. 1.
Waise, Milton, San Francisco, Calif. Shoes and boots. 217,057; Dec. 1.
Warrenton Clam Company, Warrenton, Oreg. Canned clams and salmon. 221,988; Dec. 1.



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Washburn Crosby Company, Minneapolis, Minn. Stock and poultry feed. 221,295; Dec. 1.
Washburn Crosby Company, Minneapolis, Minn. Corn meal, semolina, and rye flour. 221,296; Dec. 1.
Watkins, J. R., Company, The, Winona, Minn. Face creams, antiseptic healing powder, blood and skin tonic, etc. 207,905; Dec. 1.
Waupun Canning Company, Waupun, Wis. Canned peas. 221,989; Dec. 1.
Weil, Maximilian, doing business as Audak Company, New York, N. Y. Phonographs and mechanical-phonograph-record demonstrating and testing apparatus and the replacement parts thereof. 183,512; Dec. 1.
Weinberg, Irving, Dress Company, Inc., New York, N. Y. Dresses. 220,782; Dec. 1.
Wernet Dental Mfg. Co. Inc., New York, N. Y. Powder to hold false teeth firmly in place. 220,750; Dec. 1.
White, George S., Los Angeles, Calif. Therapeutic vibrators. 222,056; Dec. 1.
White & Wyckoff Manufacturing Company, Holyoke, Mass. Writing paper and mailing envelopes. 221,341; Dec. 1.
Whitney Mfg. Co., Whitney, S. C. Cotton sheetings. 214,344; Dec. 1.
Widlar Company, The, Cleveland, Ohio. Relish. 219,925; Dec. 1.
Winn, James P., Tudor Hill, Sutton Coldfield, England. Devices or appliances for the protection of the human ear. 221,298; Dec. 1.
Woodbury Shoe Company, Beverly, Mass. Boots and shoes. 203,017; Dec. 1.
Woodill, Alfred L., Riverside, Calif. Oranges, lemons, and grapefruit. 217,977; Dec. 1.
Wood's, T. B., Sons Co., Chambersburg, Pa. Power-transmission appliances. 219,100; Dec. 1.
Y. & B. Hosiery Mills, Reading, Pa. Hosiery. 215,195; Dec. 1.
Yankee Bottling Co., Washington, D. C. Beverages sold as soft drinks. 220,694; Dec. 1.
Yawman and Erbe Mfg. Co., Rochester, N. Y. Filing cabinets. 221,042; Dec. 1.
Zacharia, Sylvan, doing business as The Enjoystep Products, Long Island City, N. Y. Medicinal compounds for the treatment of corns, bunions, etc. 217,316; Dec. 1.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

## CLASS 1.

Box-toe material and inner soling. F. W. Whitcher. 50,600; renewed Mar. 27, 1926.
Coal. Hagan Coal Mines, Inc. 206,547; Dec. 1.
Coal. Pittsburgh Coal Company. 206,353–5; Dec. 1; Serial Nos. 215,018–20; published Sept. 15, 1925.
Flowers, floral pieces, plants, shells, etc. Blue Door Flower Shoppe, Inc. 206,356; Dec. 1; Serial No. 215,197; published Sept. 15, 1925.
Seeds. Safeseed, Inc. 206,375; Dec. 1; Serial No. 201,587; published Sept. 15, 1925.
Silk fiber, Raw artificial. Atlas Dye Works. 206,368; Dec. 1; Serial No. 211,317; published Sept. 15, 1925.

## CLASS 2.

Bags, Paper. Osborn Paper Company. 206,408; Dec. 1; Serial No. 215,703; published Sept. 29, 1925.
Cans, Oil. J. M. Tennison. 206,392; Dec. 1; Serial No. 218,508; published Sept. 22, 1925.
Containers, Cosmetic. Elgin American Manufacturing Co. 206,537; Dec. 1.
Packing and shipping cases, shooks, knockdown boxes, etc. Atlas Plywood Corporation. 206,550; Dec. 1.
Reels, Self-winding hose. W. A. Springowski. 206,382; Dec. 1; Serial No. 183,322; published Sept. 22, 1925.

## CLASS 3.

Bags, suitcases, portfolios, brief cases, etc., Traveling. Travelware Company. 206,410; Dec. 1; Serial No. 214,832; published Sept. 29, 1925.
Bits, trace buckles, steel rings, etc. O. B. North & Co. 206,438; Dec. 1; Serial No. 217,178; published Sept. 15, 1925.
Leather goods. C. F. Rumpp & Sons, Inc. 48,912; renewed Jan. 16, 1926.

## CLASS 4.

Liquid dressing for leather boots and shoes. C. L. Hauthaway & Sons, Incorporated. 50,067; renewed Mar. 6, 1926.
Polishes for wood, metal, etc. C. H. Smith & Co. 49,242; renewed Jan. 30, 1926.
Soap. F. G. Burke. 48,471; renewed Jan. 2, 1926.
Soaps. E. A. Olds. 50,334; renewed Mar. 13, 1926.
Stuffing for leather. W. L. Alexander. 49,026; renewed Jan. 23, 1926.

## CLASS 5.

Mucilage, paste, and adhesive cements. Carter's Ink Company. 50,451; renewed Mar. 20, 1926.

## CLASS 6.

Baking and yeast powders. M. C. Young. 45,522; renewed Aug. 22, 1925.
Baking powder. J. C. Grant Chemical Company. 49,861; renewed Feb. 20, 1926.
Dye colors. W. Cushing & Co. 49,184; renewed Jan. 30, 1926.
Earths, Rare. C. F. W. Cook. 206,468; Dec. 1; Serial No. 217,862; published Sept. 8, 1925.
Flavoring extracts, Solvents for. H. H. Fries. 206,539; Dec. 1.
Hair coloring. Imperial Chemical Mfg. Co. 46,329; renewed Sept. 12, 1925.
Liniments and embrocations. W. F. Young. 49,322; renewed Jan. 30, 1926.
Medicated chewing gum. Dental Chemical Company. 206,462; Dec. 1; Serial No. 216,887; published Sept. 15, 1925.
Medicinal and chemical preparations. Dr. D. Jayne & Son. 48,855–7; renewed Jan. 16, 1926.
Medicine for gonorrhea and urinary canals. R. Cabanes. 206,460; Dec. 1; Serial No. 200,544; published Sept. 8, 1925.
Medicine for indigestion, chronic constipation, etc. R. Cabanes. 206,461; Dec. 1; Serial No. 206,655; published Sept. 8, 1925.
Medicine for the treatment of colds, la grippe, and neuralgia. H. E. Roberts. 206,517; Dec. 1.
Powder, Face. J. Tetlow. 50,393; renewed Mar. 13, 1926.
Preparation for the treatment of rheumatism and of kindred diseases. Norwood Pharmaceutical Company. 206,535; Dec. 1.
Preparation used for the treatment of colds and respiratory infections. Klorine Chemical Co. 206,528; Dec. 1.
Remedy, External. T. Mackenzie. 49,571; renewed Feb. 13, 1926.
Salves, Healing. E. G. Boutillier. 206,541; Dec. 1.
Serum for the treatment of pulmonary and surgical tuberculosis. C. Leventis. 206,526; Dec. 1.
Skin bleach. C. B. Ainscoe. 206,518; Dec. 1.
Starch. E. R. Durkee & Co. 47,743–4; renewed Nov. 21, 1925.
Tablets, Laxative. G. D. Searle & Co., Inc. 206,377; Dec. 1; Serial No. 200,014; published July 28, 1925.
Throat and mouth wash. Dr. W. M. Clawson. 206,360; Dec. 1; Serial No. 211,903; published July 28, 1925.
Tonic, Health-building. Delacroix Laboratories Inc. 206,551; Dec. 1.
Vermifuge. B. A. Fahnestock Co. 49,149; renewed Jan. 23, 1926.

## CLASS 9.

Cartridges. Selby Smelting & Lead Company. 46,247–9; renewed Sept. 12, 1925.
Cartridges. Selby Smelting and Lead Company. 48,217; renewed Dec. 19, 1925.
Cartridges. Selby Smelting and Lead Company. 48,379; renewed, Dec. 26, 1925.

## CLASS 10.

Fertilizers. Federal Chemical Co. 48,476; renewed Jan. 2, 1926.
Fertilizers. Summers Fertilizer Company. 206,424; Dec. 1; Serial No. 210,586; published Sept. 22, 1925.

## CLASS 11.

Inks and writing fluids of all kinds, Writing. Carter's Ink Company. 48,946; renewed Jan. 16, 1926.

## CLASS 12.

Brick and tile. Western Brick Company. 206,443; Dec. 1; Serial No. 217,744; published Sept. 22, 1925.
Bricks, Fire. Wm. Cochran Carr, Limited. 206,379; Dec. 1; Serial No. 202,437; published Sept. 15, 1925.
Cedar wood. D. C. Kinnell. 206,425; Dec. 1; Serial No. 211,790; published Sept. 22, 1925.
Cement, High-temperature. King Refractories Company. 206,411; Dec. 1; Serial No. 214,482; published Sept. 22, 1925.
Cement, Hydraulic. Western States Chemical Products Company. 206,371; Dec. 1; Serial No. 207,319; published Sept. 15, 1925.
Composition for patching cement and concrete surfaces. Sullivan Company. 206,531; Dec. 1.
Compounds for waterproofing and dampproofing and for technical paints. Eternite Chemical Products Corporation. 206,349; Dec. 1; Serial No. 213,960; published Sept. 15, 1925.

Insulating material. Centerville Gypsum Company. 206,345; Dec. 1; Serial No. 212,120; published Aug. 11, 1925.
Partition blocks, Composition. United States Gypsum Company. 206,419; Dec. 1; Serial No. 200,465; published Sept. 22, 1925.
Slate products. Structural Slate Co. 206,468; Dec. 1; Serial No. 216,232; published Sept. 15, 1925.
Steam mains, Casings for underground. American District Steam Company. 206,445; Dec. 1; Serial No. 216,864; published Sept. 22, 1925.
Stucco material, Magnesia-base. Made-Rite Products Co. 206,455; Dec. 1; Serial No. 217,794; published Sept. 22, 1925.
Stucco material, Portland-cement-base. Made-Rite Products. 206,444; Dec. 1; Serial No. 217,792; published Sept. 22, 1925.

CLASS 13.

Alloys, rods, sheets, wire, plates, etc., formed of metal. Ansonia Brass & Copper Company. 46,251; renewed Sept. 12, 1925.
Door holders, Garage. Gesing Brothers Company. 206,471; Dec. 1; Serial No. 216,829; published Sept. 15, 1925.
Dustpans. Mrs. V. A. Wheeler. 206,476; Dec. 1; Serial No. 217,379; published Sept. 15, 1925.
Fencing Wire. Pittsburgh Steel Company. 206,376; Dec. 1; Serial No. 201,375; published Sept. 15, 1925.
Heel protectors. F. W. Whitcher, 50,599; renewed Mar. 27, 1926.
Ladders and trestles, Rubber shoes for. W. A. Lohiker. 206,544; Dec. 1.
Metal ornaments. C. F. Rumpp & Sons, Inc. 48,913; renewed Jan. 16, 1926.
Pipe fittings and valves. Walworth Manufacturing Company. 206,473; Dec. 1; Serial No. 217,123; published Sept. 15, 1925.
Sash adjusters. W. E. Putnam Co. 206,477; Dec. 1; Serial No. 217,956; published Sept. 15, 1925.
Weights, Cattle-horn. A. A. Courtney. 206,396; Dec. 1; Serial No. 218,294; published Sept. 15, 1925.

CLASS 14.

Alloys, Metal. N. V. Hybinette. 206,484; Dec. 1; Serial No. 218,183; published Sept. 15, 1925.
Alloys, Metallic. Gotthardwerke Aktiengesellschaft für Elektrochemische Industrie. 206,412–13; Dec. 1; Serial Nos. 213,782–3; published Sept. 22, 1925.
Castings, Steel. Nugent Steel Castings Company. 206,475; Dec. 1; Serial No. 217,288; published Sept. 15, 1925.
Copper and ingots and castings thereof and wire drawn from the said metal, Hardened. S. R. Dawson. 206,365; Dec. 1; Serial No. 168,874; published Sept. 15, 1925.
Ferrous sheets. Inland Steel Company. 206,350; Dec. 1; Serial No. 214,161; published Sept. 15, 1925.
Gaggers. Franklin Core Rod & Gagger Company. 206,540; Dec. 1.
Iron and steel sheets and plates. Wheeling Steel Corporation. 206,472; Dec. 1; Serial No. 217,001; published Sept. 15, 1925.
Solder. Waterbury Brass Goods Corporation. 206,474; Dec. 1; Serial No. 217,194; published Sept. 15, 1925.
Steel in bars. Poldi Steel Corporation of America. 206,442; Dec. 1; Serial No. 217,736; published Sept. 22, 1925.

CLASS 15.

Gasoline, kerosene, fuel oil, etc. Gilmore Oil Company. 206,525; Dec. 1.
Oil, Lubricating. J. Wing. 51,258; renewed Apr. 10, 1926.

CLASS 16.

Calcimine. Chicago White Lead & Oil Co. 206,478; Dec. 1; Serial No. 217,986; published Sept. 22, 1925.
Oil, Linseed. Portland Linseed Oil Works, Inc. 206,482; Dec. 1; Serial No. 218,142; published Sept. 22, 1925.
Paint and varnish removers. Chicago White Lead & Oil Co. 206,480; Dec. 1; Serial No. 217,992; published Sept. 22, 1925.
Paint for galvanized iron, etc. Chicago White Lead & Oil Co. 206,479; Dec. 1; Serial No. 217,989; published Sept. 22, 1925.
Paint pigments. Lowe Brothers Company. 47,016; renewed Oct. 17, 1925.
Paints, paint enamels, wood stains, etc. Chicago White Lead & Oil Co. 206,481; Dec. 1; Serial No. 217,993; published Sept. 22, 1925.
Paints, primers, varnishes, enamels, etc. Glidden Company. 206,852; Dec. 1; Serial No. 214,956; published Sept. 22, 1925.
Polishes. Instant Products Co. 206,394; Dec. 1; Serial No. 218,414; published Sept. 22, 1925.
Varnish and japan. Mayer & Loewenstein. 48,179; renewed Dec. 12, 1925.
Varnishes and japans. Valentine & Company. 50,705; renewed Mar. 27, 1926.

CLASS 17.

Cigars. W. Boucher. 50,088; renewed Mar. 6, 1926.
Cigars. Y. Pendas & Alvarez. 46,581; renewed Sept. 26, 1925.
Cigars. Schwabacher Bros & Co. 206,393; Dec. 1; Serial No. 218,432; published Sept. 22, 1925.
Cigars, Havana. Havana Commercial Company. 51,237; renewed Apr. 10, 1926.
Cigars, Havana. Havana Commercial Company. 51,291; renewed Apr. 10, 1926.
Tobacco, Plug cut plug, and smoking. Joseph G. Dill, Inc. 45,241; renewed Aug. 8, 1925.

CLASS 19.

Automobile bumpers. C. Offenhauser. 206,357; Dec. 1; Serial No. 215,588; published Sept. 15, 1925.

CLASS 22.

Baseballs, baseball bats, volley balls, etc. Shulman & Sons. 206,511; Dec. 1.
Bow staves, arrows, bats, etc. International Agencies of Schaefer & Hamilton. 206,446; Dec. 1; Serial No. 216,912; published Sept. 29, 1925.
Footballs, handballs, tennis rackets, golf sticks, etc. John Wanamaker, Philadelphia. 206,545; Dec. 1.
Footballs, tennis balls, dumb-bells, etc. John Wanamaker, Philadelphia. 206,507–10; Dec. 1.
Game box with a squeaker inclosed. Daly-Fetherston Corp. 206,362; Dec. 1; Serial No. 215,738; published Sept. 22, 1925.
Game, Fortune-telling. W. W. Long. 206,420; Dec. 1; Serial No. 187,111; published Sept. 29, 1925.
Game, Table board. Daly-Fetherston Corp. 206,361; Dec. 1; Serial No. 215,737; published Sept. 22, 1925.
Gut strings. Armour and Company. 206,378; Dec. 1; Serial No. 198,220; published Sept. 22, 1925.
Sleds and coaster wagons. Marshall-Wells Company. 206,390; Dec. 1; Serial No. 218,562; published Sept. 22, 1925.

CLASS 23.

Letter-embossing machines, addressing machines, etc. Pollard-Alling Manufacturing Company. 206,519; Dec. 1.
Metal specialties and mill supplies, Flat. Franklin Needle Company. 206,532; Dec. 1.
Plows. A. Baldwin & Co. Limited. 50,580; renewed Mar. 27, 1926.
Saw swages. Henry Disston & Sons, Incorporated. 49,711; renewed Feb. 13, 1926.
Saws. Henry Disston & Sons, Incorporated. 49,399–403; renewed Feb. 6, 1926.
Trucks and portable elevators, Lift. Barrett-Cravens Company. 206,524; Dec. 1.

CLASS 25.

Locks and keys. H. Engelbrecht. 206,430; Dec. 1; Serial No. 215,239; published Sept. 22, 1925.
Locks, door bolts, and door plugs, Safe and vault. Anakin Specialty Mfg. Co. 206,431; Dec. 1; Serial No. 215,616; published Sept. 22, 1925.

CLASS 26.

Battery testers. Heyer Products Company. 206,500; Dec. 1; Serial No. 217,876; published Sept. 22, 1925.
Computing machines. Addac Company. 206,429; Dec. 1; Serial No. 214,837; published Sept. 22, 1925.
Drawing instruments. F. Weber Co. 206,406; Dec. 1; Serial No. 215,953; published Sept. 22, 1925.
Photographic material, Sensitized. Ansco Photoproducts, Inc. 206,397–9; Dec. 1; Serial Nos. 218,235–7; published Sept. 15, 1925.
Picture films, Motion-. Metro-Goldwyn Distributing Corporation. 206,370; Dec. 1; Serial No. 209,803; published Sept. 15, 1925.
Picture films, Moving-. Bray Pictures Corporation. 206,391; Dec. 1; Serial No. 218,535; published Sept. 15, 1925.
Pictures, Motion. Banner Productions, Inc. 206,367; Dec. 1; Serial No. 211,655; published Sept. 15, 1925.
Projection apparatus, photographic films, and motion-picture screens. Wyko Projector Corporation. 206,497; Dec. 1; Serial No. 217,438; published Sept. 22, 1925.
Thermometer tubes. Buffalo Dental Manufacturing Co. 47,788; renewed Nov. 21, 1925.

CLASS 29.

Brooms. American Broom & Brush Co. 50,141–2; renewed Mar. 6, 1926.
Brooms. American Broom & Brush Co. 50,200–2; renewed Mar. 6, 1926.
Brooms. Amsterdam Broom Company. 206,534; Dec. 1.
Brooms, brushes, and mops. Service Grocer Company. 206,404; Dec. 1; Serial No. 216,482; published Sept. 29, 1925.
Brushes. J. Sakabe. 50,342; renewed Mar. 13, 1926.
Dust cloths, dust and water mops, wax spreaders, etc. Rubon Woodfinishing & Products Co. 206,454; Dec. 1; Serial No. 217,685; published Sept. 29, 1925.
Dusters, stove dauber, dry mop, etc. Better Brushes, Inc. 206,542; Dec. 1.

CLASS 31.

Refrigerating machines. Iron Mountain Co. 206,441; Dec. 1; Serial No. 217,463; published Sept. 22, 1925.



Refrigerators. Lacross Refrigerator Corporation. 206,418; Dec. 1; Serial No. 202,125; published Sept. 22, 1925.

CLASS 33.

Glass chimneys, lantern globes, and reflectors. Gill Brothers Company. 47,934; renewed Nov. 28, 1925.

CLASS 34.

Burners, Oil. S-K Oil Burner Corporation. 206,358; Dec. 1; Serial No. 215,656; published Aug. 11, 1925.
Heating apparatus. Gorton & Lidgerwood Co. 206,466; Dec. 1; Serial No. 216,039; published Sept. 15, 1925.
Stoves, furnaces, and ranges, and all parts. Detroit Stove Works. 47,100; renewed Oct. 24, 1925.

CLASS 35.

Cold patches, blow-out patches, and boots. J. R. Lawson. 206,522; Dec. 1.
Hose, Fabric. Eureka Fire Hose Company. 47,006; renewed Oct. 17, 1925.
Hose, Hydraulic. Eureka Fire Hose Co. 46,677; renewed Oct. 3, 1925.
Tire-repair kits. Western States Mfg. Co. 206,346; Dec. 1; Serial No. 212,310; published Sept. 15, 1925.

CLASS 37.

Paper, Toilet. Hochschild, Kohn & Company. 206,369; Dec. 1; Serial No. 210,554; published Aug. 18, 1925.

CLASS 38.

Dictionaries. G. & C. Merriam Company. 50,645–6; renewed Mar. 27, 1926.
Publication, Periodical. G. Djamgaroff. 206,359; Dec. 1; Serial No. 215,683; published July 28, 1925.

CLASS 39.

Bathing suits, knitted dresses, etc., Knitted. Mission Knitting Works. 206,348; Dec. 1; Serial No. 213,851; published Sept. 1, 1925.
Boots, shoes, and slippers, Leather. Preston B. Keith Shoe Co. 50,659; renewed Mar. 27, 1926.
Corsets. Chas. A. Stevens & Bros. 46,590; renewed Sept. 26, 1925.
Hosiery. Mascot Knitting Mills. 45,530; renewed Aug. 22, 1925.
Shirts. Cluett, Peabody & Co. Inc. 206,530; Dec. 1.

CLASS 42.

Cotton piece goods. Marshall Field & Company. 206,538; Dec. 1.
Cotton piece goods. Massachusetts Cotton Mills. 46,905; renewed Oct. 17, 1925.
Cotton piece goods. Massachusetts Cotton Mills. 46,907–8; renewed Oct. 17, 1925.
Cotton piece goods. Massachusetts Cotton Mills. 47,008; renewed Oct. 17, 1925.
Cotton piece goods. Tremont & Suffolk Mills. 49,319; renewed Jan. 30, 1926.
Cotton piece goods. Tremont & Suffolk Mills. 49,750; renewed Feb. 13, 1926.
Crêpe in the piece, All-cotton. Ludlum & Carland. 206,546; Dec. 1.
Shirtings and sheetings, cambrics, and long cloth. Grinnell Willis & Co. 50,432–5; renewed Mar. 13, 1926.
Silk piece goods and silk and cotton piece goods. Susquehanna Silk Mills. 206,504; Dec. 1.
Silks. J. B. Whitney. 46,734; renewed Oct. 3, 1925.

CLASS 43.

Thread. Nonotuck Silk Company. 50,194; renewed Mar. 6, 1926.
Yarns, Worsted. S. B. & B. W. Fleisher, Incorporated. 50,388; renewed Mar. 13, 1926.

CLASS 44.

Appliance for holding the mouth closed while sleeping and also for holding back the ears. S. M. Montgomery. 206,501; Dec. 1; Serial No. 217,891; published Sept. 22, 1925.
Arch supports, heel rests, etc. Wizard Lightfoot Appliance Company. 206,483; Dec. 1; Serial No. 218,149; published Sept. 15, 1925.
Cotton, Absorbent. Lewis Manufacturing Company. 206,513–15; Dec. 1.
Dental cutters. Buffalo Dental Manufacturing Co. 46,975; renewed Oct. 17, 1925.
Lamps and bulbs therefor used for medicinal purposes. S. W. Farber, Inc. 206,496; Dec. 1; Serial No 217,397; published Sept. 22, 1925.
Life belt and heat pad. G. Wilshire. 206,401; Dec. 1; Serial No. 218,348; published Sept. 15, 1925.
Massage devices. Frances Jordan, Incorporated. 206,495; Dec. 1; Serial No. 217,278; published Sept. 22, 1925.
Resorbent tamponade. Pearson & Co. Aktiengesellschaft. 206,498; Dec. 1; Serial No. 217,526; published Sept. 22, 1925.
Sanitary napkins. Carson Pirie Scott & Co. 206,372; Dec. 1; Serial No. 208,639; published Sept. 15, 1925.
Serviettes. E. B. Thomas. 206,347; Dec. 1; Serial No. 213,540; published Sept. 15, 1925.
Surgical supplies and hospital equipment, Hospital. Jamison-Semple Co. 206,380; Dec. 1; Serial No. 203,573; published Sept. 15, 1925.
Teething rings. Julius Schmid, Inc. 206,458; Dec. 1; Serial No. 217,900; published Sept. 22, 1925.
Violet-ray tubes and lamps, Ultra-. L. Slominski. 206,469; Dec. 1; Serial No. 216,747; published Sept. 15, 1925.

CLASS 45.

Beverage. American Soda Water Company. 206,512; Dec. 1.
Beverage. Ditta Giuseppe Alberti. 206,489; Dec. 1; Serial No. 213,955; published Sept. 22, 1925.
Beverage sold as a soft drink. G. E. Hinson. 206,351; Dec. 1; Serial No. 214,866; published Sept. 22, 1925.
Beverages. Boonville Mineral Spring Company. 206,502; Dec. 1.
Beverages. Cresta Blanca Liquid Sunshine, Inc. 206,503; Dec. 1.
Beverages. Dixie Coca Cola Bottling Works. 206,470; Dec. 1; Serial No. 216,824; published Sept. 15, 1925.
Beverages. J. Murray. 206,386; Dec. 1; Serial No. 218,866; published Sept. 22, 1925.
Beverages and sirups and concentrates for making the same. Chero-Cola Company. 206,387; Dec. 1; Serial No. 218,734; published Sept. 22, 1925.
Beverages sold as soft drinks. S. D. Lefas. 206,395; Dec. 1; Serial No. 218,315; published Sept. 22, 1925.
Beverages sold as soft drinks and sirups for making the same. Southern Beverage Company. 206,400; Dec. 1; Serial No. 218,219; published Sept. 22, 1925.
Birch beer, and ginger ale. Bay City Beverage Co. 206,414; Dec. 1; Serial No. 213,684; published Sept. 29, 1925.
Ginger ale. Rycroft Artic Soda Co., Limited. 206,506; Dec. 1.
Grape juice. Henry Soodsma & Company. 206,385; Dec. 1; Serial No. 218,878; published Sept. 22, 1925.
Grape juice and ginger ale. Schloss & Kahn Grocery Co. 206,388; Dec. 1; Serial No. 218,667; published Sept. 22, 1925.
Mineral water. Paulson Medicinal Well Company. 206,456; Dec. 1; Serial No. 217,797; published Sept. 29, 1925.
Mineral waters. Actinium Developments, Limited. 206,389; Dec. 1; Serial 218,588; published Sept. 22, 1925.
Sirups and extracts used in the preparation of soft drinks. Allied Fruit & Extract Co. 206,465; Dec. 1; Serial No. 215,956; published Sept. 22, 1925.

CLASS 46.

Apples. Tuolumne Apple Growers' Association. 206,422; Dec. 1; Serial No. 207,636; published Sept. 22, 1925.
Apples, Fresh. T. W. Miller. 206,486; Dec. 1; Serial No. 206,678; published Sept. 22, 1925.
Beef and sliced bacon, Dried. American Stores Company. 206,549; Dec. 1.
Biscuits. Iten Biscuit Co. 206,449; Dec. 1; Serial No. 217,464; published Sept. 22, 1925.
Butter. West Coast Creameries. 206,529; Dec. 1.
Butter. Wichita Creamery Company. 206,453; Dec. 1; Serial No. 217,651; published Sept. 22, 1925.
Candies. Hawley & Hoops. 49,097; renewed Jan. 23; 1926.
Candy. Bunte Brothers. 206,490; Dec. 1; Serial No. 214,123; published Sept. 22, 1925.
Candy. L. C. Johnson. 206,488; Dec. 1; Serial No. 209,921; published Sept. 22, 1925.
Candy, salted and candied peanuts, etc. Planters Nut & Chocolate Company. 206,415; Dec. 1; Serial No. 211,704; published Sept. 22, 1925.
Canned fruits. Campbell Holton & Co. 206,485; Dec. 1; Serial No. 203,509; published Sept. 22, 1925.
Canned fruits. Victor Food Corporation. 206,533; Dec. 1.
Canned fruits and berries. Springbrook Packing Co. 206,493; Dec. 1; Serial No. 216,946; published Sept. 22, 1925.
Canned fruits and vegetables. Victor Food Corporation. 206,536; Dec. 1.
Canned goods, tea, wheat flour. Kroger Grocery & Baking Co. 206,421; Dec. 1; Serial No. 185,601; published Mar. 24, 1925.
Canned peas. Big Four Canning Company. 206,428; Dec. 1; Serial 214,120; published Sept. 22, 1925.
Canned peas, corn, and tomatoes. Easton Canning Corporation. 206,491; Dec. 1; Serial No. 216,091; published Sept. 22, 1925.
Canned vegetables. Portland Packing Company. 47,493–5; renewed Nov. 7, 1925.
Canned vegetables, fruits, and salmon. South Chicago Wholesale Grocery. 206,492; Dec. 1; Serial 216,945; published Sept. 22, 1925.
Caramels, chocolates, candied fruits, etc. Joseph Personeni, Inc. 206,435; Dec. 1; Serial No. 216,692; published Sept. 22, 1925.
Chocolate sirup. Cleveland Fruit Juice Company. 206,516; Dec. 1.
Coconut, Desiccated. Citizens' Wholesale Supply Co. 50,251; renewed Mar. 6, 1926.
Coffee. Jas H. Forbes Tea & Coffee Co. 206,494; Dec. 1; Serial No. 217,087; published Sept. 22, 1925.

Coffee, tea, flavoring extracts, and vinegar, Ground. F. J. Wilson. 206,436; Dec. 1; Serial No. 217,059; published Sept. 22, 1925.
Coffee, tea, rice, and food-flavoring extracts. H. Busch & Co. 206,417; Dec. 1; Serial No. 208,277; published Sept. 22, 1925.
Crackers and cakes. Dayton Biscuit Company. 206,448; Dec. 1; Serial No. 217,394; published Sept. 22, 1925.
Doughnuts. W. G. Schindler. 206,543; Dec. 1.
Feeds and laying mash. Illinois Feed & Elevator Company. 206,457; Dec. 1; Serial No. 217,881; published Sept. 22, 1925.
Figs, Dried. Acme Fruit Packing Co. 206,407; Dec. 1; Serial No. 215,887; published Sept. 22, 1925.
Flour, corn meal, grits, etc., Wheat. Staley Milling Company. 206,452; Dec. 1; Serial No. 217,645; published Sept. 22, 1925.
Flour, Self-rising wheat. Birdsey Flour Mills. 206,451; Dec. 1; Serial No. 217,603; published Sept. 22, 1925.
Flour, Wheat. Acme Milling Company. 48,975; renewed Jan. 6, 1926.
Flour, Wheat. Commander Mill Company. 206,433; Dec. 1; Serial No. 216,258; published Sept. 22, 1925.
Flour, Wheat. L. W. Dann. 206,427; Dec. 1; Serial No. 213,697; published Sept. 22, 1925.
Flour, Wheat. N. Gittlesohn. 206,432; Dec. 1; Serial No. 216,037; published Sept. 22, 1925.
Flour, Wheat. Goerz Flour Mills Company. 206,437; Dec. 1; Serial No. 217,146; published Sept. 22, 1925.
Food for horses, etc., Medicated. United States Food Co. 50,401; renewed Mar. 13, 1926.
Food product, Tablet form of. A. O. McMichael. 206,416; Dec. 1; Serial No. 211,537; published Sept. 22, 1925.
Fruit concentrate. Brocton Jelly Products Co. 206,487; Dec. 1; Serial No. 195,860; published Sept. 22, 1925.
Fruits, jams, crushed fruits, etc., Preserved. Hudson Valley Pure Food Company. 206,467; Dec. 1; Serial No. 216,181; published Sept. 22, 1925.
Hop and malt extract. Blue Ribbon Products Co. 206,440; Dec. 1; Serial No. 217,391; published Sept. 22, 1925.
Ice cream. Chapin-Sacks Corporation. 206,499; Dec. 1; Serial No. 217,696; published Sept. 22, 1925.
Ice cream and sherbets. D. Pearlstein. 206,409; Dec. 1; Serial No. 215,475; published Sept. 22, 1925.
Malt sirups and extracts. Gold Star Products Co. 206,450; Dec. 1; Serial No. 217,557; published Sept. 22, 1925.
Mayonnaise and Thousand Island dressing. Gilbert J. Easton, Inc. 206,520; Dec. 1.
Milk and cream, Fresh. H. L. Black and Son, Inc. 206,459; Dec. 1; Serial No. 218,101; published Sept. 22, 1925.
Milk and cream, Fresh. H. L. Black and Son, Inc. 206,464; Dec. 1; Serial No. 218,102; published Sept. 22, 1925.
Milk, cream, and buttermilk, Fluid. Maryland-Virginia Milk Products Company. 206,363; Dec. 1; Serial No. 215,938; published Aug. 18, 1925.
Milk, cream, buttermilk, Fluid. Maryland-Virginia Milk Products Company. 206,364; Dec. 1; Serial No. 215,939; published Sept. 15, 1925.
Milk, Malted. Dextora Company. 206,403; Dec. 1; Serial No. 216,589; published Sept. 22, 1925.
Olives. Charles P. Gregan Co. 206,521; Dec. 1.
Olives and olive oil. Virden Canning Company. 206,383; Dec. 1; Serial No. 197,849; published Aug. 11, 1925.
Olives, figs, honey, and mayonnaise dressing, Ripe. Virden Canning Company. 206,384; Dec. 1; Serial No. 198,039; published Aug. 11, 1925.
Oranges, lemons, and grapefruit. Glendora Citrus Association. 206,523; Dec. 1.
Oranges, lemons, and grapefruit. H. C. Sullivan. 206,423; Dec. 1; Serial No. 204,127; published Sept. 22, 1925.
Pickled pigs' feet. A. G. Roether. 206,527; Dec. 1.
Potato chips, salted peanuts, and peanut-butter sandwiches. Barrett Potato Chip Company. 206,505; Dec. 1.
Salad dressings. F. Williamson. 206,447; Dec. 1; Serial No. 216,958; published Sept. 22, 1925.
Sandwich dressing. A. N. Adler. 206,405; Dec. 1; Serial No. 216,250; published Sept. 22, 1925.
Sandwiches. American Tourists Service, Inc. 206,434; Dec. 1; Serial No. 216,446; published Sept. 22, 1925.
Sea foods, Fresh. General Seafoods Corporation. 206,439; Dec. 1; Serial No. 217,219; published Sept. 22, 1925.
Shortening, oleomargarine, and salad oil, Prepared. D. A. Blanton. 206,360; Dec. 1; Serial No. 215,731; published Sept. 22, 1925.
Sirup. New Orleans Coffee Company. 206,373; Dec. 1; Serial No. 207,143; published Aug. 11, 1925.
Spice. E. R. Durkee & Co. 47,036; renewed Oct. 24, 1925.
Spices, Ground. Citizens' Wholesale Supply Co. 50,452; renewed Mar. 20, 1926.
Vinegar. H. J. Heinz Company. 51,029; renewed Apr. 3, 1926.
Wheat processed in the can. Dunn Wheat Company. 206,426; Dec. 1; Serial No. 212,125; published Sept. 22, 1925.

CLASS 48.

Beer, Lager. J. Ruppert. 49,727; renewed Feb. 13, 1926.
Beverage, Malt. Takamine Laboratory, Inc. 206,381; Dec. 1; Serial No. 196,082; published Aug. 11, 1925.
Malt beverages. Liebmann Breweries, Inc. 206,548; Dec. 1.
Malt extracts. Trommer Company. 50,700; renewed Mar. 27, 1926.
Malt tonic. Jackson Brewing Company. 206,402; Dec. 1; Serial No. 216,602; published Sept. 29, 1925.

CLASS 50.

Christmas-tree decorations. Carl L. Leon Co. 206,374; Dec. 1; Serial No. 203,579; published Sept. 15, 1925.

## ALPHABETICAL LIST OF LABELS.

Border Fox Tone Picture. For Photographic Prints. C. D. Newton. 29,581; Dec. 1.
Cigars. For Cigars. Big Four Cigar Co. 29,570; Dec. 1.
Cinelli's Tripoli Brand. For Olive Oil. G. Cinelli Company. 29,572; Dec. 1.
Claussen's Sandwich Pickles. For Bottles of Sandwich Pickles. C. F. Claussen & Sons, Inc. 29,573; Dec. 1.
Flavored toothpicks. For Flavored Toothpicks. M. N. Castro. 29,571; Dec. 1.
Florian. For Shaving Soap. Florian Inc. 29,574; Dec. 1.
H M Prepared Pancake Flour. For Flour. Hammondsport Mills. 29,576; Dec. 1.
Handicut wax paper roll. For Rolls of Waxed Paper. Automatic Paper Machinery Co. 29,568; Dec. 1.
Heck. For Deodorant. Heck-Conard Co. 29,577; Dec. 1.
Helthtone. For Health Tonic. Ayer Company. 29,569; Dec. 1.
Honee-Lu. For a Soft Drink. T. G. Sherman. 29,586; Dec. 1.
Kaffee Hag. For Coffee. Kaffee Hag Corporation. 29,578; Dec. 1.
Li Mandri Famous Royal Toilet Preparation. For Royal Beauty Cream. J. Li Mandri. 29,579; Dec. 1.
Poudre de Beaute Fracy Paris France. For Face Powder. F. R. Arnold & Co. 29,567; Dec. 1.
Red Circle Old Rose. For Candy. Milwaukee Paper Box Co. 29,580; Dec. 1.
Schlitz Ginger Ale. For Ginger Ale. Jos. Schlitz Beverage Co. 29,585; Dec. 1.
Shiner. For Shiner Powder. W. G. Roll. 29,583; Dec. 1.
Sunshine Brand. For Sirups. L. Rubin & Son. 29,584; Dec. 1.
Tain't Gwine Rain No Mo'. For Rubber Hose. Pioneer Rubber Mills. 29,582; Dec. 1.
The Famous Home Made Original Peanut Brittle. For Peanut Brittle. Foosaner & Harris. 29,575; Dec. 1.
Unity Beverage Company. For Malt Extract. Unity Beverage Co. 29,589; Dec. 1.
Unity Bock. For Malt Extract. Unity Beverage Co. 29,588; Dec. 1.
Unity Oregon. For Malt Extract. Unity Beverage Co. 29,587; Dec. 1.
Waitt's Indian Remedy Salve. For Salve. Waitt's Laboratory Co. 29,590; Dec. 1.

## ALPHABETICAL LIST OF PRINTS.

Comet Rice. For Rice. Seaboard Rice Milling Co. 8,425; Dec. 1.
Diet Too Often Neglected in the "Pre-School Age." For Wheat Breakfast Food. Cream of Wheat Co. 8,409; Dec. 1.
Fairies—Richness and Flavor. For Ice Cream. Frederick C. Mathews Company. 8,417; Dec. 1.
Frosties Gathering Todays Flavors. For Ice Cream. Frederick C. Mathews Company. 8,414; Dec. 1.
Garment Protective Cushion. For Cushion Tops for Wardrobe Trunks. Hartmann Trunk Company. 8,413; Dec. 1.
Good—Wingfoot—Year Wingfoot Heels Good Wear Guaranteed To Outwear Any Other Heel or a New Pair Free. For Heels for Boots and Shoes Made Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 8,410; Dec. 1.
Good—Wingfoot—Year Wingfoot Soles & Heels Walking—Working—School—Play—It Means—Good Workmanship—Good Materials—Good Wear. For Soles and Heels for Boots and Shoes Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 8,412; Dec. 1.
Good—Wingfoot—Year Wingfoot Soles Guaranteed to Outwear Any Other Sole—Or a New Pair Free at Your Repairman's . . . Or On New Shoes Walking, Working, School or Play. For Soles or Half Soles for Boots or Shoes Made Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 8,411; Dec. 1.
No. 240 Angle Two Way Combination Plug. For Plugs. Reynolds Spring Company. 8,422; Dec. 1.
No. 340 Angle Three Way Combination Plug. For Plugs. Reynolds Spring Company. 8,421; Dec. 1.
No. 360 Three Way Combination Plug. For Plugs. Reynolds Spring Company. 8,420; Dec. 1.
No. 420 Plug. For Plugs. Reynolds Spring Company. 8,423; Dec. 1.
No. 500 Universal Heater Connector. For Heater Connecters. Reynolds Spring Company. 8,419; Dec. 1.
Prince Progress. For Ice Cream. Frederick C. Mathews Company. 8,416; Dec. 1.
Ramon's Brownie Calendar. For Merchandise. Brown Manufacturing Company. 8,407; Dec. 1.
The Chocolate Frostie. For Ice Cream. Frederick C. Mathews Company. 8,415; Dec. 1.
The Pineapple Frostie. For Ice Cream. Frederick C. Mathews Company. 8,418; Dec. 1.
The Value of Carbohydrate in Infant Foods. For Wheat Breakfast Food. Cream of Wheat Co. 8,408; Dec. 1.
Venus Compressed Sanitary Napkin. For Sanitary Napkins. Venus Corporation. 8,426; Dec. 1.
Wavensy Clips. For Automatic Water-Waving Clips For Waving Human Hair. L. Ruffo. 8,424; Dec. 1.
Yes! Bananas The Body Builder. For Bananas. Bauerlein, Incorporated. 8,406; Dec. 1.

## CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. J. P. Sellers. 221,283; Dec. 1.

CLASS 2.

Caskets and coffins. Carolina Casket Company. 221,349; Dec. 1.

CLASS 3.

Bags and suitcases. A. G. Spaulding & Bros. 220,869; Dec. 1.

CLASS 4.

Dressing and valve-grinding compound, Auto top. F. Swain. 212,702; Dec. 1.
Preparation for the hair and bathing purposes, Toilet. Hiscox Chemical Works. 218,757; Dec. 1.
Shoe dressing. I. Miller & Sons, Inc. 216,061; Dec. 1.
Soap and shaving sticks, Shaving. Colgate & Company. 213,890; Dec. 1.

CLASS 6.

Antiseptic astringent and deodorant mouth wash. E. C. Miller. 221,429; Dec. 1.
Bath salts. Perma Products Co. 222,045; Dec. 1.
Beeswax, spermaceti, and ceresin. E. A. Bromund Co. 218,790; Dec. 1.
Chemical compound, Humidifying. Atmos Products Corporation. 222,058; Dec. 1.
Cold cream, blood and nerve tonic, pills for cold and grippe, etc. First National Laboratories, Incorporated. 220,117; Dec. 1.
Cough medicines. F. W. A. Hain. 218,699; Dec. 1.
Cream, Complexion. M. E. Hancock. 221,486; Dec. 1.
Cream, muscle oil, pore cream, skin tonic, rouge, etc., Cleansing. Lady Margaret Toilet Goods Co. 221,624; Dec. 1.
Cream, Reducing. Green Manufacturing Co. 218,634; Dec. 1.
Creams and powder base, Bleach, cleansing, and tissue. Grosse Company. 221,959; Dec. 1.
Creams, hair tonics, rouges, etc., Face. Chickee Company. 221,659; Dec. 1.
Disinfectant and deodorizer. G. G. Randall. 222,046; Dec. 1.
Disinfectants. F. S. Lyndall. 222,264; Dec. 1.
Face creams, antiseptic healing powder, blood and skin tonic, etc. J. R. Watkins Company. 207,905; Dec. 1.
Face powder, cold cream, peroxide cream, rouge, etc. Puritan Pharmaceutical Company. 215,268; Dec. 1.
Face powder, vanishing and cold creams, rouge, bath salts, etc. Chicago Mail Order Company. 222,163; Dec. 1.
Face tonic. O. V. Poulsen. 212,456; Dec. 1.
Hairdressing. Mrs. J. McNally. 215,081; Dec. 1.
Hairdressing. Night & Day Chemical Company. 220,613; Dec. 1.
Hair tonic. H. Ashley. 221,158; Dec. 1.
Hair tonic. V. Tittle. 221,647; Dec. 1.
Insect destroyer. Gaffney & Cord. 220,226; Dec. 1.
Laxative. Better Health Company. 221,474; Dec. 1.
Laxative. M. Burde. 222,107; Dec. 1.
Laxative. E. M. Morton. 219,440; Dec. 1.
Laxative food. M. & O. Manufacturing Company. 219,192; Dec. 1.
Laxative pills or tablets. K. A. Hughes Company. 222,070; Dec. 1.
Lotion, Skin. F. F. Shirley. 221,920; Dec. 1.
Medicinal compounds for the treatment of corns, calli, bunions, etc. S. Zacharia. 217,316; Dec. 1.
Medicinal preparation for distemper in dogs. J. J. Fahl. 220,601; Dec. 1.
Medicinal tablets. Piso Company. 221,673; Dec. 1.
Medicine for coughs, colds, etc. B. M. Graber. 221,893; Dec. 1.
Medicine for pyorrhea and ailments of the oral tissues. F. Borchers. 222,003; Dec. 1.
Medicine for the relief of painful menstruation. R & G Laboratories. 221,674; Dec. 1.
Medicines for the treatment of toothache, facial neuralgia, grippe, gout, etc. A. Mijnhardt. 208,063; Dec. 1.
Nail white, eyelash grower, rouge, cuticle cream, etc. Blue Bird Inc. Perfumers. 196,688; Dec. 1.
Oil for medicinal use, Russian mineral. Ormont Drug & Chemical Co. 221,200; Dec. 1.
Oils, compound of oils, and vegetable and mineral oils. Kali Manufacturing Co. 219,074; Dec. 1.
Ointment for eczema, tetter, and piles. A. C. Brubaker. 222,162; Dec. 1.
Paraffin for medicinal purposes, Liquid. Colonel Limited. 204,088; Dec. 1.
Perfume, toilet water, talcum, beauty cream, etc. United Drug Company. 220,982; Dec. 1.
Perfumes, toilet waters, face lotions, rouges, etc. Lionel Trading Co. 221,018; Dec. 1.
Pillowettes or sachet bags. Lotay Company. 221,325; Dec. 1.
Powder to hold false teeth in place. Wernet Dental Mfg. Co. 220,760; Dec. 1.
Powder used as a dentifrice, mouth wash, and throat gargle. J. Hermans. 221,486; Dec. 1.
Powders, face creams, perfumes, rogues, etc., Face. Crystal-Lee, Inc. 222,014; Dec. 1.
Preparation for rheumatism, eczema, skin rash, bruises, etc. J. P. Rivers. 219,205; Dec. 1.
Preparation for the relief of constipation, etc. Henry Thayer & Co. 219,919; Dec. 1.
Preparation for the teeth and gums. Dr. Burrus-Rice-Bilderback. 220,886; Dec. 1.
Preparation for the treatment of dandruff. L. L. Buttery. 221,048; Dec. 1.
Preparation for the treatment of freckles and the like. A. Mijnhardt. 208,062; Dec. 1.

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Preparation for the treatment of the cigarette habit. K. E. Goodman. 221,054; Dec. 1.
Remedy, Antiseptic and astringent. W. Breslaw. 222,009; Dec. 1.
Remedy for purifying blood, pills, liniment, salves, etc. K. C. Davis. 186,048; Dec. 1.
Rouges. Houbiganti, Inc. 214,796; Dec. 1.
Tonic and preparation for making syringe solution, Female. B. E. Thomas. 222,147; Dec. 1.
Water-treating and boiler-cleaning material. R. L. Tuggle. 221,575; Dec. 1.

CLASS 8.

Match strikers. G. E. Kent. 214,798; Dec. 1.
Pipes, cigar and cigarette holders, cases, and pouches. Rubinovich and Haskell Limited. 221,280; Dec. 1.

CLASS 10.

Fertilizer. Southern Fertilizer & Chemical Company. 221,980; Dec. 1.

CLASS 11.

Ink, Writing. Carter's Ink Company. 220,395; Dec. 1.

CLASS 12.

Asphalt. Gilmore Oil Company. 220,715; Dec. 1.
Lime. J. P. Rich. 221,074; Dec. 1.

CLASS 13.

Fence, Wire. Crawfordsville Wire & Nail Co. 222,309; Dec. 1.

CLASS 14.

Steel. Kloster Steel Corporation. 222,325; Dec. 1.

CLASS 15.

Gasoline. National Independent Oil Company. 220,032; Dec. 1.
Gasoline. Pocahontas Oil Company. 222,395; Dec. 1.
Gasoline, lubricating oils and greases. Martin County Co-Op. Oil Company. 217,938; Dec. 1.
Oils and greases, Lubricating. Landis Machine Company. 220,239; Dec. 1.

CLASS 16.

Paint, Ready-mixed. R. M. Sitterley. 216,231; Dec. 1.
Paints, Ready-mixed. Great Lakes Varnish Works, Inc. 219,960; Dec. 1.
Paints, varnishes, and paint enamels, Ready-mixed. T. J. Ronan Co. 220,089; Dec. 1.
Wall finish. Tilette Cement Company. 220,430; Dec. 1.

CLASS 17.

Cigarettes. Palestine Cigarette & Tobacco Co. 220,357; Dec. 1.
Cigars. B. Midulla. 221,372; Dec. 1.

CLASS 19.

Radiators for internal-combustion engines. Pierce-Arrow Motor Car Company. 219,302; Dec. 1.

CLASS 20.

Linoleum. Armstrong Cork Company. 221,583; Dec. 1.

CLASS 21.

Batteries, Electric. Twin Dry Cell Battery Company. 220,583; Dec. 1.
Battery-charger units, rectifier cells, transformers, and resistance units and parts thereof. Fansteel Products Company. 219,953; Dec. 1.
Condensers, Variable. A. H. Grebe & Co. 210,658; Dec. 1.
Electric Christmas-tree outfits. Tinsel Corporation of America. 213,600; Dec. 1.
Electric conduit fittings and electric wiring devices. Veco Mfg. Co., 184,924; Dec. 1.
Electric insulating composition. Bryant Electric Company. 219,269; Dec. 1.
Electric pull sockets. Hart & Hegeman Manufacturing Company. 212,923; Dec. 1.
Electrical and radio supplies. Schuster Electric Company. 205,558; Dec. 1.
Electrical heaters. Strait & Richards, Inc. 175,832; Dec. 1.
Radio apparatus. Polyphonwerke Aktiengesellschaft. 216,286; Dec. 1.
Radio loud speakers. Payne Company. 220,136; Dec. 1.
Radio loud-speaking units. Mutual Phono Parts Mfg. Corp. 219,638; Dec. 1.
Radio panels, dials, control handles, tube bases, etc. J. S. Stokes. 201,380; Dec. 1.
Radio receiving sets. E. Brown. 197,321; Dec. 1.
Radio receiving sets. Wm. J. Murdock Co. 220,353; Dec. 1.
Radio receiving sets. Paxton and Gallagher Co. 220,250; Dec. 1.
Radio receiving sets and parts thereof. Astral Radio Corporation. 220,169; Dec. 1.
Reflectors for electric headlights. Nite-Eye Light Corporation. 217,287; Dec. 1.

CLASS 22.

Golf bags. A. J. Reach Company. 219,350; Dec. 1.

CLASS 23.

Lenses, Machine for grinding the surfaces of. Sbur-On Standard Optical Company. 220,148; Dec. 1.
Needles and awls, Machine. Landis Machine Company. 220,240; Dec. 1.
Power-transmission appliances. T. B. Wood's Sons Co. 219,100; Dec. 1.
Pressure systems, pumps, explosive engines, etc., and parts thereof, Pneumatic. Duro Pump and Manufacturing Company. 220,509; Dec. 1.
Vises, anvils, and clamps. Columbian Hardware Company. 220,639; Dec. 1.

CLASS 24.

Clothespins. Allen Quimby Clothespin Company. 220,488; Dec. 1.

CLASS 26.

Calculating machines. G. Mes. 219,437; Dec. 1.
Spectacles, eyeglasses, and lenses. Charles Meister's Sons. 218,654; Dec. 1.

CLASS 27.

Clocks. E. Ingraham Company. 220,070; Dec. 1.
Clocks. E. Ingraham Company. 220,072; Dec. 1.
Watchcases. Bulova Watch Company. 220,393; Dec. 1.
Watch movements. John T. Mauran Mfg. Co. 220,411; Dec. 1.
Watches. E. Ingraham Company. 220,073; Dec. 1.
Watches, watchcases, watch dials, and watchworks. H. Gisiger. 219,890; Dec. 1.

CLASS 28.

Bracelets. Napier Co. 215,166; Dec. 1.
Earrings. P. & A. Linton Co. 219,970; Dec. 1.
Jewelry. Stein and Windt, Inc., 220,326; Dec. 1.
Thread including the needle for stringing and sewing beads. Royal Importing Company. 219,089; Dec. 1.

CLASS 29.

Brooms. Kova Brush & Broom Manufacturing Company. 220,905; Dec. 1.
Brushes, Bath, flesh, and massage. E. B. Allen. 220,103; Dec. 1.

CLASS 31.

Filters and water-softening apparatus. Duro Pump and Manufacturing Company. 220,508; Dec. 1.

CLASS 32.

Cabinets, Filing. Yawman and Erbe Mfg. Co. 221,042; Dec. 1.
Piano benches, bench and seat cushions, roll cabinets, and radiocabinets. O. Simms Manufacturing Co. 218,215; Dec. 1.
Piano benches, bench and seat cushions, roll cabinets, and radiocabinets. O. Simms Manufacturing Co. 218,217; Dec. 1.
Stands, Smokers'. S. D. Locke. 220,388; Dec. 1.
Tables, Library and living-room. Brandt Cabinet Works. 221,231; Dec. 1.

CLASS 34.

Heater for coal and wood. Rock Island Stove Co. 205,552; Dec. 1.

CLASS 35.

Jar caps. Adams Bros. & Co. 208,944; Dec. 1.
Packing material for steam, water, and gas joints. M. H. W. Höding. 218,969; Dec. 1.
Rubbers, Jar. O. W. Peirce Company. 220,799; Dec. 1.
Wrapping for vehicle springs. I. Florman. 213,435; Dec. 1.

CLASS 36.

Clarinets, saxophones, oboes, etc., and reeds for said instruments. Carl Fischer Inc. 216,094; Dec. 1.
Phonograph records. Bell Record Corporation. 221,161; Dec. 1.
Phonographs and mechanical-phonograph-record demonstrating and testing apparatus and replacement parts thereof. M. Weil. 183,512; Dec. 1.
Phonographs and talking machines. Bing Werke vorm. Gebrüder Bing A. G. 218,446; Dec. 1.

CLASS 37.

Books. Saml. Gabriel Sons & Company. 219,888; Dec. 1.
Paper and mailing envelopes, Writing. White & Wyckoff Manufacturing Company. 221,341; Dec. 1.
Paper and mailing envelopes, Writing and printing. Carew Manufacturing Company. 221,165; Dec. 1.
Paper, Florists' crêpe. Tuttle Press Company. 221,149; Dec. 1.
Paper tape, Gummed. Nashua Gummed & Coated Paper Company. 217,525; Dec. 1.



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Paper, Typewriter. Rockwell-Barnes Company. 220,874; Dec. 1.
Paper, Typewriter. W. S. Tuttle. 221,463; Dec. 1.
Photographic mounts and albums. Ansco Photoproducts, Inc. 219,796; Dec. 1.
Stationery, Printed. C. R. Myers. 221,378; Dec. 1.

CLASS 38.

Comic strips. Life Publishing Company. 222,261; Dec. 1.
House organ. Kier Letter Company. 222,125; Dec. 1.
House organ published monthly. Dickie-Raymond. 213,625; Dec. 1.
Magazine, Monthly. Corte Publishing Company. 222,221; Dec. 1.
Magazine, Monthly. Girl Scouts, Inc. 221,699; Dec. 1.
Magazine section. Leslie-Judge Company. 222,130; Dec. 1.
Newspaper feature articles. Famous Features Syndicate, Inc. 222,230; Dec. 1.
Periodical, Monthly trade. Price Trade Publishing Co. 221,507; Dec. 1.
Periodicals, Monthly. Curtis Publishing Company. 221,880; Dec. 1.
Pictures, Series of fanciful. Dough-Boy Dough-Saver Series Company. 201,838; Dec. 1.
Publication, Annual. A. Davison. 221,410; Dec. 1.
Publication, Monthly. Ellis-Jones Drug Company. 221,173; Dec. 1.

CLASS 39.

Apparel, Women's and misses'. Kreeger Store, Incorporated. 219,190; Dec. 1.
Boots and shoes. Woodbury Shoe Company. 203,017; Dec. 1.
Caps. Tri-City Cap Manufacturing Company. 220,747; Dec. 1.
Cloaks, jackets, gowns, fur coats, muffs, etc. Société Worth. 212,405; Dec. 1.
Coats, suits, dresses, and lingerie. Harmony Co. 221,830; Dec. 1.
Coats, trousers, vests, and suits. Crane-Kent Clothes Inc. 220,762; Dec. 1.
Collars. Cluett, Peabody & Co. 215,233; Dec. 1.
Dresses. Franchon Company. 221,814; Dec. 1.
Dresses. Irving Weinberg Dress Company. 220,782; Dec. 1.
Garments, Waterproof. Edward Macbean & Company. 221,124; Dec. 1.
Gloves. D. Power & Sons Limited. 220,677; Dec. 1.
Hats. Boera Bros. 220,594; Dec. 1.
Hats, bonnets, and caps, Infants' and children's. Little Princess Headwear Co. 213,383; Dec. 1.
Hats for men, Straw. Bingham & Co. 217,499; Dec. 1.
Hats, Ladies'. B. Altman & Co. 221,045; Dec. 1.
Hats, Ladies. Le Rae Hat Co. 213,789; Dec. 1.
Heels, Rubber. J. F. McElwain Company. 221,267; Dec. 1.
Hosiery. J. N. Adam & Co. 221,732; Dec. 1.
Hosiery. Bonwit Teller & Co. 221,691–2; Dec. 1.
Hosiery. Gonzalez Bros. & Co. 218,964; Dec. 1.
Hosiery. N. Gould. 221,113; Dec. 1.
Hosiery. Merit Hosiery Company. 219,976; Dec. 1.
Hosiery. Solidsilk Hosiery Co. 205,892; Dec. 1.
Hosiery. Y. & B. Hosiery Mills. 215,195; Dec. 1.
Knickerbockers and bloomers. M. Seamon. 221,385; Dec. 1.
Knickers, bloomers, chemises, vests, etc. Leland Corporation. 217,628; Dec. 1.
Shirts and women's shirt waists, Men's. Columbus Shirt Company. 221,096; Dec. 1.
Shoes. E. J. Donahue. 207,181; Dec. 1.
Shoes. H. J. Dudley. 210,449; Dec. 1.
Shoes. E. Goldburg. 217,147; Dec. 1.
Shoes. Raleigh Haberdasher, Inc. 220,738; Dec. 1.
Shoes and boots. M. Weiss. 217,057; Dec. 1.
Shoes, slippers, and boots, Ladies'. Homan-Hughes Company. 203,314; Dec. 1.
Soles for shoes. Dryden Rubber Company. 204,091; Dec. 1.
Soles for shoes, Composition. Mishawaka Rubber and Woolen Manufacturing Company. 221,271; Dec. 1.
Stockings. Brown-Durrell Co. 221,736; Dec. 1.
Stockings, Children's. C. Sarfert. 221,640; Dec. 1.
Suits and overcoats. Kaufmann Department Stores, Inc. 201,144; Dec. 1.
Suits and topcoats. Simon Ackerman Clothes, Inc. 221,681; Dec. 1.
Suits and topcoats. Simon Ackerman Clothes, Inc. 221,683; Dec. 1.
Underwear. M. Nathan and Brother, Incorporated. 221,193; Dec. 1.
Underwear and hosiery. Dixie Underwear Co. 221,098; Dec. 1.
Underwear, Children's. Mechanicville Knitting Co. 221,629; Dec. 1.
Underwear, Ladies'. Parsons & Baker Co. 220,915; Dec. 1.

CLASS 42.

Bolting cloth. Schweiz. Seidengazefabrik A. G. 220,424; Dec. 1.
Cotton and combination of silk and cotton piece goods. Henry Glass & Co. 217,930; Dec. 1.
Cotton piece goods. Cohn Hall Marx Co. 220,760; Dec. 1.
Cotton piece goods. Rosenthal & Perez. 221,453; Dec. 1.
Cotton piece goods. Sayles Finishing Plants, Inc. 221,033; Dec. 1.
Mohair and cotton, wool, mohair, alpaca, etc., piece goods. Goodall Worsted Co. 218,481; Dec. 1.
Sheetings, Cotton. Whitney Mfg. Co. 214,244; Dec. 1.
Silk, cotton, and artificial-silk fabrics and mixtures of the same. Hillcrest Silk Mills. 206,352; Dec. 1.
Silk, linen, etc., fabrics and tablecloths, sheets, and pillowcases. A. S. Herrmann, Inc. 218,917; Dec. 1.
Silk piece goods. Doherty & Wadsworth Co. 221,599; Dec. 1.
Silk, wool, cotton, and mixtures piece goods. Home Service Textile Co. 220,899; Dec. 1.
Voile in the piece, Cotton. Marshall Field & Company. 218,622; Dec. 1.
Voile in the piece, Cotton. Marshall Field & Company. 218,625; Dec. 1.
Woolen piece goods. Forstmann & Huffmann Company. 221,310; Dec. 1.
Woolen piece goods. Forstmann & Huffmann Company. 221,312; Dec. 1.
Woolen piece goods. Forstmann & Huffmann Company. 221,698; Dec. 1.

CLASS 44.

Arch supports, Metal. Nathan Novelty Mfg. Co. 203,191; Dec. 1.
Devices or appliances for the protection of the human ear. J. P. Winn. 221,298; Dec. 1.
Insole cushions, Cork. Specialty Mfg. Co. 221,642; Dec. 1.
Therapeutic vibrators. G. S. White. 222,056; Dec. 1.
X-ray protective devices and materials. Victor X-Ray Corporation. 217,907; Dec. 1.

CLASS 45.

Beverage used as a soft drink and extracts and sirups for making the same. O'My Bottling Syrup Co. 218,321; Dec. 1.
Beverages sold as soft drinks. S. D. Lefas. 221,120; Dec. 1.
Beverages sold as soft drinks. Yankee Bottling Co. 220,694; Dec. 1.
Ginger ale. Johncox & Co. 220,458; Dec. 1.
Ginger ale. W. G. Lutz. 219,673; Dec. 1.
Grape juice. American Stores Company. 220,824; Dec. 1.

CLASS 46.

Bread. Finch Baking Company. 216,384; Dec. 1.
Bread, Hard. Crispette Company. 221,242; Dec. 1.
Butter. Miller-Rose Company. 221,269; Dec. 1.
Butter, cheese, casein, and milk. Sociedad Anonima Elowson y Wester, Ltda. 220,366; Dec. 1.
Candy. C. F. Blanke Candy Co. 222,001–2; Dec. 1.
Candy. Chicle Products Company. 220,496; Dec. 1.
Canned clams and salmon. Warrenton Clam Company. 221,988; Dec. 1.
Canned corn. Hoopeston Canning Co. 218,179; Dec. 1.
Canned corn. Northern Jobbing Co. 221,561; Dec. 1.
Canned fish. Fort Company. 201,230; Dec. 1.
Canned fruits. G. Ghosn. 215,006; Dec. 1.
Canned lobsters, lobsters in sealed packages, and salmon. Simpson, Roberts & Co. 216,437; Dec. 1.
Canned peaches, beets, squash, tomatoes, and spinach. Tucker & Goodwin, Inc. 217,430; Dec. 1.
Canned peas. Bozeman Canning Co. 219,932; Dec. 1.
Canned peas. Waupun Canning Company. 221,989; Dec. 1.
Canned vegetables and fruits, fruit jams, etc. Charles Hewitt & Sons Co. 220,406; Dec. 1.
Canned vegetables and fruits, mustard, spices, etc. Grainger Bros. Co. 220,523; Dec. 1.
Cereals and cereal products. Blank & White Milling Company. 220,284; Dec. 1.
Chocolate coatings. Fortune Products Company. 220,604; Dec. 1.
Coffee. H P Coffee Company. 220,126; Dec. 1.
Coffee. L. H. Parke Company. 219,552; Dec. 1.
Coffee. Vincent Bros. Co. 209,445; Dec. 1.
Coffee, table sirups, cereals, and extracts. Mitchell Wholesale Grocery & Fruit Company. 218,713; Dec. 1.
Coffee, tea, spices, peanut butter, etc. Frank Liberto & Co. 212,741; Dec. 1.
Crackers, Cheese. Loose-Wiles Biscuit Company. 221,264; Dec. 1.
Dough assistant. Rumford Chemical Works. 221,032; Dec. 1.
Eggs. Miller-Rose Company. 221,270; Dec. 1.
Eggs and dressed poultry. E. Kahn's Sons Company. 220,719; Dec. 1.
Extracts, Food-flavoring. C. J. Darce. 220,888; Dec. 1.
Feed, Stock and poultry. Washburn Crosby Company. 221,295; Dec. 1.
Flour, Wheat. Colorado Milling & Elevator Co. 221,289; Dec. 1.

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Flour, Wheat. Hurst-Boillin Co. 220,536; Dec. 1.
Flour, Wheat. Sparks Milling Company. 221,284; Dec. 1.
Flours, meal, cereals, bran, and stock feeds. Bay State Milling Company. 221,229; Dec. 1.
Ice cream, cakes, pastry, and candy. Budd's. 202,342; Dec. 1.
Ice-cream-filled cones, Chocolate-coated. A. Kypros. 220,409; Dec. 1.
Ice cream, pies, cakes, fruit salads, etc. Globe Dairy Lunch Co. 212,921; Dec. 1.
Mayonnaise and Thousand Island dressing. Gilbert J. Easton, Inc. 218,398-9; Dec. 1.
Meal, semolina, and rye flour, Corn. Washburn Crosby Company. 221,296; Dec. 1.
Meal, White and yellow table. Ansted & Burk Co. 220,332; Dec. 1.
Mixture for making fruit jelly. Jellicious, Inc. 221,969; Dec. 1.
Noodles, Fried egg. Law Canning Co. 220,547; Dec. 1.
Oil, Olive. Rogers-Ludlow Incorporated. 220,620; Dec. 1.
Oranges, lemons, and grapefruit. Fullerton Mutual Orange Association. 217,552; Dec. 1.
Oranges, lemons, and grapefruit. Orange Heights Fruit Association. 218,995; Dec. 1.
Oranges, lemons, and grapefruit. Orange Heights Fruit Association. 218,997; Dec. 1.
Oranges, lemons, and grapefruit. A. L. Woodill. 217,977; Dec. 1.
Pepper, Dried sweet. Chili Products Corporation. 221,304; Dec. 1.
Preserved and canned fruits. Mor-Pak Preserving Company. 221,912; Dec. 1.
Relish. Widlar Company. 219,925; Dec. 1.
Relish, Horse-radish. A. P. Shurilla. 220,742; Dec. 1.
Sandwiches, Peanut-butter. Johnson Educator Food Company. 201,900; Dec. 1.
Strawberries. Ponchatoula Farm Bureau Association. 214,440; Dec. 1.
Tea. Colombo Commercial Company. 219,716; Dec. 1.
Tea. Colombo Commercial Company. 219,718; Dec. 1.
Tea. Colombo Commercial Company. 219,720; Dec. 1.
Vanilla extract. Belgian Trading Company. 219,471; Dec. 1.
Vegetable dressing for salads, etc. Delton & Pashen. 217,671; Dec. 1.

CLASS 48.

Malt extracts. Modern Pure Food Products Co. 221,494; Dec. 1.

CLASS 50.

Textile fabric coated with rubber or waterproof surface coating. L. C. Chase & Company. 219,272; Dec. 1.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 1ST DAY OF DECEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A/S Sonoaz. (See Finne, Jacob von S., assignor.)
Acheson, George W., Caldwell, N. J. Making a reflocculated product. 1,563,713; Dec. 1.
Acord, John P., Montconi, W. Va. Wrench. 1,563,942; Dec. 1.
Adams, Anne S., Birmingham, England. Manually-operated type-composing machine. 1,563,313; Dec. 1.
Adams, Clarence F. (See Huffman, W. E., Adams, and Corbett.)
Adams, Raleigh B., and F. R. Woodward, Newton, assignors to Stowe & Woodward Company, Newton Upper Falls, Mass. Top press roll for paper-making machines. 1,563,943; Dec. 1.
Adelman, Arthur, Chesaning, Mich. Fuse. 1,563,418; Dec. 1.
Adler, Cyrus M., Chicago, Ill. Smoker's article. 1,563,541; Dec. 1.
Aktiebolaget Stille-Werner. (See Nordin, Josef A., assignor.)
Aldan Co., The. (See Fisher, Daniel, assignor.)
Alexander, John E., Port Edwards, Wis. High-temperature radiant drying system. 1,563,461; Dec. 1.
Allen, Edward B., Newtown, Conn. Massage applicator. 1,563,944; Dec. 1.
Allen Typewriter Manufacturing Company. (See Uhlig, Richard W., assignor.)
Alt, Otto, and C. Helsig, Kiel, assignors to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Fuel-injecting device for internal-combustion engines. 1,563,315; Dec. 1.
American Auto Lamp Company. (See Berk, William, assignor.)
American Automobile Association. (See Cullen, Russell W., assignor.)
American Lithographic Company. (See Knudsen, Hugo C., assignor.)
American Optical Company. (See Parsons, Harold K., assignor.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Telephone and Telegraph Company. (See Bown, Ralph, assignor.)
American Telephone and Telegraph Company. (See Jacobsen, Emil, assignor.)
American Telephone and Telegraph Company. (See Klein, Charles H., assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Walters, James N., assignor.)
Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
Anderson, Carl F., Brookfield, assignor to Conlon Corporation, Cicero, Ill. Washing-machine cylinder. 1,563,822; Dec. 1.
Anderson, John M. S., assignor to The General Machine and Mfg. Co., Bridgeport, Conn. Toaster. 1,563,823; Dec. 1.
Andrae, John W. A., Point Arena, Calif. Pipe tongs. 1,563,542; Dec. 1.
Andrews, Edward F., Chicago, Ill. Radiator. 1,563,543; Dec. 1.
Ankeny, Arthur W., Indiana, Pa. Wall-decorating fabric or similar article. Des. 68,885; Dec. 1.
Anscombe, Eric M., Cleveland, Ohio. Inhalation kettle. 1,563,316; Dec. 1.
Appe, Charles, Brooklyn, N. Y. Traffic sign. Des. 68,886; Dec. 1.
Apple, Vincent G., Dayton, Ohio. Electric motor. 1,563,945; Dec. 1.
Armstrong, Edward P., Portland, Oreg. Stop gauge for setting anvils of saw swages. 1,563,462; Dec. 1.
Arrow Electric Company, The. (See Perkins, Benjamin C., assignor.)
Atanay, Ygnacio M., Los Angeles, Calif. Tortilla-forming machine. 1,563,314; Dec. 1.
Athey Company. (See Morse, Albert A., assignor.)
Atkinson, Ralph W., Perth Amboy, N. J., assignor to Standard Underground Cable Company, Pittsburgh, Pa. High-tension terminal. 1,563,946; Dec. 1.
Atkinson, Willard S., Ashland, N. J., assignor to Atlantic Elevator Company, Philadelphia, Pa. Brake mechanism and magnet system therefor. 1,563,544; Dec. 1.
Atlantic Elevator Company. (See Atkinson, Willard S., assignor.)
Atlas Powder Company. (See Pratt, Carl D., assignor.)
Auberge, Robert A., Paris, France. Gaiter. 1,564,117; Dec. 1.
Auburn, Hubert, Cincinnati, Ohio. Hinge structure for loose-leaf devices and the like. 1,563,947; Dec. 1.
Auel, Carl B., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Saw guard. 1,563,317; Dec. 1.
Auld, D. L., Company. (See Barks, Walter B., assignor.)
Austin, F. C., Machinery Company. (See French, James C., assignor.)
Automatic Electric Company. (See Obergfell, Herbert F., assignor.)
Axon, Ernest. (See Marlor, Alfred, assignor.)
Ayler, Frank, Tacoma, Wash. Direction indicator. 1,564,118; Dec. 1.
Azone, George, Philadelphia, Pa. Siphon flush box. 1,563,948; Dec. 1.
Babcock & Wilcox Company, The. (See Dickson, George H., assignor.)
Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)
Bachman, Ernest O., Santa Ana, Calif. Seat support for tractors. 1,563,824; Dec. 1.
Bagley and Sewall Company, The. (See Darby, James K., assignor.)
Baker, David, New Castle, New South Wales, Australia. Furnace charging. 1,563,949; Dec. 1.
Baker, Francis G., New York, N. Y. Galloping tricycle horse. 1,563,318; Dec. 1.
Baldesberger, August, Pittsburgh, Pa. Apparatus for pressing and creasing trousers. 1,563,825; Dec. 1.
Ballou, B. A., & Co. Inc. (See Morehouse, Eugene, assignor.)
Ballou, John M. (See Balzer, V. W., and Ballou.)
Balmer, J. H., Co. (See Balmer, John H., assignor.)
Balmer, John H., Maplewood, assignor to J. H. Balmer Co., Newark, N. J. Toothbrush rack. 1,564,119; Dec. 1.
Balzer, Vernon W., and J. M. Ballou, assignors to T. Coolidge, Los Angeles, Calif. Control means. 1,563,950; Dec. 1.
Bancel, Paul A., Nutley, assignor to Ingersoll-Rand Company, Jersey City, N. J. Surface condenser. 1,563,951; Dec. 1.
Barker, Gerald, London, England. Spring suspension for vehicles. 1,563,952; Dec. 1.
Barks, Walter B., assignor to The D. L. Auld Company, Columbus, Ohio. Escutcheon plate for radiopanel. Des. 68,887; Dec. 1.
Barnhill, Cleo E., San Francisco, Calif. Desiccating eggs. 1,563,953; Dec. 1.
Barnitt, Jesse B., Jamaica, assignor of one-half to R. H. McKee, New York, N. Y. Treatment of chocolate. 1,563,682; Dec. 1.
Bartlebaugh, Benjamin C., Wheeling, W. Va. Gas heater. 1,563,890; Dec. 1.
Barton, Joseph M., Tulsa, Okla. Thimble. 1,563,954; Dec. 1.
Barton, Samuel R., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Impression tray. 1,563,955; Dec. 1.
Bassick Manufacturing Company. (See Zerk, Oscar, assignor.)
Bates, Bertram P., Chicago, Ill. Pump. 1,563,319; Dec. 1.
Bates, George T., assignor to Illinois Watch Case Company, Elgin, Ill. Vanity case. 1,563,956; Dec. 1.
Bates, Wells H., Los Angeles, Calif. Process and apparatus for precipitating gold from solutions. 1,563,957; Dec. 1.
Beattie, Kenneth P., Hopkins, Mich., assignor to The Taylor Smith & Taylor Company, East Liverpool, Ohio. Sugar bowl or similar article. Des. 68,888; Dec. 1.
Beattie, Kenneth P., Hopkins, Mich., assignor to The Taylor Smith & Taylor Company, East Liverpool, Ohio. Teapot or similar article. Des. 68,889; Dec. 1.
Beattie, Kenneth P., Hopkins, Mich., assignor to The Taylor Smith & Taylor Company, East Liverpool, Ohio. Creamer. Des. 68,890; Dec. 1.
Beattie, Kenneth P., Hopkins, Mich., assignor to The Taylor Smith & Taylor Company, East Liverpool, Ohio. Casserole or similar article. Des. 68,891; Dec. 1.
Beattie, Kenneth P., Hopkins, Mich., assignor to The Taylor Smith & Taylor Company, East Liverpool, Ohio. Teacup. Des. 68,892; Dec. 1.

Beattie, Kenneth P., Hopkins, Mich., assignor to The Taylor Smith & Taylor Company, East Liverpool, Ohio. Plate. Des. 68,893; Dec. 1.

Beck, Charles W., Toledo, Ohio, assignor to The Beck Frost Corporation, Detroit, Mich. Tire valve. 1,563,320; Dec. 1.

Beck Frost Corporation, The. (See Beck, Charles W., assignor.)

Beckwith, James E., Tampa, Fla. Vehicle jack. 1,564,120; Dec. 1.

Bedortha, George Q., Windsor, Conn. Spirit-level glass. 1,563,321; Dec. 1.

Bell, John E. (See Isom, E. W., and Bell.)

Beloit Iron Works. (See Berry, Earl E., assignor.)

Bélugou, Léon, Paris, France. Photographic apparatus for checking the aiming and firing operations on board aircraft. 1,563,463; Dec. 1.

Benolken, Frank A., Helena, Mont. Superheater construction for locomotives. 1,563,683; Dec. 1.

Berger, Kornel C., New York, N. Y. Lamp-shade frame. 1,564,170; Dec. 1.

Berger, Nathan I., assignor to Sandow Tool Co. U. S. A., New York, N. Y. Arm for lighting fixture. Des. 68,894; Dec. 1.

Berger, Nathan I., assignor to Sandow Tool Co. U. S. A., New York, N. Y. Plate for lighting fixture. Des. 68,895; Dec. 1.

Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Paper folding box. 1,563,322; Dec. 1.

Bergstein, Samuel, Assignor to The Interstate Folding Box Company, Middletown, Ohio. Paper-box-making machine and the like. 1,563,323; Dec. 1.

Berk, William, assignor to American Auto Lamp Company, Inc., New York, N. Y. Automobile signal-lamp casing. Des. 68,896; Dec. 1.

Bernert, George, Milwaukee, Wis. Conveyer apparatus for grain and like material. 1,563,826; Dec. 1.

Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Chain drive for drying cylinders. 1,563,324; Dec. 1.

Berry, Henry R., et al. (See Primm, Joseph P., assignor.)

Berry, John M., et al. (See Primm, Joseph P., assignor.)

Bethlehem Steel Company. (See Froelich, Clarence H., assignor.)

Beugler, Edwin F., assignor to E. & B. Holmes Machinery Company, Buffalo, N. Y. Heading holder for barrel-making machines. 1,564,043; Dec. 1.

Bielaski, Frank, Detroit, Mich. Saw-table guide. 1,563,325; Dec. 1.

Bisland, Chester W., Fremont, Nebr. Gasket for jar covers. 1,563,464; Dec. 1.

Black, John E., Mendota, Ill. Veneer press and the like. 1,563,684; Dec. 1.

Blakeslee, Orrin C., Compton, Calif. Adjustable automatic pressure-relief valve. 1,563,545; Dec. 1.

Blevins, Ira V., assignor of one-half to J. W. Whitlow, Trammel, Va. Automatic shutter. 1,564,121; Dec. 1.

Blue, Louis V., Elkton, Md. Handle-polishing machine. 1,563,714; Dec. 1.

Bodman, Walter L. (See Gettings, S. S., and Bodman.)

Boggio, Giusto, Royalton, Ill. Automatic mine door. 1,563,827; Dec. 1.

Bosca, Colombo, Webb City, Mo. Leather. Des. 68,897; Dec. 1.

Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)

Bosworth, Alfred W., and L. H. Chrysler, Columbus, Ohio. Treating milk. 1,563,891; Dec. 1.

Bouillon, Constant, assignor to The Hendey Machine Company, Torrington, Conn. Electric-motor-driven change-speed device. 1,563,546; Dec. 1.

Boulanger, Charles, assignor to Societe Anonyme Anciens Etablissements Georges Pellerin, Malaunay, France. Packing machine. 1,563,715; Dec. 1.

Bourne, Stephen, New York, N. Y., assignor to Brandes Laboratories Inc., Newark, N. J. Base for a loud speaker for radioreproducers. Des. 68,898; Dec. 1.

Bovee, Ransom Y., Maywood, assignor to Bovee Transmission Corporation, Chicago, Ill. Spring suspension for vehicles. 1,563,547; Dec. 1.

Bovee Transmission Corporation. (See Bovee, Ransom Y., assignor.)

Bown, Ralph, East Orange, N. J., assignor to American Telephone and Telegraph Company. Secret-communication system. 1,563,326; Dec. 1.

Boxer, Maurice, and W. C. Nicholson, San Francisco, Calif. Display casing. Des. 68,899; Dec. 1.

Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Combined shade-roller and curtain-rod support. 1,563,828; Dec. 1.

Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)

Boys, Sidney J., Walsall, England. Self-loading and tipping wagon. 1,563,685; Dec. 1.

Brackett, Quincy A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay system. 1,563,327; Dec. 1.

Bradbury, Clifford C., assignor, by mesne assignments, to C. B. Camp, trustee, Oak Park, Ill. Combined oil and vacuum pump. 1,563,328; Dec. 1.

Bradshaw, Claude, assignor of one-third to A. E. Harmon and one-third to S. T. Gunn, Portsmouth, Va. Railway crossing gate. 1,563,329; Dec. 1.

Brady, John B., Somerset, Md., assignor to Morkrum Company, Chicago, Ill. Radio receiving system. 1,563,958; Dec. 1.

Brandes Laboratories, Inc. (See Bourne, Stephen, assignor.)

Bras, John H., et al. (See Johnson, Otto W., assignor.)

Brashear, Walter, jr., assignor to Fort Orange Paper Company, Castleton-on-Hudson, N. Y. Animated toy. 1,563,548; Dec. 1.

Breier, Benjamin, Brooklyn, N. Y. Shirt. Des. 68,900; Dec. 1.

Breisch, Edgar W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mercury-rectifier starting device. 1,563,330; Dec. 1.

Breitenstein, Arthur L., Akron, Ohio. Attachment for mold-engraving machine. 1,563,465; Dec. 1.

Brewster, Percy D., East Orange, N. J., Printing color cinematographic films. 1,563,959; Dec. 1.

Briggs, Frank S., Niagara-on-the-Lake, Ontario, Canada. Paper-hanger's tool. 1,563,716; Dec. 1.

Bricht, George B., assignor to Detroit Ice Machine Co., Detroit, Mich. Air system for ice-freezing plants. 1,563,331; Dec. 1.

Brinkerhoff, Josiah, et al. (See Walter, Ira D., assignor.)

Bristow, Francis G., Sydney, Australia. Adapter for sheep shears. 1,563,332; Dec. 1.

Bristow, Francis G. W., Sydney, Australia, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sheep shear. 1,563,549; Dec. 1.

Brockhurst, James B., Red Bank, N. J. Nonskid demountable tread for vehicle wheels. 1,563,960; Dec. 1.

Bronander, Wilhelm B., Montclair, N. J., assignor to International Cigar Machinery Company. Cigar-bunch-charge former. 1,563,333; Dec. 1.

Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Cigarette-machine automatic feed. 1,563,334; Dec. 1.

Brown, Alexander T., Syracuse, N. Y. Apparatus for casting engine cylinders. 1,563,717; Dec. 1.

Brown, Barney R., Heber Springs, Ark. Radiator-cap ornament or similar article. Des. 68,901; Dec. 1.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Shedding machine for looms. 1,563,681; Dec. 1.

Brown, Earl D., Riverbank, Calif. Automatic train-stopping apparatus. 1,563,550; Dec. 1.

Brown, F. G., Manufacturing Co. (See Brown, Frederick G., assignor.)

Brown, Fay J., Shreveport, La. Spiral reflex condenser. 1,563,718; Dec. 1.

Brown, Frederick G., Coogee, New South Wales, Australia, assignor to F. G. Brown Manufacturing Co., Batavia, Ill. Floor polisher. 1,563,829; Dec. 1.

Brown, Lott D. (See French, C. D., and Brown.)

Brown, Roy W., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Mill-roll-cooling device. 1,564,171; Dec. 1.

Brown, Sandford, Newark, N. J., assignor, by mesne assignments, to Halowax Corporation, New York, N. Y. Chlorination apparatus. 1,564,044; Dec. 1.

Brown, William M., Johnstown, Pa. Dump car. 1,563,830; Dec. 1.

Buckler, Charles B., Camden, N. J. Spring suspension for motor vehicles. 1,563,335; Dec. 1.

Buckley, Joseph L., Trenton, N. J., assignor, by mesne assignments, to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drying apparatus. 1,563,961; Dec. 1.

Bucyrus Company. (See Hoar, Roger S., assignor.)

Buford, William J., San Antonio, Tex. Float-operated valve. 1,563,719; Dec. 1.

Bugar, Michael, Cincinnati, Ohio, Helicopter attachment for aeroplanes. 1,563,720; Dec. 1.

Bujol, Orrin J., Estherwood, La. Gauge plate for rails. 1,563,466; Dec. 1.

Bulask, Francis J., assignor to The Pictures Development Co., Toledo, Ohio. Disk-record apparatus. 1,563,551; Dec. 1.

Bultman, Melbrooks B., Sumter, S. C. Stamp holder. 1,563,686; Dec. 1.

Burnham, George A., Saugus, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Attachment for electric switches. 1,563,831; Dec. 1.

Burnham, Leland F., Pittsburgh, Pa., assignor to R. D. Nuttall Company. Trolley. 1,563,336; Dec. 1.

Burrell, Robert, New Haven, Conn. Sled. 1,563,832; Dec. 1.

Busch, Edward H., Kendallville, Ind. Cement trowel. 1,564,172; Dec. 1.

Buss, Gilmore, Sandpoint, Idaho. Rowing machine. 1,563,962; Dec. 1.

Butzbach, Otto, Chicago, Ill., assignor to The Invincible Blow Pipe Company. Washing machine. 1,563,552; Dec. 1.

Byrd, Hugh L., Stockport, England. Drying and heating apparatus. 1,563,963; Dec. 1.

Cadieux, Joseph O., Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Incorporated. Electric signal switch. 1,563,721; Dec. 1.





California By-Products Company. (See Ovenshire, Clyde A., assignor.)

Camp, Curtis B., trustee. (See Bradbury, Clifford C., assignor.)

Camp, Curtis B., trustee. (See Chandler, Milford G., assignor.)

Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper car and the like. 1,563,553; Dec. 1.

Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Tank-valve mechanism. 1,563,554; Dec. 1.

Campbell, Robert O. H., Jamaica, N. Y. Flush valve. 1,564,122; Dec. 1.

Canias, George K., Philadelphia, Pa. Billiard cue. 1,563,467; Dec. 1.

Caputo, James, Girard, Ohio, assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,563,337; Dec. 1.

Carleton, Mary B. (See Carlson, B. A., and Snow, assignors.)

Carlson, Axel F., Cambridge, assignor to Reece Shoe Machinery Company, Boston, Mass. Lasting machine. 1,563,964; Dec. 1.

Carlson, Bessie A., and O. R. Snow, assignors of three-fourths to said B. A. Carlson and one-fourth to M. B. Carleton, Newcastle, Wyo. Sifter. 1,563,722; Dec. 1.

Carr, M. W., & Company. (See Whitcomb, Herbert H., assignor.)

Carranza, Marcelino, Buenos Aires, Argentina. Carpet-manufacturing machine. 1,563,338; Dec. 1.

Carreau, Napoléon, jr., Wichita, Kans. Spherometer. 1,563,468; Dec. 1.

Caton, Charles H., Armley, near Leeds, England. Change-speed gearing. 1,563,723; Dec. 1.

Chamberlin, Edwin S., Dayton, Ohio. Display rack. 1,563,469; Dec. 1.

Chandler, Milford G., Chicago, assignor, by mesne assignments, to C. B. Camp, trustee, Oak Park, Ill. Carburetor. 1,563,339; Dec. 1.

Chaney, John H., Baltimore, Md. Display stand. 1,563,687; Dec. 1.

Charpentier, Paul, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Societe Anonyme, Paris, France. Electric-circuit breaker. 1,563,688; Dec. 1.

Chateaugay Ore & Iron Co. (See Linney, Joseph R., assignor.)

Cheatham Electric Switching Device Co. (See Robinson, Robert M., assignor.)

Chemische Fabrik Griesheim-Elektron. (See Speketer, Heinrich, assignor.)

Chicago Flexible Shaft Company. (See Bristow, Francis G. W., assignor.)

Chicago Railway Signal and Supply Company. (See McCarthy, Daniel J., assignor.)

Chisam, Ray C., The Dalles, Oreg. Convertible stock car. 1,563,470; Dec. 1.

Christensen, Christen, assignor to Electrical Engineer's Equipment Co., Chicago, Ill. High-tension air-break switch. 1,563,833; Dec. 1.

Christenson, Carl, Iola, Wis. Stone picker. 1,563,340; Dec. 1.

Christianson, Andrew, Butler, Pa. Method of and apparatus for making nutless bolts and rivets. 1,563,956; Dec. 1.

Christy Company. (See Christy, Russ J., assignor.)

Christy, Russ J., assignor to Christy Company, Fremont, Ohio. Safety razor. 1,563,724; Dec. 1.

Chrysler, Lewis H. (See Bosworth, A. W., and Chrysler.)

Clark, Edgar H., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical switching mechanism. 1,563,555; Dec. 1.

Clark, Edgar H., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,563,566; Dec. 1.

Clark, John, Buffalo, N. Y. Hoisting hook. 1,563,341; Dec. 1.

Clarke, Ira M., New Martinsville, W. Va. Ash tray. Des. 68,902; Dec. 1.

Clarke, Walter E. (See Smith, V. S., and Clarke.)

Clayton, Earl R., and A. H. Kirksey, Los Angeles, Calif. Disk clutch structure. 1,563,892; Dec. 1.

Cleveland, Fred M., Wakefield, Mass., assignor to F. W. Green, Ionia, Mich. Strand-feeding machine. 1,563,725; Dec. 1.

Clement, Hans, New York, N. Y., assignor to General Optical Company, Inc. Diagnostic instrument. 1,563,471; Dec. 1.

Clipper Belt Lacer Co. (See Diamond, James K., assignor.)

Clough, Mooers P., and N. H. Noyes, North Haverhill, N. H. Automobile signal. 1,564,123; Dec. 1.

Coblents, William W., Washington, D. C. Optical means for rectifying alternating currents. 1,563,557; Dec. 1.

Coburn, William, Seattle, Wash. Oiling system. 1,563,558; Dec. 1.

Cohen, Max, Denver, Colo. Eyeshade. 1,563,611; Dec. 1.

Cohen, Samuel, Brooklyn, assignor to General Instrument Corporation, New York, N. Y. Multiple variable condenser. 1,563,893; Dec. 1.

Cohn, Jacob, assignor, by mesne assignments, to Non-Explosive Corporation of America, New York, N. Y. Safety venting attachment for large receptacles containing volatile explosives. 1,563,472; Dec. 1.

Coleman, James W., Montreal, Quebec, Canada. End stiffener for cars. 1,563,834; Dec. 1.

Coleman, James W., Montreal, Quebec, Canada. End construction for cars. 1,563,835; Dec. 1.

Coleman Lamp Company. (See Coleman, William C., assignor.)

Coleman, William C., Wichita, Kans. Centrifugal machine. 1,563,894; Dec. 1.

Coleman, William C., assignor to Coleman Lamp Company, Wichita, Kans. Oven. 1,563,895; Dec. 1.

Coleman, William C., Wichita, Kans. Vibratory separator. 1,563,896; Dec. 1.

Colladay Manufacturing Company. (See Colladay, Thad H., assignor.)

Colladay, Thad H., assignor to Colladay Manufacturing Company, Decatur, Ill. Folding table. 1,563,473; Dec. 1.

Coller, Robert. (See Washington, G., jr., and Coller.)

Colt's Patent Fire Arms Manufacturing Company. (See Tansley, George H., assignor.)

Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)

Compagnie des Métaux Overpelt-Lommel, Société Anonyme. (See Fassotte, Adolphe D. H. L., assignor.)

Condit Electrical Manufacturing Corporation. (See Burnham, George A., assignor.)

Conley, James S. (See Moore, J. A., and Conley.)

Conlon Corporation. (See Anderson, Carl F., assignor.)

Conlon, Walter J. (See Moran, William F., assignor.)

Connecticut Telephone & Electric Company. (See Cadieux, Joseph O., assignor.)

Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,563,342; Dec. 1.

Continental Motors Corporation. (See Frederick, Walter A., assignor.)

Cooch, Herbert, South Farnborough, assignor to Vickers Limited, London, England. Measuring electricity. 1,564,045; Dec. 1.

Cooch, Herbert, South Farnborough, assignor to Vickers Limited, Westminster, England. Apparatus for measuring electricity. 1,564,046; Dec. 1.

Cooch, Herbert, South Farnborough, assignor to Vickers Limited, Westminster, England. Apparatus for measuring electricity. 1,564,047; Dec. 1.

Cook, Harvey S., Valparaiso, Ind., assignor to Cook Laboratories, Inc., Chicago, Ill. Medicament-dispensing cartridge. 1,564,048; Dec. 1.

Cook Laboratories, Inc. (See Cook, Harvey S., assignor.)

Cooley, Hiram W., assignor to W. R. Moss, Chicago, Ill. Windshield hinge. 1,563,343; Dec. 1.

Coolidge, Thomas. (See Balzer, V. W., and Ballou, assignors.)

Cooper, George H., Hartford, assignor, by mesne assignments, to N. D. Holbrook, Thomaston, Conn. Operating mechanism for time pieces. 1,564,124; Dec. 1.

Copp, Ralph. (See Kerckhoff, D. C., and Copp.)

Copp, Ralph, assignor to Pevely Dairy Company, St Louis, Mo. Fluid-tight joint. 1,563,836; Dec. 1.

Corbett, Edward L., New York, N. Y. Combined hot and cold water faucet. 1,563,344; Dec. 1.

Corbett, Matt Q. (See Huffman, W. E., Adams, and Corbett.)

Cordwell, George F., London, England. Hockey stick, cricket bat, and like sporting article. 1,564,125; Dec. 1.

Corey, William H., Newport, Me. Nonskid device. 1,563,689; Dec. 1.

Costello, William J., jr., Oakmont, assignor to Verona Tool Works, Pittsburgh, Pa. Rail spring and making same. 1,563,966; Dec. 1.

Courtney, William H., Threerivers, Calif. Scraper. 1,564,126; Dec. 1.

Craig Damper Regulator Company. (See Howse, Curtis L., assignor.)

Craig, Royal V., Annadale, Prince Bay, N. Y. Protective device. 1,564,127; Dec. 1.

Creedy, Frederick, Ilkley, England. Cascade machine. 1,563,474; Dec. 1.

Christiani, Severino, Milan, Italy. System for transmitting energy by means of steam working in a closed cycle. 1,563,690; Dec. 1.

Crittall Casement Window Company. (See Walker, Thomas E., assignor.)

Crittall Manufacturing Company, The. (See Prior, Rufus W., assignor.)

Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)

Crompton & Knowles Loom Works. (See Paine, Arthur P., assignor.)

Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)

Crum, Roland R., Whittier, Calif. Core drill. 1,563,837; Dec. 1.

Cullen, Russell W., Hyattsville, Md., assignor to American Automobile Association, Washington, D. C. Route sheet. 1,563,967; Dec. 1.

Cunningham, Jesse, Gas City, Ind. Folding ironing board. 1,563,726; Dec. 1.

Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Isochronizing and synchronizing system. 1,563,727; Dec. 1.

Curtis, Robert, sr., assignor of one-half to W. A. Hager, Jersey City, N. J. Sash lock. 1,564,128; Dec. 1.

Curtiss, Nathan A. (See Pierman A. N., and Curtiss.)

Cutler, Arthur E., and P. A. Marsden, Newcastle, New South Wales, Australia. Electric welding apparatus. 1,563,612; Dec. 1.

Daley, James C., assignor to Jefferson Electric Mfg. Co., Chicago, Ill. Mounting for frangible containers and the like. 1,563,838; Dec. 1.

Dallmann Machine & Manufacturing Co. (See Schmidt, W. H., Dallmann, and Mueller, assignors.)

Dallmann, Paul O. (See Schmidt, W. H., Dallmann, and Mueller.)

Daniels, Samuel. (See Johnson, J. B., and Daniels.)

Darby, James K., Dayton, Ohio, assignor to The Bagley and Sewall Company, Watertown, N. Y. Paper-making machine. Re16,218; Dec. 1.

Davies, Caleb, jr., Poland, Ohio. Open-hearth furnace. 1,564,049; Dec. 1.

Davis & Geck. (See Ovington, Edward J., assignor.)

Davis, James M., and C. V. Thomas, Newberry, S. C. Thin-place detector for looms. 1,564,129; Dec. 1.

Davis, Ray P. M. (See McClelland, William H., assignor.)

De Coin, Salvatore, San Jose, Calif. Water-closet. 1,563,691; Dec. 1.

De France, Murrell R., Bellevue, Pa. Shell for composition brake shoes. 1,563,728; Dec. 1.

Delano, Curtis. (See Price, David R., assignor.)

Denham, Richard, Walthamstow, England. Spring seat and the like. 1,563,692; Dec. 1.

Dennis, Thomas H., Salisbury, Rhodesia. Starting device for internal-combustion engines. 1,563,839; Dec. 1.

Dennison Manufacturing Company. (See Flood, Carl A., assignor.)

Derdoski, John. (See Kuzaroff, Constantine, assignor.)

Detroit Ice Machine Co. (See Bright, George B., assignor.)

Dexter Company, The. (See George, William H., assignor.)

Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Machine for setting or applying belt fasteners and the like. 1,563,345; Dec. 1.

Diamond Match Company, The. (See Linebaugh, Edward R., assignor.)

Diamond Match Company, The. (See Wright, Jacob P., assignor.)

Dickson, George H., Chicago, Ill., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Making boiler baffles. 1,563,968; Dec. 1.

Dickson, George H., Chicago, Ill., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Baffle construction. 1,563,969; Dec. 1.

Dickson, John B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Treating rubber composition. 1,564,050; Dec. 1.

Dictograph Products Corporation. (See Koch, Henry, assignor.)

Dictograph Products Corporation. (See Koch, H., and Wohlers, assignors.)

Dirks, Henry D., Marion, Iowa. Cotter-pin puller. 1,563,840; Dec. 1.

Dolbear, Clinton E., San Francisco, Calif. Separating soluble salts. 1,563,613; Dec. 1.

Dominion Messenger and Signal Company Limited. (See Hamilton, William R., assignor.)

Dominquez, Alfonso, Berkeley, Calif. Toilet-flushing handle. 1,563,729; Dec. 1.

Downs, Charles R., New Haven, Conn. Composition of Styptics. 1,563,346; Dec. 1.

Draper Corporation. (See Brown, Carl D., assignor.)

Dreher, Charles H., Buffalo, N. Y. Basket. 1,563,730; Dec. 1.

Drennan, James B., Portland, Oreg. Automobile bumper. 1,563,475; Dec. 1.

Drohen, James L., Dunkirk, N. Y. Signal. 1,564,130; Dec. 1.

Drucks, Carl, Berkeley, Calif. Hair protector. 1,563,693; Dec. 1.

Ducas, Charles, New York, N. Y. Electrical apparatus and manufacturing the same. 1,563,731; Dec. 1.

Dunlap, Isaac A., Wichita, Kans. Portable frame structure for automobile engines and power-delivering devices. 1,564,131; Dec. 1.

Dura Company, The. (See Nicholson, Stanley W., assignor.)

Durand Steel Locker Company. (See Vance, Walter N., assignor.)

Durbin, Pius J. (See Major, R., Durbin, and Orr.)

Dyson, Alfred H., Montclair, N. J., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone system. 1,563,347; Dec. 1.

Earl, Leota N., Fort Worth, Tex. Dough and making the same. 1,563,694; Dec. 1.

Economy Engineering Company, The. (See Trenn, Frank W., assignor.)

Ehrgott, Karl, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrically-heated device. 1,563,348; Dec. 1.

Ehrhart, Raymond N., assignor to Elliott Company, Pittsburgh, Pa. Heater for liquids. 1,564,051; Dec. 1.

Ehrhart, Raymond N., Edgewood, assignor to Elliott Company, Pittsburgh, Pa. Condenser. 1,564,052; Dec. 1.

Eichorn, Arthur M., assignor to Evernu Rubber Heel Corporation, New York, N. Y. Rubber-heel tip. 1,563,970; Dec. 1.

Ekman, Andrew, Grand Rapids, Mich. Signal device. 1,563,614; Dec. 1.

Egelson, James E., Ridley Park, Pa., assignor to General Chemical Company, New York, N. Y. Absorbing hydrochloric-acid gas. 1,563,732; Dec. 1.

Electric Water Sterilizer and Ozone Company. (See Hartman, Frank E., assignor.)

Electrical Engineer's Equipment Co. (See Christensen, Christen, assignor.)

Electrical Engineer's Equipment Company. (See Jacobs, Ernest H., assignor.)

Elgin American Manufacturing Co. (See Lester, William H., assignor.)

Elliott Company. (See Ehrhart, Raymond N., assignor.)

Ellis, Carleton. (See Kuhn, Joseph R., assignor.)

Ellis, Dee R., Eminence, Ky. Crupper. 1,563,841; Dec. 1.

Ellis, Russell S., Philadelphia, Pa. Concrete-molding apparatus. 1,563,615; Dec. 1.

Elms and Sellon, Inc. (See Grogan, William H., assignor.)

Emsco Tool Company. (See Goeser, Edwin W., assignor.)

Enterprise Foundry Co., The. (See Hoehn, Charles J. P., assignor.)

Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)

Evensen, William, Chicago, Ill., assignor to Goss Printing Press Company. Stereotype-plate-casting machine. 1,563,349; Dec. 1.

Evernu Rubber Heel Corporation. (See Eichorn, Arthur M., assignor.)

Ewart, William R., Raymond, Wash. Two-cycle gas engine. 1,563,733; Dec. 1.

Fanner Manufacturing Company, The. (See Gibson, Samuel H., assignor.)

Farb, Pincus, Saginaw, Mich., assignor, by mesne assignments, to Sonora Phonograph Company, Inc. Registering device for talking machines. 1,563,734; Dec. 1.

Faris, John N., Portland, Oreg. Ironing board. 1,563,476; Dec. 1.

Farmer, John F., Indianapolis, Ind. Combination motor-vehicle lamp. 1,564,053; Dec. 1.

Fassotte, Adolphe D. H. L., Lommel Usines, assignor to Compagnie des Métaux Overpelt-Lommel, Société Anonyme, Overpelt-near-Neerpelt, Belgium. Process and apparatus for roasting ores. 1,563,616; Dec. 1.

Faultless Rubber Company, The. (See Miller, Vernon L., assignor.)

Femal, William J., Green Bay, Wis. Combined catch basin and trap. 1,563,695; Dec. 1.

Fenn, Margaret F. (See Fenn, William B., assignor.)

Fenn, William B., assignor to M. F. Fenn, Port Washington, N. Y. Sterilizing canned foods. 1,563,971; Dec. 1.

Fenn, William B., assignor to M. F. Fenn, Port Washington, N. Y. Coring and trimming mechanism. 1,563,972; Dec. 1.

Ferry, Cora. (See Ferry, Elmer and C.)

Ferry, Elmer and C., Buffalo, N. Y. Combination brake and jack mechanism for automobiles. 1,563,842; Dec. 1.

Fest, Otto, Newark, N. J. Sausage broiler. 1,563,973; Dec. 1.

Fetters, Charles A., Washington, D. C. Coat-hanger attachment. 1,563,735; Dec. 1.

Fiala, Earl W., Cedar Rapids, Iowa. Map-folding machine. 1,563,696; Dec. 1.

Field, Walter E., and F. C. Stowe, assignors to H. D. Hedison, doing business as Hedison Mfg. Co., Providence, R. I. Separable cuff button. 1,563,350; Dec. 1.

Field, Walter E., and F. C. Stowe, assignors to H. D. Hedison, doing business as Hedison Mfg. Co., Providence, R. I. Separable cuff button. 1,563,351; Dec. 1.

Fink, Christian B., San Francisco, Calif. Combination medical apparatus. 1,563,736; Dec. 1.

Finkernagel, Arthur, Baltimore, Md. Switch cover. 1,563,697; Dec. 1.

Finne, Jacob von S., Ass, assignor to A/S Sonoas, Christiania, Norway. Spreading apparatus for artificial manures. 1,563,698; Dec. 1.

Firestone Tire and Rubber Company, The. (See Brown, Roy W., assignor.)

Fisher, Charles O., Wellsville, Kans. Powder receptacle for handles. 1,563,352; Dec. 1.

Fisher, Daniel, assignor to The Aldan Co., Milwaukee, Wis. Game. 1,564,054; Dec. 1.

Flagstad, Cornell and O. A., Minneapolis, Minn. Collapsible carrier. 1,563,897; Dec. 1.

Flagstad, Oscar A. (See Flagstad, Cornell and O. A.)

Fleming, Robert G., Bloomfield, N. J., assignor to Smokador Manufacturing Co., Inc., New York, N. Y. Smoker's ash stand. Des. 68,903; Dec. 1.

Flintkote Company, The. (See Morse, Thomas W., assignor.)





Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Tag strip. 1,563,843; Dec. 1.

Fones, Edward F., Geneseo, Ill. Cultivator fender. 1,563,617; Dec. 1.

Ford, Sidney C., and W. A. Shuler, New Orleans, La. Storage-battery compartment. 1,564,173; Dec. 1.

Forges & Atelier de Constructions Electriques de Jeumont, Societe Anonyme. (See Charpentier, Paul, assignor.)

Forsell, Frans E., assignor to Parks Bros. & Rogers, Inc., Providence, R. I. Separable button. 1,563,974; Dec. 1.

Forshee, Frank F., Flint, Mich., assignor to Westinghouse Electric Products Company. Electric cooky baker. 1,563,353; Dec. 1.

Forsyth, Valoris L., Forth Worth, Tex. Self-aligning pitman-bearing box. Re16,219; Dec. 1.

Fort Orange Paper Company. (See Brashear, Walter, jr., assignor.)

Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer-cooling system. 1,563,354; Dec. 1.

Fox, Ansley H., assignor, by mesne assignments, to Fox Holding Company, Philadelphia, Pa. Internal-combustion engine. 1,563,477; Dec. 1.

Fox, Ansley H., assignor to Fox Holding Company, Philadelphia, Pa. Air cooling engine. 1,563,478; Dec. 1.

Fox, Holding Company. (See Fox, Ansley H., assignor.)

Fox, John C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Reflector-polishing machine. 1,563,355; Dec. 1.

France, Edward E., Racine, Wis. Toy. 1,564,132; Dec. 1.

Franke, Paul, Berlin, Germany. Foot boring machine for dentists with driving motor. 1,563,699; Dec. 1.

Frankel, Irving I., Cincinnati, Ohio. Coat collar and producing and applying same. 1,564,055; Dec. 1.

Frankenstein, William B., Rochester, N. Y. Adjustable ladder shoe. 1,563,700; Dec. 1.

Franklin, Charley M., Griswold, Iowa. Collapsible crate. 1,563,356; Dec. 1.

Fraser, Leving, Osceola, Ark. Hoisting machine. 1,564,133; Dec. 1.

Frederick, Walter A., assignor to Continental Motors Corporation, Detroit, Mich. Intake-manifold heater. 1,563,559; Dec. 1.

Frederickson, Ralph C., Kensal, N. Dak. Condensation-preventing device. 1,563,701; Dec. 1.

French, Charles R., et al. (See Walter, Ira D., assignor.)

French, Chauncey D., and L. D. Brown, Dallas, Oreg. Automatic carriage-reversing mechanism for type-writers. 1,563,702; Dec. 1.

French, James C., Chicago, Ill., assignor, by mesne assignments, to F. C. Austin Machinery Company. Tractor driving and steering mechanism. 1,563,479; Dec. 1.

Freyn, Brassert & Company. (See Willcox, F. H., and Hayes, assignors.)

Fried. Krupp Aktiengesellschaft Germaniawerft. (See Alt, O., and Heisig, assignors.)

Friedhoff, William, Chicago, Ill. Filling gasoline tanks. 1,563,560; Dec. 1.

Friedman, Meyer. (See Friedman, Morris and M.)

Friedman, Morris and M., New York, N. Y. Legging. 1,564,056; Dec. 1.

Froelich, Clarence H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Locking device for gun tubes. 1,563,737; Dec. 1.

From, Owen C., assignor to Western Electric Company, Incorporated, New York, N. Y. Registering device. 1,563,738; Dec. 1.

Fryer, Frederick G., York, England. Conch for the manufacture of chocolate. 1,563,898; Dec. 1.

Fryer, Frederick G., York, England. Conch for the manufacture of chocolate. 1,563,899; Dec. 1.

Gardner, Edward B. and R. D., and J. Nielsen, Beloit, Wis. Grinding machine. 1,563,900; Dec. 1.

Gardner, Edward B., et al. (See Gardner, Ralph D., assignor.)

Gardner, Ralph D. (See Gardner, E. B. and R. D., and Nielsen.)

Gardner, Ralph D., Beloit, Wis., assignor of one-third to E. B. Gardner and one-third to J. Nielsen. Grinding machine. 1,563,901; Dec. 1.

Garin, George P., Baltimore, Md. Game card. Des. 68,904; Dec. 1

Gasser, Joseph, deceased; T. Gasser, administratrix, assignor to New Jersey Twin Hoist Company, Trenton, N. J. Fluid brake. 1,563,561; Dec. 1.

Gasser, Joseph, deceased; T. Gasser, administratrix, assignor to New Jersey Twin Hoist Company, Trenton, N. J. Electric heater. 1,563,562; Dec. 1.

Gasser, Theresa, administratrix. (See Gasser, Joseph.)

Gaygen, Rose, Detroit, Mich. Peanut bird. Des. 68,905; Dec. 1.

Gaynor, Arthur C., Stratford, Conn. Press button. 1,563,357; Dec. 1.

General Chemical Company. (See Egleson, James E., assignor.)

General Instrument Corporation. (See Cohen, Samuel, assignor.)

General Machine and Mfg. Co., The. (See Anderson, John M. S., assignor.)

General Optical Company. (See Clement, Hans, assignor.)

George, William H., assignor to The Dexter Company, Fairfield, Iowa. Gearing. 1,564,057; Dec. 1.

Gerdes, Herman H., and T. L. Hensley, Alvarado, Tex. Jointed switch-throwing bar. 1,563,563; Dec. 1.

Gerhardt, William F., and I. M. Laddon, Dayton, Ohio. Multiplane. 1,563,419; Dec. 1.

Geriach, William E., Huntington, W. Va. Sawing machine. 1,563,844; Dec. 1.

Gettings, Sydney S., and W. L. Bodman, Dorking, assignors to J. M. T. Johnston, London, England. Rotary drying apparatus. 1,564,058; Dec. 1.

Giannone, Pasquale, Norristown, Pa. Top-torpedo-filling machine. 1,564,134; Dec. 1.

Gibson, Earl S., Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,563,618; Dec. 1.

Gibson, Joseph, Diamond City, Alberta, Canada. Cattle guard. 1,563,358; Dec. 1.

Gibson, Samuel H., assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Chaplet. 1,563,480; Dec. 1.

Gilchrist, Hugh W., and J. J. Reid, Anaconda, Mont. Corner construction for flumes, troughs, launders, and the like. 1,563,481; Dec. 1.

Gilden, Abraham J., assignor to Safety Gas Jet Co., Inc., New York, N. Y. Automatic gas cut-off for gas water heaters. 1,564,135; Dec. 1.

Godard, Luis. (See Larrey, T., and Godard.)

Goeringer, Conrad F., Wilkes-Barre, Pa. Device for backfilling trenches. 1,563,975; Dec. 1.

Goeser, Edwin W., Los Angeles, Calif., assignor to Emsco Tool Company. Crown block. 1,563,739; Dec. 1.

Goff, Harold W., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone switch. 1,563,740; Dec. 1.

Goldberg, Meyer J., Muskegon, assignor, by mesne assignments, to The Maximotor Company, Muskegon Heights, Mich. Gasoline engine. 1,564,059; Dec. 1.

Goldsmith, Wolf T., Newark, N. J. Hand-bag frame. Des. 68,906; Dec. 1.

Goldsmith, Wolf T., Newark, N. J. Hand-bag frame. Des. 68,907; Dec. 1.

Good, Harper A., Waynesboro, Pa. Clutch speed changing and reversing mechanism. 1,563,741; Dec. 1.

Good Inventions Co. (See Good, John, assignor.)

Good, John, Garden City, assignor to Good Inventions Co., Brooklyn, N. Y. Carburetor. 1,563,482; Dec. 1.

Goodrich, B. F., Company, The. (See Dickson, John B., assignor.)

Goodrow, William, Chicago, Ill. Window cornice and the like. 1,563,619; Dec. 1.

Goodspeed, George D., assignor to Heywood-Wakefield Company, Gardner, Mass. Forming braid. 1,563,564; Dec. 1.

Gorton, William S., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillation generator. 1,563,620; Dec. 1.

Goss Printing Press Company. (See Evensen, William, assignor.)

Gossell, Henry W., Verndale, Minn. Timer. 1,563,703; Dec. 1.

Graham, Harold W. (See Volland, Homer W., assignor.)

Grasselli Dyestuff Corporation. (See Mieg, W., and Raeder, assignors.)

Green, Doron, Bristol, Pa. Toy radio. 1,563,359; Dec. 1.

Green, Fred W. (See Cleaveland, Fred M., assignor.)

Green, George W., Beaumont, Calif. Combination lock for pen and pencil safes. 1,563,621; Dec. 1.

Green, Louis A., Pittsburgh, Pa. Parallel-throw switch stand. 1,563,976; Dec. 1.

Greis, Theodor, Crefeld, Germany, assignor to Maschinenfabrik Benninger A. G., Uzwil, Switzerland. Cloth-expanding roller. 1,563,704; Dec. 1.

Grieshaber, Henry J., Chicago, Ill. Cigar lighter and stand. 1,563,845; Dec. 1.

Griffin, Wilson T., North East, Pa. Ditch-digging machine. 1,563,565; Dec. 1.

Groden, John J., Philadelphia, Pa. Washing machine. 1,564,136; Dec. 1.

Grodnick, Molly G., Minneapolis, Minn. Collapsible receptacle. 1,563,902; Dec. 1.

Grogan, William H., assignor to Elms and Sellon, Inc., New York, N. Y. Textile fabric used for draperies. Des. 68,908; Dec. 1.

Grogan, William H., assignor to Elms and Sellon, Inc., New York, N. Y. Textile fabric used for draperies. Des. 68,909; Dec. 1.

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Grosjean, James E., Lima, Ohio. Sole for boots and shoes. 1,564,060; Dec. 1.

Grossmann, Albert A., St. Paul, Minn. Telescopic hand level. 1,563,483; Dec. 1.

Grover, Ray, Milwaukee, Wis. Making piston rings. 1,563,566; Dec. 1.

Gruber, Henry. (See Miller J., and Gruber.)

Grundy, William H., Company. (See Petersen, George E., assignor.)
Guastavino, R., Co. (See Guastavino, Rafael, assignor.)
Guastavino, Rafael, Bay Shore, assignor to R. Guastavino Co., New York, N. Y. Sound-absorbing plaster and applying same. 1,563,846; Dec. 1.
Gulbransen, Axel G., River Forest, assignor to Gulbransen Company, Chicago, Ill. Player piano. 1,563,977; Dec. 1.
Gulbransen Company. (See Gulbransen, Axel G., assignor.)
Gunn, John M., Lagune, N. Mex. Solar attachment for transits. 1,563,484; Dec. 1.
Gunn, Sands T., et al. (See Bradshaw, Claude, assignor.)
Haag, Albert R., Peoria, Ill. Wringer. 1,563,623; Dec. 1.
Haag, Albert R., Peoria, Ill. Washing machine. 1,563,624; Dec. 1.
Haag, George, Peoria, Ill. Combined clutch and latch mechanism. 1,563,622; Dec. 1.
Hager, William A. (See Curtis, Robert, sr., assignor.)
Hahnemann, Walter. (See Hecht, H., Rudolph, Lichte, and Hahnemann.)
Haigh, Alfred, and H. R. Hart, Staffordshire, England. Making carbon and other coated papers. 1,563,978; Dec. 1.
Hale, George S., Tekoa, Wash. Attachment for motor vehicles. 1,564,061; Dec. 1.
Hales, Landy R., New York, N. Y. Display device. 1,563,485; Dec. 1.
Hall, Franklin C., Albertville, Ala. Well windlass. 1,564,062; Dec. 1.
Hall, George H., deceased, Hannibal, Mo.; E. A. Wilson, executrix. Gauge. 1,563,847; Dec. 1.
Hall, Randolph F., Ithaca, N. Y., assignor of one-fourth to T. P. Hall, Wallingford, Conn., and one-fourth to P. Wilson, Ithaca, N. Y. Airplane. 1,563,979; Dec. 1.
Hall, Theodore P., et al. (See Hall, Randolph F., assignor.)
Halowax Corporation. (See Brown, Sandford, assignor.)
Hamilton, William R., Montreal, Quebec, assignor to Dominion Messenger and Signal Company Limited, Toronto, Ontario, Canada. Mechanical rectifier. 1,564,063; Dec. 1.
Hammond, William J., Chicago, Ill. Antishifting means for piled metal sheets. 1,563,848; Dec. 1.
Hanford, Arthur S., jr. (See Jung, John M., assignor.)
Hanley, Joseph P. (See Riordan, R. J., and Hanley.)
Hannah, Robert L., assignor of fifty-five per cent to L. M. Migel, Waco, Tex. Burner. 1,564,064; Dec. 1.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Clutch mechanism for double-drum hoists. 1,563,742; Dec. 1.
Hansen-Ellehammer, Jacob C., Copenhagen, Denmark. Carburetor. 1,563,705; Dec. 1.
Hardenbergh, Clarence M., et al. (See Sholtz, Richard J., assignor.)
Harmon, Alvie E., et al. (See Bradshaw, Claude, assignor.)
Harry, Lando C., Casco Township, Allegan County, Mich. Transplanter. 1,563,625; Dec. 1.
Hart, Harold R. (See Haigh, A., and Hart.)
Hart & Hegeman Manufacturing Company. (See Williams, Samuel P., assignor.)
Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Baffle and constructing same. 1,563,567; Dec. 1.
Hartford Rubber Works Company. (See Lough, Hector V., assignor.)
Harth, Friedrich, Bamberg, Germany, assignor to L. Harth, Chicago, Ill. Flying machine. 1,564,065; Dec. 1.
Harth, Louis. (See Harth, Friedrich, assignor.)
Harty, William A., Blasdell, N. Y. Refractory material and producing the same. 1,563,853; Dec. 1.
Hartman, Frank E., assignor to Electric Water Sterilizer & Ozone Company, Scottdale, Pa. Purifying and circulating water in swimming pools. 1,563,849; Dec. 1.
Hartman, Frank E., assignor to Electric Water Sterilizer and Ozone Company, Scottdale, Pa. Swimming pool. 1,563,850; Dec. 1.
Hartman, Frank E., assignor to Electric Water Sterilizer and Ozone Company, Scottdale, Pa. Swimming pool. 1,563,851; Dec. 1.
Hartman, Harry B., Scottdale, Pa. Safety-razor strop. 1,563,852; Dec. 1.
Haspel, Harry S. W., and J., New Orleans, La. Coat construction. 1,564,066; Dec. 1.
Haspel, Joseph. (See Haspel, Harry S., W., and J.)
Haspel, William. (See Haspel, Harry S., W., and J.)
Hatheway, William E., Bridgeport, Conn. Buckle. 1,563,360; Dec. 1.
Haugh, Raymond R., Chicago, Ill. Electric switch. 1,563,854; Dec. 1.
Hayden, Benjamin F., Springfield, Mo., assignor to Haydenite Brick and Machinery Company. Brickmaking machine. 1,564,067; Dec. 1.
Haydenite Brick and Machinery Company. (See Hayden, Benjamin F., assignor.)
Hayes, John C., jr. (See Wilcox, F. H., and Hayes.)
Hayes, Thomas J., East St. Louis, Ill., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co. Spring structure for sewing machines and the like. 1,564,174; Dec. 1.
Hazel-Atlas Glass Co. (See Stenhouse, Thomas, assignor.)
Hazlewood, John H., Vancouver, British Columbia, Canada. Aperture stopper. 1,563,743; Dec. 1.
Hecht, Heinrich, W. Rudolph, H. Lichte, Kiel, and W. Hahnemann, Kitzberg, near Kiel, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Sound-signaling device. 1,563,626; Dec. 1.
Hedison, Harry D. (See Field, W. E., and Stowe, assignors.)
Hedison Mfg. Co. (See Field, W. E., and Stowe, assignors.)
Hein, George N., San Francisco, Calif. Syringe ampul, piston, and piston-packing construction. 1,563,627; Dec. 1.
Heise, George W., Bayside, N. Y., assignor to National Carbon Company, Inc. Galvanic cell of the copper-oxide type. 1,563,980; Dec. 1.
Helander, Ernest G., Philadelphia, Pa. Condenser. 1,563,981; Dec. 1.
Held, Paul, St. Cloud, Minn. Water coaster or toboggan. 1,563,855; Dec. 1.
Helm, Henry C. (See Helm, John and H. C.)
Helm, John and H. C., St. Louis, Mo. Faceplate for mail receptacles. 68,913; Dec. 1.
Helm, John and H. C., St. Louis, Mo. Faceplate for mail receptacles. 68,914; Dec. 1.
Helsig, Curt. (See Alt, O., and Helsig.)
Hely, Norman L., Cape Girardeau, Mo. Dumping hoist. 1,563,486; Dec. 1.
Henderson, James P., Topeka, Kans. Door-jamb protector. 1,563,982; Dec. 1.
Hendey Machine Company, The. (See Bouillon, Constant, assignor.)
Hendry, William F., Ossining, assignor to The Manhattan Electrical Supply Company, New York, N. Y. Dry cell. 1,563,628; Dec. 1.
Henning, Millard F., Oakland, Calif. Window screen. 1,563,361; Dec. 1.
Hensley, Thomas L. (See Gerdes, H. H., and Hensley.)
Hensley, William T., Indianapolis, Ind. Universal joint. 1,563,629; Dec. 1.
Henter, Leo A., et al. (See Johnson, Otto W., assignor.)
Herb, Frederick, Brooklyn, assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Bearing for rotary printing couples. 1,563,487; Dec. 1.
Herradora, Juan R., Holtsville, N. Y. Developing holder for X-ray films. 1,563,362; Dec. 1.
Hesselman, Knut J. E., Saltsjo-Storangen, Sweden. Valve-controlling means. 1,563,744; Dec. 1.
Heywood-Wakefield Company. (See Goodspeed, George D., assignor.)
Hibbard, Lloyd J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistor. 1,563,363; Dec. 1.
Higgason, William H., El Cajon, Calif. Direction indicator for motor vehicles. 1,564,068; Dec. 1.
Higuchi, Monnosuke, College Point, N. Y. Moving-pocket game apparatus. 1,563,983; Dec. 1.
Hillyard, Newton S., St. Joseph, Mo. Mop. 1,563,745; Dec. 1.
Hinrichsen, Edward E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,563,630; Dec. 1.
Hinrichsen, Edward E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,563,631; Dec. 1.
Hirsch, Herbert S. and M., Newark, N. J. Shirt retainer. 1,563,746; Dec. 1.
Hirsch, Isaac S., New York, N. Y. Fluoroscopic screen. 1,563,856; Dec. 1.
Hirsch, Morris. (See Hirsch, Herbert S. and M.)
Hoar, Roger S., assignor to Bucyrus Company, South Milwaukee, Wis. Winch-control mechanism. 1,563,568; Dec. 1.
Hobart Manufacturing Company. (See Miller, Frank R., assignor.)
Hobert, Clayton, Philadelphia, Pa. Detachable shoe heel. 1,563,984; Dec. 1.
Hoddersen-Balling, Frederick E., Brooklyn, N. Y. Ham boiler. 1,563,985; Dec. 1.
Hoddersen-Balling, Frederick E., Brooklyn, N. Y. Ham boiler. 1,563,986; Dec. 1.
Hoe, R., and Co. (See Herb, Frederick, assignor.)
Hoehn, Charles J. P., assignor to The Enterprise Foundry Co., San Francisco, Calif. Flexible pipe joint. 1,564,175; Dec. 1.
Hoey, Samuel C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Apparatus for die casting. 1,563,364; Dec. 1.
Hofland, Seaver A., assignor to International Chimney and Fire Protectors Company, Fennimore, Wis.; D. J. Flintjer, F. H. Flintjer, S. A. Hofland, and D. B. Hofland, trustees. Chimney protector. 1,563,706; Dec. 1.
Hogan, Philip, St. Louis, Mo. Seam anchor. 1,563,569; Dec. 1.
Hoge, Joseph F. D., assignor to Western Electric Company, Incorporated, New York, N. Y. Circuit interrupter. 1,563,488; Dec. 1.
Hohl, John T., Indianapolis, Ind. Hand-tool construction. 1,563,707; Dec. 1.
Holbrook, Newton D. (See Cooper, George H., assignor.)





Holliday Radio & Manufacturing Company. (See Pihl, Albert, assignor.)
Hollup, C. H., Corporation. (See Hollup, Charles H., assignor.)
Hollup, Charles H., Milwaukee, Wis., assignor to C. H. Hollup Corporation. Machine for coating arc-welding electrodes. 1,563,365; Dec. 1.
Holmes, E. & B., Machinery Company. (See Beugler, Edwin F., assignor.)
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lay for narrow-ware looms. 1,563,570; Dec. 1.
Holmes, Frank G., assignor to Lenox Incorporated, Trenton, N. J. Plate or similar article. Des. 68,915; Dec. 1.
Holmes, Frank G., assignor to Lenox Incorporated, Trenton, N. J. Plate or similar article. Des. 68,916; Dec. 1.
Holthaus, Rainsford B., and G. D. Smith, Fremont, Nebr. Mechanical stoker. 1,563,708; Dec. 1.
Homan, William C., Meriden, Conn., assignor to L. T. Wilcox, Peekskill, N. Y. Oil-stove burner. 1,563,987; Dec. 1.
Honegger, Irving C., San Antonio, Tex. Vending machine. 1,563,366; Dec. 1.
Hooppaw Manufacturing Company. (See Hooppaw, O. W., and Rinehart, assignors.)
Hooppaw, Oscar W., and C. A. Rinehart assignors to Hooppaw Manufacturing Company, St. Louis, Mo. Doorlock. 1,563,489; Dec. 1.
Hoovens, Amasa G., Goshen, Ind. Lightning-rod anchor. 1,564,069; Dec. 1.
Hornung, Anton N., Los Angeles, Calif. Refrigerator. Des. 68,917; Dec. 1.
Horton, Spencer, Birmingham, England. Sprinkler installation. 1,563,490; Dec. 1.
Hosmer, Guy F., assignor to Oxford Paper Company, Rumford, Me. Method and apparatus for use in sorting paper. 1,563,747; Dec. 1.
Houghton, Lewis T., Worcester, Mass. Tension device for winding machines. 1,563,857; Dec. 1.
Howse, Curtis L., Detroit, Mich., assignor to Craig Damper Regulator Company. Pressure-controlled regulating means for furnaces. 1,563,988; Dec. 1.
Hoyle, Henry P., Durham, England. Centrifugal separator. 1,563,491; Dec. 1.
Huffman, William E., C. F. Adams, and M. Q. Corbett, Dayton, Ohio. Jumping balloon. 1,563,571; Dec. 1.
Hughes, Roland T., Oak Park, Ill. Electric attachment plug. 1,563,989; Dec. 1.
Hulme, Frederic G., Tacony, Philadelphia, Pa. Loom. 1,563,990; Dec. 1.
Hultquist, Charles A., Los Angeles, Calif. Pneumatic drill. 1,563,632; Dec. 1.
Hultquist, Charles A., Los Angeles, Calif. Pneumatic drill. 1,563,633; Dec. 1.
Hultqvist, Johan A., Norrkoping, Sweden. Manufacturing articles of brushlike nature. 1,563,367; Dec. 1.
Humphries, Chad H., assignor to Metals Protection Corp., Kokomo, Ind. Welding. 1,563,748; Dec. 1.
Hunt, John O., assignor to Independent Paper Mills Inc., Brooklyn, N. Y. Dispenser for paper napkins, towels, and the like. 1,563,991; Dec. 1.
Huntley, Ernest R., Los Angeles, Calif., assignor to Industrial Research Corporation, Toledo, Ohio. Engine-starting mechanism. 1,563,992; Dec. 1.
Huppert, Henry K., San Francisco, Calif. Radio vacuum tube. 1,564,070; Dec. 1.
Hutchinson, Miller R. (See Pierman, A. N., and Curtiss, assignors.)
Hutchinson, Miller R., West Orange, N. J. Sound controller for telephone receivers. 1,563,572; Dec. 1.
Hutchinson, Robert H., Dallas, Tex. Brake band for motor vehicles. 1,563,368; Dec. 1.
Huyett, Amos W., Reading, Pa. Box insert. 1,563,369; Dec. 1.
Hybinette, Noak V., Wilmington, Del. Heat-resisting alloy and structure, etc. 1,563,573; Dec. 1.
Illinois Watch Case Company. (See Bates, George T., assignor.)
Independent Paper Mills Inc. (See Hunt, John O., assignor.)
Industrial Research Corporation. (See Huntley, Ernest R., assignor.)
Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Smith, William A., assignor.)
Ingve, Daniel, Chelsea, Mass. Holder for photographic films. 1,563,858; Dec. 1.
International Chimney and Fire Protectors Company. (See Hofland, Seaver A., assignor.)
International Cigar Machinery Company. (See Bronander, Wilhelm B., assignor.)
International Postal Supply Company, The. (See Zahn, Lawrence, J., assignor.)
Interstate Folding Box Company, The. (See Bergstein, Samuel, assignor.)
Invincible Blow Pipe Company, The. (See Butzbach, Otto, assignor.)
Isom, Edward W., Winnetka, Ill., and J. E. Bell, Brooklyn, N. Y., assignors to Sinclair Refining Company, Chicago, Ill. Condenser. 1,563,492; Dec. 1.
Jackson, Charles E., Minneapolis, Kans. Ventilating closet. 1,564,071; Dec. 1.
Jackson, James M., Parkersburg, W. Va. Cigar lighter. 1,564,072; Dec. 1.
Jacob, Stephen J., Appleton, Wis. Paper perforator. 1,563,634; Dec. 1.
Jacobs, Ernest H., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Polyphase bus bar. 1,563,859; Dec. 1.
Jacobsen, Emil, New York, N. Y., assignor to American Telephone and Telegraph Company. Testing set for telephone systems. 1,563,370; Dec. 1.
Jacobson, John, Columbia Falls, Mont. Tow rod. 1,563,860; Dec. 1.
Jacobson, Peter G., Chicago, Ill. Electrostatic condenser. 1,563,709; Dec. 1.
Jannes, Spear N., Rock Island, Ill. Valve lubricator. 1,563,493; Dec. 1.
Jefferson Electric Mfg. Co. (See Daley, James C., assignor.)
Jembrzycki, Stanley J., Chicago, Ill. Hair clipper. 1,563,861; Dec. 1.
Jensen, Elias A., Santa Barbara, Calif. Direction signal for motor vehicles. 1,563,494; Dec. 1.
Jensen, Gunnar, assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,563,862; Dec. 1.
Jensen, John, assignor to Whitney Metal Tool Company, Rockford, Ill. Hollow punch. 1,563,574; Dec. 1.
Johnson, Charles S., Champaign, Ill., Measuring hopper. 1,563,710; Dec. 1.
Johnson, John B., and S. Daniels, Dayton, Ohio. Manufacture of armor plate. 1,563,420; Dec. 1.
Johnson, Osval G., Irene, S. Dak. Mail box. 1,564,073; Dec. 1.
Johnson, Otto W., assignor of one-third to J. H. Bras and one-third to L. A. Henter, Hot Springs, Mont. Comb. 1,563,711; Dec. 1.
Johnson, Ralph, Ripley Township, Chautauqua, County, N. Y. Bearing-grinding machine. 1,563,712; Dec. 1.
Johnston, Andrew L., jr., assignor, by mesne assignments, to Off'N'On Chain Corporation, New York, N. Y. Automatic machine for making chains. 1,563,993; Dec. 1.
Johnston, James M. T. (See Gettings, S. S., and Bodman, assignors.)
Johnston, John A., and R. E. Molt, Worcester, Mass. Clamp. 1,563,903; Dec. 1.
Jones, Howard B., Evanston, Ill. Identifying tag. 1,563,371; Dec. 1.
Jones, Leonard M., Dulwich, England. Syringe. 1,564,074; Dec. 1.
Jones, Lester N., Livingston, Calif. Carpenter's tool. 1,563,495; Dec. 1.
Josef, Edward E., Buffalo, N. Y. Anchor for radiator caps, etc. 1,563,749; Dec. 1.
Joyner, Daniel W., Kansas City, Mo. Warehouse truck. 1,563,863; Dec. 1.
Jung, John M., assignor of one-half to A. S. Hanford, jr., Sioux City, Iowa. Lifter. 1,563,575; Dec. 1.
Juvet, Obel, Ferndale, Wash. Operating and maintenance record for vehicles. 1,563,864; Dec. 1.
K. P. Products Company. (See Knauss Edward, assignor.)
Kaminski, Paul, Berlin-Pankow, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. System for adjusting devices at a distance. 1,563,994; Dec. 1.
Kantor, James, Chicago, Ill. Draft arm for soda fountains. 1,563,372; Dec. 1.
Karr, Arthur, Yakima, Wash. Lighting torch. 1,563,995; Dec. 1.
Kasch, Henry J., Dayton, assignor to The Krus-Kash Company, South Broadway, near Dayton, Ohio. Securing knobs and dials to instrument shafts. 1,563,635; Dec. 1.
Kauch, Robert. (See Paulus, C. L., and Kauch.)
Kauch, Robert, Dayton, Ohio. Range finder. 1,563,373; Dec. 1.
Kaufman, Frank M., Philadelphia, Pa. Textile fabric. Des. 68,918; Dec. 1.
Kaufman, Frank M., Philadelphia, Pa. Textile fabric. Des. 68,919; Dec. 1.
Kaynor, Warren F., assignor to The Waterbury Button Company, Waterbury, Conn. Button. Des. 68,920; Dec. 1.
Keall, Frank B., and W. T. Minett, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Leveling machine. 1,563,576; Dec. 1.
Kearney, Norman L., Dayton, Ohio. Proctection screen for airplane cockpits. 1,563,374; Dec. 1.
Kehr, Frederick C., Milwaukee, Wis. Curve oiler. 1,563,996; Dec. 1.
Keir, Duncan, Atlantic City, N. J. Combined mop and wringer. 1,563,496; Dec. 1.
Keller, Albert E. (See Reinhold, Frederick E., assignor.)
Kellogg Company. (See Kellogg, John L., assignor.)
Kellogg, John L., assignor to Kellogg Company, Battle Creek, Mich. Manufacture of bran food. 1,564,181; Dec. 1.
Kellogg Switchboard and Supply Company. (See Dyson, Alfred H., assignor.)
Kellogg Switchboard and Supply Company. (See Weiss, Alfred H., assignor.)

**Kelly, Maston V., Beaumont, Tex.** Closure-plate-securing means. 1,563,865; Dec. 1.

**Kennedy, Andrew J., Chicago, Ill., assignor to Parks** Bros. & Rogers, Inc., Providence, R. I. Cuff link. 1,563,997; Dec. 1.

**Kennedy, Andrew J., Chicago, Ill., assignor to Parks** Bros. & Rogers, Inc., Providence, R. I. Cuff link. 1,563,998; Dec. 1.

**Kennedy, David S., Brooklyn, N. Y., assignor to Mer**genthaler Linotype Company. Typographical distributing machine. 1,563,750; Dec. 1.

**Kerckhoff, Daniel C., and R. Copp, assignors to Peveley** Dairy Company, St. Louis, Mo. Filter. 1,563,904; Dec. 1.

**Kerckhoff, Daniel C., and R. Copp, assignors to Pevely** Dairy Company, St. Louis, Mo. Pasteurizing process and apparatus. 1,563,905; Dec. 1.

**Kewish, John T., New York, N. Y.** Automatic firearm. 1,563,751; Dec. 1.

**Kindermann, Louis F., Pittsburgh, Pa., assignor to West**inghouse Electric & Manufacturing Company. Glow-discharge transmitter casing. 1,563,375; Dec. 1.

**King, Anna G., administratrix.** (See King, Roy D.)

**King, Roy D., deceased, Chicago, Ill.: A. G. King, ad**ministratrix. Doughnut former. 1,563,376; Dec. 1.

**Kiriak, Eremy, Ford, Ontario, Canada.** Incandescent lamp. 1,563,999; Dec. 1.

**Kirksey, Amos H.** (See Clayton, E. R., and Kirksey.)

**Klein, Charles H., Jersey City, N. J., assignor to Ameri**can Telephone and Telegraph Company. Pulling and transposing mechanism for line wires. 1,563,377; Dec. 1.

**Kleinschmidt, Edward E., Long Island City, N. Y., as**signor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Ball storage transmitter. 1,563,906; Dec. 1.

**Klow, Louis, Chicago, Ill.** Feed trough. 1,563,497; Dec. 1.

**Knauss, Edward, Florin, Calif., assignor to K. P. Prod**ucts Company, Inc., New York, N. Y. Governor for internal-combustion motors. 1,563,378; Dec. 1.

**Knoll, Phillip G., Port Colborne, Ontario, Canada.** Boot and shoe. 1,563,498; Dec. 1.

**Knudsen, Hugo C., Brooklyn, assignor to American Lith**ographic Company, New York, N. Y. Producing true gradation prints for making half-tone printing plates. 1,563,499; Dec. 1.

**Koch, Henry, Jamaica, N. Y., assignor to Dictograph** Products Corporation. Loud-speaking receiver unit. 1,563,500; Dec. 1.

**Koch, Henry, Jamaica, and F. H. N. Wohlers, Hemp**stead, N. Y., assignors to Dictograph Products Corporation. Telephone receiver. 1,563,501; Dec. 1.

**Koff, Samuel, Brooklyn, N. Y.** Folding box. 1,563,907; Dec. 1.

**Kohn, Koby, New York, N. Y.** Safety firecracker. 1,563,379; Dec. 1.

**Koken, Walter F., St. Louis, Mo.** Hairdresser's and barber's chair. 1,564,000; Dec. 1.

**Koppers Company, The.** (See Sperr, Frederick W., jr., assignor.)

**Korb, William, Cheviot, Ohio.** Manufacturing automobile radiators. 1,563,502; Dec. 1.

**Kortejarvi, Aaro, Fitchburg, Mass.** Pipe. 1,563,866; Dec. 1.

**Kothny, Gottdank L., Strafford, assignor to C. H. Wheeler** Manufacturing Company, Philadelphia, Pa. Ejector. 1,563,752; Dec. 1.

**Krause, David H., Anacortes, Wash.** Game. 1,563,908; Dec. 1.

**Krell, George, Sapulpa, Okla.** Pipe clamp. 1,564,001; Dec. 1.

**Krone, Carl R., Oakland, Calif.** Electrical switch. 1,563,753; Dec. 1.

**Kronman, Edward, New York, N. Y.** Sterilizer. Des. 68,921; Dec. 1.

**Krueger, Albert G., assignor to Northern Corrugating** Co., Green Bay, Wis. Dispensing cabinet. 1,563,867; Dec. 1.

**Kuhn, Joseph R., assignor, by mesne assignments, to C.** Ellis, Montclair, N. J. Acid-resistant shellac substitute. 1,564,002; Dec. 1.

**Kunkle, George R., Elyria, Ohio.** Electric-motor mechanism. 1,563,380; Dec. 1.

**Kurz-Kasch Company, The.** (See Kasch, Henry J., assignor.)

**Kuzaroff, Constantine, assignor of one-half to J. Der**doski, St. Paul, Minn. Smoker's tray. Des. 68,922; Dec. 1.

**Kuzaroff, Constantine, assignor of one-half to J. Der**doski, St. Paul, Minn. Smoker's tray. Des. 68,923; Dec. 1.

**Laddon, Isaac M.** (See Gerhardt, W. F., and Laddon.)

**Lakewood Engineering Company.** (See Pleines, Henry T., assignor.)

**Lakin, J Harry, assignor to The Lakin Manufacturing** Company, Pittsburgh, Pa. Water recooler. 1,564,075; Dec. 1.

**Lakin Manufacturing Company, The.** (See Lakin, J Harry, assignor.)

**Langer, Harry C., Milwaukee, Wis.** Stocking and method of making. 1,563,868; Dec. 1.

**Lare, Benjamin F., deceased, Philadelphia, Pa.; M. A.** Lare, executrix. Combined vacuum-tube attachment and air-inlet device for gas engines. 1,564,076; Dec. 1.

**Lare, Matilda A., executrix.** (See Lare, Benjamin F.)

**Larmore, Clinton O., Baltimore, Md.** Lunch-counter partition. 1,563,381; Dec. 1.

**Larrey, Teodoro, and L. Godard, Mexico, Mexico.** Steam-boiler installation. 1,563,503; Dec. 1.

**Larson, Anders G., Christiania, Norway.** Hinge. 1,563,869; Dec. 1.

**La Rue, John B.** (See Scofield, S. W., and La Rue.)

**Latour Corporation.** (See Latour, Marius, assignor.)

**Latour, Marius, Paris, France, assignor to Latour Cor**poration, Jersey City, N. J. Electrical condenser. 1,563,754; Dec. 1.

**Laubman, Charles W.** (See Pank, H. G., and Laubman.)

**Lavallee, Charles F., Newmarket, N. H.** Vehicle spring check shock absorber. 1,564,003; Dec. 1.

**Leathers, Ward, Haworth, N. J.** Steam-power plant for airplanes. 1,563,504; Dec. 1.

**Legat, Robert C., New Britain, Conn., assignor to The** G. E. Prentice Manufacturing Company. Hanger support. 1,564,004; Dec. 1.

**Legg, Joseph W., Wilkinsburg, Pa., assignor to Westing**house Electric & Manufacturing Company. Graphic recording device. 1,563,382; Dec. 1.

**Lenox Incorporated.** (See Holmes, Frank G., assignor.)

**Leonardt, Carl, Los Angeles, Calif.** Manufacturing cement. 1,563,755; Dec. 1.

**Leslie, Bradford, London, England.** Joint for railway-rail ends. 1,564,005; Dec. 1.

**Lester, William H., assignor to Elgin American Manu**facturing Co., Elgin, Ill. Article holder. Des. 68,924; Dec. 1.

**Levin, Manuel, Boston, Mass.** Stove polish. 1,563,421; Dec. 1.

**Lewis Invisible Stitch Machine Co.** (See Hayes, Thomas J., assignor.)

**Lewis Invisible Stitch Machine Co.** (See Mueller, Charles W., assignor.)

**Lewis, William H., Bandon, Oreg.** Friction brake. 1,563,636; Dec. 1.

**Liberman, Bernard, Philadelphia, Pa.** Cigar bunching. 1,563,756; Dec. 1.

**Lichte, Hugo.** (See Hecht, H., Rudolph, Lichte, and Hahnemann.)

**Lieberherr, Jakob, Islikon, Switzerland.** Roasting machine. 1,563,757; Dec. 1.

**Liess, Frederick H., Watson, Mo.** Plowing or cultivating machine. 1,564,077; Dec. 1.

**Lindahl, Anders.** (See Luttropp, Conrad, assignor.)

**Lindberg, John F., assignor to Reliance Die and Stamp**ing Company, Chicago, Ill. Condenser. 1,563,758; Dec. 1.

**Lindblad, Allan P., Everett, Mass.** Napkin holder. Des. 68,925; Dec. 1.

**Linebaugh, Edward R., Barberton, Ohio, assignor to The** Diamond Match Company, Chicago, Ill. Printing press. 1,563,383; Dec. 1.

**Linney, Joseph E., assignor to Chateaugay Ore & Iron Co.,** Lyon Mountain, N. Y. Sintering machine. 1,563,759; Dec. 1.

**Livingston, John H., Holly Ridge, La.** Steam engine. 1,564,137; Dec. 1.

**Loblaw Groceterias Co. Limited.** (See Loblaw, Theodore P., assignor.)

**Loblaw, Theodore P., assignor to Loblaw Groceterias Co.** Limited, Toronto, Ontario, Canada. Refrigerator counter. 1,563,577; Dec. 1.

**Lock, Charles C., Hannibal, Mo.** Violin. 1,564,078; Dec. 1.

**Loening, Grover C., New York, N. Y.** Retractible landing gear. 1,563,384; Dec. 1.

**Loetscher, Martin B., Hollywood, Calif.** Tire cover. 1,563,760; Dec. 1.

**Lollis, Benjamin F., Berwyn, Ill.** Adjustable contact means. 1,563,578; Dec. 1.

**Lorbiecki, Johanna, Hatley, Wis.** Hair net. 1,564,079; Dec. 1.

**Lough, Hector V., assignor to The Hartford Rubber** Works Company, Hartford, Conn. Grappling device. 1,563,505; Dec. 1.

**Lowden, Hugh B., Denver, Colo.** Means for converting motion. 1,563,761; Dec. 1.

**Lundblad, Paul A., Linden, Calif.** Railway-crossing guard. 1,563,637; Dec. 1.

**Lundgren, Arthur W.** (See Reinhardt, W. C., and Lundgren.)

**Lundgren, Edwin Frederick, Md., assignor to Combustion** Engineering Corporation, New York, N. Y. Stoker. 1,563,762; Dec. 1.

**Lundman, Arvid, Winnipeg, Manitoba, Canada.** Safety attachment to grain elevators. 1,564,080; Dec. 1.

**Lupton, Samuel J., Winnipeg, Manitoba, Canada.** Cleaning system for boilers. 1,563,906; Dec. 1.

**Luthy, Joseph O., San Antonio, Tex., assignor to Luthy** Research Laboratory. Recovery and utilization of materials of old secondary-battery plates. 1,563,506; Dec. 1.

**Luthy Research Laboratory.** (See Luthy, Joseph O., assignor.)

**Luttropp, Conrad, assignor of one-half to A. Lindahl,** Stockholm, Sweden. Calculating machine. 1,563,763; Dec. 1.

**Lyebou, Robert A., Chester, Pa.** Golf practicing device. 1,564,081; Dec. 1.

**Lyon, Howard, assignor to Welsbach Company, Glouces**ter, N. J. Oven. 1,564,082; Dec. 1.





**Lyons, William, Rosebery East, Victoria, Australia.** Grain-drill share. 1,564,083; Dec. 1.

**MacDonald, Sadie, New York, N. Y.** Facial device. 1,563,767; Dec. 1.

**MacEachen, Roderick, Washington, D. C.** Coal elevating and conveying apparatus. 1,563,387; Dec. 1.

**MacInnes, Robert H., Hamilton, Ontario, Canada.** Electric stove oven. 1,564,086; Dec. 1.

**Mackay, Robert G., Chicago, Ill.** Fireplace. Des. 68,926; Dec. 1.

**Mackay, Robert G., Chicago, Ill.** Fireplace. Des. 68,927; Dec. 1.

**Mackay, Robert G., Chicago, Ill.** Fireplace. Des. 68,928; Dec. 1.

**Major, Robert, P. J. Durbin, and F. C. Orr, Los Angeles,** Calif.; said Orr assignor to said Major and Durbin. Street or station indicator. 1,563,579; Dec. 1.

**Mallinckrodt, Philip H., Salt Lake City, Utah.** Automatically-extensible hoisting mast. 1,563,768; Dec. 1.

**Malocsay, Frank, New York, N. Y., assignor, by mesne** assignments, to Sonora Phonograph Company, Inc. Talking machine. 1,564,008; Dec. 1.

**Manhattan Electrical Supply Company, The.** (See Hendry, William F., assignor.)

**Mantle, David L., Stillwater, Okla.** Combination cap. 1,563,507; Dec. 1.

**Marbury, Ralph E., Edgewood Park, Pa., assignor to** Westinghouse Electric & Manufacturing Company. Wireless receiving system. 1,563,425; Dec. 1.

**Marbury, Ralph E., Wilkinsburg, Pa., assignor to West**inghouse Electric & Manufacturing Company. Condenser for power-factor correction. 1,563,426; Dec. 1.

**Marden, William L., assignor to Neptune Meter Com**pany, New York, N. Y. Register for liquid-dispensing apparatus. 1,563,769; Dec. 1.

**Marden, William L., assignor to Neptune Meter Com**pany, New York, N. Y. Register for liquid-dispensing apparatus. 1,563,770; Dec. 1.

**Marlor, Alfred Hyde, England, assignor of one-third to** E. Axon, South Norwalk, Conn. Decorated hat leather or sweatband. 1,563,910; Dec. 1.

**Marsden, Philip A.** (See Cutler, A. E., and Marsden.)

**Martin, Bruno, Saginaw, Mich.** Hood or protector for gasoline torches, etc. 1,563,427; Dec. 1.

**Maschinenfabrik Benninger A. G.** (See Greis, Theodor, assignor.)

**Mason, John J., Brooklyn, N. Y., assignor, by mesne as**signments, to Underwood Typewriter Company. Stencil attachment for typewriters. 1,563,771; Dec. 1.

**Mason, Walter L., Red Bank, N. J.** Replaceable tooth. 1,564,087; Dec. 1.

**Matthews, Edward, assignor of one-half to W. P.** Tichenor, Denver, Colo. Shock absorber. 1,564,088; Dec. 1.

**Mattison, Carl L., and W. O. Vivarttas, assignors to** Mattison Machine Works, Rockford, Ill. Work-guiding means for molding machines and the like. 1,563,388; Dec. 1.

**Mattison Machine Works.** (See Mattison, C. L., and Vivarttas, assignors.)

**Maximotor Company, The.** (See Goldberg, Meyer J., assignor.)

**Maxwell, Edwin F., Berkeley, Calif.** Archery device. 1,564,089; Dec. 1.

**May, Edward E., Parker, S. Dak.** Animal trap. 1,563,772; Dec. 1.

**May, Martin D., Monroe, Mich.** Collapsible core. 1,563,580; Dec. 1.

**May, Martin D., Monroe, Mich.** Concrete form. 1,563,581; Dec. 1.

**Maynard Arthur H., Warwick, R. I., assignor to Boston** Wire Stitcher Company, Portland, Me. Paper clip and book holder. 1,563,508; Dec. 1.

**McCarthy, Daniel J., Elgin, Ill., assignor to Chicago** Railway Signal and Supply Company. Locating lamp. 1,563,509; Dec. 1.

**McCarthy, Daniel J., Elgin, Ill., assignor to Chicago, Rail**way Signal and Supply Company. Lamp-locating device. 1,563,510; Dec. 1.

**McClelland, Walter J., East Orange, N. J.** Stocking. 1,563,764; Dec. 1.

**McClelland, William H., Huntingdon, assignor, by mesne** assignments, to R. P. M. Davis, Mount Union, Pa. Safety device. 1,563,422; Dec. 1.

**McClelland, William H., assignor, by mesne assignments,** to R. P. M. Davis, Mount Union, Pa. Stripper. 1,563,423; Dec. 1.

**McClymont, Bryce W., Walkerville, Ontario, Canada, and** S. J. North, Detroit, Mich. Valve. 1,563,385; Dec. 1.

**McCormick, Wallace H., Streator, Ill.** Universal mounting and hoist for dumping-truck bodies. 1,563,638; Dec. 1.

**McCormick, Wallace H., Streator, Ill.** Dumping mechanism for truck bodies. 1,563,639; Dec. 1.

**McCormick, Wallace H., Streator, Ill.** Hoist for dumping truck. 1,563,640; Dec. 1.

**McCready, Charles T., Onley, Va.** Vine turner. 1,563,765; Dec. 1.

**McDade, James E., Chicago, Ill.** Silent-reading story-illustrating arrangement. 1,563,582; Dec. 1.

**McDonald, Hugh F., San Francisco, Calif.** Collapsible hat holder. 1,563,511; Dec. 1.

**McDonald, Leslie R., Westmount, Quebec, Canada.** Telephone diaphragm. 1,563,512; Dec. 1.

**McFeil, Judson, Chicago, Ill.** Automatic controlling means for oil burners and the like. 1,564,084; Dec. 1.

**McGee, Patrick A., Wilkinsburg, Pa., assignor to West**inghouse Electric & Manufacturing Company. Catenary system. 1,563,386; Dec. 1.

**McKee, Arthur G., assignor to Arthur G. McKee & Com**pany, Cleveland, Ohio. Distributor drive for blast-furnace stacks. 1,563,424; Dec. 1.

**McKee, Arthur G., & Company.** (See McKee, Arthur G., assignor.)

**McKee, Ralph H.** (See Barnitt, Jesse B., assignor.)

**McLaren, William E., Los Angeles, Calif.** Vehicle. 1,563,766; Dec. 1.

**McLaughlin, William I., Oakland, assignor to Standard** Oil Company, San Francisco, Calif. Fishing tool for underreamer bits. 1,563,641; Dec. 1.

**McLauthlin, Martin B., Malden, Mass.** Machine for cutting sheet material. 1,564,006; Dec. 1.

**McMillan Allie, Embarrass, Wis.** Ensilage protector. 1,564,085; Dec. 1.

**McNeill, George K., assignor to Morgan & Wright, Detroit,** Mich. Apparatus for removing vulcanizing bags. 1,563,513; Dec. 1.

**McNeill, Ralph W., Wilkinsburg, Pa., assignor to West**inghouse Electric & Manufacturing Company. Motor-control system. 1,564,007; Dec. 1.

**McVeety, James H.** (See Morton, James E., assignor.)

**Meikiejohn, Thomas W., Fond du Lac, Wis.** Automotive vehicle. 1,564,090; Dec. 1.

**Melton, Ethel, Atlanta, Ga.** Child's bed. 1,563,428; Dec. 1.

**Mergenthaler Linotype Company.** (See Kennedy, David S., assignor.)

**Mergenthaler Linotype Company.** (See Rogers, John R., assignor.)

**Metals Protection Corp.** (See Humphries Chad H., assignor.)

**Mewborn, Sidney G., Wilson, N. C.** Automobile dirigible headlight. 1,563,911; Dec. 1.

**Meyer, Otto A., Winchester, Ind.** Headlight-operating device. 1,563,774; Dec. 1.

**Meyers, George W., Rahway, N. J., assignor to National** Pneumatic Company, New York, N. Y. Centrifugally-operated circuit breaker. 1,563,773; Dec. 1.

**Mieg, Walter, Vohwinkel, and H. Raeder, Leverkusen,** near Cologne, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Sulfonated oxy-dianthraquinonylamine dyestuffs and making the same. 1,564,091; Dec. 1.

**Migel, Louey.** (See Hannah, Robert L., assignor.)

**Miles, Thomas J., Louisville, Ky.** Display rack. 1,563,429; Dec. 1.

**Miller, Frank R., assignor to The Hobart Manufacturing** Company, Troy, Ohio. Food-treating apparatus. 1,563,389; Dec. 1.

**Miller, Frank S., St. Louis, Mo.** Fuel-saving device. 1,564,176; Dec. 1.

**Miller, James, and H. Gruber, Nehawka, Nebr.** Automatic hog waterer. 1,563,775; Dec. 1.

**Miller, John W., Pasadena, Calif.** Power-transmission mechanism. 1,563,514; Dec. 1.

**Miller, Matthias, Gainesville, Fla.** Tire changer. 1,564,092; Dec. 1.

**Miller Saw-Trimmer Company.** (See Smith, Walter H., assignor.)

**Miller, Vernon L., assignor to The Faultless Rubber Com**pany, Ashland, Ohio. Return ball. 1,563,912; Dec. 1.

**Millspaugh, William H., assignor to The Paper & Textile** Machinery Company, Sandusky, Ohio. Vacuum pump. 1,563,583; Dec. 1.

**Mine & Smelter Supply Company, The.** (See Thompson, Charles E., assignor.)

**Minett, Wilfrid T.** (See Keall, F. B., and Minett.)

**Mirfield, George E., Youngstown, Ohio.** Method and apparatus for rounding articles. Re16,220; Dec. 1.

**Mitchell, Frederick G., Ridgefield Park, N. J.** Automatic cut-off switch for radio receiving sets. 1,563,776; Dec. 1.

**Mitchell, Thomas A., Ridgewood, N. J., and K. Taube,** New York, N. Y. Making arsenates. 1,564,093; Dec. 1.

**Monroe, William A., Jasper, Fla.** Vine clipper or cutter. 1,564,094; Dec. 1.

**Moberley, Edward S., Detroit, Mich.** Piston ring. 1,564,095; Dec. 1.

**Molt, Robert E.** (See Johnston, J. A., and Molt.)

**Monti, Endo, Turin, Italy.** Preparation of concentrated unalterable foods. 1,563,515; Dec. 1.

**Moore, Calvin C., Steubenville, Ohio.** Headlamp-control device. 1,563,430; Dec. 1.

**Moore, James A., Rochester, and J. S. Conley, Beaver, Pa.** Spacing mechanism. 1,564,096; Dec. 1.

**Moran, William F., Chicago, assignor of one-half to W. J.** Conlon, Oak Park, Ill. Automatic reversing mechanism for washing machines. 1,563,913; Dec. 1.

**Morehouse, Eugene, assignor to B. A. Ballou & Co., Inc.,** Providence, R. I. Safety catch. 1,563,777; Dec. 1.

**Morgan & Wright.** (See McNeill, George K., assignor.)

**Morgan & Wright.** (See Otto, Albert, assignor.)

**Morkrum Company.** (See Brady, John B., assignor.)

**Morkrum Kleinschmidt Corporation.** (See Kleinschmidt, Edward E., assignor.)

**Morkrum Kleinschmidt Corporation.** (See Nelson, Carl E., assignor.)

**Morris, Connie W., Fremont, N. C.** Curtain fastener. 1,564,097; Dec. 1.

Morse, Albert A., Chicago, Ill., assignor to Athey Company. Weather strip. 1,564,182; Dec. 1.
Morse, Thomas W., Ridgefield Park, N. J., assignor to The Flintkote Company, Boston, Mass. Process and apparatus for producing waterproofing material and product produced thereby. 1,563,642; Dec. 1.
Mortensen, Jacob, Moorhead, Iowa. Pump jack. 1,564,098; Dec. 1.
Morton, Charles M., Buffalo, N. Y. Closure for containers. 1,564,099; Dec. 1.
Morton, James E., West Lafayette, Ind., assignor of one-half to J. H. McVeety, Memphis, Tenn. Automobile parking machine. 1,564,100; Dec. 1.
Moss, William R. (See Cooley, Hiram W., assignor.)
Mudd, Rolla E., Chicago Ill. Neutral latch for planetary transmissions. 1,563,778; Dec. 1.
Mueller, Charles W., St. Louis, Mo., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co. Work-handling mechanism for sewing machines. 1,564,177; Dec. 1.
Mueller, Theodore G. (See Schmidt, W. H., Dallmann, and Mueller.)
Müller, Enrique, Chihuahua, Mexico. Vacuum tank. 1,563,516; Dec. 1.
Murphy, Paul B., Nyack, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,563,517; Dec. 1.
Muzzio, James A., Cleveland, Ohio. Locking mechanism. 1,563,914; Dec. 1.
Myers, Eugene V., East Orange, N. J. Gas engine. 1,564,009; Dec. 1.
Nakamura, Tadao, Los Angeles, Calif. Bag holder. 1,564,101; Dec. 1.
National Carbon Company. (See Heise, George W., assignor.)
National Pneumatic Company. (See Meyers, George W., assignor.)
Nelson, Carl E., Brooklyn, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Tabulating mechanism for printing telegraphs. 1,563,915; Dec. 1.
Neptune Meter Company. (See Marden, William L., assignor.)
Neureuther, Andrew H., Peru, Ill., assignor, by mesne assignments, to Western Clock Company. Machine for manufacturing and mounting pinions and wheels. 1,563,431; Dec. 1.
New Idea Spreader Co. (See Oppenheim, T. H., and Selhorst, assignors.)
New Jersey Twin Hoist Company. (See Gasser, Joseph, assignor.)
Newport News Shipbuilding and Dry Dock Company. (See Smith, Godfrey L., assignor.)
Newsom, James B., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,563,643; Dec. 1.
Nichols, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave-receiving system. 1,563,644; Dec. 1.
Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window-controlling device. 1,563,390; Dec. 1.
Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window-controlling device. 1,563,391; Dec. 1.
Nicholson, William C. (See Boxer, M., and Nicholson.)
Nieberding, Frank A., Cleveland, Ohio. Valve. 1,563,916; Dec. 1.
Nielsen, John. (See Gardner, E. B., Gardner, and Nielsen.)
Nielsen, John, et al. (See Gardner, Ralph D., assignor.)
Non-Explosive Corporation of America. (See Cohn, Jacob assignor.)
Nordin, Josef A., assignor to Aktiebolaget Stille-Werner Stockholm, Sweden. Apparatus for manufacturing ligatures and the like. 1,563,779; Dec. 1.
North American Company, The. (See Rowland, Arthur J., assignor.)
North, Seth J. (See McClymont, B. W., and North.)
Northern Corrugating Co. (See Grueger, Albert G., assignor.)
Northey, John P., trustee. (See Northey, Rodney V., assignor.)
Northey, Rodney V., assignor to J. P. Northey, trustee, Toronto, Ontario, Canada. Glb. 1,563,518; Dec. 1.
Nourney, Carl, Berlin-Wilmersdorf, Germany. Translucent luminous advertising mirror. 1,564,010; Dec. 1.
Nowosielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Two-spark magneto. 1,564,102; Dec. 1.
Noyes, Ned H. (See Clough, M. P., and Noyes.)
Nuttall, R. D., Company. (See Burnham, Leland F., assignor.)
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Composite ringer for transmission systems. 1,563,432; Dec. 1.
Obergfell, Herbert F., River Forest, assignor to Automatic Electric Company, Chicago, Ill. Combined ringer box and telephone desk stand. Des. 68,929; Dec. 1.
O'Brien, Florrence S., St. Paul, Minn. Combined salt and pepper shaker. 1,563,917; Dec. 1.
O'Connor, Arthur F., assignor to Union Railway Equipment Company, Chicago, Ill. Valve for brine tanks 1,563,645; Dec. 1.
Off 'N' On Chain Corporation. (See Johnston, Andrew L., jr., assignor.)
Ogden, John E. (See Tomkinson, Charles C., assignor.)
Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Stopping and starting mechanism for shoe-stitching or other machines. 1,564,103; Dec. 1.
Olson, Emil, South Haven, Minn. Door-holding device. 1,564,104; Dec. 1.
Opalka, William G. (See Zwirner, Oscar, assignor.)
Oppenheim, Theodore H., and H. Selhorst, assignors to New Idea Spreader Co., Coldwater, Ohio. Alignment jig for use in casting rolls. 1,564,011; Dec. 1.
Orem, Frederick S., Baltimore, Md. Air cleaner for automobile engines and the like. 1,564,178; Dec. 1.
Orr, Fingal C. (See Major, R., Durbin, and Orr.)
Osborn, Alden H., New York, N. Y. Internal-combustion engine. 1,563,392; Dec. 1.
O'Shaughnessy, Thomas A., Chicago, Ill. Refractory glass plate or articles and producing the same. 1,563,584; Dec. 1.
Osterman, Lawrence, Chicago, Ill. Music-leaf turner. 1,563,393; Dec. 1.
Otto, Albert, assignor to Morgan & Wright, Detroit, Mich. Apparatus for manufacturing tire casings. 1,563,519; Dec. 1.
Ouellet, Albert F., New York, N. Y. Saw. 1,564,105; Dec. 1.
Ovenshire, Clyde A., Berkeley, assignor to California By-Products Company, San Francisco, Calif. Handle structure for tennis rackets. 1,563,780; Dec. 1.
Ovington, Edward J., Auburndale, Mass., assignor to Davis & Geck, Inc., Brooklyn, N. Y. Suture. 1,564,012; Dec. 1.
Owen, Jack M., Long Beach, Calif. Oil-well cementing. 1,563,520; Dec. 1.
Owens Bottle Company. (See Soubier, Leonard D., assignor.)
Owens, Freeman H., New York, N. Y. Motion-picture apparatus. 1,563,394; Dec. 1.
Oxford Paper Company. (See Hosmer, Guy F., assignor.)
Page, Charles E., Baldwinsville, N. Y. Weighing scale. 1,563,781; Dec. 1.
Paine, Arthur P., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle-positioning means for Axminster looms. 1,563,585; Dec. 1.
Pallesen, Nels P. (See Peters, J. D., and Pallesen.)
Pank, Harold G., and C. W. Laubman, Adelaide, South Australia, Australia. Sight-testing apparatus. 1,564,013; Dec. 1.
Paper & Textile Machinery Company, The. (See Millspaugh, William H., assignor.)
Parks Bros. & Rogers, Inc. (See Forsell, Frans E., assignor.)
Parks Bros. & Rogers, Inc. (See Kennedy, Andrew J., assignor.)
Parsons, Harold K., assignor to American Optical Company, Southbridge, Mass. Grinding lenses. 1,563,918; Dec. 1.
Parsons, Louis R., Raritan, Ill. Rail and tie plate therefor. 1,563,919; Dec. 1.
Partington, Jack A., San Francisco, Calif. Theatrical novelty. 1,563,782; Dec. 1.
Patzschke, Otto, Sondershausen, Germany. Stretching apparatus for treating arm and leg fractures. 1,564,106; Dec. 1.
Paul, Leon R., Chicago, Ill. Self-cleaning bathtub. 1,563,733; Dec. 1.
Paulus, Charles L. (See Russell, H. O., and Paulus.)
Paulus, Charles L., and R. Kauch, Dayton, Ohio. Rudder bar for aircraft. 1,563,433; Dec. 1.
Pearson, Absalom F., Mountain View, assignor of one-half to R. D. Pearson, Los Angeles, Calif. Incubator. 1,563,646; Dec. 1.
Pearson, Edward, Dalbo, Minn. Weighing stand. 1,563,521; Dec. 1.
Pearson, Robert D. (See Pearson, Absalom F., assignor.)
Pedersen, John D., Jackson, Wyo. Firearm. 1,564,014; Dec. 1.
Pemberton, Elmer, Hyde Park, Calif. Incubator. 1,563,647; Dec. 1.
Penn, Oscar S., London, assignor to Roadless Traction Limited, Hounslow, England. Endless track for vehicles. 1,563,522; Dec. 1.
Peppard, Mayme J., Minneapolis, Minn. Trunk. 1,563,784; Dec. 1.
Perkins, Benjamin C., assignor to The Arrow Electric Company, Hartford, Conn. Luminous attachment for electric-switch-operating members. 1,564,015; Dec. 1.
Perkins, Benjamin C., assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,564,016; Dec. 1.
Perkins, Thomas S., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley pole. 1,563,395; Dec. 1.
Peters, Jay D., and N. P. Pallesen, Marcus, Iowa. Snowplow. 1,563,920; Dec. 1.
Petersen, George E., assignor to William H. Grundy Company, Inc., Bristol, Pa. Liquid-feed receptacle. 1,563,396; Dec. 1.
Peterson, Isaac, Berkeley, Calif. Spacing fastener for wire screens. 1,563,785; Dec. 1.
Petersson, Ernst, Orebro, Sweden. Device for casting iron and other difficultly-fusible metals under pressure. 1,563,523; Dec. 1.



Pevely Dairy Company. (See Copp, Ralph, assignor.)
Pevely Dairy Company. (See Kerckhoff, D. C., and Copp, assignors.)
Pewther, Judson C., Denver, Colo. Valve grinder. 1,564,017; Dec. 1.
Pewther, Judson C., Wichita, Kans. Steering stabilizer. 1,564,018; Dec. 1.
Phelps, Roswell F., East Dedham, Mass. Adjustable chart. 1,563,786; Dec. 1.
Pictures Development Co. (See Bulask, Francis J., assignor.)
Pierce, Clarence A., Lowell, Mass. Bunch-building spinning-frame cam. 1,563,648; Dec. 1.
Pierce, Henry M., Chippewa Falls, Wis. Milk-bottle cover. 1,564,019; Dec. 1.
Pierman, Alexander N., Newark, and N. A. Curtiss, Ramsey, N. J., assignors to M. R. Hutchison, New York, N. Y. Silencer for telephones and the like. 1,563,586; Dec. 1.
Pigman, Marlo D., Middletown, Ohio. Suction box. 1,563,649; Dec. 1.
Pihl, Albert, Murray, Utah, assignor to Holliday & Manufacturing Company. Telephone receiver. 1,563,787; Dec. 1.
Pleines, Henry T., Cleveland, assignor to The Lakewood Engineering Company, Lakewood, Ohio. Industrial truck. 1,563,650; Dec. 1.
Plooster, Neal W., Prescott, Ariz. Brush. 1,564,107; Dec. 1.
Plummer, John S., Dayton, Ohio. Safeguard for banks. 1,563,921; Dec. 1.
Pluto, Joseph, Pontiac, Mich. Tire valve. 1,564,108; Dec. 1.
Pohler, Herman M., Milwaukee, Wis. Propelling mechanism for boats. 1,563,922; Dec. 1.
Pollak, Fritz. (See Ripper, Kurt, assignor.)
Pomerant, Isadore, assignor to W. F. Sheehan, St. Louis, Mo. Interlocking sheet-steel frame for anchorage of plaster boards. 1,563,651; Dec. 1.
Pondelick, John, Riverside, Ill. Piston for internal-combustion engines. 1,563,932; Dec. 1.
Ponolle, Léon, Angers, France. Post base. 1,564,109; Dec. 1.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,563,652; Dec. 1.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,564,020; Dec. 1.
Prater, John, Stanfield, Oreg. Weeder. 1,563,434; Dec. 1.
Pratt, Carl D., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Blasting-powder composition. 1,563,924; Dec. 1.
Pratt, Carl D., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Blasting-powder composition. 1,563,925; Dec. 1.
Pratt, Carl D., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Blasting-powder composition. 1,563,926; Dec. 1.
Prendergast, Edward, St. Louis, Mo. Mop and handle therefor. 1,563,653; Dec. 1.
Prentice, G. E., Manufacturing Company. (See Legas, Robert C., assignor.)
Prentice, G. E., Manufacturing Company. (See Prentice, George E., assignor.)
Prentice, George E., Berlin, assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Key case. 1,564,021; Dec. 1.
Prenzel, Adam H., Halifax, Pa. Stapling machine. 1,563,435; Dec. 1.
Prescott, William E., Harrow, England. Machine for mixing. 1,563,524; Dec. 1.
Price, David R., assignor of one-half to C. Delano, Newtonville, Mass. Electrical system for motor vehicles. 1,563,525; Dec. 1.
Priebe, Herman C., Blue Island, Ill. Truck bolster. 1,563,654; Dec. 1.
Primm, Joseph P., assignor of one-fourth to H. R. Berry and one-fourth to J. M. Berry, Rome, Ga. Cam box for knitting machines. 1,563,788; Dec. 1.
Prinzler, Carl J., assignor to Vonnegut Hardware Company, Indianapolis, Ind. Door holder. 1,564,183; Dec. 1.
Prinzler, Carl J., assignor to Vonnegut Hardware Company, Indianapolis, Ind. Strike for doorlocks. 1,564,184; Dec. 1.
Prior, Rufus W., assignor to The Crittall Manufacturing Company, Limited, Braintree, England. Mechanism for opening and closing casement windows. 1,563,655; Dec. 1.
Probert, George S., Dayton, Ohio. Device for buffing matrices for type-casting machines. 1,564,110; Dec. 1.
Proctor & Schwartz, Incorporated. (See Buckley, Joseph L., assignor.)
Pürrer, Anton, Klosterneuburg, Austria. Piano action or movement. 1,563,526; Dec. 1.
Putnam, Russell M., Oconto Falls, Wis. Ripple and bubble eliminator. 1,563,436; Dec. 1.
Racine Tool & Machine Company. (See Reinhardt, W. C., and Lundgren, assignors.)
Racine Tool & Machine Company. (See Reinhart, William C., assignor.)
Raes, Emanuel M., et al. (See Sholts, Richard J., assignor.)
Radiotive Corporation. (See Schmidt, Lambert, assignor.)
Radioff, Max P. E., Hustisford, Wis. Automobile headlight. 1,563,656; Dec. 1.
Raeder, Heinrich. (See Mieg, W., and Raeder.)
Rahn, Joseph C. W., Utica, N. Y. Sweater coat. 1,563,927; Dec. 1.
Ramage, Lockheart W., Ilfracombe, Queensland, Australia. Car coupler. 1,564,111; Dec. 1.
Rambo, Rawdon E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pneumatic brush holder. 1,563,397; Dec. 1.
Raney, Murray, Chattanooga, Tenn. Preparing catalytic material. 1,563,587; Dec. 1.
Rasmussen, Alfred, St. Paul, Minn. Wringer. 1,564,112; Dec. 1.
Ratigan, James P., Walnut Park, Calif. Ball construction for grips and the like. 1,563,657; Dec. 1.
Rauhofer, John, Bethlehem, Pa. Book clamp. 1,564,113; Dec. 1.
Reagan, Maurice E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic reclosing circuit interrupter. 1,563,398; Dec. 1.
Redrup, Charles B., Leeds, England. Valve mechanism of internal-combustion engines. 1,563,789; Dec. 1.
Reece Shoe Machinery Company. (See Carlson, Axel F., assignor.)
Reece Shoe Machinery Company. (See Oliver, John R., assignor.)
Reece Shoe Machinery Company. (See Zaleski, Frank W., assignor.)
Reed, James H., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sewing machine. 1,563,437; Dec. 1.
Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Scale base. Des. 68,930; Dec. 1.
Reid, Jesse M., Pullman, Wash. Signaling device. 1,563,790; Dec. 1.
Reid, John J. (See Gilchrist, H. W., and Reid.)
Reid, William, Philadelphia, Pa. Garment hanger. 1,563,928; Dec. 1.
Reinhardt, William C., assignor to Racine Tool & Machine Company, Racine, Wis. Portable rail-sawing machine. 1,564,114; Dec. 1.
Reinhardt, William C., and A. W. Lundgren, assignors to Racine Tool & Machine Company, Racine, Wis. Hack saw. 1,563,870; Dec. 1.
Reinhold, Frederick E., assignor of one-half to A. E. Keller, Los Angeles, Calif. Arrangement for parking vehicles. 1,563,929; Dec. 1.
Reliance Die and Stamping Company. (See Lindberg, John F., assignor.)
Richard, Charles D., West New Brighton, assignor to Western Electric Company, Incorporated, New York, N. Y. Line switch. 1,563,658; Dec. 1.
Richard, John H., assignor to Richards Airbrake Co. Inc., Buffalo, N. Y. Brake mechanism for automobiles. 1,563,588; Dec. 1.
Richards Airbrake Co. (See Richard, John H., assignor.)
Richardson, William B., Dockers Plains, Via Wangaratta, Victoria, Australia. Distance control attachment for tractors. 1,563,791; Dec. 1.
Rickard, John H., Lexington, N. C., Cableless elevator. 1,563,792; Dec. 1.
Ricketts, Forrest E., Catonsville, Md. Electrical protective device. 1,563,399; Dec. 1.
Ridenour, Herbert L., Hicksville, Ohio. Control for pipes of tanks. 1,564,179; Dec. 1.
Riley, Robert S., assignor to Sanford Riley Stoker Company, Worcester, Mass. Ash support for mechanical stokers. 1,563,930; Dec. 1.
Rinehart, Charles A. (See Hooppaw, O. W., and Rinehart.)
Riordan, Robert J., and J. P. Hanley, Chicago, Ill.; said Riordan assignor to said Hanley. Garment-display rack. 1,563,659; Dec. 1.
Ripper, Kurt, assignor to F. Pollak, Vienna, Austria. Applying metallic coatings to porous bases. 1,563,793; Dec. 1.
Roadless Traction Limited. (See Penn, Oscar S., assignor.)
Robb, Mortimer M., Duluth, Minn. Elevator safety device. 1,563,400; Dec. 1.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Ring. Des. 68,931; Dec. 1.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Ring. Des. 68,932; Dec. 1.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Ring. Des. 68,933; Dec. 1.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Gem-set ring. Des. 68,934; Dec. 1.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Ring. Des. 68,935; Dec. 1.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Gem-set ring. Des. 68,936; Dec. 1.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Ring. Des. 68,937; Dec. 1.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Ring. Des. 68,938; Dec. 1.
Robbins, Meyer L., assignor to Untermeyer Robbins & Co., New York, N. Y. Gem-set ring. Des. 68,939; Dec. 1.

Roberts, William, Springfield, Ohio. Drinking fountain. 1,563,794; Dec. 1.

Roberts, William, Springfield, Ohio. Door holder. 1,563,795; Dec. 1.

Robertshaw, George A., Greensburg, Pa., Safety device for hot-water systems. 1,564,115; Dec. 1.

Robinson, Robert M., assignor to Cheatham Electric Switching Device Co., Inc., Louisville, Ky. Locking device for electric switches. 1,564,022; Dec. 1.

Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,563,796; Dec. 1.

Roller Harry F., San Diego, Calif. Valve and cap apparatus. 1,563,871; Dec. 1.

Rontani, Agostino, Cloverdale, Calif. Automobile fender. 1,564,116; Dec. 1.

Ross, James C., Seattle, Wash. Faucet. 1,563,589; Dec. 1.

Ross, Robert E., El Paso, Tex. Automatic safety device for motor-vehicle starters. 1,563,527; Dec. 1.

Rossignol, Aaron T. (See Stickley, J. W., and Rossignol.)

Rote, Bela W., Cleveland, Ohio. Manufacturing plastic compositions. 1,563,872; Dec. 1.

Rottel, Herman W., Milwaukee, Wis. Valve. 1,563,590; Dec. 1.

Rousseau, Ernest N., Detroit, Mich. Wagon. 1,563,401; Dec. 1.

Rowland, Arthur J., Milwaukee, Wis., assignor to The North American Company, New York, N. Y. Testing apparatus. 1,564,138; Dec. 1.

Rubin, Benjamin A., Chicago, Ill. Garment hanger. 1,563,660; Dec. 1.

Rubio, Salvador, Los Angeles, Calif. Knee or foot rest for shovels and the like. 1,563,528; Dec. 1.

Rudolph, Wilhelm. (See Hecht, H., Rudolph, Lichte, and Hahnemann.)

Rueliand, Albertine, New York, N. Y. Electric iron. 1,563,591; Dec. 1.

Russell, Arthur, assignor to The Russell Radio Corporation, Baltimore, Md. Variable condenser. 1,563,440; Dec. 1.

Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Operating trigger for double-gun mounts. 1,563,438; Dec. 1.

Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Flare bracket. 1,563,439; Dec. 1.

Russell Radio Corp, The. (See Russell, Arthur, assignor.)

Ryan, Benjamin J., Dallas, Tex. Machine for forming garment hangers. 1,563,797; Dec. 1.

Ryder, Elmer, Berwyn, Ill. Motor-car heater. 1,563,402; Dec. 1.

Ryder, Elmer, Berwyn, Ill., Water circulator for motor vehicles. 1,563,403; Dec. 1.

Ryon, Eppa H., Pasadena, Calif., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-carrier magazine. 1,563,592; Dec. 1.

Safety Gas Jet Co. (See Gilden, Abraham J., assignor.)

Saklatwalla, Byramji D., Crafton, Pa. Manufacture of alloy steels and irons. 1,564,139; Dec. 1.

Sandow Tool Co. U. S. A. (See Berger, Nathan L., assignor.)

Sanford Riley Stoker Company. (See Riley, Robert S., assignor.)

Sargeant, John M., Elmira, N. Y. Apparatus for constructing thin concrete walls and erecting the same. 1,563,798; Dec. 1.

Sargent & Company. (See Sargent, Edward R., assignor.)

Sargent, Edward R., assignor to Sargent & Company, New Haven, Conn. Casket handle. 1,563,873; Dec. 1.

Sato, Ryuji, New York, N. Y. Amusement device. 1,564,140; Dec. 1.

Satterlee, Henry S., New York, N. Y. Flexible core for molding. 1,563,529; Dec. 1.

Saunders, John H., Klikenny, South Australia, Australia. Device for overcoming the break-of-gauge difficulty in railways. 1,563,530; Dec. 1.

Sawkins, Huntington D., Baltimore, Md. Peanut drying and roasting apparatus. 1,563,861, Dec. 1.

Scanlan, Daniel J., St. Louis, Mo. Draft regulator. 1,564,023; Dec. 1.

Schaal, Emil V., Harrisburg, Pa. Electric-furnace control. 1,563,441; Dec. 1.

Schall, Clinton W., Columbus, Ohio. Building slab. 1,563,593; Dec. 1.

Scheben, Laurence J., Dayton, Ohio. Shaft thrust lock. 1,563,442; Dec. 1.

Scherer, Adolph, Philadelphia, Pa. Combination lamp and lamp shade. 1,564,024; Dec. 1.

Scherer, Franz J., Gregory, S. Dak. Adjustable knock-down bookstand and shelving. 1,563,799; Dec. 1.

Schers, Louis, Wilkes-Barre, Pa. Lamp holder for miners' caps. 1,563,931; Dec. 1.

Scheuner, Johann, Konolfingen, Switzerland. Addressing machine. 1,564,025; Dec. 1.

Schieferstein, Georg H., Berlin-Charlottenburg, Germany. Balancing and coupling freely-oscillating units and units with restrained oscillations. 1,563,531; Dec. 1.

Schlumberger, Jacob, Milwaukee, Wis. Power plant. 1,563,405; Dec. 1.

Schmidt, Lambert, assignor to Radiotive Corporation, Brooklyn, N. Y. Telephone apparatus. 1,564,026; Dec. 1.

Schmidt, William H., P. O. Dallmann, and T. G. Mueller, assignors to Dallmann Machine & Manufacturing Co., Milwaukee, Wis. Hoist for tractors. 1,563,874; Dec. 1.

Schmittuts, Carl, Bad Kissingen, Germany. Impregnating living trees. 1,564,141; Dec. 1.

Schnorr, Fred J., Two Rivers, Wis. Cone holder. 1,563,443; Dec. 1.

Schock, Clarence, Mount Joy, Pa. System for dispensing gasoline. 1,563,444; Dec. 1.

Scholes, George E., Birkenhead, England. Calorimeter. 1,563,662; Dec. 1.

Scholles, Albert J., Mobile, Ala. Ribbon fabric. Des. 68,940; Dec. 1.

Schrader's A., Son, Incorporated. (See Wichmann, Carl F., assignor.)

Schultz, Henry F., Grand Rapids, Mich. Pivot pin. 1,563,404; Dec. 1.

Schwalbe, Carl G., Eberswalde, Germany. Utilizing sulphite cellulose lye. 1,564,142; Dec. 1.

Schwartz, Sam, Memphis, Tenn. Stand. Des. 68,941; Dec. 1.

Scobell, George W., Rochester, N. Y. Carboy top guard. 1,563,445; Dec. 1.

Scofield, Sherman W., and J. B. La Rue, Cleveland, Ohio; said La Rue assignor to said Scofield. Separating the constituents of mineral silicates. 1,563,875; Dec. 1.

Seabury, Ralph L., Toledo, Ohio. Bearing. 1,563,663; Dec. 1.

Seem, Charles B., Williamsport, Pa. Casting radiator sections and the like. 1,564,185; Dec. 1.

Sekulitch, Dushan S., Washington, D. C. Hair clipper. 1,564,143; Dec. 1.

Selhorst, Bernard. (See Oppenheim, T. H., and Selhorst.)

Senett, John H., Woodlawn, Pa. Making pipe couplings. 1,563,664; Dec. 1.

Shadrick, Richard H., Minneapolis, Minn. Heater control. 1,563,532; Dec. 1.

Sheehan, Walter F. (See Pomerants, Isadore, assignor.)

Sholtz, Richard J., assignor of one-third to E. M. Race and one-third to C. M. Hardenbergh, Kansas City, Mo. Package sorter. 1,563,446; Dec. 1.

Short, David L., Philadelphia, Pa. Hair curler. 1,564,027; Dec. 1.

Short, Thomas M., Camden on Gauley, W. Va. Stump puller. 1,563,665; Dec. 1.

Shuler, William A. (See Ford, S. C., and Shuler.)

Siemens & Halske Aktiengesellschaft. (See Kaminski, Paul, assignor.)

Sievern, Fredrick, McKeesport, Pa. Antiskid device. 1,563,666; Dec. 1.

Signal Gesellschaft m. b. H. (See Hecht, H., Lichte, Rudolph, and Hahnemann, assignors.)

Simmen, Paul J., Eden, N. Y. Train-control system. 1,564,144; Dec. 1.

Simmons, R. F., Company. (See Vetter, Louis J., assignor.)

Simonton, Hugh E., Memphis, Tenn. Antislipping device for motor vehicles. 1,563,447; Dec. 1.

Sinclair Refining Company. (See Isom, E. W., and Bell, assignors.)

Sinks, Frank F., Seattle, Wash. Shore. 1,563,533; Dec. 1.

Skinner, Mortimer B., Wilmette, Ill. Branch-pipe connection device. 1,563,406; Dec. 1.

Sleeper, Frank H., assignor to Sleeper & Hartley, Inc., Worcester, Mass. Speed-change gearing. 1,563,594; Dec. 1.

Sleeper & Hartley, Inc. (See Sleeper, Frank H., assignor.)

Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mechanical rectifying system. 1,563,407; Dec. 1.

Smith, Baius F., Kansas City, Mo. Shock-absorbing device for doors. 1,563,876; Dec. 1.

Smith, Charles F., Chicago, Ill. Dishwashing machine. 1,564,028; Dec. 1.

Smith, Charles W., Keyser, W. Va. Superheated-steam locomotive. 1,563,932; Dec. 1.

Smith, De Walt W., assignor of one-half to N. V. Trautman, Louisville, Ky. Indicator. 1,563,534; Dec. 1.

Smith, George D. (See Holthaus, R. B., and Smith.)

Smith, Godfrey L., assignor to Newport News Shipbuilding and Dry Dock Company, Newport News, Va. Suspension device. 1,564,029; Dec. 1.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,563,800; Dec. 1.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,564,448; Dec. 1.

Smith, John E., Fremont, N. C. Backstrap for draft animals. 1,563,801; Dec. 1.

Smith, Robert, near San Jose, Calif. Striker plate. 1,563,667; Dec. 1.

Smith, Virgil S., and W. E. Clarke, Yale, Okla. Grasshopper exterminator. 1,563,668; Dec. 1.

Smith, Walter H., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa. Printing press. 1,563,449; Dec. 1.

Smith, William A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Water-tube connection. 1,563,802; Dec. 1.

Smith-Vaile Manufacturing Co. (See Fleming, Robert G., assignor.)





Snow, Lorenzo L., Washington, D. C. Airplane-radiator shutter. 1,563,450; Dec. 1.

Snow, Oliver R. (See Carlson, B. A., and Snow.)

Snyder, Simon, assignor to Sprout, Waldron & Co., Muncy, Pa. Extensible crank element. 1,563,669; Dec. 1.

Societe Anonyme Anciens Etablissements Georges Pellerin. (See Boulanger, Charles, assignor.)

Société Anonyme Le Carbone. (See Street, Ernest A. G., assignor.)

Soemer, John O., Newark, N. J. Doorlock. 1,564,030; Dec. 1.

Sondack, Abraham, Bronx, N. Y. Ironing board. 1,563,535; Dec. 1.

Sondrup, Hans L., St. Paul, Nebr. Attachment for stacker teeth. 1,564,145; Dec. 1.

Sonn, Israel, Schuylerville, N. Y. Hosiery and supporter therefor. 1,563,877; Dec. 1.

Sonnenberg, Joseph, Irvington, N. J. Combined door knob and lock. 1,564,031; Dec. 1.

Sonora Phonograph Company. (See Farb, Pincus, assignor.)

Sonora Phonograph Company. (See Malocsay, Frank, assignor.)

Soresi, Angelo L., New York, N. Y. Apparatus for surgical uses. 1,564,146; Dec. 1.

Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-forming machine. 1,563,933; Dec. 1.

Southern, Robert L., Berkeley, Calif. Vehicle body. 1,563,803; Dec. 1.

Speckerter, Heinrich, Griesheim-on-the-Main, assignor to Shemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Producing artificial cryolite free from iron, from aluminum-salt solutions containing iron. 1,563,536; Dec. 1.

Spellman, Edward R., Walla Walla, Wash. Draft equalizer. 1,563,804; Dec. 1.

Spencer, Leon C., Ogden, Utah. Electro-magnetically-operated starter switch. 1,563,670; Dec. 1.

Spengler, George H., assignor to F. V. Bogart, Rockford, Ill. Punch. 1,563,671; Dec. 1.

Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Coking process. 1,563,595; Dec. 1.

Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic inclinometer for aeroplanes. 1,563,934; Dec. 1.

Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.)

Spicer, Clarence W., and G. L. Tarbox, Plainfield, N. J., assignors to Spicer Manufacturing Corporation. Flexible coupling. 1,564,186; Dec. 1.

Spicer Manufacturing Corporation. (See Spicer, C. W., and Tarbox, assignors.)

Spiltdorf Electrical Company. (See Nowosielski, Edward B., assignor.)

Sprout, Waldron & Co. (See Snyder, Simon, assignor.)

Standard Chemical Company. (See Vogt, Louis F., assignor.)

Standard Oil Company. (See McLaughlin, William I., assignor.)

Standard Underground Cable Company. (See Atkinson, Ralph W., assignor.)

Stanek, Charles, Orient, Iowa. Drawbar for harrows. 1,563,878; Dec. 1.

Steise, John G., Kitchener, Ontario, Canada. Time switch. 1,563,587; Dec. 1.

Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass-feeding apparatus. 1,563,935; Dec. 1.

Stenzler, Max, Philadelphia, Pa. Cigar and cigarette extinguisher. 1,563,805; Dec. 1.

Stewart, Benjamin F., Birmingham, Ala. Hair curler. 1,563,936; Dec. 1.

Stickley, John W., and A. T. Rossignol, Washington, D. C. Sinker. 1,564,147; Dec. 1.

Stitcher, Charles E., Bay City, Mich. Anchor. 1,563,451; Dec. 1.

Stoltz, Glenn E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,563,452; Dec. 1.

Stover Rubber Co. (See Stover, Thomas B., assignor.)

Stover, Thomas B., Winona, Minn., assignor to Stover Rubber Co. Duo-cord tire construction. 1,563,672; Dec. 1.

Stowe, Fred C. (See Field, W. E., and Stowe.)

Stowe & Woodward Company. (See Adams, H. B., and Woodward, assignors.)

Street, Ernest A. G., assignor to Société Anonyme le Carbone, Levallois-Perret, France. Impermeabilizing substances for absorbing gas. 1,563,673; Dec. 1.

Strehlein, Mary A., Chicago, Ill. Hook and eye. 1,563,538; Dec. 1.

Streun, John A., Sherman, Tex. Cotton cleaner. 1,563,596; Dec. 1.

Stroefer, Theodore J., New Bremen, Ohio. Broomcorn-hurl-shaking machine. 1,563,937; Dec. 1.

Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)

Stromberg Motor Devices Company. (See Whitehorn Homer A., assignor.)

Stuart, Alexander A. S., Bethlehem, Pa. Surgical knife. 1,563,674; Dec. 1.

Stuckert, John F., Philadelphia, Pa. Roofing construction. 1,564,032; Dec. 1.

Sublette, William M., Los Angeles, Calif. Hydraulic power transmission and brake. 1,564,033; Dec. 1.

Sullivan, John M., Culver, Ind. Water-tube boiler. 1,563,938; Dec. 1.

Sumter, Jacob, New York, N. Y. Photographic-developing apparatus. 1,564,148; Dec. 1.

Sutherland, Ernest E., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric heater. 1,563,453; Dec. 1.

Sutherland, Ernest E., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric resistor support. 1,563,454; Dec. 1.

Sutherland, Thomas G., Chicago, Ill. Fountain marking pencil or pen. 1,563,408; Dec. 1.

Swars, Paul G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley-conductor device. 1,563,455; Dec. 1.

Tansley, George H., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Automatic pistol. 1,563,675; Dec. 1.

Tarbox, Gurdon L. (See Spicer, C. W., and Tarbox.)

Taylor, John C., Hermansville, Mich. Testing and truing device. 1,563,939; Dec. 1.

Taylor Smith & Taylor Company, The. (See Beattie, Kenneth P., assignor.)

Taylor, William L., Black Oak, Ark. Saw set. 1,563,539; Dec. 1.

Texas Company. (See Woodbridge, Charles E., assignor.)

Thomas, Cecil V. (See Davis, J. M., and Thomas.)

Thomas, Thomas, Scranton, Pa. Safety device for tanks. 1,564,149; Dec. 1.

Thompson, Albert E., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Pressure cooker. 1,564,150; Dec. 1.

Thompson, Charles E., assignor to The Mine & Smelter Supply Company, Denver, Colo. Self-oiling head motion. 1,564,151; Dec. 1.

Thompson, David W., San Gabriel, Calif. Garage-door catch. 1,563,879; Dec. 1.

Thomson, John M., Nutley, N. J. Sample-display folder. 1,564,152; Dec. 1.

Tichenor, William P. (See Matthews, Edward, assignor.)

Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,563,806; Dec. 1.

Tinnerman, Albert H., Cleveland, Ohio. Stove-oven front frame. 1,564,034; Dec. 1.

Toabe, Kebe. (See Mitchell, T. A., and Toabe.)

Toledo Scale Company. (See Reeves, Orwell C., assignor.)

Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Power-operated door-closure mechanism. 1,563,456; Dec. 1.

Trabold, Frank W., Marion, Ind. Wrench. 1,564,035; Dec. 1.

Trautman, Neal V. (See Smith, De Walt W., assignor.)

Trenn, Frank W., Willoughby, Ohio, assignor to The Economy Engineering Company. Bolt machine. 1,563,940; Dec. 1.

Tuerck, Johan K., Portland, Oreg. Gear-shifting and car-locking mechanism for motor vehicles. 1,563,807; Dec. 1.

Turner, Claude A. P., Minneapolis, Minn. Reenforced-concrete foundation and pier and sinking the same. 1,563,676; Dec. 1.

Tuttle, Ralph P., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,564,153; Dec. 1.

Uhlig, Richard W., Newark, N. J., assignor to Allen Typewriter Manufacturing Company, Allentown, Pa. Typewriting machine. 1,563,597; Dec. 7.

Uhlrich, Alfred C., Horicon, Wis. Measuring instrument. 1,564,154; Dec. 1.

Underwood Typewriter Company. (See Mason, John J., assignor.)

Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)

Union Railway Equipment Company. (See O'Connor, Arthur F., assignor.)

Union Switch & Signal Company. (See Tuttle, Ralph P., assignor.)

Union Switch & Signal Company, The. (See Young, Henry S., assignor.)

United Shoe Machinery Corporation. (See Kenll, F. B., and Minett, assignors.)

United Shoe Machinery Corporation. (See Reed, James H., assignor.)

United Shoe Machinery Corporation. (See Warren, George E., assignor.)

Untermeyer, Robbins & Co. (See Robbins, Meyer L., assignor.)

Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Locker. 1,563,880; Dec. 1.

Vander Bogart, Frank. (See Spengler, George H., assignor.)

Van [illegible] John, Kalamazoo, Mich. Tank or ball valve. 1,563,457; Dec. 1.

Vargo, Mike, Yukon, Pa. Ball rack. 1,564,155; Dec. 1.

Vaughan, Victor G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Percolator heater unit. 1,563,458; Dec. 1.

Verona Tool Works. (See Costello, William J., jr., assignor.)

Vetter, Louis J., assignor to R. F. Simmons Company, Attleboro, Mass. Catch. 1,563,881; Dec. 1.
Vickers Limited. (See Cooch, Herbert, assignor.)
Vivarttas, William O. (See Mattison, C. L., and Vivarttas.)
Vogt, Louis F., Washington, assignor to Standard Chemical Company, Pittsburgh, Pa. Making ferrovanadium. 1,564,156; Dec. 1.
Volech, František, Vrchlabi, Czechoslovakia. Card-saving device for dobby looms. 1,563,540; Dec. 1.
Volland, Homer W., assignor to H. W. Graham, Omaha, Nebr. Dispensing device. 1,563,459; Dec. 1.
Vonnegut Hardware Company. (See Prinzler, Carl J., assignor.)
Wagenhorst, James H., Jackson, Mich. Mandrel for battery jars. 1,563,808; Dec. 1.
Wagenhorst, James H., Jackson, Mich. Battery-jar-forming machine. 1,563,809; Dec. 1.
Wagenhorst, James H., Jackson, Mich. Demountable rim with attached clamping lug. 1,563,810; Dec. 1.
Wagenhorst, James H., Jackson, Mich. Rim for tires and making same. 1,563,811; Dec. 1.
Wagner, William F., Ambridge, Pa. Ignition breaker. 1,563,677; Dec. 1.
Wainwright, Lawrence, Chicago, Ill. Variable grid leak. 1,564,157; Dec. 1.
Waite Grass Carpet Company. (See Waite, Ossian T., assignor.)
Waite, Ossian T., assignor to Waite Grass Carpet Company, Oskosh, Wis. Rug strand. 1,564,036; Dec. 1.
Wakeman, Delbert G., Mooresville, Ind. Building construction. 1,563,598; Dec. 1.
Walker Manufacturing Company. (See Jensen, Gunnar, assignor.)
Walker, Thomas E., assignor to Crittall Casement Window Company, Detroit, Mich. Doorsill and weather strip. 1,563,409; Dec. 1.
Walker, William, Sawtelle, Calif. Smoking pipe. 1,563,460; Dec. 1.
Waller, Alfred E., Bronxville, N. Y., assignor to Ward Leonard Electric Company. Resistance device and welding wire. 1,563,812; Dec. 1.
Walter, Charles E., Cleveland, Ohio. Car roof. 1,564,037; Dec. 1.
Walter, Ira D., assignor of one-fourth to J. Brinkerhoff and one-fourth to C. R. French, Harrisburg, Ark. Metal-felly wheel. 1,563,882; Dec. 1.
Walters, James N., East Orange, N. J., assignor to American Telephone and Telegraph Company. Telephone-exchange system. 1,563,599; Dec. 1.
Walton, John R., Harvey, Ill. Well drill and tool. 1,563,600; Dec. 1.
Ward Leonard Electric Company. (See Waller, Alfred E., assignor.)
Warren, George E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cushion heel. 1,564,158; Dec. 1.
Washington, George, jr., and R. Coller, Brooklyn, N. Y. Closure for fluid containers. 1,563,813; Dec. 1.
Waterbury Button Company, The. (See Kaynor, Warren F., assignor.)
Waters, Frederick, Lyons Falls, N. Y. Ratchet wrench. 1,563,883; Dec. 1.
Watson, Harry G., Fairbanks, Alaska. Flash light. 1,563,601; Dec. 1.
Watson, Henry and J. H., Vernon, British Columbia, Canada. Motor-car starting-switch protector. 1,564,159; Dec. 1.
Watson, John H. (See Watson, Henry and J. H.)
Webster, William A., Galesburg, Ill. Farm gate. 1,563,602; Dec. 1.
Wegert, William H., Racine, Wis. Gear. 1,564,160; Dec. 1.
Weingarten, Alfred, Berlin, Germany. Procedure for sensitizing kinofilms for positive copies by means of solutions of bichromate. 1,564,161; Dec. 1.
Welshan, Louis, Milwaukee, Wis. Antiglare device. 1,563,884; Dec. 1.
Weiss, Abraham, New York, N. Y. Attachment for taximeter vehicles. 1,564,038; Dec. 1.
Weiss, Alfred H., Wilmette, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Ignition and lighting switch. 1,563,411; Dec. 1.
Weiss, John M., New York, N. Y. Incorporation of Rubber in nonaqueous materials. 1,563,410; Dec. 1.
Welker-Hoops Manufacturing Company, The. (See Welker, Oscar B., assignor.)
Welker, Oscar B., assignor to The Welker-Hoops Manufacturing Company, Middletown, Conn. Cap for containers. 1,563,885; Dec. 1.
Welker, Oscar B., assignor to The Welker-Hoops Manufacturing Company, Middletown, Conn. Cap for containers. 1,563,886; Dec. 1.
Welsbach Company. (See Lyon, Howard, assignor.)
Wertzberger, Dallas D., Tulsa, Okla. Well-drilling derrick. 1,563,412; Dec. 1.
West, Maxwell A., Portland, Oreg. Guy-line grip. 1,563,603; Dec. 1.
Western Electric Company. (See Clark, Edgar H., assignor.)
Western Electirc Company. (See Curtis, Austen M., assignor.)
Western Electric Company. (See From, Owen C., assignor.)
Western Electric Company. (See Gibson, Earl S., assignor.)
Western Electric Company. (See Goff, Harold W., assignor.)
Western Electric Company. (See Gorton, William S., assignor.)
Western Electric Company. (See Hinrichsen, Edward E., assignor.)
Western Electric Company. (See Hoge, Joseph F. D., assignor.)
Western Electric Company. (See Murphy, Paul B., assignor.)
Western Clock Company. (See Neureuther, Andrew H., assignor.)
Western Electric Company. (See Newsom, James B., assignor.)
Western Electric Company. (See Nichols, Harold W., assignor.)
Western Electric Company. (See Richard, Charles D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Auel, Carl B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brackett, Quincy A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Breisch, Edgar W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Caputo, James, assignor.)
Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)
Westinghouse Electric & Manufacturing Company. (See Ehrgott, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fox, John C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hibbard, Lloyd J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hoxy, Samuel C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kindermann, Louis F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Legg, Joseph W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See McGee, Patrick A., assignor.)
Westinghouse Electric & Manufacturing Company. (See McNeill, Ralph W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Perkins, Thomas S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rambo, Rawdon E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reagan, Maurice E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Stoltz, Glenn E., assignor.)
Westinghouse Electric & Manufacturing Co. (See Sutherland, Ernest E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Swars, Paul G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vaughan, Victor G., assignor.)
Westinghouse Electric Products Company. (See Forshee, Frank F., assignor.)
Wheeler, C. H., Manufacturing Company. (See Kothny, Gottdank L., assignor.)
Whitcomb, Herbert H., Arlington, Mass., assignor to M. W. Carr & Company, Inc. Beverage mixer. 1,563,413; Dec. 1.
White, S. S., Dental Manufacturing Company, The (See Barton, Samuel R., assignor.)
Whitehorn, Homer A., Port Washington, N. Y., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carburetor. 1,564,039; Dec. 1.
Whitlock, Lawrence E., Le Roy, N. Y. Cleaning powder and disinfectant. 1,563,604; Dec. 1.
Whitlow, John W. (See Blevins, Ira V., assignor.)
Whitney Metal Tool Company. (See Jensen, John, assignor.)
Wichmann, Carl F., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Ferrule-contracting machine. 1,563,941; Dec. 1.
Wierdsma, Paul, Petaluma, Calif. Poultry drinking fountain. 1,563,414; Dec. 1.
Wiese, Otto C., Brooklyn, N. Y. Beam tension device for knitting machines. 1,564,162; Dec. 1.
Wiespetat, Julius, Racine, Wis. Drill press guard. 1,563,887; Dec. 1.
Wilcox, Lewis T. (See Homan, William C., assignor.)
Willard, Carl L., Lynwood, Calif. Concrete-handling machine. 1,564,180; Dec. 1.
Willcox, Frederick H., and J. C. Hayes, Jr., assignors to Freyn, Brassert & Company, Chicago, Ill. Valve for hot-blast stoves. 1,563,605; Dec. 1.
Williams, Charles E., Chicago, Ill. Telephone earpiece or receiver. 1,563,888; Dec. 1.
Williams, Elmer H., Monessen, Pa. Storage battery. 1,564,163; Dec. 1.
Williams, Gordon, Mount Carmel, Conn. Windshield. 1,563,606; Dec. 1.





Williams, Reginald V., Buffalo, N. Y. Dental clasp. 1,564,164; Dec. 1.
Williams, Samuel P., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Cap for an electrical device. Des. 68,942; Dec. 1.
Williams, Zenas H., San Antonio, Tex. Level device. 1,563,678; Dec. 1.
Willson, Thomas H., Seattle, Wash. Auxiliary electric water heater. 1,564,040; Dec. 1.
Wilmont, John F., Detroit, Mich. Vehicle wheel. 1,563,679; Dec. 1.
Wilson, Emma A., executrix. (See Hall, George H.)
Wilson, James F., Shepparton, Victoria, Australia. Carbendlight anti-dazzle device. 1,563,415; Dec. 1.
Wilson, Paul, et al. (See Hall, Randolph F., assignor.)
Wilson, Stephen G., Philadelphia, Pa. Whisk. 1,563,814; Dec. 1.
Windecker, Clifton N., Painesville, Ohio. Grab bucket. 1,564,041; Dec. 1.
Wine, William E., Toledo, Ohio. Railway car. 1,564,165; Dec. 1.
Winn, Charles B., Buffalo, N. Y. Ankle joint for artificial limbs. 1,564,166; Dec. 1.
Wisneske, Anthony F., Detroit, Mich. Combination Tool. 1,563,815; Dec. 1.
Witherow Steel Company. (See Witherow, William P., assignor.)
Witherow, William P., Pittsburgh, assignor to Witherow Steel Company, Neville Island, Pittsburgh, Pa. Wrench blank and making same. 1,564,167; Dec. 1.
Wohlers, Friedrich H. N. (See Koch, H., and Wohlers.)
Wolff, Aaron H., New York, N. Y. Diaphragm pressure regulator for gas heaters. 1,563,607; Dec. 1.
Wolfson, Henry M., New York, N. Y. Variable condenser 1,563,416; Dec. 1.
Wood, Jesse N., Venice, Ill. Air and fuel heater for internal-combustion engines. 1,563,608; Dec. 1.
Woodbridge, Charles E., Brooklyn, assignor to The Texas Company, New York, N. Y. Gasoline-pump casing. Des. 68,943; Dec. 1.
Woodward, Frederick R. (See Adams, R. B., and Woodward.)
Worthington, Charles C., Dunfield, N. J. Golf bag. 1,563,816; Dec. 1.
Wright, Jacob P., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Sheet feeding mechanism. 1,563,417; Dec. 1.
Wright, Richard G., Waterford, Conn. Broom holder 1,563,817; Dec. 1.
Wyant, Lynton D., Tulsa, Okla. Oil-cracking and carbon removing method and apparatus. 1,563,818; Dec. 1
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic-controlling apparatus. 1,563,819; Dec. 1.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,563,820; Dec. 1.
Young, Roy W., Elmore, Minn. Protective device for fences. 1,564,168; Dec. 1.
Zahn, Lawrence J., Astoria, N. Y., assignor to The International Postal Supply Company. Printing mechanism. 1,564,042; Dec. 1.
Zaleski, Frank W., assignor to Reece Shoe Machinery Company, Boston, Mass. Sewing machine. 1,564,169; Dec. 1.
Zastrow, Frederic W., Wilwaukee, Wis., Mopboard protector. 1,563,889; Dec. 1.
Zaun, Henry C., Oakland, Calif. Signal. 1,563,821; Dec. 1.
Zerk, Oscar, now by judicial change of name O. U. Zerk, Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating apparatus. 1,563,609; Dec. 1.
Ziegler, Milton H., Akron, Ohio. Weather strip. 1,563,610; Dec. 1.
Zwirner, Oscar, Hamtramck, assignor of one-half to W. G. Opalka, Detroit, Mich. Football game. 1,563,680; Dec. 1.

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 1ST DAY OF DECEMBER, 1925.

**NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.**

Addressing machine. J. Scheuner. 1,564,025; Dec. 1.
Adjusting devices at a distance, System for. P. Kaminski. 1,563,994; Dec. 1.
Aeroplanes, Gyroscopic inclinometer for. E. A. Sperry. 1,563,934; Dec. 1.
Aeroplanes, Helicopter attachment for. M. Bugar. 1,563,720; Dec. 1.
Air-break switch, High-tension. C. Christensen. 1,563,833; Dec. 1.
Aircraft, Rudder bar for. C. L. Paulus and R. Kauch. 1,563,433; Dec. 1.
Airplane. R. F. Hall. 1,563,979; Dec. 1.
Airplane cockpits, Protection screen for. N. L. Kearney. 1,563,374; Dec. 1.
Airplane-radiator shutter. L. L. Snow. 1,563,450; Dec. 1.
Airplanes, Steam-power plant for. W. Leathers. 1,563,504; Dec. 1.
Alloy and structure, etc., Heat-resisting. N. V. Hybinette. 1,563,575; Dec. 1.
Alloy steels and irons, Manufacture of. B. D. Saklatwalla. 1,564,139; Dec. 1.
Amusement device. R. Sato. 1,564,140; Dec. 1.
Anchor. C. E. Stitcher. 1,563,451; Dec. 1.
Animal trap. E. E. May. 1,563,772; Dec. 1.
Antiglare device. L. Welshan. 1,563,884; Dec. 1.
Antiskid device. F. Sievern. 1,563,666; Dec. 1.
Anvils of saw swages, Stop gauge for setting. E. P. Armstrong. 1,563,462; Dec. 1.
Aperture stopper. J. H. Hazlewood. 1,563,743; Dec. 1.
Archery device. E. F. Maxwell. 1,564,089; Dec. 1.
Armor plate, Manufacture of. J. B. Johnson and S. Daniels. 1,563,420; Dec. 1.
Arsenates, Making. T. A. Mitchell and K. Toabe. 1,564,093; Dec. 1.
Article holder. W. H. Lester. Des. 68,924; Dec. 1.
Ash stand, Smokeless. R. G. Fleming. Des. 68,903; Dec. 1.
Automobile bumper. J. B. Drennan. 1,563,475; Dec. 1.
Automobile engines and power-delivering device, Portable frame structure for. I. A. Dunlap. 1,564,131; Dec. 1.
Automobile engines and the like, Air cleaner for. F. S. Orem. 1,564,178; Dec. 1.
Automobile fender. A. Rontani. 1,564,116; Dec. 1.
Automobile parking machine. J. E. Morton. 1,564,100; Dec. 1.
Automobile radiators, Manufacturing. W. Korb. 1,563,502; Dec. 1.
Automobile signal. M. P. Clough and N. H. Noyes. 1,564,123; Dec. 1.
Automobiles, Brake mechanism for. J. H. Richard. 1,563,588; Dec. 1.
Automobiles, Combination brake and jack mechanism for. E. and C. Ferry. 1,563,842; Dec. 1.
Automotive vehicle. T. W. Meiklejohn. 1,564,090; Dec. 1.
Backstrap for draft animals. J. E. Smith. 1,563,801; Dec. 1.
Baffle and constructing the same. I. Harter. 1,563,567; Dec. 1.
Baffle construction. G. H. Dickson. 1,563,969; Dec. 1.
Bag: *See*—
  Golf bag.
Bag holder. T. Nakamura. 1,564,101; Dec. 1.
Ball: *See*—
  Return ball.
Ball rack. M. Vargo. 1,564,155; Dec. 1.
Balloon, Jumping. W. E. Huffman, C. F. Adams, and M. Q. Corbett. 1,563,571; Dec. 1.
Banks, Safeguard for. J. S. Plummer. 1,563,921; Dec. 1.
Bar: *See*—
  Bus bar. Switch-throwing bar.
Barrel-making machines, Heading holder for. E. F. Beugler. 1,564,043; Dec. 1.
Basket. C. H. Dreher. 1,563,730; Dec. 1.
Bathtub, Self-cleaning. L. R. Paul. 1,563,783; Dec. 1.
Battery: *See*—
  Storage battery.
Battery compartment, Storage-. S. C. Ford and W. A. Shuler. 1,564,173; Dec. 1.
Battery-jar-forming machine. J. H. Wagenhorst. 1,563,809; Dec. 1.
Battery jars, Mandrel for. J. H. Wagenhorst. 1,563,808; Dec. 1.
Battery plates, Recovery and utilization of materials of old secondary. J. O. Luthy. 1,563,506; Dec. 1.
Bearing. R. L. Seabury. 1,563,663; Dec. 1.
Bearing box, Self-aligning Pitman. V. L. Forsyth. Re16,219; Dec. 1.
Bearing for rotary printing couples. F. Herb. 1,563,487; Dec. 1.
Bearing-grinding machine. R. Johnson. 1,563,712; Dec. 1.
Bed, Child's. E. Melton. 1,563,428; Dec. 1.
Belt fasteners and the like, Machine for setting or applying. J. K. Diamond. 1,563,345; Dec 1.
Beverage mixer. H. H. Whitcomb. 1,563,413; Dec. 1.
Billiard cue G. K. Canias. 1,563,467; Dec. 1.
Blasting-powder composition. C. D. Pratt. 1,563,924–6; Dec. 1.
Block: *See*—
  Crown block.
Board: *See*—
  Ironing board.
Boats, Propelling mechanism for. H. M. Pohler. 1,563,922; Dec. 1.
Boiler: *See*—
  Ham boiler. Water-tube boiler.
Boiler baffles, Making. G. H. Dickson. 1,563,968; Dec. 1.
Boiler installation, Steam-. T. Larrey and L. Godard. 1,563,503; Dec. 1.
Boilers, Cleaning system for. S. J. Lupton. 1,563,909; Dec. 1.
Bolt machine. F. W. Trenn. 1,563,940; Dec. 1.
Bolts and rivets, Method of and apparatus for making nutless. A. Christianson. 1,563,965; Dec. 1.
Book clamp. J. Rauhofer. 1,564,113; Dec. 1.
Bookstand and shelving, Adjustable knockdown. F. J. Scherer. 1,563,799; Dec. 1.
Boot and shoe. P. G. Knoll. 1,563,498; Dec. 1.
Bottle cover, Milk-. H. M. Pierce. 1,564,019; Dec. 1.
Box: *See*—
  Folding box. Paper folding box.
  Mail box. Suction box.
Box insert. A. W. Huyett. 1,563,369; Dec. 1.
Bracket: *See*—
  Flare bracket.
Braid, Forming. G. D. Goodspeed. 1,563,564; Dec. 1.
Brake: *See*—
  Fluid brake. Friction brake.
Brake mechanism and magnet system therefor. W. S. Atkinson. 1,563,544; Dec. 1.
Brake shoes, Shell for composition. M. R. De France. 1,563,728; Dec. 1.
Bran food, Manufacture of. J. L. Kellogg. 1,564,181; Dec. 1.
Brickmaking machine. B. F. Hayden. 1,564,067; Dec. 1.
Broiler, Sausage. O. Fest. 1,563,973; Dec. 1.
Broom-corn-hurl-shaking machine. T. J. Stroefer. 1,563,937; Dec. 1.
Broom holder. R. G. Wright. 1,563,817; Dec. 1.
Brush. N. W. Flooster. 1,564,107; Dec. 1.
Brush holder, Pneumatic. R. E. Rambo. 1,563,397; Dec. 1.
Brushlike articles, Manufacturing. J. A. Hultqvist. 1,563,367; Dec. 1.
Bucket, Grab. C. N. Windecker. 1,564,041; Dec. 1.
Buckle. W. E. Hatheway. 1,563,360; Dec. 1.
Building construction. D. G. Wakeman. 1,563,598; Dec. 1.
Building slab. C. W. Schall. 1,563,593; Dec. 1.
Burner: *See*—
  Oil-stove burner.
Burner. R. L. Hannah. 1,564,064; Dec. 1.
Bus bar, Polyphase. E. H. Jacobs. 1,563,859; Dec. 1.
Button. W. F. Kaynor. Des. 68,920; Dec. 1.
Button, Separable. F. E. Forsell. 1,563,974; Dec. 1.
Button, Separable cuff. W. E. Field and F. C. Stowe. 1,563,350–1; Dec. 1.
Cabinet, Dispensing. A. G. Krueger. 1,563,867; Dec. 1.
Cableless elevator. J. H. Rickard. 1,563,792; Dec. 1.
Calculating machine. C. Luttropp. 1,563,763; Dec. 1.
Calorimeter. G. E. Scholes. 1,563,662; Dec. 1.
Canned foods, Sterilizing. W. B. Fenn. 1,563,971; Dec. 1.
Cap, Combination. D. L. Mantle. 1,563,507; Dec. 1.
Car and the like, Hopper. A. Campbell. 1,563,553; Dec. 1.





Car, Convertible stock. R. C. Chisam. 1,563,470; Dec. 1.
Car coupler. L. W. Ramage. 1,564,111; Dec. 1.
Car, Dump. W. M. Brown. 1,563,880; Dec. 1.
Car heater, Motor. E. Ryder. 1,563,402; Dec. 1.
Car, Railway. W. E. Wine. 1,564,165; Dec. 1.
Car roof. C. E. Walter. 1,564,037; Dec. 1.
Car starting-switch protector, Motor-. H. and J. H. Watson. 1,564,159; Dec. 1.
Cars, End construction for. J. W. Coleman. 1,563,835; Dec. 1.
Cars, End stiffener for. J. W. Coleman. 1,563,834; Dec. 1.
Carbon and other coated papers, Making. A. Haigh and H. R. Hart. 1,563,978; Dec. 1.
Carboy-top guard. G. W. Scobell. 1,563,445; Dec. 1.
Carburetor. M. G. Chandler. 1,563,339; Dec. 1.
Carburetor. J. Good. 1,563,482; Dec. 1.
Carburetor. J. C. Hansen-Ellehammer. 1,563,705; Dec. 1.
Carburetor. H. A. Whitehorn. 1,564,039; Dec. 1.
Carpet-manufacturing machine. M. Carranza. 1,563,338; Dec. 1.
Carrier: *See*—
  Collapsible carrier.
Cascade machine. F. Creedy. 1,563,474; Dec. 1.
Case: *See*—
  Key case. Vanity case.
Casket handle. E. R. Sargent. 1,563,873; Dec. 1.
Casserole or similar article. K. P. Beattie. Des. 68,891; Dec. 1.
Casting iron and other difficultly-fusible metals under pressure, Device for. E. Petersson. 1,563,523; Dec. 1.
Casting rolls, Alignment jig for use in. T. H. Oppenheim and B. Selhorst. 1,564,011; Dec. 1.
Catalytic material, Preparing. M. Raney. 1,563,587; Dec. 1.
Catch. L. J. Vetter. 1,563,881; Dec. 1.
Catch basin and trap, Combined. W. J. Femal. 1,563,695; Dec. 1.
Catenary system. P. A. McGee. 1,563,886; Dec. 1.
Cattle guard. J. Gibson. 1,563,858; Dec. 1.
Cement, Manufacturing. C. Leonardt. 1,563,755; Dec. 1.
Cementing, Oil-well. J. M. Owen. 1,563,520; Dec. 1.
Centrifugal machine. W. C. Coleman. 1,563,894; Dec. 1.
Centrifugal separator. H. P. Hoyle. 1,563,491; Dec. 1.
Chains, Automatic machine for making. A. L. Johnston, jr. 1,563,993; Dec. 1.
Chair: *See*—
  Hairdresser's and barber's chair.
Chaplet. S. H. Gibson. 1,563,480; Dec. 1.
Chart, Adjustable. R. F. Phelps. 1,563,786; Dec. 1.
Chimney protector. S. A. Holland. 1,563,706; Dec. 1.
Chlorination apparatus. S. Brown. 1,564,044; Dec. 1.
Chocolate, Treatment of. J. B. Barnitt. 1,563,682; Dec. 1.
Cigar and cigarette extinguisher. M. Stenzler. 1,563,805; Dec. 1.
Cigar-bunch-charge former. W. B. Bronander. 1,563,333; Dec. 1.
Cigar bunching. B. Liberman. 1,563,756; Dec. 1.
Cigar lighter. J. M. Jackson. 1,564,072; Dec. 1.
Cigar lighter and stand. H. J. Grieshaber. 1,563,845; Dec. 1.
Cigarette-machine automatic feed. W. B. Bronander. 1,563,334; Dec. 1.
Cinematographic films, Printing color. P. D. Brewster. 1,563,959; Dec. 1.
Circuit breaker, Centrifugally-operated. G. W. Meyers. 1,563,778; Dec. 1.
Circuit interrupter. J. F. D. Hoge. 1,563,488; Dec. 1.
Circuit interrupter, Automatic reclosing. M. E. Reagan. 1,563,398; Dec. 1.
Clamp: *See*—
  Book clamp.
Clamp. J. A. Johnston and R. E. Molt. 1,563,903; Dec. 1.
Clasp: *See*—
  Dental clasp.
Cleaner: *See*—
  Cotton cleaner.
Cleaning powder and disinfectant. L. E. Whitlock. 1,563,604; Dec. 1.
Closet: *See*—
  Ventilating closet. Water-closet.
Closure-plate-securing means. M. V. Kelly. 1,563,865; Dec. 1.
Cloth-expanding roller. T. Greis. 1,563,704; Dec. 1.
Clutch and latch mechanism, Combined. G. Haag. 1,563,622; Dec. 1.
Clutch mechanism for double-drum hoists. C. C. Hansen. 1,563,742; Dec. 1.
Clutch speed-changing and reversing mechanism. H. A. Good. 1,563,741; Dec. 1.
Clutch structure, Disk-. E. R. Clayton and A. H. Kirksey. 1,563,892; Dec. 1.
Coal elevating and conveying apparatus. R. MacEachen. 1,563,387; Dec. 1.
Coaster or toboggan, Water. P. Held. 1,563,855; Dec. 1.
Coat collar and producing and applying the same. I. I. Frankel. 1,564,055; Dec. 1.
Coat construction. H. S. W., and J. Haspel. 1,564,066; Dec. 1.
Coat-hanger attachment. C. A. Fetters. 1,563,735; Dec. 1.
Coat, Sweater. J. C. W. Rahn. 1,563,927; Dec. 1.
Coatings to porous bases, Applying metallic. K. Ripper. 1,563,793; Dec. 1.
Coking process. F. W. Sperr, jr. 1,563,595; Dec. 1.
Collapsible carrier. C. and O. A. Flagstad. 1,563,897; Dec. 1.
Comb. O. W. Johnson. 1,563,711; Dec. 1.
Conch for the manufacture of chocolate. F. G. Fryer. 1,563,898–9; Dec. 1.
Concrete form. M. D. May. 1,563,581; Dec. 1.
Concrete foundation and pier and sinking the same, Reenforced-. C. A. P. Turner. 1,563,676; Dec. 1.
Concrete-handling machine. C. L. Willard. 1,564,180; Dec. 1.
Concrete-molding apparatus. R. S. Ellis. 1,563,615; Dec. 1.
Concrete walls and erecting the same, Apparatus for constructing thin. J. M. Sargeant. 1,563,798; Dec. 1.
Condensation-preventing device. B. C. Frederickson. 1,563,701; Dec. 1.
Condenser. R. N. Ehrhart. 1,564,052; Dec. 1.
Condenser. E. G. Helander. 1,563,981; Dec. 1.
Condenser. E. W. Isom and J. E. Bell. 1,563,492; Dec. 1.
Condenser. J. F. Lindberg. 1,563,758; Dec. 1.
Condenser, Electrical. M. Latour. 1,563,754; Dec. 1.
Condenser, Electrostatic. P. G. Jacobson. 1,563,709; Dec. 1.
Condenser for power-factor correction. R. E. Marbury. 1,563,426; Dec. 1.
Condenser, Multiple variable. S. Cohen. 1,563,893; Dec. 1.
Condenser, Spiral reflux. F. J. Brown. 1,563,718; Dec. 1.
Condenser, Surface. P. A. Bancel. 1,563,951; Dec. 1.
Condenser, Variable. A. Russell. 1,563,440; Dec. 1.
Condenser, Variable. H. M. Wolfson. 1,563,416; Dec. 1.
Cone holder. F. J. Schnorr. 1,563,443; Dec. 1.
Contact means, Adjustable. B. F. Lollis. 1,563,578; Dec. 1.
Containers, Cap for. O. B. Welker. 1,563,885–6; Dec. 1.
Containers, Closure for. C. M. Morton. 1,564,099; Dec. 1.
Control means. V. M. Balzer and J. Ballou. 1,563,950; Dec. 1.
Control, System. J. Caputo. 1,563,837; Dec. 1.
Converting motion. H. B. Lowden. 1,563,761; Dec. 1.
Conveyer apparatus for grain and like material. G. Bernert. 1,563,826; Dec. 1.
Core, Collapsible. M. D. May. 1,563,580; Dec. 1.
Core drill. R. R. Crum. 1,563,837; Dec. 1.
Core for molding, Flexible. H. S. Satterlee. 1,563,529; Dec. 1.
Coring and trimming mechanism. W. B. Fenn. 1,563,972; Dec. 1.
Cornice and the like, Window. W. Goodrow. 1,563,619; Dec. 1.
Cotter-pin puller. H. D. Dirks. 1,563,840; Dec. 1.
Cotton cleaner. J. A. Streun. 1,563,596; Dec. 1.
Counter partition, Lunch-. C. O. Larmore. 1,563,881; Dec. 1.
Coupling: *See*—
  Flexible coupling.
Couplings, Making pipe. J. H. Sennett. 1,563,664; Dec. 1.
Crank element, Extensible. S. Snyder. 1,563,669; Dec. 1.
Crate, Collapsible. C. M. Franklin. 1,563,856; Dec. 1.
Creamer. K. P. Beattie. Des. 68,890; Dec. 1.
Crown block. E. W. Goeser. 1,563,739; Dec. 1.
Crupper. D. R. Ellis. 1,563,841; Dec. 1.
Cyrolite free from iron, from aluminum-salt solutions containing iron, Producing artificial. H. Specketer. 1,563,536; Dec. 1.
Cuff link. A. J. Kennedy. 1,563,997–8; Dec. 1.
Cultivator fender. E. F. Fones. 1,563,617; Dec. 1.
Currents, Optical means for rectifying alternating. W. W. Coblentz. 1,563,557; Dec. 1.
Curtain fastener. C. W. Morris. 1,564,097; Dec. 1.
Cylinders, Chain drive for drying. E. E. Berry. 1,563,824; Dec. 1.
Dental clasp. R. V. Williams. 1,564,164; Dec. 1.
Derrick, Well-drilling. D. D. Wertzberger. 1,563,412; Dec. 1.
Diagnostic instrument. H. Clement. 1,563,471; Dec. 1.
Die casting, Apparatus for. S. C. Hoey. 1,563,864; Dec. 1.
Direction indicator. F. Ayler. 1,564,118; Dec. 1.
Dishwashing machine. C. F. Smith. 1,564,028; Dec. 1.
Dispensing device. H. W. Volland. 1,563,459; Dec. 1.
Display casing. M. Boxer and W. C. Nicholson. Des. 68,899; Dec. 1.
Display device. L. R. Hales. 1,563,485; Dec. 1.
Display folder, Sample-. J. H. Thomson. 1,564,152; Dec. 1.
Display rack. E. S. Chamberlin. 1,563,469; Dec. 1.
Display rack. T. J. Miles. 1,563,429; Dec. 1.
Display rack, Garment-. R. J. Riordan and J. P. Hanley. 1,563,859; Dec. 1.
Display stand. J. H. Chaney. 1,563,687; Dec. 1.
Ditch-digging machine. W. T. Griffin. 1,563,565; Dec. 1.
Door catch, Garage-. D. W. Thompson. 1,563,879; Dec. 1.
Door-closure mechanism, Power-operated. C. C. Tompkinson. 1,563,456; Dec. 1.
Door holder. C. J. Prinsler. 1,564,183; Dec. 1.
Door holder. W. Roberts. 1,563,795; Dec. 1.

Door-holding device. E. Olson. 1,564,104; Dec. 1.
Door-jamb protector. J. P. Henderson. 1,563,982; Dec. 1.
Door knob and lock, Combined. J. Sonnenberg. 1,564,031; Dec. 1.
Doorlock. O. W. Hooppaw and C. A. Rinehart. 1,563,489; Dec. 1.
Doorlock. J. O. Soemer. 1,564,030; Dec. 1.
Doorlocks, Strike for. C. J. Prinzler. 1,564,184; Dec. 1.
Doorsill and weather strip. T. E. Walker. 1,563,409; Dec. 1.
Doors, Shock-absorbing device for. B. F. Smith. 1,563,876; Dec. 1.
Dough and making the same. L. N. Earl. 1,563,694; Dec. 1.
Doughnut former. R. D. King. 1,563,376; Dec. 1.
Draft equalizer. E. R. Spellman. 1,563,804; Dec. 1.
Draft regulator. D. J. Scanlan. 1,564,023; Dec. 1.
Drill: *See*—
Core drill. Penumatic drill.
Drill-press guard. J. Wiespetat. 1,563,887. Dec. 1.
Drinking fountain. W. Roberts. 1,563,794; Dec. 1.
Drinking fountain, Poultry. P. Wierdsma. 1,563,414; Dec. 1.
Dry cell. W. F. Hendry. 1,563,628; Dec. 1.
Drying and heating apparatus. H. L. Byrd. 1,563,963; Dec. 1.
Drying apparatus. J. L. Buckley. 1,563,961; Dec. 1.
Drying apparatus, Rotary. S. S. Gettings and W. L. Bodman. 1,564,058; Dec. 1.
Dyestuffs and making the same, Sulfonated oxy-dianthraquinonylamine. W. Mieg and H. Raeder. 1,564,091; Dec. 1.
Eggs, Desiccating. C. E. Barnhill. 1,563,953; Dec. 1.
Ejector. G. L. Kothny. 1,563,752; Dec. 1.
Electric attachment plug. R. T. Hughes. 1,563,989; Dec. 1.
Electric-circuit breaker. P. Carpentier. 1,563,688; Dec. 1.
Electric cooky baker. F. F. Forshee. 1,563,353; Dec. 1.
Electric heater, J. Gasser. 1,563,562; Dec. 1.
Electric heater. E. E. Sutherland. 1,563,453; Dec. 1.
Electric iron. A. Ruelland. 1,563,591; Dec. 1.
Electric motor. V. G. Apple. 1,563,945; Dec. 1.
Electric resistor support. E. E. Sutherland. 1,563,454; Dec. 1.
Electric switch. R. R. Haugh. 1,563,854; Dec. 1.
Electric switch. B. C. Perkins. 1,564,016; Dec. 1.
Electric-switch-operating members, Luminous attachment for. B. C. Perkins. 1,564,015; Dec. 1.
Electric switches, Attachment for. G. A. Burnham. 1,563,831; Dec. 1.
Electric switches, Locking device for. R. M. Robinson. 1,564,028; Dec. 1.
Electrical apparatus and manufacturing the same. C. Ducas. 1,563,731; Dec. 1.
Electrical device, Cap for. S. P. Williams. Des. 68,942; Dec. 1.
Electrical protective device. F. E. Ricketts. 1,563,399; Dec. 1.
Electrical switch. C. R. Krone. 1,563,753; Dec. 1.
Electrical switching mechanism. E. H. Clark. 1,563,555; Dec. 1.
Electrically-heated device. K. Ehrgott. 1,563,348; Dec. 1.
Electricity, Apparatus for measuring. H. Cooch. 1,564,046–7; Dec. 1.
Electricity, Measuring. H. Cooch. 1,564,045; Dec. 1.
Electrodes, Machine for coating arc-welding. C. H. Hollup. 1,563,365; Dec. 1.
Elevator: *See*—
Cableless elevator.
Elevator, safety device. M. M. Robb. 1,563,400; Dec. 1.
Elevators, Safety attachment to grain. A. Lundman. 1,564,080; Dec. 1.
Engine: *See*—
Gas engine. Internal-combustion engine.
Gasoline engine.
Engine cylinders, Apparatus for casting. A. T. Brown. 1,563,717; Dec. 1.
Engine-starting mechanism. E. R. Huntley. 1,563,992; Dec. 1.
Engines, Air and fuel heater for internal-combustion. J. N. Wood. 1,563,608; Dec. 1.
Engines, Air cooling. A. H. Fox. 1,563,478; Dec. 1.
Engines, Combined vacuum-tube attachment and air-inlet device for gas. B. F. Lare. 1,564,076; Dec. 1.
Engines, Fuel-injecting device for internal-combustion. O. Alt and C. Helsig. 1,563,315; Dec. 1.
Engines, Piston for internal-combustion. J. Pondelick. 1,563,923; Dec. 1.
Engines, Starting device for internal-combustion. T. H. Dennis. 1,563,839; Dec. 1.
Engines, Valve mechanism of internal-combustion. C. B. Redrup. 1,563,789; Dec. 1.
Engraving machines, Attachment for mold. A. L. Breitenstein. 1,563,465; Dec. 1.
Ensilage protector. A. McMillan. 1,564,085; Dec. 1.
Eyeshade. M. Cohen. 1,563,611; Dec. 1.
Facial device. S. MacDonald. 1,563,767; Dec. 1.
Farm gate. W. A. Webster. 1,563,602; Dec. 1.
Faucet. J. C. Ross. 1,563,589; Dec. 1.
Faucet, Combined hot and cold water. E. L. Corbett. 1,563,344; Dec. 1.
Feed receptacle, Liquid-. G. E. Petersen. 1,563,396; Dec. 1.
Felly wheel, Metal. I. D. Walter. 1,563,882; Dec. 1.
Fences, Protective device for. R. W. Young. 1,564,168; Dec. 1.
Fender: *See*—
Automobile fender. Cultivator fender.
Ferrovanadium, Making. L. F. Vogt. 1,564,156; Dec. 1.
Ferrule-contracting machine. C. F. Wichmann. 1,563,941; Dec. 1.
Films, Holder for photographic. D. Ingve. 1,563,858; Dec. 1.
Filter. D. C. Kerckhoff and R. Copp. 1,563,904; Dec. 1.
Firearm. J. D. Pedersen. 1,564,014; Dec. 1.
Firearm, Automatic. J. T. Kewish. 1,563,751; Dec. 1.
Firecracker, Safety. K. Kohn. 1,563,379; Dec. 1.
Fireplace. R. G. Mackay. Des. 68,926–8; Dec. 1.
Fishing tool for underreamer bits. W. I. McLaughlin. 1,563,641; Dec. 1.
Flare bracket. H. O. Russell and C. L. Paulus. 1,563,439; Dec. 1.
Flash light. H. G. Watson. 1,563,601; Dec. 1.
Flexible coupling. C. W. Spicer and G. L. Tarbox. 1,564,186; Dec. 1.
Floor polisher. F. C. Brown. 1,562,829; Dec 1.
Fluid brake. J. Gasser. 1,563,561; Dec. 1.
Fluid containers, Closure for. G. Washington, jr., and R. Coller. 1,563,813; Dec. 1.
Fluid-tight joint. R. Copp. 1,563,836; Dec. 1.
Flumes, troughs, launders, and the like, Corner construction for. H. W. Gilchrist and J. J. Reid. 1,563,481; Dec. 1.
Fluoroscopic screen. I. S. Hirsch. 1,563,856; Dec. 1.
Flush box, Siphon. G. Azone. 1,563,948; Dec. 1.
Flying machine. F. Harth. 1,564,065; Dec. 1.
Fractures, Stretching apparatus for treating arm and leg. O. Patzschke. 1,564,106; Dec. 1.
Frame: *See*—
Lamp-shade frame. Oven front frame.
Frangible containers and the like, Mounting for. J. C. Daley. 1,563,838; Dec. 1.
Friction brake. W. H. Lewis. 1,563,636; Dec. 1.
Folding box. S. Koff. 1,563,907; Dec. 1.
Folding table. T. H. Colladay. 1,563,473; Dec. 1.
Food-treating apparatus. F. R. Miller. 1,563,389; Dec. 1.
Foods, Preparation of concentrated unalterable. E. Monti. 1,563,515; Dec. 1.
Football game. O. Zwirner. 1,563,680; Dec. 1.
Foot boring machine for dentists with driving motor. P. Franke. 1,563,699; Dec. 1.
Fountain: *See*—
Drinking fountain.
Fuel-saving device. F. S. Miller. 1,564,176; Dec. 1.
Furnace: *See*—
Open-hearth furnace.
Furnace charging. D. Baker. 1,563,949; Dec. 1.
Furnace control, Electric-. E. V. Schaal. 1,563,441; Dec. 1.
Furnace stacks, Distributor drive for blast-. A. G. McKee. 1,563,424; Dec. 1.
Furnaces, Pressure-controlled regulating means for. C. L. Howse. 1,563,988; Dec. 1.
Fuse. A. Adelman. 1,563,418; Dec. 1.
Gaiter. R. A. Auberge. 1,564,117; Dec. 1.
Galvanic cell of the copper-oxide type. G. W. Heise. 1,563,980; Dec. 1.
Game. D. Fisher. 1,564,054; Dec. 1.
Game. D. H. Krause. 1,563,908; Dec. 1.
Game apparatus, Moving-pocket. M. Higuchi. 1,563,983; Dec. 1.
Game card. G. P. Garin. Des. 68,904; Dec. 1.
Garment hanger. W. Reid. 1,563,928; Dec. 1.
Garment hanger. B. A. Rubin. 1,563,660; Dec. 1.
Garment hangers, Machine for forming. B. J. Ryan. 1,563,797; Dec. 1.
Gas engine. E. V. Myers. 1,564,009; Dec. 1.
Gas engine, Two-cycle. W. E. Ewart. 1,563,733; Dec 1.
Gas heater. B. C. Bartlebaugh. 1,563,890; Dec. 1.
Gas heaters, Diaphragm pressure regulator for. A. H. Wolff. 1,563,607; Dec. 1.
Gasket for jar covers. C. W. Bisland. 1,563,464; Dec. 1.
Gasoline engine. M. J. Goldberg. 1,564,059; Dec. 1.
Gasoline, System for dispensing. C. Schock. 1,563,444; Dec. 1.
Gate: *See*—
Farm gate. Railway-crossing gate.
Gauge: *See*—
Stop gauge.
Gauge. G. H. Hall. 1,563,847; Dec. 1.
Gear. W. H. Wegert. 1,564,160; Dec. 1.
Gearing. W. H. George. 1,564,057; Dec. 1.
Gearing, Change-speed. C. H. Caton. 1,563,723; Dec. 1.
Gearing, Speed-change. F. H. Sleeper. 1,563,594; Dec. 1.
Gem-set ring. M. L. Robbins. Des. 68,934; Dec. 1.
Gem-set ring. M. L. Robbins. Des. 68,936; Dec. 1.
Gem-set ring. M. L. Robbins. Des. 68,939; Dec. 1.
Generator: *See*—
Oscillation generator.
Gib. R. V. Northey. 1,563,518; Dec. 1.
Glass: *See*—
Level glass.





Glass-feeding apparatus. T. Stenhouse. 1,563,935; Dec. 1.
Glass-forming machine. L. D. Soubier. 1,563,933; Dec. 1.
Glass plate or articles and producing same, Refractory. T. A. O'Shaughnessy. 1,563,584; Dec. 1.
Gold from solutions, Process and apparatus for precipitating. W. H. Bates. 1,563,957; Dec. 1.
Golf bag. C. C. Worthington. 1,563,816; Dec. 1.
Golf practicing device. R. A. Lychou. 1,564,081; Dec. 1.
Grain-drill share. W. Lyons. 1,564,083; Dec. 1.
Grappling device. H. V. Lough. 1,563,505; Dec. 1.
Grasshopper exterminator. V. S. Smith and W. E. Clarke. 1,563,668. Dec. 1.
Grid leak, Variable. L. Wainwright. 1,564,157; Dec. 1.
Grinding machine. R. D. Gardner. 1,563,901; Dec. 1.
Grinding machine. E. B. and R. D. Gardner and J. Nielsen. 1,563,900; Dec. 1.
Grips and the like, Bail construction for. J. P. Ratigan. 1,563,657; Dec. 1.
Gun mounts, Operating trigger for double-. H. O Russell and C. L. Paulus. 1,563,438; Dec. 1
Gun tubes, Locking device for. C. H. Froelich. 1,563,737; Dec. 1.
Guy-line grip. M. A. West. 1,563,603; Dec. 1.
Hair clipper. S. J. Jembrzycki. 1,563,861; Dec. 1.
Hair clipper. D. S. Sekulitch. 1,564,143; Dec. 1.
Hair curler. D. L. Short. 1,564,027; Dec. 1.
Hair curler. B. F. Stewart. 1,563,936; Dec. 1.
Hairdresser's and barber's chair. W. F. Koken. 1,564,000; Dec. 1.
Hair net. J. Lorbiecki. 1,564,079; Dec. 1.
Hair protector. C. Drucks. 1,563,693; Dec. 1.
Ham boiler. F. E. Hodderson-Balling. 1,563,985–6; Dec. 1.
Hand-bag frame. W. T. Goldsmith. Des. 68,906–7; Dec. 1.
Handle: *See*—
Casket handle. Toilet-flushing handle.
Handles, Powder receptacle for. C. O. Fisher. 1,563,352; Dec. 1.
Hanger: *See*—
Garment hanger.
Hanger support. R. C. Legat. 1,564,004; Dec. 1.
Harrows, Drawbar for. C. Stanek. 1,563,878; Dec. 1.
Hat holder, Collapsible. H. F. McDonald. 1,563,511; Dec. 1.
Hat leather or sweatband, Decorated. A. Marlor. 1,563,910; Dec. 1.
Headlamp-control device. C. C. Moore. 1,563,430; Dec. 1.
Headlight, antidazzle device, Car-. J. F. Wilson. 1,563,415; Dec. 1.
Headlight, Automobile. M. P. E. Radloff. 1,563,656; Dec. 1.
Headlight, Automobile dirigible. S. G. Mewborn. 1,563,911; Dec. 1.
Headlight-operating device. O. A. Meyer. 1,563,774; Dec. 1.
Heater: *See*—
Car heater. Intake-manifold heater.
Electric heater. Water heater.
Gas heater.
Heater control. R. H. Shadrick. 1,563,532; Dec. 1.
Heater for liquids. R. N. Ehrhart. 1,564,051; Dec. 1.
Heel, Cushion. G. E. Warren. 1,564,158; Dec. 1.
Heel, Detachable shoe. C. Hobert. 1,563,984; Dec. 1.
Heel tip, Rubber-. A. M. Eichorn. 1,563,970; Dec. 1.
Hinge. A. G. Larson. 1,563,869; Dec. 1.
Hinge, Windshield. H. W. Cooley. 1,563,343; Dec. 1.
Hockey stick, cricket bat, and like sporting article. G. F. Cordwell. 1,564,125; Dec. 1.
Hoist, Dumping. N. L. Hely. 1,563,486; Dec. 1.
Hoisting hook. J. Clark. 1,563,341; Dec. 1.
Hoisting machine. L. Fraser. 1,564,133; Dec. 1.
Hoisting mast, Automatically-extensible. P. H. Mallinckrodt. 1,563,768; Dec. 1.
Hook: *See*—
Hoisting hook.
Hook and eye. M. A. Strehlein. 1,563,538; Dec. 1.
Hosiery and supporter therefor. I. Sonn. 1,563,877; Dec. 1.
Hot-water systems, Safety device for. G. A. Robertshaw. 1,564,115; Dec. 1.
Hydrochloric-acid gas, Absorbing. J. E. Egleson. 1,563,732; Dec. 1.
Ice-freezing plants, Air system for. G. B. Bright. 1,563,331; Dec. 1.
Identifying tag. H. B. Jones. 1,563,371; Dec. 1.
Ignition and lighting switch. A. H. Weiss. 1,563,411; Dec. 1.
Ignition breaker. W. F. Wagner. 1,563,677; Dec. 1.
Impermeabilizing substances for absorbing gas. E. A. G. Street. 1,563,673; Dec. 1.
Incubator. A. F. Pearson. 1,563,646; Dec. 1.
Incubator. E. Pemberton. 1,563,647; Dec. 1.
Indicator: *See*—
Direction indicator. Street or station indicator.
Indicator. D. W. Smith. 1,563,534; Dec. 1.
Intake-manifold heater. W. A. Frederick. 1,563,559; Dec. 1.
Internal-combustion engine. A. H. Fox. 1,563,477; Dec. 1.
Internal-combustion engine. A. E. Osborn. 1,563,392; Dec. 1.
Iron: *See*—
Electric iron.
Ironing board. J. N. Faris. 1,563,476; Dec. 1.
Ironing board. A. Sondack. 1,563,535; Dec. 1.
Ironing board, Folding. J. Cunningham. 1,563,726; Dec. 1.
Isochronizing and synchronizing system. A. M. Curtis. 1,563,727; Dec. 1.
Jack: *See*—
Lifting jack. Vehicle jack.
Pump jack.
Joint: *See*—
Fluid-tight joint. Universal joint.
Pipe joint.
Kettle, Inhalation. E. M. Anscombe. 1,563,310; Dec. 1.
Key case. G. E. Prentice. 1,564,021; Dec. 1.
Kinoflms for positive copies by means of solutions of bichromate, Procedure for sensitizing. A. Weingarten. 1,564,161; Dec. 1.
Knife, Surgical. A. A. S. Stuart. 1,563,674; Dec. 1.
Knitting machines, Beam tension device for. O. C. Wiese. 1,564,168; Dec. 1.
Knitting machines, Cam box for. J. P. Primm. 1,563,788; Dec. 1.
Ladder shoe, Adjustable. W. B. Frankenstein. 1,563,700; Dec. 1.
Lamp and lamp shade, Combination. A. Scherer. 1,564,024; Dec. 1.
Lamp casting, Automobile signal-. W. Berk. Des. 68,896. Dec. 1.
Lamp, Combination motor-vehicle. J. F. Farmer. 1,564,053; Dec. 1.
Lamp holder for miners' caps. L. Scherz. 1,563,931; Dec. 1.
Lamp, Incandescent. E. Kiriak. 1,563,999; Dec. 1.
Lamp-locating device. D. J. McCarthy. 1,563,510; Dec. 1.
Lamp-shade frame. K. C. Berger. 1,564,170; Dec. 1.
Lamps, Locating. D. J. McCarthy. 1,563,509; Dec. 1.
Landing gear, Retractable. G. C. Loening. 1,563,384; Dec. 1.
Lasting machine. A. F. Carlson. 1,563,964; Dec. 1.
Leather. C. Bosca. Des. 68,897; Dec. 1.
Legging. M. and M. Friedman. 1,564,056; Dec. 1.
Lens, Ophthalmic. E. D. Tillyer. 1,563,806; Dec. 1.
Lenses, Grinding. H. K. Parsons. 1,563,918; Dec. 1.
Level device. Z. H. Williams. 1,563,678; Dec. 1.
Level glass, Spirit-. G. Q. Bedortha. 1,563,321; Dec. 1.
Level, Telescopic hand. A. A. Grossman. 1,563,483; Dec. 1.
Leveling machine. F. B. Keall and W. T. Minett. 1,563,576; Dec. 1.
Lifter. J. M. Jung. 1,563,575; Dec. 1.
Lifting jack. G. Jensen. 1,563,862; Dec. 1.
Ligatures and the like, Apparatus for manufacturing. J. A. Nordin. 1,563,779; Dec. 1.
Light: *See*—
Flash light.
Lighting-fixture arm. N. I. Berger. Des. 68,894; Dec. 1.
Lighting fixture, Plate for. N. I. Berger. Des. 68,895; Dec. 1.
Lighting torch. A. Karr. 1,563,995; Dec. 1.
Lightning-rod anchor. A. G. Hoovens. 1,564,069; Dec. 1.
Limbs, Ankle joint for artificial. C. B. Winn. 1,564,166; Dec. 1.
Line switch. C. D. Richard. 1,563,658; Dec. 1.
Line wires, Pulling and transposing mechanism for. C. H. Klein. 1,563,377; Dec. 1.
Liquid-dispensing apparatus, Register for. W. L. Marden. 1,563,769–70; Dec. 1.
Lock: *See*—
Sash lock. Shaft thrust lock.
Locker. W. N. Vance. 1,563,880; Dec. 1.
Locking mechanism. J. A. Muzzio. 1,563,914; Dec. 1.
Locomotive, Superheated steam. C. W. Smith. 1,563,932; Dec. 1.
Locomotives, Superheater construction for. F. A. Benolken. 1,563,683; Dec. 1.
Loom. F. G. Hulme. 1,563,990; Dec. 1.
Looms, Card-saving device for dobby. F. Volech. 1,563,540; Dec. 1.
Looms, Lay for narrow-ware. E. R. Holmes. 1,563,570; Dec. 1.
Looms, Needle-positioning means for Axminster. A. P. Paine. 1,563,585; Dec. 1.
Looms, Shedding mechanism for. C. D. Brown. 1,563,681; Dec. 1.
Looms, Thin-place detector for. J. M. Davis and C. V. Thomas. 1,564,129; Dec. 1.
Loose-leaf devices and the like, Hinge structure for. H. Auburn. 1,563,947; Dec. 1.
Lubricating apparatus. O. Zerk. 1,563,609; Dec. 1.
Lubricator: *See*—
Valve lubricator.
Magneto, Two-spark. E. B. Nowosielski. 1,564,102; Dec. 1.
Mail box. O. G. Johnson. 1,564,073; Dec. 1.
Mail receptacles, Faceplate for. J. and H. C. Helm. Des. 68,913–14; Dec. 1.
Manures, Spreading apparatus for artificial. J. von S. Fiune. 1,563,698; Dec. 1.

Map-folding machine. E. W. Fiala. 1,563,696; Dec. 1.
Massage applicator. E. B. Allen. 1,563,944; Dec. 1.
Measuring hopper. C. S. Johnson. 1,563,718; Dec. 1.
Measuring instrument. A. C. Ulrich. 1,564,154; Dec. 1.
Medical apparatus, Combination. C. B. Fink. 1,563,736; Dec. 1.
Medicament-dispensing cartridge. H. S. Cook. 1,564,048; Dec. 1.
Mercury-rectifier starting device. E. W. Breisch 1,563,330; Dec. 1.
Metal sheets, Antishifting means for piled. W. J. Hammond. 1,563,848; Dec. 1.
Milk, Treating. A. W. Bosworth and L. H. Chrysler. 1,563,891; Dec. 1.
Mill-roll-cooling device. R. W. Brown. 1,564,171; Dec. 1.
Mine door, Automatic. G. Boggio. 1,563,827; Dec. 1.
Mirror, Translucent luminous advertising. C. Nourney. 1,564,010; Dec. 1.
Mixer: *See*—
Beverage mixer.
Mixing machine. W. E. Prescott. 1,563,524; Dec. 1.
Molding machines and the like, Work-guiding means for. C. L. Mattison and W. O. Vivarttas. 1,563,388; Dec. 1.
Mop. N. S. Hillyard. 1,563,745; Dec. 1.
Mop and handle therefor. E. Prendergast. 1,563,653; Dec. 1.
Mop and wringer, Combined. D. Keir. 1,563,496; Dec. 1.
Mopboard protector. F. W. Zastrow. 1,563,889; Dec. 1.
Motor: *See*—
Electric motor.
Motor-control system. R. W. McNeill. 1,564,007; Dec. 1.
Motor-control system. G. E. Stoltz. 1,563,452; Dec. 1.
Motor mechanism, Electric-. G. R. Kunkle. 1,563,380; Dec. 1.
Motors, Governor for internal-combustion. E. Knauss. 1,563,378; Dec. 1.
Multiplane. W. F. Gerhardt and I. M. Laddon. 1,563,419; Dec. 1.
Music-leaf turner. L. Osterman. 1,563,393; Dec. 1.
Napkin holder. A. P. Lindblad. Des. 68,925; Dec. 1.
Nonskid demountable tread for vehicle wheels. J. B. Brockhurst. 1,563,960; Dec. 1.
Nonskid device. W. H. Corey. 1,563,689; Dec. 1.
Oil burners and the like, Automatic controlling means for. J. McFell. 1,564,084; Dec. 1.
Oil-cracking and carbon-removing method and apparatus. L. D. Wyant. 1,563,818; Dec. 1.
Oil-stove burner. W. C. Homan. 1,563,987; Dec. 1.
Oiler, Curve. F. C. Kehr. 1,563,996; Dec. 1.
Oiling system. W. Coburn. 1,563,558; Dec. 1.
Open-hearth furnace. C. Davies, jr. 1,564,049; Dec. 1.
Ores, Process and apparatus for roasting. A. D. H. L. Fassotte. 1,563,616; Dec. 1.
Oscillating units and units with restrained oscillations, Method of and means for balancing and coupling freely-. G. H. Schleferstein. 1,563,531; Dec. 1.
Oscillation generator. W. S. Gorton. 1,563,620; Dec. 1.
Oven. H. Lyon. 1,564,082; Dec. 1.
Oven. W. C. Coleman. 1,563,895; Dec. 1.
Oven, Electric-stove. R. H. MacInnes. 1,564,086; Dec. 1.
Oven front frame, Stove-. A. H. Tinnerman. 1,564,034; Dec. 1.
Package sorter. R. J. Sholtz. 1,563,446; Dec. 1.
Packing machine. C. Boulanger. 1,563,715; Dec. 1.
Paper-box-making machine and the like. S. Bergstein. 1,563,323; Dec. 1.
Paper clip and book holder. A. H. Maynard. 1,563,508; Dec. 1.
Paper folding box. S. Bergstein. 1,563,322; Dec. 1.
Paper-hanger's tool. F. S. Briggs. 1,563,716; Dec. 1.
Paper-making machine. J. K. Darby. Re16,218; Dec. 1.
Paper-making machines, Top press roll for. R. B. Adams and F. R. Woodward. 1,563,943; Dec. 1.
Paper, Method and apparatus for use in sorting. G. F. Hosmer. 1,563,747; Dec. 1.
Paper napkins, towels, and the like, Dispenser for. J. O. Hunt. 1,563,991; Dec. 1.
Paper perforator. S. J. Jacob. 1,563,634; Dec. 1.
Pasteurizing process and apparatus. D. C. Kerckhoff and R. Copp. 1,563,905; Dec. 1.
Peanut bird. R. Gaygen. Des. 68,905; Dec. 1.
Peanut drying and roasting apparatus. H. D. Sawkins. 1,563,661; Dec. 1.
Pen and pencil safes, Combination lock for. G. W. Green. 1,563,621; Dec. 1.
Pencil or pen, Fountain marking. T. G. Sutherland. 1,563,408; Dec. 1.
Percolator heater unit. V. G. Vaughan. 1,563,458; Dec. 1.
Photographic apparatus for checking the aiming and firing operations on board aircraft. L. Belugou. 1,563,463; Dec. 1.
Photographic-developing apparatus. J. Sumter. 1,564,148; Dec. 1.
Piano action or movement. A. Pürrer. 1,563,526; Dec. 1.
Piano, Player-. A. G. Gulbransen. 1,563,977; Dec. 1.
Picker: *See*—
Stone picker.
Picture apparatus, Motion-. F. H. Owens. 1,563,394; Dec. 1.
Pin: *See*—
Pivot pin.
Pinions and wheels, Machine for manufacturing and mounting. A. H. Neureuther. 1,563,431; Dec. 1.
Pipe: *See*—
Smoking pipe.
Pipe. A. Kortejarvi. 1,563,866; Dec. 1.
Pipe clamp. G. Krell. 1,564,001; Dec. 1.
Pipe connection device, Branch-. M. B. Skinner. 1,563,406; Dec. 1.
Pipe joint, Flexible. C. J. P. Hoehn. 1,564,175; Dec. 1.
Pipes of tanks, Control for. H. L. Ridenour. 1,564,179; Dec. 1.
Pistol, Automatic. G. H. Tansley. 1,563,675; Dec. 1.
Piston ring. E. S. Moberley. 1,564,095; Dec. 1.
Piston rings, Making. R. Grover. 1,563,566; Dec. 1.
Pivot pin. H. F. Schulte. 1,563,404; Dec. 1.
Planetary transmissions, Neutral latch for. R. E. Mudd. 1,563,778; Dec. 1.
Plaster and applying same, Sound-absorbing. R. Guastavino. 1,563,848; Dec. 1.
Plaster boards, Interlocking sheet-steel frame for anchorage of. I. Pomerantz. 1,563,651; Dec. 1.
Plastic compositions, Manufacturing. B. W. Rote. 1,563,872; Dec. 1.
Plate. K. P. Beattie. Des. 68,898; Dec. 1.
Plate or similar article. F. G. Holmes. Des. 68,915–16; Dec. 1.
Plowing or cultivating machine. F. H. Liess. 1,564,077; Dec. 1.
Pneumatic drill. C. A. Hultquist. 1,563,632–3; Dec. 1.
Polish, Stove. M. Levin. 1,563,421; Dec. 1.
Polishing machine, Handle-. L. V. Blue. 1,563,714; Dec. 1.
Polishing machine, Reflector-. J. C. Fox. 1,563,355; Dec. 1.
Post base. L. Ponsolle. 1,564,109; Dec. 1.
Power plant. J. Schlumberger. 1,563,405; Dec. 1.
Power transmission and brake, Hydraulic. W. M. Sublette. 1,564,033; Dec. 1.
Power-transmission mechanism. J. W. Miller 1,563,514; Dec. 1.
Press: *See*—
Printing press.
Press button. A. C. Gaynor. 1,563,357; Dec. 1.
Pressing and creasing trousers, Apparatus for. A. Baldesberger. 1,563,825; Dec. 1.
Pressure cooker. A. R. Thompson. 1,564,150; Dec. 1.
Printing mechanism. L. J. Zahn. 1,564,042; Dec. 1.
Printing press. H. R. Linebaugh. 1,563,383; Dec. 1.
Printing press. W. H. Smith. 1,563,449; Dec. 1.
Prints for making halftone printing plates, Producing true gradation. H. C. Knudsen. 1,563,499; Dec. 1.
Protective device. R. V. Craig. 1,564,127; Dec. 1.
Puller: *See*—
Cotter-pin puller. Stump puller.
Pump. B. P. Bates. 1,563,319; Dec. 1.
Pump casing, Gasoline-. C. E. Woodbridge. Des. 68,943; Dec. 1.
Pump, Combined oil and vacuum. C. C. Bradbury. 1,563,328; Dec. 1.
Pump jack. J. Mortensen. 1,564,098; Dec. 1.
Pump, Vacuum. W. H. Millspaugh. 1,563,583; Dec. 1.
Punch. G. H. Spengler. 1,563,671; Dec. 1.
Punch, Hollow. J. Jensen. 1,563,574; Dec. 1.
Rack: *See*—
Ball rack. Toothbrush rack.
Display rack.
Radiant drying system, High-temperature. J. E. Alexander. 1,563,461; Dec. 1.
Radiator. E. F. Andrews. 1,563,543; Dec. 1.
Radiator-cap ornament or similar article. B. R. Brown. Des. 68,901; Dec. 1.
Radiator caps, etc., Anchor for. E. E. Josef. 1,563,749; Dec. 1.
Radiator sections and the like, Casting. C. B. Seem. 1,564,185; Dec. 1.
Radio receiving sets, Automatic cut-off switch for. F. G. Mitchell. 1,563,776; Dec. 1.
Radiopanel, Escutcheon plate for. W. B. Barks. Des. 68,887; Dec. 1.
Radio receiving system. J. B. Brady. 1,563,958; Dec. 1.
Radioreproducers, Base for a loud speaker for. S. Bourne. Des. 68,898; Dec. 1.
Radio vacuum tube. H. K. Huppert. 1,564,070; Dec. 1.
Rail and tie plate therefor. L. R. Parsons. 1,563,919; Dec. 1.
Rail spring and making same. W. J. Costello, jr. 1,563,966; Dec. 1.
Rails, Gauge plate for. O. J. Bujol. 1,563,466; Dec. 1.
Railway-crossing gate. C. Bradshaw. 1,563,329; Dec. 1.
Railway-crossing guard. P. A. Lundblad. 1,563,637; Dec. 1.
Railway-rail ends, Joint for. B. Leslie. 1,564,005; Dec. 1.
Railway-traffic-controlling apparatus. R. P. Tuttle. 1,564,153; Dec. 1.
Railway-traffic-controlling apparatus. H. S. Young. 1,563,819–20; Dec. 1.
Railways, Device for overcoming the break-of-gauge difficulty in. J. H. Saunders. 1,563,530; Dec. 1.
Range finder. R. Kauch. 1,563,373; Dec. 1.
Ratchet wrench. F. Waters. 1,563,863; Dec. 1.
Razor, Safety. R. J. Christy. 1,563,724; Dec. 1.
Razor strop, Safety-. H. B. Hartman. 1,563,852; Dec. 1.





Receiver unit, Loud-speaking. H. Koch. 1,563,500; Dec. 1.
Receptacle, Collapsible. M. G. Grodnick. 1,563,902; Dec. 1.
Record apparatus, Disk-. F. J. Bulask. 1,563,551; Dec. 1.
Recording device, Graphic. J. W. Legg. 1,563,382; Dec. 1.
Rectifier, Mechanical. W. R. Hamilton. 1,564,063; Dec. 1.
Rectifying system, Mechanical. J. Slepian. 1,563,407; Dec. 1.
Reflocculated product, Making a. G. W. Acheson. 1,563,713; Dec. 1.
Refractory material and producing the same, W. A. Harty. 1,563,853; Dec. 1.
Refrigerator. A. N. Hornung. Des. 68,917; Dec. 1.
Refrigerator courter. T. P. Loblaw. 1,563,577; Dec. 1.
Registering device. O. C. From. 1,563,738; Dec. 1.
Regulator: *See*—
Draft regulator.
Relay system. Q. A. Brackett. 1,563,327; Dec. 1.
Resistance device and welding wire. A. E. Waller. 1,563,812; Dec. 1.
Resistor. L. J. Hibbard. 1,563,363; Dec. 1.
Return ball. V. L. Miller. 1,563,912; Dec. 1.
Ribbon fabric. A. J. Scholtes. Des. 68,940; Dec. 1.
Rim with attached clamping lug, Demountable. J. H. Wagenhorst. 1,563,810; Dec. 1.
Ring: *See*—
Piston ring.
Ring. M. L. Robbins. Des. 68,931–3; Dec. 1.
Ring. M. L. Robbins. Des. 68,935; Dec. 1.
Ring. M. L. Robbins. Des. 68,937–8; Dec. 1.
Ringer box and telephone desk stand, Combined. H. F. Obergfell. Des. 68,929; Dec. 1.
Ripple and bubble eliminator. R. M. Putnam. 1,563,436; Dec. 1.
Roasting machine. J. Lieberherr. 1,563,757; Dec. 1.
Rod: *See*—
Tow rod.
Roller: *See*—
Cloth-expanding roller.
Roofing construction. J. F. Stuckert. 1,564,032; Dec. 1.
Rounding articles, Method and apparatus for. G. E. Mirfield. Re16,220; Dec. 1.
Route sheet. R. W. Cullen. 1,563,967; Dec. 1.
Rowing machine. G. Buss. 1,563,962; Dec. 1.
Rubber composition, Treating. J. B. Dickson. 1,564,050; Dec. 1.
Rubber in nonaqueous materials, Incorporation of. J. M. Weiss. 1,563,410; Dec. 1.
Rug strand. O. T. Waite. 1,564,036; Dec. 1.
Safety catch. E. Morehouse. 1,563,777; Dec. 1.
Safety device. W. H. McClelland. 1,563,422; Dec. 1.
Salt and pepper shaker, Combined. F. S. O'Brien. 1,563,917; Dec. 1.
Salts, Separating soluble. C. E. Dolbear. 1,563,613; Dec. 1.
Sash lock. R. Curtis, sr. 1,564,128; Dec. 1.
Saw. A. F. Ouellet. 1,564,105; Dec. 1.
Saw guard. C. B. Auel. 1,563,317; Dec. 1.
Saw, Hack. W. C. Reinhardt and A. W. Lundgren. 1,563,870; Dec. 1.
Saw set. W. L. Taylor. 1,563,539; Dec. 1.
Saw-table guide. F. Bielaski. 1,563,325; Dec. 1.
Sawing machine. W. E. Gerlach. 1,563,844; Dec. 1.
Sawing machine, Portable rail-. W. C. Reinhardt. 1,564,114; Dec. 1.
Scale base. O. C. Reeves. Des. 68,930; Dec. 1.
Scale, Weighing. C. E. Page. 1,563,781; Dec. 1.
Scraper. W. H. Courtney. 1,564,126; Dec. 1.
Screen: *See*—
Fluoroscopic screen. Window screen.
Screens, Spacing fastener for wire. I. Peterson. 1,563,785; Dec. 1.
Seam anchor. P. Hogan. 1,563,569; Dec. 1.
Seat and the like, Spring. R. Denham. 1,563,692; Dec. 1.
Secret-communication system. R. Bown. 1,563,326; Dec. 1.
Self-oiling head motion. C. E. Thompson. 1,564,151; Dec. 1.
Separator: *See*—
Centrifugal separator. Vibratory separator.
Sewing machine. F. W. Zaleski. 1,564,169; Dec. 1.
Sewing machine, Shoe-. J. H. Reed. 1,563,437; Dec. 1.
Sewing machines and the like, Spring structure for. T. J. Hayes. 1,564,174; Dec. 1.
Sewing machines, Work-handling mechanism for. C. W. Mueller. 1,564,177; Dec. 1.
Shade-roller and curtain-rod support, Combined. J. H. Boyce. 1,563,828; Dec. 1.
Shaft thrust lock. L. J. Scheben. 1,563,442; Dec. 1.
Shafts, Securing knobs and dials to instrument. H. J. Kasch. 1,563,635; Dec. 1.
Sheep shear. F. G. W. Bristow. 1,563,549; Dec. 1.
Sheep shears, Adapter for. F. G. Bristow. 1,563,332; Dec. 1.
Sheet-feeding mechanism. J. P. Wright. 1,563,417; Dec. 1.
Sheet metal, Machine for cutting. M. B. McLauthlin. 1,564,006; Dec. 1.





Shellac substitute, Acid-resistant. J. R. Kuhn. 1,564,002; Dec. 1.
Shirt. B. Breier. Des. 68,900; Dec. 1.
Shirt retainer. H. S. and M. Hirsch. 1,563,746; Dec. 1.
Shock absorber. E. Matthews. 1,564,088; Dec. 1.
Shock absorber, Vehicle spring check. C. F. Lavallee. 1,564,003; Dec. 1.
Shoe-stitching or other machines, Stopping and starting mechanism for. J. R. Oliver. 1,564,103; Dec. 1.
Shore. F. F. Sinks. 1,563,533; Dec. 1.
Shovels and the like, Knee or foot rest for. S. Rubio. 1,563,528; Dec. 1.
Shutter, Automatic. I. V. Blevins. 1,564,121; Dec. 1.
Sifter. B. A. Carlson and O. R. Snow. 1,563,722; Dec. 1.
Sight-testing apparatus. H. G. Pank and C. W. Laubman. 1,564,013; Dec. 1.
Signal: *See*—
Automobile signal.
Signal. J. L. Drohen. 1,564,130; Dec. 1.
Signal. H. Z. Zaun. 1,563,821; Dec. 1.
Signal device. A. Ekman. 1,563,614; Dec. 1.
Signal switch, Electric. J. O. Cadieux. 1,563,721; Dec. 1.
Signaling device. J. M. Reid. 1,563,790; Dec. 1.
Signaling device, Sound-. H. Hecht, W. Rudolph, H. Lichte, and W. Hahnemann. 1,563,626; Dec. 1.
Signaling system. F. Conrad. 1,563,342; Dec. 1.
Signaling system. P. B. Murphy. 1,563,517; Dec. 1.
Silicates, Separating the constituents of mineral. S. W. Scofield and J. B. La Rue. 1,563,875; Dec. 1.
Sinker. J. W. Stickley and A. T. Rossignol. 1,564,147; Dec. 1.
Sintering machine. J. R. Linney. 1,563,759; Dec. 1.
Sled. R. Burrell. 1,563,832; Dec. 1.
Smoker's article. C. M. Adler. 1,563,541; Dec. 1.
Smoking pipe. W. Walker. 1,563,460; Dec. 1.
Snowplow. J. D. Peters and N. P. Pallesen. 1,563,920; Dec. 1.
Soda fountains, Draft arm for. J. Kantor. 1,563,372; Dec. 1.
Sole for boots and shoes. J. E. Grosjean. 1,564,060; Dec. 1.
Spacing mechanism. J. A. Moore and J. S. Conley. 1,564,096; Dec. 1.
Speed device, Electric-motor-driven change-. C. Bouillon. 1,563,546; Dec. 1.
Spherometer. N. Carreau, jr. 1,563,468; Dec. 1.
Spinning-frame cam, Bunch-building. C. A. Pierce. 1,563,648; Dec. 1.
Sprinkler installation. S. Horton. 1,563,490; Dec. 1.
Stacker teeth, Attachment for. H. L. Sonderup. 1,564,145; Dec. 1.
Stamp holder. M. B. Bultman. 1,563,686; Dec. 1.
Stand: *See*—
Display stand. Weighing stand.
Switch stand.
Stand. S. Schwartz. Des. 68,941; Dec. 1.
Stapling machine. A. H. Prenzel. 1,563,435; Dec. 1.
Starter switch, Electromagnetically-operated. L. C. Spencer. 1,563,670; Dec. 1.
Steam engine. J. H. Livingston. 1,564,137; Dec. 1.
Steering stabilizer. J. C. Pewther. 1,564,018; Dec. 1.
Stereotype-plate-casting machine. W. Evenson. 1,563,349; Dec. 1.
Sterilizer. E. Kronman. Des. 68,921; Dec. 1.
Stocking. W. J. McClelland. 1,563,784; Dec. 1.
Stocking and method of making. H. C. Langer. 1,563,868; Dec. 1.
Stoker. E. Lundgren. 1,563,762; Dec. 1.
Stoker, Mechanical. R. B. Holthaus and G. D. Smith. 1,563,708; Dec. 1.
Stokers, Ash support for mechanical. R. S. Riley. 1,563,930; Dec. 1.
Stone picker. C. Christenson. 1,563,340; Dec. 1.
Stopper: *See*—
Aperture stopper.
Storage battery. E. H. Williams. 1,564,163; Dec. 1.
Story-illustrating arrangement, Silent-reading. J. E. McDade. 1,563,582; Dec. 1.
Strand-feeding machine. F. M. Cleaveland. 1,563,725; Dec. 1.
Street or station indicator. R. Major, P. J. Durbin, and F. C. Orr. 1,563,579; Dec. 1.
Striker plate. R. Smith. 1,563,667; Dec. 1.
Stripper. W. H. McClelland. 1,563,423; Dec. 1.
Stump puller. T. M. Short. 1,563,665; Dec. 1.
Styptics, Composition of. C. R. Downs. 1,563,346; Dec. 1.
Suction box. M. D. Pigman. 1,563,649; Dec. 1.
Sugar bowl or similar article. K. P. Beattie. Des. 68,888; Dec. 1.
Sulphite cellulose lye, Utilizing. C. G. Schwalbe. 1,564,142; Dec. 1.
Surgical uses, Apparatus for. A. L. Soresi. 1,564,146; Dec. 1.
Suspension device. G. L. Smith. 1,564,029; Dec. 1.
Suture. E. J. Ovington. 1,564,012; Dec. 1.
Swimming pool. F. E. Hartman. 1,563,850–1; Dec. 1.
Swimming pools, Purifying and circulating water in. F. E. Hartman. 1,563,849; Dec. 1.
Switch: *See*—
Air-break switch. Line switch.
Electrical switch. Starter switch.
Electric signal switch. Starting switch.
Ignition and lighting switch. Time switch.

Switch cover. A. Finkernagel. 1,563,697; Dec. 1.
Switch stand, Parallel-throw. L. A. Green. 1,563,976; Dec. 1.
Switch-throwing bar, Jointed. H. H. Gerdes and T. L. Hensley. 1,563,563; Dec. 1.
Syringe. L. M. Jones. 1,564,074; Dec. 1.
Syringe ampul, piston, and piston-packing construction. G. N. Hein. 1,563,627; Dec. 1.
Table: *See*—
Folding table.
Tag strip. C. A. Flood. 1,563,843; Dec. 1.
Talking machine. F. Malocsay. 1,564,008; Dec. 1.
Talking machines, Registering device for. P. Farb. 1,563,734; Dec. 1.
Tank: *See*—
Vacuum tank.
Tanks, Filling gasoline. W. Friedhoff. 1,563,560; Dec. 1.
Tanks, Safety device for. T. Thomas. 1,564,149; Dec. 1.
Teapot or similar article. K. P. Beattie. Des. 68,889; Dec. 1.
Teacup. K. P. Beattie. Des. 68,892; Dec. 1.
Telegraphs, Tabulating mechanism for printing. C. E. Nelson. 1,563,915; Dec. 1.
Telephone apparatus. L. Schmidt. 1,564,026; Dec. 1.
Telephone diaphragm. L. R. McDonald. 1,563,512; Dec. 1.
Telephone earpiece or receiver. C. E. Williams. 1,563,888; Dec. 1.
Telephone-exchange system. E. S. Gibson. 1,563,618; Dec. 1.
Telephone-exchange system. J. N. Walters. 1,563,599; Dec. 1.
Telephone receiver. H. Koch and F. H. N. Wohlers. 1,563,501; Dec. 1.
Telephone receiver. A. Pihl. 1,563,787; Dec. 1.
Telephone receivers, Sound controller for. M. R. Hutchison. 1,563,572; Dec. 1.
Telephone system. E. H. Clark. 1,563,556; Dec. 1.
Telephone system. E. E. Hinrichsen. 1,563,630–1; Dec. 1.
Telephone system. J. R. Newsom. 1,563,643; Dec. 1.
Telephone system, Automatic. A. H. Dyson. 1,563,347; Dec. 1.
Telephone system, Automatic. W. T. Powell. 1,563,652; Dec. 1.
Telephone system, Automatic. W. T. Powell. 1,564,020; Dec. 1.
Telephone systems, Testing set for. E. Jacobsen. 1,563,370; Dec. 1.
Telephone switch, Automatic. H. W. Goff. 1,563,740; Dec. 1.
Telephones and the like, Silencer for. A. N. Pierman and N. A. Curtiss. 1,563,586; Dec. 1.
Tennis rackets, Handle structure for. C. A. Ovenshire. 1,563,780; Dec. 1.
Terminal, High-tension. R. W. Atkinson. 1,563,946; Dec. 1.
Testing and truing device. J. C. Taylor. 1,563,939; Dec. 1.
Testing apparatus. A. J. Rowland. 1,564,138; Dec. 1.
Textile fabric. F. M. Kaufman. Des. 68,918–19; Dec. 1.
Textile fabric used for draperies. W. H. Grogan. Des. 68,908–12; Dec. 1.
Theatrical novelty. J. A. Partington. 1,563,782; Dec. 1.
Thimble. J. M. Barton. 1,563,954; Dec. 1.
Time switch. J. G. Steiss. 1,563,537; Dec. 1.
Timepieces, Operating mechanism for. G. H. Cooper. 1,564,124; Dec. 1.
Timer. H. W. Gossell. 1,563,703; Dec. 1.
Tire casings, Apparatus for manufacturing. A. Otto. 1,563,519; Dec. 1.
Tire changer. M. Miller. 1,564,092; Dec. 1.
Tire construction, Duo-cord. T. B. Stover. 1,563,672; Dec. 1.
Tire cover. M. B. Loetscher. 1,563,760; Dec. 1.
Tire valve. C. W. Beck. 1,563,320; Dec. 1.
Tire valve. J. Pluto. 1,564,108; Dec. 1.
Tires and making same, Rim for. J. H. Wagenhorst. 1,563,811; Dec. 1.
Toaster. J. M. S. Anderson. 1,563,823; Dec. 1.
Toilet-flushing handle. A. Dominquez. 1,563,729; Dec. 1.
Tongs, Pipe. J. W. A. Andrae. 1,563,542; Dec. 1.
Tool, Carpenter's. L. N. Jones. 1,563,495; Dec. 1.
Tool, Combination. A. F. Wieneske. 1,563,815; Dec. 1.
Tool construction, Hand-. J. T. Hohl. 1,563,707; Dec. 1.
Tooth, Replaceable. W. L. Mason. 1,564,087; Dec. 1.
Toothbrush rack. J. H. Balmer. 1,564,119; Dec. 1.
Torches, etc., Hood or protector for gasoline. B. Martin. 1,563,427; Dec. 1.
Torpedo-filling machine, Top-. P. Giannone. 1,564,134; Dec. 1.
Tortilla-forming machine. Y. M. Atanay. 1,563,314; Dec. 1.
Tow rod. J. Jacobson. 1,563,860; Dec. 1.
Toy. E. E. France. 1,564,132; Dec. 1.
Toy, Animated. W. Brashear, jr. 1,563,548; Dec. 1.
Toy radio. D. Green. 1,563,359; Dec. 1.
Track for vehicles, Endless. O. S. Penn. 1,563,522; Dec. 1.
Tractor driving and steering mechanism. J. C. French. 1,563,479; Dec. 1.
Tractor hoist. W. H. Schmidt, P. O. Dallmann, and T. G. Mueller. 1,563,874; Dec. 1.
Tractors, Distance control attachment for. W. B. Richardson. 1,563,791; Dec. 1.
Tractors, Seat support for. E. O. Bachman. 1,563,824; Dec. 1.
Traffic sign. C. Appe. Des. 68,886; Dec. 1.
Train-control system. P. J. Simmen. 1,563,144; Dec. 1.
Train-stopping apparatus, Automatic. E. D. Brown. 1,563,550; Dec. 1.
Transformer-cooling system. C. L. Fortescue. 1,563,354; Dec. 1.
Transits, Solar attachment for. J. M. Gunn. 1,563,484; Dec. 1.
Transmission systems, Composite ringer for. H. Nyquist. 1,563,432; Dec. 1.
Transmitter, Ball storage. E. E. Kleinschmidt. 1,563,906; Dec. 1.
Transmitter casing, Glow-discharge. L. F. Kindermann. 1,563,375; Dec. 1.
Transmitting energy by means of steam working in a closed cycle, System for. S. Cristiani. 1,563,690; Dec. 1.
Transplanter. L. C. Harry. 1,563,625; Dec. 1.
Trap: *See*—
Animal trap.
Tray, Ash. I. M. Clarke. Des. 68,902; Dec. 1.
Tray, Impression. S. R. Barton. 1,563,955; Dec. 1.
Tray, Smoker's. C. Kuzaroff. Des. 68,922–3; Dec. 1.
Tree, Impregnating living. C. Schmittutz. 1,564,141; Dec. 1.
Trenches, Device for back filling. C. F. Goeringer. 1,563,975; Dec. 1.
Tricycle horse, Galloping. F. G. Baker. 1,563,318; Dec. 1.
Trolley. L. F. Burnham. 1,563,336; Dec. 1.
Trolley-conductor device. P. G. Swars. 1,563,455; Dec. 1.
Trolley pole. T. S. Perkins. 1,563,395; Dec. 1.
Trough, Feed. L. Klow. 1,563,497; Dec. 1.
Trowel, Cement. E. H. Busch. 1,564,172; Dec. 1.
Truck bodies, Dumping mechanism for. W. H. McCormick. 1,563,639; Dec. 1.
Truck bodies, Universal mounting and hoist for dumping. W. H. McCormick. 1,563,638; Dec. 1.
Truck bolster. H. C. Priebe. 1,563,654; Dec. 1.
Truck, Industrial. H. T. Pleines. 1,563,650; Dec. 1.
Truck, Warehouse. D. W. Joyner. 1,563,863; Dec. 1.
Trucks, Hoist for dumping. W. H. McCormick. 1,563,640; Dec. 1.
Trunk. M. J. Peppard. 1,563,784; Dec. 1.
Tub: *See*—
Bathtub.
Tube: *See*—
Radio vacuum tube.
Tube connection, Water-. W. A. Smith. 1,563,802; Dec. 1.
Type-casting machines, Device for buffing matrices for. G. S. Probert. 1,564,110; Dec. 1.
Type-composing machine, Manually-operated. A. S. Adams. 1,563,313; Dec. 1.
Typewriters, Automatic carriage-reversing mechanism for. C. D. French and L. D. Brown. 1,563,702; Dec. 1.
Typewriters, Stencil attachment for. J. I. Mason. 1,563,771; Dec. 1.
Typewriting machine. J. A. B. Smith. 1,563,448; Dec. 1.
Typewriting machine. J. A. B. Smith. 1,563,800; Dec. 1.
Typewriting machine. R. W. Uhlig. 1,563,597; Dec. 1.
Typographical distributing machine. D. S. Kennedy. 1,563,750; Dec. 1.
Typographical distributing machine. J. R. Rogers. 1,563,796; Dec. 1.
Universal joint. W. T. Hensley. 1,563,629; Dec. 1.
Vacuum tank. E. Müller. 1,563,516; Dec. 1.
Valve. B. W. McClymont and S. J. North. 1,563,385; Dec. 1.
Valve. F. A. Nieberding. 1,563,916; Dec. 1.
Valve. H. W. Rottel. 1,563,590; Dec. 1.
Valve, Adjustable automatic pressure-relief. O. C. Blakeslee. 1,563,545; Dec. 1.
Valve and cap apparatus. H. F. Roller. 1,563,871; Dec. 1.
Valve-controlling means. K. J. E. Hesselman. 1,563,744; Dec. 1.
Valve, Float-operated. W. J. Buford. 1,563,719; Dec. 1.
Valve, Flush. R. O. H. Campbell. 1,564,122; Dec. 1.
Valve for brine tanks. A. F. O'Connor. 1,563,645; Dec. 1.
Valve for hot-blast stoves. F. H. Willcox and J. C. Hayes. 1,563,605; Dec. 1.
Valve grinder. J. C. Pewther. 1,564,017; Dec. 1.
Valve lubricator. S. N. Jannes. 1,563,493; Dec. 1.
Valve mechanism, Tank-. A. Campbell. 1,563,554; Dec. 1.
Valve, Tank or ball. J. Van Dyke. 1,563,457; Dec. 1.
Vanity case. G. T. Bates. 1,563,956; Dec. 1.
Vehicle. W. E. McLaren. 1,563,766; Dec. 1.
Vehicle body. R. L. Southern. 1,563,803; Dec. 1.
Vehicle jack. J. E. Beckwith. 1,564,120; Dec. 1.
Vehicle starters, Automatic safety device for motor-. R. E. Ross. 1,563,527; Dec. 1.
Vehicle wheel. J. F. Wilmot. 1,563,679; Dec. 1.





Vehicles, Antislipping device for motor. H. E. Simonton. 1,563,447; Dec. 1.
Vehicles, Arrangement for parking. F. E. Reinhold. 1,563,929; Dec. 1.
Vehicles, Attachment for motor. G. S. Hale. 1,564,061; Dec. 1.
Vehicles, Attachment for taximeter. A. Weiss. 1,564,038; Dec. 1.
Vehicles, Brake band for motor. R. H. Hutchinson. 1,563,368; Dec. 1.
Vehicles, Direction indicator for motor. W. H. Higgason. 1,564,068; Dec. 1.
Vehicles, Direction signal for motor. E. A. Jensen. 1,563,494; Dec. 1.
Vehicles, Electrical system for motor. D. R. Price. 1,563,525; Dec. 1.
Vehicles, Gear-shifting and car-locking mechanism for motor. I. K. Tuerck. 1,563,807; Dec. 1.
Vehicles, Operating and maintenance record for. O. Juvet. 1,563,864; Dec. 1.
Vehicles, Spring suspension for. G. Barker. 1,563,952; Dec. 1.
Vehicles, Spring suspension for. R. Y. Bovee. 1,563,547; Dec. 1.
Vehicles, Spring suspension for motor. C. H. Buckler. 1,563,335; Dec. 1.
Vehicles, Water circulator for. E. Ryder. 1,563,403; Dec. 1.
Vending machine. I. C. Honegger. 1,563,366; Dec. 1.
Veneer press and the like. J. E. Black. 1,563,684; Dec. 1.
Ventilating closet. C. E. Jackson. 1,564,071; Dec. 1.
Venting attachment for large receptacles containing volatile explosives, Safety. J. Cohn. 1,563,472; Dec. 1.
Vibratory separator. W. C. Coleman. 1,563,896; Dec. 1.
Vine clipper or cutter. W. A. Moates. 1,564,094; Dec. 1.
Vine turner. C. T. McCready. 1,563,765; Dec. 1.
Violin. C. C. Lock. 1,564,078; Dec. 1.
Vulvanizing bags, Apparatus for removing. G. K. McNeill. 1,563,513; Dec. 1.
Wagon. E. N. Rousseau. 1,563,401; Dec. 1.
Wagon, Self-loading and tipping. S. J. Boys. 1,563,685; Dec. 1.
Wall-decorating fabric or similar article. A. W. Ankeny. Des. 68,885; Dec. 1.
Washing machine. O. Butzbach. 1,563,552; Dec. 1.
Washing machine. J. J. Groden. 1,564,136; Dec. 1.
Washing machine. A. R. Haag. 1,563,624; Dec. 1.
Washing-machine cylinder. C. F. Anderson. 1,563,822; Dec. 1.
Washing machines, Automatic reversing mechanism for. W. F. Moran. 1,563,913; Dec. 1.
Water-closet. S. De Cola. 1,563,691; Dec. 1.
Water heater, Auxiliary electrical. T. H. Willson. 1,564,040; Dec. 1.
Water heaters, Automatic gas cut-off for gas. A. J. Gilden. 1,564,135; Dec. 1.
Water recooler. J. H. Lakin. 1,564,075; Dec. 1.
Water-tube boiler. J. M. Sullivan. 1,563,938; Dec. 1.
Waterer, Automatic hog. J. Miller and H. Gruber. 1,563,775; Dec. 1.
Waterproofing material and product produced thereby, Process and apparatus for producing. T. W. Morse. 1,563,642; Dec. 1.
Wave-receiving system. H. W. Nichols. 1,563,644; Dec. 1.
Weather strip. A. A. Morse. 1,564,182; Dec. 1.
Weather strip. M. H. Ziegler. 1,563,610; Dec. 1.
Weeder. J. Prater. 1,563,434; Dec. 1.
Weft-carrier magazine. E. H. Ryon. 1,563,592; Dec. 1.
Weighing stand. E. Pearson. 1,563,521; Dec. 1.
Welding. C. H. Humphries. 1,563,748; Dec. 1.
Welding apparatus, Electric. A. E. Cutler and P. A. Marsden. 1,563,612; Dec. 1.
Well drill and tool. J. R. Walton. 1,563,600; Dec. 1.
Wheel: *See*—
Felly wheel.
Vehicle wheel.
Whisk. S. G. Wilson. 1,563,814; Dec. 1.
Winch-control mechanism. R. S. Hoar. 1,563,568; Dec. 1.
Winding machines, Tension device for. L. T. Houghton. 1,563,857; Dec. 1.
Windlass, Well. F. C. Hall. 1,564,062; Dec. 1.
Window-controlling device. S. W. Nicholson. 1,563,390–1; Dec. 1.
Window screen. M. F. Henning. 1,563,361; Dec. 1.
Windows, Mechanism for opening and closing casement. R. W. Prior. 1,563,655; Dec. 1.
Windshield. G. Williams. 1,563,606; Dec. 1.
Wireless receiving system. R. E. Marbury. 1,563,425; Dec. 1.
Wrench: *See*—
Ratchet wrench.
Wrench. J. P. Acord. 1,563,942; Dec. 1.
Wrench. F. W. Trabold. 1,564,035; Dec. 1.
Wrench blank and making same. W. P. Witherow. 1,564,167; Dec. 1.
Wringer. A. R. Haag. 1,563,623; Dec. 1.
Wringer. A. Rasmussen. 1,564,112; Dec. 1.
X-ray films, Developing holder for. J. R. Herradora. 1,563,362; Dec. 1.

# CLASSIFICATION OF PATENTS

## ISSUED DECEMBER 1, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

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220— 1: 1,563,838
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225— 25: 1,563,372
226— 61: 1,563,700
229— 41: 1,563,907
230— 13: 1,563,752
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232— 17: 1,564,073
233— 7: 1,563,491
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235— 94: 1,563,769
137: 1,563,763
144: 1,563,770
236— 10: 1,564,023
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78: 1,564,084
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238— 47: 1,564,005
238— 259: 1,563,966
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254— 6: 1,563,862
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267— 10: 1,564,003
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268— 2: 1,563,921
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271— 22: 1,563,417
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278— 6: 1,563,804
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285— 91: 1,564,175
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287— 53: 1,563,635
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296— 1: 1,563,855
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298— 19: 1,563,638
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299— 12: 1,563,794
58: 1,563,396
98: 1,564,074
300— 18: 1,563,937
21: 1,563,367
301— 19: 1,563,810
44: 1,563,447
63: 1,563,679
67: 1,563,882
308— 68: R. 16,219
239: 1,563,663


# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abraham & Straus, Inc., New York, N. Y. Crockery cooking utensils, porcelain and earthenware vases, etc. 206,746; Dec. 8; Serial No. 200,297; published Sept. 29, 1925.

Abraham & Straus, Inc., New York, N. Y. Linen, woolen, cotton, silk, and velvet goods in the piece, lace, ribbons, blankets, etc. 206,747; Dec. 8; Serial No. 200,298; published Sept. 29, 1925.

Abraham & Straus, Inc., New York, N. Y. Kitchen cabinets and kitchen tables. 206,872; Dec. 8.

Abraham & Straus, Inc., New York, N. Y. Stoves. 206,873; Dec. 8.

Abramowski, Antoni, Chester, Pa. Men's union textile-fabric undergarments. 206,684; Dec. 8; Serial No. 217,239; published Sept. 29, 1925.

Accelerite Manufacturing Co., Harrison, N. J. Automobile accelerator pedal. 206,814; Dec. 8; Serial No. 219,159; published Sept. 29, 1925.

Ach, Samuel, Company, The, Cincinnati, Ohio. Ladies' hats and hat frames. 206,838; Dec. 8; Serial No. 216,004; published Sept. 15, 1925.

Adams & Westlake Company, The, Chicago, Ill. Bicycles, tricycles, quadricycles, etc., and their accessories. 27,681-2; renewed Jan. 21, 1926.

Aktiengesellschaft vormals B. Siegfried, Zofingen, Switzerland. Preparation for skin itching. 206,658; Dec. 8; Serial No. 216,756; published Sept. 15, 1925.

Aldine Knitting Mills, Philadelphia, Pa. Hats, caps, sweaters, mufflers, and leggings. 206,639; Dec. 8; Serial No. 207,113; published Sept. 15, 1925.

Alexandrine, Paris, France. Gloves of leather. 206,729; Dec. 8; Serial No. 213,155; published Sept. 1, 1925.

Allied Belting Company, The, Greenville, Ohio. Tarpaulins and aprons for covering purposes. 206,745; Dec. 8; Serial No. 198,102; published Sept. 29, 1925.

Amera Chemical Company, Minneapolis, Minn. Pharmaceutical preparation. 206,647; Dec. 8; Serial No. 214,452; published Sept. 15, 1925.

American Fork & Hoe Company, The, Cleveland, Ohio. Stamped-metal handle tops for D handles for shovels, forks, and spades. 206,556; Dec. 8; Serial No. 199,740; published Apr. 28, 1925.

American Glass Works, Incorporated, Richmond, Va. Glass bottles. 206,753; Dec. 8; Serial No. 205,506; published Mar. 17, 1925.

American Lady Corset Co., Detroit, Mich. Underwear, chemises, vests, etc. 206,570; Dec. 8; Serial No. 215,123; published Sept. 29, 1925.

American Spirits Manfg. Co., New York, N. Y., and Peoria, Ill., assignor to Kentucky Alcohol Corporation, New York, N. Y. Spirits. 27,811; renewed Feb. 18, 1926.

Andrews, Ernest L., Bristol, Tenn. Remedy for liver disease. 27,735; renewed Feb. 6, 1926.

Anliker, Fritz, Hilterfingen, near Thoune, Switzerland. Substitutes for coffee. 206,678; Dec. 8; Serial No. 217,385; published Sept. 29, 1925.

Arden, Elizabeth. (See Lewis, Florence N.)

Ashland Fire Brick Company, Ashland, Ky. Fire brick. 206,852; Dec. 8.

Autopiano Company, The, New York, N. Y. Self-playing pianos and piano players. 51,161; renewed Apr. 3, 1926.

B. B. Gum Company. (See Bridges, Ford E.)

Babbitt, B. T. (See Mendleson, A., & Sons, assignors.)

Babbitt, B. T., New York, N. Y. Lye and other pipe solvents. 206,765; Dec. 8; Serial No. 216,665; published Sept. 22, 1925.

Babbitt Company, The, doing business as Babbitt Perfumers, Philadelphia, Pa. Face powders and creams, toilet waters, rouges, etc. 206,617; Dec. 8; Serial No. 217,811; published Sept. 29, 1925.

Bailey, Charles R., New York, N. Y., assignor to Haskins Brothers & Company, Sioux City, Iowa, and Omaha, Nebr. Soap, perfumery, and cosmetics. 27,134; renewed Oct. 8, 1925.

Baldwin, A., & Co., Ltd., New Orleans, La. Pocket and other knives. 28,181; renewed Apr. 21, 1926.

Balsamea Laboratories Incorporated, San Francisco, Calif. Liquid antiseptic. 206,563; Dec. 8; Serial No. 209,611; published Sept. 29, 1925.

Barkann, Milton D., and E. M. Weinberg, New York, N. Y. Dental products made of paper or the like. 206,717; Dec. 8; Serial No. 210,879; published May 26, 1925.

Barrick, William B., Stillman Valley, Ill. Prevention and relief of diseases known as roup, cholera, etc. 206,686; Dec. 8; Serial No. 217,063; published Sept. 29, 1925.

Bauman, Ernest C., Modesto, Calif. Fresh melons, peaches, and cantaloupes. 206,559; Dec. 8; Serial No. 204,812; published Sept. 29, 1925.

Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings and parts thereof. 206,776; Dec. 8; Serial No. 212,314; published Sept. 29, 1925.

Beiersdorf, P., & Co. Inc., New York, N. Y. Cardiotonic. 206,619; Dec. 8; Serial No. 217,753; published Sept. 8, 1925.

Behringwerke, A. G., Marburg, Germany. Medical preparations and serums. 206,740; Dec. 8; Serial No. 195,209; published Sept. 22, 1925.

Bell, Letitia W., doing business as Letty Wood, Long Island City, N. Y. Chemical preparation for treatment of the skin. 206,694; Dec. 8; Serial No. 215,835; published Aug. 18, 1925.

Bennett-Barnes Company, Terre Haute, Ind. Concrete and reenforced septic tanks. 206,875; Dec. 8.

Bennett Pumps Corporation, Muskegon, Mich. Grease buckets with pump attached. 206,703; Dec. 8; Serial No. 215,127; published Sept. 22, 1925.

Berk, Nathan, doing business as the Berk Lace & Braid Mfg. Co., Providence, R. I. Shoe laces. 206,554; Dec. 8; Serial No. 193,210; published July 21, 1925.

Bernheim Distilling Co. Inc.; Bernheim Distilling Company, Louisville, Ky., successor. Whisky. 48,571; renewed Jan. 2, 1926.

Best & Co., Inc., New York, N. Y. Perfume. 206,589; Dec. 8; Serial No. 218,387; published Sept. 29, 1925.

Bingo Springs Laboratories, Sherman, Calif. Laxative drinking water. 206,593; Dec. 8; Serial No. 218,447; published Sept. 29, 1925.

Blair Manufacturing Company, Springfield, Mass. Lawn mowers. 206,848; Dec. 8; Serial No. 217,443; published Sept. 22, 1925.

Bloch & Guggenheimer, Inc., New York, N. Y. Pickles, chowchow, horseradish, etc. 206,763; Dec. 8; Serial No. 217,067; published Sept. 29, 1925.

Blum & Koch, Inc., New York, N. Y. Men's straw hats. 206,840; Dec. 8; Serial No. 215,732; published Sept. 15, 1925.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 206,779; Dec. 8; Serial No. 218,043; published Sept. 29, 1925.

Boehringer & Reuss, Cannstadt, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Certain named medicines and toilet preparations. 27,318; renewed Nov. 26, 1925.

Bohlander, John, doing business as I P O H Chemical Company, Cincinnati, Ohio. Iodine peroxide of hydrogen. 206,564; Dec. 8; Serial No. 212,368; published Sept. 8, 1925.

Bouquet, Elias, Lake Charles, La. Medicine for headaches and rheumatic affections. 206,826; Dec. 8; Serial No. 217,203; published Sept. 22, 1925.

Bradley Manufacturing Co., New York, N. Y. Preparation for the relief of dyspepsia, etc. 206,761; Dec. 8; Serial No. 217,813; published Sept. 22, 1925.

Bradley, Mary C., Chicago, Ill. Candy. 206,601; Dec. 8; Serial No. 218,788; published Sept. 29, 1925.

Brady, T. W., & Co., assignor to The Meriden Creamery Company, Kansas City, Mo. Dairy products. 27,741; renewed Feb. 4, 1926.

Bridges, Ford E., doing business as B. B. Gum & Company, Tulsa, Okla. Chewing gum. 206,696; Dec. 8; Serial No. 215,436; published Sept. 8, 1925.

Brookman Manufacturing Company, Chicago, Ill. Lye and potash. 49,181; renewed Jan. 30, 1926.

Brown, John H., Philadelphia, Pa. Medicine for rheumatism. 206,580; Dec. 8; Serial No. 217,984; published Sept. 29, 1925.

Buffalo Scale Co., assignor to Buffalo Scale Company, Inc., Buffalo, N. Y. Weighing or measuring scales. 27,464; renewed Dec. 10, 1925.

Burger Iwan, Inc., New York, N. Y. Canned fish. 206,698; Dec. 8; Serial No. 212,231; published Sept. 22, 1925.

Burger Stamping & Spinning Mfg. Co. Inc., Buffalo, N. Y. Ash trays. 206,820; Dec. 8; Serial No. 218,597; published Oct. 6, 1925.

Burkhardt, Frederic T., Holyoke, Mass. Writing paper. 206,867; Dec. 8.

Burns, David F., doing business as The Nimro Company, Boston, Mass. Fly-repelling preparation. 206,576; Dec. 8; Serial No. 218,162; published Sept. 29, 1925.

Cadet Knitting Company. (See Oneida Hosiery Company, assignor.)

Canamar, Indalecio, doing business as Sun Drug Store, San Antonio, Tex. General and stimulating tonics, olive oil, liniment, medicine for diabetes, etc. 206,748; Dec. 8; Serial No. 200,477; published Sept. 22, 1925.

Candy Supply Co., The. (See Goody Mints of America, Inc.)

Cape-Chemical Company. (See Capecelatro, Ettore.)

Capecelatro, Ettore, doing business as Cape-Chemical Company, Springfield, Mass. Medicine for rheumatism, asthma, etc. 206,671; Dec. 8; Serial No. 218,103; published Sept. 15, 1925.

Cardine Harvest Hat Company, St. Louis, Mo. Straw hats. 206,813; Dec. 8; Serial No. 218,291; published Sept. 29; 1925.
Carborundum Company, The, Niagara Falls, N. Y. Abradant. 49,394; renewed Feb. 6, 1926.
Carborundum Company, The, New York, N. Y. Carborundum abrasive material. 50,104; renewed Mar. 6, 1926.
Carew Manufacturing Co. (See Hampshire Paper Co., assignor.)
Catoir Silk Co. Inc., New York, N. Y. Gentlemen's dress and dinner waistcoats. 206,724; Dec. 8; Serial No. 203,873; published Sept. 8, 1925.
Central Wholesale Grocers, Chicago, Ill. Canned fruits and vegetables and mincemeat. 206,719; Dec. 8; Serial No. 163,379; published Sept. 1, 1925.
Century Wood Preserving Company, Pittsburgh, Pa. Timber, lumber, poles, posts, etc. 206,641; Dec. 8; Serial No. 209,023; published Aug. 25, 1925.
Cervelli, Guido J., San Francisco, Calif. Preparation to be used in the treatment of heartburn, gas, nausea, etc. 206,663; Dec. 8; Serial No. 217,696; published Sept. 8, 1925.
Chemical Foundation, Incorporated, The. (See Boehringer & Reuss, assignors.)
Chemical Foundation, Incorporated, The. (See Chemische Fabrik Rhenania, assignor.)
Chemical Foundation, Incorporated, The. (See Hartmann & Hauers, assignors.)
Chemical Foundation, Incorporated, The. (See Mack, Heinrich, assignor.)
Chemical Foundation, Incorporated, The. (See Merck, Firm of E., assignor.)
Chemical Products Corporation, Detroit, Mich. Chemical preparation adapted to be applied to steel to clean the same, etc. 206,654; Dec. 8; Serial No. 216,017; published Sept. 8, 1925.
Chemische Fabrik Rhenania, Aix-la-Chapelle, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Tetrajodphenolphtalein, an antiseptic substance. 27,454; renewed Dec. 10, 1925.
Chemische Werke Grenzach Aktiengesellschaft, Grenzach, Germany. Alkaloids, analgesics, anæsthetics, anodynes, etc. 206,557; Dec. 8; Serial No. 202,927; published Sept. 8, 1925.
Cheney, H. M., doing business as F. J. Cheney & Co., Toledo, Ohio. Preparation for the treatment of catarrh. 206,669; Dec. 8; Serial No. 217,999; published Sept. 15, 1925.
Citizens' Wholesale Supply Co., assignor to The Citizens' Wholesale Supply Company, Columbus, Ohio. Spices, flavoring extracts, and manufactured coconut. 27,817; renewed Feb. 18, 1926.
Clamp-Swing Pricing Co. (See Garfinkle, David.)
Clarks Products Inc., Binghamton, N. Y. Cold creams, lemon cream, tissue builder, face lotions, and face powder. 206,834; Dec. 8; Serial No. 216,506; published Sept. 22, 1925.
Cleveland Gas Burner & Appliance Company, The, Cleveland, Ohio. Gas burners. 206,856; Dec. 8.
Cluett, Peabody & Co. Inc., Troy, N. Y. Negligee and dress shirts. 206,574; Dec. 8; Serial No. 218,245; published Sept. 29, 1925.
Cluett, Peabody & Co. Inc., Troy, N. Y. Dress and negligee shirts. 206,855; Dec. 8.
Coal Hill Mining Company, Inc., Dubois, Pa. Coal. 206,760; Dec. 8; Serial No. 217,817; published Sept. 22, 1925.
Cohen, Herman, doing business as The Haroko Co., Brooklyn, N. Y. Medicine for rheumatism, lumbago, and kindred ailments. 206,825; Dec. 8; Serial No. 217,209; published Sept. 22, 1925.
Colcombet F. & Cie., Societe Anonyme, St. Etienne, France. Ribbons, velvets, and silks in the piece. 206,793; Dec. 8; Serial No. 210,829; published Sept. 29, 1925.
Coon, W. B., Co., Rochester, N. Y. Boots and shoes. 206,758; Dec. 8; Serial No. 216,507; published Sept. 29, 1925.
Cooper, Wells & Co., St. Joseph, Mich. Hosiery. 50,780; renewed Mar. 27, 1926.
Corrado Bros., New York, N. Y. Canned tomatoes. 206,603; Dec. 8; Serial No. 217,819; published Sept. 29, 1925.
Crane Chocolate Co., The, Cleveland, Ohio. Candy. 206,599; Dec. 8; Serial No. 218,739; published Sept. 29, 1925.
Crane, Milo A., doing business as The O-Joy Products Co., Elmhurst, Ill. Natural fruit laxative. 206,762; Dec. 8; Serial No. 217,698; published Sept. 22, 1925.
Crawford Remedy Co., Edwardsport, Ind. Lung and nerve preparation. 206,636; Dec. 8; Serial No. 165,748; published Sept. 15, 1925.
Crossley, William, New York, N. Y., doing business as D. Crossley & Sons, New York, London, Liverpool and Glasgow. Fresh apples. 206,877; Dec. 8.
Crystal Candy Company, Winston-Salem, N. C. Candy. 206,600; Dec. 8; Serial No. 218,740; published Sept. 29, 1925.
Crystal Chemical Company Inc., The, New York, N. Y. Preparation for coughs and all inflammatory conditions of the throat, chest, and lungs. 206,672; Dec. 8; Serial No. 218,105; published Sept. 15, 1925.
Dallas Manufacturing Co., The, Huntsville, Ala. Cotton piece goods. 206,708; Dec. 8; Serial No. 211,982; published June 23, 1925.
Daly, John J., Boston, Mass. Shoes. 206,774; Dec. 8; Serial No. 214,462; published Sept. 29, 1925.
Dawson, Fred L., Los Angeles, Calif. Preparation used in the treatment of pyorrhea. 206,803; Dec. 8; Serial No. 218,249; published Sept. 22, 1925.
Decker, Dr., Medicine Co., assignor to McNeill & Mutter, Inc., Paterson, N. J. Remedy for chills, fever and ague, and malarial diseases. 50,365; renewed Mar. 13, 1926.
De Mir, Leila, Santa Monica, Calif. Depilatory powder. 206,809; Dec. 8; Serial No. 218,742; published Sept. 22, 1925.
De Miracle Chemical Co., New York, N. Y. Hair remover. 48,207; renewed Dec. 19, 1925.
Denney & Denney, Philadelphia, Pa. Face powders, packs, and creams, perfumes, rouges, etc. 206,605; Dec. 8; Serial No. 217,548; published Sept. 8, 1925.
Denning, Joseph M., doing business as Illinois Wire & Manufacturing Co., Joliet, Ill. Picket fencing. 206,837; Dec. 8; Serial No. 216,024; published Sept. 15, 1925.
De Witt, E. C., & Co. Inc., New York, N. Y. Antiseptic and soothing preparation recommended for use in cases of bruises, burns, etc. 206,665; Dec. 8; Serial No. 217,762; published Sept. 8, 1925.
Dolly Varden Hat Co. (See Magnus, Eugene E.)
Dorwin Springs Sand & Stone Company, Syracuse, N. Y. Sand. 206,866; Dec. 8.
Dougal, Bros., London, England. Matches. 206,817; Dec. 8; Serial No. 218,743; published Oct. 6, 1925.
Dovan Chemical Corporation, New York, N. Y. Chemicals for compounding rubber. 206,594; Dec. 8; Serial No. 218,452; published Sept. 29, 1925.
Duncan, Fox & Co., Inc., New York, N. Y. Insecticides. 206,732; Dec. 8; Serial No. 214,242; published Sept. 15, 1925.
Duplex Manufacturing Company, St. Louis, Mo. Drums. 49,851; renewed Feb. 20, 1926.
Durand-McNeil-Horner Co., Chicago, Ill. Wheat flour, peanut butter, honey, candy, olives, etc. 206,739; Dec. 8; Serial No. 191,817; published Sept. 29, 1925.
Eagle & Phenix Mills, Columbus, Ga. Cotton piece goods. 50,716; renewed Mar. 27, 1926.
Eaton, Charles A., Company, Brockton, Mass. Men's shoes. 206,727; Dec. 8; Serial No. 211,669; published Sept. 15, 1925.
Edelstein, Albert, doing business as Monte Christo Cosmetic Co., New York, N. Y. Face powders, skin lotions, rouges, etc. 206,607–8; Dec. 8; Serial Nos. 217,702–3; published Sept. 8, 1925.
Edelstein, Albert, doing business as Monte Christo Cosmetic Co., New York, N. Y. Face powders, packs, and creams, skin lotions, rouges, etc. 206,664; Dec. 8; Serial No. 217,701; published Sept. 8, 1925.
Eglington, F., Walsall, England. Bits, spurs, stirrups, buckles, rings, terrets, and hames. 48,211; renewed Dec. 19, 1925.
Electric Appliance Company, Chicago, Ill. Electrical supplies. 27,468; renewed Dec. 10, 1925.
Elliott Hosiery Company Inc., New York, N. Y. Hosiery. 206,868; Dec. 8.
Elster, Frank, Chicago, Ill. Ointment for eczema, etc. 206,655; Dec. 8; Serial No. 216,031; published Sept. 15, 1925.
Elting Brothers, New York, N. Y. Hosiery and underwear. 206,833; Dec. 8; Serial No. 216,671; published Sept. 22, 1925.
Emphac Company. (See Scheu, Carl L.)
Empire Milling Company, Minneapolis, Minn. Wheat flour. 206,692; Dec. 8; Serial No. 216,263; published Sept. 22, 1925.
Estate Stove Company, The, Hamilton, Ohio. Gas heaters. 206,764; Dec. 8; Serial No. 216,902; published Sept. 22, 1925.
Etablissements Ch. Loonen, Paris, France. Nail files, cuticle knives, and corn knives. 206,860–1; Dec. 8.
Everstyle Skirt Co. (See Weisman & Weisman.)
Faber, Eberhard, New York, N. Y., assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Stationery. 51,227; renewed Apr. 10, 1926.
Fairchild Bros. & Foster. (See Hammer, Edwin H., assignor.)
Fair-Plex Company. (See Plough Chemical Company.)
Falcone, Valentino, doing business as Valentino Mfg. Co., Washington, D. C. Preparation for use as a hairdressing and in the treatment of dandruff, etc. 206,701; Dec. 8; Serial No. 215,213; published Sept. 22, 1925.
Fallston Fire Clay Co., Pittsburgh, Pa. Brick and face brick. 206,792; Dec. 8; Serial No. 211,346; published Sept. 29, 1925.
Falvey, Jerry C., doing business as Metho Chemical Company, El Dorado, Ark. Dandruff and scalp remedy. 206,595; Dec. 8; Serial No. 218,455; published Sept. 29, 1925.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen near Cologne-on-the-Rhine, Germany. Remedies for secondary and tertiary syphilis, angina pectoris, etc. 206,604; Dec. 8; Serial No. 217,825; published Sept. 8, 1925.



Favorite Stove & Range Co., The, Piqua, Ohio. Stoves, furnaces, and ranges. 48,953; renewed Jan. 16, 1926.
Federal Cash Register Company, Kansas City, Mo. Cash registers. 206,810; Dec. 8; Serial No. 218,617; published Sept. 29, 1925.
Federal Products Corporation, Providence, R. I. Gauges, comparators, and dial indicators. 206,808; Dec. 8; Serial No. 218,804; published Sept. 29, 1925.
Federico, Feni, New York, N. Y. Hair tonic. 206,623; Dec. 8; Serial No. 216,592; published Sept. 8, 1925.
Feldman, Max H., Brooklyn, N. Y. Infants' bath robes, buntings, sacks, gowns, and wrappers. 206,699; Dec. 8; Serial No. 215,687; published Sept. 22, 1925.
Felix Mercantile Co. Inc., New York, N. Y. Sanitary napkins. 206,807; Dec. 8; Serial No. 218,808; published Sept. 29, 1925.
Foerderer, Robert H., Incorporated, Philadelphia, Pa. Leather for the uppers of shoes. 48,829; renewed Jan. 16, 1926.
Ford, Luther, & Company, Minneapolis, Minn. Bluing. 206,610–11; Dec. 8; Serial Nos. 217,717–18; published Sept. 8, 1925.
Fownes Brothers & Co. Inc., Gloversville, Amsterdam, and New York, N. Y. Leather gloves. 206,811; Dec. 8; Serial No. 218,359; published Sept. 29, 1925.
Fox River Tractor Co., Appleton, Wis. Tractors and silo fillers. 206,815; Dec. 8; Serial No. 218,847; published Sept. 29, 1925.
Fraizer, Bronson, Cloverdale, Ind. Chemical mixture of paint and powder for a cavity filler for trees and an insecticide and disinfectant. 206,716; Dec. 8; Serial No. 208,586; published Sept. 22, 1925.
Frank Tea & Spice Co., The, doing business as Frank Laboratories, Cincinnati, Ohio. Dry meat cure. 206,734; Dec. 8; Serial No. 214,472; published Sept. 8, 1925.
Frugoli, Domenico, doing business as Frugoli Company, Evanston, Ill. Hair restorer. 206,824; Dec. 8; Serial No. 217,269; published Sept. 22, 1925.
Frutex Products Co., New Haven, Conn., and New York, N. Y. Fruit laxative candies. 206,670; Dec. 8; Serial No. 218,004; published Sept. 15, 1925.
Funnell, Charles L., Yonkers, N. Y. Chemical cleanser for cooling system of internal-combustion engines. 206,590; Dec. 8; Serial No. 218,404; published Sept. 29, 1925.
Garfinkle, David, doing business as Clamp-Swing Pricing Co., Alameda, Calif. Price-card holders. 206,876; Dec. 8.
Garment Center Fibre Container Corp., New York, N. Y. Paper or pasteboard shipping boxes. 206,772; Dec. 8; Serial No. 215,978; published Sept. 29, 1925.
General Match Co., The, Reading, Cincinnati, Ohio. Matches. 206,819; Dec. 8; Serial No. 218,696; published Oct. 6, 1925.
General Metals Refining Company, St. Louis, Mo. Slab zinc and spelter. 206,804; Dec. 8; Serial No. 219,069; published Sept. 29, 1925.
Given, John M., Company, The, New York, N. Y.; Chicago, Ill.; and Pittsburgh, Pa. Hosiery. 206,846; Dec. 8; Serial No. 217,553; published Sept. 22, 1925.
Goff, Milton G., doing business as Premier Manufacturing Co., Detroit, Mich. Knife sharpeners. 206,863; Dec. 8.
Goldberg, Bowen & Lebenbaum, assignor to Goldberg, Bowen & Co., San Francisco, Calif. Rice. 26,970; renewed Aug. 20, 1925.
Golden Eagle Remedy Co., Boulder, Colo. Lung tea, stomach powders, etc. 206,652; Dec. 8; Serial No. 215,148; published Sept. 15, 1925.
Goody Mints of America, Inc., also doing business as The Candy Supply Co., Newark, N. J. Candy. 206,736; Dec. 8; Serial No. 216,038; published Aug. 4, 1925.
Gregory, A. B., San Francisco, Calif. Soluble sulphur compound for soil treatment. 206,609; Dec. 8; Serial No. 217,707; published Sept. 8, 1925.
Grinnell Willis & Co., assignor, by mesne assignments, to Ridley Watts & Co., New York, N. Y. Shirtings, sheetings, cambrics, and long cloth. 50,172; renewed Mar. 6, 1926.
Grinnell Willis & Co., assignor, by mesne assignments, to Ridley Watts & Co., New York, N. Y. Shirtings and sheetings, cambrics, and long cloth. 50,309–12; renewed Mar. 6, 1926.
Grinnell Willis & Co., assignor, by mesne assignments, to Ridley Watts & Co., New York, N. Y. Shirtings and sheetings, cambrics, and long cloth. 50,314–20; renewed Mar. 6, 1926.
Grinnell Willis & Co., assignor, by mesne assignments, to Ridley Watts & Co., New York, N. Y. Shirtings and sheetings, cambrics, and long cloth. 50,436; renewed Mar. 13, 1926.
Guaranty Shirt Co., New York, N. Y. Men's and boys' shirts. 206,859; Dec. 8.
Gulfport Grocery Company, Gulfport, Miss. Corn meal. 50,444; renewed Mar. 20, 1926.
Haggenjos, John, St. Louis, Mo. Memorial tablets. 206,785; Dec. 8; Serial No. 217,092; published Sept. 29, 1925.
Hahne & Company, Newark, N. J. Hosiery. 206,688; Dec. 8; Serial No. 216,904; published Sept. 29, 1925.
Hale, Ira D., doing business as C. H. Weaver & Co., Chicago, Ill. Fresh cantaloupes. 206,632; Dec. 8; Serial No. 217,026; published Sept. 8, 1925.
Hall, Francis A., Minneapolis, Minn. Preparation for the treatment of tuberculosis, flu, coughs, etc. 206,706; Dec. 8; Serial No. 213,303; published Sept. 22, 1925.
Hall, Hartwell & Co. Inc., Troy, N. Y. Collars and dress, negligee, and work shirts. 206,679; Dec. 8; Serial No. 217,342; published Sept. 29, 1925.
Halle, Phil. A., Incorporated, Memphis, Tenn. Hats. 206,836; Dec. 8; Serial No. 216,043; published Sept. 15, 1925.
Haller Company, The, Blair, Nebr. Medicinal preparations for the prevention and treatment of poultry diseases. 206,596; Dec. 8; Serial No. 218,458; published Sept. 29, 1925.
Hamburgh Canning Company, Hamburg, N. Y. Canned goods. 27,443; renewed Dec. 10, 1925.
Hammer, Edwin H., assignor, by mesne assignments, to Fairchild Bros. & Foster, New York, N. Y. Restorative. 27,564; renewed Dec. 31, 1925.
Hampshire Paper Co. assignor to Carew Manufacturing Co., South Hadley Falls, Mass. Fine writing paper. 27,475; renewed Dec. 17, 1925.
Hampton, Henry A., doing business as Sunshine Breath Co., West Frankfort, Ill. Breath deodorants. 206,571; Dec. 8; Serial No. 215,370; published Sept. 8, 1925.
Handelman, J., & Son, New York, N. Y. Furs. 206,832; Dec. 8; Serial No. 216,676; published Sept. 29, 1925.
Hanover Canning Company, Hanover, Pa. Canned vegetables. 206,598; Dec. 8; Serial No. 218,638; published Sept. 29, 1925.
Hardwick & Magee Company, Philadelphia, Pa. Textile carpets and rugs. 206,780; Dec. 8; Serial No. 217,708; published Sept. 29, 1925.
Haroko Co., The. (See Cohen, Herman.)
Harrower Laboratory, Inc., The, Wilmington, Del., and Glendale, Calif. Solutions of mono-endocrine proteins for hypodermic injections. 206,831; Dec. 8; Serial No. 216,722; published Sept. 22, 1925.
Hartmann & Hauers, Hanover, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Chemical products and colors for use as disinfectants. 27,391; renewed Dec. 8, 1925.
Haskins Bros. & Co., Sioux City, Iowa, and Omaha, Nebr. Toilet and laundry soap. 49,053; renewed Feb. 13, 1926.
Haskins Brothers & Company. (See Bailey, Charles R., assignor.)
Hattervig, Osmond O., Viborg, S. Dak. Veterinary remedy. 49,096; renewed Jan. 23, 1926.
Hecht Company, The. (See Hub, The.)
Heller, I. G., & Sons, Chicago, Ill. Ladies' and misses' dresses, coats, and costumes. 206,879; Dec. 8.
Helmholz Shoe Mfg. Co., Cudahy, Milwaukee, Wis. Boots and shoes. 206,566; Dec. 8; Serial No. 213,642; published Sept. 8, 1925.
Helmholz Shoe Mfg. Co., Cudahy, Milwaukee Wis. Boots and shoes. 206,731; Dec. 8; Serial No. 213,641; published Sept. 8, 1925.
Henry, Beulah L., New York, N. Y. Soap sponges. 206,749–51; Dec. 8; Serial Nos. 201,345–7; published Sept. 29, 1925.
Heppenstall Forge & Knife Company, Pittsburgh, Pa. Trimmer steel. 206,805; Dec. 8; Serial No. 219,034; Sept. 29, 1925.
Herbert & Herbert, Inc., Perth Amboy, N. J. Insecticides and fungicides. 206,722; Dec. 8; Serial No. 202,453; published Sept. 8, 1925.
Higginsville Milling Company, The, Higginsville, Mo. 27,820; renewed Feb. 18, 1926.
Hijos de C. Albo, Santona, Spain. Anchovies. 206,553; Dec. 8; Serial No. 192,513; published Aug. 25, 1925.
Hirschauer Specialty Co. Inc., Sioux City, Iowa. Live-stock remedies. 206,628; Dec. 8; Serial No. 216,908; published Sept. 15, 1925.
Hoode Laborartories. (See Seltzer, Robert H.)
Hoopman, Aldus A., doing business as The Mentholdyne Company, Seattle, Wash. Anodyne antiseptic. 206,629; Dec. 8; Serial No. 216,909; published Sept. 15, 1925.
Hub, Henry C. Lytton & Sons, The, Chicago, Ill. Scarfs, bath robes, hosiery, sweaters, etc. 206,878; Dec. 8.
Hub, The, Baltimore, Md., also doing business as The Hecht Company, Washington, D. C. Boys' suits. 206,575; Dec. 8; Serial No. 218,123; published Sept. 29, 1925.
Hubinger, J. C., Bros. Co., assignor to The J. C. Hubinger Bros. Co., Keokuk, Iowa, and New Haven, Conn. Starch. 26,882; renewed July 30, 1925.
Hudnut's, R., Pharmacy, assignor to Richard Hudnut, New York, N. Y. Toilet water. 49,485; renewed Feb. 6, 1926.
Hunt Brothers Packing Company., San Francisco, Calif. Canned fruits and canned vegetables. 206,728; Dec. 8; Serial No. 213,088; published July 21, 1925.
Hunt, Helm, Ferris & Co., Harvard, Ill. Metal stalls, curb clamps, alignment devices, etc. 206,738; Dec. 8; Serial No. 189,786; published Mar. 3, 1925.
Hurley, Horace O., assignor to H. O. Hurley Company, Louisville, Ky. Medicines. 50,548; renewed Mar. 20, 1926.
Hygienic Sanitation Company, Philadelphia, Pa. Insecticide, disinfectant, and deodorant. 206,597; Dec. 8; Serial No. 218,459; published Sept. 29, 1925.
I P O H Chemical Company. (See Bohlander, John.)

I. T. S. Rubber Co. Ltd., London, England. Heels, tips, soles, and pads for boots and shoes. 206,775; Dec. 8; Serial No. 214,163; published Sept. 29, 1925.
Ideal Bleaching Water Co., San Francisco, Calif. Bleaching waters. 206,606; Dec. 8; Serial No. 217,559; published Sept. 29, 1925.
Illinois Wire & Manufacturing Co. (See Denning, Joseph M.)
Ima Products Corporation, Los Angeles, Calif. Medicinal preparation for the treatment of sprains, bruises, etc. 206,591; Dec. 8; Serial No. 218,413; published Sept. 29, 1925.
Independence Coffee and Spice Co., The, Pueblo; The Independence Coffee and Spice Co., Denver, Colo. Coffee. 50,299; renewed Mar. 6, 1926.
Inpefesso Medicine Co., The. (See Wyszynski, Walter H.)
Iowa Soap Company, Burlington, Iowa. Pumice soap. 50,071; renewed Mar. 6, 1926.
Iroquois Canning Corporation, Onarga, Ill. Canned corn. 206,725; Dec. 8; Serial No. 208,145; published Apr. 28, 1925.
Janover, Hiram J., New York, N. Y. Hosiery. 206,857; Dec. 8.
Jeffres, Harry J., doing business as Jeffco Products Co., Baltimore, Md. Vanishing cream. 206,667; Dec. 8; Serial No. 217,934; published Sept. 15, 1925.
Johnson & Johnson, New Brunswick, N. J. Flat dental floss. 206,816; Dec. 8; Serial No. 218,816; published Sept. 29, 1925.
Joost Thooft & Labouchere, assignor to Naamlooze Vennootschap Koninklijke Delftsch Aardewerkfabriek "De Porceleijne Fles" voorheen Joost Thooft & Labouchere, Delft, Netherlands. Delft ware. 27,287; renewed Nov. 19, 1925.
Kalbitzer, C., Packing Company, The, Wheeling, W. Va. Pork sausage. 206,562; Dec. 8; Serial No. 208,852; published Sept. 29, 1925.
Kalle and Company, Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Pharmaceutical and therapeutical preparations. 206,674; Dec. 8; Serial No. 218,185; published Sept. 15, 1925.
Kalle and Company, Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Pharmaceutical and therapeutical preparations. 206,802; Dec. 8; Serial No. 218,186; published Sept. 22, 1925.
Kant-Skore Piston Company, The, Cincinnati, Ohio. Pistons. 206,768; Dec. 8; Serial No. 216,465; published Sept. 22, 1925.
Kathreiner's Malzkaffee-Fabriken mit Beschränkter Haftung, Munich, Uerdingen, and Berlin, assignor to Kathreiner's Malzkaffee-Fabriken Gesellschaft mit Beschränkter Haftung, Berlin, Germany. Coffee substitutes. 27,437; renewed Dec. 8, 1925.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Hosiery and garters. 206,842; Dec. 8; Serial No. 217,715; published Sept. 22, 1925.
Keasbey & Mattison Company, Ambler, Pa. Packings. 49,526; renewed Feb. 6, 1926.
Kellogg Toasted Corn Flake Co., assignor to Kellogg Company, Battle Creek, Mich. Castor oil. 206,720; Dec. 8; Serial No. 172,886; published Mar. 31, 1925.
Kelly Bros. Co., Inc., Hood River, Oreg. Fresh apples in boxes. 206,795–6; Dec. 8; Serial Nos. 207,997–8; published Sept. 1, 1925.
Kemitex Products Company, The, Akron, Ohio. Window-shade cloth. 206,791; Dec. 8; Serial No. 211,936; published Oct. 6, 1925.
Kemp, W. H., Co. New York, N. Y. Powdered paints. 46,559; renewed Sept. 26, 1925.
Kentucky Alcohol Corporation. (See American Spirits Manufacturing Co., assignor.)
Kentucky Distilleries & Warehouse Co. (See Mellwood Distillery Company, The, assignor.)
Keystone Leather Co., Philadelphia, Pa. Glazed and dull or "mat" kid. 50,008; renewed Feb. 27, 1926.
Kickapoo Indian Medicine Co., The, Clintonville, Conn., assignor to Kickapoo Medicine Co., Incorporated, New York, N. Y. Cough cure. 50,565; renewed Mar. 20, 1926.
Kiefer, C. J., doing business as White Cross Cholera Control Company, Walnut, Ill. Medicine for use in the treatment of cholera, etc. 206,829; Dec. 8; Serial No. 217,099; published Sept. 22, 1925.
Kilmer, Dr., & Co., Binghamton, N. Y. Proprietary medicine. 49,156; renewed Jan. 23, 1926.
Kilmer, Dr., & Co., Binghamton, N. Y. Preparations for the treatment of diseases peculiar to women. 206,695; Dec. 8; Serial No. 215,521; published Sept. 29, 1925.
Knoll & Co., assignor to Knoll & Co. A.-G., M. Liestal, Switzerland. Remedy for anemia, chlorosis, megrim, and neuralgia. 26,880; renewed July 23, 1925.
Knox, Edward M., assignor to Knox Hat Company, Inc., New York, N. Y. Hats and caps. 50,790; renewed Mar. 6, 1926.
Koenig Medicine Co., Chicago, Ill. Ointment for the treatment of coughs, colds, bronchitis, etc. 206,624; Dec. 8; Serial No. 216,608; published Sept. 8, 1925.
Koffs, Joseph, Philadelphia, Pa. Foot deodorant. 206,575; Dec. 8; Serial No. 218,187; published Sept. 29, 1925.
Kops Bros. Inc., New York, N. Y. Corsets, brassières, and textile underwear. 206,621; Dec. 8; Serial No. 216,188; published Sept. 8, 1925.
Korach Brothers, Chicago, Ill. Bath robes and ladies' and children's kimonos. 206,847; Dec. 8; Serial No. 217,468; published Sept. 22, 1925.
Kordina, Adalbert, Bautzen, Germany. Preparation for cleaning, cultivating, and coloring the hair, hair washes, and hair oils. 206,849; Dec. 8; Serial No. 217,402; published Sept. 22, 1925.
Kremer, Alexander, New York, N. Y. Tonic laxative preparation. 206,660; Dec. 8; Serial No. 217,565; published Sept. 8, 1925.
Kremer, Alexander, New York, N. Y. Fat-reducing preparation. 206,661; Dec. 8; Serial No. 217,566; published Sept. 8, 1925.
Laclede-Christy Clay Products Company, The, St. Louis, Mo. Refractory-cement blocks. 206,766; Dec. 8; Serial No. 216,610; published Sept. 29, 1925.
Laher Auto Spring Co., Inc., Portland, Oreg. Automobile bumpers. 206,777; Dec. 8; Serial No. 210,174; published Sept. 29, 1925.
Lambertville Rubber Company, Lambertville, N. J. Shoes. 206,800; Dec. 8; Serial No. 218,064; published Sept. 29, 1925.
Langrock Clothing Company, Inc., The, New Haven, Conn. Men's suits, overcoats, pants, etc. 206,582; Dec. 8; Serial No. 217,936; published Sept. 29, 1925.
"L'Appula" Società per l'Industria Chimica Italiana, Barletta and Milan, Italy. Chemical and pharmaceutical products. 206,752; Dec. 8; Serial No. 201,406; published Sept. 22, 1925.
Lauber & Lauber Co., Chicago, Ill. Medicinal preparation. 206,592; Dec. 8; Serial No. 218,420; published Sept. 29, 1925.
Lek-No Mfg. Co. (See Meeker, Claude R.)
Lever Brothers Company, Cambridge, Mass. Product made of glycerin for use in automobile radiators. 206,653; Dec. 8; Serial No. 215,934; published Sept. 8, 1925.
Lever Brothers Company, Cambridge, Mass. Talcum and face powders, cold cream, perfume, etc. 206,737; Dec. 8; Serial No. 216,056; published Sept. 15, 1925.
Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Toilet powder. 206,633; Dec. 8; Serial No. 217,030; published Sept. 15, 1925.
Lilienthals, Inc., Savannah, Ga. Hats for women and children. 206,733; Dec. 8; Serial No. 214,332; published Sept. 1, 1925.
Lindenbaum, Irving D., New York, N. Y. Misses' hats. 206,843; Dec. 8; Serial No. 217,679; published Sept. 15, 1925.
Lindsay, James C., Hardware Co., Pittsburgh, Pa. Hatchets, axes, and adzes. 49,155; renewed Jan. 23, 1926.
Lowell Company, The, New York, N. Y. Face, cleansing, and vanishing creams, face lotions, etc. 206,711; Dec. 8; Serial No. 200,364; published Sept. 22, 1925.
Luddy, John E., doing business as The Windsor Co., Windsor, Conn. Hosiery. 206,579; Dec. 8; Serial No. 218,071; published Sept. 29, 1925.
Lund, Eller C., Buffalo, N. Y. Medicinal plasters adapted to be aplied to a person's back for spinal treatment. 206,625; Dec. 8; Serial No. 216,617; published Sept. 8, 1925.
Lynchburg Shoe Company, Inc., The, Lynchburg, Va. Boots and shoes. 206,640; Dec. 8; Serial No. 208,411; published Sept. 15, 1925.
Lynn, James, doing business as James Lynn Company (Not Inc.), Chicago, Ill. Blackboard erasers. 206,889; Dec. 8.
M. S. Cough Balsam Co. (See Scheinberg, Michael.)
Ma Bell Hats Inc., New York, N. Y. Ladies' and children's hats. 206,823; Dec. 8; Serial No. 217,282; published Sept. 15, 1925.
Mack, Heinrich, Ulm-on-the-Danube and Illertissen, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Perfumery, toilet preparations, powder, etc. 27,568; renewed Dec. 31, 1925.
Mackay, D. S., & Co., New York, N. Y. Worsted and woolen piece goods. 206,787; Dec. 8; Serial No. 216,417; published Sept. 29, 1925.
Magnolia Citrus Association, Porterville, Calif. Fresh citrous fruits. 206,864; Dec. 8.
Magnus, Eugene E., doing business as Dolly Varden Hat Co., San Francisco, Calif. Ladies' and misses' hats. 206,801; Dec. 8; Serial No. 218,130; published Sept. 29, 1925.
Magnus Imports, Ltd., New York, N. Y. Handkerchiefs. 206,769; Dec. 8; Serial No. 216,197; published Sept. 29, 1925.
Malouf, Beshara I., Brooklyn, N. Y. Vacuum cleaners. 206,712; Dec. 8; Serial No. 206,791; published Sept. 22, 1925.
Manatawny Products Company, Pottstown, Pa. Antiseptic ointment. 206,666; Dec. 8; Serial No. 217,887; published Sept. 15, 1925.
Marone, E., & Co., Turin, Italy. General medicinal tonic. 206,638; Dec. 8; Serial No. 203,278; published Sept. 15, 1925.
Marshall Field & Company, Chicago, Ill. Shoes. 206,787; Dec. 8; Serial No. 216,519; published Sept. 22, 1925.
Martí y Gutiérrez, Alcala de Guadaira, Seville, Spain. Olive oil. 206,552; Dec. 8; Serial No. 181,203; published Sept. 29, 1925.



Marvell Pharmacal Co. Inc., The, New York, N. Y. Sterile solutions for intramuscular and intravenous injections. 206,705; Dec. 8; Serial No. 213,848; published Sept. 22, 1925.
Masland, C. H., & Sons, Philadelphia, Pa. Textile rugs. 206,784; Dec. 8; Serial No. 217,168; published Oct. 6, 1925.
Massachusetts Cotton Mills, Lowell; Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton piece goods. 48,285; renewed Dec. 19, 1925.
Master Shirt Company. (See Weinberg, Aaron.)
Mathieson Alkali Works, The, New York, N. Y. Lye. 206,630; Dec. 8; Serial No. 216,920; published Sept. 15, 1925.
Mattes, Leo A., Berkeley, Calif. Ant poison. 206,721; Dec. 8; Serial No. 200,054; published Oct. 28, 1924.
Maurice, R., & Co., Limited, London, England. Biscuits. 206,841; Dec. 8; Serial No. 217,941; published Sept. 22, 1925.
Mauser-Werke Aktiengesellschaft, Oberndorf-on-the-Neckar, Germany. Clamps, pliers, wrenches, etc. 206,710; Dec. 8; Serial No. 197,550; published Sept. 15, 1925.
McAdams, I. F., Jefferson, Tex. Preparation for sore mouth and black tongue in dogs. 206,828; Dec. 8; Serial No. 217,103; published Sept. 22, 1925.
McBrady, John E., doing business as J. E. McBrady & Company, Chicago, Ill. Preparation used to prevent sunburn. 206,631; Dec. 8; Serial No. 216,921; published Sept. 15, 1925.
McCreery, James, & Company, New York, N. Y. Women's and misses' underwear. 206,685; Dec. 8; Serial No. 217,104; published Sept. 29, 1925.
McHenry Millhouse Mfg. Co., Inc., South Bend, Ind. Asphalt roofing shingles. 206,786; Dec. 8; Serial No. 217,034; published Sept. 29, 1925.
McNeill & Mutter, Inc. (See Decker, Dr., Medicine Co., assignor.)
Meeker, Claude R., doing business as Lek-No Mfg. Co., Pana, Ill. Compound for mending leaks. 206,634; Dec. 8; Serial No. 217,106; published Sept. 15, 1925.
Meier & Frank Co., Portland, Oreg. Perfumery, toilet powder, talcum powder, and rouge. 206,675; Dec. 8; Serial No. 218,194; published Sept. 15, 1925.
Meisel Galland Company, Brooklyn, N. Y. Fur dye. 206,714; Dec. 8; Serial No. 207,941; published Sept. 22, 1925.
Meisel Galland Company, Brooklyn, N. Y. Fur dye. 206,715; Dec. 8; Serial No. 207,943; published Sept. 22, 1925.
Mellwood Distillery Company, The, Louisville, Ky., assignor to Kentucky Distilleries & Warehouse Co., New York, N. Y. Whisky. 27,770; renewed Feb. 11, 1926.
Mellwood Distillery Company, The, Louisville, Ky., assignor to Kentucky Distilleries & Warehouse Co., New York, N. Y. Whisky. 27,959; renewed Mar. 17, 1926.
Mellwood Distillery Co., Louisville, Ky., assignor to Kentucky Distilleries & Warehouse Co., New York, N. Y. Whisky. 28,037; renewed Mar. 31, 1926.
Mendleson, A., & Sons, assignors to H. T. Babbitt, Albany, N. Y. Potash and lye. 26,908; renewed Aug. 6, 1925.
Mentholdyne Company, The. (See Hoopman, Aldus A.)
Merck, Firm of E., Darmstadt, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Soporifics. 27,388–9; renewed Dec. 3, 1925.
Meriden Creamery Company, The. (See Brady, T. W., & Co., assignor.)
Metho Chemical Company. (See Falvey, Jerry C.)
Metz, H. A., Laboratories, Inc., New York, N. Y. Remedies for amebic dysentery and spirochetal diseases. 206,659; Dec. 8; Serial No. 216,791; published Sept. 15, 1925.
Meyer, S. N., Inc., Washington, D. C. Shoes. 206,771; Dec. 8; Serial No. 215,990; published Sept. 22, 1925.
Milkie, Asad G., New York, N. Y. Salve or ointment for eczema. 206,569; Dec. 8; Serial No. 214,608; published Sept. 29, 1925.
Millin Drug Company, Wilmington, Del., and Memphis, Tenn. Perfumes, rouge, face powders, shampoos, and face lotions. 206,646; Dec. 8; Serial No. 213,450; published Sept. 8, 1925.
Milson Co., The, Cincinnati, Ohio. Perfumes, toilet waters, face powders, talcum powder, etc. 206,827; Dec. 8; Serial No. 217,173; published Sept. 22, 1925.
Mission Hosiery Mills, Los Angeles, Calif. Hosiery. 206,704; Dec. 8; Serial No. 215,085; published Sept. 22, 1925.
Monsanto Chemical Works, St. Louis, Mo. Acetyl salicylic acid. 206,612; Dec. 8; Serial No. 217,724; published Sept. 8, 1925.
Monsanto Chemical Works, St. Louis, Mo. Germicides disinfectants, deodorants, and chloramine T. 206,613; Dec. 8; Serial No. 217,725; published Sept. 8, 1925.
Monte Christo Cosmetic Co. (See Edelstein, Albert.)
Moon Brothers Manufacturing Company, St. Louis, Mo. Motor-vehicle steering devices and parts thereof. 206,782; Dec. 8; Serial No. 217,284; published Sept. 29, 1925.
Moore, Thomas, Minneapolis, Minn. Beverages sold as soft drinks and sirups for making same. 206,853; Dec. 8.
Morgan Sash & Door Company, Chicago, Ill. Windows, doors, blinds, moldings, etc. 206,783; Dec. 8; Serial No. 217,175; published Sept. 29, 1925.
Morgenstern & Company, New York, N. Y. Bay rum, shampoo, perfume, rouge, etc. 206,822; Dec. 8; Serial No. 217,357; published Sept. 22, 1925.
Mulford, H. K., Company, Philadelphia, Pa. Effervescent sodium-phosphate compound. 205,586; Dec. 8; Serial No. 218,366; published Sept. 29, 1925.
Mulford, H. K., Company, Philadelphia, Pa. Colloidal preparation of a silver protein. 206,587; Dec. 8; Serial No. 218,368; published Sept. 29, 1925.
Myers, F. E., & Bro. Co., The, Ashland, Ohio. Hay tools. 206,744; Dec. 8; Serial No. 158,783; published Dec. 2, 1924.
Mylish, Mann & Drucker, Philadelphia, Pa. Men's dress shirts. 206,707; Dec. 8; Serial No. 212,843; published Sept. 29 1925.
Naamlooze Vennootschap Koninklijke Delftsch Aardewerkfabriek "De Porceleijne Fles" voorheen Joost Thooft & Labouchere. (See Joost Thooft & Labouchere, assignors.)
Natelson, Meyer, doing business as The Slumberland Mfg. Co., New York, N. Y. Pyjamas and nightshirts. 206,757; Dec. 8; Serial No. 209,933; published Sept. 22, 1925.
National Casket Co., Hoboken, N. J., assignor to National Casket Company, Incorporated, New York, N. Y. Burial caskets, coffins, and fixtures therefor. 49,441; renewed Feb. 6, 1926.
New England Confectionery Company. (See Wright & Moody, assignor.)
Newman, Geo. A., Co., assignor to Newman Pharmacal Company, Louisville, Ky. Nerve and nutritive tonic. 51,234; renewed Apr. 10, 1926.
Nimro Company, The. (See Burns, David F.)
Norddeutsche Wollkämmerei & Kammgarnspinnerei, Bremen, Germany. Woolen yarn. 206,788; Dec. 8; Serial No. 216,070; published Sept. 29, 1925.
Norio Company, The, San Francisco, Calif. Bean and rice pastes. 206,693; Dec. 8; Serial No. 216,205; published Sept. 29, 1925.
Nu-Art Laboratories Inc., South Orange, N. J. Depilatory. 206,839; Dec. 8; Serial No. 215,942; published Sept. 22, 1925.
O-Joy Products Co., The. (See Crane, Milo A.)
Oberheim & Co., New York, N. Y. Lotion for removing wrinkles. 206,614; Dec. 8; Serial No. 217,731; published Sept. 8, 1925.
Oberlin Manufacturing Company, The, Oberlin, Ohio. Drill chucks. 206,818; Dec. 8; Serial No. 218,715; published Sept. 29, 1925.
Oneida Hosiery Company, Oneida, N. Y., assignor to Cadet Knitting Company, Philadelphia, Pa. Hosiery. 50,943; renewed Apr. 3, 1926.
Optical Chemical Co., La Porte, Ind. Eyedrop. 206,626; Dec. 8; Serial No. 216,633; published Sept. 8, 1925.
Or-Bios Company, Jacksonville, Fla. Perfume, toilet water, face powder, and talcum. 206,648; Dec. 8; Serial No. 214,743; published Sept. 15, 1925.
Orion Pharmacal Co., Los Angeles, Calif. Ointment for general healing purposes. 206,581; Dec. 8; Serial No. 217,952; published Sept. 29, 1925.
Orion Pharmacal Co., Los Angeles, Calif. Medicinal and antiseptic douche. 206,668; Dec. 8; Serial No. 217,954; published Sept. 15, 1925.
Orion Pharmacal Co., Los Angeles, Calif. Liquid antiseptic to be used as a gargle, mouth wash, and throat spray. 206,759; Dec. 8; Serial No. 217,953; published Sept. 22, 1925.
Otis Clapp & Son, Inc., Boston, Mass. Preparation for hypeacidity, indigestion, and flatulence. 206,726; Dec. 8; Serial No. 209,237; published Sept. 15, 1925.
Owl Drug Co., The, assignor to The Owl Drug Company, San Francisco, Calif. Medical compounds. 51,942; renewed Apr. 24, 1926.
Parfumerie Roger & Gallet, Paris, France. Cosmetics, pastes, powders, and toilet preparations, and perfumery. 206,644; Dec. 8; Serial No. 212,198; published Sept. 15, 1925.
Parke, L. H., & Co., assignor to L. H. Parke Company, Philadelphia, Pa. Prepared coffee. 27,938; renewed Mar. 10, 1926.
Pen-I-Sauken Silk Mill Maple Shade, N. J., and New York, N. Y. Crêpe satin in the piece. 206,778; Dec. 8; Serial No. 218,138; published Sept. 29, 1925.
Petterson, Oscar G., assignor to Oscar G. Petterson Company, Cambridge, Mass. Bread. 26,702; renewed June 18, 1925.
Phenodine Chemical Mompany. (See Walsh, William M., jr.)
Pickett, James H., New Bedford, Mass. Liniment. 206,728; Dec. 8; Serial No. 203,090; published Sept. 15, 1925.
Pleasant Valley Wine Co., Rheims, N. Y. Wine. 50,335; renewed Mar. 13, 1926.
Plough Chemical Company, doing business as Fair-Plex Company, Memphis, Tenn. Toilet preparations. 206,709; Dec. 8; Serial No. 178,189; published Sept. 22, 1925.
Polte, Magdeburg, Germany. Machines for producing metal articles of merchandise, hardware, etc., and parts of the foregoing machines. 206,755; Dec. 8; Serial No 208,160; published Sept. 29, 1925.

Power, D., & Sons Limited, Walsall, England. Gloves. 206,773; Dec. 8; Serial No. 215,875; published Sept. 22, 1925.

Premier Malt Sales Corporation, New York, N. Y. Hops. 206,798; Dec. 8; Serial No. 218,021; published Sept. 22, 1925.

Premier Manufacturing Co. (See Goff, Milton G.)

Price Baking Powder Company, Chicago, Ill., assignor to Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y. Baking powder. 49,006; renewed Jan. 16, 1926.

Price Baking Powder Company, Chicago, Ill., assignor to Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y. Baking powder. 50,421; renewed Mar. 13, 1926.

Purity Chemical Products Company, Santa Rosa, Calif. Poultry disinfectants and insecticides, etc. 206,830; Dec. 8; Serial No. 216,934; published Sept. 22, 1925.

Purox Company, Denver, Colo. Liquid oxygen and oxygen manufactured by the liquefaction process. 206,713; Dec. 8; Serial No. 207,148; published Sept. 22, 1925.

Purox Company, Denver, Colo. Liquid-oxygen containers. 206,754; Dec. 8; Serial No. 207,149; published Sept. 29, 1925.

Quackenbush Company, Paterson, N. J. Shoes and slippers. 206,874; Dec. 8.

Raffetto, G. B., Inc., New York, N. Y. Fruits preserved in brandied sirups. 206,687; Dec. 8; Serial No. 216,990; published Sept. 29, 1925.

Rahn, Joseph C. W., Clinton, N. Y. Sweater coats. 206,845; Dec. 8; Serial No. 217,580; published Sept. 22, 1925.

Rannou, A., et Cie., Marseille, France. Dates. 206,561; Dec. 8; Serial No. 208,067; published Apr. 21, 1925.

Rector Pharmacal Co. Inc., New York, N. Y. Alcohol rubbing preparation. 206,689; Dec. 8; Serial No. 216,696; published Aug. 18, 1925.

Red Sea Balsam Co., New Bedford, Mass. Medicinal preparation of balsam. 206,656; Dec. 8; Serial No. 216,290; published Sept. 8, 1925.

Redwood Laboratories, The, Redwood Falls, Minn. Tablets for bowel trouble in poultry. 206,697; Dec. 8; Serial No. 217,482; published Sept. 29, 1925.

Reece Folding Machine Company, Boston, Mass. Machines for infolding blanks of fabric or other sheet material. 206,871; Dec. 8.

Reid, Murdoch & Co., Chicago, Ill. Canned fruits, berries, fruit salads, pickles, etc. 206,555; Dec. 8; Serial No. 199,128; published Sept. 29, 1925.

Reiniger, Gebbert & Schall Aktiengesellschaft, Erlangen, Germany. Medical and dental apparatus and appliances. 206,691; Dec. 8; Serial No. 216,359; published Sept. 22, 1925.

Remington Arms Company. (See Union Metallic Cartridge Company, assignor.)

Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Ammunition. 206,741; Dec. 8; Serial No. 197,170; published Sept. 29, 1925.

Renaud et Cie. of America, Boston, Mass. Perfumery. 206,649; Dec. 8; Serial No. 214,817; published Sept. 8, 1925.

Renaud et Cie. of America, Boston, Mass. Rouge. 206,650; Dec. 8; Serial No. 214,820; published Sept. 8, 1925.

Renaud et Cie. of America, Boston, Mass. Chemical compounds. 206,651; Dec. 8; Serial No. 214,821; published Sept. 8, 1925.

Renco Laboratories, Canton, Ohio. Crystalline powder. 206,821; Dec. 8; Serial No. 217,364; published Sept. 22, 1925.

Richardson and Richardson, Ironton, Ohio. Medicine for lung trouble, pneumonia, etc. 206,844; Dec. 8; Serial No. 217,635; published Sept. 22, 1925.

Ridley Watts & Co. (See Grinnell Willis & Co., assignor.)

Roessel, Louis, & Co., Inc., New York, N. Y. Silk goods in the piece. 206,781; Dec. 8; Serial No. 217,483; published Oct. 6, 1925.

Rogers, I. B., Company, Danville, Ill. Lice powder. 206,620; Dec. 8; Serial No. 217,799; published Sept. 29, 1925.

Rokeach, I., & Sons, Inc., Brooklyn, N. Y. Vegetable fat. 206,851; Dec. 8.

Rousseau, Emile, Paris, France. Medical tonics and rebuilders, disintoxicants, etc. 206,642–3; Dec. 8; Serial Nos. 209,749–50; published Sept. 15, 1925.

Royal Baking Powder Company. (See Price Baking Powder Company, assignor.)

Safeway Stores, Incorporated, Los Angeles, Calif. Ammonia. 206,662; Dec. 8; Serial No. 217,584; published Sept. 8, 1925.

Sanders, Archibald H., doing business as Sanders Chemical Co., Minneapolis, Minn. Preparations for the treatment of the feet. 206,673; Dec. 8; Serial No. 218,143; published Sept. 15, 1925.

San-I-Sal Laboratories, Inc., Washington, D. C. Laxatives. 206,565; Dec. 8; Serial No. 213,321; published June 23, 1925.

Sawyer Laboratories, The. (See Warner, Woodman Co.)

Scheinberg, Michael, doing business as M. S. Cough Balsam Co., Baldwin, N. Y. Cough mixtures. 206,735; Dec. 8; Serial No. 215,314; published Sept. 15, 1925.

Scheinman, M. S., & Co. Inc., New York, N. Y. Capes, furs, coats, corsets, etc., for women's wear. 206,558; Dec. 8; Serial No. 203,333; published Sept. 29, 1925.

Scheu, Carl L., doing business as Emphac Company, Newark, N. J. Inhalers. 206,806; Dec. 8; Serial No. 218,830; published Sept. 29, 1925.

Schlorer Delicatessen Co., Inc., The, Philadelphia, Pa. Salads and salad dressings, marmalades, etc. 206,865; Dec. 8.

Schrafft, W. F., & Sons, assignor to W. F. Schrafft & Sons Corporation, Boston, Mass. Confectionery. 27,031; renewed Sept. 3, 1925.

Schurmeier-Whiting Company, Minneapolis, Minn. Wagons, trucks, sleighs, sleds, buggies, etc. 206,789; Dec. 8; Serial No. 215,420; published Sept. 29, 1925.

Scott & Bowne, Bloomfield, N. J. Cod-liver oil for dogs. 206,680; Dec. 8; Serial No. 217,302; published Sept. 29, 1925.

Scott & Bowne, Bloomfield, N. J. Cod-liver oil for foxes. 206,681; Dec. 8; Serial No. 217,301; published Sept. 29, 1925.

Scott & Bowne, Bloomfield, N. J. Cod-liver oil for hens. 206,682; Dec. 8; Serial No. 217,300; published Sept. 29, 1925.

Scott & Bowne, Bloomfield, N. J. Cod-liver oil for chickens. 206,683; Dec. 8; Serial No. 217,299; published Sept. 29, 1925.

Seamless Rubber Company, Inc., The, New Haven, Conn. Swimming brassières, household aprons, rubber gloves. 206,835; Dec. 8; Serial No. 216,228; published Sept. 15, 1925.

Seltzer, Robert H., doing business as Hoode Laboratories, Philadelphia, Pa. Medical tonic for dogs. 206,584; Dec. 8; Serial No. 217,836; published Sept. 8, 1925.

Service Motor Truck Co., Wabash, Ind. Motor trucks. 206,718; Dec. 8; Serial No. 138,959; published July 21, 1925.

Sherman & Sons Inc., Louisville, Ky. Men's overcoats and suits. 206,577; Dec. 8; Serial No. 218,145; published Sept. 29, 1925.

Sherr Bros., New York, N. Y. Dresses. 206,573; Dec. 8; Serial No. 218,275; published Sept. 29, 1925.

Silv-O-Lne Corporation, St. Louis, Mo. Chemical bath to prevent tarnish. 206,635; Dec. 8; Serial No. 217,116; published Sept. 15, 1925.

Simmons and Belcher, Lawton, Okla. Medicine for pyorrhea and catarrh. 206,657; Dec. 8; Serial No. 216,566; published Sept. 15, 1925.

Slumberland Mfg. Co., The. (See Natelson, Meyer.)

Smith, Kline & French Company, Philadelphia, Pa. Aromatic cascara, almond cream, eye lotion, etc. 206,615; Dec. 8; Serial No. 217,739; published Sept. 8, 1925.

Smoked Products Company, Cincinnati, Ohio. Salt. 206,585; Dec. 8; Serial No. 218,339; published Sept. 29, 1925.

Smooth-On Manufacturing Company. (See Tompkins, Vreeland, assignor.)

Sprague Warner & Co.; Sprague, Warner & Company, Chicago, Ill., successor. Tea. 26,967; renewed Aug. 20, 1925.

Sprague, Warner & Co.; Sprague, Warner & Company, Chicago, Ill., successor. Canned goods. 27,099; renewed Sept. 24, 1925.

Sprague, Warner & Company, Chicago, Ill. Tea. 51,484; renewed Apr. 17, 1926.

Staskevitch, Joseph, Witherbee, N. Y. Medicine for pneumonia. 206,645; Dec. 8; Serial No. 212,970; published Sept. 15, 1925.

Stern, Jerome L., Tucson, Ariz. Medicine for the treatment of asthma. 206,560; Dec. 8; Serial No. 205,375; published Sept. 29, 1925.

Sun Drug Store. (See Canamar, Indalecio.)

Sunshine Breath Co. (See Hampton, Henry A.)

Suomen Osuuskauppojen Keskuskunta, R. L., Helsingfors, Finland. Safety matches. 206,790; Dec. 8; Serial No. 215,106; published Oct. 6, 1925.

Superior Hat Co., St. Louis, Mo. Harvest, outing, and sport hats. 206,797; Dec. 8; Serial No. 199,657; published Sept. 29, 1925.

Swall, A., & Sons, Tulare, Calif. Fresh prunes. 206,870; Dec. 8.

Takamine, Jokichi, Chicago, Ill., assignor to Takamine Ferment Company, New York, N. Y. Koji, moyashi, diastase, ferments of yeast, and converting agents. 27,401; renewed Dec. 3, 1925.

Thornton & Chester Milling Co., Buffalo, N. Y. Wheat flour. 50,305; renewed Mar. 6, 1926.

Thorpe, Jay, Inc., New York, N. Y. Sachet, bath tablets, toilet water, etc. 206,799; Dec. 8; Serial No. 218,029; published Sept. 22, 1925.

Thorpe, Jay, Inc., New York, N. Y. Toilet powder. 206,812; Dec. 8; Serial No. 218,311; published Sept. 22, 1925.

Tokalon Chemical Corporation, New York, N. Y. Talcum and face powders, sachets, toilet waters, and perfumes. 206,602; Dec. 8; Serial No. 217,805; published Sept. 29, 1925.

Tompkins, Vreeland, assignor to Smooth-On Manufacturing Company, Jersey City, N. J. Chemical compounds. 28,022; renewed Mar. 24, 1926.

Tsaoussis, John N., & Son, New York, N. Y. Medicine for promoting genesis among animals. 206,637; Dec. 8; Serial No. 200,587; published Sept. 15, 1925.



Union Creosote & Oil Company, New York, N. Y. Anti-knock and carbon-removing preparations for fuels. 206,700; Dec. 8; Serial No. 215,664; published Sept. 22, 1925.

Union Metallic Cartridge Company, The, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Cartridges and cartridge shells. 49,607; renewed Feb. 13, 1926.

Valentino Mfg. Co. (See Falcone, Valentino.)

Vertex Hosiery Mills, Inc., Weissport, Pa. Hosiery. 206,588; Dec. 8; Serial No. 218,381; published Sept. 29, 1925.

Vogel, Jacob, & Son, Cincinnati, Ohio. Sugar-cured meats. 28,032; renewed Mar. 31, 1926.

Vulcan Match Co., Inc., New York, N. Y. Matches. 206,742–3; Dec. 8; Serial Nos. 198,096–7; published Sept. 29, 1925.

Wallace, Scott & Co., Limited, Cathcart, Glasgow, Scotland. Overcoats, sporting suits, pull-overs, etc. 206,568; Dec. 8; Serial No. 214,194; published Sept. 29, 1925.

Walsh, William M., jr., doing business as Phenodine Chemical Company, Plainfield, N. J. Composition used as an antiseptic fungicide, deodorant, etc. 206,616; Dec. 8; Serial No. 217,743; published Sept. 8, 1925.

Wanta Mint Company, Baltimore, Md. Candy. 206,677; Dec. 8; Serial No. 217,192; published Sept. 29, 1925.

Warner, Woodman Co. Inc., doing business as The Sawyer Laboratories, Manchester, N. H. Antiseptic tablets. 206,850; Dec. 8; Serial No. 217,378; published Sept. 22, 1925.

Watkins, J. R., Company, The, Winona, Minn. Liquid face powders, face creams and packs, rouges, etc. 206,583; Dec. 8; Serial No. 217,908; published Sept. 29, 1925.

Wear Well Pants Co., Baltimore, Md. Men's coats, vests, pants, and overcoats. 206,702; Dec. 8; Serial No. 215,192; published Sept. 22, 1925.

Weinberg, Aaron, doing business as Master Shirt Company, New York, N. Y. Dress and negligee shirts. 206,854; Dec. 8.

Weinberg, Emanuel M. (See Barkann, M. D., and Weinberg.)

Weisman & Weisman, doing business as Everstyle Skirt Co., New York, N. Y. Ladies' skirts. 206,858; Dec. 8.

Wells-Abbott-Nieman Co. Inc., Schuyler, Nebr. Wheat flour. 206,572; Dec. 8; Serial No. 217,312; published Sept. 29, 1925.

Western Grocer Company, Marshalltown, Iowa. Dried currants, chopped olive meats, mayonnaise dressing, ice cream, etc. 206,690; Dec. 8; Serial No. 216,574; published Sept. 29, 1925.

Western Pine Manufacturers Association, Portland, Oreg. Lumber and millwork, moldings, sash, windows, door frames, etc. 206,756; Dec. 8; Serial No. 209,887; published Sept. 29, 1925.

Wheeler Chemical Company, Chicago, Ill. Lotion for the treatment of skin diseases, eczema, etc. 206,676; Dec. 8; Serial No. 218,226; published Sept. 15, 1925.

White Cross Cholera Control Company. (See Kiefer, C. J.)

Whittemore Brothers Corporation, Cambridge, Mass. Preparation for cleaning velvet, silk, kid shoes, etc. 206,862; Dec. 8.

Windsor Co., The. (See Luddy, John E.)

Wishart, George, New York, N. Y. Motor-fuel constituent. 206,627; Dec. 8; Serial 216,705; published Sept. 8, 1925.

Wood, Letty. (See Bell, Letitia W.)

Wright, Carl E., New Orleans, La. Cement, sand, and liquid-glass composition of matter formed into polished bricks, marbles, and tiles for building purposes. 206,794; Dec. 8; Serial No. 209,760; published Sept. 29, 1925.

Wright & Moody, assignor to New England Confectionery Company, Boston, Mass. Confectionery. 27,694; renewed Jan. 28, 1926.

Wrightson, Chas. T., & Son, Easton, Md. Canned vegetables. 206,567; Dec. 8; Serial No. 213,874; published Sept. 29, 1925.

Wyszynski, Walter H., doing business as The Inpefesso Medicine Co., not Inc., Chicago, Ill. Medicinal preparations for the treatment of all forms of rheumatism, gout, sciatica, etc. 206,618; Dec. 8; Serial No. 217,748; published Sept. 8, 1925.

Yakima Fruit & Cold Storage Company, Yakima, Wash. Fresh deciduous fruits. 206,730; Dec. 8; Serial No. 213,272; published June 9, 1925.

Yvette Co., New York, N. Y. Hair tonic. 206,622; Dec. 8; Serial No. 216,673; published Sept. 8, 1925.

# ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Browne, Arthur G., doing business as Napoleon Salad Dressing Company, Los Angeles, Calif. Napoleon's French Dressing. For Salad Dressing. 29,591; Dec. 8.

Bushman, B. S. & S. M., doing business as B. & S. Bushman, Buffalo, N. Y. White House Candies. For Candies. 29,592; Dec. 8.

California Bleaching Water Co., San Francisco, Calif. California C & G Brand. For Bleaching Water. 29,593; Dec. 8.

Canadian Club Corporation, formerly Canadian Extract Company, Boston, Mass. Canadian Club. For Ginger Ale. 29,594; Dec. 8.

Cox, George E., and Sons, Long Beach, Calif. El Dorado, The Perfect Face Cream. For Facial Toilet Creams. 29,595; Dec. 8.

Crystal Water Co. (See Land, Herbert R.)

Dean, Charles L., New York, N. Y. Bran Goodies. For Confectionery. 29,596; Dec. 8.

De Vinny, R. H., Lodi and Dougherty, Calif. De Vinny. For Fresh Grapes. 29,597; Dec. 8.

Electric Poultry Product Company, San Gabriel, Calif. Zovia. For a Concentrated Mineral Water. 29,598; Dec. 8.

Fairchild, Emil L., New York, N. Y. Arm-O Poudre. For a Powder Used to Prevent Odor of Perspiration. 29,599; Dec. 8.

Freeman Dust Absorber Manufacturing Company, The, Colorado Springs, Colo. Freeman's Dust Absorber. For Freeman's Dust Absorber. 29,600; Dec. 8.

Jackson Brewing Company, New Orleans, La. Jolly Boy. For Soft Drink. 29,601; Dec. 8.

Kaufman, Frank J., Baltimore, Md. Meadow Queen. For Butter. 29,602; Dec. 8.

Krank, A. J., Mfg. Co., St. Paul, Minn. Skin-Tone. For Skin Liquid Powder. 29,603; Dec. 8.

Land, Herbert R., doing business as Crystal Water Co., Los Angeles, Calif. Tux. For Ginger Ale. 29,604; Dec. 8.

Limbert, John W., doing business as The Nutwheat Milling Co., Muncie, Ind. Nutwheat. For a Cereal Breakfast Food. 29,605; Dec. 8.

Martin, William E., Trinidad, Colo. Martin's Four-In-One. For White-Diarrhea Tablets for Baby Chicks. 29,607; Dec. 8.

Martini, Emilio, Chicago, Ill. Marca Frantoio. For Olive Oil. 29,608; Dec. 8.

Milwaukee Paper Box Co., The, Milwaukee, Wis. Red Circle Home Mades. For Candy. 29,609; Dec. 8.

McDaniel, Le Roy W., Baltimore, Md. Storm-Seal. For Asbestos Roof Renewer. 29,606; Dec. 8.

Napoleon Salad Dressing Company. (See Browne, Arthur G.)

Nutwheat Milling Co., The. (See Limbert, John W.)

Oceano Products Company, Newark, N. J. Ocean-O. For a Carton in Which a Bottle is Inclosed Containing a Regulating Tonic and Detoxicant. 29,610; Dec. 8.

Oceano Products Company, Newark, N. J. Ocean-O. For a Bottle Containing a Regulating Tonic and Detoxicant. 29,611; Dec. 8.

Page-Hudson, Monroe, N. C. C-T-C Coch that Cough, Cough Syrup. For Cough Sirup. 29,612; Dec. 8.

Pal Pharmacal Co. Inc., Jamaica, N. Y. Pal Laxative Jelly. For Pal Laxative Jelly. 29,613; Dec. 8.

Peggy Palmer Garment Co., St. Louis, Mo. Peggy Palmer Frocks. For Ladies' Frocks. 29,614; Dec. 8.

Phillips, S. M., Flour Mills, San Francisco, Calif. S. M. Phillips Flour Mills 4 Big Four Pancake and Waffle Flour. For Pancake and Waffle Flour. 29,615; Dec. 8.

Radiumora Appliance Company, San Francisco, Calif. Radiumora. For an Appliance Used for Charging Fluids, Particularly Drinking Water, with Radioactivity. 29,616; Dec. 8.

Reeves, William A., New York, N. Y. Once-A-Day Foot Balm. For a Foot Balm. 29,617; Dec. 8.

Renew-All Manufacturing Co., Los Angeles, Calif. Renew-All. For Surface Finishing and Preserving Compound. 29,618; Dec. 8.

Sahara Dry Battery Company, Providence, R. I. Sahara Dry Storage Battery. For Dry Storage Batteries. 29,619; Dec. 8.

Sauter, Everett, Portland, Oreg. Queen. For Honey Nut Spread. 29,620; Dec. 8.

Scully, D. B., Syrup Company, Chicago, Ill. Skookum. For Table Sirup. 29,621; Dec. 8.

Seager, Belle M., Los Angeles, Calif. C's Corn and Callous Cure. For Salve. 29,622; Dec. 8.

Stark, Lillian M., doing business as Molly Stark, Sound Beach, Conn. Molly Stark. For Vanishing Cream. 29,623; Dec. 8.

Stratton, Harry D., San Francisco, Calif. Old German Lager. For Malt Extracts and Liquors—namely, Old German Lager. 29,624; Dec. 8.

Tenney, Willard S., doing business as Tenney Reiper, Natick, Mass. Off or On. For Game. 29,625; Dec. 8.

Tilden Produce Co., St. Paul, Minn. Glendale. For Butter. 29,626; Dec. 8.

Tuolumne Apple Growers' Association, Soulsbyville, Calif. Bret Harte Brand Tuolumne Mountain Apples. For Apples. 29,627; Dec. 8.

Twistop Products Corporation, Los Angeles, Calif. Twistop. For Package Salt. 29,628; Dec. 8.

# ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Barbasol Company, The, doing business as Barbasol Pharmaceutical Laboratories, Indianapolis, Ind. 'But, my dear, I Thought'. For Pharmaceutical Preparation for Relieving Pain. 8,427; Dec. 8.

Barbasol Company, The, doing business as Barbasol Pharmaceutical Laboratories, Indianapolis, Ind. 'So you've taken Mr. Willard's place!' For Pharmaceutical Preparation for Relieving Pain. 8,428; Dec. 8.

Barbasol Company, The, doing business as Barbasol Pharmaceutical Laboratories, Indianapolis, Ind. 'My dear, I'm afraid I'll have to stay home.' For Pharmaceutical Preparation for Relieving Pain. 8,429; Dec. 8.

Barbasol Company, The, doing business as Barbasol Pharmaceutical Laboratories, Indianapolis, Ind. 'But, my dear, how can you look so fresh and beautiful when—'. For Pharmaceutical Preparation for Relieving Pain. 8,430; Dec. 8.

Cream of Wheat Co., Minneapolis, Minn. A Formula For Cereal Gruel in Difficult Feeding Cases. For Wheat Breakfast Food. 8,431; Dec. 8.

Cunningham, E. T., Inc., San Francisco, Calif. Cunningham Radio Tubes put Smiles on Tired Men's Faces. For Radiotubes. 8,432; Dec. 8.

Cunningham, E. T., Inc., San Francisco, Calif. Cunningham Tubes bring the Important Market Reports. For Radiotubes. 8,433; Dec. 8.

Cunningham, E. T., Inc., San Francisco, Calif. Cunningham Radio Tubes bring News from Santa Claus. For Radiotubes. 8,434; Dec. 8.

Cunningham, E. T., Inc., San Francisco, Calif. Cunningham Radio Tubes have great Educational Value. For Radiotubes. 8,435; Dec. 8.

Cunningham, E. T., Inc., San Francisco, Calif. Cunningham Radio Tubes bring Jazz from the Big Hotels. For Radiotubes. 8,436; Dec. 8.

Cunningham, E. T., Inc., San Francisco, Calif. Cunningham Radio Tubes bring "Sports" News through the Air. For Radiotubes. 8,437; Dec. 8.

Cunningham, E. T., Inc., San Francisco, Calif. Cunningham Radio Tubes bring Noted Artists to Your Home. For Radiotubes. 8,438; Dec. 8.

Cunningham, E. T., Inc., San Francisco, Calif. We use and recommend Cunningham Radio Tubes. For Radiotubes. 8,439; Dec. 8.

Cunningham, E. T., Inc., San Francisco, Calif. Cunningham Radio Tubes bring Enjoyment to Children. For Radiotubes. 8,440; Dec. 8.

Goldman, Julian, Stores, Inc., The, New York, N. Y. Julian Goldman New Money-saving Clothing plan. For Clothing. 8,441; Dec. 8.

Hancock-Nelson Mercantile Company, Minnesota Transfer, Minn. United Grocers The Blue Front Stores. For Groceries. 8,442; Dec. 8.

Hungerford, U. T., Brass & Copper Co., New York, N. Y. Star Brand Copper Nails, Tacks and Brass Escutcheon Pins. For Copper Nails, Tacks, and Brass Escutcheon Pins. 8,443; Dec. 8.

Leschin, Inc., Chicago, Ill. Leschino Zig-Zag. For Hosiery. 8,444; Dec. 8.

London Shoe Company, Inc., New York, N. Y. Character Shoes. For Shoes. 8,445; Dec. 8.

McCracken, J. M., Co., Boston, Mass. Equal To The Best—Better Than The Rest. For Coffee. 8,446; Dec. 8.

News Bulletin Press Service. (See Sternfels, Edwin.)

Pet & Pett Co.-H. G. Seyfarth & Son. (See Seyfarth, Henry G.)

Purity Oats Company, Keokuk, Iowa. Rich's Ryota. For a Cereal Product and Flour Composed of Oats and Rye. 8,447; Dec. 8.

Rittenhouse, Charles, jr., doing business as Rittenhouse Co. and Charles Rittenhouse, Cincinnati, Ohio. Rittenhouse Fore-Arm Carrier. For Receptacle and Baggage Carriers. 8,448; Dec. 8.

Schlage Company, The, San Francisco, Calif. Schlage Button-Locks. For Door Locks. 8,449; Dec. 8.

Seyfarth, Henry G., doing business as Pet & Pett Co.-H. G. Seyfarth & Son, Chicago, Ill. "Pet" Lung Mixture for Coughs, Colds, Asthma, Etc. For a Tonic and Laxative Used in the Treatment of Coughs and Colds. 8,450; Dec. 8.

Squibb, E. R., & Sons, New York, N. Y. Insulin Squibb. For Insulin. 8,451; Dec. 8.

Standard Veterinary Products Co., Inc., Philadelphia, Pa. Standard Odor Improved Mange Medicine. For Mange Medicine. 8,452; Dec. 8.

Sternfels, Edwin, doing business as News Bulletin Press Service, New York, N. Y. The Newsograph, a Business Builder. For an Automatic Stereopticon Machine. 8,453; Dec. 8.

United Mercantile Agencies. Louisville, Ky. Bottlers Bureau Surrounds and Protects the Bottling Industry. For Bottled Beverages. 8,454; Dec. 8.

Yallsove & Sigmund, Wilmington, Del. Pandora Day. For Coats, Dresses, Hosiery, Gloves, Knickers, Umbrellas, Hand Bags, Hatboxes, Slickers, and Underthings. 8,455; Dec. 8.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abadie, Julia A., New Orleans, La. Medicine. 222,206; Dec. 8.

Abbeville Cotton Mills, Abbeville, S. C. Cotton piece goods. 213,543; Dec. 8.

Abshire, John O., doing business as Abshire Oil Company, Goshen, Ind. Motor oils and gasoline. 221,469; Dec. 8.

Acme Steel Company, Chicago, Ill. Nailless steel straps, shook tie fasteners, shingle bands, etc. 220,986; Dec. 8.

Aktieselskabet Lagerman, Junr., Copenhagen, Denmark. Pectoral and cough lozenges. 211,770; Dec. 8.

American Avator Company, Inc., New York, N. Y. Germicide for external use. 222,421; Dec. 8.

American Stove Company, St. Louis, Mo. Stoves. 214,905; Dec. 8.

Anderson Box and Basket Co., Henderson, Ky. Boxes, baskets, and crates. 220,390; Dec. 8.

Anne Laboratories, The. (See Ross, Dr. Frank A.)

Anti-Shimmie Manufacturing Co., Kansas City, Mo. Bracing spring for automobiles. 220,441; Dec. 8.

Arakelian, Harry, & Son, Turlock, Calif. Fresh deciduous fruits, peaches, and apricots, cantaloupes, and grapes. 216,867; Dec. 8.

Arden, Elizabeth. (See Lewis, Florence N.)

Aron Elektrizitäts-Gesellschaft m. b. H., Charlottenburg, near Berlin, Germany. Complete radio receiving sets, crystal detectors, etc. 212,362; Dec. 8.

Atlantic Lithographic and Printing Co., New York, N. Y. Lithographic print. 220,014; Dec. 8.

Atlas Plywood Corporation, Boston, Mass. Plywood panels and dimension veneer. 220,631; Dec. 8.

Atlas Plywood Corporation, Boston, Mass. Plywood panels and dimension veneer. 220,635; Dec. 8.

Auto Equipment and Service Co., Philadelphia, Pa. Automobile battery chargers, ignition parts, starters, etc. 215,546; Dec. 8.

Autry Motor Company, Dallas, Tex. Combined fender braces and headlight supports. 209,610; Dec. 8.

Avedon & Lightman, New York, N. Y. Dresses, suits, and coats. 220,988; Dec. 8.

Baby Betty Apron Company, Chicago, Ill. Slip-on aprons and underwaists. 222,059; Dec. 8.

Baker Brush Co., Inc., New York, N. Y. Paintbrushes. 205,812; Dec. 8.

Bannon, William H., doing business as W. H. Bannon & Co., Providence, R. I. Domestic-fabric dyes. 220,170; Dec. 8.

Baur, Raymond H., doing business as The Forerunner Manufacturing Company, Bennings, D. C. Electric lamps used as automobile running lights, signal lights, etc. 219,216; Dec. 8.

Belflex Corporation, New York, N. Y. Pivot shackles, tension shackles, radius-rod anchors, etc. 219,870; Dec. 8.

Benner, William, Bridgeport, Conn. Bread, biscuits, cake, cookies, etc. 184,538; Dec. 8.

Billstrom, Nels J., Rockford, Ill. Glue-clamp carriers. 221,940; Dec. 8.

Bilt-Ryte Battery Company, The, New Haven, Conn. Storage batteries. 221,162; Dec. 8.

Birnie Paper Company, Springfield, Mass. Writing paper and mailing envelopes. 219,370; Dec. 8.

Bodine Electric Company, Chicago, Ill. Electric motors and loop aerials. 219,164; Dec. 8.

Bonwit Teller & Co., New York, N. Y. Hosiery. 222,216; Dec. 8.





Boonville Mills Company, Boonville, Mo. Self-rising wheat flour. 218,947; Dec. 8.

Boronow, Robert R., Montreal, Quebec, Canada. Ladies' knitted dresses, suits, sweaters, and scarfs. 216,771; Dec. 8.

Boyshform Brassière Co., The, New York, N. Y. Girdles, corsets, corselets, bandeaux, and reducing garments. 214,349; Dec. 8.

Bozeman Canning Co., Bozeman, Mont. Canned peas. 219,931; Dec. 8.

Bremer-Tully Manufacturing Company, Chicago, Ill. Variable air condensers, air transformers, resistances, sockets, etc. 216,381; Dec. 8.

British Drug Houses, Limited, The, London, England. Anæsthetic. 222,438; Dec. 8.

Bruno, C., & Son, Inc., New York, N. Y. Violins, ukuleles, banjos, guitars, etc., and parts thereof. 218,243; Dec. 8.

Bryant, C. L., Corporation, Cleveland, Ohio. Heating systems, boilers, etc. 221,234–6; Dec. 8.

Buck & Company, Philadelphia, Pa. Shoes, slippers, pumps, and sandals. 221,477; Dec. 8.

Bunte Brothers, Chicago, Ill. Candy. 221,090; Dec. 8.

Buttress Manufacturing Co., Los Angeles, Calif. Wall board and plaster lath. 218,951; Dec. 8.

Cable-Draper Baking Company, Detroit, Mich., Bread. 208,636; Dec. 8.

California Almond Confections Company. (See Prentiss, William, jr.)

Carlile & Doughty, Inc., Philadelphia, Pa. Storage batteries and plates. 220,286; Dec. 8.

Carpenter Paper Company, Omaha, Nebr. Cardboard, writing paper, and paper stock. 220,335; Dec. 8.

Carson Pirie Scott & Co., Chicago, Ill. Golf clubs. 201,884; Dec. 8.

Chase, Roberts & Co., Long Island City, N. Y. Paints, varnishes, and wood fillers. 220,495; Dec. 8.

Chatterton & Son, Lansing, Mich. Beans. 221,237; Dec. 8.

Chicago Mail Order Company, Chicago, Ill. Men's overcoats, suits, and pants, boys' suits, overcoats, blouses, etc. 221,876; Dec. 8.

Chieftain Radio Corporation, Chicago, Ill. Radio receiving sets and parts thereof. 219,228; Dec. 8.

Colombo Commercial Company, Ltd., London, England, and Colombo, Ceylon. Tea. 219,715; Dec. 8.

Colonial Fireplace Company, Chicago, Ill. Complete electric fireplaces. 219,109; Dec. 8.

Combeasy Company. (See Nell, Thomas H.)

Cook, Arch L., doing business as Great Northern Glove Company, Bluffton, Ind. Gloves. 220,216; Dec. 8.

Copper Hewitt Electric Company, Hoboken, N. J. Mercury-vapor arc lamps. 199,150; Dec. 8.

Crain, Charles E., doing business as S. & C. Laboratories, San Antonio, Tex. Medicine in capsule form for use in the treatment of obesity. 22,666; Dec. 8.

Crooke-Dittmar Co., The, Williamsport, Pa. Liquid cleaning wax, body wax, varnish, etc. 203,300; Dec. 8.

Crossett, Lewis A., Co., North Abington, Mass. Boots and shoes. 220,217; Dec. 8.

Curtiss Candy Co., The, Chicago, Ill. Candy and candy bars. 220,180; Dec. 8.

Dahl-Niles Products, Incorporated, The, Springfield, Ohio. Kites. 221,538; Dec. 8.

Daniels, Carrie A., doing business as Daniels Chemical Proof Ink Company, Dallas, Tex. Writing inks. 212,122; Dec. 8.

Dent Woolen Co., Inc., The, Coscob, Conn. Woolen fabrics. 219,578; Dec. 8.

De Witt, Wilbur M., doing business as Starrow Chemical Co., Utica, N. Y. Oxidizing liquid for sterilizing, disinfecting, deodorizing, and whitening. 213,163; Dec. 8.

Diamond Calk Horse Shoe Co., Duluth, Minn. Wrenches. 222,226; Dec. 8.

Dixie Underwear Co., Inc., Montgomery, Ala. Underwear, hosiery, sweaters, etc. 221,100; Dec. 8.

Doherty Research Company, Bartlesville, Okla, and New York, N. Y. Gas and oil burners and combustion-regulating equipment. 214,064; Dec. 8.

Donahue, Edw. J., Chicago, Ill. Ladies' shoes. 201,229; Dec. 8.

Doob, M., Sons & Company, New York, N. Y. Handkerchiefs, cotton and silk-cotton piece goods, and lace piece goods. 210,717; Dec. 8.

Dougal Bros., London, England. Matches. 222,166; Dec. 8.

Draper, H. C., doing business as Draper Canning Company, Milton, Del. Canned vegetables and fruits. 219,276; Dec. 8.

Drysorb Company, The. (See Russell, Sidney S.)

Eastern Electric & Mfg. Co., Providence, R. I. Radio coils and inductances. 221,172; Dec. 8.

Edmiston, John R., Wildwood, N. J. Candy. 222,064; Dec. 8.

Egerton Brothers, Baltimore, Md. Wheat flour. 222,169; Dec. 8.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquer. 215,902; Dec. 8.

Elsemann Magneto Corporation, New York, N. Y. Magnetos, coils, radio receiving and transmitting apparatus, etc. 218,402; Dec. 8.

Elder Mfg. Co., St. Louis, Mo. Men's and boys' shirts and boys' blouses. 221,885; Dec. 8.

Ellison, Wm. T., doing business as Southern Laboratories, Ybor City, Tampa, Fla. Ethical ointment for catarrhal inflammation, ulcers, etc. 220,709; Dec. 8.

Erhard & Sohne A. G., Gmmnd, Germany. Calendars of metal for desks, letter racks, stamp boxes, etc. 218,616; Dec. 8.

Estate Stove Company, The, Hamilton, Ohio. Heating stoves and furnaces. 216,901; Dec. 8.

Etherical Radio Company, Bristow, Okla. Radio receiving sets. 218,802; Dec. 8.

Eulith Gesellschaft m. b. H., Chemisch-Pharmazeutische Fabrik, Berlin, Germany. Perfumery and cosmetics. 211,911; Dec. 8.

Fair, The, Chicago, Ill. Sanitary belts, aprons, bloomers, etc. 176,018; Dec. 8.

Faxon & Gallagher Drug Co., Kansas City, Mo. Tincture iodine, tincture chloride, arnica, sweet spirits of niter, etc. 217,267; Dec. 8.

Flapper Novelty Company, Chicago, Ill. Face cream, face powder, and rouge. 189,712; Dec. 8.

Flintkote Company, The, Boston, Mass. Strip shingles made from fibrous sheet material saturated with compounds. 219,174; Dec. 8.

Floor Shine Paint & Varnish Company, St. Louis, Mo. Paint, paint enamels, varnish, shellac, etc. 215,296; Dec. 8.

Ford, J. B., Company, The, Wyandotte, Mich. Cleaning, cleansing, and detergent materials. 220,120; Dec. 8.

Ford, J. B., Company, The, Wyandotte, Mich. Cleaning and cleansing materials. 220,121; Dec. 8.

Ford, J. B., Company, The, Wyandotte, Mich. Metal cleaner. 220,124; Dec. 8.

Fore-Runner Manufacturing Company, The. (See Baur, Raymond H.)

Fox Company, The. (See Newton, Carl D.)

Frank, A. B., Company, San Antonio, Tex. Riding pants or riding trousers. 222,022; Dec. 8.

Frankel, B., Co. Inc., The, New York, N. Y. Hair nets. 222,232; Dec. 8.

Fresno Chemical Co., Fresno, Calif. Cleaning preparation. 218,546; Dec. 8.

Fruit Products Co. (See Hickey, Dr. Charles M.)

Garson, Edgar, Hollywood, Calif. Automobile windshields. 220,300; Dec. 8.

Gelberg & Schwartz, New York, N. Y. Fur coats 220,771; Dec. 8.

Ginsberg, Isaac, & Bros., Inc., New York, N. Y. Dresses. 222,118; Dec. 8.

Goodall Rubber Company, Philadelphia, Pa. Grease-pump hose. 214,594; Dec. 8.

Gordon Bros., Cambridge, Mass. Children's dresses, creepers, rompers, and play suits. 221,743; Dec. 8.

Gould, Charles W., Los Angeles, Calif. Composition for stopping leaks in radiators, steam and hot-water heating systems, etc. 221,417; Dec. 8.

Gowell, Cora M., Auburn, Me. Candies and chocolates. 217,509; Dec. 8.

Graham Paper Company, St. Louis, Mo. Printing and writing paper. 209,649; Dec. 8.

Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Vacuum bottles. 221,485; Dec. 8.

Great Northern Glove Company. (See Cook, Arch L.)

Green River Fuel Company, Inc., Mogg, Ky. Coal. 217,091; Dec. 8.

Grimes, David, Inc., Jersey City, N. J. Radio receiving sets and parts thereof. 219,624; Dec. 8.

Groff, Joseph C., Allentown, Pa. Charts. 219,666; Dec. 8.

Grumbacher, Isaac M., Cherryvale, Kans. Liniment. 210,382; Dec. 8.

Hamblet, James W., Inc., New York, N. Y. Coffee. 220,949; Dec. 8.

Hamilton, M. B., & Co., Leavenworth, Kans. Work gloves, mittens, and gauntlets. 221,818–23; Dec. 8.

Hamilton, M. B., & Co., Leavenworth, Kans. Work gloves, mittens, and gauntlets. 221,825–6; Dec. 8.

Hamilton, M. B., & Co., Leavenworth, Kans. Work gloves, mittens, and gauntlets. 221,828–9; Dec. 8.

Heise Brothers, Orleans, Ind. Horse and dairy feed, stock feed, poultry feed, and pearl meal. 210,454; Dec. 8.

Helbein-Stone Company, Inc., New York, N. Y. Watches, watchcases, watch movements, and parts of the same. 221,062; Dec. 8.

Held, Frank, Tractor Co., The, Columbus, Ohio. Power sprayers. 221,961; Dec. 8.

Heller, L., & Son, Inc., New York, N. Y. Strings of pearls and reproductions of pearls or imitation thereof. 200,494; Dec. 8.

Henderson, O. W., doing business as Strawberry Point Packing Company, Cordova, Alaska. Canned minced clams. 218,967; Dec. 8.

Henderson, O. W., doing business as Strawberry Point Packing Company, Cordova, Alaska. Canned minced clams and canned salmon. 218,968; Dec. 8.

Herbert & Herbert, Inc., Perth Amboy, N. J. Insecticide and fungicides. 202,452; Dec. 8.

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Herbert-John Corporation, New York, N. Y. Radio loud speakers and receiving sets and/or parts for the same, etc. 220,387; Dec. 8.
Hewitt, Charles, & Sons Co., Des Moines, Iowa. Canned vegetables and fruits, fruit jams, etc. 220,407; Dec. 8.
Hickey, Dr. Charles M., doing business as Fruit Products Co., Tulsa, Okla. Dried raisins. 215,630; Dec. 8.
Hi-Go Tread Company. (See Warner, Reuben, 2.)
Hillerich & Bradsby Co., Louisville, Ky. Baseball bats. 221,966; Dec. 8.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 219,745; Dec. 8.
Hollenbeck, James W., Clarksburg, Calif. Fresh asparagus. 222,243; Dec. 8.
Holzknecht, Charles A., Green Bay, Wis. Door plates. 207,679; Dec. 8.
Homophon-Company Gesellschaft mit beschränkter Haftung, Berlin, Germany. Talking machines and records. 218,061; Dec. 8.
Howard, Herman W., doing business as H. W. Howard Co., Washington, D. C. Metal polish. 220,191; Dec. 8.
Hubbard Milling Company, Mankato, Minn. Flours, corn meal, and cereal breakfast foods. 203,819; Dec. 8.
Imperial Electric Mfg. Co., Inc., doing business as Puradyne Company, Newark, N. J. Radio receiving sets and radio parts. 204,914; Dec. 8.
Imperial Furniture Company, Grand Rapids, Mich. Wooden tables. 192,917; Dec. 8.
Import Paper Company, Chicago, Ill. Bond paper. 220,537; Dec. 8.
Industrial Apparatus and Instrument Co. (See Kaulke, Johannes.)
International Harvester Company, Chicago, Ill. Motor vehicles and attachments and parts thereof. 211,438–9; Dec. 8.
Interstate Dry Goods Syndicate, The, Huntington, W. Va. Hosiery. 221,067; Dec. 8.
Irwindale Citrus Association, Irwindale, Calif. Oranges, lemons, and grapefruit. 217,561; Dec. 8.
Jack Beverages, Inc., New York, N. Y. Beverages sold as soft drinks and sirups for making the same. 222,181; Dec. 8.
Jof & Gee Chemical Co. (See Levin, Meyer.)
Jones Metal Products Company, The, West Lafayette, Ohio. Baking set. 220,344; Dec. 8.
Kase-Quinby Rubber Co., Inc., New York, N. Y. Rubber toilet kits and traveling cases. 218,417; Dec. 8.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Coats, suits, gowns, skirts, waists, and sweaters. 222,183; Dec. 8.
Kaulke, Johannes, doing business as Industrial Apparatus and Instrument Co., Newark, N. J. Electric wax sealing machines. 217,676; Dec. 8.
Keene, R. D., & Co., Eustis, Fla. Florida citrous fruit. 222,124; Dec. 8.
Kingdom of Italy, Rome, Italy. Snuff. 221,838; Dec. 8.
Kling Bros. & Co., Inc., Chicago, Ill. Coats, vests, pants, overcoats, etc. 222,034; Dec. 8.
Kohl, Henry J., doing business as H. J. Kohl Company, Sharon Hill, Pa. Soap and cleansing compounds. 203,082; Dec. 8.
Krupp, Haymon & Co., El Paso, Tex. Hosiery. 217,027; Dec. 8.
Küchenmeister, Heinrich, Berlin, Germany. Phonographs, pianos, violins, cellos, etc. 200,993; Dec. 8.
Lady Lane Mfg. Co. (See Silberman, Jacob.)
Largman, Gray Company, Philadelphia, Pa. Hosiery for women. 219,968; Dec. 8.
Leber Supply Co., Inc., doing business as Lescolier, Jersey City, N. J. Electric-lighting chandeliers and parts thereof, electric fans, etc. 213,382; Dec. 8.
Lescolier. (See Leber Supply Co.)
Levin, Meyer, doing business as Jof & Gee Chemical Co., Newark, Ohio. Cleanser in powder form. 219,398; Dec. 8.
Levy, Bertram, New York, N. Y. Silk, wool, and cotton hosiery and knitted underwear. 219,340; Dec. 8.
Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Deodorants. 222,329; Dec. 8.
Lichfield, Sidney, Kansas City, Mo. Writing ink. 219,191; Dec. 8.
Lilly, Eli, & Company, Indianapolis, Ind. Medicinal or pharmaceutical preparation. 222,686–92; Dec. 8.
Loewith, Julius, assignor to Julius Loewith Inc., New York, N. Y. Seeds. 181,408; Dec. 8.
Longo Instantaneous Hair Dye, Inc., New York, N. Y. Hair dye. 208,991; Dec. 8.
Lorraine Corporation, Chicago, Ill. Electric driving lights. 219,828; Dec. 8.
Louisiana Moss Products Co. Inc., Patterson, La. Cured ginned Spanish moss. 220,549; Dec. 8.
Lubin, Inc., Wilmington, Del. and New York, N. Y. Perfume, toilet water, face powder, bath salts, etc. 222,751; Dec. 8.
Lucas, Parker V., Dallas, Tex. Sanitary protector kit. 217,831; Dec. 8.
Ludwig & Ludwig, Chicago, Ill. Skin heads of drums and the like. 219,401; Dec. 8.
Machine Specialty Company, Ann Arbor, Mich. Radio receiving sets and component parts thereof. 219,973; Dec. 8.
Mack Company. (See Mackenzie, Franklin H.)
Mack, Harold, Importing Company (and Mack), The. (See McWhorter, Henry W.)
Mack-Mark Co., Brooklyn, N. Y. Table board game. 220,349; Dec. 8.
Mackenzie, Franklin H., doing business as Mack Company, Philadelphia, Pa. Radio receiving sets. 211,793; Dec. 8.
Magic Bleach Manufacturing Co., Evansville, Ind. Skin-bleaching cream. 218,496; Dec. 8.
Maricopa Creamery Company, The, Phoenix, Ariz. Evaporated milk. 219,038; Dec. 8.
Marinello Company, Chicago, Ill. Face powder, rouge, sachets, perfume, etc. 204,464; Dec. 8.
McWhorter, Henry W., doing business as The Harold Mack Importing Company (and Mack), Joliet, Ill. Face creams, face packs, perfumes, sachets, etc. 222,388; Dec. 8.
Mechanical Mixers Corporation, New York, N. Y. Electrically-operated drink mixers. 165,636; Dec. 8.
Meitlein, Harry, doing business as New York Hat & Cap Co., Pittsburgh, Pa. Hats and caps for men. 210,915; Dec. 8.
Mentopine Corporation, The, Philadelphia, Pa. Throat lozenges. 221,978; Dec. 8.
Merrill Candy Company, Merrill, Wis. Candy. 222,131; Dec. 8.
Michigan Drug Co., The, Detroit, Mich. Petroleum jelly and compounds of petroleum jelly, etc. 221,908; Dec. 8.
Mikado Hosiery Co., South Bend, Ind. Hosiery. 221,133; Dec. 8.
Miller-Closman Company, Philadelphia, Pa. Limousine tray and coat cases, traveling bags, etc. 217,172; Dec. 8.
Minium & Pollok, Tipton, Calif. Table grapes. 219,438; Dec. 8.
Minute Chemical Co., Chicago, Ill. Soap and cleaners. 220,558; Dec. 8.
Mitox Co., The, Mentone, Ind. Insecticide. 222,391; Dec. 8.
Monarch Chemical Company, New York, N. Y. Cereal yeast food. 221,022; Dec. 8.
Moon, George, Q., & Company, Inc., Binghamton, N. Y. Wheat flour. 218,862; Dec. 8.
Mosaic Tile Company, The, Zanesville, Ohio. Floor and wall tiles of clay. 199,122; Dec. 8.
Mullins, J. C., & Co., Los Angeles, Calif. Canned fish. 222,084; Dec. 8.
Native Son Orchards Company, Lindsay, Calif. Fresh citrous fruit. 222,272; Dec. 8.
Neale, Edward G., doing business as Neale, Inc., Los Angeles, Calif. Electric advertising signs. 216,351; Dec. 8.
Nell, Thomas H., doing business as Combeasy Company, Long Beach, Calif. Hairdressing. 221,498; Dec. 8.
New England Dressed Meat & Wool Company, Portland, Me., and Boston, Mass. Sausages, hams, bacon, and dressed lamb. 220,791; Dec. 8.
New Era Optical Co., Chicago, Ill. Ophthalmic frames. 220,563; Dec. 8.
New Mix Products, Inc., New York, N. Y. Toilet lotions, face powder, rouge, sachets, etc. 219,982; Dec. 8.
Newton, Carl D., doing business as The Fox Company, San Antonio, Tex. Photographic prints. 220,416; Dec. 8.
New York Hat & Cap Co. (See Meitlein, Harry.)
New York Macaroni Mfg. Co., The. (See Oliveri, Giuseppe.)
Noonan, George W., San Bernardino, Calif. Dandruff remedy. 221,634; Dec. 8.
Norwood Pharmaceutical Company, Chicago, Ill. Preparation for the treatment of rheumatism and of kindred diseases. 220,671; Dec. 8.
O-G Goody Company, Kirksville, Mo. Ice-cream confection and chocolate coating. 216,206; Dec. 8.
Oliveri, Giuseppe, doing business as The New York Macaroni Mfg. Co., New York, N. Y. Macaroni. 218,136; Dec. 8.
Oppenheimer, A., & Co., London, England. Tobacco pipes. 222,185; Dec. 8.
Oriental Music Shop, Inc., doing business as Oriental Record and Talking Machine Co., New York, N. Y. Phonograph instruments and the like. 220,913; Dec. 8.
Pacific & Atlantic Photos, Inc., New York, N. Y. Machines and apparatus for distance transmission of photographs electrically. 207,628; Dec. 8.
Pacific States Electric Co., San Francisco, Calif. Electrical apparatus and fixtures. 182,767; Dec. 8.
Pacific Wire Rope Co., Los Angeles, Calif. Wire rope (cable) and guy strand. 217,111; Dec. 8.
Packard Electric Company, The, Warren, Ohio. Electric extension cords, lamps, and guards. 212,825; Dec. 8.
Panelon Underwear Company, Inc., Attleboro, Mass. Underwear. 220,614–15; Dec. 8.
Panelon Underwear Company, Inc., Attleboro, Mass. Underwear. 219,640–3; Dec. 8.
Parfumerie St. Denis, New York, N. Y. Face powders, creams, and packs, toilet water, rouges, etc. 222,760; Dec. 8.



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Pauly, Julius, Inc., New York, N. Y. Marcel irons, rubber combs, wire hairpins, transformations, and wigs. 217,833; Dec. 8.
Pearson, Joseph W., Los Angeles, Calif. Auto top ready-mixed rubber lacquer. 203,834; Dec. 8.
Peckham-Foreman, Inc., New York, N. Y. Sweaters, golf hose, bathing suits, mufflers, etc. 214,093; Dec. 8.
Peggram, W. F., and Company, La Verne, Calif. Medicine for catarrh, coughs, colds, asthma, etc. 220,863; Dec. 8.
Pego y Ca., S. en C., Habana, Cuba. Cigars, cigarettes, and cut tobacco. 185,670; Dec. 8.
Pelling, Stanley & Co. Ltd., Liverpool, England. Canned fruits. 202,637; Dec. 8.
Percolator Heating Company, Indianapolis, Ind. Oil heating devices. 221,153; Dec. 8.
Perkins Dry Goods Company, Dallas, Tex. Scarfs, chokers, aprons, rompers, cloaks, shirts, waists, etc. 219,761; Dec. 8.
Perlora Manufacturing Company, Springfield, Mass. Tooth powder. 222,574; Dec. 8.
Personeni, Joseph, Inc., New York, N. Y. Artificial Vichy powders, liniment, powders, plasters, etc. 212,199; Dec. 8.
Piru Citrus Association, Piru, Calif. Oranges, lemons, and grapefruit. 217,578; Dec. 8.
Polar Products Company, Eau Claire, Wis. Nonfreezing solution for automobile radiators. 216,430; Dec. 8.
Prentiss, William, jr., also doing business as California Almond Confections Company, Long Beach, Calif. Candies, almonds, and chocolate-coated nuts. 211,615; Dec. 8.
Procter & Gamble Company, The, Cincinnati, Ohio. Anti-freeze mixture for radiator use. 222,278; Dec. 8.
Puradyne Company. (See Imperial Electric Mfg. Co.)
Pyle-National Company, The, Chicago, Ill. Flood lights and complete electric projecting lamps. 193,068; Dec. 8.
Radiotel Manufacturing Co., Inc., Bay Shore, N. Y. Radio receiving sets and parts thereof. 219,762; Dec. 8.
Reichmann Company, Chicago, Ill. Loud speakers and parts thereof. 219,410; Dec. 8.
Renze, Nick R., doing business as Renze Cigar Co., Connellsville, Pa. Cigars. 221,206; Dec. 8.
Robbins, Harry, doing business as Robbin's Hats, Baltimore, Md. Hats and caps and ladies' and misses' hat frames and linings. 221,383; Dec. 8.
Robeson Preservo Company, Port Huron, Mich. Liquid compound for waterproofing and weatherproofing concrete, stucco, cement, etc. 219,141; Dec. 8.
Robinson, J. G., Lettuce Farms, Inc., Monroe, Wash. Lettuce. 222,522; Dec. 8.
Robischon, Ernest W., New York, N. Y. Ladies' garments and underwear of knitted and textile fabric. 219,495; Dec. 8.
Rockland & Rockport Lime Corporation, Rockland, Me. Lime and plaster mixtures. 218,664; Dec. 8.
Rocky Mountain Products Co., The, Brooklyn, N. Y. Varnish. 216,697; Dec. 8.
Roland Publishing Company, New York, N. Y. Monthly publication. 220,679; Dec. 8.
Ronkonkoma Wall Paper Company, Inc., The, Ronkonkoma, N. Y. Wall paper. 220,422; Dec. 8.
Roseboom, Jesse G., Cincinnati, Ohio. Electrical direction signal lights. 218,525; Dec. 8.
Rose City Cotton Oil Mill, Little Rock, Ark. Fertilizer. 219,765; Dec. 8.
Ross, Dr. Frank A., doing business as The Anne Laboratories, Chicago, Ill. Local anæsthetic. 222,484; Dec. 8.
Roth, Samuel, doing business as Roth Radio Company, New York, N. Y. Radio receiving sets and radio loud speakers. 217,684; Dec. 8.
Rothschild, David, & Co., Columbus, Ga. Hosiery, underwear, sweaters, caps, hats, etc. 220,423; Dec. 8.
Russell, Sidney S., doing business as The Drysorb Company, St. Louis, Mo. Lotion for the treatment of hemorrhoidal complaints. 221,639; Dec. 8.
S. & C. Laboratories. (See Crain, Charles E.)
Schoenfeld Bros., Inc., Seattle, Wash. Men's cravats. 221,978; Dec. 8.
Sciafani, D. & A., New York, N. Y. Olive oil. 219,046; Dec. 8.
Seamless Rubber Company, Inc., The, New Haven, Conn. Bathing caps and rubber household aprons. 220,875; Dec. 8.
Seedor, Tecla, New York, N. Y. Cleansing and soothing cream, cleansing lotion, etc. 217,307; Dec. 8.
Shapleigh Hardware Company, St. Louis, Mo. Pamphlets and periodicals. 202,718; Dec. 8.
Shaw & Truesdell Co., Brooklyn, N. Y. Food for hogs, poultry, cattle, and horses. 217,531; Dec. 8.
Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, japans, varnishes, etc. 220,479; Dec. 8.
Sigma Nu Phi Fraternity (Legal), Washington, D. C. Fraternity badges, lapel buttons, cuff links, etc. 183,087; Dec. 8.
Silberman, Jacob, doing business as Lady Lane Mfg. Co., New York, N. Y. Negligees, bath robes, lingerie, and underwear. 220,325; Dec. 8.
Smith, Edward, & Co., Long Island City, N. Y. Periodicals. 219,609; Dec. 8.
Smith, L. C., & Co., Vinalhaven, Me. Cleanser and polisher. 215,187; Dec. 8.
Soieries De Strasbourg, Strassburg, France. Sheets, strips, tubes, or threads of viscoe, etc. 215,422; Dec. 8.
Southern Laboratories. (See Ellison, Wm. T.)
Spalding, A. G., & Bros., New York, N. Y. Bicycles. 220,370; Dec. 8.
Sparks Milling Company, Alton, Ill. Wheat flour. 220,371; Dec. 8.
Spray Paint Company, Chicago, Ill. Prepared liquid paint. 220,041; Dec. 8.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candle holders. 204,938; Dec. 8.
Standard Oil Company, San Francisco, Calif. Gasoline. 215,279; Dec. 8.
Standard Products Corporation, New York, N. Y. Typewriter carbon paper. 220,427; Dec. 8.
Stanford Seed Company, Inc., The, Buffalo, N. Y. Seeds. 221,213–14; Dec. 8.
Starrow Chemical Co. (See De Witt, Wilbur M.)
Steward, D. M., Mfg. Company, Chattanooga, Tenn. Radio receiving sets. 219,413; Dec. 8.
Steward, D. M., Mfg. Company, Chattanooga, Tenn. Radio receiving sets. 219,699; Dec. 8.
Stittville Canning Company, Utica, N. Y. Canned fruits, berries, and vegetables, chili sauce, etc. 195,082; Dec. 8.
Stockton Paint Company, The, Stockton, Calif. Paint, liquid, paste, or semipaste, oil stain, cement, coating, etc. 221,461; Dec. 8.
Strawberry Point Packing Company. (See Henderson, O. W.)
Summit Varnish Company, Summit, Ill. Varnish. 219,211; Dec. 8.
Sunland Laboratories, Inc., Los Angeles, Calif. Sunburn lotion. 215,601; Dec. 8.
Sunset Magazine, Inc., San Francisco, Calif. Monthly magazine. 212,577; Dec. 8.
Supralock Nut Corporation, New York, N. Y. Lock nuts. 215,281; Dec. 8.
Texas Sugar Refining Company, Texas City, Tex. Refined sugar. 220,928; Dec. 8.
Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Screens, machines for projection, and stock ticker projectors. 219,700; Dec. 8.
Tri-Ergon A.-G., Zurich, Switzerland. Loud speakers. 217,806; Dec. 8.
Tri-Ergon A.-G., Zurich, Switzerland. Microphones. 217,807; Dec. 8.
Upjohn Company, The, Kalamazoo, Mich. Liquid and tablets for digestive disorders. 222,418; Dec. 8.
Vaughn Machinery Company, The, Cuyahoga Falls, Ohio. Wire-drawing machines and parts thereof. 222,480; Dec. 8.
Ventura Citrus Association, Ventura, Calif. Oranges, lemons, and grapefruit. 222,293; Dec. 8.
Vergon Son & Company, Inc., The, Delaware, Ohio. Oranges, grapefruit, and tangerines. 221,522; Dec. 8.
Virden Canning Company, San Francisco, Calif. Canned fruits, vegetables, tomatoes with purée, honey, etc. 197,847; Dec. 8.
Virden Canning Company, San Francisco, Calif. Canned and dried fruits and vegetables, tomatoes in purée, honey, etc. 197,848; Dec. 8.
Virden Canning Company, San Francisco, Calif. Canned and dried fruits and vegetables, canned tomatoes in purée, etc. 197,851; Dec. 8.
Voorhis, Charles D., Cambridge, Mass. Razor-blade holder. 219,923; Dec. 8.
Wallins Creek Coal Company, Inc., Cincinnati, Ohio. Coal. 213,106; Dec. 8.
Ward, Samuel, Manufacturing Company, Boston, Mass. Books composed of blank forms for insertion of data. 218,676; Dec. 8.
Ward, Samuel, Manufacturing Company, Boston, Mass. Memoranda books. 219,318; Dec. 8.
Ward's Products Co., Chicago, Ill. Salad dressings. 220,208; Dec. 8.
Warner, Reuben, 2, doing business as Hi-Go Tread Company, St. Paul, Minn. Detachable treads for shoes. 220,749; Dec. 8.
Washington Dairy, Davenport, Iowa. Ice cream. 217,913; Dec. 8.
Welton, P. E., Engineering Company, The, Akron, Ohio. Fuel briquettes. 220,379; Dec. 8.
Williams, J. H., & Co., Buffalo, N. Y. Wrenches. 222,057; Dec. 8.
Winget Kickernick Company, Minneapolis, Minn. Bloomers and underwear. 221,995; Dec. 8.
Yellow Cab Motor Fuel Company, Pittsburgh, Pa. Gasoline, benzol, motor fuels, oils, etc. 186,861–2; Dec. 8.
Young & Griffin Coffee Co., Inc., New York, N. Y. Coffee. 219,509; Dec. 8.
Zylocase Company, The, Newark, N. J. Leather optical-frame cases, pocketbooks, cardcases, etc. 220,056; Dec. 8.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

### CLASS 1.

Coal. Coal Hill Mining Company. 206,760; Dec. 8; Serial No. 217,817; published Sept. 22, 1925.
Hops. Premier Malt Sales Corporation. 206,798; Dec. 8; Serial No. 218,021; published Sept. 22, 1925.
Kid, Glazed and dull or "mat." Keystone Leather Co. 50,008; renewed Feb. 27, 1926.
Leather for the uppers of shoes. Robert H. Foerderer, Incorporated. 48,829; renewed Jan. 16, 1926.
Sand. Dorwin Springs Sand & Stone Company. 206,866; Dec. 8.
Sponges, Soap. B. L. Henry. 206,749–51; Dec. 8; Serial Nos. 201,345–7; published Sept. 29, 1925.

### CLASS 2.

Boxes, Paper or pasteboard shipping. Garment Center Fibre Container Corp. 206,772; Dec. 8; Serial No. 215,978; published Sept. 29, 1925.
Caskets, coffins, and fixtures therefor, Burial. National Casket Co. 49,441; renewed Feb. 6, 1926.
Oxygen containers, Liquid-. Purox Company. 206,754; Dec. 8; Serial No. 207,149; published Sept. 29, 1925.
Tanks, Septic. Bennett-Barnes Company. 206,875; Dec. 8.

### CLASS 3.

Bits, spurs, stirrups, buckles, rings, terrets, and hames. F. Eglington. 48,211; renewed Dec. 19, 1925.

### CLASS 4.

Carborundum abrasive material. Carborundum Company. 50,104; renewed Mar. 6, 1926.
Cleaning velvet, silk, and satin, and kid shoes, etc., Preparation for. Whittemore Brothers Corporation. 206,862; Dec. 8.
Soap. Haskins Bros. & Co. 49,653; renewed Feb. 13, 1926.
Soap, perfumery, and cosmetics. C. R. Bailey. 27,134; renewed Oct. 8, 1925.
Soap, Pumice. Iowa Soap Company. 50,071; renewed Mar. 6, 1926.

### CLASS 6.

Abradant. Carborundum Company. 49,394; renewed Feb. 6, 1926.
Acid, Acetyl salicylic. Monsanto Chemical Works. 206,612; Dec. 8; Serial No. 217,724; published Sept. 8, 1925.
Alcohol rubbing preparation. Rector Pharmacal Co. 206,689; Dec. 8; Serial No. 216,696; published Aug. 18, 1925.
Alkaloids, analgesics, anæsthetics, anodynes, etc. Chemische Werke Grenzach Aktiengesellschaft 206,557; Dec. 8; Serial No. 202,927; published Sept. 8, 1925.
Ammonia. Safeway Stores, Incorporated. 206,662; Dec. 8; Serial No. 217,584; published Sept. 8, 1925.
Anodyne antiseptic. A. A. Hoopman. 206,629; Dec. 8; Serial No 216,909; published Sept. 15, 1925.
Ant poison. L. A. Mattes. 206,721; Dec. 8; Serial No. 200,054; published Oct. 28, 1924.
Antiseptic and soothing preparation. E. C. De Witt & Co 206,665; Dec. 8; Serial No. 217,762; published Sept. 8, 1925.
Antiseptic, germicide, fungicide, etc. W. M. Walsh, jr. 206,616; Dec. 8; Serial No. 217,743; published Sept. 8, 1925.
Antiseptic, Liquid. Balsamea Laboratories Incorporated. 206,563; Dec. 8; Serial No. 209,611; published Sept. 29, 1925.
Antiseptic substance. Chemische Fabrik Rhenania. 27,454; renewed Dec. 10, 1925.
Baking powder. Price Baking Powder Company. 49,006; renewed Jan. 16, 1926.
Baking powder. Price Baking Powder Company. 50,421; renewed Mar. 13, 1926.
Bay rum, shampoo, perfume, powders, etc. Morgenstern & Company. 206,822; Dec. 8; Serial No. 217,357; published Sept. 22, 1925.
Bleaching waters. Ideal Bleaching Water Co. 206,606; Dec. 8; Serial No. 217,559; published Sept. 29, 1925.
Bluing. Luther Ford & Company. 206,610–1; Dec. 8; Serial Nos. 217,717–8; published Sept. 8, 1925.
Breath deodorants. H. A. Hampton. 206,571; Dec. 8; Serial No. 215,370; published Sept. 8, 1925.
Cardiotonic. P. Beiersdorf & Co. 206,619; Dec. 8; Serial No. 217,753; published Sept. 8, 1925.
Cascara, almond cream, eye lotion, etc. Smith, Kline & French Company. 206,615; Dec. 8; Serial No. 217,739; published Sept. 8, 1925.
Chemical and pharmaceutical products. "L'Appula" Società Per L'Industria Chimica Italiana. 206,752; Dec. 8; Serial No. 201,406; published Sept. 22, 1925.
Chemical bath to prevent tarnish. Silv-O-Lac Corporation. 206,635; Dec. 8; Serial No. 217,116; published Sept. 15, 1925.
Chemical cleanser for cooling system of internal-combustion engines. C. L. Funnell. 206,590; Dec. 8; Serial No. 218,404; published Sept. 29, 1925.
Chemical compounds. Renaud et Cie. of America. 206,651; Dec. 8; Serial No. 214,821; published Sept. 8, 1925.
Chemical compounds. V. Tompkins. 28,022; renewed Mar. 24, 1926.
Chemical mixture of paint and powder for a cavity filler for trees and an insecticide and disinfectant. B. Fraiser. 206,716; Dec. 8; Serial No. 208,586; published Sept. 22, 1925.
Chemical preparation adapted to be applied to steel to clean same, etc. Chemical Products Corporation. 206,654; Dec. 8; Serial No. 216,017; published Sept. 8, 1925.
Chemical products and colors for use as disinfectants. Hartmann & Hauers. 27,391; renewed Dec. 3, 1925.
Chemicals for compounding rubber. Dovan Chemical Corporation. 206,594; Dec. 8; Serial No, 218,452; published Sept. 29, 1925.
Colloidal preparation of a silver protein. H. K. Mulford Company. 206,587; Dec. 8; Serial No. 218,368; published Sept. 29, 1925.
Compound for mending leaks. C. R. Meeker. 206,634; Dec. 8; Serial No. 217,106; published Sept. 15, 1925.
Cosmetics, pastes, powders, and toilet preparations, and perfumery. Parfumerie Roger & Gallet. 206,644; Dec. 8; Serial No. 212,198; published Sept. 15,1925.
Cough cure. Kickapoo Indian Medicine Co. 50,565; renewed Mar. 20, 1926.
Cough mixtures. M. Scheinberg. 206,735; Dec. 8; Serial No. 215,314; published Sept. 15, 1925.
Cream, Vanishing. H. J. Jeffres. 206,667; Dec. 8; Serial No. 217,934; published Sept. 15, 1925.
Creams, face lotions, rouges, etc., Face, cleansing, and vanishing. Lowell Company. 206,711; Dec. 8; Serial No. 200,364; published Sept. 22, 1925.
Creams, lemon cream, tissue builder, face lotions, and face powder, Cold. Clarks Products Inc. 206,834; Dec. 8; Serial No. 216,506; published Sept. 22, 1925.
Dandruff and scalp remedy. J. C. Falvey. 206,595; Dec. 8; Serial No. 218,455; published Sept. 29, 1925.
Deodorant, Foot. J. Koffa. 206,575; Dec. 8; Serial No. 218,187; published Sept. 29, 1925.
Depilatory. Nu-Art Laboratories Inc. 206,839; Dec. 8; Serial No. 215,942; published Sept. 22, 1925.
Disinfectants and insecticides, antiseptics, etc., Poultry. Purity Chemical Products Company. 206,830; Dec. 8; Serial No. 216,934; published Sept. 22, 1925.
Douche, Medicinal and antiseptic. Orion Pharmacal Co. 206,668; Dec. 8; Serial No. 217,954; published Sept. 15, 1925.
Dye, Fur. Meisel Galland Company. 206,714; Dec. 8; Serial No. 207,941; published Sept. 22, 1925.
Dye, Fur. Meisel Galland Company. 206,715; Dec. 8; Serial No. 207,943; published Sept. 22, 1925.
Effervescent sodium-phosphate compound. H. K. Mulford Company. 206,586; Dec. 8; Serial No. 218,366; published Sept. 29, 1925.
Eye drop. Optical Chemical Co. 206,626; Dec. 8; Serial No. 216,633; published Sept. 8, 1925.
Face powders, skin lotions, rouges, etc. A. Edelstein. 206,697–8; Dec. 8; Serial Nos. 217,702–3; published Sept. 8, 1925.
Fat-reducing preparation. A. Kremer. 206,661; Dec. 8; Serial No. 217,566; published Sept. 8, 1925.
Ferments of yeast and converting agents. J. Takamine. 27,401; renewed Dec. 3, 1925.
Fly-repelling preparation. D. F. Burns. 206,576; Dec. 8; Serial No. 218,162; published Sept. 29, 1925.
Fuel constituent, Motor-. G. Wishart. 206,627; Dec. 8; Serial No. 216,705; published Sept. 8, 1925.
Fuels, Antiknock and carbon-removing preparations for. Union Creosote & Oil Company. 206,700; Dec. 8; Serial No. 215,664; published Sept. 22, 1925.
Gargle, mouth wash, and throat spray. Orion Pharmacal Co. 206,759; Dec. 8; Serial No. 217,953; published Sept. 22, 1925.
Germicides, disinfectants, etc. Monsanto Chemical Works. 206,613; Dec. 8; Serial No. 217,725; published Sept. 8, 1925.
Glycerin product. Lever Brothers Company. 206,653; Dec. 8; Serial No. 215,934; published Sept. 8, 1925.
Gum, Chewing. F. E. Bridges. 206,696; Dec. 8; Serial No. 215,436; published Sept. 8, 1925.
Hair remover. De Miracle Chemical Co. 48,207; renewed Dec. 19, 1925.
Hair restorer. D. Frugoli. 206,824; Dec. 8; Serial No. 217,269; published Sept. 22, 1925.
Hair tonic. F. Federico. 206,623; Dec. 8; Serial No. 216,592; published Sept. 8, 1925.
Hair tonic. Yvette Co. 206,622; Dec. 8; Serial No. 216,373; published Sept. 8, 1925.
Insecticide, disinfectant, and deodorant. Hygienic Sanitation Company. 206,597; Dec. 8; Serial No. 218,459; published Sept. 29, 1925.
Insecticides. Duncan, Fox & Co. 206,732; Dec. 8; Serial No. 214,242; published Sept. 15, 1925.
Insecticides and fungicides. Herbert & Herbert, Inc. 206,722; Dec. 8; Serial No. 202,453; published Sept. 8, 1925.





Iodine peroxide of hydrogen. J. Bohlander. 206,564; Dec. 8; Serial No. 212,368; published Sept. 8, 1925.
Laxative candies, Fruit. Frutex Products Co. 206,670; Dec. 8; Serial No. 218,004; published Sept. 15, 1925.
Laxative drinking water. Bingo Springs Laboratories. 206,593; Dec. 8; Serial No. 218,447; published Sept. 29, 1925.
Laxative, Natural fruit. M. A. Crane. 206,762; Dec. 8; Serial No. 217,698; published Sept. 22, 1925.
Laxative preparation, Tonic. A. Kremer. 206,660; Dec. 8; Serial No. 217,565; published Sept. 8, 1925.
Laxatives. San-I-Sal Laboratories, Inc. 206,585; Dec. 8; Serial No. 213,321; published June 23, 1925.
Lice powder. I. B. Rogers Company. 206,620; Dec. 8; Serial No. 217,799; published Sept. 29, 1925.
Liniment. J. H. Pickett. 206,728; Dec. 8; Serial No. 203,090; published Sept. 15, 1925.
Lotion for removing wrinkles. Oberheim & Co. 206,614; Dec. 8; Serial No. 217,731; published Sept. 8, 1925.
Lotion for skin diseases, etc. Wheeler Chemical Company. 206,676; Dec. 8; Serial No. 218,226; published Sept. 15, 1925.
Lung and nerve preparation. Crawford Remedy Co. 206,636; Dec. 8; Serial No. 185,748; published Sept. 15, 1925.
Lung tea, stomach powders, etc. Golden Eagle Remedy Co. 206,652; Dec. 8; Serial No. 215,148; published Sept. 15, 1925.
Lye. Mathieson Alkali Works. 206,630; Dec. 8; Serial No. 216,920; published Sept. 15, 1925.
Lye and other pipe solvents. B. T. Babbitt. 206,765; Dec. 8; Serial No. 216,665; published Sept. 22, 1925.
Lye and potash. Brookman Manufacturing Company. 49,181; renewed Jan. 30, 1926.
Meat cure, Dry. Frank Tea & Spice Co. 206,734; Dec. 8; Serial No. 214,472; published Sept. 8, 1925.
Medical compounds. Owl Drug Co. 51,942; renewed Apr. 24, 1926.
Medical preparations and serums. Behringwerke A. G. 206,740; Dec. 8; Serial No. 195,209; published Sept. 22, 1925.
Medicinal preparation. Lauber & Lauber Co. 206,592; Dec. 8; Serial No. 218,420; published Sept. 29, 1925.
Medicinal preparation for treatment of sprains, bruises, etc. Ima Products Corporation. 206,591; Dec. 8; Serial No. 218,413; published Sept. 29, 1925.
Medicinal preparation of balsam. Red Sea Balsam Co. 206,656; Dec. 8; Serial No. 216,290; published Sept. 8, 1925.
Medicinal preparations. W. H. Wyszynski. 206,618; Dec. 8; Serial No. 217,748; published Sept. 8, 1925.
Medicinal preparations for poultry. The Haller Company. 206,596; Dec. 8; Serial No. 218,458; published Sept. 29, 1925.
Medicine for asthma. J. L. Stern. 206,560; Dec. 8; Serial No. 205,375; published Sept. 29, 1925.
Medicine for headaches and rheumatic affections. E. Bouquet. 206,826; Dec. 8; Serial No. 217,203; published Sept. 22, 1925.
Medicine for lung trouble, grippe, etc. Richardson and Richardson. 206,844; Dec. 8; Serial No. 217,635; published Sept. 22, 1925.
Medicine for pneumonia. J. Staskevitch. 206,645; Dec. 8; Serial No. 212,970; published Sept. 15, 1925.
Medicine for promoting genesis among animals. John N. Tsaoussis & Son. 206,637; Dec. 8; Serial No. 200,587; published Sept. 15, 1925.
Medicine for pyorrhea and catarrh. Simmons and Belcher. 206,657; Dec. 8; Serial No. 216,566; published Sept. 15, 1925.
Medicine for rheumatism. J. H. Brown. 206,580; Dec. 8; Serial No. 217,984; published Sept. 29, 1925.
Medicine for rheumatism, asthma, pleurisy, etc. E. Capecelatro. 206,671; Dec. 8; Serial No. 218,103; published Sept. 15, 1925.
Medicine for rheumatism, lumbago, and kindred ailments. H. Cohen. 206,825; Dec. 8; Serial No. 217,209; published Sept. 22, 1925.
Medicine for use in the treatment of cholera. C. J. Kiefer. 206,829; Dec. 8; Serial No. 217,099; published Sept. 22, 1925.
Medicine, Proprietary. Dr. Kilmer & Co. 49,156; renewed Jan. 23, 1926.
Medicines. H. O. Hurley. 50,548; renewed Mar. 20, 1926.
Medicines and toilet preparations, Certain named. Boehringer & Reuss. 27,318; renewed Nov. 26, 1925.
Mono-endocrine proteins, Solutions of. Harrower Laboratory, Inc. 206,831; Dec. 8; Serial No. 216,722; published Sept. 22, 1925.
Oil, Castor. Kellogg Toasted Corn Flake Co. 206,720; Dec. 8; Serial No. 172,886; published Mar. 31, 1925.
Oil for chickens, Cod-liver. Scott & Bowne. 206,683; Dec. 8; Serial No. 217,299; published Sept. 29, 1925.
Oil for dogs, Cod-liver. Scott & Bowne. 206,680; Dec. 8; Serial No. 217,302; published Sept. 29, 1925.
Oil for foxes, Cod-liver. Scott & Bowne. 206,681; Dec. 8; Serial No. 217,301; published Sept. 29, 1925.
Oil for hens, Cod-liver. Scott & Bowne. 206,682; Dec. 8; Serial No. 217,300; published Sept. 29, 1925.
Ointment. F. Elster. 206,655; Dec. 8; Serial No. 216,031; published Sept. 15, 1925.
Ointment. Koenig Medicine Co. 206,624; Dec. 8; Serial No. 216,608; published Sept. 8, 1925.
Ointment, Orion Pharmacal Co. 206,581; Dec. 8; Serial No. 217,952; published Sept. 29, 1925.
Ointment, Antiseptic. Manatawny Products Company. 206,666; Dec. 8; Serial No. 217,887; published Sept. 15, 1925.
Oxygen and oxygen manufactured by the liquefaction process, Liquid. Purox Company. 206,713; Dec. 8; Serial No. 207,148; published Sept. 22, 1925.
Perfume. Best & Co. 206,589; Dec. 8; Serial No. 218,387; published Sept. 29, 1925.
Perfume, toilet water, face powder, and talcum. Or-Blos Company. 206,648; Dec. 8; Serial No. 214,743; published Sept. 15, 1925.
Perfumery. Renaud et Cie. of America. 206,649; Dec. 8; Serial No. 214,817; published Sept. 8, 1925.
Perfumery, toilet and talcum powders, and rouge. Meier & Frank Co. 206,675; Dec. 8; Serial No. 218,194; published Sept. 15, 1925.
Perfumery, toilet preparations, powder, toilet water, and ingredients for the bath. H. Mack. 27,568; renewed Dec. 31, 1925.
Perfumes, rouge, face powders, shampoos, and face lotions. Millin Drug Company. 206,646; Dec. 8; Serial No. 213,450; published Sept. 8, 1925.
Perfumes, toilet waters, face powders, talcum powder, etc. Milson Co. 206,827; Dec. 8; Serial No. 217,173; published Sept. 22, 1925.
Pharmaceutical and therapeutical preparations. Kalle and Company, Aktiengesellschaft. 206,674; Dec. 8; Serial No. 218,185; published Sept. 15, 1925.
Pharmaceutical and therapeutical preparations. Kalle and Company, Aktiengesellschaft. 206,802; Dec. 8; Serial No. 218,186; published Sept. 22, 1925.
Plasters, Medicenal. E. C. Lund. 206,625; Dec. 8; Serial No. 216,617; published Sept. 8, 1925.
Potash and lye. A. Mendleson & Sons. 26,908; renewed Aug. 6, 1925.
Powder, Depilatory. L. De Mir. 206,809; Dec. 8; Serial No. 218,742; published Sept. 22, 1925.
Powder for ailments of the feet. Renco Laboratories. 206,821; Dec. 8; Serial No. 217,364; published Sept. 22, 1925.
Powder, Toilet. F. N. Lewis. 206,633; Dec. 8; Serial No. 217,030; published Sept. 15, 1925.
Powder, Toilet. Jay Thorpe, Inc. 206,812; Dec. 8; Serial No. 218,311; published Sept. 22, 1925.
Powders and creams, toilet waters, etc., Face. Babbitt Company. 206,617; Dec. 8; Serial No. 217,811; published Sept. 29, 1925.
Powders and packs, skin lotions, rouges, etc., Face. A. Edelstein. 206,664; Dec. 8; Serial No. 217,701; published Sept. 8, 1926.
Powders, cold cream, lip sticks, etc., Talcum and face. Lever Brothers Company. 206,737; Dec. 8; Serial No. 216,056; published Sept. 15, 1925.
Powders, perfumes, rouges, etc., Face. Denney & Denney. 206,605; Dec. 8; Serial No. 217,548; published Sept. 8, 1925.
Powders, rouges, perfumes, etc., Liquid face. J. R. Watkins Company. 206,583; Dec. 8; Serial No. 217,908; published Sept. 29, 1925.
Powders, sachets, toilet waters, and perfumes, Face and talcum. Tokalon Chemical Corporation. 206,602; Dec. 8; Serial No. 217,805; published Sept. 29, 1925.
Preparation, Chemical. L. W. Bell. 206,694; Dec. 8; Serial No. 215,835; published Aug. 18, 1925.
Preparation for coughs, etc. Crystal Chemical Company. 206,672; Dec. 8; Serial No. 218,105; published Sept. 15, 1925.
Preparation for heartburn, gas, nausea, etc. G. J. Cervelli. 206,663; Dec. 8; Serial No. 217,695; published Sept. 8, 1925.
Preparation for hyperacidity, indigestion, and flatulence. Otis Clapp & Son, Inc. 206,726; Dec. 8; Serial No. 209,237; published Sept. 15, 1925.
Preparation for skin itching. Aktiengesellschaft vormals B. Siegfried. 206,658; Dec. 8; Serial No. 216,756; published Sept. 15, 1925.
Preparation for sore mouth and black tongue in dogs. I. F. McAdams. 206,828; Dec. 8; Serial No. 217,103; published Sept. 22, 1925.
Preparation for the hair, hair washes, and hair oils. A. Kordina. 206,849; Dec. 8; Serial 217,402; published Sept. 22, 1925.
Preparation for the relief of dyspepsia, etc. Bradley Manufacturing Co. 206,761; Dec. 8; Serial No. 217,813; published Sept. 22, 1925.
Preparation for the treatment of catarrh. H. M. Cheney. 206,669; Dec. 8; Serial No. 217,999; published Sept. 15, 1925.
Preparation for the treatment of tuberculosis, flu, coughs, etc. F. A. Hall. 206,706; Dec. 8; Serial No. 213,303; published Sept. 22, 1925.
Preparation for use as a hairdressing, etc. V. Falcone. 206,701; Dec. 8; Serial No. 215,203; published Sept. 22, 1925.
Preparation used in the treatment of pyorrhea. F. L. Dawson. 206,803; Dec. 8; Serial No. 218,249; published Sept. 22, 1925.
Preparation used to prevent sunburn. J. E. McBrady. 206,631; Dec. 8; Serial No. 216,921; published Sept. 15, 1925.

Preparations for the treatment of diseases peculiar to women. Dr. Kilmer & Co. 206,695; Dec. 8; Serial No. 215,521; published Sept. 29, 1925.
Preparations for the treatment of the feet. A. H. Sanders. 206,673; Dec. 8; Serial No. 218,143; published Sept. 15, 1925.
Remedies for amebic dysentery and spirochetal diseases. H. A. Metz Laboratories, Inc. 206,659; Dec. 8; Serial No. 216,791; published Sept. 15, 1925.
Remedies for syphilis, etc. Farbenfabriken vorm. Friedr. Bayer & Co. 206,604; Dec. 8; Serial No. 217,825; published Sept. 8, 1925.
Remedies, Livestock. Hirschauer Specialty Co. 206,628; Dec. 8; Serial No. 216,908; published Sept. 15, 1925.
Remedy, Chicken. W. B. Barrick. 206,686; Dec. 8; Serial No. 217,063; published Sept. 29, 1925.
Remedy for anemia, chlorisis, megrim, and neuralgia. Knoll & Co. 26,860; renewed July 23, 1925.
Remedy for chills, fever and ague, and malarial diseases. Dr. Decker Medicine Co. 50,365; renewed Mar. 13, 1926.
Remedy for liver disease. E. L. Andrews. 27,735; renewed Feb. 6, 1926.
Remedy, Veterinary. O. O. Hattervig. 49,096; renewed Jan. 23, 1926.
Restorative. E. H. Hammer. 27,564; renewed Dec. 31, 1925.
Rouge. Renaud et Cie. of America. 206,650; Dec. 8; Serial No. 214,820; published Sept. 8, 1925.
Sachet, bath tablets, toilet water, etc. Jay Thorpe, Inc. 206,799; Dec. 8; Serial No. 218,029; published Sept. 22, 1925.
Salt. Smoked Products Company. 206,585; Dec. 8; Serial No. 218,339; published Sept. 29, 1925.
Salve or ointment for eczema. A. G. Milkie. 206,569; Dec. 8; Serial No. 214,608; published Sept. 29, 1925.
Solutions for intramuscular and intravenous injections, Sterile. Marvell Pharmacal Co. 206,705; Dec. 8; Serial No. 213,848; published Sept. 22, 1925.
Soporifics. Firm of E. Merck. 27,388–9; renewed Dec. 3, 1925.
Starch. J. C. Hubinger Bros. Co. 26,882; renewed July 30, 1925.
Sulphur compound for soil treatment. A. R. Gregory. 206,609; Dec. 8; Serial No. 217,707; published Sept. 8, 1925.
Suppositories, Vaginal. Amera Chemical Company. 206,647; Dec. 8; Serial No. 214,452; published Sept. 15, 1925.
Tablets, Antiseptic. Warner, Woodman Co. 206,850; Dec. 8; Serial No. 217,378; published Sept. 22, 1925.
Tablets for bowel trouble in poultry. Redwood Laboratories. 206,697; Dec. 8; Serial No. 217,482; published Sept. 29, 1925.
Toilet preparations. Plough Chemical Company. 206,709; Dec. 8; Serial No. 178,189; published Sept. 22, 1925.
Toilet water. R. Hudnut's Pharmacy. 49,485; renewed Feb. 6, 1926.
Tonic for dogs, Medical. R. H. Seltzer. 206,584; Dec. 8; Serial No. 217,836; published Sept. 8, 1925.
Tonic, Medicinal. E. Marone & Co. 206,638; Dec. 8; Serial No. 203,278; published Sept. 15, 1925.
Tonic, Nerve and nutritive. Geo. A. Newman Co. 51,234; renewed Apr. 10, 1926.
Tonic, olive oil, liniment, medicine for diabetes, etc. J. Canamar. 206,748; Dec. 8; Serial No. 200,477; published Sept. 22, 1925.
Tonics and rebuilders, disintoxicants, etc., Medical. E. Rousseau. 206,642–3; Dec. 8; Serial Nos. 209,749–50; published Sept. 15, 1925.

CLASS 8.

Ash trays. Burger Stamping & Spinning Mfg. Co. 206,820; Dec. 8; Serial No. 218,597; published Oct. 6, 1925.

CLASS 9.

Ammunition. Remington Arms Company. 206,741; Dec. 8; Serial No. 197,170; published Sept. 29, 1925.
Cartridges and cartridge shells. Union Metallic Cartridge Company. 49,607; renewed Feb. 13, 1926.
Matches. Dougal Bros. 206,817; Dec. 8; Serial No. 218,743; published Oct. 6, 1925.
Matches. General Match Co. 206,819; Dec. 8; Serial No. 218,696; published Oct. 6, 1925.
Matches. Vulcan Match Co. 206,742–3; Dec. 8; Serial Nos. 198,096–7; published Sept. 29, 1925.
Matches, Safety. Suomen Osuuskauppojen Keskuskunta. R. L. 206,790; Dec. 8; Serial No. 215,106; published Oct. 6, 1925.

CLASS 12.

Brick and face brick. Fallston Fire Clay Co. 206,792; Dec. 8; Serial No. 211,346; published Sept. 29, 1925.
Brick, Fire. Ashland Fire Brick Company. 206,852; Dec. 8.
Bricks, marbles, and tiles, composition of matter formed into polished. C. E. Wright. 206,794; Dec. 8; Serial No. 209,760; published Sept. 29, 1925.
Cement blocks, Refractory. Laclede-Christy Clay Products Company. 206,766; Dec. 8; Serial No. 216,610; published Sept. 29, 1925.
Fencing, Picket. J. M. Denning. 206,837; Dec. 8; Serial No. 216,024; published Sept. 15, 1925.
Lumber and millwork, sash, windows, etc. Western Pine Manufacturers Association. 206,756; Dec. 8; Serial No. 209,887; published Sept. 29, 1925.
Shingles, Asphalt roofing. McHenry Millhouse Mfg. Co. 206,786; Dec. 8; Serial No. 217,034; published Sept. 29, 1925.
Timber, lumber, poles, posts, etc. Century Wood Preserving Company. 206,641; Dec. 8; Serial No. 209,023; published Aug. 25, 1925.
Windows, doors, blinds, moldings, etc. Morgan Sash & Door Company. 206,783; Dec. 8; Serial No. 217,175; published Sept. 29, 1925.

CLASS 13.

Holders, Price-card. D. Garfinkle. 206,876; Dec. 8.
Metal stalls, curb clamps, alignment devices, etc. Hunt, Helm, Ferris & Co. 206,738; Dec. 8; Serial No. 189,786; published Mar. 3, 1925.

CLASS 14.

Steel, Trimmer. Heppenstall Forge & Knife Company. 206,805; Dec. 8; Serial No. 219,034; published Sept. 29, 1925.
Zinc and spelter, Slab. General Metals Refining Company. 206,804; Dec. 8; Serial No. 219,069; published Sept. 29, 1925.

CLASS 16.

Paints, Powdered. W. H. Kemp Co. 46,559; renewed Sept. 26, 1925.

CLASS 19.

Automobile bumpers. Laher Auto Spring Co. 206,777; Dec. 8; Serial No. 210,174; published Sept. 29, 1925.
Bicycles, quadricycles, etc., and their accessories. Adams & Westlake Company. 27,681–2; renewed Jan. 21, 1926.
Steering devices and parts thereof, Motor-vehicle. Moon Brothers Manufacturing Company. 206,782; Dec. 8; Serial No. 217,284; published Sept. 29, 1925.
Trucks, Motor. Service Motor Truck Co. 206,718; Dec. 8; Serial No. 138,950; published July 21, 1925.
Wagons, trucks, sleighs, buggies, etc. Schurmeier-Whitney Company. 206,789; Dec. 8; Serial No. 215,420; published Sept. 29, 1925.

CLASS 21.

Electrical supplies. Electric Appliance Company. 27,468; renewed Dec. 10, 1925.

CLASS 23.

Automobile accelerator pedal. Accelrite Manufacturing Co. 206,814; Dec. 8; Serial No. 219,159; published Sept. 29, 1925.
Buckets with pump attached, Grease. Bennett Pumps Corporation. 206,703; Dec. 8; Serial No. 215,127; published Sept. 22, 1925.
Cash registers. Federal Cash Register Company. 206,810; Dec. 8; Serial No. 218,617; published Sept. 29, 1925.
Clamps, pliers, tongs, wrenches, etc. Mauser-Werke Aktiengesellschaft. 206,710; Dec. 8; Serial No. 197,550; published Sept. 15, 1925.
Drill chucks. Oberlin Manufacturing Company. 206,818; Dec. 8; Serial No. 218,715; published Sept. 29, 1925.
Handles for shovels, etc., Handle tops for D. American Fork & Hoe Company. 206,556; Dec. 8; Serial No. 199,740; published Apr. 28, 1925.
Hatchets, axes, and adzes. James C. Lindsay Hardware Co. 49,155; renewed Jan. 23, 1926.
Knife sharpeners. M. G. Goff. 206,863; Dec. 8.
Knives, Pocket and other. A. Baldwin & Co., Ltd. 28,181; renewed Apr. 21, 1926.
Machines for infolding blanks of fabric or other sheet material. Reece Folding Machine Company. 206,871; Dec. 8.
Metal articles of merchandise, hardware, etc., and parts of the foregoing machines. Machines for producing. Polte. 206,755; Dec. 8; Serial No. 208,160; published Sept. 29, 1925.
Mowers, Lawn. Blair Manufacturing Company. 206,848; Dec. 8; Serial No. 217,443; published Sept. 22, 1925.
Pistons. Kant-Skore Piston Company. 206,768; Dec. 8; Serial No. 216,465; published Sept. 22, 1925.
Tools, Hay. F. E. Myers & Bro. Co. 206,744; Dec. 8; Serial No. 158,783; published Dec. 2, 1924.
Tractors and silo fillers. Fox River Tractor Co. 206,815; Dec. 8; Serial No. 218,847; published Sept. 29, 1925.
Vacuum cleaners. B. I. Malouf. 206,712; Dec. 8; Serial No. 206,791; published Sept. 22, 1925.

CLASS 26.

Gauges, comparators, and dial indicators, Lens and other. Federal Products Corporation. 206,808; Dec. 8; Serial No. 218,804; published Sept. 29, 1925.
Ophthalmic mountings and parts thereof. Bausch and Lomb Optical Company. 206,776; Dec. 8; Serial No. 212,314; published Sept. 29, 1925.
Scales. Weighing or measuring. Buffalo Scale Co. 27,464; renewed Dec. 10, 1925.



CLASS 30.

Crockery cooking utensils, flowerpots, vases, etc. Abraham & Straus, Inc. 206,746; Dec. 8; Serial No. 200,297; published Sept. 29, 1925.
Delft ware. Joost Thooft & Labouchere. 27,287; renewed Nov. 19, 1925.

CLASS 32.

Cabinets and tables, Kitchen. Abraham & Straus, Inc. 206,872; Dec. 8.

CLASS 33.

Bottles, Glass. American Glass Works, Incorporated. 206,753; Dec. 8; Serial No. 205,506; published Mar. 17, 1925.

CLASS 34.

Burners, Gas. Cleveland Gas Burner & Appliance Company. 206,856; Dec. 8.
Heaters, Gas. Estate Stove Company. 206,764; Dec. 8; Serial No. 216,902; published Sept. 22, 1925.
Stoves. Abraham & Straus, Inc. 206,873; Dec. 8.
Stoves, furnaces, and ranges. Favorite Stove & Range Co. 48,953; renewed Jan. 16, 1926.

CLASS 35.

Packings. Kensbey & Mattison Company. 49,526; renewed Feb. 6, 1926.

CLASS 36.

Drums. Duplex Manufacturing Company. 49,851; renewed Feb. 20, 1926.
Pianos and piano players, Self-playing. Autopiano Company. 51,161; renewed Apr. 3, 1926.

CLASS 37.

Erasers, Blackboard. J. Lynn. 206,869; Dec. 8.
Paper, Fine Writing. Hampshire Paper Co. 27,475; renewed Dec. 17, 1925.
Paper, Writing. F. T. Burkhardt. 206,867; Dec. 8.
Stationery. E. Faber. 51,227; renewed Apr. 10, 1926.

CLASS 39.

Bath robes and kimonos. Korach Brothers. 206,847; Dec. 8; Serial No. 217,468; published Sept. 22, 1925.
Bath robes, buntings, sacks, gowns, and wrappers, Infants'. M. H. Feldman. 206,699; Dec. 8; Serial No. 215,687; published Sept. 22, 1925.
Boots and shoes. W. B. Coon Co. 206,758; Dec. 8; Serial No. 216,507; published Sept. 29, 1925.
Boots and shoes. Helmholz Shoe Mfg. Co. 206,566; Dec. 8; Serial No. 213,642; published Sept. 8, 1925.
Boots and shoes. Helmholz Shoe Mfg. Co. 206,731; Dec. 8; Serial No. 213,641; published Sept. 8, 1925.
Boots and shoes. Lynchburg Shoe Company. 206,640; Dec. 8; Serial No. 208,411; published Sept. 15, 1925.
Brassières, household aprons, rubber gloves, Swimming. Seamless Rubber Company. 206,835; Dec. 8; Serial No. 216,228; published Sept. 15, 1925.
Capes, furs, corsets, dresses, etc. for women. M. S. Scheinman & Co. 206,558; Dec. 8; Serial No. 203,333; published Sept. 29, 1925.
Coats, vests, pants, and overcoats, Men's. Wear Well Pants Co. 206,702; Dec. 8; Serial No. 215,192; published Sept. 22, 1925.
Collars and shirts. Hall, Hartwell & Co. 206,679; Dec. 8; Serial No. 217,342; published Sept. 29, 1925.
Corsets, brassières, and textile underwear. Kops Bros. Inc. 206,621; Dec. 8; Serial No. 216,188; published Sept. 8, 1925.
Dresses. Sherr Bros. 206,573; Dec. 8; Serial No. 218,275; published Sept. 29, 1925.
Dresses, coats, and costumes. I. G. Heller & Sons. 206,879; Dec. 8.
Furs. J. Handelman & Son. 206,832; Dec. 8; Serial No. 216,676; published Sept. 29, 1925.
Gloves. D. Power & Sons Limited. 206,773; Dec. 8; Serial No. 215,875; published Sept. 22, 1925.
Gloves, Leather. Alexandrine. 206,729; Dec. 8; Serial No. 213,155; published Sept. 1, 1925.
Gloves, Leather. Fownes Brothers & Co. 206,811; Dec. 8; Serial No. 218,359; published Sept. 29, 1925.
Hats, Phil. A. Haile, Incorporated. 206,836; Dec. 8; Serial No. 216,043; published Sept. 15, 1925.
Hats, Superior Hat Co. 206,797; Dec. 8; Serial No. 190,657; published Sept. 29, 1925.
Hats and caps. E. M. Knox. 50,790; renewed Mar. 6, 1926.
Hats, caps, sweaters, mufflers, and leggings. Aldine Knitting Mills. 206,639; Dec. 8; Serial No. 207,113; published Sept. 15, 1925.
Hats for women and children. Lilienthals, Inc. 206,733; Dec. 8; Serial No. 214,332; published Sept. 1, 1925.
Hats, Ladies' and children's. Ma Bell Hats Inc. 206,823; Dec. 8; Serial No. 217,282; published Sept. 15, 1925.
Hats, Ladies' and misses'. E. E. Magnus. 206,801; Dec. 8; Serial No. 218,130; published Sept. 29, 1925.
Hats, Men's straw. Blum & Koch, Inc. 206,840; Dec. 8; Serial No. 215,732; published Sept. 15, 1925.
Hats, Misses'. I. D. Lindenbaum. 206,843; Dec. 8; Serial No. 217,679; published Sept. 15, 1925.
Hats, Straw. Caradine Harvest Hat Company. 206,813; Dec. 8; Serial No. 218,291; published Sept. 29, 1925.
Hats, trimmed hats, and hat frames, Ladies'. Samuel Ach Company. 206,838; Dec. 8; Serial No. 216,004; published Sept. 15, 1925.
Heels, tips, soles, and pads for boots and shoes. I. T. S. Rubber Co. 206,775; Dec. 8; Serial No. 214,163; published Sept. 29, 1925.
Hosiery. Cooper, Wells & Co. 50,780; renewed Mar. 27, 1926.
Hosiery. Elliott Hosiery Company. 206,868; Dec. 8.
Hosiery. John M. Given Company. 206,846; Dec. 8; Serial No. 217,553; published Sept. 22, 1925.
Hosiery. Hanne & Company. 206,688; Dec. 8; Serial No. 216,904; published Sept. 29, 1925.
Hosiery. H. J. Janover. 206,857; Dec. 8.
Hosiery. J. E. Luddy. 206,579; Dec. 8; Serial No. 218,071; published Sept. 29, 1925.
Hosiery. Mission Hosiery Mills. 206,704; Dec. 8; published 215,085; published Sept. 22, 1925.
Hosiery. Oneida Hosiery Company. 50,943; renewed Apr. 3, 1926.
Hosiery. Vertex Hosiery Mills, Inc. 206,588; Dec. 8; Serial No. 218,381; published Sept. 29, 1925.
Hosiery and garters. Kaufmann Department Stores, Inc. 206,842; Dec. 8; Serial No. 217,715; published Sept. 22, 1925.
Hosiery and underwear. Elting Brothers. 206,833; Dec. 8; Serial No. 216,671; published Sept. 22, 1925.
Overcoats and suits, Men's. Sherman & Sons, Inc. 206,577; Dec. 8; Serial No. 218,145; published Sept. 29, 1925.
Overcoats, sporting suits, pull-overs, etc. Wallace, Scott & Co. 206,568; Dec. 8; Serial No. 214,194; published Sept. 29, 1925.
Pyjamas and nightshirts. M. Natelson. 206,757; Dec. 8; Serial No. 209,933; published Sept. 22, 1925.
Scarfs, bath robes, hosiery, sweaters, etc. The Hub, Henry C. Lytton & Sons. 206,878; Dec. 8.
Shirts. Cluett, Peabody & Co. 206,574; Dec. 8; Serial No. 218,245; published Sept. 29, 1925.
Shirts. Cluett, Peabody & Co. 206,855; Dec. 8.
Shirts. Guaranty Shirt Co. 206,859; Dec. 8.
Shirts. A. Weinberg. 206,854; Dec. 8.
Shirts, Men's dress. Mylish, Mann & Drucker. 206,707; Dec. 8; Serial No. 212,343; published Sept. 29, 1925.
Shoes. J. J. Daly. 206,774; Dec. 8; Serial No. 214,462; published Sept. 29, 1925.
Shoes. Marshall Field & Company. 206,767; Dec. 8; Serial No. 216,519; published Sept. 22, 1925.
Shoes. S. N. Meyer, Inc. 206,771; Dec. 8; Serial No. 215,990; published Sept. 22, 1925.
Shoes and slippers. Quackenbush Company. 206,874; Dec. 8.
Shoes having rubber soles, Leather. Lambertville Rubber Company. 206,800; Dec. 8; Serial No. 218,064; published Sept. 29, 1925.
Shoes, Men's. Charles A. Eaton Company. 206,727; Dec. 8; Serial No. 211,669; published Sept. 15, 1925.
Skirts. Weisman & Weisman. 206,858; Dec. 8.
Suits, Boys'. The Hub. 206,578; Dec. 8; Serial No. 218,123; published Sept. 29, 1925.
Suits, overcoats, caps, etc., Men's. Langrock Clothing Company. 206,582; Dec. 8; Serial No. 217,936; published Sept. 29, 1925.
Sweater coats. J. C. W. Rahn. 206,845; Dec. 8; Serial No. 217,580; published Sept. 22, 1925.
Undergarments, Men's union textile-fabric. A. Abramowski. 206,684; Dec. 8; Serial No. 217,239; published Sept. 29, 1925.
Underwear, step-ins, vests, etc. American Lady Corset Co. 206,570; Dec. 8; Serial No. 215,123; published Sept. 29, 1925.
Underwear, Women's and misses'. James McCreery & Company. 206,685; Dec. 8; Serial No. 217,104; published Sept. 29, 1925.
Waistcoats. Catoir Silk Co. 206,724; Dec. 8; Serial No. 203,873; published Sept. 8, 1925.

CLASS 40.

Laces, Shoe. N. Berk. 206,554; Dec. 8; Serial No. 193,210; published July 21, 1925.

CLASS 42.

Carpets and rugs, Textile. Hardwick & Magee Company. 206,780; Dec. 8; Serial No. 217,708; published Sept. 29, 1925.
Cotton piece goods. Dallas Manufacturing Co. 206,708; Dec. 8; Serial No. 211,982; published June 23, 1925.
Cotton piece goods. Eagle & Phenix Mills. 50,716; renewed Mar. 27, 1926.
Cotton piece goods. Massachusetts Cotton Mills. 48,285; renewed Dec. 19, 1925.
Crêpe satin in the piece. Pen-I-Sauken Silk Mill. 206,778; Dec. 8; Serial No. 218,138; published Sept. 29, 1925.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 206,779; Dec. 8; Serial No. 218,043; published Sept. 29, 1925.
Handkerchiefs. Magnus Imports, Ltd. 206,769; Dec. 8; Serial No. 216,197; published Sept. 29, 1925.
Linen, woolen, cotton, silk, and velvet piece goods, lace, towels, etc. Abraham & Straus, Inc. 206,747; Dec. 8; Serial No. 200,298; published Sept. 29, 1925.

Ribbons, velvets, and silks in the piece. Colcombet F. & Cie., Societe Anonyme. 206,793; Dec. 8; Serial No. 210,829; published Sept. 29, 1925.
Rugs, Textile. C. H. Masland & Sons. 206,784; Dec. 8; Serial No. 217,168; published Oct. 6, 1925.
Shade cloth, Window. Kemitex Products Company. 206,791; Dec. 8; Serial No. 211,936; published Oct. 6, 1925.
Shirtings, sheetings, cambrics, and long cloth. Grinnell Willis & Co. 50,172; renewed Mar. 6, 1926.
Shirtings, and sheetings, cambrics, and long cloth. Grinnell Willis & Co. 50,309–12; renewed Mar. 6, 1926.
Shirtings and sheetings, cambrics, and long cloth. Grinnell Willis & Co. 50,314–20; renewed Mar. 6, 1926.
Shirtings and sheetings, cambrics, and long cloth. Grinnell Willis & Co. 50,436; renewed Mar. 13, 1926.
Silk goods in the piece. Louis Roessel & Co. 206,781; Dec. 8; Serial No. 217,483; published Oct. 6, 1925.
Worsted and woolen piece goods. D. S. Mackay & Co. 206,787; Dec. 8; Serial No. 216,417; published Sept. 29, 1925.

CLASS 43.

Yarn, Woolen. Norddeutsche Wollkämmerei & Kammgarnspinnerei. 206,788; Dec. 8; Serial No. 216,070; published Sept. 29, 1925.

CLASS 44.

Dental floss, Flat. Johnson & Johnson. 206,816; Dec. 8; Serial No. 218,816; published Sept. 29, 1925.
Dental products. M. D. Barkann and E. M. Weinberg. 206,717; Dec. 8; Serial No. 210,879; published May 26, 1925.
Inhaler. C. L. Scheu. 206,806; Dec. 8; Serial No. 218,830; published Sept. 29, 1925.
Medical and dental apparatus and appliances. Reiniger, Gebbert & Schall Aktiengesellschaft. 206,691; Dec. 8; Serial No. 216,359; published Sept. 22, 1925.
Nail files, cuticle knives, and corn knives. Etablissements Ch. Loonen. 206,860–1; Dec. 8.
Sanitary napkins. Felix Mercantile Co. 206,807; Dec. 8; Ser. No. 218,808; published Sept. 29, 1925.

CLASS 45.

Beverages and sirups for same. T. Moore. 206,853; Dec. 8.

CLASS 46.

Anchovies. Hijos de C. Albo. 206,553; Dec. 8; Serial No. 192,513; published Aug. 25, 1925.
Apples. W. Crossley. 206,877; Dec. 8.
Apples, Fresh. Kelly Bros. Co. 206,795–6; Dec. 8; Serial Nos. 207,997–8; published Sept. 1, 1925.
Bean and rice pastes. Norio Company. 206,693; Dec. 8; Serial No. 216,205; published Sept. 29, 1925.
Biscuits. R. Maurice & Co. 206,841; Dec. 8; Serial No. 217,941; published Sept. 22, 1925.
Bread. O. G. Petterson. 26,702; renewed June 18, 1925.
Candy. M. C. Bradley. 206,601; Dec. 8; Serial No. 218,788; published Sept. 29, 1925.
Candy. Crane Chocolate Co. 206,599; Dec. 8; Serial No. 218,739; published Sept. 29, 1925.
Candy. Crystal Candy Company. 206,600; Dec. 8; Serial No. 218,740; published Sept. 29, 1925.
Candy. Goody Mints of America, Inc. 206,736; Dec. 8; Serial No. 216,038; published Aug. 4, 1925.
Candy. Wanta Mint Company. 206,677; Dec. 8; Serial No. 217,192; published Sept. 29, 1925.
Canned corn. Iroquois Canning Corporation. 206,725; Dec. 8; Serial No. 208,145; published Apr. 28, 1925.
Canned fish. Iwan Burger, Inc. 206,698; Dec. 8; Serial No. 212,231; published Sept. 22, 1925.
Canned fruits and vegetables. Hunt Brothers Packing Company. 206,728; Dec. 8; Serial No. 213,088; published July 21, 1925.
Canned fruits and vegetables and mincemeat. Central Wholesale Grocers. 206,719; Dec. 8; Serial No. 163,379; published Sept. 1, 1925.
Canned fruits, berries, vegetables, sauerkraut, etc. Reid, Murdoch & Co. 206,555; Dec. 8; Serial No. 199,128; published Sept. 29, 1925.
Canned goods. Hamburgh Canning Company. 27,443; renewed Dec. 10, 1925.
Canned goods. Sprague, Warner & Co. 27,099; renewed Sept. 24, 1925.
Canned tomatoes. Corrado Bros. 206,603; Dec. 8; Serial No. 217,819; published Sept. 29, 1925.
Canned vegetables. Hanover Canning Company. 206,598; Dec. 8; Serial No. 218,638; published Sept. 29, 1925.
Canned vegetables. Chas. T. Wrightson & Son. 206,567; Dec. 8; Serial No. 213,874; published Sept. 29, 1925.
Cantaloupes, Fresh. I. D. Hale. 206,632; Dec. 8; Serial No. 217,026; published Sept. 8, 1925.
Coffee. Independence Coffee and Spice Co. 50,299; renewed Mar. 6, 1926.
Coffee, Prepared. L. H. Parke & Co. 27,938; renewed Mar. 10, 1926.
Coffee substitutes. F. Anliker. 206,678; Dec. 8; Serial No. 217,385; published Sept. 29, 1925.
Coffee substitutes. Kathreiner's Malzkaffee-Fabriken mit beschränkter Haftung. 27,437; renewed Dec. 8, 1925.
Confectionery. W. F. Schrafft & Sons. 27,031; renewed Sept. 3, 1925.
Confectionery. Wright & Moody. 27,694; renewed Jan. 28, 1926.
Corn meal. Gulfport Grocery Company. 50,444; renewed Mar. 20, 1926.
Currants, sandwich spread, etc., Dried. Western Grocer Company. 206,690; Dec. 8; Serial No. 216,574; published Sept. 29, 1925.
Dairy products. T. W. Brady & Co. 27,741; renewed Feb. 4, 1926.
Dates. A. Rannou et Cie. 206,561; Dec. 8; Serial No. 208,067; published Apr. 21, 1925.
Flour, peanut butter, evaporated milk, etc., Wheat. Durand-McNeil-Horner Co. 206,739; Dec. 8; Serial No. 191,817; published Sept. 29, 1925.
Flour, Wheat. Empire Milling Company. 206,692; Dec. 8; Serial No. 216,263; published Sept. 22, 1925.
Flour, Wheat. Higginsville Milling Company. 27,820; renewed Feb. 18, 1926.
Flour, Wheat. Thornton & Chester Milling Co. 50,305; renewed Mar. 6, 1926.
Flour, Wheat. Wells-Abbott-Nieman Co. 206,572; Dec. 8; Serial No. 217,312; published Sept. 29, 1925.
Fruits, Fresh citrous. Magnolia Citrus Association. 206,864; Dec. 8.
Fruits, Fresh deciduous. Yakima Fruit & Cold Storage Company. 206,730; Dec. 8; Serial No. 213,272; published June 9, 1925.
Fruits preserved in brandied sirups. G. B. Raffetto Inc. 206,687; Dec. 8; Serial No. 216,990; published Sept. 29, 1925.
Meats, Sugar-cured. Jacob Vogel & Son. 28,032; renewed Mar. 31, 1926.
Melons, peaches, and cantaloupes, Fresh. E. C. Bauman. 206,559; Dec. 8; Serial No. 204,812; published Sept. 29, 1925.
Oil, Olive. Martí y Gutiérres. 206,552; Dec. 8; Serial No. 181,203; published Sept. 29, 1925.
Pickles, chowchow, horse-radish, etc. Bloch & Guggenheimer, Inc. 206,763; Dec. 8; Serial No. 217,067; published Sept. 29, 1925.
Prunes, Fresh. A. Swall & Sons. 206,870; Dec. 8.
Rice. Goldberg, Bowen & Lebenbaum. 26,970; renewed Aug. 20, 1925.
Salads and salad dressings, fruit relishes, etc. Schlorer Delicatessen Co. 206,865; Dec. 8.
Sausage, Pork. C. Kalbitzer Packing Company. 206,562; Dec. 8; Serial No. 208,852; published Sept. 29, 1925.
Spices, flavoring extracts, and manufactured coconut. Citizen's Wholesale Supply Co. 27,817; renewed Feb. 18, 1926.
Tea. Sprague, Warner & Co. 26,967; renewed Aug. 20, 1925.
Tea. Sprague, Warner & Company. 51,484; renewed Apr. 17, 1926.
Vegetable fat. I. Rokeach & Sons, Inc. 206,851; Dec. 8.

CLASS 47.

Wine. Pleasant Valley Wine Co. 50,335; renewed Mar. 13, 1926.

CLASS 49.

Spirits. American Spirits Manfg. Co. 27,811; renewed Feb. 18, 1926.
Whisky. Bernheim Distilling Co. 48,571; renewed Jan. 2, 1926.
Whisky. Mellwood Distillery Company. 27,770; renewed Feb. 11, 1926.
Whisky. Mellwood Distillery Company. 27,959; renewed Mar. 17, 1926.
Whisky. Mellwood Distillery Co. 28,037; renewed Mar. 31, 1926.

CLASS 50.

Memorial tablets. J. Haggenjos. 206,785; Dec. 8; Serial No. 217,092; published Sept. 29, 1925.
Tarpaulins and aprons. Allied Belting Company. 206,745; Dec. 8; Serial No. 198,102; published Sept. 29, 1925

# ALPHABETICAL LIST OF LABELS.

Arm-O Poudre. For a Powder Used to Prevent Odor of Perspiration. E. L. Fairchild. 29,599; Dec. 8.
Bran Goodies. For Confectionery. C. L. Dean. 29,596; Dec. 8.
Bret Harte Brand Tuolumne Mountain Apples. For Apples. Tuolumne Apple Growers' Association. 29,627; Dec. 8.
C's Corn and Callous Cure. For Salve. B. M. Seager. 29,622; Dec. 8.
C-T-C Coch That Cough, Cough Syrup. For Cough Sirup. Page-Hudson. 29,612; Dec. 8.
California C & G Brand. For Bleaching Water. California Bleaching Water Co. 29,593; Dec. 8.
Canadian Club. For Ginger Ale. Canadian Club Corporation. 29,594; Dec. 8.
De Vinny. For Fresh Grapes. R. H. De Vinny. 29,597; Dec. 8.
El Dorado, The Perfect Face Cream. For Facial Toilet Creams. George E. Cox and Sons. 29,595; Dec. 8.
Freeman's Dust Absorber. For Freeman's Dust Absorber. Freeman Dust Absorber Manufacturing Company. 29,600; Dec. 8.
Glendale. For Butter. Tilden Produce Co. 29,626; Dec. 8.
Jolly Boy. For Soft Drink. Jackson Brewing Company. 29,601; Dec. 8.
Marca Frantoio. For Olive Oil. E. Martini. 29,608; Dec. 8.
Martin's Four-In-One. For White-Diarrhea Tablets for Baby Chicks. W. E. Martin. 29,607; Dec. 8.
Meadow Queen. For Butter. F. J. Kaufman. 29,602; Dec. 8.
Molly Stark. For Vanishing Cream. L. M. Stark. 29,623; Dec. 8.
Napoleon's French Dressing. For Salad Dressing. A. G. Browne. 29,591; Dec. 8.
Nutwheat. For a Cereal Breakfast Food. J. W. Limbert. 29,605; Dec. 8.
Ocean-O. For a Bottle Containing a Regulating Tonic and Detoxicant. Oceano Products Company. 29,611; Dec. 8.
Ocean-O. For a Carton in Which a Bottle is Inclosed Containing a Regulating Tonic and Detoxicant. Oceano Products Company. 29,610; Dec. 8.
Off or On. For Game. W. S. Tenney. 29,625; Dec. 8.
Old German Lager. For Malt Extracts and Liquors—Namely, Old German Lager. H. D. Stratton. 29,624; Dec. 8.
Once-A-Day Foot Balm. For a Foot Balm. W. A. Reeves. 29,617; Dec. 8.
Pal Laxative Jelly. For Pal Laxative Jelly. Pal Pharmacal Co. 29,618; Dec. 8.
Peggy Palmer Frocks. For Ladies' Frocks. Peggy Palmer Garment Co. 29,614; Dec. 8.
Queen. For Honey Nut Spread. E. Sauter. 29,620; Dec. 8.
Radiumora. For an Appliance Used for Charging Fluids, Particularly Drinking Water with Radioactivity. Radiumora Appliance Company. 29,616; Dec. 8.
Red Circle Home Mades. For Candy. Milwaukee Paper Box Co. 29,609; Dec. 8.
Renew-All. For Surface Finishing and Preserving Compound. Renew-All Manufacturing Co. 29,618; Dec. 8.
S. M. Phillips Flour Mills 4 Big Four Pancake and Waffle Flour. For Pancake and Waffle Flour. S. M. Phillips Flour Mills. 29,615; Dec. 8.
Sahara Dry Storage Battery. For Dry Storage Batteries. Sahara Dry Battery Company. 29,619; Dec. 8.
Skin-Tone. For Skin Liquid Powder. A. J. Krank Mfg. Co. 29,603; Dec. 8.
Skookum. For Table Sirup. D. B. Scully Syrup Company. 29,621; Dec. 8.
Storm-Seal. For Asbestos Roof Renewer. L. W. McDaniel. 29,606; Dec. 8.
Tux. For Ginger Ale. H. R. Land. 29,604; Dec. 8.
Twistop. For Package Salt. Twistop Products Corporation. 29,628; Dec. 8.
White House Candies. For Candies. B. S. & S. M. Bushman. 29,592; Dec. 8.
Zovia. For a Concentrated Mineral Water. Electric Poultry Product Company. 29,598; Dec. 8.

# ALPHABETICAL LIST OF PRINTS.

A Formula For Cereal Gruel In Difficult Feeding Cases. For Wheat Breakfast Food. Cream of Wheat Co. 8,431; Dec. 8.
Bottlers Bureau Surrounds and Protects the Bottling Industry. For Bottled Beverages. United Mercantile Agencies. 8,454; Dec. 8.
'But, my dear, how can you look so fresh and beautiful when—'. For Pharmaceutical Preparation for Relieving Pain. Barbasol Company. 8,430; Dec. 8.
'But, my dear, I Thought'. For Parmaceutical Preparation for Relieving Pain. Barbasol Company. 8,427; Dec. 8.
Character Shoes. For Shoes. London Shoe Company, Inc. 8,445; Dec. 8.
Cunningham Radio Tubes bring Enjoyment to Children. For Radiotubes. E. T. Cunningham, Inc. 8,440; Dec. 8.
Cunningham Radio Tubes bring Jazz from the Big Hotels. For Radiotubes. E. T. Cunningham, Inc. 8,436; Dec. 8.
Cunningham Radio Tubes bring News from Santa Claus. For Radiotubes. E. T. Cunningham, Inc. 8,434; Dec. 8.
Cunningham Radio Tubes bring Noted Artists to Your Home. For Radiotubes. E. T. Cunningham, Inc. 8,438; Dec. 8.
Cunningham Radio Tubes bring "Sports" News through the Air. For Radiotubes. E. T. Cunningham, Inc. 8,437; Dec. 8.
Cunningham Radio Tubes bring the Important Market Reports. For Radiotubes. E. T. Cunningham, Inc. 8,433; Dec. 8.
Cunningham Radio Tubes have great Educational Value. For Radiotubes. 8,435; Dec. 8.
Cunningham Radio Tubes put Smiles on Tired Men's Faces. For Radiotubes. E. T. Cunningham, Inc. 8,432; Dec. 8.
Equal to the Best—Better than the Rest. For Coffee. J. M. McCracken Co. 8,446; Dec. 8.
Insulin Squibb. For Insulin. E. R. Squibb & Sons. 8,451; Dec. 8.
Julian Goldman New Money-Saving Clothing Plan. For Clothing. Julian Goldman Stores, Inc. 8,441; Dec. 8.
Leschin Zig-Zag. For Hosiery. Leschin, Inc. 8,444; Dec. 8.
'My dear, I'm afraid I'll have to stay home.' For Pharmaceutical Preparation for Relieving Pain. Barbasol Company. 8,429; Dec. 8.
Pandora Day. For Coats, Dresses, Hosiery, Gloves, Knickers, Umbrellas, Hand Bags, Hatboxes, Slickers, and Underthings. Yallsove & Sigmund. 8,455; Dec. 8.
"Pet" Lung Mixture for Coughs, Colds, Asthma, Etc. For a Tonic and Laxative Used in the Treatment of Coughs and Colds. H. G. Seyfarth. 8,450; Dec. 8.
Rich's Ryota. For a Cereal Product and Flour Composed of Oats and Rye. Purity Oats Company. 8,447; Dec. 8.
Rittenhouse Fore-Arm Carrier. For Receptacle and Baggage Carriers. C. Rittenhouse, jr. 8,448; Dec. 8.
Schlage Button-Locks. For Door Locks. Schlage Company. 8,449; Dec. 8.
'So you've taken Mr. Willard's place!' For Pharmaceutical Preparation for Relieving Pain. Barbasol Company. 8,428; Dec. 8.
Standard Odor Improved Mange Medicine. For Mange Medicine. Standard Veterinary Products Co. 8,452; Dec. 8.
Star Brand Copper Nails, Tacks, and Brass Escutcheon Pins. For Copper Nails, Tacks, and Brass Escutcheon Pins. U. T. Hungerford Brass & Copper Co. 8,443; Dec. 8.
The Newsograph. A Business Builder. For an Automatic Stereopticon Machine. E. Sternfels. 8,453; Dec. 8.
United Grocers. The Blue Front Stores. For Groceries. Hancock-Nelson Mercantile Company. 8,442; Dec. 8.
We use and recommend Cunningham Radio Tubes. For Radiotubes. E. T. Cunningham, Inc. 8,439; Dec. 8.

# CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

### CLASS 1.

Briquettes, Fuel. P. E. Welton Engineering Company. 220,379; Dec. 8.
Coal. Green River Fuel Company. 217,091; Dec. 8.
Coal. Wallins Creek Coal Company. 213,106; Dec. 8.
Moss, Cured ginned Spanish. Louisiana Moss Products Co. 220,549; Dec. 8.
Seeds. J. Loewith. 181,408; Dec. 8.
Seeds. Stanford Seed Company. 221,213–4; Dec. 8.

### CLASS 2.

Bottles, Vacuum. W. T. Grant Company. 221,485; Dec. 8.
Boxes, baskets, and crates. Anderson Box & Basket Co. 220,390; Dec. 8.

### CLASS 3.

Cases and fitting for same, kit bags, and hat boxes, Limousine tray, etc. Miller-Closman Company. 217,172; Dec. 8.
Optical-frame cases, pocketbooks, cardcases, etc., Leather. Zylocase Company. 220,056; Dec. 8.
Toilet kits and traveling cases, Rubber. Kase-Quinby Rubber Co. 218,417; Dec. 8.

### CLASS 4.

Cleaner, Metal. J. B. Ford Company. 220,124; Dec. 8.
Cleaning and cleansing materials. J. B. Ford Company. 220,121; Dec. 8.
Cleaning, cleansing, and detergent materials. J. B. Ford Company. 220,120; Dec. 8.
Cleaning preparation. Fresno Chemical Co. 218,546; Dec. 8.
Cleanser in powder form. M. Levin. 219,398; Dec. 8.
Polish, Metal. H. W. Howard. 220,191; Dec. 8.
Soap and cleaners. Minute Chemical Co. 220,558; Dec. 8.
Soap and cleansing compounds. H. J. Kohl. 203,082; Dec. 8.

### CLASS 6.

Anæsthetic. British Drug Houses, Limited. 222,438; Dec. 8.
Anæsthetic, Local. Dr. F. A. Ross. 222,484; Dec. 8.
Antifreeze mixture for radiator use. Procter & Gamble Company. 222,278; Dec. 8.
Automobile radiators, Nonfreezing solution for. Polar Products Company. 216,430; Dec. 8.
Cleansing and soothing cream, cleansing lotion, etc. Tecla Seedor. 217,307; Dec. 8.
Composition for stopping leaks in radiators, steam and hot-water heating systems, etc. C. W. Gould. 221,417; Dec. 8.
Cream, face powder, and rouge, Face. Flapper Novelty Company. 189,712; Dec. 8.
Cream, Skin-bleaching. Magic Bleach Manufacturing Co. 218,496; Dec. 8.
Creams, face packs, perfumes, sachets, etc., Face. H. W. McWhorter. 222,388; Dec. 8.
Deodorants. F. N. Lewis. 222,329; Dec. 8.
Dye, Hair. Longo Instantaneous Hair Dye, Inc. 208,991; Dec. 8.
Dyes, Domestic-fabric. W. H. Bannon. 220,170; Dec. 8.
Germicide. American Avator Company. 222,421; Dec. 8.
Hairdressing. T. H. Nell. 221,498; Dec. 8.
Insecticide. Mitox Co. 222,391; Dec. 8.
Insecticides and fungicides. Herbert & Herbert, Inc. 202,452; Dec. 8.
Liniment. I. M. Grumbacher. 210,382; Dec. 8.
Liquid and tablets for digestive disorders. Upjohn Company. 222,418; Dec. 8.
Lotion for the treatment of hemorrhoidal complaints. S. S. Russell. 221,639; Dec. 8.
Lotion, Sunburn. Sunland Laboratories, Inc. 215,601; Dec. 8.
Lotions, face powder, rouge, sachets, etc., Toilet. New Mix Products, Inc. 219,982; Dec. 8.
Lozenges, Pectoral and cough. Aktieselskabet Lagerman, Junr. 211,770; Dec. 8.
Medicine, Blood. J. A. Abadie. 222,206; Dec. 8.
Medicine for catarrh, coughs, colds, etc. W. F. Peggram and Company. 220,863; Dec. 8.
Medicine for obesity. C. E. Crain. 222,666; Dec. 8.
Medicine or pharmaceutical preparation. Eli Lilly & Company. 222,686–92; Dec. 8.
Ointment for catarrhal inflammation, etc., Ethical. W. T. Ellison. 220,709; Dec. 8.
Oxidizing liquid. W. M. De Witt. 213,163; Dec. 8.
Perfume, toilet water, face powder, bath salts, etc. Lubin, Inc. 222,751; Dec. 8.
Perfumery and cosmectics. Eulith Gesellschaft m. b. H. Chemisch-Pharmazeutische Fabrik. 211,911; Dec. 8.
Petroleum jelly and compounds of petroleum jelly, etc. Michigan Drug Co. 221,908; Dec. 8.



Powder, rouge, sachets, perfume, etc., Face. Marinello Company. 204,464; Dec. 8.
Powder, Tooth. Perlora Manufacturing Company. 222,574; Dec. 8.
Powders, creams, and packs, rouges, perfumes, etc., Face. Parfumerie St. Denis. 222,760; Dec. 8.
Preparation for the treatment of rheumatism and of kindred diseases. Norwood Pharmaceutical Company. 220,671; Dec. 8.
Remedy, Dandruff. G. W. Noonan. 221,634; Dec. 8.
Throat Lozenges. Mentopine Corporation. 221,973; Dec. 8.
Tincture Iodine, chloride iron, and arnica, sweet spirits of niter, etc. Faxon & Gallagher Drug Co. 217,267; Dec. 8.
Vichy powders, liniment, powders, plasters, etc., Artificial. Joseph Personeni, Inc. 212,199; Dec. 8.

### CLASS 7.

Wire rope (cable) and guy strand. Pacific Wire Rope Co. 217,111; Dec. 8.

### CLASS 8.

Pipes, Tobacco. A. Oppenheimer & Co., 222,185; Dec. 8.

### CLASS 9.

Matches. Dougal Bros. 222,166; Dec. 8.

### CLASS 10.

Fertilizer. Rose City Cotton Oil Mill. 219,765; Dec. 8.

### CLASS 11.

Carbon paper, Typewriter. Standard Products Corporation. 220,427; Dec. 8.
Ink, Writing. S. Lichfield. 219,191; Dec. 8.
Inks, Writing. C. A. Daniels. 212,122; Dec. 8.

### CLASS 12.

Concrete, stucco, cement, etc., Liquid compound for waterproofing and weatherproofing. Robeson Preservo Company. 219,141; Dec. 8.
Lime and plaster mixture. Rockland & Rockport Lime Corporation. 218,664; Dec. 8.
Plywood panels and dimension veneer. Atlas Plywood Corporation. 220,631; Dec. 8.
Plywood panels and dimension veneer. Atlas Plywood Corporation. 220,635; Dec. 8.
Shingles, Strip. The Flintkote Company. 219,174; Dec. 8.
Wall board and plaster lath. Buttress Manufacturing Co. 218,951; Dec. 8.

### CLASS 13.

Baking set. Jones Metal Products Company. 220,344; Dec. 8.
Door plates. C. A. Holzknecht. 207,679; Dec. 8.
Nuts, Lock. Supralock Nut Corporation. 215,281; Dec. 8.
Straps, shook tie fasteners, shingle bands, etc., Steel. Acme Steel Company. 220,986; Dec. 8.
Threads for shoes, Detachable. R. Warner, 2. 220,749; Dec. 8.

### CLASS 15.

Gasoline. Standard Oil Company. 215,279; Dec. 8.
Gasoline, benzol motor fuels, oils, etc. Yellow Cab Motor Fuel Company. 186,861–2; Dec. 8.
Oils and gasoline, Motor. J. O. Abshire. 221,469; Dec. 8.

### CLASS 16.

Cleanser and polisher. L. C. Smith & Co. 215,187; Dec. 8.
Lacquer. Egyptian Lacquer Manufacturing Company. 215,902; Dec. 8.
Lacquer, Auto top ready-mixed rubber. J. W. Pearson. 203,834; Dec. 8.
Paint, paint enamels, varnish, shellac, etc. Floor Shine Paint & Varnish Company. 215,296; Dec. 8.
Paint, Prepared liquid. Spray Paint Company. 220,041; Dec. 8.
Paint, stain, automobile enamel, cement coating, paint and varnish remover, etc. Stockton Paint Company. 221,461; Dec. 8.
Paints, paint enamels, japans, varnishes, etc. Sherwin-Williams Company. 220,479; Dec. 8.
Paints, varnishes, and wood fillers. Chase, Roberts & Co. 220,495; Dec. 8.
Varnish. Rocky Mountain Products Co. 216,697; Dec. 8.
Varnish. Summit Varnish Company. 219,211; Dec. 8.
Wax, body wax, varnish, etc., Liquid cleaning. Crooke-Dittmar Co. 203,300; Dec. 8.



### CLASS 17.

Cigars. N. R. Rense. 221,206; Dec. 8.
Cigars, cigarettes, and cut tobacco. Pego y Ca., S. en C. 185,670; Dec. 8.
Snuff. Kingdom of Italy. 221,838; Dec. 8.

### CLASS 19.

Automobiles, Bracing spring for. Anti-Shimmie Manufacturing Co. 220,441; Dec. 8.
Fender braces and headlight supports, Combined. Autry Motor Company. 209,610; Dec. 8.
Pivot shackles, tension shackles, radius-rod anchors, etc. Belflex Corporation. 219,870; Dec. 8.
Vehicles, and attachments and parts thereof, Motor. International Harvester Company. 211,438–9; Dec. 8.

### CLASS 21.

Batteries and plates, Storage. Carlile & Doughty, Inc. 220,286; Dec. 8.
Batteries, Storage. Bilt-Ryte Battery Company. 221,162; Dec. 8.
Battery chargers, ignition parts, starter parts, etc., Automobile. Auto Equipment and Service Co. 215,546; Dec. 8.
Chandeliers and parts thereof, electric fans, radio receiving sets, etc., Electric-lighting Leber Supply Co. 213,382; Dec. 8.
Condensers, air transformers, resistances, sockets, etc., Variable air. Bremer-Tully Manufacturing Company. 216,381; Dec. 8.
Drink mixers, Electrically-operated. Mechanical Mixers Corporation. 165,636; Dec. 8.
Electric motors and loop aerials. Bodine Electric Company. 219,164; Dec. 8.
Electrical apparatus and fixtures. Pacific States Electric Co. 182,767; Dec. 8.
Extension cords, lamps, etc., Electric. Packard Electric Company. 212,825; Dec. 8.
Fireplaces, Complete electric. Colonial Fireplace Company. 219,109; Dec. 8.
Lamps, Electric. R. H. Baur. 219,216; Dec. 8.
Lamps, Mercury-vapor arc. Cooper Hewitt Electric Company. 199,150; Dec. 8.
Lights and projecting lamps, Flood. Pyle-National Company. 193,068; Dec. 8.
Lights, Electrical direction signal. J. G. Roseboom. 218,525; Dec. 8.
Loud speakers. Tri-Ergon A.-G. 217,806; Dec. 8.
Loud speakers and parts thereof. Reichmann Company. 219,410; Dec. 8.
Magnetos, coils, radio receiving and transmitting apparatus, etc. Eisemann Magneto Corporation. 218,402; Dec. 8.
Microphones. Tri-Ergon A.-G. 217,807; Dec. 8.
Radio coils and inductances. Eastern Electric & Mfg. Co. 221,172; Dec. 8.
Radio loud speakers and receiving sets and/or parts for same, etc. Herbert-John Corporation. 220,387; Dec. 8.
Radio receiving sets. Etherical Radio Company. 218,802; Dec. 8.
Radio receiving sets. F. H. MacKenzie. 211,793; Dec. 8.
Radio receiving sets. D. M. Steward Mfg. Company. 219,413; Dec. 8.
Radio receiving sets. D. M. Steward Mfg. Company. 219,699; Dec. 8.
Radio receiving sets and parts thereof. Chieftain Radio Corporation. 219,228; Dec. 8.
Radio receiving sets and parts thereof. David Grimes, Inc. 219,624; Dec. 8.
Radio receiving sets and parts thereof. Machine Specialty Company. 219,973; Dec. 8.
Radio receiving sets and parts thereof. Radiotel Manufacturing Co. 219,762; Dec. 8.
Radio receiving sets and radio loud speakers. S. Roth. 217,684; Dec. 8.
Radio receiving sets and radio parts. Imperial Electric Mfg. Co. 204,914; Dec. 8.
Radio receiving sets, crystal detectors, etc., Complete. Aron Elektrizitäts-Gesellschaft m. b. H. 212,362; Dec. 8.
Sealing machines, Electric wax. J. Kaulke. 217,676; Dec. 8.
Signs, Electric advertising. E. G. Neale. 216,351; Dec. 8.
Spotlights. Lorraine Corporation. 219,828; Dec. 8.
Transmission of photographs electrically, Machines and apparatus for distance. Pacific & Atlantic Photos, Inc. 207,628; Dec. 8.

### CLASS 22.

Bats, Baseball. Hillerich & Bradsby Co. 221,966; Dec. 8.
Bicycles. A. G. Spalding & Bros. 220,370; Dec. 8.
Game, Table board. Mack-Mark Co. 220,349; Dec. 8.
Golf clubs. Carson Pirie Scott & Co. 201,884; Dec. 8.
Kites. Dahl-Niles Products, Incorporated. 221,538; Dec. 8.

### CLASS 23.

Glue-clamp carries. N. J. Billstrom. 221,940; Dec. 8.
Razor-blade holder. C. D. Voorhis. 219,923; Dec. 8.
Sprayers, Power. Frank Held Tractor Co. 221,961; Dec. 8.
Wire-drawing machines and parts thereof. Vaughn Machinery Company. 222,489; Dec. 8.
Wrenches. Diamond Calk Horse Shoe Co. 222,226; Dec. 8.
Wrenches. J. H. Williams & Co. 222,057; Dec. 8.

### CLASS 26.

Ophthalmic frames. New Era Optical Co. 220,563; Dec. 8.
Screens, machines for projection, and stock ticker projectors. Trans-Lux Daylight Picture Screen Corporation. 219,700; Dec. 8.

### CLASS 27.

Watches, watchcases, watch movements, and parts of the same. Helbein-Stone Company. 221,062; Dec. 8.

### CLASS 28.

Badges, lapel buttons, cuff links, charms, etc., Fraternity. Sigma Nu Phi Fraternity (Legal). 183,087; Dec. 8.
Pearls and reproductions of pearls or imitation thereof Strings of. L. Heller & Son, Inc. 200,494; Dec. 8.

### CLASS 29.

Paintbrushes. Baker Brush Co. 205,812; Dec. 8.

### CLASS 30.

Tiles of clay, Floor and wall. Mosaic Tile Company. 199,122; Dec. 8.

### CLASS 32.

Tables, Wooden. Imperial Furniture Company. 192,917; Dec. 8.

### CLASS 34.

Burners and combustion-regulating equipment, Gas and Oil. Doherty Research Company. 214,064; Dec. 8.
Candle holders. Standard Oil Company. 204,938; Dec. 8.
Heating devices, Oil. Percolator Heating Company. 221,153; Dec. 8.
Heating systems, boilers, generators, etc. C. L. Bryant Corporation. 221,234–6; Dec. 8.
Stoves. American Stove Company. 214,905; Dec. 8.
Stoves and furnaces, Heating. Estate Stove Company. 216,901; Dec. 8.
Windshields, Automobile. E. Garson. 220,300; Dec. 8.

### CLASS 35.

Hose, Grease-pump. Goodall Rubber Company. 214,594; Dec. 8.

### CLASS 36.

Drums and the like, Skin heads of. Ludwig & Ludwig. 219,401; Dec. 8.
Harmonicas, Mouth. M. Hohner, Inc. 219,745; Dec. 8.
Phonograph instruments and the like. Oriental Music Shop, Inc. 220,013; Dec. 8.
Phonographs, pianos, violins, cellos, etc. H. Küchenmeister. 200,993; Dec. 8.
Talking machines and records. Homophon-Company Gesellschaft mit beschränkter Haftung. 218,061; Dec. 8.
Violins, ukuleles, banjos, guitars, etc., and parts thereof. C. Bruno & Son, Inc. 218,243; Dec. 8.

### CLASS 37.

Books for insertion of data. Samuel Ward Manufacturing Company. 218,676; Dec. 8.
Books, Memoranda. Samuel Ward Manufacturing Company. 219,318; Dec. 8.
Calendars of metal for desks, letter racks, stamp boxes, etc. Erhard & Sohne A. G. 216,616; Dec. 8.
Cardboard, writing paper, and paper stock. Carpenter Paper Company. 220,335; Dec. 8.
Charts. J. C. Groff. 219,666; Dec. 8.
Paper and mailing envelopes, Writing. Birnie Paper Company. 219,370; Dec. 8.
Paper, Bond. Import Paper Company. 220,537; Dec. 8.
Paper, Printing and writing. Graham Paper Company. 209,649; Dec. 8.
Paper, Wall. Ronkonkoma Wall Paper Company. 220,422; Dec. 8.

### CLASS 38.

Lithographic print. Atlantic Lithographic and Printing Co. 220,014; Dec. 8.
Magazine, Monthly. Sunset Magazine, Inc. 212,577; Dec. 8.
Pamphlets and periodicals. Shapleigh Hardware Company. 202,718; Dec. 8.
Periodicals. Edward Smith & Co. 219,609; Dec. 8.
Photographic prints. C. D. Newton. 220,416; Dec. 8.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Publication, Monthly. Roland Publishing Company. 220,679; Dec. 8.

CLASS 39.

Aprons and underwaists. Baby Betty Apron Company. 222,059; Dec. 8.
Bloomers and underwear. Winget Kickernick Company. 221,995; Dec. 8.
Boots and shoes. Lewis A. Crossett Co. 220,217; Dec. 8.
Caps and rubber household aprons, Bathing. Seamless Rubber Company. 220,875; Dec. 8.
Coats, suits, gowns, skirts, waists, and sweaters. Kaufmann Department Stores, Inc. 222,183; Dec. 8.
Coats, vests, pants, overcoats, and topcoats. Kling Bros. & Co. 222,034; Dec. 8.
Cravats, Men's. Schoenfeld Bros., Inc. 221,978; Dec. 8.
Dresses. Isaac Ginsberg & Bros., Inc. 222,113; Dec. 8.
Dresses, creepers, rompers, and play suits, Children's. Gordon Bros. 221,743; Dec. 8.
Dresses, suits, and coats. Avedon & Lightman. 220,998; Dec. 8.
Dresses, suits, sweaters, and scarfs, Knitted. R. R. Bornow. 216,771; Dec. 8.
Fur coat. Gelberg & Schwartz. 220,771; Dec. 8.
Garments and underwear of knitted and textile fabric, Ladies'. E. W. Robischon. 219,495; Dec. 8.
Girdles, corsets, corselets, bandeaux, and reducing garments. Boyshform Brassière Co. 214,349; Dec. 8.
Gloves. A. L. Cook. 220,216; Dec. 8.
Gloves, mittens, and gauntlets, Work. M. B. Hamilton & Co. 221,818–23; Dec. 8.
Gloves, mittens, and gauntlets, Work. M. B. Hamilton & Co. 221,825–6; Dec. 8.
Gloves, mittens, and gauntlets, Work. M. B. Hamilton & Co. 221,828–9; Dec. 8.
Hats and caps and ladies' and misses' hat frames and linings. H. Robbins. 221,383; Dec. 8.
Hats and caps for men. H. Meitlein. 210,915; Dec. 8.
Hosiery. Bonwit Teller & Co. 222,216; Dec. 8.
Hosiery. Interstate Dry Goods Syndicate. 221,067; Dec. 8.
Hosiery. Haymann Krupp & Co. 217,027; Dec. 8.
Hosiery. Mikado Hosiery Co. 221,133; Dec. 8.
Hosiery and underwear. B. Levy. 219,340; Dec. 8.
Hosiery, underwear, sweaters, caps, hats, etc. David Rothschild & Co. 220,423; Dec. 8.
Hosiery, Women's. Largman, Gray Company. 219,968; Dec. 8.
Negligees, bath robes, lingerie, and underwear. J. Silberman. 220,325; Dec. 8.
Overcoats, suits, and pants, and shirts, Men's and boys'. Chicago Mail Order Company. 221,876; Dec. 8.
Pants or trousers, Riding. A. B. Frank Company. 222,022; Dec. 8.
Scarfs, chokers, rompers, cloaks, suits, kimonos, etc. Perkins Dry Goods Company. 219,761; Dec. 8.
Shirts and boys' blouses, Men's and boys'. Elder Mfg. Co. 221,885; Dec. 8.
Shoes, Ladies'. E. J. Donahue. 201,229; Dec. 8.
Shoes, slippers, pumps, and sandals. Buek & Company. 221,477; Dec. 8.
Sweaters, golf hose, bathing suits, mufflers, etc. Peckham, Foreman, Inc. 214,093; Dec. 8.
Underwear. Panelon Underwear Company. 219,640–3; Dec. 8.
Underwear. Panelon Underwear Company. 220,614–5; Dec. 8.
Underwear, hosiery, sweaters, and bathing suits. Dixie Underwear Co. 221,100; Dec. 8.

CLASS 40.

Marcel irons, rubber combs, wire hairpins, transformations, and wigs. Julius Pauly, Inc. 217,833; Dec. 8.

CLASS 42.

Cotton piece goods. Abbeville Cotton Mills. 213,543; Dec. 8.
Hair nets. B. Frankel Co. 222,232; Dec. 8.
Handkerchiefs, cotton and silk-cotton piece goods, and lace piece goods. M. Dood, Sons & Company. 210,717; Dec. 8.
Woolen fabrics. Dent Woolen Co. 219,578; Dec. 8.

CLASS 44.

Belts, aprons, bloomers, etc., Sanitary. The Fair. 176,018; Dec. 8.
Sanitary protector kit. P. V. Lucas. 217,831; Dec. 8.

CLASS 45.

Beverages sold as soft drinks and sirups for making the same. Jack Beverages, Inc. 222,181; Dec. 8.

CLASS 46.

Asparagus. J. W. Hollenbeck. 222,243; Dec. 8.
Beans. Chatterton & Son. 221,237; Dec. 8.
Bread. Cable-Draper Baking Company. 208,636; Dec. 8.
Bread, biscuits, cake, cookies, etc. W. Benner. 184,588; Dec. 8.
Candies, almonds, and cholocate-coated nuts. W. Prentiss, jr. 211,615; Dec. 8.
Candies and chocolates. C. M. Gowell. 217,509; Dec. 8.
Candy. Bunte Brothers. 221,090; Dec. 8.
Candy. J. R. Edmiston. 222,064 Dec. 8.
Candy. Merrill Candy Company. 222,131; Dec. 8.
Candy and candy bars. Curtiss Candy Co. 220,180; Dec. 8.
Canned and dried fruits, vegetables, olives, etc. Virden Canning Company. 197,851; Dec. 8.
Canned and dried fruits, vegetables, tomatoes in purée, honey, etc. Virden Canning Company. 197,848; Dec. 8.
Canned fish. J. C. Mullins & Co. 222,084; Dec. 8.
Canned fruits. Pelling, Stanley & Co. 202,637; Dec. 8.
Canned fruits, berries, vegetables, chili sauce, etc. Stittville Canning Company. 195,082; Dec. 8.
Canned fruits, vegetables, tomatoes with purée, honey, etc. Virden Canning Company. 197,847; Dec. 8.
Canned minced clams. O. W. Henderson. 218,967; Dec. 8.
Canned minced clams and canned salmon. O. W. Henderson. 218,968; Dec. 8.
Canned peas. Boseman Canning Co. 219,931; Dec. 8.
Canned vegetables and fruits. H. C. Draper. 219,276; Dec. 8.
Canned vegetables and fruits, fruit jams, etc. Charles Hewitt & Sons Co. 220,407; Dec. 8.
Cereal yeast food. Monarch Chemical Company. 221,022; Dec. 8.
Coffee. James W. Hamblet, Inc. 220,949; Dec. 8.
Coffee. Young & Griffin Coffee Co. 219,509; Dec. 8.
Feed and pearl meal, Horse and dairy and stock and poultry. Heise Brothers. 210,454; Dec. 8.
Flour, Self-rising wheat. Boonville Mills Company. 218,947; Dec. 8.
Flour, Wheat. Egerton Brothers. 222,169; Dec. 8.
Flour, Wheat. George Q. Moon & Company. 218,862; Dec. 8.
Flour, Wheat. Sparks Milling Company. 220,371; Dec. 8.
Flours, Corn meal, and cereal breakfast foods. Hubbard Milling Company. 203,819; Dec. 8.
Food for hogs, poultry, cattle, and horses. Shaw & Truesdell Co. 217,531; Dec. 8.
Fruit, Citrous. R. D. Keene & Co. 222,124; Dec. 8.
Fruit, Fresh citrous. Native Son Orchards Company. 222,272; Dec. 8.
Fruits, Fresh deciduous. H. Arakelian & Son. 216,867; Dec. 8.
Grapes, Table. Minium & Pollok. 219,438; Dec. 8.
Ice cream. Washington Dairy. 217,913; Dec. 8.
Ice-cream confection and chocolate coating. O-G Goody Company. 216,206; Dec. 8.
Lettuce. J. G. Robinson Lettuce Farms, Inc. 222,522; Dec. 8.
Macaroni. G. Oliveri. 218,136; Dec. 8.
Milk, Evaporated. Maricopa Creamery Company. 219,038; Dec. 8.
Oil, Olive. D. & A. Sclafani. 219,046; Dec. 8.
Oranges, grapefruit, and tangerines, Fresh. Vergon Son & Company. 221,522; Dec. 8.
Oranges, lemons, and grapefruit. Irwindale Citrus Association. 217,561; Dec. 8.
Oranges, lemons, and grapefruit. Piru Citrus Association. 217,578; Dec. 8.
Oranges, lemons, and grapefruit. Ventura Citrus Association. 222,298; Dec. 8.
Raisins, Dried. Dr. C. M. Hickey. 215,630; Dec. 8.
Salad dressings. Ward's Products Co. 220,208; Dec. 8.
Sausages, hams, bacon, and dressed lamb. New England Dressed Meat & Wool Company. 220,791; Dec. 8.
Sugar, Refined. Texas Sugar Refining Company. 220,928; Dec. 8.
Tea. Colombo Commercial Company. 219,715; Dec. 8.

CLASS 50.

Viscose, etc., Sheets, strips, tubes or threads of. Soieries De Strasbourg. 215,422; Dec. 8.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 8TH DAY OF DECEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acker, George H., assignor to The Cleveland Worm and Gear Company, Cleveland, Ohio. Worm-gear reduction unit. 1,564,742; Dec. 8.
Ackerman, Dolletta M., Long Beach, Calif. Hair curler. 1,564,923; Dec. 8.
Addograph Company. (See Crawley, Mansfield C., assignor.)
Addressograph Company. (See Duncan, Joseph S., assignor.)
Adler, Hazel H., New York, N. Y. Determining color combinations. 1,564,743; Dec. 8.
Aeromarine Plane & Motor Company. (See Chilton, R., and Hayes, assignors.)
Ahrens, Otto G., Karnes, Tex. Dirt-tank cleaner. 1,564,187; Dec. 8.
Aktiebolaget Vaporackumulator. (See Janson, C. G., and Persson, assignors.)
Alderfer, Price, Souderton, and T. F. Clements, Philadelphia, Pa. Window construction. 1,565,138; Dec. 8.
Alexander, Jesse, Los Angeles, Calif. Typewriting-machine-carriage construction. 1,564,744; Dec. 8.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Radio signaling system. 1,564,807; Dec. 8.
Alger, Don L., Avalon, Calif. Aquatic amusement device. 1,564,313; Dec. 8.
Allen, Donald T., assignor to Prime Mfg. Co., Milwaukee, Wis. Phonograph-case construction. 1,564,808; Dec. 8.
Allen, Harold D., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn. Toy phone. 1,565,222; Dec. 8.
Allen, John G., assignor to A. W. Allen's Sons, Philadelphia, Pa. Tension device. 1,564,995; Dec. 8.
Allen, Thomas M., assignor to The Torrington Company, Torrington, Conn. Pedal for bicycles, motor cycles, and the like. 1,564,188; Dec. 8.
Allen's, A. W., Sons. (See Allen, John G., assignor.)
Alley, Stephen E., London, England. Self-propelled vehicle. 1,564,505; Dec. 8.
Alwyn, Luis, London, England. Manufacture of molds for making concrete or like beams, blocks, columns, and the like. 1,564,924; Dec. 8.
Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Needle loom. 1,564,506; Dec. 8.
Amend, Joseph E., Appleton, Wis. Carbonated-milk tank. 1,564,809; Dec. 8.
American Arch Company. (See Denney, Guy C., assignor.)
American Automatic Connector Company, The. (See Barber, Martin A., assignor.)
American Briquet Company. (See Parker, Alexis D., assignor.)
American Fibre Corporation. (See Baldwin, Earl F., assignor.)
American Katalite Corporation. (See Sokal, Edward, assignor.)
American Laundry Machinery Company, The, et al. (See Brockett, Bluford W., assignor.)
American Laundry Machinery Company, The. (See Daly, M. E., and Taylor, assignors.)
American Laundry Machinery Company, The. (See Sando, Joseph B., assignor.)
American Motor Body Corporation, The. (See Bell, Alfred B., assignor.)
American Oil Pump & Tank Co., The. (See Dourson, Louis A., assignor.)
American Optical Company. (See Schumacher, Elmer L., assignor.)
American Optical Company. (See Sheard, Charles, assignor.)
American Saw and Manufacturing Company. (See Ericson, C. L., and Roberts, assignors.)
American Smelting and Refining Company. (See Shipley, Leonard, assignor.)
American Steel Foundries. (See Williams, William E., assignor.)
American Telephone and Telegraph Company. (See Carson, J. R., Clark, and Mills, assignor.)
American Telephone and Telegraph Company. (See Clark, A. B., and Crisson, assignors.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Telephone and Telegraph Company. (See McCurdy, Ralph G., assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
Amesbury, Wheaton L. R., London, England. Sighting device for use with golf balls. 1,564,745; Dec. 8.
Anderson, John R., Moline, Ill. Folding table. 1,564,189; Dec. 8.
Anderson, Walter G., assignor to Strong-Scott Manufacturing Company, Minneapolis, Minn. Dumping platform. 1,564,190; Dec. 8.
Anderson, William T. (See Ballance, A. B., and Anderson.)
Andrews, William J., East Lyme, Conn. Pulley. 1,564,399; Dec. 8.
Angulo, Reducindo F., Santa Barbara, Calif. Making handmade mission-roof tiles. 1,564,810; Dec. 8.
Anhydrous Metallic Chlorides Corporation, The. (See Wohlers, Frederick T., assignor.)
Ansco Photoproducts, Inc. (See Bornmann, Carl, assignor.)
Anthon, George C., New York, N. Y., assignor to Stanley Insulating Company, Great Barrington, Mass. Heat-insulated receptacle. 1,564,811; Dec. 8.
Anthony, Charles C., assignor, by mesne assignments, to Associated Oil Company, San Francisco, Calif. Static eliminator for vehicle tanks. 1,564,925; Dec. 8.
Apparatebau Freiburg G. m. b. H. (See Tauern, O. D., and Jenne, assignors.)
Arbon, Paul, Tulsa, Okla. Construction and arrangement of collapsible jets. 1,564,814; Dec. 8.
Armstrong, George F., Rutherford, N. J. Pneumatic tube. 1,564,397; Dec. 8.
Armstrong, John J., and E. S. Woodford, Crockett, Calif. Screw conveyer. 1,564,926; Dec. 8.
Arney, Frank J., New York, N. Y. Adjusting loop. 1,565,041; Dec. 8.
Arnold, Roy J. (See Smith, R. E., Gay, and Arnold.)
Arnot, Adolph C. (See Erskine, T., and Arnot.)
Arrowood, William G., Hawthorne, Calif. Incinerator. 1,565,042; Dec. 8.
Associated Oil Company. (See Anthony, Charles C., assignor.)
Associated Oil Company. (See Jurs, Louis D., assignor.)
Athey, Isaac H., and A. R. Schwarzkopf, assignors to Athey Truss Wheel Co., Chicago, Ill. Vehicle. 1,564,461; Dec. 8.
Athey Truss Wheel Co. (See Athey, I. H., and Schwarzkopf, assignors.)
Auburn, Hubert, Cincinnati, Ohio. Loose-leaf binder. 1,564,398; Dec. 8.
Audiphone Company of America. (See Reynolds, De Elbert A., assignor.)
Austin, Roger L., and C. H. Gall, Lansing, Mich. Window screen. 1,564,191; Dec. 8.
Austin, Walter M. (See Mahoney, J. N., and Austin.)
Austin, William E. (See Stein, H., Austin, and Liebowitz.)
Auto Pneumatic Action Company. (See Lynde, Frank G., assignor.)
Automatic Electric Company. (See Martin, Talbot G., assignor.)
Automatic Machinery and Equipment Company. (See Hires, John E., assignor.)
Averill, Rex G., assignor to The Ohio Brass Company, Mansfield, Ohio. Car coupler. 1,564,400; Dec. 8.
Avery, Henry W., Cleveland, Ohio. Pipe-thread protector. 1,564,315; Dec. 8.
Avis, Braxton D., Clarksburg, W. Va. Process and product for preventing rust. 1,565,043; Dec. 8.
Axford, Harry W., and A. De Shields, San Jose, Calif. Door handle. Des. 68,944; Dec. 8.
Babcock, George D., Peoria, Ill. Golf machine and attachment therefor. 1,564,812; Dec. 8.
Babendreier, Arthur O., Baltimore, Md., assignor to Patterson Hand Stoker Corporation. Stoker grate. 1,564,813; Dec. 8.
Backstay Machine & Leather Company, The. (See Schemmel, Robert C., assignor.)
Backus, Albert, St. Louis, Mo. Pipe. 1,564,996; Dec. 8.
Badische Anilin- & Soda-Fabrik. (See Eyer, C., and Griessbach, assignors.)
Badische Anilin- & Soda-Fabrik. (See Lüttringhaus, A., Wolff, and Neresheimer, assignors.)
Bagwell, Robert. (See Mounsey, T., and Bagwell.)
Bailey, Thomas A. (See Cooper, G. C., and Bailey.)

Baker, John S., Los Angeles, Calif. Recording mechanism for voting and the like machines. 1,564,814; Dec. 8.

Baker, William M., New York, N. Y. Device for recording sales subscriptions, etc. 1,564,997; Dec. 8.

Baldwin, Earl F., assignor to American Fibre Corporation, Gardner, Mass. Braiding machine. 1,565,232; Dec. 8.

Baldwin, Fredrick M., Los Angeles, and G. A. Burgess, Long Beach, Calif. Shaft and sleeve type automobile signal. 1,564,998; Dec. 8.

Ballance, Arthur B., Kogarah West, near Sydney, and W. T. Anderson, Sans Souci, near Sydney, New South Wales, Australia. Time switch for electric circuits. 1,564,815; Dec. 8.

Ballard, Howard A., Sacramento, Calif. Irrigation regulator. 1,564,927; Dec. 8.

Bander, Jacob B., New York, N. Y. Shade holder for electric-light fixtures. 1,564,816; Dec. 8.

Barber, Charles C., Freeport, assginor to Western Electric Company, Incorporated, New York, N. Y. Oil pump. 1,565,044; Dec. 8.

Barber, Martin A., Cleveland, Ohio, assignor to The American Automatic Connector Company, Wyoming, Del. Lock for automatic connecters. 1,564,999; Dec. 8.

Barber, Walter H., Stoneham, and R. D. Fay, Nahant, assignors to Submarine Signal Company, Boston, Mass. Hydrophone. 1,564,192; Dec. 8.

Barker, Henry, Birkenhead, England, assignor of one-third to T. Barker and A. D. Bergen, Savannah, Ga. Air valve for internal-combustion engines. 1,564,507; Dec. 8.

Barker, Thomas, et al. (See Barker, Henry, assignor.)

Barnard, Walter G., Seattle, Wash., assignor to J. D. Cardinell, Montclair, N. J. Game. 1,564,746; Dec. 8.

Barnes, Frederick A., assignor to The Foote-Burt Company, Cleveland, Ohio. Clothes wringer. 1,565,000; Dec. 8.

Barrett, Edward J., New York, N. Y. Support and lock device for curtain poles. 1,564,747; Dec. 8.

Barrett, Thomas C., Hartford, Conn. Sterilizing device. 1,564,748; Dec. 8.

Bauermeister, Emil L. H., Altona-Ottensen, Germany. Blast sifter. 1,564,508; Dec. 8.

Bayer, Matthew F., assignor to Simmons Company, Kenosha, Wis. Bending machine. 1,565,001; Dec. 8.

Beason, Harry, et al. (See Watson, Frank L., assignor.)

Beattie Manufacturing Company, The. (See Beattie, Walter J., assignor.)

Beattie, Walter J., assignor to The Beattie Manufacturing Company, Cohoes, N. Y. Pressing machine. 1,564,193; Dec. 8.

Beaver Products Company, The. (See Petzing, Elmer L., assignor.)

Beaver Products Company, The. (See Stanbro, Mark S., assignor.)

Bechtold, William S., Newark, N. J. Comb. Des. 68,945; Dec. 8.

Bechtold, William S., Newark, N. J. Comb. Des. 68,946; Dec. 8.

Becker, Fred, Buffalo, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,564,316; Dec. 8.

Bedgood, Hubert O., Glasgow, assignor to Lobnitz & Company Limited, Renfrew, Scotland. Roller bearing for turntables. 1,564,928; Dec. 8.

Behr, Hans C., Scarsdale, N. Y. Machine for separating liquids from solids. 1,565,002; Dec. 8.

Belding Bros. & Co. (See Palmer, Allison E., assignor.)

Bell, Alfred B., assignor to The American Motor Body Corporation, Philadelphia, Pa. Car seat. 1,564,401; Dec. 8.

Bemisdorfer, Robert M., Des Moines, Iowa. Adjustable hub dust guard and mounting. 1,565,003; Dec. 8.

Benjamin Eastwood Company. (See Wells, William S., assignor.)

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin Electric Manufacturing Company. (See Benjamin, R. B., and Warner, assignors.)

Benjamin Electric Manufacturing Company. (See McClatchie, Stanley, assignor.)

Benjamin Electric Manufacturing Company. (See Weber, Grable B., assignor.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Switch. 1,564,818; Dec. 8.

Benjamin, Reuben B., Chicago, and C. E. Warner, Berwyn, assignors to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment plug. 1,564,817; Dec. 8.

Bennett, Frank D., Plainfield, N. J., and W. A. Kosken, Boston, assignors, by mesne assignments, to B. F. Smith, Concord, Mass. Ring traveler and mounting therefor for spinning machines. 1,564,749; Dec. 8.

Bensch, Herman R., San Antonio, Tex. String clasp. 1,565,045; Dec. 8.

Bergdoll, Homer S., Thomas, W. Va. Windshield heater. 1,565,046; Dec. 8.

Bergen, Alonza D., et al. (See Barker, Henry, assignor.)

Berglund, Sven Axson, Stockholm, Sweden. Apparatus for reproducing sounds photographically recorded on a film. 1,564,500; Dec. 8.

Bergman, William G., Point Place, Ohio. Dressing wheel for earthy material. 1,564,194; Dec. 8.

Bergstrom, Eskil, Evanston, Ill. Candle holder. Des. 68,947; Dec. 8.

Berkander, George F., Providence, R. I. Pendant. Des. 68,948; Dec. 8.

Berntsen, William H., Augusta, Kans. Water-filtering device. 1,565,233; Dec. 8.

Berry, Charles W., Bridgeport, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Method of and machine for inking ribbons. 1,564,510; Dec. 8.

Bessolo, William L., Clearwater, Calif. Supporting means for tools. 1,564,511; Dec. 8.

Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Padlock. 1,564,462; Dec. 8.

Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Throw mechanism for pin-tumbler locks. 1,564,463; Dec. 8.

Best, Frank E., Inc. (See Best, Frank E., assignor.)

Bingay, Robert V., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Transformer frame. 1,564,512; Dec. 8.

Biondi, August, Allentown, Pa. Key-cutting machine. 1,565,047; Dec. 8.

Birch, William T., Chicago, Ill. Pump. 1,564,819; Dec. 8.

Birmingham Motors. (See Weaver, Caius E., assignor.)

Bitgood, Frederick S., Los Angeles, Calif. Furnace. 1,565,048; Dec. 8.

Black, John C. (See Weir, James W., assignor.)

Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Windshield cleaner. 1,564,514; Dec. 8.

Blades, Robert, Chicago, Ill. Apparatus or machine for handling hides. 1,564,317; Dec. 8.

Blanchard, Arthur N., Milwaukee, Wis. Automatic lubricator for air tools. 1,564,820; Dec. 8.

Bliss, E. W., Company. (See Thompson, Gustave R., assignor.)

Block, Abraham, Bloomfield, N. J. Belted garment. 1,565,049; Dec. 8.

Bodri, Christian. (See Kahrs, H. J., Bodri, and Schneider.)

Bole, Edward A., Long Beach, Calif. Conveyer. 1,564,513; Dec. 8.

Bonewits, William E., St. Louis, Mo. Dust mop. 1,564,195; Dec. 8.

Boosh, John, assignor of one-half to S. Kraus, Cleveland, Ohio. Antiskid attachment for wheels. 1,565,050; Dec. 8.

Bornmann, Carl, Binghamton, assignor, by mesne assignments, to Ansco Photoproducts, Inc., New York, N. Y. Box camera. 1,564,821; Dec. 8.

Bornmann, Carl, assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Rising front for cameras. 1,564,822; Dec. 8.

Borroughs, Joseph N., Oakland, Calif. Towel cabinet. 1,564,750; Dec. 8.

Bothwell, Glenn D., Springport, Mich., assignor of one-third to G. J. Bothwell, London, Ontario, Canada. Bridge for diaphragm violins. 1,564,402; Dec. 8.

Bothwell, Guy J. (See Bothwell, Glenn D., assignor.)

Böttner, Arno, Sudenburg, near Magdeburg, assignor to the Firm: Polte, Magdeburg, Germany. Device for operating gate valves. 1,565,051; Dec. 8.

Bourgon, Joseph H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Hood support. 1,564,929; Dec. 8.

Bower, Ferdinand A., Flint, assignor to General Motors Corporation, Detroit, Mich. Booster brake. 1,564,515; Dec. 8.

Bower, Joseph E., Dancy, Wis. Gearing. 1,564,318; Dec. 8.

Bowers, Robert R., Branson, Colo., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay-retaining device for haystackers. 1,565,139; Dec. 8.

Bowlen, Carlos H., assignor to I. L. Keith, Haverhill, Mass. Cementing machine for shoe-bottom linings. 1,565,004; Dec. 8.

Bowler, John F., Cavendish, Idaho. Gatepost. 1,564,464; Dec. 8.

Bowman, Newton K., Bowdil, Ohio. Producing mining-machine bits. 1,565,052; Dec. 8.

Bown, Lewis H., East Aurora, assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. Des. 68,949; Dec. 8.

Bowser, S. F., & Co. (See Pepper, Byron J., assignor.)

Bowser, S. F., and Co. (See Swanberg, Floyd L., assignor.)

Boyce, Michael J., et al. (See Laster, Harry W., assignor.)

Boyes, Estella, New York, N. Y., assignor to J. H. Hunt, San Francisco, Calif. Laundry bag. 1,564,930; Dec. 8.

Boysen, Friedrich A., Leipzig, Germany. Utilization of the energy of the exhaust gases of internal-combustion engines by the striking of said gases. 1,564,931; Dec. 8.

Bozeman, Virgil F., and C. E. Johnson, assignors to Deere & Company, Moline, Ill. Wagon stake. 1,565,053; Dec. 8.

Braden, John, Rices Landing, Pa. Race cutter. 1,564,823; Dec. 8.

Braider, J. M., Inc. (See McCahey, George F., assignor.)





Brandes Laboratories Inc. (See Staunton, Le Roy W., assignor.)

Brandt, Irving, Chicago, Ill. Jewelry-display case. Des. 68,950; Dec. 8.

Brashear, Norman C., Los Angeles, Calif. Swimming glove. 1,565,005; Dec. 8.

Braun, Philip N., Syracuse, N. Y., assignor, by mesne assignments, to Liberty National Bank, trustee. Power garment and laundry pressing machine. 1,564,751; Dec. 8.

Brequet, Louis, assignor to Société Anonyme des Ateliers d'Aviation Louis Brequet, Paris, France. Device for the automatic coupling and uncoupling of engines operating upon a common propeller. 1,564,516; Dec. 8.

Bretherton, William T., and R. R. Bush, Chicago, Ill. Automatic drifting control. 1,564,465; Dec. 8.

Brewer-Titchener Corporation, The. (See Wadsworth, Earl H., assignor.)

Brightwell, Thaddeus S., Braddock, Pa. Coin-controlled mechanism. 1,564,319; Dec. 8.

Brockett, Bluford W., Cleveland Heights Village, assignor of one-half to The American Laundry Machinery Company, Norwood, Ohio, and one-half to Metropolitan Trust Company, trustee, New York, N. Y. Garment press. 1,564,466; Dec. 8.

Brody, William, & Co. (See Tropp, Herman, assignor.)

Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Heating with superheated steam. 1,564,403; Dec. 8.

Brolin, Walter B., Boston, Mass. Automatic stand for sadirons. 1,564,517; Dec. 8.

Brown, Earl A., North Woodside, Md. Order card. 1,564,752; Dec. 8.

Brown Instrument Company, The. (See Brown, Richard P., assignor.)

Brown Instrument Company, The. (See Grisdale, George W., assignor.)

Brown Instrument Company, The. (See Side, Frederick W., assignor.)

Brown, Lewis H., assignor to Montgomery Ward & Co., Inc., Chicago, Ill. Means to assist in purging papers. 1,564,932; Dec. 8.

Brown-Lipe Gear Company, The. (See Sponable, George W., assignor.)

Brown, Lloyd J., Evanston, assignor to E. Payson Smith, Springfield, Ill. Safety device for railway-car brake beams. 1,564,196; Dec. 8.

Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Recording meter. 1,564,518; Dec. 8.

Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Meter. 1,564,519; Dec. 8.

Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Temperature-compensated electrical measuring instrument. 1,564,933; Dec. 8.

Brown, William M., Johnstown, Pa. Testing apparatus. 1,564,197; Dec. 8.

Brownstein, Ellis, Baltimore, Md. Buttonhole indicator. 1,564,520; Dec. 8.

Brunk, Harold J. (See Green, C. A., and Brunk.)

Brunker, George N., and H. A. Woodland, Salt Lake City, Utah. Vehicle seat. 1,565,054; Dec. 8.

Brush, Frederick F., and L. E. Grant, assignors to Elevator Safety Appliance Co., Los Angeles, Calif. Elevator-door-opening mechanism. 1,564,521; Dec. 8.

Buckminster, Ira C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Blank-treating machine. 1,564,198; Dec. 8.

Bucyrus Company. (See Hoar, Roger S., assignor.)

Buelna, Guadalupe, and H. E. J. Vacher, Santa Barbara, Calif.; said Buelna assignor to said Vacher. Sprinkler. 1,564,934; Dec. 8.

Buffalo Pottery. (See Bown, Lewis H., assignor.)

Burditt, Frederic M., Newton Center, Mass. Razor strop. 1,564,404; Dec. 8.

Buren, Newton J., Tacoma, Wash. Piston. 1,565,055; Dec. 8.

Burgess, Galusha A. (See Baldwin, F. M., and Burgess.)

Burley, Wilson L., Crooksville, Ohio. Traveling support for kilns. 1,564,935; Dec. 8.

Burlin Co. (See Burlin, Leslie H., assignor.)

Burlin, Leslie H., assignor to Burlin Co., Chicago, Ill. Base for smoker stands or similar article. Des. 68,951; Dec. 8.

Burke, William J., and H. G. Clausing, Portsmouth, Ohio. Machine for finishing the toe of lasts. 1,564,522; Dec. 8.

Burke, William J., and H. G. Clausing, Portsmouth, Ohio. Machine for finishing the toe and insole or lasts. 1,564,523; Dec. 8.

Burkhardt, George R., et al., trustees. (See Gifford, Richard T., assignor.)

Burnett, James M., Weston-by-Welland, England. Accumulator grid or plate. 1,564,524; Dec. 8.

Burns, James F., assignor to V. V. Pittings Company, Philadelphia, Pa. Safety switch. 1,565,006; Dec. 15.

Burson Knitting Company. (See Hinchliff, Ralph, assignor.)

Bush, Robert R. (See Bretherton, W. T., and Bush.)

Byron, John E., et al. (See Laster, Harry W., assignor.)

Cadieux, Joseph O., assignor to The Connecticut Telephone & Electric Company, Meriden, Conn. Electric vibrator. 1,564,525; Dec. 8.

Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company. Vulcanizing rubber and products obtained thereby. 1,564,824; Dec. 8.

Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Vulcanizing rubber and products obtained thereby. 1,564,825; Dec. 8.

Cadwell, Wilfred C., Anaconda, Mont. Loading mechanism for conveyers and the like. 1,564,936; Dec. 8.

Callahan, Harold, Independence, Kans. Pump rig or jack. 1,564,320; Dec. 8.

Callais, Albert A., Plaquemine, La. Push broom. 1,564,526; Dec. 8.

Cambridge Rubber Company. (See MacPherson, W., and Dunbar, assignors.)

Cameron, Cheever J., et al. (See Williams, Arthur J., assignor.)

Cameron, John A., Mount Vernon, N. Y. Insulating cover for switch terminals. 1,564,321; Dec. 8.

Cammen, Leon, New York, N. Y. Mold for centrifugal casting. 1,565,007; Dec. 8.

Campbell, Carleton W., Denver, Colo., assignor, by mesne assignments, to Moll Manufacturing Company. Electrically-heated steam boiler. 1,564,322; Dec. 8.

Campbell, Lucius M., St. Louis, Mo. Envelope feed and delivery attachment for typewriters. 1,564,937; Dec. 8.

Cangen, Mark, Brooklyn, N. Y. Heel fastener. 1,564,527; Dec. 8.

Cantrell, Mance, East Chicago, Ill. Silica-brick pallet cleaner. 1,564,199; Dec. 8.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Reversal process. 1,564,753; Dec. 8.

Cardinell, John D. (See Barnard, Walter G., assignor.)

Cardullo, Forrest E., and H. W. Hunt, assignors to The G. A. Gray Company, Cincinnati, Ohio. Rail clamp for planers and the like. 1,565,140; Dec. 8.

Carns, William A., Dunn Center, N. Dak. Resilient wheel. 1,564,754; Dec. 8.

Carpenter, Charles U., New York, N. Y., assignor to Dayton Portable Typewriter Company, Dayton, Ohio. Typewriting machine. 1,564,200; Dec. 8.

Carson, John R., Harmon, A. B. Clark, Brooklyn, N. Y., and J. Mills, Wyoming, N. J., assignors to American Telephone and Telegraph Company. Loading system. 1,564,201; Dec. 8.

Cartelli, Joseph, Brockton, Mass. Locking attachment. 1,564,528; Dec. 8.

Carter, Richard H. (See Perl, A. H. F., and Carter.)

Carter, William F., Kansas City, Kans. Dish dispenser. 1,564,529; Dec. 8.

Case, J. I., Threshing Machine Company. (See Krause, Norman R., assignor.)

Cervera, Fernando L., Tacuba, Mexico. Water-craft-propelling mechanism. 1,565,056; Dec. 8.

Chamandy, Habib, Toronto, Ontario, Canada. Wire frame. 1,564,323; Dec. 8.

Chandeysson, Pierre I., St. Louis, Mo., assignor to Marshall Electric Company, Chicago, Ill. Field regulator. 1,564,938; Dec. 8.

Chandeysson, Pierre I., St. Louis, Mo., assignor to Marshall Electric Company, Chicago, Ill. Carbon-pile support. 1,564,939; Dec. 8.

Chapman, Frank S., Greensburg, Ind. Detecting the presence and approximate location of metallic masses. 1,564,940; Dec. 8.

Chappell, Frederick W., Pontardawe, Swansea Valley, Wales. Last for boots, shoes, and the like. 1,565,057; Dec. 8.

Chemische Fabrik Pyrgos. (See Haller, Robert, assignor.)

Chemische Werke vormals Auergesellschaft m. b. H. Kommanditgesellschaft. (See Sommer, F., and Groth, assignors.)

Cheramy, Inc. (See Miles, Frank J. M., assignor.)

Chicago Miniature Lamp Works. (See St. James, Robert T., assignor.)

Chilton, Roland, and F. A. Hayes, Keyport, N. J., assignors to Aeromarine Plane & Motor Company, Inc. Float structure. 1,564,826; Dec. 8.

Christian, Herbert W., Detroit, Mich. Electrically-controlled gas water heater. 1,564,405; Dec. 8.

Christensen, Jens H., Holte, Denmark. Producing water-insoluble multicolored screens. 1,564,202; Dec. 8.

Christensen, Niels C. (See Elmore, Frank E., assignor.)

Christopher, William F., La Porte City, Iowa. Sanitary chicken roost. 1,564,324; Dec. 8.

Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,565,223; Dec. 8.

Circle F. Mfg. Co. (See Freeman, Edgar H., assignor.)

Clabaugh, Henry L., Cleveland, Ohio. Fender or bumper. 1,564,467; Dec. 8.

Clairemont, Victor. (See Olsen, Carl G., assignor.)

Clare, Charles H., Salford, England. Mounting wheels or pulleys on axles or shafts. 1,564,941; Dec. 8.

Claridge, Joshua, assignor to Pro-Tex Laboratories, Inc., Chicago, Ill. Fire and burglar protection. 1,565,234; Dec. 8.

Clarinda Manufacturing Company. (See Olson, Carl A., assignor.)

Clark, Alva B., Brooklyn, N. Y., and G. Crisson, Hackensack, N. J., assignors to American Telephone and Telegraph Company. Receiver shunt. 1,564,203; Dec. 8.

Clark, Alva B. (See Carson, J. R., Clark, and Mills.)
Clark, Edgar R., Pittsburgh, Pa., assignor to M. S. Erlanger, New York, N. Y. Cotton fabric having a linenlike finish resistant to wear and washing. 1,564,943; Dec. 8.
Clark, Frank J., Battle Creek, Mich. Bumper. 1,564,204; Dec. 8.
Clark, Frank J., Battle Creek, Mich. Fireproof box. 1,564,205; Dec. 8.
Clark, Thomas R., Chicago, Ill. Combination blowtorch, soldering, and branding iron. 1,564,755; Dec. 8.
Clarke, Albert E., Detroit, Mich. Renewable fuse. 1,564,206; Dec. 8.
Clarke, Charles M., Sewickley, Pa. Making reenforcing corner brackets. 1,564,942; Dec. 8.
Clausing, Henry G. (See Burke, W. J., and Clausing.)
Clay, James S., assignor to Freeman Mfg. Co., Racine, Wis. Turntable. 1,564,827; Dec. 8.
Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to The North Electric Manufacturing Company. Telephone-exchange system. 1,564,325; Dec. 8.
Clements, Thomas F. (See Alderfer, P., and Clements.)
Cleveland Worm and Gear Company, The. (See Acker, George H., assignor.)
Clifford, Edward C., New York, N. Y. Storage battery. 1,564,530; Dec. 8.
Closson, Albert B., Geddes, assignor, by mesne assignments, to Liberty National Bank, Trustee, Syracuse, N. Y. Pressing machine. 1,564,756; Dec. 8.
Cloud, John W., London, England. Controlling device for electric circuits. 1,564,207; Dec. 8.
Clow, Samuel C. (See Winter, August P., assignor.)
Coffey, Oscar L., assignor to Whiting Corporation, Harvey, Ill. Drop-pit mechanism for unwheeling locomotives. 1,564,828; Dec. 8.
Cohen, Leon, assignor to De Leon Bandeaux Co., St. Louis, Mo. Detachable hat pad. 1,564,829; Dec. 8.
Cohn, Henry. (See Kruse, Ferdinand, assignor.)
Colby, Allan B., assignor to Rau Fastener Company, Providence, R. I. Attachment terminal and making same. 1,564,944; Dec. 8.
Coleman, Frederick A., assignor, by mesne assignments, to C. W. Schaefer, Cleveland, Ohio. Electric core oven. 1,564,945; Dec. 8.
Coleman, Frederick A., assignor, by mesne assignments, to C. W. Schaefer, Cleveland, Ohio. Dumping grate. 1,564,946; Dec. 8.
Collins, Samuel, Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,564,326; Dec. 8.
Combustion Engineering Corporation. (See Kreisinger, Henry, assignor.)
Commander, Paul P., Doerun, Ga. Packing bench. 1,565,058; Dec. 8.
Compagnie pour la Fabrication des Compteurs et Materiel d'Usines à Gaz. (See Thomas, Pierre J., assignor.)
Concannon, Thomas G. (See Concannon, William E., assignor.)
Concannon, William E., Kansas City, Mo., assignor of one-half to T. G. Concannon, Emporia, Kans. Valve-operating mechanism. 1,564,531; Dec. 8.
Connecticut Telephone & Electric Company, The. (See Cadieux, Joseph O., assignor.)
Connecticut Web & Buckle Company, The. (See Oppenheim, Albert, assignor.)
Connolly, Frank P., Chicago, Ill. Golf club. 1,564,298; Dec. 8.
Conrad, William L., Boston, Mass. Apparatus for treating textile materials. 1,564,468; Dec. 8.
Consolidated Car-Heating Company. (See Oakley, George E., assignor.)
Cook, James F. (See Herman, Carl R., assignor.)
Cooper, Erwin M., San Francisco, Calif. Attachment for typewriters. 1,564,757; Dec. 8.
Cooper, Guy C., Lithonia, and T. A. Bailey, Buckhead, Ga. Printer's feed gauge. 1,565,059; Dec. 8.
Copeman, Lloyd G., Flint, Mich. Bushing construction. 1,564,947; Dec. 8.
Copeman, Lloyd G., Flint, Mich. Refrigerator door. 1,564,948; Dec. 8.
Corcoran, Cornelius B., deceased, by M. J. Corcoran, administrator, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,565,141; Dec. 8.
Corcoran, Michael J., administrator. (See Corcoran, Cornelius B.)
Corell, Martin. (See Kränzlein G., Corell, and Sedlmayr.)
Corliss, Herbert A., Grants Pass, Oreg. Auto headlight. 1,564,532; Dec. 8.
Correct Posture Seating Company. (See Smith, C. L., and Roderick, assignor.)
Coryell, Charles N., Mamaroneck, N. Y. Lip-stick holder. 1,565,142; Dec. 8.
Cosey, Henry M., Flint, Mich. Aeroplane. 1,564,469; Dec. 8.
Cotton, Alfred, assignor to Heine Boiler Company, St. Louis, Mo. Sectional header for boilers and the like. 1,565,060; Dec. 8.
Cotton, Alfred, assignor to Heine Boiler Company, St. Louis, Mo. Method and apparatus for making sectional headers. 1,565,061; Dec. 8.
Cotton, Alfred, assignor to Heine Boiler Company, St. Louis, Mo. Method and apparatus for producing sectional boiler headers. 1,565,062; Dec. 8.
Cotton, Alfred, assignor to Heine Boiler Company, St. Louis, Mo., Method and apparatus for producing headers. 1,565,063; Dec. 8.
Cottonwood Fiber Company. (See Loepfe, Charles M., assignor.)
Coucke, Florimond J., Lyon-Villeurbanne, France. Heating apparatus. 1,564,327; Dec. 8.
Cowan Truck Company. (See Gifford, Richard T.)
Cowles, Martin W., Fairfield, Conn. Electrolytic cell. 1,564,406; Dec. 8.
Cox, Paul E., Chicago, Ill. Addressing machine. 1,564,830; Dec. 8.
Cramer, Stuart W., Cramerton, N. C. Humidifier. 1,564,949; Dec. 8.
Cramp, William, & Sons Ship & Engine Building Company, The. (See Larner, Chester W., assignor.)
Crandall, Irving B., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical circuits for the production of musical tones. 1,564,209; Dec. 8.
Crandall, Max E., Kingfisher, Okla. Automatic cut-off for cisterns. 1,565,064; Dec. 8.
Crane, Samuel G., assignor to Toledo Scale Company, Toledo, Ohio. Advertising scale. 1,564,831; Dec. 8.
Crawley, Mansfield C., Groton, N. Y., assignor to Addressograph Company, Los Angeles, Calif. Typewriting-machine cushioning foot. 1,564,758; Dec. 8.
Creamery Package Mfg. Company, The. (See Larsen, Olaf, assignor.)
Creque, Frank J., Cuyahoga Falls, Ohio. Nursing bottle. 1,564,759; Dec. 8.
Crews, Clarence M., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,564,407; Dec. 8.
Crews, Clarence M., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,564,408; Dec. 8.
Crimmel, Alvie C., Hartford City, Ind. Measuring cup. 1,564,470; Dec. 8.
Crinson, George. (See Clark, A. B., and Crinson.)
Crocker-Wheeler Company. (See Spencer, Millard C., assignor.)
Crocker-Wheeler Company. (See Wheeler, Schuyler S., assignor.)
Crompton & Knowles Loom Works. (See Foley, Thomas F., assignor.)
Cugnolio Piana and C. (See Piana, Vittorio, assignor.)
Culver, Leon E., Butte, Mont. Clothes-washing machine. 1,564,760; Dec. 8.
Cunningham, Herman R., Glendale, Calif. Valve-control mechanism. 1,564,533; Dec. 8.
Cunningham, Orin D., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Manufacture of 2-amino anthraquinone. 1,564,210; Dec. 8.
Curran, Edward T., Detroit, Mich. Spark-plug-cooling device. 1,564,950; Dec. 8.
Curtiss Aeroplane and Motor Company. (See Mummert, Harvey C., assignor.)
Curtiss Aeroplane and Motor Company. (See Mummert, H. C., and Wait, assignors.)
Curtiss Aeroplane and Motor Company. (See Nutt, A., and Moses, assignors.)
Cutting, William S., Cheboygan, Mich. Combined shade and curtain fixture. 1,564,328; Dec. 8.
Cytron, Julius, Tulsa, Okla. Gate construction for stores. 1,564,534; Dec. 8.
Dahl, Thure, New York, N. Y. Lighting fixture. Des. 68,952; Dec. 8.
Daiker, Walter W., Brooklyn, N. Y. Terminal clip. 1,564,761; Dec. 8.
Dain Manufacturing Company of Iowa. (See Bowers, Robert R., assignor.)
Dake, Charles W. (See McGinnis, C. P., and Dake.)
Dake, Charles W., Chicago, Ill. Electric light. 1,564,471; Dec. 8.
Daly, Michael S., Cincinnati, Ohio, and J. H. Taylor, Red Bank, N. J., assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Washing machine. 1,564,472; Dec. 8.
Dana, Duncan, Marblehead, Mass., assignor to General Electric Company. Lubrication of bearings. 1,564,832; Dec. 8.
Dapron, Joseph M. (See Mathieson, A. C., and Dapron.)
Darr, Earl A., et al., executors. (See Kraft, Henry P.)
Davis, Charles W., assignor to Torrington Company, Torrington, Conn. Nipple-tapping machine. 1,564,211; Dec. 8.
Davis, Ernest, Chicago, Ill. Oil gauge. 1,564,535; Dec. 8.
Davis, Harold A., and P. S. Newcomer, Fostoria, Ohio. Elevator hoist. 1,564,536; Dec. 8.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,565,224; Dec. 8.
Dayton Portable Typewriter Company. (See Carpenter, Charles U., assignor.)
Dean, William W., Lowell, Mass., assignor to The Efficiency Electric Corporation, New York, N. Y. Phonograph-controlling mechanism. 1,564,833; Dec. 8.
Decarie, Alexander S., Montreal, Quebec, Canada. Incinerator construction. 1,565,225; Dec. 8.



Decker, William M., Buffalo, N. Y. Golf tee. 1,564,212; Dec. 8.
Deere & Company. (See Boseman, V. F., and Johnson, assignors.)
Deere & Company. (See Livesay, Robert C., assignor.)
De Leon Bandeaux Co. (See Cohen, Leon, assignor.)
Deilb, Peter, Spokane, Wash. Chain tightener. 1,564,537; Dec. 8.
Denker, Charles T., Chicago, Ill. Apparatus for heating street pavements. 1,564,213; Dec. 8.
Denney, Guy C., Hinsdale, Ill., assignor to American Arch Company. Arch brick. 1,564,762; Dec. 8.
De Olaneta, Harold, assignor to Winchester Repeating Arms Company, New Haven, Conn. Manufacture of dry cells. 1,564,951; Dec. 8.
Derick, Clarence G., T. H. Leaming, and W. M. Ralph, Buffalo, assignors to National Aniline & Chemical Co. Inc., New York, N. Y. Production of m-amino-p-cresol-methyl-ether. 1,564,214; Dec. 8.
De Shields, Albert. (See Axford, H. W., and De Shields.)
Dettenborn, Louis F., Hartford, Conn. Corner joint for boxes and making the same. 1,564,538; Dec. 8.
Deutsche Telephonwerke G. m. b. H. (See Fassbender, H., and Harbann, assignors.)
Di Figlia, Vincent, Brooklyn, N. Y. Combination match-box holder and cigar cutter. 1,564,539; Dec. 8.
Dillig, George F., Pittsburgh, Pa. Injector. 1,564,215; Dec. 8.
Dinwiddie, Edward N., Kansas City, Mo. Vending machine. 1,564,540; Dec. 8.
Doane, John A., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Automatic forming lathe. 1,564,216; Dec. 8.
Dobson, William A., Bridgeport, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,564,329; Dec. 8.
Dodd, Leslie H., Kansas City, Mo. Concrete form. 1,564,541; Dec. 8.
Doerr, John B., Orlando, Fla. Wire stretcher. 1,565,065; Dec. 8.
Doolittle, Henry P., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,565,226; Dec. 8.
Dotterer, Harrison G., Kokomo, Ind. Egg tray. 1,564,217; Dec. 8.
Dourson, Louis A., assignor to The American Oil Pump & Tank Co., Cincinnati, Ohio. Hose-nozzle hanger. 1,565,066; Dec. 8.
Dow Chemical Company, The. (See Dow, Herbert H., assignor.)
Dow, Herbert H., Midland, Mich., assignor to The Dow Chemical Company. Controlling chemical reactions. 1,564,218; Dec. 8.
Dowd, Bernard J., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriter frame. Des. 68,954; Dec. 8.
Dowling, Francis J., New York, N. Y. Spring clamp mechanism. 1,564,834; Dec. 8.
Dräger, Alexander B., Lübeck, Germany. Self-contained lung-power breathing device. 1,564,835; Dec. 8.
Draper Corporation. (See Davis, Harry A., assignor.)
Draper Corporation. (See Stafford, Alfred E., assignor.)
Draper Corporation. (See Stimpson, Wallace I., assignor.)
Draper Corporation. (See Willard, George H., assignor.)
Drueding Brothers Company. (See Drueding, Charles C., assignor.)
Drueding, Charles C., assignor to Drueding Brothers Company, Philadelphia, Pa. Polishing mitt. 1,564,219; Dec. 8.
Dry Zero Corporation. (See Lindsay, Harvey B., assignor.)
Drying Systems, Inc. (See Harrison, Burt S., assignor.)
Dudley, Elbridge G., Schenectady, N. Y., assignor to General Electric Company. Control system for three-unit turbine exciter sets. 1,564,836; Dec. 8.
Dumas, Albert, Sorel, Quebec, assignor to Dumas Transmission Lock & Machinery Company Limited, St. Joseph de Sorel, Quebec, Canada. Locking device for motor vehicles. 1,564,220; Dec. 8.
Dumas Transmission Lock & Machinery Company, Limited. (See Dumas, Albert, assignor.)
Dunbar, Ernest W. (See MacPherson, W., and Dunbar.)
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Safety device for printing and addressing machines. 1,564,221; Dec. 8.
Duncan, William M., Alton, Ill. Maintaining combustion in furnaces. 1,564,542; Dec. 8.
Dunlap, Charles L., Medina, Ohio. Wrench. 1,564,222; Dec. 8.
Dunlop Rubber Company, The. (See Macbeth, Colin, assignor.)
Dunlop Tire and Rubber Corporation of America. (See Jones, Arthur W., assignor.)
Durbin, Vernon, Newton, assignor to The Holtzer-Cabot Electric Compound, Roxbury, Mass. Loud speaker. 1,564,763; Dec. 8.
Dutcher, Frank, Versailles, Pa. Railway signal torpedo. 1,565,067; Dec. 8.
Dykes, John L. G., Chicago, Ill. Process and apparatus for vulcanizing articles. 1,564,473; Dec. 8.
Dyrssen, Waldemar, New York, N. Y. Open-hearth furnace. 1,564,330; Dec. 8.
Earnshaw, Arthur R., Wynnewood, Pa. Float valve. 1,564,764; Dec. 8.
Eastern Tube and Tool Company. (See Emrick, George W., assignor.)
Eastman Kodak Company. (See Capstaff, John G., assignor.)
Eastman Kodak Company. (See Eberlin, Leon W., assignor.)
Eastman Kodak Company. (See Kocher, N. S., and Kimmel, assignors.)
Eastman Kodak Company. (See Palmer, V. M., and Thomas, assignors.)
Eastman Kodak Company. (See Tessier, Julien, assignor.)
Eberhardt, Walter. (See Herschede, W. J., and Eberhardt.)
Eberlin, Leon W., assignor to Eastman Kodak Company, Rochester, N. Y. Removing pyridine from nitrocellulosic materials. 1,564,765; Dec. 8.
Ebright, Harry C., Youngstown, Ohio. Drosser for galvanizing kettles. 1,565,068; Dec. 8.
Edeborg, Johan A., Eskilstuna, Sweden. Hose clamp. 1,564,837; Dec. 8.
Edgeworth, Kenneth E., London, England. Container for corrosive liquids. 1,564,766; Dec. 8.
Edwards, Edward T., Latrobe, Pa. Golf club. 1,565,069; Dec. 8.
Edwards, Edward T., Latrobe, Pa. Golf club. 1,565,070; Dec. 8.
Efficiency Electric Corporation, The. (See Dean, William W., assignor.)
Eggart, Carl, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland. Variable-speed gearing. 1,564,767; Dec. 8.
Eggleston, Lewis W., Buffalo, N. Y. Emergency indicator for automobiles. 1,564,409; Dec. 8.
Ehrhart, Raymond N., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,564,223; Dec. 8.
Eisenstein, Alfred, Leitmeritz, assignor of one-half to the Firm Georg Schicht, A.-G., Aussig, Czechoslovakia. Oxidiging oils. 1,564,331; Dec. 8.
Electrical Engineers Equipment Company. (See Woodmansee, Fay, assignor.)
Elevator Safety Appliance Co. (See Brush, F. F., and Groat, assignors.)
Elevator Supplies Company. (See Fear, Harold J., assignor.)
Elias, Elias J., assignor of one-half to A. N. Osterholm, Omaha, Nebr. Mop. 1,564,332; Dec. 8.
Ellingson, Gustave O., Bemidji, Minn. Gauge. 1,564,543; Dec. 8.
Elliott, Charles E., Wellsburg, W. Va. Rail joint. 1,564,544; Dec. 8.
Ellis, Horace R., Meadville, Pa. Window screen. Re-16,222; Dec. 8.
Ellis, Lawrence E., New York, N. Y. Textile fabric. Des. 68,955; Dec. 8.
Ellis, Lewis L., Sarasota, Fla. Form for concrete construction. 1,565,071; Dec. 8.
Elmore, Frank E., Boxmoor, England, assignor to N. C. Christensen, Salt Lake City, Utah. Treatment of argentiferous sulphide ores. 1,565,072; Dec. 8.
Elmore, Frank E., Boxmoor, England, assignor to N. C. Christensen, Salt Lake City, Utah. Treatment of argentiferous sulphide ores. 1,565,073; Dec. 8.
Emrick, George W., assignor to Eastern Tube and Tool Company, Brooklyn, N. Y. Chuck. 1,564,768; Dec. 8.
Engle, Washington J., Urbana, Ill. Agricultural implement. 1,564,333; Dec. 8.
Eppenstein, Otto, assignor to Firm of Carl Zeiss, Jena, Germany. Distance-measuring device. 1,564,769; Dec. 8.
Erickson, Charles A., Chicago, Ill. Combined holder and notcher or cutter for cash tickets. 1,564,545; Dec. 8.
Ericson, Carl L., Longmeadow, and W. Roberts; said Ericson assignor to American Saw and Manufacturing Company, Springfield, Mass. Ratchet wrench. 1,564,838; Dec. 8.
Erlanger, Milton S. (See Clark, Edgar R., assignor.)
Erskine, Thomas, and A. C. Arnot, Taft, Calif. Belt clamp. 1,565,074; Dec. 8.
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Modulating apparatus for telegraph signals. 1,564,224; Dec. 8.
Evans, Owen R., assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Fuel spreader for gas generators or the like. 1,564,546; Dec. 8.
Evans, William C. L., New York, N. Y. Drum and cymbal apparatus. 1,564,839; Dec. 8.
Ewing, Albert L., Seattle, Wash. Plier lock. 1,564,334; Dec. 8.
Eyer, Carl, and R. Griessbach, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Manufacturing solid calcium nitrate. 1,564,410; Dec. 8.
Eynon, Harold G., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Extractor. 1,564,770; Dec. 8.
Faber, Guy S., Chicago, Ill. Electrical contact. 1,564,840; Dec. 8.
Falk, Arthur H. (See Speed, J. B., and Falk.)

Faller, Ernest A., New York, N. Y., assignor, by mesne assignments, to The North Electric Manufacturing Company. Self-acting telephone system. 1,565,235; Dec. 8.

Fallon, Joseph E., Boston, Mass. Welt for boots and shoes. 1,564,771; Dec. 8.

Fanders, Marten, Diller, Nebr. Automatic mail-box signal. 1,564,305; Dec. 8.

Fantz, Fred C., St. Louis, Mo., and E. G. Rathbone, Tacoma, Wash., assignors to The Texas Company, New York, N. Y. Mixing wool waste and grease. 1,564,306; Dec. 8.

Farbwerke vorm Meister Lucius & Brüning. (See Schmidt, A., Steindorff, Fluss, and Schaffrath, assignors.)

Farkas, John, assignor of one-half to C. H. Grieser, Detroit, Mich. Auxiliary air-inlet control. 1,564,547; Dec. 8.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Gasket. 1,564,225; Dec. 8.

Fassbender, Heinrich, Charlottenburg, and E. Habann, assignors to Deutsche Telephonwerke G. m. b. H., Berlin, Germany. High-frequency cable telegraphy. 1,564,660; Dec. 8.

Fassbender, Henry, Council, Idaho. Box lifter. 1,565,075; Dec. 8.

Faure, René, Paris, France. Gas radiator with heat recovery and continuous ventilation. 1,564,661; Dec. 8.

Fay, Richard D. (See Barber, W. H., and Fay.)

Fear, Harold J., Montclair, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Elevator-door control. 1,565,143; Dec. 8.

Feldkamp, Frederick A., Newark, N. J. Fuse medium. 1,564,335; Dec. 8.

Fensky, Charles, St. Louis, Mo. Audiphone. 1,564,474; Dec. 8.

Fereo, Antonio, and A. Matizza, New York, N. Y. Creeper attachment for shoes. 1,564,307; Dec. 8.

Fernald Manufacturing Company. (See Wolfe, Samuel C., assignor.)

Fibroc Insulation Company. (See Frederick, Louis T., assignor.)

Fink, Bishop E., Fort Myers, Fla. Handle-bar-grip fastener. 1,565,076; Dec. 8.

Finn, Mary G., Mount Vernon, N. Y. Holder for baked apples. 1,565,077; Dec. 8.

Finnell, Walter S., Hannibal, Mo. Brush head for rotary scrubbing machines. 1,564,226; Dec. 8.

Fischbach, Walter M., Milwaukee, Wis. Salt and pepper shaker. 1,564,336; Dec. 8.

Fischbach, Walter M., Milwaukee, Wis. Guard-rail structure for toy railway tracks. 1,564,337; Dec. 8.

Fischer, Emil H., assignor to H. C. Miller Co., Milwaukee, Wis. Post fastening for loose-leaf binders. 1,564,772; Dec. 8.

Fisher, John A., Sandusky, Ohio. Rotary amusement device. 1,564,952; Dec. 8.

Fitzgerald, Jesse L., sr., Oberlin, Kans. Thrashing machine. 1,565,078; Dec. 8.

Flajole, Frank J., Seattle, Wash. Steel heating boiler. 1,564,475; Dec. 8.

Fleischer, Charles, Brooklyn, N. Y. Amusement device. 1,564,841; Dec. 8.

Flemister, George, Rome, Ga. Steering-gear attachment. 1,564,662; Dec. 8.

Flentje, Ernst, Cambridge, Mass. Shock absorber. 1,564,227; Dec. 8.

Fletcher, Harvey, assignor to Western Electric Company, Incorporated, New York, N. Y. Testing circuits. 1,564,228; Dec. 8.

Fletcher Works, Incorporated. (See Eynon, Harold G., assignor.)

Flory, S., Manufacturing Co. (See Strout, Charles C., assignor.)

Fluss, Alfred. (See Schmidt, A., Steindorff, Fluss, and Schaffrath.)

Foley, Thomas F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Drop weight for Knowles looms. 1,564,338; Dec. 8.

Fones, John H., Oakland, Calif. Wrench. 1,564,411; Dec. 8.

Foote-Burt Company, The. (See Barnes, Frederick A., assignor.)

Foote-Burt Company, The. (See Randles, George E., assignor.)

Foote, Paul D. (See Harrison, T. R., and Foote.)

Ford, James W., Galesburg, Ill. Child's wheeled vehicle. 1,564,548; Dec. 8.

Foreman, Lemuel R., Elizabeth City, N. C. Railway vehicle. 1,565,079; Dec. 8.

Foresman, Robert A., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mechanical stoker. 1,564,229; Dec. 8.

Fornaca, Guido, Turin, Italy. Superfeed system for internal-combustion engines. 1,564,842; Dec. 8.

Foust, John L., Baker, Mont. Engine manifold. 1,565,080; Dec. 8.

Fowler, Harry. (See Perry, Joseph B., assignor.)

Frankle, Milton, Des Moines, Iowa. Nonvibratory ventilator closure. 1,564,412; Dec. 8.

Franklin, Charles R., Dover, N. J. Preparing propellant powders. 1,564,549; Dec. 8.

Franklin, Charles S., London, England, assignor to Radio Corporation of America. High-frequency alternator. 1,564,476; Dec. 8.

Franz and Summers. (See Summers, Louis D., assignor.)

Fraser, Chelsea C., and J. A. Goss, Grand Rapids, Mich. Measuring chair. 1,564,339; Dec. 8.

Frater, George G., assignor to G. B. Lewis Company, Watertown, Wis. Beehive frame. 1,564,773; Dec. 8.

Frazier, Stanley H., Cainesville, Mo. Sifter. 1,565,081; Dec. 8.

Frederick, Louis T., assignor to Fibroc Insulation Company, Valparaiso, Ind. Composite material for gears and the like. 1,564,774; Dec. 8.

Freeman, Edgar H., assignor, by mesne assignments, to Circle F. Mfg. Co., Trenton, N. J. Pull-chain candelabrum socket. 1,565,082; Dec. 8.

Freeman Mfg. Co. (See Clay, James S., assignor.)

Freer, Henry H., Leicester, England. Clicking or like cutting-out knife. 1,565,083; Dec. 8.

Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co. Inc., Philadelphia, Pa. Body for lighting fixtures. Des. 68,956; Dec. 8.

Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co. Inc., Philadelphia, Pa. Lantern for lighting fixtures. Des. 68,957; Dec. 8.

Frerichs, Henry G., Bartonville, Ill. Article for lining tap holes of furnaces. 1,565,084; Dec. 8.

Fried. Krupp Grusonwerk Aktiengesellschaft. (See Ullrich, Georg, assignor.)

Frister, Fritz. (See Kalischer, G., Müller, and Frister.)

Fuller-Gates Company. (See Gates, Frederic P., assignor.)

Fulton, Morris M., assignor to Jefferson Electric Mfg. Co., Chicago, Ill. Stacking machine. 1,564,843; Dec. 8.

Furgal, Frank L., Warren, Mass. Harness or drop-box chain. 1,565,085; Dec. 8.

Gallon Metallic Vault Company, The. (See Smith, R. E., Gay, and Arnold, assignors.)

Gall, Cary H. (See Austin, R. L., and Gall.)

Gallagher, James F., Brooklyn, N. Y. Diaphragm. 1,565,086; Dec. 8.

Galle, Hugo, deceased, by S. Galle, executrix, Coesfeld, Germany. Traveling or chain grate stoker. 1,565,087; Dec. 8.

Galle, Sophie, executrix. (See Galle, Hugo.)

Galligan, Thomas F., Philadelphia, Pa. Glare guard for eyeglasses. 1,564,663; Dec. 8.

Gardner, Henry A., Washington, D. C. Film-forming composition. 1,564,664; Dec. 8.

Gardner, John D., Phoenix, Ariz. Sash adjuster and fastener. 1,564,844; Dec. 8.

Gargan, John O., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Condenser. 1,565,088; Dec. 8.

Garlick, Maurice C., Easton, Pa. Switch and the like. 1,564,340; Dec. 8.

Garlick, Maurice C., Easton, Pa. Electrically-operated switch. 1,564,341; Dec. 8.

Garrison, Orlando, Dayton, Ohio. Chuck. 1,565,227; Dec. 8.

Gates, Frederic P., West Hartford, assignor to The Fuller-Gates Company, Hartford, Conn. Knob for snap switches. 1,564,550; Dec. 8.

Gates, Frederic P., West Hartford, assignor to The Fuller-Gates Company, Hartford, Conn. Electric switch. 1,564,551; Dec. 8.

Gates, Leroy G., Bakersfield, Calif. Centrifugal separator. 1,564,665; Dec. 8.

Gauthier, Ernest, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reciprocating mechanism. 1,565,089; Dec. 8.

Gay, John C. (See Smith, R. E., Gay, and Arnold.)

Gebhardt, James J., and O. P. Wodack, assignors to Wodack Electric Tool Corporation, Chicago, Ill. Portable power-driven tool. 1,564,342; Dec. 8.

Geiser, Charles J., Chicago, Ill. Shoe-shining stand. Re16,221; Dec. 8.

Gelsthorp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 1,564,230; Dec. 8.

General Electric Company. (See Alexanderson, Ernst F. W., assignor.)

General Electric Company. (See Dana, Duncan, assignor.)

General Electric Company. (See Dudley, Elbridge G., assignor.)

General Electric Company. (See Gross, B., and Goeller, assignors.)

General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)

General Electric Company. (See Hildebrand, Lee E., assignor.)

General Electric Company. (See Hull, Albert W., assignor.)

General Electric Company. (See Marcellus, Frederick S., assignor.)

General Electric Company. (See Stevenson, Alexander R., jr., assignor.)

General Electric Company. (See Unger, Magnus, assignor.)

General Electric Company. (See Warren, Henry E., assignor.)

General Electric Company. (See Wiedemann, Rudolph F. E., assignor.)

General Motors Corporation. (See Blackmore, Lloyd assignor.)

General Motors Corporation. (See Bower, Ferdinand A., assignor.)





Gerdes, Theodore R. N., New York, N. Y. Apparatus for therapeutic treatment. 1,564,552; Dec. 8.

Gertsfeld, Abraham E., New York, N. Y. Lock. 1,564,953; Dec. 8.

Gibbs & Hill. (See Goldstone, Philip, assignor.)

Gibson, George H., Montclair, N. J. Combustion regulation. 1,564,553; Dec. 8.

Gibson, William R., Mansfield, La. Vacuum oil burner. 1,564,343; Dec. 8.

Gifford, Richard T., Springfield, assignor to E. N. White, J. L. Wyckoff, and G. R. Burkhardt, trustees, doing business as Cowan Truck Company, Holyoke, Mass. Check device. 1,564,554; Dec. 8.

Girard, Fritz, Hanau-on-the-Main, Germany. Quartz lamp. 1,564,344; Dec. 8.

Girard, Henri. (See Prost, Etienne, assignor.)

Gischow, Otto R. (See Richie, Joseph R., assignor.)

Glass, William W., Gas City, assignor to J. F. Sparks and W. C. Johnson, Summitville, Ind. Automatic bottle conveyer and feeder for leers. 1,564,477; Dec. 8.

Glenn, Ivo B., et al. (See Williams, Arthur J., assignor.)

Glenn, William F., et al. (See Williams, Arthur J., assignor.)

Goelitz, Henry G., et al. (See Purnell, Lemuel H., assignor.)

Goeller, Robert A. (See Gross, B., and Goeller.)

Goff, Harold W., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone switch. 1,564,231; Dec. 8.

Golden, Daniel J., Brockton, Mass. Sporting shoe. 1,564,232; Dec. 8.

Goldsmith, Alfred N., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Variable electrical controlling element. 1,564,555; Dec. 8.

Goldstein, Charles, Chicago, Ill. Bookbinder. 1,564,233; Dec. 8.

Goldstone, Philip, Woodhaven, assignor to Gibbs & Hill, New York, N. Y. Interference-reducing system. 1,564,345; Dec. 8.

Gong Bell Manufacturing Company, The. (See Allen, Harold D., assignor.)

Gong Bell Manufacturing Company. (See West, George A., assignor.)

Goodell-Pratt Company. (See Young, Frank L., assignor.)

Goodfellow, Robert L., Binger, Okla. Shock absorber. 1,564,556; Dec. 8.

Goodwillie, John E., Brooklyn, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Surface condenser. 1,564,954; Dec. 8.

Goodyear Tire & Rubber Company, The. (See Litchfield, Paul W., assignor.)

Gorcy, Emile, Montreal, Quebec, Canada. Transfer ink. 1,564,234; Dec. 8.

Goss, Josephine A. (See Fraser, C. C., and Goss.)

Grasselli Chemical Company, The. (See Hoff, Clayton M., assignor.)

Grasselli Dyestuff Corporation. (See Kränzlein, G., Corell, and Sedlmayer, assignors.)

Gray, G. A., Company, The. (See Cardullo, F. E., and Hunt, assignors.)

Green, Charles A., and H. J. Brunk, assignors to The C. F. Pease Company, Chicago, Ill. Drying machine. 1,564,775; Dec. 8.

Green, Thomas W., Philadelphia, Pa. Gas and vapor mixer for heating furnaces. 1,564,346; Dec. 8.

Green, Walter R., Chicago, Ill. Combined luggage and tire carrier. 1,564,776; Dec. 8.

Greenbaus, Abraham S., New York, N. Y. Filing receptacle. 1,564,557; Dec. 8.

Greenlee Bros. & Co. (See Mansfield, Judson H., assignor.)

Gregor, William D., W. M. Osborne, and A. J. Kemzura, Newton Falls, N. Y. Producing pulp. 1,565,090; Dec. 8.

Grieser, Charles H. (See Farkas, John, assignor.)

Griessbach, Robert. (See Eyer, C., and Griessbach.)

Griffin, Joseph F., Brooklyn, assignor to The Superheater Company, New York, N. Y. Filter. 1,564,666; Dec. 8.

Griggs, Elmer V., White Plains, assignor to Western Electric Company, Incorporated, New York, N. Y. Wave-transmission system. 1,565,091; Dec. 8.

Grisdale, George W., assignor to The Brown Instrument Company, Philadelphia, Pa. Recording instrument. 1,564,558; Dec. 8.

Grisdale, George W., assignor to The Brown Instrument Company, Philadelphia, Pa. Recording instrument. 1,564,559; Dec. 8.

Grisdale, George W., assignor to The Brown Instrument Company, Philadelphia, Pa. Recording instrument. 1,564,560; Dec. 8.

Groat, Luther E. (See Brush, F. F., and Groat.)

Groebli, Paul, New York, N. Y. Lace. Des. 68,958; Dec. 8.

Groebli, Paul, New York, N. Y. Lace. Des. 68,959; Dec. 8.

Groebli, Paul, New York, N. Y. Lace. Des. 68,960; Dec. 8.

Groebli, Paul, New York, N. Y. Lace. Des. 68,961; Dec. 8.

Groebli, Paul, New York, N. Y. Lace. Des. 68,962; Dec. 8.

Groebli, Paul, New York, N. Y. Lace. Des. 68,963; Dec. 8.

Groebli, Paul, New York, N. Y. Lace. Des. 68,964; Dec. 8.

Groh, Melvin S., Toronto, Ontario, Canada, assignor to J. Mercadante, New York, N. Y. Manifold. 1,564,777; Dec. 8.

Gross, Benjamin, and R. A. Goeller, New York, N. Y., assignors to General Electric Company. Multiunit panel. 1,564,778; Dec. 8.

Groth, Max. (See Sommer, F., and Groth.)

Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Winding machine. 1,564,478; Dec. 8.

Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Winding machine. 1,564,479; Dec. 8.

Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Winding machine. 1,564,480; Dec. 8.

Gruelle, William D. (See Thomas, Jesse M., assignor.)

Gründig, Hugo K., Dresden, Germany. Shell for inductive high-tension apparatus consisting of annular insulating members. 1,564,561; Dec. 8.

Grünewald, Hans, Hanover, Germany. Manufacture of firework articles. 1,564,562; Dec. 8.

Gudeman, Ezra R., Baltimore, Md., and G. J. Mack, Brooklyn, N. Y., assignors to U. S. Industrial Alcohol Co. Valve-operating device for tank cars. 1,564,308; Dec. 8.

Guild, Waldo J., Worcester, Mass. Gearing for power transmission. 1,564,667; Dec. 8.

Habann, Erich. (See Fassbender, H., and Habann.)

Hadley, Art, assignor to The Hadley Company, Providence, R. I. Expansible bracelet. 1,564,563; Dec. 8.

Hadley Company, The. (See Hadley, Art, assignor.)

Hadley Co., The. (See Mealy, Charles A., assignor.)

Hageman, Herman, Dayton, Ohio. Detachable hinge for ironing boards. 1,564,668; Dec. 8.

Hagemann, Bernhard, Langenhorst, near Ochtrup, Germany. Licker-in device for carding engines. 1,564,669; Dec. 8.

Hair, Hardy H., Newport Beach, assignor to F. G. White, trustee, Los Angeles, Calif. Device for taking core samples in rotary drilling. 1,564,779; Dec. 8.

Haller, Robert, Grossenhain, Germany, assignor to Chemische Fabrik Pyrgos, Radebeul-Dresden. Manufacture of soluble starch products. 1,564,955; Dec. 8.

Haiverson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Traffic-signal standard. Des. 68,965; Dec. 8.

Hancock, John W., Ardmore, Okla. Dephlegmator. 1,564,564; Dec. 8.

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Dustless rock drill. 1,564,780; Dec. 8.

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Double-drum hoist. 1,564,781; Dec. 8.

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pile-driver attachment for rock drills. 1,564,956; Dec. 8.

Hanson & Van Winkle Company, The. (See King, Willis R., assignor.)

Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Metal-working machine. 1,564,670; Dec. 8.

Hanson, Einar A., et al., executors. (See Hanson, Bengt M. W.)

Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Counting scale. 1,564,845; Dec. 8.

Harbaugh, Harvey L., assignor of one-half to F. Harwood, Seattle, Wash. Valve. 1,564,846; Dec. 8.

Harbison-Walker Refractories Company. (See Youngman, Robert H., assignor.)

Hard, Charles O. (See Shrover, Jacob L., assignor.)

Harrell, Charles S., Tower Hill, Ill. Post support for rural-route mail boxes. 1,565,144; Dec. 8.

Harrington, Alfred L., Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for melting and fining glass. 1,564,235; Dec. 8.

Harris Automatic Press Company, The. (See Harrold, Charles W., assignor.)

Harris, George H., Stockton, Calif. Overshot draper for headers. 1,564,784; Dec. 8.

Harris, Godfrey H., Kansas City, Mo. Gate-valve mechanism. 1,564,236; Dec. 8.

Harris, Gordon D., Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn. Drying and oxidizing materials in suspended condition. 1,564,565; Dec. 8.

Harris, Gordon D., Freeport, N. Y., assignor to The Industrial Dryer Corporation, Stamford, Conn. Drying materials. 1,564,566; Dec. 8.

Harris, Gordon D., Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn. Method of and apparatus for drying. 1,564,782; Dec. 8.

Harris, Gordon D., Islip, N. Y., assignor, by mesne assignments, to The Industrial Dryer Corporation, Stamford, Conn. Method of and apparatus for drying including solvent recovery. 1,564,783; Dec. 8.

Harris, William W., New York, N. Y., assignor to Mawhinney Last Co., Brockton, Mass. Animated toy. 1,564,785; Dec. 8.

Harrison, Burt S., assignor to Drying Systems, Inc., Chicago, Ill. Air heater. 1,564,567; Dec. 8.

Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Attachment for oscillation generators. 1,565,092; Dec. 8.

Harrison, Thomas R., and P. D. Foote, Washington, D. C.; said Foote assignor to said Harrison. Method of and apparatus for making pyrometric and other measurements. 1,565,093; Dec. 8.

Harrold, Charles W., assignor to The Harris Automatic Press Company, Cleveland, Ohio. Sheet gripper. 1,564,309; Dec. 8.

Hartford-Empire Company. (See Steimer, Theodore C., assignor.)

Harvey, Patrick. (See Kilmartin, James R., assignor.)

Harwood, Frank. (See Harbaugh, Harvey L., assignor.)

Hatch, Alexander G. (See Wildrick, M., and Hatch.)

Hawley, Amos H., Norwood, Ohio, assignor, by mesne assignments, to Remington Arms Company, Inc., New York, N. Y. Accounting machine. 1,564,237; Dec. 8.

Hayden, Benjamin F., Springfield, Mo., assignor to Haydenite Brick and Machinery Company. Building block and wall. 1,564,568; Dec. 8.

Haydenite Brick and Machinery Company. (See Hayden, Benjamin F., assignor.)

Hayes, Frank A. (See Chilton, R., and Hayes.)

Hayward, Claude J., Brazil, Ind. Adjustable bearing for internal-combustion engines. 1,564,481; Dec. 8.

Hazel-Atlas Glass Co. (See Stenhouse, Thomas and D., assignors.)

Heany, John A., New Haven, Conn., assignor, by mesne assignments, to Rockbestos Products Corporation. Asbestos insulating medium. 1,564,238; Dec. 8.

Heilig, Louis E., Sherman, Calif. Garage-door holder. 1,564,671; Dec. 8.

Hein, George N., San Francisco, Calif. Piston and packing construction. 1,564,569; Dec. 8.

Hein, Richard, Witkowitz, Czechoslovakia. Driving means for the idle rolls of rolling mills. 1,564,347; Dec. 8.

Heine Boiler Company. (See Cotton, Alfred, assignor.)

Heine Boiler Company. (See Koellner, Louie F., assignor.)

Heisey, A. H., & Company. (See Heisey, T. Clarence, assignor.)

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Candlestick. Des. 68,966; Dec. 8.

Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,564,847; Dec. 8.

Hemen, Catherine M., Seattle, Wash. Composition for cleaning and polishing silver. 1,564,786; Dec. 8.

Henkel, Frederick, Long Beach, Calif. Riddle. 1,564,570; Dec. 8.

Henry, Beulah L., New York, N. Y. Radiodoll. 1,565,145; Dec. 8.

Henschel, Charles J., Arlington, N. J. Combined shield plate, dial, and vernier. 1,564,672; Dec. 8.

Herman, Carl R., assignor to J. F. Cook, Crafton, Pa. Automatic scale. 1,565,146; Dec. 8.

Herod, Matt, Michigan City, Ind. Oil burner. 1,564,571; Dec. 8.

Herschede Hall Clock Company, The. (See Herschede, W. J., and Eberhardt, assignors.)

Herschede, Walter J., and W. Eberhardt, assignors to The Herschede Hall Clock Company, Cincinnati, Ohio. Forming and applying bent-veneer work. 1,564,848; Dec. 8.

Herschede, Walter J., and W. Eberhardt, assignors to The Herschede Hall Clock Company, Cincinnati, Ohio. Clock cabinet. 1,565,147; Dec. 8.

Hess, Edward B., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriter frame. Des. 68,967; Dec. 8.

Hesselman, Knut J. E., Saltsjo-Storangen, Sweden. Valve-controlling means. 1,564,849; Dec. 8.

Hester, William F., O'Brien, Tex. Cotton sprayer. 1,564,572; Dec. 8.

Hexter, Julian S., Chicago, Ill., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,564,787; Dec. 8.

Heyn, Roman H., Westport, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Cushion cap for stapling machines and the like. 1,564,957; Dec. 8.

Heywood-Wakefield Company. (See Lloyd, Marshall B., assignor.)

Hildebrand, Lee E., Cliftondale, Mass., assignor to General Electric Company. System for the transmission of angular motion. 1,564,788; Dec. 8.

Hildebrandt, Edward and H., Tacoma, Wash. Can closure. 1,564,958; Dec. 8.

Hildebrandt, Harold. (See Hildebrandt, Edward and H.)

Hill, William H., Cleveland, Ohio. Contents-preserving device for safes. 1,564,348; Dec. 8.

Hillyer, Homer W., Farmington, Conn., assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production and isolation of alkali salts of aromatic sulphonic acids. 1,564,239; Dec. 8.

Himmel, Fred and I., New Haven, Conn. Store-front construction. 1,564,789; Dec. 8.

Himmel, Isidore. (See Himmel, Fred and I.)

Hinchliff, Ralph, assignor to Burson Knitting Company, Rockford, Ill. Knitted stocking. 1,564,790; Dec. 8.

Hine, Charles F. (See Rees, C., and Hine.)

Hires, John E., Langhorne, Pa., assignor to Automatic Machinery and Equipment Company. Floor-planing machine. 1,564,349; Dec. 8.

Hitchcock Experiment Company. (See Hitchcock, Halbert K., assignor.)

Hitchcock, Halbert K., Pittsburgh, Pa., assignor of one half to Hitchcock Experiment Company. Process and apparatus for making sheet glass. 1,564,240; Dec. 8

Hitchcock, Halbert K., Pittsburgh, Pa., assignor of one half to Hitchcock Experiment Company. Apparatus for making sheet glass. 1,564,241; Dec. 8.

Hjertberg, John V., Malden Rock, Wis. Water fountain 1,564,350; Dec. 8.

Hjul, James H., San Francisco, Calif. Check holder and record. 1,564,482; Dec. 8.

Hoar, Roger S., assignor to Bucyrus Company, South Milwaukee, Wis. Rope-thrusting shovel. 1,564,791; Dec. 8.

Hocking, Charles E., Lancaster, Pa. Expansion reamer. 1,564,673; Dec. 8.

Hodges, Chas. S., et al. (See Martin, Miles L., assignor.)

Hodgkins, Herbert C., Scotia, N. Y. Figure toy 1,564,674; Dec. 8.

Hoefer, Perry A., et al. (See Reschke, William F., assignor.)

Hoehn, Werner, New Orleans, La. Filtering apparatus 1,564,351; Dec. 8.

Hoerner, Frank, Los Angeles, Calif. Combination surface plate and piston aligner. 1,565,230; Dec. 8.

Hoff, Clayton M., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Electroplating metallic cadmium and electrolytic bath therefor. 1,564,413; Dec. 8.

Hoff, Clayton M., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Cadmium plating. 1,564,414; Dec. 8.

Hoffman, Frederick C., West Hartford, Conn. Mop holder. 1,564,675; Dec. 8.

Hoffman, William L., Easton, Pa. Power-operated scissors. 1,565,148; Dec. 8.

Hoisington, Harry, Davenport, Iowa. Fastening device for shields. 1,564,415; Dec. 8.

Holenstein, Carl, Oerlikon, Switzerland. Sharpener for pencils, crayons, and the like. 1,565,149; Dec. 8.

Holloway, Willis L., assignor, by mesne assignments, to The Union Trust Company, trustee, Cleveland, Ohio. Shackle for springs. 1,564,416; Dec. 8.

Holmes, Bradford B., New York, N. Y. Apparatus for refrigeration. 1,564,242; Dec. 8.

Holtzer-Cabot Electric Company, The. (See Durbin, Vernon, assignor.)

Holtzman, John, New York, N. Y. Container for double-edged safety razors. 1,564,959; Dec. 8.

Holzhalb, Theodore, Brooklyn, N. Y., assignor to The Sugar Studios, Inc. Lighting-fixture part or similar article. Des. 68,968; Dec. 8.

Hood, James F. (See Mountford, H. S., and Ovenshire, assignors.)

Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)

Hopkins, Edwin, New York, N. Y. Dancing slipper. 1,564,676; Dec. 8.

Horn & Brannen Manufacturing Co., The. (See Frerichs, Frederick A., assignor.)

Horsman, William, Detroit, Mich. Tool. 1,564,960; Dec. 8.

Horton, Joseph W., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillation generator. 1,565,150; Dec. 8.

Hotchner, Fred, San Francisco, Calif. Pipe bender. 1,565,094; Dec. 8.

Hotchkiss, E. H., Company, The. (See Heyn, Roman H., assignor.)

Houskeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric discharge device. 1,565,151; Dec. 8.

Houskeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum insulator and its assembly. 1,565,152; Dec. 8.

Howard, Charles H., Saugus, assignor to Paper Products Machine Company, Boston, Mass. Machine for applying reenforcing filaments to fabrics. 1,565,008; Dec. 8.

Howard, Charles H., Cliftondale, and L. Sharp, Attleboro Falls, assignors to Paper Products Machine Company, Boston, Mass. Fabric or paper reenforcing machine. 1,565,009; Dec. 8.

Hrib, Mike. (See Lyeso, George, assignor.)

Huber, Frank P. (See Trager, Victor E., assignor.)

Huber, Gustav A., Landing, N. J. Electric bell. 1,564,850; Dec. 8.

Hubert, Jean, Paris, France. Sustaining and steering surface for aircraft. 1,565,153; Dec. 8.

Hudson, William F., Philadelphia, Pa. Spring support for motor vehicles. 1,564,792; Dec. 8.

Hug, Christian J., assignor to The Hug Company, Highland, Ill. Distributor for concrete mixers. 1,565,154; Dec. 8.

Hug Company, The. (See Hug, Christian J., assignor.)

Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Dynatron synchronous detector. 1,564,851; Dec. 8.

Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. 1,564,852; Dec. 8.





Hull, Matthew R., and C. O. Williamson, assignors to Rex Manufacturing Company, Connersville, Ind. Handle for slidable panels. 1,564,573; Dec. 8.

Hulshizer, George W., Stewartsville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Water-tube guide. 1,564,793; Dec. 8.

Humphreys, Harry, Ballamona, Davenport, England, assignor to Union Bag & Paper Corporation, New York, N. Y. Feeding device for webs of paper and other material. 1,564,794; Dec. 8.

Hunt, Howard W. (See Cardullo, F. E., and Hunt.)

Hunt, J. H. (See Boyes, Estella, assignor.)

Hunt, Wilson P., assignor to Moline Tool Company, Moline, Ill. Machine for lapping and honing cylinders. 1,564,574; Dec. 8.

Hussong Dyeing Machine Company. (See Thompson, James H., assignor.)

Industrial Dryer Corporation, The. (See Harris, Gordon D., assignor.)

Ingersoll-Rand Company. (See Goodwillie, John E., assignor.)

Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)

Ingersoll-Rand Company. (See Hulshizer, George W., assignor.)

Ingersoll-Rand Company. (See Kirgan, John F., assignor.)

Ingersoll-Rand Company. (See Prellwitz, William, assignor.)

Ives Manufacturing Corporation, The. (See Thorn, William E., assignor.)

Ivory, Gus, Jonesboro, Ark. Burglar trap. 1,564,243; Dec. 8.

Jackson, Mitchell, et al. (See McCain, Howard, assignor.)

Jackson, Sherman, assignor of one-half to L. B. Trowbridge, Akron, Ohio. Pouring device for containers. 1,564,853; Dec. 8.

Jacob, Moe, New York, N. Y. Shoe. 1,565,010; Dec. 8.

Jacques, Damase, Detroit, Mich. Winch. 1,564,417; Dec. 8.

Jagschitz, Konrad, Mains, assignor to Machinenfabrik Augsburg-Nurnberg, A. G., Nurnberg, Germany. Closure for dry gasometers. 1,564,854; Dec. 8.

James, Oliver M. (See McGarvey, E. F., and James.)

Jammer, Jacob S., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier signaling system. 1,565,155; Dec. 8.

Janson, Carl G., Stockholm, and N. Persson, Lidingon, assignors to Aktiebolaget Vaporackumulator, Eriksbergsgatan, Stockholm, Sweden. Controlling device operating by the aid of a relay. 1,565,156; Dec. 8.

Jefferson Electric Mfg. Co. (See Fulton, Morris M., assignor.)

Jencick, Stephen, assignor to G. A. Schanze, deceased, Cleveland, Ohio; P. L. Schanze, administrator. Flexible coupling. 1,565,011; Dec. 8.

Jenne, Fritz. (See Tauern, O. D., and Jenne.)

Jensen, Jens A., Belden, Nebr. Toy. 1,564,352; Dec. 8.

Jester, Thomas W., et al. (See Martin, Miles L., assignor.)

Jeup, John, Snohomish, Wash. Antiskid attachment for vehicle wheels. 1,565,095; Dec. 8.

John, Alfred, Gera-Reuss, Germany. Loom. 1,564,677, Dec. 8.

John, Alfred, Gera-Reuss, Germany. Loom. 1,564,678; Dec. 8.

Johne, Otto, Bautzen, Germany. Inking apparatus for platen presses. 1,564,679; Dec. 8.

Johnson, Chris. E. (See Bozeman, V. E., and Johnson.)

Johnson, Edward E., St. Paul, Minn. Chucking machine. 1,564,353; Dec. 8.

Johnson, John B., assignor to Western Electric Company, Incorporated, New York, N. Y. Circuit arrangement for discharge devices. 1,565,157; Dec. 8.

Johnson, John W., Bluefield, W. Va. Gasoline-vending machine. 1,564,575; Dec. 8.

Johnson, Victor A., Hartland, Wis. Foldable brush. 1,565,228; Dec. 8.

Johnson, Willard C., et al. (See Glass, William W., assignor.)

Johnson-Williamson Laboratories, Inc. (See Polydoroff, Wladimir J., assignor.)

Johnston, Harry G., Plains, Mont. Railway switch. 1,564,244; Dec. 8.

Johnston, R. F., Paint Company, The. (See Sinclair, Charles S., assignor.)

Jones, Arthur W., Birmingham, England, assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Manufacture of wheels. 1,565,012; Dec. 8.

Jones, Fordyce C., London, England. Molding rubber articles. 1,564,310; Dec. 8.

Jones, Lee B., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind. Headlight. Des. 68,969; Dec. 8.

Jones, Samuel, and Company Limited. (See Major, Henry V., assignor.)

Jordan, Harry, Carbondale, Pa. Water gauge. 1,565,013; Dec. 8.

Junkers, Hugo, Dessau, Germany. Armored aeroplane. 1,564,354; Dec. 8.

Junkers, Hugo, Dessau, Germany. Flying machine. 1,564,355; Dec. 8.

Jurenka, Louis, New York, N. Y. Phonograph starting and stopping device. 1,565,158; Dec. 8.

Jurs, Louis D., Oakland, assignor to Associated Oil Company, San Francisco, Calif. Apparatus for grounding containers in the distribution of petroleum products. 1,564,855; Dec. 8.

Kahrs, Henry J., New York, and C. Bodri, and P. E. Schneider, Richmond Hill, N. Y. Clothespin machine. 1,564,576; Dec. 8.

Kalischer, Georg, Mainkur, near Frankfort-on-the-Main, and R. Müller and F. Frister, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to Leopold Cassella & Co. Gesellschaft mit beschrankter Haftung. Production of benzanthrone derivatives. 1,565,229; Dec. 8.

Kane, Frank B., Reddick, Ill. Trailer draft gear for automobiles. 1,564,961; Dec. 8.

Karlsen, Eugene S., Chicago, Ill. Faucet. 1,564,856; Dec. 8.

Karlsson, Oscar V., Arlington, N. J. Micrometer. 1,564,857; Dec. 8.

Keith, Irving L. (See Bowlen, Carlos H., assignor.)

Keller, James D., Detroit, Mich. Horse boot. 1,564,245; Dec. 8.

Kelley, Isaac D., jr., St. Louis, Mo. Adenotome. 1,564,356; Dec. 8.

Kelley, Leslie C., Oakland, Calif. Flash boiler. 1,564,680; Dec. 8.

Kellogg Switchboard and Supply Company. (See Grout, Martin B., assignor.)

Kelly, Frank W., and A. H. Luedicke, Milwaukee, Wis. Holder for pasteurizing milk, cream, and other liquids. 1,564,962; Dec. 8.

Kelly, William H., Charlotte, N. C. Pressure gauge. 1,564,246; Dec. 8.

Kelnhofer, Clement, Medford, Wis. Road-surfacing machine. 1,564,577; Dec. 8.

Kelvinator Corporation. (See Spreen, Charles C., assignor.)

Kemzura, Alex J. (See Gregor, W. D., Osborne, and Kemzura.)

Kendall, Burton W., assignor to Western Electric Company, Incorporated, New York, N. Y. Monitoring system. 1,564,357; Dec. 8.

Kennedy, Henry G., Luxemburg, Mo. Pattern for marking walls and using same. 1,564,578; Dec. 8.

Kenyon, William C., assignor to The Rockford Machine Tool Company, Rockford, Ill. Lathe. 1,564,483; Dec. 8.

Kercher, Arthur J., Berkeley, Calif. Electrical heating device. 1,564,681; Dec. 8.

Kibele, Eugene, San Antonio, Tex. Packing ring for pump pistons. 1,564,484; Dec. 8.

Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Front support for gas heaters. 1,564,579; Dec. 8.

Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Metallic post for gas heaters. 1,564,580; Dec. 8.

Kiewicz, John, assignor to The Reece Buttonhole Machine Company, Boston, Mass. Thread-trimming device for sewing machines. 1,565,159; Dec. 8.

Kiewicz, John, assignor to The Reece Buttonhole Machine Company, Boston, Mass. Thread-trimming device for sewing machines. 1,565,160; Dec. 8.

Kiewicz, John, assignor to The Reece Buttonhole Machine Company, Boston, Mass. Thread-trimming device for sewing machines. 1,565,161; Dec. 8.

Kilmartin, James R., assignor of one-half to P. Harvey, Washington, D. C. Scraping tool. 1,564,247; Dec. 8.

Kimball, James L., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Regulator. 1,564,682; Dec. 8.

Kimball, James L., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Pressure regulator. 1,564,683; Dec. 8.

Kimball, James L., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Pressure-control apparatus. 1,564,684; Dec. 8.

Kimball, James L., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Damper regulator. 1,564,685; Dec. 8.

Kimball, James L., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Regulator. 1,564,686; Dec. 8.

Kimball, James L., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Pressure-control apparatus for controlling the operation of boiler feed pumps for maintaining feed-line pressure a predetermined value in excess of the steam pressure. 1,564,687; Dec. 8.

Kimball, James L., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Pressure-control apparatus. 1,564,688; Dec. 8.

Kimmel, Victor E. (See Kocher, N. S., and Kimmel.)

King, Frank W., Kellogg, assignor of one-half to H. L. Nay, Sebastapol, Calif. Prune harvester. 1,565,162; Dec. 8.

King, Theodore T., assignor of three-fourths to J. M. Watson, Oklahoma City, Okla., and one-fourth to F. B. Owen. Swivel mandrel. 1,565,014; Dec. 8.

King, Willis R., assignor to The Hanson & Van Winkle Company, Newark, N. J. Electroplating. 1,564,581; Dec. 8.

Kinsley, Felix P., St. Louis, Mo. Bowknot wedding ring. Des. 68,970; Dec. 8.

Kiral, Luke, Brooklyn, N. Y. Moving-picture-projecting machine. 1,565,163; Dec. 8.

Kirchner, Henry W., St. Louis, Mo. Method and apparatus for transferring containers. 1,564,419; Dec. 8.

Kirchner, Henry W., St. Louis, Mo. Freight-handling system. 1,564,420; Dec. 8.
Kirgan, John F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Self-cleaning spray head. 1,564,963; Dec. 8.
Kirsch, Charles W., Sturgis, Mich. Curtain rod or similar article. Des. 68,971; Dec. 8.
Kirsch, Charles W., Sturgis, Mich. Curtain rod or similar article. Des. 68,972; Dec. 8.
Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 68,973; Dec. 8.
Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 68,974; Dec. 8.
Klein, Philip, Mansfield, Ohio. Drafting table. 1,564,358; Dec. 8.
Klein, Philip, Mansfield, Ohio. Drafting table. 1,564,359; Dec. 8.
Klein, William C., Allentown, Pa. Fare register. 1,565,164; Dec. 8.
Kleinschmidt, Edward E., Brooklyn, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Printing telegraph. 1,564,421; Dec. 8.
Kleinschmidt, Edward E., Brooklyn, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Printing telegraphy. 1,564,422; Dec. 8.
Kleinschmidt, Edward E., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Telegraph printer. 1,565,165; Dec. 8.
Klinch-Lath Corporation. (See Ritchie, Carleton P., assignor.)
Kloppman, Herman W., Chicago, Ill. Smoking pipe. 1,564,858; Dec. 8.
Kober, Philip A., Hastings-upon-Hudson, N. Y. Manufacture of neo-arsphenamine. 1,564,859; Dec. 8.
Kober, Philip A., Hastings-upon-Hudson, N. Y. Manufacture of hydrochlorides of 3-3'-diamino-4-4'-dioxyarsenobenzene. 1,564,860; Dec. 8.
Kocher, Neil S., and V. E. Kimmel, assignors to Eastman Kodak Company, Rochester, N. Y. Reducing the viscosity characteristics of nitrocellulose. 1,564,689; Dec. 8.
Koehring Company. (See Koehring, Philip A., assignor.)
Koehring, Philip A., assignor to Koehring Company, Milwaukee, Wis. Draft and brace means for concrete mixers. 1,564,582; Dec. 8.
Koellner, Louie F., assignor to Heine Boiler Company, St. Louis, Mo. Internal mandrel for headers. 1,565,015; Dec. 8.
König, Albert, assignor to the Firm Carl Zeiss, Jena, Germany. Double-image microscope. 1,564,418; Dec 8.
Kosken, Wilho A. (See Bennett, F. D., and Kosken.)
Koudriavzeff, Michel V., and H. Romanoff, New York, N. Y. Signaling device. 1,564,583; Dec. 8.
Knieling, Charles A., Cleveland, Ohio. Film-measuring chart. 1,564,964; Dec. 8.
Knowles, Carroll, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Gear-cutter-grinding machine. 1,564,248; Dec. 8.
Kraatz, Willy, Kreuznach, Germany. Weighing-machine case. Des. 68,975; Dec. 8.
Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillips and E. A. Darr, executors. Pipe coupling. 1,564,965; Dec. 8.
Kränzlein, Georg, M. Corell, and R. Sedlmayr, Hochst-on-Main, Germany, assignors, by mesne assignments, to Graselli Dyestuff Corporation, New Yory, N. Y. Condensation product of the anthaquinone series and making same. 1,564,584; Dec. 8.
Kraus, Steve. (See Boosh, John, assignor.)
Krause, Norman R., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Weed screen for thrashing machines. 1,564,585; Dec. 8.
Krause, Norman R., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Ensilage cutter. 1,564,586; Dec. 8.
Kreisinger, Henry, Piermont, assignor to Combustion Engineering Corporation, New York, N. Y. Fuel drier. 1,564,361; Dec. 8.
Kreiziger, Joseph, Los Angeles, Calif. Sprinkler head. 1,564,587; Dec. 8.
Kregelius, Louis M., assignor to The United States Platers Supply Company, Cleveland, Ohio. Metal container. 1,564,360; Dec. 8.
Kruh, Oslas, and E. Wolf, Vienna, Austria. Seal for leading-in wires. 1,564,690; Dec. 8.
Kruse, Ferdinand, assignor of one-half to H. Cohn, New York, N. Y. Sausage-forming machine. 1,564,588; Dec 8.
Kulick, Abraham, New York, N. Y. Hand bag. 1,564,966; Dec 8.
Kulick, Abraham, New York, N. Y. Hand bag. 1,564,967; Dec 8.
Kumfy Kab Company. (See Martin, John G., assignor.)
Kurman, Nathan A., New York, N. Y. Sound-reproducing device. 1,564,968; Dec. 8.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,564,861; Dec. 8.
Labombarde, Elie W., Nashua, N. H. Leakproof paper box and making the same. 1,565,166; Dec. 8.
Labombarde, Harold S., Nashua, N. H. Carton-making machine. 1,565,167; Dec. 8.
La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on welting. 1,564,862; Dec. 8.
Lacy, Frank R., assignor to E. H. Seeman, Chicago, Ill. Paper and envelope dispensing apparatus. 1,564,249; Dec. 8.
Laesker, Jean, assignor to Société Anonyme Adolphe Saurer, Arbon, Switzerland. Gear-testing machine. 1,564,689; Dec. 8.
Laing, George W., Vancouver, British Columbia, Canada. Table game. 1,564,863; Dec. 8.
Lake, James, jr., Brooklyn, N. Y. Tandem attachment. 1,565,016; Dec. 8.
Lamberger, Kate L., New York, N. Y. Attachment or adjustable back for corsets. 1,565,168; Dec. 8.
Lambert, Clara B., Pasadena, Calif. Pie clamp and juice retainer. 1,564,590; Dec. 8.
Lambert, Russell A., Springfield, Mass. Display box. 1,564,250; Dec. 8.
Landine, Peter N., Milford, Conn. Cowl ventilator. 1,564,251; Dec. 8.
Langdon, Nelson M., Charlotte, Mich. Latch for covers or doors. 1,564,691; Dec. 8.
Lanneche, Albert, Stuttgart, Germany. Manufacturing back-cut screw dies made in two parts with four chasers or cutting edges. 1,564,591; Dec. 8.
Lanz, Firm of Heinrich. (See Sipp, Karl, assignor.)
Largilliere, August, Soda Springs, Idaho. Dirigible sleigh. 1,564,692; Dec. 8.
Larner, Chester W., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Differential plunger valve. 1,564,252; Dec. 8.
Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Ice-cream freezer. 1,564,253; Dec. 8.
Laster, Harry W., Oak Park, assignor of thirty-three and one-third per cent to J. E. Byron, Chicago, and fifteen and two-thirds per cent to M. J. Boyce, Oak Park, Ill. Oil burner. 1,564,592; Dec. 8.
Laurency, Guillaume C., and M. Vigier, London, England. Lap-forming apparatus. 1,564,254; Dec. 8.
Lawrence, William O., Spokane, Wash. Combined lock and latch. 1,564,593; Dec. 8.
Lawson, Martin A., Middletown, Ohio. Water-tube boiler. 1,565,169; Dec. 8.
Layne & Bowler Company. (See McCartney, Robert L., assignor.)
Lea, Edward P., South Orange, assignor to The Riegel Sack Company, Jersey City, N. J. Bag. 1,564,255; Dec. 8.
Leaming, Thomas H. (See Derick, C. G., Leaming, and Ralph.)
Lechleitner, Henry, Akron, Ohio. Pipeless furnace. 1,564,256; Dec. 8.
Ledbetter, James C., Brooklyn, assignor, by mesne assignments, to Liberty National Bank, trustee, Syracuse, N. Y. Garment press. 1,564,693; Dec. 8.
Leh, Harold M., Philadelphia, Pa. Bookrest. 1,564,594; Dec. 8.
Leinbach, Edward L., Chicago, Ill. Shock absorber. 1,564,864; Dec. 8.
Leinbach, Edward L., Chicago, Ill. Shock absorber. 1,564,865; Dec. 8.
Leon, Lewicki J., West Chicago, Ill. Birdcage stand. Des. 68,976; Dec. 8.
Leopold Cassella & Co. Gesellschaft mit beschrankter Haftung. (See Kallscher, G., Müller, and Frister, assignors.)
Lerchen, Edward H., East Orange, N. J. Shield for amplifier or detector tubes. 1,564,694; Dec. 8.
Le Roy, Frank, Aberdeen, Wash. Propelling means for boats. 1,565,170; Dec. 8.
Leslie, Edward A., Brooklyn, N. Y. Heat generation from liquid fuel. 1,564,866; Dec. 8.
Letzring, Ernest and W. Skjerven, Park River, N. Dak. Tire-gauge instrument. 1,564,695; Dec. 8.
Levasseur, Thomas, Oldtown, Me. Apparatus for unloading ships. 1,564,795; Dec. 8.
Lewis, G. B., Company. (See Frater, George G., assignor.)
Liberty National Bank, trustee. (See Braun, Philip N., assignor.)
Liberty National Bank, trustee. (See Clisson, Albert B., assignor.)
Liberty National Bank, trustee. (See Ledbetter, James C., assignor.)
Lidzbarsky, Nathan, New York, N. Y. Wedding ring. Des. 68,977; Dec. 8.
Liebowitz, Irving. (See Stein, H., Austin, and Liebowitz.)
Lightship Cloth Board Corporation. (See Smith, Harry B., assignor.)
Lindmark, John M., Seattle, Wash. Vehicle wheel. 1,564,867; Dec. 8.
Lindsay, Harvey B., Oakland, Calif., assignor to Dry Zero Corporation, Wilmington, Del. Mattress machine. 1,564,868; Dec. 8.
Lippman, William A., St. Louis, Mo. Camping trailer. 1,564,257; Dec. 8.
Litchfield, Paul W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. Des. 68,978; Dec. 8.
Livesay, Robert C., assignor to Deere & Company, Moline, Ill. Knife head for harvesters. 1,565,171; Dec. 8.



Lloyd, Marshall B., Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Vehicle hood fixture. 1,564,969; Dec. 8.
Lobnitz & Company Limited. (See Bedgood, Herbert O., assignor.)
Locke, Pauline C., Birmingham, Ala. Flower holder for churches. Des. 68,979; Dec. 8.
Locke Steel Chain Company, The. (See Locke, Sylvanus D., assignor.)
Locke, Sylvanus D., assignor to The Locke Steel Chain Company, Bridgeport, Conn. Strip-metal straightener. 1,564,696; Dec. 8.
Locomotive Stoker Company. (See Lower, Nathan M., assignor.)
Loepfe, Charles M., assignor to Cottonwood Fiber Company, St. Louis, Mo. Burner Mantle. 1,564,362; Dec. 8.
Lo Grasso, Horace, Perrysburg, N. Y. Orthopedic bed. 1,564,596; Dec. 8.
Lohrer, Emil, Basel, 2Switzerland. Advertising tablet. 1,564,595; Dec. 8.
Long, William R., St. Louis, Mo. Adhesive. 1,564,970; Dec. 8.
Lotte, Lucien P. C., Paris, France. Tire protector. 1,565,172; Dec. 8.
Loughran, Alexius, Brooklyn, N. Y. Sandslinger machine. 1,564,258; Dec. 8.
Lovejoy, Ralph M., Meredith, N. H. Shock-absorber connection. 1,564,869; Dec. 8.
Lower, Nathan M., Pittsburg, Pa., assignor to Locomotive Stoker Company. Resilient trough support. 1,565,017; Dec. 8.
Lower, Nathan M., Pittsburgh, Pa., assignor to Locomotive Stoker Company. Stoker elevator. 1,565,018; Dec. 8.
Luedicke, Alex H. (See Kelly, F. W., and Luedicke.)
Lund, Carl C. P., Oakfield, Wis. Horseshoe-pitching game. 1,564,597; Dec. 8.
Lüttringhaus, Arthur, and H. Wolf, Mannheim, and H. Neresheimer, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Manufacture of benzanthrone derivatives. 1,564,423; Dec. 8.
Lyeso, George, Gingmont, assignor of one-tenth to M. Hrib, Rosemont, W. Va. Illuminating means for smokers' appliances. 1,565,173; Dec. 8.
Lynch, Joseph H., Asbury Park, N. J. Clasp. 1,564,424; Dec. 8.
Lynch, Joseph H., Asbury Park, N. J. Laundry tag and holder. 1,564,425; Dec. 8.
Lynde, Frank G., Newark, N. J., assignor to Auto Pneumatic Action Company. Manually or mechanically operated piona. 1,564,870; Dec. 8.
Maanum, Dedrick A., Minneapolis, Minn. Nozzle for milk-can cleaners. 1,564,598; Dec. 8.
Mabee, Alexander C., Villa Park, and H. Sweet, Evanston, Ill. Support. 1,564,873; Dec. 8.
Macbeth, Colin, Birmingham, assignor to The Dunlop Rubber Company, Limited, Regent's Park, London, England. Machine for making pneumatic tire covers or casings. 1,565,176; Dec. 8.
MacGregor, Peter G., Pequannock, assignor to Pyrene Manufacturing Company, Newark, N. J. Pump. 1,564,428; Dec. 8.
Machinenfabrik Augsburg-Nurnberg, A. G. (See Jagschitz, Konrad, assignor.)
Mack, George J. (See Gudeman, E. R., and Mack.)
MacKenzie, Donald, assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for comparing sounds. 1,565,177; Dec. 8.
Mackovjak, George, Johnstown, Pa. Combination envelope and letter sheet. 1,565,178; Dec. 8.
MacPherson, Warren, Cambridge, and E. W. Dunbar, Hudson, assignors to Cambridge Rubber Company, Cambridge, Mass. Overshoe and manufacturing the same. 1,564,429; Dec. 8.
Madden, Mark F., Chicago, Ill. Footgear. 1,564,874; Dec. 8.
Maddrell, Walter J., Minneapolis, Minn. Device for maintaining liquid levels. 1,564,430; Dec. 8.
Madsenell Corporation. (See Pedersen, Arthur Z., assignor.)
Magaw, Addison S. (See Magaw, John G. and A. S.)
Magaw, John G. and A. S., Lakewood, Ohio. Preserving fruits. 1,564,599; Dec. 8.
Mahoney, Joseph N., Brooklyn, N. Y., and W. M. Austin, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical system. Re16,223; Dec. 8.
Maior, Harry V., assignor to Samuel Jones and Company, Limited, London, England. Gum bottle and the like. 1,565,179; Dec. 8.
Makin, Giles M. G., Pawtucket, R. I. Lace-machine carriage. 1,565,180; Dec. 8.
Malouf, Charles and N., Chicago, Ill. Coin-controlled clock. 1,564,431; Dec. 8.
Malouf, Nicholas. (See Malouf, Charles and N.)
Maly, Hermann, Guben, Germany. Carding textile fibers and apparatus therefor. 1,564,600; Dec. 8.
Mangan, Michael R., Chicago, Ill. Spring Structure. 1,564,601; Dec. 8.
Manitowoc Ship Building Corporation. (See West, Charles C., assignor.)
Manning, Sam H., Conroe, Tex. Mixer. 1,565,181; Dec. 8.
Manor, Eli R., St. Paul, Minn. Fire arch for locomotive boilers. 1,564,875; Dec. 8.
Mansfield, Judson H., assignor to Greenlee Bros. & Co., Rockford, Ill. Boring Machine. 1,564,876; Dec. 8.
Marcelius, Frederick S., Amsterdan, N. Y., assignor to General Electric Company. Commutation device for meters. 1,564,877; Dec. 8.
March, John, Philadelphia, Pa. Collapsible Fan. 1,565,020; Dec. 8.
Marcuse, Adolf, Berlin-Charlottenburg, and H. Wanschaff, Berlin, Germany, assignors to the Firm "Pag" Aktiengesellschaft für Industrie und Technik, Basel, Switzerland. Device for testing gun barrels and the like. 1,564,432; Dec. 8.
Marmoroski, Julius, New York, N. Y. Doorlock. 1,565,021; Dec. 8.
Marshall Electric Company. (See Chandeysson, Pierre I., assignor.)
Martin, Bruno, Saginaw, Mich. Attachment for stove-lid grills. 1,564,602; Dec. 8.
Martin, John G., assignor to Kumfy Kab Company, La Porte, Ind. Loom. 1,564,603; Dec. 8.
Martin, Miles L., assignor of one-third to C. S. Hodges and one-third to T. W. Jester, Bainbridge, Ga. Water wheel. 1,564,604; Dec. 8.
Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,564,487; Dec. 8.
Marvin, W. B., Manufacturing Company, The. (See Ritter, John J., assignor.)
Mase, Roscoe P., Wilkinsburg, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Gas-purifying composition. 1,564,433; Dec. 8.
Mason, Bernard A., Chippewa Falls, Wis. Shoe. 1,564,878; Dec. 8.
Mathews, Louis T., San Antonio, Tex., assignor to Point-O-Graph Machine Co., Dover, Del. Copy-holding pointograph. 1,564,879; Dec. 8.
Mathieson, Andrew C., Edgewood, Pa., and J. M. Dapron, St. Louis, Mo., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake device. 1,564,261; Dec. 8.
Matizza, Antonio. (See Fereo, A., and Matizza.)
Mattern, George A., Berkeley, Calif. Bathing suit. 1,565,022; Dec. 8.
Matthews, Dallas R., Cincinnati, Ohio. Attachment for washing machines. 1,565,605; Dec. 8.
Matthews, Max S., Los Angeles, Calif. Radiohorn. Des. 68,980; Dec. 8.
Mattingly Automatic Valve Company. (See Mattingly, Charles F., assignor.)
Mattingly, Charles F., assignor to Mattingly Automatic Valve Company, St. Louis, Mo. Hydraulic brake. 1,564,701; Dec. 8.
Mauser, Alfons, Cologne-Marienburg, Germany. Resilient reenforcing ring for containers. 1,564,880; Dec. 8.
Mawhinney Last Co. (See Harris, William W., assignor.)
May, James A., Astoria, N. Y. Film winding and stop mechanism. 1,564,435; Dec. 8.
May, Thomas F., and D. C. Perry, assignors of one-third to B. E. Walker, Ruth, Nev. Tire-rim tool. 1,564,702; Dec. 8.
Mayer, Emil M., Cincinnati, Ohio, assignor to Newport Manufacturing Company, Newport, Ky. Child's vehicle. 1,565,023; Dec. 8.
Maytag Company, The. (See Snyder, Howard F., assignor.)
Maxwell, Elmer R., Bradford, Pa. Casing elevator. 1,564,434; Dec. 8.
McAnerney, Joseph A., New York, N. Y. Revolving-brush cleaner. 1,565,174; Dec. 8.
McCahey, George F., Providence, assignor to J. M. Braider, Inc., East Providence, R. I. Braiding machine. 1,564,697; Dec. 8.
McCain, Howard, assignor of one-third to J. McCain and one-third to M. Jackson, Marion, Ky. Vehicle direction indicator. 1,564,698; Dec. 8.
McCain, John, et al. (See McCain, Howard, assignor.)
McCandless, William P., Pittsburgh, Pa. Swivel joint for tubes used for conducting liquids and fluids. 1,564,485; Dec. 8.
McCartney, Robert L., assignor to Layne & Bowler Company, Houston, Tex. Packer for wells and the like. 1,564,699; Dec. 8.
McCawley, John M., Perry, Okla. Packer. 1,565,175; Dec. 8.
McClatchie, Stanley, Cambridge, Mass., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical connecter device. 1,564,871; Dec. 8.
McCurdy, Ralph G., Cresskill, N. J., assignor to American Telephone and Telegraph Company. Electrical testing system. 1,564,259; Dec. 8.
McGarvey, Edward F., and O. M. James, Dayton, Tenn. Cover fastener. 1,564,426; Dec. 8.
McGinn, John, Washington, D. C. Antisweeping device for mines. 1,564,260; Dec. 8.
McGinnis, Crawford P., and C. W. Dake, assignors to The Pyle-National Company, Chicago, Ill. Cab lamp. 1,564,486; Dec. 8.
McGlynn, Thomas F. V., Philadelphia, Pa. Nut lock. 1,564,700; Dec. 8.
McInroy, George B., Oakland, Calif. Confectionery-vending stand. Des. 68,981; Dec. 8.

McIntyre, John, Portobello, Midlothian, assignor of one-half to James Milne and Son Limited, Edinburgh, Scotland. Grinding, refining, and mixing machine. 1,564,427; Dec. 8.
McKee Glass Company. (See Smith, Donald M., assignor.)
McMullen, William H., Hempstead, N. Y. Aircraft control. 1,564,872; Dec. 8.
McNeil, Charles. (See McNeil, John and C.)
McNeil, John and C., Glasgow, Scotland. Liquid trap for evaporators and like apparatus. 1,565,019; Dec. 8.
Mealy, Charles A., assignor to The Hadley Company, Providence, R. I. Wrist-watch strap. 1,564,606; Dec. 8.
Meier, E. C., et al. (See Reschke, William F., assignor.)
Meier, Genevieve, Chicago, Ill. Toe slipper. 1,564,607; Dec. 8.
Mellott, Howard S., Morenci, Mich. Food manufacture. 1,564,262; Dec. 8.
Mercadante, Joseph. (See Groh, Melvin S., assignor.)
Mergenthaler Linotype Company. (See Sundstrom, Herman T., assignor.)
Meroney, Homer, Lancaster, S. C. Lug and heel strap support. 1,565,182; Dec. 8.
Mershon, Ralph D., New York, N. Y. Preventing corrosion of electrolytic condenser leads. 1,565,024; Dec. 8.
Messinger, Calvin A., assignor of one-half to E. S. Nicholas, Lanark, Ill. Sack tongs. 1,564,436; Dec. 8.
Metropolitan Trust Company, trustee, et al. (See Brockett, Bluford W., assignors.)
Meyers, Louis W., Chicago, Ill. Apparatus for backing books. 1,565,183; Dec. 8.
Mikaelson, Erik W. (See Werner, T. O., and Mikaelson.)
Miles, Frank J. M., assignor to Cheramy, Inc., New York, N. Y. Face-powder box. Des. 68,982; Dec. 8.
Miles, William J., jr., Middletown, Ohio. Making malleable-iron castings. 1,564,437; Dec. 8.
Miller, Charles A., Covington, Ky., assignor to The Welders Supply & Mfg. Co., Cincinnati, Ohio. Torch tip. 1,564,363; Dec. 8.
Miller, H. C., Co. (See Fischer, Emil H., assignor.)
Miller, Lloyd W., Bessemer, Pa. Internal-combustion engine. 1,565,184; Dec. 8.
Mills, John. (See Carson, J. R., Clark, and Mills.)
Milne, James, and Son Limited. (See McIntyre, John, assignor.)
Mine Safety Appliances Company. (See Mase, Roscoe P., assignor.)
Minnesota Mining & Manufacturing Company. (See Okie, Francis G., assignor.)
Mitchell, Herbert L. (See Slate, J. W., and Mitchell.)
Mitchell, John L., New York, N. Y. Lithopone product and making the same. 1,565,185; Dec. 8.
Moline Tool Company. (See Hunt, Wilson P., assignor.)
Moll Manufacturing Company. (See Campbell, Carleton W., assignor.)
Moloney, Herbert J., Chicago, Ill. Ignition system for internal-combustion engines. 1,565,025; Dec. 8.
Montgomery, Earl A., Pasadena, Calif. Article carrier. 1,564,881; Dec. 8.
Montgomery Ward & Co., Inc. (See Brown, Lewis H., assignor.)
Moody, William F., Romsey, England. Signpost. 1,564,263; Dec. 8.
Moon, Don P., Kokomo, Ind. Razor-blade holder. 1,565,186; Dec. 8.
Moore, Charles F., Norwich, Conn., assignor to The Schwarzenbach Huber Co., West Hoboken, N. J. Tension device for shuttles. 1,565,187; Dec. 8.
Moore, Ralph S., New York, N. Y. Display stand. 1,565,026; Dec. 8.
Moore, Thruston W., Oakland, Calif. Steering-wheel attachment. 1,564,608; Dec. 8.
Morgan, David R., Farmville, N. C. Attaching device for watches. 1,565,188; Dec. 8.
Morgan, Robert L., Williamsville, Ill. Corn harvester. 1,565,189; Dec. 8.
Morgenstern, Joseph, Cleveland, Ohio. Adjustable fixture strap. 1,564,609; Dec. 8.
Morkrum-Kleinschmidt Corporation. (See Kleinschmidt, Edward E., assignor.)
Morral, William W., Morral, Ohio. Green-corn-husking machine. 1,564,882; Dec. 8.
Morrow, Scott A., assignor of one-third to H. Wren, Tyler, Tex. Mold. 1,564,364; Dec. 8.
Moses, Adolph. (See Nutt, A., and Moses.)
Moss, Maurice, New York, N. Y. Ash tray. Des. 68,983; Dec. 8.
Mott, Chester, Los Angeles, Calif., assignor, by mesne assignments, to Purox Company, Denver, Colo. Liquid-oxygen container with controlled boiling rate. 1,564,612; Dec. 8.
Mounsey, Thomas, and R. Bagwell, Preston, England. Tension mechanism for warp beams. 1,564,610; Dec. 8.
Mountford, Howard S., and E. A. Ovenshire; said Mountford assignor of his entire right to J. F. Hood, Los Angeles, Calif. Hinge. 1,564,611; Dec. 8.
Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.)
Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Bubbler head. 1,565,190; Dec. 8.
Muller, John, Brooklyn, N. Y. Attachment for knitting machines. 1,564,438; Dec. 8.
Müller, Rudolf. (See Kalischer, G., Müller, and Frister.)
Mummert, Harvey C., Hollis, and W. Wait, jr., assignors, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y. Constructing radiators for use in connection with internal-combustion motors. 1,565,096; Dec. 8.
Mummert, Harvey C., Hollis, assignor to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y. Differential aileron control. 1,565,097; Dec. 8.
Murray, Richard, New York, N. Y. Concrete floor and ceiling construction. 1,564,264; Dec. 8.
Murray, Thomas E. (See Phelps, George H., assignor.)
Muzzio, James A., Cleveland, Ohio. Cylinder lock. 1,564,883; Dec. 8.
Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriter frame. Des. 68,984; Dec. 8.
Naamlooze Vennootschap Kamatec. (See Van Duyl, Hubertus, assignor.)
Nastri, Emil, Brooklyn, N. Y. Automobile bumper. 1,564,488; Dec. 8.
National Aniline & Chemical Company. (See Cunningham, Orin D., assignor.)
National Aniline & Chemical Co. (See Derick, C. G., Leaming, and Ralph, assignors.)
National Aniline & Chemical Company. (See Hillyer, Homer W., assignor.)
National Carbon Company. (See Walden, Albert S., assignor.)
National Carbon Company. (See Wolfe, Francis J., assignor.)
National Coin Calender Corporation. (See Rosenthal Samuel, assignor.)
Naugatuck Chemical Company. (See Cadwell, Sidney M., assignor.)
Nay, Heber L. (See King, Frank W., assignor.)
Neil, Wm., & Co. (See Neil, William, assignor.)
Neil, William, assignor to Wm. Neil & Co., Chicago, Ill. Pouring spout. 1,564,489; Dec. 8.
Nelson, Virginia P., New York, N. Y. Canopy holder. 1,565,191; Dec. 8.
Neresheimer, Heinrich. (See Lüttringhaus, A., Wolff, and Neresheimer.)
Nevière, Louis A., Artannes, France. Lighting apparatus. 1,564,613; Dec. 8.
Newcomer, Paul S. (See Davis, H. A., and Newcomer.)
Newnham, Alfred A., Pasadena, Calif. Screening device. 1,564,365; Dec. 8.
Newport Manufacturing Company. (See Mayer, Emil M., assignor.)
New York Brick Handling Corporation. (See Wallace, William W., assignor.)
Nicholas, Edward S. (See Messinger, Calvin A., assignor.)
Nichols, Joseph H., Huntington, W. Va. Holder. 1,564,703; Dec. 8.
Nielsen, Daisy D., Los Angeles, Calif. Hair curler. 1,565,098; Dec. 8.
Nierodka, John, Chicago, Ill. Geometrical puzzle. 1,565,099; Dec. 8.
North Electric Manufacturing Company, The. (See Clement, Edward B., assignor.)
North Electric Manufacturing Company, The. (See Faller, Ernest A., assignor.)
North, Paul, Lakewood, Ohio. Target trap. 1,564,884; Dec. 8.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Filling-feeler mechanism for looms. 1,564,265; Dec. 8.
Norton, Aaron F., Los Angeles, Calif. Heat-exchange device. 1,564,704; Dec. 8.
Nutt, Arthur, Mineola, and A. Moses, Hempstead, assignors, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y. Automatic throttle control. 1,565,100; Dec. 8.
Nyeboe, Marius Ib, Copenhagen, Denmark. Method and apparatus for the working of peat bogs and the like. 1,564,439; Dec. 8.
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Electrical transformer. 1,564,266; Dec. 8.
Oakley, George E., assignor to Consolidated Car-Heating Company, Albany, N. Y. Door-motor control. 1,564,885; Dec. 8.
Obermaier & Cie. (See Wolfer, Heinrich, assignor.)
Odell, William W., Washington, D. C., and C. W. Seibel, Bethesda, Md. Refrigerating apparatus. 1,564,705; Dec. 8.
Oelhafen, John W., Tomahawk, Wis. Wall-board composition. 1,564,706; Dec. 8.
Ogram, Thomas E., Washington, D. C. Signal for motor vehicles. 1,564,014; Dec. 8.
Ohio Brass Company, The. (See Averill, Rex G., assignor.)
Okie, Francis G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive or binder. 1,565,027; Dec. 8.
Okie, Francis G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive article. 1,565,028; Dec. 8.
Olsen, Carl G., assignor to V. Clairemont, Chicago, Ill. Egg-treating device. 1,564,615; Dec. 8.



Olson, Carl A., assignor to Clarinda Manufacturing Company, Clarinda, Iowa. Motor support for washing machines. 1,565,101; Dec. 8.
O'Neill, Thomas F., New Haven, Conn. Suspension device for electric lamps. 1,564,886; Dec. 8.
Oppenheim, Albert, New York, N. Y., assignor to The Connecticut Web & Buckle Company, Bridgeport, Conn. Buckle. 1,564,887; Dec. 8.
Orlopp, Harry A., Venice, and D. B. Smith, Los Angeles, Calif.; said Orlopp assignor to said Smith. Concrete-form tie and spacer. 1,564,888; Dec. 8.
Orlopp, Harry A., Venice, and D. B. Smith, Los Angeles, Calif.; said Orlopp assignor to said Smith. Form tie and spacer construction. 1,564,889; Dec. 8.
Osborne, Wesley M. (See Gregor, W. D., Osborne, and Kemzura.)
O'Shaughnessy, Arthur. (See Parker, Samuel N., assignor.)
Osterholm, Albin N. (See Elias, Elias J., assignor.)
Ovenshire, Elijah A. (See Mountford, H. S., and Ovenshire.)
Overton, John H., Trenton, N. J. Dies for and method of forming hollow rubber articles. 1,564,366; Dec. 8.
Owen, F. B., et al. (See King, Theodore T., assignor.)
Owen, Malcolm, London, England. Method and apparatus for applying printing sheets to their cylinders. 1,565,192; Dec. 8.
Owen, Richard B., Washington, D. C. Storage battery. 1,565,193; Dec. 8.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for handling glass sheets. 1,564,267; Dec. 8.
Packard Motor Car Company. (See Church, Harold D., assignor.)
Packard Motor Car Company. (See Doolittle, Henry P., assignor.)
Packard Motor Car Company. (See Wehlann, Edward H., assignor.)
"Pag" Aktiengesellschaft für Industrie und Technik. (See Marcuse, A., and Wanschaff, assignors.)
Palmer, Allison E., Winsted, Conn., assignor to Belding Bros. & Co., New York, N. Y. Dental floss container. 1,565,194; Dec. 8.
Palmer, Virgil M., and H. M. Thomas, assignors to Eastman Kodak Company, Rochester, N. Y. Package of wrapped photographic material. 1,564,707; Dec. 8.
Pandora Sign Corporation, The. (See Roemer, Charles, assignor.)
Pantcheff, Sophocles X. (See Pantsos, Sophocles X.)
Pantsos, Sophocles X., known as Sophocles X. Pantcheff, Kinross, England. Assembling frame for covered structures. 1,564,616; Dec. 8.
Paper Products Machine Company. (See Howard, Charles H., assignor.)
Paper Products Machine Company. (See Howard, C. H., and Sharp, assignors.)
Parker, Alexis D., Villa Nova, Pa., assignor to American Briquet Company. Briquette. 1,564,890; Dec. 8.
Parker, Samuel N., assignor of one-half to A. O'Shaughnessy, New Orleans, La. Demountable tire. 1,564,891; Dec 8.
Parkhurst, Layton M., Indianapolis, Ind. Automatic machine for making concrete blocks. 1,564,490; Dec. 8.
Parsels, William B., Pleasantville, N. J. Coffin-retaining device for hearses. 1,565,195; Dec. 8.
Patterson Hand Stoker Corporation. (See Babendreier, Arthur O., assignor.)
Payne, John D., New York, N. Y. Article holder. 1,564,708; Dec. 8.
Pearson, Martin, Los Angeles, Calif. Stabilizer for aeroplanes. 1,564,971; Dec. 8.
Pearson, Martin, Los Angeles, Calif. Aircraft. 1,564,972; Dec 8.
Pearsons, George T., assignor to Pyrene Manufacturing Company, New York, N. Y. Fire extinguisher. 1,564,709; Dec. 8.
Pease, C. F., Company, The. (See Green, C. A., and Brunk, assignors.)
Pedersen, Arthur Z., West Orange, N. J., assignor, by mesne assignments, to Madsenell Corporation, New York, N. Y. Coating with metals and resulting products. 1,564,710; Dec. 8.
Pepper, Byron J., Fort Wayne, Ind., assignor to S. F. Bowser & Co., Inc. Dispensing apparatus for liquids. 1,564,617; Dec. 8.
Perkins, Chester A., South Bend, Ind. Collapsible-tube holder. 1,564,440; Dec. 8.
Perl, Albert H. F., and R. H. Carter, London, England. Chain, belt, and the like. 1,564,711; Dec. 8.
Perry, De Witt C. (See May, T. F., and Perry.)
Perry, Joseph B., assignor of one-half to H. Fowler, Providence, R. I. Assorting machine. 1,564,973; Dec 8.
Persson, Nils. (See Janson, C. G., and Persson.)
Pessôa, João P., Rio de Janeiro, Brazil. Apparatus for use in ciphering and deciphering. 1,564,268; Dec. 8.
Peters, Percy D. (See Richardson, Henry W., assignor.)
Peterson, Emil A., Appleton, Wis. Washer cylinder for paper-pulp machines. 1,564,974; Dec. 8.
Peterson, John A., Kane, Pa. Staple puller. 1,565,102; Dec. 8.
Petzing, Elmer L., Buffalo, N. Y., assignor to The Beaver Products Company, Inc. Tool. 1,564,618; Dec. 8.
Peyser, Michael, Jericho Turnpike, N. Y. Intraoral X-ray film and screen holder and pouch. 1,564,269; Dec. 8.
Phelps, George H., Warehouse Point, Conn., assignor to T. E. Murray, Brooklyn, N. Y. Electric welding apparatus. 1,564,892; Dec. 8.
Phillips, Edgar J., et al., executors. (See Kraft, Henry P.)
Phillips, John, H., jr., Jackson, Mich. Flexible pipe. 1,564,270; Dec. 8.
Piana, Vittorio, assignor to Cugnollo Piana and C., Chiavazza, Biella, Italy. Treatment of silk shreds. 1,565,196; Dec. 8.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Safety device for gas ranges. 1,564,441; Dec. 8.
Pinkerton, Harold R., Yakima, Wash. Cap-sorting machine. 1,564,619; Dec. 8.
Pioneer Suspender Company. (See Simmons, Frederick C., assignor.)
Pittsburgh Plate Glass Company. (See Gelstharp, Frederick, assignor.)
Pittsburgh Plate Glass Company. (See Harrington, Alfred L., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Pittsburgh Transformer Company. (See Bingay, Robert V., assignor.)
Podmajersky, John, Chicago, Ill. Vehicle fender. 1,564,629; Dec. 8.
Point-O-Graph Machine Co. (See Mathews, Louis T., assignor.)
Polte. (See Büttner, Arno, assignor.)
Polydoroff, Wladimir J., assignor to Johnson-Williamson Laboratories, Inc., Chicago, Ill. Radiohorn. Des. 68,985; Dec. 8.
Pope, John T., Salt Lake City, Utah. Oil-shale retort. 1,564,271; Dec. 8.
Porte, Samuel, Sydney, Nova Scotia, Canada. Rail joint. 1,565,197; Dec. 8.
Powers, Walter R., Wildwood, Pa. Water heater. 1,564,621; Dec. 8.
Pratt & Whitney Company. (See Doane, John A., assignor.)
Pratt & Whitney Company. (See Knowles, Carroll, assignor.)
Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Mounting for concrete breakers. 1,564,893; Dec. 8.
Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,564,975; Dec. 8.
Press, Elizabeth A. D., jr., White Plains, N. Y. Lace. Des. 68,953; Dec. 8.
Price, William E., Hartsdale, N. Y. Theatrical stage. 1,564,272; Dec. 8.
Prime Mfg. Co. (See Allen, Donald T., assignor.)
Pro-Tex Laboratories, Inc. (See Claridge, Joshua, assignor.)
Prosser, Percy R., Pasadena, Calif. Gear-shift mechanism. 1,564,622; Dec. 8.
Prost Etienne, assignor to H. Girard, Marseille, France. Roundabout affecting the shape of a giant top. 1,564,273; Dec. 8.
Purdum, Samuel E., Macomb, Ill. Vending machine. 1,564,442; Dec. 8.
Purnell, Enoch, et al. (See Purnell, Lemuel H., assignor.)
Purnell, Lemuel H., Chicago, assignor of one-half to H. G. Goelitz and one-half to E. Purnell, Oak Park, Ill. Machine for making pipe elbows. 1,564,894; Dec. 8.
Purox Company. (See Mott, Chester, assignor.)
Pyle-National Company, The. (See McGinnis, C. P., and Dake, assignor.)
Pyrene Manufacturing Company. (See MacGregor, Peter G., assignor.)
Pyrene Manufacturing Company. (See Pearsons, George T., assignor.)
Quirk, Thomas J. (See Setchfield, James, assignor.)
Rabold, Theresa F., Montclair, N. J. Game. 1,564,443; Dec. 8.
Radio Corporation of America. (See Franklin, Charles S., assignor.)
Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
Radio Corporation of America. (See Round, Henry J., assignor.)
Rafferty, William F., Murrumbeena, and O. Williams, Joliment, Australia. Centrifugal molding apparatus. 1,564,712; Dec. 8.
Ralph, Walter M. (See Derick, C. G., Leaming, and Ralph.)
Ramsey, William H., St. Paul, Minn. Shade bracket. 1,564,623; Dec. 8.
Rand, Charles C., Lombard, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Casting articles. 1,564,274; Dec. 8.
Randles, George E., Cleveland, Ohio, assignor to The Foote-Burt Company. Lubricating system for washing machines. 1,565,103; Dec. 8.
Randles, George E., Cleveland, Ohio, assignor to The Foote-Burt Company. Washing machine. 1,565,104; Dec. 8.
Randles, George E., Cleveland, Ohio, assignor to The Foote-Burt Company. Clothes wringer. 1,565,105; Dec. 8.

**Rasheta, Eli, West Allis, Wis.** Cooler. 1,565,198; Dec. 8.

**Rastetter, Harry O., assignor to The Union Metal Manufacturing Company, Canton, Ohio.** Lighting standard. Des. 68,986; Dec. 8.

Rathbone, Estes G. (See Fantz, F. C., and Rathbone.)

Rau Fastener Company. (See Colby, Allan B., assignor.)

Raytheon Manufacturing Company. (See Smith, Charles G., assignor.)

**Reach, Milton B., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y.** Golf-club shaft. 1,564,444; Dec. 8.

**Reach, William F., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y.** Ski binding. 1,565,106; Dec. 8.

**Read, Charles H., Pittsburgh, Pa.** Slack-take-up and brake-release mechanism. 1,564,445; Dec. 8.

**Reddig, Charles E., Kew Gardens, Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y.** Roll for ironing machines. 1,565,199; Dec. 8.

**Reece Buttonhole Machine Company, The.** (See Kiewicz, John, assignor.)

**Rees, Claude, and C. F. Hine, San Francisco, Calif.** Evaporator. 1,564,491; Dec. 8.

**Reeve, Howard T., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y.** Making cores for cathodes of vacuum tubes. 1,565,200; Dec. 8.

**Reichert, William, Shenandoah, Pa.** Flue closer. 1,565,201; Dec. 8.

**Reiter, Harry E., Napoleon, Ohio.** Jack. 1,564,713; Dec. 8.

**Reiter, Herman, New York, N. Y.** Adjustable fastener device. 1,565,202; Dec. 8.

**Remington Arms Company.** (See Hawley, Amos H., assignor.)

**Remington Typewriter Company.** (See Berry, Charles W., assignor.)

**Rengert, William C., assignor to The Studebaker Corporation, South Bend, Ind.** Pouring-ladle equalizer. 1,564,895; Dec. 8.

**Reschke, William F., assignor of one-half to E. C. Moler, Wichita, Kans., and one-half to P. A. Hoefer, Ponca City, Okla.** Connection rod for oil-well walking beams. 1,564,367; Dec. 8.

**Rex Manufacturing Company.** (See Hull, M. R., and Williamson, assignors.)

**Reynolds, De Elbert A., Weehawken, N. J., assignor, by mesne assignments, to Audiphone Company of America, New York, N. Y.** Audiphone. 1,564,714; Dec. 8.

**Reznor, George F., Mercer, Pa.** Heating stove. Des. 68,987; Dec. 8.

**Rhoads, Harry E., assignor to The Willys-Overland Company, Toledo, Ohio.** Radiator. 1,564,446; Dec. 8.

**Rich, John P., Swanton, Vt.** Hydrating lime. 1,565,107; Dec. 8.

**Richardson, Henry W., assignor to P. D. Peters, Little Falls, N. Y.** Heat spiller for incubators. 1,564,492; Dec. 8.

Richter, Hans. (See Rumpler, E., and Richter.)

**Richter, Robert E., Newark, N. Y.** Belt shifter. 1,564,447; Dec. 8.

**Riegel Sack Company, The.** (See Lea, Edward P., assignor.)

**Riehle, Joseph R., Bronx, assignor to O. R. Gischow, New York, N. Y.** Dial knob. Des. 68,988; Dec. 8.

**Riehle, Joseph R., Bronx, assignor to O. R. Gischow, New York, N. Y.** Dial knob. Des. 68,989; Dec. 8.

**Riley, George M., Aurora, Ill.** Basket-ball valve. 1,564,624; Dec. 8.

**Riley, James L., Philadelphia, Pa.** Adjustable wall bracket. 1,565,108; Dec. 8.

**Rinker, S. Truman, and E. J. Rust, Cleveland, Ohio.** Combined electrical heater and blower. 1,564,896; Dec. 8.

**Ritchie, Carleton P., assignor to Klinch-Lath Corporation, Los Angeles, Calif.** Waterproof plaster board and producing same. 1,564,625; Dec. 8.

**Ritter, John J., assignor to The W. B. Marvin Manufacturing Company, Urbana, Ohio.** Oil can. 1,564,275; Dec. 8.

**Roberts, William.** (See Ericson, C. L., and Roberts.)

**Robertson, William T., Montgomery, Ala.** Fire kindler. 1,564,276; Dec. 8.

**Rockbestos Products Corporation.** (See Heany, John A., assignor.)

**Rockford Machine Tool Company, The.** (See Kenyon, William C., assignor.)

**Roderick, Edward E.** (See Smith, C. L., and Roderick.)

**Rodolitz, Moris, Brooklyn, N. Y.** Body frame for chandeliers. Des. 68,990; Dec. 8.

**Roemer, Charles, assignor to The Pandora Sign Corporation, Jamestown, N. Y.** Changeable exhibitor. 1,565,203; Dec. 8.

**Rogers, Charles B.** (See Scruby, H. F., and Rogers.)

**Roget, Laurent, Stave Falls, British Columbia, Canada.** Saw guide. 1,564,448; Dec. 8.

**Rolland, Samuel, Flint, Mich.** Stopcock shield. 1,564,277; Dec. 8.

**Romanoff, Hippolyte.** (See Koudriavzeff, M. V., and Romanoff.)

**Root, Chapman J., Terre Haute, Ind.** Bottle. Des. 68,991; Dec. 8.

**Rose, William, Gainsborough, England.** Apparatus for feeding webs in correct register. 1,565,109; Dec. 8.

**Rosenthal, Samuel, St. Louis, Mo., assignor to National Coin Calendar Corporation.** Savings bank. 1,564,493; Dec. 8.

**Ross, Allen R., Seattle, Wash.** Electric bake oven. 1,564,626; Dec. 8.

**Ross, Charles G., assignor of one-half to W. L. Ross, Chicago, Ill.** Bumper for motor vehicles. 1,564,278; Dec. 8.

**Ross, Charles G., assignor of one-half to W. L. Ross, Chicago, Ill.** Bumper for motor vehicles. 1,564,279; Dec. 8.

**Ross, William L.** (See Ross, Charles G., assignor.)

**Roth, Georg, assignor to G. Stöckle, Darmstadt, Germany.** Apparatus for sifting fine material. 1,565,236; Dec. 8.

**Round, Henry J., London, England, assignor to The Radio Corporation of America, New York, N. Y.** Wireless telegraph and telephone transmission. 1,564,627; Dec. 8.

**Rowden, David V., et al.** (See Watson, Frank L., assignor.)

**Rowe, John J., assignor to The Rowe Wheel (Parent Syndicate) Limited, Durban, Natal, South Africa.** Axle for railway and like vehicles. 1,564,628; Dec. 8.

**Rowe Wheel (Parent Syndicate) Limited, The.** (See Rowe, John J., assignor.)

**Rowson, Emma M. S., Haddonfield, N. J.** Ship construction. 1,565,204; Dec. 8.

**Royal Typewriter Company.** (See Dowd, Bernard J., assignor.)

**Royal Typewriter Company.** (See Hess, Edward B., assignor.)

**Royal Typewriter Company.** (See Myers, Lewis C., assignor.)

**Rudolph, Paul, Kleinbiesnitz, near Gorlitz, Germany.** Photographic objective. 1,565,205; Dec. 8.

**Ruggles-Klingemann Mfg. Co.** (See Kimball, James L., assignor.)

**Rumpler, Edmund, and H. Richter, Berlin, Germany; said Richter assignor to said Rumpler.** Absorption refrigerating machine. 1,565,231; Dec. 8.

**Russell, Garrett, Elsternwick, Victoria, assignor of one-half to H. J. Tully, Melbourne, Australia.** Jointing and fastening means. 1,564,715; Dec. 8.

**Rust, Ervin J.** (See Rinker, S. T., and Rust.)

**Ruth, William C., assignor of one-half to H. L. Rutter, Gap, Pa.** Baling-press feeder. 1,564,629; Dec. 8.

**Ruths, Johannes, Djursholm, Sweden.** Steam generation. 1,564,716; Dec. 8.

**Rutter, Howard L.** (See Ruth, William C., assignor.)

**Ruzicka, George F., Bohemia, N. Y.** Radio coil mount. 1,565,206; Dec. 8.

**Ryan, Walter D., Schenectady, N. Y.** Vehicle headlamp housing. Des. 68,992; Dec. 8.

**Saa, Robert, Vallejo, Calif.** Siphon. 1,564,630; Dec. 8.

**Sager, Abraham, Chicago, Ill.** Rosary wedding ring. Des. 68,993; Dec. 8.

**St. James, Robert T., assignor to Chicago Miniature Lamp Works, Chicago, Ill.** Detector for wireless systems. 1,564,641; Dec. 8.

**Sanborn, Mary E., New York, N. Y.** Garment. 1,564,897; Dec. 8.

**Sando, Joseph B., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio.** Safety cover for centrifugal machines. 1,564,494; Dec. 8.

**Sargent & Lundy, Incorporated.** (See Schroeder, Bernhard, assignor.)

**Sasnett, Edward C., Washington, D. C.** Automatic vehicle controlling system. 1,564,898; Dec. 8.

**Sauer, Louis A., Willows, Calif.** Vermin trap. 1,564,976; Dec. 8.

**Saul, John, Jersey City, N. J.** Stiffener for collars. 1,565,207; Dec. 8.

**Sawyer, Haven.** (See Taylor, Josiah T., assignor.)

**Sayre, Gordon B., Syracuse, N. Y.** Securing armature coils. 1,564,449; Dec. 8.

**Scammell China Company.** (See Schnepf, Emil L., assignor.)

**Schaefer, Carl W.** (See Coleman, Frederick A., assignor.)

**Schaffrath, Otto, and Schaffrath.** (See Schmidt, A., Steindorff, Fluss, and Schaffrath.)

**Schanze, Gustavus A.** (See Jencick, Stephen, assignor.)

**Schanze, P. L., administrator.** (See Jencick, Stephen.)

**Schat, Ane P., The Hague, Netherlands.** Davit. 1,564,450; Dec. 8.

**Schemmel, Robert C., assignor to The Backstay Machine & Leather Company, Union City, Ind.** Finishing welt. 1,565,208; Dec. 8.

**Schicht, Georg A. G.** (See Eisenstein, Alfred, assignor.)

**Schlinger, William P., Oxnard, Calif.** Elevator. 1,564,977; Dec. 8.

**Schmidt, Albrecht, A. Steindorff, A. Fluss, Hochst-on-Main, and O. Schaffrath, Leipzig, assignors to Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-Main, Germany.** Treating seed grain. 1,565,237; Dec. 8.

**Schmidt, Alfred G., Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Alcohol Co.** Faucet. 1,564,280; Dec. 8.

**Schmidt, Karl F., Heidelberg, Germany.** Making derivatives of hypothetical imines including amines and their substitution products. 1,564,631; Dec. 8.





**Schneider, Peter E.** (See Kuhrs, H. J., Bodri, and Schneider.)

**Schnepf, Emil L., assignor to Scammell China Company, Trenton, N. J.** Plate or similar article. Des. 68,994; Dec. 8.

**Schroeder, Bernhard, assignor to Sargent & Lundy, Incorporated, Chicago, Ill.** Travelling screen. 1,564,451; Dec. 8.

**Schueler, George R., Kingston-upon-Hull, England.** Centrifugal separator. 1,564,632; Dec. 8.

**Schuermann, Anton C.** (See Mueller, P., and Schuermann.)

**Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass.** Ophthalmic temple and making the same. 1,564,899; Dec. 8.

**Schwartz, Jesse, Kansas City, Mo.** Safety hook. 1,564,900; Dec. 8.

**Schwarzenbach Huber Co., The.** (See Moore, Charles F., assignor.)

**Schwarzenhauer, Waldemar, Eltersdorf, Germany.** Electric toy cooking stove. 1,565,209; Dec. 8.

**Schwarzkopf, Arthur R.** (See Athey, I. H., and Schwarzkopf.)

**Scovill Manufacturing Company.** (See Woods, Clinton E., assignor.)

**Scroggins, Robert H., Upper Darby, Pa.** Snow removing and destroying apparatus. 1,564,901; Dec. 8.

**Scruby, Horace F., Miami, Okla., and C. B. Rogers, Joplin, Mo.** Clutch. 1,564,717; Dec. 8.

**Sedlmayr, Robert.** (See Kränzlein, G., Corell, and Sedlmayr.)

**Seeman, Emil H.** (See Lacy, Frank R., assignor.)

**Segar Studios, Inc., The.** (See Holzhalb, Theodore, assignor.)

**Seibel, Clifford W.** (See Odell, W. W., and Seibel.)

**Seiber, Harvey W., Dover, Ohio.** Plier wrench. 1,565,210; Dec. 8.

**Seifert, Edward M., Rutherford, N. J.** Vegetable or fruit basket. 1,564,452; Dec. 8.

**Seitz, Paul, Kreuznach, Germany.** Weighing-machine case. Des. 68,995; Dec. 8.

**Seng, Albert R., Youngstown, Ohio.** Lamp. Des. 68,996; Dec. 8.

**Sentrop, Johannes T., jr., Grand Rapids, Mich.** Cycle saddle. 1,564,978; Dec. 8.

**Setchfield, James, assignor of one-half to T. J. Quirk, Portland, Oreg.** Fireplace and screen. 1,564,281; Dec. 8.

**Sewell, William B., Denver, Colo.** Flying machine. 1,564,718; Dec. 8.

**Seymour, Benjamin F., Washington, D. C.** Shaft coupling and resilient suspension. 1,565,211; Dec. 8.

**Shampay, Pascal J., Chicago, Ill.** Rug-cleaning machine. 1,564,453; Dec. 8.

**Shapiro & Aronson, Inc.** (See Klein, Max, assignor.)

**Sharp, Lewis.** (See Howard, C. H., and Sharp.)

**Sheard, Charles, Stourbridge, assignor to American Optical Company, Southbridge, Mass.** Astigmatic testing device. 1,564,495; Dec. 8.

**Sheeman, Will G., Chicago, Ill.** Oil burner. 1,564,902; Dec. 8.

**Shephard, Daniel R. B., Seattle, Wash.** Fishway. 1,564,903; Dec. 8.

**Sheridan, Thomas E., Shenandoah, Iowa.** Road drag. 1,564,368; Dec. 8.

**Shinner, Ernest G., Chicago, Ill.** Floating pool structure for bathing. 1,564,904; Dec. 8.

**Shipley, Leonard, Dundalk, Md., assignor to American Smelting and Refining Company, New York, N. Y.** Casting copper. 1,564,369; Dec. 8.

**Shipley, Thomas, York, Pa.** Ice can. 1,564,282; Dec. 8.

**Shroyer, Jacob L., Oak Park, Ill., assignor of one-half to C. O. Hard, Scotia, N. Y.** Folding receptacle. 1,564,796; Dec. 8.

**Side, Frederick W., assignor to The Brown Instrument Company, Philadelphia, Pa.** Meter pointer. 1,564,633; Dec. 8.

**Side, Frederick W., assignor to The Brown Instrument Company, Philadelphia, Pa.** Recording instrument. 1,564,634; Dec. 8.

**Sillick, James, New York, N. Y.** Latch. 1,565,212; Dec. 8.

**Simmons Company.** (See Bayer, Matthew F., assignor.)

**Simmons, Frederick C., Highland Park, Pa., assignor to Pioneer Suspender Company.** Suspenders. 1,564,905; Dec. 8.

**Simpkins, George H., Louisville, Ky.** Coin-controlled vending machine. 1,565,213; Dec. 8.

**Sinclair, Charles S., assignor to The R. F. Johnston Paint Company, Cincinnati, Ohio.** Creating a leather effect. 1,564,283; Dec. 8.

**Singer, Philip A., Milwaukee, Wis.** Manufacturing starch products. 1,564,979; Dec. 8.

**Singer, Philip A., Glen Ellyn, Ill.** Introducing material into a chamber. 1,564,980; Dec. 8.

**Sipp, Karl, Mannheim, assignor to the Firm Heinrich Lanz, Mannheim, Baden, Germany.** Gray cast iron and its production. 1,564,284; Dec. 8.

**Sjöblom, Harry, Brooklyn, N. Y.** Wash-line support. 1,564,370; Dec. 8.

**Skjerven, William.** (See Letzring, E., and Skjerven.)

**Slate, John W., and H. L. Mitchell, High Point, N. C.** Electric iron. 1,564,371; Dec. 8.

**Smeeth, Edwin E., Chicago, Ill.** Casting hollow articles. 1,564,372; Dec. 8.

**Smith, Alfred H., New York, N. Y.** Compartment freight car. 1,564,285; Dec. 8.

**Smith, Benjamin F.** (See Bennett, F. D., and Kosken, assignors.)

**Smith, Bruce E., Windsor, Ontario, Canada.** Rotary motor. 1,564,286; Dec. 8.

**Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Cambridge, Mass.** Method and apparatus for handling gases and vapors. 1,564,287; Dec. 8.

**Smith, Charles G., Medford, Mass., assignor to Raytheon Manufacturing Company, Cambridge, Mass.** Apparatus for handling gases and vapors. 1,564,288; Dec. 8.

**Smith, Charles L., and E. E. Roderick, assignors to Correct Posture Seating Company, Belfast, Me.** Chair-desk. 1,565,214; Dec. 8.

**Smith, Christian N., assignor of one-half to W. P. Topping, Elgin, Ill.** Electroplated stereotype plate or nickel-plated printing plate and making the same. 1,565,216; Dec. 8.

**Smith, Christian N., Elgin, Ill., assignor of one-half to W. P. Topping, Elgin, Ill.** Machine for shaving printing plates. 1,565,217; Dec. 8.

**Smith, David B., Los Angeles, Calif.** Concrete-form tie and spacer. 1,564,981; Dec. 8.

**Smith, David B., Los Angeles, Calif.** Concrete-form tie and spacer. 1,564,982; Dec. 8.

**Smith, David B.** (See Orlopp, H. A., and Smith.)

**Smith, Donald M., assignor to McKee Glass Company, Jeannette, Pa.** Tumbler or similar article. Des. 68,997; Dec. 8.

**Smith, Donald M., assignor to McKee Glass Company, Jeannette, Pa.** Tumbler or similar article. Des. 68,998; Dec. 8.

**Smith, Earl R., Cleveland, Ohio.** Player pneumatic. 1,564,454; Dec. 8.

**Smith, Edward A., Vancouver, British Columbia, Canada.** Weeder. 1,564,373; Dec. 8.

**Smith, E. Payson.** (See Brown, Lloyd J., assignor.)

**Smith, Harry B., assignor to Lightship Cloth Board Corporation, Brooklyn, N. Y.** Core or winder for fabric strips and making same. 1,564,374; Dec. 8.

**Smith, Hurley H., Elkhart, Ind.** Lock. 1,564,635; Dec. 8.

**Smith, Joseph L., Denver, Colo.** Dental paste. 1,564,375; Dec. 8.

**Smith, Marston J., Stockton, Calif.** Trammel for cutting torches. 1,564,636; Dec. 8.

**Smith, Ralph E., J. C. Gay, and R. J. Arnold, assignors to The Gallon Metallic Vault Company, Gallon, Ohio.** Automatic dump body. 1,564,289; Dec. 8.

**Smith, Stanley C., London, England.** Treatment of ores or residues containing zinc. 1,565,215; Dec. 8.

**Smith, Stuart F., San Francisco, Calif.** Telephone apparatus. 1,564,290; Dec. 8.

**Snodgrass, James W., Youngstown, Ohio.** Charm or similar article of jewelry. Des. 68,999; Dec. 8.

**Snyder, Charles R., Columbus, Ohio.** Apparatus for forming cream centers. 1,564,637; Dec. 8.

**Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa.** Internal-combustion engine. 1,565,110; Dec. 8.

**Societe Anonyme Adolphe Saurer.** (See Eggart, Carl, assignor.)

**Société Anonyme Adolphe Saurer.** (See Laessker, Jean, assignor.)

**Société Anonyme des Atelier d'Aviation Louis Breguet.** (See Breguet, Louis, assignor.)

**Societe Anonyme d'Ougree-Maribaye.** (See Voituron, Edmond, assignor.)

**Société des Aeroplanes Henri and Maurice Farman.** (See Waseige, Charles, assignor.)

**Sohner, Robert, Vienna, Austria.** Clawed driving wheel for motor plows, tractors, and the like. 1,564,376; Dec. 8.

**Sokal, Edward, New York, N. Y., assignor to American Katalite Corporation.** Internal-combustion engine. 1,564,906; Dec. 8.

**Sommer, Fritz, Berlin-Charlottenburg, and B. Groth, Berlin-Oranienburg, assignors to the Firm Chemische Werke vormals Auergesellschaft m. b. H. Kommanditgesellschaft, Berlin, Germany.** Producing enamels and glazes. 1,564,907; Dec. 8.

**Sommer, John, Peoria, Ill.** Liquid-fuel burner. 1,565,111; Dec. 8.

**Sommer, William H., Peoria, Ill.** Automatic coupler for industrial trucks. 1,565,112; Dec. 8.

**Sommer, William H., Peoria, Ill.** Hot top for ingot molds. 1,565,113; Dec. 8.

**Sommer, William H., Peoria, Ill.** Baker. 1,565,114; Dec. 8.

**Sorensen, Frank L., Sioux City, Iowa.** Combined dividers and pencil. 1,564,908; Dec. 8.

**Soresi, Angelo L., New York, N. Y.** Surgical catgut thread. 1,564,983; Dec. 8.

**Spalding, A. G., & Bros.** (See Reach, Milton B., assignor.)

**Spalding, A. G., & Bros.** (See Reach, William F., assignor.)

**Sparks, John F., et al.** (Glass, William W., assignor.)

**Speed, James B., New York, and A. H. Falk, Brooklyn, assignors to Western Electric Company, Incorporated, New York, N. Y.** Solder. 1,565,115; Dec. 8.

Spencer, Helen, London, England. Necktie. 1,565,116; Dec. 8.

Spencer, Millard C., East Orange, assignor to Crocker-Wheeler Company, Ampere, N. J. Release for electric switches or stops for motors. 1,564,377; Dec. 8.

Sponable, George W., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y. Lock for shifting rods of change-speed gearing. 1,564,719; Dec. 8.

Spreen, Charles C., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Compressor. 1,565,029; Dec. 8.

Stahlbert, Edward, Tacoma, Wash. Feeder. 1,565,117; Dec. 8.

Stafford, Alfred E., assignor to Draper Corporation, Hopedale, Mass. Filling-end controller. 1,565,218; Dec. 8.

Stafford, Alfred E., assignor to Draper Corporation, Hopedale, Mass. Filling-end controller. 1,565,219; Dec. 8.

Stanbro, Mark S., Buffalo, N. Y., assignor to The Beaver Products Company, Inc. Wall-board fastener. 1,564,455; Dec. 8.

Stanford, Leland H., Okmulgee, Okla. Preparing motion-picture titles. 1,564,291; Dec. 8.

Stanley Insulating Company. (See Anthon, George C., assignor.)

Stanton, Barclay, administrator. (See Stanton, Charlotte M.)

Stanton, Charlotte M., deceased, Des Moines, Iowa; B. Stanton, administrator. Sifter. 1,564,638; Dec. 8.

Starr, Robert P. E. (See Whelan, J. S., and Starr.)

Staugard, Christian, Detroit, Mich. Tire-removing mechanism. 1,564,496; Dec. 8.

Staunton, Le Roy W., Jackson Heights, N. Y., assignor, by mesne assignments, to Brandes Laboratories Inc., Newark, N. J. Loud-speaker casing. Des. 69,004; Dec. 8.

Stavick, Anton A., Sioux City, Iowa. Amusement device. 1,564,639; Dec. 8.

Steimer, Charles M., executor. (See Steimer, Theodore, C.)

Steimer, Theodore C., deceased, Pittsburgh, Pa., by C. M. Steimer, executor, Zanesville, Ohio, assignor, by mesne assignments, to Hartford-Empire Company. Glass-feeding mechanism. 1,564,909; Dec. 8.

Stein Fur Dyeing Co. (See Stein, H., Austin, and Liebowitz, assignors.)

Stein, Hyman, Arverne, W. E. Austin, New York, and I. Liebowitz, Brooklyn, assignors to Stein Fur Dyeing Co. Inc., New York, N. Y. Bleached and dyed furs and the like. 1,564,378; Dec. 8.

Steindorff, Adolf. (See Schmidt, A., Steindorff, Fluss, and Schaffrath.)

Steiner, George A., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,564,292; Dec. 8.

Steiner Sales Company. (See Steiner, George A., assignor.)

Stelos Company, The. (See Stephens, Frank C., assignor.)

Stenhouse, David. (See Stenhouse, Thomas and D.)

Stenhouse, Thomas and D., Washington, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Safety mechanism. 1,564,497; Dec. 8.

Stephens, Frank C., Washington, D. C., assignor, by mesne assignments, to The Stelos Company, Inc. Needle and its use. 1,564,379; Dec. 8.

Stevenson, Alexander R., jr., Schenectady, N. Y., assignor to General Electric Company. System of power transmission. 1,565,030; Dec. 8.

Stille, Kurt, Berlin-Zehlendorf, Germany. Phonograph having a casketlike casing. 1,564,640; Dec. 8.

Stilson Process Corporation. (See Stilson, William H., assignor.)

Stilson, William H., New York, N. Y., assignor to Stilson Process Corporation, Dover, Del. Apparatus for refining petroleum. 1,564,984; Dec. 8.

Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading shuttle. 1,564,910; Dec. 8.

Stöckle, Gustav. (See Roth, Georg, assignor.)

Stomberg, John A. N., Detroit, Mich. Hose-reel device. 1,564,985; Dec. 8.

Stone, Junius H., Port Washington, N. Y. Waterproof insulating covering. 1,564,797; Dec. 8.

Striefling, Robert S., Detroit, Mich. Reciprocating pump. 1,564,911; Dec. 8.

Strong-Scott Manufacturing Company. (See Anderson, Walter G., assignor.)

Strout, Charles C., assignor to S. Flory Manufacturing Co., Bangor, Pa. Electrical trip-brake-operating mechanism. 1,565,031; Dec. 8.

Stuart, Edwards B., Chicago, Ill. Faucet set. Des. 69,000; Dec. 8.

Stuckl, Arnold, Pittsburgh, Pa. Roller side bearing. 1,564,380; Dec. 8.

Studebaker Corporation, The. (See Bourgon, Joseph H., assignor.)

Studebaker Corporation, The. (See Rengert, William C., assignor.)

Stugard, James C., Muncy, Pa. Foldable bracket. 1,565,118; Dec. 8.

Sturgis, Herbert M., Kansas City, Mo. Brush head and handle connection. 1,564,293; Dec. 8.

Sturtevant, Harold E., assignor to The Whitney Mfg. Co., Hartford, Conn. Power-transmission chain. 1,564,798; Dec. 8.

Submarine Signal Company. (See Barber, W. H., and Fay, assignors.)

Summers, Louis D., assignor to Firm of Franz and Summers, Springfield, Ill. Heat economizer for furnaces. 1,565,032; Dec. 8.

Sunbeam Electric Manufacturing Company. (See Jones, Lee B., assignor.)

Sundstrom, Herman T., Houston, Tex., assignor to Mergenthaler Linotype Company. Multiple-magazine-changing device for changing split magazines on type-setting machines. 1,565,033; Dec. 8.

Sundstrom, Herman T., Houston, Tex., assignor to Mergenthaler Linotype Company. Device for handling and storing matrix magazines. 1,565,034; Dec. 8.

Superheater Company, The. (See Broido, Benjamin, assignor.)

Superheater Company, The. (See Griffin, Joseph F., assignor.)

Surbaugh, John S., Vincennes, Ind. Shovel and scoop blade. 1,564,720; Dec. 8.

Swanberg, Floyd L., Milwaukee, Wis., assignor, by mesne assignments, to S. F. Bowser and Co., Inc., Fort Wayne, Ind. Lubricator. 1,564,294; Dec. 8.

Sweet, Donald H. (See Mabee, A. C., and Sweet.)

Symons, Arthur H., assignor to Symons Clamp & Mfg. Co., Chicago, Ill. Shore. 1,564,642; Dec. 8.

Symons, Arthur H., Chicago, Ill. Shore. 1,564,643; Dec. 8.

Symons Clamp & Mfg. Co. (See Symons, Arthur H., assignor.)

Takahashi, Kenzo, Seattle, Wash. Attachment for roll-paper stands. 1,565,035; Dec. 8.

Tallon, John P., Perry Point, Md. Garden spacer. 1,564,721; Dec. 8.

Tank, Henry, Alameda, Calif. Fire-extinguishing grenade. 1,565,036; Dec. 8.

Tauern, Odo D., and F. Jenne, assignors to Apparatebau Freiburg G. m. b. H., Freiburg, Germany. Apparatus for inspecting film bands. 1,564,722; Dec. 8.

Taylor, James H. (See Daly, M. E., and Taylor.)

Taylor, Josiah T., assignor, by mesne assignments, to H. Sawyer, Bangor, Me. Case for inclosing measuring tapes and similar articles. 1,564,456; Dec. 8.

Taylor, Nolan J., Wyoming Township, Kent County, Mich. Pressure gauge. 1,564,644; Dec. 8.

Tessier, Julien, assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture apparatus. 1,564,723; Dec. 8.

Texas Company, The. (See Fantz, F. C., and Rathbone, assignors.)

Texas Company, The. (See Young, Paul, assignor.)

Thomas, Errold B., Newton, assignor to Thomas Products, Inc., Boston, Mass. Sanitary napkin or the like. 1,564,498; Dec. 8.

Thomas, Henry M. (See Palmer, V. M., and Thomas.)

Thomas, Jesse M., Pine Lawn, assignor of one-third to W. D. Gruelle, St. Louis, Mo. Spark plug. 1,564,645; Dec. 8.

Thomas, Pierre J., assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines à Gaz, Montrouge, France. Viscosimeter. 1,565,119; Dec. 8.

Thomas Products, Inc. (See Thomas, Errold B., assignor.)

Thompson, Gustave R., New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Drawing press. 1,564,986; Dec. 8.

Thompson, James H., Trenton, assignor to Hussong Dyeing Machine Company, Groveville, N. J. Dyeing machine. 1,565,037; Dec. 8.

Thompson, James W., White Plains, N. Y. Incinerator. 1,565,120; Dec. 8.

Thompson, William R. (See Thompson, William and W. R.)

Thompson, William and W. R., Wexford, Ireland. Silo or bin for the storage of grain or the like. 1,565,121; Dec. 8.

Thorell, Swan O., Los Angeles, Calif. Combination try-square, miter square, and compass. 1,564,381; Dec. 8.

Thorn, William E., assignor to The Ives Manufacturing Corporation, Bridgeport, Conn. Toy railway signaling system. 1,564,912; Dec. 8.

Thorner, Walther, Berlin, Germany. Cinematographic apparatus. 1,564,295; Dec. 8.

Thornton, Roy A., North Weymouth, Mass. Dispensing apparatus. 1,564,799; Dec. 8.

Tiefel, Charles G., assignor to The Todd Company, Inc., Rochester, N. Y. Check. 1,564,296; Dec. 8.

Tiefel, Charles G. (See Todd, L. M., and Tiefel.)

Time, Wong Y., Honolulu, Hawaii. Automobile finish and finishing process. 1,565,122; Dec. 8.

Todd Company, The. (See Tiefel, Charles G., assignor.)

Todd Company, The. (See Todd, L. M., and Tiefel, assignors.)

Todd, Libanus M., and C. G. Tiefel, assignors to The Todd Company, Inc., Rochester, N. Y. Commercial-paper instrument. 1,564,724; Dec. 8.

Toledo Scale Company. (See Crane, Samuel G., assignor.)

Toledo Scale Company. (See Hapgood, Clarence H., assignor.)

Toledo Scale Company. (See Hem, Halvor O., assignor.)

Topham, James B., Pittsburgh, Pa. Emergency-brake-operating device. 1,564,725; Dec. 8.

Topping, William P. (See Smith, Christian N., assignor.)





Tormey, James S., assignor to United States Bumper Company, Inc., Los Angeles, Calif. Bumper bracket. 1,564,646; Dec. 8.

Torrington Company, The. (See Allen, Thomas M., assignor.)

Torrington Company, The. (See Davis, Charles W., assignor.)

Trager, Victor E., assignor of one-fourth to F. P. Huber, New Orleans, La. Self-clamping and self-adjusting window-shade and curtain-rod holder. 1,565,123; Dec. 8.

Treadwell Engineering Company. (See Werner, T. O., and Mikaelson, assignors.)

Treiman, Isaack A., Seattle, Wash. Clamp. 1,564,382; Dec. 8.

Tropp, Herman, assignor to William Brody & Co., New York, N. Y. Hypodermic needle. 1,564,499; Dec. 8.

Trowbridge, Lawrence B. (See Jackson, Sherman, assignor.)

Tully, Harold J. (See Russell, Garrett, assignor.)

Turner, James A., Seattle, Wash. Lens-shade for cameras. 1,564,987; Dec. 8.

U. G. I. Contracting Company, The. (See Evans, Owen B., assignor.)

Uebelmesser, Charles, New York, N. Y. Steam-engine throttle. 1,564,726; Dec. 8.

Ulrich, Georg, Magdeburg, assignor to the Firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Zone pole for magnetic separators. 1,565,038; Dec. 8.

Underwood Typewriter Company. (See Becker, Fred, assignor.)

Underwood Typewriter Company. (See Collins, Samuel, assignor.)

Underwood Typewriter Company. (See Corcoran, Cornelius B., assignor.)

Underwood Typewriter Company. (See Crews, Clarence M., assignor.)

Underwood Typewriter Company. (See Dobson, William A., assignor.)

Underwood Typewriter Company. (See Hexter, Julian S., assignor.)

Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)

Underwood Typewriter Company. (See Waldheim, John, assignor.)

Underwood Typewriter Company. (See Zugelter, Alvin E., assignor.)

Unger, Magnus, Pittsfield, Mass., assignor to General Electric Company. Electric furnace. 1,564,800; Dec. 8.

Union Bag & Paper Corporation. (See Humphreys, Harry, assignor.)

Union Metal Manufacturing Company, The. (See Rastetter, Harry O., assignor.)

Union Trust Company, The. (See Holloway, Willis L., assignor.)

United Shoe Machinery Corporation. (See Buckminster, Ira C., assignor.)

United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)

United States Bumper Company. (See Tormey, James S., assignor.)

United States Platers Supply Company, The. (See Kregelius, Louis M., assignor.)

U. S. Industrial Alcohol Co. (See Gudeman, E. R., and Mack, assignors.)

U. S. Industrial Alcohol Co. (See Schmidt, Alfred G., assignor.)

V. V. Fittings Company. (See Burns, James F., assignor.)

Vacher, Henri E. J. (See Buelna, G., and Vacher.)

Vagedes, Wilhelm, Munster, Germany. Protecting cover for bank notes, bonds, and the like. 1,565,124; Dec. 8.

Valtman, Anton, Coleraine, Minn. Lathe dog. 1,564,297; Dec. 8.

Van de Voorde, Eugène, Bremen, Germany. Smoker's pipe. 1,564,500; Dec. 8.

Van Doren, James B., Hennessey, Okla. Automatic weighing device. 1,564,647; Dec. 8.

Van Duyl, Hubertus, assignor to Naamlooze Vennootschap Kamatec, Amsterdam, Netherlands. Mechanism for moving and adjusting forms in typewriters. 1,564,913; Dec. 8.

Vanecek, John J., Cleveland, Ohio. Fountain pen. 1,564,801; Dec. 8.

Van Hooydonk, Adrian C., Monroe, Mich. Trolley retriever. 1,564,727; Dec. 8.

Van Ornum, Harry G., Newton Falls, N. Y. Paper-making machine. 1,564,728; Dec. 8.

Van Westrum, Leonard S., New York, N. Y. Producing a binding and waterproofing bituminous soap for binding and waterproofing paving and building materials. 1,565,125; Dec. 8.

Van Wie, Elmer E., Los Angeles, Calif. Building construction. 1,564,648; Dec. 8.

Varcoe, Garland S., Fenelon Falls, Ontario, Canada. Coin-controlled vending machine. 1,564,383; Dec. 8.

Vaughan, Louis K., Woodland, Calif. Almond hulling and separating machine. 1,564,914; Dec. 8.

Vicier, Marcel. (See Laurency, G. C., and Vigier.)

Vinnemeier, Gerhard, Iola, Kans. Meter. 1,564,649; Dec. 8.

Voituron, Edmond, Sclessin, near Liege, assignor to Société Anonyme d'Ougrée-Marihaye, Ougree, near Liege, Belgium. Machine for smoothing and resmoothing the matrices of ingot molds and other hollow bodies. 1,565,039; Dec. 8.

Von Schrenk, Arnold, Tuckahoe, N. Y. Mechanical movement for doorbolts and the like. 1,564,729; Dec. 8.

Von Thüngen, Konrad F., Schloss Zeitlofs, Germany. Appliance for securing caps on sticks or the like. 1,564,384; Dec. 8.

Von Frommer, Rudolf, Budapest, Hungary. Weighing scale. 1,565,126; Dec. 8.

W.-H. Keyless Lock Company. (See Wildrick, M., and Hatch, assignors.)

Wadsworth, Earl H., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Noncollapsible vehicle top. 1,564,650; Dec. 8.

Walt, William, jr. (See Mummert, H. C., and Walt.)

Waksman, Selman A., New Brunswick, assignor to Jacques Wolf & Co., Passaic, N. J. Concentrated enzymic substance and preparing same. 1,564,385; Dec. 8.

Walden, Albert S., Cleveland, Ohio, assignor to National Carbon Company, Inc. Calcining material. 1,564,730; Dec. 8.

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,565,127; Dec. 8.

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,565,128; Dec. 8.

Wales, Rowland T., New Rochelle, N. Y. Mold for concrete. 1,564,651; Dec. 8.

Walker, Barton E. (See May, T. F., and Perry, assignors.)

Walker, Herbert E., Chicago, Ill. End-screw terminal. 1,564,802; Dec. 8.

Wallace, George W., San Francisco, Calif. Forming activated carbon. 1,565,129; Dec. 8.

Wallace, William W., Chicago, Ill., assignor to New York Brick Handling Corporation, New York, N. Y. Dumping fork. 1,564,652; Dec. 8.

Walter, John E., Baltimore, Md. Attachment for gas ranges. 1,564,298; Dec. 8.

Wanschaff, Hermann. (See Marcuse, A., and Wanschaff.)

Warner, Chester E. (See Benjamin, R. B., and Warner.)

Warren Clock Company. (See Warren, Henry E., assignor.)

Warren, Henry E., Ashland, Mass., assignor to General Electric Company. Temperature-control device. 1,564,804; Dec. 8.

Warren, Henry E., assignor to Warren Clock Company, Ashland, Mass. Clock. 1,564,803; Dec. 8.

Waseige, Charles, Paris, assignor to Société des Aeroplanes Henri and Maurice Farman, Billancourt, France. Brake. 1,565,040; Dec. 8.

Watkins, Frank, Huntington, Ind. Brake. 1,565,130; Dec. 8.

Watson, Frank L.; assignor of one-twentieth to D. V. Rowden, Flagler, Colo., and one-twentieth to H. Beason, Lincoln, Kans. Aeroplane. 1,564,988; Dec. 8.

Watson, J. M., et al. (See King, Theodore T., assignor.)

Weatherby, Joseph, New Cumberland, assignor to Weatherby Ore Separator Company, Philadelphia, Pa. Method and apparatus for separating ore particles. 1,564,731; Dec. 8.

Weatherby, Joseph, Harrisburg, assignor to Weatherby Ore Separator Company, Philadelphia, Pa. Method and apparatus for separating ore particles. 1,564,732; Dec. 8.

Weatherson, Christopher, deceased, Chicago, Ill.; S. J. Weatherson, executrix. Axle-forging apparatus. 1,564,915; Dec. 8.

Weatherson, Sarah J., executrix. (See Weatherson, Christopher.)

Weatherby Ore Separator Company. (See Weatherby, Joseph, assignor.)

Weaver, Caius E., Syracuse, assignor to Birmingham Motors, Jamestown, N. Y. Front-axle assembly. 1,564,653; Dec. 8.

Weaver, Caius E., Syracuse, assignor to Birmingham Motors, Jamestown, N. Y. Rear-axle assembly. 1,564,733; Dec. 8.

Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Alignment Gauge. 1,564,654; Dec. 8.

Weaver Manufacturing Company. (See Weaver, Ira A., assignor.)

Weber, Grable B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment plug. 1,564,916; Dec. 8.

Wedler, Rudolf. (See Wolfe, Harry B., assignor.)

Wehlann, Edward H., assignor to Packard Motor Car Company, Detroit, Mich. Apparatus for making piston rings. 1,565,220; Dec. 8.

Wehrle Company, The. (See Pickup, George E., assignor.)

Weller, Josephine M., Lisbon, N. Dak. Clothes drier. 1,564,734; Dec. 8.

Weir, James W., Fillmore, Calif., assignor of one-half to J. C. Black, Destrehan, La. Manufacturing lubricating oils. 1,564,501; Dec. 8.

Weisberger, David, New Rochelle, N. Y. Receptacle for automobiles. 1,564,989; Dec. 8.

Welders Supply & Mfg. Co., The. (See Miller, Charles A., assignor.)

Wells, William S., South Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J. Loom. 1,564,386; Dec. 8.

Welsh, Elmer E., Lawrence, Kans. Shock-absorbing spring. 1,564,209; Dec. 8.

Werner, Thomas O., Bangor, and E. W. Mikaelson, assignors to Treadwell Engineering Company, Easton, Pa. Hoist. 1,564,457; Dec. 8.

West, George A., assignor to Gong Bell Manufacturing Company, East Hampton, Conn. Toy telephone. 1,565,221; Dec. 8.

Westbo, Bernhard W., South Prairie, Wash. Lumber-loading device. 1,564,655; Dec. 8.

Wesley, John W., Chicago, Ill. Automatic weighing mechanism. 1,564,387; Dec. 8.

Wessendorf, Martin W., Buchanan, Mich. Doorknob. 1,564,735; Dec. 8.

West, Charles C., assignor to Manitowoc Ship Building Corporation, Manitowoc, Wis. Hydraulic conveyer adapted for unloading ships. 1,564,805; Dec. 8.

Westvig, Olaf, Minneapolis, Minn. Cleaning brush for butter jars. 1,564,388; Dec. 8.

Western Electric Company. (See Barber, Charles C., assignor.)

Western Electric Company. (See Crandall, Irving B., assignor.)

Western Electric Company. (See Fletcher, Harvey, assignor.)

Western Electric Company. (See Gargan, John O., assignor.)

Western Electric Company. (See Gauthier, Ernest, assignor.)

Western Electric Company. (See Goff, Harold W., assignor.)

Western Electric Company. (See Griggs, Elmer V., assignor.)

Western Electric Company. (See Harrison, Henry C., assignor.)

Western Electric Company. (See Horton, Joseph W., assignor.)

Western Electric Company. (See Houskeeper, William G., assignor.)

Western Electric Company. (See Jammer, Jacob S., assignor.)

Western Electric Company. (See Johnson, John B., assignor.)

Western Electric Company. (See Kendall, Burton W., assignor.)

Western Electric Company. (See MacKenzie, Donald, assignor.)

Western Electric Company. (See Rand, Charles C., assignor.)

Western Electric Company. (See Reddig, Charles E., assignor.)

Western Electric Company. (See Reeve, Howard T., assignor.)

Western Electric Company. (See Speed, J. B., and Falk, assignors.)

Western Electric Company. (See Wilbur, Ray S., assignor.)

Western Electric Company. (See Wold, Peter I., assignor.)

Western Electric Company. (See Wright, James C., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)

Westinghouse Air Brake Company, The. (See Mathieson, A. C. and Dapron, assignors.)

Westinghouse Electric & Manufacturing Company. (See Ehrhart, Raymond N., assignor.)

Westinghouse Electric & Manufacturing Company. (See Foresman, Robert A., assignor.)

Westinghouse Electric and Manufacturing Company. (See Mahoney, J. N., and Austin, assignors.)

Wheeler, Amy S., executrix. (See Wheeler, Schuyler S.)

Wheeler, Schuyler S., deceased, Bernardsville; A. S. Wheeler, executrix, assignor to Crocker-Wheeler Company, Ampere, N. J. Dynamo-electric machine. 1,564,389; Dec. 8.

Wheeling Steel Corporation. (See Kielberg, Henry, assignor.)

Whelan, Joseph S., and R. P. E. Starr, Concordia, Kans. Hand rest. 1,564,736; Dec. 8.

White, Edward N., et al., trustees. (See Gifford, Richard T., assignor.)

White, Floyd G., trustee. (See Hair, Hardy H., assignor.)

White, James S., Chicago, Ill. Preserving golf-club shafts. 1,564,917; Dec. 8.

Whitelegg, Robert H., Manchester, England. Steam locomotive and similar vehicle. 1,564,390; Dec. 8.

Whiting Corporation. (See Coffey, Oscar L., assignor.)

Whiting, Robert R., Darien, Conn. Game. 1,564,458; Dec. 8.

Whitney, Clarence E., et al., executors. (See Hanson, Bengt M. W.)

Whitney, F. A., Carriage Company. (See Ambler, George B., assignor.)

Whitney Mfg. Co., The. (See Sturtevant, Harold E., assignor.)

Wiedemann, Rudolph F. E., New York, N. Y., assignor to General Electric Company. Starting device for electric motors. 1,565,238; Dec. 8.

Wieder, Samuel, New Kensington, Pa. Lip stencil. 1,564,806; Dec. 8.

Wikkula, Viktor, Helsingfors, Finland. Automatic tile-making machine. 1,564,311; Dec. 8.

Wilbur, Ray S., Lyndhurst, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,565,131; Dec. 8.

Wilbur, Ray S., Lyndhurst, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-repeater monitoring system. 1,564,391; Dec. 8.

Wilcox, Neva P., West Newton, Mass. Fruit jar or similar article. Des. 69,001; Dec. 8.

Wildrick, Meade, and A. G. Hatch, Honolulu, Hawaii, assignors to W-H Keyless Lock Company, Limited. Keyless lock. 1,565,132; Dec. 8.

Willard, George H., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading shuttle for looms. 1,564,502; Dec. 8.

Williams, Arthur J., assignor of one-fourth to C. J. Cameron, one-fourth to W. F. Glenn, jr., and one-fourth to I. B. Glenn, Nashville, Tenn. Rotary motor. 1,565,133; Dec. 8.

Williams, Joseph T., Syracuse, N. Y. Insulator clamp. 1,564,918; Dec. 8.

Williams, Joseph H., Independence, Kans. Mechanism for teaching piano. 1,564,392; Dec. 8.

Williams, Louis N. D., Ogontz, Pa. Transfer mechanism for knitting machines. 1,564,300; Dec. 8.

Williams, Miriam S. F. (See Williams, Villor P., and M. S. F.)

Williams, Owen. (See Rafferty, W. F., and Williams.)

Williams, Villor P. and M. S. F., Baltimore, Md; said V. P. Williams assignor to said M. S. F. Williams. Supplementary traction device for motor vehicles. 1,565,134; Dec. 8.

Williams, William E., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Disk wheel for automobiles. 1,564,738; Dec. 8.

Williams, William E., assignor to American Steel Foundries, Chicago, Ill. Hub demountable disk wheel. 1,564,737; Dec. 8.

Williamson, Clifford O. (See Hull, M. R., and Williamson.)

Willys-Overland Company, The. (See Rhoads, Henry E., assignor.)

Wilson, Archibald, Pietermaritzburg, Natal, South Africa. Curtain ring and clip for suspending surtains and the like. 1,564,301; Dec. 8.

Wilson, Samuel C., Chicago, Ill. Combined radiator and humidifier. 1,564,919; Dec. 8.

Winberg, Robert, Providence, R. I. Ring. Des. 69,002; Dec. 8.

Winchester Repeating Arms Company. (See de Olaneta, Harold, assignor.)

Winn, Sidney B., Lapeer, Mich. Tractor. 1,564,739; Dec. 8.

Winn, Sidney B., Lapeer, Mich. Tractor. 1,564,740; Dec. 8.

Winter, August P., assignor to S. C. Clow, Minneapolis, Minn. Vehicle dump. 1,564,920; Dec. 8.

Wittemann, Rudolph W., Brooklyn, N. Y. Hedge cutter. 1,564,990; Dec. 8.

Wodack Electric Tool Corporation. (See Gebhardt, J. J., and Wodack, assignors.)

Wodack, Oscar P. (See Gebhardt, J. J., and Wodack.)

Wohlers, Frederick T., Hasbrouck Heights, N. J., assignor to The Anhydrous Metallic Chlorides Corporation, Dover, Del. Apparatus for making anhydrous metallic chlorides. 1,564,302; Dec. 8.

Wold, Peter I., Schenectady, assignor to Western Electric Company, Incorporated, New York, N. Y. System for location of a source of wave energy. 1,564,303; Dec. 8.

Wolf, Ernst. (See Kruh, O., and Wolf.)

Wolf, Jacques, & Co. (See Waksman, Selman A., assignor.)

Wolfe, Clarence J., Quay, Okla. Oil and gas separator. 1,565,135; Dec. 8.

Wolfe, Francis J., Fremont, Ohio, assignor to National Carbon Company, Inc. Battery electrode. 1,564,741; Dec. 8.

Wolfe, Harry B., Oakland, assignor of one-half to R. Wedler, Ione, Calif. Mop. 1,564,991; Dec. 8.

Wolfe, Samuel C., Angola, Ind., assignor to Fernald Manufacturing Company, North East, Pa. Windshield clearer. 1,564,504; Dec. 8.

Wolff, Hugo. (See Lüttringhaus, A., Wolff, and Neresheimer.)

Wolff, Wallace B., Chicago, Ill. Slicing machine. 1,564,459; Dec. 8.

Wolfer, Heinrich, Ludwigshafen-on-the-Rhine, assignor of one-half to Obermaier & Cie., Neustadt-on-the-Haardt, Germany. Centrifugal machine for treating textiles with liquids and gases. 1,564,503; Dec. 8.

Wood, Frank L., Lynden, Wash. Roller-shade-fastening device. 1,564,992; Dec. 8.

Wood, William A., Oakland, Calif. Dash receptacle for automobiles. 1,564,993; Dec. 8.

Woodford, Robert S. (See Armstrong, J. J., and Woodford.)

Woodland, Henry A. (See Brunker, G. N., and Woodland.)

Woodmansee, Ray, Maywood, assignor to Electrical Engineers Equipment Company, Chicago, Ill. Liquid-feed system. 1,564,656; Dec. 8.





Woods, Clinton E., assignor to Scovill Manufacturing Company, Waterbury, Conn. Mounting for phonograph motors. 1,564,921; Dec. 8.

Woolson, Harry T., Detroit, Mich. Thermostatic control device. 1,564,504; Dec. 8.

Wren, Henry. (See Morrow, Scott A., assignor.)

Wright, James C., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring and recording device. 1,565,136; Dec. 8.

Wullum, Gerhard, Chicago, Ill. Cuff button. 1,564,657; Dec. 8.

Wyckoff, J. Lewis, et al., trustees. (See Gifford, Richard T., assignor.)

Xardell, Charles A., assignor to The Xardell Corporation, Utica, N. Y. Tank. 1,564,658; Dec. 8.

Xardell, Charles A., assignor to The Xardell Corporation, Utica, N. Y. Washing and wringing machine. 1,564,659; Dec. 8.

Xardell Corporation, The. (See Xardell, Charles A., assignor.)

York, Don H., Washington, D. C. Building construction. 1,564,393; Dec. 8.

Young, Frank L., Windsor, Conn., assignor, by mesne assignments, to Goodell-Pratt Company. Drill. 1,564,460; Dec. 8.

Young, Paul, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Still. 1,564,312; Dec. 8.

Youngman, Robert H., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Unburned refractory brick. 1,564,394; Dec. 8.

Zadek, Arthur, New York, N. Y. Display device. 1,564,994; Dec. 8.

Zaokipny, Stepan, Moose Jaw, Saskatchewan, Canada. Combination tool. 1,565,137; Dec. 8.

Zeis, George J., Buffalo, N. Y. Ornament for radiator cap. Des. 69,008; Dec. 8.

Zeiss, Firm of Carl. (See Eppenstein, Otto, assignor.)

Zeiss, Firm of Carl. (See König, Albert.)

Zimmerman, Harry C., Washington, D. C. Traveling lock for gun carriages. 1,564,395; Dec. 8.

Zugelter, Alvin E., Cincinnati, Ohio, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,564,922; Dec. 8.

Zuzulin, Nicholas J., Minot, N. Dak. Fuel-supporting means. 1,564,396; Dec. 8.

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 8TH DAY OF DECEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive article. F. G. Okie. 1,565,028; Dec. 8.
Accounting machine. A. H. Hawley. 1,564,237; Dec. 8.
Accumulator grid or plate. J. M. Burnett. 1,564,524; Dec. 8.
Adenotome. I. D. Kelley, jr. 1,564,356; Dec. 8.
Addressing machine. P. F. Cox. 1,564,830; Dec. 8.
Adhesive. W. R. Long. 1,564,970; Dec. 8.
Adhesive or binder. F. G. Okie. 1,565,027; Dec. 8.
Advertising tablet. E. Lohrer. 1,564,595; Dec. 8.
Aeroplane. H. M. Cosey. 1,564,469; Dec. 8.
Aeroplane. F. L. Watson. 1,564,988; Dec. 8.
Aeroplane, Armored. H. Junkers. 1,564,354; Dec. 8.
Aeroplanes, Stabilizer for. M. Pearson. 1,564,971; Dec. 8.
Agricultural implement. W. J. Engle. 1,564,333; Dec. 8.
Air heater. B. S. Harrison. 1,564,567; Dec. 8.
Air-inlet control, Auxiliary. J. Farkas. 1,564,547; Dec. 8.
Air tools, Automatic lubricator for. A. N. Blanchard. 1,564,820; Dec. 8.
Aircraft. M. Pearson. 1,564,972; Dec. 8.
Aircraft control. W. H. McMullen. 1,564,872; Dec. 8.
Aircraft, Sustaining and steering surface for. J. Hubert. 1,565,153; Dec. 8.
Alignment gage. I. A. Weaver. 1,564,654; Dec. 8.
Alkali salts of aromatic sulphonic acids, Production and isolation of. H. W. Hillyer. 1,564,239; Dec. 8.
Almond hulling and separating machine. L. K. Vaughan. 1,564,914; Dec. 8.
Amplifier or detector tubes, Shield for. E. H. Lerchen. 1,564,694; Dec. 8.
Amusement device. C. Fleischer. 1,564,841; Dec. 8.
Amusement device. A. A. Stavick. 1,564,639; Dec. 8.
Amusement device, Rotary. J. A. Fisher. 1,564,952; Dec. 8.
Anhydrous metallic chlorides, Apparatus for making. F. T. Wohlers. 1,564,302; Dec. 8.
Anthraquinone, Manufacture of 2-amino. O. D. Cunningham. 1,564,210; Dec. 8.
Antiskid attachment for vehicle wheels. J. Jeup. 1,565,095; Dec. 8.
Antiskid attachment for wheels. J. Boosh. 1,565,050; Dec. 8.
Apples, Holder for baked. M. G. Finn. 1,565,077; Dec. 8.
Aquatic amusement device. D. L. Alger. 1,564,313; Dec. 8.
Article carrier. E. A. Montgomery. 1,564,881; Dec. 8.
Article holder. J. D. Payne. 1,564,708; Dec. 8.
Ash tray. M. Moss. Des. 68,983; Dec. 8.
Asbestos insulating medium. J. A. Heany. 1,564,238; Dec. 8.
Assorting machine J. B. Perry. 1,564,973; Dec. 8.
Astigmatic testing device. C. Sheard. 1,564,495; Dec. 8.
Audiphone. C. Fensky. 1,564,474; Dec. 8.
Audiphone. D. A. Reynolds. 1,564,714; Dec. 8.
Automobile bumper. E. Nastri. 1,564,488; Dec. 8.
Automobile finish and finishing process. W. Y. Time. 1,565,122; Dec. 8.
Automobile signal. Shaft and sleeve type. F. M. Baldwin and G. A. Burgess. 1,564,998; Dec. 8.
Automobiles, Dash receptacle for. W. A. Wood. 1,564,993; Dec. 8.
Automobiles, Disk wheel for. W. E. Williams. 1,564,738; Dec. 8.
Automobiles, Emergency indicator for. L. W. Eggleston. 1,564,409; Dec. 8.
Automobiles, Receptacle for. D. Weisberger. 1,564,989; Dec. 8.
Automobiles, Trailer draft gear for. F. B. Kane. 1,564,961; Dec. 8.
Axle assembly, Rear-. C. E. Weaver. 1,564,733; Dec. 8.
Axle for railway and like vehicles. J. J. Rowe. 1,564,628; Dec. 8.
Axle-forging apparatus. C. Weatherson. 1,564,915; Dec. 8.
Bag: *See*—
  Hand bag.
  Laundry bag.
Bag. E. P. Lea. 1,564,255; Dec. 8.
Baker. W. H. Sommer. 1,565,114; Dec. 8.
Baling-press feeder W. C. Ruth. 1,564,629; Dec. 8.
Bank notes, bonds, and the like, Protecting cover for. W. Vagedes. 1,565,124; Dec. 8.
Basket, Vegetable or fruit. E. M. Seifert. 1,564,452; Dec. 8.
Bathing suit. G. A. Mattern. 1,565,022; Dec. 8.
Battery: *See*—
  Storage battery.



Battery electrode. F. J. Wolfe. 1,564,741; Dec. 8.
Bearings, Lubrication of. D. Dana. 1,564,832; Dec. 8.
Bed, Orthopedic. H. Lo Grasso. 1,564,596; Dec. 8.
Beehive frame. G. G. Frater. 1,564,773; Dec. 8.
Bell, Electric. G. A. Huber. 1,564,850; Dec. 8.
Belt clamp T. Erskine and A. C. Arnot. 1,565,074; Dec. 8.
Belt shifter. R. E. Richter. 1,564,447; Dec. 8.
Bench: *See*—
  Packing bench.
Bending machine. M. F. Bayer. 1,565,001; Dec. 8.
Benzanthrone derivatives, Manufacture of. A. Lüttringhaus, H. Wolff, and H. Neresheimer. 1,564,423; Dec. 8.
Benzanthrone derivatives, Production of. G. Kallscher, R. Müller, and F. Fürster. 1,565,229; Dec. 8.
Bicycles, motor cycles, and the like, Pedal for. T. M. Allen. 1,564,188; Dec. 8.
Binder, Loose-leaf. H. Auburn. 1,564,398; Dec. 8.
Birdcage stand. L. J. Leon. Des. 68,976; Dec. 8.
Bits, Producing mining-machine. N. K. Bowman. 1,565,052; Dec. 8.
Blank-treating machine. I. C. Buckminster. 1,564,198; Dec. 8.
Blowtorch, soldering and branding iron, Combination. T. R. Clark. 1,564,755; Dec. 8.
Boats, Propelling means for. F. Le Roy. 1,565,170; Dec. 8.
Boiler: *See*—
  Flash boiler.
  Steel heating boiler.
  Steam boiler.
  Water-tube boiler.
Boiler headers, Method and apparatus for producing sectional. A. Cotton. 1,565,062; Dec. 8.
Boilers and the like, Sectional header for. A. Cotton. 1,565,060; Dec. 8.
Bookbinder. C. Goldstein. 1,564,233; Dec. 8.
Bookrest. H. M. Leh. 1,564,594; Dec. 8.
Books, Apparatus for backing. L. W. Meyers. 1,565,183; Dec. 8.
Booster brake. F. A. Bower. 1,564,515; Dec. 8.
Boots and shoes, Welt for. J. E. Fallon. 1,564,771; Dec. 8.
Boring machine. J. H. Mansfield. 1,564,876; Dec. 8.
Bottle. C. J. Root. Des. 68,991; Dec. 8.
Bottle and the like, Gum. H. V. Major. 1,565,179; Dec. 8.
Bottle conveyer and feeder for leers, Automatic. W. W. Glass. 1,564,477; Dec. 8.
Bottle, Nursing. F. J. Creque. 1,564,759; Dec. 8.
Box: *See*—
  Display box.
  Fireproof box.
Box lifter. H. Fassbender. 1,565,075; Dec. 8.
Boxes and making the same, Corner joint for. L. F. Dettenborn. 1,564,538; Dec. 8.
Bracelet, Expansible. A. Hadley. 1,564,563; Dec. 8.
Bracket: *See*—
  Bumper bracket.
  Shade bracket.
  Foldable bracket.
  Wall bracket.
Brackets, Making reenforcing corner. C. M. Clarke. 1,564,942; Dec. 8.
Braiding machine. E. F. Baldwin. 1,565,232; Dec. 8.
Braiding machine. G. F. McCahey. 1,564,697; Dec. 8.
Brake: *See*—
  Booster brake.
  Hydraulic brake.
Brake. C. Wasseige. 1,565,040; Dec. 8.
Brake. F. Watkins. 1,565,130; Dec. 8.
Brake device, Automotive. A. C. Mathieson and J. M. Dapron. 1,564,261; Dec. 8.
Brake-operating device, Emergency-. J. B. Topham. 1,564,725; Dec. 8.
Brake-operating mechanism, Electrical trip-. C. C. Strout. 1,565,031; Dec. 8.
Breathing device, Self-contained lung-power. A. B. Drager. 1,564,835; Dec. 8.
Brick, Arch. G. C. Denney. 1,564,762; Dec. 8.
Brick pallet cleaner, Silica-. M. Cantrell. 1,564,199; Dec. 8.
Brick, Unburned refractory. R. H. Youngman. 1,564,394; Dec. 8.
Briquette. A. D. Parker. 1,564,890; Dec. 8.
Broom, Push. A. A. Callais. 1,564,526; Dec. 8.
Brush cleaner, Revolving-. J. A. McAnerney. 1,565,174; Dec. 8.
Brush, Foldable. V. A. Johnson. 1,565,228; Dec. 8.
Brush for butter jars, Cleaning. O. Westvig. 1,564,388; Dec. 8.
Brush head and handle connection. H. M. Sturgis. 1,564,293; Dec. 8.



Bubbler head. P. Mueller and A. C. Schuermann. 1,565,190; Dec. 8.
Buckle. A. Oppenheim. 1,564,887; Dec. 8.
Building block and wall. B. F. Hayden. 1,564,568; Dec. 8.
Building construction. D. H. York. 1,564,893; Dec. 8.
Building construction. E. E. Van Wie. 1,564,648; Dec. 8.
Bumper. F. J. Clark. 1,564,204; Dec. 8.
Bumper bracket. J. S. Tormey. 1,564,646; Dec. 8.
Burglar trap. G. Ivory. 1,564,243; Dec. 8.
Burner: *See*—
  Liquid-fuel burner.
  Oil burner.
Bushing construction. L. G. Copeman. 1,564,947; Dec. 8.
Buttonhole indicator. E. Brownstein. 1,564,520; Dec. 8.
Cabinet, Towel. J. N. Borroughs. 1,564,750; Dec. 8.
Cable telegraphy, High-frequency. H. Fassbender and E. Habann. 1,564,660; Dec. 8.
Cadmium plating. C. M. Hoff. 1,564,414; Dec. 8.
Calcining material. A. S. Walden. 1,564,730; Dec. 8.
Calcium nitrate, Manufacturing solid. C. Eyer and R. Griessbach. 1,564,410; Dec. 8.
Camera, Box. C. Bornmann. 1,564,821; Dec. 8.
Cameras, Lens shade for. J. A. Turner. 1,564,987; Dec. 8.
Cameras, Rising front for. C. Bornmann. 1,564,822; Dec. 8.
Can: *See*—
  Ice can.
  Oil can.
Can closure. E. and H. Hildebrandt. 1,564,958; Dec. 8.
Candle holder. E. Bergstrom. Des. 68,947; Dec. 8.
Candelabrum socket, Pull-chain. E. H. Freeman. 1,565,082; Dec. 8.
Candlestick. T. C. Heisey. Des. 68,966; Dec. 8.
Canopy holder. V. P. Nelson. 1,565,191; Dec. 8.
Cap-sorting machine. H. R. Pinkerton. 1,564,619; Dec. 8.
Caps on sticks or the like, Appliance for securing. K. F. von Thungen. 1,564,384; Dec. 8.
Car brake beams, Safety device for railway-. L. J. Brown. 1,564,196; Dec. 8.
Car, Compartment freight. A. H. Smith. 1,564,285; Dec. 8.
Car coupler. R. G. Averill. 1,564,400; Dec. 8.
Car seat. A. B. Bell. 1,564,401; Dec. 8.
Cars, Valve-operating device for tank. E. R. Gudeman and G. J. Mack. 1,564,308; Dec. 8.
Carbon, Forming activated. G. W. Wallace. 1,565,129; Dec. 8.
Carbon-pile support. P. I. Chandeysson. 1,564,939; Dec. 8.
Card, Order. E. A. Brown. 1,564,752; Dec. 8.
Carding engines, Licker-in device for. B. Hagemann. 1,564,669; Dec. 8.
Carding textile fibers and apparatus therefor. H. Maly. 1,564,690; Dec. 8.
Carrier: *See*—
  Article carrier.
Carton-making machine. H. S. Labombarde. 1,565,167; Dec. 8.
Cash tickets, Combined holder and notcher or cutter for. C. A. Erickson. 1,564,545; Dec. 8.
Casing elevator. E. R. Maxwell. 1,564,434; Dec. 8.
Cast iron and its production, Gray. K. Sipp. 1,564,284; Dec. 8.
Casting articles. C. C. Rand. 1,564,274; Dec. 8.
Casting, Mold for centrifugal. L. Cammen. 1,565,007; Dec. 8.
Casting copper. L. Shipley. 1,564,369; Dec. 8.
Casting hollow articles. E. E. Smeeth. 1,564,372; Dec. 8.
Castings, Making malleable-iron. W. J. Miles, jr. 1,564,437; Dec. 8.
Centrifugal machines, Safety cover for. J. B. Sando. 1,564,494; Dec. 8.
Centrifugal separator. L. G. Gates. 1,564,655; Dec. 8.
Centrifugal separator. G. R. Schueler. 1,564,632; Dec. 8.
Chain, belt, and the like. A. H. F. Perl and R. H. Carter. 1,564,711; Dec. 8.
Chain, Harness or drop-box. F. L. Furgal. 1,565,085; Dec. 8.
Chain, Power-transmission. H. E. Sturtevant. 1,564,798; Dec. 8.
Chain tightener. P. Deilb. 1,564,537; Dec. 8.
Chair: *See*—
  Measuring chair.
Chair-desk. C. L. Smith and E. E. Roderick. 1,565,214; Dec. 8.
Chandeliers, Body-frame for. M. Rodolitz. Des. 68,990; Dec. 8.
Charm or similar article of jewelry. J. W. Snodgrass. Des. 68,999; Dec. 8.
Check. C. G. Tiefel. 1,564,296; Dec. 8.
Check device. R. T. Gifford. 1,564,554; Dec. 8.
Check holder and record. J. H. Hjul. 1,564,482; Dec. 8.
Chemical reactions, Controlling. H. H. Dow. 1,564,218; Dec. 8.
Chuck. G. W. Emrick. 1,564,768; Dec. 8.
Chuck. O. Garrison. 1,565,227; Dec. 8.
Chucking machine. E. E. Johnson. 1,564,353; Dec. 8.
Cinematographic apparatus. W. Thorner. 1,564,295; Dec. 8.
Ciphering and deciphering, Apparatus for use in. J. P. Pessôa. 1,564,268; Dec. 8.
Cisterns, Automatic cut-off for. M. E. Crandall. 1,565,064; Dec. 8.
Clamp: *See*—
  Belt clamp.
  Insulator clamp.
  Hose clamp.
Clamp. I. A. Treiman. 1,564,382; Dec. 8.
Clamp mechanism, Spring. F. J. Dowling. 1,564,834; Dec. 8.
Clasp: *See*—
  String clasp.
Clasp. J. H. Lynch. 1,564,424; Dec. 8.
Cleaner: *See*—
  Brick pallet cleaner.
  Dirt-tank cleaner.
  Brush cleaner.
  Windshield cleaner.
Clip: *See*—
  Terminal clip.
Clock. H. E. Warren. 1,564,803; Dec. 8.
Clock cabinet. W. J. Herschede and W. Eberhardt. 1,565,147; Dec. 8.
Clock, Coin-controlled. C. and N. Malouf. 1,564,431; Dec. 8.
Clothes drier. J. M. Weller. 1,564,734; Dec. 8.
Clothes wringer. F. A. Barnes. 1,565,000; Dec. 8.
Clothes wringer. G. E. Randles. 1,565,105; Dec. 8.
Clothespin machine. H. J. Kahrs, C. Bodri, and P. E. Schneider. 1,564,576; Dec. 8.
Clutch. H. F. Scruby and C. B. Rogers. 1,564,717; Dec. 8.
Coating with metals and resulting products. A. Z. Pedersen. 1,564,710; Dec. 8.
Coils, Securing armature. G. B. Sayre. 1,564,449; Dec. 8.
Coin-controlled mechanism. T. S. Brightwell. 1,564,319; Dec. 8.
Collars, Stiffener for. J. Saul. 1,565,207; Dec. 8.
Color combinations, Determining. H. H. Adler. 1,564,743; Dec. 8.
Comb. W. S. Bechtold. Des. 68,945–6; Dec. 8.
Combustion regulation. G. H. Gibson. 1,564,553; Dec. 8.
Compressor. C. C. Spreen. 1,565,029; Dec. 8.
Concrete blocks, Automatic machine for making. L. M. Parkhurst. 1,564,490; Dec. 8.
Concrete breakers, Mounting for. W. Prellwitz. 1,564,893; Dec. 8.
Concrete construction, Form for. L. L. Ellis. 1,565,071; Dec. 8.
Concrete floor and ceiling construction. R. Murray. 1,564,264; Dec. 8.
Concrete form. L. H. Dodd. 1,564,541; Dec. 8.
Concrete-form tie and spacer. D. B. Smith. 1,564,981–2; Dec. 8.
Concrete-form tie and spacer. H. A. Orlopp and D. B. Smith. 1,564,888; Dec. 8.
Concrete mixers, Distributor for. C. J. Hug. 1,565,154; Dec. 8.
Concrete mixers, Draft and brace means for. P. A. Koehring. 1,564,582; Dec. 8.
Concrete, Mold for. R. T. Wales. 1,564,651; Dec. 8.
Concrete or like beams, blocks, columns, and the like, Manufacture of molds for making. L. Alwyn. 1,564,924; Dec. 8.
Condensation product of the anthaquinone series and making same. G. Kränzlein, M. Corell, and R. Sedlmayr. 1,564,584; Dec. 8.
Condenser. R. N. Ehrhart. 1,564,223; Dec. 8.
Condenser. J. O. Gargan. 1,565,088; Dec. 8.
Condenser, Surface. J. E. Goodwillie. 1,564,954; Dec. 8.
Connecters, Lock for automatic. M. A. Barber. 1,564,999; Dec. 8.
Container, Metal. L. M. Kregelius. 1,564,360; Dec. 8.
Containers, Method and apparatus for transferring. H. W. Kirchner. 1,564,419; Dec. 8.
Containers, Pouring device for. S. Jackson. 1,564,853; Dec. 8.
Controlling device operating by the aid of a relay. C. G. Janson and N. Persson. 1,565,156; Dec. 8.
Conveyer. E. A. Bole. 1,564,513; Dec. 8.
Conveyers and the like, Loading mechanism for. W. C. Cadwell. 1,564,936; Dec. 8.
Cooler. E. Rasheta. 1,565,198; Dec. 8.
Core or winder for fabric strips and making same. H. B. Smith. 1,564,374; Dec. 8.
Core samples in rotary drilling, Device for taking. H. H. Hair. 1,564,779; Dec. 8.
Corrosive liquids, Container for. K. E. Edgeworth. 1,564,766; Dec. 8.
Corsets, Attachment or adjustable back for. K. L. Lamberger. 1,565,168; Dec. 8.
Cotton fabric having a linenlike finish resistant to wear and washing. E. R. Clark. 1,564,943; Dec. 8.
Coupling: *See*—
  Flexible coupling.
  Pipe coupling.
Cover fastener. E. F. McGarvey and O. M. James. 1,564,426; Dec. 8.
Cowl ventilator. P. N. Landine. 1,564,251; Dec. 8.
Craft-propelling mechanism, Water-. F. L. Cervera. 1,565,056; Dec. 8.
Cream centers, Apparatus for forming. C. R. Snyder. 1,564,637; Dec. 8.
Cuff button. G. Wullum. 1,564,857; Dec. 8.
Cup: *See*—
  Measuring cup.

Curtain poles, Support and lock device for. E. J. Barrett. 1,564,747; Dec. 8.
Curtain ring and clip for suspending curtains and the like. A. Wilson. 1,564,801; Dec. 8.
Curtain rod or similar article. C. W. Kirsch. Des. 68,971–2; Dec. 8.
Cutter: *See*—
Ensilage cutter. Race cutter.
Hedge cutter.
Cylinder lock. J. A. Muzzio. 1,564,883; Dec. 8.
Cylinders, Machine for lapping and honing. W. P. Hunt. 1,564,574; Dec. 8.
Damper regulator. J. L. Kimball. 1,564,685; Dec. 8.
Davit. A. P. Schat. 1,564,450; Dec. 8.
Dental floss container. A. E. Palmer. 1,565,194; Dec. 8.
Dental paste. J. L. Smith. 1,564,375; Dec. 8.
Dephlegmator. J. W. Hancock. 1,564,564; Dec. 8.
Dish dispenser. W. F. Carter. 1,564,529; Dec. 8.
Dial knob. J. R. Riehle. Des. 68,988–9; Dec. 8.
Diaphragm. J. F. Gallagher. 1,565,086; Dec. 8.
Differential alleron control. H. C. Mummert. 1,565,097; Dec. 8.
Direction indicator, Vehicle. H. McCain. 1,564,698; Dec. 8.
Discharge devices, Circuit arrangement for. J. B. Johnson. 1,565,157; Dec. 8.
Disk wheel, Hub demountable. W. E. Williams. 1,564,737; Dec. 8.
Dispensing apparatus. R. A. Thornton. 1,564,799; Dec. 8.
Display box. R. A. Lambert. 1,564,250; Dec. 8.
Display case, Jewelry-. I. Brandt. Des. 68,950; Dec. 8.
Display device. A. Zadek. 1,564,994; Dec. 8.
Display stand. R. S. Moore. 1,565,026; Dec. 8.
Dividers and pencil, Combined. F. L. Sorensen. 1,564,908; Dec. 8.
Doorbolts and the like, Mechanical movement for. A. Von Schrenk. 1,564,729; Dec. 8.
Door handle. H. W. and A. De Shields. Des. 68,944; Dec. 8.
Doorknob. M. W. Wessendorf. 1,564,735; Dec. 8.
Doorlock. J. Marmoroski. 1,565,021; Dec. 8.
Drafting table. P. Klein. 1,564,358–9; Dec. 8.
Drawing press. G. E. Thompson. 1,564,986; Dec. 8.
Dressing wheel for earthy material. W. G. Bergman. 1,564,194; Dec. 8.
Drier: *See*—
Clothes drier. Fuel drier.
Drifting control, Automatic. W. T. Bretherton and R. R. Bush. 1,564,465; Dec. 8.
Drill: *See*—
Rock drill.
Drill. F. L. Young. 1,564,460; Dec. 8.
Drum and cymbal apparatus. W. C. L. Evans. 1,564,839; Dec. 8.
Dry cells, Manufacture of. H. de Olaneta. 1,564,951; Dec. 8.
Drying and oxidizing materials in suspended condition. G. D. Harris. 1,564,565; Dec. 8.
Drying including solvent recovery, Method of and apparatus for. G. D. Harris. 1,564,783; Dec. 8.
Drying machine. C. A. Green and H. J. Brunk. 1,564,775; Dec. 8.
Drying materials. G. D. Harris. 1,564,566; Dec. 8.
Drying, Method of and apparatus for. G. D. Harris. 1,564,782; Dec. 8.
Dump body, Automatic. R. E. Smith, J. C. Gay, and R. J. Arnold. 1,564,289; Dec. 8.
Dumping fork. W. W. Wallace. 1,564,652; Dec. 8.
Dyeing machine. J. H. Thompson. 1,565,037; Dec. 8.
Dynatron synchronous detector. A. W. Hull. 1,564,851; Dec. 8.
Egg-treating device. C. G. Olsen. 1,564,615; Dec. 8.
Electric circuits, Controlling device for. J. W. Cloud. 1,564,207; Dec. 8.
Electric circuits, Time switch for. A. B. Ballance and W. T. Anderson. 1,564,815; Dec. 8.
Electric core oven. F. A. Coleman. 1,564,945; Dec. 8.
Electric discharge device. W. G. Houskeeper. 1,565,151; Dec. 8.
Electric furnace. M. Unger. 1,564,800; Dec. 8.
Electric iron. J. W. Slate and H. L. Mitchell. 1,564,371; Dec. 8.
Electric light. C. W. Dake. 1,564,471; Dec. 8.
Electric machine, Dynamo-. S. S. Wheeler. 1,564,389; Dec. 8.
Electric switch. F. P. Gates. 1,564,551; Dec. 8.
Electric switches or stops for motors, Release for. M. C. Spencer. 1,564,377; Dec. 8.
Electrical connecter device. S. McClatchie. 1,564,871; Dec. 8.
Electrical contact. G. S. Faber. 1,564,840; Dec. 8.
Electrical controlling element, Variable. A. N. Goldsmith. 1,564,555; Dec. 8.
Electrical heating device. A. J. Kercher. 1,564,681; Dec. 8.
Electrical system. J. N. Mahoney and W. M. Austin. Re16,223; Dec. 8.
Electrical testing system. R. C. McCurdy. 1,564,259; Dec. 8.
Electrical transformer. H. Nyquist. 1,564,266; Dec. 8.
Electrically-operated switch. M. C. Garlick. 1,564,341; Dec. 8.
Electrolytic cell. M. W. Cowles. 1,564,406; Dec. 8.
Electrolytic condenser leads, Preventing corrosion of. R. D. Mershon. 1,565,024; Dec. 8.
Electron-discharge apparatus. A. W. Hull. 1,564,852; Dec. 8.
Electroplating. W. R. King. 1,564,581; Dec. 8.
Electroplating metallic cadmium and electrolytic bath therefor. C. M. Hoff. 1,564,413; Dec. 8.
Elevator: *See*—
Casing elevator. Stoker elevator.
Elevator. W. P. Schlinger. 1,564,977; Dec. 8.
Elevator-door control. H. J. Fear. 1,565,143; Dec. 8.
Elevator-door-opening mechanism. F. F. Brush and L. E. Groat. 1,564,521; Dec. 8.
Elevator hoist. H. A. Davis and P. S. Newcomer. 1,564,536; Dec. 8.
Enamels and glazes, Producing. F. Sommer and M. Groth. 1,564,907; Dec. 8.
Engine: *See*—
Internal-combustion engine.
Engine manifold. J. L. Foust. 1,565,080; Dec. 8.
Engine throttle, Steam-. C. Uebelmesser. 1,564,726; Dec. 8.
Engines, Adjustable bearing for internal-combustion. C. J. Hayward. 1,564,481; Dec. 8.
Engines, Air valve for internal-combustion. H. Barker. 1,564,507; Dec. 8.
Engines by the striking of said gases, Utilization of the energy of the exhaust gases of internal-combustion. F. A. Boysen. 1,564,931; Dec. 8.
Engines, Ignition system for internal-combustion. H. J. Moloney. 1,565,025; Dec. 8.
Engines operating upon a common propeller, Device for the automatic coupling and uncoupling of. L. Breguet. 1,564,516; Dec. 8.
Engines, Superfeed system for internal-combustion. G. Fornaca. 1,564,842; Dec. 8.
Ensilage cutter. N. R. Krause. 1,564,586; Dec. 8.
Envelope and letter sheet, Combination. G. Mackovjak. 1,565,178; Dec. 8.
Enzymic substance and preparing same, Concentrated. S. A. Waksman. 1,564,385; Dec. 8.
Evaporator. C. Rees and C. F. Hine. 1,564,491; Dec. 8.
Evaporators and like apparatus, Liquid trap for. J. and C. McNeil. 1,565,019; Dec. 8.
Exhibitor, Changeable. C. Roemer. 1,565,203; Dec. 8.
Extractor. H. G. Eynon. 1,564,770; Dec. 8.
Eyeglasses, Glare guard for. T. F. Galligan. 1,564,663; Dec. 8.
Fabric or paper reenforcing machine. C. H. Howard and L. Sharp. 1,565,009; Dec. 8.
Fabrics, Machine for applying reenforcing filaments to. C. H. Howard. 1,565,008; Dec. 8.
Fan, Collapsible. J. March. 1,565,020; Dec. 8.
Fare register. W. C. Klein. 1,565,164; Dec. 8.
Fastener device, Adjustable. H. Reiter. 1,565,202; Dec. 8.
Faucet. E. S. Karlsen. 1,564,856; Dec. 8.
Faucet. A. G. Schmidt. 1,564,280; Dec. 8.
Faucet set. E. B. Stuart. Des. 69,000; Dec. 8.
Feeder. E. Stabbert. 1,565,117; Dec. 8.
Fender: *See*—
Vehicle fender.
Fender or bumper. H. L. Clabaugh. 1,564,467; Dec. 8.
Field regulator. P. I. Chandeysson. 1,564,938; Dec. 8.
Filing receptacle. A. S. Greenhaus. 1,564,557; Dec. 8.
Filling-end controller. A. E. Stafford. 1,565,218–19; Dec. 8.
Film bands, Apparatus for inspecting. O. D. Tauern and F. Jenne. 1,564,722; Dec. 8.
Film-forming composition. H. A. Gardner. 1,564,664; Dec. 8.
Film-measuring chart. C. A. Knieling. 1,564,964; Dec. 8.
Film winding and stop mechanism. J. A. May. 1,564,435; Dec. 8.
Filter. J. F. Griffin. 1,564,666; Dec. 8.
Filtering apparatus. W. Hoehn. 1,564,351; Dec. 8.
Fire and burglar protection. J. Claridge. 1,565,234; Dec. 8.
Fire extinguisher. G. T. Pearsons. 1,564,709; Dec. 8.
Fire-extinguishing grenade. H. Tank. 1,565,036; Dec. 8.
Fire kindler. W. T. Robertson. 1,564,276; Dec. 8.
Fireplace and screen. J. Setchfield. 1,564,281; Dec. 8.
Fireproof box. F. J. Clark. 1,564,205; Dec. 8.
Firework articles, Manufacture of. H. Grünewald. 1,564,562; Dec. 8.
Fishway. D. R. D. Shephard. 1,564,903; Dec. 8.
Fixture strap, Adjustable. J. Morgenstern. 1,564,609; Dec. 8.
Flash boiler. L. C. Kelley. 1,564,680; Dec. 8.
Flexible coupling. S. Jencick. 1,565,011; Dec. 8.
Flexible pipe. J. H. Phillips, jr. 1,564,270; Dec. 8.
Float structure. R. Chilton and F. A. Hayes. 1,564,836; Dec. 8.
Floor-planing machines. J. E. Hires. 1,564,849; Dec. 8.
Flower holder for churches. P. C. Locke. Des. 68,979; Dec. 8.
Flue closer. W. Reichert. 1,565,201; Dec. 8.
Flying machine. H. Junkers. 1,564,355; Dec. 8.
Flying machine. W. B. Sewell. 1,564,718; Dec. 8.
Foldable bracket. J. C. Stugard. 1,565,118; Dec. 8.
Folding table. J. R. Anderson. 1,564,189; Dec. 8.





Food manufacture. H. S. Mellott. 1,564,262; Dec. 8.
Footgear. M. F. Madden. 1,564,874; Dec. 8.
Fork: *See*—
Dumping fork.
Form tie and spacer construction. H. A. Oriopp and D. B. Smith. 1,564,889; Dec. 8.
Fountain: *See*—
Water fountain.
Frame: *See*—
Beehive frame. Wire frame.
Transformer frame.
Frame for covered structures, Assembling. S. X. Pantsos. 1,564,616; Dec. 8.
Freight-handling system. H. W. Kirchner. 1,564,420; Dec. 8.
Front-axle assembly. C. E. Weaver. 1,564,653; Dec. 8.
Fruit jar or similar article. N. P. Wilcox. Des. 69,001; Dec. 8.
Fruits, Preserving. J. C. and A. S. Magaw. 1564,599; Dec. 8.
Fuel drier. H. Kreisinger. 1,564,361; Dec. 8.
Fuel, Heat generation from liquid. E. A. Leslie. 1,564,866; Dec. 8.
Fuel-supporting means. N. J. Zuzulin. 1,564,396; Dec. 8.
Furnace: *See*—
Electric furnace. Pipeless furnace.
Open-hearth furnace.
Furnace. F. S. Bitgood. 1,565,048; Dec. 8.
Furnace, Article for lining tap holes of. H. G. Frerichs. 1,565,084; Dec. 8.
Furnaces, Gas and vapor mixer for heating. T. W. Green. 1,564,846; Dec. 8.
Furnaces, Heat economizer for. L. D. Summers. 1,565,032; Dec. 8.
Furnaces, Maintaining combustion in. W. M. Duncan. 1,564,542; Dec. 8.
Furs and the like, Bleached and dyed. H. Stein, W. E. Austin, and I. Liebowitz. 1,564,378; Dec. 8.
Fuse medium. F. A. Feldkamp. 1,564,335; Dec. 8.
Fuse, Renewable. A. E. Clarke. 1,564,208; Dec. 8.
Game. W. G. Barnard. 1,564,746; Dec. 8.
Game. T. F. Rabold. 1,564,443; Dec. 8.
Game. R. R. Whiting. 1,564,458; Dec. 8.
Game, Horseshoe-pitching. C. C. P. Lund. 1,564,597; Dec. 8.
Game, Table. G. W. Laing. 1,564,863; Dec. 8.
Garage-door holder. L. E. Heilig. 1,564,671; Dec. 8.
Garden spacer. J. P. Tallon. 1,564,721; Dec. 8.
Garment. M. E. Sanborn. 1,564,897; Dec. 8.
Garment, Belted. A. Block. 1,565,049; Dec. 8.
Garment press. B. W. Brockett. 1,564,466; Dec. 8.
Garment press. J. C. Ledbetter. 1,564,693; Dec. 8.
Gas generators, or the like, Fuel spreader for. O. B. Evans. 1,564,546; Dec. 8.
Gas-purifying composition. R. P. Mase. 1,564,433; Dec. 8.
Gas radiator with heat recovery and continuous ventilation. R. Faure. 1,564,661; Dec. 8.
Gases and vapors, Method and apparatus for handling. C. G. Smith. 1,564,287–8; Dec. 8.
Gasket. C. C. Farmer. 1,564,225; Dec. 8.
Gasoline-vending machine. J. W. Johnson. 1,564,575; Dec. 8.
Gasometers, Closure for dry. K. Jagschitz. 1,564,854; Dec. 8.
Gatepost. J. F. Bowler. 1,564,464; Dec. 8.
Gauge: *See*—
Alignment gauge. Printers' feed gauge.
Oil gauge. Water gauge.
Pressure gauge.
Gauge. G. O. Ellingson. 1,564,543; Dec. 8.
Gear-shift mechanism. P. R. Prosser. 1,564,622; Dec. 8.
Gear-testing machine. J. Laessker. 1,564,589; Dec. 8.
Gearing. J. E. Bower. 1,564,318; Dec. 8.
Gearing for power transmission. W. J. Guild. 1,564,667; Dec. 8.
Gearing, Variable-speed. C. Eggart. 1,564,767; Dec. 8.
Gears and the like, Composite material for. L. T. Frederick. 1,564,774; Dec. 8.
Generator: *See*—
Oscillation generator.
Generators, Attachment for oscillation. H. C. Harrison. 1,565,092; Dec. 8.
Glass, Apparatus for making sheet. F. Gelstharp. 1,564,230; Dec. 8.
Glass, Apparatus for making sheet. H. K. Hitchcock. 1,564,241; Dec. 8.
Glass-feeding mechanism. T. C. Stelmer. 1,564,909; Dec. 8.
Glass, Process and apparatus for making sheet. H. K. Hitchcock. 1,564,240; Dec. 8.
Glass, Process and apparatus for melting and fining. A. L. Harrington. 1,564,235; Dec. 8.
Glass sheets, Apparatus for handling. W. Owen. 1,564,267; Dec. 8.
Glove, Swimming. N. C. Brashear. 1,565,005; Dec. 8.
Golf balls, Sighting device for use with. W. L. R. Amesbury. 1,564,745; Dec. 8.
Golf club. F. P. Connolly. 1,564,208; Dec. 8.
Golf club. E. T. Edwards. 1,565,069–70; Dec. 8.
Golf-club shaft. M. B. Reach. 1,564,444; Dec. 8.
Golf-club shafts, Preserving. J. S. White. 1,564,917; Dec. 8.
Golf machine and attachment therefor. G. D. Babcock. 1,564,812; Dec. 8.
Golf tee. W. M. Decker. 1,564,212; Dec. 8.
Grate, Dumping. R. A. Coleman. 1,564,946; Dec. 8.
Grate, Stoker. A. O. Babendreier. 1,564,813; Dec. 8.
Grills, Attachment for stove-lid. B. Martin. 1,564,602; Dec. 8.
Grinding machine, Gear-cutter. C. Knowles. 1,564,248; Dec. 8.
Grinding, refining, and mixing machine. J. McIntyre. 1,564,427; Dec. 8.
Gun barrels and the like, Device for testing. A. Marcuse and H. Wanschaff. 1,564,432; Dec. 8.
Gun carriages, Traveling lock for. H. C. Zimmerman. 1,564,395; Dec. 8.
Hair curler. D. D. Nielsen. 1,565,098; Dec. 8.
Hair curler. D. M. Ackerman. 1,564,923; Dec. 8.
Hand bag. A. Kullick. 1,564,966–7; Dec. 8.
Hand rest. J. S. Whelan and R. P. E. Starr. 1,564,736; Dec. 8.
Handle-bar-grip fastener. B. E. Fink. 1,565,076; Dec. 8.
Hanger: *See*—
Nozzle hanger.
Harvester, Corn. R. L. Morgan. 1,565,189; Dec. 8.
Harvester, Prune. F. W. King. 1,565,162; Dec. 8.
Harvesters, Knife head for. R. C. Livesay. 1,565,171; Dec. 8.
Hat pad, Detachable. L. Cohen. 1,564,829; Dec. 8.
Haystackers, Hay-retaining device for. R. R. Bowers. 1,565,139; Dec. 8.
Headers, Method and apparatus for making sectional. A. Cotton. 1,565,061; Dec. 8.
Headers, Method and apparatus for producing. A. Cotton. 1,565,063; Dec. 8.
Headers, Overshot draper for. G. H. Harris. 1,564,784; Dec. 8.
Headlamp housing, Vehicle. W. D. Ryan. Des. 68,992; Dec. 8.
Headlight. L. B. Jones. Des. 68,969; Dec. 8.
Headlight, Auto. H. A. Corliss. 1,564,532; Dec. 8.
Hearses, Coffin-retaining device for. W. B. Parsels. 1,565,195; Dec. 8.
Heat-exchange device. A. F. Norton. 1,564,704; Dec. 8.
Heat-insulated receptacle. G. C. Anthon. 1,564,811; Dec. 8.
Heater: *See*—
Air heater. Windshield heater.
Water heater.
Heater and blower, Combined electrical. S. T. Rinker and E. J. Rust. 1,564,896; Dec. 8.
Heaters, Front support for gas. H. Kielberg. 1,564,579; Dec. 8.
Heaters, Metallic post for gas. H. Kielberg. 1,564,580; Dec. 8.
Heating apparatus. F. J. Coucke. 1,564,327; Dec. 8.
Heating with superheated steam. B. Broido. 1,564,403; Dec. 8.
Hedge cutter. R. W. Wittemann. 1,564,990; Dec. 8.
Heel fastener. M. Cangen. 1,564,527; Dec. 8.
Hides, Apparatus or machine for handling. R. Blades. 1,564,317; Dec. 8.
High-frequency alternator. C. S. Franklin. 1,564,476; Dec. 8.
Hinge. H. S. Mountford and E. A. Ovenshire. 1,564,611; Dec. 8.
Hoist. T. O. Werner and E. W. Mikaelson. 1,564,457; Dec. 8.
Hoist, Double-drum. C. C. Hansen. 1,564,781; Dec. 8.
Holder. J. H. Nichols. 1,564,703; Dec. 8.
Hood support. J. H. Bourgon. 1,564,929; Dec. 8.
Hook: *See*—
Safety hook.
Horse boot. J. D. Keller. 1,564,245; Dec. 8.
Hose clamp. J. A. Edeborg. 1,564,837; Dec. 8.
Hose-reel device. J. A. N. Stomberg. 1,564,985; Dec. 8.
Hub dust guard and mounting, Adjustable. R. M. Bemisdorfer. 1,565,003; Dec. 8.
Humidifier. S. W. Cramer. 1,564,949; Dec. 8.
Husking machine, Green-corn-. W. W. Morral. 1,564,882; Dec. 8.
Hydraulic brake. C. F. Mattingly. 1,564,701; Dec. 8.
Hydrocarbon motor. H. D. Church. 1,565,223; Dec. 8.
Hydrocarbon motor. H. F. Doolittle. 1,565,226; Dec. 8.
Hydrochlorides of 3-3'-diamino-4-4'-dioxyarsenobenzene, Manufacture of. P. A. Kober. 1,564,860; Dec. 8.
Hydrophone. W. H. Barber and R. D. Fay. 1,564,192; Dec. 8.
Hypodermic needle. H. Tropp. 1,564,499; Dec. 8.
Hypothetical imines including amines and their substitution products, Making derivatives of. K. F. Schmidt. 1,564,631; Dec. 8.
Ice can. T. Shipley. 1,564,282; Dec. 8.
Ice-cream freezer. O. Larsen. 1,564,253; Dec. 8.
Incinerator. J. W. Thompson. 1,565,120; Dec. 8.
Incinerator. W. G. Arrowood. 1,565,042; Dec. 8.
Incinerator construction. A. S. Decarie. 1,565,225; Dec. 8.
Incubators, Heat spiller for. H. W. Richardson. 1,564,492; Dec. 8.
Indicator: *See*—
Buttonhole indicator. Direction indicator.
Ingot molds and other hollow bodies, Machine for smoothing and resmoothing the matrices of. E. Volturon. 1,565,039; Dec. 8.

Ingot molds, Hot top for. W. H. Sommer. 1,565,113; Dec. 8.
Injector. G. F. Dillig. 1,564,215; Dec. 8.
Ink, Transfer. E. Gorcy. 1,564,234; Dec. 8.
Inking ribbons, Method of and machine for. C. W. Berry. 1,564,510; Dec. 8.
Insulating cover for switch terminals. J. A. Cameron. 1,564,321; Dec. 8.
Insulating covering, Waterproof. J. H. Stone. 1,564,797; Dec. 8.
Insulator clamp. J. T. Williams. 1,564,918; Dec. 8.
Interference-reducing system. P. Goldstone. 1,564,345; Dec. 8.
Internal-combustion engine. L. W. Miller. 1,565,184; Dec. 8.
Internal-combustion engine. H. F. Snyder. 1,565,110; Dec. 8.
Internal-combustion engine. E. Sokal. 1,564,906; Dec. 8.
Irrigation regulator. H. A. Ballard. 1,564,927; Dec. 8.
Iron: *See*—
Electric iron.
Ironing boards, Detachable hinge for. H. Hageman. 1,564,668; Dec. 8.
Ironing machines, Roll for. C. E. Reddig. 1,565,199; Dec. 8.
Jack. H. E. Reitor. 1,564,713; Dec. 8.
Jets, Construction and arrangement of collapsible. P. Arbon. 1,564,314; Dec. 8.
Joint: *See*—
Rail joint.
Jointing and fastening means. G. Russell. 1,564,715; Dec. 8.
Kettles, Drosser for galvanizing. H. C. Ebright. 1,565,068; Dec. 8.
Key-cutting machine. A. Biondi. 1,565,047; Dec. 8.
Keyless lock. M. Wildrick and A. G. Hatch. 1,565,132; Dec. 8.
Kilns, Traveling support for. W. L. Burley. 1,564,935; Dec. 8.
Knife, Clicking or like cutting-out. H. H. Freer. 1,565,083; Dec. 8.
Knitting machines, Attachment for. J. Muller. 1,564,438; Dec. 8.
Knitting machines, Transfer mechanism for. L. N. D. Williams. 1,564,300; Dec. 8.
Lace. E. A. D. Press, jr. Des. 68,953; Dec. 8.
Lace. P. Broebli. Des. 68,958–64; Dec. 8.
Lace-machine carriage. G. M. G. Makin. 1,565,180; Dec. 8.
Ladle equalizer, Pouring-. W. C. Rengert. 1,564,895; Dec. 8.
Lamp. A. R. Seng. Des. 68,996; Dec. 8.
Lamp, Cab. C. P. McGinnis and C. W. Dake. 1,564,486; Dec. 8.
Lamp, Quartz. F. Girard. 1,564,344; Dec. 8.
Lamps, Suspension device for electric. T. F. O'Neill. 1,564,886; Dec. 8.
Lap-forming apparatus. G. C. Laurency and M. Vigier. 1,564,254; Dec. 8.
Last for boots, shoes, and the like. F. W. Chappell. 1,565,057; Dec. 8.
Lasts, Machine for finishing the toe and insole of. W. J. Burke and H. G. Clausing. 1,564,523; Dec. 8.
Lasts, Machine for finishing the toe of. W. J. Burke and H. G. Clausing. 1,564,522; Dec. 8.
Latch. J. Sillick. 1,565,212; Dec. 8.
Latch for covers or doors. N. M. Langdon. 1,564,691; Dec. 8.
Lathe. W. C. Kenyon. 1,564,483; Dec. 8.
Lathe, Automatic forming. J. A. Doane. 1,564,216; Dec. 8.
Lathe dog. A. Valtman. 1,564,297; Dec. 8.
Laundry bag. E. Boyes. 1,564,930; Dec. 8.
Leather effect, Creating a. C. S. Sinclair. 1,564,283; Dec. 8.
Lifter: *See*—
Box lifter.
Light: *See*—
Electric light.
Light fixtures, Shade holder for electric. J. B. Bander. 1,564,816; Dec. 8.
Lighting apparatus. L. A. Nevière. 1,564,613; Dec. 8.
Lighting fixture. T. Dahl. Des. 68,952; Dec. 8.
Lighting fixture. M. Klein. Des. 68,973–4; Dec. 8.
Lighting fixture part or similar article. T. Holzhalb. Des. 68,968; Dec. 8.
Lighting fixtures, Body for. F. A. Frerichs. Des. 68,956; Dec. 8.
Lighting fixtures, Lantern for. F. A. Frerichs. Des. 68,957; Dec. 8.
Lighting standard. H. O. Rastetter. Des. 68,986; Dec. 8.
Lime, Hydrating. J. P. Rich. 1,565,107; Dec. 8.
Lip-stick holders. C. N. Coryell. 1,565,142; Dec. 8.
Liquid-feed system. F. Woodmansee. 1,564,656; Dec. 8.
Liquid-fuel burner. J. Sommer. 1,565,111; Dec. 8.
Liquid levels, Device for maintaining. W. J. Maddrell. 1,564,430; Dec. 8.
Liquids, Dispensing apparatus for. B. J. Pepper. 1,564,617; Dec. 8.
Liquids from solids, Machine for separating. H. C. Behr. 1,565,002; Dec. 8.
Lithopone product and making the same. J. L. Mitchell. 1,565,185; Dec. 8.
Loading system. J. R. Carson, A. B. Clark, and J. Mills. 1,564,201; Dec. 8.
Lock: *See*—
Cylinder lock. Nut lock.
Keyless lock. Plier lock.
Lock. A. E. Gertsfeld. 1,564,953; Dec. 8.
Lock. H. H. Smith. 1,564,635; Dec. 8.
Lock and latch, Combined. W. O. Lawrence. 1,564,593; Dec. 8.
Lock for shifting rods of change-speed gearing. G. W. Sponable. 1,564,719; Dec. 8.
Locking attachment. J. Cartelli. 1,564,528; Dec. 8.
Locks, Throw mechanism for pin-tumbler. F. E. Best. 1,564,463; Dec. 8.
Locomotive and similar vehicle, Steam. R. H. Whitelegg. 1,564,390; Dec. 8.
Locomotive boilers, Fire arch for. E. R. Manor. 1,564,875; Dec. 8.
Locomotives, Drop-pit mechanism for unwheeling. O. L. Coffey. 1,564,828; Dec. 8.
Loom. A. John. 1,564,677–8; Dec. 8.
Loom. J. G. Martin. 1,564,603; Dec. 8.
Loom. W. S. Wells. 1,564,386; Dec. 8.
Loom, Needle. G. B. Ambler. 1,564,506; Dec. 8.
Looms, Automatically-threading shuttle for. G. H. Willard. 1,564,502; Dec. 8.
Looms, Drop weight for Knowles. T. F. Foley. 1,564,338; Dec. 8.
Looms, Feeler mechanism for. H. A. Davis. 1,565,224; Dec. 8.
Looms, Filling-feeler mechanism for. J. Northrop. 1,564,265; Dec. 8.
Loop, Adjusting. F. J. Arney. 1,565,041; Dec. 8.
Loose-leaf binders, Post fastening for. E. H. Fischer. 1,564,772; Dec. 8.
Loud speaker. V. Durbin. 1,564,763; Dec. 8.
Loud-speaker casing. L. W. Staunton. Des. 69,004; Dec. 8.
Lubricator. F. L. Swanberg. 1,564,294; Dec. 8.
Lug and heel strap support. H. Meroney. 1,565,182; Dec. 8.
Luggage and tire carrier, Combined. W. R. Green. 1,564,776; Dec. 8.
Lumber-loading device. B. W. Westbo. 1,564,655; Dec. 8.
Magnetic separators, Zone pole for. G. Ullrich. 1,565,038; Dec. 8.
Mail boxes, Post support for rural-route. C. S. Harrell. 1,565,144; Dec. 8.
Mamino-p-cresol-methyl ether, Production of. C. G. Derick, T. H. Leaming, and W. M. Ralph. 1,564,214; Dec. 8.
Mandrel for headers, Internal. L. F. Koellner. 1,565,015; Dec. 8.
Manifold. M. S. Groh. 1,564,777; Dec. 8.
Mantle, Burner. C. M. Loepfe. 1,564,362; Dec. 8.
Match-box holder and cigar cutter, Combination. V. Di Figlia. 1,564,539; Dec. 8.
Material into a chamber, Introducing. P. A. Singer. 1,564,980; Dec. 8.
Matrix magazines, Device for handling and storing. H. T. Sundstrom. 1,565,034; Dec. 8.
Mattress machine. H. B. Lindsay. 1,564,868; Dec. 8.
Measuring and recording device. J. C. Wright. 1,565,136; Dec. 8.
Measuring chair. C. C. Fraser and J. A. Goss. 1,564,339; Dec. 8.
Measuring cup. A. C. Crimmel. 1,564,470; Dec. 8.
Measuring device, Distance-. O. Eppenstein. 1,564,769; Dec. 8.
Measuring instrument, Temperature-compensated electrical. R. P. Brown. 1,564,933; Dec. 8.
Measuring tapes and similar articles, Case for inclosing. J. T. Taylor. 1,564,456; Dec. 8.
Metal straightener, Strip-. S. D. Locke. 1,564,696; Dec. 8.
Metal-working machine. B. M. W. Hanson. 1,564,670; Dec. 8.
Metallic masses, Detecting the presence and approximate location of. F. S. Chapman. 1,564,940; Dec. 8
Meter: *See*—
Recording meter.
Meter. G. Vinnemeier. 1,564,649; Dec. 8.
Meter. R. P. Brown. 1,564,519; Dec. 8.
Meter pointer. F. W. Side. 1,564,633; Dec. 8.
Meters, Commutation device for. F. S. Marcellus. 1,564,877; Dec. 8.
Micrometer. O. V. Karlsson. 1,564,857; Dec. 8.
Microscope, Double-image. A. König. 1,564,418; Dec. 8.
Milk, cream, and other liquids, Holder for pasteurizing. F. W. Kelly and A. H. Luedicke. 1,564,962; Dec. 8.
Milk tank, Carbonated-. J. E. Amend. 1,564,809; Dec. 8.
Mines, Antisweeping device for. J. McGinn. 1,564,269; Dec. 8.
Mitt, Polishing. C. C. Drueding. 1,564,219; Dec. 8.
Mixer. S. H. Manning. 1,565,181; Dec. 8.
Mold. S. A. Morrow. 1,564,364; Dec. 8.
Molding apparatus, Centrifugal. W. F. Rafferty and O. Williams. 1,564,712; Dec. 8.
Monitoring system. B. W. Kendall. 1,564,357; Dec. 8.
Mop. E. J. Elias. 1,564,332; Dec. 8.
Mop. H. B. Wolfe. 1,564,991; Dec. 8.





Mop, Dust. W. E. Bonewits. 1,564,195; Dec. 8.
Mop holder. F. C. Hoffman. 1,564,675; Dec. 8.
Motor: *See*—
Hydrocarbon motor. Rotary motor.
Motor control, Door-. G. E. Oakley. 1,564,885; Dec. 8.
Motors, Constructing radiators for use in connection with internal-combustion. H. C. Mummert and W. Walt, jr. 1,565,096; Dec. 8.
Motors, Starting device for electric. R. F. E. Wiedemann. 1,565,238; Dec. 8.
Musical tones, Electrical circuits for the production of. I. B. Crandall. 1,564,209; Dec. 8.
Necktie. H. Spencer. 1,565,116; Dec. 8.
Needle and its use. F. C. Stephens. 1,564,379; Dec. 8.
Neo-arsphenamine, Manufacture of. P. A. Kober. 1,564,859; Dec. 8.
Nipple-tapping machine. C. W. Davis. 1,564,211; Dec. 8.
Nozzle for milk-can cleaners. D. A. Maanum. 1,564,598; Dec. 8.
Nozzle hanger, Hose-. L. A. Dourson. 1,565,066; Dec. 8.
Nut lock. T. F. V. McGlynn. 1,564,700; Dec. 8.
Oil and gas separator. C. J. Wolfe. 1,565,135; Dec. 8.
Oil burner. M. Herod. 1,564,571; Dec. 8.
Oil burner. H. W. Laster. 1,564,592; Dec. 8.
Oil burner. W. G. Sherman. 1,564,902; Dec. 8.
Oil burner, Vacuum. W. R. Gibson. 1,564,343; Dec. 8.
Oil can. J. J. Ritter. 1,564,275; Dec. 8.
Oil gauge. E. Davis. 1,564,535; Dec. 8.
Oil-shale retort. J. T. Pope. 1,564,271; Dec. 8.
Oils, Manufacturing lubricating. J. W. Weir. 1,564,501; Dec. 8.
Oils, Oxidizing. A. Eisenstein. 1,564,331; Dec. 8.
Open-hearth furnace. W. Dyrssen. 1,564,330; Dec. 8.
Ophthalmic temple and making the same. E. L. Schumacher. 1,564,899; Dec. 8.
Ore particles, Method and apparatus for separating. J. Weatherby. 1,564,731–2; Dec. 8.
Ores or residues containing zinc, Treatment of. S. C. Smith. 1,565,215; Dec. 8.
Ores, Treatment of argentiferous sulphide. F. E. Elmore. 1,565,072–3; Dec. 8.
Oscillation generator. J. W. Horton. 1,565,150; Dec. 8.
Oven, Electric bake. A. R. Ross. 1,564,626; Dec. 8.
Overshoe and manufacturing the same. W. MacPherson and E. W. Dunbar. 1,564,429; Dec. 8.
Oxygen container with controlled boiling rate, Liquid-. C. Mott. 1,564,612; Dec. 8.
Packer. J. M. McCawley. 1,565,175; Dec. 8.
Packer for wells and the like. R. L. McCartney. 1,564,699; Dec. 8.
Packing bench. P. P. Commander. 1,565,058; Dec. 8.
Pad: *See*—
Hat pad.
Padlock. F. E. Best. 1,564,462; Dec. 8.
Panel, Multiunit. B. Gross and R. A. Goeller. 1,564,778; Dec. 8.
Panels, Handle for slidable. M. R. Hull and C. O. Williamson. 1,564,573; Dec. 8.
Paper and envelope dispensing apparatus. F. R. Lacy. 1,564,249; Dec. 8.
Paper and other material, Feeding device for webs of. H. Humphreys. 1,564,794; Dec. 8.
Paper box and making the same, Leakproof. E. W. Labombarde. 1,565,166; Dec. 8.
Paper instrument, Commercial-. L. M. Todd and C. G. Tiefel. 1,564,724; Dec. 8.
Paper-making machine. H. G. Van Ornum. 1,564,728; Dec. 8.
Paper-pulp machines, Washer cylinder for. E. A. Peterson. 1,564,974; Dec. 8.
Paper stands, Attachment for roll-. K. Takahashi. 1,565,035; Dec. 8.
Papers, Means to assist in purging. L. H. Brown. 1,564,932; Dec. 8.
Peat bogs and the like, Method and apparatus for the working of. M. Ib Nyeboe. 1,564,430; Dec. 8.
Pen, Fountain. J. J. Vanecek. 1,564,801; Dec. 8.
Pendant. G. F. Berkander. Des. 68,948; Dec. 8.
Petroleum, Apparatus for refining. W. H. Stilson. 1,564,984; Dec. 8.
Petroleum products, Apparatus for grounding containers in the distribution of. L. D. Jurs. 1,564,855; Dec. 8.
Phonograph-case construction. D. T. Allen. 1,564,808; Dec. 8.
Phonograph-controlling mechanism. W. W. Dean 1,564,833; Dec. 8.
Phonograph having a casketlike casing. K. Stille. 1,564,640; Dec. 8.
Phonograph motors, Mounting for. C. E. Woods. 1,564,921; Dec. 8.
Phonograph starting and stopping device. L. Jurenka. 1,565,158; Dec. 8.
Photographic material, Package of wrapped. V. M. Palmer and H. M. Thomas. 1,564,707; Dec. 8.
Photographic objective. P. Rudolph. 1,565,205; Dec. 8.
Piano, Manually or mechanically operated. F. G. Lynde. 1,564,870; Dec. 8.
Piano, Mechanism for teaching. J. H. Williams. 1,564,392; Dec. 8.
Picture apparatus, Motion-. J. Tessier. 1,564,723; Dec. 8.
Picture-projecting machine, Moving-. L. Kiral. 1,565,163; Dec. 8.
Pie clamp and juice retainer. C. B. Lambert. 1,564,590; Dec. 8.
Pile-driver attachment for rock drills. C. C. Hansen. 1,564,956; Dec. 8.
Pipe: *See*—
Flexible pipe. Smoking pipe.
Smoker's pipe.
Pipe. A. Backus. 1,564,096; Dec. 8.
Pipe bender. F. Hotchner. 1,565,094; Dec. 8.
Pipe coupling. H. P. Kraft. 1,564,965; Dec. 8.
Pipe elbows, Machine for making. L. H. Purnell. 1,564,894; Dec. 8.
Pipe-thread protector. H. W. Avery. 1,564,315; Dec. 8.
Pipeless furnace. H. Lechleitner. 1,564,256; Dec. 8.
Piston. N. J. Buren. 1,565,055; Dec. 8.
Piston and packing construction. G. N. Hein. 1,564,569; Dec. 8.
Piston rings, Apparatus for making. E. H. Wehlann. 1,565,220; Dec. 8.
Planets and the like, Rail clamp for. F. E. Cardullo and H. W. Hunt. 1,565,140; Dec. 8.
Plaster board and producing same, Waterproof. C. P. Ritchie. 1,564,622; Dec. 8.
Plate or similar article. E. L. Schnepf. Des. 68,994; Dec. 8.
Plate or similar article. L. H. Bown. Des. 68,949; Dec. 8.
Platen presses, Inking apparatus for. O. Johne. 1,564,679; Dec. 8.
Platform, Dumping. W. G. Anderson. 1,564,190; Dec. 8.
Player, Pneumatic. E. R. Smith. 1,564,454; Dec. 8.
Plier lock. A. L. Ewing. 1,564,334; Dec. 8.
Plier wrench. H. W. Seiber. 1,565,210; Dec. 8.
Plows, tractors, and the like, Clawed driving wheel for motor. R. Sohner. 1,564,376; Dec. 8.
Plug, Attachment. G. B. Weber. 1,564,916; Dec. 8.
Plug, Attachment. R. B. Benjamin and C. E. Warner. 1,564,817; Dec. 8.
Pneumatic tube. G. F. Armstrong. 1,564,397; Dec. 8.
Pointograph, Copy-holding. L. T. Mathews. 1,564,879; Dec. 8.
Pool structure for bathing, Floating. E. G. Shinner. 1,564,904; Dec. 8.
Powder box, Face-. F. J. M. Miles. Des. 68,982; Dec. 8.
Power transmission, System of. A. R. Stevenson, jr. 1,565,030; Dec. 8.
Press: *See*—
Drawing press. Garment press.
Pressing machine. W. J. Beattie. 1,564,193; Dec. 8.
Pressing machine. A. B. Clisson. 1,564,756; Dec. 8.
Pressing machine, Power garment and laundry. P. N. Braun. 1,564,751; Dec. 8.
Pressure-control apparatus. J. L. Kimball. 1,564,684; Dec. 8.
Pressure-control apparatus. J. L. Kimball. 1,564,688; Dec. 8.
Pressure gauge. W. H. Kelly. 1,564,246; Dec. 8.
Pressure gauge. N. J. Taylor. 1,564,644; Dec. 8.
Pressure regulator. J. L. Kimball. 1,564,683; Dec. 8.
Printer's feed gauge. G. C. Cooper and T. A. Bailey. 1,565,059; Dec. 8.
Printing and addressing machines, Safety device for. J. S. Duncan. 1,564,221; Dec. 8.
Printing plates, Machine for shaving. C. N. Smith. 1,565,217; Dec. 8.
Printing sheets to their cylinders, Method and apparatus for applying. M. Owen. 1,565,192; Dec. 8.
Propellant powders, Preparing. C. B. Fraklin. 1,564,549; Dec. 8.
Puller: *See*—
Staple puller.
Pulley. W. J. Andrews. 1,564,399; Dec. 8.
Pulp, Producing. W. D. Gregor, W. M. Osborne, and A. J. Kemzura. 1,565,090; Dec. 8.
Pump. P. G. MacGregor. 1,564,428; Dec. 8.
Pump. W. T. Birch. 1,564,819; Dec. 8.
Pump, Oil. C. C. Barber. 1,565,044; Dec. 8.
Pump pistons, Packing ring for. E. Kibele. 1,564,484; Dec. 8.
Pump, Reciprocating. R. S. Striefling. 1,564,911; Dec. 8.
Pump rig or jack. H. Callahan. 1,564,320; Dec. 8.
Pumps for maintaining feed-line pressure a predetermined value in excess of the steam pressure, Pressure control apparatus for controlling the operation of boiler feed. J. L. Kimball. 1,564,687; Dec. 8.
Puzzle, Geometrical. J. Nierodka. 1,565,099; Dec. 8.
Pyridine from nitrocellulosic materials, Removing. L. W. Eberlin. 1,564,765; Dec. 8.
Pyrometric and other measurements, Method of and apparatus for making. T. R. Harrison and P. D. Foote. 1,565,093; Dec. 8.
Race cutter. J. Braden. 1,564,823; Dec. 8.
Radiator. H. E. Rhoads. 1,564,446; Dec. 8.
Radiator and humidifier, Combined. S. C. Wilson. 1,564,919; Dec. 8.
Radiator cap, Ornament for. G. J. Zeis. Des. 69,003; Dec. 8.
Radio signaling system. E. F. W. Alexanderson. 1,564,807; Dec. 8.
Radio coil mount. G. F. Ruzicka. 1,565,206; Dec. 8.
Radiodoll. B. L. Henry. 1,565,145; Dec. 8.
Radiohorn. M. S. Matthews. Des. 68,980; Dec. 8.
Radiohorn. W. J. Polydoroff. Des. 68,985; Dec. 8.

Rail joint. C. E. Elliott. 1,564,544; Dec. 8.
Rail joint. S. Porte. 1,565,197; Dec. 8.
Railway-switch. H. G. Johnston. 1,564,244; Dec. 8.
Railway vehicle. L. R. Foreman. 1,565,079; Dec. 8.
Ranges, Attachment for gas. J. E. Walter. 1,564,298; Dec. 8.
Ranges, Safety device for gas. G. E. Pickup. 1,564,441; Dec. 8.
Ratchet wrench. C. L. Ericson and W. Roberts. 1,564,858; Dec. 8.
Razor-blade holder. D. P. Moon. 1,565,186; Dec. 8.
Razor strop. F. M. Burditt. 1,564,404; Dec. 8.
Razors, Container for double-edged safety. J. Holtzman. 1,564,959; Dec. 8.
Reamer, Expansion. C. E. Hocking. 1,564,673; Dec. 8.
Receiver shunt. A. B. Clark and G. Crisson. 1,564,203; Dec. 8.
Receptacle, Folding. J. L. Shroyer. 1,564,796; Dec. 8.
Reciprocating mechanism. E. Gauthier. 1,565,089; Dec. 8.
Recording instrument. F. W. Side. 1,564,634; Dec. 8.
Recording instrument. G. W. Grisdale. 1,564,558–60; Dec. 8.
Recording meter. R. P. Brown. 1,564,518; Dec. 8.
Refrigerating apparatus. W. W. Odell and C. W. Seibel. 1,564,705; Dec. 8.
Refrigerating machine, Absorption. E. Rumpler and H. Richter. 1,565,231; Dec. 8.
Refrigeration, Apparatus for. B. B. Holmes. 1,564,242; Dec. 8.
Refrigerator door. L. G. Copeman. 1,564,948; Dec. 8.
Register: *See*—
Fare register.
Regulator: *See*—
Damper regulator. Irrigation regulator.
Field regulator. Pressure regulator.
Regulator. J. L. Kimball. 1,564,682; Dec. 8.
Regulator. J. L. Kimball. 1,564,686; Dec. 8.
Resilient wheel. W. A. Carns. 1,564,754; Dec. 8.
Reversal process. J. G. Capstaff. 1,564,753; Dec. 8.
Riddle. F. Henkel. 1,564,570; Dec. 8.
Ring. R. Winberg. Des. 69,002; Dec. 8.
Ring for containers, Resilient reenforcing. A. Mauser. 1,564,880; Dec. 8.
Road drag. T. E. Sheridan. 1,564,368; Dec. 8.
Road-surfacing machine. C. Kelnhofer. 1,564,577; Dec. 8.
Rock drill, Dustless. C. C. Hansen. 1,564,780; Dec. 8.
Roller side bearing. A. Stucki. 1,564,380; Dec. 8.
Rolling mills, Driving means for the idle rolls of. R. Hein. 1,564,347; Dec. 8.
Roost, Sanitary chicken. W. F. Christopher. 1,564,324; Dec. 8.
Rope-thrusting shovel. R. S. Hoar. 1,564,791; Dec. 8.
Rotary motor. A. J. Williams. 1,565,133; Dec. 8.
Rotary motor. B. E. Smith. 1,564,286; Dec. 8.
Roundabout affecting the shape of a giant top. E. Prost. 1,564,273; Dec. 8.
Rubber and products obtained thereby, Vulcanizing. S. M. Cadwell. 1,564,824–5; Dec. 8.
Rubber articles, Dies for and method of forming hollow. J. H. Overton. 1,564,366; Dec. 8.
Rubber articles, Molding. F. C. Jones. 1,564,310; Dec. 8.
Rug-cleaning machine. P. J. Shampay. 1,564,453; Dec. 8.
Rust, Process and product for preventing. B. D. Avis. 1,565,043; Dec. 8.
Sack tongs. C. A. Messinger. 1,564,436; Dec. 8.
Sadirons, Automatic stand for. W. B. Brolin. 1,564,517; Dec. 8.
Saddle, Cycle. J. T. Sentrop, jr. 1,564,978; Dec. 8.
Safes, Contents-preserving device for. W. H. Hill. 1,564,348; Dec. 8.
Safety hook. J. Schwartz. 1,564,900; Dec. 8.
Safety mechanism. T. and D. Stenhouse. 1,564,497; Dec. 8.
Safety switch. J. F. Burns. 1,565,006; Dec. 8.
Sales subscriptions, etc. Device for recording. W. M. Baker. 1,564,997; Dec. 8.
Salt and pepper shaker. W. M. Fischbach. 1,564,336; Dec. 8.
Sandslinger machine. A. Loughran. 1,564,258; Dec. 8.
Sanitary napkin or the like. E. B. Thomas. 1,564,498; Dec. 8.
Sash adjuster and fastener. J. D. Gardner. 1,564,844; Dec. 8.
Sausage-forming machine. F. Kruse. 1,564,588; Dec. 8.
Savings bank. S. Rosenthal. 1,564,493; Dec. 8.
Saw guide. L. Roget. 1,564,448; Dec. 8.
Scale, Advertising. S. G. Crane. 1,564,831; Dec. 8.
Scale, Automatic. C. R. Herman. 1,565,146; Dec. 8.
Scale, Counting. C. H. Hapgood. 1564,845; Dec. 8.
Scale, Weighing. H. O. Hem. 1,564,847; Dec. 8.
Scale, Weighing. R. von Frommer. 1,565,126; Dec. 8.
Scissors, Power-operated. W. L. Hoffman. 1,565,148; Dec. 8.
Scraping tool. J. R. Kilmartin. 1,564,247; Dec. 8.
Screen: *See*—
Traveling screen. Window screen.
Screening device. A. A. Newnham. 1,564,365; Dec. 8.
Screens, Producing water-insoluble multicolored. J. H. Christensen. 1,564,202; Dec. 8.
Screw conveyer. J. J. Armstrong and R. S. Woodford. 1,564,926; Dec. 8.
Screw dies made in two parts with four chasers or cutting edges, Manufacturing back-cut. A. Lansche. 1,564,591; Dec. 8.
Screw terminal End. H. E. Walker. 1,564,802; Dec. 8.
Scrubbing machines, Brush head for rotary. W. S. Finnell. 1,564,226; Dec. 8.
Seal for leading-in wires. O. Kruh and E. Wolf. 1,564,690; Dec. 8.
Seat: *See*—
Car seat. Vehicle seat.
Seed grain, Treating. A. Schmidt, A. Steindorff, A Fluss, and O. Schaffrath. 1,565,237; Dec. 8.
Separator: *See*—
Centrifugal separator. Oil and gas separator.
Sewing machines, Thread-trimming device for. J. Klewicz. 1,565,159–60; Dec. 8.
Shade and curtain fixture, Combined. W. S. Cutting. 1,564,328; Dec. 8.
Shade and curtain-rod holder, Self-clamping and self-adjusting window-. V. E. Trager. 1,565,123; Dec. 8.
Shade bracket. W. H. Ramsey. 1,564,623; Dec. 8.
Shade-fastening device, Roller-. F. L. Wood. 1,564,992; Dec. 8.
Shaft coupling and resilient suspension. B. F. Seymour. 1,565,211; Dec. 8.
Sharpener for pencils, crayons, and the like. C. Holenstein. 1,565,149; Dec. 8.
Shell for inductive high-tension apparatus consisting of annular insulating members. H. K. Gründig. 1,564,561; Dec. 8.
Sheet gripper. C. W. Harrold. 1,564,309; Dec. 8.
Shield plate, dial, and vernier, Combined. C. J. Henschel. 1,564,672; Dec. 8.
Shields, Fastening device for. H. Hoisington. 1,564,415; Dec. 8.
Ship construction. E. M. S. Rowson. 1,565,204; Dec. 8.
Ships, Apparatus for unloading. T. Levasseur. 1,564,795; Dec. 8.
Ships, Hydraulic conveyer adapted for unloading. C. C. West. 1,564,805; Dec. 8.
Shock absorber. E. Flentje. 1,564,227; Dec. 8.
Shock absorber. E. L. Leinbach. 1,564,864–5; Dec. 8.
Shock absorber. R. L. Goodfellow. 1,564,556; Dec. 8.
Shock-absorber connection. R. M. Lovejoy. 1,564,869; Dec. 8.
Shock-absorbing spring. E. E. Welsh. 1,564,299; Dec. 8.
Shoe. B. A. Mason. 1,564,878; Dec. 8.
Shoe. M. Jacob. 1,565,010; Dec. 8.
Shoe-bottom linings, Cementing machine for. C. H. Bowlen. 1,565,004; Dec. 8.
Shoe-shining stand. C. J. Geiser. Re16,221; Dec. 8.
Shoe, Sporting. D. J. Golden. 1,564,232; Dec. 8.
Shoes, Creeper attachment for. A. Fereo and A. Matizza. 1,564,307; Dec. 8.
Shore. A. H. Simons. 1,564,642–3; Dec. 8.
Shovel: *See*—
Rope-thrusting shovel.
Shovel and scoop blade. J. S. Surbaugh. 1,564,720; Dec. 8.
Shuttle, Automatically-threading. W. I. Stimpson. 1,564,910; Dec. 8.
Shuttles, Tension device for. C. F. Moore. 1,565,187; Dec. 8.
Sifter. C. M. Stanton. 1,564,638; Dec. 8.
Sifter. S. H. Frazier. 1,565,081; Dec. 8.
Sifter, Blast. E. L. H. Bauermeister. 1,564,508; Dec. 8.
Sifting fine material, Apparatus for. G. Roth. 1,565,236; Dec. 8.
Signal: *See*—
Automobile signal.
Signal, Automatic mail-box. M. Fanders. 1,564,305; Dec. 8.
Signal standard, Traffic-. C. A. B. Halvorson, jr. Des. 68,965; Dec. 8.
Signaling device. M. V. Koudriavzeff and H. Romanoff. 1,564,583; Dec. 8.
Signaling system. R. S. Wilbur. 1,565,131; Dec. 8.
Signaling system, Carrier-. J. S. Jammer. 1,565,155; Dec. 8.
Signpost. W. F. Moody. 1,564,263; Dec. 8.
Silk shreds, Treatment of. V. Piana. 1,565,196; Dec. 8.
Silo or bin for the storage of grain or the like. W. and W. R. Thompson. 1,565,121; Dec. 8.
Silver, Composition for cleaning and polishing. C. M. Hemen. 1,564,786; Dec. 8.
Siphon. R. Saa. 1,564,630; Dec. 8.
Ski binding. W. F. Reach. 1,565,106; Dec. 8.
Slack-take-up and brake-release mechanism. C. H. Read. 1,564,445; Dec. 8.
Sleigh, Dirigible. A. Largilliere. 1,564,692; Dec. 8.
Slicing machine. W. B. Wolff. 1,564,459; Dec. 8.
Slipper, Dancing. E. Hopkins. 1,564,676; Dec. 8.
Slipper, Toe. G. Meier. 1,564,607; Dec. 8.
Smoker stands or similar article, Base for. L. H. Burlin. Des. 68,951; Dec. 8.
Smokers' appliances, Illuminating means for. G. Lyeso. 1,565,173; Dec. 8.
Smoker's pipe. E. van de Voorde. 1,564,500; Dec. 8.
Smoking pipe. H. W. Kloppman. 1,564,858; Dec. 8.
Snow removing and destroying apparatus. R. H. Scroggins. 1,564,901; Dec. 8.





Soap for binding and waterproofing paving and building materials, Producing a binding and waterproofing bituminous. L. S. van Westrum. 1,565,125; Dec. 8.
Solder. J. B. Speed and A. H. Falk. 1,565,115; Dec. 8.
Sound-reproducing device. N. A. Kurman. 1,564,968; Dec. 8.
Sounds, Method and apparatus for comparing. D. MacKenzie. 1,565,177; Dec. 8.
Sounds photographically recorded on a film, Apparatus for reproducing. S. Ason Berglund. 1,564,509; Dec. 8.
Spark plug. J. M. Thomas. 1,564,645; Dec. 8.
Spark-plug-cooling device. E. T. Curran. 1,564,950; Dec. 8.
Spinning machines, Ring traveler and mounting therefor for. F. D. Bennett and W. A. Kosken. 1,564,749; Dec. 8.
Spout, Pouring. W. Neil. 1,564,489; Dec. 8.
Spray head, Self-cleaning. J. F. Kirgan. 1,564,963; Dec. 8.
Sprayer, Cotton. W. F. Hester. 1,564,572; Dec. 8.
Spring: *See*—
Shock-absorbing spring.
Spring structure. M. R. Mangan. 1,564,601; Dec. 8.
Sprinkler. G. Buelna and H. E. J. Vacher. 1,564,934; Dec. 8.
Sprinkler head. J. Kreiziger. 1,564,587; Dec. 8.
Springs, Shackle for. W. L. Holloway. 1,564,416; Dec. 8.
Stacking machine. M. M. Fulton. 1,564,843; Dec. 8.
Stage, Theatrical. W. E. Price. 1,564,272; Dec. 8.
Stand: *See*—
Display stand. Shoe-shining stand.
Staple puller. J. A. Peterson. 1,565,102; Dec. 8.
Stapling machines and the like, Cushion cap for. R. H. Heyn. 1,564,957; Dec. 8.
Starch products, Manufacture of soluble. R. Haller. 1,564,955; Dec. 8.
Starch products, Manufacturing. P. A. Singer. 1,564,979; Dec. 8.
Steam boiler, Electrically-heated. C. W. Campbell. 1,564,322; Dec. 8.
Steam generation. J. Ruths. 1,564,716; Dec. 8.
Steel heating boiler. F. J. Flajole. 1,564,475; Dec. 8.
Steel retainer. W. Prellwitz. 1,564,975; Dec. 8.
Steering gear attachment. G. Flemister. 1,564,662; Dec. 8.
Steering-wheel attachment. T. W. Moore. 1,564,608; Dec. 8.
Stencil, Lip. S. Wieder. 1,564,806; Dec. 8.
Stereotype plate or nickel-plated printing plate and making the same, Electroplated. C. N. Smith. 1,565,216; Dec. 8.
Sterilizing device. T. C. Barrett. 1,564,748; Dec. 8.
Still. P. Young. 1,564,312; Dec. 8.
Stocking, Knitted. R. Hinchliff. 1,564,790; Dec. 8.
Stoker elevator. N. M. Lower. 1,565,018; Dec. 8.
Stoker, Mechanical. R. A. Foresman. 1,564,229; Dec. 8.
Stoker, Traveling or chain grate. H. Galle. 1,565,087; Dec. 8.
Stopcock shield. S. Rolland. 1,564,277; Dec. 8.
Storage battery. E. C. Clifford. 1,564,530; Dec. 8.
Storage battery. R. B. Owen. 1,565,193; Dec. 8.
Store-front construction. F. and I. Himmel. 1,564,789; Dec. 8.
Stores, Gate construction for. J. Cytron. 1,564,534; Dec. 8.
Stove, Heating. G. F. Reznor. Des. 68,987; Dec. 8.
Strap: *See*—
Fixture strap. Wrist-watch strap.
Street pavements, Apparatus for heating. C. T. Denker. 1,564,213; Dec. 8.
String clasp. H. R. Bensch. 1,565,045; Dec. 8.
Support. A. C. Mabee and D. H. Sweet. 1,564,873; Dec. 8.
Surface plate and piston aligners, Combination. F. Hoerner. 1,565,230; Dec. 8.
Surgical catgut thread. A. L. Sorel. 1,564,983; Dec. 8.
Suspenders. F. C. Simmons. 1,564,905; Dec. 8.
Switch: *See*—
Electric switch. Railway switch.
Electrically-operated switch. Safety switch.
Telephone switch.
Switch. R. B. Benjamin. 1,564,818; Dec. 8.
Switch and the like. M. C. Garlick. 1,564,340; Dec. 8.
Switches, Knob for snap. F. P. Gates. 1,564,550; Dec. 8.
Swivel mandrel. T. T. King. 1,565,014; Dec. 8.
Table: *See*—
Drafting table. Folding table.
Tag and holder, Laundry. J. H. Lynch. 1,564,425; Dec. 8.
Tandem attachment. J. Lake, jr. 1,565,016; Dec. 8.
Tank: *See*—
Milk tank.
Tank. C. A. Xardell. 1,564,658; Dec. 8.
Tank cleaner, Dirt-. O. G. Abrens. 1,564,187; Dec. 8.
Tanks, Static eliminator for vehicle. C. C. Anthony. 1,564,925; Dec. 8.
Target trap. P. North. 1,564,884; Dec. 8.
Telegraph printer. E. E. Kleinschmidt. 1,565,165; Dec. 8.
Telegraph, printing. E. E. Kleinschmidt. 1,564,421; Dec. 8.
Telegraph signals, Modulating apparatus for. L. Espenschied. 1,564,224; Dec. 8.
Telegraphy, Printing. E. E. Kleinschmidt. 1,564,422; Dec. 8.
Telephone apparatus. S. F. Smith. 1,564,290; Dec. 8.
Telephone-exchange system. E. E. Clement. 1,564,325; Dec. 8.
Telephone-repeater monitoring system. R. S. Wilbur. 1,564,391; Dec. 8.
Telephone switch. H. W. Goff. 1,564,231; Dec. 8.
Telephone system, Automatic. T. G. Martin. 1,564,487; Dec. 8.
Telephone system, Self-acting. E. A. Faller. 1,565,235; Dec. 8.
Temperature-control device. H. E. Warren. 1,564,804; Dec. 8.
Tension device. J. G. Allen. 1,564,995; Dec. 8.
Terminal and making same, Attachment. A. B. Colby. 1,564,944; Dec. 8.
Terminal clip. W. W. Dalker. 1,564,761; Dec. 8.
Testing apparatus. W. M. Brown. 1,564,197; Dec. 8.
Testing circuits. H. Fletcher. 1,564,228; Dec. 8.
Textile fabric. L. E. Ellis. Des. 68,955; Dec. 8.
Textile materials, Apparatus for treating. W. L. Conrad. 1,564,468; Dec. 8.
Textiles with liquid and gases, Centrifugal machine for treating. H. Wolfer. 1,564,503; Dec. 8.
Therapeutic treatment, Apparatus for. T. R. N. Gerdes. 1,564,552; Dec. 8.
Thermostatic control device. H. T. Woolson. 1,564,504; Dec. 8.
Thrashing machine. J. L. Fitzgerald, sr. 1,565,078; Dec. 8.
Thrashing machines, Weed screen for. N. R. Krause. 1,564,585; Dec. 8.
Throttle control, Automatic. A. Nutt and A. Moses. 1,565,100; Dec. 8.
Tile-making machine, Automatic. V. Wikkula. 1,564,311; Dec. 8.
Tiles, Making handmade mission-roof. R. F. Angulo. 1,564,810; Dec. 8.
Tire. P. W. Litchfield. Des. 68,978; Dec. 8.
Tire covers or casings, Machine for making pneumatic-. C. Macbeth. 1,565,176; Dec. 8.
Tire, Demountable. S. N. Parker. 1,564,891; Dec. 8.
Tire-gauge instrument. E. Letzring and W. Skjerven. 1,564,695; Dec. 8.
Tire protector. L. P. C. Lotte. 1,565,172; Dec. 8.
Tire-removing mechanism. C. Staugaard. 1,564,496; Dec. 8.
Tire-rim tool. T. F. May and D. C. Perry. 1,564,703; Dec. 8.
Picture titles, Preparing motion-. L. H. Stanford. 1,564,291; Dec. 8.
Tool. E. L. Petzing. 1,564,618; Dec. 8.
Tool. W. Horsman. 1,564,960; Dec. 8.
Tool, Combination. S. Zaokipny. 1,565,137; Dec. 8.
Tool, Portable power-driven. J. J. Gebhardt and O. P. Wodack. 1,564,342; Dec. 8.
Tools, Supporting means for. W. L. Bessolo. 1,564,511; Dec. 8.
Torch tip. C. A. Miller. 1,564,363; Dec. 8.
Torches, Trammel for cutting. M. J. Smith. 1,564,636; Dec. 8.
Torpedo, Railway signal. F. Dutcher. 1,565,067; Dec. 8.
Towel cabinet. G. A. Steiner. 1,564,292; Dec. 8.
Toy. J. A. Jenson. 1,564,352; Dec. 8.
Toy, Animated. W. W. Harris. 1,564,785; Dec. 8.
Toy cooking stove, Electric. W. Schwarzenhauer. 1,565,209; Dec. 8.
Toy, Figure. H. C. Hodgkins. 1,564,674; Dec. 8.
Toy phone. H. D. Allen. 1,565,222; Dec. 8.
Toy telephone. G. A. West. 1,565,221; Dec. 8.
Toy railway signaling system. W. E. Thorn. 1,564,912; Dec. 8.
Toy railway tracks, Guard-rail structure for. W. M. Fischbach. 1,564,337; Dec. 8.
Tractar. S. B. Winn. 1,564,739–40; Dec. 8.
Trailer, Camping. W. A. Lippman. 1,564,257; Dec. 8.
Transformer frame. R. V. Bingay. 1,564,512; Dec. 8.
Transmission of angular motion, System for the. L. E. Hildebrand. 1,564,788; Dec. 6.
Trap: *See*—
Burglar trap. Vermin trap.
Target trap.
Traveling screen. B. Schroeder. 1,564,451; Dec. 8.
Tray, Egg. H. G. Dotterer. 1,564,217; Dec. 8.
Trolley retriever. A. C. Van Hooydonk. 1,564,727; Dec. 8.
Trough support, Resilient. N. M. Lower. 1,565,017; Dec. 8.
Trucks, Automatic coupler for industrial. W. H. Sommer. 1,565,112; Dec. 8.
Try-square, miter square, and compass, Combination. S. O. Thorell. 1,564,381; Dec. 8.
Tube: *See*—
Pneumatic tube.
Tube guide, Water-. G. W. Hulshizer. 1,564,793; Dec. 8.
Tube holder, Collapsible-. C. A. Perkins. 1,564,440; Dec. 8.
Tubes used for conducting liquids and fluids, Swivel joint for. W. P. McCandless. 1,564,485; Dec. 8.
Tumbler or similar article. D. M. Smith. Des. 68,997–8; Dec. 8.
Turbine exciter sets, Control system for three-unit. E. G. Dudley. 1,564,836; Dec. 8.

Turntable. J. S. Clay. 1,564,827; Dec. 8.
Turntables, Roller bearing for. H. O. Bedgood. 1,564,928; Dec. 8.
Typesetting machines, Multiple-magazine-changing device for changing split magazines on. H. T. Sundstrom. 1,565,033; Dec. 8.
Typewriter frame. B. J. Dowd. Des. 68,954; Dec. 8.
Typewriter frame. E. B. Hess. Des. 68,967; Dec. 8.
Typewriter frame. L. C. Myers. Des. 68,984; Dec. 8.
Typewriters, Attachment for. E. M. Cooper. 1,564,757; Dec. 8.
Typewriters, Envelope feed and delivery attachment for. L. M. Campbell. 1,564,937; Dec. 8.
Typewriters, Mechanism for moving and adjusting forms in. H. van Duyl. 1,564,913; Dec. 8.
Typewriting machine carriage construction. J. Alexander. 1,564,744; Dec. 8.
Typewriting machine. F. Becker. 1,564,316; Dec. 8.
Typewriting machine. C. U. Carpenter. 1,564,200; Dec. 8.
Typewriting machine. S. Collins. 1,564,326; Dec. 8.
Typewriting machine. C. B. Corcoran. 1,565,141; Dec. 8.
Typewriting machine. C. M. Crews. 1,564,407–8; Dec. 8.
Typewriting machine. W. A. Dobson. 1,564,329; Dec. 8.
Typewriting machine. J. S. Hexter. 1,564,787; Dec. 8.
Typewriting machine. A. G. F. Kurowski. 1,564,861; Dec. 8.
Typewriting machine. J. Waldheim. 1,565,127–8; Dec. 8.
Typewriting machine. A. E. Zugelter. 1,564,922; Dec. 8.
Typewriting-machine cushioning foot. M. C. Crawley. 1,564,758; Dec. 8.
Vacuum insulator and its assembly. W. G. Houskeeper. 1,565,152; Dec. 8.
Vacuum tubes, Making cores for cathodes of. H. T. Reeve. 1,565,200; Dec. 8.
Valve. H. L. Harbaugh. 1,564,846; Dec. 8.
Valve, Basket-ball. G. M. Riley. 1,564,624; Dec. 8.
Valve-control mechanism. H. R. Cunningham. 1,564,533; Dec. 8.
Valve-controlling means. K. J. E. Hesselman. 1,564,849; Dec. 8.
Valve, Differential plunger. C. W. Larner. 1,564,252; Dec. 8.
Valve, Float. A. R. Earnshaw. 1,564,764; Dec. 8.
Valve-mechanism, Gate-. G. H. Harris. 1,564,236; Dec. 8.
Valve-operating mechanism. W. E. Concannon. 1,564,531; Dec. 8.
Valves, Device for operating gate. A. Bottner. 1,565,051; Dec. 8.
Vehicle. I. H. Athey and A. R. Schwarzkopf. 1,564,461; Dec. 8.
Vehicle, Child's. E. M. Mayer. 1,565,023. Dec. 8.
Vehicle, Child's wheeled. J. W. Ford. 1,564,548; Dec. 8.
Vehicle controlling system, Automatic. E. C. Sasnett. 1,564,898; Dec. 8.
Vehicle dump. A. P. Winter. 1,564,920; Dec. 8.
Vehicle fender. J. Podmajersky. 1,564,620; Dec. 8.
Vehicle hood fixture. M. B. Lloyd. 1,564,969; Dec. 8.
Vehicle seat. G. N. Brunker and H. A. Woodland. 1,565,054; Dec. 8.
Vehicle, Self-propelled. S. E. Alley. 1,564,505; Dec. 8.
Vehicle top, Noncollapsible. E. H. Wadsworth. 1,564,650; Dec. 8.
Vehicle wheel. J. M. Lindmark. 1,564,867; Dec. 8.
Vehicles, Bumper for motor. C. G. Ross. 1,564,278–9; Dec. 8.
Vehicles, Locking device for motor. A. Dumas. 1,564,220; Dec. 8.
Vehicles, Signal for motor. T. E. Ogram. 1,564,614; Dec. 8.
Vehicles, Spring support for motor. W. F. Hudson. 1,564,792; Dec. 8.
Vehicles, Supplementary traction device for motor. V. P. and M. S. F. Williams. 1,565,134; Dec. 8.
Vending machine. E. N. Dinwiddie. 1,564,540; Dec. 8.
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Vending machine, Coin-controlled. G. H. Simpkins. 1,565,213; Dec. 8.
Vending machine, Coin-controlled. G. S. Varcoe. 1,564,383; Dec. 8.
Vending stand. Confectionery-. G. B. McInroy. Des. 68,981; Dec. 8.
Veneer work, Forming and applying bent-. W. J. Herschede and W. Eberhardt. 1,564,848; Dec. 8.
Ventilator: *See*—
Cowl ventilator.
Ventilator closure, Nonvibratory. M. Frankle. 1,564,412; Dec. 8.
Vermin trap. L. A. Sauer. 1,564,976; Dec. 8.
Vibrator, Electric. J. O. Cadieux. 1,564,525; Dec. 8.
Violins, Bridge for diaphragm. G. D. Bothwell. 1,564,402; Dec. 8.
Viscosimeter. P. J. Thomas. 1,565,119; Dec. 8.
Viscosity characteristics of nitrocellulose, Reducing the. N. S. Kocher and V. E. Kimmel. 1,564,689; Dec. 8.
Voting and the like machines, Recording mechanism for. J. S. Baker. 1,564,814; Dec. 8.
Vulcanizing articles, Process and apparatus for. J. L. G. Dykes. 1,564,473; Dec. 8.
Wagon stake. V. F. Bozeman and C. E. Johnson. 1,565,053; Dec. 8.
Wall-board composition. J. W. Oelhafen. 1,564,706; Dec. 8.
Wall-board fastener. M. S. Stanbro. 1,564,455; Dec. 8.
Wall bracket, Adjustable. J. L. Riley. 1,565,108; Dec. 8.
Walls and using same, Pattern for marking. H. G. Kennedy. 1,564,578; Dec. 8.
Warp beams, Tension mechanism for. T. Mounsey and R. Bagwell. 1,564,610; Dec. 8.
Wash-line support. H. Sjöblom. 1,564,370; Dec. 8.
Washing and wringing machine. C. A. Xardell. 1,564,659; Dec. 8.
Washing machine. M. E. Daly and J. H. Taylor. 1,564,472; Dec. 8.
Washing machine. G. E. Randles. 1,565,104; Dec. 8.
Washing machine, Clothes-. L. E. Culver. 1,564,760; Dec. 8.
Washing machines, Attachment for. D. R. Matthews. 1,564,605; Dec. 8.
Washing machines, Lubricating system for. G. E. Randles. 1,565,103; Dec. 8.
Washing machines, Motor support for. C. A. Olson. 1,565,101; Dec. 8.
Watches, Attaching device for. D. R. Morgan. 1,565,188; Dec. 8.
Water-filtering device. W. H. Berntsen. 1,565,233; Dec. 8.
Water fountain. J. V. Hjertberg. 1,564,350; Dec. 8.
Water gauge. H. Jordan. 1,565,013; Dec. 8.
Water heater. W. R. Powers. 1,564,621; Dec. 8.
Water heater, Electrically-controlled gas. H. W. Christian. 1,564,405; Dec. 8.
Water-tube boiler. M. A. Lawson. 1,565,169; Dec. 8.
Water wheel. M. L. Martin. 1,564,604; Dec. 8.
Wave energy, System for location of a source of. P. I. Wold. 1,564,303; Dec. 8.
Wave-transmission system. E. V. Griggs. 1,565,091; Dec. 8.
Webs in correct register, Apparatus for feeding. W. Rose. 1,565,109; Dec. 8.
Wedding ring. N. Lidzbarsky. Des. 68,977; Dec. 8.
Wedding ring, Bowknot. F. P. Kinsley. Des. 68,970; Dec. 8.
Wedding ring, Rosary. A. Sager. Des. 68,993; Dec. 8.
Weeder. E. A. Smith. 1,564,373; Dec. 8.
Weighing device, Automatic. J. B. Van Deren. 1,564,847; Dec. 8.
Weighing mechanism, Automatic. J. W. Wesley. 1,564,387; Dec. 8.
Weighing-machine case. W. Kraatz. Des. 68,975; Dec. 8.
Weighing-machine case. P. Seitz. Des. 68,995; Dec. 8.
Welding apparatus, Electric. G. H. Phelps. 1,564,892; Dec. 8.
Well walking beams, Connection rod for oil-. W. F. Reschke. 1,564,367; Dec. 8.
Welt, Finishing. R. C. Schemmel. 1,565,208; Dec. 8.
Welting, Machine for operating on. F. N. La Chapelle. 1,564,862; Dec. 8.
Wheel: *See*—
Disk wheel. Vehicle wheel.
Resilient wheel. Water wheel.
Wheels, Manufacture of. A. W. Jones. 1,565,012; Dec. 8.
Wheels or pulleys on axles or shafts, Mounting. C. H. Clare. 1,564,941; Dec. 8.
Winch. D. Jacques. 1,564,417; Dec. 8.
Winding machine. M. B. Grout. 1,564,478–80; Dec. 8.
Window construction. P. Alderfer and T. F. Clements. 1,565,138; Dec. 8.
Window screen. R. L. Austin and C. H. Gall. 1,564,191; Dec. 8.
Window screen. H. R. Ellis. Re. 16,222; Dec. 8.
Windshield cleaner. L. Blackmore. 1,564,514; Dec. 8.
Windshield clearer. S. C. Wolfe. 1,564,304; Dec. 8.
Windshield heater. H. S. Bergdoll. 1,565,046; Dec. 8.
Wire frame. H. Chamandy. 1,564,323; Dec. 8.
Wire stretcher. J. B. Doerr. 1,565,065; Dec. 8.
Wireless systems, Detector for. R. T. St. James. 1,564,641; Dec. 8.
Wireless telegraph and telephone transmission. H. J. Round. 1,564,627; Dec. 8.
Wool waste and grease, Mixing. F. C. Fants and E. G. Rathbone. 1,564,306; Dec. 8.
Worm-gear reduction unit. G. H. Acker. 1,564,742; Dec. 8.
Wrench: *See*—
Plier wrench. Ratchet wrench.
Wrench. C. L. Dunlap. 1,564,222; Dec. 8.
Wrench. J. H. Fones. 1,564,411; Dec. 8.
Wringer: *See*—
Clothes wringer.
Wrist-watch strap. C. A. Mealy. 1,564,606; Dec. 8.
X-ray film and screen holder and pouch, Intraoral. M. Peyser. 1,564,269; Dec. 8.


# CLASSIFICATION OF PATENTS

## DECEMBER 8, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

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152— 2: 1,565,095
13: 1,564,397

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 152— | 14: | 1,565,050 | 179— | 27: | 1,564,325 | 200— | 87: | 1,565,238 | 220— | 63: | 1,564,809 | 249— | 63: | 1,565,146 | 273— | 95: | 1,564,841 |
| | 23: | 1,564,891 | | 27.5: | 1,564,231 | | 131: | 1,564,206 | | 69: | 1,564,658 | 250— | 1: | 1,564,940 | | 101: | 1,564,863 |
| | 29: | 1,564,754 | | 100.1: | 1,564,509 | | 135: | 1,564,335 | | 73: | 1,564,880 | | 6: | 1,564,627 | | 101: | 1,564,597 |
| 153— | 40: | 1,565,192 | | 107: | 1,564,714 | | 152: | 1,564,840 | 221— | 11: | 1,564,853 | | 19: | 1,564,807 | | 130: | 1,564,746 |
| | 54: | 1,564,696 | | 108: | 1,564,968 | | 159: | 1,564,818 | | 26: | 1,564,535 | | 27: | 1,564,641 | | 134: | 1,564,458 |
| | 63: | 1,565,001 | | 150: | 1,564,873 | | 168: | 1,564,321 | | 28: | 1,564,499 | | | 1,564,694 | | 137: | 1,564,443 |
| | 73: | 1,565,015 | | 170: | 1,564,266 | | 172: | 1,564,550 | | 56: | 1,564,275 | | | 1,564,851 | | 139: | 1,564,997 |
| | | 1,565,061 | | | 1,564,391 | 201— | 48: | 1,564,938 | | 60: | 1,564,440 | | | 1,564,852 | | 157: | 1,565,099 |
| | | 1,565,063 | | 175: | 1,564,203 | | 50: | 1,564,939 | | 80: | 1,564,617 | | | 1,565,151 | 274— | 2: | 1,564,640 |
| 154— | 1: | 1,565,008 | | | 1,564,228 | 202— | 8: | 1,564,730 | | 100: | 1,564,575 | | | 1,565,152 | | | 1,564,808 |
| | | 1,565,009 | | | 1,564,259 | | 14: | 1,564,271 | 223— | 55: | 1,564,193 | | | 1,565,200 | 277— | 27: | 1,564,280 |
| | 2: | 1,564,625 | | | 1,565,177 | 204— | 1: | 1,564,413 | 224— | 4: | 1,564,881 | | 34: | 1,564,269 | | 33: | 1,564,726 |
| | 10: | 1,565,176 | | 179: | 1,564,763 | | | 1,564,414 | | 29: | 1,564,608 | | | 1,564,344 | | 50: | 1,564,777 |
| | 50: | 1,564,774 | | 185: | 1,564,748 | | 6: | 1,565,216 | | | 1,564,778 | | 36: | 1,564,209 | | 69: | 1,564,856 |
| 155— | 50: | 1,565,054 | 180— | 1: | 1,565,134 | | 7: | 1,564,710 | | | 1,564,989 | | | 1,565,092 | 279— | 33: | 1,564,709 |
| | 101: | 1,564,401 | | 3: | 1,564,692 | | 14: | 1,564,581 | 229— | 34: | 1,565,169 | | | 1,565,150 | | 71: | 1,565,227 |
| | 128: | 1,565,214 | | 69: | 1,564,929 | | 58: | 1,564,406 | | 92.7: | 1,565,179 | | | 1,565,157 | 280— | 6: | 1,564,582 |
| | 184: | 1,565,208 | | 73: | 1,564,733 | | 64: | 1,564,235 | 230— | 5: | 1,564,882 | | 40: | 1,564,672 | | 33.9: | 1,564,961 |
| 156— | 14: | 1,564,191 | | 85: | 1,564,739 | | | 1,564,302 | | 6: | 1,565,029 | | 41: | 1,565,088 | | 33.15: | 1,565,112 |
| | 21: | 1,564,301 | | 88: | 1,564,792 | | | 1,564,800 | | 13: | 1,564,287 | 251— | 71: | 1,564,236 | | 94: | 1,564,662 |
| | 22: | 1,564,747 | 181— | 23: | 1,564,474 | 206— | 44: | 1,564,250 | | | 1,564,288 | | 91: | 1,564,846 | | 106.5: | 1,564,740 |
| | 23: | 1,565,123 | | 29: | 1,565,222 | | 46: | 1,564,707 | | 27: | 1,564,911 | | 121: | 1,564,507 | | 124: | 1,564,653 |
| | 24: | 1,564,328 | 183— | 2.7: | 1,565,135 | | 56: | 1,565,142 | | 33: | 1,565,020 | | | 1,564,624 | | 147: | 1,565,053 |
| | | 1,564,623 | | 22: | 1,564,949 | 208— | 24: | 1,565,016 | 232— | 35: | 1,564,305 | 252— | 2: | 1,564,433 | 281— | 21: | 1,564,482 |
| | 25: | 1,564,992 | | 106: | 1,564,346 | | 36: | 1,564,548 | | 40: | 1,565,144 | | 3: | 1,565,129 | | 23: | 1,564,233 |
| | 38: | R. 16,222 | 184— | 6: | 1,565,044 | | 61: | 1,564,978 | 233— | 7: | 1,564,065 | 254— | 2: | 1,564,713 | 283— | 1: | 1,564,932 |
| 157— | 1: | 1,564,702 | | 7: | 1,565,103 | | 70: | 1,564,188 | 234— | 1: | 1,564,560 | | 51: | 1,565,065 | | 9: | 1,564,246 |
| | 6: | 1,564,496 | | 18: | 1,564,820 | | 126: | 1,565,076 | | | 1,564,634 | | 72: | 1,564,537 | | | 1,564,724 |
| 158— | 1: | 1,565,048 | | 27: | 1,564,284 | | 184: | 1,565,106 | | 1.5: | 1,565,136 | | 100: | 1,564,642 | 285— | 9: | 1,564,485 |
| | 2: | 1,565,111 | | 104: | 1,564,742 | 209— | 37: | 1,564,508 | | 5.5: | 1,564,518 | | | 1,564,643 | | 24: | 1,564,999 |
| | 4: | 1,564,866 | 185— | 37: | 1,564,921 | | 91: | 1,564,619 | | | 1,564,519 | | 132: | 1,564,373 | | 143: | 1,564,965 |
| | 4.5: | 1,564,592 | 187— | 24: | 1,564,536 | | 98: | 1,564,973 | | | 1,564,633 | | 184: | 1,564,417 | 286— | 16: | 1,565,175 |
| | 10: | 1,564,276 | | 52: | 1,564,521 | | 148: | 1,565,236 | | 11: | 1,564,558 | | 185: | 1,564,781 | 287— | 53: | 1,564,941 |
| | 14: | 1,564,755 | | | 1,565,143 | | 214: | 1,564,731 | | | 1,564,559 | | 187: | 1,564,457 | 288— | 1: | 1,564,225 |
| | 27.4: | 1,564,363 | 188— | 6: | 1,565,130 | | | 1,546,732 | 235— | 50: | 1,564,814 | 255— | 26: | 1,565,014 | | | 1,564,270 |
| | 71: | 1,564,571 | | 78: | 1,565,040 | | 223: | 1,565,038 | | 60: | 1,564,237 | | 35: | 1,564,511 | 290— | 7: | 1,564,836 |
| | 73: | 1,564,902 | | 89: | 1,564,227 | | 283: | 1,565,081 | 236— | 1: | 1,564,553 | | 71: | 1,564,779 | 291— | 263: | 1,564,671 |
| | 75: | 1,564,343 | | 96: | 1,564,554 | | 284: | 1,564,585 | | 4: | 1,564,492 | 257— | 36: | 1,564,564 | 292— | 96: | 1,564,593 |
| 159— | 31: | 1,565,019 | | 135: | 1,564,515 | | 286: | 1,564,570 | | 33: | 1,564,405 | | 43: | 1,564,954 | | 114: | 1,564,691 |
| 161— | 1: | 1,564,815 | | 152: | 1,564,701 | | 403: | 1,564,638 | | 34: | 1,564,504 | | 129: | 1,564,446 | | 138: | 1,565,021 |
| 164— | 29: | 1,565,083 | | 198: | 1,564,445 | 210— | 69: | 1,564,632 | | 68: | 1,564,804 | 259— | 6: | 1,564,253 | | 145: | 1,564,953 |
| 166— | 10: | 1,564,699 | 189— | 78: | 1,564,789 | | | 1,565,002 | | 85: | 1,564,683 | 260— | 15: | 1,564,859 | | 164: | 1,564,729 |
| 167— | 3: | 1,565,043 | 191— | 70: | 1,564,727 | | 72: | 1,564,770 | | | 1,564,684 | | | 1,564,860 | | 166: | 1,565,212 |
| | | 1,565,237 | 192— | 2: | 1,565,031 | | 89: | 1,565,233 | | | 1,564,685 | | 48: | 1,564,218 | | 341: | 1,564,844 |
| 169— | 36: | 1,565,036 | | 18: | 1,565,104 | | 153: | 1,564,351 | 237— | 78: | 1,564,919 | | 60: | 1,564,210 | | 392: | 1,564,735 |
| 170— | 117: | 1,564,604 | | 88: | 1,564,717 | | 154: | 1,564,666 | | 81: | 1,564,403 | | 61: | 1,564,423 | 293— | 48: | 1,564,467 |
| 171— | 34: | 1,564,877 | | 136: | 1,564,494 | | 174: | 1,564,451 | 238— | 10: | 1,564,337 | | | 1,564,584 | | 54: | 1,565,023 |
| | 97: | 1,564,345 | 194— | 3: | 1,564,319 | | 198: | 1,564,513 | | 177: | 1,564,544 | | | 1,565,229 | | 55: | 1,564,204 |
| | 119: | 1,564,555 | | 6: | 1,565,164 | 211— | 8: | 1,564,249 | | | 1,565,197 | | 127: | 1,564,631 | | | 1,564,278 |
| | | 1,565,206 | | 10: | 1,564,383 | | | 1,564,534 | 240— | 2: | 1,565,173 | | 130.5: | 1,564,214 | | | 1,564,279 |
| | 206: | 1,564,449 | | 58: | 1,565,213 | | | 1,564,540 | | 7.1: | 1,564,486 | | 148: | 1,564,689 | | | 1,564,488 |
| | 252: | 1,564,389 | | 61: | 1,564,431 | | 16: | 1,564,529 | | 41: | 1,564,471 | | | 1,564,765 | | | 1,564,620 |
| | | 1,564,476 | | 93: | 1,564,442 | | 24: | 1,564,994 | | 45.6: | 1,564,532 | | 159: | 1,564,239 | | | 1,564,646 |
| 172— | 8: | 1,564,872 | | 94: | 1,564,493 | | | 1,565,026 | | 67: | 1,564,886 | 261— | 70: | 1,564,223 | 294— | 16: | 1,564,436 |
| | 293: | 1,564,788 | 195— | 20: | 1,564,385 | | 32: | 1,565,035 | | 85: | 1,564,609 | 262— | 16: | 1,564,893 | | | 1,565,075 |
| 173— | 259: | 1,564,761 | 196— | 138: | 1,564,984 | | 37: | 1,564,545 | | 133: | 1,564,816 | 263— | 38: | 1,565,114 | | 41: | 1,564,334 |
| | | 1,564,802 | | 147: | 1,564,501 | 212— | 17: | 1,564,187 | 241— | 19: | 1,564,905 | 264— | 7: | 1,565,100 | | 49: | 1,564,720 |
| | 313: | 1,564,918 | 197— | 22: | 1,564,329 | 213— | 100: | 1,564,400 | 242— | 10: | 1,564,478 | 265— | 11: | 1,565,119 | | 63: | 1,564,652 |
| | 354: | 1,565,082 | | 25: | 1,564,200 | 214— | 16: | 1,565,121 | | | 1,564,479 | | 14: | 1,564,197 | | 67: | 1,564,655 |
| | 359: | 1,564,871 | | 60: | 1,564,744 | | 17: | 1,564,980 | | | 1,564,480 | | 22: | 1,564,812 | | 90: | 1,564,434 |
| 174— | 177: | 1,564,552 | | 84: | 1,565,141 | | 35: | 1,564,546 | | 71: | 1,564,435 | | 45: | 1,564,530 | | 91: | 1,564,977 |
| 175— | 183: | 1,565,025 | | 98: | 1,564,757 | | 38: | 1,564,419 | | | 1,564,723 | | 54: | 1,565,126 | 295— | 9: | 1,564,628 |
| | | 1,565,093 | | 128: | 1,564,407 | | | 1,564,420 | | 86: | 1,564,985 | | 62: | 1,564,387 | 296— | 23: | 1,564,257 |
| | 264: | 1,564,855 | | | 1,564,408 | | 46.5: | 1,564,920 | | 138: | 1,565,194 | | | 1,564,845 | | 44: | 1,564,573 |
| | | 1,564,925 | | | 1,565,128 | | 49: | 1,564,190 | | 149: | 1,564,995 | | | 1,564,847 | | 102: | 1,564,650 |
| | 294: | R. 16,223 | | 127: | 1,564,316 | | 84: | 1,565,195 | 244— | 2: | 1,564,820 | 266— | 23: | 1,564,636 | | 110: | 1,564,969 |
| | | 1,564,377 | | | 1,564,787 | | 120: | 1,565,154 | | 12: | 1,565,153 | | 42: | 1,565,084 | 298— | 10: | 1,564,249 |
| | 317: | 1,565,024 | | 130: | 1,564,937 | | 135: | 1,564,791 | | 15: | 1,564,958 | 267— | 9: | 1,565,211 | 299— | 12: | 1,565,190 |
| | 361: | 1,564,512 | | 133: | 1,564,913 | | 144: | 1,565,139 | | 18: | 1,564,718 | | 10: | 1,564,864 | | 29: | 1,564,572 |
| | | 1,564,561 | | 135: | 1,564,326 | 215— | 11: | 1,564,759 | | 19: | 1,564,972 | | | 1,564,865 | | 59: | 1,564,963 |
| 176— | 25: | 1,564,690 | | | 1,564,922 | 217— | 69: | 1,564,538 | | 22: | 1,564,616 | | | 1,564,869 | | 60: | 1,564,587 |
| 177— | 7: | 1,564,525 | | 153: | 1,564,861 | | 124: | 1,564,426 | | 25: | 1,564,469 | | 17: | 1,564,556 | | 69: | 1,564,934 |
| | | 1,564,850 | | 186: | 1,565,127 | | | 1,564,452 | | | 1,564,971 | | 46: | 1,564,299 | | 98: | 1,564,709 |
| | 329: | 1,564,614 | 198— | 10: | 1,564,936 | 219— | 4: | 1,564,892 | | 29: | 1,565,097 | | | 1,564,416 | | 144: | 1,564,598 |
| | 386: | 1,564,192 | | 15: | 1,565,017 | | | 1,565,012 | | 30: | 1,564,354 | | 252: | 1,564,704 | 301— | 23: | 1,564,867 |
| | | 1,564,303 | | | 1,565,018 | | 19: | 1,565,046 | | | 1,564,355 | 268— | 8: | 1,564,885 | | 44: | 1,564,376 |
| 178— | 23: | 1,564,421 | | 33: | 1,564,477 | | 25: | 1,564,371 | 246— | 63: | 1,564,898 | 271— | 2.6: | 1,564,794 | | 63: | 1,564,737 |
| | 27: | 1,564,422 | | 88: | 1,564,795 | | 35: | 1,564,945 | | 81: | 1,564,912 | | | 1,565,109 | | | 1,564,738 |
| | | 1,565,165 | | 162: | 1,564,784 | | | 1,565,209 | | 230: | 1,564,341 | | 79: | 1,564,309 | | 123: | 1,565,003 |
| | 44: | 1,565,091 | | 179: | 1,564,317 | | 38: | 1,564,322 | | 232: | 1,564,244 | 272— | 22: | 1,564,272 | 302— | 14: | 1,564,805 |
| | 45: | 1,564,201 | | 213: | 1,564,928 | | 39: | 1,564,896 | | 442: | 1,564,340 | | 44: | 1,564,639 | 305— | 7: | 1,565,172 |
| | 50: | 1,564,224 | 199— | 19: | 1,565,033 | | 44: | 1,564,681 | | 487: | 1,565,067 | | 50: | 1,564,273 | | 10: | 1,564,461 |
| | 88: | 1,564,680 | | | 1,565,034 | | 47: | 1,564,612 | 247— | 10: | 1,564,778 | 273— | 33: | 1,564,212 | 306— | 1: | 1,564,293 |
| 179— | 1: | 1,564,290 | 200— | 50: | 1,565,006 | 220— | 1: | 1,564,282 | 248— | 14: | 1,565,101 | | 35: | 1,564,745 | 308— | 106: | 1,565,110 |
| | 4: | 1,565,139 | | 51: | 1,564,817 | | | 1,564,456 | | 17: | 1,565,108 | | 71: | 1,564,384 | | 128: | 1,564,832 |
| | 15: | 1,564,357 | | | 1,564,916 | | 10: | 1,564,911 | | 20: | 1,565,118 | | 80: | 1,564,208 | | 167: | 1,564,481 |
| | | 1,565,155 | | 54: | 1,564,207 | | 41: | 1,564,472 | | 29: | 1,565,066 | | | 1,564,444 | | 220: | 1,564,928 |
| | 18: | 1,564,487 | | 63: | 1,564,551 | | 42: | 1,564,958 | | 37: | 1,564,703 | | | 1,565,069 | | 226: | 1,564,380 |
| | | 1,565,235 | | 80: | 1,564,883 | | 48: | 1,564,360 | 249— | 33: | 1,564,647 | | | 1,565,070 | | | |

# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Ablett, Chas. R., doing business as Charles R. Ablett Company, New York, N. Y. Incandescent lamps and batteries. 206,912; Dec. 15; Serial No. 216,374; published Sept. 15, 1925.

Abraham & Straus, assignor to Abraham & Straus, Inc., Brooklyn, N. Y. Dolls. 51,695; renewed Apr. 24, 1926.

Acme Motion Picture Projector Company, Chicago, Ill. Motion-picture projectors. 207,024; Dec. 15; Serial No. 215,431; published Sept. 29, 1925.

Adam, J. N., & Co., Buffalo, N. Y. Clothes or laundry washing machines. 206,906; Dec. 15; Serial No. 215,545; published Sept. 22, 1925.

Aeolian Company, The, New York, N. Y. Pianos and piano players. 47,686; renewed Nov. 14, 1925.

Aeolian Company, The, New York, N. Y. Pianos comprising pneumatically-controlled playing mechanisms. 47,705; renewed Nov. 21, 1925.

Aktiebolaget Baltic, Stockholm, Sweden. Radio receiving and transmitting sets, condensers, etc. 200,944; Dec. 15; Serial No. 199,335; published Sept. 15, 1925.

Alaska Consolidated Canneries, Inc., Seattle, Wash. Canned salmon. 207,080; Dec. 15; Serial No. 217,490; published Oct. 6, 1925.

Alles & Fisher, assignor to Alles & Fisher, Inc., Boston, Mass. Cigars. 46,173; renewed Sept. 12, 1925.

Amerex Electric Corporation, New York, N. Y. Radio receiving sets and parts thereof. 206,949; Dec. 15; Serial No. 209,018; published Sept. 15, 1925.

American Bosch Magneto Corporation, Springfield, Mass. Electrical signal horns. 207,081; Dec. 15; Serial No. 217,819; published Oct. 6, 1925.

American Brake Shoe & Foundry Company, New York, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del., and New York, N. Y. Brake shoes. 50,122; renewed Mar. 6, 1926.

American Elevator & Machine Company, Louisville, Ky. Electric freight and passenger elevators. 207,079; Dec. 15; Serial No. 217,494; published Oct. 6, 1925.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 207,086; Dec. 15.

American Oil Company, Baltimore, Md. Gasoline, illuminating oils, lubricating oils and greases, and liquid motor fuels. 206,898; Dec. 15; Serial No. 208,032; published Sept. 22, 1925.

American Radio Sales Company. (See Lefebre, Walter S.)

American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Clocks and watches. 206,913; Dec. 15; Serial No. 216,376; published Sept. 8, 1925.

Armstrong Mfg. Co., The, Bridgeport, Conn. Certain named tools. 51,310; renewed Apr. 10, 1926.

Aspegren & Co., Inc., New York, N. Y. Lard substitutes. 207,111; Dec. 15.

Atlas Milling Co. (See Hoyt, Hugh P.)

Aunt Jemima Mills Company. (See Davis Milling Comp., The, assignor.)

Auricchio, Antonio, & Errico Auricchio, San Giuseppe Vesuviano, Italy, and New York, N. Y. Cheese. 206,893; Dec. 15; Serial No. 205,980; published Sept. 29, 1925.

Auricchio & Auricchio, San Giuseppe Vesuviano, Italy, and New York, N. Y., Cheese. 206,997; Dec. 15; Serial No. 205,981; published Sept. 29, 1925.

Aut-O-Lantern Co. (See Oliver, Vincent.)

Barrett Manufacturing Company, assignor to The Barrett Company, New York, N. Y. Ready tar and felt roofing. 47,263; renewed Oct. 31, 1925.

Barrett Manufacturing Company, assignor to The Barrett Company, New York, N. Y. Ready tar and felt roofing. 48,117; renewed Dec. 12, 1925.

Barrett Manufacturing Company, assignor to The Barrett Company, New York, N. Y. Tiles. 47,818; renewed Nov. 21, 1925.

Battelle & Hoskins Co., now by change of name The Lignole Corporation, Chicago, Ill. Radiopanels and especially-treated wood products. 206,996; Dec. 15; Serial No. 205,726; published Oct. 6, 1925.

Baugh & Sons Company, Philadelphia, Pa. Bone phosphate. 49,871; renewed Feb. 6, 1926.

Beard, Edward L., Kansas City, Mo. Muffler attachment for telephone transmitters. 207,028; Dec. 15; Serial No. 215,768; published Oct. 6, 1925.

Bell, John T., Corcoran, Calif. Poultry foods. 206,962; Dec. 15; Serial No. 215,042; published Sept. 29, 1925.

Benjamin Electric Manufacturing Company, Chicago, Ill. Sockets for vacuum tubes. 206,986; Dec. 15; Serial No. 197,467; published Oct. 6, 1925.

Best Foods, Inc., The, New York, N. Y. Shortening. 207,025; Dec. 15; Serial No. 215,500; published Oct. 6, 1925.

Biltmore Lighting Fixture Co., Inc., Brooklyn, N. Y. Lighting fixtures. 206,910; Dec. 15; Serial No. 216,317; published Sept. 15, 1925.

Bishop & Company, Los Angeles, Calif. Chocolate candy. 206,891; Dec. 15; Serial No. 204,536; published Dec. 16, 1924.

Blood Tone Arm Company, Bay City, Mich. Loud-speaker units. 206,972; Dec. 15; Serial No. 218,098; published Sept. 22, 1925.

Boker, H., & Co., Inc., New York, N. Y. Resistance wire for rheostats, meters, heating pads, and the like. 206,978; Dec. 15; Serial No. 218,896; published Sept. 22, 1925.

Bosstone Company, The, Boston and East Boston, Mass. Musical instruments of the zither type. 207,021; Dec. 15; Serial No. 215,129; published Oct. 6, 1925.

Bradham, Caleb D., New Bern, N. C. Medicinal preparation. 51,314; renewed Apr. 10, 1926.

Bradley, D. R., & Son, New York, N. Y. Perfumery, toilet waters, extracts, and cologne. 47,215; renewed Oct. 31, 1925.

Bradley, Smith Co., The, New Haven, Conn. Candy bars. 206,990; Dec. 15; Serial No. 200,089; published Oct. 6, 1925.

Bragno and Mustari, Chicago Ill. Corn oil. 206,894; Dec. 15; Serial No. 206,055; published Sept. 22, 1925.

Broadcaster Corporation, The, Chicago, Ill. Phonographs. 206,934; Dec. 15; Serial No. 204,696; published June 23, 1925.

Brooklyn Metal Stamping Corp., Brooklyn, N. Y. Telephone jacks primarily for radio apparatus. 206,918; Dec. 15; Serial No. 216,872; published Sept. 15, 1925.

Brooklyn Metal Stamping Corp., Brooklyn, N. Y. Dials for radio apparatus. 206,929; Dec. 15; Serial No. 218,286; published Sept. 22, 1925.

Brown, Lewis C., New York, N. Y., assignor, by mesne assignments, to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid paint for metallic roofs. 49,944; renewed Feb. 27, 1926.

Browne, Howard W., Los Angeles, Calif. Candy. 206,892; Dec. 15; Serial No. 204,747; published Sept. 1, 1925.

Bryl-yun-tino Polish Co. (See Gring, Clarence.)

Buckeye Paint & Varnish Co., The, Toledo, Ohio. Dry, paste, and ready-mixed paint, colors, and varnishes. 206,948; Dec. 15; Serial No. 191,998; published Sept. 15, 1925.

Buten, M., & Sons, Philadelphia, Pa. Paints and varnishes of all kinds. 207,050; Dec. 15; Serial No. 213,952; published Sept. 29, 1925.

Cardwell, Allen D., Manufacturing Corporation, The, Brooklyn, N. Y. Radio receiving sets, radio-frequency transformers, etc. 207,101; Dec. 15.

Carlile & Doughty, Inc., Philadelphia, Pa. Storage batteries and plates. 206,922; Dec. 15; Serial No. 216,965; published Sept. 15, 1925.

Central Commercial Company, Chicago, Ill. Lubricating oils and greases and gasoline. 206,966; Dec. 15; Serial No. 216,016; published Sept. 8, 1925.

Cerruti, E., New York, N. Y. Cheese. 206,967; Dec. 15; Serial No. 216,588; published Sept. 29, 1925.

Ceylon Spice Co., The. (See McKinley, William S.)

Chapin & Gould Paper Co., Springfield, Mass. Writing paper. 51,183; renewed Apr. 10, 1926.

Chicago Flexible Shaft Company, Chicago, Ill. Electric flatirons. 207,109; Dec. 15.

Chicago White Lead & Oil Co., The, Chicago, Ill. Paint enamel. 207,091; Dec. 15.

Chip-O-Tato Corporation of America, St. Paul, Minn. Fried potatoes. 207,038; Dec. 15; Serial No. 217,258; published Oct. 6, 1925.

Cleveland Inner Ring Company, The, Cleveland, Ohio. Inner rings for pistons. 207,085; Dec. 15.

Cluett, Peabody & Co., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Shirts. 49,050; renewed Jan. 23, 1926.

Cluett, Peabody & Co., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Shirts, collars, and cuffs. 50,779; renewed Mar. 27, 1926.

Coes Wrench Co., Worcester, Mass. Adjustable screw wrenches. 47,178; renewed Oct. 10, 1925.

Columbia Incandescent Lamp Co., The, St. Louis, Mo., assignor to General Electric Company, Schenectady, N. Y. Incandescent electric lamps. 49,034; renewed Jan. 23, 1926.

Commander Mill Company, Minneapolis, Minn. Wheat flour. 207,063; Dec. 15; Serial No. 218,472; published Sept. 22, 1925.

Connecticut Telephone & Electric Company, Incorporated, The, Meriden, Conn. Variable resistances. 206,905; Dec. 15; Serial No. 214,647; published Sept. 15, 1925.

Continental Caoutchouc Company, New York, N. Y., assignor to Continental Caoutchouc- und Gutta-Percha Compagnie, Hannover, Hanover, Germany. Pneumatic tires. 45,643; renewed Aug. 22, 1925.

Continental Caoutchouc Company, New York, N. Y., assignor to Continental Caoutchouc- und Gutta-Percha Compagnie, Hannover, Hanover, Germany. India-rubber tires, cover bandages, repair sheets, plasters, and patches for such tires. 46,595; renewed Sept. 26, 1925.

Cooper Hewitt Electric Company, Hoboken, N. J. Mercury-vapor arc lamps as sources of ultra-violet and other light. 206,947; Dec. 15; Serial No. 199,151; published Sept. 8, 1925.

Corbould, William H., London, England. Finger rings. 206,945; Dec. 15; Serial No. 185,007; published Sept. 15, 1925.

Cox, Pierre M., doing business as Cox Manufacturing Company, North Fort Worth, Tex. Automobile polishes. 207,003; Dec. 15; Serial No. 208,457; published Sept. 29, 1925.

Craddock-Terry Company. (See Witt, Geo. D., Shoe Co.)

Crouse-Hinds Company, Syracuse, N. Y. Electric plugs and plug receptacles. 206,886; Dec. 15; Serial No. 198,455; published Sept. 22, 1925.

Cutter Electrical and Manufacturing Company, The, Philadelphia, Pa. Automatic circuit breakers. 206,925; Dec. 15; Serial No. 217,262; published Sept. 8, 1925.

Dairymen's League Co-Operative Association, Inc., Utica, N. Y. Butter, ice cream, cheese, etc. 206,989; Dec. 15; Serial No. 199,044; published Sept. 15, 1925.

Daisy Curler Mfg. Co. (See Nielsen, Daisy D.)

Dan Valley Mills, Danville, Va. Self-rising wheat flour. 206,970; Dec. 15; Serial No. 217,334; published Sept. 29, 1925.

Daven Radio Corporation, Newark, N. J. Radio receiving, detecting, and transmitting sets and parts thereof. 206,974; Dec. 15; Serial No. 218,393; published Sept. 22, 1925.

Daven Radio Corporation, Newark, N. J. Resistance-coupled amplifiers and resistance units. 207,017; Dec. 15; Serial No. 213,698; published Sept. 15, 1925.

Davis Milling Comp., The, assignor to Aunt Jemima Mills Company, St. Joseph, Mo. Self-rising flour. 51,056; renewed Apr. 3, 1926.

Dayton Fan and Motor Company, The, Dayton, Ohio. Electric fans and motors and parts thereof and radio receiving sets and loud speakers and parts. 207,020; Dec. 15; Serial No. 215,141; published Oct. 6, 1925.

Del Monte Properties Company, San Francisco, Calif. Ginger ale. 207,099; Dec. 15.

Delta Sigma Phi Fraternity Inc., Washington, D. C. Jewelry. 207,077; Dec. 15; Serial No. 217,546; published Oct. 6, 1925.

Dexter Portland Cement Company, Nazareth, Pa. Portland cement. 49,029; renewed Jan. 23, 1926.

Dickinson, Albert, Company, The, Chicago, Ill. Seeds. 48,831; renewed Jan. 16, 1926.

Dickinson, Albert, Company, The, Chicago, Ill. Seeds. 49,834–8; renewed Feb. 20, 1926.

Dickinson, Albert, Company, The, Chicago, Ill. Pop-corn. 50,249; renewed Mar. 6, 1926.

Dock & Coal Co., Plattsburg, N. Y. Cattle feed. 49,640; renewed Feb. 13, 1926.

Dougal Bros., London, England. Matches. 207,060; Dec. 15; Serial No. 218,744; published Oct. 6, 1925.

Drager Fruit Co., Salem, Oreg. Canned prunes. 206,951; Dec. 15; Serial No. 201,924; published Oct. 6, 1925.

Dubied, Edouard, & Cie., Société Anonyme, Couvet, near Neuchatel, Switzerland. Needles for knitting machines. 207,093; Dec. 15.

Dubied, Edouard, & Cie., Société Anonyme, Couvet, near Neuchatel, Switzerland. Knitting machines and needles and parts of knitting machines. 207,094; Dec. 15.

Duff, James W., doing business as Gold Seal Products Co., New York, N. Y. Radio vacuum tubes. 206,926–7; Dec. 15; Serial Nos. 217,763–4; published Sept. 15, 1925.

Duplex Condenser & Radio Corporation, Brooklyn, N. Y. Condensers. 206,976; Dec. 15; Serial No. 218,688; published Sept. 22, 1925.

Eaton-Dikeman Co., The, Lee, Mass. Blotting paper. 49,243; renewed Jan. 30, 1926.

Eaton-Dikeman Co., The, Lee, Mass. Blotting paper. 51,762; renewed Apr. 24, 1926.

Eaton, Orrin O., Watsonville, Calif. Fresh fruits and vegetables. 207,058; Dec. 15; Serial No. 214,406; published Oct. 6, 1925.

Eclipse Cement & Blacking Co.; Puritan Cement and Blacking Company, Philadelphia, Pa., successor. Leather and rubber cement. 51,419; renewed Apr. 17, 1926.

Edgar-Morgan Co., Memphis, Tenn. Feeds and foodstuffs for poultry, cattle, etc. 207,031; Dec. 15; Serial No. 216,514; published Oct. 6, 1925.

Edison Electric Appliance Company, Chicago, Ill. Electric toasters. 206,936; Dec. 15; Serial No. 204,546; published Sept. 15, 1925.

Eesti tikutööstus "Lendra" A-S., Reval, Esthonia. Matches. 206,959; Dec. 15; Serial No. 213,016; published July 21, 1925.

Eesti tikutööstus "Lendra" A-S., Reval, Esthonia. Matches. 206,961; Dec. 15; Serial No. 213,557; published July 21, 1925.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquer. 207,029; Dec. 15; Serial No. 215,897; published Oct. 6, 1925.

Eisendrath, Joseph N., Company, The, Chicago, Ill. Gloves and mittens. 50,213; renewed Mar. 6, 1926.

Ely & Walker Dry Goods Company, St. Louis, Mo. Cotton suiting in the piece. 207,041; Dec. 15; Serial No. 208,966; published Sept. 29, 1925.

Ely & Walker Dry Goods Company, St. Louis, Mo. Cotton suiting in the piece. 207,042; Dec. 15; Serial No. 208,971; published Sept. 29, 1925.

Endless Life Food and Drink Company, The. (See Jefferson, George F.)

Ercole H. Locatelli, doing business as Mattia Locatelli, New York, N. Y. Grated cheese. 207,052; Dec. 15; Serial No. 214,087; published Oct. 6, 1925.

Euston Lead Company, Scranton, Pa. White lead in oil, dry white lead. 207,107; Dec. 15.

Everclean Antifoulings Limited, Liverpool, England. Antifouling compositions in the form of paint. 206,939; Dec. 15; Serial No. 202,862; published Sept. 15, 1925.

Farrall and Turnbow, Davis, Calif. Apparatus used in metering and controlling the physical condition of agitated materials. 207,073; Dec. 15; Serial No. 217,765; published Sept. 29, 1925.

Faultless Starch Co., Kansas City, Mo. Powdered laundry starch. 51,025; renewed Apr. 3, 1926.

Fausch, Franklin L., Evansville Ind. Radio apparatus. 207,089; Dec. 15.

Favorite Stove & Range Co., The, Piqua, Ohio. Stoves, furnaces, and ranges. 48,952; renewed Jan. 16, 1926.

Fiber Products Company, Newark, N. J. Sound-amplifying horns for radio loud speakers. 206,980; Dec. 15; Serial No. 184,164; published Oct. 6, 1925.

Fisher Governor Company, The, Marshalltown, Iowa. Metal valve members, seats, and rings. 207,054; Dec. 15; Serial No. 214,243; published Sept. 29, 1925.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, and crêpe paper. 206,994; Dec. 15; Serial No. 205,692; published May. 26, 1925.

Fort Mill Manufacturing Company, Fort Mill, S. C. Textile sheets and pillowcases. 207,049; Dec. 15; Serial No. 215,896; published Sept. 29, 1925.

Foss, H. D., and Co. Incorporated, Boston, assignor to H. D. Foss & Co., Incorporated, Cambridge, Mass. Chocolate confections and bonbons. 50,042; renewed Feb. 27, 1926.

Fouldes Company, The. (See Woodcock Macaroni Company, assignor.)

Fownes Brothers & Co., London, England, and New York, assignors to Fownes Brothers & Co., Inc., Gloversville, Amsterdam, and New York, N. Y. Gloves. 52,656; renewed Aug. 29, 1925.

Frank, S. H., & Co., San Francisco; S. H. Frank & Co., San Francisco, and Redwood City, Calif. Sole leather. 50,209; renewed Mar. 6, 1926.

Franklin Baker Company, Hoboken, N. J. Prepared cocoanut. 206,884; Dec. 15; Serial No. 197,754; published Sept. 22, 1925.

Frassanito, G., & Co. (See Marcucci, Florest J.)

Frey-Weaver Co., Lancaster, Pa. Coffee. 207,033; Dec. 15; Serial No. 217,021; published Oct. 6, 1925.

Gale Radio Laboratories, Chicago, Ill. Radio loud speakers. 207,007; Dec. 15; Serial No. 209,782; published Sept. 15, 1925.

Gaylord, Robert, Incorporated, St. Louis, Mo. Fiberboard boxes. 206,963; Dec. 15; Serial No. 215,145; published Sept. 29, 1925.

General Electric Company. (See Columbia Incandescent Lamp Co., assignor.)

Giatti, Valentino, doing business as Italograppo Importing Co., New York, N. Y. Concentrated Italian grapes for grape jellies. 207,022; Dec. 15; Serial No. 215,246; published Oct. 6, 1925.

Gleason, John S., Jamaica Plain; John S. Gleason, Boston, Mass. Junction boxes for electrical wiring. 47,361; renewed Oct. 31, 1925.

Gold Seal Products Co. (See Duff, James W.)

Golden State Milk Products Company, San Francisco, Calif. Candy tablets. 207,066; Dec. 15; Serial No. 218,254; published Oct. 6, 1925.

Gotham Silk Hosiery Company, Inc., New York, N. Y. Artificial bouquets. 206,911; Dec. 15; Serial No. 216,336; published Sept. 15, 1925.

Great Lakes Varnish Works, Inc., Chicago, Ill. Varnishes, paint enamels, stains, floor oils, etc. 207,014; Dec. 15; Serial No. 213,298; published Sept. 29, 1925.

Greenbaum, Harry L., doing business as Technical Color & Chemical Works, Brooklyn, N. Y. Prepared shellac, paint enamel, oil stains, etc. 207,016; Dec. 15; Serial No. 213,437; published Sept. 22, 1925.

Greif-Werke vormals Deutsche Bürobedarfsgesellschaft Bruer & Co., Goslar, Germany. Inks for use with multicopying apparatus, ink ribbons, and carbon paper. 207,004; Dec. 15; Serial No. 209,163; published Sept. 8, 1925.

Gring, Clarence, doing business as Bryl-yun-tino Polish Co., Pottstown, Pa. Automobile and furniture polish. 206,941; Dec. 15; Serial No. 202,249; published Sept. 22, 1925.

Ground Gripper Shoe Company, Inc., New York, N. Y., and Boston, Mass. Boots and shoes. 207,023; Dec. 15; Serial No. 215,250; published Sept. 8, 1925.

Groundulet Company, Newark, N. J. Electrical conduit and pipe connerters. 206,907; Dec. 15; Serial No. 215,743; published Sept. 8, 1925.

Groundulet Company, Newark, N. J. Electrical connecters. 207,071; Dec. 15; Serial No. 217,874; published Oct. 6, 1925.



Gulden, Charles, assignor to Mawer-Gulden-Annis, Inc., New York, N. Y. Olives. 48,459; renewed Jan. 2, 1926.

Gump Baking Company, Detroit, Mich. Fried cakes. 207,043; Dec. 15; Serial No. 210,383; published Oct. 6, 1925.

Gurney Heater Manufacturing Company, Boston, Mass. Steam and hot-water boilers. 207,118–19; Dec. 15.

Hammer Dry Plate Company, St. Louis, Mo. Photographic dry plates. 50,931; renewed Apr. 3, 1926.

Hansen, Walter W., doing business as The Hansen Company, Chicago, Ill. Electric solder pots. 206,955; Dec. 15; Serial No. 211,095; published Sept. 22, 1925.

Hardman, Peck & Co., New York, N. Y. Pianos, player pianos, and reproducing pianos. 207,096; Dec. 15.

Harris, J. E., Company, The, Wooster, Ohio. Cold-water paint. 206,900; Dec. 15; Serial No. 213,971; published Sept. 22, 1925.

Haskins, Dr. Co., The, Toledo, Ohio. Uric-acid solvent. 49,299; renewed Jan. 30, 1926.

Hebron Roller Mills, Hebron, N. Dak. Wheat flour. 206,882; Dec. 15; Serial No. 185,784; published Mar. 17, 1925.

Hecht Co., The, Washington, D. C., doing business as The Hub, Baltimore, Md. Men's and boys' suits and overcoats. 207,102; Dec. 15.

Hecker-Jones-Jewell Milling Co., New York, N. Y. Pancake flour. 207,047; Dec. 15; Serial No. 213,085; published Sept. 29, 1925.

Herkimer Specialties Corporation. (See Servette Co., The, assignor.)

Hillerich, J. F., & Son, assignor to Hillerich & Bradsby Co., Louisville, Ky. Baseball bats. 50,812; renewed Apr. 3, 1926.

Holdsem Patent Clasp Company, Philadelphia, Pa. Garment clasp. 207,103; Dec. 15.

Holstein Manufacturing Co., Inc., Richland, Pa. Tire pumps. 207,110; Dec. 15.

Horst, E. Clemens, Co., San Francisco, Calif. Canned fruits and vegetables. 207,092; Dec. 15.

Horton, Stephen D., assignor to The Peekskill Fire Brick Works Inc., Peekskill, N. Y. Fire bricks. 52,548; renewed May 15, 1926.

Housel, Ray M., Kannapolis, N. C. Gasoline and lubricating oils. 206,971; Dec. 15; Serial No. 217,462; published Sept. 15, 1925.

Hoyt, Hugh P., doing business as Atlas Milling Co., Clinton, Mich. Wheat flour. 206,937; Dec. 15; Serial No. 204,032; published Apr. 14, 1925.

Hub, The. (See Hecht Co.)

Hughes, Russell M., & Co., Louisville, Ky. Vinegar. 48,719; renewed Oct. 3, 1925.

Hulman & Co., Terre Haute, Ind. Soda. 47,968; renewed Nov. 28, 1925.

Hytone Battery Mfg. Co., Inc., New York, N. Y. Electric batteries. 206,923; Dec. 15; Serial No. 216,979; published Sept. 15, 1925.

Illinois Feed & Elevator Company, Bloomington, Ill. Poultry fattener. 207,070; Dec. 15; Serial No. 217,882; published Sept. 29, 1925.

Illinois Graphite Company, The, Chicago, Ill. Lubricating oil. 206,883; Dec. 15; Serial No. 192,769; published Aug. 18, 1925.

Ingraham, E., Company, The, Bristol, Conn. Watches. 207,083; Dec. 15.

International Sprinkler Co., Philadelphia, Pa., assignor to Ohio Automatic Sprinkler Company, Youngstown, Ohio. Automatic fire-extinguishing apparatus. 50,274; renewed Mar. 6, 1926.

Italograppo Importing Co. (See Giatti, Valentino.)

Jackson-Guidan Violin Co., The, Columbus, Ohio. Violins. 207,090; Dec. 15.

Jefferson, George F., doing business as The Endless Life Food and Drink Company, Cincinnati, Ohio. Biscuits, bread, potato chips, butter, jelly, etc. 207,032; Dec. 15; Serial No. 216,606; published Sept. 29, 1925.

Johns-Pratt Co., The, Hartford, Conn. Inclosed electric fuses. 48,403; renewed Dec. 26, 1925.

Johnson, Charles Eneu, and Company, Philadelphia, Pa. Printing and lithographic inks. 206,938; Dec. 15; Serial No. 203,681; published Sept. 15, 1925.

Johnston, Stanley, Wilkinsburg, Pa. Dress and coat shields. 206,917; Dec. 15; Serial No. 216,784; published Sept. 22, 1925.

Kansas Portland Cement Co., Iola, Kans., assignor to The Kansas Portland Cement Company, Kansas City, Mo. Portland cement. 50,877; renewed Apr. 3, 1926.

Kay, Abbott E., M. D., Glen Ellyn, Ill. Radium and radium preparations. 207,106; Dec. 15.

Kay and Ellinger Inc., New Lork, N. Y. Candles. 206,982; Dec. 15; Serial No. 186,956; published Sept. 29, 1925.

Kazunas, Luke M., assignor to Mrs. Regina Kazunas, administratrix under the will of Luke M. Kuzunas, Shenandoah, Pa. Proprietary medicines. 48,418; renewed Dec. 6, 1925.

Keech, Alvin D., London, England. Plectrum instruments. 206,999; Dec. 15; Serial No. 208,054; published Sept. 15, 1925.

Keen, Robinson & Company, Limited, London, England. Groats. 207,061; Dec. 15; Serial No. 213,975; published Oct. 6, 1925.

Keith, Geo. E., Company, Brockton, Mass. Leather and canvas boots and shoes. 49,811; renewed Feb. 20, 1926.

Keith, Geo. E., Company, Brockton, Mass. Leather and canvas boots and shoes. 51,496; renewed Apr. 17, 1926.

Kellogg Switchboard and Supply Co., Chicago, Ill. Audio-frequency transformers and radio receiving sets. 206,899; Dec. 15; Serial No. 208,524; published Sept. 22, 1925.

Kirk, James S., & Company, Chicago, Ill. Soap. 206,984; Dec. 15; Serial No. 192,329; published May 19, 1925.

Knapp, Joseph, doing business as Summit Radio Company, Toledo, Ohio. Electric vacuum tubes for radio purposes. 206,928; Dec. 15; Serial No. 218,258; published Sept. 22, 1925.

Kufeke, Peter A. F., doing business as R. Kufeke, Bergedorf, near Hamburg, Germany. Sugar, sirup, cocoa, candies, pastry, stock food, etc. 206,983; Dec. 15; Serial No. 187,628; published Sept. 29, 1925.

Lambert Lictonic Company, St. Louis, Mo. Stock food. 206,887; Dec. 15; Serial No. 200,323; published Sept. 29, 1925.

Lancashire Dynamo and Motor Company Limited, The, Trafford Park, Manchester, England. Dynamo-electric generators and motors and parts of same. 207,012; Dec. 15; Serial No. 212,497; published Sept. 8, 1925.

Lang, Samuel, Poughkeepsie, N. Y. Monthly publication. 206,964; Dec. 15; Serial No. 215,212; published Aug. 18, 1925.

Langbein-Kaufman Radio Co., The, New Haven, Conn. Radio receiving sets and parts thereof. 207,075; Dec. 15; Serial No. 217,716; published Oct. 6, 1925.

Lefebre, Walter S., doing business as American Radio Sales Company, Newark, N. J. Radio vacuum tube. 207,059; Dec. 15; Serial No. 214,489; published Oct. 6, 1925.

Lehigh Portland Cement Co., Ormrod and Allentown; Lehigh Portland Cement Co., Allentown, Pa. Portland cement. 49,238; renewed Jan. 30, 1926.

Lennox Furnace Co., The, Marshalltown, Iowa. Furnaces. 51,799; renewed Apr. 24, 1926.

Lignole Corporation, The. (See Battelle & Hoskins Co.)

Lime Cola Bottling Company, Roxboro, N. C. Nonalcoholic, noncereal, maltless beverage. 207,005; Dec. 15; Serial No. 209,579; published May 19, 1925.

Livingston Co., The, New Haven, Conn. Auto and furniture polishes, rim paint, engine enamel, etc. 206,901; Dec. 15; Serial No. 214,025; published Sept. 22, 1925.

Locke, Alfred T., Chicago, Ill. Fuel oils and lubricating oils. 206,950; Dec. 15; Serial No. 209,129; published Sept. 8, 1925.

Logan County Coal Corporation, Cincinnati, Ohio. Coal. 206,916; Dec. 15; Serial No. 216,683; published Sept. 15, 1925.

London Button Co. Inc., New York, N. Y. Wax-finished vegetable-ivory buttons. 206,924; Dec. 15; Serial No. 217,226; published Sept. 22, 1925.

Loring Coes & Company, Inc., Worcester, Mass. Machine knives or cutters employed in fur-cutting machinery. 47,186; renewed Oct. 31, 1925.

Lovit Company, The, Milwaukee, Wis. Coffee substitute. 207,065; Dec. 15; Serial No. 218,316; published Oct. 6, 1925.

Lucas, Robert M., Chicago, Ill. Asphaltic-base paints for coating car roofs, etc. 206,985; Dec. 15; Serial No. 192,767; published Oct. 6, 1925.

Mack Paint Products Company, Dover, Del., and Pittsburgh, Pa. Putty and glazing compounds. 207,018; Dec. 15; Serial No. 213,717; published Sept. 22, 1925.

Majestic Electric Development Co., assignor to Majestic Electric Appliance Co., Inc., San Francisco, Calif. Electric waffle irons, pancake irons, and waffle and pancake irons. 206,881; Dec. 15; Serial No. 167,408; published Sept. 15, 1925.

Marcucci, Florest J., doing business as G. Frassanito & Co., New York, N. Y. Lubricating oil. 206,885; Dec. 15; Serial No. 198,193; published Sept. 15, 1925.

Marie Dunnad, Paris, France. Reeds for orchestral wind instruments. 206,993; Dec. 15; Serial No. 203,794; published Sept. 29, 1925.

Marietta Knitting Co., Marietta, Ga. Hosiery. 50,982; renewed Apr. 3, 1926.

Matthews Dairies Company, The, Cincinnati, Ohio. Cottage cheese. 207,030; Dec. 15; Serial No. 216,111; published Oct. 6, 1925.

Maury-Cole Company, Memphis, Tenn. Coffee. 207,035–7; Dec. 15; Serial No. 217,169–71; published Oct. 6, 1925.

Mawer-Gulden-Annis, Inc. (See Gulden, Charles, assignor.)

May Department Stores Company, The, St. Louis, Mo. Phonographs, talking machines, pianos, and player pianos. 207,046; Dec. 15; Serial No. 212,276; published Oct. 6, 1925.

Mazer, Joseph, Company, Inc., New York, N. Y. Finger rings, charms, amulets, bracelets, etc. 207,078; Dec. 15; Serial No. 217,523; published Oct. 6, 1925.

McDougall, Charles P., Indianapolis, assignor to McDougall Company, Frankfort, Ind. Kitchen cabinets. 49,213; renewed Jan. 30, 1926.

McKinley, William S., assignor to Carrie A. McKinley, doing business as The Ceylon Spice Co., Philadelphia, Pa. Tapioca. 47,527; renewed Nov. 7, 1925.
McPherson Heights Citrus Association, Orange, Calif. Fresh citrous fruits. 207,024; Dec. 15; Serial No. 217,105; published Oct. 6, 1925.
Milford Canning Company, The, Milford, Ill. Canned corn. 207,112; Dec. 15.
Minimax Utilities Association, Oakland, Calif. Laundry and clothes washing machines. 207,044; Dec. 15; Serial No. 210,742; published Oct. 6, 1925.
Morgan's, Enoch, Sons Company, New York, N. Y. Cleansing or scouring compound. 49,646; renewed Feb. 13, 1926.
Morin Saw Gauge Manufacturing Co., Seattle, Wash. Saw tools. 207,100; Dec. 15.
Morris and Company, Yardville, assignor to Morris & Company, Inc., Groveville, N. J. Carpets. 51,085; renewed Apr. 3, 1926.
Mountain Valley Springs Company, The, Mountain Valley Springs, Ark. Mineral spring water. 51,448; renewed Apr. 17, 1926.
Mulholland, John H., Company, The, Philadelphia, Pa. Wooden spoons. 207,108; Dec. 15.
Nashville Roller Mills, Nashville, Tenn. Wheat flour. 207,072; Dec. 15; Serial No. 217,832; published Oct. 6, 1925.
Nathan & Daniel, New York, N. Y. Nurses' and maids' uniforms, ladies' aprons, etc. 207,019; Dec. 15; Serial No. 215,088; published Sept. 22, 1925.
National Department Stores Inc., New York, N. Y. Millinery supplies. 206,942; Dec. 15; Serial No. 200,513; published Sept. 8, 1925.
National Washboard Company, Chicago, Ill., and Saginaw, Mich. Folding ironing tables and washboards. 207,064; Dec. 15; Serial No. 218,318; published Oct. 6, 1925.
Nelson, Roy, doing business as Roy Nelson Canning Co., Crane, Mo. Canned vegetables. 207,068; Dec. 15; Serial No. 218,133; published Oct. 6, 1925.
Nelson Tool Company Inc., New York, N. Y. Condensers and sockets for vacuum tubes for radio apparatus and parts thereof. 207,009; Dec. 15; Serial No. 210,976; published Sept. 8, 1925.
New England Confectionery Co., assignor to New England Confectionery Company, Boston, Mass. Lozenges. 47,885; renewed Nov. 28, 1925.
New York Leather Belting Co., assignor to Victor Balata & Textile Belting Co., New York, N. Y. Canvas, stitched, and balata belting. 49,479; renewed Feb. 6, 1926.
Nielsen, Daisy D., doing business as Daisy Curler Mfg. Co., Los Angeles, Calif. Hair curlers. 206,902; Dec. 15; Serial No. 214,028; published Sept. 22, 1925.
Northwestern Extract Co., Milwaukee, Wis. Beverage and sirup for making same. 206,940; Dec. 15; Serial No. 202,634; published Mar. 3, 1925.
Notovitz, J., Inc., Chicago, Ill. Combs and hair pieces. 207,010; Dec. 15; Serial No. 211,286; published Sept. 22, 1925.
Nu-Tone Radio Company, Inc., The, Salt Lake City, Utah. Radio receiving sets. 206,904; Dec. 15; Serial No. 214,560; published Sept. 8, 1925.
Ohio Automatic Sprinkler Company. (See International Sprinkler Co., assignor.)
Ohio Carbon Company, The, Cleveland, Ohio. Electrical contact-making brushes, carbon regulator disks, and carbon contacts. 207,087; Dec. 15.
Ohio Federation of Women's Clubs, Cleveland, Ohio. Monthly magazine. 206,953; Dec. 15; Serial No. 210,746; published July 7, 1925.
Ohio Marble Company, Inc., The, Piqua, Ohio. Agriculture and lawn limestone. 207,062; Dec. 15; Serial No. 218,499; published Sept. 29, 1925.
Okonite Company, Limited, The, New York, N. Y., assignor to The Okonite Company (Passaic, N. J. Rubber insulating compound. 47,349; renewed Oct. 31, 1925.
Okonite Company, Limited, The, New York, N. Y., assignor to The Okonite Company, Passaic, N. J. Adhesive tape or cloth. 48,515; renewed Jan. 2, 1926.
Oliver, Vincent, doing business as The Aut-O-Lantern Co., Philadelphia, Pa. Electrically-illuminated direction signals and indicators. 206,951; Dec. 15; Serial No. 209,236; published Sept. 22, 1925.
Osborn, C. D., Co., Chicago, Ill. Mittens and gloves. 207,045; Dec. 15; Serial No. 211,945; published Sept. 29, 1925.
Pacent Electric Company, Incorporated, New York, N. Y. Electrical apparatus for use with radio apparatus and radio receiving sets. 207,074; Dec. 15; Serial No. 217,734; published Oct. 6, 1925.
Pacific Coast Borax Company, San Francisco, Calif., assignor to Pacific Coast Borax Company, New York, N. Y.; Chicago, Ill.; and Oakland, Calif. Borax soap. 50,383; renewed Mar. 13, 1926.
Pacific Coast Borax Company, San Francisco, Calif., assignor to Pacific Coast Borax Company, New York, N. Y.; Chicago, Ill.; and Oakland, Calif. Borax soap. 50,555; renewed Mar. 20, 1926.
Packard Electric Company, The, Warren, Ohio. Electrical wires and cables, wiring assemblies, transformers, etc. 207,011; Dec. 15; Serial No. 212,023; published Sept. 15, 1925.
Paine, Nathan, Oshkosh, Wis. Hanging closets. 207,114; Dec. 15.
Paraffine Companies, Inc., The, San Francisco, Calif. Paint enamels. 206,946; Dec. 15; Serial No. 190,353; published Sept. 15, 1925.
Paristyle Novelty Co. Inc., New York, N. Y. Hair goods. 206,930; Dec. 15; Serial No. 207,591; published Aug. 25, 1925.
Parker, Claude E., Mountain View, Calif. Pencils. 206,998; Dec. 15; Serial No. 207,201; published Feb. 10, 1925.
Payson Varnish Company, The, New York, N. Y. Paste paints and varnishes. 206,914; Dec. 15; Serial No. 216,559; published Sept. 15, 1925.
Payson Varnish Company, The, New York, N. Y. Ready-mixed paints and varnishes. 206,915; Dec. 15; Serial No. 216,635; published Sept. 15, 1925.
Peekskill Fire Brick Works Inc. (See Horton, Stephen D., assignor.)
Perfect Waistband Company, New York, N. Y. Waistband for boys' clothing. 206,931; Dec. 15; Serial No. 206,747; published Aug. 25, 1925.
Pfeiffer Chemical Company, New York, N. Y. Sulphur, carbolic, derma-zema, antiseptic, germicidal, and medicated soaps. 207,121; Dec. 15.
Phenix Radio Corporation, New York, N. Y. Radio receiving sets. 206,958; Dec. 15; Serial No. 212,866; published Sept. 22, 1925.
Phillips Ribbon & Carbon Co., Inc., Rochester, N. Y. Carbon paper and typewriter ribbon. 206,919–20; Dec. 15; Serial No. 216,930–1; published Sept. 15, 1925.
Phoenix Glass Co., The, Pittsburgh, Pa. Glass electric globes and glass shades. 49,741; renewed Feb. 13, 1926.
Pilot Electric Manufacturing Company, Inc., The, Brooklyn, N. Y. Radio receiving sets and parts thereof. 206,973; Dec. 15; Serial No. 218,141; published Sept. 22, 1925.
Pittsburgh Plate Glass Company. (See Brown, Lewis C., assignor.)
Placerville Fruit Growers Association, Placerville, Calif. Fresh pears, peaches, plums, and apples. 207,095; Dec. 15.
Pollard Oil Company, Inc., Sioux City, Iowa. Fuel oils, lubricating oils and greases. 206,888; Dec. 15; Serial No. 200,689; published Nov. 18, 1924.
Pollard Oil Company, Inc., Sioux City, Iowa. Fuel oils. 206,889; Dec. 15; Serial No. 200,690; published Sept. 9, 1924.
Portland Packing Co., Portland, Me. Canned vegetables. 47,496; renewed Nov. 7, 1925.
Postum Cereal Co., Limited, Battle Creek, Mich., assignor to Postum Cereal Company, Incorporated, Battle Creek, Mich., and New York, N. Y. Sugar. 47,531; renewed Nov. 7, 1925.
Pride, W. H., & Co., Bellingham, Wash. Canned fruits, jams, fruit preserves, jellies, and canned vegetables. 207,116; Dec. 15.
Princeville Canning Co., The. (See Truitt, Henry.)
Puritan Cement and Blacking Company. (See Eclipse Cement & Blacking Co.)
Purox Company, Denver, Colo. Hose for use with welding and cutting equipment. 206,896; Dec. 15; Serial No. 207,147; published Sept. 29, 1925.
Purox Company, Denver, Colo. Cartridges for use with liquid oxygen. 207,039; Dec. 15; Serial No. 207,146; Published Oct. 6, 1925.
Q. R. S. Music Company, The, Chicago, Ill. Detector and amplifier tubes for radio apparatus. 206,975; Dec. 15; Serial No. 218,658; published Sept. 22, 1925.
Radio Corporation of America, New York, N. Y. Radio receiving sets and parts thereof. 207,120; Dec. 15.
Radio-Electric Mfg. Co. (See Spring, Samuel S.)
Radio Essentials Corporation (Not Inc.), Chicago, Ill. Thermionic vacuum radiotubes. 206,960; Dec. 15; Serial No. 213,256; published July 28, 1925.
Raphael Tuck and Sons Co. Ltd., New York, N. Y. Art lithographs. 49,130; renewed Jan. 23, 1926.
Reach, A. J., Company, Philadelphia, Pa. Golf clubs. 206,933; Dec. 15; Serial No. 205,442; published Mar. 24, 1925.
Reichmann Company, Chicago, Ill. Radio receiving sets, parts thereof, loud speakers, and loop antennæ therefor. 206,952; Dec. 15; Serial No. 210,189; published Sept. 22, 1925.
Reid, Murdoch & Co., Chicago, Ill. Prepared cocoa-chocolate combination. 206,987; Dec. 15; Serial No. 197,833; published Oct. 6, 1925.
Roach-Appleton Manufacturing Company, Chicago, Ill. Switch boxes, outlet boxes and covers, ground clamps, etc. 206,988; Dec. 15; Serial No. 198,258; published Oct. 6, 1925.
Robertson, Arthur R., Boston; Arthur R. Robertson, Cambridge and Boston, Mass. Hammers. 49,590; renewed Feb. 13, 1926.
Rodda, R. E., Candy Company, The, York, Pa. Candy. 207,076; Dec. 15; Serial No. 217,683; published Oct. 6, 1925.
Roman, Michael A., New York, N. Y. Ice cream. 206,979; Dec. 15; Serial No. 179,114; published Oct. 6, 1925.
Ruberoid Co., The. (See Standard Paint Company, assignor.)



Rushton, John H.; Judd W. Rushton, Canton, N. Y., successor. Canoes. 47,437; renewed Nov. 7, 1925.
Ryan, W. J., Corporation, Oklahoma City, Okla. Gasoline, lubricating oils and greases. 206,956; Dec. 15; Serial No. 211,870; published Oct. 6, 1925.
Sachsenwerk, Licht- und Kraft-Aktiengesellschaft Niedersedlitz, near Dresden, Germany. Dynamos, electric motors, radio receiving sets, etc. 207,015; Dec. 15; Serial No. 213,320; published Sept. 8, 1925.
Sauppe Candy Company, York, Pa. Candy. 206,981; Dec. 15; Serial No. 184,364; published Oct. 6, 1925.
Saurer, Adolph, Inc., New York, N. Y. Truck and passenger automobiles and parts thereof. 207,122; Dec. 15.
Sawyer Crystal Blue Company, The, assignor to Sawyer Crystal Blue Company, Boston, Mass. Washing blue. 50,918; renewed Apr. 3, 1926.
Sawyer Crystal Blue Company, The, assignor to Sawyer Crystal Blue Company, Boston, Mass. Washing blue. 51,455; renewed Apr. 17, 1926.
Saxon China Company, The, Sebring, Ohio. China, porcelain, and earthenware dishes and sets of dishes. 206,969; Dec. 15; Serial No. 217,114; published Oct. 6, 1925.
Schanzenbach, J., and Company, Inc., New York, N. Y. Henna preparations for coloring or tinting the hair. 207,053; Dec. 15; Serial No. 208,072; published Feb. 24, 1925.
Servette Co., The, Shortsville, N. Y., assignor to Herkimer Specialties Corporation, Cold Brook, N. Y. Tea wagons. 206,880; Dec. 15; Serial No. 154,112; published Sept. 1, 1925.
Sherwin-Williams Company, The, Cleveland, Ohio. Paints, finishes, enamels, etc. 206,908; Dec. 15; Serial No. 216,230; published Aug. 11, 1925.
Simpson, Fred W., Chicago, Ill. Feed mixture. 206,932; Dec. 15; Serial No. 206,697; published Mar. 10, 1925.
Simpson, Fred W., Chicago, Ill. Ground-linseed-oil-meal cake used as stock feed. 207,000; Dec. 15; Serial No. 208,164; published Mar. 17, 1925.
Slade & Bullock Limited, Dewsbury, England. Candy. 206,890; Dec. 15; Serial No. 201,515; published Sept. 22, 1925.
Sockett, Cecil W., Los Angeles, Calif. Dry, paste, and ready-mixed paints, enamels, etc. 207,008; Dec. 15; Serial No. 209,877; published June 9, 1925.
Sparke, Edith, San Francisco, Calif. Dressmakers' pins. 207,002; Dec. 15; Serial No. 208,317; published Aug. 25, 1925.
Spring, Samuel S., doing business as Radio-Electric Mfg. Co., Newark, N. J. Radio receiving sets and parts therefor and aerial-wire batteries. 206,954; Dec. 15; Serial No. 211,062; published Sept. 22, 1925.
Standard Bottling Company, The, Denver, Colo. Beverages and table waters. 206,935; Dec. 15; Serial No. 204,572; published Feb. 17, 1925.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 206,968; Dec. 15; Serial No. 216,801; published Sept. 29, 1925.
Standard Paint Company, The, assignor to The Ruberoid Co., New York, N. Y. Papers prepared with moisture-resistant substances. 48,742; renewed Jan. 9, 1926.
Standard Paint Company, The, assignor to The Ruberoid Co., New York, N. Y. Flexible waterproof fabric. 50,919; renewed Apr. 3, 1926.
Star Milling Company, Statesville, N. C. Wheat flour. 206,897; Dec. 15; Serial No. 207,092; published Apr. 21, 1925.
Star Pin Company, The. (See Unique Manufacturing Company, The.)
Star Porcelain Company, The, Trenton, N. J. Electrical insulating compound. 207,104; Dec. 15.
Sté. Ame. Eternit, Haren, near Brussels, Belgium. Roofing and other building material from artificial stone. 206,903; Dec. 15; Serial No. 214,508; published Sept. 22, 1925.
Stein, S., & Co., New York, N. Y. Woolen cloths in the piece. 207,105; Dec. 15.
Sterling Chocolate Co., Inc., Brooklyn, N. Y. Candy. 207,006; Dec. 15; Serial No. 209,708; published Apr. 7, 1925.
Stevens, William, doing business as William Stevens Co., Roslindale, Mass. Electric terminals. 206,977; Dec. 15; Serial No. 218,882; published Sept. 22, 1925.
Stewart, G. S., Company, The, Dover, Del., and Norwalk, Ohio. Cedar chests. 207,097; Dec. 15.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 207,026; Dec. 15; Serial No. 215,598; published Sept. 29, 1925.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 207,027; Dec. 15; Serial No. 215,660; published Sept. 29, 1925.
Summit Radio Company. (See Knapp, Joseph.)
Sun-Ray Lighting Products, Inc., New York, N. Y. Electric-lighting equipment. 206,895; Dec. 15; Serial No. 206,646; published Sept. 22, 1925.
Swift and Company, Chicago, Ill. Lard and lard compounds. 51,051; renewed Apr. 3, 1926.
Symbolite Company, The, Stamford, Conn. Electric-lighting fixtures. 206,921; Dec. 15; Serial No. 216,949; published Sept. 15, 1925.
Talmage, David, Brooklyn, N. Y. Manually-operated chord-playing mechanism. 207,001; Dec. 15; Serial No. 208,169; published Sept. 8, 1925.
Taunton-New Bedford Copper Company, New York, N. Y.; Taunton-New Bedford Copper Company, Taunton, Mass. Sheets and bars and sheathing of brass or copper or alloys thereof. 47,439; renewed Nov. 7, 1925.
Technical Color & Chemical Works. (See Greenbaum, Harry L.)
Thompson's Malted Food Company, Waukesha, Wis. Malted milk. 207,098; Dec. 15.
Tomasulo, Epifanio V. N., now by judicial change of name, Nestor Nicholas Tomasulo, Philadelphia, Pa. Hair clippers. 207,082; Dec. 15; Serial No. 175,087; published Aug. 11, 1925.
Tracy & Avery Co., The, Mansfield, Ohio. Coffee. 207,088; Dec. 15.
Triner, Joseph; Joseph Triner Company, Chicago, Ill., successor. Bitter wines. 48,569; renewed Jan. 2, 1926.
Truitt, Henry, doing business as The Princeville Canning Co., Princeville, Ill. Canned vegetables. 206,995; Dec. 15; Serial No. 205,716; published Oct. 6, 1925.
U. C. Battery & Electric Co., Berkeley, Calif. Cat whiskers, crystals, and crystal receiving sets. 206,957; Dec. 15; Serial No. 212,307; published Sep. 22, 1925.
Unique Manufacturing Company, The, successor to The Star Pin Company, Shelton, Conn. Hooks and eyes. 49,786–7; renewed Feb. 13, 1926.
Vail, Clinton E., doing business as The Vail Manufacturers, Chicago, Ill. Standard and automatic spark timers. 207,084; Dec. 15.
Van Camp Packing Company, The, Indianapolis, Ind. Soap. 207,113; Dec. 15.
Vanity Fair Silk Mills, Reading, Pa. Veils and silk goods in the piece. 207,048; Dec. 15; Serial No. 218,748; published Sept. 29, 1925.
Victor Balata & Textile Belting Co. (See New York Leather Belting Co., assignor.)
Wagner, E. R., Mfg. Company, North Milwaukee, Wis. Shock absorbers for motor vehicles. 207,117; Dec. 15.
Walworth Manufacturing Company, Boston, Mass. Steel castings. 207,067; Dec. 15; Serial No. 218,225; published Sept. 29, 1925.
Watertown Table-Slide Company, Watertown, Wis. Table extension slides. 207,115; Dec. 15.
Watkins, J. R., Company, The, Winona, Minn. Cocoa, vanilla, allspice etc. 207,040; Dec. 15; Serial No. 207,902; published Sept. 22, 1925.
Wechsler Barber Silk Company, Inc., New York, N. Y. Silk piece goods. 206,943; Dec. 15; Serial No. 200,074; published May 12, 1925.
Weismann, Arnold O., Chicago, Ill. Zwieback. 207,069; Dec. 15; Serial No. 217,973; published Oct. 6, 1925.
West, Zimri, 3rd, doing business as West Distributing Co., Newark, N. J. Radio electron or vacuum tubes. 206,909; Dec. 15; Serial No. 216,311; published Sept. 15, 1925.
Westergaard, B., & Company, Brooklyn, N. Y. Sardines. 206,992; Dec. 15; Serial No. 202,228; published Oct. 6, 1925.
Weydig Piano Corporation, New York, N. Y. Pianos. 207,061; Dec. 15; Serial No. 218,515; published Oct. 6, 1925.
White Rock Min. Spg. Co., The, Waukesha, Wis., assignor to White Rock Mineral Springs Company, Waukesha, Wis. and New York, N. Y. Ginger ale. 51,855; renewed Apr. 24, 1926.
Whitman, Stephen F., & Son, assignor to Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Candies and chocolates. 50,865–6; renewed Apr. 3, 1926.
Wilkins, John H., Co., Washington, D. C. Coffee. 207,055–7; Dec. 15; Serial Nos. 214,295–7; published Oct. 6, 1925.
Willey Sign Co., Detroit, Mich. Electrical signs. 207,013; Dec. 15; Serial No. 212,872; published Sept. 15, 1925.
Witt, Geo. D., Shoe Co.; Craddock-Terry Company, Lynchburg, Va., successor. Leather boots and shoes. 46,780; renewed Oct. 10, 1925.
Witt, Geo. D., Shoe Co.; Craddock-Terry Company, Lynchburg, Va., successor. Leather boots and shoes. 46,983; renewed Oct. 17, 1925.
Witt, Geo. D., Shoe Co.; Craddock-Terry Company, Lynchburg, Va., successor. Leather boots and shoes. 47,806; renewed Nov. 28, 1925.
Witt, Geo. D., Shoe Co.; Craddock-Terry Company, Lynchburg, Va., successor. Leather boots and shoes. 48,477; renewed Jan. 2, 1926.
Wolf, John M., Company, Brooklyn, N. Y. Stove polishes and stove varnishes. 50,379; renewed Mar. 13, 1926.
Woodcock Macaroni Company, Rochester, assignor to The Fouldes Company, New York, N. Y. Macaroni, spaghetti, and vermicelli. 49,369; renewed Jan. 30, 1926.
Wroe, W. E., & Company, Chicago, Ill. Bond paper. 49,174; renewed Jan. 23, 1926.
Yale & Towne Manufacturing Company, The, Stamford, Conn. Lubricating oils. 206,965; Dec. 15; Serial No. 215,611; published Sept. 22, 1925.

# ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Allen, Abe, Youngstown, Ohio. Wonder Gas. For a Compound Used in Producing Greater Utility in Automobile Gases. 29,629; Dec. 15.

American Beauty Cigar Co., Toronto, Ohio. La Fete. For Cigars. 29,630; Dec. 15.

American News Company, Inc., The, New York, N. Y. The Readmore Lending Library. For Bookcases, Bookracks, Grouped Book Shelves and Cases, Racks, Receptacle, and Groups of Shelves Filled with Books. 29,631; Dec. 15.

Anderson, C. Richard, Northfield, Minn. Hillview Honey. For Extracted Honey. 29,632; Dec. 15.

Barber, Myron A., Petoskey, Mich. Mulsolax. For Mulsolax, a Medicinal Preparation. 29,633; Dec. 15.

Bardell, J. C., doing business as Bardell Art Printing Co., San Francisco, Calif. Vupack Container. For a Container for Mailing Post Cards, Pictures, and Like Articles. 29,634; Dec. 15.

Fletcher Works, Incorporated, Philadelphia, Pa. Pik-Pik. For Ice Picks. 29,635; Dec. 15.

Florian Inc., Des Moines, Iowa. Florian. For Tooth Paste. 29,636; Dec. 15.

Fort Wayne Engineering & Manufacturing Company, Fort Wayne, Ind. For Home and Farm. For Pump and Water Systems. 29,637; Dec. 15.

Hills Brothers Company, The, New York, N. Y. Dromedary Golden Dates Pitted. For Dates. 29,638; Dec. 15.

Karnak Studios, Madison, Wis. Skeeter-Skatter. For Mosquito Incense (Sticks). 29,639; Dec. 15.

Lawrence, Reba B., Brookline, Mass. Malabar Candles. For Candles. 29,640; Dec. 15.

Mayer, Jacob, New York, N. Y. Lena-Cavalieri. For Cosmetics. 29,641; Dec. 15.

Mayer, Jacob, New York, N. Y. Isabey. For Perfume. 29,642; Dec. 15.

Ng Gee Herb Co., San Francisco, Calif. Chu's Herbalik for Rheumatism and Syphilis (written in Chinese). For a Liquid Compound for the Treatment of Rheumatism and Syphilis. 29,643; Dec. 15.

Old Dominion Iron & Steel Corp., Richmond, Va. The Old Dominion Quoits Set. For a Game. 29,644; Dec. 15.

Reynolds Spring Company, Jackson, Mich. No. 110 Appliance Cord Switch. For Appliance Cord Switches. 29,645; Dec. 15.

Sand's Level & Tool Co., Detroit, Mich. Sand's. For Spirit Levels. 29,646; Dec. 15.

Wellston Iron Furnace Co., The, Jackson, Ohio. Wifco Super Mortar. For Mortar. 29,647; Dec. 15.

# ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Cream of Wheat Co., Minneapolis, Minn. Teachers! Send for Wall Chart on Children's Diet—Free. For Wheat Breakfast Food. 8,456; Dec. 15.

Curtiss Candy Company, Chicago, Ill. Baby Ruth. For Candy. 8,457; Dec. 15.

Metal Products Company, Des Moines, Iowa. Pyramid Pedals. For Extension Foot Pedals for Automobiles. 8,458; Dec. 15.

Rapp, William A., & Co., Sacramento, Calif. The 'Blind Man' Quality Window Shades. For Window Shades and Blinds. 8,459; Dec. 15.

Reynolds Spring Company, Jackson, Mich. No. 110 A Convenience Switch for Every Cord. For a Convenience Switch. 8,460; Dec. 15.

West, Emily, Los Angeles, Calif. Honey Creme Cake. For Cake. 8,461; Dec. 15.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acetylene Products Company, of El Paso, Texas, El Paso, Tex. Acetylene, oxygen, carbide, and welding flux. 222,652; Dec. 15.

Advance Bag and Paper Company, Inc., Boston, Mass. Paper bags. 222,541–5; Dec. 15.

Advance Bag and Paper Company, Inc., Boston, Mass. Paper bags. 222,550–3; Dec. 15.

Aladdin Mfg. Company, Muncie, Ind. Radio receiving sets, loud speakers, aerial loops, and head phones. 208,630; Dec. 15.

Albermarle Paper Manufacturing Co., The, Richmond, Va. Wrapping paper. 216,493; Dec. 15.

Albrecht-Richter Company, New York, N. Y. Peppermint drops. 220,629; Dec. 15.

American Disinfecting Company, Sedalia, Mo. Dry-cleaning detergents. 222,774; Dec. 15.

American Packing Company, St. Louis, Mo. Hams, bacon, lard, sausage, and feeding tankage. 217,061; Dec. 15.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Rail bonds. 221,868; Dec. 15.

American Stores Company, Philadelphia, Pa. Brooms. 220,818; Dec. 15.

American Stores Company, Philadelphia, Pa. Ammonia and bluing. 220,819; Dec. 15.

American Stores Company, Philadelphia, Pa. Ginger ale, sarsaparilla, root beer, and grape juice. 220,820; Dec. 15.

American Stores Company, Philadelphia, Pa. Coffee, paprika, celery salt, grape jelly, peanut butter, corn flakes, canned cherries, etc. 220,825; Dec. 15.

American Stores Company, Philadelphia, Pa. Mustard, raspberry jelly, strawberry jelley, pectin jelly. 220,834; Dec. 15.

American Stores Company, Philadelphia, Pa. Lemon, orange, vanilla, and almond flavoring extracts and tomato catchup. 220,835; Dec. 15.

Amid Duron Company, New York, N. Y. Preparation for softening and strengthening leather. 221,344; Dec. 15.

Anderson, Wm., Textile Mfg. Co. Inc., New York, N. Y. Cotton fabrics and cotton and silk fabrics. 206,469; Dec. 15.

Ansco Photoproducts, Inc., Binghamton, N. Y. Photographic prints and enlargements. 218,683; Dec. 15.

Aspir-Mint Gum Co. (See Minnick, Charles E.)

Associated Drafting Engineers. (See Job-Way Home Study, Incorporated.)

Atkins, E. C., & Company, Indianapolis, Ind. Handsaws. 190,625; Dec. 15.

Atlantic Mills, The, Olneyville, R. I. Woolen dress goods in the piece. 222,811; Dec. 15.

Atlas Plywood Corporation, Boston, Mass. Packing and shipping cases, shooks, knockdown boxes, etc. 220,630; Dec. 15.

Aurval Candy Company, Minneapolis, Minn. Candy bars. 222,298; Dec. 15.

Automatic Cone Co. (See Denaro, James.)

Baines & Schmich Publishing Company, Brooklyn, N. Y. Weekly publication. 221,086; Dec. 15.

Bakelite Corporation, New York, N. Y. Condensation products of phenols and formaldehyde. 221,584–5; Dec. 15.

Bakelite Corporation, New York, N. Y. Pocketbook and hand-bag frames and trimmings and harness trimmings. 221,588; Dec. 15.

Baker Motors, Inc., Erie, Pa. Rotary steam engines. 202,275; Dec. 15.

Barbour, Perley E., doing business as Barbour Welting Company, Montello Station, Brockton, Mass. Welting for boots and shoes. 220,837; Dec. 15.

Beaver Soap Company, The, Dayton, Ohio. Toilet soap. 222,158; Dec. 15.

Bergen, Elsie. Medicinal salve. 221,690; Dec. 15.

Berkowitz, Morris, doing business as South End Hardware Company, Boston, Mass. Painters' brushes. 220,754; Dec. 15.

Bernell, Solomon M., doing business as The Vacupometer Co., Chicago, Ill. Instruments for producing hyperemia. 221,402; Dec. 15.

Beveridge Paper Company, The, Indianapolis, Ind. Cardboard, calender board, box board, postal board, railroad board, and bristol board. 221,535; Dec. 15.

Big Stone Canning Co., Ortonville, Minn. Canned corn. 219,872; Dec. 15.

Bitutect Inc., Los Angeles, Calif. Cold liquid asphalt, bituminous cements, roofing compositions, etc. 218,465; Dec. 15.

Black, V. E., Co., Providence, R. I. Lingerie clasps, beauty pins, vanity boxes, bracelets, etc. 221,941; Dec. 15.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 222,658; Dec. 15.





PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Bonwit Teller & Co., New York, N. Y. Hosiery. 222,217–18; Dec. 15.

Bourjois, A., & Co. Inc., New York, N. Y. Face powder. 222,816; Dec. 15.

Bourjois, A., & Co. Inc., New York, N. Y. Face powder. 222,818; Dec. 15.

Brake, Robert W., St. Louis, Mo. Embrocation or liniment. 222,660; Dec. 15.

Brecht Candy Company, The, Denver, Colo. Candy. 222,004–5; Dec. 15.

Brecht Candy Company, The, Denver, Colo. Candy. 222,007–8; Dec. 15.

Brioschi, Achille, & Co. Inc., New York, N. Y. Effervescent beverage salts. 222,908–9; Dec. 15.

British Belting & Asbestos Ltd., London, England. Impregnated asbestos material. 218,789; Dec. 15.

British Drug Houses, Limited, The, London, England. Apparatus for making chemical comparisons or tests. 222,437; Dec. 15.

Brown, E., & Son (Blacking and Boot Polish Manufacturers) Ltd., London, England. Preparation for cleaning, etc., leather and enameled goods. 219,027; Dec. 15.

Brown, Thomson & Company, Hartford, Conn. Hosiery. 222,596; Dec. 15.

Browne, Arthur G., doing business as Napoleon Salad Dressing Co., Los Angeles, Calif. Salad dressing. 220,884; Dec. 15.

Bruce Products Corporation, Detroit, Mich. Metal-cleaning compounds, buffs, polishing wheels, and emery wheels. 222,219; Dec. 15.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Machines for reproducing sound electrically. 220,108; Dec. 15.

Buffalo Pharmaceutical Products Co. (See Santiago, Pedro.)

Bushman, B. S. & S. M., Buffalo, N. Y. Candles. 220,937; Dec. 15.

Butterfield, Fred. & Co., Inc., New York, N. Y. Cotton broadcloth. 204,304; Dec. 15.

Butterfield, Fred. & Co., Inc., New York, N. Y. Tissue ginghams. 204,305; Dec. 15.

C-It Products Corporation, Moline, Ill. Liquid glass cleaner. 220,493; Dec. 15.

Cattaraugus Cutlery Co., Little Valley, N. Y. Hunting knife. 220,994; Dec. 15.

Cattaraugus Cutlery Co., Little Valley, N. Y. Sheath knife. 220,995; Dec. 15.

Cedar Sweep Co., San Francisco, Calif. Composition for cleaning pipes. 220,887; Dec. 15.

Celery Cracker Medicine Company, The. (See Gosselin, Adelard E.)

Cello Products Incorporated, New York, N. Y. Article of manufacture for use in building construction. 219,803; Dec. 15.

Celma Company, The, Toledo, Ohio. Sanitary deodorant preparation. 222,914; Dec. 15.

Central Construction & Supply Company, Philadelphia, Pa. Refrigerating equipment. 208,958; Dec. 15.

Chatillon, John, & Sons, New York, N. Y. Ice balances, sportsmen's balances, thermometers, and spring scales. 219,379; Dec. 15.

Chicago Mail Order Company, Chicago, Ill. Radio receiving sets, radio battery chargers, aerial equipment, loud speakers, etc. 221,879; Dec. 15.

Chief Manufacturing Company, Indianapolis, Ind. Machines for scrubbing carpets, washing machines, etc. 185,242; Dec. 15.

Choc-Au-Lait Corporation, New York, N. Y. Beverages sold as soft drinks and sirups for making the same. 217,815; Dec. 15.

Cohen, Jac S., Co., Inc., New Orleans, La. Boll-weevil exterminators. 222,729; Dec. 15.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Dish, silver, and glass cleaning machines and metal-parts-cleaning machines. 220,596; Dec. 15.

Columbia Phonograph Company, Inc., Bridgeport, Conn. Radio receiving, detecting, and transmitting sets and parts thereof. 221,094; Dec. 15.

Conjurske, Frank J., doing business as Nulife Company, Sturgeon Bay, Wis. Hair tonic. 190,535; Dec. 15.

Consumers Profit Company, New York, N. Y. Canned tomatoes. 219,528; Dec. 15.

Continental Roofing & Mfg. Co., The, Baltimore, Md. Shingle strips. 221,351; Dec. 15.

Continental Tire Corporation, Chicago, Ill. Radio receiving sets and parts thereof. 218,166; Dec. 15.

Controlite Manufacturing Co. (See Merrill, William C., Jr.)

Cosmos Products Rochester, Rochester, N. Y. Tonic embrocation for skin and scalp. 218,293; Dec. 15.

Crosley Radio Corporation, The, Cincinnati, Ohio. Radio receiving sets and parts thereof. 221,479; Dec. 15.

Culver, Leslie E., doing business as The Lesculene Co., Henderson, Ky. Pimple cream. 221,806; Dec. 15.

Dalco Radio Company. (See Knoblauch, Mida F.)

Davies-Strauss-Stauffer Company, Easton, Pa. Cocoa, canned corn, peas, and tomatoes, evaporated milk, etc. 221,853; Dec. 15.

Davis Bros. Cheese Co., Plymouth, Wis. Cheese. 216,154; Dec. 15.

Deepwater Oil Refineries, Inc., Houston, Tex. Lubricating oils. 221,951; Dec. 15.

Dellarowe, Anthony K., doing business as Dellarowe Drug Company, Hollywood, Calif. Tooth paste. 220,219; Dec. 15.

Del Monte Properties Company, San Francisco, Calif. White sand, golf-tee sand, and playground sand. 220,275; Dec. 15.

De Luxe Cake Decorator Company, Minneapolis, Minn. Coloring tablets for food-decorating pastes. 222,224; Dec. 15.

Denaro, James, doing business as Automatic Cone Co., Cambridge, Mass. Edible pastry containers for ice cream, sherbet, marshmallow, etc. 221,000; Dec. 15.

Detroit Celery and Produce Company. (See Perlmon, Sol.)

Diamond Candle Co. Inc., Brooklyn, N. Y. Night-light candles. 219,579; Dec. 15.

Diamond Mills Paper Co., New York, N. Y. Tissue paper. 221,539; Dec. 15.

Diamond 'O' Orchards. (See Giele, Ratie E.)

Dixie Pecan Growers Exchange, Inc., Barnesville, Ga. Pecans. 221,097; Dec. 15.

Dorr Manufacturing Company, Grand Rapids, Mich. Container for smokers' articles. 199,610; Dec. 15.

Durand-McNeil-Horner Co., Chicago, Ill. Canned fruits, vegetables, fish, and fruit preserves, etc. 191,818; Dec. 15.

Eagle Tea & Coffee Co., Inc., The, New York, N. Y. Coffee. 213,070; Dec. 15.

Electrical Research Laboratories, Inc., Chicago, Ill. Untuned radio-frequency transformers, radio receiving sets, radio aerial equipment, loud speakers, etc. 221,811; Dec. 15.

Embalmers' Supply Company, The, Westport, Conn. Embalming fluid. 218,297; Dec. 15.

Farr Produce Company, The, Greeley, Colo. Potatoes, beans, onions, and cabbages. 214,652; Dec. 15.

Faxon & Gallagher Drug Co., Kansas City, Mo. Rock candy, pure olive oil, cloves, mace, etc. 194,698; Dec. 15.

Fischer, J. A., Company, Philadelphia, Pa. Talking machines, talking-machine repair or replacement parts. 212,602; Dec. 15.

Fisher, Dudley T., Jr., Columbus, Ohio. Series of cartoons. 221,307; Dec. 15.

Flamite Corporation, The, West Chester, Pa. Fire-extinguishing preparation. 222,834; Dec. 15.

Fletcher, Robert, & Son Limited, Stonecliough, near Manchester, England. Tissue paper, bank-note paper, typewriter paper, etc. 210,723; Dec. 15.

Flint & Walling Mfg. Company, Kendallville, Ind. Horse powers, windlasses, vises, grinding mills, etc. 220,066; Dec. 15.

Franklin Furniture Co., The, Columbiana, Ohio. Chairs, davenports, and sofas. 219,956; Dec. 15.

Franklin Simon & Co. Inc., New York, N. Y. Clothing. 217,507; Dec. 15.

Fromm, Frank H., doing business as F. H. Fromm & Co., Philadelphia, Pa. Matches. 222,836; Dec. 15.

Fuller Brush Company, The, Hartford, Conn. Combs and brush cleaners. 203,308; Dec. 15.

Galen Laboratories, Inc., Buffalo, N. Y. Vegetable jelly for treating inflammations and ulcers. 219,622; Dec. 15.

Gamble, R. E., Company, Boiling Springs, Pa. Milk-base preparation in powdered form for making a food drink. 204,230; Dec. 15.

General Petroleum Corporation, San Francisco, Calif. Lubricating oils. 222,025; Dec. 15.

Gerasch, Emil, G. m. b. H., Leipzig, Germany. Printing machines, printing presses, rotary presses, manifolding apparatus, etc. 218,750; Dec. 15.

Giele, Ratie E., doing business as Diamond 'O' Orchards, Sacramento, Calif. Fresh pears. 217,089; Dec. 15.

Golding Fabrics Corporation, New York, N. Y. Silk piece goods. 222,672; Dec. 15.

Goodson, J. F., & Co. Inc., also doing business as J. F. G. Coffee Company, Morristown, Tenn. Coffee. 208,048; Dec. 15.

Gosselin, Adelard E., doing business as The Celery Cracker Medicine Company, Manchester, N. H. Preparation for the relief of headache. 222,674; Dec. 15.

Grendel Mills, Greenwood, S. C. Sheetings and drillings. 222,506; Dec. 15.

Griffin, B. A., & Co., Milwaukee, Wis. Salted and spiced fish products. 185,294; Dec. 15.

Gross, Lewis A., doing business as Lag Chemical Co., Philadelphia, Pa. Tonic for the scalp. 219,339; Dec. 15.

Hale, Sara F., doing business as Velvette Manufacturing Company, New York, N. Y. Massage cream and wrinkle remover. 203,515; Dec. 15.

Hart, Schaffner & Marx, Chicago, Ill. Men's suits and trousers. 220,530; Dec. 15.

Havana Manufacturing Company, Havana, Ill. Plowshares, lister shares, middle-breaker shares, and cultivator shovels. 212,813; Dec. 15.

Havana Manufacturing Company, Havana, Ill. Plowshares, lister shares, middle-breaker shares, and cultivator shovels. 220,778; Dec. 15.

Healey, Ernest, Foxton, Wellington, New Zealand. Medicinal preparation. 217,459; Dec. 15.

Hedlund and Company, Seattle, Wash. Canned roast beef and gravy, boiled beef and gravy, sandwich spread, etc. 220,455; Dec. 15.

Heilkraft Medical Company, Boston, Mass. Astringents and antiseptics. 22,983; Dec. 15.

Heit Miller Lau Co., Fort Wayne, Ind. Candy. 221,894; Dec. 15.

Held, Roy J., Freeport, Ill. Mineral compounds for water softeners. 214,320; Dec. 15.

Himyar Coal Company, Lexington, Ky. Coal. 221,609; Dec. 15.

Hinck, Otto H., New York, N. Y. Unbleached cotton sheetings, bleached fabrics, and yarn-dyed fabrics made wholly of cotton. 221,899; Dec. 15.

Holeproof Hosiery Company, Milwaukee, Wis. Hosiery. 222,323; Dec. 15.

House of Tre-Jur, Inc., New York, N. Y. Perfume. 222,381; Dec. 15.

Household Necessity Company, San Francisco, Calif. Washing compound. 189,937; Dec. 15.

Howard, Charles C., doing business as The Howard Drug Co., Memphis, Tenn. Medicinal preparation for kidney, etc., ailments. 211,475; Dec. 15.

Howarth, Elijah, Sheffield, England. Preparation for exterminating cockroaches and black beetles. 220,288; Dec. 15.

Howell, Charles E., New York, N. Y. Cartoons in perforated sheet form. 221,703; Dec. 15.

Howell, John B., Marion, N. Y. Buckwheat, wheat, and corn flour, horse feed, dairy feed, etc. 215,789; Dec. 15.

Hug Company, The, Highland, Ill. Motor trucks. 220,718; Dec. 15.

Hyland, Richard C., doing business as Hyland Bag Company, San Francisco, Calif. Twine. 220,778–9; Dec. 15.

Hyland, Richard C., doing business as Hyland Bag Company, San Francisco, Calif. Twine. 220,781; Dec. 15.

Infanson & Rodriguez, New York, N. Y. Cigars, cigarettes, and smoking tobacco. 221,552; Dec. 15.

Insulite Co., The, International Falls and Minneapolis, Minn. Plaster boards, wall boards, and sheathing. 201,086; Dec. 15.

International Safety Razor Corporation, Bloomfield, N. J. Razor blades. 220,074; Dec. 15.

J. F. G. Coffee Company. (See Goodson, J. F., & Co.)

Jaburg Brothers, Inc., New York, N. Y. Oleomargarine. 221,489; Dec. 15.

Job-Way Home Study, Incorporated, doing business as Associated Drafting Engineers, Chicago, Ill. Lessons, instruction sheets, etc., used in connection with a correspondence course. 209,920; Dec. 15.

Jones-Dabney Varnish Company, Louisville, Ky. Nitrocellulose lacquer. 220,900; Dec. 15.

Jones, Vess, New York, N. Y. Automobiles or taxicabs. 186,646; Dec. 15.

Justi, H. D., & Son, Philadelphia, Pa. Vulcanite teeth. 222,461; Dec. 15.

Justi, H. D., & Son, Philadelphia, Pa. Crown and vulcanite teeth. 222,462; Dec. 15.

Kayser, Julius, & Co., New York, N. Y. Underwear. 222,569; Dec. 15.

Kellett, Patrick, Harrison, N. J. Preparation for the treatment of asthma. 221,068; Dec. 15.

Kelly Axe and Tool Company, Charleston, W. Va. Axes and hatchets. 215,010; Dec. 15.

Kelly Axe & Tool Company, Charleston, W. Va. Hammers. 222,074; Dec. 15.

Kenyon, James, & Son, Limited, Bury, England. Cotton polishing cloths not treated. 213,440; Dec. 15.

Kingdom of Italy, Rome, Italy. Cigarettes, smoking and chewing tobacco, and snuff. 221,836; Dec. 15.

Kirk, James S., & Company, Chicago, Ill. Soap. 215,745; Dec. 15.

Klean-Rite Auto Laundry Company, Chicago, Ill. Automobile washing apparatus. 193,186; Dec. 15.

Klex Manufacturing Company, Chicago, Ill. Modeling clay. 221,179; Dec. 15.

Knoblauch, Mida F., doing business as Dalco Radio Company, New York, N. Y. Metal tags for identifying parts of radio apparatus. 205,605; Dec. 15.

Kobe, Inc., Los Angeles, Calif. Well strainers. 220,611; Dec. 15.

Koffman & Blumenau, Bay City, Mich. Maple sirup. 218,766; Dec. 15.

Koken Companies, St. Louis, Mo. Razor strops. 222,128; Dec. 15.

Lag Chemical Co. (See Gross, Lewis A.)

L'Aiglon Perfumery Co., Inc., Newark, N. J. Perfume, hair tonic, rouges, face powders, etc. 216,919; Dec. 15.

Lanfranchi, Anne W., doing business as Rollee, New York, N. Y. Perfumes. 220,193–4; Dec. 15.

La-Roy Hat Co., New York, N. Y. Ladies' and children's hats. 220,962; Dec. 15.

Leidich, Sylvester W., doing business as Llewellyn, Philadelphia, Pa. Antiseptic and alkaline antiseptic solutions. 222,927; Dec. 15.

Lennon, Peter G., doing business as Peter G. Lennon & Co., Joliet, Ill. Canned fruits, vegetables, fish, coffee, tea, chili sauce, spices, etc. 220,310; Dec. 15.

Lesculene Co., The. (See Culver, Leslie E.)

Little, George E., Sumner, Mo. Patches for repairing inner tubes of tires and other repair uses. 220,311; Dec. 15.

Llewellyn. (See Leidich, Sylvester W.)

Luxbaven Club Laboratory. (See Remick, George E.)

Lyman Publishing Corporation, New York, N. Y. Monthly printed periodical or trade paper. 221,557; Dec. 15.

Maltop, Inc., Buffalo, N. Y. Beverage with a malt-chocolate flavor. 218,709; Dec. 15.

Manrose Corporation, New York, N. Y. Liquid dye. 222,267; Dec. 15.

Margolin Shoe Company, Chicago, Ill. Shoes. 219,597; Dec. 15.

Master Builders Company, The, Cleveland, Ohio. Composition for coloring, waterproofing, and coating concrete, stucco, etc. 220,410; Dec. 15.

Masury-Young Company, Charlestown, Mass. Oil and liquid soaps, soap powder, scouring powder, and metal polish. 221,754; Dec. 15.

Matchett-Macklem Company, Seattle, Wash. Canned peaches, raspberries, sauerkraut, mayonnaise dressing, honey, etc. 221,842; Dec. 15.

Matchless Metal Polish Co., The, Chicago, Ill., and Glen Ridge, N. J. Oil polish. 221,131; Dec. 15.

Mayanlake Candy Co., Chicago, Ill. Candy. 222,859; Dec. 15.

McAllister, S. J., Co. Inc., Birmingham, Ala. Soap. 213,719; Dec. 15.

McAtee-Newell Coffee Company, Inc., The, Bloomington, Ill. Coffee. 220,965–6; Dec. 15.

McCallum Hosiery Co., Northampton, Mass. Hosiery. 209,738; Dec. 15.

McCurdy, Henry B., Lawrence, Kans. Completely-printed books, magazines, pictures, and prints. 221,558; Dec. 15.

McDonald, J. G., Chocolate Company, Salt Lake City, Utah. Candy. 216,790; Dec. 15.

Menasha Printing and Carton Company, Menasha, Wis. Paper containers and cartons for ice cream, etc. 213,986; Dec. 15.

Merle, John, doing business as The Merle Candy Co., New York, N. Y. Candy. 220,968; Dec. 15.

Merrill, William C., jr., doing business as Controlite Manufacturing Co., Chicago, Ill. Electric dimming switches and controls for vehicle headlights. 198,243; Dec. 15.

Michigan Drug Co., The, Detroit, Mich. Nerve and kidney pills, liniment, and compound extract for stomach and bowel diseases. 221,905; Dec. 15.

Michigan Drug Co., The, Detroit, Mich. Compound of sarsaparilla and tonic capsules for rheumatism, scrofula, liver complaint, and skin diseases. 221,907; Dec. 15.

Michigan Drug Co., The, Detroit, Mich. Herbs for liver and kidney complaints. 221,909; Dec. 15.

Mic-Lis Manufacturing Co., The, Toledo, Ohio. Toothbrushes. 221,132; Dec. 15.

Mid-States Gummed Paper Company, Chicago, Ill. Gummed paper tape. 218,196; Dec. 15.

Minnick, Charles E., doing business as Aspir-Mint Gum Co., Dallas, Tex. Medicated gum. 213,252; Dec. 15.

Mitchel Oil Company of New Jersey, Kearny, N. J. Combustible oils. 210,917; Dec. 15.

Monarch Leather Company, Chicago, Ill. Leather. 216,199; Dec. 15.

Moon, George Q., & Company, The, Binghamton, N. Y. Scratch feed and dairy ration. 218,863; Dec. 15.

Moore Pen Co., The, Boston, Mass. Fountain pen. 218,564–6; Dec. 15.

Moore, R. C., Hollywood, Calif. Tire patches. 189,166; Dec. 15.

Moorman Mfg. Co., Quincy, Ill. Mineral feed for cattle, particularly dairy cattle. 220,908; Dec. 15.

Mouser, W. H., & Co., Orlando, Fla. Oranges, grapefruit, and tangerines. 222,754; Dec. 15.

Mueller Brass Co., Port Huron, Mich. Hose nozzles. 221,496–7; Dec. 15.

Muhs, Henry, Company, The, Passaic, N. J. Ham and bacon. 222,842; Dec. 15.

Muhs, Henry, Company, The, Passaic, N. J. Ham and and sausage. 222,843; Dec. 15.

Murphy, G. W. J., Company, Amesbury, Mass. Pipe buttons. 222,935; Dec. 15.

Muskin Shoe Company, Baltimore, Md. Boots and shoes. 205,215; Dec. 15.

Mutual Creamery Company, doing business as The Mutual Stores, Oakland, Calif. Butter, bread, ice cream, eggs, and canned fruit. 221,846; Dec. 15.

Napoleon Salad Dressing Co. (See Browne, Arthur G.)

Nathan, M., and Brother, Incorporated, Johnstown, Pa. Leather shoes. 221,195; Dec. 15.

Nathanson, William, Chicago, Ill. Male-genital-organ splint. 218,769; Dec. 15.





National Electric Sweeper Company, Oakland, Calif. Electric vacuum cleaners. 221,914; Dec. 15.

National Ring Traveler Co., Providence, R. I. Ring travelers. 210,744; Dec. 15.

National Sanitary Products Co., St. Louis, Mo. Disinfectants, insecticides, chemical compound for cleansing, sterilizing, and deodorizing closet bowls, and drainpipe solvents. 220,562; Dec. 15.

Nelson, Roy, doing business as Roy Nelson Canning Company, Crane, Mo. Canned vegetables. 220,669–70; Dec. 15.

Newater Company, The. (See Randall, George G.)

Nile Undergarment Co., New York, N. Y. Undergarments and brassières. 221,880; Dec. 15.

Noxall Manufacturing Company, Inc., New York, N. Y. Dresses for children and misses. 221,711; Dec. 15.

Nulife Company. (See Conjurske, Frank J.)

Odeneal, Thomas H., Beverly, Mass. Cough medicine. 222,628; Dec. 15.

Ohio Malt Products Company, Toledo, Ohio. Malt extract. 217,414; Dec. 15.

Oneida Community Limited, Oneida, N. Y. Silver-plated tableware, flatware, hollow ware, and cutlery. 221,916; Dec. 15.

Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 214,335; Dec. 15.

Paine, Edward W., doing business as The Regenerator Company, Westerly, R. I. Treatment for sexual disfunction. 222,867; Dec. 15.

Palmer Clothing Manufacturing Company, The, Chattanooga, Tenn. Men's suits. 222,477; Dec. 15.

Palmolive Company, The, Chicago, Ill. Soap. 222,870; Dec. 15.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Lubricating oils and greases. 220,354; Dec. 15.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Lubricating oils. 220,355; Dec. 15.

Park & Tilford, New York, N. Y. Chocolate and candy. 222,572; Dec. 15.

Parker, Stearns & Company, Brooklyn, N. Y. Babies' rubber pants or bloomers. 222,044; Dec. 15.

Parker & Waterman Mfg. Co., Los Angeles, Calif. Pieces of silk fabric impregnated with colored oil paints and used for imprinting designs on patent leather, etc. 211,609; Dec. 15.

Parry, Irene A., Seattle, Wash. Educational printed charts for children. 216,474; Dec. 15.

Patent Novelty Company, Fulton, Ill. Dustpans. 221,278; Dec. 15.

Perkins & Squier Company, New York, N. Y. Blank books and printing paper. 219,598; Dec. 15.

Perlmon, Sol, doing business as Detroit Celery and Produce Company, Detroit, Mich. Fresh vegetables. 205,354; Dec. 15.

Pharmaceutical Research Corporation, St. Louis, Mo. Cold remedy for babies. 222,794; Dec. 15.

Phenix Cheese Corporation, New York, N. Y. Cheese. 220,917; Dec. 15.

Pocahontas Fuel Company Incorporated, Pocahontas, Va., and New York, N. Y. Coal. 221,204; Dec. 15.

Poetzl, Charles, doing business as Poetzl Chemical Co., Baltimore, Md. Lotion for high blood pressure, fatigue, etc. 218,777; Dec. 15.

Porritt, Joseph, & Sons Limited, Manchester and Helmshore, near Manchester, England. Cotton driers for paper makers. 216,358; Dec. 15.

Priestley, B., & Co. Inc., New York, N. Y. Cloths and piece goods. 222,577; Dec. 15.

Publicity and Research Bureau, Washington, D. C. Canned fresh oysters. 219,044; Dec. 15.

Quinebaug Company, The, Danielson, Conn. Cotton piece goods. 221,716; Dec. 15.

Railway Training Institute, Chicago, Ill. Books and instruction papers used in connection with a correspondence course. 218,735; Dec. 15.

Randall, George G., doing business as The Newater Company, Chicago, Ill. Lye. 222,047; Dec. 15.

Rastetter, Louis, & Sons, Fort Wayne, Ind. Folding chairs. 214,033; Dec. 15.

Ravaladium Baths Co., Los Angeles, Calif. Water-treating material. 221,073; Dec. 15.

Reed, George Russell, Company, San Francisco, Calif. Roller composition for printing press. 198,030; Dec. 15.

Regenerator Company, The. (See Paine, Edward W.)

Remick, George E., doing business as Luxbaven Club Laboratory, Denver, Colo. Constipation treatment. 222,579; Dec. 15.

Rice, Charles W., doing business as Chas. W. Rice & Co., Uhrichsville, Ohio. Window shades. 220,470; Dec. 15.

Riebe-Werk Aktiengesellschaft, Berlin and Weissensee, near Berlin, Germany. Ball bearings and roller bearings. 215,877; Dec. 15.

Roach Tisdale & Co., Minneapolis, Minn. Butterscotch candy. 220,974; Dec. 15.

Rochester Self-Binder Co. Inc., The, Rochester, N. Y. Self-binders for binding papers of various kinds. 220,473; Dec. 15.

Rogers Gasoline Company, Uniontown, Pa. Gasoline, kerosene, lubricating oils and greases. 222,281; Dec. 1.

Rollee. (See Lanfranchi, Anne W.)

Roseth Corporation, The, Brooklyn, N. Y. Paper garment bags. 222,634–5; Dec. 15.

Ross, Sydney, Co., The, Newark, N. J. Preparations for the treatment of intestinal and liver diseases. 222,351–2; Dec. 15.

Roth & Nathan, Inc., New York, N. Y. Woolen goods in the piece. 220,203; Dec. 15.

Roth & Nathan, Inc., New York, N. Y. Billiard and pool table covering cloths. 220,204; Dec. 15.

Sanford, William R., Howard, R. I. Blotters, writing pads, post cards, etc. 214,443; Dec. 15.

Santiago, Pedro, doing business as Buffalo Pharmaceutical Products Co., Buffalo, N. Y. Tonic. 222,765; Dec. 15.

Schlotter, J. G., & Co., Indianapolis, Ind. Fresh apples and peaches. 222,636; Dec. 15.

Schmid, Julius, Inc., New York, N. Y. Radiopanels. 207,762; Dec. 15.

Schulthess & Co. Aktiengesellschaft, Basel, Switzerland. Ribbon. 215,880; Dec. 15.

Schutte & Koerting Company, Philadelphia, Pa. Engineering appliances. 152,386; Dec. 15.

Schutter-Johnson Candy Co., Chicago, Ill. Candy. 191,349; Dec. 15.

Scoville, Brown & Company, Wellsville, N. Y. Coffee. 202,357; Dec. 15.

Seamless Rubber Company, Inc., The, New Haven, Conn. Seamless rubber bladders used in footballs, striking bags, etc. 202,826; Dec. 15.

Senay, Groom & Ipswitch, San Francisco, Calif. Rugs. 220,255; Dec. 15.

Shafer, John F., Mason, Tex. Preparation for the extermination of weeds and grass. 220,429; Dec. 15.

Shreeengost, D. J., Company, Roswell, N. Mex. Fresh apples. 222,583; Dec. 15.

Simmons and Hammond Manufacturing Company, Portland, Me. Prepared flour for use in making pastries. 204,936; Dec. 15.

Slattery, E. T., Co., Boston, Mass. Women's and children's suits, coats, dresses, silk scarfs, boas, etc. 219,310; Dec. 15.

Societe Anonyme L'Europe Nouvelle, Paris, France. Weekly publication. 220,624; Dec. 15.

South End Hardware Company. (See Berkowitz, Morris.)

Squire Dingee Company, Chicago, Ill. Pickles. 215,891; Dec. 15.

Staley, A. E., Manufacturing Company, Decatur, Ill. Stock feed. 219,854; Dec. 15.

Staley, A. E., Manufacturing Company, Decatur, Ill. Stock feed. 219,856; Dec. 15.

Stanley, John T., Co., Inc., New York, N. Y. Penetrating oils for vehicle springs and chassis grease. 221,782; Dec. 15.

Stanley, John T., Co., Inc., New York, N. Y. Soap. 221,786; Dec. 15.

Steameter Co., The, Chicago, Ill. High-tempered alarm for internal-combustion engines. 188,332; Dec. 15.

Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 222,587; Dec. 15.

Stoddard Mill & Grain Company, Advance, Mo. Wheat flour. 221,516; Dec. 15.

Strathmore Paper Company, Mittineague, Mass. Cover paper. 219,612; Dec. 15.

Sun-Flower Pharmacal Co. (See Trichel, Milton C.)

Supreme Paint & Varnish Co., Brooklyn, N. Y. Paints and varnishes. 220,095; Dec. 15.

Sutter Co-Operative Growers, San Francisco, Calif. Canned fruits and vegetables. 220,689; Dec. 15.

Thermely Manufacturing Company, Inc., Rensselaer, Ind. Antifreezing solutions. 221,985; Dec. 15.

Tioga Mill & Elevator Co., Waverly, N. Y. Duck feed. 220,582; Dec. 15.

Tomlinson, W. H., & Co., Bay City, Mich. Boots, shoes, and slippers. 221,292; Dec. 15.

Trichel, Milton C., doing business as Sun-Flower Pharmacal Co., Shreveport, La. Hair pomade. 184,369; Dec. 15.

Tuberco Mfg. Co., Atlanta, Ga. Medicine for tuberculosis. 216,368; Dec. 15.

Tulare Packing Company, Tulare, Calif. Canned fruit. 216,654; Dec. 15.

United Alloy Steel Corporation, New York, N. Y., and Canton, Ohio. Rust-resisting anticorrosive metal and iron and steel bars, slabs, etc. 220,484; Dec. 15.

United Electric Company, The, Canton, Ohio. Floor-polishing tools. 204,133; Dec. 15.

United Electrical Mfg. Co., Adrian, Mich. Electrical fans. 221,464; Dec. 15.

United States Gypsum Company, Chicago, Ill. Building insulation, calcined gypsum, wall plasters, gypsum tile, and plaster board. 221,859; Dec. 15.

Universal Phonograph Company Manufacturers. (See Waterson, May.)

Utica Cutlery Company, Utica, N. Y. Pocketknives. 220,811; Dec. 15.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

**PUBLISHED FOR OPPOSITION.**

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Vacupometer Co., The. (See Bernell, Solomon M.)
Velvette Manufacturing Company. (See Hale, Sara F.)
Vincent Bach Corporation, New York, N. Y. Musical Instruments. 218,840–2; Dec. 15.
Von Steinner and Baumgartner Co., The, Washington, D. C. Finger rings. 220,812; Dec. 15.
W. W. Chemical Co., Detroit, Mich. Preparation for the treatment of goiter. 222,355; Dec. 15.
Ward Manufacturing Co., Inc., Chicago, Ill. Radio receiving sets and parts thereof, loud speakers, etc. 221,393; Dec. 15.
Warren, Joseph A., doing business as War On Dirt Chemical Co., Manchester, N. H. Polishing and scouring cleanser. 221,465; Dec. 15.
Waterhouse & Lester Co., San Francisco, Calif. Automobile top fabric. 212,114; Dec. 15.
Waterson, May, doing business as Universal Phonograph Company Manufacturers, New York, N. Y. Phonographs. 210,592; Dec. 15.
Weathersby-Brunner Co., Linden Station, Memphis, Tenn. Coffee, spices, and extracts. 219,464; Dec. 15.
Weber, Frank C., & Co., Chicago, Ill. Mace, celery salt, chili powder, pepper, canned pork and beans, etc. 218,277; Dec. 15.
Weil, Joseph, & Sons, Inc., Chicago, Ill. Wrapping paper 220,004; Dec. 15.
Weis Manufacturing Company, The, Monroe, Mich. Filing and indexing systems and devices. 220,267; Dec. 15.
Western Cartridge Company, East Alton, Ill. Shot shells. 222,898; Dec. 15.
Western Crucible Steel Casting Co., Minneapolis, Minn. Metal castings. 222,358; Dec. 15.
Wetmore Reamer Company, Milwaukee, Wis. Reamers. 221,578; Dec. 15.
Wever, George H., St. Joseph, Mo. Hair tonic. 222,649; Dec. 15.
White-Haines Optical Co., The, Columbus, Ohio. Spectacles, spectacle frames, and ophthalmic lenses. 220,929–30; Dec. 15.
White-Haines Optical Co., The, Columbus, Ohio. Spectacles, spectacle frames, and ophthalmic lenses. 220,933; Dec. 15.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 207,430; Dec. 15.
Williams, Estella, Newark, N. J. Hair growers, hair-dressings, hair pomades, and shampoos. 214,985; Dec. 15.
Williams, Villor P., assignor to Miriam S. F. Williams, Baltimore, Md. Automobile parking devices. 219,565; Dec. 15.
Wilson-Western Sporting Goods Co., Chicago, Ill. Tennis rackets. 220,433–4; Dec. 15.
Wilson-Western Sporting Goods Co., Chicago, Ill. Tennis rackets. 220,436; Dec. 15.
Wilson-Western Sporting Goods Co., Chicago, Ill. Golf clubs. 220,437; Dec. 15.
Wohl, L., & Co., New York, N. Y. Children's dresses, boys' suits, and creepers. 222,533; Dec. 15.
Wolff, M., & Sons, Chicago, Ill. Cucumbers. 218,783; Dec. 15.
Wood & Hyde Company, Gloversville, N. Y. Leather. 221,525; Dec. 15.
Woodley Soap Manufacturing Company, Roxbury, Mass. Soap. 215,612; Dec. 15.
Woolsen Spice Company, The, Toledo, Ohio. Coffee. 221,795; Dec. 15.
Wyoming Boiler Compound Co., Douglas, Wyo. Compounds for use in boilers for steam-generating plants for radiators or automobiles. 221,041; Dec. 15.
Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Steel plates and sheets. 222,535; Dec. 15.
Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Steel sheets, plates, and bars. 222,537; Dec. 15.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

## CLASS 1.

Coal. Logan County Coal Corporation. 206,916; Dec. 15; Serial No. 216,683; published Sept. 15, 1925.
Leather, Sole. S. H. Frank & Co. 50,209; renewed Mar. 6, 1926.
Seeds. Albert Dickinson Company. 48,831; renewed Jan. 16, 1926.
Seeds. Albert Dickinson Company. 49,834–8; renewed Feb. 20, 1926.

## CLASS 2.

Boxes. Fiber-board. Robert Gaylord Incorporated. 206,963; Dec. 15; Serial No. 215,145; published Sept. 29, 1925.

## CLASS 4.

Cleansing or scouring compound. Enoch Morgan's Sons Company. 49,646; renewed Feb. 13, 1926.
Polishes and stove varnishes, Stove. John M. Wolf Company. 50,379; renewed Mar. 13, 1926.
Soap. James S. Kirk & Company. 206,984; Dec. 15; Serial No. 192,829; published May 19, 1925.
Soap. Van Camp Packing Company. 207,113; Dec. 15.
Soap, Borax. Pacific Coast Borax Company. 50,383; renewed Mar. 13, 1926.
Soap, Borax. Pacific Coast Borax Company. 50,555; renewed Mar. 20, 1926.
Soaps. Pfeiffer Chemical Company. 207,121; Dec. 15.

## CLASS 5.

Adhesive tape or cloth. Okonite Company. 48,515; renewed Jan. 2, 1926.
Cement, Leather and rubber. Eclipse Cement & Blacking Co. 51,419; renewed Apr. 17, 1926.

## CLASS 6.

Acid solvent, Uric-. Dr. Haskins Co. 49,299; renewed Jan. 30, 1926.
Blue, Washing. Sawyer Crystal Blue Company. 50,918; renewed Apr. 3, 1926.
Blue, Washing. Sawyer Crystal Blue Company. 51,455; renewed Apr. 17, 1926.
Henna preparation for coloring or tinting the hair. J. Schanzenbach and Company. 207,053; Dec. 15; Serial No. 208,072; published Feb. 24, 1925.
Medicinal preparation. C. D. Bradham. 51,314; renewed Apr. 10, 1926.
Medicines, Proprietary. L. M. Kazunas. 48,418; renewed Dec. 26, 1925.
Perfumery, toilet waters, extracts, and cologne. D. R. Bradley & Son. 47,215; renewed Oct. 31, 1925.
Radium and radium preparations. A. E. Kay, M. D. 207,106; Dec. 15.
Soda. Huiman & Co. 47,968; renewed Nov. 28, 1925.
Starch, Powdered laundry. Faultless Starch Co. 51,025; renewed Apr. 3, 1926.

## CLASS 9.

Cartridges, Purox Company. 207,039; Dec. 15; Serial No. 207,146; published Oct. 6, 1925.
Matches. Dougal Bros. 207,060; Dec. 15; Serial No. 218,744; published Oct. 6, 1925.
Matches. Eesti tikutööstus "Lendra" A.-S. 206,959; Dec. 15; Serial No. 213,016; published July 21, 1925.
Matches. Eesti tikutööstus "Lendra" A.-S. 206,961; Dec. 15; Serial No. 213,557; published July 21, 1925.

## CLASS 10.

Limestone, Agriculture and lawn. Ohio Marble Company. 207,062; Dec. 15; Serial No. 218,499; published Sept. 29, 1925.
Phosphate, Bone. Baugh & Sons Company. 49,371; renewed Feb. 6, 1926.

## CLASS 11.

Carbon paper and typewriter ribbon. Phillips Ribbon & Carbon Co. 206,919–20; Dec. 15; Serial Nos. 216,930–1; published Sept. 15, 1925.
Inks, ink ribbons, and carbon paper. Greif-Werke vormals Deutsche Bürobedarfsgesellschaft Bruer & Co. 207,004; Dec. 15; Serial No. 209,163; published Sept. 8, 1925.
Inks, Printing and lithographic. Charles Eneu Johnson and Company. 206,938; Dec. 15; Serial No. 203,681; published Sept. 15, 1925.

## CLASS 12.

Bricks for lining stoves and furnaces, Fire. S. D. Norton. 52,548; renewed May 15, 1926.
Cement, Portland. Dexter Portland Cement Company. 49,029; renewed Jan. 23, 1926.
Cement, Portland. Kansas Portland Cement Co. 50,877; renewed Apr. 3, 1926.
Cement, Portland. Lehigh Portland Cement Co. 49,238; renewed Jan. 30, 1926.
Closets, Hanging. N. Paine. 207,114; Dec. 15.
Papers prepared with moisture-resistant substances. Standard Paint Company. 48,742; renewed Jan. 9, 1926.
Roofing, etc., from artificial stone. Sté. Ame. Éternit. 206,903; Dec. 15; Serial No. 214,508; published Sept. 22, 1925.
Roofing, Ready tar and felt. Barrett Manufacturing Company. 47,263; renewed Oct. 31, 1925.
Roofing, Ready tar and felt. Barrett Manufacturing Company. 48,117; renewed Dec. 12, 1925.
Tiles. Barrett Manufacturing Company. 47,818; renewed Nov. 21, 1925.



Waterproof fabric, Flexible. Standard Paint Company. 50,919; renewed Apr. 3, 1926.

## CLASS 13.

Valve members, seats, and rings, Metal. Fisher Governor Company. 207,054; Dec. 15; Serial No. 214,243; published Sept. 29, 1925.

## CLASS 14.

Castings, Steel. Walworth Manufacturing Company. 207,067; Dec. 15; Serial No. 218,225; published Sept. 29, 1925.
Sheets and bars and sheathing of brass or copper or alloys thereof. Taunton-New Bedford Copper Company. 47,439; renewed Nov. 7, 1925.

## CLASS 15.

Candles. Kay and Ellinger Inc. 206,982; Dec. 15; Serial No. 186,956; published Sept. 29, 1925.
Gasoline and lubricating oils. R. M. Housel. 206,971; Dec. 15; Serial No. 217,462; published Sept. 15, 1925.
Gasoline, illuminating oils, lubricating oils and greases, and liquid motor fuels. American Oil Company. 206,898; Dec. 15; Serial No. 208,032; published Sept. 22, 1925.
Gasoline, lubricating oils and greases. W. J. Ryan Corporation. 206,956; Dec. 15; Serial No. 211,870; published Oct. 6, 1925.
Oil, Lubricating. F. J. Marcucci. 206,885; Dec. 15; Serial No. 198,193; published Sept. 15, 1925.
Oils and greases, and gasoline, Lubricating. Central Commercial Company. 206,966; Dec. 15; Serial No. 216,016; published Sept. 8, 1925.
Oils, Fuel. Pollard Oil Company. 206,889; Dec. 15; Serial No. 200,690; published Sept. 9, 1924.
Oils, Fuel and lubricating. A. T. Locke. 206,950; Dec. 15; Serial No. 209,129; published Sept. 8, 1925.
Oils, Lubricating. Illinois Graphite Company. 206,883; Dec. 15; Serial No. 192,769; published Aug. 18, 1925.
Oils, Lubricating. Yale & Towne Manufacturing Company. 206,965; Dec. 15; Serial No. 215,611; published Sept. 22, 1925.
Oils, lubricating oils and greases, Fuel. Pollard Oil Company. 206,888; Dec. 15; Serial No. 200,689; published Nov. 18, 1924.
Petroleum and products of petroleum. Standard Oil Company of New York. 206,968; Dec. 15; Serial No. 216,801; published Sept. 29, 1925.

## CLASS 16.

Antifouling compositions in the form of paint. Everclean Antifoulings Limited. 206,939; Dec. 15; Serial No. 202,862; published Sept. 15, 1925.
Lacquer. Egyptian Lacquer Manufacturing Company. 207,029; Dec. 15; Serial No. 215,897; published Oct. 6, 1925.
Paint, Cold-water. J. E. Harris Company. 206,900; Dec. 15; Serial No. 213,971; published Sept. 22, 1925.
Paint enamel. Chicago White Lead & Oil Co. 207,091; Dec. 15.
Paint enamels. Paraffine Companies, Inc. 206,946; Dec. 15; Serial No. 190,353; published Sept. 15, 1925.
Paint for metallic roofs, Liquid. L. C. Brown. 49,044; renewed Feb. 27, 1926.
Paints and varnishes. M. Buten & Sons. 207,050; Dec. 15; Serial No. 213,952; published Sept. 29, 1925.
Paints and varnishes. Payson Varnish Company. 206,915; Dec. 15; Serial No. 216,635; published Sept. 15, 1925.
Paints and varnishes, Paste. Payson Varnish Company. 206,914; Dec. 15; Serial No. 216,559; published Sept. 15, 1925.
Paints, Asphaltic-base. R. M. Lucas. 206,985; Dec. 15; Serial No. 192,707; published Oct. 6, 1925.
Paints, colors, and varnishes. Buckeye Paint & Varnish Co. 206,948; Dec. 15; Serial No. 191,998; published Sept. 15, 1925.
Paints, enamels, varnishes, and paint remover. C. W. Sockett. 207,008; Dec. 15; Serial No. 209,877; published June 9, 1925.
Paints, finishes enamels, etc. Sherwin-Williams Company. 206,908; Dec. 15; Serial No. 216,230; published Aug. 11, 1925.
Polish, Automobile and furniture. C. Gring. 206,941; Dec. 15; Serial No. 202,249; published Sept. 22, 1925.
Polishes, aluminum bronze, rim paint, etc., Auto and furniture. Livingston Co. 206,901; Dec. 15; Serial No. 214,025; published Sept. 22, 1925.
Polishes, Automobile. P. M. Cox. 207,003; Dec. 15; Serial No. 208,457; published Sept. 29, 1925.
Putty and glazing compounds. Mack Paint Products Company. 207,018; Dec. 15; Serial No. 213,717; published Sept. 22, 1925.
Shellac, paint enamel, etc., Prepared. H. L. Greenbaum. 207,016; Dec. 15; Serial No. 213,437; published Sept. 22, 1925.
Varnishes, paint enamels, stains, etc. Great Lakes Varnish Works, Inc. 207,014; Dec. 15; Serial No. 213,298; published Sept. 29, 1925.
White lead in oil, dry white lead. Euston Lead Company. 207,107; Dec. 15.

## CLASS 17.

Cigars. Alles & Fisher. 46,173; renewed Sept. 12, 1925.

## CLASS 19.

Automobiles and parts thereof. Adolph Saurer, Inc. 207,122; Dec. 15.
Brake shoes. American Brake Shoe & Foundry Company. 50,122; renewed Mar. 6, 1926.
Canoes. J. H. Rushton. 47,437; renewed Nov. 7, 1925.
Shock absorbers. E. R. Wagner Mfg. Company. 207,117; Dec. 15.

## CLASS 21.

Amplifiers and resistance units. Daven Radio Corporation. 207,017; Dec. 15; Serial No. 213,698; published Sept. 15, 1925.
Cat whiskers, crystals, and crystal receiving sets. U. C. Battery & Electric Co. 206,957; Dec. 15; Serial No. 212,307; published Sept. 22, 1925.
Circuit breakers, Automatic. Cutler Electrical and Manufacturing Company. 206,925; Dec. 15; Serial No. 217,262; published Sept. 8, 1925.
Clippers, Electrically-operated hair. E. V. N. Tomasulo. 207,082; Dec. 15; Serial No. 175,037; published Aug. 11, 1925.
Condensers, Duplex Condenser & Radio Corporation. 206,976; Dec. 15; Serial No. 218,688; published Sept. 22, 1925.
Conduit and pipe connecters, Electrical. Groundulet Company. 206,907; Dec. 15; Serial No. 215,743; published Sept. 8, 1925.
Dynamos, electric motors, radio receiving sets, etc. Sachsenwerk, Licht- und Kraft-Aktiengesellschaft. 207,015; Dec. 15; Serial No. 213,320; published Sept. 8, 1925.
Electric batteries. Hytone Battery Mfg. Co. 206,923; Dec. 15; Serial No. 216,979; published Sept. 15, 1925.
Electric generators and motors and parts of same. Dynamo-. Lancashire Dynamo and Motor Company Limited. 207,012; Dec. 15; Serial No. 212,497; published Sept. 8, 1925.
Electric-lighting equipment. Sun-Ray Lighting Products, Inc. 206,895; Dec. 15; Serial No. 206,646; published Sept. 22, 1925.
Electric-lighting fixtures. Symbolite Company. 206,921; Dec. 15; Serial No. 216,949; published Sept. 15, 1925.
Electric plugs and plug receptacles. Crouse-Hinds Company. 206,886; Dec. 15; Serial No. 198,455; published Sept. 22, 1925.
Electric terminals. W. Stevens. 206,977; Dec. 15; Serial No. 218,832; published Sept. 22, 1925.
Electrical apparatus. Pacent Electric Company. 207,074; Dec. 15; Serial No. 217,734; published Oct. 6, 1925.
Electrical connecters for pipe and conduit. Groundulet Company. 207,071; Dec. 15; Serial No. 217,874; published Oct. 6, 1925.
Electrical contact-making brushes, carbon regulator disks, and carbon contacts. Ohio Carbon Company. 207,087; Dec. 15.
Electrical wires and cables, radio apparatus, etc. Packard Electric Company. 207,011; Dec. 15; Serial No. 212,028; published Sept. 15, 1925.
Electrical wiring, Junction-boxes for. J. S. Gleason. 47,361; renewed Oct. 31, 1925.
Elevators, Electric freight and passenger. American Elevator & Machine Company. 207,079; Dec. 15; Serial No. 217,494; published Oct. 6, 1925.
Fans, motors, and parts thereof and radio receiving sets and loud speakers and parts, Electric. Dayton Fan and Motor Company. 207,020; Dec. 15; Serial No. 215,141; published Oct. 6, 1925.
Flatirons, Electric. Chicago Flexible Shaft Company. 207,109; Dec. 15.
Fuses, Inclosed electric. Johns-Pratt Co. 48,403; renewed Dec. 26, 1925.
Horns, Electrical signal. American Bosch Magneto Corporation. 207,081; Dec. 15; Serial No. 217,319; published Oct. 6, 1925.
Insulating compound, Electrical. Star Porcelain Company. 207,104; Dec. 15.
Insulating compound, Rubber. Okonite Company. 47,349; renewed Oct. 31, 1925.
Lamps and batteries, Incandescent. Chas. R. Ablett. 206,912; Dec. 15; Serial No. 216,874; published Sept. 15, 1925.
Lamps, Incandescent Electric. Columbia Incandescent Lamp Co. 49,084; renewed Jan. 23, 1926.
Lamps, Mercury-vapor arc. Cooper Hewitt Electric Company. 206,947; Dec. 15; Serial No. 199,151; published Sept. 8, 1925.
Lighting fixtures. Biltmore Lighting Fixture Co. 206,910; Dec. 15; Serial No. 216,317; published Sept. 15, 1925.
Loud-speaker units. Blood Tone Arm Company. 206,972; Dec. 15; Serial No. 218,098; published Sept. 22, 1925.
Radio apparatus. F. L. Fausch. 207,089; Dec. 15.
Radio apparatus and parts thereof, Condensers and sockets for vacuum tubes for. Nelson Tool Company. 207,009; Dec. 15; Serial No. 210,976; published Sept. 8, 1925.
Radio apparatus, Detector and amplifier tubes for. Q R S Music Company. 206,975; Dec. 15; Serial No. 218,658; published Sept. 22, 1925.

Radio apparatus. Dials for. Brooklyn Metal Stamping Corp. 206,929; Dec. 15; Serial No. 218,286; published Sept. 22, 1925.
Radio electron or vacuum tubes. Z. West 3rd. 206,909; Dec. 15; Serial No. 216,311; published Sept. 15, 1925.
Radio loud speakers. Gale Radio Laboratories. 207,007; Dec. 15; Serial No. 209,782; published Sept. 15, 1925.
Radio loud speakers, Sound-amplifying horns for. Fiber Products Company. 206,980; Dec. 15; Serial No. 184,164; published Oct. 6, 1925.
Radio panels and specially-treated wood products. Battelle & Hopkins Co. 206,996; Dec. 15; Serial No. 205,726; published Oct. 6, 1925.
Radio receiving and transmitting sets, condensers etc. Aktiebolaget Baltic. 206,944; Dec. 15; Serial No. 199,335; published Sept. 15, 1925.
Radio receiving, detecting, and transmitting sets and parts thereof. Daven Radio Corporation. 206,974; Dec. 15; Serial No. 218,393; published Sept. 22, 1925.
Radio receiving sets. Nu-Tone Radio Company. 206,904; Dec. 15; Serial No. 214,560; published Sept. 8, 1925.
Radio receiving sets. Phenix Radio Corporation. 206,958; Dec. 15; Serial No. 212,866; published Sept. 22, 1925.
Radio receiving sets and parts thereof. Amerex Electric Corporation. 206,949; Dec. 15; Serial No. 209,018; published Sept. 15, 1925.
Radio receiving sets and parts thereof. Langbein-Kaufman Radio Co. 207,075; Dec. 15; Serial No. 217,716; published Oct. 6, 1925.
Radio receiving sets and parts thereof. Pilot Electric Manufacturing Company. 206,973; Dec. 15; Serial No. 218,141; published Sept. 22, 1925.
Radio receiving sets and parts thereof. Radio Corporation of America. 207,120; Dec. 15.
Radio receiving sets and parts therefor and aerial-wire batteries. S. S. Spring. 206,954; Dec. 15; Serial No. 211,062; published Sept. 22, 1925.
Radio receiving sets, parts thereof, loud speakers, and loop antennæ therefor. Reichmann Company. 206,952; Dec. 15; Serial No. 210,189; published Sept. 22, 1925.
Radio receiving sets, radio-frequency transformers, etc. Allen D. Cardwell Manufacturing Corporation. 207,101; Dec. 15.
Radiotubes, Thermionic vacuum. Radio Essentials Corporation. 206,960; Dec. 15; Serial No. 213,256; published July 28, 1925.
Radio vacuum tube. W. S. Lefebre. 207,059; Dec. 15; Serial No. 214,389; published Oct. 6, 1925.
Radio vacuum tubes. J. W. Duff. 206,926-7; Dec. 15; Serial Nos. 217,763–4; published Sept. 15, 1925.
Resistances, Variable. Connecticut Telephone & Electric Company. 206,905; Dec. 15; Serial No. 214,647; published Sept. 15, 1925.
Rheostats, meters, heating pads, and the like, Resistance wire for. H. Boker & Co. 206,978; Dec. 15; Serial No. 218,896; published Sept. 22, 1925.
Signals and indicators, Electrically-illuminated direction. V. Oliver. 206,951; Dec. 15; Serial No. 209,236; published Sept. 22, 1925.
Signs, Electrical. Willey Sign Co. 207,018; Dec. 15; Serial No. 212,872; published Sept. 15, 1925.
Sockets for vacuum tubes. Benjamin Electric Manufacturing Company. 206,986; Dec. 15; Serial No. 197,467; published Oct. 6, 1925.
Solder pots, Electric. W. W. Hansen. 206,955; Dec. 15; Serial No. 211,095; published Sept. 22, 1925.
Spark timers. C. E. Vail. 207,084; Dec. 15.
Storage batteries and plates. Carlile & Doughty, Inc. 206,922; Dec. 15; Serial No. 219,965; published Sept. 15, 1925.
Switch boxes, outlet boxes and covers, ground clamps, etc. Roach-Appleton Manufacturing Company. 206,988; Dec. 15; Serial No. 198,258; published Oct. 6, 1925.
Telephone jacks. Brooklyn Metal Stamping Corp. 206,918; Dec. 15; Serial No. 216,872; published Sept. 15, 1925.
Telephone transmitters, Muffler attachment for. E. L. Beard. 207,028; Dec. 15; Serial No. 215,768; published Oct. 6, 1925.
Toasters, Electric. Edison Electric Appliance Company. 206,936; Dec. 15; Serial No. 204,546; published Sept. 15, 1925.
Transformers and radio receiving sets, Audio-frequency. Kellogg Switchboard and Supply Co. 206,899; Dec. 15; Serial No. 208,524; published Sept 22, 1925.
Vacuum tubes for radio purposes, Electric. J. Knapp. 206,928; Dec. 15; Serial No. 218,258; published Sept. 22, 1925.
Waffle irons, pancake irons, and waffle and pancake irons, Electric. Majestic Electric Development Co. 206,881; Dec. 15; Serial No. 167,408; published Sept. 15, 1925.

CLASS 22.

Bats, Base-ball. J. F. Hillerich & Son. 50,812; renewed Apr. 8, 1926.
Dolls. Abraham & Straus. 51,695; renewed Apr. 24, 1926.
Golf Clubs. A. J. Reach Company. 206,983; Dec. 15; Serial No. 205,442; published Mar. 24, 1925.

CLASS 23.

Fire-extinguishing apparatus, Automatic. International Sprinkler Co. 50,274; renewed Mar. 6, 1926.
Hammers. A. R. Robertson. 49,590; renewed Feb. 13, 1926.
Knitting machines and needles for and parts of knitting machines. Edouard Dubied & Cie., Société Anonyme. 207,094; Dec. 15.
Knitting machines, Needles for. Edouard Dubied & Cie., Société Anonyme. 207,093; Dec. 15.
Knives or cutters, Machine. Loring Coes & Company. 47,186; renewed Oct. 31, 1925.
Pumps, Tire. Holstein Manufacturing Co. 207,110; Dec. 15.
Saw tools, Morin Saw Gauge Manufacturing Co. 207,100; Dec. 15.
Spoons, Wooden. John H. Mulholland Company. 207,108; Dec. 15.
Tools, Armstrong Mfg. Co. 51,810; renewed Apr. 10, 1926.
Wrenches, Adjustable screw. Coes Wrench Co. 47,178; renewed Oct. 10, 1925.

CLASS 24.

Clothes or laundry washing machines. J. N. Adams & Co. 206,906; Dec. 15; Serial No. 215,545; published Sept. 22, 1925.
Ironing tables and washboards, Folding. National Washboard Company. 207,064; Dec. 15; Serial No. 218,318; published Oct. 6, 1925.
Washing machines. Minimax Utilities Association. 207,044; Dec. 15; Serial No. 210,742; published Oct. 6, 1925.

CLASS 26.

Metering and controlling the physical condition of agitated materials, Apparatus used in. Farrell and Turnbow. 207,073; Dec. 15; Serial No. 217,765; published Sept. 29, 1925.
Photographic dry plates. Hammer Dry Plate Company. 50,931; renewed Apr. 3, 1926.
Picture projectors, Motion-. Acme Motion Picture Projector Company. 207,024; Dec. 15; Serial No. 215,431; published Sept. 29, 1925.

CLASS 27.

Clocks and watches. American Wholesale Corporation (Baltimore Bargain House). 206,913; Dec. 15; Serial No. 216,376; published Sept. 8, 1925.
Watches. E. Ingraham Company. 207,083; Dec. 15.

CLASS 28.

Clasp, Garment. Holdsem Patent Clasp Company. 207,103; Dec. 15.
Jewelry. Delta Sigma Phi Fraternity Inc. 207,077; Dec. 15; Serial No. 217,546; published Oct. 6, 1925.
Rings, charms, bracelets, brooches, etc. Joseph Mazer Company. 207,078; Dec. 15; Serial No. 217,523; published Oct. 6, 1925.
Rings, Finger. W. H. Corbould. 206,945; Dec. 15; Serial No. 185,007; published Sept. 15, 1925.

CLASS 30.

China, etc., dishes and sets of dishes. Saxon China Company. 206,969; Dec. 15; Serial No. 217,114; published Oct. 6, 1925.

CLASS 32.

Cabinets, Kitchen. C. P. McDougall. 49,213; renewed Jan. 30, 1926.
Chests, Cedar. G. S. Stewart Company. 207,097; Dec. 15.
Table extension slides. Watertown Table-Slide Company. 207,115; Dec. 15.
Tea wagon. Servette Co. 206,880; Dec. 15; Serial No. 154,112; published Sept. 1, 1925.

CLASS 33.

Glass electric globes and glass shades. Phoenix Glass Co. 49,741; renewed Feb. 13, 1926.

CLASS 34.

Boilers, Steam and hot-water. Gurney Heater Manufacturing Company. 207,118–19; Dec. 15.
Furnaces. Lennox Furnace Co. 51,799; renewed Apr. 24, 1926.
Stoves, furnaces, and ranges. Favorite Stove & Range Co. 48,952; renewed Jan. 16, 1926.

CLASS 35.

Canvas, stitched, and balata belting. New York Leather Belting Co. 49,479; renewed Feb. 6, 1926.
Hose. Purox Company. 206,896; Dec. 15; Serial No. 207,147; published Sept. 29, 1925.
Pistons, Inner rings for. Cleveland Inner Ring Company. 207,085; Dec. 15.
Tires, Pneumatic. Continental Caoutchouc Company. 45,643; renewed Aug. 22, 1925.
Tires, solid and pneumatic; and india-rubber cover bandages, repair sheets, etc. Continental Caoutchouc Company. 46,595; renewed Sept. 28, 1925.



CLASS 36.

Chord-playing mechanism, Manually-operated. D. Talmage. 207,001; Dec. 15; Serial No. 208,169; published Sept. 8, 1925.
Musical instruments of the zither type. Bosstone Company. 207,021; Dec. 15; Serial No. 215,129; published Oct. 6, 1925.
Phonographs. Broadcaster Corporation. 206,934; Dec. 15; Serial No. 204,696; published June 23, 1925.
Phonographs, talking machines, pianos, and player pianos. May Department Stores Company. 207,046; Dec. 15; Serial No. 212,276; published Oct. 6, 1925.
Pianos. Weydig Piano Corporation. 207,061; Dec. 15; Serial No. 218,515; published Oct. 6, 1925.
Pianos and piano players. Aeolian Company. 47,686; renewed Nov. 14, 1925.
Pianos comprising pneumatically-controlled playing mechanisms. Aeolian Company. 47,765; renewed Nov. 21, 1925.
Pianos, player pianos, and reproducing pianos. Hardman, Peck & Co. 207,096; Dec. 15.
Plectrum instruments. A. D. Keech. 206,999; Dec. 15; Serial No. 208,054; published Sept. 15, 1925.
Violins. Jackson-Guldan Violin Co. 207,090; Dec. 15.
Wind instruments, Reeds for orchestral. M. Dunand. 206,993; Dec. 15; Serial No. 203,794; published Sept. 29, 1925.

CLASS 37.

Paper, Blotting. Eaton-Dikeman Co. 49,243; renewed Jan. 30, 1926.
Paper, Blotting. Eaton-Dikeman Co. 51,762; renewed Apr. 24, 1926.
Paper, Bond. W. E. Wroe & Company. 49,174; renewed Jan. 23, 1925.
Paper, paper towels and napkins, Toilet and crêpe. Fort Howard Paper Company. 206,994; Dec. 15; Serial No. 205,692; published May 26, 1925.
Paper, Writing. Chapin & Gould Paper Co. 51,188; renewed Apr. 10, 1926.
Pencils. C. E. Parker. 206,998; Dec. 15; Serial No. 207,201; published Feb. 10, 1925.

CLASS 38.

Lithographs, Art. Raphael Tuck and Sons Co. 49,130; renewed Jan. 23, 1926.
Magazine, Monthly. Ohio Federation of Women's Clubs. 206,953; Dec. 15; Serial No. 210,746; published July 7, 1925.
Publication, Monthly. S. Lang. 206,964; Dec. 15; Serial No. 215,212; published Aug. 18, 1925.

CLASS 39.

Boots and shoes. Ground Gripper Shoe Company. 207,023; Dec. 15; Serial No. 215,250; published Sept. 8, 1925.
Boots and shoes, Leather. Geo. D. Witt Shoe Co. 46,790; renewed Oct. 10, 1925.
Boots and shoes, Leather. Geo. D. Witt Shoe Co. 46,983; renewed Oct. 17, 1925.
Boots and shoes, Leather. Geo. D. Witt Shoe Co. 47,896; renewed Nov. 28, 1925.
Boots and shoes, Leather. Geo. D. Witt Shoe Co. 48,477; renewed Jan. 2, 1926.
Boots and shoes, Leather and canvas. Geo. E. Keith Company. 49,811; renewed Feb. 20, 1926.
Boots and shoes, Leather and canvas. Geo. E. Keith Company. 51,496; renewed Apr. 17, 1926.
Gloves. Fownes Brothers & Co. 45,656; renewed Aug. 29, 1925.
Gloves and mittens. Joseph N. Eisendrat Company. 50,213; renewed Mar. 6, 1926.
Hosiery. Marietta Knitting Co. 50,982; renewed Apr. 3, 1926.
Mittens and gloves. C. D. Osborn Co. 207,045; Dec. 15; Serial No. 211,845; published Sept. 29, 1925.
Shirts. Cluett, Peabody & Co. 49,050; renewed Jan. 23, 1926.
Shirts, collars, and cuffs. Cluett, Peabody & Co. 50,770; renewed Mar. 27, 1926.
Suits and overcoats, Men's and boys'. Hecht Co. 207,102; Dec. 15.
Uniforms, ladies' aprons, nightgowns, etc., Nurses' and maids'. Nathan & Daniel. 207,019; Dec. 15; Serial No. 215,088; published Sept. 22, 1925.

CLASS 40.

Bouquets, Artificial. Gotham Silk Hosiery Company. 206,911; Dec. 15; Serial No. 216,336; published Sept. 15, 1925.
Buttons. London Button Co. 206,924; Dec. 15; Serial No. 217,226; published Sept. 22, 1925.
Combs. American Hard Rubber Company. 207,086; Dec. 15.
Combs and hair pieces. J. Notovitz, Inc. 207,010; Dec. 15; Serial No. 211,286; published Sept. 22, 1925.
Dress and coat shields. S. Johnston. 206,917; Dec. 15; Serial No. 216,784; published Sept. 22, 1925.
Hair curlers. D. D. Nielsen. 206,902; Dec. 15; Serial No. 214,028; published Sept. 22, 1925.
Hair goods. Paristyle Novelty Co. 206,930; Dec. 15; Serial No. 207,591; published Aug. 25, 1925.
Hooks and eyes. Unique Manufacturing Company. 49,786–7; renewed Feb. 13, 1926.
Millinery supplies. National Department Stores Inc. 206,942; Dec. 15; Serial No. 200,513; published Sept. 8, 1925.
Pins, Dressmakers'. E. Sparke. 207,002; Dec. 15; Serial No. 208,317; published Aug. 25, 1925.
Waistband. Perfect Waistband Company. 206,931; Dec. 15; Serial No. 206,747; published Aug. 25, 1925.

CLASS 42.

Carpets. Morris and Company. 51,085; renewed Apr. 3, 1926.
Cotton piece goods. J. L. Stifel & Sons. 207,026; Dec. 15; Serial No. 215,598; published Sept. 29, 1925.
Cotton piece goods. J. L. Stifel & Sons. 207,027; Dec. 15; Serial No. 215,660; published Sept. 29, 1925.
Sheets and pillowcases, Textile. Fort Mill Manufacturing Co. 207,049; Dec. 15; Serial No. 213,896; published Sept. 29, 1925.
Silk piece goods. Wechsler Barber Silk Company. 206,948; Dec. 15; Serial No. 200,074; published May 12, 1925.
Suiting in the piece, Cotton. Ely & Walker Dry Goods Company. 207,041; Dec. 15; Serial No. 208,966; published Sept. 29, 1925.
Suiting in the piece, Cotton. Ely & Walker Dry Goods Company. 207,042; Dec. 15; Serial No. 208,971; published Sept. 29, 1925.
Veils and silk goods in the piece. Vanity Fair Silk Mills. 207,048; Dec. 15; Serial No. 213,748; published Sept. 29, 1925.
Woolen cloths in the piece. S. Stein & Co. 207,105; Dec. 15.

CLASS 45.

Beverage and sirup for making same. Northwestern Extract Co. 206,940; Dec. 15; Serial No. 202,634; published Mar. 3, 1925.
Beverage, Nonalcoholic, noncereal, maltless. Lime Cola Bottling Company. 207,005; Dec. 15; Serial No. 209,579; published May 19, 1925.
Beverages and table waters. Standard Bottling Company. 206,935; Dec. 15; Serial No. 204,572; published Feb. 17, 1925.
Ginger ale. Del Monte Properties Company. 207,099; Dec. 15.
Ginger ale. White Rock Min. Spg. Co. 51,855; renewed Apr. 24, 1926.
Mineral spring water. Mountain Valley Springs Company. 51,448; renewed Apr. 17, 1926.

CLASS 46.

Biscuits, bread, buns, cake, etc. G. F. Jefferson. 207,032; Dec. 15; Serial No. 216,606; published Sept. 29, 1925.
Butter, ice cream, cheese, etc. Dairymen's League Co-Operative Association, Inc. 206,989; Dec. 15; Serial No. 199,044; published Sept. 15, 1925.
Cakes, Fried. Gump Baking Company. 207,043; Dec. 15; Serial No. 210,383; published Oct. 6, 1925.
Candies and chocolates of all kinds. Stephen F. Whitman & Son. 50,865–6; renewed Apr. 3, 1926.
Candy. H. W. Browne. 206,892; Dec. 15; Serial No. 204,747; published Sept. 1, 1925.
Candy. R. E. Rodda Candy Company. 207,076; Dec. 15; Serial No. 217,683; published Oct. 6, 1925.
Candy. Sauppe Candy Company. 206,921; Dec. 15; Serial No. 184,364; published Oct. 6, 1925.
Candy. Slade & Bullock Limited. 206,890; Dec. 15; Serial No. 201,515; published Sept. 22, 1925.
Candy. Sterling Chocolate Co., Inc. 207,006; Dec. 15; Serial No. 209,708; published Apr. 7, 1925.
Candy bars. Bradley, Smith Co. 206,990; Dec. 15; Serial No. 200,089; published Oct. 6, 1925.
Candy, Chocolate. Bishop & Company. 206,891; Dec. 15; Serial No. 204,536; published Dec. 16, 1924.
Candy tablets. Golden State Milk Products Company. 207,066; Dec. 15; Serial No. 218,254; Oct. 6, 1925.
Canned corn. Milford Canning Company. 207,112; Dec. 15.
Canned fruits and vegetables. E. Clemens Horst Co. 207,092; Dec. 15.
Canned fruits, jams, fruit preserves, jellies, and canned vegetables. W. H. Pride & Co. 207,116; Dec. 15.
Canned prunes. Drager Fruit Co. 206,991; Dec. 15; Serial No. 201,924; published Oct. 6, 1925.
Canned salmon. Alaska Consolidated Canneries, Inc. 207,080; Dec. 15; Serial No. 217,490; published Oct. 6, 1925.
Canned vegetables. R. Nelson. 207,068; Dec. 15; Serial No. 218,183; published Oct. 6, 1925.
Canned vegetables. Portland Packing Co. 47,496; renewed Nov. 7, 1925.
Canned vegetables. H. Truitt. 206,995; Dec. 15; Serial No. 205,716; published Oct. 6, 1925.
Cheese. Antonio Auricchio & Errico Auricchio. 206,893; Dec. 15; Serial No. 205,980; published Sept. 29, 1925.
Cheese. Auricchio & Auricchio. 206,997; Dec. 15; Serial No. 205,981; published Sept. 29, 1925.
Cheese. E. Cerruti. 206,967; Dec. 15; Serial No. 216,588; published Sept. 29, 1925.
Cheese, Cottage. Matthews Dairies Company. 207,080; Dec. 15; Serial No. 216,111; published Oct. 6, 1925.

Cheese, Grated. E. H. Locatelli. 207,052; Dec. 15; Serial No. 214,087; published Oct. 6, 1925.
Chocolate confections and bonbons. H. D. Foss & Co. 50,042; renewed Feb. 27, 1926.
Cocoa-chocolate combination, Prepared. Reid, Murdoch & Co. 206,987; Dec. 15; Serial No. 197,833; published Oct. 6, 1925.
Cocoa, vanilla, allspice, etc. J. R. Watkins Company. 207,040; Dec. 15; Serial No. 207,902; published Sept. 22, 1925.
Cocoanut, Prepared. Franklin Baker Co. 206,884; Dec. 15; Serial No. 197,754; published Sept. 22, 1925.
Coffee. Frey-Weaver Co. 207,033; Dec. 15; Serial No. 217,021; published Oct. 6, 1925.
Coffee. Maury-Cole Company. 207,035–7; Dec. 15; Serial Nos. 217,169-71; published Oct. 6, 1925.
Coffee. Tracy & Avery Co. 207,088; Dec. 15.
Coffee. John H. Wilkins Co. 207,055–7; Dec. 15; Serial Nos. 214,295-7; Oct. 6, 1925.
Coffee substitute. Lovit Company. 207,065; Dec. 15; Serial No. 218,316; published Oct. 6, 1925.
Feed, Cattle. Dock & Coal Co. 49,640; renewed Feb. 13, 1926.
Feed mixture. F. W. Simpson. 206,932; Dec. 15; Serial No. 206,697; published Mar. 10, 1925.
Feeds and food stuffs for poultry, cattle, etc. Edgar-Morgan Co. 207,031; Dec. 15; Serial No. 216,514; published Oct. 6, 1925.
Flour. Davis Milling Co. 51,056; renewed Apr. 3, 1926.
Flour, Pancake. Hacker-Jones-Jewell Milling Co. 207,047; Dec. 15; Serial No. 213,085; published Sept. 29, 1925.
Flour, Self-rising wheat. Dan Valley Mills. 206,970; Dec. 15; Serial No. 217,334; published Sept. 29, 1925.
Flour, Wheat. Commander Mill Company. 207,063; Dec. 15; Serial No. 218,472; published Sept. 22, 1925.
Flour, Wheat. Hebron Roller Mills. 206,882; Dec. 15; Serial No. 185,784; published Mar. 17, 1925.
Flour, Wheat. H. P. Hoyt. 206,937; Dec. 15; Serial No. 204,032; published Apr. 14, 1925.
Flour, Wheat. Nashville Roller Mills. 207,072; Dec. 15; Serial No. 217,832; published Oct. 6, 1925.
Flour, Wheat. Star Milling Company. 206,897; Dec. 15; Serial No. 207,692; published Apr. 21, 1925.
Food, Stock. Lambert Lictonic Company. 206,887; Dec. 15; Serial No. 200,323; published Sept. 29, 1925.
Foods, Poultry. J. T. Bell. 206,962; Dec. 15; Serial No. 215,042; published Sept. 29, 1925.
Fruits and vegetables. O. O. Eaton. 207,058; Dec. 15; Serial No. 214,406; published Oct. 6, 1925.
Grapes, Concentrated. V. Giatti. 207,022; Dec. 15; Serial No. 215,246; published Oct. 6, 1925.
Groats. Keen, Robinson & Company. 207,051; Dec. 15; Serial No. 218,975; published Oct. 6, 1925.
Ice cream. M. A. Roman. 206,979; Dec. 15; Serial No. 179,114; published Oct. 6, 1925.
Lard and lard compounds. Swift and Company. 51,051; renewed Apr. 3, 1926.
Lard substitutes. Aspegren & Co. 207,111; Dec. 15.
Linseed-oil-meal cake, Ground-. F. W. Simpson. 207,000; Dec. 15; Serial No. 208,164; published Mar. 17, 1925.
Lozenges. New England Confectionery Co. 47,885; renewed Nov. 28, 1925.
Macaroni, spaghetti, and vermicelli. Woodcock Macaroni Company. 49,369; renewed Jan. 3, 1926.
Milk, Malted. Thompson's Malted Food Company. 207,098; Dec. 15.
Oil, Corn. Bragno and Mustari. 206,894; Dec. 15; Serial No. 206,055; published Sept. 22, 1925.
Olives. C. Gulden. 48,459; renewed Jan. 2, 1926.
Oranges, lemons, and grapefruit. McPherson Heights Citrus Association. 207,034; Dec. 15; Serial No. 217,105; published Oct. 6, 1925.
Pears, peaches, plums, and apples, Fresh. Placerville Fruit Growers Association. 207,095; Dec. 15.
Pop corn. Albert Dickinson Company. 50,249; renewed Mar. 6, 1926.
Potatoes, Fried. Chip-O-Tato Corporation of America. 207,038; Dec. 15; Serial No. 217,258; published Oct. 6, 1925.
Poultry fattener. Illinois Feed & Elevator Company. 207,070; Dec. 15; Serial No. 217,882; published Sept. 29, 1925.
Sardines. B. Westergaard & Company. 206,992; Dec. 15; Serial No. 202,228; published Oct. 6, 1925.
Shortening. Best Foods, Inc. 207,025; Dec. 15; Serial No. 215,500; published Oct. 6, 1925.
Sugar. Postum Cereal Co. 47,581; renewed Nov. 7, 1925.
Sugar, table sirup, honey, cocoa, etc. P. A. F. Kuficke. 206,983; Dec. 15; Serial No. 187,628; published Sept. 29, 1925.
Tapioca. W. S. McKinley. 47,527; renewed Nov. 7, 1925.
Vinegar. Russell M. Hughes & Co. 46,719; renewed Oct. 3, 1925.
Zwieback. A. O. Weismann. 207,069; Dec. 15; Serial No. 217,973; published Oct. 6, 1925.

CLASS 47.

Wines, Bitter. J. Triner. 48,569; renewed Jan. 2, 1926.

## ALPHABETICAL LIST OF LABELS.

Chu's Herbalik For Rheumatism and Syphilis (written in Chinese). For A Liquid Compound for the Treatment of Rheumatism and Syphilis. Ng Gee Herb Co. 29,643; Dec. 15.
Dromedary Golden Dates Pitted. For Dates. Hills Brothers Company. 29,638; Dec. 15.
Florian. For Tooth Paste. Florian Inc. 29,636; Dec. 15.
For Home and Farm. For Pump and Water Systems. Fort Wayne Engineering & Manufacturing Company. 29,637; Dec. 15.
Hillview Honey. For Extracted Honey. C. R. Anderson. 29,632; Dec. 15.
Isabey. For Perfume. J. Mayer. 29,642; Dec. 15.
La Fete. For Cigars. American Beauty Cigar Co. 29,630; Dec. 15.
Lina Cavalieri. For Cosmetics. J. Mayer. 29,641; Dec. 15.
Malabar Candles. For Candles. R. B. Lawrence. 29,640; Dec. 15.
Mulsolax. For Mulsolax, a Medicinal Preparation. M. A. Barber. 29,633; Dec. 15.
No. 110 Appliance Cord Switch. For Appliance Cord Switches. Reynolds Spring Company. 29,645; Dec. 15.
Pik-Pik. For Ice Picks. Fletcher Works, Incorporated. 29,635; Dec. 15.
Sand's. For Spirit Levels. Sand's Level & Tool Co. 29,646; Dec. 15.
Skeeter-Skatter. For Mosquito Incense (Sticks). Karnack Studios. 29,639; Dec. 15.
The Old Dominion Quoits Set. For a Game. Old Dominion Iron & Steel Corp. 29,644; Dec. 15.
The Readmore Lending Library. For Bookcases, Bookracks, Grouped Book Shelves and Cases, Racks, Receptacles, and Groups of Shelves Filled with Books. American News Company. 29,631; Dec. 15.
Vupack Container. For a Container for Mailing Post Cards, Pictures and Like Articles. J. C. Bardell. 29,634; Dec. 15.
Wilco Super Mortar. For Mortar. Wellston Iron Furnace Co. 29,647; Dec. 15.
Wonder Gas. For a Compound Used in Producing Greater Utility in Automobile Gases. A. Allen. 29,629; Dec. 15.

## ALPHABETICAL LIST OF PRINTS.

Baby Ruth. For Candy. Curtiss Candy Company. 8,457; Dec. 15.
Honey Creme Cake. For Cake. E. West. 8,461; Dec. 15.
No. 110 a convenience switch for every cord. For a Convenience Switch. Reynolds Spring Company. 8,460; Dec. 15.
Pyramid Pedals. For Extension Foot Pedals for Automobiles. Metal Products Company. 8,458; Dec. 15.
Teachers! Send for Wall Chart on Children's Diet—Free. For Wheat Breakfast Food. Cream of Wheat Co. 8,456; Dec. 15.
The 'Blind Man' Quality Window Shades. For Window Shades and Blinds. William A. Rapp & Co. 8,459; Dec. 15.

# CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Clay, Modeling. Klex Manufacturing Company. 221,179; Dec. 15.
Coal. Himyar Coal Company. 221,609; Dec. 15.
Coal. Pocahontas Fuel Company. 221,204; Dec. 15.
Leather. Monarch Leather Company. 216,199; Dec. 15.
Leather. Wood & Hyde Company. 221,525; Dec. 15.
Paper makers, Cotton driers for. Joseph Porritt & Sons Limited. 216,358; Dec. 15.
Phenols and formaldehyde, Condensation products of. Bakelite Corporation. 221,584–5; Dec. 15.
Sand. Del Monte Properties Company. 220,275; Dec. 15.

CLASS 2.

Bags, Paper. Advance Bag and Paper Company. 222,541–5; Dec. 15.
Bags, Paper. Advance Bag and Paper Company. 222,550–3; Dec. 15.
Bags, Paper garment. Roseth Corporation. 222,634–5; Dec. 15.
Containers and cartons. Menasha Printing and Carton Company. 218,986; Dec. 15.
Packing and shipping cases, shooks, knockdown boxes, etc. Atlas Plywood Corporation. 220,630; Dec. 15.

CLASS 3.

Pocketbook and hand-bag frames and trimmings and harness trimmings. Bakelite Corporation. 221,588; Dec. 15.

CLASS 4.

Cleaner, Liquid glass. C-It Products Corporation. 220,498; Dec. 15.
Cleaning compounds, buffs, polishing and emery wheels, Metal-. Bruce Products Corporation. 222,219; Dec. 15.
Cleanser. Polishing and scouring. J. A. Warren. 221,465; Dec. 15.
Detergents, Dry-cleaning. American Disinfecting Company. 222,774; Dec. 15.
Preparation for cleaning, etc., leather and enameled goods. E. Brown & Son (Blacking and Boot Polish Manufacturers) Ltd. 219,027; Dec. 15.
Preparation for softening and strengthening leather. Amid Duron Company. 221,344; Dec. 15.
Razor strops. Koken Companies. 222,128; Dec. 15.
Soap. James S. Kirk & Company. 215,745; Dec. 15.
Soap. S. J. McAllister Co. 213,719; Dec. 15.
Soap. Palmolive Company. 222,870; Dec. 15.
Soap. John T. Stanley Co. 221,786; Dec. 15.
Soap, Flake. Woodley Soap Manufacturing Company. 215,612; Dec. 15.
Soap, soap powder, scouring powder, and metal polish, Oil and liquid. Masury-Young Company. 221,754; Dec. 15.
Soap, Toilet. Beaver Soap Company. 222,158; Dec. 15
Washing compound. Household Necessity Company. 189,937; Dec. 15.

CLASS 6.

Acetylene, oxygen, carbide, and welding flux. Acetylene Products Company, of El Paso, Texas. 222,652; Dec. 15.
Ammonia and bluing. American Stores Company. 220,819; Dec. 15.
Antifreezing solutions. Thermely Manufacturing Company. 221,985; Dec. 15.
Antiseptic and alkaline antiseptic solutions. S. W. Leidich. 222,927; Dec. 15.
Astringents and antiseptics. Heilkraft Medical Company. 222,983; Dec. 15.
Boll-weevil exterminators. Jac S. Cohen Co. 222,729; Dec. 15.
Cold remedy for babies. Pharmaceutical Research Corporation. 222,794; Dec. 15.
Coloring tablets. De Luxe Cake Decorator Company. 222,224; Dec. 15.
Composition for cleaning pipes. Cedar Sweep Co. 220,887; Dec. 15.
Compound of sarsaparilla and tonic capsules for scrofula, liver complaint, etc. Michigan Drug Co. 221,907; Dec. 15.
Compounds for use in boilers. Wyoming Boiler Compound Co. 221,041; Dec. 15.
Constipation treatment. G. E. Remick. 222,579; Dec. 15.
Cough medicine. T. H. Odeneal. 222,628; Dec. 15.
Cream, Pimple. L. E. Culver. 221,306; Dec. 15.
Deodorant preparation, Sanitary. Celma Company. 222,914; Dec. 15.
Disinfectants, Insecticides, etc. National Sanitary Products Co. 220,562; Dec. 15.
Dye, Liquid. Manrose Corporation. 222,267; Dec. 15.
Embalming fluid. Embalmers' Supply Company. 218,897; Dec. 15.
Embrocation or liniment. R. W. Brake. 222,660; Dec. 15.
Fire-extinguishing preparation. Flamite Corporation. 222,884; Dec. 15.
Hair growers, hairdressings, hair pomades, and shampoos. E. Williams. 214,985; Dec. 15.
Hair pomade. M. C. Trichel. 184,369; Dec. 15.
Hair tonic. F. J. Conjurske. 190,535; Dec. 15.
Hair tonic. G. H. Weyer. 222,649; Dec. 15.
Herbs for liver and kidney complaints. Michigan Drug Co. 221,909; Dec. 15.
Lotion for treatment of high blood pressure, fatigue, etc. C. Poetzl. 218,777; Dec. 15.
Lye. G. G. Randall. 222,047; Dec. 15.
Massage cream and wrinkle remover. S. F. Hale. 203,515; Dec. 15.
Medicated gum. C. E. Minnick. 213,252; Dec. 15.
Medicinal preparation. E. Healey. 217,459; Dec. 15.
Medicinal preparation. C. C. Howard. 211,475; Dec. 15.
Medicinal preparations for intestinal and liver diseases. Sydney Ross Co. 222,351–2; Dec. 15.
Medicine for tuberculosis. Tuberco Mfg. Co. 216,368; Dec. 15.
Nerve and kidney pills, liniment, and compound extract. Michigan Drug Co. 221,905; Dec. 15.
Peppermint drops. Albrecht-Richter Company. 220,629; Dec. 15.
Perfume. House of Tre-Jur, Inc. 222,881; Dec. 15.
Perfume, hair tonic, rouges, face powders, etc. L'Aiglon Perfumery Co. 216,919; Dec. 15.
Perfumes. A. W. Lanfranchi. 220,193–4; Dec. 15.
Powder, Face. A. Bourjois & Co. 222,816; Dec. 15.
Powder, Face. A. Bourjois & Co. 222,818; Dec. 15.
Preparation for exterminating cockroaches and black beetles. E. Howarth. 220,288; Dec. 15.
Preparation for the extermination of weeds and grass. J. F. Shafer. 220,429; Dec. 15.
Preparation for the relief of headache. A. E. Gosselin. 222,674; Dec. 15.
Preparation for the treatment of asthma. P. Kellett. 221,068; Dec. 15.
Preparation for the treatment of goiter. W. W. Chemical Co. 222,355; Dec. 15.
Salts, Effervescent beverage. Achille Brioschi & Co. 222,908–9; Dec. 15.
Salve, Medicinal. E. Bergen. 221,690; Dec. 15.
Tonic. P. Santiago. 222,765; Dec. 15.
Tonic embrocation. Cosmos Products Rochester. 218,293; Dec. 15.
Tonic for the scalp. L. A. Gross. 219,339; Dec. 15.
Toothpaste. A. K. Dellarowe. 220,219; Dec. 15.
Treatment for sexual disfunction. E. W. Paine. 222,867; Dec. 15.
Vegetable jelly for treating inflammations and ulcers. Galen Laboratories, Inc. 219,622; Dec. 15.
Water softeners, Mineral compounds for. R. J. Held. 214,320; Dec. 15.
Water-treating material. Ravaladium Baths Co. 221,073; Dec. 15.

CLASS 7.

Twine. R. C. Hyland. 220,778–9; Dec. 15.
Twine. R. C. Hyland. 220,781; Dec. 15.

CLASS 8.

Cigar, cigarette, and match containers. Doerr Manufacturing Company. 199,610; Dec. 15.
Pipe buttons. G. W. J. Murphy Company. 222,935; Dec. 15.

CLASS 9.

Matches. F. H. Fromm. 222,836; Dec. 15.
Shells, Shot. Western Cartridge Company. 222,898; Dec. 15.

CLASS 12.

Asphalt, bituminous cements, roofing compositions, etc., Cold liquid. Bitutect Inc. 218,465; Dec. 15.
Building constructions, Article of manufacture used in. Cello Products Incorporated. 219,803; Dec. 15.
Building insulation, calcined gypsum, wall plasters, gypsum tile, and plaster board. United States Gypsum Company. 221,859; Dec. 15.
Plaster boards, wall boards, and sheathing. Insulite Co. 201,086; Dec. 15.
Shingle strips. Continental Roofing & Mfg. Co. 221,351; Dec. 15.

CLASS 13.

Dustpans. Patent Novelty Company. 221,278; Dec. 15.
Noxzles, Hose. Mueller Brass Co. 221,496–7; Dec. 15.
Strainers, Well. Kobe, Inc. 220,611; Dec. 15.

CLASS 14.

Castings, Metal. Western Crucible Steel Casting Co. 222,358; Dec. 15.
Metal and iron and steel bars, billets, etc., Rust-resisting anticorrosive. United Alloy Steel Corporation. 220,484; Dec. 15.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Steel plates and sheets. Youngstown Sheet and Tube Company. 222,535; Dec. 15.
Steel sheets, plates, and bars. Youngstown Sheet and Tube Company. 222,537; Dec. 15.

CLASS 15.

Candles, Night-light. Diamond Candle Co. 219,579; Dec. 15.
Gasoline, kerosene, lubricating oils and greases. Rogers Gasoline Company. 222,281; Dec. 15.
Oils and grease. John T. Stanley Co. 221,782; Dec. 15.
Oils and greases, Lubricating. Panther Oil & Grease Mfg. Co. 220,354; Dec. 15.
Oils, Combustible. Mitchel Oil Company, of New Jersey. 210,917; Dec. 15.
Oils, Lubricating. Deepwater Oil Refineries, Inc. 221,951; Dec. 15.
Oils, Lubricating. General Petroleum Corporation. 222,025; Dec. 15.
Oils, Lubricating. Panther Oil & Grease Mfg. Co. 220,355; Dec. 15.

CLASS 16.

Coloring, waterproofing, and coating concrete, stucco, etc., Compositions for. Master Builders Company. 220,410; Dec. 15.
Nitrocellulose lacquer. Jones-Dabney Varnish Company. 220,900; Dec. 15.
Paints and varnishes. Supreme Paint & Varnish Co. 220,095; Dec. 15.
Polish, Oil. Matchless Metal Polish Co. 221,131; Dec. 15.

CLASS 17.

Cigarettes, tobacco, and snuff. Kingdom of Italy. 221,836; Dec. 15.
Cigars, cigarettes, and smoking tobacco. Infanzon & Rodriguez. 221,552; Dec. 15.

CLASS 19.

Automobiles or taxicabs. V. Jones. 186,646; Dec. 15.
Trucks, Motor. Hug Company. 220,718; Dec. 15.

CLASS 21.

Fans, Electrical. United Electrical Mfg. Co. 221,464; Dec. 15.
Headlights, Switches and controls for vehicle. W. C. Merrill, jr. 198,243; Dec. 15.
Radio-frequency transformers, radio receiving sets, radio aerial equipment, loud speakers, etc. Electrical Research Laboratories, Inc. 221,811; Dec. 15.
Radiopanels. Julius Schmid, Inc. 207,762; Dec. 15.
Radio receiving, detecting, and transmitting sets and parts thereof. Columbia Phonograph Company. 221,094; Dec. 15.
Radio receiving sets and parts thereof. Continental Tire Corporation. 218,166; Dec. 15.
Radio receiving sets and parts thereof. Crosley Radio Corporation. 221,479; Dec. 15.
Radio receiving sets and parts thereof, loud speakers, etc. Ward Manufacturing Co. 221,393; Dec. 15.
Radio receiving sets, loud speakers, aerial loops, and head phones. Aladdin Mfg. Company. 208,630; Dec. 15.
Radio receiving sets, radio battery chargers, aerial equipment, loud speakers, etc. Chicago Mail Order Company. 221,879; Dec. 15.
Rail bonds. American Steel and Wire Company of New Jersey. 221,868; Dec. 15.
Tags, Metal. M. F. Knoblauch. 205,605; Dec. 15.
Vacuum cleaners, Electrical. National Electric Sweeper Company. 221,914; Dec. 15.

CLASS 22.

Golf clubs. Wilson-Western Sporting Goods Co. 220,437; Dec. 15.
Rubber bladders, Seamless. Seamless Rubber Company. 202,826; Dec. 15.
Tennis rackets. Wilson-Western Sporting Goods Co. 220,433–4; Dec. 15.
Tennis rackets. Wilson-Western Sporting Goods Co. 220,436; Dec. 15.

CLASS 23.

Alarm for internal-combustion engines, High-tempered. Steametor Co. 188,332; Dec. 15.
Automobile parking devices. V. P. Williams. 219,565; Dec. 15.
Automobile washing apparatus. Klean-Rite Auto Laundry Company. 193,186; Dec. 15.
Axes and hatchets. Kelly Axe and Tool Company. 215,010; Dec. 15.
Bearings, Ball and roller. Riebe-Werk Aktiengesellschaft. 215,877; Dec. 15.
Dish, silver, and glass cleaning machines, and metal-parts-cleaning machines. Colt's Patent Fire Arms Manufacturing Company. 220,596; Dec. 15.
Engineering appliances. Schutte & Koerting Company. 152,386; Dec. 15.
Engines, Rotary steam. Baker Motors, Inc. 202,275; Dec. 15.
Floor-polishing tools. United Electric Company. 204,183; Dec. 15.
Hammers. Kelly Axe & Tool Company. 222,074; Dec. 15.
Handsaws. E. C. Atkins & Company. 190,625; Dec. 15.
Horse powers, windlasses, vises, grinding mills, etc. Flint & Walling Mfg. Company. 220,066; Dec. 15.
Knife, Hunting. Cattaraugus Cutlery Co. 220,994; Dec. 15.
Knife, Sheath. Cattaraugus Cutlery Co. 220,995; Dec. 15.
Plowshares, lister shares, middle-breaker shares, and cultivator shovels. Havana Manufacturing Company. 212,813; Dec. 15.
Plowshares, lister shares, middle-breaker shares, and cultivator shovels. Havana Manufacturing Company. 220,773; Dec. 15.
Pocketknives. Utica Cutlery Company. 220,811; Dec. 15.
Printing machines, printing presses, rotary presses, etc. Emil Gerasch G. m. b. H. 218,750; Dec. 15.
Razor blades. International Safety Razor Corporation. 220,074; Dec. 15.
Reamers. Wetmore Reamer Company. 221,578; Dec. 15.
Ring travelers. National Ring Traveler Co. 210,744; Dec. 15.

CLASS 24.

Carpet-scrubbing machines, washing machines, etc. Chief Manufacturing Company. 185,242; Dec. 15.

CLASS 26.

Balances, thermometers, and spring scales, Ice and sportsmen's. John Chatillon & Sons. 219,379; Dec. 15.
Chemical comparisons or tests, Apparatus for making. British Drug Houses, Limited. 222,437; Dec. 15.
Spectacles, spectacle frames, and ophthalmic lenses. White-Haines Optical Co. 220,929–30; Dec. 15.
Spectacles, spectacle frames, and ophthalmic lenses. White-Haines Optical Co. 220,933; Dec. 15.

CLASS 28.

Lingerie clasps, beauty pins, vanity boxes, tie clasps, bracelets, etc. V. E. Black Co. 221,941; Dec. 15.
Rings, Finger. Von Steinner and Baumgartner Co. 220,812; Dec. 15.
Silver-plated tableware, flatware, hollow ware, and cutlery. Oneida Community Limited. 221,916; Dec. 15.

CLASS 29.

Brooms. American Stores Company. 220,818; Dec. 15.
Brushes, Painters'. M. Berkowitz. 220,754; Dec. 15.
Polishing cloths not treated, Cotton. James Kenyon & Son, Limited. 213,440; Dec. 15.
Toothbrushes. Mic-Lis Manufacturing Co. 221,132; Dec. 15.

CLASS 31.

Refrigerating equipment. Central Construction & Supply Company. 208,958; Dec. 15.

CLASS 32.

Chairs, davenports, and sofas. Franklin Furniture Co. 219,956; Dec. 15.
Chairs, Folding. Louis Rastetter & Sons. 214,033; Dec. 15.
Shades, Window. C. W. Rice. 220,470; Dec. 15.

CLASS 35.

Asbestos material. British Belting & Asbestos Ltd. 218,789; Dec. 15.
Patches for repairing inner tubes of tires and other repair uses. G. N. Little. 220,811; Dec. 15.
Tire patches. R. C. Moore. 189,166; Dec. 15.

CLASS 36.

Musical instruments. Vincent Bach Corporation. 218,840–2; Dec. 15.
Phonographs. M. Waterson. 210,592; Dec. 15.
Sound electrically, machines for producing. Brunswick-Balke-Colender Company. 220,108; Dec. 15.
Talking machines and repair or replacement parts. J. A. Fischer Company. 212,602; Dec. 15.

CLASS 37.

Books and printing paper, Blank. Perkins & Squier Company. 219,598; Dec. 15.
Cardboard, calender board, box board, etc. Beveridge Paper Company. 221,535; Dec. 15.
Filing and indexing systems and devices. Weis Manufacturing Company. 220,267; Dec. 15.
Paper and envelopes, Tissue, bank-note, legal-cap, typewriter, etc. Robert Fletcher & Son Limited. 210,723; Dec. 15.
Paper, Cover. Strathmore Paper Company. 219,612; Dec. 15.
Paper tape, Gummed. Mid-States Gummed Paper Company. 218,196; Dec. 15.
Paper, Tissue. Diamond Mills Paper Co. 221,539; Dec. 15.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Paper, Wrapping. Albemarle Paper Manufacturing Co. 216,493; Dec. 15.
Paper, Wrapping and toilet. Joseph Weil & Sons, Inc. 220,004; Dec. 15.
Papers of various kinds, Self-binders for binding. Rochester Self-Binder Co. 220,473; Dec. 15.
Pens, Fountain. Moore Pen Co. 218,564–6; Dec. 15.

CLASS 38.

Blotters, writing pads, post cards, etc. W. R. Sanford. 214,443; Dec. 15.
Books and instruction papers. Railway Training Institute. 213,735; Dec. 15.
Books, magazines, pictures, and prints. H. B. McCurdy. 221,558; Dec. 15.
Cartoons in perforated sheet form. C. E. Howell. 221,703; Dec. 15.
Cartoons, Series of. D. T. Fisher, jr. 221,307; Dec. 15.
Charts, Educational printed. L. A. Parry. 216,474; Dec. 15.
Lessons, instruction sheets, etc., used with a correspondence course. Job-Way Home Study, Incorporated. 209,920; Dec. 15.
Periodical or trade paper, Monthly printed. Lyman Publishing Corporation. 221,557; Dec. 15.
Photographic prints and enlargements. Ansco Photoproducts, Inc. 218,883; Dec. 15.
Publication, Weekly. Baines & Schmich Publishing Company. 221,086; Dec. 15.
Publication, Weekly. Societe Anonyme L'Europe Nouvelle. 220,624; Dec. 15.

CLASS 39.

Boots and shoes. Muskin Shoe Company. 205,215; Dec. 15.
Boots and shoes, Welting for. P. E. Barbour. 220,837; Dec. 15.
Boots, shoes, and slippers. W. H. Tomlinson & Co. 221,292; Dec. 15.
Clothing. Franklin Simon & Co. 217,507; Dec. 15.
Dresses, boys' suits, and creepers, Children's. L. Wohl & Co. 222,533; Dec. 15.
Dresses for children and misses. Noxall Manufacturing Company. 221,711; Dec. 15.
Hats. La-Roy Hat Co. 220,962; Dec. 15.
Hosiery. Bonwit Teller & Co. 222,217–18; Dec. 15.
Hosiery. Brown, Thomson & Company. 222,596; Dec. 15.
Hosiery. Holeproof Hosiery Company. 222,323; Dec. 15.
Hosiery. McCallum Hosiery Co. 209,738; Dec. 15.
Shoes. Margolin Shoe Company. 219,597; Dec. 15.
Shoes. M. Nathan and Brother, Incorporated. 221,195; Dec. 15.
Suits and trousers, Men's. Hart, Schaffner & Marx. 220,530; Dec. 15.
Suits, coats, dresses, scarfs, boas, etc., Women's and children's. E. T. Slattery Co. 219,310; Dec. 15.
Suits, Men's. Palmer Clothing Manufacturing Company. 222,477; Dec. 15.
Undergarments and brassières. Nile Undergarment Co. 221,330; Dec. 15.
Underwear. Julius Kayser & Co. 222,569; Dec. 15.

CLASS 40.

Combs and brush cleaners. Fuller Brush Company. 205,308; Dec. 15.

CLASS 42.

Billiard and pool table covering cloths. Roth & Nathan, Inc. 220,204; Dec. 15.
Cloths and piece goods. B. Priestley & Co. 222,577; Dec. 15.
Cotton and cotton and silk fabrics. Wm. Anderson Textile Mfg. Co. 206,469; Dec. 15.
Cotton broadcloth. Fred Butterfield & Co. 204,304; Dec. 15.
Cotton piece goods. Pacolet Mfg. Co. 214,335; Dec. 15.
Cotton piece goods. Quinebaug Company. 221,716; Dec. 15.
Cotton piece goods. J. L. Stifel & Sons. 222,887; Dec. 15.
Cotton sheetings, bleached and yarn-dyed fabrics. O. H. Hinck. 221,899; Dec. 15.
Ginghams, Tissue. Fred Butterfield & Co. 204,305; Dec. 15.
Pile fabrics in the piece. Sidney Blumenthal & Co. 222,658; Dec. 15.
Ribbon. Schulthess & Co. Aktiengesellschaft. 215,880; Dec. 15.
Rugs. Senay, Groom & Ipswitch. 220,255; Dec. 15.
Sheetings and drillings. Grendel Mills. 222,506; Dec. 15.
Silk piece goods. Golding Fabrics Corporation. 222,672; Dec. 15.
Woolen dress goods in the piece. Atlantic Mills. 222,811; Dec. 15.
Woolen goods in the piece. Roth & Nathan, Inc. 220,203; Dec. 15.

CLASS 44.

Hyperemia, Instruments for producing. S. M. Bernell. 221,402; Dec. 15.

Rubber pants or bloomers, Babies'. Parker, Stearns & Company. 222,044; Dec. 15.
Splint, Male-genital-organ. W. Nathanson. 218,769; Dec. 15.
Teeth, Crown and vulcanite. H. D. Justi & Son. 222,462; Dec. 15.
Vulcanite teeth. H. D. Justi & Son. 222,461; Dec. 15.

CLASS 45.

Beverages and sirups for making the same. Choc-Au-Lait Corporation. 217,815; Dec. 15.
Ginger ale, sarsaparilla, root beer, and grape juice. American Stores Company. 220,820; Dec. 15.

CLASS 46.

Apples and peaches, Fresh. J. G. Schlotter & Co. 222,636; Dec. 15.
Apples, Fresh. D. J. Shrecengost Company. 222,583; Dec. 15.
Beverage. Maltop, Inc. 218,709; Dec. 15.
Butter, bread, ice cream, eggs, and canned fruit. Mutual Creamery Company. 221,846; Dec. 15.
Butterscotch candy. Roach Tisdale & Co. 220,974; Dec. 15.
Candies. B. S. & S. M. Bushman. 220,937; Dec. 15.
Candy. Brecht Candy Company. 222,004–5; Dec. 15.
Candy. Brecht Candy Company. 222,007–8; Dec. 15.
Candy. Heit Miller Lau Co. 221,894; Dec. 15.
Candy. Mayanlake Candy Co. 222,859; Dec. 15.
Candy. J. G. McDonald Chocolate Company. 216,790; Dec. 15.
Candy. J. Merle. 220,968; Dec. 15.
Candy. Schutter-Johnson Candy Co. 191,349; Dec. 15.
Candy. Stephen F. Whitman & Son, Inc. 207,430; Dec. 15.
Candy bars. Aurval Candy Company. 222,298; Dec. 15.
Candy, pure olive oil, cloves, mace, etc., Rock. Faxon & Gallagher Drug Co. 194,698; Dec. 15.
Canned corn. Big Stone Canning Co. 219,872; Dec. 15.
Canned fresh oysters. Publicity and Research Bureau. 219,044; Dec. 15.
Canned fruit. Tulare Packing Company. 216,654; Dec. 15.
Canned fruits and vegetables. Sutter Co-Operative Growers. 220,689; Dec. 15.
Canned fruits, vegetables, and fish, coffee, tea, chili sauce, spices, etc. P. G. Lennon. 220,810; Dec. 15.
Canned fruits, vegetables, fish, and fruit preserves, jelly, etc. Durand-McNeil-Horner Co. 191,818; Dec. 15.
Canned peaches, raspberries, sauerkraut, mayonnaise, honey, coffee, etc. Matchett-Mucklem Company. 221,842; Dec. 15.
Canned roast beef and gravy, boiled beef and gravy, sandwich spread, etc. Hedlund and Company. 220,455; Dec. 15.
Canned tomatoes. Consumers Profit Company. 219,528; Dec. 15.
Canned vegetables. R. Nelson. 220,669–70; Dec. 15.
Cheese. Davis Bros. Cheese Co. 216,154; Dec. 15.
Cheese. Phenix Cheese Corporation. 220,917; Dec. 15.
Chocolate and candy. Park & Tilford. 222,572; Dec. 15.
Cocoa, canned corn, peas, and tomatoes, rolled oats, coffee, evaporated milk, etc. Davies-Strauss-Stauffer Company. 221,353; Dec. 15.
Coffee. Eagle Tea & Coffee Co. 213,070; Dec. 15.
Coffee. J. F. Goodson & Co. 208,048; Dec. 15.
Coffee. McAtee-Newell Coffee Company. 220,965–6; Dec. 15.
Coffee. Scoville, Brown & Company. 202,357; Dec. 15.
Coffee. Woolson Spice Company. 221,795; Dec. 15.
Coffee, paprika, celery salt, crab-apple jelly, peanut butter, canned cherries, etc. American Stores Company. 220,825; Dec. 15.
Coffee, spices, and extracts. Weathersby-Brunner Co. 219,464; Dec. 15.
Cucumbers. M. Wolff & Sons. 218,783; Dec. 15.
Feed and dairy ration, Scratch. George Q. Moon & Company. 218,863; Dec. 15.
Feed, Duck. Tioga Mill & Elevator Co. 220,582; Dec. 15.
Feed, Mineral. Moorman Mfg. Co. 220,908; Dec. 15.
Feed, Stock. A. E. Staley Manufacturing Company. 219,854; Dec. 15.
Feed, Stock. A. E. Staley Manufacturing Company. 219,856; Dec. 15.
Fish products, Salted and spiced. B. A. Griffin & Co. 185,294; Dec. 15.
Flavoring extracts and tomato catchup. American Stores Company. 220,835; Dec. 15.
Flour, horse feed, dairy feed, etc., Buckwheat, wheat, and corn. J. B. Howell. 215,789; Dec. 15.
Flour, Prepared. Simmons and Hammond Manufacturing Company. 204,936; Dec. 15.
Flour, Wheat. Stoddard Mill & Grain Company. 221,516; Dec. 15.
Ham and bacon. Henry Muhs Company. 222,842; Dec. 15.
Ham, bacon, and sausage. Henry Muhs Company. 222,843; Dec. 15.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hams, bacon, lard, sausage, and feeding tankage. American Packing Company. 217,061; Dec. 15.
Ice cream, sherbet, marshmallow, etc., Containers for. J. Denaro. 221,000; Dec. 15.
Mace, celery salt, chili powder, canned pork and beans, etc. Frank C. Weber & Co. 218,277; Dec. 15.
Milk-base preparation in powdered form for making a food drink. B. E. Gamble Company. 204,230; Dec. 15.
Mustard, raspberry jelly, pectin jelly. American Stores Company. 220,834; Dec. 15.
Oleomargarine. Jaburg Brothers, Inc. 221,489; Dec. 15.
Oranges, grapefruit, and tangerines. W. H. Mouser & Co. 222,754; Dec. 15.
Pears, Fresh. R. E. Glele. 217,089; Dec. 15.
Pecans. Dixie Pecan Growers Exchange, Inc. 221,097; Dec. 15.
Pickles. Squire Dingee Company. 215,391; Dec. 15.
Potatoes, beans, onions, and cabbages. Farr Produce Company. 214,652; Dec. 15.
Salad dressing. A. G. Browne. 220,884; Dec. 15.
Sirup, Maple. Kofman & Blumenau. 218,766; Dec. 15.
Vegetables, Fresh. S. Perlmon. 205,354; Dec. 15.

CLASS 48.

Malt extract. Ohio Malt Products Company. 217,414; Dec. 15.

CLASS 50.

Automobile top fabrics. Waterhouse & Lester Co. 212,114; Dec. 15.
Printing press, Roller composition for. George Russell Reed Company. 198,030; Dec. 15.
Silk fabric impregnated with colored oil paints and used for imprinting designs on patent leather, etc., Pieces of. Parker & Waterman Mfg. Co. 211,609; Dec. 15.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 15TH DAY OF DECEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbot, William G., jr., Wilton, N. H. Paint sprayer. 1,565,404; Dec. 15.
Actien Gesellschaft für Anilin Fabrikation. (See Vorlinder, F., and Weber, assignors.)
Adam, Matthew A. (See Davies, H., and Adam.)
Adams, Walter L., New Haven, Conn. Automobile bumper. 1,565,882; Dec. 15.
Ade, Rudolph, assignor to Evansville Tool Works, Evansville, Ind. Tool-handle-holding means. 1,565,611; Dec. 15.
Aderente, Alfred. (See Baia, C., and Aderente.)
Adkins, Marion W., Kansas City, Mo. Airship-steering mechanism. 1,565,239; Dec. 15.
Adrianson, Alfred L., and A. L. Bengtson, Racine, Wis. Screen. 1,565,883; Dec. 15.
Adrianson, Alfred L., and A. L. Bengtson, Racine, Wis., assignors of one-third to G. W. Lenzie, Lemont, Ill. Screen. 1,565,892; Dec. 15.
Advertisers Products Corporation. (See Stokes, Howard, assignor.)
Aeromarine Plane and Motor Company. (See Chilton, Roland, assignor.)
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Suction pump. 1,565,884; Dec. 15.
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pneumatic pump. 1,565,885; Dec. 15.
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pump and pumping system. 1,565,886; Dec. 15.
Aird, James M., Limited. (See McDonough, James F., assignor.)
Ajello, Vincent, Pittsburgh, Pa. Cue tip. 1,565,612; Dec. 15.
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Air brake for automobiles. 1,565,841; Dec. 15.
Alexander, George R., Oakland, Calif. Water-supply system. 1,565,769; Dec. 15.
Alexender, John E., et al., trustees (See White, Alfred H., assignor.)
Alkire, Mabel F., Dallas, Tex. Decorating art novelties. 1,565,242; Dec. 15.
Allard, Arthur R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrode holder. 1,565,405; Dec. 15.
Allard, Arthur R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrode holder. 1,565,406; Dec. 15.
Allen, Edward B., Newton, Conn., assignor to The Singer Manufacturing Co., Elizabeth, N. J. Buttonhole-sewing machine. 1,565,241; Dec. 15.
Allen Wrench & Tool Company. (See Webster, Oscar, A., assignor.)
Allison Lumber Company. (See Hewlett, Frank G., assignor.)
Almesan, Zarie, New York, N. Y. Shock absorber. 1,565,770; Dec. 15.
Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,565,243; Dec. 15.
Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)
American Button & Fastener Co. (See Elliott, William C., assignor.)
American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
American Manganese Steel Company. (See McNinch, William T., assignor.)
American Manganese Steel Company. (See Sutherland, Paul, assignor.)
American Marine Device Corporation. (See Lens, C. S., and Jupp, assignors.)
American Mine Door Co., The. (See Vignos, Charles, assignor.)
American Optical Company. (See Baker, Nelson M., assignor.)
American Optical Company. (See Boutelle, William H., assignor.)
American Optical Company. (See Clarke, Edward W., assignor.)
American Optical Company. (See Hill, H. W., and Tillyer, assignor.)
American Optical Company. (See Tillyer, E. D., and Hill, assignors.)
American Radiator Company. (See Howell, Frank B., assignor.)
American Steel Foundries. (See Whitney, Loren L., assignor.)
American Telephone and Telegraph Company. (See Brown, Ralph, assignor.)
American Telephone and Telegraph Company. (See Clark, Alva B., assignor.)
American Telephone and Telegraph Company. (See Fetter, Charles H., assignor.)
American Telephone and Telegraph Company. (See Gardner, Leland A., assignor.)
American Telephone and Telegraph Company. (See Hamilton, Harold S., assignor.)
American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Stone, John S., assignor.)
American Telephone and Telegraph Company. (See Stone, J. S., and Rose, assignors.)
American Telephone and Telegraph Company. (See Vernam, G. S., and Perry, assignors.)
American Telephone and Telegraph Company. (See Wright, Sumner B., assignor.)
Ames, Fletcher, Berkeley, Calif. Tent support. 1,565,977; Dec. 15.
Anderegg, Gustavus A., Blackheath, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical measuring apparatus. 1,565,613; Dec. 15.
Anderson, Carl, assignor of one-half to T. C. Doolittle, Roza, Wash. Sectional brake lining. 1,565,240; Dec. 15.
Andrae, Charles J., St. Louis, Mo. Inclinable stand. 1,565,301; Dec. 15.
Andris, Aristide. (See Brasseur, G., and Andris.)
Andrus, Samuel, assignor to J. Fitzgerald, Terre Haute, Ind. Dough-loaf slasher. 1,565,887; Dec. 15.
Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Tooth-mounting-card holder. 1,565,244; Dec. 15.
Anibal, Benjamin H., Detroit, Mich. Brake mechanism. 1,565,614; Dec. 15.
Appel, Henry, Waterloo, Iowa. Grain sprouter. 1,565,701; Dec. 15.
Aram, Otto, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Grinder roll. 1,565,842; Dec. 15.
Armstrong, Percy, A. E., Londonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Making tubular bodies. 1,565,771; Dec. 15.
Arnold, Harold D., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Two-way repeater circuits. 1,565,302; Dec. 15.
Arthur, William C. (See Ziegler Charles E., assignor.)
Ashland Fire Brick Company. (See Haney, George B., assignor.)
Asplund, Axel A., Auburn, N. Y., assignor to E. T. Fenwick, Falls Church, Va. Reversing mechanism for oil-burning engines. 1,565,245; Dec. 15.
Atkinson, Edward M., Portland, Oreg. Flexible handle for containers. 1,566,062; Dec. 15.
Auerbach, Max, The Hague, Netherlands. Shuttle-changing mechanism for looms. 1,566,136; Dec. 15.
Auerbach, Max, The Hague, Netherlands. Feeler mechanism. 1,566,137; Dec. 15.
Aussenhofer, Charles, South Norwalk, Conn. Soap dispenser. 1,565,888; Dec. 15.
Automatic Electric Washer Co. (See Nelson, John, assignor.)
Automatic Irrigation Company, The. (See March, Homer B., assignor.)
Automatic Oil Controller Company. (See Chappell, James F., assignor.)
Automobile Equipment Manufacturing Corporation. (See Sauer, George, assignor.)
Averill Mfg. Co. (See Parsons, George H., assignor.)
Axen, John L., Cicero, Ill. Office desk. 1,565,246; Dec. 15.
Axen, John L., Chicago, Ill. Cabinet desk. 1,565,247; Dec. 15.
Aymar, John W., jr., New York, N. Y. Rubber heel. 1,565,978; Dec. 15.

Bachrach, Joseph, New York, N. Y. Moistener. 1,565,979; Dec. 15.

Bacon, Arthur S. (See Hughson, G. W., and Bacon.)

Baia, Charles, Palisade, and A. Aderente, Jersey City, N. J., assignors to Slip-On Cigar Lighter Company, Incorporated, New York, N. Y. Cigar and cigarette lighter. 1,565,981; Dec. 15.

Baker, Edward H., Jamestown, N. Y. Display rack and Container. 1,565,889; Dec. 15.

Baker, Friend F. (See Moore, M. M., and Baker.)

Baker, George. (See Gardner, D. H., and Baker.)

Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Lens-retaining member. 1,565,890; Dec. 15.

Baldwin, Frederick M., Los Angeles, and G. A. Burgess, Long Beach, Calif. Shaft-action-signal device. 1,565,982; Dec. 15.

Bantam Ball Bearing Company, The. (See Rogers, Winfield S., assignor.)

Barber, David A. (See Waite, Charles F., assignor.)

Barclay, Elmer J., Douglas, Ga. Shot-cutting machine. 1,566,180; Dec. 15.

Barducci, Pilade, Milan, Italy. Drying plant. 1,566,244; Dec. 15.

Barkelew Electric Manufacturing Company, The. (See Denny, C. W., and McLaughlin, assignors.)

Barnes, Emile J., Salina, Kans. Automobile radiator shield. 1,565,843; Dec. 15.

Barrus, George H., Boston, Mass. Drainage system. 1,565,772; Dec. 15.

Barry, Walter M., New York, N. Y. Foot corrector. 1,566,063; Dec. 15.

Barta, Edmund, Chicago, Ill. Embalming fluid. 1,565,773; Dec. 15.

Bartels, Reinhard E., Lynn, Mass. Apparatus for locating shank stiffeners in shoe soles. 1,565,702; Dec. 15.

Bartels, Reinhard E., Lynn, Mass. Apparatus for locating shank stiffeners on shank pieces for turn shoes. 1,565,774; Dec. 15.

Bartola Musical Instrument Company. (See Manor, Florian F., assignor.)

Bash, Charles, Brookline, Mass. Device for use in applying cosmetics. 1,565,775; Dec. 15.

Basse, Albert C., San Antonio, Tex. Bacon slicer. 1,566,064; Dec. 15.

Bassett, Adolphus A. (See Nelson, E., and Bassett.)

Bassett, Edward W., assignor to The Celma Company, Toledo, Ohio. Vanity case. 1,565,303; Dec. 15.

Bassick Manufacturing Company, The. (See Zerk, Oscar, assignor.)

Bates, Adelmer M., and J. E. Dancker, assignors to Bates Valve Bag Company, Chicago, Ill. Machine for making and filling bags. 1,565,615; Dec. 15.

Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Controlling device for power-operating mechanism. 1,565,248; Dec. 15.

Bates Roebling Patents Co. Inc., of New York. (See Ericksen, Einar B., assignor.)

Bates Valve Bag Company. (See Bates, A. M., and Dancker, assignors.)

Beach, William J., Toronto, Ontario, Canada. Loud-speaking receiver. 1,566,065; Dec. 15.

Becher, Harold M., Brooklyn, N. Y. Dyeing fur and product thereof. 1,566,066; Dec. 15.

Bechtold, William S., Newark, N. J. Mirror or similar toilet article. Des. 69,005; Dec. 15.

Bechtold, William S., Newark, N. J. Mirror or similar toilet article. Des. 69,006; Dec. 15.

Bell, John E., Brooklyn, assignor to Power Specialty Company, New York, N. Y. Economizer for steam boilers. 1,565,304; Dec. 15.

Bell, John E., Brooklyn, assignor to Power Specialty Company, New York, N. Y. Steam-generating plant. 1,565,305; Dec. 15.

Benda, Louis, Mainkur, near Frankfort-on-the-Main, and O. Sievers, Fechenheim-on-the-Main, Germany, assignors to Leopold Cassella & Co. Gesellschaft mit beschränkter Haftung. Production of acridinium compounds. 1,565,891; Dec. 15.

Bender, Allan P. (See Rudd, H. H., and Bender.)

Benedict, Adelbert E., South Tacoma, Wash. Press. 1,565,776; Dec. 15.

Bengtson, Axel L. (See Adrianson, A. L., and Bengtson.)

Benson, Melvin B. (See Colianni, Paul V., assignor.)

Bergman, Lars H., assignor, by mesne assignments, to Raymond Bros. Engineering Co., Chicago, Ill. Pulverized-fuel-feed system. 1,565,893; Dec. 15.

Bergman, Simon, New York, N. Y., and J. D. Reifsnyder, Weehawken, N. J., assignors, by mesne assignments, to Tulip Cup Corporation, New York, N. Y. Holder for individual drinking cups. 1,565,306; Dec. 15.

Bergsten, Charles A., et al. (See Peters, William G., assignor.)

Berkeley, Laurence J., assignor to National Brake & Electric Company, Milwaukee, Wis. Compressor unit. 1,566,067; Dec. 15.

Berman, Wolf, New York, N. Y. Next-stop-information sign in passenger trains. 1,565,703; Dec. 15.

Berry, George A., Somerville, N. J. Means for feeding solids and semisolids to chemical apparatus. 1,565,249; Dec. 15.

Bertolini, Davide, assignor to Swiss Jewell Company, S. A., Locarno, Switzerland. Synthetically-made precious stone and producing the same. 1,565,777; Dec. 15.

Besson, Jacob, assignor to Carbondale Machine Company, Carbondale, Pa. Sprinkling trough. 1,565,407; Dec. 15.

Beyea, Frank H., assignor to J. R. Gammeter, Akron, Ohio. Metallic tire bead and manufacturing the same. 1,565,616; Dec. 15.

Beyea, Frank H., assignor to J. R. Gammeter, Akron, Ohio. Cable bead for tires. 1,565,617; Dec. 15.

Bible, Paul L., Hollis, Okla. Nut lock. 1,565,250; Dec. 15.

Biflex Products Company. (See Grotenhuis, William J., assignor.)

Bill, John A., Cincinnati, and C. L. Lewis, Toledo, Ohio. Photograph mounting. Des. 69,007; Dec. 15.

Bindschedler, Emile, Lansdowne, Pa., and E. W. Rugeley, Hopewell, Va., assignors of their entire right to Tubize Artificial Silk Company of America. Manufacturing hydrogen sulphide gas. 1,565,894; Dec. 15.

Binks Spray Equipment Co. (See Sausen, Bert R., assignor.)

Birchfield, Robert W., Joliet, Ill. Making boilers. 1,565,541; Dec. 15.

Birchfield, Robert W., Joliet, Ill. Making boilers. 1,565,542; Dec. 15.

Bird, John, Camden, Me. Carbon-removing attachment for internal-combustion engines. 1,565,778; Dec. 15.

Bird, John, Camden, Me. Composition for removing carbon deposits. 1,565,779; Dec. 15.

Birtman Electric Company. (See English, F. A., and Wiehle, assignors.)

Blackwell, William T., Westfield, N. J., assignor to Westinghouse Lamp Company. Lighting fixture. 1,565,408; Dec. 15.

Blair, James C., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing sheet glass. 1,565,307; Dec. 15.

Blakey, Louis P., Germantown, Pa. Automobile wash brush. 1,565,780; Dec. 15.

Blanchet, Léonce, assignor to La Societe de Chimie et a Catalyse Industrielle Siege Social, Paris, France. Oil-gas apparatus. 1,565,409; Dec. 15.

Blanck & Co. (See Meda, Enez, assignor.)

Blanck & Co. (See Press, Elizabeth A. D., assignor.)

Blaustein, Abe B., assignor, by direct and mesne assignments, to Electrical Development Corporation, Butte, Mont. Electromagnetic gun. 1,565,895; Dec. 15.

Blaw-Knox Company. (See Brynoldt, Christian, assignor.)

Bliss, Herbert E., Niagara Falls, N. Y. Assembling fiber shipping cases. 1,565,618; Dec. 15.

Block, William, Chicago, Ill. Spindle for lighting fixtures. Des. 69,008; Dec. 15.

Block, William, Chicago, Ill. Lamp base. Des. 69,009; Dec. 15.

Bluhm, Maurice, et al. (See Putt, Earl B., assignor.)

Blunt, James G., Schenectady, N. Y. Lateral motion device for locomotive driving boxes. 1,565,781; Dec. 15.

Blyth, Charles E., Dunchurch, near Rugby, England. Machine for the production of powdered fuel. Re16,229; Dec. 15.

Boardman, Ralph H. (See Prindle, F. P., and Boardman.)

Boda, Joseph E., Moline, Ill., assignor, by mesne assignments, to Moline Implement Company. Clutch. 1,565,619; Dec. 15.

Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay. 1,565,410; Dec. 15.

Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Load-regulator system. 1,565,411; Dec. 15.

Bohn & Herber Maschinenfabrik und Eisengiesserei. (See Finkhaus, Oskar, assignor.)

Boinot, Firmin, Melle, France, assignor to Commercial Solvents Corporation, Baltimore, Md. Manufacture of normal butyl alcohol. 1,565,543; Dec. 15.

Boisard, Raoul, Paris, France. Self-setting safety razor. 1,565,704; Dec. 15.

Bolinger, Amzy L., North Manchester, Ind. Steam water heater. 1,565,896; Dec. 15.

Boner, John M., Evansville, Ind. Automatic control winding mechanism for clocks. 1,565,705; Dec. 15.

Borgmann, Henry, Washington, D. C. Movable foot rest for bootblack stands. 1,566,138; Dec. 15.

Borneman, George, assignor to L. G. Nester Company, Inc., Millville, N. J. Perfume holder. 1,565,983; Dec. 15.

Borresen, Helge A., Chicago, Ill. Automobile bumper. 1,565,844; Dec. 15.

Bouin, Charles, Boston, Mass. Camera and film indicator. 1,565,897; Dec. 15.

Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale loop. 1,565,251; Dec. 15.

Boutelle, William H., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Fastening device. 1,565,898; Dec. 15.

Bouton, Edgar M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,565,412; Dec. 15.





Bown, Ralph, Wyoming, N. J., assignor to American Telephone and Telegraph Company. Radio transmission system. 1,565,544; Dec. 15.

Boyd, Harold A. (See Boyd, Thomas A., H. A., and J.)

Boyd, James. (See Boyd, Thomas A., H. A., and J.)

Boyd, Thomas A., H. A., and J., Glasgow, Scotland. Doffing mechanism for spinning, twisting, and like frames. 1,565,783; Dec. 15.

Boli, Peter W., Wilkinsburg, Pa. Propeller mechanism for vessels. 1,565,782; Dec. 15.

Brackett, Quincy A., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Radio-telephone system. 1,566,245; Dec. 15.

Bradley, Charles M. (See Ellis, James B., assignor.)

Bradley Washfountain Company. (See Schlesinger, L., and Heine, assignors.)

Bradner, Donald B., Philadelphia, Pa. Composition for producing lachrymating gases. 1,565,899; Dec. 15.

Braley, Thomas E., assignor of one-half to E. Davis, Wichita, Kans. Piston. 1,565,900; Dec. 15.

Brambach Piano Co. (See Klepac, J., and Matirko, assignors.)

Bramble, B. E., et al. (See Peters, William G., assignor.)

Bramley, Matthew F., Cleveland, Ohio. Railway pavement and making it. 1,566,246; Dec. 15.

Brandes Laboratories, Inc. (See Moss, David H., assignor.)

Brandt, Frank W., Cleveland, Ohio. Pyramid puzzle. 1,565,901; Dec. 15.

Brasseur, Georges, and A. Andris, Charlerol, Belgium. Sheet-glass-drawing furnace. 1,566,181; Dec. 15.

Brenzinger, Julius, Fairfield, assignor, to The Max Ams Machine Company, Bridgeport, Conn. Cover for containers. 1,565,902; Dec. 15.

Bried, Julien A., Oakland, Calif., assignor to H. C. White Company, North Bennington, Vt. Velocipede. 1,565,545; Dec. 15.

Brigham, Nelson E., South Hadley Falls, Mass., assignor to Worthington Pump and Machinery Company, New York, N. Y. Pump. 1,565,620; Dec. 15.

Brisbois, Odilon, Chicago, Ill. Starting motor for automobiles. 1,565,252; Dec. 15.

Brock, Arthur, jr., and L. J. R. Holst, Philadelphia, Pa., assignors, by mesne assignments, to Brock & Weymouth, Incorporated. Making maps. 1,565,413; Dec. 15.

Brock & Weymouth, Incorporated. (See Brock, A., jr., and Holst, assignors.)

Brockenbrough, Hugh B., assignor to Plymouth Gypsum Company, Fort Dodge, Iowa. Plaster-board-drying apparatus. 1,565,984; Dec. 15.

Brooks, Francis S. (See Petersen, P. F., and Kathan, assignors.)

Brooks, Harry. (See Sankey, D. H., and Brooks.)

Brooks, Thomas O. Dallas, Tex. Toasting oven. 1,565,784; Dec. 15.

Brower, Milford M., Seattle, Wash. Rural mail box. 1,565,706; Dec. 15.

Brown, Joseph E., Maquoketa, Iowa. Fencepost. 1,565,707; Dec. 15.

Brown, Samuel E., Frederick, Md. Railway-rail joint. 1,565,903; Dec. 15.

Brundage, Leslie R., Chicago, Ill. Apparatus for compressing and assembling coil springs. 1,566,088; Dec. 15.

Bruner, Francis A., Inc. (See Murray, Robert J., assignor.)

Bruning, William H. (See Gibson, Charles R., assignor.)

Brynoldt, Christian, Pittsburgh, Pa., assignor to Blaw-Knox Company. Method of and apparatus for constructing walls. 1,565,845; Dec. 15.

Buchholz, Frank. (See Buchholz, William C., and F.)

Buchholz, William C. and F., Brooklyn, N. Y. Illuminated dial. 1,566,069; Dec. 15.

Buck, Thomas F., New Castle, Pa. Automobile bumper. 1,565,785; Dec. 15.

Buckley, Lorenzo C., Lisbon, assignor to The R. Thomas & Sons Company, East Liverpool, Ohio. Sagger. 1,566,070; Dec. 15.

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Bullimore, William R., London, England. Thermionic valve. 1,565,708; Dec. 15.

Burgess, Galusha A. (See Baldwin, F. M., and Burgess.)

Burgh, John, Denver, Colo. Reaming machine. 1,565,709; Dec. 15.

Burke, Alfred W., Pelham Manor, N. Y. Motor starter and circuit controller. 1,565,546; Dec. 15.

Burkholder, John C., jr., West End, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,565,904; Dec. 15.

Burkholder, William A., Junction City, Kans. Battery terminal. 1,565,786; Dec. 15.

Burnett, Charles E., deceased, Canandaigua, N. Y.; The Citizens Banking and Trust Co., administrator, assignor of one-half to G. C. Saylor and one-half to C. B. O'Brien, Conneaut, Ohio. Flexible shackle. 1,566,071; Dec. 15.

Burton, Carroll, Johnstown, Pa. Flangeway guard. 1,565,787; Dec. 15.

Bush, Harry H., Miami, Fla. Derrick attachment to motor-driven vehicles. 1,565,547; Dec. 15.

Butler, Charles R., et al. (See Trout, William A., assignor.)

Butler, Charles R. (See Trout, W. A., and Butler.)

Butters, Robert H., and R. W. Starke, Atlanta, Ga. Tire lock. 1,565,253; Dec. 15.

Byquist, Axel R., Spokane, Wash. Check book. 1,565,255; Dec. 15.

Byrne, Edmund J., Piccadilly, London, England. Device for cleaning golf balls and similar articles. 1,565,414; Dec. 15.

Bystrom, Albert L., Tower, Minn. Pipe covering. 1,565,254; Dec. 15.

Cahn, Bernard, Sacramento, Calif. Garment wrapping and hanging form. 1,565,621; Dec. 15.

Caldwell, H. W., et al. (See Monschke, Luke G., assignor.)

Callender, Lynn W., Wichita Falls, Tex. Shock absorber. 1,565,905; Dec. 15.

Callough, Albert L., Tuscumbia, Ala. Boiler-cooling device. 1,566,072; Dec. 15.

Campbell, Thomas B., jr., Pittsburgh, Pa. Breaking and transferring mechanism for sheet-glass-drawing machines. 1,565,710; Dec. 15.

Cantey, Joseph A., Detroit, Mich. Butter cutter. 1,565,846; Dec. 15.

Cantin, Ernest, Lemieux, Quebec, Canada. Staple extractor. 1,565,415; Dec. 15.

Capen, William H. (See Edwards, G. D., and Capen.)

Carbide and Carbon Chemicals Corporation. (See Ray, Arthur B., assignor.)

Carbondale Machine Company. (See Besson, Jacob, assignor.)

Carey, James L. (See Murphy, James T., assignor.)

Carlson, Anthony E., Los Angeles, Calif. Reamer. 1,565,788; Dec. 15.

Carmier, Pierre R. L. A., assignor to Société Anonyme dite: Matériel et Accessoires d'Aviation, Paris, France. Mechanical starter for internal-combustion engines. 1,565,789; Dec. 15.

Carpenter, E. W., Manufacturing Company. (See Carpenter, Edward W., assignor.)

Carpenter, Edward W., Fairfield, assignor to E. W. Carpenter Manufacturing Company, Bridgeport, Conn. Backplate for loose-leaf binders. 1,565,985; Dec. 15.

Carter, Byron B. (See Edson, F. A., and Carter.)

Carter, John A. (See Webster, Milton W., assignor.)

Carter, Ray L., Syracuse, N. Y. Portable routing machine. 1,565,790; Dec. 15.

Cary Manufacturing Co. (See Ragona, Vincent, assignor.)

Case, J. I., Threshing Machine Company. (See MacGregor, Wallace F., assignor.)

Cassella, Leopold, & Co. (See Benda, L., and Sievers, assignors.)

Cassie, James, Courtland, Calif. Fruit grader. 1,565,622; Dec. 15.

Cassie, James W., Courtland, Calif. Fruit-sizing machine. 1,565,623; Dec. 15.

Celma Company, The. (See Bassett, Edward W., assignor.)

Červinka, Jan, Prague, Czechoslovakia. Machine for topping root crops. 1,565,711; Dec. 15.

Chadwick, Lee S., Shaker Heights, and M. Resek, Cleveland Heights, assignors to The Cleveland Metal Products Company, Cleveland, Ohio. Latch for flame spreaders of oil burners. 1,565,986; Dec. 15.

Chalfant, Edward P., Yonkers, N. Y. Newspaper holder. 1,565,791; Dec. 15.

Chamberlin, Benjamin D., Rochester, N. Y. Washing machine. 1,565,792; Dec. 15.

Chappell Allen & Company. (See Gordon, John W., assignor.)

Chappell, James F., assignor to Automatic Oil Controller Company, Dallas, Tex. Oil-level-indicating device. 1,566,182; Dec. 15.

Charnock, George H., Buffalo, N. Y. Silencer for gas-engine-valve mechanism. 1,565,712; Dec. 15.

Chemical Works Flora. (See Corti, Arnold, Assignor.)

Chemische Fabrik Kalk Ges. mit Beschränkter Halftung. (See Oehme, Hermann, assignor.)

Chicago Mill and Lumber Company. (See Walter, Harrison B., assignor.)

Chilton, Roland, Keyport, N. J., assignor to Aeromarine Plane and Motor Company, Inc. Detachable subframe for vehicles. 1,565,624; Dec. 15.

Chrisman, Horace, Edgewood, assignor to Pittsburgh Meter Company, East Pittsburgh, Pa. Protective casing for gaskets. 1,565,793; Dec. 15.

Christensen, Jens H., Holte, Denmark. Producing photographic copies by means of phosphorescent substances. 1,565,256; Dec. 15.

Christiansen, Niels, Newport News, Va. Door-locking device. 1,565,713; Dec. 15.

Christman, Peter J., jr., and J. De Love, assignors to Paper Converting Machine Company, Green Bay, Wis. Rotary sheet folder. 1,566,079; Dec. 15.

Chrysler, Walter P. (See Mooney, Thomas J., assignor.)

Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electron-tube oscillator. 1,565,416; Dec. 15.

Citizens Banking and Trust Co., The, administrator. (See Burnett, Charles E.)

Citizens of the United States of America. (See Rawling, Francis G.)

Clark, Alva B., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Arrangement for controlling volume range. 1,565,548; Dec. 15.
Clark, Ethel F., Shooks, Minn. Sanitary toilet-seat cover. 1,565,257; Dec. 15.
Clarke, Edward W., Silver Creek, N. Y., assignor to American Optical Company, Southbridge, Mass. Lens-drilling machine. Re16,227; Dec. 15.
Clausen, Henry P., Mamaroneck, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,565,625; Dec. 15.
Clefton, Claud J., Owatonna, assignor, by mesne assignments, to R. P. Clefton, St. Paul, Minn. Cooker. 1,565,714; Dec. 15.
Clefton, Ruth P. (See Clefton, Claud J., assignor.)
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radiophone system. Re16,231; Dec. 15.
Cleveland Metal Products Company, The. (See Chadwick, L. S., and Resek, assignors.)
Clifford, Thomas C., Pittsburgh, Pa. Fluid-distributing system. 1,565,794; Dec. 15.
Clinton, Louis B., Durant, Okla. Well drill. 1,565,906; Dec. 15.
Cobb, George, assignor of one-third to B. L. Crozier and one-third to F. K. Duncan, Baltimore, Md. Bituminous composition for paving. 1,565,28; Dec. 15.
Coffey, Barton H., New York, N. Y., refrigeration. 1,565,795; Dec. 15.
Coil, Charles J., Dayton, Ohio. Valve. 1,565,987; Dec. 15.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc-welding-pencil holder. 1,565,417; Dec. 15.
Colianni, Paul V., assignor of one-half to M. B. Benson, Chicago, Ill. Loading device. 1,565,418; Dec. 15.
Colladay, Edward F. (See Clement, Edward E., assignor.)
Collis, Henry J., Taunton, Mass. Combined instep and arch support. 1,565,259; Dec. 15.
Columbian Machine and Stopper Co. (See Kendall, Carl W., assignor.)
Columbian Mills Incorporated. (See Girard, Louis B., assignor.)
Columbian Ribbon & Carbon Manufacturing Company. (See Dixon, Harold W. A., assignor.)
Colvin, Arthur R., Bloomfield, N. J. Tire mold. 1,566,259; Dec. 15.
Comb, William F., Minneapolis, Minn. Garage. 1,565,907; Dec. 15.
Commercial Solvents Corporation. (See Boinot, Firmin, assignor.)
Comstock, Jackson D. (See Macklin, Justin W., assignor.)
Conklin, William F., Tarentum, Pa. Clamp. 1,566,073; Dec. 15.
Conneaut Shovel Company, The. (See Welsh, Chester J., assignor.)
Continental Can Company. (See Wise, Stanley C., assignor.)
Continental Rubber Works. (See Henkel, Paul H., assignor.)
Conwell, Walter L., Montclair, N. J., assignor to The Safety Car Heating & Lighting Company. Car-lighting system. 1,565,908; Dec. 15.
Cook, Gustave, Gillett, Wis. Operating mechanism for dirigible headlights. 1,566,074; Dec. 15.
Cooke, James, Omaha, Nebr. Machine for labeling hand stamps. 1,565,419; Dec. 15.
Cooper, Robert M., Petersburg, Va. Trunk. 1,565,260; Dec. 15.
Coram, Roy E., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Circuits for the production of pure modulated carrier waves. 1,565,847; Dec. 15.
Cornelius, Cornelius E., assignor to Trollhättans Elektrothermiska Aktiebolag, Stockholm, Sweden. Producing zinc or zinc and lead. 1,566,183; Dec. 15.
Cornell, Edgar, jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Treating coated materials. 1,565,420; Dec. 15.
Cornelsen, Henry. (See Rietzke, Adolph A., assignor.)
Cortese, Frank T., Brooklyn, N. Y. Combined paper weight and inkwell. 69,010; Dec. 15.
Corti, Arnold, Winterthur, assignor to Chemical Works Flora, Dubendorf, near Zurich, Switzerland. Manufacturing a perfume smelling like amber. 1,565,796; Dec. 15.
Cory, Nelson. (See Stevens, J. H., and Cory.)
Cotton, Walter H., Chicago, Ill., assignor to Locomotive Stoker Company. Steam engine. 1,566,075; Dec. 15.
Cottrell, William P., Los Angeles, Calif. Filter. 1,565,988; Dec. 15.
Cowles, Harry L., New York, N. Y. Incinerating refuse. 1,565,549; Dec. 15.
Craig, Edward, St. Joseph, assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Machinery and method for making box blanks. 1,565,909; Dec. 15.
Craig, John F., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic clutch control. 1,565,421; Dec. 15.
Crawford, Sarah H. (See Parter, Charles F., assignor.)
Crawford, William T., Flanagan, Ill. Wheeled carrier for corn-sheller feeder extensions. 1,565,422; Dec. 15.
Cress, Abner. (See Fish, Winfield J., assignor.)
Crews, Clarence M., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,565,550; Dec. 15.
Crickmer, Charles S., assignor to The Guiberson Corporation, Dulas, Tex. Swab cup. 1,565,797; Dec. 15.
Crocker, Ernest B., Stratford, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Retard gauge. 1,565,551; Dec. 15.
Crocker, Ernest B., Stratford, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Retard device for Bourdon gauges. 1,565,552; Dec. 15.
Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)
Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
Crowley, Michael M., Sioux City, Iowa. Feed-water apparatus for steam boilers. 1,565,989; Dec. 15.
Crozier, Bernard L., et al. (See Cobb, George, assignor.)
Cruvellher, Louis, New York, N. Y., assignor to Société Anonyme des Cristalleries du Val St. Lambert, Val St. Lambert, Belgium. Goblet. Des. 69,011; Dec. 15.
Cushman, Orville E. (See Hanna, R. W., Cushman, and Doell.)
Custer, William H., Toronto, Ohio. Eyelet. 1,566,076; Dec. 15.
Cutler, Nelson B., Milwaukee, Wis., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Waxing and polishing machine. 1,565,261; Dec. 15.
Da Costa, Arthur V., Providence, R. I., assignor to E. Ward, Newton, Mass. Drop hammer. 1,565,262; Dec. 15.
Dailey, Glenn, Bison, S. Dak. Pressure indicator. 1,565,423; Dec. 15.
Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Locomotive light. 1,565,308; Dec. 15.
Dalin, Samuel, West Allis, Wis. Finger ring. Des. 69,012; Dec. 15.
Damon, William E., Inglewood, Calif. Device for utilizing the power of flowing water. 1,565,910; Dec. 15.
Dancker, Johann E. (See Bates, A. M., and Dancker.)
Dandy, Edward C., and W. Tugwell, Baltimore, Md. Braiding machine and method. 1,565,990; Dec. 15.
Dann, Walter M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer radiator. 1,565,424; Dec. 15.
Darst, George H. (See Orth, W. G., and Darst.)
Davenport Machine and Foundry Company. (See Hansen, Charles, assignor.)
Davidson, Bruce J., Marseilles, Ill., assignor to National Biscuit Company, New York, N. Y. Carton. 1,566,077; Dec. 15.
Davidson, Harry O. (See Daykin, S. S., and Davidson.)
Davies, Harold, and M. A. Adam, London, England; said Davies assignor to said Adam. Detinning of tinned-iron scrap. 1,565,425; Dec. 15.
Davis, Charles B., New York, N. Y. Activating decolorizing char for use in refining sugar and for analogous purposes. 1,565,911; Dec. 15.
Davis, Edward E., Chicago, Ill. Centering form apparatus for concrete floor construction. 1,565,912; Dec. 15.
Davis, Joel E. (See Braley, Thomas E., assignor.)
Davis, Lyman K., Springfield, Ill. Fob or similar article. Des. 69,013; Dec. 15.
Davis, Philip W., Cambridge, Mass. Refining lead. 1,566,078; Dec. 15.
Daykin, Spensley S., and H. O. Davidson, assignors to The Hydraulic Pressed Steel Co., Cleveland, Ohio. Vertical joint for wall sheets. 1,565,309; Dec. 15.
Dayton, James M., Hartford, assignor to The Dayton Manufacturing Company, Torrington, Conn. Revolution counter and totalizer. 1,565,715; Dec. 15.
Dayton Manufacturing Company, The. (See Dayton, James M., assignor.)
Delco-Light Company. (See Roszkowski, Adolf, assignor.)
De Love, James. (See Christman, P. J., jr., and De Love.)
Dennison, Samuel L. (See Jones, S. L., and Dennison.)
Denny, Charles W., and W. E. McLaughlin, assignors to The Barkelew Electric Manufacturing Company, Middletown, Ohio. Radio phone plug. 1,565,263; Dec. 15.
De Soto Chemical Company. (See Gaskins, Thomas, jr., assignor.)
Despard, Victor R., Valparaiso, Ind. Electrical bracket fixture. Des. 69,014; Dec. 15.
De Stefani, Tally, assignor to Liquid Carbonic Company, Chicago, Ill. Hinge. 1,565,848; Dec. 15.
De Walt, Dennis L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-stripping machine. 1,565,426; Dec. 15.
Diederichs, Carl A., Pittsburgh, Pa. Jumping figure toy. 1,565,716; Dec. 15.
Dietzmann, Engen J., Los Angeles, Calif. Lighting fixture. Des. 69,015; Dec. 15.
Dillard, Wesley A., Pine Bluff, Ark. Wheel. 1,566,080; Dec. 15.
Dillehay, Edward R., and A. R. Lukens, Wyoming, assignors to The Richardson Company, Lockland, Ohio. Packing asphalt. 1,565,798; Dec. 15.





Dixon, Ezra, Bristol, R. I. Top-roll saddle. 1,565,553; Dec. 15.
Dixon, Frank C., Winona, Minn. Saw attachment for tractors. 1,565,427; Dec. 15.
Dixon, Harold W. A., Hollis, assignor to Columbia Ribbon & Carbon Manufacturing Company, Inc., New York, N. Y. Marking or branding of carbon paper. 1,565,310; Dec. 15.
Dixon, Walter C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature-controlling system. 1,565,428; Dec. 15.
Dodge, Ida, San Francisco, Calif. Supporter. 1,565,429; Dec. 15.
Dodson, Harold S., and W. H. Shirey, Detroit, Mich. Condenser. 1,565,351; Dec. 15.
Doell, Theodore W. (See Hanna, R. W., Cushman, and Doell.)
Domestic Electric Company, The. (See Goldrick, Albert R., assignor.)
Donaldson, Joseph G. (See McKee, Ralph H., assignor.)
Donavan, Paul J., Los Angeles, Calif. Brake-testing machine. 1,565,717; Dec. 15.
Donley, Albert E., Providence, R. I. Stoplight. Des. 69,016; Dec. 15.
Donovan, John J., Oakland, Calif. Release mechanism for awning-type windows. 1,565,991; Dec. 15.
Doolittle, Thomas C. (See Anderson, Carl, assignor.)
Dorman, Edward, Houston, Tex. Safety device for oil wells. 1,565,718; Dec. 15.
Doran, Daniel A., Yonkers, N. Y. Mail elevator. 1,565,311; Dec. 15.
Doran, Daniel A., Yonkers, N. Y. Mail elevator. 1,565,312; Dec. 15.
Doran, Eugene, et al. (See Martin, Robert P., assignor.)
Doremus, Effie F., administratrix. (See Doremus, Willard D.)
Doremus, Willard D., deceased, by E. F. Doremus, administratrix, assignor to T. M. Gittings, trustee, Washington, D. C. Cotton gin. 1,565,626; Dec. 15.
Dosker, Cornelius de R., Chicago, Ill. Tank-car valve. 1,565,928; Dec. 15.
Doty, Jerald G., St. Louis, Mo. Visible dispensing device. 1,565,627; Dec. 15.
Douglas, Harry A., Bronson, Mich. Circuit connecter. 1,565,313; Dec. 15.
Douglas, Harry A., Bronson, Mich. Electrical connecter. 1,565,314; Dec. 15.
Dover, George W., Longmeadow, assignor of one-half to J. Montgomery, Woonsocket, R. I. Curtain holder. 1,566,081; Dec. 15.
Draper Corporation. (See Hoeber, Harold, assignor.)
Draper Corporation. (See Willard, George H., assignor.)
Driver, James B., Delaware, Ohio. Fastening means for collars. 1,565,914; Dec. 15.
Dubi, Boris, Brooklyn, N. Y. Adjustable eccentric. 1,565,264; Dec. 15.
Dubilier Condenser & Radio Corporation. (See Dubilier, William, assignor.)
Dubilier, William, New Rochelle, assignor to Dubilier Condenser & Radio Corporation, New York, N. Y. Insulating structure for high-potential condensers. 1,565,799; Dec. 15.
Dugins, William F., Melbourne, Victoria, Australia. Machine for cutting metal strips. 1,566,082; Dec. 15.
Duncan, Frank K., et al. (See Cobb, George, assignor.)
Duncan, Harry L. (See Egerton, Henry C., assignor.)
Dunkerley, William H., Paterson, N. J. Pressure fuel tank. 1,565,915; Dec. 15.
Dunkley, William H., Birmingham, England. Perambulator or baby carriage. 1,565,719; Dec. 15.
Dunlop Tire and Rubber Corporation of America. (See Jones, Arthur W., assignor.)
Du Plessis, Daniel J., assignor of one-third to J. D. H. Verster, Koster, Transvaal, South Africa. Implement or machine for harvesting maize. 1,565,315; Dec. 15.
Durand, Victor, jr., Vineland, N. J. Machine for making and finishing glass bars, rods, tubes, bottle necks and the like. 1,565,849; Dec. 15.
Durante, Frank, Paterson, N. J. Carburetor. 1,565,916; Dec. 15.
Dzierlenga, Frank, New York, N. Y. Automatic gas cut-off. 1,565,800; Dec. 15.
Earley, Claude M., Brooklyn, N. Y. Cutting machine for printing-press rollers. 1,566,184; Dec. 15.
Eaton, William A., Arlington, Va., assignor to Radio Corporation of America, New York, N. Y. Method of and apparatus for controlling alternating currents. 1,565,316; Dec. 15.
Eclipse Textile Devices, Inc. (See Hasbrouck, Louis H., assignor.)
Eddy, Harold C., Los Angeles, Calif., assignor to Petroleum Rectifying Company of California. Dehydration process. 1,565,992; Dec. 15.
Eden, Charles. (See Herrington, Florence L., assignor.)
Edson, Frank A., Norman, Okla., and B. B. Carter, Hinsdale, Ill. Drill. 1,565,430; Dec. 15.
Edwards, George D., East Orange, and W. H. Capen, Mountain Lakes, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone intercommunicating system for aeroplanes. 1,565,628; Dec. 15.
Egerton, Henry C., Ridgewood, N. J. Book and cover. 1,565,629; Dec. 15.
Egerton, Henry C., Passaic, assignor to H. L. Duncan, Ridgewood, N. J. Making books and covers. 1,565,630; Dec. 15.
Electrical Development Corporation. (See Blaustein, Abe B., assignor.)
Elliott, William E., Lynn, Mass., assignor to American Button & Fastener Co., Augusta, Me. Button. 1,565,265; Dec. 15.
Ellis, James B., assignor of one-half to C. M. Bradley, Harvey, Ill. Internal-combustion engine. 1,565,352; Dec. 15.
Elmgren, William T., Vancouver, Wash. Attachment for the heating coils of electrical stoves. 1,566,185; Dec. 15.
Empson, Alfred W., London, England. Apparatus for determining dielectric strength. 1,565,721; Dec. 15.
English, Fred S., New London, Conn. Inking mechanism for presses. 1,565,317; Dec. 15.
English, Frederick A., and E. W. Wiehle, Chicago, Ill., assignors to Birtman Electric Company. Vacuum cleaner. 1,565,917; Dec. 15.
Enterprise Railway Equipment Company. (See Zimmer, Albert E., assignor.)
Erasmus, Paul. (See Weber, J., and Erasmus.)
Eriksen, Einar B., Brooklyn, N. Y., assignor, by mesne assignments, to Bates-Roebling Patents Co. Inc., of New York. Typewriting machine. 1,565,554; Dec. 15.
Estelle, Axel T. K., Hagen, Germany. Treatment of iron sulphide ores containing other metals. 1,565,353; Dec. 15.
Estes, Walker S., Tulsa, Okla. Pony bull wheel. 1,565,720; Dec. 15.
Evans, Edwin R., Detroit, Mich. Clutch construction. 1,565,722; Dec. 15.
Evans, Fred, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated. Talking toy mechanism. 1,565,723; Dec. 15.
Evansville Tool Works. (See Ade, Rudolph, assignor.)
Fairbanks, E. and T., and Company. (See Bousfield, Alfred, assignor.)
Fairbanks, Ernest H. (See Fitzpatrick, Hugh D., assignor.)
Fairchild, Miner M., and G. J. Nix, Poseyville, Ind. Fence guard. 1,565,431; Dec. 15.
Farnsworth, Marie, New Brunswick, N. J. Manufacturing gypsum from anhydrite. 1,566,186; Dec. 15.
Farrell, George R., assignor, by mesne assignments, to Standard Pyroxoloid Corporation, Leominster, Mass. Toilet article. 1,565,354; Dec. 15.
Farrell, James E., Throop, assignor of one-fourth to G. Gelatt, Scranton, Pa. Advertising device. 1,565,356; Dec. 15.
Farrell, Joseph E., jr., Lancaster, Pa. Fluid clutch. 1,565,355; Dec. 15.
Fay, Horace B. (See Wadsworth, Howard L., assignor.)
Federal Electric Company. (See Ogle, Elmer L., assignor.)
Fensom, William R., Richmond, Va., assignor of one-half to S. Wilson. Water-closet. 1,565,631; Dec. 15.
Fenwick, Edward T. (See Asplund, Axel A., assignor.)
Ferter, Charles H., Millburn, N. J., assignor to American Telephone and Telegraph Company. Arrangement for automatically controlling volume output. 1,565,555; Dec. 15.
Fifer, James L., Vale, Oreg. Seed planter. 1,566,187; Dec. 15.
Finkhaus, Oskar, assignor to Bohn & Herber, Maschinenfabrik und Eisengiesserei, Wurzburg, Bavaria, Germany. High-speed cylinder printing press. 1,566,188; Dec. 15.
Finkhaus, Oskar, assignor to Bohn & Herber, Maschinenfabrik und Eisengiesserei, Wurzburg, Bavaria, Germany. Inking mechanism of printing presses. 1,566,189; Dec. 15.
Finkhaus, Oskar, assignor to Bohn & Herber, Maschinenfabrik und Eisengiesserei, Wurzburg, Bavaria, Germany. Pneumatic buffer. 1,566,190; Dec. 15.
Finley, Sam E. (See Strahan, Charles M., assignor.)
Finney, Cassius L., et al. (See Green, Lee B., assignor.)
Firestone Steel Products Company, The. (See Swain, Joseph G., assignor.)
Firestone Tire and Rubber Company, The. (See Myers, Carmon A., assignor.)
Fish, Winfield J., assignor of one-half to A. Cress, Hamilton, Ohio. Packing box for pulp and paper beaters. 1,565,632; Dec. 15.
Fisher, Ernest F., St. Louis, Mo. Separator. 1,565,318; Dec. 15.
Fisher, Stanley L., Chester, assignor to The Pratt Read Player Action Company, Deep River, Conn. Music-roll spindle. 1,565,633; Dec. 15.
Fitzgerald, Jerry. (See Andrus, Samuel, assignor.)
Fitzgerald Manufacturing Company, The. (See Fitzgerald, Patrick J., assignor.)
Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Casket. 1,565,918; Dec. 15.
Fitzpatrick, Hugh D., Glasgow, Scotland, assignor to E. H. Fairbanks, Philadelphia, Pa. Disk-record container or cabinet. 1,565,993; Dec. 15.
Flanagan, Joseph C., Pittsburgh, Pa. Arch-corrective device. 1,565,266; Dec. 15.
Flebotte, George A., Indian Orchard, Mass. Loading apparatus. 1,565,919; Dec. 15.
Fleischel, Marie C. L. G., and E. L. F. M. Pironneau, Paris, France. Sawing machine. 1,566,191; Dec. 15.

Flemister, J. A., et al. (See Monschke, Luke G., assignor.)
Flick, Henry, assignor to Hayes Wheel Company, Jackson, Mich. Testing machine for wheels. 1,565,920; Dec. 15.
Flynn, Joseph W., Erie, Pa. Liquid-fuel burner. 1,565,432; Dec. 15.
Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Filament and manufacture thereof. 1,565,724; Dec. 15.
Foote, Charles E., assignor to The Foote Company, Inc., Nunda, N. Y. Boom drive. 1,565,634; Dec. 15.
Foote Company, The. (See Foote, Charles E., assignor.)
Ford, Clara P. (See Ford, Silas M., assignor.)
Ford, Clara P., executrix. (See Ford, Silas M.)
Ford, Frederick H., Waupun, Wis., assignor to The Totalux Company. Headlight lens. 1,565,433; Dec. 15.
Ford, Silas M., deceased; C. P. Ford, executrix, assignor to C. P. Ford, St. Paul, Minn. Lath board. 1,565,921; Dec. 15.
Forrest, Albert J., Chicago, Ill. Key holder. 1,566,192; Dec. 15.
Forslund, Harry E., Minneapolis, Minn. Engine-valve-setting gauge. 1,566,083; Dec. 15.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-splitting system. 1,565,434; Dec. 15.
Foster, William B., Norwood, and T. E. Manning, Cincinnati, Ohio. Sanitary paste-dispensing device. 1,566,193; Dec. 15.
Fowle, Arthur E., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Forming sheet glass. 1,565,319; Dec. 15.
Fowler, Del Roy F., Melrose Park, Pa. Upholstery pad. 1,565,267; Dec. 15.
Frame, James, Kogarah, near Sydney, New South Wales, Australia. Machine for removing burs and other entangled substances from skins and pelts. 1,565,268; Dec. 15.
Franklin, George K., Swedesboro, N. J. Noncorrosive composition for terminal batteries. 1,565,994; Dec. 15.
Frantz, L. Oscar. (See Grant, Melville M., assignor.)
Frantz, Walter A., Cleveland, Ohio. Wringer. 1,565,320; Dec. 15.
Frantz, Walter A., Cleveland, Ohio. Electric connection. 1,565,321; Dec. 15.
Fraser, Gordon, N., and J., Arbroath, Scotland. Spindle and rove-sopping assembly for spinning frames and like textile machinery. 1,565,725; Dec. 15.
Fraser, John. (See Fraser, Gordon, N., and J.)
Fraser, Norman. (See Fraser Gordon, N., and J.)
Fraza, Robert C., Dixon, Ill. Loading and unloading device. 1,565,726; Dec. 15.
Freedlander, Abraham L., and W. G. Goodwin, assignors to The Rubber Development Company, Dayton, Ohio. Rubber compound and manufacture. 1,565,995; Dec. 15.
Freeman, James M., Elizabethtown, Pa. Sweeping attachment. 1,566,194; Dec. 15.
Fremon, Jules A., Leeper, Mo. Pin-tumbler lock. 1,565,556; Dec. 15.
Fremon, Jules A., Leeper, Mo. Pin-tumbler lock. 1,565,557; Dec. 15.
Fremon, Jules A., Leeper, Mo. Pin-tumbler lock. 1,565,558; Dec. 15.
French, Laurence E., Sebastopol, Calif. Oil burner. 1,565,996; Dec. 15.
Fr. Hesser Maschinenfabrik-Aktiengesellschaft. (See Gangler, Paul, assignor.)
Frick, William, and F. Klima, Detroit, Mich. Rim tool. 1,565,357; Dec. 15.
Friendly, Herbert M., Portland, Oreg. Telephone system. 1,565,269; Dec. 15.
Friendly, Herbert M., Chicago, Ill. Telephone system. 1,565,727; Dec. 15.
Frost Chill Company, The. (See Hibbard, Harry W., assignor.)
Fullips, George A., Milwaukee, Wis. Conveyer. 1,565,922; Dec. 15.
Galbraith, Thomas J., Richmond, Va. Coating machine. 1,565,435; Dec. 15.
Gammeter, John R. (See Beyea, Frank H., assignor.)
Gandrau, Noel E., Watts, Calif. Tool-holding device. 1,566,195; Dec. 15.
Gangler, Paul, Esslingen, assignor to the Firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Method and machine for making paper tubes. 1,565,635; Dec. 15.
Garcia, Gonzalo A., San Antonio, Tex. Folding container. 1,566,196; Dec. 15.
Gardner, Daniel H., and G. Baker, Minneapolis, Minn. Air-brake drain device. 1,566,084; Dec. 15.
Gardner, Leland A., East Orange, N. J., assignor to American Telephone and Telegraph Company. Alloy for Electrical contacts. 1,565,358; Dec. 15.
Garretson, Harry D., New York, N. Y. Protecting X-ray tubes. 1,566,197; Dec. 15.
Garretson, Harry D., New York, N. Y. Dental X-ray system. 1,566,198; Dec. 15.
Gaskins, Thomas, jr., assignor to De Soto Chemical Company, Arcadia, Fla. Roach exterminator. 1,566,199; Dec. 15.
Gaunt, Charles F., Birmingham, England. Ash tray for smokers' use. 1,565,728; Dec. 15.
Gazecki, Philip J. (See Greenwald, R. A., and Gazecki.)
Geaudreau and Thompson. (See Geaudreau, Frank, assignor.)
Geaudreau, Frank, assignor to Geaudreau and Thompson, Newport, Wash. Runner attachment for automobiles. 1,566,085; Dec. 15.
Gelatt, George. (See Farrell, James E., assignor.)
Genat, Louis P. E., Paris, France. Automatic machine for the manufacture of capsules. 1,565,729; Dec. 15.
General Electric Company. (See Fonda, Gorton R., assignor.)
General Electric Company. (See Given, R. D., and Liddiard, assignors.)
General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)
General Electric Company. (See Hilliard, John D., assignor.)
General Electric Company. (See Massey, Wesley F., assignor.)
General Electric Company. (See Roberson, Frank, assignor.)
General Electric Company. (See Rogers, Robert H., assignor.)
General Electric Company. (See Underwood, Louis E., assignor.)
General Electric Company. (See Whitney, Willis R., assignor.)
Gesholt Machine Company. (See Godfriaux, Louis E., assignor.)
Giard, Napoleon, St. Michel de Rougemont, Quebec, Canada, assignor to H. O. Girard, Nashua, N. H. Wall table. 1,566,200; Dec. 15.
Gibson, Charles R., Cincinnati, Ohio, assignor of one-half to W. H. Bruning, Evansville, Ind. Steam engine. 1,566,201; Dec. 15.
Gifford, Harry E., Medford, Mass. Doorcheck. 1,565,923; Dec. 15.
Gillen, George A., Jersey City, N. J., assignor to Gillen Laboratories Corporation. Transmission lock. 1,565,559; Dec. 15.
Gillen Laboratories Corporation. (See Gillen, George A., assignor.)
Giller, Hugo A., Elmhurst, N. Y. Illuminating attachment for musical instruments. 1,566,202; Dec. 15.
Gillet, James M., Milwaukee, Wis., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Vulcanization of caoutchouc. 1,566,247; Dec. 15.
Gillmore, Frank W., Lorain, Ohio. Wheel and rim. 1,566,203; Dec. 15.
Gillmore, Frank W., Lorain, Ohio. Wheel and rim. 1,566,204; Dec. 15.
Gillmore, Frank W., Lorain, Ohio. Wheel and rim. 1,566,205; Dec. 15.
Gilmour, John, Oswensboro, Ky. Headrest attachment for chairs. 1,565,730; Dec. 15.
Girard, Henry O. (See Giard, Napoleon, assignor.)
Girard, Louis B., Los Angeles, Calif., assignor to Columbia Mills Incorporated, New York, N. Y. Frame for stretching shade cloth. 1,565,731; Dec. 15.
Girvin, Charles W., Buena Park, assignor to Petroleum Rectifying Company of California, San Francisco, Calif. Centrifugal dehydrator. 1,565,997; Dec. 15.
Gittings, Thomas M., trustee. (See Doremus, Willard D., assignor.)
Given, Ralph D., Leamington, and H. W. C. Liddiard, Rugby, England, assignors to General Electric Company. Electric-motor-control system. 1,566,086; Dec. 15.
Glaze, Clifford H., Long Beach, Calif. Auto signal. 1,565,998; Dec. 15.
Goddard, Charles F., assignor to The Union Machine Company, Denver, Colo. Driving mechanism. 1,565,732; Dec. 15.
Godfriaux, Louis E., assignor to Gesholt Machine Company, Madison, Wis. Power-operated chuck, 1,565,733; Dec. 15.
Goetz, Charles, New York, N. Y. Folding stool. 1,565,636; Dec. 15.
Goff, Harold W., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone switch. 1,565,637; Dec. 15.
Goldrick, Albert R., assignor to The Domestic Electric Company, Cleveland, Ohio. Induction-motor starting and overload switch. 1,565,638; Dec. 15.
Goldsmith, John. (See Leipert, A. H., and Goldsmith.)
Goodell, E. G., et al., trustees. (See White, Alfred H., assignor.)
Goodrich, B. F., Company, The. (See De Walt, Dennis L., assignor.)
Goodrich, B. F., Company, The. (See Harty, Ray W., assignor.)
Goodrich, B. F., Company, The. (See Walczak, Antoni, assignor.)
Goodwin, William G. (See Freedlander, A. L., and Goodwin.)
Goodyear Tire & Rubber Company, The. (See Gillet, James M., assignor.)
Goodyear Tire & Rubber Company, The. (See O'Brien, William G., assignor.)
Goodyear Tire & Rubber Company, The. (See Patterson, Ian D., assignor.)
Goodyear Tire & Rubber Company, The. (See Templin, Ellis W., assignor.)
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Clutch. 1,565,639; Dec. 15.





Gordon, John W., Brislington, assignor to Chappell Allen & Company, Limited, Redfield, Bristol, England. Corset and similar garment for ladies' wear. 1,565,270; Dec. 15.
Gorretta, Andrew, assignor to The Worldseye Company, Cleveland, Ohio. Motion-picture machine. 1,566,087; Dec. 15.
Gorton, Walter T., U. S. Army. Hand-trigger mechanism. 1,565,560; Dec. 15.
Goud, Lyman B., Brooklyn, N. Y. Transmission mechanism for vehicles. 1,565,271; Dec. 15.
Grant, Melville M., assignor of one-half to L. O. Frantz, Alliance, Ohio. Combustion head. 1,565,359; Dec. 15.
Grasselli Chemical Company, The. (See Grine, Harry A., assignor.)
Grasselli Chemical Company, The. (See Howard, Henry, assignor.)
Grasselli Dyestuff Corporation. (See Vossen, Bartholomäus, assignor.)
Graver, Philip S., Chicago, Ill. Tank. 1,565,924; Dec. 15.
Green, Alfred. (See Twyman F., and Green.)
Green, Andrew J., Jamestown, N. Dak. Rural-mail-box latch. 1,565,561; Dec. 15.
Green, Charles W., Millburn, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Transmission regulation. 1,565,925; Dec. 15.
Green, Lee B., Lakewood, assignor of one-third to E. L. Jones, Cleveland, one-third to C. L. Finney, Canton, and one-third to C. B. Krause, Cleveland, Ohio. Pump. 1,565,640; Dec. 15.
Green, Samuel W., Philadelphia, Pa. Woodworking machine. 1,565,926; Dec. 15.
Green, Samuel W., Glenside, Pa. Woodworking tool and operating means therefor. 1,565,927; Dec. 15.
Greene, Charles A., New York, N. Y. Garment supporter. 1,566,206; Dec. 15.
Greene, Oscar V., Cleveland, Ohio. Dust-cleaning element. 1,566,088; Dec. 15.
Greenhut, Abraham S., et al. (See Greenhut, Benjamin B., assignor.)
Greenhut, Benjamin B., Astoria, assignor of one-third to D. D. Grunhut and one-third to A. S. Greenhut, New York, N. Y. Supporting bracket for curtains, draperies, and the like. 1,565,734; Dec. 15.
Greenhut, Benjamin B., Astoria, assignor of one-third to D. D. Grunhut and one-third to A. S. Greenhut, New York, N. Y. Supporting bracket for curtains, draperies and the like. 1,565,735; Dec. 15.
Greenwald, Reinhold A., Neenah, and P. J. Gazecki, Menasha, Wis. Lubricated vehicle spring. 1,565,436; Dec. 15.
Greife, John, Dayton, Ky. Toy amusement device. 1,565,437; Dec. 15.
Greife, John, Dayton, Ky. Toy amusement device. 1,565,438; Dec. 15.
Gresley, Herbert N., Hadley Wood, England. Steam or other locomotive comprising booster engine or motor. 1,565,641; Dec. 15.
Griffith, Thomas R., Dover, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Electron-discharge device. 1,565,562; Dec. 15.
Griggs, Leon H., Punta Gorda, Fla. Radius-rod assemblage. 1,566,207; Dec. 15.
Grine, Harry A., Clarksburg, W. Va., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Zinc condenser. 1,565,928; Dec. 15.
Gross, George W. (See Kohloff, Paul, assignor.)
Grotenhuis, William J., Chicago, assignor to Bifiex Products Company, Waukegan, Ill. Automobile bumper. 1,565,272; Dec. 15.
Grotenhuis, William J., Chicago, assignor to Biflex Products Company, Waukegan, Ill. Automobile bumper. 1,565,273; Dec. 15.
Gruenfeldt, Emil, assignor to The Hydraulic Steel Company, Cleveland, Ohio. Ironing machine. 1,565,322; Dec. 15.
Grunhut, David D., et al. (See Greenhut, Benjamin B., assignor.)
Guiberson Corporation, The. (See Crickmer, Charles S., assignor.)
Gunderman, Lester S., Pittsburgh, Pa. Mechanical toy. 1,565,929; Dec. 15.
Gundlach, C. I. (See Hausman, Bernard, assignor.)
Guyot, Gaston A., Attleboro, Mass. Buckle. 1,565,563; Dec. 15.
Haak, Harry C., Scranton, Pa. Cooling internal-combustion engines. 1,565,323; Dec. 15.
Haas, Herman, Marengo, Ill. Musical instrument. 1,565,439; Dec. 15.
Haas, Louis, Paris, France, and E. Reber, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Bluish sulphurized indophenol-benzidine dye and making the same. 1,565,736; Dec. 15.
Hadley, Cecil A., Inverness, Scotland. Electric resistance welding. 1,566,208; Dec. 15.
Hageman, Aaron M., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Introducing potassium or other vapors in lamps. 1,565,564; Dec. 15.
Hainke, Edward, Grand Rapids, Minn. Tire-repairing device. 1,565,440; Dec. 15.
Halder, Leo C., Ceresco, assignor of one-third to A. W. Lockton, sr., Battle Creek, Mich. Vehicle spring. 1,565,930; Dec. 15.
Haley, Richard A., Hollywood, Calif. Winding apparatus. 1,565,931; Dec. 15.
Hallborg, Henry E., and H. R. Miller, Washington, D. C. High-speed signaling key. 1,565,360; Dec. 15.
Halt, Charles H., Ossian, assignor of one-fourth to C. A. Hoffman, Fort Wayne, and sixty one-hundredths to E. W. Kinsey, Claypool, and H. Kinsey, North Manchester, Ind. Tractor hitch. 1,565,999; Dec. 15.
Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Light-focusing apparatus. 1,566,260; Dec. 15.
Hamilton, Harold S., New York, N. Y., assignor to American Telephone and Telegraph Company. Automatic volume regulation of transmission systems. 1,565,441; Dec. 15.
Hampton, Abijah E., Pittstown, and C. S. Marshall, Baptistown, N. J. Chick feeder. 1,565,737; Dec. 15.
Haney, George B., assignor to Ashland Fire Brick Company, Ashland, Ky. Brick machine. 1,565,738; Dec. 15.
Haney, George B., assignor to Ashland Fire Brick Company, Ashland, Ky. Trimming mechanism for brick machines. 1,565,739; Dec. 15.
Hanna, Richard W., Piedmont, O. E. Cushman and T. W. Doell, Berkeley, assignors to Standard Oil Company, San Francisco, Calif. Manufacturing lubricating oils. 1,566,000; Dec. 15.
Hans, Willy, New York, N. Y. Safety attachment for gas stoves. 1,565,740; Dec. 15.
Hansen, Charles, assignor to Davenport Machine and Foundry Company, Davenport, Iowa. Head for street-lamp standards. Des. 69,018; Dec. 15.
Hanson, Clinton H., Chicago, Ill., assignor to Motor Player Corporation. Actuating player pianos. 1,565,932; Dec. 15.
Harding, Edward, Chicago, Ill. Device for pulling out batteries. 1,566,089; Dec. 15.
Harkom, John W., Melbourne, Quebec, Canada. Front sight for high-velocity weapons. 1,565,443; Dec. 15.
Harrington, Ertie L., Saskatoon, Saskatchewan, Canada, assignor to Westinghouse Lamp Company. Electric gas lamp. 1,565,565; Dec. 15.
Harrington, Howard & Ash. (See Howard, E. E., and Tammen, assignors.)
Harris, John, Cleveland, Ohio. Gaseous fuel. 1,565,933; Dec. 15.
Harris, John, Cleveland, Ohio. Gaseous fuel. 1,565,934; Dec. 15.
Harris, John, Cleveland, Ohio. Gaseous fuel. 1,565,935; Dec. 15.
Hart, Ernest J., Rochester, N. Y. Automobile signal. 1,565,741; Dec. 15.
Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,565,936; Dec. 15.
Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Translating device. 1,565,566; Dec. 15.
Hartman, Emanuel W., Oakland, assignor to Hartman Interests, Inc., Los Angeles, Calif. Rotary pump. 1,565,324; Dec. 15.
Hartman Interests, Inc. (See Hartman, Emanuel W., assignor.)
Harty, Ray W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tube-splicing device. 1,566,090; Dec. 15.
Harvel, John R., Muskogee, Okla. Broom holder. 1,565,642; Dec. 15.
Hasbrouck, Louis B., Elmira, assignor to Eclipse Textile Devices, Inc., Elmira Heights, N. Y. Yarn cleaner. 1,565,850; Dec. 15.
Hasbrouck, Louis B., Elmira, assignor to Eclipse Textile Devices, Inc., Elmira Heights, N. Y. Slub catcher and yarn cleaner. 1,565,851; Dec. 15.
Hasbrouck, Louis B., Elmira, assignor to Eclipse Textile Devices, Inc., Elmira Heights, N. Y. Yarn cleaner. 1,565,852; Dec. 15.
Hasbrouck, Louis B., Elmira, assignor to Eclipse Textile Devices, Inc., Elmira Heights, N. Y. Device for operating on traveling yarns. 1,565,853; Dec. 15.
Hashim, Nageeb T., Manila, P. I. Stone-block-sawing machine. 1,565,444; Dec. 15.
Hasselbring, John, jr., Farmingdale, N. Y. Starter for internal-combustion engines. 1,565,854; Dec. 15.
Hassell, William A., jr., Dolomite, Ala. Car coupler. 1,565,937; Dec. 15.
Haugh, Ralph S. (See Lorraine, J., and Haugh.)
Haus, John G., Weirton, W. Va. Water heater. 1,566,209; Dec. 15.
Hausman, Bernard, assignor to C. I. Gundlach, New York, N. Y. Metal window. 1,565,938; Dec. 15.
Hawaiian Pineapple Company. (See Hoyt, Simes T., assignor.)
Hawker, John R. S., A. H. Hayes, H. W. Smith, R. V. Smith, and I. C. V. Smith, Nottingham, England. Apparatus for delivering measured volumes of liquid. 1,566,210; Dec. 15.
Hawkeye-Dart Truck Company. (See Johnson, Willis H., assignor.)
Hawley, John B., jr., Colorado Springs, Colo. Spark plug and the like. 1,565,274; Dec. 15.
Hawn, Richard C. (See Rugh, Harry O., assignor.)
Hayes, Alexander H. (See Hawker, J. R. S., Hayes, and Smith.)

Hayes, Harvey C., Annapolis, Md. Method of and apparatus for determining the direction of wave energy. 1,565,361; Dec. 15.
Hayes Wheel Company. (See Flick, Henry, assignor.)
Hays, Robert L., Dallas, Tex. Oil-packing washer. 1,565,643; Dec. 15.
Heaton, Herman C., Berwyn, Ill. Radiator vent and alarm device. 1,565,567; Dec. 15.
Heine, Herman E. (See Schlesinger L., and Heine.)
Heinecke, William. (See Schaeren, Ernst, assignor.)
Heise, Otto W., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Retard gauge. 1,565,445; Dec. 15.
Heise, Otto W., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Retard gauge. 1,565,446; Dec. 15.
Heise, Otto W., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Dampening device for pressure gauges. 1,565,447; Dec. 15.
Hemleb, Martin, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Safety device for electric sewing machines. 1,565,362; Dec. 15.
Henderson, Clark T. (See Rosenstein, L., and Henderson.)
Henderson, John C., New York, N. Y., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing sheet glass. 1,565,364; Dec. 15.
Henderson, John C., New York, N. Y., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing sheet glass. 1,565,364; Dec. 15.
Henderson, Tasker, Des Moines, Iowa. Block and wall structure. 1,566,211; Dec. 15.
Hendricks, Ralph T., and W. C. Patterson, Indianapolis, Ind.; said Ralph T. Hendricks, assignor to said W. C. Patterson. Shade roller. 1,566,248; Dec. 15.
Henkel, Paul H., assignor to Continental Rubber Works, Erie, Pa. Coupling hose. 1,565,275; Dec. 15.
Herman, Joseph, New York, N. Y., assignor to American Telephone and Telegraph Company. Regulating motors. 1,565,326; Dec. 15.
Herrick, Frank A., Toledo, Ohio. Lacing hook. 1,566,001; Dec. 15.
Herrington, Florence L., assignor of fifty-one one-hundredths to C. Eden, Hartford, Conn. Cigar-wrapping machine. 1,565,939; Dec. 15.
Hess, Arthur, assignor of one-half to S. L. Marsh, Los Angeles, Calif. Drainage connection for closet bowls. 1,566,002; Dec. 15.
Hetherington, John, and Sons Limited. (See Horridge, James, assignor.)
Hewitt, Daniel A., Thomasville, N. C. Lubricant retainer. 1,565,448; Dec. 15.
Hewlett, Frank G., assignor to Allison Lumber Company, Inc., Bellamy, Ala. Chock block. 1,565,801; Dec. 15.
Hibbard, Harry W., assignor to The Frost Chill Company, Cleveland, Ohio. Chilling bowl. Des. 69,019; Dec. 15.
Hickel, William, Zurich, and O. Pletscher, jr., Albisrieden, Switzerland. Automatic excess-heat fuse for electric machines and apparatus. 1,565,644; Dec. 15.
Hidzick, Joseph F., San Francisco, Calif. Fish-washing tank. 1,565,365; Dec. 15.
Higbee, James F., Detroit, Mich. Rotary internal-combustion engine. 1,565,449; Dec. 15.
Hilger, Adam, Limited. (See Twyman, F., and Green, assignors.)
Hill, Harry W. (See Tillyer, E. D., and Hill.)
Hill, Harry W., assignor to American Optical Company, Southbridge, Mass. Lens block. 1,566,003; Dec. 15.
Hill, Harry W., and E. D. Tillyer, assignors to American Optical Company, Southbridge, Mass. Making lenses 1,566,051; Dec. 15.
Hill, John E., Potter, Ark. Saw swage. 1,565,940; Dec. 15.
Hill, Thomas A. (See Hush, V. G., and Hill.)
Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electrical apparatus. 1,566,091; Dec. 15.
Hills, Harry B., Hudson, N. Y. Port light. 1,565,645; Dec. 15.
Hillyard, Herbert L. (See Smith, C. A., and Hillyard.)
Himmel, Fred and I., New Haven, Conn. Store-front construction. 1,566,004; Dec. 15.
Himmel, Fred and I., New Haven, Conn. Store-front construction. 1,566,005; Dec. 15.
Himmel, Isidore. (See Himmel, Fred and I.)
Hiniker, Benjamin F., Taft, Calif. Pipe spider. 1,566,006; Dec. 15.
Hinnegan, John R., Philadelphia, Pa. Machine for rolling metal balls. 1,566,007; Dec. 15.
Hinrichs, Carl G., St. Louis, Mo. Treating crude oil or petroleum. 1,566,008; Dec. 15.
Hinrichs, Carl G., St. Louis, Mo. Treating petroleum. 1,566,009; Dec. 15.
Hipwell, Harry H., Pittsburgh, Pa. Electric battery and making same. 1,565,450; Dec. 15.
Hively, Ossian, Alliance, Ohio. Automatic electrical actuating device. 1,566,010; Dec. 15.
Hoban, Fairfield, Brooklyn, assignor to Hoban Receiver Holder Corporation, New York, N. Y. Telephone attachment. 1,566,212; Dec. 15.
Hoban Receiver Holder Corporation. (See Hoban, Fairfield, assignor.)
Hobbs, John W., assignor to The Home Elevator Company, Indianapolis, Ind. Cable equalizer for elevators and the like. 1,565,646; Dec. 15.
Hoberg, Oscar T., McKeesport, Pa. Lowering device. 1,566,213; Dec. 15.
Hoeber, Harold, North Billerica, assignor to Draper Corporation, Hopedale, Mass. Combined warp and weft stop mechanism for looms. 1,566,249; Dec. 15.
Hoffmann, Charles A., et al. (See Halt, Charles H., assignor.)
Hoffmann, Edward J., Cincinnati, Ohio. Method and apparatus for finishing photographic prints. 1,565,451; Dec. 15.
Hogg, Theodore B., Pittsburgh, Pa. Vaporizer. 1,565,452; Dec. 15.
Hogg, Theodore B., Dayton, Ohio. Fuel moistener. 1,565,453; Dec. 15.
Hoisington, Anson P., Powell, Wyo. Hoist and conveyer. 1,565,454; Dec. 15.
Hoke, Harry G., Stillwater, Okla. Switch mechanism. 1,565,455; Dec. 15.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Drop weight for pattern mechanism. 1,565,568; Dec. 15.
Holst, Lodewyk J. R. (See Brock, A., jr., and Holst.)
Holt, Denzell E., Seattle, Wash. Call sheet. 1,565,456; Dec. 15.
Home Elevator Company, The. (See Hobbs, John W., assignor.)
Honegger, John A., New York, N. Y. Smoking set. 1,566,139; Dec. 15.
Hood, John L., Pawtucket, R. I. Box. 1,565,457; Dec. 15.
Hook, Charles H., Pittsburgh, Pa. Boiler. 1,566,011; Dec.
Höppner, Georg, Neukölln, Germany. Machine for shaping leather leggings. 1,565,276; Dec. 15.
Horridge, James, Bolton, assignor to John Hetherington and Sons Limited, Manchester, England. Machine for combing cotton, wool, and the like. 1,565,647; Dec. 15.
Horton, Erwin C. (See Oishei, J. R. and Horton.)
Horton, Joseph W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave signaling system. 1,566,012; Dec. 15.
Hotchkin, Paul M., Chicago, Ill. Lighting fixture. 1,565,277; Dec. 15.
Houskeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,565,569; Dec. 15.
Houskeeper, William G., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,565,570; Dec. 15.
Howard, Ernest E., and H. C. Tammen, Kansas City, Mo., assignors to Harrington, Howard & Ash. Lift bridge. 1,565,571; Dec. 15.
Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Apparatus for the absorption of gases in liquids. 1,565,366; Dec. 15.
Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Electrolytic process for the production of copper carbonate. 1,565,367; Dec. 15.
Howell, Frank B., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Boiler. 1,566,250; Dec. 15.
Hoyt, Simes T., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Machine for trimming fruits. 1,565,648; Dec. 15.
Hughson, George W., and A. S. Bacon, Oakland, Calif. Cylinder-boring tool. 1,565,980; Dec. 15.
Hukill, Henry D., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Motor-vehicle control device. 1,565,458; Dec. 15.
Hume, John, Houston, Tex., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,565,459; Dec. 15.
Humphreys, Cullis M., et al. (See Kee, William A., assignor.)
Hunt, Marsden H., Oakland, Calif., assignor to Westinghouse Electric & Manufacturing Company. Mold for casting insulators. 1,565,460; Dec. 15.
Hunt, Thomas E., Chicago Heights, assignor to Quaker Manufacturing Company, Chicago, Ill. Ironing machine. 1,565,368; Dec. 15.
Hunt, William W., Bexley, assignor, by mesne assignments, to W. W. Hunt, F. A. Miller, E. E. Lerch, J. E. Lerch, and O. H. Williams, Columbus, Ohio. Heel. 1,565,941; Dec. 15.
Hunt, William W., et al. (See Hunt, William W., assignor.)
Huntley, Ernest R., assignor to Industrial Research Corporation, Toledo, Ohio. Liquid-feed system. 1,565,461; Dec. 15.
Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,566,013; Dec. 15.
Hush, Valentine G., New York, and T. A. Hill, Brooklyn, N. Y.; said Hill assignor to said Hush. Windshield cleaner. 1,565,802; Dec. 15.
Hyatt, Albert R., Beresford, S. Dak. Luggage carrier for automobiles. 1,566,092; Dec. 15.
Hydraulic Pressed Steel Company, The. (See Daykin, S. S., and Davidson, assignors.)
Hydraulic Steel Company, The. (See Gruenfeldt, Emil, assignor.)



Hyle, Jacob A. (See Thomann, R. A., and Hyle.)
Industrial Research Corporation. (See Huntley, Ernest R, assignor.)
Ingersoll-Rand Company. (See Jamerson, Francis A., assignor.)
Innes, Roy S., Madison, S. Dak. Cream separator. 1,566,093; Dec. 15.
International Holding Company, The. (See Niece, Fred G., assignor.)
International Motor Company. (See Leipert, A. H., and Goldsmith, assignors.)
Ishikawa, Tomo, Honeyville, Utah. Cigarette and match holder. 1,565,369; Dec. 15.
Iron Works Limited, The. (See Saunders, Malcolm B., assignor.)
Ivanovsky, Nicholas I., New York, N. Y. Furnace. 1,565,370; Dec. 15.
Ives, Frederick W., North Tonawanda, N. Y. Accelerator pedal. 1,566,094; Dec. 15.
Jaeger, William, Philadelphia, Pa. Bracket for lighting fixtures. Des. 69,020; Dec. 15.
Japolsky, Nicolas, London, England. Electromagnetic tool. 1,565,462; Dec. 15.
Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
Jenkins, John E., Chicago, Ill., assignor, by mesne assignments, of one-half to Zenith Radio Corporation. Sound-propagating apparatus. 1,565,942; Dec. 15.
Jenkins, William H. (See Schultz, Edward, assignor.)
Jensen, James A., assignor to Quaker City Iron Works, Philadelphia, Pa. Faucet. 1,565,649; Dec. 15.
Jensen, Peter M., Copenhagen, Denmark. Steering wheel for automobiles and the like. 1,565,803; Dec. 15.
Jesser, Albert E. (See McCrery, H. E., and Jesser.)
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid-actuated rotary machine. 1,566,095; Dec. 15.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Reversible throttle handle. 1,566,096; Dec. 15.
Johnson, Augusta S., Brooklyn, N. Y. Corset. 1,565,804; Dec. 15.
Johnson, Charles P., Pittsburgh, Pa. Device for eliminating smoke in boiler furnaces. 1,565,463; Dec. 15.
Johnson, Ella V., Whitehouse, Fla. Amusement vehicle. 1,566,097; Dec. 15.
Johnson, Frank L., Akron, Ohio. Collapsible-tire core. 1,566,014; Dec. 15.
Johnson, John B., Elmhurst, assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum tube. 1,565,855; Dec. 15.
Johnson, Lorenzo R., Chicago Heights, Ill. Displaying liquids. 1,566,015; Dec. 15.
Johnson, Per G., Kansas City, Kans., and C. W. Malmstrom, Kansas City, Mo. Suspender strap and belt support. 1,566,016; Dec. 15.
Johnson, Willis H., assignor to Hawkeye-Dart Truck Company, Waterloo, Iowa. Oil-salvage device. 1,566,098; Dec. 15.
Jones, Arthur W., Birmingham, England, assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Wheel. 1,566,017; Dec. 15.
Jones, Earl L., et al. (See Green, Lee B., assignor.)
Jones, George, Philadelphia, Pa. Knife sharpener. 1,566,140; Dec. 15.
Jones, Harry H., assignor of one-third to Y. Yuen and one-third to E. K. Seen, Santa Barbara, Calif. Screw jack. 1,565,805; Dec. 15.
Jones, Robert J., Chicago, Ill. Radiator shutter. 1,566,141; Dec. 15.
Jones, Sam. L., Covington, and S. L. Dennison, Mandeville, La. Two-way road sign. 1,566,214; Dec. 15.
Jorgensen, John C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-feeding device. 1,565,278; Dec. 15.
Josephy, Erwin, New York, N. Y. Registering device. 1,566,018; Dec. 15.
Josephy, Erwin, New York, N. Y. Combined menu card and bill. 1,566,019; Dec. 15.
Jupp, George E. (See Lenz, C. S., and Jupp.)
Kalman Steel Company. (See White, William E., assignor.)
Kaptuller, Alexander F., Chicago, Ill. Clamp for vehicle leaf springs. 1,565,856; Dec. 15.
Katcher, Morris. (See Waddell, M., and Katcher.)
Kathan, William W. (See Petersen, P. F., and Kathan.)
Kaufmann, Albert, Berlin, Germany. Casting Machine. 1,566,215; Dec. 15.
Kaufmann, Paul, Dresden, assignor to E. Scheding, Heidelberg, Germany. Feeding and delivering mechanism for platen presses. 1,566,142; Dec. 15.
Kay, Thomas, Denver, Colo. Musical-instrument rack. 1,565,464; Dec. 15.
Kaye, Samuel, Columbus, Miss. Cooler for bottled goods. 1,566,099; Dec. 15.
Kaye, Samuel, Columbus, Miss. Cooling chest. 1,566,100; Dec. 15.
Kearney, James F., assignor to Kearney Manufacturing Company, Chicago, Ill. Bar hanger. 1,565,465; Dec. 15.
Kearney Manufacturing Company. (See Kearney, James F., assignor.)
Kee, William A., Joplin, Mo., assignor of one-fourth to J. A. Worley and one-fourth to C. M. Humphreys, Baxter Springs, Kans. Pet valve. 1,565,650; Dec. 15.
Keene, Alvin D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Furnace resistor mounting. 1,565,466; Dec. 15.
Keith, Geo. E., Company. (See Perkins, David, assignor.)
Kelly, Mervin J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube manufacture. 1,565,857; Dec. 15.
Kelvinator Corporation. (See Spreen, Charles C., assignor.)
Kendall, Carl W., Glenside, Pa., assignor to Columbia Machine and Stopper Co. Inc., New York, N. Y. Bottle-capping machine. 1,565,371; Dec. 15.
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,566,101; Dec. 15.
Kenney Manufacturing Company. (See Kenney, William C., assignor.)
Kenney, William C., Cranston, R. I., assignor to Kenney Manufacturing Company. Curtain rod. 1,565,742; Dec. 15.
Keystone Mfg. Co. (See Marks, Isidore, assignor.)
Kincaid, Charles W., Carrick, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing. 1,565,467; Dec. 15.
King, Charles D., Rutherford, N. J. Paper fastener. 1,566,020; Dec. 15.
King, Claude G., and E. Tubbs, Cedar Rapids, Iowa. Mechanical-stoker regulator. 1,566,102; Dec. 15.
King, John R., Ruthven, Iowa. Windshield-control device. 1,566,216; Dec. 15.
Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,565,372; Dec. 15.
Kinney, Justus R., Boston, Mass. Rotary pump. 1,565,572; Dec. 15.
Kinsey, Embra W., et al. (See Halt, Charles H., assignor.)
Kinsey, Horry, et al. (See Halt, Charles H., assignor.)
Kirk, Morris P., Harbor City, Calif., assignor to Kirk Simon Smelting Co., Mina, Nev. Apparatus for producing zinc oxide. 1,566,103; Dec. 15.
Kirk, Simon Smelting Co. (See Kirk, Morris P., assignor.)
Klass, Martin, and S. Stern, New York, N. Y. Changeable finger ring. 1,566,651; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 69,021; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Segmental portion for lighting fixtures. Des. 69,022; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 69,023; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Bobeche for lighting fixtures. Des. 69,024; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting-fixture bracket. Des. 69,025; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Backplate for lighting fixtures. Des. 69,026; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting-fixture bracket. Des. 69,027; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Backplate for lighting fixtures. Des. 69,028; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting-fixture bracket. Des. 69,029; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Backplate for lighting fixtures. Des. 69,030; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting-fixture bracket. Des. 69,031; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Backplate for lighting fixtures. Des. 69,032; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting-fixture bracket. Des. 69,033; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 69,034; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Ceiling light. Des. 69,035; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 69,036; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Ceiling light. Des. 69,037; Dec. 15.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Table lamp. Des. 69,038; Dec. 15.
Kleinschmidt, Edward E., Long Island City, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Selective mechanism. 1,565,468; Dec. 15.

Klepac, Joseph, New York, N. Y., and L. Matirko, Elizabeth, N. J., assignors to Brambach Piano Co., New York, N. Y. Machine for trimming grand-piano cases. 1,565,573; Dec. 15.

Klima, Frank. (See Frick W., and Klima.)

Klopstock, Heinrich, Aussig, Czechoslovakia. Electrolysis of alkali chlorides. 1,565,943; Dec. 15.

Knoll, William J., assignor to H. B. Rouse & Company, Chicago, Ill. Conveyer. 1,565,944; Dec. 15.

Knothe, Frank F., Ridgewood, N. J. Belt buckle. 1,566,104; Dec. 15.

Kobert, Frank P., Worcester, Mass., assignor to Kobert Supplementary Pulley Rim Co. Supplemental rim for power pulleys or belt wheels. 1,565,469; Dec. 15.

Kobert Supplementary Pulley Rim Co. (See Kobert, Frank P., assignor.)

Kochendorfer, Frederic S., River Forest, and M. E. Robinson, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Taping machine. 1,565,652; Dec. 15.

Koehring Company. (See Lichtenberg, Erich H., assignor.)

Koehring Company. (See Tranaas, Emil L., assignor.)

Koenitz, Arthur C. (See Tichy, F., and Koenitz.)

Kohloff, Paul, assignor of one-half to G. W. Gross, Mamaroneck, N. Y. Spark plug and coil connecter. 1,566,143; Dec. 15.

Kohn, Sigmund F., New York, N. Y. Ironing-board cover. 1,565,373; Dec. 15.

Komarcsevits, George, and F. G. Nunn, Cleveland, Ohio. Safety device for locks. 1,566,021; Dec. 15.

Konoff, Alexander, New York, N. Y. Adjustable mounting for artificial eyes. 1,566,105; Dec. 15.

Kost, Joseph L., Houston, Tex. Shock-absorbing attachment for Ford automobiles and the like. 1,566,022; Dec. 15.

Kramer, Le Roy, Chicago, Ill. Propeller. 1,565,374; Dec. 15.

Krantz, Hubert K., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,565,470; Dec. 15.

Krause, Conrad B., et al. (See Green, Lee B., assignor.)

Kroeber, Thilo, Westend-Berlin, Germany, assignor to Naamlooze Vennootschap Noury & Vander Landis Handelmaatschappij, Deventer, Netherelands. Treating nour, meal, or milling products and the products thereof. 1,565,375; Dec. 15.

Krone, Johannes, assignor of one-half to E. Sander, Vienna, Austria. Focusing device for photographic cameras. 1,566,217; Dec. 15.

Krumpelmann, William H., St. Paul, Minn. Automobile traffic signal. 1,565,653; Dec. 15.

Kuebner, Charles P., North Providence, R. I. Separable cuff button. 1,566,023; Dec. 15.

Kuykendall, Aleck G., La Mesa, Calif. Heating honey. 1,565,471; Dec. 15.

La Delfa, Philip, Cuylerville, N. Y. Emergency-wheel-supporting device. 1,566,261; Dec. 15.

Laden, James P., Louisville, Ky. Amusement device. 1,565,806; Dec. 15.

Lamb, Leonard S., Seattle, Wash. Heel protector. 1,566,106; Dec. 15.

Lambert, Joshua K., Winnipeg, Manitoba, Canada. Grain-stooking machine. 1,566,144; Dec. 15.

Lancaster, John H. (See Mason, Ralph K., assignor.)

Lander, Frank D., jr., Highland Park, Ill. Hamper. 1,566,262; Dec. 15.

Landon, Horace Z., Newtonville, Mass. Core. 1,566,024; Dec. 15.

Larsen, Charles, Denver, Colo. Well-cleaning process. 1,565,574; Dec. 15.

Larson, Martin, San Francisco, Calif. Loom clamp. 1,566,145; Dec. 15.

Laukhuff, Alfred, Shorewood, Wis. Cutting machine. 1,565,654; Dec. 15.

Lazarus, James, assignor of one-half to H. P. Stewart, Baltimore, Md. Forming candy baskets. 1,566,146; Dec. 15.

Lazarus, Peter L., Wichita, Kans. Display tree. 1,566,025; Dec. 15.

Leach, Elbert C., and E. M. Plett, assignors to Oshkosh Manufacturing Co., Oshkosh, Wis. Street-sweeping mechanism. 1,566,107; Dec. 15.

Leach, Seth H. (See Thompson, Percy, assignor.)

Le Coultre, Frédéric C. F., Marseille, assignor to "Societe D'Etude Des. Agglomérés," Paris, France. Refractory cement with a base of zirconium ore. 1,565,472; Dec. 15.

Lee, William R., Galena, Kans. Ratchet mechanism. 1,565,473; Dec. 15.

Leedy Manufacturing Company. (See Strupe, Cecil H., assignor.)

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Metallic door structure. 1,565,743; Dec. 15.

Lefebvre, Georges E., Joinville-le-Pont, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Metallic bobbin for photographic or like films. 1,565,655; Dec. 15.

Leggott, Fred J., Battle Creek, Mich. Lathe tool. 1,565,656; Dec. 15.

Leinert, Charles H., assignor to Leinert Valve Company, Chicago, Ill. Valve for compressors. 1,566,108; Dec. 15.

Leinert Valve Company. (See Leinert, Charles H., assignor.)

Leipert, August H., College Point, and J. Goldsmith, assignors to International Motor Company, New York, N. Y. Cushion connection for vehicle construction. 1,566,026; Dec. 15.

Leland, John T., Herman, Minn. Dentifrice. 1,566,218; Dec. 15.

Lenz, Charles S., and G. E. Jupp, assignors, by mesne assignments, to American Marine Device Corporation, New York, N. Y. Regulating valve for fluid-pumping apparatus. 1,566,147; Dec. 15.

Lenzie, George W. (See Adrianson, A. L., and Bengtson, assignors.)

Leon, Lewicki J., Chicago, Ill. Birdcage. 1,566,219; Dec. 15.

Lerch, Edward E., et al. (See Hunt, William W., assignor.)

Lerch, John E., et al. (See Hunt, William W., assignor.)

Leslie, Ralph A., South Portland, Me. Sled. 1,565,945; Dec. 15.

Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-mining machine. 1,565,376; Dec. 15.

Levy, Leo E., assignor to Model Brassiere Co. Inc., New York, N. Y. Brassière. 1,565,807; Dec. 15.

Levy, Leo E., assignor to Model Brassiere Company, Inc., New York, N. Y. Maternity garment. 1,565,808; Dec. 15.

Levy, Samuel S., Boston, Mass. Machine for molding concrete blocks. 1,565,575; Dec. 15.

Levy, Samuel S., Boston, Mass. Window shade. 1,565,576; Dec. 15.

Lewis, Charles L. (See Bill, J. A., and Lewis.)

Lewis, David M., Milwaukee, Wis., assignor to Lewis Draft Appliance Company. Method of and apparatus for controlling back pressure and draft in locomotives. 1,565,858; Dec. 15.

Lewis Draft Appliance Company. (See Lewis, David M., assignor.)

Lewis, Fred K., Ashtabula, Ohio. Top for vehicles and the like. 1,565,279; Dec. 15.

Lewis, John M. H., Lynchburg, Va. Headlight. 1,565,946; Dec. 15.

Libbey-Owens Sheet Glass Company, The. (See Blair, James C., assignor.)

Libbey-Owens Sheet Glass Company, The. (See Fowle, Arthur E., assignor.)

Libbey-Owens Sheet Glass Company, The. (See Henderson, John C., assignor.)

Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Road-finishing machine. 1,565,657; Dec. 15.

Liddiard, Hugh W. C. (See Given, R. D., and Liddiard.)

Lieban, Richard, New Haven, Conn., assignor to The Westinghouse Air Spring Company. Air-spring suspension. 1,565,658; Dec. 15.

Lilienfeld, Julius E., Kew Gardens, N. Y. High-vacuum device for influencing currents. 1,565,659; Dec. 15.

Lilly, Gustavus, Indianapolis, Ind. Swivel lamp fixture. 1,566,220; Dec. 15.

Lindemuth, Francis L., Babylon, N. Y., assignor to Niagara Electrolytic Iron Company, Inc. Vacuum-jacketed metallic receptacle. 1,566,221; Dec. 15.

Lindgren, Waldemar L., assignor to A. A. Norton, trustee, Chicago, Ill. Clutch. 1,565,377; Dec. 15.

Lindsey, James O., Parkdale, Ark. Cottonseed chute. 1,566,148; Dec. 15.

Line, John M., Springfield, Mo. Folding bed or cot. 1,566,222; Dec. 15.

Link, Raymond S., Syracuse, N. Y. Anchor for decoys. 1,565,474; Dec. 15.

Lippincott, George A., Philadelphia, Pa. Machine for cutting button blanks. 1,565,475; Dec. 15.

Lipsky, Norman, New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Frame for lamp shades or similar articles. Des. 69,039; Dec. 15.

Liquid Carbonic Company. (See De Stefani, Tully, assignor.)

Litter, Frederick A., Columbus, Ohio, assignor, by mesne assignments, to The Litter Piston Mfg. Company, Charleston, W. Va. Piston and piston ring. 1,565,859; Dec. 15.

Litter Piston Mfg. Co., The. (See Litter, Frederick A., assignor.)

Little, Arlington P. and M. T., Golden, Colo. Method and means for determining the egg production of fowls. 1,565,476; Dec. 15.

Little, Donald G., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum-tube-stabilizing means. 1,565,477; Dec. 15.

Little, Donald G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio-transmitter. 1,565,478; Dec. 15.

Little, Mary L., Long Beach, Calif. Auto hood lamp. 1,565,660; Dec. 15.

Little, Myrtle T. (See Little, Arlington P. and M. T.)

Lockton, Andrew W., sr. (See Halder, Leo C., assignor.)

Locomotive Stoker Company. (See Cotton, Walter H., assignor.)

Lomax, Frank B., Chicago, Ill. Filter. 1,565,661; Dec. 15.

Long, Sherman G., assignor to Metal Barrel Corporation, Peoria, Ill. Steel container. 1,565,378; Dec. 15.



Longatreth, Charles B., Denver, Colo. Portable refrigerator tank. 1,565,744; Dec. 15.

Loomis, Virgil, assignor to United States Glass Company, Pittsburgh, Pa. Dish or similar article. 69,040; Dec. 15.

Lorraine, John, and R. S. Haugh, Medicine Hat, Alberta, Canada. Rotary toothbrush. 1,565,479; Dec. 15.

Lott, Charles I., Norfolk, Va. Roller bearing. 1,565,662; Dec. 15.

Ludlum Steel Company. (See Armstrong, Percy A. E., assignor.)

Lukenbill, Edgar H., Lincoln, Ill. Automobile headlight. 1,565,860; Dec. 15.

Lukens, Alan R. (See Dillehay E. R., and Lukens.)

Lundstrom, John, Evanston, Ill. Holder for plumb rules. 1,565,663; Dec. 15.

Lutton, William J., Paterson, N. J. Power-transmitting mechanism. 1,566,027; Dec. 15.

Lynch, Joseph H., Brooklyn, N. Y. Traffic signal. 1,566,149; Dec. 15.

Mabee, Charles R., Buffalo, N. Y., assignor to Mabee Patents Corporation. Process and apparatus for treating vegetable substances. 1,565,282; Dec. 15.

Mabee, Charles R., Buffalo, N. Y., assignor to Mabee Patents Corporation. Continuous steam milling of vegetable substances. 1,565,283; Dec. 15.

Mabee Patents Corporation. (See Mabee, Charles R., assignor.)

MacGregor, Wallace F., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Straw spreader. 1,565,379; Dec. 15.

Macklin, Justin W., Lakewood, Ohio, assignor to J. D. Comstock, Chester, W. Va. Tire and rim construction. 1,566,028; Dec. 15.

Macklin, Justin W., Lakewood, Ohio, assignor to J. D. Comstock, Chester, W. Va. Tire and rim construction. 1,566,029; Dec. 15.

MacRae, Duncan, East Orange, N. J., assignor to Westinghouse Lamp Company. Introducing getter materials into incandescent lamps. 1,565,579; Dec. 15.

Mallery, Ellis, Los Angeles, Calif. Constructing oil storage. 1,566,110; Dec. 15.

Mallory, Harry C., deceased, New York, N. Y.; S. R. Mallory, administratrix. Cooling system. 1,565,284; Dec. 15.

Mallory, Sue R., administratrix. (See Mallory, Harry C.)

Malmstrom, Carl W. (See Johnson, P. G., and Malmstrom.)

Manhattan-Rome Company, Branch of Rome Metallic Bedstead Co. (See Sisbower, G. F., and Pittoni, assignor.)

Manning, Maxwell & Moore, Inc. (See Crocker, Ernest B., assignor.)

Manning, Maxwell & Moore, Inc. (See Heise, Otto W., assignor.)

Manning, Thomas E. (See Foster, W. B., and Manning.)

Manor, Florian F., assignor to Bartola Musical Instrument Company, Oshkosh, Wis. Musical-instrument elevator. 1,566,223; Dec. 15.

Manton, James S., Chicago, Ill. Stair construction. 1,565,580; Dec. 15.

March, Homer B., assignor, by mesne assignments, to The Automatic Irrigation Company, Muskegon, Mich. Nozzle. 1,565,380; Dec. 15.

Marks, Isidore, Dorchester, assignor to Keystone Mfg. Co., South Boston, Mass. Power-shovel construction. 1,566,030; Dec. 15.

Marks, Isidore, Dorchester, assignor to Keystone Mfg. Co., Boston, Mass. Dump-body truck. 1,566,031; Dec. 15.

Marlin Firearms Corporation, The. (See Rockwell, Hugh M., assignor.)

Marlin Firearms Corporation, The. (See Swebilius, Carl G., assignor.)

Marsh, Samuel L. (See Hess, Arthur, assignor.)

Marshall, Charles S. (See Hampton, A., and Marshall.)

Marshall, George M., Chicago, Ill. Booklet. 1,566,154; Dec. 15.

Martin, Hugh E., Madison, Wis. Screen-door flytrap. 1,566,032; Dec. 15.

Martin, Robert P., assignor of one-fourth to H. Mulligan, forty-seven one-hundredths to D. Mulligan, one-tenth to C. M. Tuck, and three one-hundredths to E. Doran, Seattle, Wash. Windshield rain shield. 1,565,381; Dec. 15.

Mason Box Co., The. (See Rhodes, Russell I., assignor.)

Mason, Ralph K., Bantam, assignor of one-half to J. H. Lancaster, Litchfield, Conn. Motor-starting switch. 1,566,155; Dec. 15.

Mason, Ralph K., Bantam, assignor of one-half to J. H. Lancaster, Litchfield, Conn. Motor-starting switch. 1,566,156; Dec. 15.

Massey, Wesley F., Ballston Spa, N. Y., assignor to General Electric Company. Furnace. 1,566,224; Dec. 15.

Massingham, Henry R., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-twisting mechanism. 1,565,862; Dec. 15.

Masterson, Robert R., Cincinnati, Ohio. Washing-machine motor. 1,565,947; Dec. 15.

Matirko, Louis (See Klepac, J., and Matirko.)

Mathews, Fred. (See Strid, Sven J., assignor.)

Max Ams Machine Company, The. (See Brenzinger, Julius, assignor.)

Mayer, Clarence, assignor to Nature's Rival Co., Chicago, Ill. Fastening device. 1,565,664; Dec. 15.

McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,566,150; Dec. 15.

McClatchie, Stanley, Stuttgart, Germany. Vacuum-cleaner device. 1,565,382; Dec. 15.

McCrery, Harold E., and A. E. Jesser, Philadelphia, assignors to Sanitary Collapsible Barrel Company, Pittsburgh, Pa. Shipping drum. 1,565,809; Dec. 15.

McDonough, James F., assignor to James M. Aird Limited, Montreal, Quebec, Canada. Manufacture of bread and the like. 1,566,151; Dec. 15.

McDonough, John, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing device. 1,565,577; Dec. 15.

McDonough, John, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing fixture. 1,565,578; Dec. 15.

McFarlan, Randall, Cincinnati, Ohio. Valve. 1,565,480; Dec. 15.

McFarlane, Edwin C., Brooklyn, assignor to Special Stamping and Manufacturing Corp., New York, N. Y. Bedpost lock. 1,565,745; Dec. 15.

McFarlane, Walter B., Niagara Falls, Ontario, Canada, assignor of one-fourth to E. Poole, St. Catharines. Honing and stropping device for safety-razor blades. 1,566,152; Dec. 15.

McGovern, Daniel F., Montpelier, Vt. Polishing wheel. 1,565,746; Dec. 15.

McIntire, Erastus W., Price, Utah. Collapsible hack saw. 1,565,861; Dec. 15.

McKay, Donald, Collingwood, Ontario, Canada. Tonsil hemostat. 1,565,481; Dec. 15.

McKee, Ralph H., New York, N. Y., assignor to J. G. Donaldson, Hamilton, Ohio. Producing ferrozirconium. 1,565,280; Dec. 15.

McKeefrey, Elvira C., Brooklyn, assignor to Model Brassiere Co., Inc., New York, N. Y. Garment. 1,566,109; Dec. 15.

McLane, Joseph A., Washington, D. C., assignor to Ultratex Products Company. Weftless tire-forming cord band. 1,565,482; Dec. 15.

McLaren, Archibald, Cleveland Heights, Ohio. Scaffold bracket. 1,565,483; Dec. 15.

McLaughlin, William E. (See Denny, C. W., and McLaughlin.)

McMunn, Charles A., Anaheim, Calif. Cable clamp. 1,566,153; Dec. 15.

McNinch, William T., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Agitator for gyratory mills. 1,565,281; Dec. 15.

McWhirter, Robert B., Newark, Ohio. Exerciser. 1,565,484; Dec. 15.

Mead, Ezra B., assignor to Ottumwa Iron Works, Ottumwa, Iowa. Brake control. 1,565,383; Dec. 15.

Meda, Enez, assignor to Blanck & Co., Inc., New York, N. Y. Embroidered lace. Des. 69,041; Dec. 15.

Meda, Enez, assignor to Blanck & Co., Inc., New York, N. Y. Embroidered lace. Des. 69,042; Dec. 15.

Meda, Enez, New York, N. Y. Lace. Des. 69,043; Dec. 15.

Melaas, Palmer O., Fergus Falls, Minn. Heater for automobiles. 1,565,810; Dec. 15.

Melling, Herman W., Jackson, Mich. Milling machine. 1,565,948; Dec. 15.

Melson, Allen E., Maynard, Ohio. Valve. 1,565,485; Dec. 15.

Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)

Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)

Mergenthaler Linotype Company. (See Morrison, Luther E., assignor.)

Merker, Ellis, Kramer Company. (See Merker, Monte C., assignor.)

Merker, Monte C., assignor to Merker, Ellis, Kramer Company, Reading, Pa. Movable signboard. 1,565,285; Dec. 15.

Merrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Sewing machine. 1,565,665; Dec. 15.

Merrow Machine Company, The. (See Merrow, Joseph M., assignor.)

Metal Barrel Corporation. (See Long, Sherman G., assignor.)

Metropolitan-Columbia Mfg. Co. (See Pilny, Miroslav, assignor.)

Michael, John B. (See Wengel, H. C., and Michael.)

Michaelson, Hilmar, Waukegan, Ill. Rocker attachment. 1,566,157; Dec. 15.

Miller, Charles F., Moore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Side-wall tuyère. 1,565,747; Dec. 15.

Miller, Frederick A., et al. (See Hunt, William W., assignor.)

Miller, Harold R. (See Hallborg, H. E., and Miller.)

Miller, Homer B., Gardiner, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J. Setting blind and invisible eyelets. 1,565,286; Dec. 15.

Miller, John E., Huntington, W. Va. Method of and apparatus for decorating articles of plastic material. 1,566,158; Dec. 15.

Miller, Thomas S., South Orange, N. J. Fluid-pressure-operated device and control therefor. 1,566,111; Dec. 15.

Milligan, Hugh, et al. (See Martin, Robert P., assignor.)

Milling, James H., Dallas, Tex. Stick file. 1,566,159; Dec. 15.

Mills, Emmett L., Jamestown, N. Y. Gauge. 1,566,225; Dec. 15.

Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Fraud-preventing device. 1,566,038; Dec. 15.

Mills, John, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Thermionic meter. 1,566,034; Dec. 15.

Mills Novelty Company. (See Mills, Fred L., assignor.)

Mirrey, James, East Boldon, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric switch gear. 1,565,287; Dec. 15.

Model Brassiere Company. (See Levy, Leo E., assignor.)

Model Brassiere Co. (See McKeefrey, Elvira C., assignor.)

Moline Implement Company. (See Boda, Joseph E., assignor.)

Moline Implement Company. (See Seaholm, John P., assignor.)

Moline Implement Company. (See Swanson, Starley S., assignor.)

Molyneux, George E., Bayonne, assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacturing boots and shoes. 1,565,288; Dec. 15.

Monschke, Luke G., assignor of one-third to H. W. Caldwell and one-third to J. A. Flemister, Dallas, Tex. Serving tray. 1,565,748; Dec. 15.

Montgomery, John. (See Dover, George W., assignor.)

Montgomery, Julian E., Wheeling, W. Va. Conveyer for annealing furnaces. 1,566,160; Dec. 15.

Moody, Benjamin F., Detroit, Mich. Electric connecter. 1,565,486; Dec. 15.

Mooney, Thomas J., assignor to W. P. Chrysler, New York, N. Y. Motor-vehicle registration plate. 1,566,035; Dec. 15.

Moore, Charles R., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone transmitter. 1,565,581; Dec. 15.

Moore, Christian, Akron, Ohio. Crutch pad. 1,565,582; Dec. 15.

Moore Dry Kiln Company. (See Williams, Patrick M., assignor.)

Moore, Frederick H., Chicago, Ill. Etched lithographed plate and making same. 1,565,583; Dec. 15.

Moore, Milton M., and F. F. Baker, Los Angeles, Calif. Moving-picture camera. 1,565,488; Dec. 15.

Moore, Otto, Frankfort, assignor to Trolley Shoe-Wheel Company, Indianapolis, Ind. Sliding trolley. 1,565,487; Dec. 15.

Moore, Ulyssis R., Detroit, Mich. Barber's or dentist's stool. 1,566,161; Dec. 15.

Morkrum-Kleinschmidt Corporation. (See Kleinschmidt, Edward E., assignor.)

Morrell, Joseph C., White Plains, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Motor-vehicle brake. 1,565,489; Dec. 15.

Morrison, Joe W., Akron, Ohio, assignor to Sullivan Machinery Company. Loading apparatus. 1,565,811; Dec. 15.

Morrison, Luther E., New York, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,565,289; Dec. 15.

Morrow, Jerry, Wellston, Ohio. Tipple. 1,565,949; Dec. 15.

Moss, David H., assignor, by mesne assignments, to Brandes Laboratories, Inc., Newark, N. J. Making supports for sound reproducers. 1,566,162; Dec. 15.

Mossor, Homer A., Stoffel, W. Va., assignor to South Penn Oil Company, Pittsburgh, Pa. Recovery of gasoline from natural gas. 1,565,749; Dec. 15.

Morton Manufacturing Company. (See Schroyer, Harry H., assignor.)

Motor Player Corporation. (See Hanson, Clinton H., assignor.)

Motor Products Corporation. (See Parsons, Carl B., assignor.)

Muguet, Antoine, Ile St.-Denis, France. Apparatus for applying curative treatment with a radioactive substance. 1,565,490; Dec. 15.

Muhleisen, Henry W., Los Angeles, Calif. Commutator brush. 1,565,666; Dec. 15.

Mulligan, Daniel, et al. (See Martin, Robert P., assignor.)

Mulvihill, Charles F., New York, N. Y. Electric lamp. Des. 69,044; Dec. 15.

Murray, Robert J., assignor to Francis A. Bruner, Inc., Philadelphia, Pa. Valance for window draperies. Des. 69,045; Dec. 15.

Murphy, James T., assignor of one-half to J. L. Carey, Chicago, Ill. Shower pipe. 1,565,863; Dec. 15.

Myers, Carmon A., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-vulcanizing apparatus. 1,566,251; Dec. 15.

Naamlooze Vennootschap Noury & Vander Landis Handelmaatschappij. (See Kroeber, Thilo, assignor.)

Nachtsheim, Peter S., St. Paul, Minn. Ash sifter. 1,566,036; Dec. 15.

Nathanson, Samuel, Roxbury, Mass. Toothbrush. 1,565,750; Dec. 15.

National Biscuit Company. (See Davidson, Bruce J., assignor.)

National Brake & Electric Company. (See Aikman, Burton S., assignor.)

National Brake & Electric Company. (See Berkeley, Laurence J., assignor.)

National Pneumatic Company. (See Rowntree, Harold, assignor.)

National Sash and Door Company, The. (See Smith, C. A., and Hillyard, assignors.)

National Sash and Door Company. (See Smith, Charles A., assignor.)

Nature's Rival Co. (See Mayer, Clarence, assignor.)

Neidig, William N., Toledo, Ohio. Article-transfer means. 1,565,584; Dec. 15.

Neihart, Daniel, Martins Ferry, Ohio. Sheet-feeding device. 1,566,163; Dec. 15.

Nelles, Russell E., assignor to Reading Chain and Block Corporation, Reading, Pa. Monorail-track suspension. 1,566,037; Dec. 15.

Nelson, Charles A., assignor to Savage Arms Corporation, Utica, N. Y. Firearm. 1,565,384; Dec. 15.

Nelson, Emanuel, and A. A. Bassett, Glendale, Calif. Dust cap. 1,565,667; Dec. 15.

Nelson, John, Newton, Iowa, assignor to Automatic Electric Washer Co. Oscillating washing machine. 1,565,585; Dec. 15.

Nelson, Thomas F., Tacoma, Wash. Burglar protection for safe doors. 1,565,751; Dec. 15.

Nester, L. G., Company. (See Borneman, George, assignor.)

Newell, Leland B., et al. (See Sandberg, Eugene S., assignor.)

Niagara Electrolytic Iron Company. (See Lindemuth, Francis L., assignor.)

Nichols, Eugene M., Philadelphia, Pa. Scraping machine. 1,565,752; Dec. 15.

Nicholls, Moses, Libertyville, Ill., assignor of one-half to M. J. Wolcott, Exeland, Wis. Hammer. 1,565,668; Dec. 15.

Niece, Fred G., assignor to The International Holding Company, Cleveland, Ohio. Cracking hydrocarbons. 1,565,326; Dec. 15.

Niece, Fred G., assignor to The International Holding Company, Cleveland, Ohio. Apparatus for cracking hydrocarbons. 1,565,327; Dec. 15.

Nix, George J. (See Fairchild, M. M., and Nix.)

Noble & Wood Machine Co., The. (See Werner, Walter, assignor.)

Noël, Barney, Windsor, Ontario, Canada. Heel attachment. 1,565,290; Dec. 15.

Norton, Alfred A., trustee. (See Lindgren, Waldemar L., assignor.)

Norton, Herbert P., Pierpont, Ohio. Generator-commutator cleaner. 1,566,164; Dec. 15.

Norwood, Harry Y., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer stand. Des. 69,046; Dec. 15.

Noyes, Mayhew E., Marion, Ohio. Nut-castellating machine. 1,565,586; Dec. 15.

Nunn, Frank G. (See Komarcsevits, G., and Nunn.)

Nunney, James H., Headland, Ala. Forming and shaping machine. 1,566,112; Dec. 15.

Nyquist, Harry, Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company. Volume control of transmission. 1,565,491; Dec. 15.

Obrecht, Louis, Ashland, Mass. Spring attachment. 1,565,385; Dec. 15.

O'Brien, Charles B., et al. (See Burnett, Charles E., assignor.)

O'Brien, William G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making articles from Rubberized-Fiber Composition. 1,566,165; Dec. 15.

Oehme, Hermann, Kalk, near Cologne, assignor to Chemische Fabrik Kalk Ges. mit beschränkter Haftung, Cologne-on-the-Rhine, Germany. Vulcanization of caoutchouc. 1,565,812; Dec. 15.

Ogle, Elmer L., assignor to Federal Electric Company, Chicago, Ill. Fuse. 1,565,753; Dec. 15.

Ohl, Clyde A., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake device. 1,565,492; Dec. 15.

Ohmer Fare Register Company. (See Orth, W. G., and Darst, assignors.)

Ohmer Fare Register Company. (See Orth, William G., assignor.)

Oishei, John R., Buffalo, and E. C. Horton, Hamburg, N. Y.; said Horton assignor to said Oishei. Fluid-pressure motor. 1,565,493; Dec. 15.

O'Reilly, Harry E., Chicago, Ill. Amusement device. 1,565,669; Dec. 15.

Orth, William G., assignor to Ohmer Fare Register Company, Dayton, Ohio. Winding key. 1,565,754; Dec. 15.

Orth, William G., and G. H. Darst, assignors to Ohmer Fare Register Company, Dayton, Ohio. Indicating device for taximeters and the like. 1,566,038; Dec. 15.

Oshkosh Manufacturing Co. (See Leach, E. C., and Plett, assignors.)

Ostberg, Anders J., East St. Kilda, near Melbourne, Victoria, Australia. Pneumatic resilient tube, a plastic composition combined therewith, and process of manufacture. 1,565,813; Dec. 15.

Otteson, Henry C., St. Paul, Minn. Grain shocker. 1,566,039; Dec. 15.

Ottumwa Iron Works. (See Mead, Ezra B., assignor.)

Owens, Dabney P., Lake Worth, Fla. Dual wheel. 1,566,226; Dec. 15.





Paganini, Valentine, Roundup, Mont. Nail-uprighting device. 1,565,386; Dec. 15.

Paper Converting Machine Company. (See Christman, P. J., jr., and De Loye, assignors.)

Parsons, Carl B., assignor to Motor Products Corporation, Detroit, Mich. Bumper. 1,565,587; Dec. 15.

Parsons, George H., assignor to Averill Mfg. Co., New York, N. Y. Automatic wake-up doll. 1,566,166; Dec. 15.

Partridge, Edwin M., Lansing, and E. W. Scarritt, Oak Park, Ill. Producing chlorine. 1,566,040; Dec. 15.

Pasqué, Ernest H., and A. B. Walker, Detroit, Mich. Surface contact for electric resistance thermometers. 1,565,387; Dec. 15.

Pathe Cinema Anciens Etablissements Pathe Freres. (See Lefebvre, Georges E., assignor.)

Patterson, Ian D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for drying sheet material. 1,565,494; Dec. 15.

Patterson, Wilbur C. (See Hendricks, R. T., and Patterson.)

Paullin, James W., Red Oak, Iowa. Show case. 1,565,388; Dec. 15.

Pavia, Hector, Allentown, Pa. Shuttle. 1,566,113; Dec. 15.

Peacock, William, assignor to Woolworth Chemical Company, Lititz, Pa. Container for table silver. 1,565,389; Dec. 15.

Pearch, Lovell E., South Bend, Ind. Mirror. 1,565,291; Dec. 15.

Pepper, Anthony, Paterson, N. J. Weighting silks. 1,565,390; Dec. 15.

Perkins, David, assignor to Geo. E. Keith Company, Brockton, Mass. Exhibition shoe. 1,566,114; Dec. 15.

Perry, Donald B. (See Vernam, G. S., and Perry.)

Perry, Nelson L., Chicago, Ill. Laundry machine. 1,565,950; Dec. 15.

Peters, William G., assignor to C. A. Bergsten, Peoria, and B. E. Bramble, Chicago, Ill. Accounting system. 1,565,951; Dec. 15.

Petersen, Peter F., and W. W. Kathan, assignors of one-third to F. S. Brooks, Tulsa, Okla. Automobile license holder. 1,566,167; Dec. 15.

Petroleum Rectifying Company of California. (See Eddy, Harold C., assignor.)

Petroleum Rectifying Company of California. (See Girvin, Charles W., assignor.)

Pfeil, Carl W., Greenbank, Wash. Process by which aluminum metal and its alloys may be applied to ferrous metal. 1,565,495; Dec. 15.

Pfeil, Carl W., Greenbank, Wash. Making and combining corrode-resisting metals. 1,565,496; Dec. 15.

Phillips, Alva M., Byesville, Ohio. Ice-cream-cone server. 1,565,952; Dec. 15.

Philp, Floyd, Lompoc, Calif. Draftsman's pounce block. 1,565,670; Dec. 15.

Pickwick Corporation, The. (See Prentiss, Ellsworth L., assignor.)

Pierce, Raymond T., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Instrument structure. 1,565,391; Dec. 15.

Pilny, Miroslav, Astoria, N. Y., assignor to Metropolitan-Columbia Mfg. Co. Inc. Chandelier. Des. 69,047; Dec. 15.

Pilny, Miroslav, Astoria, N. Y., assignor to Metropolitan-Columbia Mfg. Co. Inc. Lighting-fixture part. Des. 69,048; Dec. 15.

Pilny, Miroslav, Astoria, N. Y., assignor to Metropolitan-Columbia Mfg. Co. Inc. Lighting-fixture part. Des. 69,049; Dec. 15.

Pilny, Miroslav, Astoria, N. Y., assignor to Metropolitan-Columbia Mfg. Co. Inc. Canopy for lighting fixtures. Des. 69,050; Dec. 15.

Pilny, Miroslav, Astoria, N. Y., assignor to Metropolitan-Columbia Mfg. Co. Inc. Arm for lighting fixtures. Des. 69,051; Dec. 15.

Pironneau, Emmanuel L. F. M. (See Fleischel, M. C. L. G., and Pironneau.)

Pittoni, Louis E. (See Sisbower, G. F., and Pittoni.)

Pittsburgh Meter Company. (See Chrisman, Horace, assignor.)

Pittsburgh Plate Glass Company. (See Slingluff, Harry G., assignor.)

Plamondon, Joseph P., St. Roch, Quebec, Canada. Music-leaf turner. 1,565,814; Dec. 15.

Pleasant, John W., Valley Junction, Iowa. Coil spreader. 1,566,227; Dec. 15.

Pletscher, Otto, jr. (See Hickel, W., and Pletscher.)

Plett, Edgar M. (See Leach, E. C., and Plett.)

Ploss, Frederick W., Philadelphia, Pa. Closure fastener 1,566,115; Dec. 15.

Plymouth Gypsum Company. (See Brockenbrough, Hugh B., assignor.)

Ponsolle, Jean, and M. Vergnou, New York, N. Y. Glider aeroplane. 1,565,953; Dec. 15.

Poole, Edwin. (See McFarlane, Walter B., assignor.)

Porter, Charles F., deceased, New York, N. Y.; S. H. Porter, executrix, assignor to S. H. Crawford, Chicago, Ill. Hair-dressing device. 1,565,588; Dec. 15.

Porter, Sarah H., executrix. (See Porter, Charles F.)

Postal, Adolph, Chicago, Ill. Door-fastener attachment for locks. 1,565,292; Dec. 15.

Poulsen, Elier, Chicago, Ill. Awning. 1,566,116; Dec. 15.

Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system. 1,565,954; Dec. 15.

Power Specialty Company. (See Bell, John E., assignor.)

Powers, Lawrence B., Fulton, S. Dak. Snap hook. 1,565,392; Dec. 15.

Pratt Read Player Action Company, The. (See Fisher, Stanley L., assignor.)

Pratt, William E. (See White, John M., assignor.)

Prentiss, Ellsworth L., assignor to The Pickwick Corporation, Los Angeles, Calif. Dual wheel for vehicles. 1,565,393; Dec. 15.

Press, Elizabeth A. D., White Plains, assignor to Blanck & Co., Inc., New York, N. Y. Embroidered lace. Des. 69,052; Dec. 15.

Press, Elizabeth A. D., White Plains, assignor to Blanck & Co., Inc., New York, N. Y. Embroidered lace. Des. 69,053; Dec. 15.

Press, Elizabeth A. D., White Plains, assignor to Blanck & Co., Inc., New York, N. Y. Embroidered lace. Des. 69,054; Dec. 15.

Prewett Addograf and System Company. (See Prewett, Clay W., assignor.)

Prewett, Clay W., assignor to Prewett Addograf and System Company, Los Angeles, Calif. Casing for a calculating machine. Des. 69,055; Dec. 15.

Priebe, Herman C., Blue Island, Ill. Draft gear. 1,565,955; Dec. 15.

Prindle, Frank P., and R. H. Boardman, assignors to The Stanley Works, New Britain, Conn. Automobile steering connection. 1,565,956; Dec. 15.

Prisk, John N., Johnstown, Pa. Toy hand car. 1,565,957; Dec. 15.

Putt, Earl B., assignor of one-third to H. Theaman and one-third to M. Bluhm, New York, N. Y. Converting vegetable fiber to pulverized form. 1,565,864; Dec. 15.

Pyle-National Company, The. (See Dake, Charles W., assignor.)

Quaker City Iron Works. (See Jensen, James A., assignor.)

Quaker Manufacturing Company. (See Hunt, Thomas E., assignor.)

Radio Corporation of America. (See Eaton, William A., assignor.)

Rafiner, Augustus, Kansas City, Mo. Beveling and squaring tool. 1,565,394; Dec. 15.

Ragona, Vincent, assignor to Cary Manufacturing Co., Brooklyn, N. Y. Package-binding implement. 1,565,865; Dec. 15.

Ramage, William H., Girard, Ohio. Treating ingot molds. 1,565,755; Dec. 15.

Randolph, Agnes P. (See Randolph, Harry F., assignor.)

Randolph, Agnes P., executrix. (See Randolph, Harry F.)

Randolph, Harry F., deceased; A. P. Randolph, executrix, assignor to A. P. Randolph, Pittsburgh, Pa. Well pumping mechanism. 1,566,264; Dec. 15.

Rankin, Alexander C., Greeneville, Tenn. Antiskid device. 1,565,497; Dec. 15.

Rardain, Herman W., Granville, Ohio. Track fastener. 1,566,117; Dec. 15.

Rasmussen, Chester A. (See Trout, W. A., and Butler, assignors.)

Rasmussen, Chester A., et al. (See Trout, William A., assignor.)

Rathmell, John B., Chattanooga, Tenn. Portable fire basket. 1,566,168; Dec. 15.

Rawling, Francis G., Madison, Wis., dedicated, by mesne assignments, to the citizens of the United States of America. Prevention of corrosion in steel digesters. 1,566,118; Dec. 15.

Ray, Arthur B., Flushing, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Porous mass and preparing the same. 1,565,328; Dec. 15.

Raymond Bros. Engineering Co. (See Bergman, Lars H., assignor.)

Read, Ernest K., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Interlocking device. 1,565,498; Dec. 15.

Reading Chain and Block Corporation. (See Nelles, Russell E., assignor.)

Reber, Emil. (See Haas, L., and Reber.)

Reddig, Charles E., Kew Gardens, assignor to Western Electric Company, Incorporated, New York, N. Y. Sewing-machine container. 1,565,395; Dec. 15.

Reed, Isaac M., Bastrop, La. Light deflector. 1,566,119; Dec. 15.

Reeder, Charles H., St. Louis, Mo. Web-forming attachment for foundry patterns and the like. 1,565,671; Dec. 15.

Reeder, John F., Shelbyville, Ill. Bank protector. 1,566,120; Dec. 15.

Regal, Herman R., Chicago, Ill. Speed changing and controlling mechanism for motor vehicles or the like. 1,565,396; Dec. 15.

Reichmann, Frank J., Chicago, Ill. Telephonic receiver or transmitter. 1,565,589; Dec. 15.

Reid, Thomas A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Safety switch for electric irons. 1,565,499; Dec. 15.

Reifsnyder, James D. (See Bergman, S., and Reifsnyder.)

Remington Typewriter Company. (See Hart, Frederick A., assignor.)

Renck, Heinrich, Hamburg, Germany. Production of celluloid printing plates for use in the bichromate printing process. 1,565,815; Dec. 15.

Reno, Leo, Flint, Mich. Crank-shaft polisher. 1,565,958; Dec. 15.

Replogle, Daniel B., Berkeley, Calif. Pneumatic cleaner. Re16,224; Dec. 15.

Requa, Richard S., assignor to Union Trust Company of San Diego, San Diego, Calif. Hollow tile. 1,565,959; Dec. 15.

Resek, Marc. (See Chadwick, L. S., and Resek.)

Reyyrolle, A., & Company Limited. (See Mirrey, James, assignor.)

Rhodes, Russell I., assignor to The Mason Box Co., Attleboro Falls, Mass. Display device. 1,565,672; Dec. 15.

Richardson Company, The. (See Dillehay, E. R., and Lukens, assignors.)

Richardson, Oscar E., assignor to The Risdon Manufacturing Company, Naugatuck, Conn. Safety and like pin. 1,565,397; Dec. 15.

Rick, Chester, Philadelphia, Pa. Faucet. 1,565,673; Dec. 15.

Ridge Tool Company, The. (See Thewes, William O., assignor.)

Rietzke, Adolph A., Valley Park, Mo., assignor of one-half to H. Cornelsen, Texhoma, Okla. Steering device. Re16,228; Dec. 15.

Risdon Manufacturing Company, The. (See Richardson, Oscar E., assignor.)

Ritchie, George D., Madison, W. Va. Cheese cutter. 1,565,816; Dec. 15.

Ritter, Edward, New York, N. Y. Electric vaporizer. 1,565,500; Dec. 15.

Ritter, Paul A. (See Takata, K., and Ritter.)

Ritterrath, Max J., Hollywood, Calif. Method of and apparatus for projecting cool light. 1,565,590; Dec. 15.

Robb, David W., Amherst, Nova Scotia, Canada. Coal carburetor. 1,565,674; Dec. 15.

Roberson, Frank, Gary, Ind., assignor to General Electric Company. Circuit-controlling device. 1,566,122; Dec. 15.

Roberts, Arthur N., Chicago, Ill. Water heater. 1,566,121; Dec. 15.

Robinson, Frank H., jr., Brea, Calif. Paper clip. 1,565,501; Dec. 15.

Robinson, George M., Denver, Colo. Kettle drum. 1,565,329; Dec. 15.

Robinson, Milton E. (See Kochendorfer, F. S., and Robinson.)

Robitaille, Arthur, Putnam, Conn. Automatic controlled liquid-fuel burner mechanism. 1,566,123; Dec. 15.

Rockwell, Hugh M., Bristol, assignor, by mesne assignments, to The Marlin Firearms Corporation, New Haven, Conn. Automatic gun. 1,565,756; Dec. 15.

Rodler, Fred, Cincinnati, Ohio. Penetrometer. 1,565,502; Dec. 15.

Rogers, Robert H., Alplaus, N. Y., assignor to General Electric Company. Examining rapidly-moving objects. 1,566,124; Dec. 15.

Rogers, Winfield S., assignor to The Bantam Ball Bearing Company, Bantam, Conn. Ball bearing. 1,565,830; Dec. 15.

Romanowski, Frank, Detroit, Mich. Vehicle signal. 1,565,598; Dec. 15.

Root, Edgar L., Defiance, Ohio. Machine for setting and filing saws. 1,565,675; Dec. 15.

Rose, Charles B., East Moline, Ill. Clutch. 1,565,808; Dec. 15.

Rose, Claude C. (See Stone, J. S., and Rose.)

Rose, Lawrence J., St. Louis, Mo. Device for feeding nonslip materials to brake linings. 1,565,961; Dec. 15.

Rosenberg, Heyman, New York, N. Y. Sheet-metal-seaming tool. 1,566,125; Dec. 15.

Rosenstein, Ludwig, and C. T. Henderson, San Francisco; said Rosenstein, assignor to said Henderson, San Mateo County, Calif. Wood preservation. 1,565,503; Dec. 15.

Ross, Reuben F., Olive Hill, Ky. Brickmaking means. 1,566,126; Dec. 15.

Rosskowski, Adolf, New York, N. Y., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Compressor. Re16,230; Dec. 15.

Rouse, H. B., & Company. (See Knoll, William J., assignor.)

Rowntree, Harold, Pass Christian, Miss., assignor to National Pneumatic Company, New York, N. Y. Unit-door-control mechanism. 1,565,399; Dec. 15.

Royle, Vernon, Paterson, N. J. Registering and squaring machine. 1,565,962; Dec. 15.

Reynolds, Frank A., assignor to Reynolds Manufacturing Corporation, Geneva, N. Y. Apple coring and paring machine. 1,565,960; Dec. 15.

Reynolds Manufacturing Corporation. (See Reynolds, Frank A., assignor.)

Rubber Development Company. (See Freedlander, A. L., and Goodwin, assignors.)

Rudd, Harold H., Edgewood, and A. P. Bender, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Measuring device. 1,565,504; Dec. 15.

Rugeley, Edward W. (See Bindschedler, E., and Rugeley.)

Rugh, Harry O., assignor of one-half to R. C. Hawe, Chicago, Ill. Current-supply system. 1,565,963; Dec. 15.

Rundquist, William, Elgin, Ill. Glass lens and treating the same. 1,566,127; Dec. 15.

Ryan, Francis M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radiotransmitter. 1,565,505; Dec. 15.

Ryan, John F., Woodbridge, N. J. Wall construction. 1,566,228; Dec. 15.

Rybeck, Adolph W., assignor to The T. L. Smith Company, Milwaukee, Wis. Draft mechanism. 1,565,400; Dec. 15.

Safety Car Heating & Lighting Company, The. (See Conwell, Walter L., assignor.)

Samuels, Lesser, New York, N. Y. Separable button. 1,565,506; Dec. 15.

Sandberg, Eugene S., Indianapolis, Ind. Telegraph system. 1,565,507; Dec. 15.

Sandberg, Eugene S., assignor of fifteen per cent to H. O. S. Sandberg, Harrisburg, Pa., and ten per cent to L. B. Newell, Springfield, Ill. Duplex method of and apparatus for sending telegraphic messages. 1,565,508; Dec. 15.

Sandberg, H. O. S., et al. (See Sandberg, Eugene S., assignor.)

Sander, Ernst. (See Krone, Johannes, assignor.)

Sandman, Harry H., Havana, Ill. Colter attachment. 1,565,676; Dec. 15.

Sanitary Collapsible Barrel Company. (See McCrery, H. E., and Jesser, assignors.)

Sankey, David H., and H. Brooks, Pittsburgh, Pa. Dispensing device. 1,566,169; Dec. 15.

Saranac Automatic Machine Corporation. (See Craig, Edward, assignor.)

Sartory, Peter, Bayswater, London, England. Means for and process of curling and waving hair. 1,565,509; Dec. 15.

Sartory, Peter, Bayswater, London, England. Exothermic heater. 1,565,510; Dec. 15.

Sartory, Peter, Bayswater, London, England. Steaming tube. 1,565,511; Dec. 15.

Sauer, George, assignor, by mesne assignments, to Automobile Equipment Manufacturing Corporation, Chicago, Ill. Automobile bumper. 1,565,592; Dec. 15.

Saunders, Malcolm B., assignor to The Iron Works Limited, Owen Sound, Ontario, Canada. Pump. 1,565,819; Dec. 15.

Saunders, Malcolm B., assignor to The Iron Works Limited, Owen Sound, Ontario, Canada. Transmission of power. 1,565,820; Dec. 15.

Sausen, Bert H., Oak Park, Ill., assignor to Binks Spray Equipment Co. Spray tower. 1,565,593; Dec. 15.

Savage Arms Corporation. (See Nelson, Charles A., assignor.)

Savy, Robert, Paris, France. Emptying device for melangeurs. 1,565,331; Dec. 15.

Saylor, George C., et al. (See Burnett, Charles E., assignor.)

Scanlan, George H., deceased, New York, N. Y.; M. G. Scanlan, administratrix. Tractor-operated cultivator. 1,566,229; Dec. 15.

Scanlan, George H., deceased, New York, N. Y.; M. G. Scanlan, administratrix. Tractor. 1,566,230; Dec. 15.

Scanlan, Mary G., administratrix. (See Scanlan, George H.)

Scarritt, Elwood W. (See Partridge, E. M., and Scarritt.)

Schaeren, Ernst, Winterthur, Switzerland, assignor to W. Heinecke, New York, N. Y. Pump construction for hydraulic transmission gears. 1,565,401; Dec. 15.

Schaus, Irving P., Milwaukee, Wis. Folding box. 1,566,041; Dec. 15.

Scheding, Eugen. (See Kaufman, Paul, assignor.)

Schell, Blanche, Brooklyn, N. Y. Doll. Des. 69,056; Dec. 8.

Schimmel, Paul, New York, N. Y. Velocipede. 1,565,817; Dec. 8.

Schimpf, Theodore B., Scranton, Pa. Drop counter. 1,565,332; Dec. 15.

Schlaegel, Daniel H., Compton Township, Ottertail County, Minn. Attachment for potato diggers. 1,566,231; Dec. 15.

Schlesinger, Louis, and H. E. Heine, assignors to Bradley Washfountain Company, Milwaukee, Wis. Overhead-supply washfountain. 1,565,677; Dec. 15.

Schmid, William, Coldwater, Mich. Fishing reel. 1,565,402; Dec. 15.

Schmidt, Frank A., Los Angeles, Calif. Safety tread. 1,566,042; Dec. 15.

Schramm, Albert O., assignor to Schramm Manufacturing Company, St. Louis, Mo. Apparatus for stretching and drying laundered articles. 1,565,512; Dec. 15.

Schramm, Albert O., assignor to Schramm Manufacturing Company, St. Louis, Mo. Apparatus for stretching and drying laundered articles. 1,565,513; Dec. 15.

Schramm Manufacturing Company. (See Schramm, Albert O., assignor.)

Schreiter, Thiele B., San Bernardino, Calif. Nozzle jack. 1,566,232; Dec. 15.

Schroeder, Rudolph W., Chicago, Ill. Flow meter. 1,565,866; Dec. 15.

Schroyer, Harry H., assignor to Morton Manufacturing Company, Chicago, Ill. Car-vestibule diaphragm. 1,565,293; Dec. 15.





Schulke, Henry A., Cleveland, Ohio. Game or puzzle. 1,565,403; Dec. 15.

Schultz, Edward, assignor to W. H. Jenkins, Chicago, Ill. Vending-machine casing. Des. 69,057; Dec. 15.

Schulz, Karl, Konigsberg, assignor to Union Giesserei, Contienen, near Konigsberg, Prussia, Germany. Piston valve. 1,565,964; Dec. 15.

Schumacher Amanda J., Columbus, Ohio. Headrest. 1,565,514; Dec. 15.

Solomon, Morris B., Brooklyn, N. Y. Tray structure. 1,566,047; Dec. 15.

Seabolt, Frank J., Schenectady, N. Y., assignor to Service Clock Company. Electric clock. 1,565,333; Dec. 15.

Seabolt, Frank J., Schenectady, N. Y., assignor to Service Clock Company, Inc. Electric clock setting means. 1,565,334; Dec. 15.

Seaholm, John P., Moline, Ill., assignor, by mesne assignments, to Moline Implement Company. Cultivator. 1,565,594; Dec. 15.

Seisel, Emil F., Norwood, Mass. Water heater. 1,565,965; Dec. 15.

Semple, Charles E., jr., Youngstown, Ohio. Reproducer for lateral-cut records. 1,565,335; Dec. 15.

Sen, Ernest K., et al. (See Jones, Harry H., assignor.)

Separk, Annie G. (See Separk, Willis D., assignor.)

Separk, Willis D., assignor to A. G. Separk, Durham, N. C. Flue base and hanger. 1,566,233; Dec. 15.

Service Clock Company. (See Seabolt, Frank J., assignor.)

Seufert, Friedrich, Munich, Germany, assignor to H. Seufert. Film-feeding mechanism for cinematographs. 1,565,336; Dec. 15.

Seufert, Hermann. (See Seufert, Friedrich, assignor.)

Seyer, Joseph, Hawthorne, assignor to Standard Silk Dyeing Co., Paterson, N. J. Washable black silk piece goods and dyeing them. 1,565,515; Dec. 15.

Seyer, Joseph, Hawthorne, N. J., assignor to Standard Silk Dyeing Co. Dyeing silk. 1,565,516; Dec. 15.

Severson, Elmer, Deerfield, Wis. Locking chain snap. 1,565,678; Dec. 15.

Seward, Frank A., Bantam, Conn. Hot-tin lifter. 1,566,234; Dec. 15.

Shaffer, Larkin R., Garland, Utah. Switch-stand lock. 1,565,679; Dec. 15.

Shapiro & Aronson, Inc. (See Klein, Max, assignor.)

Sheehan, John H., Astoria, N. Y. Tourniquet. 1,566,235; Dec. 15.

Shipp, Clarence C., Indianapolis, Ind. Housing construction for steam radiators. 1,565,294; Dec. 15.

Shipp, Clarence C., Indianapolis, Ind. Iron stand. 1,565,295; Dec. 15.

Shirey, William H. (See Dodson, H. S., and Shirey.)

Sievers, Otto. (See Benda, L., and Sievers.)

Silverstein, Oscar. (See Van Valkenberg, Eber H., assignor.)

Silverwood, Wesley L., Baltimore, Md. Safety razor. 1,565,680; Dec. 15.

Simmen, Paul J., Eden, N. Y. Train-control system. 1,565,296; Dec. 15.

Simmons, Edward N., Chicago, Ill. Pressing-iron support. 1,566,048; Dec. 15.

Simplex Air Brake Company. (See Westbrook, Charles R., assignor.)

Simpson, George N., Chicago, Ill. Car dumper. 1,565,966; Dec. 15.

Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)

Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)

Sipe, Bruce E., Kansas City, Mo. Clothes wringer. 1,565,967; Dec. 15.

Sirois, Louis R., Portland, Me. Even-feed grease reservoir. 1,565,518; Dec. 15.

Sisbower, George E., Flushing, and L. E. Pittoni, New York, assignors to Manhattan-Rome Company, Branch of Rome Metallic Bedstead Co., Long Island City, N. Y. Couch hammock. 1,566,044; Dec. 15.

Sizaire, Maurice, assignor to Societe des Automobiles Sizaire, Courbevoie, France. Brake for motor vehicles. 1,565,517; Dec. 15.

Skeppstedt, Olof, Moline, Ill. Core-making machine. 1,566,045; Dec. 15.

Sleight, Roland E., Philadelphia, Pa. Color-matching device. 1,566,046; Dec. 15.

Slauson, Louis E., Rock Island, Ill. Traction wheel. 1,565,757; Dec. 15.

Slingluff, Harry G., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Apparatus for drawing sheet glass. 1,565,821; Dec. 15.

Slip-On Cigar Lighter Company. (See Bara, C., and Aderente, assignors.)

Skurdal, Ansoph, Belmont, Mont. Hinge. 1,566,236; Dec. 15.

Smith, Byron G., Aville, Ind. Antirattler. 1,565,822; Dec. 15.

Smith, Charles A., assignor to National Sash and Door Company, Independence, Kans. Method of and apparatus for handling cave glass in drawing operations. 1,566,252; Dec. 15.

Smith, Charles A., and H. L. Hillyard, assignors to The National Sash and Door Company, Independence, Kans. Capping horse. 1,566,253; Dec. 15.

Smith, Herbert W. (See Hawker, J. R. S., Hayes, and Smith.)

Smith, Isaac C. V. (See Hawker, J. R. S., Hayes, and Smith.)

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,565,867; Dec. 15.

Smith, Kristian H., Copenhagen, Denmark. Arrangement on talking apparatus for the reception and reproduction of records. 1,565,968; Dec. 15.

Smith, Ralph V. (See Hawker, J. R. S., Hayes, and Smith.)

Smith, Roy M., et al. (See Smyser, Elmer D., assignor.)

Smith, T. L. Company, The. (See Rybeck, Adolph W., assignor.)

Smyser, Elmer D., assignor of one-third to R. M. Smith and one-third to P. E. Williams, Fellows, Calif. Tubing bleeder. 1,565,518; Dec. 15.

Snelling, Walter O., Allentown, Pa. Current-rectifying device. 1,565,595; Dec. 15.

Snider, Adolph G., Brooklyn, N. Y. Display device. 1,565,758; Dec. 15.

Snook, Homer C., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signal system. 1,565,596; Dec. 15.

Societe Anonyme des Cristalleries Du Val St. Lambert. (See Cruvellher, Louis, assignor.)

Société Anonyme dite: Matériel et Accessoires d'Aviation. (See Carmier, Pierre R. L. A., assignor.)

Societe de Chimie et a Catalyse Industrielle Siege Social. (See Blanchet, Leonce, assignor.)

Societe des Automobiles Sizaire. (See Sizaire, Maurice, assignor.)

"Société D'Etude des Agglomeres." (See Le Coultre, Frédéric C. F., assignor.)

Société Les Petits Fils De Francois De Wendel & Cie. (See Weber, Guillaume, assignor.)

Society of Chemical Industry in Basle. (See Haas, L., and Reber, assignors.)

Sonderby, Kristen, Rockford, Ill. Well casing. 1,565,681; Dec. 15.

Soule, Clyde W. (See Soule, George W. and C. W.)

Soule, Clyde W., et al., executors. (See Soule, George W. and C. W.)

Soule, Constance G., et al., executors. (See Soule, George W. and C. W.)

Soule, George W., deceased, by C. G. Soule and C. W. Soule, executors, and C. W. Soule, Meridian, Miss., assignors to Soule Steam Feed Works. Steam engine. 1,566,170; Dec. 15.

Soule Steam Feed Works. (See Soule, George W., and C. W., assignors.)

South Penn Oil Company. (See Mossor, Homer A., assignor.)

Spalding, Albe C., Fort Monroe, Va. Closure device. 1,566,237; Dec. 15.

Special Stamping and Manufacturing Corporation. (See McFarlane, Edwin C., assignor.)

Spiesbach, Edward J., East St. Louis, Ill. Door. 1,565,597; Dec. 15.

Spiro, Harry, San Francisco, Calif. Cooling device for X-ray tubes. 1,565,969; Dec. 15.

Spooner, Thomas, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Apparatus for magnetic spring testing. 1,565,519; Dec. 15.

Spreen, Charles C., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Drive unit. 1,566,254; Dec. 15.

Spreen, Charles C., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 1,566,255; Dec. 15.

Sprenkle, Mark, Bridgeton, N. J. Bevel square. 1,565,759; Dec. 15.

Sproesser, William C., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Control of the softening temperature of vitreous material. 1,565,598; Dec. 15.

Spurr, William J., Leonia, N. J. Scaffold horse. 1,566,171; Dec. 15.

Staats-Oels, Rudolph C. G., Brooklyn, N. Y. Luggage guard. 1,566,048; Dec. 15.

Staley, Darwin, Memphis, Tenn. Optical instrument. 1,565,823; Dec. 15.

Standard Cap & Seal Corporation. (See Tevander, Olof N., assignor.)

Standard Oil Company. (See Hanna, R. W., Cushman, and Doell, assignors.)

Standard Pyroxoloid Corporation. (See Farrell, George R., assignor.)

Standard Silk Dyeing Co. (See Seyer, Joseph, assignor.)

Stanley Works, The. (See Prindle, F. P., and Boardman, assignors.)

Stanzel, Victor, Schulenburg, Tex. Churn. 1,565,970; Dec. 15.

Starke, Richard W. (See Rutters, R. H., and Starke.)

Stentorphone Company. (See Whitson, Delmar A., assignor.)

Stern, Samuel. (See Kluss, M., and Stern.)

Steudel, George E., Milwaukee, Wis. Hot-blast stove. 1,565,971; Dec. 15.

Stevens, John H., and N. Cory, San Antonio, Tex. Support for oxyacetylene torches. 1,565,824; Dec. 15.

Stevens, William H., Hollidaysburg, Pa. Handle for tools. 1,565,599; Dec. 15.

Stewart, Hyland P. (See Lazarus, James, assignor.)

Stewart, Reid T., Pittsburgh, Pa. Carburetor. 1,565,972; Dec. 15.

Stockton, Colonel B., Prentiss, N. C. Display rack and cutter. 1,565,520; Dec. 15.
Stoekle, Erwin R., Milwaukee, Wis., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,565,600; Dec. 15.
Stokes, Howard, Trenton, N. J., assignor to Advertisers Products Corporation. Change tray. 1,565,825; Dec. 15.
Stokes, Robert J., Princeton, assignor to Thermoid Rubber Company, Hamilton Township, N. J. Pulley. 1,566,172; Dec. 15.
Stoll, Clarence G., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand or cord working machine. 1,565,868; Dec. 15.
Stone, John S., San Diego, Calif., and C. C. Rose, East Orange, N. J., assignors to American Telephone and Telegraph Company. Secret-communication system. 1,565,521; Dec. 15.
Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Carrier-current multiplex signaling system. 1,565,522; Dec. 15.
Storck, Charles A., Buffalo, N. Y. Spring. 1,566,173; Dec. 15.
Strahan, Charles M., Athens, assignor of one-half to S. E. Finley, Atlanta, Ga. Composite pavement or roadway and constructing the same. 1,565,682; Dec. 15.
Straw, Walter A., Wheaton; Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Etching. 1,565,869; Dec. 15.
Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Mounting for brake gears. 1,565,870; Dec. 15.
Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
Strupe, Cecil H., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Tympano. Re16,226; Dec. 15.
Stuart, John L., Oakland, assignor to Stuart Machine Co., San Francisco, Calif. Gromet making and setting machine. 1,565,523; Dec. 15.
Stuart Machine Co. (See Stuart, John L., assignor.)
Sullivan Machinery Company. (See Morrison, Joe W., assignor.)
Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
Summerall, William B., Atlanta, Ga. Door control. 1,565,524; Dec. 15.
Sun Rise Lamp Mfg. Co. (See Lipsky, Norman, assignor.)
Sutherland, Paul, Inspiration, Ariz., assignor to American Manganese Steel Company, Chicago Heights, Ill. Conveyer. 1,565,760; Dec. 15.
Sutter, Mathew O., Milwaukee, Wis. Shade. 1,565,973; Dec. 15.
Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Method and apparatus for electroplating. 1,565,683; Dec. 15.
Swanson, Starley S., Stoughton, Wis., assignor, by mesne assignments, to Moline Implement Company. Feeding mechanism for spreaders. 1,565,601; Dec. 15.
Swebilius, Carl G., assignor, by mesne assignments, to The Marlin Firearms Corporation, New Haven, Conn. Firearm. 1,565,826; Dec. 15.
Sweeney, William C., Pueblo, Colo. Pneuamtic automobile seat or cushion. 1,565,827; Dec. 15.
Swendeman, Joseph E., Philadelphia, Pa. Steam trap. 1,566,238; Dec. 15.
Swett, Charles E., West Roxbury, and W. E. Swift, Worcester, assignors to United States Envelope Company, Springfield, Mass. Treatment of transparent material. 1,566,239; Dec. 15.
Swift, Willard E. (See Swett, C. E., and Swift.)
Swiss Jewell Company, S. A. (See Bertolini, Davide, assignor.)
Sydeman, Abraham. (See Thoma, Andrew, assignor.)
Sylvan, Joseph, Cicero, Ill. Window construction. 1,565,337; Dec. 15.
Szako, John. New York, N. Y. Saw-filing clamp. 1,565,828; Dec. 15.
Takata, Kamakichi, Kanda-Ku, and P. A. Ritter, Kojimachi-Ku, Tokyo, Japan. Internal-combustion engine for kerosene and crude oil. 1,566,128; Dec. 15.
Tammen, Henry C. (See Howard, E. E., and Tammen.)
Tatosian, Martin, Bridgeport, Conn. Game apparatus. 1,565,525; Dec. 15.
Taylor Instrument Companies. (See Norwood, Harry Y., assignor.)
Templin, Ellis W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Running gear for motor vehicles. 1,565,526; Dec. 15.
Templin, Ellis W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Torque-neutralizing mechanism for motor vehicles. 1,565,527; Dec. 15.
Tevander, Olof N., assignor to Standard Cap & Seal Corporation, Chicago, Ill. Carton or similar article. Des. 69,058; Dec. 15.
Th. Goldschmidt A.-G. (See Weber, J., and Erasmus, assignors.)
Theaman, Herman, et al. (See Putt, Earl B., assignor.)
Thermoid Rubber Company. (See Stokes, Robert J., assignor.)
Thésée, Victor J. M., Brest, France. Apparatus used for the sterilizing of toothbrushes and similar articles. 1,565,684; Dec. 15.
Thewes, William O., assignor to The Ridge Tool Company, North Ridgeville, Ohio. Wrench. 1,565,338; Dec. 15.
Thibaudeau, Paul, assignor of thirty per cent to A. J. Welch, Quebec, Quebec, Canada. Loading machine. 1,565,829; Dec. 15.
Thody, Frederick J., Swift Current, Saskatchewan, Canada. Sheaf shocker. 1,565,528; Dec. 15.
Thoma, Andrew, Cambridge, assignor to A. Sydeman, Boston, Mass. Spreader. 1,565,830; Dec. 15.
Thomann, Robert A., and J. A. Hyle, St. Louis, Mo.; said Hyle assignor to said Thomann. Railway-rail joint. 1,565,871; Dec. 15.
Thomas, Charles S., San Diego, Calif. Tool coupling. 1,565,529; Dec. 15.
Thomas, George P., Glenshaw, Pa. Spacing machine. 1,566,049; Dec. 15.
Thomas, Hanson, Pittsburgh, Pa. Machine for applying nuts to bolts. 1,565,685; Dec. 15.
Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Mercury-vapor spark gap. 1,565,530; Dec. 15.
Thomas, R., & Sons Company, The. (See Buckley, Lorenzo C., assignor.)
Thompson, Arthur W., East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locomotive transformer. 1,565,531; Dec. 15.
Thompson, John T., Wheatland, Iowa. Fencepost. 1,565,339; Dec. 15.
Thompson, Percy, assignor of one-half to S. H. Leach, Kansas City, Mo. Treating vegetable fibers. 1,565,602; Dec. 15.
Thordarson, Edie-Kristine, Aarhus, Denmark. Heel for boots and shoes. 1,566,129; Dec. 15.
Tichy, Frederick, Astoria, and A. C. Koenitz, New York, N. Y., assignors to Wappler Electric Company, Inc. X-ray filter. 1,566,130; Dec. 15.
Tillyer, Edgar D. (See Hill, H. W., and Tillyer.)
Tillyer Edgar D., and H. W. Hill, assignors to American Optical Company, Southbridge, Mass. Neutrollzing set. 1,566,050; Dec. 15.
Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
Titus, Thomas L., Omaha, Nebr. Dispensing valve. 1,565,686; Dec. 15.
Todd, Charles W., Schenectady, N. Y. Truck for railway rolling stock. 1,565,761; Dec. 15.
Tomlinson, John W., St. Petersburg, Fla. Tire-deflation signal apparatus. 1,565,687; Dec. 15.
Totalux Company, The. (See Ford, Frederick H., assignor.)
Tranaas, Emil L., assignor to Koehring Company, Milwaukee, Wis. Batch-box-hoisting apparatus. 1,565,688; Dec. 15.
Trautner, John R., Red Wing, Minn. Oil pump. 1,565,872; Dec. 15.
Treiber, Oskar, Solingen, Germany. Manufacturing scissors and the like. 1,565,340; Dec. 15.
Trimble, Russell F., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,565,603; Dec. 15.
Trolley Shoe-Wheel Company. (See Moore, Otto, assignor.)
Trollhättans Elektrothermiska Aktiebolag. (See Cornelius, Cornelius E., assignor.)
Trout, William A., and C. R. Butler, assignors of one-third to C. A. Rasmussen, Long Beach, Calif. Casing clamp. 1,566,256; Dec. 15.
Trout, William A., Los Angeles, assignor of one-third to C. A. Rasmussen and one-third to C. R. Butler, Long Beach, Calif. Casing clamp. 1,566,257; Dec. 15.
Tubbs, Earl. (See King, C. G., and Tubbs.)
Tubize Artificial Silk Company of America. (See Bindschedler, E., and Rugeley, assignors.)
Tuck, Clarence M., et al. (See Martin, Robert P., assignor.)
Tucker, Hartwell, Prince Georges County, Md. Support for tail lamps on motor vehicles. 1,566,131; Dec. 15.
Tugwell, William. (See Dandy, E. C., and Tugwell.)
Tulip Cup Corporation. (See Bergman, S., and Reifsnyder, assignors.)
Tupper, Frank H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making ventilating strips for transformers. 1,565,532; Dec. 15.
Twyman, Frank, and A. Green, assignors to Adam Hilger, Limited, London, England. Manufacture of lenses and in apparatus therefor. 1,565,533; Dec. 15.
Tyler, James J., New York, N. Y. Leveling apparatus. 1,566,174; Dec. 15.
Ultratex Products Company. (See McLane, Joseph A., assignor.)
Umrath, Karl D., St. Louis, Mo. Apparatus for shelling Crustacea. 1,565,341; Dec. 15.
Umrath, Karl D., St. Louis, Mo. Apparatus for shelling Crustacea. 1,565,342; Dec. 15.
Underwood, Louis E., Swampscott, Mass., assignor to General Electric Company. Insulating stud. 1,566,132; Dec. 15.
Underwood Typewriter Company. (See Crews, Clarence M., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Vickers, Harry H., assignor.)



Union Machine Company, The. (See Goddard, Charles F., assignor.)
Union-Giesserei. (See Schulz, Karl, assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
Union Switch & Signal Company, The. (See Zierdt, Conrad H., assignor.)
Union Trust Company of San Diego. (See Requa, Richard S., assignor.)
United Shoe Machinery Corporation. (See Bates, Arthur, assignor.)
United Shoe Machinery Corporation (See Cutler, Nelson B., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, John C., assignor.)
United Shoe Machinery Corporation. (See Miller, Homer B., assignor.)
United Shoe Machinery Corporation. (See Molyneux, George E., assignor.)
United States Envelope Company. (See Swett, C. E., and Swift, assignors.)
United States Glass Company. (See Loomis Virgil, assignor.)
Utt, James B. (See Williams, George, assignor.)
Vaghi, Joseph, Bethel, Conn. Smoking set. 1,566,175; Dec. 15.
Van der Bijl, Hendrik J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum tube and operating the same. 1,565,873; Dec. 15.
Vanderlip, Louis C., Elkhart, Ind. Motor-vehicle lock. 1,565,874; Dec. 15.
Van der Molen, Evert, Groningen, Netherelands. Emptying a revolving open-top centrifugal separator. 1,565,604; Dec. 15.
Van der Molen, Evert, Groningen, Netherlands. Apparatus for removing material from the wall of a revolving centrifugal basket suspended from a vertical spindle. 1,565,605; Dec. 15.
Van Horn, Vandiver J. (See Walsh, Harry C. H., jr., assignor.)
Van Slyke, William R., Eveleth, Minn. Treating ores. 1,565,689; Dec. 15.
Van Valkenberg, Eber H., Monroe, assignor of one-half to O. Silverstein, Spokane, Wash. Engine mounting. 1,565,690; Dec. 15.
Varney, Edward B., Fall River, Mass. Veneer vat. 1,565,297; Dec. 15.
Vaughan, David F., Riverton, N. J. Rail anchor. 1,565,534; Dec. 15.
Verbsky, Charles, Cleveland, Ohio. Swimming apparatus. 1,565,606; Dec. 15.
Vergnou, Marcel. (See Ponsolle, J., and Vergnou.)
Vernam, Gilbert S., Riveredge, N. J., and D. B. Perry, Yonkers, N. Y., assignors to American Telephone and Telegraph Company. Printing-telegraph exchange system. 1,565,843; Dec. 15.
Verster, Joseph D. H. (See du Plessis, Daniel J., assignor.)
Vickers, Harry H., Corona, N. Y., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,565,762; Dec. 15.
Vickers Limited. (See Vickers, Oliver H. D., assignor.)
Vickers, Oliver H. D., assignor to Vickers Limited, Westminster, England. Automatic control of aircraft. 1,565,763; Dec. 15.
Vignos, Charles, assignor to The American Mine Door Co., Canton, Ohio. Cable splice. 1,565,831; Dec. 15.
Voices Incorporated. (See Evans, Fred, assignor.)
Von Dabrowski, Lother, Chicago, Ill. Trap and drain. 1,566,052; Dec. 15.
Von Haase, George, Detroit, Mich. Unloading apparatus for vessels. 1,565,875; Dec. 15.
Voriänder, Frans and H. Weber, Wolfen, Kreis Bitterfeld, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Electrode for use in the contact process of making sulphuric acid. 1,565,691; Dec. 15.
Vossen, Bartholomäus, Hochst-on-the-Main, Germany, assignor, by mesne assignments, to Graselli Dyestuff Corporation, New York, N. Y. Brown trisazo dyestuff and making same. 1,565,344; Dec. 15.
Wacker, Frederick G., Chicago, Ill. Operating means for automobile transmission gearing. 1,565,876; Dec. 15.
Waddell, Morton, New York, and M. Katcher, Brooklyn, N. Y. Stop-check-announcing device for adding machines. 1,565,298; Dec. 15.
Wadsworth, Howard L., assignor to H. B. Fay, Cleveland, Ohio. Sand-mixing apparatus. 1,566,133; Dec. 15.
Waite, Charles F., assignor of one-half to D. A. Barber, Cambridge, Mass. Game. 1,565,607; Dec. 15.
Walczak, Antoni, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for reducing adhesiveness of plastic material. 1,565,535. Dec. 15.
Walker, Arthur B. (See Pasqué, E. H., and Walker.)
Walraven, Albert T., Dallas, Tex. Book cover. 1,565,764; Dec. 15.
Walsh, Harry C. H., jr., assignor of one-fourth to V. J. Van Horn, Chicago, Ill. Polishing device. 1,565,608; Dec. 15.
Walter, Guy C., Denver, Colo. Floor-dressing machine. 1,565,692; Dec. 15.
Walter, Harrison B., assignor to Chicago Mill and Lumber Company, Chicago, Ill. Box. 1,565,765; Dec. 15.
Walter, Wilhelm, Heidelberg, Germany. Protective casing for reserve spark plugs. 1,566,240; Dec. 15.
Wandel, Walter E., New Orleans, La. Removing rust. 1,565,536; Dec. 15.
Wappler Electric Company. (See Tichy, F., and and Koenitz, assignor.)
Ward, Edgar. (See Da Costa, Arthur V., assignor.)
Washburn, Elizabeth F., Ware, Mass. Book end or similar article. Des. 69,059; Dec. 15.
Waterman, Elmer E., Remus, Mich. Tractor drawbar structure. 1,565,832; Dec. 15.
Watson, John W., Wayne, Pa. Motion-controlling mechanism. 1,565,833; Dec. 15.
Watson, John W., Wayne, Pa. Motion-controlling mechanism. 1,565,834; Dec. 15.
Watson, John W., Wayne, Pa. Motion-controlling mechanism. 1,565,835; Dec. 15.
Waugh, Clara Y., administratrix. (See Naugh, James H.)
Waugh, James H., deceased, Los Angeles, Calif.; C. Y. Waugh, administratrix. Wall-bonding device. 1,566,135; Dec. 15.
Way, Edward J., Johannesburg, Transvaal, South Africa. Cinematographic-film printer. 1,565,693; Dec. 15.
Weaver, Henry F., Ezra, Ill. Cotton chopper. 1,565,694; Dec. 15.
Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Brake-testing appliance. 1,566,053; Dec. 15.
Weaver Manufacturing Company. (See Weaver, Ira A., assignor.)
Weber, Guillaume, assignor to the Société Les Petits Fils De Francois De Wendel & Cie., Hayange, Moselle, France. Preparation of explosive charges by means of liquid oxygen or air. 1,565,766; Dec. 15.
Weber, Hermann. (See Vorländer F., and Weber.)
Weber, Josef, Essen, and P. Erasmus, Berlin-Wilmersdorf, assignors to the Firm Th. Goldschmidt, A.-G., Essen, Germany. Producing methyl alcohol and methylene chloride from methane. 1,565,845; Dec. 15.
Weber, Joseph, Grinnell, Iowa. Waterer. 1,566,176; Dec. 15.
Webster, Milton W., assignor to J. A. Carter, Toronto, Ontario, Canada. Nut lock. 1,565,609; Dec. 15.
Webster, Oscar A., Edgewood, assignor to Allen Wrench & Tool Company, Providence, R. I. Work-testing fixture. 1,565,695; Dec. 15.
Webster, Thomas H., London, England. Ammunition-supply apparatus for gun turrets in which two or more guns are mounted. 1,565,836; Dec. 15.
Webster, Thomas H., London, England. Ammunition-supply apparatus for gun turrets. 1,565,837; Dec. 15.
Wedberg, Axel G. W., Floral Park, Long Island, N. Y. Apparatus for molding hollow concrete walls. 1,566,263; Dec. 15.
Weeks, Frank A., Plainfield, N. J. Stand for pad calendars. 1,566,054; Dec. 15.
Welch, Alexander J. (See Thibaudeau, Paul, assignor.)
Wells, William A., Spokane, Wash. Wall structure. 1,565,537; Dec. 15.
Welsh, Chester J., assignor to The Conneaut Shovel Company, Conneaut, Ohio. Reenforced split D handle. 1,566,134; Dec. 15.
Wengel, Harry C., Birmingham, and J. B. Michael, Selma, Ala. Valve-grinding machine. 1,566,055; Dec. 15.
Wenzel, Jacob B., Bloom, Colo. Making piston rings. 1,565,299; Dec. 15.
Werner, Walter, assignor to The Noble & Wood Machine Co., Hoosick Falls, N. Y. Jordan shell liner. 1,565,877; Dec. 15.
Westbrook, Charles R., San Francisco, Calif., assignor, by mesne assignments, to Simplex Air Brake Company. Vacuum brake. 1,565,767; Dec. 15.
Westerfield, William, Pasadena, Calif. Adjustable thermostat valve. 1,566,056; Dec. 15.
Western Electric Company. (See Anderegg, Gustavus A., assignor.)
Western Electric Company. (See Arnold, Harold D., assignor.)
Western Electric Company. (See Clausen, Henry P., assignor.)
Western Electric Co. (See Coram, Roy E., assignor.)
Western Electric Company. (See Edwards, G. D., and Capen, assignors.)
Western Electric Company. (See Goff, Harold W., assignor.)
Western Electric Company. (See Green, Charles W., assignor.)
Western Electric Company. (See Griffith, Thomas R., assignor.)
Western Electric Company. (See Hartley, Ralph V. L., assignor.)
Western Electric Company. (See Horton, Joseph W., assignor.)
Western Electric Company. (See Houskeeper, William G., assignor.)
Western Electric Company. (See Johnson, John B., assignor.)
Western Electric Company. (See Kelly, Mervin J., assignor.)
Western Electric Company. (See Kochendorfer, F. S., and Robinson, assignors.)
Western Electric Company. (See Massingham, Henry R., assignor.)

Western Electric Company. (See McDonough, John, assignor.)
Western Electric Company. (See Mills, John, assignor.)
Western Electric Company. (See Moore, Charles R., assignor.)
Western Electric Company. (See Reddig, Charles E., assignor.)
Western Electric Company. (See Ryan, Francis M., assignor.)
Western Electric Company. (See Snook, Homer C., assignor.)
Western Electric Company. (See Stockle, Erwin R., assignor.)
Western Electric Company. (See Stoll, Clarence G., assignor.)
Western Electric Company. (See Straw, Walter A., assignor.)
Western Electric Company. (See Trimble, Russell F., assignor.)
Western Electric Company. (See van der Bijl, Hendrik J., assignor.)
Westinghouse Air Brake Company, The. (See Craig, John F., assignor.)
Westinghouse Air Brake Company, The. (See Hukill, Henry D., assignor.)
Westinghouse Air Brake Company, The. (See Hume, John, assignor.)
Westinghouse Air Brake Company, The. (See Morrell, Joseph C., assignor.)
Westinghouse Air Brake Company, The. (See Ohl, Clyde A., assignor.)
Westinghouse Air Spring Company, The. (See Liebau, Richard, assignor.)
Westinghouse Lamp Company. (See Blackwell, William T., assignor.)
Westinghouse Lamp Company. (See Hageman, Aaron M., assignor.)
Westinghouse Lamp Company. (See Harrington, Ertle L., assignor.)
Westinghouse Lamp Company. (See MacRae, Duncan, assignor.)
Westinghouse Lamp Company. (See Sproesser, William C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Allard, Arthur R., assignor.)
Westinghouse Electric and Manufacturing Company. (See Aram, Otto, assignor.)
Westinghouse Electric & Manufacturing Company. (See Boddie, Clarence A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bouton, Edgar M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brackett, Quincy A., assignor.)
Western Electric Company. (See Burkholder, John C., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Colby, Ora A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cornell, Edgar, jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dunn, Walter M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dixon, Walter C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hunt, Marsden H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Keene, Alvin D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kincaid, Charles W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Krantz, Hubert K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, Donald G., assignor.)
Westinghouse Electric and Manufacturing Company. (See Miller, Charles F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pierce, Raymond T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Read, Ernest K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reid, Thomas A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rudd, H. H., and Bender, assignors.)
Westinghouse Electric & Manufacturing Company. (See Spooner, Thomas, assignor.)
Westinghouse Electric and Manufacturing Company. (See Thomas, Phillips, assignor.)
Westinghouse Electric & Manufacturing Company. (See Thompson, Arthur W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tupper, Frank H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
Whitaker, William H., Shelbyville, Ill. Pulverized-fuel burner. 1,565,177; Dec. 15.
White, Alfred H., Ann Arbor, Mich., assignor to J. E. Alexander, Port Edwards, and E. G. Goodell, Stevens Point, Wis., trustees. Reducing sulphates and the like. 1,565,300; Dec. 15.
White, H. C., Company. (See Bried, Julien A., assignor.)
White, John M., Evanston, assignor to W. E. Pratt, Chicago, Ill. Lifting jack. 1,565,878; Dec. 15.
White, S. S., Dental Manufacturing Company, The. (See Angell, Robert C., assignor.)
White, William E., assignor to Kalman Steel Company, Chicago, Ill. Built-up truss. 1,565,879; Dec. 15.
Whitehead, Thomas C., Detroit, Mich. Rotary pump. 1,565,696; Dec. 15.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Brake beam and making same. 1,565,346; Dec. 15.
Whitney, Willis R., Niskayuna, N. Y., assignor to General Electric Company. Producing matte finish. 1,566,241; Dec. 15.
Witson, Delmar A., assignor to Stentorphone Company, Los Angeles, Calif. Junior loud speaker. 1,565,974; Dec. 15.
Wiehle, Edward W. (See English, F. A., and Wiehle.)
Wilcox, Joseph, jr., assignor to Wilcox Novelty Company, Athol, Mass. Clock casing. 1,565,538; Dec. 15.
Wilcox Novelty Company. (See Wilcox, Joseph, jr., assignor.)
Wilder, Allen B., assignor to Wilder Manufacturing Company, St. Louis, Mo. Making flexible articles. 1,565,880; Dec. 15.
Wilder Manufacturing Company. (See Wilder, Allen B., assignor.)
Wilkinson, Edwin F., Los Angeles, Calif. Table game. 1,566,057; Dec. 15.
Willard, Alfred R., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Apparatus for filling storage-battery cells with electrolyte. 1,565,347; Dec. 15.
Willard, George H., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,566,258; Dec. 15.
Willard Storage Battery Company. (See Willard, Alfred R., assignor.)
Willcox, Albert M., Savannah, Ga. Connecting rod. 1,566,242; Dec. 15.
Williams, George, Santa Ana, assignor of one-half to J. B. Utt, Tustin, Calif. Antenna loop or similar article. Des. 69,060; Dec. 15.
Williams, Isaac N., Foltz, Ind. Barrel or keg stand. 1,566,178; Dec. 15.
Williams, Orr H., et al. (See Hunt, William W., assignor.)
Williams, Patrick M., North Wilkesboro, N. C., assignor to Moore Dry Kiln Company, Jacksonville, Fla. Pipe system for kilns. 1,566,243; Dec. 15.
Williams, Perl E., et al. (See Smyser, Elmer D., assignor.)
Williamson, James E., South Orange, N. J. Nozzle for filters. 1,566,058; Dec. 15.
Willis, Joseph E., Los Angeles, Calif. Gas appliance. 1,565,881; Dec. 15.
Willson, Frederic S., Seattle, Wash. Trolling spoon. 1,566,059; Dec. 15.
Wilmarth, Charles G., Salina, Kans. Ant trap. 1,566,179; Dec. 15.
Wilson, Harrison D., Chicago, Ill. Window construction. 1,565,975; Dec. 15.
Wilson, Stanyarne. (See Fensom, William R., assignor.)
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Gauging device. 1,565,838; Dec. 15.
Winkler, Kaspar, Altstetten, Switzerland. Treatment of cementitious material. 1,565,839; Dec. 15.
Wise, Stanley C., Canonsburg, Pa., assignor to Continental Can Company, Inc., Syracuse, N. Y. Tin-plate-piling apparatus. 1,565,840; Dec. 15.
Wolcott, Milton J. (See Nicholls, Moses, assignor.)
Wolfe, William C., Anderson, Ind. Tamping tool. 1,565,697; Dec. 15.
Woods, Lella P., administratrix. (See Woods, Norman E.)
Woods, Norman E., deceased, Paterson, N. J.; L. P. Woods, administratrix. Portable motor. 1,565,976; Dec. 15.
Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric space heater. 1,565,539; Dec. 15.
Woodson, Robert E., Webster Groves, Mo. Nut-cracking machine. 1,565,610; Dec. 15.
Woolworth Chemical Company. (See Peacock, William, assignor.)
Wooster, Lillian D., administratrix. (See Wooster, Philip L.)
Wooster, Philip L., deceased, by L. D. Wooster, administratrix, Manhasset, N. Y. Making material for filtering and decolorising. Re16,225; Dec. 15.
Worldseye Company, The. (See Goretta, Andrew, assignor.)
Worley, Jesse A., et al. (See Kee, William A., assignor.)
Worthington Pump and Machinery Company. (See Brigham, Nelson E., assignor.)
Wright, George S., Ulysses, Kans. Earth drilling or excavating machine. 1,566,060; Dec. 15.
Wright, Harry A., Hillsboro, Ohio. Cream-testing machine. 1,565,698; Dec. 15.
Wright, Sumner B., East Orange, N. J., assignor to American Telephone and Telegraph Company. Automatic volume regulation of transmission systems. 1,565,540; Dec. 15.





Yuen, Yee, et al. (See Jones, Harry H., assignor.)
Zakrzewski, Alexander F., Green Island, N. Y. Folding the edges of collars for personal wear. 1,565,699; Dec. 15.
Zeidler, William A., New York, N. Y. Ironing machine. 1,565,348; Dec. 15.
Zenith Radio Corporation. (See Jenkins, John E., assignor.)
Zerk, Oscar, now, by judicial change of name, Oscar U. Zerk, Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating apparatus. 1,565,349; Dec. 15.
Ziegler, Charles E., assignor of one-half to W. C. Arthur, Pittsburgh, Pa. Irrigator. 1,566,061; Dec. 15.
Zierdt, Conrad H., Rosedale, Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,565,768; Dec. 15.
Zilberstein, Henri, Paris, France. Adjustable dress stand. 1,565,700; Dec. 15.
Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump car. 1,565,850; Dec. 15.

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 15TH DAY OF DECEMBER, 1925.

**NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.**

Accounting system. W. G. Peters. 1,565,951; Dec. 15.
Acid, Electrode for use in the contact process of making sulphuric. F. Vorländer and H. Weber. 1,565,691; Dec. 15.
Acridinium compounds, Production of. L. Benda and O. Sievers. 1,565,891; Dec. 15.
Adding machines, Stop-check-announcing device for. M. Waddell and M. Katcher. 1,565,298; Dec. 15.
Advertising device. J. E. Farrell. 1,565,356; Dec. 15.
Aeroplane, Glider. J. Ponsolle and M. Vergnou. 1,565,953; Dec. 15.
Aeroplanes, Telephone inter-communicating system for. G. D. Edwards and W. H. Capen. 1,565,628; Dec. 15.
Air-brake drain device. D. H. Gardner and G. Baker. 1,566,084; Dec. 15.
Aircraft, Automatic control of. O. H. D. Vickers. 1,565,763; Dec. 15.
Airship-steering mechanism. M. W. Adkins. 1,565,239; Dec. 15.
Alcohol and methylene chloride from methane, Producing methyl. J. Weber and P. Erasmus. 1,565,345; Dec. 15.
Alcohol, Manufacture of normal butyl. F. Boinot. 1,565,543; Dec. 15.
Alkali chlorides, Electrolysis of. H. Klopstock. 1,565,943; Dec. 15.
Alloy for electrical contacts. L. A. Gardner. 1,565,358; Dec. 15.
Aluminum metal and its alloys may be applied to ferrous metal, Process by which. C. W. Pfeil. 1,565,495; Dec. 15.
Amusement device. J. P. Laden. 1,565,806; Dec. 15.
Amusement device. H. E. O'Reilly. 1,565,669; Dec. 15.
Annealing furnaces, Conveyer for. J. E. Montgomery. 1,566,160; Dec. 15.
Ant trap. C. G. Wilmarth. 1,566,179; Dec. 15.
Antenna loop or similar article. G. Williams. Des. 69,060; Dec. 15.
Antirattler. B. G. Smith. 1,565,822; Dec. 15.
Antiskid device. A. C. Rankin. 1,565,497; Dec. 15.
Apple coring and paring machine. F. A. Reynolds. 1,565,960; Dec. 15.
Arch-corrective device. J. C. Flanagan. 1,565,266; Dec. 15.
Art novelties, Decorating. M. F. Alkire. 1,565,242; Dec. 15.
Ash sifter. P. S. Nachtsheim. 1,566,036; Dec. 15.
Ash tray for smokers' use. C. F. Gaunt. 1,564,728; Dec. 15.
Asphalt, Packing. E. R. Dillehay and A. R. Lukens. 1,565,798; Dec. 15.
Auto signal. C. H. Glaze. 1,565,998; Dec. 15.
Automobile bumper. W. L. Adams. 1,565,882; Dec. 15.
Automobile bumper. H. A. Borresen. 1,565,844; Dec. 15.
Automobile bumper. T. F. Buck. 1,565,785; Dec. 15.
Automobile bumper. W. J. Grotenhuis. 1,565,272–3; Dec. 15.
Automobile radiator shield. E. J. Barnes. 1,565,843; Dec. 15.
Automobile seat or cushion, Pneumatic. W. C. Sweeney. 1,565,827; Dec. 15.
Automobile signal. E. J. Hart. 1,565,741; Dec. 15.
Automobile steering connection. F. P. Prindle and R. H. Boardman. 1,565,956; Dec. 15.
Automobile transmission gearing, Operating means for. F. G. Wacker. 1,565,876; Dec. 15.
Automobiles, Air brake for. H. W. Alden. 1,565,841; Dec. 15.
Automobiles and the like, Shock-absorbing attachment for Ford. J. L. Kost. 1,566,022; Dec. 15.
Automobiles, Heater for. P. O. Melaas. 1,565,810; Dec. 15.
Automobiles, Luggage carrier for. A. R. Hyatt. 1,566,092; Dec. 15.
Automobiles, Runner attachment for. F. Geaudreau. 1,566,085; Dec. 15.
Automobiles, Starting motor for. O. Brisbois. 1,565,252; Dec. 15.
Awning. E. Poulsen. 1,566,116; Dec. 15.
Bags, Machine for making and filling. A. M. Bates and J. E. Dancker. 1,565,615; Dec. 15.
Balls, Machine for rolling metal. J. R. Hinnegan. 1,566,007; Dec. 15.
Bank protector. J. F. Reeder. 1,566,120; Dec. 15.
Bar hanger. J. F. Kearney. 1,565,465; Dec. 15.
Barrel or keg stand. I. N. Williams. 1,566,178; Dec. 15.
Basket, Portable fire. J. B. Rathmell. 1,566,168; Dec. 15.
Basket suspended from a vertical spindle, Apparatus for removing material from the wall of a revolving centrifugal. E. van der Molen. 1,565,605; Dec. 15.
Batteries, Device for pulling out. E. Harding. 1,566,089; Dec. 15.
Batteries, Noncorrosive composition for terminal. G. K. Franklin. 1,565,994; Dec. 15.
Battery and making same, Electric. H. H. Hipwell. 1,565,450; Dec. 15.
Battery cells with electrolyte, Apparatus for filling storage-. A. R. Willard. 1,565,347; Dec. 15.
Battery terminal. W. A. Burkholder. 1,565,786; Dec. 15.
Bearing. C. W. Kincaid. 1,565,467; Dec. 15.
Bearing, Ball. W. S. Rogers. 1,565,330; Dec. 15.
Bearing, Roller. C. I. Lott. 1,565,662; Dec. 15.
Bed or cot, Folding. J. M. Line. 1,566,222; Dec. 15.
Bedpost lock. E. C. McFarlane. 1,565,745; Dec. 15.
Bevel square. M. Sprenkle. 1,565,759; Dec. 15.
Beveling and squaring tool. A. Radner. 1,565,394; Dec. 15.
Binders, Backplate for loose-leaf. E. W. Carpenter. 1,565,985; Dec. 15.
Birdcage. L. J. Leon. 1,566,219; Dec. 15.
Block: *See*—
Chock block. Pounce block.
Lens block.
Block and wall structure. T. Henderson. 1,566,211; Dec. 15.
Board: *See*—
Lath board.
Bobbin for photographic or like films, Metallic. G. E. Lefebvre. 1,565,655; Dec. 15.
Boiler. C. H. Hook. 1,566,011; Dec. 15.
Boiler. F. B. Howell. 1,566,250; Dec. 15.
Boiler-cooling device. A. L. Callough. 1,566,072; Dec. 15.
Boilers, Economizer for steam. J. E. Bell. 1,565,304; Dec. 15.
Boilers, Feed-water apparatus for steam. M. M. Crowley. 1,565,989; Dec. 15.
Boilers, Making. R. W. Birchfield. 1,565,541–2; Dec. 15.
Book and cover. H. C. Egerton. 1,565,629; Dec. 15.
Book cover. A. T. Walraven. 1,565,764; Dec. 15.
Book end or similar article. E. F. Washburn. Des. 69,059; Dec. 15.
Books and covers, Making. H. C. Egerton. 1,565,630; Dec. 15.
Booklet. G. M. Marshall. 1,566,154; Dec. 15.
Boom drive. C. E. Foote. 1,565,634; Dec. 15.
Bootblack stands, Movable foot rest for. H. Borgmann. 1,566,138; Dec. 15.
Boots and shoes, Manufacturing. G. E. Molyneux. 1,565,288; Dec. 15.
Bottle-capping machine. C. W. Kendall. 1,565,371; Dec. 15.
Bottled goods, Cooler for. S. Kaye. 1,566,099; Dec. 15.
Bourdon gauges, Retard device for. E. B. Crocker. 1,565,552; Dec. 15.
Bowl, Chilling. H. W. Hibbard. Des. 69,019; Dec. 15.
Box: *See*—
Folding box. Mail box.
Box. J. L. Hood. 1,565,457; Dec. 15.
Box. H. B. Walter. 1,565,765; Dec. 15.
Box blanks, Machinery and method for making. E. Sale. 1,565,909; Dec. 15.
Box for pulp and paper beaters, Packing. W. J. Fish 1,565,632; Dec. 15.
Bracket: *See*—
Scaffold bracket.
Bracket fixture, Electrical. V. R. Despard. Des. 69,014; Dec. 15.
Braiding machine and method. E. C. Dandy and W. Tugwell. 1,565,990; Dec. 15.
Brake: *See*—
Fluid-pressure brake. Vehicle brake.
Vacuum brake.
Brake beam and making same. L. L. Whitney. 1,565,346; Dec. 15.
Brake control. E. B. Mead. 1,565,383; Dec. 15.
Brake device, Automotive. C. A. Ohl. 1,565,492; Dec. 15.
Brake for motor vehicles. M. Sizaire. 1,565,517; Dec. 15.
Brake linings, Device for feeding nonslip materials to. L. J. Rose. 1,565,961; Dec. 15.





Brake mechanism. B. H. Anibal. 1,565,614; Dec. 15.
Brake-testing appliance. I. A. Weaver. 1,566,053; Dec. 15.
Brake-testing machine. P. J. Donavan. 1,565,717; Dec. 15.
Brassière. L. E. Levy. 1,565,807; Dec. 15.
Bread and the like, Manufacture of. J. F. McDonough. 1,566,151; Dec. 15.
Brick machine. G. B. Haney. 1,565,738; Dec. 15.
Brick machines, Trimming mechanism for. G. B. Haney. 1,565,739; Dec. 15.
Brickmaking means. R. F. Ross. 1,566,126; Dec. 15.
Bridge, Lift. E. E. Howard and H. C. Tammen. 1,565,571; Dec. 15.
Broom holder. J. R. Harvel. 1,565,642; Dec. 15.
Brush, Automobile wash. L. P. Blakey. 1,565,780; Dec. 15.
Brush, Commutator. H. W. Muhleisen. 1,565,666; Dec. 15.
Buckle. G. A. Guyot. 1,565,563; Dec. 15.
Buckle, Belt. F. F. Knothe. 1,566,104; Dec. 15.
Buffer, Pneumatic. O. Finkhaus. 1,566,190; Dec. 15.
Bumper. C. B. Parsons. 1,565,587; Dec. 15.
Bumper, Automobile. G. Sauer. 1,565,592; Dec. 15.
Burner: *See*—
Fuel burner. Oil burner.
Liquid-fuel burner.
Burners, Latch for flame spreaders of oil. L. S. Chadwick and M. Resek. 1,565,986 Dec. 15.
Butter cutter. J. A. Cantey. 1,565,846; Dec. 15.
Button. W. E. Elliott. 1,565,265; Dec. 15.
Button blanks, Machine for cutting. G. A. Lippincott. 1,565,475; Dec. 15.
Button, Separable. L. Samuels. 1,565,506; Dec. 15.
Button, Separable cuff. C. P. Kuehner. 1,566,023; Dec. 15.
Cable clamp. C. A. McMunn. 1,566,153; Dec. 15.
Cable splice. C. Vignos. 1,565,831; Dec. 15.
Calculating machine, Casing for a. C. W. Prewett. Des. 69,055; Dec. 15.
Calendars, Stand for pad. F. A. Weeks. 1,566,054; Dec. 15.
Call sheet. D. E. Holt. 1,565,456; Dec. 15.
Camera and film indicator. C. Bouin. 1,565,897; Dec. 15.
Camera, Moving-picture. M. M. Moore and F. F. Baker. 1,565,488; Dec. 15.
Cameras, Focusing device for photographic. J. Krone. 1,566,217; Dec. 15.
Candy baskets, Forming. J. Lazarus. 1,566,146; Dec. 15.
Caoutchouc, Vulcanization of. J. M. Gillet. 1,566,247; Dec. 15.
Caoutchouc, Vulcanization of. H. Oehme. 1,565,812; Dec. 15.
Capping horse. C. A. Smith and H. L. Hillyard. 1,566,253; Dec. 15.
Capsules, Automatic machine for the manufacture of. L. P. E. Genat. 1,565,729; Dec. 15.
Car coupler. W. A. Hassell, jr. 1,565,937; Dec. 15.
Car, Dump. A. E. Zimmer. 1,565,350; Dec. 15.
Car dumper. G. N. Simpson. 1,565,966; Dec. 15.
Car-lighting system. W. L. Conwell. 1,565,908; Dec. 15.
Car-vestibule diaphragm. H. H. Schroyer. 1,565,293; Dec. 15.
Carbon deposits, Composition for removing. J. Bird. 1,565,779; Dec. 15.
Carburetor. F. Durante. 1,565,916; Dec. 15.
Carburetor. R. T. Stewart. 1,565,972; Dec. 15.
Carburetor, Coal. D. W. Robb. 1,565,674; Dec. 15.
Card holder, Tooth-mounting-. R. C. Angell. 1,565,244; Dec. 15.
Carrier waves, Circuits for the production of pure modulated. R. E. Coram. 1,565,847; Dec. 15.
Carton. B. J. Davidson. 1,566,077; Dec. 15.
Carton or similar article. O. N. Tevander. Des. 69,058; Dec. 15.
Case: *See*—
Show case. Vanity case.
Casing clamp. W. A. Trout and C. R. Butler. 1,566,256; Dec. 15.
Casing clamp. W. A. Trout. 1,566,257; Dec. 15.
Casting insulators, Mold for. M. H. Hunt. 1,565,460; Dec. 15.
Casting machine. A. Kaufmann. 1,566,215; Dec. 15.
Ceiling light. M. Klein. Des. 69,035; Dec. 15.
Ceiling light. M. Klein. Des. 69,037; Dec. 15.
Cement with a base of zirconium ore, Refractory. F. C. Le Coultre. 1,565,472; Dec. 15.
Cementitious material, Treatment of. K. Winkler. 1,565,839; Dec. 15.
Centrifugal separator, Emptying a revolving open-top. E. van der Molen. 1,565,604; Dec. 15.
Chairs, Headrest attachment for. J. Gilmour. 1,565,730; Dec. 15.
Chandelier. M. Pilny. Des. 69,047; Dec. 15.
Change tray. H. Stokes. 1,565,825; Dec. 15.
Check book. A. B. Byquist. 1,565,255; Dec. 15.
Cheese cutter. G. D. Ritchie. 1,568,816; Dec. 15.
Chest: *See*—
Cooling chest.
Chick feeder. A. F. Hampton and C. S. Marshall. 1,565,737; Dec. 15.
Chlorine, Producing. E. M. Partridge and E. W. Scarritt. 1,566,040; Dec. 15.
Chock block. F. G. Hewlett. 1,565,801; Dec. 15.
Chopper: *See*—
Cotton chopper.
Chuck, Power-operated. L. E. Godfriaux. 1,565,733; Dec. 15.
Churn. V. Stanzel. 1,565,970; Dec. 15.
Chute, Cottonseed. J. O. Lindsey. 1,566,148; Dec. 15.
Cigar and cigarette lighter. C. Baia and A. Aderente. 1,565,981; Dec. 15.
Cigar-wrapping machine. F. L. Herrington. 1,565,989; Dec. 15.
Cigarette and match holder. T. Ishikawa. 1,565,369; Dec. 15.
Cinematographic-film printer. E. J. Way. 1,565,693; Dec. 15.
Cinematographs, Film-feeding mechanism for. F. Seufert. 1,565,336; Dec. 15.
Circuit connecter. H. A. Douglas. 1,565,313; Dec. 15.
Circuit-controlling device. F. Roberson. 1,566,122; Dec. 15.
Clamp: *See*—
Cable clamp. Loom clamp.
Casing clamp.
Clamp. W. F. Conklin. 1,566,078; Dec. 15.
Cleaner: *See*—
Generator-commutator cleaner. Vacuum cleaner.
Pneumatic cleaner. Windshield cleaner.
Yarn cleaner.
Clip: *See*—
Paper clip.
Clock casing. J. Wilcox, jr. 1,565,538; Dec. 15.
Clock, Electric. F. J. Seabolt. 1,565,333; Dec. 15.
Clock setting means, Electric. F. J. Seabolt. 1,565,334; Dec. 15.
Clocks, Automatic control winding mechanism for. J. M. Bonet. 1,565,705; Dec. 15.
Closet: *See*—
Water-closet.
Closet bowls, Drainage connection for. A. Hess. 1,566,002; Dec. 15.
Closure device. A. C. Spalding. 1,566,237; Dec. 15.
Closure fastener. F. W. Ploss. 1,566,115; Dec. 15.
Clothes wringer. B. E. Sipe. 1,565,967; Dec. 15.
Clutch. J. E. Boda. 1,565,619; Dec. 15.
Clutch. A. A. Gordon. 1,565,639; Dec. 15.
Clutch. W. L. Lindgren. 1,565,377; Dec. 15.
Clutch. C. B. Rose. 1,565,398; Dec. 15.
Clutch construction. E. R. Evans. 1,565,722; Dec. 15.
Clutch control, Automatic. J. F. Craig. 1,565,421; Dec. 15.
Clutch, Fluid. J. E. Farrell, jr. 1,565,355; Dec. 15.
Coal-mining machine. N. D. Levin. 1,565,376; Dec. 15.
Coated materials, Treating. E. Cornell, jr. 1,565,420; Dec. 15.
Coating machine. T. J. Galbraith. 1,565,435; Dec. 15.
Coil spreader. J. W. Pleasant. 1,566,227; Dec. 15.
Collars, Fastening means for. J. B. Driver. 1,565,914; Dec. 15.
Collars for personal wear, Folding the edges of. A. F. Zakrzewski. 1,656,699; Dec. 15.
Color-matching device. R. E. Sleight. 1,566,046; Dec. 15.
Colter attachment. H. H. Sandman. 1,565,676; Dec. 15.
Combustion head. M. M. Grant. 1,565,359; Dec. 15.
Communication system, Secret-. J. S. Stone and C. C. Rose. 1,565,521; Dec. 15.
Compressor. A. Roszkowski. Re16,230; Dec. 15.
Compressor unit. L. J. Berkeley. 1,566,067; Dec. 15.
Concrete blocks, Machine for molding. S. S. Levy. 1,565,575; Dec. 15.
Concrete floor construction, Centering-form apparatus for. E. E. Davis. 1,565,912; Dec. 15.
Concrete walls, Apparatus for molding. A. G. W. Wedberg. 1,665,263; Dec. 15.
Condenser. H. S. Dodson and W. H. Shirey. 1,565,351; Dec. 15.
Condenser, Zinc. H. A. Grine. 1,565,928; Dec. 15.
Connecting rod. A. M. Willcox. 1,566,242; Dec. 15.
Container cover. J. Brensinger. 1,565,902; Dec. 15.
Container, Folding. G. A. Garcia. 1,566,196; Dec. 15.
Containers, Flexible handle for. E. M. Atkinson. 1,566,062; Dec. 15.
Conveyer. G. A. Fullips. 1,565,922; Dec. 15.
Conveyer. W. J. Knoll. 1,565,944; Dec. 15.
Conveyer. P. Sutherland. 1,565,760; Dec. 15.
Cooker. C. J. Clefton. 1,565,714; Dec. 15.
Cooling chest. S. Kaye. 1,566,100; Dec. 15.
Cooling system. H. C. Mallory. 1,565,284; Dec. 15.
Copper carbonate, Electrolytic process for the production of. H. Howard. 1,565,367; Dec. 15.
Core. H. Z. Landon. 1,566,024; Dec. 15.
Core-making machine. O. Skeppstedt. 1,566,045; Dec. 15.
Corn-sheller feeder extensions, Wheeled carrier for. W. T. Crawford. 1,565,422; Dec. 15.
Corset. A. S. Johnson. 1,565,804; Dec. 15.
Corset and similar garment for ladies' wear. J. W. Gordon. 1,565,270; Dec. 15.
Cosmetics, Device for use in applying. C. Bash. 1,565,775; Dec. 15.
Cotton chopper. H. F. Weaver. 1,565,694; Dec. 15.
Cotton gin. W. D. Doremus. 1,565,626; Dec. 15.

Cotton, wool, and the like, Machine for combing. J. Horridge. 1,565,647; Dec. 15.
Counter and totalizer, Revolution. J. M. Dayton. 1,565,715; Dec. 15.
Counter, Drop. T. B. Schimpff. 1,565,332; Dec. 15.
Coupling: *See*—
Tool coupling.
Crank-shaft polisher. L. Reno. 1,565,958; Dec. 15.
Cream separator. R. S. Innes. 1,566,093; Dec. 15.
Cream-testing machine. H. A. Wright. 1,565,698; Dec. 15.
Crustacea, Apparatus for shelling. K. D. Umrath. 1,565,341–2; Dec. 15.
Crutch pad. C. Moore. 1,565,582; Dec. 15.
Cue tip. V. Ajello. 1,565,612; Dec. 15.
Cultivator. J. P. Seaholm. 1,565,594; Dec. 15.
Cultivator, Tractor-operated. G. H. Scanlan. 1,566,229; Dec. 15.
Cup: *See*—
Swab cup.
Cups, Holder for individual drinking. S. Bergman and J. D. Reifsnyder. 1,565,306; Dec. 15.
Curling and waving hair. P. Sartory. 1,565,509; Dec. 15.
Current-rectifying device. W. O. Snelling. 1,565,595; Dec. 15.
Current-supply system. H. O. Rugh. 1,565,963; Dec. 15.
Currents, High-vacuum device for influencing. J. E. Lilienfeld. 1,565,659; Dec. 15.
Currents, Method of and apparatus for controlling alternating. W. A. Eaton. 1,565,316; Dec. 15.
Curtain holder. G. W. Dover. 1,566,081; Dec. 15.
Curtain rod. W. C. Kenney. 1,565,742; Dec. 15.
Curtains, draperies, and the like, Supporting bracket for. B. B. Greenhut. 1,565,784–5; Dec. 15.
Cutter: *See*—
Butter cutter. Cheese cutter.
Cutting machine. A. Laukhuff. 1,565,654; Dec. 15.
Cylinder-boring tool. G. W. Hughson and A. S. Bacon. 1,565,980; Dec. 15.
Decoys, Anchor for. R. S. Link. 1,565,474; Dec. 15.
Dehydration process. H. C. Eddy. 1,565,992; Dec. 15.
Dehydrator, Centrifugal. C. W. Girvin. 1,565,997; Dec. 15.
Dentifrice. J. T. Leland. 1,566,218; Dec. 15.
Desk, Cabinet. J. L. Axen. 1,565,247; Dec. 15.
Desk, Office. J. L. Axen. 1,565,246; Dec. 15.
D handle, Reenforced split. C. J. Welsh. 1,566,134; Dec. 15.
Dial, Illuminated. W. C. and F. Buchholz. 1,566,069; Dec. 15.
Dielectric strength, Apparatus for determining. A. W. Empson. 1,565,721; Dec. 15.
Dish or similar article. V. Loomis. Des. 69,040; Dec. 15.
Dispensing device. D. H. Sankey and H. Brooks. 1,566,169; Dec. 15.
Dispensing device, Visible. J. G. Doty. 1,565,627; Dec. 15.
Display device. R. I. Rhodes. 1,565,672; Dec. 15.
Display device. A. G. Snider. 1,565,758; Dec. 15.
Display rack and container. E. H. Baker. 1,565,889; Dec. 15.
Display rack and cutter. C. B. Stockton. 1,565,520; Dec. 15.
Display tree. P. L. Lazarus. 1,566,025; Dec. 15.
Doll. B. Schell. Des. 69,056; Dec. 15.
Doll, Automatic wake-up. G. H. Parsons. 1,566,166; Dec. 15.
Door. E. J. Spiesbach. 1,565,597; Dec. 15.
Doorcheck. H. E. Gifford. 1,565,923; Dec. 15.
Door control. W. B. Summerall. 1,565,524; Dec. 15.
Door-control mechanism, Unit-. H. Rowntree. 1,565,399; Dec. 15.
Door-locking device. N. Christiansen. 1,565,713; Dec. 15.
Door structure, Metallic. J. Ledwinka. 1,565,748; Dec. 15.
Doors, Burglar protection for safe. T. F. Nelson. 1,565,751; Dec. 15.
Dough-loaf slasher. S. Andrus. 1,565,887; Dec. 15.
Draft mechanism. A. W. Rybeck. 1,565,400; Dec. 15.
Drainage system. G. H. Barrus. 1,565,772; Dec. 15.
Draperies, Valance for window. R. J. Murray. Des. 69,045; Dec. 15.
Dress stand, Adjustable. H. Zilberstein. 1,565,700; Dec. 15.
Drill: *See*—
Well drill.
Drill. F. A. Edson and B. B. Carter. 1,565,430; Dec. 15.
Drilling or excavating machine, Earth. G. S. Wright. 1,566,060; Dec. 15.
Drive unit. C. C. Spreen. 1,566,254; Dec. 15.
Driving mechanism. C. F. Goddard. 1,565,732; Dec. 15.
Drying plant. P. Barducci. 1,566,244; Dec. 15.
Drum, Kettle. G. M. Robison. 1,565,329; Dec. 15.
Dual wheel. D. P. Owens. 1,566,226; Dec. 15.
Dust cap. E. Nelson and A. A. Bassett. 1,565,667; Dec. 15.
Dust-cleaning element. O. V. Greene. 1,566,088; Dec. 15.
Dye and making same, Bluish sulfurized indophenol-benzidine. L. Haas and E. Reber. 1,565,736; Dec. 15.
Dyeing fur and product thereof. H. M. Becher. 1,566,066; Dec. 15.
Dyestuff and making same, Brown trisazo. B. Vossen. 1,565,344; Dec. 15.
Eccentric, Adjustable. B. Dubi. 1,565,264; Dec. 15.
Electric connecter. B. F. Moody. 1,565,486; Dec. 15.
Electric connection. W. A. Frantz. 1,565,321; Dec. 15.
Electric-motor-control system. R. D. Given and H. W. C. Liddiard. 1,566,086; Dec. 15.
Electric space heater. J. C. Woodson. 1,565,539; Dec. 15.
Electric switch gear. J. Mirrey. 1,565,287; Dec. 15
Electrical actuating device, Automatic. O. Hively. 1,566,010; Dec. 15.
Electrical apparatus. J. D. Hilliard. 1,566,091; Dec. 15.
Electrical connector. H. A. Douglas. 1,565,314; Dec. 15.
Electrical measuring apparatus. G. A. Anderegg. 1,565,613; Dec. 15.
Electrode holder. A. R. Allard. 1,565,405–6; Dec. 15.
Electromagnetic tool. N. Japolsky. 1,565,462; Dec. 15.
Electron-discharge device. T. R. Griffith. 1,565,562; Dec. 15.
Electron-discharge device. W. G. Houskeeper. 1,565,569–70; Dec. 15;
Electron-discharge device. E. R. Stoekle. 1,565,600; Dec. 15.
Electron-discharge device. R. F. Trimble. 1,565,603; Dec. 15.
Electron-tube oscillator. L. W. Chubb. 1,565,416; Dec. 15.
Electroplating, Method and apparatus for. J. G. Swain. 1,565,683; Dec. 15.
Elevator: *See*—
Mail elevator.
Musical-instrument elevator.
Elevators and the like, Cable equalizer for. J. W. Hobbs 1,565,646; Dec. 15.
Embalming fluid. E. Barta. 1,565,773; Dec. 15.
Engine: *See*—
Internal-combustion engine. Steam engine.
Engine for kerosene and crude oil. Internal-combustion. K. Takata and P. A. Ritter. 1,566,128; Dec. 15.
Engine valve mechanism, Silencer for gas-. G. H. Charnock. 1,565,712; Dec. 15.
Engines, Carbon-removing attachment for internal-combustion. J. Bird. 1,565,778; Dec. 15.
Engines, Cooling internal-combustion. H. C. Haak. 1,565,323; Dec. 15.
Engines, Mechanical starter for internal-combustion. P. R. L. A. Carmier. 1,565,789; Dec. 15.
Engines, Reversing mechanism for oil-burning. A. A. Asplund. 1,565,245; Dec. 15.
Engines, Starter for internal-combustion. J. Hasselbring, jr. 1,565,854; Dec. 15.
Etching. W. A. Straw. 1,565,869; Dec. 15.
Exerciser. R. H. McWhirter. 1,565,484; Dec. 15.
Exothermic heater. P. Sartory. 1,565,510; Dec. 15.
Explosive charges by means of liquid oxygen or air, Preparation of. G. Weber. 1,565,766; Dec. 15.
Extractor: *See*—
Staple extractor.
Eyelet. W. H. Custer. 1,566,076; Dec. 15.
Eyelets, Setting blind and invisible. H. B. Miller. 1,565,286; Dec. 15.
Eyes, Adjustable mounting for artificial. A. Konoff. 1,566,165; Dec. 15.
Fastener-feeding device. J. C. Jorgensen. 1,565,278; Dec. 15.
Fastening device. C. Mayer. 1,565,664; Dec. 15.
Fastening device. W. H. Boutelle. 1,565,898; Dec. 15.
Faucet. C. Rick. 1,565,673; Dec. 15.
Faucet. J. A. Jensen. 1,565,649; Dec. 15.
Feeler mechanism. M. Auerbach. 1,566,137; Dec. 15.
Fence guard. M. M. Fairchild and G. J. Nix. 1,565,481; Dec. 15.
Fencepost. J. E. Brown. 1,565,707; Dec. 15.
Fencepost. J. T. Thompson. 1,565,339; Dec. 15.
Ferrozirconium, Producing. R. H. McKee. 1,565,280; Dec. 15.
Fiber composition, Making articles from rubberized. W. G. O'Brien. 1,566,165; Dec. 15.
Fiber to pulverized form, Converting vegetable. E. B. Putt. 1,565,864; Dec. 15.
Fibers, Treating vegetable. P. Thompson. 1,565,602; Dec. 15.
Filament and manufacture thereof. G. R. Fonda. 1,565,724; Dec. 15.
File, stick. J. H. Milling. 1,566,159; Dec. 15.
Filter. F. M. Lomax. 1,565,661; Dec. 15.
Filter. W. P. Cottrell. 1,565,988; Dec. 15.
Filtering and decolorizing, Making material for. P. L. Wooster. Re16,225; Dec. 15.
Finger ring. S. Dalin. Des. 69,012; Dec. 15.
Finger ring, Changeable. M. Klass and S. Stern. 1,565,651; Dec. 15.
Firearm. C. A. Nelson. 1,565,384; Dec. 15.
Firearm. C. G. Swebilius. 1,565,826; Dec. 15.
Fish-washing tank. J. F. Hidzick. 1,565,365; Dec. 15.
Fishing reel. W. Schmid. 1,565,402; Dec. 15.
Flangeway guard. C. Burton. 1,565,787; Dec. 15.
Flexible articles, Making. A. B. Wilder. 1,565,880; Dec. 15.





Floor-dressing machine. G. C. Walter. 1,565,692; Dec. 15.
Flour, meal, or milling products and the products thereof, Treating. T. Kroeber. 1,565,375; Dec. 15.
Flow meter. R. W. Schroeder. 1,565,866; Dec. 15.
Flue base and hanger. W. D. Separk. 1,566,233; Dec. 15.
Fluid-actuated rotary machine. F. A. Jimerson. 1,566,095; Dec. 15.
Fluid-distributing system. T. C. Clifford. 1,565,794; Dec. 15.
Fluid-pressure brake. J. Hume. 1,565,459; Dec. 15.
Fluid-pressure motor. J. R. Oishei and E. C. Horton. 1,565,493; Dec. 15.
Fluid-pressure-operated device and control therefor. T. S. Miller. 1,566,111; Dec. 15.
Flytrap, Screen-door. H. E. Martin. 1,566,032; Dec. 15.
Fob or similar article. L. K. Davis. Des. 69,013; Dec. 15.
Folding box. I. P. Schaus. 1,566,041; Dec. 15.
Foot corrector. W. M. Barry. 1,566,063; Dec. 15.
Forming and shaping machine. J. H. Nunney. 1,566,112; Dec. 15.
Foundry patterns and the like, Web-forming attachment for. C. H. Reeder. 1,565,671; Dec. 15.
Fowls, Determining the sex of production of. A. P. and M. T. Little. 1,565,476; Dec. 15.
Fraud-preventing device. F. L. Mills. 1,566,033; Dec. 15.
Fruit grader. J. Cassie. 1,565,622; Dec. 15.
Fruit-sizing machine. J. W. Cassie. 1,565,623; Dec. 15.
Fruit-trimming machine. S. T. Hoyt. 1,565,648; Dec. 15.
Fuel burner, Pulverized-. W. H. Whitaker. 1,566,177; Dec. 15.
Fuel-feed system, Pulverized-. L. H. Bergman. 1,565,893; Dec. 15.
Fuel, Gaseous. J. Harris. 1,565,933–5; Dec. 15.
Fuel, Machine for the production of powdered. C. E. Blyth. Re16,229; Dec. 15.
Fuel moistener. T. B. Hogg. 1,565,453; Dec. 15.
Furnace: *See*—
Glass-drawing furnace.
Furnace. N. I. Ivanovsky. 1,565,370; Dec. 15.
Furnace. W. F. Massey. 1,566,224; Dec. 15.
Furnace resistor mounting. A. D. Keene. 1,565,466; Dec. 15.
Furnaces, Device for eliminating smoke in boiler. C. P. Johnson. 1,565,463; Dec. 15.
Fuse. E. L. Ogle. 1,565,753; Dec. 15.
Fuse for electric machines and apparatus, Automatic excess-heat. W. Hickel and O. Pletscher, jr. 1,565,644; Dec. 15.
Game. C. F. Waite. 1,565,607; Dec. 15.
Game apparatus. M. Tatosian. 1,565,525; Dec. 15.
Game or puzzle. H. A. Schulke. 1,565,403; Dec. 15.
Game, Table. E. F. Wilkinson. 1,566,057; Dec. 15.
Garage. W. F. Comb. 1,565,907; Dec. 15.
Garment. E. C. McKeefrey. 1,566,109; Dec. 15.
Garment, Maternity. L. E. Levy. 1,565,808; Dec. 15.
Garment supporter. C. A. Greene. 1,566,206; Dec. 15.
Garment wrapping and hanging form. B. Cahn. 1,565,621; Dec. 15.
Gas appliance. J. E. Willis. 1,565,881; Dec. 15.
Gas cut-off, Automatic. F. Dzierlenga. 1,565,800; Dec. 15.
Gases in liquids, Apparatus for the absorption of. H. Howard. 1,565,366; Dec. 15.
Gasket. P. J. Fitzgerald. 1,565,918; Dec. 15.
Gaskets, Protective casing for. H. Chrisman. 1,565,793; Dec. 15.
Gasoline from natural gas, Recovery of. H. A. Mossor. 1,565,749; Dec. 15.
Gauge: *See*—
Engine-valve-setting gauge. Retard gauge.
Gauge. E. L. Mills. 1,566,225; Dec. 15.
Gauging device. W. H. Wineman. 1,565,838; Dec. 15.
Gear, Draft. H. C. Priebe. 1,565,955; Dec. 15.
Gear for motor vehicles, Running. E. W. Templin. 1,565,526; Dec. 15.
Gears, Mounting for brake. S. J. Strid. 1,565,870; Dec. 15.
Gears, Pump construction for hydraulic transmission. E. Schaeren. 1,565,401; Dec. 15.
Generator-commutator cleaner. H. P. Norton. 1,566,164; Dec. 15.
Glass: *See*—
Sheet glass.
Glass, Apparatus for drawing sheet. H. G. Slingluff. 1,565,821; Dec. 15.
Glass bars, rods, tubes, bottle necks, and the like, Machine for making and finishing. V. Durand, jr. 1,565,849; Dec. 15.
Glass-drawing furnace, Sheet-. G. Brasseur and A. Andris. 1,566,181; Dec. 15.
Glass-drawing machines, Breaking and transferring mechanism for sheet-. T. B. Campbell, jr. 1,565,710; Dec. 15.
Glass in drawing operations, Method of and apparatus for handling cane. C. A. Smith. 1,566,252; Dec. 15.
Goblet. L. Cruvellher. Des. 69,011; Dec. 15.
Golf balls and similar articles, Device for cleaning. E. J. Byrne. 1,565,414; Dec. 15.
Grain shocker. H. C. Otteson. 1,566,039; Dec. 15.
Grain sprouter. H. Appel. 1,565,701; Dec. 15.
Grain-stooking machine. J. K. Lambert. 1,566,144; Dec. 15.
Grease reservoir, Even-feed. L. R. Sirois. 1,565,818; Dec. 15.
Grinder roll. O. Aram. 1,565,842; Dec. 15.
Grommet making and setting machine. J. L. Stuart. 1,565,528; Dec. 15.
Gun, Automatic. H. M. Rockwell. 1,565,756; Dec. 15.
Gun, Electromagnetic. A. B. Blaustein. 1,565,895; Dec. 15.
Gun turrets, Ammunition-supply apparatus for. T. H. Webster. 1,565,837; Dec. 15.
Gun turrets in which two or more guns are mounted, Ammunition-supply apparatus for. T. H. Webster. 1,565,836; Dec. 15.
Gypsum from anhydrite, Manufacturing. M. Farnsworth. 1,566,186; Dec. 15.
Hairdressing device. C. F. Porter. 1,565,588; Dec. 15.
Hammer. M. Nichols. 1,565,668; Dec. 15.
Hammer, Drop. A. V. Da Costa. 1,565,262; Dec. 15.
Hammock, Couch. G. F. Sisbower and L. E. Pittoni. 1,566,044; Dec. 15.
Hamper. F. D. Lander, jr. 1,566,262; Dec. 15.
Handle: *See*—
D handle. Tool handle.
Throttle handle.
Hanger: *See*—
Bar hanger.
Headrest. A. J. Schumacher. 1,565,514; Dec. 15.
Headlight. J. M. B. Lewis. 1,565,946; Dec. 15.
Headlight, Automobile. E. H. Lukenbill. 1,565,860; Dec. 15.
Headlight lens. F. H. Ford. 1,565,433; Dec. 15.
Headlights, Operating mechanism for dirigible. G. Cook. 1,566,074; Dec. 15.
Heater: *See*—
Electric space heater. Water heater.
Exothermic heater.
Heel. W. W. Hunt. 1,565,941; Dec. 15.
Heel attachment. B. Noël. 1,565,290; Dec. 15.
Heel for boots and shoes. E.-K. Thordarson. 1,566,129; Dec. 15.
Heel protector. L. S. Lamb. 1,566,106; Dec. 15.
Heel, Rubber. J. W. Aymar, jr. 1,565,978; Dec. 15.
Hinge. A. Skurdal. 1,566,236; Dec. 15.
Hinge. T. De Stefani. 1,565,848; Dec. 15.
Hoist and conveyer. A. P. Hoisington. 1,565,454; Dec. 15.
Hoisting apparatus, Batch-box-. E. L. Tranaas. 1,565,688; Dec. 15.
Honey, Heating. A. G. Kuykendall. 1,565,471; Dec. 15.
Hook: *See*—
Lacing hook. Snap hook.
Hose Coupling. P. H. Henkel. 1,565,275; Dec. 15.
Hot-tin lifter. F. A. Seward. 1,566,234; Dec. 15.
Hydrocarbons, Apparatus for cracking. F. G. Niece. 1,565,327; Dec. 15.
Hydrocarbons, Cracking. F. G. Niece. 1,565,326; Dec. 15.
Hydrogen sulphide gas, Manufacturing. E. Bindschedler and E. W. Rugeley. 1,565,894; Dec. 15.
Ice-cream-cone server. A. M. Phillips. 1,565,952; Dec. 15.
Incinerating refuse. H. L. Cowles. 1,565,549; Dec. 15.
Inclinable stand. C. J. Andrae. 1,565,301; Dec. 15.
Indicator: *See*—
Pressure indicator.
Ingot molds, Treating. W. H. Ramage. 1,565,755; Dec. 15.
Instep and arch support, Combined. H. J. Collis. 1,565,259; Dec. 15.
Instrument structure. R. T. Pierce. 1,565,391; Dec. 15.
Insulating structure for high-potential condensers. W. Dubilier. 1,565,799; Dec. 15.
Insulating stud. L. E. Underwood. 1,566,132; Dec. 15.
Interlocking device. E. K. Read. 1,565,498; Dec. 15.
Internal-combustion engine. J. B. Ellis. 1,565,352; Dec. 15.
Internal-combustion engine, Rotary. J. F. Higbee. 1,565,449; Dec. 15.
Iron scrap, Detinning of tinned-. H. Davies and M. A. Adam. 1,565,425; Dec. 15.
Iron stand. C. C. Shinp. 1,565,295; Dec. 15.
Ironing-board cover. S. F. Kohn. 1,565,373; Dec. 15.
Ironing machine. E. Gruenfeldt. 1,565,822; Dec. 15.
Ironing machine. T. E. Hunt. 1,565,368; Dec. 15.
Ironing machine. W. A. Zeidler. 1,565,348; Dec. 15.
Irons, Safety switch for electric. T. A. Reid. 1,565,499; Dec. 15.
Irrigator. C. E. Ziegler. 1,566,061; Dec. 15.
Jack: *See*—
Lifting jack. Screw jack.
Nozzle jack.
Joint: *See*—
Railway-rail joint.
Key holder. A. J. Forrest. 1,566,192; Dec. 15.
Kilns, Pipe system for. P. M. Williams. 1,566,248; Dec. 15.
Knife sharpener. G. Jones. 1,566,140; Dec. 15.
Lace. E. Meda. Des. 69,043; Dec. 15.
Lace, Embroidered. E. Meda. Des. 69,041–2; Dec. 15.
Lace, Embroidered. E. A. D. Press. Des. 69,052–4; Dec. 15.
Lachrymating gases, Composition for producing. D. B. Bradner. 1,565,899; Dec. 15.

Lacing hook. F. A. Herrick. 1,566,001; Dec. 15.
Lamp, Auto hood. M. L. Little. 1,565,660; Dec. 15.
Lamp base. W. Block. Des. 69,009; Dec. 15.
Lamp, Electric. C. F. Mulvihill. Des. 69,044; Dec. 15.
Lamp, Electric gas. E. L. Harrington. 1,565,565; Dec. 15.
Lamp fixture, Swivel. G. Lilly. 1,566,220; Dec. 15.
Lamp shades or similar articles, Frame for. N. Lipsky. Des. 69,039; Dec. 15.
Lamp standards, Head for street-. C. Hansen. Des. 69,018; Dec. 15.
Lamp, Table. M. Klein. Des. 69,038; Dec. 15.
Lamps, Introducing getter materials into incandescent. D. MacRae. 1,565,579; Dec. 15.
Lamps, Introducing potassium or other vapors in. A. M. Hageman. 1,565,564; Dec. 15.
Lamps on motor vehicles, Support for tail. H. Tucker. 1,566,131; Dec. 15.
Lath board. S. M. Ford. 1,565,921; Dec. 15.
Latch, Rural-mail-box. A. J. Green. 1,565,561; Dec. 15.
Lathe tool. F. J. Leggott. 1,565,656; Dec. 15.
Laundered articles, Apparatus for stretching and drying. A. O. Schramm. 1,565,512–13; Dec. 15.
Laundry machine. N. I. Perry. 1,565,950; Dec. 15.
Lead, Refining. P. W. Davis. 1,566,078; Dec. 15.
Leggings, Machine for shaping leather. G. Höppner. 1,565,276; Dec. 15.
Lens and treating the same, Glass. W. Rundquist. 1,566,127; Dec. 15.
Lens block. H. W. Hill. 1,566,003; Dec. 15.
Lens-drilling machine. E. W. Clarke. Re16,227; Dec. 15.
Lens-retaining member. N. M. Baker. 1,565,890; Dec. 15.
Lenses and in apparatus therefor, Manufacture of. F. Twyman and A. Green. 1,565,533; Dec. 15.
Lenses, Making. H. W. Hill and E. D. Tillyer. 1,566,051; Dec. 15.
Leveling apparatus. J. J. Tyler. 1,566,174; Dec. 15.
License holder, Automobile. P. F. Petersen and W. W. Kathan. 1,566,167; Dec. 15.
Lifter: *See*—
Hot-tin lifter.
Lifting jack. J. M. White. 1,565,878; Dec. 15.
Light: *See*—
Locomotive light. Port light.
Light deflector. I. M. Reed. 1,566,119; Dec. 15.
Light-focusing apparatus. C. A. B. Halvorsen, jr. 1,566,260; Dec. 15.
Light, Method of and apparatus for projecting cool. M. J. Ritterrath. 1,565,590; Dec. 15.
Lighting fixture. W. T. Blackwell. 1,565,408; Dec. 15.
Lighting fixture. E. J. Dietzmann. Des. 69,015; Dec. 15.
Lighting fixture. P. M. Hotchkin. 1,565,277; Dec. 15.
Lighting fixture. M. Klein. Des. 69,021; Dec. 15.
Lighting fixture. M. Klein. Des. 69,023; Dec. 15.
Lighting fixture. M. Klein. Des. 69,036; Dec. 15.
Lighting-fixture bracket. M. Klein. Des. 69,025; Dec. 15.
Lighting-fixture bracket. M. Klein. Des. 69,027; Dec. 15.
Lighting-fixture bracket. M. Klein. Des. 69,029; Dec. 15.
Lighting-fixture bracket. M. Klein. Des. 69,031; Dec. 15.
Lighting-fixture bracket. M. Klein. Des. 69,033–4; Dec. 15.
Lighting-fixture part. M. Pilny. Des. 69,048–9; Dec. 15.
Lighting fixtures, Arms for. M. Pilny. Des. 69,051; Dec. 15.
Lighting fixtures, Backplate for. M. Klein. Des. 69,026; Dec. 15.
Lighting fixtures, Backplate for. M. Klein. Des. 69,028; Dec. 15.
Lighting fixtures, Backplate for. M. Klein. Des. 69,030; Dec. 15.
Lighting fixtures, Backplate for. M. Klein. Des. 69,032; Dec. 15.
Lighting fixtures, Bobeche for. M. Klein. Des. 69,024; Dec. 15.
Lighting fixtures, Bracket for. W. Jaeger. Des. 69,020; Dec. 15.
Lighting fixtures, Canopy for. M. Pilny. Des. 69,050; Dec. 15.
Lighting fixtures, Segmental portion for. M. Klein. Des. 69,022; Dec. 15.
Lighting fixtures, Spindle for. W. Block. Des. 69,008; Dec. 15.
Liquid-feed system. E. R. Huntley. 1,565,461; Dec. 15.
Liquid-fuel burner. J. W. Flynn. 1,565,432; Dec. 15.
Liquid-fuel-burner mechanism, Automatic controlled. A. Robitaille. 1,566,123; Dec. 15.
Liquids, Displaying. L. R. Johnson. 1,566,015; Dec. 15.
Lithographed plate and making same, Etched. F. H. Moore. 1,565,583; Dec. 15.
Lock: *See*—
Bedpost lock.
Nut lock.
Pin-tumbler lock.
Switch-stand lock.
Tire lock.
Transmission lock.
Vehicle lock.
Load-regulator system. C. A. Boddie. 1,565,411; Dec. 15.
Loading and unloading device. R. C. Fraza. 1,565,726; Dec. 15.
Loading apparatus. G. A. Flebotte. 1,565,919; Dec. 15.
Loading apparatus. J. W. Morrison. 1,565,811; Dec. 15.
Loading device. P. V. Collanni. 1,565,418; Dec. 15.
Loading machine. P. Thibaudeau. 1,565,829; Dec. 15.
Lock. N. B. Hurd. 1,566,013; Dec. 15.
Locks, Door-fastener attachment for. A. Postal. 1,565,292; Dec. 15.
Locks, Safety device for. G. Komarcsevits and F. G. Nunn. 1,566,021; Dec. 15.
Locomotive comprising booster engine or motor, Steam or other. H. N. Gresley. 1,565,641; Dec. 15.
Locomotive driving boxes, Lateral-motion device for. J. G. Blunt. 1,565,781; Dec. 15.
Locomotive light. C. W. Dake. 1,565,308; Dec. 15.
Locomotive transformer. A. W. Thompson. 1,565,531; Dec. 15.
Locomotives, Method of and apparatus for controlling back pressure and draft in. D. M. Lewis. 1,565,858; Dec. 15.
Loom clamp. M. Larson. 1,566,145; Dec. 15.
Looms, Combined warp and weft stop mechanism for. H. Hoeber. 1,566,249; Dec. 15.
Looms, Feeler mechanism for. G. H. Willard. 1,566,258; Looms, Shuttle-changing mechanism for. M. Auerbach. 1,566,136; Dec. 15.
Loud speaker, Junior. D. A. Whitson. 1,565,974; Dec. 15.
Loud-speaking receiver. W. J. Beach. 1,566,065; Dec. 15.
Lowering device. O. T. Hoberg. 1,566,213; Dec. 15.
Lubricant retainer. D. A. Hewitt. 1,565,448; Dec. 15.
Lubricating apparatus. O. Zerk. 1,565,349; Dec. 15.
Luggage guard. R. C. G. Staats-Oels. 1,566,048; Dec. 15.
Mail box, Rural. M. M. Brower. 1,565,706; Dec. 15.
Mail elevator. D. A. Doran. 1,565,311–12; Dec. 15.
Maize, Implement or machine for harvesting. D. J. du Plessis. 1,565,315; Dec. 15.
Maps, Making. A. Brock, jr., and L. J. R. Holst. 1,565,413; Dec. 15.
Matte finish, Producing. W. R. Whitney. 1,566,241; Dec. 15.
Measured volumes of liquid, Apparatus for delivering. J. R. S. Hawker, A. H. Hayes, and H. W., R. V., and I. C. V. Smith. 1,566,210; Dec. 15.
Measuring device. H. H. Rudd and A. P. Bender. 1,565,504; Dec. 15.
Melangeurs, Emptying device for. R. Savy. 1,565,331; Dec. 15.
Menu card and bill, Combined. E. Josephy. 1,566,019; Metal strips, Machine for cutting. W. F. Dugins. 1,566,082; Dec. 15.
Meter: *See*—
Flow meter. Thermionic meter.
Metals, Making and combining corrode-resisting. C. W. Pfeil. 1,565,496; Dec. 15.
Milling machine. H. W. Melling. 1,565,948; Dec. 15.
Mills, Agitator for gyratory. W. T. McNinch. 1,565,281; Dec. 15.
Mirror. L. E. Pearch. 1,565,291; Dec. 15.
Mirror or similar toilet article. W. S. Bechtold. Des. 69,005–6; Dec. 15.
Moistener. J. Bachrach. 1,565,979; Dec. 15.
Mold: *See*—
Tire mold.
Motion-controlling mechanism. J. W. Watson. 1,565,833–5; Dec. 15.
Motor: *See*—
Fluid-pressure motor. Washing-machine motor.
Portable motor.
Motor-control system. E. M. Bouton. 1,565,412; Dec. 15.
Motor starter and circuit controller. A. W. Burke. 1,565,546; Dec. 15.
Motor starting and overload switch, Induction. A. R. Goldrick. 1,565,638; Dec. 15.
Motor-starting switch. R. K. Mason. 1,566,155–6; Dec. 15.
Motors, Regulating. J. Herman. 1,565,325; Dec. 15.
Mounting, Engine. E. H. Van Valkenberg. 1,565,690; Dec. 15.
Moving objects, Examining rapidly. R. H. Rogers. 1,566,124; Dec. 15.
Music-leaf turner. J. P. Plamondon. 1,565,814. Dec. 15.
Music-roll spindle. S. L. Fisher. 1,565,633; Dec. 15.
Musical instrument. H. Hass. 1,565,439; Dec. 15.
Musical-instrument elevator. F. F. Manor. 1,566,223; Dec. 15.
Musical-instrument rack. T. Kay. 1,565,464; Dec. 15.
Musical instruments, Illuminating attachment for. H. A. Giller. 1,566,202; Dec. 15.
Nail-uprighting device. V. Paganini. 1,565,386; Dec. 15.
Neutralizing set. E. D. Tillyer and H. W. Hill. 1,566,050; Dec. 15.
Newspaper holder. E. P. Chalfant. 1,565,791; Dec. 15.
Nozzle. H. B. March. 1,565,380; Dec. 15.
Nozzle for filters. J. E. Williamson. 1,566,058; Dec. 15.
Nozzle jack. T. B. Schreiter. 1,566,232; Dec. 15.
Nut-castellating machine. M. E. Noyes. 1,565,586; Dec. 15.
Nut-cracking machine. R. E. Woodson. 1,565,610; Dec. 15.
Nut lock. P. I. Bible. 1,565,250; Dec. 15.
Nut lock. M. W. Webster. 1,565,609; Dec. 15.
Nuts to bolts, Machine for applying. H. Thomas. 1,565,685; Dec. 15.
Oil burner. L. E. French. 1,565,996; Dec. 15.
Oil-gas apparatus. L. Blanchet. 1,565,409; Dec. 15.
Oil-level-indicating device. J. F. Chappell. 1,566,182; Dec. 15.





Oil or petroleum, Treating crude. C. G. Hinrichs. 1,566,008; Dec. 15.
Oil-packing washer. R. L. Hays. 1,565,643; Dec. 15.
Oil-salvage device. W. H. Johnson. 1,566,098; Dec. 15.
Oil storage, Constructing. E. Mallery. 1,566,110; Dec. 15.
Oils, Manufacturing lubricating. R. W. Hanna, O. E. Cushman, and T. W. Doell. 1,566,000; Dec. 15.
Optical instrument. D. Staley. 1,565,823; Dec. 15.
Ores containing other metals, Treatment of iron sulphide. A. T. K. Estelle. 1,565,353; Dec. 15.
Ores, Treating. W. R. Van Slyke. 1,565,689; Dec. 15.
Oven, Toasting. T. O. Brooks. 1,565,784; Dec. 15.
Package-binding implement. V. Ragona. 1,565,865; Dec. 15.
Pad: *See*—
Crutch pad. Upholstery pad.
Paper clip. F. H. Robinson, jr. 1,565,501; Dec. 15.
Paper fastener. C. D. King. 1,566,020; Dec. 15.
Paper, Marking or branding of carbon. H. W. A. Dixon. 1,565,310; Dec. 15.
Paper tubes, Method and machine for making. P. Gangler. 1,565,635; Dec. 15.
Paper weight and inkwell, Combined. F. T. Cortese. Des. 69,010; Dec. 15.
Paste-dispensing device, Sanitary. W. B. Foster and T. E. Manning. 1,566,193; Dec. 15.
Pattern mechanism, Drop weight for. E. R. Holmes. 1,565,568; Dec. 15.
Pavement or roadway and constructing the same, Composite. C. M. Strahan. 1,565,682; Dec. 15.
Paving, Bituminous composition for. G. Cobb. 1,565,258; Dec. 15.
Pedal, Accelerator. F. W. Ives. 1,566,094; Dec. 15.
Penetrometer. F. Rodier. 1,565,502; Dec. 15.
Perambulator or baby carriage. W. H. Dunkley. 1,565,719; Dec. 15.
Perfume holder. G. Borneman. 1,565,983; Dec. 15.
Perfume smelling like amber, Manufacturing a. A Corti. 1,565,796; Dec. 15.
Petroleum, Treating. C. G. Hinrichs. 1,566,009; Dec. 15.
Phase-splitting system. C. L. Fortescue. 1,565,434; Dec. 15.
Photograph mounting. J. A. Bill and C. L. Lewis. Des. 69,007; Dec. 15.
Photographic copies by means of phosphorescent substances, Producing. J. H. Christensen. 1,565,256; Dec. 15.
Photographic prints, Method and apparatus for finishing. E. J. Hoffman. 1,565,451; Dec. 15.
Piano cases, Machine for trimming grand-. J. Klepac and L. Matirko. 1,565,573; Dec. 15.
Pianos, Actuating player. C. H. Hanson. 1,565,932; Dec. 15.
Picture machine, Motion-. A. Goretta. 1,566,087; Dec. 15.
Pin: *See*—
Safety and like pin.
Pin-tumbler lock. J. A. Fremon. 1,565,556–8; Dec. 15.
Pipe: *See*—
Shower pipe.
Pipe covering. A. L. Bystrom. 1,565,254; Dec. 15.
Pipe spider. B. F. Hiniker. 1,566,006; Dec. 15.
Piston. T. E. Braley. 1,565,900; Dec. 15.
Piston and piston ring. F. A. Litter. 1,565,859; Dec. 15.
Piston rings, Making. J. B. Wenzel. 1,565,299; Dec. 15.
Planter, Seed. J. L. Fifer. 1,566,187; Dec. 15.
Plaster-board-drying apparatus. H. B. Brockenbrough. 1,565,984; Dec. 15.
Plastic material, Method and apparatus for reducing adhesiveness of. A. Walezak. 1,565,535; Dec. 15.
Plastic material, Method of and apparatus for decorating articles of. J. E. Miller. 1,566,158; Dec. 15.
Pneumatic cleaner. D. B. Replogle. Re16,224; Dec. 15.
Pneumatic resilient tube, a plastic composition combined therewith, and process of manufacture. A. J. Ostberg. 1,565,813; Dec. 15.
Polishing device. H. C. H. Walsh, jr. 1,565,608; Dec. 15.
Polishing wheel. D. F. McGovern. 1,565,746; Dec. 15.
Pony bull wheel. W. S. Estes. 1,565,720; Dec. 15.
Porous mass and preparing the same. A. B. Ray. 1,565,328; Dec. 15.
Port light. H. B. Hills. 1,565,645; Dec. 15.
Portable motor. N. E. Woods. 1,565,976; Dec. 15.
Post: *See*—
Fencepost.
Potato diggers, Attachment for. D. H. Schlaegel. 1,566,231; Dec. 15.
Pounce block, Draftman's. F. Philp. 1,565,670; Dec. 15.
Power-operating mechanism, Controlling device for. A. Bates. 1,565,248; Dec. 15.
Power, Transmission of. M. B. Saunders. 1,565,820; Dec. 15.
Power-transmitting mechanism. W. J. Lutton. 1,566,027; Dec. 15.
Precious stone and producing the same, Synthetically-made. D. Bertolini. 1,565,777; Dec. 15.
Press: *See*—
Printing press.
Press. A. R. Benedict. 1,565,776; Dec. 15.
Presses, Feeding and delivering mechanism for platen. P. Kaufmann. 1,566,142; Dec. 15.
Presses, Inking mechanism for. F. S. English. 1,565,317; Dec. 15.
Pressing-iron support. E. N. Simmons. 1,566,043; Dec. 15.
Pressure gauges, Dampening device for. O. W. Heise. 1,565,447; Dec. 15.
Pressure indicator. G. Dailey. 1,565,423; Dec. 15.
Printing plates for use in the bichromate printing process, Production of celluloid. H. Renck. 1,565,815; Dec. 15.
Printing press, High-speed cylinder. O. Finkhaus. 1,566,188; Dec. 15.
Printing-press rollers, Cutting machine for. C. M. Earley. 1,566,184; Dec. 15.
Printing presses, Inking mechanism of. O. Finkhaus. 1,566,189; Dec. 15.
Propeller. L. Kramer. 1,565,374; Dec. 15.
Pulley. R. J. Stokes. 1,566,172; Dec. 15.
Pulleys or belt wheels, Supplemental rim for power. F. P. Kobert. 1,566,469; Dec. 15.
Pump. N. E. Brigham. 1,565,620; Dec. 15.
Pump. L. B. Green. 1,565,640; Dec. 15.
Pump. M. B. Saunders. 1,565,819; Dec. 15.
Pump and pumping system. B. S. Aikman. 1,565,886; Dec. 15.
Pump, Oil. J. R. Trautner. 1,565,872; Dec. 15.
Pump, Pneumatic. B. S. Aikman. 1,565,885; Dec. 15.
Pump, Rotary. E. W. Hartman. 1,565,324; Dec. 15.
Pump, Rotary. J. R. Kinney. 1,565,572; Dec. 15.
Pump, Rotary. T. C. Whitehead. 1,565,696; Dec. 15.
Pump, Suction. B. S. Aikman. 1,565,884; Dec. 15.
Puzzle, Pyramid. F. W. Brandt. 1,565,901; Dec. 15.
Rack: *See*—
Musical-instrument rack.
Radiator shutter. R. J. Jones. 1,566,141; Dec. 15.
Radiator, Transformer. W. M. Dann. 1,565,424; Dec. 15.
Radiator vent and alarm device. H. C. Heaton. 1,565,567; Dec. 15.
Radiators, Housing construction for steam. C. C. Shipp. 1,565,294; Dec. 15.
Radioactive substance, Apparatus for applying curative treatment with a. A. Muguet. 1,565,490; Dec. 15.
Radiophone plug. C. W. Denny and W. E. McLaughlin. 1,565,263; Dec. 15.
Radiophone system. E. E. Clement. Re16,231; Dec. 15.
Radio telephone system. Q. A. Brackett. 1,566,245; Dec. 15.
Radio transmission system. R. Bown. 1,565,544; Dec. 15.
Radiotransmitter. D. G. Little. 1,565,478; Dec. 15.
Radiotransmitter. F. M. Ryan. 1,565,505; Dec. 15.
Radius-rod assemblage. L. H. Griggs. 1,566,207; Dec. 15.
Rail anchor. D. F. Vaughan. 1,565,534; Dec. 15.
Railway-rail joint. S. E. Brown. 1,565,903; Dec. 15.
Railway-rail joint. R. A. Thomann and J. A. Hyle. 1,565,871; Dec. 15.
Railway rolling stock, Truck for. C. W. Todd. 1,565,761; Dec. 15.
Railway-traffic-controlling apparatus. R. A. McCann. 1,566,150; Dec. 15.
Railway-traffic-controlling apparatus. C. H. Zierdt. 1,565,768; Dec. 15.
Railway pavement and making it. M. F. Bramley. 1,566,246; Dec. 15.
Ratchet mechanism. W. R. Lee. 1,565,473; Dec. 15.
Razor blades, Honing and stropping device for safety-. W. B. McFarlane. 1,566,152; Dec. 15.
Razor, Safety. W. L. Silverwood. 1,565,680; Dec. 15.
Razor, Self-setting safety. R. Bolzard. 1,565,704; Dec. 15.
Reamer. A. E. Carlson. 1,565,788; Dec. 15.
Reaming machine. J. Burgh. 1,565,709; Dec. 15.
Record container or cabinet, Disk. H. D. Fitzpatrick. 1,565,993; Dec. 15.
Records, Arrangement on talking apparatus for the reception and reproduction of. K. H. Smith. 1,565,968; Dec. 15.
Records, Reproducer for lateral-cut. C. E. Sample, jr. 1,565,335; Dec. 15.
Reel: *See*—
Fishing reel.
Refrigerating apparatus. C. C. Spreen. 1,566,255; Dec. 15.
Refrigeration. B. H. Coffey. 1,565,795; Dec. 15.
Refrigerator tank, Portable. C. B. Longstreth. 1,565,744; Dec. 15.
Registering and squaring machine. V. Royle. 1,565,962; Dec. 15.
Registering device. E. Josephy. 1,566,018; Dec. 15.
Regulator: *See*—
Stoker regulator.
Relay. C. A. Boddie. 1,565,410; Dec. 15.
Repeater circuits, Two-way. H. D. Arnold. 1,565,302; Dec. 15.
Retard gauge. E. B. Crocker. 1,565,551; Dec. 15.
Retard gauge. O. W. Heise. 1,565,445–6; Dec. 15.
Rim tool. W. Frick and F. Klima. 1,565,357; Dec. 15.
Ring: *See*—
Finger ring.
Roach exterminator. T. Gaskins, jr. 1,566,199; Dec. 15.
Road-finishing machine. E. H. Lichtenberg. 1,565,657; Dec. 15.

Road-sign, Two-way. S. L. Jones and S. L. Dennison. 1,566,214; Dec. 15.
Rocker attachment. H. Michaelson. 1,566,157; Dec. 15.
Rod: *See*—
Connecting rod. Curtain rod.
Roller: *See*—
Shade roller.
Root crops, Machine for topping. J. Cervinka. 1,565,711; Dec. 15.
Routing machine, Portable. R. L. Carter. 1,565,790; Dec. 15.
Rubber compound and method of manufacture. A. L. Freedlander and W. G. Goodwin. 1,565,995; Dec. 15.
Rules, Holder for plumb. J. Lundstrom. 1,565,663; Dec. 15.
Rust, Removing. W. E. Wandel. 1,565,536; Dec. 15.
Saddle, Top-roll. E. Dixon. 1,565,553; Dec. 15.
Safety and like pin. O. E. Richardson. 1,565,397; Dec. 15.
Sagger. L. C. Buckley. 1,566,070; Dec. 15.
Sand-mixing apparatus. H. L. Wadsworth. 1,566,133; Dec. 15.
Saw, Collapsible hack. E. W. McIntire. 1,565,861; Dec. 15.
Saw-filing clamp. J. Szako. 1,565,828; Dec. 15.
Saw swage. J. E. Hill. 1,565,940; Dec. 15.
Saws, Machine for setting and filing. E. L. Root. 1,565,675; Dec. 15.
Sawing machine. M. C. L. G. Fleischel and E. L. F. M. Pironneau. 1,566,191; Dec. 15.
Sawing machine, Stone-block-. N. T. Hashim. 1,565,444; Dec. 15.
Scaffold bracket. A. McLaren. 1,565,483; Dec. 15.
Scaffold horse. W. J. Spurr. 1,566,171; Dec. 15.
Scale loop. A. Bousfield. 1,565,251; Dec. 15.
Scissors and the like, Manufacturing. O. Treiber. 1,565,340; Dec. 15.
Scraping machine. E. M. Nichols. 1,565,752; Dec. 15.
Screen. A. L. Adrianson and A. L. Bengtson. 1,565,883; Dec. 15.
Screen. A. L. Adrianson and A. L. Bengtson. 1,565,892; Dec. 15.
Screw jack. H. H. Jones. 1,565,805; Dec. 15.
Seaming tool, Sheet-metal-. H. Rosenberg. 1,566,125; Dec. 15.
Seat cover, Sanitary toilet-. E. F. Clark. 1,565,257; Dec. 15.
Sectional brake lining. C. Anderson. 1,565,240; Dec. 15.
Selective mechanism. E. E. Kleinschmidt. 1,565,468; Dec. 15.
Separator: *See*—
Centrifugal separator. Cream separator.
Separator. E. F. Fisher. 1,565,318; Dec. 15.
Sewing machine. J. M. Merow. 1,565,665; Dec. 15.
Sewing machine, Buttonhole-. E. B. Allen. 1,565,241; Dec. 15.
Sewing-machine container. C. E. Reddig. 1,565,395; Dec. 15.
Sewing machines, Safety device for electric. M. Hemleb. 1,565,362; Dec. 15.
Shackle, Flexible. C. E. Burnett. 1,566,071; Dec. 15.
Shade. M. O. Sutter. 1,565,973; Dec. 15.
Shade cloth, Frame for stretching. L. B. Girard. 1,565,731; Dec. 15.
Shade roller. R. T. Hendricks and W. C. Patterson. 1,566,248; Dec. 15.
Shade, Window. S. S. Levy. 1,565,576; Dec. 15.
Shaft-action-signal device. F. M. Baldwin and G. A. Burgess. 1,565,982; Dec. 15.
Sheaf shocker. F. J. Thody. 1,565,528; Dec. 15.
Sheet-feeding device. D. Neihart. 1,566,163; Dec. 15.
Sheet folder, Rotary. P. J. Christman, jr., and J. De Loye. 1,566,079; Dec. 15.
Sheet glass, Drawing. J. C. Blair. 1,565,307; Dec. 15.
Sheet glass, Drawing. J. C. Henderson. 1,565,368–4; Dec. 15.
Sheet glass, Forming. A. E. Fowle. 1,565,319; Dec. 15.
Sheet material, Apparatus for drying. I. D. Patterson. 1,565,494; Dec. 15.
Shell liner, Jordan. W. Werner. 1,565,877; Dec. 15.
Shipping cases, Assembling fiber. H. R. Bliss. 1,565,618; Dec. 15.
Shipping drum. H. E. McCrery and A. E. Jesser. 1,565,809; Dec. 15.
Shock absorber. Z. Almesan. 1,565,770; Dec. 15.
Shock absorber. L. W. Callender. 1,565,905; Dec. 15.
Shoe, Exhibition. D. Perkins. 1,566,114; Dec. 15.
Shoe soles, Apparatus for locating shank stiffeners in. R. E. Bartels. 1,565,702; Dec. 15.
Shoes, Apparatus for locating shank stiffeners on shank pieces for turn. R. E. Bartels. 1,565,774; Dec. 15.
Shot-cutting machine. E. J. Barclay. 1,566,180; Dec. 15.
Shovel construction, Power-. I. Marks. 1,566,030; Dec 15.
Show case. J. W. Paullin. 1,565,388; Dec. 15.
Shower pipe. J. T. Murphy. 1,565,863; Dec. 15.
Shuttle. H. Pavia. 1,566,113; Dec. 15.
Signal: *See*—
Automobile signal. Vehicle signal.
Traffic signal.
Signal system. H. C. Snook. 1,565,596; Dec. 15.
Signaling key, High-speed. H. E. Hallborg and H. R. Miller. 7,565,360; Dec. 15.
Signaling system. J. C. Burkholder, jr. 1,565,904; Dec. 15.
Signaling system. H. P. Clausen. 1,565,625; Dec. 15.
Signaling system, Carrier-current multiplex. J. S. Stone. 1,565,522; Dec. 15.
Signaling system, Carrier-wave. J. W. Horton. 1,566,012; Dec. 15.
Signboard, Movable. M. C. Merker. 1,565,285; Dec. 15.
Silk, Dyeing. J. Seyer. 1,565,516; Dec. 15.
Silk piece goods and dyeing them, Washable black. J. Seyer. 1,565,515; Dec. 15.
Silks, Weighting. A. Pepper. 1,565,390; Dec. 15.
Silver, Container for table. W. Peacock. 1,565,389; Dec. 15.
Skins and pelts, Machine for removing burs and other entangled substances from. J. Frame. 1,565,268; Dec. 15.
Sled. R. A. Leslie. 1,565,945; Dec. 15.
Slicer, Bacon. A. C. Basse. 1,566,064; Dec. 15.
Slub catcher and yarn cleaner. L. B. Hasbrouck. 1,565,851; Dec. 15.
Smoking set. J. A. Honegger. 1,566,139; Dec. 15.
Smoking set. J. Vaghi. 1,566,175; Dec. 15.
Snap hook. L. B. Powers. 1,565,392; Dec. 15.
Snap, Locking chain. E. Severson. 1,565,678; Dec. 15.
Soap dispenser. C. Aussenhofer. 1,565,888; Dec. 15.
Solids and semisolids to chemical apparatus, Feeding. G. A. Berry. 1,565,249; Dec. 15.
Sound-propagating apparatus. J. E. Jenkins. 1,565,942; Dec. 15.
Sound reproducers, Making supports for. D. H. Moss. 1,566,162; Dec. 15.
Spacing machine. G. P. Thomas. 1,566,049; Dec. 15.
Spark gap, Mercury-vapor. P. Thomas. 1,565,530; Dec. 15.
Spark plug and coil connecter. P. Kohloff. 1,566,143; Dec. 15.
Spark plug and the like. J. B. Hawley, jr. 1,565,274; Dec. 15.
Spark plugs, Protective casing for reserve. W. Walter. 1,566,240; Dec. 15.
Spindle: *See*—
Music-roll spindle.
Spinning frames and like textile machinery, Spindle and rove stopping assembly for. G., N., and J. Fraser. 1,565,725; Dec. 15.
Spinning, twisting, and like frames, Doffing mechanism for. T. A., H. A., and J. Boyd. 1,565,783; Dec. 15.
Spray tower. H. R. Sausen. 1,565,593; Dec. 15.
Sprayer, Paint. W. G. Abbott, jr. 1,565,404; Dec. 15.
Spreader. A. Thoma. 1,565,830; Dec. 15.
Spreader, Straw. W. F. MacGregor. 1,565,379; Dec. 15.
Spreaders, Feeding mechanism for. S. S. Swanson. 1,565,601; Dec. 15.
Spring: *See*—
Vehicle spring.
Spring. C. A. Storck. 1,566,173; Dec. 15.
Spring attachment. L. Obrecht. 1,565,385; Dec. 15.
Spring suspension, Air-. R. Liebau. 1,565,658; Dec. 15.
Spring testing Apparatus for magnetic. T. Spooner. 1,565,510; Dec. 15.
Springs, Apparatus for compressing and assembling coil. L. R. Brundage. 1,566,068; Dec. 15.
Stair construction. J. S. Manton. 1,565,580; Dec. 15.
Stamps, Machine for labeling hand. J. Cooke. 1,565,419; Dec. 15.
Stand: *See*—
Barrel or keg stand. Inclinable stand.
Dress stand. Iron stand.
Staple extractor. E. Cantin. 1,565,415; Dec. 15.
Steam engine. W. H. Cotton. 1,566,075; Dec. 15.
Steam engine. C. R. Gibson. 1,566,201; Dec. 15.
Steam engine. G. W. and C. W. Soule. 1,566,170; Dec. 15.
Steam-generating plant. J. E. Bell. 1,565,305; Dec. 15.
Steam trap. J. E. Swendeman. 1,566,238; Dec. 15.
Steaming tube. P. Sartory. 1,565,511; Dec. 15.
Steel container. S. G. Long. 1,565,378; Dec. 15.
Steel digesters, Prevention of corrosion in. F. G. Rawling. 1,566,118; Dec. 15.
Steering device. A. A. Rietzke. Re16,228; Dec. 15.
Steering wheel for automobiles. P. M. Jensen. 1,565,803; Dec. 15.
Stoker regulator, Mechanical. C. G. King and E. Tubbs. 1,566,102; Dec. 15.
Stool, Barber's or dentist's. U. R. Moore. 1,566,161; Dec. 15.
Stool, Folding. C. Goetz. 1,565,636; Dec. 15.
Stoplight. A. E. Doniey. Des. 69,016; Dec. 15.
Store-front construction. F. and I. Himmel. 1,566,004–5; Dec. 15.
Stove, Hot-blast. G. E. Steudel. 1,565,971; Dec. 15.
Stoves, Attachment for the heating coils of electrical. W. T. Elmgren. 1,566,185; Dec. 15.
Stoves, Safety attachment for gas. W. Hans. 1,565,740; Dec. 15.
Strand or cord-working machine. C. G. Stoll. 1,565,868; Dec. 15.
Strand-twisting mechanism. H. R. Massingham. 1,565,862; Dec. 15.
Street-sweeping mechanism. E. C. Leach and E. M. Plett. 1,566,107; Dec. 15.
Sugar and for analogous purposes, Activating decolorizing char for use in refining. C. B. Davis. 1,565,911; Dec. 15.





Sulphates and the like, Reducing. A. H. White. 1,565,300; Dec. 15.
Supporter. I. Dodge. 1,565,429; Dec. 15.
Suspender strap and belt support. P. G. Johnson and C. W. Malmstrom. 1,566,016; Dec. 15.
Swab cup. C. S. Crickmer. 1,565,797; Dec. 15.
Sweeping attachment. J. M. Freeman. 1,566,194; Dec. 15.
Swimming apparatus. C. Verbsky. 1,565,606; Dec. 15.
Switch: *See*—
Motor-starting switch. Telephone switch.
Switch mechanism. H. G. Hoke. 1,565,455; Dec. 15.
Switch mechanism. H. K. Krantz. 1,565,470; Dec. 15.
Switch-stand lock. L. R. Shaffer. 1,565,679; Dec. 15.
Table: *See*—
Wall table.
Talking toy mechanism. F. Evans. 1,565,723; Dec. 15.
Tamping tool. W. C. Wolfe. 1,565,697; Dec. 15.
Tank: *See*—
Fish-washing tank. Refrigerator tank.
Tank. P. S. Graver. 1,565,924; Dec. 15.
Tank, Pressure fuel. W. H. Dunkerley. 1,565,915; Dec. 15.
Taping machine. F. S. Kochendorfer and M. E. Robinson. 1,565,652. Dec. 15.
Taximeters and the like, Indicating device for. W. G. Orth and G. H. Darst. 1,566,038; Dec. 15.
Telegraph exchange system, Printing-. G. S. Vernam and D. B. Perry. 1,565,343; Dec. 15.
Telegraph system. E. S. Sandberg. 1,565,507; Dec. 15.
Telegraphic messages, Duplex method of and apparatus for sending. E. S. Sandberg. 1,565,508; Dec. 15.
Telephone attachment. F. Hoban. 1,566,212; Dec. 15.
Telephone-exchange system. W. T. Powell. 1,565,954; Dec. 15.
Telephone switch. H. W. Goff. 1,565,637; Dec. 15.
Telephone system. H. M. Friendly. 1,565,269; Dec. 15.
Telephone system. H. M. Friendly. 1,565,727; Dec. 15.
Telephone transmitter. C. R. Moore. 1,565,531; Dec. 15.
Telephonic receiver or transmitter. F. J. Reichmann. 1,565,589; Dec. 15.
Temperature-controlling system. W. C. Dixon. 1,565,428; Dec. 15.
Tent support. F. Ames. 1,565,977; Dec. 15.
Testing device. J. McDonough. 1,565,577; Dec. 15.
Testing fixture. J. McDonough. 1,565,578; Dec. 15.
Thermionic meter. J. Mills. 1,566,034; Dec. 15.
Thermometer stand. H. Y. Norwood. Des. 69,046; Dec. 15.
Thermometers, Surface contact for electric resistance. E. H. Pasqué and A. B. Walker. 1,566,387; Dec. 15.
Throttle handle, Reversible. F. A. Jimerson. 1,566,096; Dec. 15.
Tile, Hollow. R. S. Requa. 1,565,959; Dec. 15.
Tin-plate-piling apparatus. S. C. Wise. 1,565,840; Dec. 15.
Tipple. J. Morrow. 1,565,949; Dec. 15.
Tire and rim construction. J. W. Macklin. 1,566,028–9; Dec. 15.
Tire bead and manufacturing the same, Metallic. F. H. Beyen. 1,565,616; Dec. 15.
Tire core, Collapsible. F. L. Johnson. 1,566,014; Dec. 15.
Tire-deflation signal apparatus. J. W. Tomlinson. 1,565,687; Dec. 15.
Tire-forming cord band, Weftless. J. A. McLane. 1,565,482; Dec. 15.
Tire lock. R. H. Butters and R. W. Starke. 1,565,253; Dec. 15.
Tire mold. A. R. Colvin. 1,566,259; Dec. 15.
Tire-repairing device. E. Hainke. 1,565,440; Dec. 15.
Tire-stripping machine. D. L. De Walt. 1,565,426; Dec. 15.
Tire-vulcanizing apparatus. C. A. Myers. 1,566,251; Dec. 15.
Tires, Cable bead for. F. H. Beyen. 1,565,617; Dec. 15.
Toilet article. G. R. Farrell. 1,565,354; Dec. 15.
Tonsil hemostat. D. McKay. 1,565,481; Dec. 15.
Tool coupling. C. S. Thomas. 1,565,529; Dec. 15.
Tool handle. W. H. Stevens. 1,565,599; Dec. 15.
Tool-handle-holding means. R. Ade. 1,565,611; Dec. 15.
Tool-holding device. N. E. Grandrau. 1,566,195; Dec. 15.
Toothbrush. S. Nathanson. 1,565,750; Dec. 15.
Toothbrush, Rotary. J. Lorraine and R. S. Haugh. 1,565,479; Dec. 15.
Toothbrushes and similar articles, Apparatus used for the sterilizing of. V. J. M. Thesée. 1,565,684; Dec. 15.
Torches, Support for oxyacetylene. J. H. Stevens and N. Cory. 1,565,824; Dec. 15.
Tourniquet. J. H. Sheehan. 1,566,235; Dec. 15.
Toy amusement device. J. Greife. 1,565,437–8; Dec. 15.
Toy hand car. J. N. Prisk. 1,565,957; Dec. 15.
Toy, Jumping figure. C. A. Diederichs. 1,565,716; Dec. 15.
Toy, Mechanical. L. S. Gunderman. 1,565,929; Dec. 15.
Track fastener. H. W. Rardain. 1,566,117; Dec. 15.
Track suspension, Monorail-. R. E. Neilen. 1,566,037; Dec. 15.
Traction wheel. L. E. Slauson. 1,565,757; Dec. 15.
Tractor. G. H. Scanlan. 1,566,230; Dec. 15.
Tractor drawbar structure. E. E. Waterman. 1,565,832; Dec. 15.
Tractor hitch. C. H. Halt. 1,565,999; Dec. 15.
Tractors, Saw attachment for. F. C. Dixon. 1,565,427; Dec. 15.
Traffic signal. J. H. Lynch. 1,566,149; Dec. 15.
Traffic signal, Automobile. W. H. Krumpelmann. 1,565,653; Dec. 15.
Train-control system. P. J. Simmen. 1,565,296; Dec. 15.
Trains, Next-stop-information signs in passenger. W. Berman. 1,565,703; Dec. 15.
Transfer means, Article-. W. N. Neidig. 1,565,584; Dec. 15.
Transformers, Making ventilating strips for. F. H. Tupper. 1,565,532; Dec. 15.
Translating device. R. V. L. Hartley. 1,565,566; Dec. 15.
Transmission lock. G. A. Gillen. 1,565,559; Dec. 15.
Transmission regulation. C. W. Green. 1,565,925; Dec. 15.
Transmission systems, Automatic volume regulation of. H. S. Hamilton. 1,565,441; Dec. 15.
Transmission systems, Automatic volume regulation of S. B. Wright. 1,565,540; Dec. 15.
Transmission, Volume control of. H. Nyquist. 1,565,491; Dec. 15.
Transparent material, Treatment of. C. E. Swett and W. E. Swift. 1,566,239; Dec. 15.
Trap: *See*—
Ant trap. Steam trap.
Trap and drain. L. von Dabrowski. 1,566,052; Dec. 15.
Tray, Serving. L. G. Monschke. 1,565,748; Dec. 15.
Tray structure. M. B. Solomon. 1,566,047; Dec. 15.
Tread, Safety. F. A. Schmidt. 1,566,042; Dec. 15.
Tree: *See*—
Display tree.
Trigger mechanism, Hand-. W. T. Gorton. 1,565,560; Dec. 15.
Trolley, Sliding. O. Moore. 1,565,487; Dec. 15.
Trolling spoon. F. S. Willson. 1,566,059; Dec. 15.
Trough, Sprinkling. J. Besson. 1,565,407; Dec. 15.
Truck dump body. I. Marks. 1,566,031; Dec. 15.
Trunk. R. M. Cooper. 1,565,260; Dec. 15.
Truss, Built-up. W. E. White. 1,565,879; Dec. 15.
Tube: *See*—
Steaming tube. Vacuum tube.
Tube-splicing device. R. W. Harty. 1,566,090; Dec. 15.
Tubing bleeder. E. D. Smyser. 1,565,518; Dec. 15.
Tubular bodies, Making. P. A. E. Armstrong. 1,565,771; Dec. 15.
Tuyère, Side-wall. C. F. Miller. 1,565,747; Dec. 15.
Tympano. C. H. Strupe. Re16,226; Dec. 15.
Typewriting machine. C. M. Crews. 1,565,550; Dec. 15.
Typewriting machine. E. B. Erikson. 1,565,554; Dec. 15.
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Typewriting machine. J. A. B. Smith. 1,565,867; Dec. 15.
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Typographical distributing machine. D. S. Kennedy. 1,566,101; Dec. 15.
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Vacuum cleaner. F. A. English and E. W. Wiehle. 1,565,917; Dec. 15.
Vacuum-cleaner device. S. McClatchie. 1,565,382; Dec. 15.
Vacuum-jacketed metallic, Receptacle. F. L. Lindemuth. 1,566,221; Dec. 15.
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Vacuum tube and operating the same. H. J. Van der Bijl. 1,565,873; Dec. 15.
Vacuum-tube manufacture. M. J. Kelly. 1,565,857; Dec. 15.
Vacuum-tube-stabilizing means. D. G. Little. 1,565,477; Dec. 15.
Valve. C. J. Coil. 1,565,987; Dec. 15.
Valve. R. McFarlan. 1,565,480; Dec. 15.
Valve. A. E. Melson. 1,565,485; Dec. 15.
Valve, Adjustable thermostat. W. Westerfield. 1,566,056; Dec. 15.
Valve, Check. W. A. Kee. 1,565,650; Dec. 15.
Valve, Dispensing. T. L. Titus. 1,565,686; Dec. 15.
Valve for compressors. C. H. Leinert. 1,566,108; Dec. 15.
Valve for fluid-pumping apparatus, Regulating. C. S. Lens and G. E. Jupp. 1,566,147; Dec. 15.
Valve-grinding machine. H. C. Wengel and J. B. Michael. 1,566,055; Dec. 15.
Valve, Piston. K. Schultz. 1,565,964; Dec. 15.
Valve-setting gauge, Engine. H. E. Forslund. 1,566,083; Dec. 15.
Valve, Tank-car. C. de R. Dosker. 1,565,913; Dec. 15.
Valve, Thermionic. W. R. Bullimore. 1,565,708; Dec. 15.
Vanity case. E. W. Bassett. 1,565,303; Dec. 15.
Vaporizer. T. B. Hogg. 1,565,452; Dec. 15.
Vaporizer, Electric. E. Ritter. 1,565,500; Dec. 15.
Vat, Veneer. E. B. Varney. 1,565,297; Dec. 15.
Vegetable substances, Process and apparatus for treating. C. R. Mabee. 1,565,282; Dec. 15.
Vegetable substances, Process for the continuous steam milling of. C. R. Mabee. 1,565,283; Dec. 15.
Vehicle, Amusement. E. V. Johnson. 1,566,097; Dec. 15.
Vehicle brake, Motor. J. C. Morrell. 1,565,489; Dec. 15.

Vehicle construction, Cushion connection for. A. H. Leipert and J. Goldsmith. 1,566,026; Dec. 15.
Vehicle control device, Motor-. H. D. Hukill. 1,565,458; Dec. 15.
Vehicle leaf springs, Clamp for. A. F. Kaptuller. 1,565,856; Dec. 15.
Vehicle lock, Motor. L. C. Vanderlip. 1,565,874; Dec. 15.
Vehicle registration plate, Motor-. T. J. Mooney. 1,566,035; Dec. 15.
Vehicle signal. F. Romanowski. 1,565,591; Dec. 15.
Vehicle spring. L. C. Haider. 1,565,930; Dec. 15.
Vehicle spring, Lubricated. R. A. Greenwald and P. J. Gazecki. 1,565,436; Dec. 15.
Vehicles and the like, Top for. F. K. Lewis. 1,565,279; Dec. 15.
Vehicles, Derrick attachment to motor-driven. H. H. Bush. 1,565,547; Dec. 15.
Vehicles, Detachable subframe for. R. Chilton. 1,565,624; Dec. 15.
Vehicles, Dual wheel for. E. L. Prentiss. 1,565,393; Dec. 15.
Vehicles or the like, Speed changing and controlling mechanism for motor. H. R. Regal. 1,565,396; Dec. 15.
Vehicles, Torque-neutralizing mechanism for motor. E. W. Templin. 1,565,527; Dec. 15.
Vehicles, Transmission mechanism for. L. B. Goud. 1,565,271; Dec. 15.
Velocipede. J. A. Bried. 1,565,545; Dec. 15.
Velocipede. P. Schimmel. 1,565,817; Dec. 15.
Vending-machine casing. E. Schultz. Des. 69,057; Dec. 15.
Vessels, Propeller mechanism for. P. W. Boll. 1,565,782; Dec. 15.
Vessels, Unloading apparatus for. G. Von Haase. 1,565,875; Dec. 15.
Vitreous material, Control of the softening temperature of. W. C. Sproesser. 1,565,598; Dec. 15.
Volume output, Arrangement for automatically controlling. C. H. Fetter. 1,565,555. Dec. 15.
Volume range. Arrangement for controlling. A. B. Clark. 1,565,548; Dec. 15.
Wall-bonding device. J. H. Waugh. 1,566,135; Dec. 15.
Wall construction. J. F. Ryan. 1,566,228; Dec. 15.
Wall sheets, Vertical joint for. S. S. Daykin and H. O. Davidson. 1,565,309; Dec. 15.
Wall structure. W. A. Wells. 1,565,537; Dec. 15.
Wall table. N. Giard. 1,566,200; Dec. 15.
Walls, Method of and apparatus for constructing. C. Brynoldt. 1,565,845; Dec. 15.
Washer: *See*—
Oil-packing washer.
Washfountain, Overhead-supply. L. Schlesinger and H. E. Heine. 1,565,677; Dec. 15.
Washing machine. A. W. Altorfer. 1,565,243; Dec. 15.
Washing machine. B. D. Chamberlin. 1,565,792; Dec. 15.
Washing-machine motor. R. R. Masterson. 1,565,947; Dec. 15.
Washing machine, Oscillating. J. Nelson. 1,565,585; Dec. 15.
Water-closet. W. R. Fensom. 1,565,631; Dec. 15.
Water, Device for utilizing the power of flowing. W. E. Damon. 1,565,910. Dec. 15.
Water heater. J. G. Haus. 1,566,209; Dec. 15.
Water heater. A. N. Roberts. 1,566,121; Dec. 15.
Water heater. E. F. Seisel. 1,565,965; Dec. 15.
Water heater, Steam. A. L. Bolinger. 1,565,896; Dec. 15.
Water-supply system. G. R. Alexander. 1,565,769; Dec. 15.
Waterer. J. Weber. 1,566,176; Dec. 15.
Wave energy, Method of and apparatus for determining the direction of. H. C. Hayes. 1,565,861; Dec. 15.
Waxing and polishing machine. N. B. Cutler. 1,565,261; Dec. 15.
Weapons, Front sight for high-velocity. J. W. Harkom. 1,565,448; Dec. 15.
Welding, Electric resistance. C. A. Hadley. 1,566,208; Dec. 15.
Welding-pencil holder, Arc-. O. A. Colby. 1,565,417; Dec. 15.
Well casing. K. Sonderby. 1,565,681; Dec. 15.
Well-cleaning process. C. Larsen. 1,565,574; Dec. 15.
Well drill. L. B. Clinton. 1,565,906; Dec. 15.
Well pumping mechanism. H. F. Randolph. 1,566,264; Dec. 15.
Wells, Safety device for oil. E. Dorman. 1,565,718; Dec. 15.
Wheel: *See*—
Dual wheel.
Polishing wheel.
Pony bull wheel.
Traction wheel.
Wheel. W. A. Dillard. 1,566,080; Dec. 15.
Wheel. A. W. Jones. 1,566,017; Dec. 15.
Wheel and rim. F. W. Gillmore. 1,566,203–5; Dec. 15.
Wheel-supporting device, Emergency-. P. La Delfa. 1,566,261; Dec. 15.
Wheels, Testing machine for. H. Flick. 1,565,920; Dec. 15.
Winding apparatus. R. A. Haley. 1,565,931; Dec. 15.
Winding key. W. G. Orth. 1,565,754; Dec. 15.
Window construction. J. Sylvan. 1,565,337; Dec. 15.
Window construction. H. D. Wilson. 1,565,975; Dec. 15.
Window, Metal. B. Hausman. 1,565,938; Dec. 15.
Windows, Release mechanism for awning-type. J. J. Donovan. 1,565,991; Dec. 15.
Windshield cleaner. V. G. Hush and T. A. Hill. 1,565,802; Dec. 15.
Windshield-control device. J. R. King. 1,566,216; Dec. 15.
Windshield rain shield. R. P. Martin. 1,565,381; Dec. 15.
Wood preservation. L. Rosenstein and C. T. Henderson. 1,565,503; Dec. 15.
Woodworking machine. S. W. Green. 1,565,926; Dec. 15.
Woodworking tool and operating means therefor. S. W. Green. 1,565,927; Dec. 15.
Work-testing fixture. O. A. Webster. 1,565,695; Dec. 15.
Wrench. W. O. Thewes. 1,565,338; Dec. 15.
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Clothes wringer.
Wringer. W. A. Frantz. 1,565,320; Dec. 15.
X-ray filter. F. Tichy and A. C. Koenitz. 1,566,130; Dec. 15.
X-ray system, Dental. H. D. Garretson. 1,566,198; Dec. 15.
X-ray tubes, Cooling device for. H. Spiro. 1,565,969; Dec. 15.
X-ray tubes, Protecting. H. D. Garretson. 1,566,197; Dec. 15.
Yarn cleaner. L. B. Hasbrouck. 1,565,850; Dec. 15.
Yarn cleaner. H. R. Massingham. 1,565,852; Dec. 15.
Yarns, Device for operating on traveling. L. B. Hasbrouck. 1,565,853; Dec. 15.
Zinc or zinc and lead, Producing. C. E. Cornelius. 1,566,183; Dec. 15.
Zinc oxide, Apparatus for producing. M. P. Kirk. 1,566,103; Dec. 15.


# CLASSIFICATION OF PATENTS

## DECEMBER 15, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

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421: 1,565,304
1,565,305
123— 17: 1,565,449
25: 1,565,453
32: 1,566,126
41: 1,565,245
59: 1,565,352
90: 1,565,712
169: 1,565,274
178: 1,565,284
198: 1,565,778
124— 10: 1,565,438
126— 42: 1,565,740
165: 1,566,168
273: 1,565,784
127— 22: 1,565,661
128— 80: 1,566,063
245: 1,566,061
325: 1,565,481
327: 1,566,235
129— 23: 1,566,159
24: 1,565,985
130— 30: 1,566,231
131— 45: 1,565,939
51: 1,565,728
132— 36: 1,565,509
1,565,510
1,565,511
41: 1,565,588
78. 5: 1,565,775
83: 1,565,303
134— 1: 1,565,994
135— 2: 1,565,977
52: 1,565,582
136— 109: 1,565,450
137— 13: 1,565,881
20: 1,566,093
21: 1,565,913
75: 1,565,254
1,566,121
78: 1,566,147
79: R. 16,230
90: 1,565,275
103: 1,566,238
104: 1,565,627
130— 77: 1,565,568
208: 1,566,113
237: 1,566,136
270: 1,566,258
278: 1,566,137
360. 1,566,249
383: 1,565,482
143— 6: 1,565,926
43: 1,565,427
58: 1,566,191
174: 1,566,225
144— 3: 1,565,927
144: 1,565,573
145— 35: 1,565,861
61: 1,565,668
146— 6: 1,565,648
12: 1,565,610
39: 1,565,960
102: 1,566,094
148— 7: 1,565,420
21: 1,565,755

149— 24: 1,565,268
150— 52: 1,565,389
151— 24: 1,565,250
26: 1,565,609
152— 12: 1,565,667
14: 1,565,497
20: 1,566,028
1,566,029
26: 1,565,449
153— 15: 1,566,112
16: 1,566,227
154— 9: 1,566,014
15: 1,565,813
58: 1,565,267
155— 55: 1,566,173
74: 1,566,157
81: 1,566,161
135: 1,565,636
174: 1,565,514
1,565,730
179: 1,565,827
156— 15: 1,566,116
19: 1,565,742
22: 1,565,734
1,565,735
25: 1,565,576
33: 1,566,081
36: 1,566,248
157— 1: 1,565,357
158— 4.5: 1,565,370
26: 1,566,123
36: 1,565,461
66: 1,565,432
76: 1,565,996
94: 1,565,986
163— 8: 1,565,858
164— 42: 1,565,520
50: 1,566,082
53: 1,565,654
117: 1,566,049
166— 14: 1,566,256
1,566,257
15: 1,565,718
21: 1,565,574
167— 9: 1,566,218
12: 1,565,899
170— 85: 1,565,910
150: 1,565,374
171— 34: 1,565,391
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95: 1,565,855
312: 1,565,411
314: 1,565,963
324: 1,566,132
172— 126: 1,565,462
238: 1,565,434
239: 1,565,412
240: 1,566,086
173— 259: 1,565,314
1,565,786
263: 1,565,831
322: 1,566,221
324: 1,566,143
334: 1,566,220
1,565,263
339: 1,565,313
359: 1,565,486
174— 177: 1,565,490
175— 183: 1,565,519
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1,565,721
320: 1,565,410
356: 1,565,531
176— 7: 1,565,564
1,565,579
122: 1,565,565
132: 1,565,724
177— 311: 1,566,182
329: 1,566,149
178— 2: 1,565,343
33: 1,565,468
44: 1,565,441
44: 1,565,491
1,565,540
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50: 1,565,508
71: 1,565,507
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101: 1,565,360
179— 2: 1,565,628
15: 1,565,922
17: 1,565,727
18: 1,565,269
1,565,954
27.5: 1,565,637
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108: 1,565,589
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119: 1,565,974
122: 1,565,681
149: 1,566,212
170: 1,566,302
171: 1,565,477
1,565,548
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1,565,625
1,565,847
1,565,925
1,566,012
175: 1,566,578
180— 11: 1,565,719
19: 1,568,250
22: 1,565,526
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54: 1,565,624
74: 1,565,732
181— 0.5: 1,565,942
26: 1,566,361
182— 8: 1,566,052
183— 7: 1,565,691
51: 1,566,088
86: 1,565,318
184— 13: 1,566,242
45: 1,565,818
185— 27: 1,565,698
41: 1,565,789
187— 1: 1,565,267
1,566,046
4: 1,565,311
1,565,374
25: 1,565,554
188— 31: 1,565,559
32: 1,565,801
88: 1,565,770
89: 1,565,905
96: 1,566,190
152: 1,565,492
1,565,841
194: 1,565,517
1,565,614
259: 1,565,240
264: 1,566,961
189— 36: 1,565,309
67: 1,565,975
72: 1,565,938
190— 13: 1,565,260
191— 59.1: 1,565,487
192— 1: 1,565,458
4: 1,565,966
13: 1,565,421
43: 1,565,377
58: 1,565,355
62: 1,565,619
67: 1,565,639
68: 1,565,398
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131: 1,565,248
196— 4: 1,566,008
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8: 1,565,749
70: 1,565,326
118: 1,565,327
151: 1,566,000
197— 25: 1,565,554
126: 1,565,550
1,565,867
127: 1,565,762
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198— 10: 1,565,418
19: 1,566,251
87: 1,565,944
131: 1,565,922
195: 1,565,760
199— 42: 1,565,289
1,565,372
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200— 3: 1,566,155
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50: 1,565,455
51: 1,565,287
58: 1,565,687
59: 1,565,653
67: 1,565,470
94: 1,566,122
113: 1,565,753
120: 1,565,644
136: 1,565,499
150: 1,566,091
166: 1,565,358
201— 63: 1,565,539
204— 9: 1,565,367
15: 1,565,353
18: 1,565,683
24: 1,565,992
25: 1,565,997
58: 1,565,943
64: 1,565,428
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206— 15.1: 1,565,684
16: 1,565,663
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46: 1,566,024
48: 1,565,369
208— 34: 1,565,957
38: 1,565,545
113: 1,565,817
209— 71: 1,565,622
202: 1,565,623
326: 1,565,883
1,565,892
348: 1,566,036
210— 70: 1,565,605
128: 1,565,752
154: 1,565,988
170: 1,565,380
171: 1,566,058
211— 8: 1,565,306
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14: 1,565,244
16: 1,565,993
19: 1,565,889
24: 1,565,731
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25: 1,565,388
28: 1,565,672
212— 41: 1,565,688
76: 1,565,454
213— 23: 1,565,955
176: 1,565,937
214— 6: 1,565,840
12: 1,565,875
16: 1,565,907
17: 1,565,331
1,565,634
18: 1,566,160
41: 1,565,984
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78: 1,565,829
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142: 1,565,422
215— 1: 1,565,983
63: 1,565,848
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217— 66: 1,565,457
122: 1,566,262
218— 14: 1,565,523
29: 1,565,284
219— 4: 1,566,208
8: 1,565,405
1,565,406
14: 1,565,417
219— 32: 1,565,981
37: 1,566,185
45: 1,565,500
220— 1: 1,565,744
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24: 1,566,237
39: 1,565,378
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67: 1,565,809
82: 1,566,015
85: 1,565,924
97: 1,565,902
221— 60: 1,566,193
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77: 1,565,915
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102: 1,565,888
103: 1,565,986
125: 1,566,187
144: 1,566,148
223— 18: 1,565,700
59: 1,565,621
224— 5: 1,566,192
29: 1,566,048
1,566,092
48: 1,565,952
226— 18: 1,566,068
19: 1,566,169
22: 1,565,847
42: 1,565,729
84: 1,565,371
229— 5.5: 1,566,077
6: 1,565,765
1,566,041
39: 1,566,196
230— 6: 1,565,640
11: 1,565,932
27: 1,566,067
30: 1,565,696
232— 1: 1,565,332
40: 1,565,706
233— 22: 1,565,604
235— 30: 1,566,038
60: 1,565,298
95: 1,565,715
236— 25: 1,566,102
33: 1,566,056
238— 8: 1,565,787
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51: 1,566,117
218: 1,565,903
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240— 2: 1,566,069
7.1: 1,565,960
23: 1,565,308
41: 1,565,960
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48.4: 1,565,433
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53: 1,566,301
62: 1,566,074
78: 1,565,277
100: 1,565,408
108: 1,565,973
241— 9: 1,566,206
11: 1,566,016
242— 57: 1,565,931
69: 1,565,633
71: 1,565,455
84.4: 1,565,402
117: 1,565,720
244— 12: 1,565,437
25: 1,565,690
29: 1,565,239
1,565,763
1,565,953
245— 1.5: 1,565,616
1,565,617
246— 4: 1,565,296
34: 1,566,150
37: 1,565,768
247— 22: 1,565,465
25: 1,566,145
248— 29: 1,566,232
30: 1,566,131
40: 1,565,464
56: 1,566,178
250— 1: 1,565,596
2: 1,565,544
6: R.16,231
9: 1,565,521
17: 1,565,478
1,565,505
1,565,245
19: 1,565,316
27: 1,565,562
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1,565,603
1,565,659
1,565,708
1,565,857
1,565,873
31: 1,565,595
34: 1,565,969
1,566,130
1,566,197
1,566,198
36: 1,565,416
38: 1,565,530
41: 1,565,351
1,565,799
251— 8: 1,565,673
43: 1,565,987
119: 1,566,108
127: 1,565,650
132: 1,565,490
156: 1,565,649
252— 2: R.16,225
3: 1,565,911
5: 1,565,323
254— 28: 1,565,415
98: 1,565,805
102: 1,565,878
161: 1,565,865
255— 71: 1,565,788
72: 1,565,430
1,565,906
256— 11: 1,565,431
48: 1,565,707
52: 1,565,339
257— 152: 1,565,843
1,566,141
186: 1,565,294
191: 1,565,424
237: 1,565,896
241: 1,566,810
259— 144: 1,566,133
260— 19: 1,565,736
36: 1,565,891
72: 1,565,344
135: 1,565,543
142: 1,565,705
156: 1,565,345
261— 50: 1,565,916
66: 1,565,972
116: 1,565,593
262— 5: 1,565,376
7: 1,566,060
19: 1,565,444
263— 49: 1,566,224
265— 12: 1,565,502
25: 1,565,717
49: 1,565,251
266— 18: 1,566,103
23: 1,565,824
267— 1: 1,565,822
10: 1,565,833
1,565,834
1,565,835
17: 1,565,930
1,566,022
1,566,071
30: 1,566,026
50: 1,565,436
52: 1,565,385
53: 1,565,856
65: 1,565,658
66: 1,566,207
268— 2: 1,566,120
8: 1,565,399
270— 69: 1,566,079
271— 39: 1,566,163
272— 57: 1,565,484
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70: 1,565,612
87: 1,566,057
120: 1,565,525
132: 1,565,901
143: 1,565,669
155: 1,565,403
274— 35: 1,565,335
275— 8: 1,565,379
277— 16: 1,565,631
279— 91: 1,565,529
114: 1,565,733
280— 22: 1,565,945
33.4: 1,565,400
33.44: 1,565,832
1,565,999
281— 18: 1,566,154
29: 1,565,629
1,565,630
34: 1,565,764
283— 18: 1,566,035
60: 1,566,019
66: 1,565,255
285— 4: 1,566,002
170: 1,565,349
286— 30: 1,565,448
287— 90: 1,565,956
288— 1: 1,565,643
1,565,793
1,565,918
290— 3: 1,565,908
37: 1,565,854
38: 1,565,252
292— 33: 1,565,561
78: 1,565,923
253: 1,565,598
264: 1,565,292
265: 1,565,713
275: 1,565,524
293— 55: 1,565,272
1,565,273
1,565,367
1,565,592
1,565,785
1,565,844
1,565,982
294— 22: 1,565,213
30: 1,565,234
57: 1,565,599
1,566,134
296— 44: 1,565,743
94: 1,566,216
97: 1,565,381
116: 1,565,279
298— 14: 1,565,726
19: 1,566,031
1,566,204
1,566,205
111: 1,566,261
302— 22: 1,565,993
303— 6: 1,566,111
41: 1,565,459
49: 1,565,383
63: 1,565,489
88: 1,566,084
304— 8: 1,566,171
33: 1,565,483
305— 3: 1,566,085
13: 1,565,757
306— 32: 1,565,611
308— 38: 1,565,467
196: 1,565,380

# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abbott Dental Brush Manufacturing Co., The. (See Rubin, Jennie.)
Abita Spring Water Company, Abita Springs, La. Spring water. 207,153; Dec. 22; Serial No. 217,809; published Sept. 8, 1925.
Abraham & Straus, assignor to Abraham & Straus, Inc., Brooklyn, N. Y. Knit underwear. 51,309; renewed Apr. 10, 1926.
Adrian, Elizabeth G., New York, N. Y. Dolls. 207,220; Dec. 22; Serial No. 218,942; published Oct. 13, 1925.
Alabastine Company, assignor, by mesne assignments, to Alabastine Company, Grand Rapids, Mich. Wall paint or coating. 50,358; renewed Mar. 13, 1926.
Alexander Bros. Company, Savannah, Ga. Overalls. 207,224; Dec. 22; Serial No. 218,838; published Oct. 13, 1925.
Allen & Fisher, assignor to Allen & Fisher, Inc., Boston, Mass. Cigars. 44,579; renewed July 11, 1925.
Altman, B., & Co., New York, N. Y. Toilet soap. 207,234; Dec. 22; Serial No. 217,493; published Sept. 8, 1925.
American Cement Company, assignor to Giant Portland Cement Co., Philadelphia, Pa. Portland, natural rock, and unproved cement. 48,614; renewed Jan. 9, 1926.
American Cement Company, assignor to Giant Portland Cement Co., Philadelphia, Pa. Portland, natural rock, and unproved cement. 48,648; renewed Jan. 9, 1926.
American Preserve Co., The, Philadelphia, Pa. Jellies and fruit preserves. 207,217; Dec. 22; Serial No. 219,320; published Oct. 13, 1925.
American Sales Book Company, Limited. (See Carter-Crume Co, Limited.)
Ammonol Chemical Company, The, New York, N. Y. Antiseptic and analgesic. 48,700; renewed Jan. 9, 1926.
Angleton Fig Company, Angleton, Tex. Canned, bottled, and boxed figs, table sirup, and candied or crystallized figs. 207,159; Dec. 22; Serial No. 213,610; published Oct. 13, 1925.
Armspear Manufacturing Company, New York, N. Y. Railroad lamps and lanterns. 49,757–8; renewed Feb. 13, 1926.
Armspear Manufacturing Company, New York, N. Y. Railroad lamps and lanterns. 50,956; renewed Apr. 3, 1926.
Atkins, E. C., & Company, Indianapolis, Ind. Wood and cabinet scrapers. 50,810; renewed Apr. 3, 1926.
Autodex Company, Waynesboro, Pa. Indexing machines. 207,145; Dec. 22; Serial No. 216,251; published Oct. 6, 1925.
Barnette, M. A. (See Guyton, Margaret A.)
Barrymore Seamless Wiltons, Inc., The, Philadelphia, Pa. Textile carpets and rugs. 207,277; Dec. 22.
Barstow Stove Co.; Barstow Stove Company, Providence, R. I., successor. Stoves, ranges, furnaces, and boilers. 49,269; renewed Jan. 20, 1926.
Bay State Milling Company, Winona, Minn., and Boston, Mass.; Bay State Milling Company, Winona, Minn. Wheat flour. 50,604; renewed Mar. 27, 1926.
Bell, C. S., Co., The, Hillboro, Ohio. Farm, church, and school bells. 50,832; renewed Apr. 3, 1926.
Bellegarde & Cie. (See Vallee, L., & Company, Inc.)
Bennett Textile Company, Inc., Cohoes, N. Y. Knit underwear. 207,244; Dec. 22; Serial No. 218,464; published Oct. 13, 1925.
Berger, Isidor, doing business as Eclipse Knitting Mills, Newark, N. J. Golf hose. 207,200; Dec. 22; Serial No. 215,769; published Sept. 8, 1925.
Best Universal Lock Co., Seattle, Wash. Locks, keys, and parts of locks. 207,165; Dec. 22; Serial No. 212,316; published Oct. 13, 1925.
Bifex Products Company, Waukegan, Ill. Automobile bumpers and parts thereof. 207,197; Dec. 22; Serial No. 215,619; published Sept. 15, 1925.
Biola Manufacturing Company, Inc., Norfolk, Va. Electrical therapeutic treatment apparatus. 207,182; Dec. 22; Serial No. 216,318; published Oct. 13, 1925.
Bird, F. W., & Son, Walpole, assignor to Bird & Son, Inc., East Walpole, Mass. Waterproof papers. 50,676; renewed Mar. 27, 1926.
Blaw-Knox Company, Blawnox, Pa. Measuring devices for concrete aggregates. 207,255; Dec. 22.
Bommer, Emil, doing business as Bommer Spring Hinge Co., New York, N. Y. Builders' hardware. 207,130; Dec. 22; Serial No. 207,548; published Mar. 24, 1925.
Bon Ami Company, assignor to The Bon Ami Company, New York, N. Y. Scouring soap. 50,848; renewed Apr. 3, 1926.
Boston Confectionery Co., Cambridge, Mass. Candy. 207,228; Dec. 22; Serial No. 218,848; published Oct. 13, 1925.
Braadland, John, Ltd., doing business as Venus Packing Co., Stavanger, Norway, and Boston, Mass. Canned fish. 207,123; Dec. 22; Serial No. 177,591; published Mar. 3, 1925.
Braeburn Knitting Mills. (See Forstadt, Jacob.)
Bretwood, Ltd., London, England. Apparatus for use in wireless telegraphy and telephony. 207,212; Dec. 22; Serial No. 214,846; published Oct. 6, 1925.
Brunor, Emile, New York, N. Y. Pills and tablets. 49,464; renewed Feb. 6, 1926.
Bundy Tubing Company, Detroit, Mich. Metal tubing. 207,185; Dec. 22; Serial No. 216,015; published Sept. 15, 1925.
Bunte Brothers, Chicago, Ill. Candy. 207,196; Dec. 22; Serial No. 213,689; published Oct. 13, 1925.
Bunte Brothers, Chicago, Ill. Candy. 207,209; Dec. 22; Serial No. 214,124; published Aug. 18, 1925.
California Animal Products Co., (Inc.), Oakland, Calif. Dog biscuits, puppy biscuits, meal for dogs, and Pup-O. 207,273; Dec. 22.
California Peanut Co. (See Damianakes, Nicholas P.)
Carter-Crume Co. Limited, Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada, and Niagara Falls and Elmira, N. Y. Continuous-sales-slip books. 46,303; renewed Sept. 12, 1925.
Carter-Crume Co. Limited, Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada, and Niagara Falls and Elmira, N. Y. Duplicating sales books. 46,304; renewed Sept. 4, 1925.
Carter's Ink Company, The, Boston, Mass., and New York, N. Y.; The Carter's Ink Company, Cambridge, Mass. Mucilages. 49,033; renewed Jan. 23, 1926.
Central Brass Manufacturing Company, The, Cleveland, Ohio. Faucets, spouts, and shower heads. 207,259; Dec. 22.
Central Laboratories Co., Wheeling, W. Va. Rubber tire patches. 207,157; Dec. 22; Serial No. 218,609; published Oct. 13, 1925.
Central Laboratories Co., Wheeling, W. Va. Rubber and gasket cement. 207,248; Dec. 22; Serial No. 218,608; published Oct. 6, 1925.
Central Wholesale Grocers, Chicago, Ill. Canned fish and lobster, catchup, coffee, corn meal, etc. 207,238; Dec. 22; Serial No. 217,814; published Oct. 13, 1925.
Ceylon Spice Co. (See McKinley, Carrie A.)
Chamberlain Medicine Co., Des Moines, Iowa. Remedy for colic, cholera, diarrhea, and like complaints. 50,363; renewed Mar. 13, 1926.
Champion, C. V., & Company, Danville, Ill. Electric hot plates and corn-popping machines. 207,201; Dec. 22; Serial No. 209,016; published Oct. 6, 1925.
Chancellor & Vaughan, Inc., Chicago, Ill. Shirts, pants, bloomers, knickers, etc. 207,167; Dec. 22; Serial No. 210,954; published Oct. 13, 1925.
Chiquola Mfg. Co., Honea Path, S. C. Cotton piece goods. 51,633; renewed Apr. 17, 1926.
Clark, Thos. R., Chicago, Ill. Blowtorch and branding iron. 207,271; Dec. 22.
Clayton Mark & Company, Chicago, Ill. Cup leathers for well valves. 207,208; Dec. 22; Serial No. 213,659; published Sept. 22, 1925.
Clifton Manufacturing Co., Clifton, S. C. Cotton piece goods. 50,924; renewed Apr. 3, 1926.
Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 207,247; Dec. 22; Serial No. 218,541; published Oct. 13, 1925.
Coe, W. H., Mfg. Co., Providence, R. I. Metal leaf. 51,575; renewed Apr. 17, 1926.
Collins & Fairbanks Company, Boston, Mass. Hats, caps, and bonnets. 50,926; renewed Apr. 3, 1926.
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Dish, silver, and glass cleaning machines and metal-parts-cleaning machines. 207,230; Dec. 22; Serial No. 217,261; published Oct. 6, 1925.
Como Apparatus Company, Inc., Manchester, N. H. Radio variable condensers, push-pull transformers, and tuned transformers. 207,272; Dec. 22.
Cooper Underwear Company, Kenosha, Wis. Hosiery. 207,184; Dec. 22; Serial No. 216,019; published Oct. 6, 1925.
Crandall Packing Company, Palmyra, N. Y. Pump valves and packing. 207,135; Dec. 22; Serial No. 206,222; published June 9, 1925.
Creme-O-Blend Co., Portland, Oreg. Thickening agent for soups and gravies. 207,183; Dec. 22; Serial No. 216,153; published Oct. 13, 1925.
Crucible Steel Company of America, Pittsburgh, Pa.; Crucible Steel Company of America, New York, N. Y. Steel. 48,221; renewed Dec. 19, 1925.
Crucible Steel Company of America, Pittsburgh, Pa.; Crucible Steel Company of America, New York, N. Y. Steel. 48,304–6; renewed Dec. 26, 1925.
Crucible Steel Company of America, Pittsburgh, Pa.; Crucible Steel Company of America, New York, N. Y. Steel. 48,307; renewed Dec. 26, 1925.
Crucible Steel Company of America, Pittsburgh, Pa.; Crucible Steel Company of America, New York, N. Y. Steel. 48,368; renewed Dec. 26, 1925.

Cutaway Harrow Company, The, Higganum, Conn. Harrows, cultivators, plows, etc. 207,150; Dec. 22; Serial No. 217,542; published Oct. 13, 1925.

Damianakes, Nicholas P., doing business as California Peanut Co., Oakland, Calif. Candy and candied nuts. 207,178; Dec. 22; Serial No. 216,876; published Oct. 13, 1925.

Dannenhirsch, Max, doing business as The Dannenhirsch Co., Philadelphia, Pa. Electric storage batteries or accumulators and parts thereof. 207,151; Dec. 22; Serial No. 217,544; published Oct. 6, 1925.

Darby Coal Sales Company, The, Cincinnati, Ohio. Coal. 207,251; Dec. 22.

Davies-Strauss-Stauffer Company. (See Tombler, H. G., Grocery Co., The, assignor.)

Delatour Beverage Corporation, New York and Long Island City, N. Y. Ginger ale. 207,265; Dec. 22.

Dexter Research Laboratories, Inc., Toledo, Ohio. Vegetable filtering material. 207,193; Dec. 22; Serial No. 214,466; published Oct. 6, 1925.

Dickinson, Albert, Company, The, Chicago, Ill. Dried beans. 49,917; renewed Feb. 20, 1926.

Dickinson, Albert, Company, The, Chicago, Ill. Poultry food. 51,054; renewed Apr. 3, 1926.

Distributing Corporation, The, New York, N. Y. Hosiery. 207,233; Dec. 29; Serial No. 217,396; published Oct. 13, 1925.

Dunlap & Co., New York, N. Y. Hats and caps of all kinds. 51,125; renewed Apr. 3, 1926.

Du Pont Fibersilk Company, Buffalo, N. Y. Raw artificial silk. 207,263; Dec. 22; Serial No. 210,539; published Sept. 22, 1925.

Duthie & Company, Inc., Portland, Oreg. Apples. 207,187; Dec. 22; Serial No. 215,622; published Oct. 13, 1925.

Eagle Lye Works, assignor to Eagle Lye Works, Milwaukee, Wis. Lye and potash. 50,226–7; renewed Mar. 6, 1926.

Eclipse Knitting Mills. (See Berger, Isidor.)

Eddy, D., & Sons Co., Boston, Mass. Refrigerators. 49,707; renewed Feb. 13, 1926.

Fair, The, Chicago, Ill. Dresses. 207,267; Dec. 22.

Fairbanks Company, The, New York, N. Y. Bearing metal. 50,948; renewed Apr. 3, 1926.

Farrington, G. B., Company, The, New York, N. Y. Teas. 46,528; renewed Sept. 26, 1925.

Fiberloid Corporation, The, Indian Orchard, Springfield, Mass. Mirrors. 207,198–9; Dec. 22; Serial Nos. 215,688–9; published Sept. 29, 1925.

Field's Club Style Clothes, Brooklyn, N. Y. Men's clothing, consisting of suits, coats, vests, etc. 207,241; Dec. 22; Serial No. 218,251; published Oct. 13, 1925.

Fleming-Green Company Inc., Montgomery, Ala. Sweet spiced pepper sauce. 207,156; Dec. 22; Serial No. 218,302; published Oct. 6, 1925.

Follansbee Brothers Company, Pittsburgh, Pa. Tin and terne plates. 46,981; renewed Oct. 17, 1925.

Foothill Groves, Yorba Linda, Calif. Fresh oranges, lemons, and grapefruit. 207,162; Dec. 22; Serial No. 212,910; published Oct. 13, 1925.

Forstadt, Jacob, doing business as Braeburn Knitting Mills, Philadelphia, Pa. Knitted sweaters, golf hose, and bathing suits. 207,174; Dec. 22; Serial No. 200,439; published Oct. 13, 1925.

Fr. Stuhgen & Co., Erfurt, Germany. Lamps, lanterns, and parts thereof. 48,807; renewed Jan. 16, 1926.

Frazer Lubricator Co., Chicago, Ill. Axle grease. 46,553; renewed Sept. 26, 1925.

Friedman Bros., New York, N. Y. Pants. 207,227; Dec. 22; Serial No. 214,656; published Sept. 15, 1925.

Gandy Belting Company, The, Baltimore, Md. Stitched canvas and solid woven belting for power transmission, etc. 207,211; Dec. 22; Serial No. 214,407; published Oct. 6, 1925.

Gardner's Candies, Inc., New York, N. Y. Candy. 207,131; Dec. 22; Serial No. 201,401; published Mar. 3, 1925.

General Furniture Supply Co., The, Baltimore, Md. Household furniture. 207,207; Dec. 22; Serial No. 213,566; published Oct. 6, 1925.

Giant Portland Cement Co. (See American Cement Company, assignor.)

Goldschmidt, Th., Corporation, New York, N. Y. Radio apparatus. 207,194; Dec. 22.

Green & Green, Houston, Tex. Nonalcoholic, maltless beverages and sirups for making same. 207,205; Dec. 22; Serial No. 212,248; published July 28, 1925.

Grendel Mills, Greenwood, S. C. Sheetings and drillings. 50,511; renewed Mar. 20, 1926.

Guilmont & Peters, Chicago, Ill. Hair nets. 207,261; Dec. 22.

Gunst, Melville A., Costume Co. Inc., doing business as Melville A. Gunst Co., New York, N. Y. Ladies' dresses. 207,180; Dec. 22; Serial No. 216,779; published Oct. 13, 1925.

Guyton, Margaret A., doing business as M. A. Barnette, Chicago, Ill. Shoe robes. 207,215; Dec. 22; Serial No. 215,299; published Sept. 29, 1925.

Hans Brothers Fabrics Corporation, New York, N. Y. Piece goods made of wool, silk, and cotton. 207,256; Dec. 22.

Hagedorn-Merz Co., The, Philadelphia, Pa., and New York, N. Y. Shirt waists and shirt-waist suits. 46,911; renewed Oct. 17, 1925.

Hahne & Company, Newark, N. J. Ladies' shoes. 50,649; renewed Mar. 27, 1926.

Hammond, G. H., Company, Chicago, Ill. Oleo oil. 207,152; Dec. 22; Serial No. 217,770; published Oct. 6, 1925.

Haymon Krupp & Co., El Paso, Tex. Work and out-of-door clothing. 207,242; Dec. 22; Serial No. 218,259; published Oct. 13, 1925.

Haynes & Co., Inc., Springfield, Mass. Men's dress and negligee shirts. 207,253; Dec. 22.

Hildebrandt, John J., Company, The, Logansport, Ind. Artificial knit. 207,225; Dec. 22; Serial No. 218,813; published Oct. 13, 1925.

Hitchner Biscuit Co., The, West Pittston, Pa. Biscuits, crackers, and wafers. 49,547; renewed Feb. 6, 1926.

Hoefeld, Albert, Chicago, Ill. Men's suits and overcoats. 207,245; Dec. 22; Serial No. 218,487; published Oct. 13, 1925.

Hoffman, E. A., Candy Co., Los Angeles, Calif. Candy. 207,146; Dec. 22; Serial No. 216,536; published Oct. 6, 1925.

Hood Rubber Company, Watertown, Mass. Inner tubes for pneumatic tires. 207,144; Dec. 22; Serial No. 215,932; published Aug. 4, 1925.

Horton, M. E., Inc., Washington, D. C. Canned fruits and vegetables. 207,237; Dec. 22; Serial No. 217,783; published Oct. 13, 1925.

Houston Brothers Company, Pittsburgh, Pa. Paper for roofing purposes. 47,982; renewed Dec. 5, 1925.

Howell Co., Inc., The New Orleans, La. Flavoring extracts for foods. 207,239; Dec. 22; Serial No. 217,880; published Oct. 13, 1925.

Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Chocolate. 207,218; Dec. 22; Serial No. 219,244; published Oct. 13, 1925.

Index Werke Hahn & Kolb, Esslingen-on-the-Neckar, Germany. Machines, particularly tool-making machines, grinding machines, etc. 207,155; Dec. 22; Serial No. 218,010; published Oct. 6, 1925.

Indian Refining Company, Incorporated, Lawrenceville, Ill., and New York, N. Y. Lubricating oils, greases, and compounds. 207,236; Dec. 22; Serial No. 217,712; published Oct. 6, 1925.

International Company, The, Baltimore Md. Fruit juices, extracts, and sirups for making soft drinks. 207,175; Dec. 22; Serial No. 186,062; published Sept. 15, 1925.

International Shoe Company, doing business as Peter's Shoe Company, St. Louis, Mo. Men's shoes of leather. 207,124; Dec. 22; Serial No. 184,456; published Mar. 4, 1924.

Interstate Iron & Steel Company, Chicago, Ill. Screws. 207,181; Dec. 22; Serial No. 216,601; published Oct. 13, 1925.

Interstate Iron & Steel Company, Chicago, Ill. Screws. 207,190; Dec. 22; Serial No. 214,664; published Oct. 13, 1925.

Iroquois Canning Corporation, Onarga, Ill. Canned corn. 207,140; Dec. 22; Serial No. 208,146; published Apr. 28, 1925.

Israel, Leon, & Bros. Inc., New York, N. Y. Green coffee. 207,169; Dec. 22; Serial No. 209,039; published Oct. 13, 1925.

Janszen Grocery Company, The, Cincinnati, Ohio. Coffee, rice, currants, and mincemeat. 207,264; Dec. 22.

Jarman Shoe Co., Nashville, Tenn. Boots and shoes. 207,143; Dec. 22; Serial No. 215,790; published Sept. 15, 1925.

Jarman Shoe Co., Nashville, Tenn. Boots and shoes. 207,158; Dec. 22; Serial No. 219,187; published Oct. 6, 1925.

Johnson Company, Inc., The, Philadelphia, Pa. Heat-proof tables for use over radiators. 207,133; Dec. 22; Serial No. 202,211; published Dec. 30, 1924.

Kann, S., Sons Company, The, Washington, D. C. Hosiery. 207,222; Dec. 22; Serial No. 218,853; published Oct. 13, 1925.

Kastor, Adolph, & Bros., New York, N. Y. Pocketknives and razors. 48,928; renewed Jan. 16, 1926.

Keller, L. H., & Co. Inc., New York, N. Y. Watchmakers' saws. 207,258; Dec. 22.

Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. 207,268; Dec. 22.

Kettles, Charles H., Indianapolis, Ind. Dental rubber. 207,136; Dec. 22; Serial No. 206,241; published Feb. 3, 1925.

Kenffel & Esser Company, The, Hoboken, N. J. Drawing paper. 49,252; renewed Jan. 30, 1926.

Kibbe Brothers Company, Springfield, Mass. Chocolate bars. 207,235; Dec. 22; Serial No. 217,625; published Oct. 13, 1925.

Kilmer, Dr., & Co., assignor to Dr. Kilmer & Co., Binghamton, N. Y. Ointment. 48,791; renewed Jan. 16, 1926.

Kilmer, Dr., & Co., assignor to Dr. Kilmer & Co., Binghamton, N. Y. Proprietary medicines. 48,794; renewed Jan. 16, 1926.

Kilmer, Dr., & Co., assignor to Dr. Kilmer & Co., Binghamton, N. Y. Proprietary medicines. 48,800; renewed Jan. 16, 1926.

Lechler, Paul, Stuttgart, Germany. Water-repelling preservative paint and antirust composition. 207,232; Dec. 22; Serial No. 217,349; published Oct. 6, 1925.



Lewis Invisible Stitch Mach. Co., St. Louis, Mo. Blind-stitch sewing machines and needles therefor. 207,276; Dec. 22.

Lewis, Wise Co. Inc., New York, N. Y. Men's robes, gowns, lounge suits, and jackets. 207,179; Dec. 22; Serial No. 216,788; published Oct. 13, 1925.

Livierato, Bernard A., New York, N. Y. Coffee. 207,221; Dec. 22; Serial No. 218,857; published Oct. 13, 1925.

Livingston & Yost, Inc., New York, N. Y. Jackets, vests, and coats for women. 207,228; Dec. 22; Serial No. 216,273; published Sept. 29, 1925.

Lombardi, Giovanni, doing business as Lombardi Radio Mfg. Co., Derby, Conn. Variable plate condensers, variable couplers, rheostats, etc. 207,204; Dec. 22; Serial No. 210,970; published Oct. 6, 1925.

Lorraine Manufacturing Company, Pawtucket, R. I. Cotton goods and goods of cotton and artificial silk mixed in the piece. 207,260; Dec. 22.

Lowenstein & Co., assignor to Frank E. and Max M. Lowenstein, Atlanta, Ga. Carbonated ginger ale. 50,683; renewed Mar. 27, 1926.

Lubricant Laboratories. (See Makeever, Madison M.)

M. t. E. v. Rademaker's Kon. Cacao & Chocolade Fabrieken, The Hague, Netherlands. Chocolates, candy, biscuits, and cocoa. 207,148; Dec. 22; Serial No. 216,792; published Oct. 6, 1925.

Makeever, Madison M., doing business as Lubricant Laboratories, Boston, Mass. Lubricants. 207,168; Dec. 22; Serial No. 209,131; published Aug. 4, 1925.

Marshak Maltmolak Co. Inc., New York and Brooklyn, N. Y. Food products. 207,127; Dec. 22; Serial No. 198,465; published Sept. 23, 1924.

Masury, John W., & Son, Brooklyn, N. Y. Varnishes. 49,970; renewed Feb. 27, 1926.

McKinley, Carrie A., doing business as The Ceylon Spice Co., Philadelphia, Pa. Tapioca. 207,172; Dec. 22; Serial No. 204,619; published Oct. 6, 1925.

Megler, Joseph G., Brookfield, Wash., assignor to J. G. Megler & Company, Inc., Portland, Oreg. Canned salmon. 50,050–2; renewed Feb. 27, 1926.

Megler, Joseph G. Brookfield, Wash., assignor to J. G. Megler & Company, Inc., Portland, Oreg. Canned salmon. 50,281–2; renewed Mar. 6, 1926.

Miller, Samuel, doing business as Milltex & Colonial Hosiery Mills, Philadelphia, Pa. Hosiery. 207,240; Dec. 22; Serial No. 218,015; published Oct. 13, 1925.

Millers Falls Company, Millers Falls, Mass., and New York, N. Y. Hack-saw blades. 207,170; Dec. 22; Serial No. 208,922; published Oct. 6, 1925.

Milltex & Colonial Hosiery Mills. (See Miller, Samuel.)

Morehouse Mfg. Co., assignor to Morehouse Manufacturing Company, Savannah, Ga. Baking soda. 46,392; renewed Sept. 19, 1925.

Moschel's, Jacob, Sons Inc., Buffalo, N. Y. Ham and bacon. 207,130; Dec. 22; Serial No. 201,300; published Dec. 9, 1924.

Mulconroy Company, Inc., Philadelphia, Pa. Rubber hose. 51,193; renewed Apr. 10, 1926.

Murine Eye Remedy Company, The, Chicago, Ill. Eye remedies. 49,888; renewed Feb. 20, 1926.

Myer Candy Company Inc., Birmingham, Ala. Milk-chocolate nut candy bars. 207,206; Dec. 22; Serial No. 213,393; published Oct. 6, 1925.

Nelson Canning Company, Lovingston, Va. Canned tomatoes. 207,171; Dec. 22; Serial No. 205,025; published Oct. 13, 1925.

Newell Mfg. Co. Inc., The, Ogdensburg, N. Y. Metal curtain rods. 207,262; Dec. 22.

New England Confectionery Co., assignor to New England Confectionery Company, Boston, Mass. Chocolate drops. 46,683; renewed Oct. 3, 1925.

New England Confectionery Co., assignor to New England Confectionery Company, Boston, Mass. Candy. 49,239; renewed Jan. 30, 1926.

New England Confectionery Co., assignor to New England Confectionery Company, Boston, Mass., successor. Chocolate drops. 49,294–5; renewed Jan. 30, 1926.

Night Comfort Garment Co. Inc., New York, N. Y. Men's and boys' dress, work, and negligee shirts, pyjamas, and nightshirts. 207,210; Dec. 22; Serial No. 214,212; published July 7, 1925.

Nutrolactis Company, The, New York, N. Y. Tonic. 48,705; renewed Jan. 9, 1926.

Olds, Edward A., New York, N. Y., assignor to The Packer Manufacturing Company, Inc., New York, N. Y. Soap. 51,086; renewed Apr. 3, 1926.

Opotowsky & Sons, New Orleans, La. Hosiery. 207,257; Dec. 22.

Orange Heights Fruit Association, Corona, Calif. Fresh oranges, lemons, and grapefruit. 207,219; Dec. 22; Serial No. 218,996; published Oct. 13, 1925.

Oshkosh Overall Co. (See Peters, Harry S.)

Oshkosh Overall Company, Oshkosh, Wis. Overalls. 207,254; Dec. 22.

Oster, John, Manufacturing Company, Racine, Wis. Hair clippers, clipper plates and blades, and repair parts. 207,269; Dec. 22.

Packer Manufacturing Company, The. (See Olds, Edward A., assignor.)

Paige, Wilma M., Joplin, Mo. Serving booths and stalls and miniature serving huts. 207,216; Dec. 22; Serial No. 215,351; published Sept. 29, 1925.

Pen-Mar Distilling Co. Inc., The, Waynesboro, Pa. Whisky. 50,397; renewed Mar. 13, 1926.

Pennsylvania Smithing Coal Company, Inc., New York, N. Y. Coal. 207,250; Dec. 22.

Peters, Harry S., Dover, N. J.; Oshkosh Overall Co., Oshkosh, Wis., successor. Overalls and workmen's shirts. 49,045; renewed Jan. 23, 1926.

Peter's Shoe Company. (See International Shoe Company.)

Pierce, F. O., Company, New York, N. Y. Liquid putty or glazing preparation. 51,763; renewed Apr. 24, 1926.

Placerville Fruit Growers Association, Placerville, Calif. Fresh pears, peaches, plums. 207,177; Dec. 22; Serial No. 217,181; published Oct. 13, 1925.

Pollak, Henry, Inc., New York, N. Y. Plaits designed for the manufacture of hats. 207,192; Dec. 22; Serial No. 214,499; published Oct. 6, 1925.

Postum Cereal Co. Limited, Battle Creek, Mich., assignor to Postum Cereal Company, Incorporated, Battle Creek, Mich., and New York, N. Y. Breakfast foods prepared from cereals. 51,153; renewed Apr. 3, 1926.

Purox Company, Denver, Colo. Welding rods. 207,138; Dec. 22; Serial No. 207,150; published Sept. 22, 1925.

Puryear Grocer Company, Jonesboro, Ark. Canned fruits, berries, vegetables, fish, and meats, condiments, etc. 207,134; Dec. 22; Serial No. 202,893; published Mar. 24, 1925.

Regal Shoe Company, Inc., Boston, assignor, by mesne assignments, to Regal Shoe Company, Whitman, Mass. Leather boots and shoes. 48,351; renewed Dec. 26, 1925.

Reymer & Brothers, Incorporated, Pittsburgh, Pa. Candy. 50,690; renewed Mar. 27, 1926.

Reynolds Oil & Grease Co., Boston, Mass. Fuel oil, animal oil and greases, lubricating oil, etc. 207,160–1; Dec. 22; Serial Nos. 213,258–9; published Oct. 6, 1925.

Rhodes, James H., & Company, Chicago, Ill. Natural stone used for rubbing purposes. 51,445; renewed Apr. 17, 1926.

Richardson & Boynton Company, New York, N. Y. Stoves, ranges, heaters, furnaces, and parts thereof. 51,570; renewed Apr. 17, 1926.

Roach Creek Coal Company, The, Cincinnati, Ohio. Coal. 207,141; Dec. 22; Serial No. 209,322; published July 14, 1925.

Robertson, Arthur R., Cambridge and Boston, Mass. Hammers. 51,501; renewed Apr. 17, 1926.

Roddenbery, Walter B., Cairo, Ga. Food sirup. 207,270; Dec. 22.

Rodwell Sign Co., Buffalo, N. Y. Glass and metal advertising signs. 48,720; renewed Jan. 9, 1926.

Roscott, Jacques, Lake Ronkonkoma and New York, N. Y. Refrigerators. 207,226; Dec. 22; Serial No. 218,665; published Oct. 6, 1925.

Roubaix Mills, Inc., New York, N. Y., and Clinton, Mass. Wool piece goods. 207,173; Dec. 22; Serial No. 202,462; published Nov. 4, 1924.

Rouss, Charles Broadway, New York, N. Y. Hosiery. 207,128; Dec. 22; Serial No. 198,966; published Nov. 11, 1924.

Rubin, Jennie, doing business as The Abbott Dental Brush Manufacturing Co., Philadelphia, Pa. Mandrel-mounted dental brushes. 207,186; Dec. 22; Serial No. 215,995; published Oct. 13, 1925.

Saim's Soap Company, Granger, Tex. Dry and wet cleaning soap. 207,202; Dec. 22; Serial No. 210,195; published July 28, 1925.

Sanchez & Haya Co., Tampa, Fla. Cigars. 46,814; renewed Oct. 10, 1925.

Sandwich Manufacturing Co., Sandwich, Ill. Corn shellers. 48,236; renewed Dec. 19, 1925.

Sandwich Manufacturing Co., Sandwich, Ill. Hay loaders. 48,722; renewed Jan. 9, 1926.

Saurer, Adolph, Inc., New York, N. Y. Internal-combustion motors and parts thereof. 207,274; Dec. 22.

Schilling-Collison Company, The, Los Angeles, Calif. Lubricating oils. 207,126; Dec. 22; Serial No. 187,644; published Aug. 26, 1924.

Schmidt, Geo. L., doing business as J. Fred Schmidt Packing Company, Columbus, Ohio. Hams, bacon, and sausage. 207,275; Dec. 22.

Scott, Peter, & Co., Limited, Hawick, Scotland. Knitted underwear, hosiery, sports coats, suits, etc. 207,189; Dec. 22; Serial No. 214,684; published Oct. 6, 1925.

Sehon, Stevenson & Co., Huntington, W. Va. Coffee. 207,214; Dec. 22; Serial No. 215,184; published July 14, 1925.

Shaeffer Products Co., Minneapolis, Minn. Salad dressing. 207,125; Dec. 22; Serial No. 186,805; published May 19, 1925.

Siemen & Hinsch, St. Margarethen, Holstein, Germany. Pumps, hydraulic and pneumatic pump controlling devices, and valves therefor. 207,149; Dec. 22; Serial No. 217,238; published Oct. 13, 1925.

Simplicity Engine and Manufacturing Company, Port Washington, Wis. Boring and grinding machines, boring and grinding tools, and parts thereof. 207,176; Dec. 22; Serial No. 181,783; published Oct. 13, 1925.

Singer, Nimick & Co. Inc., Pittsburgh, Pa.; Singer, Nimick & Co. Inc., New York, N. Y. Steel. 48,334; renewed Dec. 26, 1925.

Skinner, William, Manufacturing Company, Holyoke and Boston, Mass.; New York, N. Y.; Chicago, Ill.; and Philadelphia, Pa., assignor to William Skinner & Sons, Holyoke, Mass., and New York, N. Y. Silks and satins. 50,198; renewed Mar. 6, 1926.

Slade & Bullock Limited, Dewsbury, England. Candy—namely, toffee. 207,266; Dec. 22.
Smith Premier Typewriter Company, The, Syracuse, assignor, by mesne assignments, to The Smith Premier Typewriter Company, Syracuse and New York, N. Y. Typewriting machines. 51,572; renewed Apr. 17, 1926.
Speakman Company, Wilmington, Del. Shower heads. 207,263; Dec. 22.
Standard Oil Company (New Jersey), Bayonne, N. J. Liquid gloss and floor dressing. 207,191; Dec. 22; Serial No. 214,512; published Oct. 6, 1925.
Stewart Silk Company, assignor to Stewart Silk Company, Inc., Easton, Pa., and New York, N. Y. Silk fabrics. 48,092; renewed Dec. 12, 1925.
Structural Slate Co., The, Pen Argyl, Pa. Painted and enameled slate products. 207,164; Dec. 22; Serial No. 212,408; published Sept. 15, 1925.
Tennant Brothers, Inc., Dallas, Tex. Electric machine for supplying air, light, and power, etc. 207,142; Dec. 22; Serial No. 209,507; published Oct. 6, 1925.
Thompson Lubricating Company, Tacoma, Wash. Auto oils, transmission oil, gear grease, etc. 207,195; Dec. 22; Serial No. 209,507; published Oct. 6, 1925.
Tombler, H. G., Grocery Co., The, assignor to Davies-Strauss-Stauffer Company, Easton, Pa. Coffee. 51,109; renewed Apr. 3, 1926.
Trainer Co., Walter L., Philadelphia, Pa. Varnish, drier, japans, stains, etc. 207,188; Dec. 22; Serial No. 214,757; published Oct. 6, 1925.
Traut & Hine Mfg. Co., The, assignor to North & Judd Mfg. Co., New Britain, Conn. Upholsterers' nails. 50,115; renewed Mar. 6, 1926.
Trimm Radio Manufacturing Company, Chicago, Ill. Radio supplies. 207,213; Dec. 22; Serial No. 214,981; published Oct. 6, 1925.
Troco Company, Chicago, Ill. Oleomargarine, etc. 207,246; Dec. 22; Serial No. 218,531; published Oct. 6, 1925.
Ulrich, John D., Brooklyn, N. Y. Whisky. 50,215; renewed Mar. 6, 1926.
United States Farm Sales Company, Salina, Kans. Automobile tire casings and tubes. 207,147; Dec. 22; Serial No. 216,752; published Oct. 6, 1925.
Utility Oil Corporation, New York and Long Island City, N. Y. Gasoline, kerosene, lubricating oils and greases, and fuel oils. 207,129; Dec. 22; Serial No. 200,023; published Sept. 1, 1925.
Vacuum Seal Company, Inc., New York, N. Y. Glass preserving jars. 207,249; Dec. 22.
Vallee, L., & Company, Inc., doing business as Bellegarde & Cie., New York, N. Y. Food sauces. 207,166; Dec. 22; Serial No. 211,311; published Oct. 6, 1925.
Van Dreissche, H., Co., Inc., Gloversville, N. Y. Pocketbooks. 207,243; Dec. 22; Serial No. 218,344; published Oct. 6, 1925.
Venus Packing Co. (See Braadland, John, Ltd.)
Victor Garment Manufacturing Company, Muncie, Ind. Underwear. 207,231; Dec. 22; Serial No. 217,309; published Oct. 13, 1925.
Weiss & Zahler, New York, N. Y. Mufflers. 207,229; Dec. 22; Serial No. 217,236; published Oct. 13, 1925.
Wiard Plow Co., Batavia, N. Y. Plows, cultivators, rollers, and harrows. 49,008; renewed Feb. 13, 1926.
Wildenberg Brothers, doing business as W. B. Manufacturing Company, New York, N. Y. Radio receiving sets, alternating-current power units, battery rectifiers, etc. 207,163; Dec. 22; Serial No. 212,871; published Oct. 6, 1925.
Willesen Manufacturing Company, Malden, Mass. Soaps. 207,132; Dec. 22; Serial No. 202,088; published Oct. 14, 1924.
Williamsville Manufacturing Company, assignor to The Williamsville Buff Manufacturing Company, Killingly, Conn. Cotton-cloth buff wheels. 50,120; renewed Mar. 6, 1926.
Wolverine Brass Works, Grand Rapids, Mich. Tank floats. 207,252; Dec. 22.
Wrinkle-Ine Chemical Company, The, Denver, Colo. Hair tonic. 207,137; Dec. 22; Serial No. 206,650; published Aug. 11, 1925.
Young, F. H., Company, Boston, Mass. Dressing for boots and shoes. 51,397; renewed Apr. 17, 1926.

## ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Pop Corn Company, Sioux City, Iowa. Jolly Time Brand Hullese Pop Corn. For Raw Pop Corn. 29,648; Dec. 22.
Bayuk Cigars, Incorporated, Philadelphia, Pa. Ripe Light. For Cigars. 29,649; Dec. 22.
Bayuk Cigars, Incorporated, Philadelphia, Pa. Ripe Light Brown. For Cigars. 29,650; Dec. 22.
Bayuk Cigars, Incorporated, Philadelphia, Pa. Ripe Brown. For Cigars. 29,651; Dec. 22.
Blum, Harry, doing business as Philip Blum & Company, Chicago, Ill. 93. For Whisky. 29,652; Dec. 22.
Brodis, James W. W., and Edward L. Brodis, Melrose, Mass. Campaign Cigarettes, Vote for. For Cigarettes. 29,653; Dec. 22.
Carpenter and Bro., Fairmont, W. Va. Eat C and B Bread. For Bread. 29,654; Dec. 22.
Christians, H. C., Co., Chicago, Ill. White Beauties. For Eggs. 29,655; Dec. 22.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Ripe Olives. 29,656; Dec. 22.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Succotash. 29,657; Dec. 22.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Chili Sauce. 29,658; Dec. 22.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Lima Beans. 29,659; Dec. 22.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Tomato Sauce. 29,660; Dec. 22.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Salmon. 29,661; Dec. 22.
Goetz, M. K., Brewing Company, St. Joseph, Mo. Country Club. For Malt Cereal Beverage. 29,662; Dec. 22.
Goldman Brothers, Corsicana, Tex. Uncle Jake's Nickel Seegar. For Cigars. 29,663; Dec. 22.
Hires Turner Glass Company, Philadelphia, Pa. Pencil-Edge. For Glass. 29,664; Dec. 22.
Hoberg Paper & Fibre Company, Green Bay, Wis. Process Lavatory Tischine. For Toilet Paper. 29,665; Dec. 22.
Illinois Shade Cloth Corporation, Chicago Heights, Ill. Cambria Tint. For Window-Shade Cloth. 29,666; Dec. 22.
Illinois Shade Cloth Corporation, Chicago Heights, Ill. Colortone Shading. For Window-Shade Cloth. 29,667; Dec. 22.
Illinois Shade Cloth Corporation, Chicago Heights, Ill. Marvel Super Quality Shading. For Window-Shade Cloth. 29,668; Dec. 22.
Improved Manufactured Prod. Corporation, New York, N. Y. Fermalt. For Powdered Malt for Baking Purposes. 29,669; Dec. 22.
Inderrieden, J. B., Co., Chicago, Ill. Peter-Pan. For Raisins. 29,670; Dec. 22.
International Salt Company, Inc., New York, N. Y., and Scranton, Pa. Iodine salt. For Salt. 29,671; Dec. 22.
Koops, P., Chicago, Ill. Extra Strong, Koops' Prepared Mustard. For Mustard. 29,672; Dec. 22.
Lauber & Lauber Co., Chicago, Ill. Am-O-los. For a Cough Sirup. 29,673; Dec. 22.
Mack, Horace M. B., Lancaster, Pa. Señorita. For Coffee and Chicory Compound. 29,674; Dec. 22.
Mainzer, Adolf J., Inc., Long Island City, N. Y. "Dipin" Cracker Meal. For Cracker Meal. 29,775; Dec. 22.
Mathiessen, E. M., Chicago, Ill. Mahogany Creme Cake Mix. For Cake Mix. 29,676; Dec. 22.
National Carbon Company, Inc., New York, N. Y. Eveready Dry Cell Radio "A" Battery For Electric Batteries. 29,677; Dec. 22.
National Gum Co., Inc., The, Newark, N. J. National Mint Chews For Chewing Gum. 29,678; Dec. 22.
Neuhoff, Fred H., Company, Los Angeles, Calif. Coronado. For Canned Peaches. 29,679; Dec. 22.
Neuhoff, Fred H., Company, Los Angeles, Calif. Coronado. For Canned Tomatoes. 29,680; Dec. 22.
Penn Tobacco Company, Wilkes-Barre, Pa. Penns Extra Smoking and Chewing Tobacco. For Tobacco. 29,681; Dec. 22.
Purexo Products Co., San Francisco, Calif. Vinzymo, The Perfect Tonic Food. For Medicinal Tonic. 29,682; Dec. 22.
Prexo Products Company, San Francisco, Calif. Shamrock, The Perfect Tonic. For Medicinal Tonic. 29,683; Dec. 22.
Reynolds Spring Company, Jackson, Mich. No. 240 Two Way Angle Convenience Socket. For Two-Way Angle Convenience Sockets. 29,684; Dec. 22.
Reynolds Spring Company, Jackson, Mich. No. 420 Separable Attachment Plug. For Separable Attachment Plugs. 29,685; Dec. 22.
Reynolds Spring Company, Jackson, Mich. No. 340 Angle Three Way Convenience Socket. For Convenience Sockets. 29,868; Dec. 22.
Reynolds Spring Company, Jackson, Mich. No. 360 Three Way Combination Convenience Socket. For Convenience Sockets. 29,687; Dec. 22.
Reynolds Spring Company, Jackson, Mich. No. 500 Universal Heater Connector. For Heater Connecters. 29,688; Dec. 22.
Reynolds Spring Company, Jackson, Mich. No. 610 Appliance Cord Set. For Switched Universal Connecters. 29,689; Dec. 22.
Reynolds Spring Company, Jackson, Mich. Reynolite No. 380 Tri-O-Let. For Convenience Taps. 29,690; Dec. 22.
Reynolds Spring Company, Jackson, Mich. No. 220 Two Way Straight Convenience Socket. For Two-Way Straight Convenience Sockets. 29,691; Dec. 22.
Reynolds Spring Company, Jackson, Mich. No. 220 Straight Two Way Plug. For Straight Two-Way Plugs. 29,692; Dec. 22.



Reynolds Spring Company, Jackson, Mich. No. 380 Tri-O-Let. For Convenience Taps. 29,693; Dec. 22.
Roberts, Preston E., Inc., Fort Madison, Iowa. Our Highest Quality Bread. For Bread. 29,694–5; Dec. 22.
Standard Nut Margarine Company, Indianapolis, Ind. Real Nut. For Oleomargarine. 29,696; Dec. 22.
Suniand Laboratories, Inc., Los Angeles, Calif. Mangeese. For a Mange Remedy. 29,697; Dec. 22.
Sutherland Paper Company, Kalamazoo, Mich. Delicious Brick Ice Cream. For Ice Cream. 29,698; Dec. 22.
Union Salt Co., The, Cleveland, Ohio. Free Running Salt. For Salt. 29,699; Dec. 22.
Whitney, George C., Company, The, Worcester, Mass. Material For Making Large Lace Valentines. For Boxes of Valentine Material. 29,700; Dec. 22.
Whitney, George C., Company, The, Worcester, Mass. Whitney's Valentine Wonder Box. For Boxes of Valentine Material. 29,701; Dec. 22.
Whitney, George C., Company, The, Worcester, Mass. Mammoth Material Box of Valentine Mechanicals. For Boxes of Valentine Material. 29,702; Dec. 22.

## ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Chero-Cola Company, Columbus, Ga. Nehi. For a Non-alcoholic, Maltless, Noncereal Beverage Sold as a Soft Drink. 8,462; Dec. 22.
Cunningham, E. T., Inc., San Francisco, Calif. Cunningham Radio Tubes Bring Big Games to You Play by Play. For Radiotubes. 8,463; Dec. 22
Cunningham, E. T., Inc., San Francisco, Calif. Cunningham Radio Tubes Bring Complete Weather Reports. For Radiotubes. 8,464; Dec. 22.
Eskimo Pie Corporation, Louisville, Ky. Millions—Who Never Eat Ice Cream . . . Will Enjoy it Now. For Frozen Confections. 8,465; Dec. 22.
Federal Steel Sash Company, Waukesha, Wis. Federal. For Welded Solid Steel Store Fronts and Show Windows. 8,466; Dec. 22.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Roasting Coffee in the 18th Century. For Coffee. 8,467; Dec. 22.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Quality and Service Endure. For Coffee. 8,468; Dec. 22.
Franklin Furniture Co., Columbiana, Ohio. Know What's Inside the Furniture You Buy. For Furniture. 8,469; Dec. 22.
Gordon, J. P., Company, The, Columbus, Ohio. Gordon Seat Covers—Keep your Car Clean—Protect Upholstery. For Seat Covers. 8,470; Dec. 22.
Heinz, H. J., Company, Pittsburgh, Pa. Jets of Crystal. For Heinz 57 Varieties. 8,471; Dec. 22.
Heinz, H. J., Company, Pittsburgh, Pa. Yes, Cooked by Heinz. For Spaghetti. 8,472; Dec. 22.
Mulford, H. K., Company, Philadelphia, Pa. I Realize now why so Many Physicians Prefer this Form of Hay Fever Treatment. For Vaccine-Tube Points. 8,473; Dec. 22.
O'Brien Varnish Company, South Bend, Ind. O'Brien's Laker-It. For Brushing Lacquer. 8,474; Dec. 22.
Reid, Murdoch & Co., Chicago, Ill. The Pony Express. For Food Products. 8,475; Dec. 22.
Reynolds Spring Company, Jackson, Mich. No. 380 Tri-O-Let. For Convenience Taps. 8,476; Dec. 22.
Reynolds Spring Company, Jackson, Mich. No. 220 Straight Two Way Combination Plug. For Straight Two-Way Combination Plugs. 8,477; Dec. 22.
Sefton Manufacturing Corporation, Chicago, Ill. Cartons of a Particular Nature. For Paper Cartons. 8,478; Dec. 22.

## ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Adirondack, Knit Goods Co., Inc., The, Ballstom Spa., N. Y. Knit gloves, socks, sweaters, half hose, and bath suits. 222,653; Dec. 22.
Abischlager & Edwards, Chicago, Ill. Face powder. 223,453; Dec. 22.
Aircraft Development Corporation, Detroit, Mich. Aircraft, airships, balloons, and parts thereof and accessories. 185,890; Dec. 22.
Altman, B., & Co., New York, N. Y. Ladies' hats. 221,044; Dec. 22.
Ambler, Eugene, Chicago, Ill. Coal and coke. 208,888; Dec. 22.
American Sashweight Co., Inc., New York, N. Y. Sash weights. 222,723; Dec. 22.
American Stores Company, Philadelphia, Pa. Canned stringless beans, Keiffer pears, and corn. 220,836; Dec. 22.
Arbray Chemical Company, The. (See Phillips, Arthur M.)
Azusa Citrus Association, Azusa, Calif. Oranges, lemons, and grapefruit. 220,489; Dec. 22.
Bakelite Corporation, New York, N. Y. Pipes, pipe stems and bowls, cigar holders, cigarette cases, etc. 212,533; Dec. 22.
Bakelite Corporation, New York, N. Y. Adhesive cement. 221,589; Dec. 22.
Bakelite Corporation, New York, N. Y. Paint enamels, lacquers, and varnishes. 221,591; Dec. 22.
Bakelite Corporation, New York, N. Y. Adhesive cement. 221,594; Dec. 22.
Bakelite Corporation, New York, N. Y. Pistol grips and butt plates. 222,424; Dec. 22.
Banks Steel Post Company, Newark, N. J. Steel clothes posts. 223,158; Dec. 22.
Bardell, J. C., doing business as Bardell Art Printing Co., San Francisco, Calif. Mailing container for post cards, pictures, and like articles. 220,636; Dec. 22.
Barmon Brothers Company, Inc., Buffalo, N. Y. Dresses. 222,812; Dec. 22.
Barry, Gerard, doing business as Creative Studio, Chicago, Ill. Monthly publication. 221,734; Dec. 22.
Bausch and Lomb Optical Company, Rochester, N. Y. Spectacle temples. 223,075; Dec. 22.
Beautebox, Inc., New York, N. Y. Art boxes and containers. 204,300; Dec. 22.
Bethlehem Textiles Co., Bethlehem, Pa. Underwear. 219,163; Dec. 22.
Bettes, A. O., Mfg. Co. Inc., Kansas City, Mo. Compound for polishing metal. 218,728; Dec. 22.
Black & White Milling Company, East St. Louis, Ill. Stock feed. 220,285; Dec. 22.
Blake, C. G., Company, Inc., The, Cincinnati, Ohio. Coal. 219,572; Dec. 22.
Blue Bird Brassiere Company, New York, N. Y. Brassières. 171,826; Dec. 22.
Blumenthal, B., & Co., New York, N. Y. Buttons. 217,918; Dec. 22.
Boback, H. C., Co., Inc., New York, N. Y. Fresh vegetables, citrous and deciduous fruits, canned milk, etc. 189,096; Dec. 22.
Boyshform Brassiere Co., The, New York, N. Y. Brassières, corsets, and underwear. 218,730; Dec. 22.
Brecht Candy Company, The, Denver, Colo. Candy. 222,006; Dec. 22.
Bridgeport Stone Co. (See Clark, Frank E.)
Brummer, Max B., & Son Inc., New York, N. Y. Overcoats, wraps, suits, and trousers. 219,674; Dec. 22.
Brunswick Tire Corporation, New York, N. Y. Rubber vehicle tires and inner tubes. 222,498; Dec. 22.
Brunswig Drug Company, Los Angeles, Calif. Antiseptic cones, antiseptic powder, beef, iron, and wine, etc. 197,923; Dec. 22.
C-V Equipment Corporation, Utica, N. Y. Gasoline-hose nozzles. 222,222; Dec. 22.
Caledonia Cellulose Company, Inc., New York, N. Y. Sanitary napkins. 222,010; Dec. 22.
California Prune & Apricot Growers Association, San Jose, Calif. Dried fruit. 220,273; Dec. 22.
Campbell, John, & Co., Inc., New York, N. Y. Soluble oil. 223,367; Dec. 22.
Chanel Inc., New York, N. Y. Perfume and toilet water; 223,213–15; Dec. 22.
Chicago Mail Order Company, Chicago, Ill. Women's shoes. 222,662; Dec. 22.
Chickamauga Cedar Company, Stevenson, Ala. Tennessee aromatic red-cedar products. 210,644; Dec. 22.
Chittenden, Turner & Company, Inc., Boston, Mass. Ice-cream powder. 220,497; Dec. 22.
Citrus Products Company, Chicago, Ill. Beverages and compounds for making the same. 222,497; Dec. 22.
Clark, Frank E., doing business as Bridgeport Stone Co., Bridgeport, Conn. Septic tanks. 222,109; Dec. 22.
Colonial Milling Co., Nashville, Tenn. Wheat flour. 222,110; Dec. 22.
Colorado Potato Flake and Manufacturing Company, Denver, Colo. Shoe-string or French fried potatoes. 212,676; Dec. 22.
Cook County Real Estate Board, Chicago, Ill. Weekly bulletin. 211,081; Dec. 22.
Creative Studio. (See Barry, Gerard.)
Crystal-Lee Inc., New York, N. Y. Face powder, face packs, pore cream, wave lotion, perfumes, etc. 222,443; Dec. 22.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Darrow, B. H., Oak Park, Ill. Combination articles which may be used as a table or tub. 221,949; Dec. 22.
Del Monte Properties Company, San Francisco, Calif. Lard and cheese. 222,372; Dec. 22.
Derwent Mills Ltd., Matlock, England. Cotton yarn, sewing silk, silk twist, silk thread, etc. 217,210; Dec. 22.
Detroit Rubber Products, Inc., Detroit, Mich. Glass run channels. 220,707; Dec. 22.
Dictograph Products Corporation, New York, N. Y. Telephonic device for aiding defective hearing. 202,934; Dec. 22.
Dietrich, Adolph F., doing business as Mid Valley Coal Company, Cairo, Ill. Coal. 220,843; Dec. 22.
Donelson, Lewis R., jr., Memphis, Tenn. Pancake flour. 222,600; Dec. 22.
Egerton Brothers, Baltimore, Md. Table and cooking sirups. 222,170; Dec. 22.
Enz, John F., doing business as Enz-O-Jel Company, Sheboygan, Wis. Jelly powders. 222,228; Dec. 22.
Enz-O-Jel Company. (See Enz, John F.)
Ethol Laboratories. (See Frey, Joseph P.)
Excelsior Tobacco Co., St. Louis, Mo., assignor to Excelsior Tobacco Co. Smoking and chewing tobacco. 221,545; Dec. 22.
Falter, Richard, doing business as Richard Falter Company, New York, N. Y. Waterproofed crib sheets. 221,003; Dec. 22.
Fetterolf, H. G., Company, Wayne Junction, Philadelphia, Pa. Textile rugs and carpets. 222,111. Dec. 22.
Foss, H. D., & Co., Inc., Cambridge, Mass. Candy. 221,484; Dec. 22.
Fox C. J., Company, The, Providence, R. I. Foldable mailing boxes. 221,549; Dec. 22.
Frey, Joseph P., doing business as Ethol Laboratories, Chicago, Ill. Antiseptic mouth wash. 218,810; Dec. 22.
Friedman, Hugo, doing business as The Hugo Friedman Mfg. Co., Chicago, Ill. Extracting forceps. 223,031; Dec. 22.
Frost Fishing Tackle Company, Stevens Point, Wis. Fishing tackle. 220,845; Dec. 22.
Fund, Carl T., doing business as Fund's. Chicago, Ill. Candy. 205,329; Dec. 22.
Gardner, Frank A., doing business as F. A. Gardner, Riverside, Calif. Chemical moth killer and moth preventive. 221,053; Dec. 22.
Georgia, James J., Waterbury, Conn. Asthma medicine, toothache, corn, cough, and cold medicine, salve, etc. 221,891; Dec. 22.
Glasgow Oil and Refining Co., Glasgow and Louisville, Ky. Gasoline. 221,005; Dec. 22.
Goessling and Ferre, Inc., New York, N. Y. Fabric gloves. 222,235; Dec. 22.
Golba, Joseph, Gardner, Kans. Fistula salve. 221,957; Dec. 22.
Goldman-O'Brien Nassauer Mfg. Co., St. Louis, Mo. Ladies' and misses' hats. 208,977; Dec. 22.
Goodman A., & Sons, Inc., New York, N. Y. Matzoths, matzoth meal, matzoth ferfel, and alimentary paste products. 204,505; Dec. 22.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Knitted underwear. 222,743; Dec. 22.
Grunewald, H. A., and L. P. Keller, Chicago, Ill. Brassières, girdle and brassière combinations, girdles, and corsets. 222,180; Dec. 22.
Gryphon Rubber & Tire Corp., New York, N. Y. Automobile rubber tires and tubes therefor. 220,302; Dec. 22.
Harris & Capelle, New York, N. Y. Ladies' and misses' hats. 216,044; Dec. 22.
Hearn, John E., New York, N. Y. Prepared food consisting principally of nuts. 222,028; Dec. 22.
Henningsen Creamery Co., Tacoma, Wash. Butter. 219,966; Dec. 22.
Herrmann, A. S., Inc., New York, N. Y. Sheets, pillowcases, bedspreads, bolster cases and shams, napkins, etc. 211,529; Dec. 22.
Herzog & Kramer, New York, N. Y. Bath robes and bath robings. 222,747; Dec. 22.
Hewitt, Charles, & Sons Company, Des Moines, Iowa. Canned fruits. 222,120; Dec. 22.
Hi-Flier Manufacturing Company, The, Decatur, Ill. Kites. 203,175; Dec. 22.
Hitch, Frederick C., New York, N. Y. Cigarettes. 220,024; Dec. 22.
Hohlfeld Manufacturing Company, Philadelphia, Pa. Cotton, silk, and jute hammocks. 215,302; Dec. 22.
Hudson Valley Pure Food Company, Inc., Highland, N. Y. Nonalcoholic maltless beverages and sirups and extracts for making same. 222,255; Dec. 22.
Jeitteles, Daniel, Esslingen, Esslingen, Germany. Leather gloves. 222,122; Dec. 22.
Johns, Joseph L., Manhattan, Kans. Candy bar and an ice-cream brick. 222,123; Dec. 22.
Johns-Manville Incorporated, New York, N. Y. Sectional pipe covering. 167,046; Dec. 22.
Kasper Getreideschaelmaschine, G. m. b. H., Offenbach-on-the-Main, Germany. Grain peeling and scouring machines. 218,854; Dec. 22.
Keystone Hair Insulator Company, Pittsburgh, Pa., and New York, N. Y. Sheets of insulating material. 221,262; Dec. 22.
Kloud Upholstering Co., The, Chicago, Ill. Chair and davenport cushions. 219,826; Dec. 22.
Korach Brothers, Chicago, Ill. Dresses and aprons. 217,467; Dec. 22.
Lamont, Corliss & Company, New York, N. Y. Chocolate. 221,840; Dec. 22.
Levy, E. S., & Company, Galveston, Tex. Leather shoes. 215,156; Dec. 22.
Lindt, A. & W., Berne, Switzerland. Dietetical products. 219,827; Dec. 22.
Louis, G., Company, Chicago, Ill. Underwear, bathing suits, hosiery, shirts, sweaters, and sport coats. 222,184; Dec. 22.
Lowe Brothers Company, The, Dayton, Ohio. Filler, primer, sealer, and surfacer. 222,512; Dec. 22.
Lowe Brothers Company, The, Dayton, Ohio. Varnish primer and liquid filler. 222,514; Dec. 22.
Lucile Somarco Brassiere, New York, N. Y. Combined brassière, girdle, and drawers. 222,041; Dec. 22.
Marlboro Shirt Company, Inc., Baltimore, Md. Shirts. 221,126; Dec. 22.
Marshall Field & Company, Chicago, Ill. Corsets. 222,604; Dec. 22.
Massey, Mrs. R. C., and Mrs. E. W. Cairncross, Boise, Idaho. Cereal breakfast food. 172,951; Dec. 22.
Masury-Young Company, Charlestown, Mass. Disinfecting oils and greases. 220,244; Dec. 22.
Masury-Young Company, Charlestown, Mass. Disinfectants. 221,755; Dec. 22.
McClary Mfg. Co., The, London, Ontario, Canada. Enameled kitchen and cooking utensils and dishes. 220,460; Dec. 22.
Michigan Drug Co., The, Detroit, Mich. Beverages sold as soft drinks and sirups and extracts for making the same. 221,906; Dec. 22.
Mid Valley Coal Company. (See Dietrich, Adolph F.)
Mimosa Aktiengesellschaft, Dresden, Germany. Light-sensitized photographic papers, photographic apparatus, plates, and films. 205,883; Dec. 22.
Moon, George Q., & Company, Inc., Binghamton, N. Y. Buckwheat flour, granulated meal, laying mash, bran, etc. 218,864; Dec. 22.
Moorman Mfg. Co., Quincy, Ill. Mineral feed for poultry. 222,332; Dec. 22.
Naegele, Carl F., doing business as The Nip and Tuck, San Dimas, Calif. Canned fruits, vegetables, and fruit preserves, coffee, teas, etc. 220,790; Dec. 22.
National Automobile Service Corporation, The, Detroit, Mich. Gasoline, kerosene, lubricating oils, and greases. 218,986; Dec. 22.
National Automotive Parts Association, Detroit, Mich. Brake lining and clutch facings, valve-stem packing, felt washers, etc. 218,886; Dec. 22.
National Department Stores Inc., New York, N. Y. Toilet preparations. 200,518; Dec. 22.
Nice, Eugene E., Company, Philadelphia, Pa. Polishes for automobiles, etc. 221,023; Dec. 22.
Nip and Tuck, The. (See Naegele, Carl F.)
Northwest Paper Company, The, Cloquet, Minn. Wrapping paper. 222,132; Dec. 22.
Northwest Paper Company, The, Cloquet, Minn. Writing, drawing, and printing paper. 222,133; Dec. 22.
Northwestern Milling Co., Little Falls, Minn. Wheat flour. 221,502; Dec. 22.
O'Connor, Elizabeth, Springville, N. Y. Salve. 215,650; Dec. 22.
Odeneal Thomas H., Beverly, Mass. Laxative confection. 222,699; Dec. 22.
Ohio Chemical and Manufacturing Company, The, Cleveland, Ohio. Nitrous oxid, ethylene ether, $CO_2$ ether, Dunlop vapor, etc. 222,517; Dec. 22.
Owens Bottle Company, The, Toledo, Ohio. Caps or closure devices for bottles and other containers. 213,664; Dec. 22.
Pango Milk Chocolate Company, The, Toledo, Ohio. Chocolate malted milk. 222,339; Dec. 22.
Pearl City Fruit Co., Ltd., Honolulu, Hawaii. Canned pineapple. 210,311; Dec. 22.
Penn Vinegar Company, Pittsburgh, Pa. Jelly, fruit preserves, mustard, catchup, vinegar, etc. 217,359; Dec. 22.
Phillips, Arthur M., doing business as The Arbray Chemical Company, Canton, Ohio. Ink eraser or eradicator. 222,796; Dec. 22.
Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Chassis of automotive vehicles and component parts thereof. 186,665; Dec. 22.
Pierce, S. S., Co., Boston, Mass. Perfumes, toilet water, face powder, bath salts, etc. 222,575–6; Dec. 22.
Pittsburg Water Heater Company, Pittsburgh, Pa. Gas hot-water heaters and gas hot-water-storage systems. 203,436; Dec. 22.
Pittsburgh Uniform Tailoring Co. (See Stingel, Sigmund.)
Pocahontas Oil Company, The, Cleveland, Ohio. Gasoline. 222,894; Dec. 22.
Pocono Rubber Cloth Company, assignor to The Pocono Rubber Cloth Co., Trenton, N. J. Golf bags. 204,192;



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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Pond, E. K., Company, Chicago, Ill. Canned chicken broth. 221,637; Dec. 22.
Progress Bedding Co., Detroit, Mich. Mattresses, pillows, and bed springs. 206,688; Dec. 22.
Purity Biscuit Company, The, Salt Lake City, Utah. Cookies, cakes, crackers, and biscuits. 222,397; Dec. 22.
Raffetto, G. B., Inc., New York, N. Y. Nonalcoholic maltless sirups used in the preparation of soft drinks. 216,991; Dec. 22.
Rapid Addressing Machine Company, New York, N. Y. Stencil cards. 222,404–5; Dec. 22.
Ray County Coal Co., Richmond, Mo. Coal. 221,977; Dec. 22.
Red Spot Paint & Varnish Company, Incorporated, Evansville, Ind. Paint enamels, paints, and finishing materials. 216,213; Dec. 22.
Reliance Malt Products Co., Chicago, Ill. Malt extracts for beverage purposes. 221,279; Dec. 22.
Reliance Togs, Inc., New York, N. Y. Ladies' and misses' knickerbockers of wool and cotton. 222,042; Dec. 22.
Rice & Hutchins, Incorporated, Boston, Mass. Boots and shoes. 222,943; Dec. 22.
Richvein Coal Company, The, Cincinnati, Ohio. Coal. 221,717; Dec. 22.
Saurer, Adolph, Inc., New York, N. Y. Truck and passenger automobiles, automobile wheels, radiators, chassis, bodies, and parts thereof. 220,681; Dec. 22.
Schoeneman, J., Incorporated, Baltimore, Md. Men's, youths', and boys' outer garments, children's and youths' rompers, and bloomers. 222,709–10; Dec. 22.
Schust Company, The, Saginaw, Mich. Crackers. 212,416; Dec. 22.
Sealer, William A., doing business as Sealmastic Paint Company, New York, N. Y. Paint solution, rustproof paints, and dampproof paints. 220,975; Dec. 22.
Sealmastic Paint Company. (See Sealey, William A.)
Sharpless, P. E., Company, Philadelphia, Pa. Butter, cheese, and evaporated milk. 220,924; Dec. 22.
Simmons Boardman Publishing Co., New York, N. Y. Magazine published periodically. 222,196–7; Dec. 22.
Squire Dingee Company, Chicago, Ill. Pickles. 221,287; Dec. 22.
Standard Varnish Works, New York, N. Y. Primers, surfacers, paint enamels, solvents, etc. 221,858; Dec. 22.
Stanley, John T., Co., Inc., New York, N. Y. Polishes, top dressing, engine enamel, and tire paint. 221,783; Dec. 22.
Steinberg, Morris, Philadelphia, Pa. Men's suits. 220,091; Dec. 22.
Stingel, Sigmund, doing business as Pittsburgh Uniform Tailoring Co., Pittsburgh, Pa. Shirts and blouses. 222,094; Dec. 22.
Stollery Bros., Inc., Chicago, Ill. Flower baskets. 222,528; Dec. 22.
Strauss, Levi, and Company, San Francisco, Calif. Men's hosiery and knitted underwear. 221,079; Dec. 22.
Sunrise Ginger Ale Co. (See Wilson, Fred W., Inc.)
Taub, Rudolph J., Brooklyn, N. Y. Whole soles, half soles, heels, and the service of rebuilding shoes, etc. 221,518; Dec. 22.
Tennessee Coal, Iron & Railroad Company, Birmingham, Ala. Iron and steel. 221,984; Dec. 22.
Teran, Joseph, Fall River, Mass. Neckties and cravats. 221,462; Dec. 22.
Thomas Products, Inc., Boston, Mass. Extracting forceps. 222,415; Dec. 22.
Tighe, Loretta F., doing business as Youthfulform Brassiere Co., New York, N. Y. Brassières and combination undergarments. 221,790; Dec. 22.
Toch Brothers, Incorporated, New York, N. Y. Coating preparations. 222,096; Dec. 22.
Toch Brothers, Incorporated, New York, N. Y. Coating preparations in the nature of lacquers. 222,290; Dec. 22.
Truttwin, Hans, doing business as Dr. Ing. Hans Truttwin, Vienna, Austria. Medicine to be used in dermatology, venereology, gynecology, and in the treatment of cancer. 179,016; Dec. 22.
United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Rubber heels. 222,643; Dec. 22.
U. S. Line Company. (See United States Whip Company.)
United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 217,121; Dec. 22.
Warren, Andrew, doing business as The Warren Products Co., Elmhurst, N. Y. Malt sirups. 216,807; Dec. 22.
Waters, Harry F., St. Louis, Mo. Neckties. 221,397; Dec. 22.
West-Made Desk Company, Portland, Oreg. Office furniture. 221,466; Dec. 22.
Western Bottle Manufacturing Company, at times doing business as The Western Company, Chicago, Ill. Powder puffs. 223,007; Dec. 22.
Western Sausage & Provision Co., Inc., New York, N. Y. Canned sausage. 210,939; Dec. 22.
Whitson, Charles N., doing business as Whitson Products Company, New York, N. Y. Food-flavoring extracts. 220,751; Dec. 22.
Wilson, Andrew, Incorporated, Springfield, N. J. Insecticides. 199,447; Dec. 22.
Wilson, Fred W., Inc., doing business as Sunrise Ginger Ale Co., Sag Harbor, N. Y. Ginger ale. 221,152; Dec. 22.
Winsor & Newton, Ltd., London, England. Artists' colors. 222,150; Dec. 22.
Wizard Lightfoot Appliance Company, St. Louis, Mo. Shoes. 221,864; Dec. 22.
Woolsey, C. A., Paint & Color Co., Jersey City, N. J. Dry, ready-mixed, and paste paints, varnish and oil stains, etc. 220,932; Dec. 22.
Young & Griffin Coffee Co. Inc., New York, N. Y. Coffee. 219,510; Dec. 22.
Youthfulform Brassiere Co. (See Tighe, Loretta F.)

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

## CLASS 1.

Coal. Darby Coal Sales Company. 207,251; Dec. 22.
Coal. Pennsylvania Smithing Coal Company. 207,250; Dec. 22.
Coal. Roach Creek Coal Company. 207,141; Dec. 22; Serial No. 209,322; published July 14, 1925.
Silk, Raw artificial. Du Pont Fibersilk Company. 207,203; Dec. 22; Serial No. 210,539; published Sept. 22, 1925.

## CLASS 3.

Pocketbooks. H. Van Driessche Co. 207,248; Dec. 22; Serial No. 218,844; published Oct. 6, 1925.

## CLASS 4.

Buff wheels, Cotton-cloth. Williamsville Manufacturing Company. 50,120; renewed Mar. 6, 1926.
Dressing for boots and shoes. F. H. Young Company. 51,397; renewed Apr. 17, 1926.
Soap. E. A. Olds. 51,086; renewed Apr. 3, 1926.
Soap, Cleaning. Salm's Soap Company. 207,202; Dec. 22; Serial No. 210,195; published July 28, 1925.
Soap, Scouring. Bon Ami Company. 50,848; renewed Apr. 3, 1926.
Soap, Toilet. B. Altman & Co. 207,234; Dec. 22; Serial No. 217,493; published Sept. 8, 1925.
Soaps. Willesen Manufacturing Company. 207,132; Dec. 22; Serial No. 202,088; published Oct. 14, 1924.
Stone used for rubbing purposes, Natural. James H. Rhodes & Company. 51,445; renewed Apr. 17, 1926.

## CLASS 5.

Cements, Rubber and gasket. Central Laboratories Co. 207,248; Dec. 22; Serial No. 218,608; published Oct. 6, 1925.
Mucilages. Carter's Ink Company. 49,033; renewed Jan. 23, 1926.

## CLASS 6.

Antiseptic and analgesic. Ammonol Chemical Company. 48,700; renewed Jan. 9, 1926.
Hair tonic. Wrinkle-Inc. Chemical Company. 207,137; Dec. 22; Serial No. 206,650; published Aug. 11, 1925.
Lye and potash. Eagle Lye Works. 50,226–7; renewed Mar. 6, 1926.
Medicines, Proprietary. Dr. Kilmer & Co. 48,794; renewed Jan. 16, 1926.
Medicines, Proprietary. Dr. Kilmer & Co. 48,800; renewed Jan. 16, 1926.
Ointment. Dr. Kilmer & Co. 48,791; renewed Jan. 16, 1926.
Pills and tablets. E. Brunor. 49,464; renewed Feb. 6, 1926.
Remedies, Eye. Murine Eye Remedy Company. 49,888; renewed Feb. 20, 1926.
Remedy for colic, cholera, diarrhea, and like complaints. Chamberlain Medicine Co. 50,363; renewed Mar. 13, 1926.
Soda, Baking. Morehouse Mfg. Co. 46,392; renewed Sept. 19, 1925.
Tonic. Nutroiactis Company. 48,705; renewed Jan. 9, 1926.

## CLASS 12.

Cement, Portland, natural-rock, and unproved. American Cement Company. 48,614; renewed Jan. 9, 1926.
Cement, Portland, natural-rock, and unproved. American Cement Company. 48,648; renewed Jan. 9, 1926.
Paper for roofing purposes. Houston Brothers Company. 47,982; renewed Dec. 5, 1925.

Papers, Waterproof. F. W. Bird & Son. 50,676; renewed Mar. 27, 1926.

CLASS 13.

Bells, Farm, church, and school. C. S. Bell Co. 50,832; renewed Apr. 3, 1926.
Curtain rods, Metal. Newell Mfg. Co. 207,262; Dec. 22.
Faucets, spouts, and shower heads. Central Brass Manufacturing Company. 207,259; Dec. 22.
Hardware, Builders'. E. Bommer. 207,139; Dec. 22; Serial No. 207,548; published Mar. 24, 1925.
Nails, Upholsterers'. Traut & Hine Mfg. Co. 50,115; renewed Mar. 6, 1926.
Screws. Interstate Iron & Steel Company. 207,181; Dec. 22; Serial No. 216,601; published Oct. 13, 1925.
Screws. Interstate Iron & Steel Company. 207,190; Dec. 22; Serial No. 214,664; published Oct. 13, 1925.
Shower heads. Spenkman Company. 207,263; Dec. 22.
Slate products. Painted and enameled. Structural Slate Co. 207,164; Dec. 22; Serial No. 212,408; published Sept. 15, 1925.
Tank floats. Wolverine Brass Works. 207,252; Dec. 22.
Tubing, Metal. Bundy Tubing Company. 207,185; Dec. 22; Serial No. 216,015; published Sept. 15, 1925.

CLASS 14.

Metal, Bearing. Fairbanks Company. 50,948; renewed Apr. 3, 1926.
Metal leaf. W. H. Coe Mfg. Co. 51,575; renewed Apr. 17, 1926.
Steel. Crucible Steel Company of America. 48,221; renewed Dec. 19, 1925.
Steel. Crucible Steel Company of America. 48,304–6; renewed Dec. 26, 1925.
Steel. Crucible Steel Company of America. 48,307; renewed Dec. 26, 1925.
Steel. Crucible Steel Company of America. 48,368; renewed Dec. 26, 1925.
Steel. Singer, Nimick & Co. 48,334; renewed Dec. 26, 1925.
Tin and terne plates. Follansbee Brothers Company. 46,981; renewed Oct. 17, 1925.
Welding rods. Purox Company. 207,138; Dec. 22; Serial No. 207,150; published Sept. 22, 1925.

CLASS 15.

Gasoline, kerosene, lubricating oils and greases, and fuel oils. Utility Oil Corporation. 207,129; Dec. 22; Serial No. 200,023; published Sept. 1, 1925.
Grease, Axle. Frazer Lubricator Co. 46,553; renewed Sept. 26, 1925.
Lubricants. M. M. Makeever. 207,168; Dec. 22; Serial No. 209,131; published Aug. 4, 1925.
Oils and greases. Thompson Lubricating Company. 207,195; Dec. 22; Serial No. 213,810; published Oct. 6, 1925.
Oils, greases, and compounds in the nature of lubricants, Lubricating. Indian Refining Company. 207,236; Dec. 22; Serial No. 217,712; published Oct. 6, 1925.
Oils, greases, etc., for lubricating purposes. Reynolds Oil and Grease Co. 207,160–1; Dec. 22; Serial Nos. 213,258–9; published Oct. 6, 1925.
Oils, Lubricating. Schilling-Collison Company. 207,126; Dec. 22; Serial No. 187,644; published Aug. 26, 1924.

CLASS 16.

Gloss and floor dressing, Liquid. Standard Oil Company (New Jersey). 207,191; Dec. 22; Serial No. 214,512; published Oct. 6, 1925.
Liquid putty or glazing preparation. F. O. Pierce Company. 51,763; renewed Apr. 24, 1926.
Paint and antirust compositions, Water-repelling preservative. P. Lechler. 207,232; Dec. 22; Serial No. 217,349; published Oct. 6, 1925.
Paint or coating, Wall. Alabastine Company. 50,358; renewed Mar. 13, 1926.
Varnish, drier, japans, stains, etc. Walter L. Trainer Co. 207,188; Dec. 22; Serial No. 214,757; published Oct. 6, 1925.
Varnishes. John W. Masury & Son. 49,970; renewed Feb. 27, 1926.

CLASS 17.

Cigars. Alles & Fisher. 44,579; renewed July 11, 1925.
Cigars. Sanchez & Haya Co. 46,814; renewed Oct. 10 1925.

CLASS 19.

Automobile bumpers and parts thereof. Biflex Products Company. 207,197; Dec. 22; Serial No. 215,619; published Sept. 15, 1925.

CLASS 21.

Batteries or accumulators and parts thereof, Electric storage. M. Dannenhirsch. 207,151; Dec. 22; Serial No. 217,544; published Oct. 6, 1925.
Condensers, rheostats, transformers, etc., Variable plate. G. Lombardi. 207,204; Dec. 22; Serial No. 210,970; published Oct. 6, 1925.
Electric machine. Tennant Brothers, Inc. 207,142; Dec. 22; Serial No. 209,507; published Oct. 6, 1925.
Hot plates and corn-popping machines, Electric. C. V. Champion & Company. 207,201; Dec. 22; Serial No. 209,616; published Oct. 6, 1925.
Radio apparatus. The Goldschmidt Corporation. 207,194; Dec. 22.
Radio receiving sets, battery rectifiers, etc. Wildenberg Brothers. 207,163; Dec. 22; Serial No. 212,871; published Oct. 6, 1925.
Radio supplies. Trimm Radio Manufacturing Co. 207,218; Dec. 22; Serial No. 214,981; published Oct. 6, 1925.
Radio variable condensers, push-pull transformers, and tuned transformers. Como Apparatus Company. 207,272; Dec. 22.
Wireless telegraphy and telephony, Apparatus for. Bretwood, Ltd. 207,212; Dec. 22; Serial No. 214,846; published Oct. 6, 1925.

CLASS 22.

Bait, Artificial. John J. Hildebrandt Company. 207,225; Dec. 22; Serial No. 218,813; published Oct. 13, 1925.
Dolls. E. G. Adrian. 207,220; Dec. 22; Serial No. 218,942; published Oct. 13, 1925.

CLASS 23.

Boring and grinding machines, etc., and parts thereof, Simplicity Engine and Manufacturing Company. 207,176; Dec. 22; Serial No. 181,783; published Oct. 13, 1925.
Cleaning machines, Dish, etc. Colt's Patent Fire Arms Manufacturing Company. 207,230; Dec. 22; Serial No. 217,261; published Oct. 6, 1925.
Hair clippers, clipper plates and blades, and repair parts. John Oster Manufacturing Company. 207,269; Dec. 22.
Hammers. A. B. Robertson. 51,501; renewed Apr. 17, 1926.
Harrows, cultivators, plows, etc. Cutaway Harrow Company. 207,150; Dec. 22; Serial No. 217,542; published Oct. 13, 1925.
Hay loaders. Sandwich Manufacturing Co. 48,722; renewed Jan. 9, 1926.
Indexing machines. Autodex Company. 207,145; Dec. 22; Serial No. 216,251; published Oct. 6, 1925.
Knives and razors, Pocket. Adolph Kastor & Bros. 48,928; renewed Jan. 16, 1926.
Motors and parts thereof, Internal-combustion. Adolph Saurer, Inc. 207,274; Dec. 22.
Plows, cultivators, rollers, and harrows. Wiard Plow Co. 49,608; renewed Feb. 13, 1926.
Pumps, pump-controlling devices, and valves therefor. Siemen & Hinsch. 207,149; Dec. 22; Serial No. 217,233; published Oct. 13, 1925.
Saw blades, Hack-. Millers Falls Company. 207,170; Dec. 22; Serial No. 208,922; published Oct. 6, 1925.
Saws, Watchmakers'. L. H. Keller & Co. 207,258; Dec. 22.
Scrapers, Wood and cabinet. E. C. Atkins & Company. 50,810; renewed Apr. 3, 1926.
Sewing machines and needles therefor, Blindstitch. Lewis Invisible Stitch Mach. Co. 207,276; Dec. 22.
Shellers, Corn. Sandwich Manufacturing Co. 48,236; renewed Dec. 19, 1925.
Tool-making machines, automatic revolving lathes, etc. Index Werke Hahn & Kolb. 207,155; Dec. 22; Serial No. 218,010; published Oct. 6, 1925.
Typewriting machines. Smith Premier Typewriter Company. 51,572; renewed Apr. 17, 1926.

CLASS 25.

Locks, keys, and parts of locks. Best Universal Lock Co. 207,165; Dec. 22; Serial No. 212,816; published Oct. 13, 1925.

CLASS 26.

Measuring devices for concrete aggregates. Blaw-Knox Company. 207,255; Dec. 22.

CLASS 31.

Filtering material, Vegetable. Dexter Research Laboratories, Inc. 207,193; Dec. 22; Serial No. 214,466; published Oct. 6, 1925.
Refrigerators. D. Eddy & Sons Co. 49,707; renewed Feb. 13, 1926.
Refrigerators. J. Roscott. 207,226; Dec. 22; Serial No. 218,665; published Oct. 6, 1925.

CLASS 32.

Booths and stalls and miniature serving huts, Serving. W. M. Paige. 207,216; Dec. 22; Serial No. 215,351; published Sept. 29, 1925.
Furniture, Household. General Furniture Supply Co. 207,207; Dec. 22; Serial No. 213,566; published Oct. 6, 1925.
Shoe robes. M. A. Guyton. 207,215; Dec. 22; Serial No. 215,299; published Sept. 29, 1925.
Tables, Heatproof. Johnson Company. 207,133; Dec. 22; Serial No. 202,211; published Dec. 30, 1924.

CLASS 33.

Glass preserving jars. Vacuum Seal Company, Inc. 207,249; Dec. 22.

CLASS 34.

Blowtorch and branding iron. T. R. Clark. 207,271; Dec. 22.
Lamps and lanterns, Railroad. Armspear Manufacturing Company. 49,757–8; renewed Feb. 13, 1926.



Lamps and lanterns, Railroad. Armspear Manufacturing Company. 50,956; renewed Apr. 3, 1926.
Lamps, lanterns, and parts thereof. Fr. Stübgen & Co. 48,807; renewed Jan. 16, 1926.
Stoves, ranges, furnaces, and boilers. Barstow Stove Co. 49,269; renewed Jan. 30, 1926.
Stoves, ranges, heaters, furnaces, and parts thereof. Richardson & Boynton Company. 51,570; renewed Apr. 17, 1926.

CLASS 35.

Belting and thrasher belt. Gandy Belting Company. 207,211; Dec. 22; Serial No. 214,407; published Oct. 6, 1925.
Hose, Rubber. Mulconroy Company, Inc. 51,193; renewed Apr. 10, 1926.
Pump valves and sheet, etc., Packing. Crandall Packing Company. 207,135; Dec. 22; Serial No. 206,222; published June 9, 1925.
Tire casings and tubes, Automobile. United States Farm Sales Company. 207,147; Dec. 22; Serial No. 216,752; published Oct. 6, 1925.
Tire patches, Rubber. Central Laboratories Co. 207,157; Dec. 22; Serial No. 218,609; published Oct. 13, 1925.
Tires, Inner tubes for pneumatic. Hood Rubber Company. 207,144; Dec. 22; Serial No. 215,982; published Aug. 4, 1925.
Valves, Cup leathers for well. Clayton Mark & Company. 207,208; Dec. 22; Serial No. 213,659; published Sept. 22, 1925.

CLASS 37.

Books, Continuous-sales-slip. Carter-Crume Co. Limited. 46,303; renewed Sept. 12, 1925.
Books, Duplicating sales. Carter-Crume Co. Limited. 46,304; renewed Sept. 4, 1925.
Paper, Drawing. Keuffel & Esser Company. 49,252; renewed Jan. 30, 1926.

CLASS 39.

Boots and shoes. Jarman Shoe Co. 207,143; Dec. 22; Serial No. 215,790; published Sept. 15, 1925.
Boots and shoes. Jarman Shoe Co. 207,158; Dec. 22. Serial No. 219,187; published Oct. 6, 1925.
Boots and shoes, Leather. Regal Shoe Company. 48,351; renewed Dec. 26, 1925.
Clothing, Men's and young men's. Field's Club Style Clothes. 207,241; Dec. 22; Serial No. 218,251; published Oct. 13, 1925.
Clothing, Work and out-of-door. Haymon Krupp & Co. 207,242; Dec. 22; Serial No. 218,259; published Oct. 13, 1925.
Dresses, The Fair. 207,267; Dec. 22.
Dresses, Ladies'. Melville A. Gunst Costume Co. 207,180; Dec. 22; Serial No. 216,779; published Oct. 13, 1925.
Hats and caps. Dunlap & Co. 51,125; renewed Apr. 8, 1926.
Hats, caps, and bonnets. Collins & Fairbanks Company. 50,926; renewed Apr. 3, 1926.
Hose, Golf. L. Berger. 207,200; Dec. 22; Serial No. 215,769; published Sept. 8, 1925.
Hosiery. Cooper Underwear Company. 207,184; Dec. 22; Serial No. 216,019; published Oct. 6, 1925.
Hosiery, Distributing Corporation. 207,233; Dec. 22; Serial No. 215,390; published Oct. 13, 1925.
Hosiery. S. Kann Sons Company. 207,222; Dec. 22; Serial No. 218,853; published Oct. 13, 1925.
Hosiery, S. Miller. 207,240; Dec. 22; Serial No. 218,015; published Oct. 13, 1925.
Hosiery, Opotowsky & Sons. 207,257; Dec. 22.
Hosiery, Charles Broadway Rouss. 207,128; Dec. 22; Serial No. 198,966; published Nov. 11, 1924.
Jackets, vests, and coats for women. Livingston & Yost, Inc. 207,228; Dec. 22; Serial No. 216,273; published Sept. 29, 1925.
Mufflers, Weiss & Zabler. 207,229; Dec. 22; Serial No. 217,236; published Oct. 13, 1925.
Overalls, Alexander Bros. Company. 207,224; Dec. 22; Serial No. 218,838; published Oct. 13, 1925.
Overalls, Oshkosh Overall Company. 207,254; Dec. 22.
Overalls and work men's shirts, coats, and pants. H. S. Peters. 49,045; renewed Jan. 23, 1926.
Pants, Friedman Bros. 207,227; Dec. 22; Serial No. 214,656; published Sept. 15, 1925.
Robes, gowns, lounge suits, and jackets, Men's. Lewis-Wise Co. 207,179; Dec. 22; Serial No. 216,788; published Oct. 13, 1925.
Shirt waists and shirt waist suits. Hagedorn-Merz Co. 46,911; renewed Oct. 17, 1925.
Shirts, Cluett, Peabody & Co. 207,247; Dec. 22; Serial No. 218,541; published Oct. 13, 1925.
Shirts, Dress and negligee. Haynes & Co. 207,253; Dec. 22.
Shirts, pants, bloomers, knickers, etc. Chancellor & Vaughen, Inc. 207,167; Dec. 22; Serial No. 210,954; published Oct. 13, 1925.
Shirts, pyjamas, etc. Night Comfort Garment Co. 207,210; Dec. 22; Serial No. 214,212; published July 7, 1925.
Shoes, Ladies'. Hahne & Company. 50,649; renewed Mar. 27, 1926.
Shoes, Men's leather. International Shoe Company. 207,124; Dec. 22; Serial No. 184,456; published Mar. 4, 1924.
Suits and overcoats. A. Heefeld. 207,245; Dec. 22; Serial No. 218,487; published Oct. 13, 1925.
Sweaters, golf hose, and bathing suits, Knitted. J. Forstadt. 207,174; Dec. 22; Serial No. 200,439; published Oct. 13, 1925.
Underwear. Victor Garment Manufacturing Co. 207,231; Dec. 22; Serial No. 217,309; published Oct. 13, 1925.
Underwear, hosiery, sport coats and suits, etc., Knitted. Peter Scott & Co. 207,189; Dec. 22; Serial No. 214,684; published Oct. 6, 1925.
Underwear, Knit. Abraham & Straus. 51,309; renewed Apr. 10, 1926.
Underwear, Knit. Bennett Textile Company. 207,244; Dec. 22; Serial No. 218,464; published Oct. 13, 1925.

CLASS 40.

Mirrors. Fiberloid Corporation. 207,198–9; Dec. 22; Serial No. 215,688–9; published Sept. 29, 1925.
Plaits designed for the manufacture of hats. Henry Pollak, Inc. 207,192; Dec. 22.

CLASS 42.

Carpets and rugs, Textile. Barrymore Seamless Wiltons, Inc. 207,277; Dec. 22.
Cotton goods and goods of cotton and artificial silk mixed in the piece. Lorraine Manufacturing Company. 207,260; Dec. 22.
Cotton piece goods. Chiquola Mfg. Co. 51,633; renewed Apr. 17, 1926.
Cotton piece goods. Clifton Manufacturing Co. 50,924; renewed Apr. 3, 1926.
Hair nets. Guilmont & Peters. 207,261; Dec. 22.
Sheetings and drillings. Grendel Mills. 50,511; renewed Mar. 20, 1926.
Silk fabrics. Stewart Silk Company. 48,092; renewed Dec. 12, 1925.
Silks and satins. William Skinner Manufacturing Company. 50,198; renewed Mar. 6, 1926.
Wool piece goods. Roubaix Mills, Inc. 207,173; Dec. 22; Serial No. 202,462; published Nov. 4, 1924.
Wool, silk, and cotton piece goods. Haas Brothers Fabrics Corporation. 207,256; Dec. 22.

CLASS 44.

Dental brushes. J. Rubin. 207,186; Dec. 22; Serial No. 215,995; published Oct. 13, 1925.
Dental rubber. C. H. Kettles. 207,136; Dec. 22; Serial No. 206,241; published Feb. 3, 1925.
Electrical therapeutic treatment apparatus. Biola Manufacturing Company. 207,182; Dec. 22; Serial No. 216,318; published Oct. 13, 1925.

CLASS 45.

Beverages and sirups for making same. Green & Green. 207,205; Dec. 22; Serial No. 212,248; published July 28, 1925.
Fruit juices, extracts, and sirups for making soft drinks. International Company. 207,175; Dec. 22; Serial No. 186,062; published Sept. 15, 1925.
Ginger ale. Delatour Beverage Corporation. 207,265; Dec. 22.
Ginger ale, Carbonated. Lowenstein & Co. 50,688; renewed Mar. 27, 1926.
Water, Spring. Abita Spring Water Company. 207,158; Dec. 22; Serial No. 217,809; published Sept. 8, 1925.

CLASS 46.

Apples. Duthie & Company. 207,187; Dec. 22; Serial No. 215,622; published Oct. 13, 1925.
Beans, Dried. Albert Dickinson Company. 49,917; renewed Feb. 20, 1926.
Biscuits, crackers, and wafers. Hitchner Biscuit Co. 49,547; renewed Feb. 6, 1926.
Biscuits, puppy biscuits, meal for dogs, and Pup-O. Dog. California Animal Products Co. 207,278; Dec. 22.
Candy. Boston Confectionery Co. 207,223; Dec. 22; Serial No. 218,843; published Oct. 13, 1925.
Candy. Bunte Brothers. 207,196; Dec. 22; Serial No. 213,689; published Oct. 13, 1925.
Candy. Bunte Brothers. 207,209; Dec. 22; Serial No. 214,124; published Aug. 18, 1925.
Candy. E. A. Hoffman Candy Co. 207,146; Dec. 22; Serial No. 216,536; published Oct. 6, 1925.
Candy, Gardner's Candies, Inc. 207,131; Dec. 22; Serial No. 201,401; published Mar. 3, 1925.
Candy. New England Confectionery Co. 49,239; renewed Jan. 30, 1926.
Candy. New England Confectionery Co. 49,295; renewed Jan. 30, 1926.
Candy, Reymer & Brothers, Inc. 50,690; renewed Mar. 27, 1926.
Candy and candied nuts. N. P. Damianakes. 207,178; Dec. 22; Serial No. 216,876; published Oct. 13, 1925.
Candy bars, Milk-chocolate nut. Myer Candy Company. 207,206; Dec. 22; Serial No. 213,393; published Oct. 6, 1925.
Canned corn. Iroquois Canning Corporation. 207,140; Dec. 22; Serial No. 208,146; published Apr. 28, 1925.
Canned fish. John Braadland, Ltd. 207,123; Dec. 22; Serial No. 177,591; published Mar. 3, 1925.
Canned fish and lobster, coffee, flour, etc. Central Wholesale Grocers. 207,238; Dec. 22; Serial No. 217,814; published Oct. 13, 1925.

Canned fruits and vegetables. M. E. Horton, Inc. 207,237; Dec. 22; Serial No. 217,783; published Oct. 13, 1925.
Canned fruits, berries, vegetables, fish, and meats, condiments, etc. Puryear Grocer Company. 207,134; Dec. 22; Serial No. 202,893; published Mar. 24, 1925.
Canned salmon. J. G. Megler. 50,050–2; renewed Feb. 27, 1926.
Canned salmon. J. G. Megler. 50,281–2; renewed Mar. 6, 1926.
Canned tomatoes. Nelson Canning Company. 207,171; Dec. 22; Serial No. 205,025; published Oct. 13, 1925.
Cereal breakfast foods. Kellogg Company. 207,268; Dec. 22.
Cereals, Breakfast foods prepared from. Postum Cereal Co. Limited. 51,153; renewed Apr. 3, 1926.
Chocolate. Ideal Cocoa & Chocolate Co. 207,218; Dec. 22; Serial No. 219,244; published Oct. 13, 1925.
Chocolate bars. Kibbe Brothers Company. 207,235; Dec. 22; Serial No. 217,625; published Oct. 13, 1925.
Chocolate drops. New England Confectionery Co. 46,683; renewed Oct. 3, 1925.
Chocolate drops. New England Confectionery Co. 49,294; renewed Jan. 30, 1926.
Chocolates, candy, biscuits, and cocoa. M. t. E. v. Rademaker's Kon. Cacao & Chocolade Fabrieken. 207,148; Dec. 22; Serial No. 216,792; published Oct. 6, 1925.
Coffee. B. A. Livierato. 207,221; Dec. 22; Serial No. 218,857; published Oct. 13, 1925.
Coffee. Sehon, Stevenson & Co. 207,214; Dec. 22; Serial No. 215,184; published July 14, 1925.
Coffee. H. G. Tombler Grocery Co. 51,109; renewed Apr. 3, 1926.
Coffee, Green. Leon Israel & Bros. Inc. 207,169; Dec. 22; Serial No. 209,039; published Oct. 13, 1925.
Coffee, rice, currants, and mincemeat. Janszen Grocery Company. 207,264; Dec. 22.
Figs and table sirup. Angleton Fig Company. 207,159. Dec. 22; Serial No. 213,610; published Oct. 13, 1925.
Flavoring extracts. Howell Co. 207,239; Dec. 22; Serial No. 217,880; published Oct. 13, 1925.
Flour, Wheat. Bay State Milling Company. 50,604; renewed Mar. 27, 1926.
Food, Poultry. Albert Dickinson Company. 51,054; renewed Apr. 3, 1926.
Food products. Marshak Maltmolak Co. 207,127; Dec. 22; Serial No. 198,465; published Sept. 23, 1924.
Ham and bacon. Jacob Moschel's Sons Inc. 207,130; Dec. 22; Serial No. 201,300; published Dec. 9, 1924.
Ham, bacon, and sausage. G. L. Schmidt. 207,275; Dec. 22.
Jellies and fruit preserves. American Preserve Co. 207,217; Dec. 22; Serial No. 219,320; published Oct. 13, 1925.
Oil, Oleo. G. H. Hammond Company. 207,152; Dec. 22; Serial No. 217,770; published Oct. 6, 1925.
Oleomargarine, etc. Troco Company. 207,246; Dec. 22; Serial No. 207,246; published Oct. 6, 1925.
Oranges, lemons, and grapefruit. Foothill Groves. 207,162; Dec. 22; Serial No. 212,910; published Oct. 13, 1925.
Oranges, lemons, and grapefruit. Orange Heights Fruit Association. 207,219; Dec. 22; Serial No. 218,996; published Oct. 13, 1925.
Pears, peaches, plums, Fresh. Placerville Fruit Growers Association. 207,177; Dec. 22; Serial No. 217,181; published Oct. 13, 1925.
Pepper sauce, Sweet spiced. Fleming-Green Company. 218,302; Dec. 22; Serial No. 207,156; published Oct. 6, 1925.
Salad dressing. Shaeffer Products Co. 207,125; Dec. 22; Serial No. 186,805; published May 19, 1925.
Sauces, Food. L. Vallee & Company. 211,311; Dec. 22; Serial No. 207,166; published Oct. 6, 1925.
Sirup, Food. W. B. Roddenbery. 207,270; Dec. 22.
Soups and gravies. Thickening agent for. Creme-Oil-Blend Co. 207,183; Dec. 22; Serial No. 216,153; published Oct. 13, 1925.
Tapioca. C. A. McKinley. 207,172; Dec. 22; Serial No. 204,619; published Oct. 6, 1925.
Teas. G. B. Farrington Company. 46,528; renewed Sept. 26, 1925.
Toffee. Slade & Bullock Limited. 207,266; Dec. 22.

CLASS 49.

Whisky. Pen-Mar Distilling Co. 50,397; renewed Mar. 13, 1926.
Whisky. J. D. Ulrich. 50,215; renewed Mar. 6, 1926.

CLASS 50.

Signs, Glass and metal advertising. Rodwell Sign Co. 48,720; renewed Jan. 9, 1926.

## ALPHABETICAL LIST OF LABELS.

Am-O-los. For a Cough Sirup. Lauber & Lauber Co. 29,673; Dec. 22.
Cambria Tint. For Window-Shade Cloth. Illinois Shade Cloth Corporation. 29,666; Dec. 22.
Campaign Cigarettes, Vote For. For Cigarettes. J. W. W. Brodis and E. L. Brodis. 29,653; Dec. 22.
Colortone Shading. For Window-Shade Cloth. Illinois Shade Cloth Corporation. 29,667; Dec. 22.
Coronado. For Canned Peaches. Fred B. Neuhoff Company. 29,679; Dec. 22.
Coronado. For Canned Tomatoes. Fred B. Neuhoff Company. 29,680; Dec. 22.
Country Club. For Malt Cereal Beverage. M. K. Goetz Brewing Company. 29,662; Dec. 22.
Dee-licious Brick Ice Cream. For Ice Cream. Sutherland Paper Company. 29,698; Dec. 22.
"Dipin" Cracker Meal. For Cracker Meal. Adolf J. Mainzer, Inc. 29,675; Dec. 22.
Eat C and B Bread. For Bread. Carpenter and Bro. 29,654; Dec. 22.
Eveready Dry Cell Radio "A" Battery. For Electric Batteries. National Carbon Company. 29,677; Dec. 22.
Extra Strong, Koops' Prepared Mustard. For Mustard. P. Koops. 29,672; Dec. 22.
Fermalt. For Powdered Malt for Baking Purposes. Improved Manufactured Prod. Corporation. 29,669; Dec. 22.
Free Running Salt. For Salt. Union Salt Co. 29,699; Dec. 22.
Iodine Salt. For Salt. International Salt Company. 29,671; Dec. 22.
Jolly Time Brand Hulless Pop Corn. For Raw Pop Corn. American Pop Corn Company. 29,648; Dec. 22.
Mahogany Creme Cake Mix. For Cake Mix. E. M. Mathiessen. 29,676; Dec. 22.
Mammoth Material Box of Valentine Mechanicals. For Boxes of Valentine Material. George C. Whitney Company. 29,702; Dec. 22.
Mange-Eze. For a Mange Remedy. Sunland Laboratories, Inc. 29,697; Dec. 22.
Marvel Super Quality Shading. For Window-Shade Cloth. Illinois Shade Cloth Corporation. 29,668; Dec. 22.
Material For Making Large Lace Valentines. For Boxes of Valentine Material. George C. Whitney Company. 29,700; Dec. 22.
National Mint Chews. For Chewing Gum. National Gum Co. 29,678; Dec. 22.
93. For Whisky. H. Blum. 29,652; Dec. 22.
No. 220 Straight Two Way Plug. For Straight Two-Way Plugs. Reynolds Spring Company. 29,692; Dec. 22.
No. 220 Two Way Straight Convenience Socket. For Two-Way Straight Convenience Sockets. Reynolds Spring Company. 29,691; Dec. 22.
No. 240 Two Way Angle Convenience Socket. For Two-Way Angle Convenience Sockets. Reynolds Spring Company. 29,684; Dec. 22.
No. 340 Angle Three Way Convenience Socket. For Convenience Sockets. Reynolds Spring Company. 29,686; Dec. 22.
No. 360 Three Way Combination Socket. For Convenience Sockets. Reynolds Spring Company. 29,687; Dec. 22.
No. 380 Tri-O-Let. For Convenience Taps. Reynolds Spring Company. 29,693; Dec. 22.
No. 420 Separable Attachment Plug. For Separable Attachment Plugs. Reynolds Spring Company. 29,685; Dec. 22.
No. 500 Universal Heater Connector. For Heater Connectors. Reynolds Spring Company. 29,688; Dec. 22.
No. 610 Appliance Cord Set. For Switched Universal Connecters. Reynolds Spring Company. 29,689; Dec. 22.
Our Highest Quality Bread. For Bread. Preston E. Roberts, Inc. 29,694–5; Dec. 22.
Pencil-Edge. For Glass. Hires Turner Glass Company. 29,664; Dec. 22.
Penns Extra Smoking and Chewing Tobacco. For Tobacco. Penn Tobacco Company. 29,681; Dec. 22.
Peter-Pan. For Raisins. J. B. Inderrieden Co. 29,670; Dec. 22.
Process Lavatory Tischine. For Toilet Paper. Hoberg Paper & Fibre Company. 29,665; Dec. 22.
R L C. For Canned Ripe Olives. R. L. Craig & Co. 29,656; Dec. 22.
R L C. For Canned Succotash. R. L. Craig & Co. 29,657; Dec. 22.
R L C. For Canned Chili Sauce. R. L. Craig & Co. 29,658; Dec. 22.
R L C. For Canned Lima Beans. R. L. Craig & Co. 29,659; Dec. 22.
R L C. For Canned Tomato Sauce. R. L. Craig & Co. 29,660; Dec. 22.
R L C. For Canned Salmon. R. L. Craig & Co. 29,661; Dec. 22.
Real Nut. For Oleomargarine. Standard Nut Margarine Company. 29,696; Dec. 22.
Reynolite No. 380 Tri-O-Let. For Convenience Taps. Reynolds Spring Company. 29,690; Dec. 22.
Ripe Brown. For Cigars. Bayuk Cigars, Incorporated. 29,651; Dec. 22.



Ripe Light. For Cigars. Bayuk Cigars, Incorporated. 29,649; Dec. 22.
Ripe Light Brown. For Cigars. Bayuk Cigars, Incorporated. 29,650; Dec. 22.
Senorita. For Coffee & Chicory Compound. H. M. B. Mack. 29,674; Dec. 22.
Shamrock, The Perfect Tonic. For Medicinal Tonic. Purexo Products Company. 29,683; Dec. 22.
Uncle Jake's Nickel Seegar. For Cigars. Goldman Brothers. 29,663; Dec. 22.
Vinzymo, The Perfect Tonic Food. For Medicinal Tonic. Purexo Products Co. 29,682; Dec. 22.
White Beauties. For Eggs. H. C. Christians Co. 39,655; Dec. 22.
Whitney's Valentine Wonder Box. For Boxes of Valentine Material. George C. Whitney Company. 29,701; Dec. 22.

## ALPHABETICAL LIST OF PRINTS.

Cartons of a Particular Nature. For Paper Cartons. Sefton Manufacturing Corporation. 8,478; Dec. 22.
Cunningham Radio Tubes Bring Big Games to You Play by Play. For Radiotubes. E. T. Cunningham, Inc. 8,463; Dec. 22.
Cunningham Radio Tubes Bring Complete Weather Reports. For Radiotubes. E. T. Cunningham, Inc. 8,464; Dec. 22.
Federal. For Welded Solid Steel Store Fronts and Show Windows. Federal Steel Sash Company. 8,466; Dec. 22.
Gordon Seat Covers—Keep Your Car Clean—Protect Upholstery. For Seat Covers. J. P. Gordon Company. 8,470; Dec. 22.
I Realize Now Why So Many Physicians Prefer This Form of Hay Fever Treatment. For Vaccine-Tube Points. H. K. Mulford Company. 8,473; Dec. 22.
Jets of Crystal. For Heinz 57 Varieties. H. J. Heinz Company. 8,471; Dec. 22.
Know What's Inside the Furniture You Buy. For Furniture. Franklin Furniture Co. 8,469; Dec. 22.
Millions—Who Never Eat Ice Cream . . . . Will Enjoy It Now! For Frozen Confections. Eskimo Pie Corporation. 8,465; Dec. 22.
Nehi. For a Nonalcoholic, Maltless, Noncereal Beverage Sold as a Soft Drink. Chero-Cola Company. 8,462; Dec. 22.
No. 220 Straight Two Way Combination Plug. For Straight Two-Way Combination Plugs. Reynolds Spring Company. 8,477; Dec. 22.
No. 380 Tri-O-Let. For Convenience Taps. Reynolds Spring Company. 8,476; Dec. 22.
O'Brien's Laker-It. For Brushing Lacquer. O'Brien Varnish Company. 8,474; Dec. 22.
Quality and Service Endure. For Coffee. Jas. H. Forbes Tea & Coffee Co. 8,468; Dec. 22.
Roasting Coffee in the 16th Century. For Coffee. Jas H. Forbes Tea & Coffee Co. 8,467; Dec. 22.
The Pony Express. For Food Products. Reid, Murdoch & Co. 8,475; Dec. 22.
Yes, Cooked by Heinz. For Spaghetti. H. J. Heinz Company. 8,472; Dec. 22.

## CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. C. G. Blake Company. 219,572; Dec. 22.
Coal. A. F. Dietrich. 220,843; Dec. 22.
Coal. Ray County Coal Co. 221,977; Dec. 22.
Coal. Richvein Coal Company. 221,717; Dec. 22.
Coal and coke. E. Ambler. 208,888; Dec. 22.

CLASS 2.

Baskets, Flower. Stollery Bros., Inc. 222,528; Dec. 22.
Boxes and containers, Art. Beautebox, Inc. 204,300; Dec. 22.
Boxes, Foldable mailing. C. J. Fox Company. 221,549; Dec. 22.
Tanks, Septic. F. E. Clark. 222,109; Dec. 22.

CLASS 4.

Metal-polishing compound. A. O. Bettes Mfg. Co. 218,728; Dec. 22.

CLASS 5.

Adhesive cement. Bakelite Corporation. 221,589; Dec. 22.
Adhesive cement. Bakelite Corporation. 221,594; Dec. 22.

CLASS 6.

Antiseptic cones and powder, beef, iron, and wine, blackberry balsam, etc. Brunswig Drug Company. 197,923; Dec. 22.
Asthma medicine, toothache, corn, cough, and cold medicines, salve, etc. J. J. Georgia. 221,891; Dec. 22.
Disinfectants. Masury-Young Company. 221,755; Dec. 22.
Face powder and packs, pore cream, wave lotion, perfumes, etc. Crystal-Lee, Inc. 222,443; Dec. 22.
Ink eraser or eradicator. A. M. Phillips. 222,796; Dec. 22.
Insecticides. Andrew Wilson, Incorporated. 199,447; Dec. 22.
Laxative confection. T. H. Odeneal. 222,699; Dec. 22.
Medicine to be used in dermatology, venereology, gynecology, and in treatment of cancer. H. Truttwin. 179,016; Dec. 22.
Moth killer and moth preventive, Chemical. F. A. Gardner. 221,053; Dec. 22.
Mouth wash, Antiseptic. J. P. Frey. 218,810; Dec. 22.
Nitrous oxid, ethylene ether, $CO_2$ ether, Dunlop vapor, etc. Ohio Chemical and Manufacturing Company. 222,517; Dec. 22.
Oil, Soluble. John Campbell & Co. 223,367; Dec. 22.
Perfume and toilet water. Chanel Inc. 223,213–15; Dec. 22.
Perfumes, toilet water, face powder, bath salts, etc. S. S. Pierce Co. 222,575–6; Dec. 22.
Powder, Face. Ahlschlager & Edwards. 223,453; Dec. 22.
Salve, E. O'Connor. 215,650; Dec. 22.
Salve, Fistula. J. Golba. 221,957; Dec. 22.
Toilet preparations. National Department Stores, Inc. 200,518; Dec. 22.

CLASS 8.

Pipes, pipe stems and bowls, cigar and cigarette holders, etc. Bakelite Corporation. 212,533; Dec. 22.

CLASS 9.

Pistol grips and butt plates. Bakelite Corporation. 222,424; Dec. 22.

CLASS 12.

Cedar products, Tennessee aromatic red-. Chickamauga Cedar Company. 210,644; Dec. 22.
Insulating material, Sheets of. Keystone Hair Insulator Company. 221,262; Dec. 22.
Pipe covering, Sectional. Johns-Manville Incorporated. 167,046; Dec. 22.

CLASS 13.

Clothes posts, Steel. Banks Steel Post Company. 223,158; Dec. 22.
Cooking utensils and dishes. McClary Mfg. Co. 220,460; Dec. 22.
Nozzles, Gasoline-hose. C-V Equipment Corporation. 222,222; Dec. 22.
Sash weights. American Sashweight Co. 222,723; Dec. 22.

CLASS 14.

Iron and steel. Tennessee Coal, Iron & Railroad Company. 221,984; Dec. 22.

CLASS 15.

Gasoline. Glasgow Oil and Refining Co. 221,005; Dec. 22.
Gasoline. Pocahontas Oil Company. 222,394; Dec. 22.
Gasoline, kerosene, lubricating oils and greases. National Automobile Service Corporation. 218,986; Dec. 22.
Oils and greases, Lubricating. Masury-Young Company. 220,244; Dec. 22.

CLASS 16.

Coating preparations. Toch Brothers, Incorporated. 222,096; Dec. 22.
Coating preparations. Toch Brothers, Incorporated. 222,290; Dec. 22.
Colors, Artists'. Winsor & Newton, Ltd. 222,150; Dec. 22.
Filler, primer, sealer, and surfacer. Lowe Brothers Company. 222,512; Dec. 22.
Paint enamels, lacquers, and varnishes. Bakelite Corporation. 221,591; Dec. 22.
Paint enamels, paints, and finishing materials. Red Spot Paint & Varnish Company. 216,213; Dec. 22.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Paint solution, rustproof and damproof paints. W. A. Sealey. 220,975; Dec. 22.
Paint, varnishes, varnish and oil stains, etc. C. A. Woolsey Paint & Color Co. 220,932; Dec. 22.
Polishes. Eugene E. Nice Company. 221,023; Dec. 22.
Polishes, top dressing, engine enamel, and tire paint. John T. Stanley Co. 221,783; Dec. 22.
Primers, surfacers, paint enamels, solvents, etc. Standard Varnish Works. 221,858; Dec. 22.
Varnish primer and liquid filler. Lowe Brothers Company. 222,514; Dec. 22.

CLASS 17.

Cigarettes. F. C. Hitch. 220,024; Dec. 22.
Tobacco, Smoking and chewing. Excelsior Tobacco Co. 221,545; Dec. 22.

CLASS 19.

Aircraft, airships, balloons, and parts thereof and accessories. Aircraft Development Corporation. 185,890; Dec. 22.
Automobiles, automobile wheels, radiators, chassis, bodies, and parts thereof. Adolph Saurer, Inc. 220,681; Dec. 22.
Chassis of automotive vehicles and component parts thereof. Pierce-Arrow Motor Car Company. 186,665; Dec. 22.

CLASS 22.

Fishing lines. United States Whip Company. 217,121; Dec. 22.
Fishing tackle. Frost Fishing Tackle Company. 220,845; Dec. 22.
Golf bags. Pocono Rubber Cloth Company. 204,192; Dec. 22.
Hammocks, Cotton, silk, and jute. Hohlfeld Manufacturing Company. 215,302; Dec. 22.
Kites. Hi-Flier Manufacturing Company. 203,175; Dec. 22.

CLASS 23.

Grain peeling and scouring machines. Kaspar Getreideschaelmaschine, G. m. b. H. 218,854; Dec. 22.

CLASS 26.

Photographic papers, photographic apparatus, plates, and films. Light-sensitized. Mimosa Aktiengesellschaft. 205,833; Dec. 22.
Spectacle temples. Bausch and Lomb Optical Company. 223,075; Dec. 22.

CLASS 29.

Powder puffs. Western Bottle Manufacturing Company. 223,007; Dec. 22.

CLASS 32.

Combination articles which may be used as a table or tub. B. H. Darrow. 221,949; Dec. 22.
Cushions, Chair and davenport. Kloud Upholstering Co. 219,826; Dec. 22.
Furniture, Office. West-Made Desk Company. 221,466; Dec. 22.
Mattresses, pillows, and bed springs. Progress Bedding Co. 206,688; Dec. 22.

CLASS 35.

Brake lining and clutch facings, valve-stem packing, felt washers, etc. National Automotive Parts Association. 218,886; Dec. 22.
Tires and inner tubes, Vehicle. Brunswick Tire Corporation. 222,496; Dec. 22.
Tires and tubes, Automobile. Gryphon Rubber & Tire Corp. 220,302; Dec. 22.

CLASS 37.

Mailing container. J. C. Bardell. 220,636; Dec. 22.
Paper, Wrapping. Northwest Paper Company. 222,132; Dec. 22.
Paper, Writing, drawing, and printing. Northwest Paper Company. 222,133; Dec. 22.
Stencil cards. Rapid Addressing Machine Company. 222,404–5; Dec. 22.

CLASS 38.

Bulletin, Weekly. Cook County Real Estate Board. 211,081; Dec. 22.
Magazine published periodically. Simmons Boardman Publishing Co. 222,196–7; Dec. 22.
Publication, Monthly. G. Barry. 221,734; Dec. 22.

CLASS 39.

Bath robes and bath robings. Herzog and Kramer. 222,747; Dec. 22.
Brassière girdle, and drawers Combined. Lucile Somarco Brassiere. 222,041; Dec. 22.
Brassières. Blue Bird Brassiere Company. 171,826; Dec. 22.
Brassières and combination undergarments. L. F. Tighe. 221,790; Dec. 22.
Brassières, corsets, and underwear. Boyshform Brassiere Co. 218,730; Dec. 22.
Brassières, girdle and brassière combinations, girdles, and corsets. H. A. Grunewald and L. P. Keller. 222,180; Dec. 22.
Boots and shoes. Rice & Hutchins, Incorporated. 222,943; Dec. 22.
Coats, vests, trousers, rompers, bloomers, etc. J. Schoeneman, Incorporated. 222,709–10; Dec. 22.
Corsets. Marshall Field & Company. 222,604; Dec. 22.
Dresses. Barmon Brothers Company. 222,812; Dec. 22.
Dresses and aprons. Korach Brothers. 217,467; Dec. 22.
Gloves. Goessling and Ferre, Inc. 222,235; Dec. 22.
Gloves, Leather. Daniel Jeitteles, Esslingen. 222,122; Dec. 22.
Gloves, socks, sweaters, half hose, and bathing suits, Knit. Adirondack Knit Goods Co. 222,653; Dec. 22.
Hats. Goldman-O'Brien Nassauer Mfg. Co. 208,977; Dec. 22.
Hats, Ladies'. B. Altman & Co. 221,044; Dec. 22.
Hats, Ladies' and misses'. Harris & Capelle. 216,044; Dec. 22.
Heels, Rubber. United Shoe Machinery Corporation. 222,643; Dec. 22.
Hosiery and knitted underwear, Men's. Levi Strauss and Company. 221,079; Dec. 22.
Knickerbockers, Ladies' and Misses'. Reliance Togs, Inc. 222,942; Dec. 22.
Neckties. H. F. Waters. 221,397; Dec. 22.
Neckties and cravats. J. Teran. 221,462; Dec. 22.
Overcoats, wraps, suits, and trousers. Max B. Brummer & Son Inc. 219,674; Dec. 22.
Shirts. Marlboro Shirt Company. 221,126; Dec. 22.
Shirts and blouses. S. Stingel. 222,094; Dec. 22.
Shoes. Wizard Lightfoot Appliance Company. 221,864; Dec. 22.
Shoes, Leather. E. S. Levy & Company. 215,156; Dec. 22.
Shoes, Women's. Chicago Mail Order Company. 222,662; Dec. 22.
Suits, Men's. M. Steinberg. 220,091; Dec. 22.
Underwear. Bethlehem Textiles Co. 219,163; Dec. 22.
Underwear, bathing suits, hosiery, shirts, etc. G. Louis Company. 222,184; Dec. 22.
Underwear, Knitted. W. T. Grant Company. 222,743; Dec. 22.
Whole soles, half soles, heels, and the service of rebuilding shoes, etc. R. J. Tauh. 221,518; Dec. 22.

CLASS 40.

Buttons. B. Blumenthal & Co. 217,918; Dec. 22.

CLASS 42.

Rugs and carpets, Textile. H. G. Fetterolf Company. 222,111; Dec. 22.
Sheets pillowcases, bedspreads, bolster cases and shams, napkins, etc. A. S. Herrmann Inc. 211,520; Dec. 22.

CLASS 43.

Yarn, sewing silk, silk twist, silk thread, etc., Cotton. Derwent Mills Ltd. 217,210; Dec. 22.

CLASS 44.

Forceps. H. Friedman. 223,031; Dec. 22.
Forceps. Thomas Products, Inc. 222,415; Dec. 22.
Sanitary napkins. Caledonia Cellulose Company. 222,010; Dec. 22.
Telephonic device for aiding defective hearing. Dictograph Products Corporation. 202,934; Dec. 22.

CLASS 45.

Beverages and compounds for making the same. Citrus Products Company. 222,497; Dec. 22.
Beverages and sirups and extracts for making same. Hudson Valley Pure Food Company. 222,255; Dec. 22.
Beverages sold as soft drinks and extracts and sirups for making the same. Michigan Drug Co. 221,906; Dec. 22.
Ginger ale. Fred W. Wilson, Inc. 221,152; Dec. 22.
Sirups used in the preparation of soft drinks. G. B. Raffetto, Inc. 216,991; Dec. 22.

CLASS 46.

Butter. Henningsen Creamery Co. 219,966; Dec. 22.
Butter, cheese, and evaporated milk. P. E. Sharpless Company. 220,924; Dec. 22.
Candy. Brecht Candy Company. 222,006; Dec. 22.
Candy. H. D. Foss & Co. 221,484; Dec. 22.
Candy. C. T. Fund. 205,329; Dec. 22.
Candy bar and an ice-cream brick. J. L. Johns. 222,123; Dec. 22.
Canned chicken broth. E. K. Pond Company. 221,637; Dec. 22.
Canned fruits. Charles Hewitt & Sons Company. 222,120; Dec. 22.
Canned fruits, vegetables, and fruit preserves, coffee, teas, etc. C. F. Naegele. 220,790; Dec. 22.
Canned pineapple. Pearl City Fruit Co. 210,311; Dec. 22.
Canned sausage. Western Sausage & Provision Co. 210,939; Dec. 22.



PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Canned stringless beans, Keiffer pears, and corn. American Stores Company. 220,836; Dec. 22.
Cereal breakfast food. Mrs. R. C. Massey and Mrs. E. W. Cairncross. 172,951; Dec. 22.
Chocolate. Lamont, Corliss & Company. 221,840; Dec. 22.
Coffee. Young & Griffin Coffee Co. 219,510; Dec. 22.
Cookies, cakes, crackers, and biscuits. Purity Biscuit Company. 222,397; Dec. 22.
Crackers. Schust Company. 212,416; Dec. 22.
Dietetical products. A. & W. Lindt. 219,827; Dec. 22.
Feed for poultry, Mineral. Moorman Mfg. Co. 222,332; Dec. 22.
Flavoring extracts. C. N. Whitson. 220,751; Dec. 22.
Flour, granulated meal, laying mash, bran, etc., Buckwheat. George Q. Moon & Company. 218,864; Dec. 22.
Flour, Pancake. L. R. Donelson, jr. 222,600; Dec. 22.
Flour, Wheat. Colonial Milling Co. 222,119; Dec. 22.
Flour, Wheat. Northwestern Milling Co. 221,502; Dec. 22.
Food consisting principally of nuts, Prepared. J. E. Hearn. 222,028; Dec. 22.
Fruit, Dried. California Prune & Apricot Growers Association. 220,278; Dec. 22.
Ice-cream powder. Chittenden, Turner & Company. 220,497; Dec. 22.
Jelly, fruit preserves, mustard, catchup, vinegar, etc. Penn Vinegar Company. 217,359; Dec. 22.
Jelly powders. J. F. Ens. 222,228; Dec. 22.
Lard and cheese. Del Monte Properties Company. 222,372; Dec. 22.
Matzoths, matzoth meal, matzoth ferfel, and alimentary paste products. A. Goodman & Sons, Inc. 204,505; Dec. 22.
Milk, Chocolate Malted. Pango Milk Chocolate Company. 222,339; Dec. 22.
Oranges, lemons, and grapefruit. Azusa Citrus Association. 220,489; Dec. 22.
Pickles. Squire Dingee Company. 221,287; Dec. 22.
Potatoes, Shoe-string or French fried. Colorado Potato Flake and Manufacturing Company. 212,676; Dec. 22.
Sirups, Table and cooking. Egerton Brothers. 222,170; Dec. 22.
Stock feed. Black & White Milling Company. 220,285; Dec. 22.
Vegetables and citrous and deciduous fruits, canned milk, etc., Fresh. H. C. Bohack Co. 189,096; Dec. 22.

CLASS 48.

Malt extracts. Reliance Malt Products Co. 221,279; Dec. 22.
Malt sirups. A. Warren. 216,807; Dec. 22.

CLASS 50.

Bottles and other containers, Caps or closure devices for. Owens Bottle Company. 213,664; Dec. 22.
Glass run channels. Detroit Rubber Products, Inc. 220,707; Dec. 22.
Sheets, Waterproofed cotton fleeced crib. R. Falter. R. Falter. 221,003; Dec. 22.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 22D DAY OF DECEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A C Spark Plug Company. (See Champion, Albert, assignor.)

Abbott, William F. (See McMeen, James M., assignor.)

Aberdeen, Palmer, Toronto, Ontario, Canada. Attachment for maintaining keys in keyholes. 1,566,806; Dec. 22.

Acheson Graphite Company. (See Lavene, Harry A., assignor.)

Ackerman, Bernard, New York, N. Y. Door bolt. 1,566,805; Dec. 22.

Adams, Louis M., Los Angeles, Calif. Rail support. 1,566,639; Dec. 22.

Adamson, Charles E., Wabash, assignor of one-half to P. L. Zorbaugh, Fort Wayne, Ind. Portable baking and cooking oven. 1,566,900; Dec. 22.

Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)

Aktiebolaget Vaporackumulator. (See Frenne, N., and Saxberg, assignors.)

Alden, Charles A., Steelton, Pa. Tobacco pipe 1,566,786; Dec. 22.

Alexander, Lewis, and W. H. H. Hastings, Clinton, Ill. Protective shield. 1,566,300; Dec. 22.

Alloys Company, The. (See Newell, Minton H., assignor.)

American Autocashier Co. (See McGee, Richmond M., assignor.)

American Pin Company, Division Scovill Manufacturing Company, The. (See Buechele, Louis F., assignor.)

American Smelting and Refining Company. (See Stack, James R., assignor.

American Telephone and Telegraph Company. (See Clark, A. B., and Hoyt, assignors.)

American Telephone and Telegraph Company. (See Martin, William H., assignor.)

American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)

American Telephone and Telegraph Company. (See Peterson, George H., assignor.)

American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)

American Thread Company, The. (See Clark, Robert K., assignor.)

American Tissue Mills. (See Perkins, John L., assignor.)

Amsden, Sidney H., assignor to Norton Company, Worcester, Mass. Grinding-machine-spindle bearing. 1,567,018; Dec. 22.

Andersen, William K., Brooklyn, N. Y. Motor-vehicle radiator cap. Des. 69,061; Dec. 22.

Anderson, Albert, Tottenville, N. Y. Automobile brake. 1,566,569; Dec. 22.

Anderson, Harold N., Cleveland, Ohio. Forming teeth on gears. 1,566,951; Dec. 22.

Anderson, William C., et al. (See Stevens, George M., assignor.)

Andreau, Jean E., Leognan, France. Bearing for articulation of three connecting rods. 1,566,720; Dec. 22.

Antisell, Frank L., Perth Amboy, N. J. Producing electrolytic copper. 1,566,265; Dec. 22.

App, Louis D., Scappoose, Oreg. Track-laying machine. 1,566,570; Dec. 22.

Appleton, Joseph, St. Helens, England. Drinking fountain for birds or domestic animals. 1,566,571; Dec. 22.

Armstrong, Harley J., Seattle, Wash., assignor to The Marion Steam Shovel Company, Marion, Ohio. Spacer for dipper handles. 1,566,572; Dec. 22.

Art Metal Construction Company. (See Card, E. J., and Turner, assignors.)

Auld, John W., Los Angeles, Calif. Plasterer's float. 1,566,515; Dec. 22.

Auto Pneumatic Action Company. (See Danquard, Thomas, assignor.)

Ayotte, Joseph C., Biddeford, Me. Shuttle lock. 1,566,721; Dec. 22.

Babcock & Wilcox Company, The. (See Davy, Christopher, S. and C. H., assignors.)

Bacon, Charles J., Buffalo, N. Y., assignor to Du Pont Fibersilk Company, Inc. Thread guide. 1,566,807; Dec. 22.

Baker, Abner D., Swanton, Ohio. Stoker. 1,566,808; Dec. 22.

Baker, Joseph, Sons & Perkins Company. (See Baker, R. E., and Harber, assignors.)

Baker, Robert E., Bronxville, and L. S. Harber, Katonah, assignors to Joseph Baker Sons & Perkins Company, Inc., White Plains, N. Y. Conveyer. 1,566,516; Dec. 22.

Balletti, John C., et al. (See Stevens, George M., assignor.)

Ballman, Charles W., Indianapolis, Ind. Scaffold bracket. 1,566,722; Dec. 22.

Banner Rubber Company, The. (See Christensen, Hans, assignor.)

Bardy Motion Picture Machine Company. (See Bardy Samuel, assignor.)

Bardy, Samuel, assignor to Bardy Motion Picture Machine Company, Philadelphia, Pa. Framing device. 1,566,360; Dec. 22.

Barnes, Irving, Westwood, N. J. Musical-instruction device. 1,567,019; Dec. 22.

Barnet, John S., Oakland, Calif. Fastener. 1,566,723; Dec. 22.

Barnett, Maurice. (See Burgess, Louis, assignor.)

Baron, Charles S., Tiffin, Ohio. Liquid container and top therefor. 1,566,573; Dec. 22.

Baron, Louis B., London, England. Cigarette-making machine. 1,566,809; Dec. 22.

Barrell, Charles S., Boston, Mass. Tire. 1,566,266; Dec. 22.

Bartell, Harry R., assignor to Commonwealth Steel Company, St. Louis, Mo. Locomotive frame. 1,566,461; Dec. 22.

Bartlett-Collins Glass Company, The. (See Bridges, H. A., and Lamparter, assignors.)

Barton, Hilla J. (See Brandt, E., and Barton.)

Bashline, George S., Wynona, Okla. Stuffing box. 1,566,462; Dec. 22.

Bates, Adelmer M., and A. Krasa, assignors to Bates Valve Bag Company, Chicago, Ill. Trimmer for sewing machines. 1,566,810; Dec. 22.

Bates, Adelmer M., and A. Krasa, assignors to Bates Valve Bag Company, Chicago, Ill. Trimmer for sewing machines. 1,566,811; Dec. 22.

Bates, Francis C., assignor of one-half to R. Naismith, San Jose, Calif. Figure toy. 1,566,724; Dec. 22.

Bates Valve Bag Company. (See Bates, A. M., and Krasa, assignors.)

Baum, Seymour J. (See Brewster, W., and Baum.)

Bausch & Lomb Optical Co. (See Kellner, Gustav A. H. assignor.)

Bausch and Lomb Optical Company. (See Stevens, Frederick A., assignor.)

Bayer, Albert A., Milwaukee, Wis. Artificial bait. 1,566,812; Dec. 22.

Bayless, James W. (See Miles, L. H., and Bayless.)

Bean, Melvin J. (See Thurber, Donald H., assignor.)

Beatey, Earles J. R., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,566,361; Dec. 22.

Beaudry, John B., Los Angeles, Calif. Rail-joint nut lock. 1,566,640; Dec. 22.

Beaver Falls Art Tile Company. (See Wash, Milton V., assignor.)

Becker, John, Warren, Idaho. Collar fastener. 1,566,952; Dec. 22.

Becker, John, Warren, Idaho. Pipe coupler. 1,566,953; Dec. 22.

Beckwith Manufacturing Company. (See Clapp, Albert L., assignor.)

Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Skip-elevating mechanism. 1,566,301; Dec. 22.

Bee, Mapearl C., New York, N. Y. Combination undergarment for women's wear. 1,566,267; Dec. 22.

Beecher, Milton F., and M. C. Booze, assignors to Norton Company, Worcester, Mass. Making articles of ceramic bonded granular material. 1,567,020; Dec. 22.

Bell, James L., Montebello, Calif. Line spool for rotary drills and the like. 1,566,641; Dec. 22.

Bem, Joseph P., assignor to Pacific Pitting Machine Company, Inc., Fresno, Calif. Fruit-pitting apparatus. 1,566,463; Dec. 22.

Bendix Brake Company. (See Bendix, V., and Dodge, assignors.)

Bendix, Vincent, Chicago, Ill., and A. Y. Dodge, South Bend, Ind., assignors to Bendix Brake Company, Chicago, Ill. Braking mechanism. 1,566,954; Dec. 22.

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric plug. 1,566,362; Dec. 22.

Berents, Harry C., Bellemore, N. Y. Automobile signal. 1,566,363; Dec. 22.

Berg, Paul W., Tacoma, Wash. Knockdown camp bed. 1,566,574; Dec. 22.

Bergman, Lars H., assignor to Raymond Bros. Engineering Co., Chicago, Ill. Blowing tank for pneumatic transport systems. 1,566,517; Dec. 22.

Bertanzetti, Albert S., and S. De Pranpero, Fredericktown, Pa.; said De Pranpero assignor to said Bertanzetti. Pressure-operated switch. 1,566,302; Dec. 22.

Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Cylindrical-shell mortise knob lock. 1,566,575; Dec. 22.

Best, Frank E., Inc. (See Best, Frank E., assignor.)

Betts, Arthur L. (See Fuller, H. F., and Betts.)

Biersack, Edward. (See Turnbull, Frederick A., assignor.)

Bildex Products Company. (See Grotenhuis, William J., assignor.)

Birney, James E., assignor of one-half to P. I. Birney, Grand Rapids, Mich. Ice-cream can. 1,566,303; Dec. 22.

Birney, Patrick I. (See Birney, James E., assignor.)

Bjornsson, Carl A., assignor to McEwen Bros., Wellsville, N. Y. Internal-combustion engine. 1,566,642; Dec. 22.

Blair, Robert S., South Beach, Conn. Shoe construction. 1,566,364; Dec. 22.

Blake, James A., Cambridge, assignor to Raised Process Machine Company, Boston, Mass. Raised-printing apparatus. 1,566,643; Dec. 22.

Blanchard, Edward P. (See Overman, E., and Blanchard.)

Blaney, William T., Peterborough, Ontario, Canada. Dust separator. 1,566,518; Dec. 22.

Blankenship, Med A., Detroit, Mich. Projection apparatus. 1,566,519; Dec. 22.

Blauhorn, Emanuel, and O. Hajek, Vienna, Austria. Variable-stroke fluid pump. 1,566,813; Dec. 22.

Bliss, William L., Niagara Falls, N. Y., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Heating apparatus. 1,566,814; Dec. 22.

Blume, Charles A., assignor to The Whirl Pool Water Motor Company, Rocky Ford, Colo. Water motor. 1,566,725; Dec. 22.

Bommer, Fred W., assignor to Lambertville Rubber Company, Lambertville, N. J. Sole for shoes. Des. 69,062; Dec. 22.

Booze, Macdonald C. (See Beecher, M. F., and Booze.)

Bossert, William F. (See Edwards, J. C., and Bossert.)

Bouza, Vicente, Highland Park, Mich. Automobile signal. 1,566,365; Dec. 22.

Bowman, Newton K., Rowdil, Ohio. Mining-machine chain link and bit. 1,566,304; Dec. 22.

Bradley, Durbin H., Sunnyvale, Calif. Motor vehicle. 1,566,726; Dec. 22.

Brady Elevator Equipment Company. (See Brady, Thomas, assignor.)

Brady, Thomas, East Orange, assignor to Brady Elevator Equipment Company, Inc., Hoboken, N. J. Door-closure mechanism. 1,566,366; Dec. 22.

Braemer, William G. R., Haddonfield, N. J., and J. Roberts, Providence, R. I., assignors to General Fire Extinguisher Company. Drying textile material. 1,566,644; Dec. 22.

Braley, Thomas E., assignor of one-half to J. E. Davis, Wichita, Kans. Piston packing. 1,566,367; Dec. 22.

Brandes Laboratories, Inc. (See Rypinski, Maurice C., assignor.)

Brandt, Robert B., St. Paul, Minn. Ventilation system. 1,566,368; Dec. 22.

Brandt, Edward, and H. J. Barton, Detroit, Mich. Wall plate for lighting fixtures. Des. 69,063; Dec. 22.

Brandt, Fred O., et al. (See Kielley, Charles E., assignor.)

Brandwein, Henry G., Chicago, Ill. Mattress. 1,566,787; Dec. 22.

Brandwood, John, Southport, T. Brandwood, Bury, England, and J. Brandwood, Waban, Mass. Making conveyer bands. 1,566,369; Dec. 22.

Brandwood, Joseph. (See Brandwood, John, T., and J.)

Brandwood, Thomas. (See Brandwood, John, T., and J.)

Breeze, Alfred B., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Tube expanding and compressing tool. 1,566,645; Dec. 22.

Brewster, William, New York, and S. J. Baum, Flushing, N. Y. Shade for automobile windshields. 1,566,646; Dec. 22.

Bridge, Harry A., and J. W. Lamparter, assignors to The Bartlett-Collins Glass Company, Sapulpa, Okla. Method and apparatus for re-forming glass articles. 1,566,520; Dec. 22.

Brigham, Frederick L., Upper Montclair, N. J. Fabric and making the same. 1,566,727; Dec. 22.

Brigham, Frederick L., Upper Montclair, N. J. Fabric and making the same. 1,566,728; Dec. 22.

Brinton, Willard C., assignor to Terminal Engineering Company, Inc., New York, N. Y. Freight shed. 1,566,521; Dec. 22.

Briscoe, John W., Ingram, Pa. Chuck. 1,566,370; Dec. 22.

Brokamp, Pearl B. (See Taylor, Hugh P., assignor.)

Brown, B. E., et al. (See Guthrie, Edwin P., assignor.)

Brown, Eugene P. (See Wilson, R. E., and Brown.)

Brown, Roland C., Milwaukee, Wis. Making blue prints with dark lines and white fields. 1,566,305; Dec. 22.

Brown Shoe Company, Inc. (See Ekins, Walter R., assignor.)

Brownell, Dan C., et al. (See Mortrude, William E., jr., assignor.)

Brownrig, Thomas A., Portland, Me. Scrubbing device. 1,566,371; Dec. 22.

Broyles, James A., Dun Glen, Ohio. Coupling for cars and train lines. 1,566,729; Dec. 22.

Brueshaber, Martin W., Chicago, Ill., assignor to Goss Printing Press Company. Stereotype-printing plate. 1,566,268; Dec. 22.

Bryan, Oscar M., Peru, Ind. Chalk-line device. 1,566,647; Dec. 22.

Buechele, Louis F., Cheshire, assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn. Plate for lighting fixtures. Des. 69,064; Dec. 22.

Buffalo Brake Beam Company. (See Crone, Seth A., assignor.)

Buhr, Bert, Sumner, Iowa. Polish. 1,566,576; Dec. 22.

Bulley, George W., assignor to The Miller Rubber Company, Akron, Ohio. Molded box with veneer exterior and producing the same. 1,566,815; Dec. 22.

Burgess, Louis, Bayonne, N. J., assignor, by mesne assignments, to himself and M. Barnett. Production of aluminum chloride. 1,566,269; Dec. 22.

Burlin Co. (See Burlin, Leslie H., assignor.)

Burlin, Leslie H., assignor to Burlin Co., Chicago, Ill. Upright member for a lamp or similar article. 69,065; Dec. 22.

Burlin, Leslie H., assignor to Burlin Co., Chicago, Ill. Bracket for bridge lamps to similar article. Des. 69,066; Dec. 22.

Burns, Howard E., Dallas, Tex. Combustion chamber for incinerators. 1,566,577; Dec. 22.

Burns, John L., assignor to H. H. Franklin Mfg. Company, Syracuse, N. Y. Valve for controlling heated gases to intake-manifold jackets. 1,566,306; Dec. 22.

Bush, A. G. (See Wallis, Henry E., assignor.)

Butler, Charles H., New York, N. Y. Cross-word-puzzle game. 1,566,730; Dec. 22.

C. & P. Manufacturing Co. (See Coates, Clinton T., assignor.)

Calderón, José M., jr., Rio Grande, P. R. Collapsible boat. 1,566,648; Dec. 22.

Calvignac, Germain. (See Perrot, H., and Calvignac.)

Campbell, George W., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,566,270; Dec. 22.

Campbell, George W., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,566,372; Dec. 22.

Campfire Company, The. (See Gregory, John M., assignor.)

Card, Earl J., and J. E. Turner, assignors to Art Metal Construction Company, Jamestown, N. Y. Drawer suspension. 1,566,307; Dec. 22.

Carey, George W., et al. (See Schwinden, Nicholas A., assignor.)

Carles, Reginald. South Portland, Me. Curling hair. 1,566,522; Dec. 22.

Carlson, Frank W., Oilfields, Calif. Stuffing box. 1,566,816; Dec. 22.

Carlson, Gustave O., Wethersfield, assignor of one-third to H. Hanson, Middletown, and one-third to C. O. Hedstrom, Portland, Conn. Shears. 1,566,649; Dec. 22.

Carlson, Anthony E., Los Angeles, Calif. Drill. 1,566,578; Dec. 22.

Carpenter, Allan O., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Vertical compressor. 1,566,308; Dec. 22.

Carroll, Charles, Chicago, Ill. Device for aiding the hearing. 1,566,731; Dec. 22.

Carruthers, Eben H., Astoria, Oreg. Support. 1,566,732; Dec. 22.

Carter, Andrew J., Denver, Colo. Drilling machine. 1,566,733; Dec. 22.

Carter, Carnie B., and A. E. Coxe, Pittsburgh, Pa., assignors to S. Karpen & Bros., Chicago, Ill. Production of phenol-methylal resin. 1,566,817; Dec. 22.

Carter, Carnie B., and A. E. Coxe, Pittsburgh, Pa., assignors to S. Karpen & Bros., Chicago, Ill. Manufacture of alcohols. 1,566,818; Dec. 22.

Carter, Carnie B., Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill. Producing methylals. 1,566,819; Dec. 22.

Carter, Carnie B., Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill. Production and purification of Hexamethylenetetramine. 1,566,820; Dec. 22.

Carter, Carnie B., Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill. Recovery of hexamethylenetetramine from mixtures containing ammonium chloride. 1,566,821; Dec. 22.

Carter, Carnie B., Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill. Production of hexamethylenetetramine and ammonium chloride. 1,566,822; Dec. 22.

Carter, Carnie B., Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill. Producing a phenolic condensation product. 1,566,823; Dec. 22.

Carter, Paul E., Bronxville, N. Y., and R. Connell, Westfield, N. J., assignors to General Railway Signal Company, Rochester, N. Y. Electric interlocking system. 1,566,901; Dec. 22.





Carter, Ray L., Syracuse, N. Y. Router bit. 1,566,373; Dec. 22.

Carter, Ray L., Phoenix, N. Y. Shaper. 1,566,824; Dec. 22.

Cash, Gentry, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., and Whiting, Ind. Preventing evaporation from storage tanks. 1,566,825; Dec. 22.

Caterson, Clarington W., Endicott, N. Y. Snow remover. 1,566,464; Dec. 22.

Century Engineering Corporation. (See Malone, Edward J., jr., assignor.)

Cess, Vincenzo, Hoboken, N. J. Medicinal preparation. 1,566,271; Dec. 22.

Chamberlain, Rufus N., Chicago, Ill., assignor, by mesne assignments, to Gould Storage Battery Company, Inc., New York, N. Y. Treating separators. 1,566,826; Dec. 22.

Chambersburg Engineering Company. (See Huber, Edwin B., assignor.)

Champion, Albert, assignor to A. C. Spark Plug Company, Flint, Mich. Terminal connecter for spark plugs. 1,566,465; Dec. 22.

Charter Oak Stove and Range Company, The. (See Dana, Leslie, assignor.)

Chasan, Louis, assignor to Shur Loc Elevator Safety Company, Inc., New York, N. Y. Elevator. 1,566,374; Dec. 22.

Chase, Ernest D., Winchester, Mass. Greeting card. 1,566,734; Dec. 22.

Chase, George C., South Orange, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y. Operating means for calculators. 1,566,650; Dec. 22.

Chesney, Madison R., Los Angeles, Calif. Advertising structure. 1,566,735; Dec. 22.

Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-carrier support for weft-replenishing looms. 1,566,736; Dec. 22.

Chicago Pneumatic Tool Company. (See Hoffman, Leon F., assignor.)

Chilson, Claude E., Elmira, N. Y. Universal protector bar. 1,566,827; Dec. 22.

Christensen, Hans, assignor to The Banner Rubber Company, Denver, Colo. Weather strip. 1,566,651; Dec. 22.

Ciffinowitsch, Zalmann, Berlin, Germany, assignor to General Electric Company. Induction meter. 1,566,902; Dec. 22.

Cincinnati Ball Crank Company, The. (See Breeze, Alfred B., assignor.)

Clapp, Albert L., Danvers, assignor to Beckwith Manufacturing Company, Boston, Mass. Fiber board. 1,566,309; Dec. 22.

Clapp, Albert L., Danvers, assignor to Beckwith Manufacturing Company, Boston, Mass. Fiber board. 1,566,310; Dec. 22.

Clark, Alva B., Brooklyn, N. Y., and R. S. Hoyt, Ridgewood, N. J., assignors to American Telephone and Telegraph Company. Telephone-repeater circuits. 1,566,311; Dec. 22.

Clark, Edgar M., New York, N. Y., assignor to Standard Development Company. Distilling petroleum oils. 1,566,828; Dec. 22.

Clark, Francisco, Durango, Mexico. Combination lock. 1,566,829; Dec. 22.

Clark, Francisco, Durango, Mexico. Lock nut. 1,566,830; Dec. 22.

Clark, Robert K., Springfield, Mass., assignor to The American Thread Company, Jersey City, N. J. Spool. 1,566,788; Dec. 22.

Clark, Valla J., St. Petersburg, Fla. Compensator. 1,566,737; Dec. 22.

Claus, Henry, East Northport, N. Y. Toy. 1,566,579; Dec. 22.

Clay, William O., et al. (See Kraeer, George E., assignor.)

Cleaver, Wilfred R., Coventry, England. Boot or shoe lace. 1,566,466; Dec. 22.

Clement, Charles G., assignor to Highway Trailer Company, Edgerton, Wis. Adjustable drawbar. 1,566,831; Dec. 22.

Clement, Hans, New York, N. Y., assignor to General Optical Company, Inc. Optical diagnostic instrument. 1,566,652; Dec. 22.

Coatalen, Louis, assignor to Sunbeam Motor Car Company Limited, Wolverhampton, England. Rocker mechanism. 1,566,375; Dec. 22.

Coates, Clinton T., St. Louis, Mo., assignor to C. & P. Manufacturing Co., Chicago, Ill. Washing machine. 1,566,312; Dec. 22.

Coffey, James L., Milwaukee, Wis. Candy-box holder. 1,566,523; Dec. 22.

Cohoes Envelope Co. (See Littman, Zeno, assignor.)

Coker, Lawrence E. (See Reneau, James T., assignor.)

Commonwealth Steel Company. (See Bartell, Harry R., assignor.)

Commonwealth Steel Company. (See Pflager, Harry M., assignor.)

Commonwealth Steel Company. (See Sheehan William M., assignor.)

Condit Electrical Manufacturing Corporation. (See Mahoney, Joseph N., assignor.)

Conn, C. G., Ltd. (See Gulick, Edward J., assignor.)

Connell, Roy. (See Carter, P. E., and Connell.)

Connor, Benjamin J.. See Crannell, Charles W., assignor.)

Continental Scale Works. (See Weber, Mathias J., assignor.)

Cook, Benjamin A., Fitchburg, Mass. Wall-paper-advertising device. 1,566,832; Dec. 22.

Cook, Everett J., assignor to The Dura Company, Toledo, Ohio. Light globe. Des. 69,067; Dec. 22.

Cook, James F. (See Herman, Carl R., assignor.)

Cook, William J., Charlotte, N. C. Air valve for radiators. 1,566,580; Dec. 22.

Coordes, Cordie S., Hartley, Iowa. Tire-chain side link. 1,566,581; Dec. 22.

Cornell, Irsil L. G., assignor to The Milwaukee Brush Manufacturing Company, Milwaukee, Wis. Rotary brush. 1,566,313; Dec. 22.

Cortes, Carlos E., Martinez, Calif. Concrete-incased pile. 1,566,582; Dec. 22.

Cortes, Carlos E., Martinez, Calif. Concrete form. 1,566,583; Dec. 22.

Costa, Giacomo, Rochester, N. Y. Fan attachment for sewing machines. 1,566,272; Dec. 22.

Couty, Arnold L., Marshfield, Oreg. Throttle governor. 1,566,376; Dec. 22.

Coxe, Albert E. (See Carter, C. B., and Coxe.)

Crannell, Charles W., assignor of one-half to B. J. Connor, Chappell, Nebr. Tool for assembling springs. 1,566,833; Dec. 22.

Crompton & Knowles Loom Works. (See Chevrette, Augustin J., assignor.)

Crompton & Knowles Loom Works. (See Dacey, Edward J., assignor.)

Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)

Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)

Crompton & Knowles Loom Works. (See Watson, Herbert H., assignor.)

Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Railway-brake-beam mechanism. 1,566,789; Dec. 22.

Cross, Samuel C., Washington, D. C. Mine-anchor device. 1,566,834; Dec. 22.

Crotto, Frank E., assignor to Western Supply Company, Tulsa, Okla. Gate and clamping device for wire-line clamps. 1,566,653; Dec. 22.

Curnan, Frank W., Derby, Conn. Envelope fastener. 1,566,955; Dec. 22.

Currente, Antonio, West New York, N. J. Clamping device. 1,566,377; Dec. 22.

Curtis & Curtis Co. (See Schmelz, Charles F., assignor.)

Dacey, Edward J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Jacquard mechanism for looms. 1,566,738; Dec. 22.

Dahlgren, Leonard, Attleboro, Mass. Separable cuff button. 1,566,524; Dec. 22.

Dallemagne, Victor, Paris, France. Spark-extinguishing apparatus. 1,566,584; Dec. 22.

Dana, Leslie, assignor to The Charter Oak Stove and Range Company, St. Louis, Mo. Heating stove. 1,566,835; Dec. 22.

Daniels, Anthony, Newark, N. J., assignor to The Perfex Products Corporation. Machine for sealing containers. 1,566,314; Dec. 22.

Danquard, Thomas, New York, N. Y., assignor to Auto Pneumatic Action Company. Expression-controlling mechanism for musical instruments. 1,566,654; Dec. 22.

Darling, Philip G., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Dispensing device. 1,566,836; Dec. 22.

Daumueller, William C., Lebanon, Ill. Pedal protector. 1,566,315; Dec. 22.

David, Roy L., San Jose, Calif. Sadiron-cord holder. 1,566,655; Dec. 22.

Davis, Anthony E., Philadelphia, Pa. Sign. 1,566,316; Dec. 22.

Davis, Augustine, jr. (See Fuller, H. F., and Betts, assignors.)

Davis, Joel E. (See Braley, Thomas E., assignor.)

Davol Rubber Company. (See Raiche, Paul A., assignor.)

Davol Rubber Company. (See Sterritt, Robert E., assignor.)

Davy, Christopher H. (See Davy, Christopher S. and C. H.)

Davy, Christopher S., and C. H. Beckenham, England, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,566,837; Dec. 22.

De Castro & Iznaga, Sergio F., Habana, Cuba. Wheel without spokes. 1,566,467; Dec. 22.

Denela, Robert, New York, N. Y. Bumper protector cushion. 1,566,839; Dec. 22.

Defordt, Jules F., Ixelles, Brussels, Belgium. Free-wheel clutch. 1,566,378; Dec. 22.

De Keyser, Michel, Oakland, Calif. Treating sulphide ores and concentrates. 1,566,379; Dec. 22.

De Marois, Joseph T., Anaconda, Mont. Automobile sawing machine. 1,566,838; Dec. 22.

Dempster, George R., Knoxville, Tenn. Power shovel and dredge. 1,566,585; Dec. 22.

Dennison, Roy K., East Machias, Me. Gravity mobile vehicle. 1,566,380; Dec. 22.

De Orio, Stephen, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich. Hood catch. 1,566,468; Dec. 22.

De Pranpero, Silvio. (See Bertanzetti, A. S., and De Pranpero.)
Deslibes, Francis A., Modesto, Calif. Paper holder. 1,566,525; Dec. 22.
Detiefsen, Paul, and G. G. Izard, Chicago, Ill. Combined necklace and game apparatus. 1,567,021; Dec. 22.
Diegel, Wilfred E., River Rouge, Mich. Game. 1,566,317; Dec. 22.
Diescher, Samuel E., Wilkinsburg, assignor to S. Diescher and Sons, Pittsburgh, Pa. Treating sheets. 1,566,656; Dec. 22.
Diescher, S., and Sons. (See Diescher, Samuel E., assignor.)
Di Giovanni, Frank. (See Veglia, L., and Di Giovanni.)
Dillman, Edward L., Jamaica, N. Y. Making dental plates. 1,566,840; Dec. 22.
Dillman, Edward L., Jamaica, N. Y. Making porcelain articles. 1,566,841; Dec. 22.
Dion, Arthur, Leaside, Ontario, Canada. Carburetor. 1,566,382; Dec. 22.
Ditcham, William T., Lebanon Park, England, assignor to Radio Corporation of America. Wireless transmitter. 1,566,657; Dec. 22.
Dodge, Adiel Y. (See Bendix, V., and Dodge.)
Dodson, Jack C., Mexia, Tex., assignor to Mexia Planing Mill Company, Sucker-rod guide. 1,566,586; Dec. 22.
Doolittle, Ora M. (See Hoult, John H., assignor.)
Douglas, Paul H. (See Reese, A. G., and Douglas.)
Dover, George W., Providence, R. I. Support for window hangings. 1,566,383; Dec. 22.
Drabonovsky, John B., assignor to Mechanical Production Co., Milwaukee, Wis. Timer for internal-combustion engines. 1,566,526; Dec. 22.
Drake, Rollin L., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Can manufacture. 1,566,790; Dec. 22.
Dreher, Edward J., Los Angeles, Calif. Brake-pedal-holding device. 1,566,527; Dec. 22.
Dreyfus, Henry, London, England. Manufacture of artificial silk and the like from cellulose derivatives. 1,566,384; Dec. 22.
Dries, Maurice L., et al. (See Shee, Parke E., assignor.)
Dryfoos, Nathan I., Cleveland, Ohio. Sweater. 1,566,842; Dec. 22.
Du Be, Raphael E., Denver, Colo. Gas engine. 1,566,843; Dec. 22.
Duff, Albert L., and J. W. Matheson, Brooklyn, N. Y.; said Duff assignor to said Matheson. Wardrobe trunk. 1,566,956; Dec. 22.
Duffey, Harry J., Middleburg, Va. Paint. 1,566,957; Dec. 22.
Duffy, Edwin N. (See Isman, Felix, assignor.)
Dunn, Edward L., East Orange, assignor to Otis Elevator Company, Jersey City, N. J. Control system for elevators. 1,566,385; Dec. 22.
Du Pont Fibersilk Company. (See Bacon, Charles J., assignor.)
Dura Company, The. (See Cook, Everett J., assignor.)
Durant Manufacturing Company. (See Stosick, Edmund C., assignor.)
Durst, William B., Gainesville, Fla. Coring implement for concrete blocks. 1,566,903; Dec. 22.
Duryea, Harry R., Pittsford, N. Y., assignor of one-half to A. T. Gilbert, Newark, N. J. Camera. 1,566,658; Dec. 22.
Dutton, Joseph, Manchester, England. Balanced friction driving mechanism for actuating rotary brushes, rollers, and such like. 1,566,659; Dec. 22.
Edison, Thomas A., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph cabinet. Des. 69,068; Dec. 22.
Edison, Thomas A., Incorporated. (See Edison, Thomas A., assignor.)
Edmunds and Jones Corporation. (See Godley, Charles E., assignor.)
Edwards, John C., and W. F. Bossert, assignors to Signal Accessories Corporation, Utica, N. Y. Pipe carrier for railway signal systems. 1,566,660; Dec. 22.
Egloff, Gustav, Independence, Kans., assignor to Universal Oil Products Company, Chicago, Ill. Heat interchanger. 1,566,528; Dec. 22.
Eisele, Logan, Nashville, Tenn. Shield for glass hypodermic syringes. 1,566,844; Dec. 22.
Ekins, Walter R., assignor to Brown Shoe Company, Inc., St. Louis, Mo. Shoe and making the same. 1,566,791; Dec. 22.
Engl, Josef. (See Massolle, J., Engl, and Vogt.)
English, Philip H., assignor to The New Haven Clock Co., New Haven, Conn. Clock case. Des. 69,069; Dec. 22.
Epstein, Morris, New York, N. Y. Foot governing device for sewing and embroidering machines having universal feed motion. 1,566,318; Dec. 22.
Essig, Norman S., Philadelphia, Pa., assignor to The S. S. White Dental Manufacturing Company. Dental delineator. 1,566,661; Dec. 22.
Estes, Hubert R., Chicago, Ill. Advertising device. 1,566,739; Dec. 22.
Evans, David A., Kansas City, Mo., assignor, by mesne assignments, of fifty-one one hundredths to The Evans Lime Putty Company, Kansas City, Kans. Slaking lime into lime putty. 1,566,587; Dec. 22.
Evans Lime Putty Company, The. (See Evans, David A., assignor.)
Faber, John P., Dunellen, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Supporting mast for concrete chutes. 1,566,386; Dec. 22.
Fader, Rolla E. (See MacKay, J. F., and Fader.)
Fahys, Joseph, & Co. (See Gordon, Peter J., assignor.)
Fairand, Charles A., Watertown, N. Y. Two-way lock. 1,566,662; Dec. 22.
Fairbrother, Frederic A., Providence, R. I. Jewelry component. 1,566,845; Dec. 22;
Fairley, George E. A., Pittsburgh, Pa. Fuzzle. 1,566,529; Dec. 22.
Farrington, John F., assignor to Western Electric Company, Incorporated, New York, N. Y. Two-way communication system. 1,566,469; Dec. 22.
Felten and Guilleaume Carlswerk Actien-Gesellschaft. (See Schürer, Eugen, assignor.)
Fenlason, Charles F., jr. (See Frost, A. H., and Fenlason.)
Field, Frank E., Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Inductance device. 1,566,792; Dec. 22.
Fielding, Frederick C., assignor of one-third to E. A. Webb, Coalinga, Calif. Anchor. 1,566,846; Dec. 22.
Fifield, Ralph D., Fort Pierce, Fla. Disappearing shower bath. 1,566,387; Dec. 22.
Fillery, Thomas C. (See Hounsell, W., and Fillery.)
Finkelstein, Robert, Brooklyn, assignor to Herschberg & Company, New York, N. Y. Hat. 1,566,663; Dec. 22.
Firmbach, Louis, sr., Ridgewood, N. Y. Radiocabinet. 1,566,847; Dec. 22.
Fischer, Albert C., Chicago, Ill. Container form, expansion joints, and installing same. 1,566,319; Dec. 22.
Flatley, William B., Wataeka, Ill. Door latch and retainer. 1,566,470; Dec. 22.
Fleisher, Walter L., New York, N. Y. Bakery proof box. 1,566,388; Dec. 22.
Fleischmann Company, The. (See Sak, Søren, assignor.)
Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Incandescent lamp. 1,566,848; Dec. 22.
Forrest, Curtis T., Le Grand, Calif. Tractor hitch. 1,566,740; Dec. 22.
Forse, Harry D., Anderson, Ind. All-metal knockdown toy vehicle. 1,566,741; Dec. 22.
Fox Machine Company. (See Fox, William R., assignor.)
Fox, Richard W., Birmingham, Ala. Repair kit. 1,566,320; Dec. 22.
Fox, William R., assignor to Fox Machine Company, Jackson, Mich. Coupling for flexible shafting. 1,566,849; Dec. 22.
Frain-Slaymaker Hardware Co. (See Hanton, Henry H., assignor.)
Frank, Thomas, St. Louis, Mo. Hose mop. 1,566,389; Dec. 22.
Franklin, H. H., Mfg. Company. (See Burns, John L., assignor.)
Frantz Manufacturing Company. (See Frantz, Peter, assignor.)
Frantz, Peter, assignor to Frantz Manufacturing Company, Sterling, Ill. Door latch. 1,566,321; Dec. 22.
Frauenberger, Carl F., Long Island City, assignor to S. H. Rosenberg, Brooklyn, N. Y. Side registering device. 1,566,390; Dec. 22.
Freakes, Charles, London, England. Combined or convertible furniture. 1,566,664; Dec. 22.
Freeman, Albert. (See Hesson, William W., assignor.)
French, John W. (See Michel, Christopher B., assignor.)
Frenne, Nils and A. G. Saxberg, assignors to Aktiebolaget Vaporackumulator, Stockholm, Sweden. Controlling apparatus. 1,566,850; Dec. 22.
Fretts, Henry A., Sacramento, Calif. Rotary plowshare pulverizer. 1,566,471; Dec. 22.
Frey, Ellsworth, Springfield, Mass., assignor, by mesne assignments, to S. H. Rosenberg, Brooklyn, N. Y. Sheet-handling mechanism for presses, creasers, and the like. 1,566,391; Dec. 22.
Frey, Sigmund, Los Angeles, Calif. Discharge spout for liquid containers. 1,566,851; Dec. 22.
Fritzsche, Hermann, and P. Schädell, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Aromatic derivative of cyanuric chloride and process for producing same. 1,566,742; Dec. 22.
Frost, Allen H., and C. F. Fenlason, jr., Malone, N. Y. Producing rubber articles. 1,566,665; Dec. 22.
Frost, Allen H., and C. F. Fenlason, jr., Malone, N. Y. Apparatus for producing rubber articles. 1,566,666; Dec. 22.
Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)
Fuller, Frederick F., Govert, S. Dak. Automatic air pump for motor-vehicle tires. 1,566,667; Dec. 22.
Fuller, Harrison F., Indianapolis, Ind., and A. L. Betts, Cincinnati, Ohio, assignors to A. Davis, jr., Covington, Ky. Valve mechanism. 1,566,472; Dec. 22.
Fulwood, Alfred J., Washington, D. C. Sandwich-vending machine. 1,566,392; Dec. 22.
Furmidge, Samuel, Chicago, Ill. Recoil check. 1,566,393; Dec. 22.
G. & G. Fixture Co., The. (See Walker, Ernest A., assignor.)
Gade, Samuel, New York, N. Y. Bath fixtures. 1,566,273; Dec. 22.
Galassi, Ernest P., Brooklyn, N. Y. Fender for road vehicles. 1,566,743; Dec. 22.





Garbell, Max, assignor, by mesne assignments, to O. D. Jennings & Company, Chicago, Ill. Typewriter. 1,566,530; Dec. 22.
General Electric Company. (See Ciffrinowitsch, Zalmann, assignor.)
General Electric Company. (See Fonda, Gorton R., assignor.)
General Electric Company. (See Halliwell, Reginald F., assignor.)
General Electric Company. (See Karapetoff, Vladimir, assignor.)
General Electric Company. (See McLain, Robert H., assignor.)
General Electric Company. (See Moore, Chester N., assignor.)
General Electric Company. (See Pilon, Hector P., assignor.)
General Electric Company. (See Seede, John A., assignor.)
General Electric Company. (See Standerwick, Reginald G., assignor.)
General Electric Company. (See Traver, Oliver C., assignor.)
General Electric Company. (See Trencham, H., and Heath, assignors.)
General Electric Company. (See Trombetta, Panfilo, assignor.)
General Electric Company. (See Welch, Alfred F., assignor.)
General Fire Extinguisher Company. (See Braemer, W. G. R., and Roberts, assignors.)
General Motors Corporation. (See De Orlo, Stephen, assignor.)
General Motors Corporation. (See Koppin, Harry K., assignor.)
General Motors Research Corporation. (See Lee, Roger K., assignor.)
General Motors Corporation. (See Richard, Eugene C., assignor.)
General Motors Corporation. (See Seaholm, Ernest W., assignor.)
General Optical Company. (See Clement, Hans, assignor.)
General Railway Signal Company. (See Carter, P. E., and Connell, assignors.)
General Railway Signal Company. (See Reichard, Wade H., assignor.)
Gero, William B., East Orange, N. J., assignor to Westinghouse Lamp Company. Alloying rare metals and articles made therefrom. 1,566,793; Dec. 22.
Gersting, Charles H., Buffalo, N. Y. Piston ring. 1,566,531; Dec. 22.
Gersting, Charles H., Buffalo, N. Y. Piston ring. 1,566,532; Dec. 22.
Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Meissner, Alexander, assignor.)
Gibson, Lee D., Dallas, Tex. Lock. 1,566,473; Dec. 22.
Gilbert, Allyn T. (See Duryea, Harry R., assignor.)
Glider, Eugenie K., Harvard, assignor of one-half to A. J. Walsh, Potlatch, Idaho. Clothes tongs. 1,566,394; Dec. 22.
Gill, Benjamin F., and C. A. Reed; said Gill assignor of his right to T. E. Roderick, Tulsa, Okla. Coupling for boiler connections. 1,566,958; Dec. 22.
Gilman, George H., Belmont, Mass. Drilling machine. 1,566,395; Dec. 22.
Gilmore, Allen R., Elkhart, Ind. Water-closet-flushing mechanism. 1,566,396; Dec. 22.
Glass, Otto, Rosebud, Tex. Rim and tire clamp. 1,566,668; Dec. 22.
Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Tape-applying apparatus. 1,566,274; Dec. 22.
Glowacki, John B., Chicago, Ill. Cartridge fuse knife-blade type for renewable fuse elements. 1,566,852; Dec. 22.
Godfrey, William F., Kearney, Nebr. Door for automobile curtains. 1,566,397; Dec. 22.
Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Switch. 1,566,588; Dec. 22.
Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Tail lamp. 1,566,589; Dec. 22.
Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Reflector. 1,566,590; Dec. 22.
Gold, Egbert H., Chicago, and P. B. Parks, Oak Park, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostat for car-heating systems. 1,566,853; Dec. 22.
Gold, Egbert H., and E. A. Russell; said Russel assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostatically-controlled heating system. 1,566,854; Dec. 22.
Goldsmith, Charles A., Collingswood, and J. F. Montague, Camden, N. J. Automatic dispensing device. 1,566,591; Dec. 22.
Gonderman, Adam, La Verne, Calif. Belt dressing. 1,566,592; Dec. 22.
Goodwin, Ernest, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio. Plate or similar article. Des. 69,070; Dec. 22.
Goodwin, Ernest, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio. Dish or similar article. Des. 69,071; Dec. 22.
Goodwin, Ernest, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio. Cup or similar article. Des. 69,072; Dec. 22.
Goodwin, Ernest, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio. Sugar bowl or similar article. Des. 69,073; Dec. 22.
Goodwin, Ernest, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio. Cream pitcher or similar article. Des. 69,074; Dec. 22.
Goodwin, Ernest, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio. Covered dish or similar article. Des. 69,075; Dec. 22.
Goodwin, Ernest, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio. Covered dish or similar article. Des. 69,076; Dec. 22.
Gopher Brush Company. (See Gray, Carl C., assignor.)
Gordon, Peter J., Sag Harbor, assignor to Joseph Fahys & Co., New York, N. Y. Spoon or similar article. Des. 69,077; Dec. 22.
Goss Printing Press Company. (See Brueshaber, Martin W., assignor.)
Gould Storage Battery Company. (See Chamberlain, Rufus N., assignor.)
Graham, Frank M., Ottumwa, Iowa. Ice-cream-storage cabinet. 1,566,959; Dec. 22.
Graham, James W., Nelsonville, Ohio. Automobile searchlight. 1,566,593; Dec. 22.
Graham, Milton B., assignor to Graham Reel Company, Windfall, Ind. Fishing reel. 1,566,594; Dec. 22.
Graham Reel Company. (See Graham, Milton B., assignor.)
Graham, William D. (See Siegner, W. A., and Graham.)
Grasselli Chemical Company, The. (See Howard, Henry, assignor.)
Grauel, Allan, Kitchener, assignor of one-tenth to W. Junor and one-tenth to W. H. Warrington, Toronto, Ontario, Canada. Electrical furnace. 1,566,855; Dec. 22.
Gray, Arthur E., assignor to Pittsburgh Clay Pot Company, Pittsburgh, Pa. Grinding blocks. 1,566,744; Dec. 22.
Gray, Carl C., assignor, by mesne assignments, to Gopher Brush Company, Minneapolis, Minn. Floor brush. 1,566,322; Dec. 22.
Gray, Edwin T., New York, N. Y. Sheet-material-display device. 1,566,323; Dec. 22.
Green, Joshua, London, England. Wooden tubular structure. 1,567,022; Dec. 22.
Greene, Alonzo M., New London, Conn. Treadle-operated vehicle. 1,566,669; Dec. 22.
Gregory, John M., Skaneateles, N. Y., assignor to The Campfire Company, Milwaukee, Wis. Storage and display receptacle. 1,566,856; Dec. 22.
Gregory, John M., Skaneateles, N. Y., assignor to The Campfire Company, Milwaukee, Wis. Display receptacle. 1,566,857; Dec. 22.
Grillet, Nicolas B., Neuilly, France, assignor to Societe Chimique Des Usines Du Rhone, Paris, France. Manufacture of cellulose esters or ethers in a solvent. 1,566,398; Dec. 22.
Grim, Edward H., Dott, W. Va. Electrical switch-operating mechanism. 1,566,474; Dec. 22.
Grosvenor, Graham B., Chicago, Ill., assignor to Otis Elevator Company, Jersey City, N. J. Electric elevator system. 1,566,399; Dec. 22.
Gross, Adam H., New Orleans, La. Traction-increasing attachmnet for motor-vehicle wheels. 1,566,595; Dec. 22.
Grotenhuis, William J., Chicago, assignor to Biflex Products Company, Waukegan, Ill. Automobile bumper. 1,566,533; Dec. 22.
Grover, Albert D., Long Island City, N. Y. Tailpiece for stringed musical instruments. 1,566,745; Dec. 22.
Grover, William H., Burt, Iowa. Checkrow-wire release for corn planters. 1,566,960; Dec. 22.
Grubman Engineering & Manufacturing Co. (See Grubman, Leo J., assignor.)
Grubman, Leo J., Belle Harbor, assignor to Grubman Engineering & Manufacturing Co. Inc., Long Island City, N. Y. Doll eye. 1,566,670; Dec. 22.
Guinzburg, Edwin A., New York, N. Y. Swimming ring. 1,566,858; Dec. 22.
Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Key-shaft bearings for musical instruments. 1,567,003; Dec. 22.
Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Milling machine for cross-knobs for musical instruments. 1,567,004; Dec. 22.
Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Knob-gauging machine for musical instruments. 1,567,005; Dec. 22.
Gunther, Hiram D., Chicago, Ill. Coat and hat rack. 1,566,859; Dec. 22.
Gustafson, Edward L., Holdrege, Nebr. Washing machine. 1,566,671; Dec. 22.
Gustine, Marion H., Chicago, Ill. Nursing bottle. 1,566,400; Dec. 22.
Guthrie, Edwin P., San Francisco, Calif., assignor to E. S. Hamilton and H. B. E. Brown. Self-inking duplicator. 1,566,865; Dec. 22.

Haagn, Ernst, assignor to The Corporation of W. C. Heraeus, Gesellschaft mit beschränkter Haftung, Hanau-on-the-Main, Germany. Alloy and article partially composed of same and producing the alloy. 1,566,534; Dec. 22.

Hahnemann, Walter, Kitzeberg, near Kiel, assignor to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Investigating mechanical impulses such as sound waves. 1,566,672; Dec. 22.

Hainzigianis, James P., New York, N. Y. Toothbrush holder. 1,566,860; Dec. 22.

Hajek, Otto. (See Blauhorn, E., and Hajek.)

Halliwell, Reginald F., Leamington Spa, England, assignor to General Electric Company. Elastic-fluid turbine. 1,566,861; Dec. 22.

Hallström, Knut, Malmo, Sweden. Detachable rim. 1,566,401; Dec. 22.

Halterman, James R., Cairo, Ill. Centrifugal vaporizer. 1,566,862; Dec. 22.

Hamann, Christel, Mehlis, Germany. Automatic calculating machine. 1,566,961; Dec. 22.

Hamann, Christel, Neubabelsberg, assignor to Mercedes Büro-Maschinen- und Waffenwerke, Benshausen, i/Thur Post Mehlis, Germany. Calculating machine. 1,566,962; Dec. 22.

Hammer, Joseph, Linden, N. J. Jewelry-display stand. Des. 69,078; Dec. 22.

Hamilton, E. S., et al. (See Guthrie, Edwin P., assignor.)

Handy, Arthur E., New York, and S. G. Margles, Brooklyn, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Safety device for escalators. 1,566,475; Dec. 22.

Hanlon, John H., Somerville, Mass. Valve mechanism for air-brake systems. 1,566,324; Dec. 22.

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Mortar projector. 1,566,325; Dec. 22.

Hanson, Henry, et al. (See Carlson, Gustave O., assignor.)

Hanton, Henry H., assignor to Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa. Padlock. Des. 69,079; Dec. 22.

Harber, Laurence S. (See Baker, R. E., and Harber.)

Hardesty, James C., Indianapolis, Ind. Sirup percolator. 1,566,596; Dec. 22.

Hargreaves, Robert C., Detroit, Mich. Vehicle tire. Des. 69,080; Dec. 22.

Hargrove, Galen C., assignor of one-half to C. E. Riglesberger, Paducah, Ky. Air compressor. 1,566,963; Dec. 22.

Harman, Gerald J., Los Angeles, Calif. Hose nozzle for gasoline pumps. 1,566,597; Dec. 22.

Harper, Joseph V., Washington, N. C. Flower basket. 1,566,794; Dec. 22.

Harrison, Frank W. (See Peck, T. E., and Harrison.)

Harrison, James M., Cleveland, Ohio. Apparatus or system for drying, baking, etc. 1,566,275; Dec. 22.

Harrison, Marion M., assignor to The Miller Rubber Company, Akron, Ohio. Panel and making the same. 1,566,863; Dec. 22.

Haseltine, Stacey B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,566,276; Dec. 22.

Hastings, William H. H. (See Alexander, L., and Hastings.)

Hauer, Leon C., assignor to Pannier Bros. Stamp Co., Pittsburgh, Pa. Die holder. 1,566,864; Dec. 22.

Hawkins, Edward J., Rome, N. Y. Automobile signal. 1,566,598; Dec. 22.

Hayes, Benjamin P., Kansas City, Mo. Telegraph transmitter. 1,566,476; Dec. 22.

Heath, Herbert C. (See Trencham, H., and Heath.)

Heather, Charles H., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Grading machine. 1,566,277; Dec. 22.

Hedstrom, Carl O., et al. (See Carlson, Gustave O., assignor.)

Hees, Harris L., Toronto, Ontario, Canada. Curtain pole. 1,566,402; Dec. 22.

Heffner, Le Roy W., East Norristown Township, Montgomery County, and W. Tiddy, Jeffersonville, Pa. Treatment of gas liquor. 1,566,795; Dec. 22.

Heffner, Le Roy W., East Norristown Township, Montgomery County, and W. Tiddy, Jeffersonville, Pa. Recovery of phenols from ammoniacal liquor 1,566,796; Dec. 22.

Hefter & Company. (See Ohlsson, Charles H., assignor.)

Heinrich, Frank J., Yakima, Wash. Gear and pulley puller. 1,566,673; Dec. 22.

Heisey, A. H., & Company. (See Heisey, Thomas C., assignor.)

Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Glass dish or similar article. Des. 69,081; Dec. 22.

Heraeus, W. C., Gesellschaft mit beschrankter Haftung. (See Haagn, Ernst, assignor.)

Herman, Carl R., assignor to J. F. Cook, Crafton, Pa. Feeding agitator. 1,566,746; Dec. 22.

Herschberg & Company. (See Finkelstein, Robert, assignor.)

Hesson, William W., Toronto, Ontario, Canada, assignor to A. Freeman, New York, N. Y. Tobacco pipe. 1,566,866; Dec. 22.

Hetzer, Joseph, Corona, and E. Kohlhof, New York, N. Y. Swimming purse. 1,566,867; Dec. 22.

Hibbard, Seldon B. (See Thompson, J. B., and Hibbard.)

Higgins, Hubert J., Warwick, R. I. Foldable container. 1,566,964; Dec. 22.

Higgins, William L., Buffalo, N. Y. Fluid regulator. 1,566,599; Dec. 22.

Highway Trailer Company. (See Clement, Charles G., assignor.)

Hill, James J., Ewing, Ill. Device for operating window sashes. 1,566,600; Dec. 22.

Hinkelmann, August, Elberta, Ala. Scuffle hoe. 1,566,868; Dec. 22.

Hodgen, William T., Campbellsville, Ky. Washboard. 1,566,535; Dec. 22.

Hoelscher, William G., Cincinnati, Ohio. Drilling machine. 1,566,477; Dec. 22.

Hoffman, George A., assignor to The New Method Stove Company, Mansfield, Ohio. Radiant. 1,566,601; Dec. 22.

Hoffman, Leon F., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Valve protector. 1,566,403; Dec. 22.

Hofstra, Wiebe S., Claremont, N. H., assignor to Sullivan Machinery Company. Fuel-oil burner. 1,566,478; Dec. 22.

Holland, William C., Edgewater, Colo. Pinless clothesline. 1,566,404; Dec. 22.

Holloway, Charles, jr., San Francisco, Calif. Plastering staple. 1,566,747; Dec. 22.

Holtzman, John, New York, N. Y. Hair-cutter device. 1,566,797; Dec. 22.

Hoober, Frederick P., Hamilton, Ohio. Sectional grate frame. 1,566,869; Dec. 22.

Hookless Fastener Company. (See Sundback, Gideon, assignor.)

Horta, Felix J., Oakland, Calif. Electric brazing apparatus. 1,566,674; Dec. 22.

Horvath, Bela, and J. P. Papp, New Rochelle, N. Y. Amusement device. 1,566,479; Dec. 22.

Hoult, John H., assignor of one-half to O. M. Doolittle, Fairmont, W. Va. Automatic valve. 1,566,748; Dec. 22.

Hounsell, William, Birmingham, and T. C. Fillery, Hawkshurst, England. Apparatus for spreading molten toffee or other like substances to a uniform thickness. 1,566,602; Dec. 22.

Hoving, Fritz, assignor, by mesne assignments, to Raymond Bros. Engineering Co., Chicago, Ill. Transport system for pulverized coal. 1,566,536; Dec. 22.

Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Sulphur burner. 1,566,538; Dec. 22.

Hoyt, Ray S. (See Clark, A. B., and Hoyt.)

Huber, Edwin B., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Drop-hammer guide and adjustment. 1,566,603; Dec. 22.

Hubinger, George M., Milwaukee, Wis. Towel-dispensing cabinet. 1,566,870; Dec. 22.

Hudson, George R., London, England. Propeller pencil. 1,566,871; Dec. 22.

Hull, Matthew R., assignor to Rex Manufacturing Company, Connersville, Ind. Connecting means for two-part automobile doors. 1,566,480; Dec. 22.

Huribut, Artie O., Jacksonville, Fla. Hanging basket. Des. 69,082; Dec. 22.

Iklé, Charles F., assignor to Iklé Frères and Co., Inc., New York, N. Y. Embroidered textile fabric. Des. 69,083; Dec. 22.

Iklé, Charles F., assignor to Iklé Frères and Co., Inc., New York, N. Y. Embroidered textile fabric. Des. 69,084; Dec. 22.

Iklé, Charles F., assignor to Iklé Frères and Co., Inc., New York, N. Y. Lace. Des. 69,085; Dec. 22.

Iké Frères and Co. (See Iklé, Charles F., assignor.)

Ilex Optical Company. (See Klein, Rudolph, assignor.)

Imhoff, Wallace G., Pittsburgh, Pa., assignor to W. S. Smith, New York, N. Y. Apparatus for use in hot galvanizing and the like. 1,566,749; Dec. 22.

Ingersoll-Rand Company. (See Carpenter, Allan O., assignor.)

Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)

Ingersoll-Rand Company. (See Slater, Fred M., assignor.)

International Holding Company, The. (See Niece, Fred G., assignor.)

Interstate Railway Supply Company, The. (See Stephens Henry, assignor.)

Ishizaka, Sansaku, Kochi-Ken, Japan. Water-turbine generator. 1,566,872; Dec. 22.

Isman, Felix, assignor to E. N. Duffy, New York, N. Y. Time-announcing phonograph. 1,566,873; Dec. 22.

Izard, George G. (See Detlefsen, P., and Izard.)

Jackson, Walter C., Abbotsford, Wis. Cooking utensil. 1,566,874; Dec. 22.

Jacobs, Sol A., New York, N. Y. Radiocabinet or similar article. Des. 69,086; Dec. 22.

Jacobson, Anders W. and W. G. Shastal, Hurkett, Ontario, Canada. Sled. 1,566,875; Dec. 22.

Jacobson, William, assignor of one-half to C. W. Reynolds, Chicago, Ill. Roof flashing. 1,566,750; Dec. 22.

Jakeman, John W., Altrincham, assignor to Linotype and Machinery Limited, London, England. Sheet-delivery mechanism of printing machines. 1,566,604; Dec. 22.



Jamison, William, West Homestead, Pa. Valve structure. 1,566,805; Dec. 22.

Jarvio, William, Quincy, Mass. Refacing bushing tool. 1,566,326; Dec. 22.

Jennings, O. D., & Company. (See Garbell, Max., assignor.)

Johansson, Karl M., Stockholm, Sweden. Lathing. 1,566,606; Dec. 22.

Johnson Automobile Lock Co. (See Johnson, Colvin L., assignor.)

Johnson, Charles Eneu, and Company. (See MacArthur, Charles J., assignor.)

Johnson, Colvin L., Chicago, Ill., assignor to Johnson Automobile Lock Co. Tire-lock cable. 1,566,965; Dec. 22.

Johnson, George, River Rouge, Mich. Shade. 1,566,327; Dec. 22.

Johnson, Hjalmar T., Seattle, Wash. Wheel track. 1,566,876; Dec. 22.

Johnson, Richard S., York, Pa. Oven signal. 1,566,751; Dec. 22.

Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Bolt-action firearm. 1,566,877; Dec. 22.

Johnston, Le Roy, et al. (See Kraeer, George E., assignor.)

Jonick-Sirken Co. (See Knieriem, John, assignor.)

Jones, Edwin A., St. Louis, and H. L. Whitelaw, Chicago, Ill., assignors to J. M. Williams, Webster Groves, Mo. Boiler. 1,566,537; Dec. 22.

Jones, Erwin R., Columbus, Ohio. Twine cutter. 1,566,878; Dec. 22.

Jones, Harold T., Vancouver, B. C., Canada. Wheel-locking device. 1,566,405; Dec. 22.

Jones, William A. (See Kazemer, Charles, assignor.)

Jordahl, Anders, New York, N. Y. Air filter. 1,566,607; Dec. 22.

Junor, William, et al. (See Grauel, Allan, assignor.)

Justus, Ora H., Parkersburg, W. Va. Purifier for gasoline systems. 1,566,328; Dec. 22.

Kahne, Michael, New York, N. Y. Baby-carriage brake. 1,566,675; Dec. 22.

Karapetoff, Vladimir, Ithaca, N. Y., assignor to General Electric Company. Metering system. 1,566,879; Dec. 22.

Karpen, S., & Bros. (See Carter, C. B., and Coxe, assignors.)

Karpen, S., & Bros. (See Carter, Carnie B., assignor.)

Kazemer, Charles, assignor of one-third to W. A. Jones, Cleveland, Ohio. Producing an alloy of copper. 1,566,406; Dec. 22.

Kelbrick, John R., Peterborough, Ontario, Canada. Paddle-making machine. 1,566,407; Dec. 22.

Kelley, John E., assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Saw. 1,566,880; Dec. 22.

Kellner, Gustav A. H., assignor to Bausch & Lomb Optical Co., Rochester, N. Y. Ocular micrometer. 1,566,278; Dec. 22.

Kellogg Switchboard and Supply Company. (See Shull, William G., assignor.)

Kelvinator Corporation. (See Spreen, Charles C., assignor.)

Kermer, Martin J., Evanston, Ill. Evaporator. 1,566,539; Dec. 22.

Kerr, Logan M., Ebensburg, Pa. Combination implement. 1,566,881; Dec. 22.

Ketcham, Alonzo, assignor to Wood Hydraulic Hoist and Body Company, Detroit, Mich. Dumping-body construction. 1,566,540; Dec. 22.

Keyms, Joshua, Southampton, England. Eye-protecting screen for personal wear. 1,566,481; Dec. 22.

Kielley, Charles E., Superior, assignor of twenty-five and one-half per cent to J. L. McMahon, Milwaukee, Wis., and twenty-five and one-half per cent to F. O. Brandt, St. Paul, Minn. Rail clamp. 1,566,752; Dec. 22.

King, Robert W., assignor to Western Electric Company, Incorporated, New York, N. Y. Gas-pressure control. 1,566,279; Dec. 22.

Kirby, James C., Minneapolis, Minn. Electric-light attachment for levels. 1,566,541; Dec. 22.

Kirsch, Charles W., assignor to Kirsch Manufacturing Company, Sturgis, Mich. Curtain fixture. 1,566,882; Dec. 22.

Kirsch Manufacturing Company. (See Kirsch, Charles W., assignor.)

Klein, Max, Brooklyn, assignor to Shapiro and Aronson, Inc., New York, N. Y. Table lamp. Des. 69,087; Dec. 22.

Klein, Rudolph, assignor to Ilex Optical Company, Rochester, N. Y. Photographic shutter. 1,566,542; Dec. 22.

Klitholm, Victor N., Wilson, Conn. Sign letters and making same. 1,566,883; Dec. 22.

Knieriem, John, New York, N. Y., assignor to Jonick-Sirken Co., Inc. Ceiling plate for lighting fixtures. Des. 69,088; Dec. 22.

Knowles, Albert E., Heswall, England. Electrolytic cell. 1,566,543; Dec. 22.

Knowles, Edwin M., China Co., The. (See Goodwin, Ernest, assignor.)

Koehring Company. (See Beckwith, Raymond A., assignor.)

Kohlhof, Erich. (See Hetzer, J., and Kohlhof.)

Konoff, Alexander, New York, N. Y. Adjustable mounting for artificial eyes. 1,566,966; Dec. 22.

Koppin, Harry K., Jackson, assignor to General Motors Corporation, Detroit, Mich. Paint-drying machine. 1,566,482; Dec. 22.

Kraeer, George E., assignor of one-sixth to L. Johnston, one-sixth to E. T. Sholtus, Wilson, and one-sixth to W. O. Clay, Wirt, Okla. Underreamer dressing block. 1,566,483; Dec. 22.

Kraetch, Paul H., Astoria, Oreg. Siphon. 1,566,753; Dec. 22.

Krasa, Albert. (See Bates, A. M., and Krasa.)

Krebs, Charles E., Chicago, Ill. Mop head. 1,566,544; Dec. 22.

Kring, John B., Galion, and F. E. Peters, Marion, Ohio. Convertible touring couch. 1,566,967; Dec. 22.

Kruse, Archie E., Portland, Oreg. Refuse burner. 1,566,608; Dec. 22.

Kuntz, Charles J., Glendale, N. Y., and J. Simons, East Orange, N. J. Waterproofing straw hats and the like and product of the same. 1,566,798; Dec. 22.

Lambertville Rubber Company. (See Bommer, Fred W., assignor.)

Lamparter, John W. (See Bridges, H. A., and Lamparter.)

Landis, Frank F., Waynesboro, Pa. Shock diffuser. 1,566,968; Dec. 22.

Larosa, Rocco, New York, N. Y. Combination lock. 1,566,884; Dec. 22.

Larsen, Hans G., Chicago, Ill. Roller for roller skates. 1,566,609; Dec. 22.

Larsen, Mads M., Colton, Calif. Shade bracket and curtain attachment. 1,566,676; Dec. 22.

Larsen, Mads M., Colton, Calif. Thread holder and pincushion. 1,566,677; Dec. 22.

Larson, August B., Indianapolis, Ind. Vegetable bin. 1,566,545; Dec. 22.

Larsson, Thure, assignor to Norton Company, Worcester, Mass. Continuous drying kiln and method of drying ware. 1,567,023; Dec. 22.

Laska, Mathias, New Orleans, La. Automobile locking device. 1,566,885; Dec. 22.

Laskey, William B., Brooklyn, N. Y. Filled candy. 1,566,329; Dec. 22.

Lassen, Christian G., assignor to Shur Loc Elevator Safety Co., Inc., New York, N. Y. Elevator. 1,566,408; Dec. 22.

Latimer, Homer L., Whittier, Calif. Automatic hoist for rotary drill pipes. 1,566,678; Dec. 22.

Lauer Anna, New York, N. Y. Implement for uniting strips of material. 1,566,330; Dec. 22.

Laurltzen, Christian M., Chicago, and W. H. Vogel, Highland Park, assignors to Raymond Brothers Impact Pulverizer Co., Chicago, Ill. Pulverizing mill. 1,566,546; Dec. 22.

Lauterbach, Frederick J., Brooklyn, N. Y., assignor to Westinghouse Lamp Company. Incandescent lamp. 1,566,484; Dec. 22.

Lautrup, George W. (See Lewis, J. D., and Lautrup.)

Lautrup, George W., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Brake. 1,566,485; Dec. 22.

Lavene, Harry A., assignor to Acheson Graphite Company, Niagara Falls, N. Y. Impregnated electrode for furnace work. 1,566,409; Dec. 22.

Leblanc, Bernard, Lac Frontiere, Quebec, Canada. Log-hauling sled. 1,566,610; Dec. 22.

Le Cain, John A., Malden, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Feed-water-heating apparatus. 1,566,799; Dec. 22.

Lee, Roger K., assignor to General Motors Research Corporation, Dayton, Ohio. Internal-combustion engine. 1,566,486; Dec. 22.

Leonard Pump & Motor Company. (See Parkyn, Herbert A., assignor.)

Letin, Chris, San Francisco, Calif. Brake for scooters and coasters. 1,566,487; Dec. 22.

Lewis, Jacob D., and G. W. Lautrup, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Speed-control system for push-button electric elevators. 1,566,488; Dec. 22.

Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,566,331; Dec. 22.

Liberty National Bank, trustee. (See Socia, Alexander J., assignor.)

Lillie, George C., Chicago, Ill. Fountain comb. 1,566,886; Dec. 22.

Lilly, Joe M., Norwood, N. C. Air moistener for internal-combustion engines. 1,566,332; Dec. 22.

Lindquist, David L., Hartsdale, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Guide for elevators. 1,566,490; Dec. 22.

Lindquist, David L., Hartsdale, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Safety mechanism for elevators. 1,566,491; Dec. 22.

Linotype and Machinery Limited. (See Jakeman, John W., assignor.)

Linotype and Machinery Limited. (See Parker, Thomas R. G., assignor.)

Lister, Charles H., Thonotosassa, Fla. Fruit-cleaning machine. 1,566,611; Dec. 22.

Little, Harry C., Larkspur, Calif., assignor to Rotair Burner Corporation. Liquid-fuel burner. 1,566,489; Dec. 22.

Littlefield, Charles W., et al. (See Mortrude, William E. Jr., assignor.)

Littman, Zeno, assignor to Cohoes Envelope Co. Inc., New York, N. Y. Paper bag. 1,566,887; Dec. 22.
Lomando, Lewis, Hazleton, Pa. Chain. 1,566,410; Dec. 22.
Lopez, Felix L., Denbo, Pa. Mechanical toy. 1,566,411; Dec. 22.
Lormor, Henry W., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage-battery grid. 1,566,280; Dec. 22.
Loustalot, Edward V., Franklin, La. Automobile bed. 1,566,612; Dec. 22.
Lovinger, Rose, New York, N. Y. Making ornamental serving trays. 1,566,412; Dec. 22.
Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Static-phase-shifting apparatus. 1,566,333; Dec. 22.
Luckeman, Gunther, Morsemere, N. J. Ignition system. 1,566,888; Dec. 22.
Lundgren, Ernest F., Brooklyn, N. Y. Toothbrush holder. 1,566,889; Dec. 22.
Lux Clock Manufacturing Company. (See Lux, Frederick, assignor.)
Lux, Frederick, assignor to Lux Clock Manufacturing Company, Waterbury, Conn. Clock mounting. 1,566,890; Dec. 22.
Luzzi, August F., Houston, Tex., assignor to M. B. McLean. Vibrator. 1,566,547; Dec. 22.
Lyles, Florence G., Muskegon, Mich. Sewing cabinet. 1,566,754; Dec. 22.
Lyon, Charles D., Chicago, Ill. Hat retainer. 1,566,891; Dec. 22.
MacArthur, Charles J., Glen Ridge, N. J., assignor to Charles Eneu Johnson and Company, Philadelphia, Pa. Device for offset prevention and surface finishing in printing. 1,566,800; Dec. 22.
MacKay, John F., Lancaster, Pa., and R. E. Fader, Norwalk, Ohio. Incubator. 1,567,006; Dec. 22.
Macklem, John W. (See Manson, J. A., and Macklem.)
Madsen, Rasmus H., Hollywood, Calif. Lawn-mower sharpener. 1,566,614; Dec. 22.
Ma Ghrand, Thomas A., Philadelphia, Pa. Shelf and support therefor. 1,566,551; Dec. 22.
Mahan, Francis A., and C. H. McCarthy, Waterbury, Conn. Automobile hood cover. 1,566,897; Dec. 22.
Mahoney, Joseph N., Brooklyn, N. Y., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. High-tension switch. 1,566,756; Dec. 22.
Maillette, Napoléon, Waterbury, Conn. Direction signal. 1,566,905; Dec. 22.
Maisch, Oliver P., assignor to Scully Jones and Company, Chicago, Ill. Tool holder. 1,566,553; Dec. 22.
Maldari, F., & Bro. (See Tanzi, Guido, assignor.)
Mallard, Logan L., Norfolk, Va. Toy. 1,566,495; Dec. 22.
Malone, Edward J., jr., Montclair, assignor to Century Engineering Corporation, Newark, N. J. Motor vehicle. 1,566,554; Dec. 22.
Manning, Maxwell & Moore, Inc. (See Darling, Philip G., assignor.)
Manson, John A., and J. W. Macklem, Battle Creek, Iowa. Hog gate. 1,566,552; Dec. 22.
Maraviglia, Arturo, Savona, Italy. Safety razor. 1,566,757; Dec. 22.
Margles, Samuel G. (See Handy, A. E., and Margles.)
Marion Steam Shovel Company, The. (See Armstrong, Harley J., assignor.)
Marsh, Ephriom H. (See Wilson, S. A., and Marsh.)
Marson, Frank P., Paterson, N. J. Necktie stretcher. 1,566,336; Dec. 22.
Martin, Bruno, Saginaw, Mich. Protecting hood for gasoline torches and the like. 1,566,758; Dec. 22.
Martin, William H., Chappaqua, N. Y., assignor to American Telephone and Telegraph Company. Sound radiator. 1,566,337; Dec. 22.
Massolle, Joseph, J. Engl, Grunewald, and H. Vogt, Berlin-Schoneberg, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Recording sound waves. 1,566,413; Dec. 22.
Matheson, James W. (See Duff, A. L., and Matheson.)
Matisse, Albert. (See Matisse, Carl and A.)
Matisse, Carl and A., New York, N. Y. Reflector for headlights. 1,566,906; Dec. 22.
Maus, Karl, Berlin-Charlottenburg, Germany. Desiccating and compressing pulpy material, particularly peat. 1,566,496; Dec. 22.
Mayhew, Alfred F., Whitneyville, assignor of one-tenth to J. A. Monahan, West New Haven, four-tenths to E. L. Williams, and one-tenth to B. J. McDonnell, New Haven, Conn. Liquid-tank signal device. 1,566,338; Dec. 22.
McArdle, Michael, Chicago, Ill. Stand and container for electric irons. 1,566,893; Dec. 22.
McArdle, Michael W., Chicago, Ill. Container for electric irons. 1,566,892; Dec. 22.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,566,334; Dec. 22.
McCarthy, Charles H. (See Mahan, F. A., and McCarthy.)
McClenny, George G., assignor to G. T. McClenny, Woodville, N. C. Cutter. 1,566,894; Dec. 22.
McClenny, George T. (See McClenny, George G., assignor.)
McCourt, Charles A., Oakland, Calif. Method and apparatus for treating ores. 1,566,755; Dec. 22.
McDermott, Joseph, Toledo, Ohio. Abdominal supporter. 1,566,548; Dec. 22.
McDonald, Charles H., Bartlesville, Okla. Valve. 1,566,613; Dec. 22.
McDonnell, Bernard J., et al. (See Mayhew, Alfred F., assignor.)
McEwen Bros. (See Bjornsson, Carl A., assignor.)
McGee, Richmond M., New York, N. Y., assignor, by mesne assignments, to American Autocashier Co., Inc. Coin-handling machine. 1,566,335; Dec. 22.
McGinness, Maxwell, assignor to The Railgrip Syndicate Limited, London, England. Railway traction system. 1,566,492; Dec. 22.
McKay, Alexander, Montreal, Quebec, Canada. Grain loader for vessels or the like. 1,566,493; Dec. 22.
McKiernan-Terry Drill Company. (See Sturtevant, Thomas E., assignor.)
McKinley, Arthur J., San Francisco, Calif., assignor to The Western States Machine Company, Salt Lake City, Utah. Belt tightener. 1,566,494; Dec. 22.
McKown, Sherman. (See O'Neill, D. M., and McKown.)
McLachlan, Norman W., Rochester, Great Leighs, Chelmsford, England, assignor to Radio Corporation of America. Telephone. 1,566,679; Dec. 22.
McLain, Robert E., New York, N. Y., assignor to General Electric Company. Electric-railway system. 1,566,895; Dec. 22.
McLean, Milton B. (See Luzzi, August F., assignor.)
McMahon, John L., et al. (See Kielley, Charles E., assignor.)
McManus, Charles E., New York, N. Y. Method of and apparatus for making composition cork slabs. 1,566,896; Dec. 22.
McManus, Charles E., New York, N. Y. Method of and apparatus for making composition cork sheets. 1,566,904; Dec. 22.
McMeen, James M., Westmont, assignor of one-third to W. F. Abbott, Glen Ellyn, Ill. Circuit-controlling device. 1,566,549; Dec. 22.
McWilliam, James E., North Oxford, Mass. Railway tie. 1,566,550; Dec. 22.
Mechanical Production Co. (See Drahonovsky, John B., assignor.)
Meesel, Henry W., assignor to U. S. Tool Company, Inc., Newark, N. J. Vernier condenser. 1,566,414; Dec. 22.
Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. Hallesches, Berlin, Germany. Sending arrangement. 1,566,680; Dec. 22.
Memphis Paper Company. (See Rose, Frederick A., assignor.)
Mercedes Büro-Maschinen- und Waffenwerke. See Hamann, Christel, assignor.)
Mergenthaler Linotype Company. (See Morrison, Luther E., assignor.)
Mergenthaler Linotype Company. (See Smith, Samuel, assignor.)
Mertes, Jacob R., Milwaukee, Wis. Mattress handle. 1,566,907; Dec. 22.
Messinger, Lester H., jr., Bridgeport, Conn. Doll's eyes. 1,566,908; Dec. 22.
Metzger, William, New York, N. Y. Lubrication retainer for leaf springs. 1,566,759; Dec. 22.
Meyelin, Paul, Pantin, France. Shaving brush. 1,566,497; Dec. 22.
Mexia Planing Mill Company. (See Dodson, Jack C., assignor.)
Michel, Christopher B., assignor of one-half to J. W. French, Oakland, Calif. Socket or speed wrench. 1,566,760; Dec. 22.
Miles, Lester H., Los Angeles, Calif. Siren and attaching means therefor. 1,566,762; Dec. 22.
Miles, Lester H., Los Angeles, Calif. Siren and attaching means therefor. 1,566,763; Dec. 22.
Miles, Lester H., and J. W. Bayless, Los Angeles, Calif. Siren and attaching means therefor. 1,566,761; Dec. 22.
Millard, Jean S., Akron, Ohio. Doll. 1,566,801; Dec. 22.
Miller, Charles N., San Francisco, Calif. Making waterproof Portland cement. 1,566,498; Dec. 22.
Miller, John J., Chicago, Ill. Electric signaling system for railways. 1,566,555; Dec. 22.
Miller, Robert, Brooklyn, N. Y. Roofing shingle. 1,566,415; Dec. 22.
Miller Rubber Company, The. (See Bulley, George W., assignor.)
Miller Rubber Company, The. (See Harrison, Marion M., assignor.)
Milton, Ivan L., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading coil and method of construction. 1,566,802; Dec. 22.
Milwaukee Brush Manufacturing Company, The. (See Cornell, Irsil L. C., assignor.)
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Mitchell, Joseph S., Chicago, Ill., assignor to Sullivan Machinery Company. Exploratory drilling. 1,566,499; Molleur, Philip T., et al. (See Mortrude, William E jr., assignor.)
Monahan, Julia A., et al. (See Mayhew, Alfred F., assignor.)





Monroe Calculating Machine Company. (See Chase, George C., assignor.)
Montague, Joseph F. (See Goldsmith, C. A., and Montague.)
Moohan, P. J. (See Woodworth, Arthur E., assignor.)
Moore, Chester N., Schenectady, N. Y., assignor to General Electric Company. X-ray apparatus. 1,567,024; Dec. 22.
Moore, D., Company. (See Robinson, Stanley D., assignor.)
Moore, Francis M., Hannibal, Mo. Combination cooking and heating stove. 1,566,909; Dec. 22.
Moore, Walter J., Brooklyn, N. Y. Protective device for vehicles. 1,566,681; Dec. 22.
Moorhead, Caroline H., Ocala, Fla. Dish. Des. 69,089; Dec. 22.
Morris, Roy H., Piedmont, Calif. Adjustable support for trucks and trailers. 1,566,803; Dec. 22.
Morrison, Luther E., New York, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,566,281; Dec. 22.
Morterud, Einar, Torderod, near Moss, Norway. Method and apparatus for digesting pulp in rotating digesters. 1,566,339; Dec. 22.
Mortrude, William E., jr., assignor of one-fourth to C. W. Littlefield, one-fourth to P. T. Molleur, and one-fourth to D. C. Brownell. Electrolytic-cell battery. 1,566,804; Dec. 22.
Moru, Walter W., Kenosha, Wis. Lamp. Des. 69,090; Dec. 22.
Most, Lucifer J., New York, N. Y. Engine-chasing machine. 1,566,910; Dec. 22.
Murphy, Thomas, assignor of one-half to B. C. Stone, Middletown, Conn. Wrench. 1,566,764; Dec. 22.
Myers, William M., St. Joseph, Mo. Pump. 1,566,340; Dec. 22.
Naismith Ruth. (See Bates, Francis C., assignor.)
Nashua Gummed & Coated Paper Company. (See Smith, Raymond E., assignor.)
Natale, Arcangelo, Amsterdam, N. Y. Seesaw. 1,566,765; Dec. 22.
National Aniline & Chemical Company. (See Ralph, Walter M., assignor.)
National Biscuit Company. (See Taylor, George A., assignor.)
Nelson, Charles E., Haines City, Fla. Applying protective coatings. 1,566,911; Dec. 22.
Nelson, Lawrence C., assignor to Stewart Manufacturing Corporation, Chicago, Ill. Carriage-curtain window frame. 1,566,912; Dec. 22.
Newell, Minton H., assignor, by mesne assignments, to The Alloys Company, San Francisco, Calif. Apparatus for manufacturing metal dust. 1,566,913; Dec. 22.
New Haven Clock Co., The. (See English, Philip H., assignor.)
New Haven Clock Co., The. (See Whitehead, Richard H., assignor.)
Newman, Otto A., Edwardsport, Ind. Violin bow. 1,566,914; Dec. 22.
New Method Stove Company, The. (See Hoffman, George A., assignor.)
Newspickle, Milton H., York, Pa. Rim remover. 1,566,556; Dec. 22.
Niece, Fred G., assignor to The International Holding Company, Cleveland, Ohio. Apparatus for treating hydrocarbons. 1,566,341; Dec. 22.
Niece, Fred G., assignor to The International Holding Company, Cleveland, Ohio. Apparatus for treating hydrocarbons. 1,566,416; Dec. 22.
Nitz, Charles G. W., Milwaukee, Wis. Candy-pulling machine. 1,566,682; Dec. 22.
Nixon, George C., Syracuse, N. Y. Casehardening material. 1,566,766; Dec. 22.
Noe, Joseph A., Sharpsburg, Pa. Glass bottle. Des. 69,091; Dec. 22.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Trenton, N. J. Induction heater for and method of heating tire molds. 1,566,500; Dec. 22.
Norton Company. (See Amsden, Sidney H., assignor.)
Norton Company. (See Beecher, M. F., and Boone, assignors.)
Norton Company. (See Larsson, Thure, assignor.)
Norton, Roxanna A., New York, N. Y. Dispensing cabinet or similar article. Des. 69,092; Dec. 22.
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Increasing power capacity of 22-type repeaters. 1,566,342; Dec. 22.
O'Brien, Michael J., New York, N. Y. Combination safety device for automobiles. 1,566,501; Dec. 22.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,566,683; Dec. 22.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,566,684; Dec. 22.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,566,685; Dec. 22.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake. 1,566,686; Dec. 22.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,566,687; Dec. 22.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Shock-absorbing mechanism. 1,566,688; Dec. 22.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Side-door operating and holding mechanism. 1,566,689; Dec. 22.
Odell, Herbert B., Toronto, Ontario, Canada. Oil burner. 1,566,417; Dec. 22.
Ohlsson, Charles H., assignor to Hefter & Company, New York, N. Y. Machine for making paper-box neckts. 1,566,915; Dec. 22.
Okihara, Tanezo, Honolulu, Hawaii. Siphon. 1,566,916; Dec. 22.
Olesen, Olaf, New York, N. Y. Flexible cement composition. 1,566,917; Dec. 22.
Olsen, George L., Calinas, Calif. Beet lifter. 1,566,767; Dec. 22.
Olszowiec, Stanislaw, New Waterford, Nova Scotia, Canada. Hand drill and screw driver. 1,566,418; Dec. 22.
O'Neill, De Witt M., and S. McKown, Yale, Okla. Oil and gas saving and life-saving collar for oil and gas well drilling outfits. 1,566,419; Dec. 22.
Osterhout, John V., Bridgeport, Conn. Nut-tapping machine. 1,566,343; Dec. 22.
Otis Elevator Company. (See Dunn, Edward L., assignor.)
Otis Elevator Company. (See Grosvenor, Graham B., assignor.)
Otis Elevator Company. (See Handy, A. E., and Margles, assignors.)
Otis Elevator Company. (See Lautrup, George W., assignor.)
Otis Elevator Company. (See Lewis, J. D., and Lautrup, assignors.)
Otis Elevator Company. (See Lindquist, David L., assignor.)
Otis Elevator Company. (See Waite, Raymond A., assignor.)
Otis, Frank H., Skaneateles, N. Y. Making elbows from sheet metal. 1,566,768; Dec. 22.
Overman, Edward, and E. P. Blanchard, Los Angeles, Calif. Chiropractic table. 1,566,503; Dec. 22.
Owens, Jesse C., Los Angeles, Calif. Toilet tank. 1,566,769; Dec. 22.
P & M Company, The. (See Warr, Harold G., assignor.)
Pace, Roy W., and J. E. Willett, Los Angeles, Calif. Box-car-door opening and closing device and fastener. 1,566,615; Dec. 22.
Pacheco, Manuel C. (See Simmons, J. P., and Pacheco.)
Pacific Heating Company. (See Schmitt, George P., assignor.)
Pacific Pitting Machine Company. (See Bem, Joseph P., assignor.)
Packer, Willard N., San Pedro, Calif. Separator. 1,566,770; Dec. 22.
Pacz, Aladar, Cleveland, Ohio. Mold composition. 1,566,420; Dec. 22.
Palmer, Hazel E., Kansas City, Kans. Natural-shell perfume lamp. 1,566,502; Dec. 22.
Pannier Bros. Stamp Co. (See Hauer, Leon C., assignor.)
Papp, John P. (See Horvath, B., and Papp.)
Parker, Thomas R. G., Altrincham, assignor to Linotype and Machinery Limited, London, England. Trimming mechanism for curved-stereotype-plate-casting machines. 1,566,557; Dec. 22.
Parks, Paul B. (See Gold, E. H., and Parks.)
Parks, Paul B., Oak Park, and J. Van Vulpen, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Heating system. 1,566,918; Dec. 22.
Parkyn, Herbert A., assignor to Leonard Pump & Motor Company, Chicago, Ill. Refrigerating apparatus. 1,566,919; Dec. 22.
Parziale, Jean, New York, N. Y. Hair-trimming guide. 1,567,011; Dec. 22.
Pass & Seymour Inc. (See Thompson, Don N., assignor.)
Patterson, Edward G., Bismarck, N. Dak. Detonating toy. 1,566,421; Dec. 22.
Patterson, Edward G., Bismarck, N. Dak. Sounding toy. 1,566,422; Dec. 22.
Pearsall, James R., Rochester, N. Y. Camp stove. 1,566,504; Dec. 22.
Peck, Thomas E., and F. W. Harrison, Sioux City, Iowa. Hog oiler. 1,566,558; Dec. 22.
Pelligreen, Nicholas, St. Louis, Mo. Ladder. 1,566,282; Dec. 22.
Perfex Products Corporation, The. (See Daniels, Anthony, assignor.)
Perkins, John L., assignor to American Tissue Mills, Holyoke, Mass. Making decorated crêpe paper. 1,566,690; Dec. 22.
Perky, Scott H., Summit, N. J. Roll. 1,566,771; Dec. 22.
Perrot, Henri, Paris, and G. Calvignac, Levallois-Perret, Seine, France. Metallic wheel for motor vehicles. 1,566,344; Dec. 22.
Perry, William, Provincetown, Mass. Stud-bolt tool. 1,566,691; Dec. 22.
Peters, Frank E. (See Kring, J. B., and Peters.)
Peterson, George H., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Trunk circuits. 1,566,345; Dec. 22.

Pfiager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Locomotive bed. 1,566,423; Dec. 22.

Philadelphia Drying Machinery Company. (See Wigglesworth, Harry H., assignor.)

Phipps, John T., Huntington Park, Calif. Operating head for pumps. 1,566,692; Dec. 22.

Pie, Richard, Racine, Wis. Hat holder. 1,566,920; Dec. 22.

Pilon, Hector P., Paris, France, assignor to General Electric Company. Electron-discharge apparatus. 1,567,012; Dec. 22.

Pinkerton, Edward E., Chicago, Ill. Box. 1,566,505; Dec. 22.

Pittsburgh Clay Pot Company. (See Gray, Arthur E., assignor.)

Pletscher, Otto, Albisrieden, near Zurich, Switzerland. Magneto-electric machine. 1,566,693; Dec. 22.

Plymouth Foundry and Machine Company. (See Robertson, Richard W., assignor.)

Poleschensky, Raimund, Windsheim, Germany. Machine for sowing seeds. 1,566,424; Dec. 22.

Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last support. 1,566,283; Dec. 22.

Power Specialty Company. (See Primrose, John, assignor.)

Prime, Edward J., Groveland, Mass. Antiskidding attachment. 1,566,559; Dec. 22.

Primrose, John, assignor to Power Specialty Company, New York, N. Y. Oil still. 1,566,921; Dec. 22.

Pruitt, Gene E., Frederick, Okla. Engine-shaft thrust bearing. 1,566,969; Dec. 22.

Rachlin, Max, Brooklyn, N. Y. Gutter hanger. 1,566,284; Dec. 22.

Radio Corporation of America. (See Ditcham, William T., assignor.)

Radio Corporation of America. (See McLachlan, Norman W., assignor.)

Radliff, Charles D., San Francisco, Calif. Change tray. 1,566,560; Dec. 22.

Raiche, Paul A., assignor to Davol Rubber Company, Providence, R. I. Machine for stripping rubber nipples from metal forms. 1,567,007; Dec. 22.

Railgrip Syndicate Limited, The. (See McGinness, Maxwell, assignor.)

Railsback, John B., Shreveport, La. Electrolytically producing aluminum. 1,566,694; Dec. 22.

Raised Process Machine Company. (See Blake, James A., asignor.)

Ralph, Walter M., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. 4-nitro-1-acetnaphthalid-6 (or 7)-mono-sulphonic acid. 1,566,425; Dec. 22.

Ransome Concrete Machinery Company. (See Faber, John P., assignor.)

Rapid Calculator Company. (See Schuman, Otto P., assignor.)

Raschick, Charles T., St. Paul, Minn. Pad holder. 1,566,695; Dec. 22.

Rathbun, Milo D., Grand Rapids, Mich., assignor to T. E. Weir, Muncie, Ind. Shield for motor-car radiators. 1,566,922; Dec. 22.

Rauch, George F., Pukwana, S. Dak. Switch operator. 1,566,561; Dec. 22.

Raymond Bros. Engineering Co. (See Bergman, Lars H., assignor.)

Raymond Bros. Engineering Co. (See Hovin, Fritz, assignor.)

Raymond Brothers Impact Pulverizer Co. (See Lauritzen C. M., and Vogel, assignors.)

Reed, Charles A. (See Gill, B. F., and Reed.)

Reese, Arthur, Buckhannon, W. Va. Table. 1,566,426; Dec. 22.

Reese, Arthur G., Cleveland, and P. H. Douglas, Cleveland Heights, assignors to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Tipple. 1,566,506; Dec. 22.

Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,566,898; Dec. 22.

Reid, Arthur I., Stockton, Ill. Dispensing device. 1,566,696; Dec. 22.

Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Trailer drawhead. 1,566,616; Dec. 22.

Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Trailer lock. 1,566,617; Dec. 22.

Remington Accounting Machine Corporation. (See Smith, Charles E., assignor.)

Reneau, James T., assignor of one-half to L. E. Coker, New Orleans, La. Automobile lift. 1,566,427; Dec. 22.

Rex Manufacturing Company. (See Hull, Matthew R., assignor.)

Reynolds, Charles W. (See Jacobson, William, assignor.)

Rice & Adams Corporation. (See Wolf, Frank F., assignor.)

Richard, Eugene C., Flint, Mich., assignor to General Motors Corporation, Detroit, Mich. Vacuum pump system. 1,566,428; Dec. 22.

Ridgley, Francis W., assignor of one-half to G. C. Voss, Exira, Iowa. Chicken roost. 1,566,970; Dec. 22.

Riewe, Fred, Pottsville, Tex. Hand grapples. 1,566,562; Dec. 22.

Riglesberger, Charles E. (See Hargrove, Galen C., assignor.)

Roberts, George W., Vicksburg, Miss. Bearing. 1,566,923; Dec. 22.

Roberts, Joseph. (See Braemer, W. G. R., and Roberts.)

Robertson, Richard W., assignor to Plymouth Foundry & Machine Company, Plymouth, Wis. Pulley attachment for tractors. 1,566,924; Dec. 22.

Robinson, James T. (See Smothers, Robert J., assignor.)

Robinson, Stanley D., Hamilton, Ontario, assignor to D. Moore Company, Limited, Hamilton, Canada. Fireplace front. Des. 69,093; Dec. 22.

Robinson, Stanley D., Hamilton, Ontario, assignor to D. Moore Company, Limited, Hamilton, Canada. Heating unit for a fireplace heater. Des. 69,094; Dec. 22.

Roderick, T. E. (See Gill, B. F., and Reed, assignors.)

Rogers, Everett L., Providence, R. I. Buckle. 1,566,971; Dec. 22.

Tokohi, Richard, Orange Grove, Tex. Insect exterminator. 1,566,925; Dec. 22.

Rose, Frederick A., Memphis, Tenn., assignor to Memphis Paper Company. Box. 1,566,972; Dec. 22.

Rose, John A., Reno, Nev. Water carrier. 1,566,926; Dec. 22.

Rosen, Bessie, administratrix. (See Rosen, David.)

Rosen, David, deceased, New York, N. Y.; B. Rosen, administratrix. Dry battery. 1,566,927; Dec. 22.

Rosen, Hyman, New York, N. Y. Ornamental device. 1,566,973; Dec. 22.

Rosenberg, S. H. (See Frauenberger, Carl F., assignor.)

Rosenberg, S. H. (See Frey, Ellsworth, assignor.)

Rosino, Gilbert G., Sandusky, Ohio. Motor-operated spotlight. 1,566,429; Dec. 22.

Rosso, Forrest U., East Orange, N. J., assignor to Westinghouse Lamp Company. Lamp-stem-annealing machine. 1,566,563; Dec. 22.

Rotair Burner Corporation. (See Little, Harry C., assignor.)

Roth, Adolph F., Newark, N. J. Heating system. 1,566,772; Dec. 22.

Rothenberger, Daniel M., et al. (See Shee, Parke E., assignor.)

Rowan, Harry B., North Attleboro, Mass., assignor to Whiting & Davis Company. Hand bag. 1,566,773; Dec. 22.

Rucker, Buford L., Phoenix, Ariz. Shoe cleaner. 1,566,564; Dec. 22.

Runsvold, Martin S., San Diego, Calif. Automatic electric flatiron. 1,566,618; Dec. 22.

Ruse, Salvanus A., et al. (See Schwinden, Nicholas A., assignor.)

Russell, Edward A. (See Gold, E. H., and Russell.)

Russell, Marks. (See Saiger, L., and Russell.)

Russell, Thomas C., Chicago, Ill. Electric heater. 1,566,507; Dec. 22.

Russell, Walter J., Winnipeg, Manitoba, Canada. Grain-roasting drum. 1,566,430; Dec. 22.

Ruthenburg, Louis R., Dayton, Ohio. Self-propelled vehicle. 1,566,285; Dec. 22.

Rutishauser, Arnold, Olten, Switzerland. Mowing machine. 1,567,013; Dec. 22.

Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism. 1,566,697; Dec. 22.

Rypinski, Maurice C., Yonkers, N. Y., assignor, by mesne assignments, to Brandes Laboratories, Inc., Newark, N. J. Loud speaker. 1,566,928; Dec. 22.

Saiger, Lewis and M. Russell, Johnstown, N. Y. Holder for thermos bottles and the like. 1,566,698; Dec. 22.

St. Clair, Arthur R., Whitley Bay, England. Illuminating device for simulating daylight. 1,566,703; Dec. 22.

Sak, Søren, Copenhagen, Denmark, assignor, by mesne assignments, to The Fleischmann Company, New York, N. Y. Production of yeast. 1,566,431; Dec. 22.

Salsich, Neil E., Bethlehem, Pa. Gauge rod. 1,566,346; Dec. 22.

Sandberg, Swan A., Lee Center, Ill. Clutch-control mechanism. 1,566,508; Dec. 22.

Sanford, Hugh W., Knoxville, Tenn. Railway car. 1,566,432; Dec. 22.

Santo, Martha E., Mountain View, Calif. Ironing board. 1,566,774; Dec. 22.

Santos, Raymundo de S., Philadelphia, Pa. Shock absorber. 1,566,381; Dec. 22.

Saunders, Addison T., Akron, Ohio, assignor to A. G. Spalding & Bros., New York, N. Y. Hollow ball and making the same. 1,566,974; Dec. 22.

Saxberg, Ake G. (See Frenne, N., and Saxberg.)

Scaparrott, James, Butler, Pa. Tile or similar article. Des. 69,095; Dec. 22.

Schädell, Paul. (See Fritzsche, H., and Schädell.)

Scharff, Adrian C., Orange, Conn. Smoker's stand. Des. 69,096; Dec. 22.

Scharr, Harry I., Washington, D. C. Electrical fitting. 1,566,975; Dec. 22.

Schenk, George E., Brooklyn, N. Y. Golf-stroke-recording apparatus. 1,566,775; Dec. 22.

Schenk, George E., Brooklyn, N. Y. Game. 1,566,776; Dec. 22.

Schlossareck, Hugo G. A., Yonkers, N. Y. Flytrap. 1,566,619; Dec. 22.

Schmelz, Charles F., assignor to Curtis & Curtis Co., Bridgeport, Conn. Pipe threading and cutting off machine. 1,566,700; Dec. 22.



Schmidt, David, New York, N. Y. Watchcase construction. 1,566,976; Dec. 22.

Schmitt, George P., Oakland, Calif., assignor to Pacific Heating Company. Radiator. 1,566,977; Dec. 22.

Scholtz, Edward A., San Francisco, Calif. Thermostatic control. 1,566,699; Dec. 22.

Schumacher, John, Los Angeles, Calif. Delivery apparatus. 1,566,701; Dec. 22.

Schuman, Otto P., assignor to Rapid Calculator Company, Philadelphia, Pa. Clearing device for setting disks of calculating machines. 1,566,978; Dec. 22.

Schuman, Otto P., assignor to Rapid Calculator Company, Philadelphia, Pa. Locking device for zero-setting mechanisms of calculating machines. 1,566,979; Dec. 22.

Schürer, Eugene, assignor to Felten and Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Equalizing pairs of self-induction coils. 1,566,565; Dec. 22.

Schwanz, Albert, St. Louis, Mo. Punch-centering machine. 1,566,509; Dec. 22.

Schwenck, Frederick W., Cincinnati, Ohio. Bottle. Des. 69,097; Dec. 22.

Schwinden, Nicholas A., assignor of one-fourth to G. W. Carey, Boise, one-fourth to S. A. Ruse, Nampa, one-fourth to H. L. Tucker, and one-fourth to O. F. Zurcher, Boise, Idaho. Antislipping tire armor. 1,566,433; Dec. 22.

Scoville, Charles B., jr., Pasadena, Calif. Air compressor. 1,566,620; Dec. 22.

Scully Jones and Company. (See Maisch, Oliver P., assignor.)

Seabolm, Ernest W., assignor to General Motors Corporation, Detroit, Mich. Brake mechanism for motor vehicles. 1,566,434; Dec. 22.

Seede, John A., Schenectady, N. Y., assignor to General Electric Company. Regulator for electric heaters. 1,566,980; Dec. 22.

Selberlich, Louis G., Oshkosh, Wis. Loft stairway. 1,566,981; Dec. 22.

Senechal, Myrah H., Portland, Oreg. Automobile signal. 1,566,621; Dec. 22.

Shackelton, William J., Scotch Plains, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Inductance device. 1,566,777; Dec. 22.

Shapiro and Aronson, Inc. (See Klein, Max, assignor.)

Shastal, William G. (See Jacobson, A. W., and Shastal.)

Shaw, Abner B., North Dartmouth, Mass. Temperature-indicating device. 1,566,347; Dec. 22.

Shee, Parke E., Lancaster, assignor of one-half to D. M. Rothenberger, Leesport, Pa., and one-half to M. L. Dries, Wyomissing, Pa. Flower holder. 1,566,982; Dec. 22.

Sheehan, William M., assignor to Commonwealth Steel Company, St. Louis, Mo. Locomotive-frame front end. 1,566,510; Dec. 22.

Sheriff, J Ed., assignor to G. A. Sykes, New York, N. Y. Vacuum container. 1,566,983; Dec. 22.

Shoemaker, Robert J., Chicago, Ill. Electroplating method and electroplated articles. 1,566,984; Dec. 22.

Sholtus, Edward T., et al. (See Kraeer, George E., assignor.)

Shope, David F., Portland, Oreg. Brickmaking machine. 1,566,435; Dec. 22.

Shuford, Stephen W., Cowpens, S. C. Weighing mechanism. 1,566,348; Dec. 22.

Shuler, John, Columbus, Ohio. Treating wood. 1,566,985; Dec. 22.

Shull, William G., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,566,622; Dec. 22.

Shur Loc Elevator Safety Company. (See Chasan, Louis, assignor.)

Shur Loc Elevator Safety Co. (See Lassen, Christian G., assignor.)

Shur Loc Elevator Safety Co. (See Williamson, Glenn S., assignor.)

Siegner, William A., Stratford, and W. D. Graham, Brantford, Ontario, Canada. Roadway-crossing intersecting railroad track. 1,566,436; Dec. 22.

Signal Accessories Corporation. (See Edward, J. C., and Bossert, assignors.)

Signal Gesellschaft mit beschränkter Haftung. (See Hahnemann, Walter, assignor.)

Simmons, João P., and M. C. Pacheco, New Bedford, Mass. Building-block construction. 1,566,988; Dec. 22.

Simmons, Leo, Washington, D. C. Foot-rest electric heater. 1,566,986; Dec. 22.

Simmons, Leo, Washington, D. C. Electric warmer for the feet. 1,566,987; Dec. 22.

Simmons, William A., Pleasanton, Kans. Clothesline adjuster. 1,566,702; Dec. 22.

Simonds Saw and Steel Company. (See Kelley, John E., assignor.)

Simons, Joseph. (See Kuntz, C. J., and Simons.)

Simpson, James A., Chicago, Ill. Dipper-door locking means. 1,566,437; Dec. 22.

Singer, Philip A., Glen Ellyn, Ill. Device for treating material. 1,566,623; Dec. 22.

Skolnik, Max, Minneapolis, Minn. Electric heater. 1,566,989; Dec. 22.

Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Double-drum hoist. 1,566,349; Dec. 22.

Smith, Andrew, Milwaukee, Wis. Oil-pan construction. 1,566,438; Dec. 22.

Smith, Aurelius, Indianapolis, Ind. Readjustable cushion shoe heel. 1,566,350; Dec. 22.

Smith, Charles E., Brooklyn, assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,566,286; Dec. 22.

Smith, Edward M., Los Angeles, Calif. Forming double-cut pipe. 1,566,624; Dec. 22.

Smith, Henry C., St. Marys, Ohio. Dish-washing device. 1,566,439; Dec. 22.

Smith, Herbert B. (See Smith, Joseph L., assignor.)

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,566,287; Dec. 22.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,566,440; Dec. 22.

Smith, Joseph L., assignor of one-half to H. B. Smith, Buffalo, N. Y. Smoker's stand. Des. 69,098; Dec. 22.

Smith, Raymond E., Portland, Oreg., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H. Dispensing package for paper. 1,566,990; Dec. 22.

Smith, Samuel, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting machine. 1,566,288; Dec. 22.

Smith, Warren S. (See Imhoff, Wallace G., assignor.)

Smothers, Robert J., assignor to J. T. Robinson, Holyoke, Mass. Web guide. 1,566,441; Dec. 22.

Socia, Alexander J., assignor, by mesne assignments, to Liberty National Bank, trustee, Syracuse, N. Y. Pressing machine. 1,566,351; Dec. 22.

Societe Chimique des Usines du Rhone. (See Grillet, Nicolas B., assignor.)

Society of Chemical Industry in Basle. (See Fritzsche, H., and Schädell, assignors.)

Sonnenfeld, Joseph, Brooklyn, N. Y. Automobile bumper. 1,566,991; Dec. 22.

Sorensen, Niels C., Chicago, Ill. Brush. 1,566,511; Dec. 22.

Spalding, A. G., & Bros. (See Saunders, Addison T., assignor.)

Spears, Charles A., Oakland, Calif. Depth regulator for scraping and surfacing machines. 1,566,625; Dec. 22.

Speck, Herman H., deceased, Cincinnati, Ohio; J. Speck, executrix. Swing. 1,567,010; Dec. 22.

Speck, Josephine, executrix. (See Speck, Herman H.)

Spence, Joseph, Maywood, Nebr. Cutter attachment for tractors. 1,566,992; Dec. 22.

Spinney, Burton A., Des Moines, Iowa. Truck. 1,566,993; Dec. 22.

Spiro, Leon, and E. T. White, Everett, Wash. Scale. 1,566,994; Dec. 22.

Spreen, Charles C., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerator thermometer. 1,567,008; Dec. 22.

Stack, James R., Perth Amboy, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Recovering tin from ores. 1,566,352; Dec. 22.

Stancliffe, Cecil W., assignor to Stancliffe Engineering Corporation, New York, N. Y. Isothermal air compressor. 1,566,442; Dec. 22.

Stancliffe Engineering Corporation. (See Stancliffe Cecil W., assignor.)

Standard Development Company. (See Clark, Edgar M., assignor.)

Standard Oil Company. (See Cash, Gentry, assignor.)

Standard Oil Company. (See Wilson, R. E., and Brown, assignors.)

Standard Oil Company. (See Wilson, Robert E., assignor.)

Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Oil governor. 1,566,995; Dec. 22.

Statham, Noel, Irvington, assignor to West Virgina Pulp and Paper Company, New York, N. Y. Dry-distillation apparatus. 1,566,778; Dec. 22.

Steele, Albert H., Kansas City, Mo. Vending machine. 1,566,626; Dec. 22.

Stephen, Archibald R., Lodi, Calif. Almond sheller. 1,566,779; Dec. 22.

Stephens, Henry, assignor to The Interstate Railway Supply Company, Cleveland, Ohio. Guard rail. 1,566,443; Dec. 22.

Stephens, Henry, assignor to The Interstate Railway Supply Company, Cleveland, Ohio. Guard rail. 1,566,444; Dec. 22.

Sterritt, Robert E., Cranston, assignor to Davol Rubber Company, Providence, R. I. Rubber internal-bath bag. 1,567,009; Dec. 22.

Stevens, Frederick A., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. Re16,282; Dec. 22.

Stevens, Frederick A., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. Re16,283; Dec. 22.

Stevens, George M., assignor of one-third to J. C. Balletti and one-third to W. C. Anderson, San Francisco, Calif. Rubber friction drive ring. 1,566,704; Dec. 22.

Stevens, Robert C., Erie, Pa. Valve gear for steam engines. 1,566,627; Dec. 22.

Stewart Manufacturing Corporation. (See Nelson, Lawrence C., assignor.)

Stewart-Warner Speedometer Corporation. (See Whittington, Frederik G., assignor.)

Stodola, Francis J., jr., Oak Park, Ill. Combined cap and swab. 1,566,289; Dec. 22.

Stone, Berkley C. (See Murphy, Thomas, assignor.)
Stosick, Edmund C., assignor to Durant Manufacturing Company, Milwaukee, Wis. Counter. 1,566,628; Dec. 22.
Stretch, Arthur J., Seattle, Wash. Spring suspension device. 1,566,629; Dec. 22.
Stringer, Frank, Kellogg, Idaho. Cigarette box. 1,566,445; Dec. 22.
Sturtevant, Thomas E., assignor to McKiernan-Terry Drill Company, Dover, N. J. Rock drill. 1,566,630; Dec. 22.
Sturtevant, Thomas E., assignor to McKiernan-Terry Drill Company, Dover, N. J. Pile driving and pulling mechanism. 1,566,631; Dec. 22.
Subers, Lawrence A., Lakewood, Ohio. Laminated cohesive interwound rubber tube and making the same. 1,566,512; Dec. 22.
Suckoff, Samuel, Chicago, Ill. Cushion-cover construction. 1,566,353; Dec. 22.
Suckoff, Samuel, Chicago, Ill. Cushion-cover construction. 1,566,354; Dec. 22.
Sullivan Machinery Company. (See Hofstra, Wiebe S., assignor.)
Sullivan Machinery Company. (See Mitchell, Joseph S., assignor.)
Sullivan Machinery Company. (See Wyman, Charles W., assignor.)
Sunbeam Motor Car Company. (See Coatalen, Louis, assignor.)
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener slider. 1,566,996; Dec. 22.
Sunnes, Henry M., Chicago, Ill. Packing for pumps. 1,566,355; Dec. 22.
Swenson, Henry A., Tustin, Calif. Door catch. 1,566,632; Dec. 22.
Swift, Lewis B., assignor to Taylor Instrument Companies, Rochester, N. Y. Automatic control apparatus for processing equipment. 1,566,290; Dec. 22.
Swingspont Measure Co. (See Wiswell, Ozro N., assignor.)
Swinney Brothers Limited. (See Thompson, Herbert A., assignor.)
Sykes Company, The. (See Winther, Martin P., assignor.)
Sykes, George A. (See Sheriff, J Ed, assignor.)
Taggart, George M., jr., Seattle, Wash. Door latch. 1,566,997; Dec. 22.
Tamblyn, Gordon M., Denver, Colo. Sleeper hanger. 1,566,291; Dec. 22.
Tanner, Matthias T., Rich Square, N. C. Coin-controlled liquid-vending machine. 1,566,446; Dec. 22.
Tanzi, Guido, Long Island City, assignor to F. Maldari & Bro., New York, N. Y. Producing twisted macaroni. 1,566,705; Dec. 22.
Tatar, Stanley, Detroit, Mich. Beet harvester. 1,566,780; Dec. 22.
Tax, Morris, Milwaukee, Wis. Fixture strap. 1,566,998; Dec. 22.
Taylor, Benjamin P., Wyoming, assignor to Taylorall, Inc., Cincinnati, Ohio. Rubber cement. 1,566,566; Dec. 22.
Taylor, George A., Bergenfield, N. J., assignor to National Biscuit Company, New York, N. Y. Display rack. Re16,234; Dec. 22.
Taylor, Hugh P., assignor to P. B. Brokamp, Dayton, Ohio. Apparatus for reducing the offal in slaughterhouses to grease and tankage. 1,567,014; Dec. 22.
Taylor Instrument Companies. (See Swift, Lewis B., assignor.)
Taylor, James E., Dallas, Tex. Device for preventing grease leakage in axle bearings. 1,566,633; Dec. 22.
Taylorall, Inc. (See Taylor, Benjamin P., assignor.)
Terhell, Oscar, Los Angeles, Calif. Traffic-signal casing. Des. 69,099; Dec. 22.
Terminal Engineering Company. (See Brinton, Willard C., assignor.)
Texas Company, The. (See Drake, Rollin L., assignor.)
Thackery, Thomas W., Winnetka, Ill. Spring shoe. 1,566,513; Dec. 22.
Theriault, Daniel L., Cornwall, Ontario, Canada. Building construction. 1,566,447; Dec. 22.
Thomas & Bets Co., The. (See Thomas, George C., jr., assignor.)
Thomas, Clifford A., Yakima, Wash. Skate. 1,566,706; Dec. 22.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Adapter for connecting devices. 1,566,781; Dec. 22.
Thomas, James A., Albert Lea, Minn. Automobile spotlight. 1,566,999; Dec. 22.
Thompson, Don N., Syracuse, assignor to Pass & Seymour Inc., Solvay, N. Y. Electric switch. 1,566,292; Dec. 22.
Thompson, Herbert A., assignor of one-half to Swinney Brothers Limited, Mopeth, England. Cooking stove and range. 1,567,000; Dec. 22.
Thompson, Herbert A., assignor of one-half to Swinney Brothers Limited, Morpeth, England. Forced-draft-furnace front which is convertible for firing with coal or oil or both. 1,567,001; Dec. 22.
Thompson, James B., and S. B. Hibbard, Portland, Oreg. Refrigeration and apparatus therefor. 1,566,448; Dec. 22.
Throm, Albert J., Grapeville, Pa. Fount cut. 1,567,002; Dec. 22.
Thune, Sverre, Skolen, near Christianla, Norway. Screen for wood pulp, etc. 1,566,929; Dec. 22.
Thurber, Donald H., Watertown, Mass., assignor to M. J. Bean, Natick, Mass. Cover for leaf springs. 1,566,930; Dec. 22.
Tickle, Arthur, Brooklyn, N. Y. Piston. 1,566,931; Dec. 22.
Tiddy, William. (See Heffner, L. W., and Tiddy.)
Tiger, Gustave, Chicago, Ill. Vehicle signal. 1,566,782; Dec. 22.
Tingle, Margaret, Cleveland, Ohio. Adjustable cuff. 1,566,932; Dec. 22.
Tocchio, Michele, Hammersmith, London, England. Electric cooking grill. 1,566,449; Dec. 22.
Toepfer, Henrietta, New York, N. Y. Sadiron holder. 1,566,933; Dec. 22.
Tomic, Helen, South Bethlehem, Pa. Salvage-indicating buoy. 1,566,934; Dec. 22.
Tomlinson, William A., Phoenix, Ariz. Awning attachment. 1,566,450; Dec. 22.
Toquet, Benjamin L., Westport, Conn. Oiling device. 1,566,783; Dec. 22.
Trambley, Herbert P., San Francisco, Calif. Apparatus for treating disease. 1,566,634; Dec. 22.
Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,567,015; Dec. 22.
Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,567,016; Dec. 22.
Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,567,017; Dec. 22.
Trencham, Henry, Ruislip, and H. C. Heath, Wembley, England, assignors to General Electric Company. Electric switch. 1,566,935; Dec. 22.
Tri-Ergon Limited. (See Massolle, J., Engl, and Vogt, assignors.)
Trombetta, Panfilo, Schenectady, N. Y., assignor to General Electric Company. Electric power system. 1,566,936; Dec. 22.
Tucker, Henry L., et al. (See Schwinden, Nicholas A., assignor.)
Turner, Joseph E. (See Card, E. J., and Turner.)
Turnbull, Frederick A., Brooklyn, assignor to E. Biersack, New York, N. Y. Lock. 1,566,937; Dec. 22.
Underwood Typewriter Company. (See Campbell, George W., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Unger, Nils A., Vinterviken, Aspudden, Sweden. Explosive. 1,566,784; Dec. 22.
Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
Union Switch & Signal Company, The. (See Lucas, Samuel M., assignor.)
Union Switch & Signal Company. (See McCann, Ronald A., assignor.)
Union Switch & Signal Company. (See Wallace, Herbert A., assignor.)
United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
United Shoe Machinery Corporation. (See Heather, Charles H., assignor.)
United Shoe Machinery Corporation. (See Pope, Joseph H., assignor.)
U. S. Tool Company. (See Mecsel, Henry W., assignor.)
Universal Oil Products Company. (See Egloff, Gustav assignor.)
Universal Optical Corporation. (See Beattey, Earle J. R., assignor.)
Van der Bijl, Hendrik J., assignor to Western Electric Company, Incorporated, New York, N. Y. Thermionic device. 1,566,293; Dec. 22.
Van der Meulen, Johannes H., Arnhem, Netherlands. Vulcanizing fat substance. 1,566,785; Dec. 22.
Van Vulpen, John. (See Parks, P. B., and Van Vulpen.)
Vapor Car Heating Company, Inc. (See Bliss, William L., assignor.)
Vapor Car Heating Company. (See Gold, E. H., and Parks, assignors.)
Vapor Car Heating Company. (See Gold, E. H., and Russell, assignors.)
Vapor Car Heating Company. (See Parks, P. B., and Van Vulpen, assignors.)
Vaughn, Fred B., Los Angeles, Calif. Sucker-rod antifriction means for well tubing. 1,566,451; Dec. 22.
Veglia, Luigi, and F. Di Giovanni, Chicago, Ill. Store awning. 1,566,356; Dec. 22.
Vickerys (1920) Limited. (See White, John, assignor.)
Vidaver Mailing Machine Co. (See Vidaver, Maxwell, assignor.)
Vidaver, Maxwell, assignor, by mesne assignments, to Vidaver Mailing Machine Co., Inc., New York, N. Y. Automatic stamping and sealing machine. 1,566,635; Dec. 22.
Vietor, Lynn A., Eureka, Calif. Street lamp. Des. 69,100; Dec. 22.
Vogel, William H. (See Lauritzen, C. M., and Vogel.)
Vogt, Hans. (See Massolle, J., Engl, and Vogt.)





Voss, George C. (See Ridgley, Francis W., assignor.)
Wagenhorst, James H., Akron, Ohio. Wheel with demountable-tire-carrying rim. 1,566,452; Dec. 22.
Waite, Raymond A., Yonkers, N. Y., assignor Otis Elevator Companp, Jersey City, N. J. Electric elevator system. 1,566,453; Dec. 22.
Waite, Henry W., Gainesville, Fla. Universal joint. 1,566,454; Dec. 22.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Yarn-impinging, lay-actuated, box-controlled weft detector. 1,566,707; Dec. 22.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Rewinding device for loom let-offs. 1,566,708; Dec. 22.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,566,455; Dec. 22.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Banding for lighting fixtures. Des. 69,101; Dec. 22.
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,566,294; Dec. 22.
Wallis, Henry E., Chicago, Ill., assignor of one-third to A. G. Bush, Davenport, Iowa. Vertical steam boiler. 1,566,567; Dec. 22.
Walsh, A. J. (See Gilder, Eugenie K., assignor.)
Walsh, James M., Milwaukee, Wis. Hame. 1,566,636; Dec. 22.
Walty, Frank O. (See Walty, Melvin E. and F. O.)
Walty, Melvin E., Lone Rock, and F. O. Walty, Avoca, Wis. Antiskid device. 1,566,938; Dec. 22.
Ward, James J., St. Louis, Mo. Fish net. 1,566,637; Dec. 22.
Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,566,357; Dec. 22.
Warrington, Walter H., et al. (See Grauel, Allan, assignor.)
Wash, Milton V., assignor to Beaver Falls Art Tile Company, Beaver Falls, Pa. Tile press. 1,566,638; Dec. 22.
Wasserman, David, Jersey City, N. J. Corner fastening for bedsteads. 1,566,709; Dec. 22.
Watson, Edward F., Yonkers, N. Y., assignor to American Telephone and Telegraph Company. Printing-telegraph system. 1,566,295; Dec. 22.
Watson, Herbert H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Friction let-off for looms. 1,566,710; Dec. 22.
Webb, Edward A. (See Fielding, Frederick C., assignor.)
Weber, Mathias J., assignor to Continental Scale Works Chicago, Ill. Weighing-scale beam. Des. 69,102; Dec. 22.
Weck, Erwin A., Dolau, Reub, Germany. Mechanical stoker. 1,566,456; Dec. 22.
Wegener, Ferdinand E., Sherman, Tex. Ice-delivering device. 1,566,514; Dec. 22.
Weir, Thomas E. (See Rathbun, Milo D., assignor.)
Welch, Alfred F., Fort Wayne, Ind., assignor to General Electric Company. Dynamo-electric machine. 1,566,939; Dec. 22.
Wellington, Irving B., Los Angeles, Calif. Apparatus for sand-blast carving. 1,566,711; Dec. 22.
Wellman-Seaver-Morgan Company, The. (See Reese, A. G., and Douglas, assignors.)
Wendt, Anders B. W., Umea, Sweden. Manicure and pedicure implement. 1,566,712; Dec. 22.
West Virginia Pulp and Paper Company. (See Statham, Noel, assignor.)
Western Electric Company. (See Farrington, John F., assignor.)
Western Electric Company. (See Field, Frank F., assignor.)
Western Electric Company. (See King, Robert W., assignor.)
Western Electric Company. (See Milton, Ivan L., assignor.)
Western Electric Company. (See Shackelton, William J., assignor.)
Western Electric Company. (See van der Bijl, Hendrik J., assignor.)
Western States Machine Company, The. (See McKinley, Arthur J., assignor.)
Western Supply Company. (See Crotto, Frank E., assignor.)
Westinghouse Lamp Company. (See Gero, William B., assignor.)
Westinghouse Lamp Company. (See Lauterbach, Frederick J.)
Westinghouse Lamp Company. (See Ross, Forrest U., assignor.)
Whalin Auto Lens & Light Co. (See Whalin, Charles E., assignor.)
Whalin, Charles E., Salt Lake City, Utah, assignor to Whalin Auto Lens & Light Co. Lantern globe. 1,566,457; Dec. 22.
Whirl Pool Water Motor Company, The. (See Blume, Charles A., assignor.)
Whitcomb, Alonzo W., Worcester, Mass. Rotary pump. 1,566,296; Dec. 22.
White, Edward T. (See Spiro, L., and White.)
White, John, Edinburgh, Scotland, assignor to Vickerys (1920) Limited, London, England. Doctor for paper machines. 1,566,358; Dec. 22.
White, John C., Bowling Green, Ohio. Self-retaining antifriction insert for leaf springs. 1,566,940; Dec. 22.
White, S. S., Dental Manufacturing Company, The. (See Essig, Norman S., assignor.)
Whitehead, Richard H., assignor to The New Haven Clock Co., New Haven, Conn. Clock case. Des. 69,103; Dec. 22.
Whitehead, Richard H., assignor to The New Haven Clock Co., New Haven, Conn. Case for a marine clock movement. Des. 69,104; Dec. 22.
Whitehead, Richard H., assignor to The New Haven Clock Co., New Haven, Conn. Case for a marine clock movement. Des. 69,105; Dec. 22.
Whitelaw, Hubert L. (See Jones, E. A., and Whitelaw.)
Whiting & Davis Company. (See Rowan, Harry B., assignor.)
Whittington, Frederik G., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Electric motor for warning signals. 1,566,941; Dec. 22.
Wigglesworth, Harry H., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Automatic drier for hosiery. 1,566,899; Dec. 22.
Willard Storage Battery Company. (See Lormor, Henry W., assignor.)
Willett, Jack E. (See Pace, R. W., and Willett.)
Williams, Frederick L., et al. (See Mayhew, Alfred F., assignor.)
Williams, Jesse M. (See Jones, E. A., and Whitelaw, assignors.)
Williams, Ralph, Richmond, Australia. Apparatus for forming concrete slabs. 1,566,568; Dec. 22.
Williams, Raymond A., Pittsfield, Mass. Insulated-wire stripping and scraping device. 1,566,297; Dec. 22.
Williams, Winfield S., Chicago, Ill. Fluid compressor. 1,566,458; Dec. 22.
Williamson, Glenn S., Cedar Grove, N. J., assignor to Shur Loc Elevator Safety Co., Inc., New York, N. Y. Elevator. 1,566,713; Dec. 22.
Willis, William A., Parsons, Kans. Rail. 1,566,942; Dec. 22.
Wilson, Albert, Yuma, Ariz. Keyless padlock. 1,566,298; Dec. 22.
Wilson, Robert E., Chicago, Ill., and E. P. Brown, assignors to Standard Oil Company, Whiting, Ind. Fabric impervious to petroleum hydrocarbon vapors. 1,566,943; Dec. 22.
Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Preventing loss by evaporation from storage tanks. 1,566,944; Dec. 22.
Wilson, Stephen A., and E. H. Marsh, Egypt, Ga. Insect exterminator. 1,566,714; Dec. 22.
Winchester Repeating Arms Co. (See Johnson, Thomas C., assignor.)
Winkler, John, Philadelphia, Pa. Permutation vault lock. 1,566,715; Dec. 22.
Winkley, Erastus E., Lynn, Mass. Golf apparatus. 1,566,945; Dec. 22.
Winther, Martin P., Kenosha, Wis., assignor to The Sykes Company, St. Louis, Mo. Self-propelled railway car. 1,566,299; Dec. 22.
Wiswell, Ozro N., Los Angeles, Calif., assignor to Swingspout Measure Co. Swingspout container. 1,566,716; Dec. 22.
Witowski, Walter, Brooklyn, N. Y. Camp stool. 1,566,359; Dec. 22.
Witwer, Andrew S., Joliet, Ill. Receptacle closure. 1,566,946; Dec. 22.
Wolf, Frank F., assignor to Rice & Adams Corporation, Buffalo, N. Y. Bottle-feeding mechanism. 1,566,717; Dec. 22.
Wolff, Friedrich, Berlin, Germany. Safety device for blast-furnace gas pipes. 1,566,718; Dec. 22.
Wood Hydraulic Hoist and Body Company. (See Ketcham, Alonzo, assignor.)
Woodworth, Arthur E., assignor of one-half to P. J. Moohan, Kenosha, Wis. Shipping block. 1,566,947; Dec. 22.
Worthington Pump and Machinery Corporation. (See Le Cain, John A., assignor.)
Wright, Elinor M. and J. W., San Francisco, Calif. Removable handle for utensils. 1,566,719; Dec. 22.
Wright, John W. (See Wright, Elinor M. and J. W.)
Wyatt, Robert A., Parkersburg, W. Va. Tank gauge. 1,566,948; Dec. 22.
Wyckoff, Holmes S., Little Falls, N. J. Evenness tester. 1,566,949; Dec. 22.
Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling system. 1,566,459; Dec. 22.
Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling system. 1,566,460; Dec. 22.
Yushka, Isabella. (See Yushka, Thomas, assignor.)
Yushka, Thomas, assignor of one-half to I. Yushka, Baltimore, Md. Spool holder. 1,566,950; Dec. 22.
Zorbaugh, Philip L. (See Adamson, Charles E., assignor.)
Zurcher, Otto F., et al. (See Schwinden, Nicholas A., assignor.)

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 22D DAY OF DECEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abdominal supporter. J. McDermott. 1,566,548; Dec. 22.
Acid, 4-nitro-1-acetnaphthalid-6 (or 7)-mono-sulphonic. W. M. Ralph. 1,566,425; Dec. 22.
Advertising device. H. R. Estes. 1,566,739; Dec. 22
Advertising structure. M. R. Chesney. 1,566,735; Dec. 22.
Aiding the hearing, Device for. C. Carroll. 1,566,731; Dec. 22.
Air compressor. G. C. Hargrove. 1,566,963; Dec. 22.
Air compressor. C. B. Scoville, jr. 1,566,620; Dec. 22.
Air compressor, Isothermal. C. W. Stancliffe. 1,566,442; Dec. 22.
Air filter. A. Jordahl. 1,566,607; Dec. 22.
Alcohols, Manufacture of. C. B. Carter and A. E. Coxe. 1,566,818; Dec. 22.
Alloy and article partially composed of same and producing the alloy. E. Haagn. 1,566,534; Dec. 22.
Alloy of copper, Producing an. C. Kazemer. 1,566,406; Dec. 22.
Alloying rare metals and articles made therefrom. W. D. Gero. 1,566,793; Dec. 22.
Almond sheller. A. R. Stephen. 1,566,779; Dec. 22.
Aluminum chloride, Production of. L. Burgess. 1,566,269; Dec. 22.
Aluminum, Electrolytically producing. J. B. Railsback. 1,566,694; Dec. 22.
Amusement device. B. Horvath and J. P. Papp 1,566,479; Dec. 22.
Anchor. F. C. Fielding. 1,566,846; Dec. 22.
Annealing machine, Lamp-stem-. F. U. Ross. 1,566,563; Dec. 22.
Antiskid device. M. E. and F. O. Walty. 1,566,938; Dec. 22.
Antiskidding attachment. E. J. Prime. 1,566,559; Dec. 22.
Aromatic derivative of cyanuric chloride and producing same. H. Fritzsche and P. Schädell. 1,566,742; Dec. 22.
Automobile brake. A. Anderson. 1,566,569; Dec. 22.
Automobile bumper. W. J. Grotenhuis. 1,566,533; Dec. 22.
Automobile bumper. J. Sonnenfeld. 1,566,991; Dec. 22.
Automobile curtains, Door for. W. F. Godfrey. 1,566,397; Dec. 22.
Automobile doors, Connecting means for two-part. M. R. Hull. 1,566,480; Dec. 22.
Automobile hood cover. F. A. Mahan and C. H. McCarthy. 1,566,897; Dec. 22.
Automobile lift. J. T. Reneau. 1,566,427; Dec. 22.
Automobile locking device. M. Laska. 1,566,885; Dec. 22.
Automobile signal. H. C. Berents. 1,566,363; Dec. 22.
Automobile signal. V. Bouza. 1,566,365; Dec. 22.
Automobile signal. E. J. Hawkins. 1,566,598; Dec. 22.
Automobile signal. M. H. Senechal. 1,566,621; Dec. 22.
Automobiles, Combination safety device for. M. J. O'Brien. 1,566,501; Dec. 22.
Awning attachment. W. A. Tomlinson. 1,566,450; Dec. 22.
Awning, Store. L. Veglia and F. Di Giovanni. 1,566,356; Dec. 22.
Bag: *See*—
  Bath bag. Paper bag.
Bait, Artificial. A. A. Bayer. 1,566,812; Dec. 22.
Ball and making the same, Hollow. A. T. Saunders. 1,566,974; Dec. 22.
Bar: *See*—
  Universal protector bar.
Basket, Flower. J. V. Harper. 1,566,794; Dec. 22.
Basket, Hanging. A. O. Hurlbut. Des. 69,082; Dec. 22.
Bath bag, Rubber internal-. R. E. Sterritt. 1,567,009; Dec. 22.
Bath fixture. S. Gade. 1,566,273; Dec. 22.
Battery: *See*—
  Dry battery. Electrolytic-cell battery.
Battery grid, Storage-. H. W. Lormor. 1,566,280; Dec. 22.
Bearing. G. W. Roberts. 1,566,923; Dec. 22.
Bearing, Engine-shaft thrust. G. E. Pruitt. 1,566,969; Dec. 22.
Bearing for articulation of three connecting rods. J. E. Andreau. 1,566,720; Dec. 22.
Bearings, Device for preventing grease leakage in axle. J. E. Taylor. 1,566,633; Dec. 22.
Bed, Automobile. E. V. Loustalot. 1,566,612; Dec. 22.
Bed, Knockdown camp. P. W. Berg. 1,566,574; Dec. 22.
Bedsteads, Corner fastening for. D. Wasserman. 1,566,709; Dec. 22.



Beet lifter. G. L. Olsen. 1,566,767; Dec. 22.
Belt dressing. A. Gonderman. 1,566,592; Dec. 22.
Belt tightener. A. J. McKinley. 1,566,494; Dec. 22.
Bin: *See*—
  Vegetable bin.
Bit: *See*—
  Router bit.
Blast-furnace gas pipes, Safety device for. F. Wolff. 1,566,718; Dec. 22.
Block: *See*—
  Shipping block.
Blowing tank for pneumatic transport systems. L. H. Bergman. 1,566,517; Dec. 22.
Blue prints with dark lines and white fields, Making. R. C. Brown. 1,566,305; Dec. 22.
Board: *See*—
  Fiber board. Ironing board.
Boat, Collapsible. J. M. Calderón, jr. 1,566,648; Dec. 22.
Boiler: *See*—
  Steam boiler.
Boiler. E. A. Jones and H. L. Whitelaw. 1,566,537; Dec. 22.
Bolt: *See*—
  Door bolt.
Boot or shoe lace. W. R. Cleaver. 1,566,466; Dec. 22.
Bottle. F. W. Schwenck. Des. 69,097; Dec. 22.
Bottle-feeding mechanism. F. F. Wolf. 1,566,717; Dec. 22.
Bottle, Glass. J. A. Noe. Des. 69,091; Dec. 22.
Bottle, Nursing. M. H. Gustine. 1,566,400; Dec. 22.
Box: *See*—
  Cigarette box. Stuffing box.
  Proof box.
Box. E. E. Pinkerton. 1,566,505; Dec. 22.
Box. F. A. Rose. 1,566,972; Dec. 22.
Box with veneer exterior and method of producing the same, Molded. G. W. Bulley. 1,566,815; Dec. 22.
Bracket: *See*—
  Scaffold bracket.
Brake: *See*—
  Automobile brake. Hand brake.
  Carriage brake.
Brake. G. W. Lautrup. 1,566,485; Dec. 22.
Brake-pedal-holding device. E. J. Dreher. 1,566,527; Dec. 22.
Braking mechanism. V. Bendix and A. Y. Dodge. 1,566,954; Dec. 22.
Brazing apparatus, Electric. F. J. Horta. 1,566,674 Dec. 22.
Brickmaking machine. D. F. Shope. 1,566,435; Dec. 22.
Brush. N. C. Sorensen. 1,566,511; Dec. 22.
Brush, Floor. C. C. Gray. 1,566,322; Dec. 22.
Brush, Rotary. I. L. G. Cornell. 1,566,313; Dec. 22.
Brush, Shaving. P. Meyelin. 1,566,497; Dec. 22.
Brushes, rollers, and such like, Balanced friction driving mechanism for actuating rotary. J. Dutton. 1,566,659; Dec. 22.
Buckle. E. I. Rogers. 1,566,971; Dec. 22.
Building-block construction. J. P. Simmons and M. C. Pacheco. 1,566,988; Dec. 22.
Building construction. D. L. Theriault. 1,566,447; Dec. 22.
Bumper protector cushion. R. Denels. 1,566,839; Dec. 22.
Buoy, Salvage-indicating. H. Tomic. 1,566,934; Dec. 22.
Burner: *See*—
  Fuel burner. Refuse burner.
  Oil burner. Sulphur burner.
Bushing tool, Refacing. W. Jarvio. 1,566,326; Dec. 22.
Button, Separable cuff. L. Dahlgren. 1,566,524; Dec. 22.
Cabinet, Ice-cream-storage. F. M. Graham. 1,566,959; Dec. 22.
Cabinet or similar article, Dispensing. R. A. Norton. Des. 69,092; Dec. 22.
Calculating machine. C. Hamann. 1,566,962; Dec. 22.
Calculating machine. C. E. Smith. 1,566,286; Dec. 22.
Calculating machine, Automatic. C. Hamann. 1,566,961; Dec. 22.
Calculating machines, Clearing device for setting disks of. O. P. Schuman. 1,566,978; Dec. 22.
Calculating machines, Locking device for zero-setting mechanisms of. O. P. Schuman. 1,566,979; Dec. 22.
Calculators, Operating means for. G. C. Chase. 1,566,650; Dec. 22.
Camera. H. R. Duryea. 1,566,658; Dec. 22.
Can: *See*—
  Ice-cream can.



Can manufacture. R. L. Drake. 1,566,790; Dec. 22.
Candy-box holder. J. L. Coffey. 1,566,523; Dec. 22.
Candy, Filled. W. B. Laskey. 1,566,329; Dec. 22.
Candy-pulling machine. C. G. W. Nitz. 1,566,682; Dec. 22.
Cap and swab, Combined. F. J. Stodola, jr. 1,566,289; Dec. 22.
Car-door opening and closing device and fastener, Box-. R. W. Pace and J. E. Willett. 1,566,615; Dec. 22.
Car radiators, Shield for motor. M. D. Rathbun. 1,566,922; Dec. 22.
Car, Railway. H. W. Sanford. 1,566,432; Dec. 22.
Car, Self-propelled railway. M. P. Winther. 1,566,299; Dec. 22.
Cars and train lines, Coupling for. J. A. Broyles. 1,566,729; Dec. 22.
Carburetor. A. Dion. 1,566,382; Dec. 22.
Carriage brake, Baby-. M. Kahne. 1,566,675; Dec. 22.
Carriage curtain window frame. L. C. Nelson. 1,566,912; Dec. 22.
Carrier: *See*—
  Water carrier.
Cartridge fuse knife-blade type for renewable fuse elements. J. B. Glowacki. 1,566,852; Dec. 22.
Casehardening material. G. C. Nixon. 1,566,706; Dec. 22.
Casting machines, Trimming mechanism for curved-stereotype-plate-. T. R. G. Parker. 1,566,557; Dec. 22.
Cellulose esters or ethers in a solvent, Manufacture of. N. B. Grillet. 1,566,398; Dec. 22.
Cement composition, Flexible. O. Olesen. 1,566,917; Dec. 22.
Cement, Making waterproof Portland. C. N. Miller. 1,566,498; Dec. 22.
Cement, Rubber. B. P. Taylor. 1,566,566; Dec. 22.
Ceramic bonded granular material, Making articles of. M. F. Beecher and M. C. Booze. 1,567,020; Dec. 22.
Chain. L. Lomando. 1,566,410; Dec. 22.
Chain link and bit, Mining-machine. N. K. Bowman. 1,566,304; Dec. 22.
Chalk-line device. O. M. Bryan. 1,566,647; Dec. 22.
Chiropractic table. E. Overman and E. P. Blanchard. 1,566,503; Dec. 22.
Chuck. J. W. Briscoe. 1,566,370; Dec. 22.
Cigarette box. F. Stringer. 1,566,445; Dec. 22.
Cigarette-making machine. L. B. Baron. 1,566,809; Dec. 22.
Circuit-breaker system, Automatic reclosing. O. C. Traver. 1,567,015–17; Dec. 22.
Circuit-controlling device. J. H. McMeen. 1,566,549; Dec. 22.
Clamp: *See*—
  Rail clamp. Rim and tire clamp.
Clamping device. A. Currente. 1,566,377; Dec. 22.
Clamps, Gate and clamping device for wire-line. F. E. Crotto. 1,566,653; Dec. 22.
Cleaner: *See*—
  Shoe cleaner.
Clock case. P. H. English. Des. 69,069; Dec. 22.
Clock case. R. H. Whitehead. Des. 69,103; Dec. 22.
Clock mounting. F. Lux. 1,566,890; Dec. 22.
Clock movement, Case for a marine. R. H. Whitehead. Des. 69,104–5; Dec. 22.
Clothesline adjuster. W. A. Simmons. 1,566,702; Dec. 22.
Clothesline, Pinless. W. C. Holland. 1,566,404; Dec. 22.
Clutch-control mechanism. S. A. Sandberg. 1,566,508; Dec. 22.
Coal, Transport system for pulverized. F. Hoving. 1,566,536; Dec. 22.
Coat and hat rack. H. D. Gunther. 1,566,859; Dec. 22.
Coatings, Applying protective. C. E. Nelson. 1,566,911; Dec. 22.
Coil and method of construction, Loading. I. L. Milton. 1,566,802; Dec. 22.
Coin-handling machine. R. M. McGee. 1,566,335; Dec. 22.
Collar fastener. J. Becker. 1,566,952; Dec. 22.
Comb: *See*—
  Fountain comb.
Combination implement. L. M. Kerr. 1,566,881; Dec. 22.
Combination lock. F. Clark. 1,566,829; Dec. 22.
Combination lock. R. Larosa. 1,566,884; Dec. 22.
Compensator. V. J. Clark. 1,566,737; Dec. 22.
Compressor, Vertical. A. O. Carpenter. 1,566,308; Dec. 22.
Concrete blocks, Coring implement for. W. B. Durst. 1,566,903; Dec. 22.
Concrete chutes, Supporting mast for. J. P. Faber. 1,566,386; Dec. 22.
Concrete form. C. E. Cortes. 1,566,583; Dec. 22.
Concrete-incased pile. C. E. Cortes. 1,566,582; Dec. 22.
Concrete slabs, Apparatus for forming. R. Williams. 1,566,568; Dec. 22.
Condenser, Vernier. H. W. Meesel. 1,566,414; Dec. 22.
Connecting devices, Adapter for. G. C. Thomas, jr. 1,566,781; Dec. 22.
Container, Foldable. H. J. Higgins. 1,566,964; Dec. 22.
Container form, expansion joints, and installing same. A. C. Fischer. 1,566,319; Dec. 22.
Containers, Discharge spout for liquid. S. Frey. 1,566,851; Dec. 22.
Controlling apparatus. N. Frenne and Å. G. Saxburg. 1,566,850; Dec. 22.
Controlling system. C. W. Wyman. 1,566,459–60; Dec. 22.



Conveyer. R. E. Baker and L. S. Harber. 1,565,516; Dec 22
Conveyer bands, Making. J., T., and J. Brandwood. 1,566,369; Dec. 22.
Cooking utensil. W. C. Jackson. 1,566,874; Dec. 22.
Copper, Producing-electrolytic. F. L. Antisell. 1,566,265; Dec. 22.
Cork sheets, Method of and apparatus for making composition. C. E. McManus. 1,566,904; Dec. 22.
Cork slabs, Method of and apparatus for making composition. C. E. McManus. 1,566,896; Dec. 22.
Couch, Convertible touring. J. B. Kring and F. E. Peters. 1,566,967; Dec. 22.
Counter. E. C. Stosick. 1,566,628; Dec. 22.
Coupling for boiler connections. B. F. Gill and C. A Reed. 1,566,958; Dec. 22.
Coupling for flexible shafting. W. R. Fox. 1,566,849; Dec. 22.
Covered dish or similar article. E. Goodwin. Des. 69,075–6; Dec. 22.
Cream pitcher or similar article. E. Goodwin. Des. 69,074; Dec. 22.
Cuff, Adjustable. M. Tingle. 1,566,932; Dec. 22.
Cup or similar article. E. Goodwin. Des. 69,072; Dec. 22.
Curtain fixture. C. W. Kirsch. 1,566,882; Dec. 22.
Cushion-covers construction. S. Suekoff. 1,566,353–4; Dec. 22.
Cutter: *See*—
  Twine cutter.
Cutter. G. C. McClenny. 1,566,894; Dec. 22.
Delivery apparatus. J. Schumacher. 1,566,701; Dec. 22.
Dental delineator. N. S. Essig. 1,566,661; Dec. 22.
Dental plates, Making. E. L. Dillman. 1,566,840; Dec. 22.
Die holder. L. C. Hauer. 1,566,864; Dec. 22.
Dipper handles, Spacer for. H. J. Armstrong. 1,566,572; Dec. 22.
Direction signal. N. Maillette. 1,566,905; Dec. 22.
Dish. C. H. Moorhead. Des. 69,089; Dec. 22.
Dish or similar article. E. Goodwin. Des. 69,071; Dec. 22.
Dish or similar article, Glass. T. C. Heisey. Des. 69,081; Dec. 22.
Dishwashing device. H. C. Smith. 1,566,439; Dec. 22.
Dispensing device. P. G. Darling. 1,566,886; Dec. 22.
Dispensing device, Automatic. C. A. Goldsmith and J. F. Montague. 1,566,591; Dec. 22.
Dispensing service. A. I. Reid. 1,566,696; Dec. 22.
Display rack. G. A. Taylor. Re16,284; Dec. 22.
Display receptacle. J. M. Gregory. 1,566,857; Dec. 22.
Display stand, Jewelry-. J. Hammer. Des. 69,078; Dec. 22.
Doll. J. S. Millard. 1,566,801; Dec. 22.
Doll eye. L. J. Grubman. 1,566,670; Dec. 22.
Doll's eyes. L. H. Messinger, jr. 1,566,908; Dec. 22.
Door bolt. B. Ackerman. 1,566,805; Dec. 22.
Door catch. H. A. Swenson. 1,566,632; Dec. 22.
Door-closure mechanism. T. Brady. 1,566,366; Dec. 22.
Door-locking means, Dipper-. J. A. Simpson. 1,566,437; Dec. 22.
Door operating and holding mechanism, Side-. J. F. O'Connor. 1,566,689; Dec. 22.
Drawbar, Adjustable. C. G. Clement. 1,566,831; Dec. 22.
Drawer suspension. E. J. Card and J. E. Turner. 1,566,307; Dec. 22.
Drill: *See*—
  Rock drill.
Drill. A. E. Carlson. 1,566,578; Dec. 22.
Drill and screw driver, Hand. S. Olszowiec. 1,566,418; Dec. 22.
Drilling, Exploratory. J. S. Mitchell. 1,566,499; Dec. 22.
Drilling machine. A. J. Carter. 1,566,733; Dec. 22.
Drilling machine. G. H. Gilman. 1,566,395; Dec. 22.
Drilling machine. W. G. Hoelscher. 1,566,477; Dec. 22.
Drills and the like, Line spool for rotary. J. L. Bell. 1,566,641; Dec. 22.
Drinking fountain for birds or domestic animals. J. Appleton. 1,566,571; Dec. 22.
Drum hoist, Double-. F. M. Slater. 1,566,349; Dec. 22.
Dry battery. D. Rosen. 1,566,927; Dec. 22.
Dry-distillation apparatus. N. Statham. 1,566,778; Dec. 22.
Drying, baking, etc., Apparatus or system for. J. M. Harrison. 1,566,275; Dec. 22.
Dumping-body construction. A. Ketcham. 1,566,540; Dec. 22.
Duplicator, Self-inking. E. P. Guthrie. 1,566,865; Dec. 22.
Dust separator. W. T. Blaney. 1,566,518; Dec. 22.
Elbows from sheet metal, Making. F. H. Otis. 1,566,768; Dec. 22.
Electric cooking grill. M. Tocchio. 1,566,449; Dec. 22.
Electric heater. T. C. Russell. 1,566,507; Dec. 22.
Electric heater. M. Skolnik. 1,566,989; Dec. 22.
Electric heater, Foot-rest. L. Simmons. 1,566,986; Dec. 22.
Electric interlocking system. P. E. Carter and R. Connell. 1,566,901; Dec. 22.
Electric machine, Dynamo-. A. F. Welch. 1,566,939; Dec. 22.
Electric motor for warning signals. F. G. Whittington. 1,566,941; Dec. 22.

Electric plug. R. B. Benjamin. 1,566,362; Dec. 22.
Electric power system. P. Trombetta. 1,566,936; Dec. 22.
Electric switch. D. N. Thompson. 1,566,292; Dec. 22.
Electric switch. H. Trencham and H. C. Heath. 1,566,935; Dec. 22.
Electric warmer for the feet. L. Simmons. 1,566,987; Dec. 22.
Eelectrical fitting. H. I. Scharr. 1,566,975; Dec. 22.
Electrical furnace. A. Grauel. 1,566,855; Dec. 22.
Electrical switch-operating mechanism. E. H. Grim. 1,566,474; Dec. 22.
Electrolytic cell. A. E. Knowles. 1,566,543; Dec. 22.
Electrolytic-cell battery. W. E. Mortrude, jr. 1,566,804; Dec. 22.
Electron-discharge apparatus. H. P. Pilon. 1,567,012; Dec. 22.
Electroplating method and electroplated articles. R. J. Shoemaker. 1,566,984; Dec. 22.
Elevating mechanism, Skip.- R. A. Beckwith. 1,566,301; Dec. 22.
Elevator. L. Chasan. 1,566,374; Dec. 22.
Elevator. C. G. Lassen. 1,566,408; Dec. 22.
Elevator. G. S. Williamson. 1,566,713; Dec. 22.
Elevator system, Electric. G. B. Grosvenor. 1,566,399; Dec. 22.
Elevator system, Electric. R. A. Waite. 1,566,453; Dec. 22.
Elevators, Control system for. E. L. Dunn. 1,566,385; Dec. 22.
Elevators, Guide for. D. L. Lindquist. 1,566,490; Dec. 22.
Elevators, Safety mechanism for. D. L. Lindquist. 1,566,491; Dec. 22.
Elevators, Speed-control system for push-button electric. J. D. Lewis and G. W. Lautrup. 1,566,488; Dec. 22.
Engine: *See*—
Gas engine. Internal-combustion engine.
Engine-chasing machine. L. J. Most. 1,566,910; Dec. 22.
Engines, Air moistener for internal-combustion. J. M. Lilly. 1,566,332; Dec. 22.
Engines, Timer for internal-combustion. J. B. Drabonovsky. 1,566,526; Dec. 22.
Engines, Valve-gear for steam. R. C. Stevens. 1,566,627; Dec. 22.
Envelope fastener. F. W. Curnan. 1,566,955; Dec. 22.
Escalators, Safety device for. A. E. Handy and S. G. Margles. 1,566,475; Dec. 22.
Evaporator. M. J. Kermer. 1,566,539; Dec. 22.
Evenness tester. H. S. Wyckoff. 1,566,949; Dec. 22.
Explosive. N. A. Unger. 1,566,784; Dec. 22.
Eye-protecting screen for personal wear. J. Keyms. 1,566,481; Dec. 22.
Eyes, Adjustable mounting for artificial. A. Konoff. 1,566,966; Dec. 22.
Fabric and making the same. F. L. Brigham. 1,566,727–8; Dec. 22.
Fabric impervious to petroleum hydrocarbon vapors. R. E. Wilson and E. P. Brown. 1,566,943; Dec. 22.
Fastener. J. S. Barnett. 1,566,723; Dec. 22.
Fastener slider, Separable. G. Sundback. 1,566,996; Dec. 22.
Feeding agitator. C. R. Herman. 1,566,746; Dec. 22.
Fiber board. A. L. Clapp. 1,566,309–10; Dec. 22.
Firearm, Bolt-action. T. C. Johnson. 1,566,877; Dec. 22.
Fireplace front. S. D. Robinson. Des. 69,093; Dec. 22.
Fireplace heater, Heating unit for a. S. D. Robinson. Des. 69,094; Dec. 22.
Fish net. J. J. Ward. 1,566,637; Dec. 22.
Fishing reel. M. B. Graham. 1,566,594; Dec. 22.
Fixture strap. M. Tax. 1,566,998; Dec. 22.
Flatiron, Automatic electric. M. S. Runsvold. 1,566,618; Dec. 22.
Flower holder. P. E. Shee. 1,566,982; Dec. 22.
Fluid compressor. W. S. Williams. 1,566,458; Dec. 22.
Fluid regulator. W. L. Higgins. 1,566,599; Dec. 22.
Flytrap. H. G. A. Schlossareck. 1,566,619; Dec. 22.
Fount cut. A. J. Throm. 1,567,002; Dec. 22.
Fountain comb. G. C. Lillie. 1,566,886; Dec. 22.
Frame: *See*—
Carriage-curtain window frame. Grate frame.
Locomotive frame.
Framing device. S. Bardy. 1,566,360; Dec. 22.
Friction shock-absorbing mechanism. J. F. O'Connor. 1,566,683–5; Dec. 22.
Friction shock-absorbing mechanism. J. F. O'Connor. 1,566,687; Dec. 22.
Fruit-cleaning machine. C. H. Lister. 1,566,611; Dec. 22.
Fruit-pitting apparatus. J. P. Bem. 1,566,463; Dec. 22.
Fuel burner, Liquid-. H. C. Little. 1,566,489; Dec. 22.
Furnace: *See*—
Electrical furnace.
Furnace front which is convertible for firing with coal or oil or both, Forced-draft-. H. A. Thompson. 1,567,001; Dec. 22.
Furnace work, Impregnated electrode for. H. A. Lavene. 1,566,409; Dec. 22.
Furniture, Combined or convertible. C. Freakes. 1,566,664; Dec. 22.
Galvanizing and the like, Apparatus for use in hot. W. G. Imhoff. 1,566,749; Dec. 22.
Game. W. E. Diegel. 1,566,317; Dec. 22.
Game. G. E. Schenk. 1,566,776; Dec. 22.
Game, Cross-word-puzzle. C. H. Butler. 1,566,730; Dec. 22.
Gas engine. R. E. Du Be. 1,566,843; Dec. 22.
Gas liquor, Treatment of. L. W. Heffner and W. Tiddy. 1,566,795; Dec. 22.
Gas-pressure control. R. W. King. 1,566,279; Dec. 22.
Gasoline systems, Purifier for. O. H. Justus. 1,566,328; Dec. 22.
Gate: *See*—
Hog gate.
Gauge: *See*—
Tank gauge.
Gauge rod. N. H. Salsich. 1,566,346; Dec. 22.
Gear and pulley puller. F. J. Heinrich. 1,566,673; Dec. 22.
Gears, Forming teeth on. H. N. Anderson. 1,566,951; Dec. 22.
Generator: *See*—
Turbine generator.
Glass articles, Method and apparatus for re-forming. H. A. Bridges and J. W. Lamparter. 1,566,520; Dec. 22.
Globe, Light. E. J. Cook. Des. 69,067; Dec. 22.
Golf apparatus. E. E. Winkley. 1,566,945; Dec. 22.
Golf-stroke-recording apparatus. G. E. Schenk. 1,566,775; Dec. 22.
Grading machine. C. H. Heather. 1,566,277; Dec. 22.
Grain-roasting drum. W. J. Russell. 1,566,430; Dec. 22.
Grapples, Hand. F. Riewe. 1,566,562; Dec. 22.
Grate frame, Sectional. F. P. Hoober. 1,566,869; Dec. 22.
Greeting card. E. D. Chase. 1,566,734; Dec. 22.
Grinding blocks. A. E. Gray. 1,566,744; Dec. 22.
Grinding-machine-spindle bearing. S. H. Amsden. 1,567,018; Dec. 22.
Guard rail. H. Stephens. 1,566,443–4; Dec. 22.
Gutter hanger. M. Rachlin. 1,566,284; Dec. 22.
Hair, Curling. R. Carles. 1,566,522; Dec. 22.
Hair-cutter device. J. Holtzman. 1,566,797; Dec. 22.
Hair-trimming guide. J. Parziale. 1,567,011; Dec. 22.
Hame. J. M. Walsh. 1,566,636; Dec. 22.
Hammer guide and adjustment, Drop-. E. B. Huber. 1,566,603; Dec. 22.
Hand bag. H. B. Rowan. 1,566,773; Dec. 22.
Hand brake. J. F. O'Connor. 1,566,686; Dec. 22.
Handle: *See*—
Mattress handle.
Hanger: *See*—
Gutter hanger. Sleeper hanger.
Harvester, Beet. S. Tatar. 1,566,780; Dec. 22.
Hat. R. Finkelstein. 1,566,663; Dec. 22.
Hat holder. R. Pie. 1,566,920; Dec. 22.
Hat retainer. C. D. Lyon. 1,566,891; Dec. 22.
Hats and the like, and product of the same, Waterproofing straw. C. J. Kuntz and J. Simons. 1,566,798; Dec. 22.
Headlights, Reflector for. C. and A. Matisse. 1,566,906; Dec. 22.
Heat interchanger. G. Egloff. 1,566,528; Dec. 22.
Heater: *See*—
Electric heater.
Heaters, Regulator for electric. J. A. Seede. 1,566,980; Dec. 22.
Heating apparatus. W. L. Bliss. 1,566,814; Dec. 22.
Heating system. P. B. Parks and J. Van Vulpen. 1,566,918; Dec. 22.
Heating system. A. F. Roth. 1,566,772; Dec. 22.
Heating system, Thermostatically-controlled. E. H. Gold and E. A. Russell. 1,566,854; Dec. 22.
Heating systems, Thermostat for car-. E. H. Gold and P. B. Parks. 1,566,853; Dec. 22.
Heel, Readjustable cushion shoe. A. Smith. 1,566,350; Dec. 22.
Hexamethylenetetramine and ammonium chloride, Production of. C. B. Carter. 1,566,822; Dec. 22.
Hexamethylenetetramine from mixtures containing ammonium chloride, Recovery of. C. B. Carter. 1,566,821; Dec. 22.
Hexamethylenetetramine, Production and purification of. C. B. Carter. 1,566,820; Dec. 22.
High-tension switch. J. N. Mahoney. 1,566,756; Dec. 22.
Hoe, Scuffle. A. Hinkelmann. 1,566,868; Dec. 22.
Hog gate. J. A. Manson and J. W. Macklem. 1,566,552; Dec. 22.
Hog oiler. T. E. Peck and F. W. Harrison. 1,566,558; Dec. 22.
Hoist for rotary drill pipes, Automatic. H. L. Latimer. 1,566,678; Dec. 22.
Hood catch. S. De Orlo. 1,566,468; Dec. 22.
Hosiery, Automatic drier for. H. H. Wigglesworth. 1,566,890; Dec. 22.
Hydrocarbons, Apparatus for treating. F. G. Niece. 1,566,341; Dec. 22.
Hydrocarbons, Apparatus for treating. F. G. Niece. 1,566,416; Dec. 22.
Ice-cream can. J. E. Birney. 1,566,303; Dec. 22.
Ice-delivering device. F. E. Wegener. 1,566,514; Dec. 22.
Ignition system. G. Luckeman. 1,566,888; Dec. 22.
Illuminating device for simulating daylight. A. R. St. Clair. 1,566,703; Dec. 22.
Incinerators, Combustion chamber for. H. E. Burns. 1,566,577; Dec. 22.





Incubator. J. F. MacKay and R. E. Fader. 1,567,006; Dec. 22.
Inductance device. F. E. Field. 1,566,792; Dec. 22.
Inductance device. W. J. Shackelton. 1,566,777; Dec. 22.
Induction meter. Z. Ciffrinowitsch. 1,566,902; Dec. 22.
Insect exterminator. R. Rokohl. 1,566,925; Dec. 22.
Insect exterminator. S. A. Wilson and E. H. Marsh. 1,566,714; Dec. 22.
Internal-combustion engine. C. A. Bjornsson. 1,566,642; Dec. 22.
Internal-combustion engine. R. K. Lee. 1,566,486; Dec. 22.
Ironing board. M. E. Santo. 1,566,774; Dec. 22.
Irons, Container for electric. M. W. McArdle. 1,566,892; Dec. 22.
Irons, Stand and container for electric. M. W. McArdle. 1,566,893; Dec. 22.
Jewelry component. F. A. Fairbrother. 1,566,845; Dec. 22.
Joint: *See*—
Universal joint.
Keys in keyholes, Attachment for maintaining. P. Aberdeen. 1,566,806; Dec. 22.
Kiln and method of drying ware, Continuous drying. T. Larsson. 1,567,023; Dec. 22.
Kit, Repair. R. W. Fox. 1,566,320; Dec. 22.
Lace. C. F. Ikle. Des. 69,085; Dec. 22.
Ladder. N. Pelligreen. 1,566,282; Dec. 22.
Lamp. W. W. Moru. Des. 69,090; Dec. 22.
Lamp, Incandescent. G. R. Fonda. 1,566,848; Dec. 22.
Lamp, Incandescent. F. J. Lauterbach. 1,566,484; Dec. 22.
Lamp, Natural-shell perfume. H. E. Palmer. 1,566,502; Dec. 22.
Lamp or similar article, Upright member for a. L. H. Burlin. Des. 69,065; Dec. 22.
Lamp, Street. L. A. Vietor. Des. 69,100; Dec. 22.
Lamp, Table. M. Klein. Des. 69,087; Dec. 22.
Lamp, Tail. C. E. Godley. 1,566,589; Dec. 22.
Lamps or similar article, Bracket for bridge. L. H. Burlin. Des. 69,066; Dec. 22.
Lantern globe. C. E. Whalin. 1,566,457; Dec. 22.
Last support. J. H. Pope. 1,566,283; Dec. 22.
Latch and retainer, Door. W. B. Flatley. 1,566,470; Dec. 22.
Latch, Door. P. Frants. 1,566,321; Dec. 22.
Latch, Door. G. M. Taggart, jr. 1,566,997; Dec. 22.
Lathing. K. M. Johansson. 1,566,606; Dec. 22.
Leaf springs, Lubrication retainer for. W. Metzger. 1,566,759; Dec. 22.
Levels, Electric-light attachment for. J. C. Kirby. 1,566,541; Dec. 22.
Lifter: *See*—
Beet lifter.
Lighting fixtures, Banding for. E. A. Walker. Des. 69,101; Dec. 22.
Lighting fixtures, Ceiling plate for. J. Kuleriem. Des. 69,088; Dec. 22.
Lighting fixtures, Plate for. L. F. Buechele. Des. 69,064; Dec. 22.
Lighting fixtures, Wall plate for. E. Brandt and H. J. Barton. Des. 69,063; Dec. 22.
Liquid container and top therefor. C. S. Baron. 1,566,573; Dec. 22.
Liquid-vending machine, Coin-controlled. M. T. Tanner. 1,566,446; Dec. 22.
Lock: *See*—
Combination lock. Trailer lock.
Mortise knob lock. Two-way lock.
Rail-joint nut lock. Vault lock.
Shuttle lock.
Lock. L. D. Gibson. 1,566,473; Dec. 22.
Lock. F. A. Turnbull. 1,566,937; Dec. 22.
Lock nut. F. Clark. 1,566,830; Dec. 22.
Locomotive bed. H. M. Pflager. 1,566,428; Dec. 22.
Locomotive frame. H. R. Bartell. 1,566,461; Dec. 22.
Locomotive-frame front end. W. M. Sheehan. 1,566,510; Dec. 22.
Loom let-offs, Rewinding device for. W. H. Wakefield. 1,566,708; Dec. 22.
Looms, Friction let-off for. H. H. Watson. 1,566,710; Dec. 22.
Looms, Jacquard mechanism for. E. J. Dacey. 1,566,738; Dec. 22.
Looms, Weft-carrier support for weft-replenishing. A. J. Chevrette. 1,566,736; Dec. 22.
Loud speaker. M. C. Rypinski. 1,566,928; Dec. 22.
Macaroni, Producing twisted. G. Tanzi. 1,566,705; Dec. 22.
Magneto-electric machine. O. Pletscher. 1,566,693; Dec. 22.
Manicure and pedicure implement. A. B. W. Wendt. 1,566,712; Dec. 22.
Mattress. H. G. Brandwein. 1,566,787; Dec. 22.
Mattress handle. J. R. Mertes. 1,566,907; Dec. 22.
Medicinal preparation. V. Cesa. 1,566,271; Dec. 22.
Metal dust, Apparatus for manufacturing. M. H. Newell. 1,566,918; Dec. 22.
Meter: *See*—
Inductation meter.
Metering system. V. Karapetoff. 1,566,879; Dec. 22.
Methylals, Producing. C. B. Carter. 1,566,819; Dec. 22.
Micrometer, Ocular. G. A. H. Kellner. 1,566,278; Dec. 22.
Mill: *See*—
Pulverising mill.
Mine-anchor device. S. C. Cross. 1,566,834; Dec. 22.
Mold composition. A. Pacz. 1,566,420; Dec. 22.
Molten toffee or other like substances to a uniform thickness, Apparatus for spreading. W. Hounsell and T. C. Fillery. 1,566,602; Dec. 22.
Mop head. C. E. Krebs. 1,566,544; Dec. 22.
Mop, Hose. T. Frank. 1,566,389; Dec. 22.
Mortar projector. C. C. Hansen. 1,566,325; Dec. 22.
Mortise knob lock, Cylindrical-shell. F. E. Best. 1,566,575; Dec. 22.
Motor: *See*—
Water motor.
Mowing machine. A. Rutishauser. 1,567,013; Dec. 22.
Musical-instruction device. I. Barnes. 1,567,019; Dec. 22.
Musical instruments, Expression-controlling mechanism for. T. Danquard. 1,566,654; Dec. 22.
Musical instruments, Key-shaft bearings for. E. J. Gulick. 1,567,003; Dec. 22.
Musical instruments, Knob-gauging machine for. E. J. Gulick. 1,567,005; Dec. 22.
Musical instruments, Milling machine for cross-knobs for. E. J. Gulick. 1,567,004; Dec. 22.
Musical instruments, Tailpiece for stringed. A. D. Grover. 1,566,745; Dec. 22.
Necklace and game apparatus, Combined. P. Detlefsen and G. G. Izard. 1,567,021; Dec. 22.
Necktie stretcher. F. P. Marson. 1,566,336; Dec. 22.
Nozzle for gasoline pumps, Hose. G. J. Harman. 1,566,597; Dec. 22.
Nut-tapping machine. J. V. Osterhout. 1,566,343; Dec. 22.
Offal in slaughterhouses to grease and tankage, Apparatus for reducing the. H. P. Taylor. 1,567,014; Dec. 22.
Oil burner. H. B. Odell. 1,566,417; Dec. 22.
Oil burner, Fuel. W. S. Hofstra. 1,566,478; Dec. 22.
Oil governor. R. G. Standerwick. 1,566,995; Dec. 22.
Oil-pan construction. A. Smith. 1,566,438; Dec. 22.
Oil still. J. Primrose. 1,566,921; Dec. 22.
Oiling device. B. L. Toquet. 1,566,783; Dec. 22.
Oils, Distilling petroleum. E. M. Clark. 1,566,828; Dec. 22.
Ophthalmic mounting. E. J. R. Beattey. 1,566,361; Dec. 22.
Ophthalmic mounting. F. A. Stevens. Re16,232–3; Dec. 22.
Optical diagnostic instrument. H. Clement. 1,566,652; Dec. 22.
Ores and concentrates, Treating sulphide. M. De Keyser. 1,566,379; Dec. 22.
Ores, Method and apparatus for treating. C. A. McCourt. 1,566,755; Dec. 22.
Ornamental device. H. Rosen. 1,566,973; Dec. 22.
Oven, Portable baking and cooking. C. E. Adamson. 1,566,900; Dec. 22.
Oven signal. R. S. Johnson. 1,566,751; Dec. 22.
Packing, Piston. T. E. Braley. 1,566,367; Dec. 22.
Packing, Pump. H. M. Sunnes. 1,566,355; Dec. 22.
Pad holder. C. T. Raschick. 1,566,695; Dec. 22.
Paddle-making machine. J. R. Kelbrick. 1,566,407; Dec. 22.
Padlock. H. H. Hanton. Des. 69,079; Dec. 22.
Padlock, Keyless. A. Wilson. 1,566,298; Dec. 22.
Paint. H. J. Duffey. 1,566,957; Dec. 22.
Paint-drying machine. H. K. Koppin. 1,566,482; Dec. 22.
Panel and making the same. M. M. Harrison. 1,566,863; Dec. 22.
Paper-advertising device, Wall-. B. A. Cook. 1,566,832; Dec. 22.
Paper bag. Z. Littman. 1,566,887; Dec. 22.
Paper-box necks, Machine for making. C. H. Ohlsson. 1,566,915; Dec. 22.
Paper, Dispensing package for. R. E. Smith. 1,566,990; Dec. 22.
Paper holder. F. A. Deslibes. 1,566,525; Dec. 22.
Paper machines, Doctor for. J. White. 1,566,358; Dec. 22.
Paper, Making decorated crêpe. J. L. Perkins. 1,566,690; Dec. 22.
Pedal protector. W. C. Daumueller. 1,566,815; Dec. 22.
Pencil, Propeller. G. R. Hudson. 1,566,871; Dec. 22.
Percolator, Sirup. J. C. Hardesty. 1,566,596; Dec. 22.
Phenol-methylal resin, Production of. C. B. Carter and A. E. Coxe. 1,566,817; Dec. 22.
Phenols from ammoniacal liquor, Recovery of. L. W. Heffner and W. Tiddy. 1,566,796; Dec. 22.
Phenolic condensation product, Producing a. C. B. Carter. 1,566,823; Dec. 22.
Phonograph cabinet. T. A. Edison. Des. 69,068; Dec. 22.
Phonograph, Time-announcing. F. Isman. 1,566,873; Dec. 22.
Photographic shutter. R. Klein. 1,566,542; Dec. 22.
Pile driving and pulling mechanism. T. E. Sturtevant. 1,566,631; Dec. 22.
Pipe: *See*—
Tobacco pipe.
Pipe coupler. J. Becker. 1,566,953; Dec. 22.
Pipe, Forming double-cut. E. M. Smith. 1,566,624; Dec. 22.

Pipe threading and cutting-off machine. C. F. Schmelz. 1,566,700; Dec. 22.
Piston. A. Tickle. 1,566,931; Dec. 22.
Piston ring. C. H. Gersting. 1,566,531–2; Dec. 22.
Planters, Checkrow-wire release for corn. W. H. Grover. 1,566,960; Dec. 22.
Plasterer's float. J. W. Auld. 1,566,515; Dec. 22.
Plastering staple. C. Holloway, jr. 1,566,747; Dec. 22.
Plate or similar article. E. Goodwin. Des. 69,070; Dec. 22.
Plowshare pulverizer, Rotary. H. A. Fretts. 1,566,471; Dec. 22.
Pole, Curtain. H. L. Hees. 1,566,402; Dec. 22.
Polish. B. Buhr. 1,566,576; Dec. 22.
Porcelain articles, Making. E. L. Dilliman. 1,566,841; Dec. 22.
Press: *See*—
Tile press.
Presses, creasers, and the like, Sheet-handling mechanism for. E. Frey. 1,566,391; Dec. 22.
Pressing machine. A. J. Socia. 1,566,351; Dec. 22.
Pressure-operating switch. A. S. Bertanzetti and S. De Pranpero. 1,566,302; Dec. 22.
Printing apparatus, Raised-. J. A. Blake. 1,566,643; Dec. 22.
Printing, Device for offset prevention and surface finishing in. C. J. MacArthur. 1,566,800; Dec. 22.
Printing machines, Sheet-delivery mechanism of. J. W. Jakeman. 1,566,604; Dec. 22.
Printing plate, Stereotype. M. W. Brueshaber. 1,566,268; Dec. 22.
Processing equipment, Automatic control apparatus for. L. B. Swift. 1,566,290; Dec. 22.
Projection apparatus. M. A. Blankenship. 1,566,519; Dec. 22.
Proof box, Bakery. W. L. Fleisher. 1,566,388; Dec. 22.
Puller: *See*—
Gear and pulley puller.
Pulp, etc., Screen for wood. S. Thüne. 1,566,929; Dec. 22.
Pulp in rotating digesters, Method and apparatus for digesting. E. Morterud. 1,566,339; Dec. 22.
Pulpy material, particularly peat, Desiccating and compressing. K. Maus. 1,566,496; Dec. 22.
Pulverizing mill. C. M. Lauritzen and W. H. Vogel. 1,566,546; Dec. 22.
Pump. W. M. Myers. 1,566,340; Dec. 22.
Pump for motor-vehicle tires, Automatic air. F. F. Fuller. 1,566,667; Dec. 22.
Pump, Rotary. A. W. Whitcomb. 1,566,296; Dec. 22.
Pump system, Vacuum. E. C. Richard. 1,566,428; Dec. 22.
Pump, Variable-stroke fluid. E. Blauhorn and O. Hajek. 1,566,813; Dec. 22.
Pumps, Operating head for. J. T. Phipps. 1,566,692; Dec. 22.
Punch-centering machine. A. Schwans. 1,566,509; Dec. 22.
Purse, Swimming. J. Hetzer and E. Kohlhof. 1,566,867; Dec. 22.
Puzzle. G. E. A. Fairley. 1,566,529; Dec. 22.
Rack: *See*—
Coat and hat rack.
Radiant. G. A. Hoffman. 1,566,601; Dec. 22.
Radiator. G. P. Schmitt. 1,566,977; Dec. 22.
Radiator cap, Motor-vehicle. W. K. Andersen. Des. 69,061; Dec. 22.
Radiocabinet. L. Firmbach, sr. 1,566,847; Dec. 22.
Radiocabinet or similar article. S. A. Jacobs. Des. 69,086; Dec. 22.
Rail. W. A. Willis. 1,566,942; Dec. 22.
Rail anchor. H. G. Warr. 1,566,357; Dec. 22.
Rail clamp. C. E. Kielley. 1,566,752; Dec. 22.
Rail-joint nut lock. J. B. Beaudry. 1,566,640; Dec. 22.
Rail support. L. M. Adams. 1,566,639; Dec. 22.
Railway brake-beam mechanism. S. A. Crone. 1,566,789; Dec. 22.
Railway signal systems, Pipe carrier for. J. C. Edwards and W. F. Bossert. 1,566,660; Dec. 22.
Railway system, Electric. R. H. McLain. 1,566,895; Dec. 22.
Railway tie. J. E. McWilliam. 1,566,550; Dec. 22.
Railway track, Roadway-crossing intersecting. W. A. Siegner and W. D. Graham. 1,566,436; Dec. 22.
Railway traction system. M. McGinness. 1,566,492; Dec. 22.
Railway-traffic-controlling apparatus. L. V. Lewis. 1,566,331; Dec. 22.
Railway-traffic-controlling apparatus. R. A. McCann. 1,566,334; Dec. 22.
Railway-traffic-controlling apparatus. H. A. Wallace. 1,566,294; Dec. 22.
Railways, Electric signaling system for. J. J. Miller. 1,566,555; Dec. 22.
Razor, Safety. A. Maraviglia. 1,566,757; Dec. 22.
Receptacle closure. A. S. Witwer. 1,566,946; Dec. 22.
Recoil check. S. Furmidge. 1,566,393; Dec. 22
Reel: *See*—
Fishing reel.
Reflector. C. E. Godley. 1,566,590; Dec. 22.
Refrigerating apparatus. H. A. Parkyn. 1,566,919; Dec. 22.
Refuse burner. A. E. Kruse. 1,566,608; Dec. 22.
Refrigeration and apparatus therefor. J. B. Thompson and S. B. Hibbard. 1,566,448; Dec. 22.
Regulator: *See*—
Fluid regulator.
Rim and tire clamp. O. Glass. 1,566,668; Dec. 22.
Rim, Detachable. K. Hallström. 1,566,401; Dec. 22.
Rim remover. M. H. Newspickle. 1,566,556; Dec. 22.
Ring: *See*—
Piston ring. Swimming ring.
Rubber friction drive ring.
Rock drill. T. E. Sturtevant. 1,566,630; Dec. 22.
Rocker mechanism. L. Contalen. 1,566,375; Dec. 22.
Rod: *See*—
Gauge rod.
Roll. S. H. Perky. 1,566,771; Dec. 22.
Roller skates, Roller for. H. G. Larsen. 1,566,609; Dec. 22.
Roof flashing. W. Jacobson. 1,566,750; Dec. 22.
Roost, Chicken. F. W. Ridgley. 1,566,970; Dec. 22.
Router bit. R. L. Carter. 1,566,373; Dec. 22.
Rubber articles, Apparatus for producing. A. H. Frost and C. F. Fenlason, jr. 1,566,666; Dec. 22.
Rubber articles, Producing. A. H. Frost and C. F. Fenlason, jr. 1,566,665; Dec. 22.
Rubber friction drive ring. G. M. Stevens. 1,566,704; Dec. 22.
Rubber nipples from metal forms, Machine for stripping. P. A. Ruiche. 1,567,007; Dec. 22.
Rubber tube and making the same, Laminated cohesive interwound. L. A. Subers. 1,566,512; Dec. 22.
Sadiron-cord holder. R. L. David. 1,566,655; Dec. 22.
Sadiron holder. H. Toepfer. 1,566,933; Dec. 22.
Sand-blast carving, Apparatus for. I. B. Wellington. 1,566,711; Dec. 22.
Saw. J. E. Kelley. 1,566,880; Dec. 22.
Sawing machine automobile. J. T. De Marois. 1,566,838; Dec. 22.
Scaffold bracket. C. W. Ballman. 1,566,722; Dec. 22.
Scale. L. Spiro and E. T. White. 1,566,994; Dec. 22.
Scale beam, Weighting-. M. J. Weber. Des. 69,102; Dec. 22.
Scooters and coasters, Brake for. C. Letin. 1,566,487; Dec. 22.
Scraping and surfacing machines, Depth regulator for. C. A. Spears. 1,566,625; Dec. 22.
Scrubbing device. T. A. Brownrig. 1,566,371; Dec. 22.
Sealing containers, Machine for. A. Daniels. 1,566,314; Dec. 22.
Searchlight, Automobile. J. W. Graham. 1,566,593; Dec. 22.
Seeds, Machine for sowing. R. Poleschensky. 1,566,424; Dec. 22.
Seesaw. A. Natale. 1,566,765; Dec. 22.
Self-induction coils, Equalizing pairs of. E. Schürer. 1,566,565; Dec. 22.
Sending arrangement. A. Meissner. 1,566,680; Dec. 22.
Separator: *See*—
Dust separator.
Separator. W. N. Packer. 1,566,770; Dec. 22.
Separators, Treating. R. N. Chamberlain. 1,566,826; Dec. 22.
Sewing and embroidering machines having universal feed motion, Foot governing device for. M. Epstein. 1,566,318; Dec. 22.
Sewing cabinet. F. G. Lyles. 1,566,754; Dec. 22.
Sewing machines, Fan attachment for. G. Costa. 1,566,272; Dec. 22.
Sewing machines, Trimmer for. A. M. Bates and A. Krasa. 1,566,810–11; Dec. 22.
Shade. G. Johnson. 1,566,327; Dec. 22.
Shade bracket and curtain attachment. M. M. Larsen. 1,566,676; Dec. 22.
Shaper. R. L. Carter. 1,566,824; Dec. 22.
Sharpener, Lawn-mower. R. H. Madsen. 1,566,614; Dec. 22.
Shears. G. O. Carlson. 1,566,649; Dec. 22.
Shed, Freight. W. C. Brinton. 1,566,521; Dec. 22.
Sheet-material-display device. E. T. Gray. 1,566,323; Dec. 22.
Sheets, Treating. S. E. Diescher. 1,566,656; Dec. 22.
Shelf and support therefor. T. A. Ma Ghrand. 1,566,551; Dec. 22.
Sheller: *See*—
Almond sheller.
Shield, Protective. L. Alexander and W. H. H. Hastings. 1,566,300; Dec. 22.
Shingle, Roofing. R. Miller. 1,566,415; Dec. 22.
Shipping block. A. E. Woodworth. 1,566,947; Dec. 22.
Shock absorber. R. De S. Santos. 1,566,381; Dec. 22.
Shock-absorbing mechanism. J. F. O'Connor. 1,566,688; Dec. 22.
Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,566,276; Dec. 22.
Shock diffuser. F. F. Landis. 1,566,968; Dec. 22.
Shoe and making the same. W. R. Ekins. 1,566,791; Dec. 22.
Shoe cleaner. B. L. Rucker. 1,566,564; Dec. 22.
Shoe construction. R. S. Blair. 1,566,364; Dec. 22.
Shoe, Spring. T. W. Thackery. 1,566,513; Dec. 22.
Shovel and dredge, Power. G. R. Dempster. 1,566,585; Dec. 22.
Shower bath, Disappearing. R. D. Fifield. 1,566,387; Dec. 22.
Shuttle lock. J. C. Ayotte. 1,566,721; Dec. 22.





Side registering device. C. F. Frauenberger. 1,566,390; Dec. 22.
Sign. A. E. Davis. 1,566,316; Dec. 22.
Sign letters and making same. V. N. Klitholm. 1,566,883; Dec. 22.
Signal: *See*—
Automobile signal. Oven signal.
Direction signal. Vehicle signal.
Silk and the like from cellulose derivatives, Manufacture of artificial. H. Dreyfus. 1,566,384; Dec. 22.
Siphon. F. H. Kraetch. 1,566,753; Dec. 22.
Siphon. T. Okihara. 1,566,916; Dec. 22.
Siren and attaching means therefor. L. H. Miles. 1,566,762–3; Dec. 22.
Siren and attaching means therefor. L. H. Miles and J. W. Bayless. 1,566,761; Dec. 22.
Skate. C. A. Thomas. 1,566,706; Dec. 22.
Slaking lime into lime putty. D. A. Evans. 1,566,587; Dec. 22.
Sled. A. W. Jacobson and W. G. Shastal. 1,566,875; Dec. 22.
Sled, Log-hauling. B. Leblanc. 1,566,610; Dec. 22.
Sleeper hanger. G. M. Tamblyn. 1,566,291; Dec. 22.
Smoker's stand. A. C. Scharff. Des. 69,096; Dec. 22.
Smoker's stand. J. L. Smith. Des. 69,098; Dec. 22.
Snow remover. C. W. Caterson. 1,566,464; Dec. 22.
Socket or speed wrench. C. B. Michel. 1,566,760; Dec. 22.
Sole for shoes. F. W. Bommer. Des. 69,062; Dec. 22.
Sound radiator. W. H. Martin. 1,566,337; Dec. 22.
Sound waves, Investigating mechanical impulses such as. W. Hahnemann. 1,566,672; Dec. 22.
Sound waves, Recording. J. Massolle, J. Engl, and R. Vogt. 1,566,418; Dec. 22.
Spark-extinguishing apparatus. V. Dallemagne. 1,566,584; Dec. 22.
Spark plugs, Terminal connecter for. A. Champion. 1,566,465; Dec. 22.
Spool. R. K. Clark. 1,566,788; Dec. 22.
Spool holder. T. Yushka. 1,566,950; Dec. 22.
Spoon or similar article. P. J. Gordon. Des. 69,077; Dec. 22.
Spotlight, Automobile. J. A. Thomas. 1,566,999; Dec. 22.
Spotlight, Motor-operated. G. G. Rosino. 1,566,429; Dec. 22.
Spring suspension device. A. J. Stretch. 1,566,629; Dec. 22.
Springs, Cover for leaf. D. H. Thurber. 1,566,930; Dec. 22.
Springs, Self-retaining antifriction insert for leaf. J. C. White. 1,566,940; Dec. 22.
Springs, Tool for assembling. C. W. Crannell. 1,566,833; Dec. 22.
Stairway, Loft. L. G. Selberlich. 1,566,981; Dec. 22.
Stamping and sealing machine, Automatic. M. Vidaver. 1,566,635; Dec. 22.
Static-phase-shifting apparatus. S. M. Lucas. 1,566,333; Dec. 22.
Steam boiler. C. S. and C. H. Davy. 1,566,837; Dec. 22.
Steam boiler, Vertical. H. E. Wallis. 1,566,567; Dec. 22.
Stoker. A. D. Baker. 1,566,808; Dec. 22.
Stoker, Mechanical. E. A. Weck. 1,566,456; Dec. 22.
Stool, Camp. W. Witkowski. 1,566,359; Dec. 22.
Storage and display receptacle. J. M. Gregory. 1,566,856; Dec. 22.
Stove and range, Cooking. H. A. Thompson. 1,567,000; Dec. 22.
Stove, Camp. J. R. Pearsall. 1,566,504; Dec. 22.
Stove, Combination cooking and heating. F. M. Moore. 1,566,909; Dec. 22.
Stove, Heating. L. Dana. 1,566,835; Dec. 22.
Strap: *See*—
Fixture strap.
Strips of material, Implement for uniting. A. Lauer. 1,566,330; Dec. 22.
Stud-bolt tool. W. Perry. 1,566,691; Dec. 22.
Stuffing box. G. S. Bashline. 1,566,462; Dec. 22.
Stuffing box. F. W. Carlson. 1,566,816; Dec. 22.
Sucker-rod guide. J. C. Dodson. 1,566,586; Dec. 22.
Sugar bowl or similar article. E. Goodwin. Des. 69,073; Dec. 22.
Sulphur burner. H. Howard. 1,566,538; Dec. 22.
Support. E. H. Carruthers. 1,566,732; Dec. 22.
Sweater. N. I. Dryfoos. 1,566,842; Dec. 22.
Swimming ring. E. A. Guinzburg. 1,566,858; Dec. 22.
Swing. H. H. Speck. 1,567,010; Dec. 22.
Swingspout container. O. N. Wiswell. 1,566,716; Dec. 22.
Switch: *See*—
Electric switch. Pressure-operated switch.
High-tension switch.
Switch. C. E. Godley. 1,566,588; Dec. 22.
Switch operator. G. F. Rauch. 1,566,561; Dec. 22.
Syringes, Shield for glass hypodermic. L. Eisele. 1,566,844; Dec. 22.
Table: *See*—
Chiropractic table.
Table. A. Reese. 1,566,426; Dec. 22.
Tank: *See*—
Toilet tank.
Tank gauge. R. A. Wyatt. 1,566,948; Dec. 22.
Tank signal device, Liquid. A. F. Mayhew. 1,566,338; Dec. 22.
Tanks, Preventing evaporation from storage. G. Cash. 1,566,825; Dec. 22.
Tanks, Preventing loss by evaporation from storage. R. E. Wilson. 1,566,944; Dec. 22.
Tape-applying apparatus. P. R. Glass. 1,566,274; Dec. 22.
Telegraph system, Printing-. E. F. Watson. 1,566,295; Dec. 22.
Telegraph transmitter. B. P. Hayes. 1,566,476; Dec. 22.
Telephone. N. W. McLachlan. 1,566,679; Dec. 22.
Telephone repeater circuits. A. B. Clark and R. S. Hoyt. 1,566,311; Dec. 22.
Telephone system. W. G. Shull. 1,566,622; Dec. 22.
Temperature-indicating device. A. B. Shaw. 1,566,347; Dec. 22.
Textile fabric, Embroidered. C. F. Iklé. Des. 69,083–4; Dec. 22.
Textile material, Drying. W. G. R. Braemer and J. Roberts. 1,566,644; Dec. 22.
Thermionic device. H. J. van der Bijl. 1,566,293; Dec. 22.
Thermometer, Refrigerator. C. C. Spreen. 1,567,008; Dec. 22.
Thermos bottles and the like, Holder for. L. Saiger and M. Russell. 1,566,698; Dec. 22.
Thermostatic control. E. A. Scholtz. 1,566,699; Dec. 22.
Thread guide. C. J. Bacon. 1,566,807; Dec. 22.
Thread holder and pincushion. M. M. Larsen. 1,566,677; Dec. 22.
Throttle governor. A. L. Couty. 1,566,376; Dec. 22.
Tie: *See*—
Railway tie.
Tile or similar article. J. Scaparrott. Des. 69,095; Dec. 22.
Tile press. M. V. Wash. 1,566,638; Dec. 22.
Tin from ores, Recovering. J. R. Stack. 1,566,352; Dec. 22.
Tipple. A. G. Reese and P. H. Douglas. 1,566,506; Dec. 22.
Tire. C. S. Barrell. 1,566,266; Dec. 22.
Tire armor, Antislipping. N. A. Schwinden. 1,566,433; Dec. 22.
Tire-carrying rim, Wheel with demountable-. J. H. Wagenhorst. 1,566,452; Dec. 22.
Tire-chain side link. C. S. Coordes. 1,566,581; Dec. 22.
Tire-lock cable. C. L. Johnson. 1,566,965; Dec. 22.
Tire molds, Induction heater for and method of heating. E. F. Northun. 1,566,500; Dec. 22.
Tire, Vehicle. R. C. Hargreaves. Des. 69,080; Dec. 22.
Tobacco pipe. C. A. Alden. 1,566,786; Dec. 22.
Tobacco pipe. W. W. Henson. 1,566,866; Dec. 22.
Toilet tank. J. C. Owens. 1,566,769; Dec. 22.
Tongs, Clothes. E. K. Glider. 1,566,894; Dec. 22.
Tool holder. O. J. Maisch. 1,566,553; Dec. 22.
Tool, Tube expanding and compressing. A. B. Breeze. 1,566,645; Dec. 22.
Toothbrush holder. J. P. Hainsigianis. 1,566,860; Dec. 22.
Toothbrush holder. E. F. Lundgren. 1,566,889; Dec. 22.
Torches and the like, Protecting hood for gasoline. B. Martin. 1,566,758; Dec. 22.
Towel-dispensing cabinet. G. M. Hubinger. 1,566,870; Dec. 22.
Toy. H. Claus. 1,566,579; Dec. 22.
Toy. L. L. Mallard. 1,566,495; Dec. 22.
Toy, Detonating. E. G. Patterson. 1,566,421; Dec. 22.
Toy, Figure. F. C. Bates. 1,566,724; Dec. 22.
Toy, Mechanical. F. L. Lopez. 1,566,411; Dec. 22.
Toy, Sounding. E. G. Patterson. 1,566,422; Dec. 22.
Toy vehicle, All-metal knockdown. H. D. Forse. 1,566,741; Dec. 22.
Track-laying machine. L. D. App. 1,566,570; Dec. 22.
Tractor hitch. C. T. Forrest. 1,566,740; Dec. 22.
Tractors, Cutter attachment for. J. Spence. 1,566,992; Dec. 22.
Tractors, Pulley attachment for. R. W. Robertson. 1,566,924; Dec. 22.
Traffic-signal casing. O. Terhell. Des. 69,099; Dec. 22.
Trailer drawhead. F. M. Reid. 1,566,616; Dec. 22.
Trailer lock. F. M. Reid. 1,566,617; Dec. 22.
Train control. W. H. Reichard. 1,566,898; Dec. 22.
Tray, Change. C. D. Radliff. 1,566,560; Dec. 22.
Trays, Making ornamental serving. R. Livinger. 1,566,412; Dec. 22.
Treating disease, Apparatus for. H. P. Trambley. 1,566,634; Dec. 22.
Treating material, Device for. P. A. Singer. 1,566,623; Dec. 22.
Truck. B. A. Spinney. 1,566,993; Dec. 22.
Trucks and trailers, Adjustable support for. R. H. Morris. 1,566,803; Dec. 22.
Trunk circuits. G. H. Peterson. 1,566,345; Dec. 22.
Trunk, Wardrobe. A. L. Duff and J. W. Matheson. 1,566,956; Dec. 22.
Tubular structure, Wooden. J. Green. 1,567,022; Dec. 22.
Turbine, Elastic-fluid. R. F. Halliwell. 1,566,861; Dec. 22.
Turbine generator, Water-. S. Ishizaka. 1,566,872; Dec. 22.
Twine cutter. E. R. Jones. 1,566,878; Dec. 22.

Two-way communicating system. J. F. Farrington. 1,566,469; Dec. 22.
Two-way lock. C. A. Fairand. 1,566,662; Dec. 22.
Type repeaters, Increasing power capacity of 22-. H. Nyquist. 1,566,342; Dec. 22.
Typewriter. M. Garbell. 1,566,530; Dec. 22.
Typewriting machine. G. W. Campbell. 1,566,270; Dec. 22.
Typewriting machine. G. W. Campbell. 1,566,372; Dec. 22.
Typewriting machine. J. A. B. Smith. 1,566,287; Dec. 22.
Typewriting machine. J. A. B. Smith. 1,566,440; Dec.. 22.
Typewriting machine. J. Waldheim. 1,566,455; Dec. 22.
Typographical casting machine. S. Smith. 1,566,288; Dec. 22.
Typographical distributing machine. L. E. Morrison. 1,566,281; Dec. 22.
Undergarment for women's wear, Combination. M. C. Bee. 1,566,267; Dec. 22.
Undereamer-dressing block. G. E. Kraeer. 1,566,483; Dec. 22.
Universal joint. H. W. Waits. 1,566,454; Dec. 22.
Universal protector bar. C. E. Chilson. 1,566,827; Dec. 22.
Utensils. Removable handle for. E. M. and J. W. Wright. 1,566,719; Dec. 22.
Vacuum container. J. E. Sheriff. 1,566,983; Dec. 22.
Valve. C. H. McDonald. 1,566,613; Dec. 22.
Valve, Automatic. J. H. Hoult. 1,566,748; Dec. 22.
Valve for controlling heated gases to intake-manifold jackets. J. L. Burns. 1,566,306; Dec. 22.
Valve for radiators, Air. W. J. Cook. 1,566,580; Dec. 22.
Valve mechanism. H. F. Fuller and A. L. Betts. 1,566,472; Dec. 22.
Valve mechanism for air-brake systems. J. H. Hanlon. 1,566,324; Dec. 22.
Valve protector. L. F. Hoffman. 1,566,403; Dec. 22.
Valve structure. W. Jamison. 1,566,605; Dec. 22.
Vaporizer, Centrifugal. J. R. Halterman. 1,566,862; Dec. 22.
Vault lock, Permutation. J. Winkler. 1,566,715; Dec. 22.
Vegetable bin. A. B. Larson. 1,566,545; Dec. 22.
Vehicle, Gravity mobile. R. K. Dennison. 1,566,380; Dec. 22.
Vehicle, Motor. D. H. Bradley. 1,566,726; Dec. 22.
Vehicle, Motor. E. J. Malone, jr. 1,566,554; Dec. 22.
Vehicle, Self-propelled. L. R. Ruthenburg. 1,566,285; Dec. 22.
Vehicle signal. G. Tilger. 1,566,782; Dec. 22.
Vehicle, Treadle-operated. A. M. Greene. 1,566,669; Dec. 22.
Vehicles, Brake mechanism for motor. E. W. Seaholm. 1,566,434; Dec. 22.
Vehicles, Fender for road. E. P. Galassi. 1,566,743; Dec. 22.
Vehicles, Protective device for. W. J. Moore. 1,566,681; Dec. 22.
Vending machine. A. H. Steele. 1,566,626; Dec. 22.
Vending machine, Sandwich-. A. J. Fulwood. 1,566,392; Dec. 22.
Ventilation system. R. B. Brandl. 1,566,368; Dec. 22.
Vessels or the like, Grain loader for. A. McKay. 1,566,493; Dec. 22.
Vibrator. A. F. Luzzi. 1,566,547; Dec. 22.
Violin bow. O. A. Newman. 1,566,914; Dec. 22.
Vulcanizing flat substance. J. H. van der Meulen. 1,566,785; Dec. 22.
Washboard. W. T. Hodgen. 1,566,535; Dec. 22.
Washing machine. C. T. Coates. 1,566,312; Dec. 22.
Washing machine. E. L. Gustafson. 1,566,671; Dec. 22.
Watchcase construction. D. Schmidt. 1,566,976; Dec. 22.
Water carrier. J. A. Rose. 1,566,926; Dec. 22.
Water-closet-flushing mechanism. A. R. Gilmore. 1,566,396; Dec. 22.
Water-heating apparatus, Feed-. J. A. Le Cain. 1,566,799; Dec. 22.
Water motor. C. A. Blume. 1,566,725; Dec. 22.
Weather strip. H. Christensen. 1,566,651; Dec. 22.
Web guide. R. J. Smothers. 1,566,441; Dec. 22.
Weft-detecting mechanism. E. H. Ryon. 1,566,697; Dec. 22.
Weft detector, Yarn-impinging, lay-actuated, box-controlled. W. H. Wakefield. 1,566,707; Dec. 22.
Weighing mechanism. S. W. Shuford. 1,566,848; Dec. 22.
Well drilling outfits, Oil and gas saving and life-saving collar for oil and gas. D. M. O'Neill and S. McKown. 1,566,419; Dec. 22.
Well tubing, Sucker-rod antifriction means for. F. B. Vaughn. 1,566,451; Dec. 22.
Wheel clutch, Free-. J. F. Defordt. 1,566,378; Dec. 22.
Wheel for motor vehicles, Metallic. H. Perrot and G. Calvignac. 1,566,344; Dec. 22.
Wheel-lock device. H. T. Jones. 1,566,405; Dec. 22.
Wheel track. H. T. Johnson. 1,566,876; Dec. 22.
Wheel without spokes. S. F. De Castro é Iznaga. 1,566,467; Dec. 22.
Wheels, Traction-increasing attachment for motor-vehicle. A. H. Grosz. 1,566,595; Dec. 22.
Window hangings, Support for. G. W. Dover. 1,566,382; Dec. 22.
Window sashes, Device for operating. J. J. Hill. 1,566,600; Dec. 22.
Windshields, Shade for automobile. W. Brewster and S. J. Baum. 1,566,646; Dec. 22.
Wire stripping and scraping device, Insulated. R. A. Williams. 1,566,297; Dec. 22.
Wireless transmitter. W. T. Ditcham. 1,566,657; Dec. 22.
Wood, Treating. J. Shuler, 1,566,985; Dec. 22.
Wrench; *See*— Socket or speed wrench.
Wrench. T. Murphy. 1,566,764; Dec. 22.
X-ray apparatus. C. N. Moore. 1,567,024; Dec. 22.
Yeast, Production of. S. Sak. 1,566,431; Dec. 22.


# CLASSIFICATION OF PATENTS

## ISSUED DECEMBER 22, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

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230— 6: 1,566,442
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235— 59: 1,566,286
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237— 6: 1,566,814
238— 8: 1,566,436
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238— 50: 1,566,346
84: 1,566,550
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240— 1: 1,566,703
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8.3: 1,566,589
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61: 1,566,593
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138: 1,566,327
242— 84.5: 1,566,594
124: 1,566,788
137: 1,566,677
139: 1,566,950
157: 1,566,641
246— 26: 1,566,294
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86: 1,566,555
135: 1,566,901
232: 1,566,474
247— 14: 1,566,975
25: 1,566,781
248— 20: 1,566,732
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262— 33: 1,566,304
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265— 9: 1,566,348
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33.14: 1,566,740
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286— 7: 1,566,633
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287— 58: 1,566,849
290— 4: 1,566,936
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194: 1,566,366
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338: 1,566,805
293— 52: 1,566,681
55: 1,566,533
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294— 99: 1,566,562
296— 45: 1,566,480
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299— 30: 1,566,714
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302— 53: 1,566,517
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303— 86: 1,566,324
304— 35: 1,566,722
305— 5: 1,566,467
6: 1,566,876
308— 4: 1,566,451
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7: 1,566,660
62: 1,566,375
63: 1,566,923
70: 1,567,018
167: 1,566,969
187: 1,566,924

# ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Alamo Packing Co., Heber and Los Angeles, Calif. Fresh vegetables. 207,326; Dec. 29; Serial No. 212,224; published Oct. 20, 1925.

Alexander Bros. Company, Savannah, Ga. Overalls. 207,302; Dec. 29; Serial No. 218,837; published Oct. 13,1925.

Allen A Company, The. (See Cooper M'f'g. Co., The, assignor.)

American Chicle Company, Long Island City, N. Y. Chewing gum. 207,372; Dec. 29; Serial No. 213,881; published Oct. 27, 1925.

American Chicle Company, Long Island City, N. Y. Chewing gum. 207,397; Dec. 29; Serial No. 220,058; published Oct. 27, 1925.

Artic Fruit Ale Company, Detroit Mich. Beverages. 207,382–5; Dec. 29; Serial Nos. 217,849–52; published Oct. 20, 1925.

Arnold, M. N., Co., North Abington, and Boston; M. N. Arnold Shoe Company, North Abington, Mass., successor. Leather boots and shoes. 49,530; renewed Feb. 6, 1926.

Arrow Grip Manufacturing Co. Inc., Glens Falls, N. Y. Nonskid chains and nonskid units. 207,315; Dec. 29; Serial No. 218,096; published Oct. 13, 1925.

Atlantic Mills, The, Olneyville, R. I. All-worsted dress fabrics. 207,411; Dec. 29; Serial No. 218,443; published Oct. 20, 1925.

Baker Castor Oil Company, The, New York, N. Y.; the Baker Castor Oil Company, Jersey City, N. J. and New York, N. Y. Castor oil. 51,918; renewed Apr. 24, 1926.

Beacon Manufacturing Company, New Bedford, Mass. Cotton blankets. 207,312; Dec. 29; Serial No. 218,239; published Oct. 13, 1925.

Belknap Hardware & Manufacturing Company, Louisville, Ky. Linoleum. 207,285; Dec. 29; Serial No. 214,842; published Oct. 13, 1925.

Berry & Son, Chicago, Ill. Mayonnaise, Thousand Island, and French dressings, and sandwich spread. 207,278; Dec. 29; Serial No. 212,589; published Oct. 13, 1925.

Best Universal Lock Co., Seattle, Wash. Locks, keys, and parts of locks. 207,287–8; Dec. 29; Serial Nos. 212,318–19; published Oct. 13, 1925.

Bigelow-Hartford Carpet Company. (See Hartford Carpet Corporation, assignor.)

Billboard Match Company, East Jaffrey, N. H. Matches. 207,303; Dec. 29; Serial No. 218,895; published Oct. 13, 1925.

Binney & Smith Company, New York, N. Y. Black pigments for paints and varnishes. 207,293; Dec. 29; Serial No. 197,183; published Sept. 15, 1925.

Blair Canning Co., Blair, Wis. Canned peas, kraut, and beans. 207,375; Dec. 29; Serial No. 215,678; published Oct. 27, 1925.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 207,363; Dec. 29; Serial No. 219,523; published Oct. 13, 1925.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 207,387; Dec. 29; Serial No. 219,524; published Oct. 20, 1925.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 207,388–9; Dec. 29; Serial Nos. 219,574–5; published Oct. 20, 1925.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 207,398; Dec. 29; Serial No. 220,107; published Oct. 20, 1925.

Booth, F. E., Co., San Francisco, Calif. Canned fruits. 207,379; Dec. 29; Serial No. 216,870; published Oct. 27, 1925.

Brecht Candy Company, The, Denver, Colo. Candy. 207,334; Dec. 29; Serial No. 217,251; published Oct. 20, 1925.

Brown, F. C., & Company, Chicago, Ill. Coffee and tea. 207,409; Dec. 29; Serial No. 218,595; published Oct. 27, 1925.

Brown, W. H., Son & Co. (See Ryan, Matthew W.)

Bunte Brothers, Chicago, Ill. Candy. 207,335; Dec. 29; Serial No. 217,757; published Oct. 6, 1925.

Burger, Iwan, Inc., New York, N. Y. Canned sardines and cheese. 207,290; Dec. 29; Serial No. 209,526; published Oct. 13, 1925.

Carpenter, J. M., Tap & Die Co., The, Pawtucket, R. I. Certain named tools. 50,950; renewed Apr. 3, 1926.

Carrom-Archerena Co., The Carrom Company, Ludington, Mich., successor. Game boards. 49,996; renewed Feb. 27, 1926.

Carson Pirie Scott & Co., Chicago, Ill. Men's suits. 207,298; Dec. 29; Serial No. 218,602; published Oct. 13, 1925.

Central Lemon Association, Villa Park, Calif. Oranges, lemons, and grapefruit. 207,333; Dec. 29; Serial No. 216,879; published Oct. 20, 1925.

Chemical Foundation, Incorporated, The. (See Chemische Fabrik auf Actien (vorm. E. Schering), assignor.)

Chemische Fabric auf Actien (vorm. E. Schering), Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Chemical and pharmaceutical products consisting of ammonia preparations. 27,257; renewed Nov. 19, 1925.

Chero-Cola Company, doing business as Chero-Cola Bottlers' Laboratories, Columbus, Ga. Beverages and sirups and concentrates for making same. 207,317; Dec. 29; Serial No. 205,512; published Jan. 13, 1925.

Chicago Varnish Company, Chicago, assignor to The Morgan Company, Peoria, Ill. Paints and enamels. 47,557; renewed Nov. 14, 1925.

Clark, D. L., Co., The, Pittsburgh, Pa. Candy. 207,376; Dec. 29; Serial No. 215,735; published Oct. 27, 1925.

Clinton Iron and Steel Company, Pittsburgh, Pa. Pig iron. 51,516; renewed Apr. 17, 1926.

Coe, W. H., Mfg. Co., Providence, R. I. Package rolls of gold, silver, aluminum, composition, or other metal leaf. 52,117; renewed May 1, 1926.

Cohn-Hall-Marx Co., New York, N. Y. Cotton fabrics, mixtures of cotton and silk, mixtures of cotton and wool, etc. 207,419; Dec. 29; Serial No. 218,000; published Oct. 20, 1925.

Collin County Mill & Elevator Co., McKinney, Tex. Wheat flour. 52,194; renewed May 1, 1926.

Cooper M'f'g. Co., The, Bennington, Vt., assignor to The Allen A Company, Kenosha, Wis. Undershirts, drawers, and combination suits. 47,536; renewed Nov. 7, 1925.

Cover, Harvey S., South Bend, Ind. Respirators. 50,461; renewed Mar. 20, 1926.

Crawford, McGregor & Canby Company, The, Dayton, Ohio. Golf clubs. 207,428; Dec. 29.

Cream of Chocolate Company of America, Waltham, Mass. Chocolate preparation. 207,305; Dec. 29; Serial No. 219,061; published Oct. 27, 1925.

Crescent Manufacturing Co., Seattle, Wash. Flavoring extracts. 48,499; renewed Jan. 2, 1926.

Crescent Manufacturing Co., Seattle, Wash. Coffee. 49,088; renewed Jan. 23, 1926.

Crucible Steel Company of America. (See Park Steel Company, assignor.)

Crume, Jonathan R., J. Robert Crume, Bardstown, Ky. Remedy for chicken cholera, roup, and limberneck. 48,917; renewed Jan. 16, 1926.

David, B. Edmund, Inc., New York, N. Y. Silk fabrics in the piece. 207,353; Dec. 29; Serial No. 219,169; published Oct. 13, 1925.

Davis, H. B., Company, The, Baltimore, Md. Paint. 207,364; Dec. 29; Serial No. 219,616; published Nov. 3, 1925.

Deimel Linen-Mesh System Company, The, San Francisco, Calif, and New York, N. Y., The Deimel Linen-Mesh System Company, San Francisco, Calif. Undershirts and drawers and union suits. 51,784; renewed Apr. 24, 1926.

Delaney, Peter, doing business as Delaney & Young, Eureka, Calif. Candy. 207,413; Dec. 29; Serial No. 218,167; published Oct. 20, 1925.

Delano, Potter & Co., Inc., Boston, Mass. Tea and coffee. 207,339; Dec. 29; Serial No. 219,531; published Oct. 20, 1925.

Detmer, Bruner & Mason, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 207,416; Dec. 29; Serial No. 219,284; published Oct. 20, 1925.

Diamond Bottling Corporation, Waterbury, Conn. Beverages. 207,403–4; Dec. 29; Serial Nos. 218,954–5; published Oct. 20, 1925.

Dominion Ginger Ale Corp., New York, N. Y. Ginger-ale beverage and sirup for making the same. 207,414; Dec. 29; Serial No. 219,385; published Oct. 27, 1925.

Dorman, Carrie V., Washington, D. C. Liquid antiseptic and disinfectant. 52,415; renewed May 8, 1926.

Dougal Bros., London, England. Matches. 207,350; Dec. 29; Serial No. 218,745; published Oct. 13, 1925.

Duffy-Mott Company. (See Holthusen, Adolf R., assignor.)

Eagle & Phenix Mills, Columbus, Ga. Tickings. 51,021; renewed Apr. 3, 1926.

Eagle & Phenix Mills, Columbus, Ga. Cotton plaids and stripes. 51,023; renewed Apr. 3, 1926.

Eagle & Phenix Mills, Columbus, Ga. Tickings. 51,128; renewed Apr. 3, 1926.

Eagle & Phenix Mills, Columbus, Ga. Cotton piece goods. 51,129; renewed Apr. 3, 1926.

Eagle & Phenix Mills, Columbus, Ga. Cotton piece goods. 51,168; renewed Apr. 3, 1926.

Edson, Moore & Co., assignor to Edson, Moore & Co., Detroit, Mich. Cotton dometts and cotton and wool Shaker flannels. 46,101; renewed Sept. 5, 1925.

Eisenlohr, Otto, & Bros., assignor to Otto Eisenlohr & Bros. Incorporated, Philadelphia, Pa. Cigars and cheroots. 50,874; renewed Apr. 3, 1926.

Electric Lustre Starch Company, Boston, Mass. Laundry starch. 52,198; renewed May 1, 1926.
Enterprise Oil Company. (See Hower, Frank B., assignor.)
Escondido Fruit Growers Association, Escondido, Calif. Oranges, lemons, and grapefruit. 207,279; Dec. 29; Serial No. 213,776; published Oct. 27, 1925.
Exton, A., & Co., Trenton, N. J. Biscuits and crackers. 48,851; renewed Jan. 16, 1926.
Ferris, F. A., & Company, New York, N. Y. Smoked meats such as hams. 207,365; Dec. 29; Serial No. 164,755; published Oct. 27, 1925.
Fibrok Products Limited, London, England. Fibrous material impregnated with rubber latex. 207,291; Dec. 29; Serial No. 206,001; published Mar. 31, 1925.
Fidelity Hop & Malt Company, Chicago, Ill. Malt sirup for beverage purposes. 207,360; Dec. 29; Serial No. 211,581; published Oct. 27, 1925.
Fidelity Hop & Malt Company, Chicago, Ill. Malt sirup for beverages. 207,370; Dec. 29; Serial No. 211,583; published Oct. 27, 1925.
Field and Flint Co. (See Packard & Field, assignors.)
Flood, Leon B., doing business as P. D. Q. Soap Products Company, Minneapolis, Minn. Canned hand soap paste. 207,327; Dec. 29; Serial 213,628; published Sept. 1, 1925.
Florida Bottler's Co., Jacksonville, Fla. Beverages, extracts, concentrates, and sirups for making the same. 207,386; Dec. 29; Serial No. 219,480; published Oct. 27, 1925.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 207,355–60; Dec. 29; Serial No. 219,237–42; published Oct. 13, 1925.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 207,381; Dec. 29; Serial No. 219,735; published Oct. 20, 1925.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 207,390–2; Dec. 29; Serial Nos. 219,581–3; published Oct. 20, 1925.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 207,393; Dec. 29; Serial No. 219,621; published Oct. 20, 1925.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 207,394; Dec. 29; Serial No. 219,736; published Oct. 20, 1925.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 207,399–400; Dec. 29; Serial Nos. 220,278–9; published Oct. 20, 1925.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 207,401; Dec. 29; Serial No. 220,299; published Oct. 20, 1925.
Gabler, Emil E., New York; Emil E. Gabler, Upper Saranac, N. Y. Pianos. 49,652; renewed Feb. 13, 1926.
Gale, Benjamin T. (See Goldman, Benjamin T.)
Gentile, Jos., Company, The, Los Angeles, Calif. Oranges, lemons, cantaloupes, pears, etc. 207,280; Dec. 29; Serial No. 193,586; published Sept. 1, 1925.
Gilbert & Co., Inc., New York, N. Y. Porcelain and china goods. 207,309; Dec. 29; Serial No. 219,623; published Oct. 13, 1925.
Glass, Henry, & Co., New York, N. Y. Cotton piece goods, combination silk and cotton piece goods, and combination of artificial-silk and cotton piece goods. 207,310; Dec. 29; Serial No. 218,005; published Oct. 13, 1925.
Glemby's, S., Sons Co., Inc., New York, N. Y. Hairpins, safety pins, and toilet pins. 207,426; Dec. 29.
Golding Fabrics Corporation, New York, N. Y. Piece goods made of silk. 207,352; Dec. 29; Serial No. 219,121; published Oct. 13, 1925.
Goldman, Benjamin T.; B. T. Gale, St. Paul, Minn., successor. Hair restorers. 50,573; renewed Mar. 20, 1926.
Goyer Company, The, Greenville, Miss. Coffee. 207,366; Dec. 29; Serial No. 204,096; published Oct. 27, 1926.
Greenebaum Brothers, assignor to Greenebaum Bros. & Co., Philadelphia, Pa. Boys' blouses and waists. 48,279; renewed Dec. 19, 1925.
Greenfield's, E., Sons, New York and Brooklyn, N. Y. Candies and chocolates. 207,330; Dec. 29; Serial No. 214,547; published Oct. 20, 1925.
Gulden, Charles, assignor to Mawer-Gulden-Annis, Inc., New York, N. Y. Olives. 48,262; renewed Dec. 19, 1925.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of cotton, silk, and wool. 207,311; Dec. 29; Serial No. 218,551; published Oct. 13, 1925.
Hancock, Priscilla, Chilmark, Mass. Candies. 207,434; Dec. 29.
Harris, C. & T., (Calne) Limited, Calne, Wiltshire, England. Bacon. 207,421; Dec. 29; Serial No. 219,279; published Oct. 27, 1925.
Hartford Carpet Corporation, The, Thompsonville, Conn., assignor to Bigelow-Hartford Carpet Company, Clinton, Mass.; Thompsonville, Conn.; and New York, N. Y. Carpets. 48,292; renewed Dec. 19, 1925.
Heat Sealing Kant-Burn Company, Chicago, Ill. Refractory cement. 207,423; Dec. 29.
Henneberry & Company, Arkansas City, Kans. Hams, bacon, shoulders, and sausage. 207,415; Dec. 29; Serial No. 219,123; published Oct. 27, 1925.
Himrod Manufacturing Company, New York, N. Y., assignor to Himrod Manufacturing Company, New York N. Y., and Jersey City, N. J. Preparation for asthma, catarrh, etc. 47,801; renewed Nov. 21, 1925.
Hoch-Unix Malt Co. (See Mazer, Michael.)
Hohner, Firm of M., assignor to M. Hohner, Inc., New York, N. Y. Mouth harmonica. 51,890; renewed Apr. 24, 1926.
Holthusen, Adolf R., assignor to Duffy-Mott Company, Inc., New York, N. Y. Ginger ale. 51,818; renewed Apr. 24, 1926.
Hooker, Clayton W., Los Angeles, Calif. Fresh fruits, vegetables, melons, etc. 207,328; Dec. 29; Serial No. 212,924; published Oct. 20, 1925.
Howells Mining Drill Co., Plymouth, Pa. Drills and drilling machines. 52,361; renewed May 8, 1926.
Hower, Frank B., assignor to Enterprise Oil Company, Inc., Buffalo, N. Y. Lubricating oils and greases. 50,466; renewed Mar. 20, 1926.
Hull Coal and Coke Corporation, Roanoke, Va., assignor to Red Jacket Consolidated Coal and Coke Company, Inc., Columbus, Ohio. Coal and coke. 52,072; renewed May 1, 1926.
Hunter, H. Blount, doing business as The Regent Chocolate Company, Norfolk, Va. Chocolate sirups for food purposes. 207,296; Dec. 29; Serial No. 217,400; published Oct. 13 1925.
Independence Coffee & Spice Co., Denver, Colo. Coffee. 207,408; Dec. 29; Serial No. 218,644; published Oct. 27, 1925.
Indian Head Mills of Alabama, Cordova, Ala. Cotton piece goods. 49,236; renewed Jan. 30, 1926.
Johnson, H. A., & Co., assignor to H. A. Johnson Company, Boston, Mass. Pie fillings. 47,273; renewed Oct. 31, 1925.
Johnson, Jas. G., & Co. Inc., New York, N. Y. Silk piece goods. 207,354; Dec. 29; Serial No. 219,188; published Oct. 13, 1925.
K. B. Malt Co., Bay City, Mich. Malt sirup for food purposes. 207,300; Dec. 29; Serial No. 218,760; published Oct. 13, 1925.
K. B. Malt Co., Bay City, Mich. Malt sirup for food purposes. 207,301; Dec. 29; Serial No. 218,762; published Oct. 13, 1925.
Keystone Varnish Company, Brooklyn, N. Y. Enamel paint. 207,346; Dec. 29; Serial No. 215,373; published Oct. 13, 1925.
Kimball, W. W., Company, Chicago, Ill. Pianos. 51,812; renewed Apr. 24, 1926.
Kimberly-Clark Company, Neenah, Wis. Absorbent dental rolls and pads. 207,306; Dec. 29; Serial No. 219,285; published Oct. 13, 1925.
Klein, Melville J., doing business as Klein Tamales Company, Memphis, Tenn. Canned tamales. 207,407; Dec. 29; Serial No. 218,764; published Oct. 27, 1925.
Kriete, John E., assignor to Old Dominion Canning Company, Incorporated, Roanoke, Va. Canned fruits and vegetables. 51,080; renewed Apr. 3, 1926.
Kullman, Salz & Company, San Francisco, Calif. Oak-tanned cowhide, harness-leather skirting, and cut stock. 51,900; renewed Apr. 24, 1926.
Lake Chelan Fruit Growers, Chelan, Wash. Fresh apples. 207,338; Dec. 29; Serial No. 219,672; published Oct. 20, 1925.
Lambertville Rubber Company, Lambertville, N. J. Rubber boots and shoes. 51,911; renewed Apr. 24, 1926.
Landgrebe Co., The, Chicago, Ill. Dental supplies. 207,286; Dec. 29; Serial No. 214,488; published Oct. 13, 1925.
Law Canning Company, The, Portland, Oreg. Chicken chop suey. 207,377; Dec. 29; Serial No. 216,551; published Oct. 27, 1925.
Lazier, J. F., Manufacturing Co., St. Louis, Mo. Flavor and coloring for soft drinks. 207,344; Dec. 29; Serial No. 208,348; published Mar. 24, 1925.
Lee Broom & Duster Company, assignor to The Lee Broom Company, Lincoln, Nebr. Whisks. 46,926; renewed Oct. 17, 1925.
Lee Broom & Duster Company, assignor to The Lee Broom Company, Lincoln, Nebr. Brooms, brushes, whisks, and dusters. 47,826; renewed Nov. 21, 1925.
Lenox Incorporated, Trenton, N. J. Pottery—viz, plates, cups, platters, etc. 207,322; Dec. 29; Serial No. 218,013; published Oct. 13, 1925.
Liberty Home Beverage Company. (See Macauley, John.)
Lucas, John, & Company Incorporated, Philadelphia, Pa. Paint lacquers and enamels. 207,321; Dec. 29; Serial No. 217,569; published Oct. 13, 1925.
Mable-Werke, G. m. b. H., Bad Schwartau, near Lubeck, Germany. Marchpane. 207,368; Dec. 29; Serial No. 211,172; published Oct. 27, 1925.
Macauley, John, doing business as Liberty Home Beverage Company, Detroit, Mich. Malt-extract sirup. 207,340; Dec. 29; Serial No. 151,326; published May 9, 1922.
Maine Manufacturing Company, assignor, by mesne assignments, to The Maine Manufacturing Company, Nashua, N. H. Refrigerators. 45,048; renewed Aug. 1, 1925.
Maine Manufacturing Company, assignor, by mesne assignments, to The Maine Manufacturing Company, Nashua, N. H. Refrigerators. 45,637; renewed Aug. 22, 1925.



Manahan, Margaret E., assignor to Manahan Moth Paper Company, New York, N. Y. Moth sheets and bags. 47,902; renewed Nov. 28, 1925.
Manahan, Thomas, assignor to Manahan Moth Paper Company, New York, N. Y. Moth paper and moth bags. 47,903; renewed Nov. 28, 1925.
Manufacturing Company of America, assignor to Thos. D. Richardson Company, Philadelphia, Pa. Mint candy. 52,075; renewed May 1, 1926.
Marietta Paint & Color Company, The, Marietta, Ohio. Mill white (paint enamel). 207,318; Dec. 29; Serial No. 212,625; published Oct. 13, 1925.
Marshall Field & Company, Chicago, Ill. Percale piece goods. 207,299; Dec. 29; Serial No. 218,623; published Oct. 13, 1925.
Marshall Field & Company, Chicago, Ill. Percale piece goods. 207,348; Dec. 29; Serial No. 218,624; published Oct. 13, 1925.
Marshall Field & Company, Chicago, Ill. Cotton poplin piece goods. 207,349; Dec. 29; Serial No. 218,620; published Oct. 27, 1925.
Martin & Rowne Company, New York, N. Y., assignor to Smith, Kline & French Co., Philadelphia, Pa. Tooth, nail, hair, and flesh brushes. 44,493; renewed July 11, 1925.
Mawer-Gulden-Annis, Inc. (See Gulden, Charles, assignor.)
Mazer, Michael, doing business as Hoch-Unix Malt Co., Springfield, Mass. Malt sirup. 207,417–18; Dec. 29; Serial Nos. 217,888–9; published Oct. 20, 1925.
McAvoy Company, Chicago, Ill. Malt beverages and malt tonic. 207,378; Dec. 29; Serial No. 216,554; published Oct. 20, 1925.
McConway & Torley Co., The, Pittsburgh, Pa. Iron and steel castings and forgings. 50,628; renewed Mar. 27, 1926.
McLean, Andrew, Company, Passaic, N. J. Linen cloth for millinery and hat manufacture purposes. 207,410; Dec. 29; Serial No. 218,497; published Oct. 20, 1925.
Meyer, Chas. E., & Co., Freeport, Ill. Spirit vinegar. 50,262; renewed Mar. 6, 1926.
Minute Tapioca Co. (See Whitman Grocery Company, assignor.)
Mooresville Cotton Mills, Mooresville, N. C. Cotton piece goods. 207,351; Dec. 29; Serial No. 218,928; published Oct. 13, 1925.
Morgan Company, The. (See Chicago Varnish Company, assignor.)
Morse, E. E., Lodi, Calif. Fresh fruits. 207,412; Dec. 29; Serial No. 218,865; published Oct. 27, 1925.
Mott, J. L., Company, Trenton, N. J. Pottery plumbing fixtures. 207,297; Dec. 29; Serial No. 217,892; published Oct. 13, 1925.
Myles Salt Co., Ltd., New Orleans, La. Salt. 207,425; Dec. 29.
Nashua Manufg. Company, Nashua, N. H. Cotton piece goods. 207,282; Dec. 29; Serial No. 216,066; published Oct. 13, 1925.
National Gum Co., Inc., The, Newark, N. J. Chewing gum. 207,337; Dec. 29; Serial No. 219,679; published Oct. 20, 1925.
New England Confectionery Co., assignor to New England Confectionery Company, Boston, Mass. Lozenges. 50,475; renewed Mar. 20, 1926.
New England Magnesia Company. (See Robinson, Max W.)
New Orleans Coffee Co., Ltd., New Orleans, La. Cane sirup. 207,320; Dec. 29; Serial No. 215,701; published Oct. 13, 1925.
Nichols Copper Company, New York, N. Y. Ore-roasting furnaces and parts therefor. 107,436; Dec. 29.
Nicholson File Company, Providence, R. I. Files and rasps and handles and holders therefor. 50,882; renewed Apr. 3, 1926.
Nu-Way Distributing Co. (See Pierce, Albert L.)
O. D. Specialty Company. (See Peter, Michael.)
Old Dominion Canning Company. (See Kriete, John E., assignor.)
Orlik, Alfred, New York, N. Y. Pipes. 207,362; Dec. 29; Serial No. 219,447; published Oct. 13, 1925.
Osborne Fruit & Vegetable Co., Fullerton, Calif. Oranges, grapes, melons, vegetables, etc. 207,395; Dec. 29; Serial No. 219,838; published Oct. 27, 1925.
P. D. Q. Soap Products Company. (See Flood, Leon B.)
Packard & Field, assignor, by mesne assignments, to Field and Flint Co., Brockton, Mass. Leather boots, shoes, and slippers and upper and sole leather. 48,090; renewed Dec. 12, 1925.
Packard & Field, assignor, by mesne assignments, to Field and Flint Co., Brockton, Mass. Leather boots, shoes, and slippers and upper and sole leather. 48,215; renewed Dec. 19, 1925.
Palmer, Hill & Co.; Walter C. Palmer, doing business as W. R. Palmer & Co., Cincinnati, Ohio, successor. Mops. 51,748; renewed Apr. 24, 1926.
Palo Alto Orchards Company, South Easton, Mass. Pineapples. 207,324; Dec. 29; Serial No. 178,668; published Jan. 27, 1925.
Park Steel Company, Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Steel. 48,232; renewed Dec. 19, 1925.
Park Steel Company, Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Steel. 48,349–50; renewed Dec. 26, 1925.
Park Steel Company, Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Steel. 49,163–4; renewed Jan. 23, 1926.
Park Steel Company, Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Steel. 49,860; renewed Feb. 20, 1926.
Park & Tilford, New York, N. Y. Candies. 207,329; Dec. 29; Serial No. 213,989; published Oct. 20, 1925.
Parkhill Mfg. Co., Fitchburg, Mass. Cotton piece goods. 51,730; renewed Apr. 24, 1926.
Peerless Preparations, Inc., New York, N. Y. Sanitary napkins. 207,308; Dec. 29; Serial No. 219,553; published Oct. 13, 1925.
Pelton Water Wheel Co., The, San Francisco, Calif. Water wheels, and water-wheel motors. 52,020; renewed May 1, 1926.
Peoria Drill and Seeder Co., Peoria, Ill. Broadcast-seeding machines. 52,370; renewed May 8, 1926.
Peter, Michael, doing business as O. D. Specialty Company, Chicago, Ill. Malt extracts. 207,406; Dec. 29; Serial No. 218,871; published Oct. 20, 1925.
Petro, Anthony, New Rochelle, N. Y. Gasoline and lubricating oils. 207,345; Dec. 29; Serial No. 212,571; published Oct. 13, 1925.
Phillips Insulated Wire Co., assignor to Phillips Wire Company, Pawtucket, R. I. Insulated wire and insulated wire cables. 50,824; renewed Apr. 3, 1926.
Phillips Insulated Wire Co., assignor to Phillips Wire Company, Pawtucket, R. I. Insulated conducting wires. 50,825; renewed Apr. 3, 1926.
Pierce, Albert L., doing business as Nu-Way Distributing Co., Altoona, Pa. Furniture and automobile polish. 207,341; Dec. 29; Serial No. 186,390; published Oct. 13, 1925.
Pike Manufacturing Company, The, Pike, Littleton, and Lisbon, N. H.; Hot Springs, Ark.; Orleans, Ind.; Evansville, Vt.; and New York, N. Y.; The Pike Manufacturing Company, Pike, N. H. Sharpening stones. 49,357; renewed Jan. 30, 1926.
Pike Manufacturing Company, The, Pike, Littleton, and Lisbon, N. H.; Hot Springs, Ark.; Orleans, Ind.; Evansville, Vt.; and New York, N. Y.; The Pike Manufacturing Company, Pike, N. H. Hones. 49,358; renewed Jan. 30, 1926.
Piso Company, The, Warren, Pa. Consumption remedy. 50,770; renewed Mar. 27, 1926.
Piso Company, The, Warren, Pa. Remedy for catarrh. 50,771; renewed Mar. 27, 1926.
Prince, Martin J., West Berkeley, Calif. Christmas-tree holders. 207,427; Dec. 29.
Reardon Company, The, St. Louis, Mo. Cold-water paint. 207,295; Dec. 29; Serial No. 216,695; published Sept. 22, 1925.
Red Jacket Consolidated Coal and Coke Company. (See Hull Coal and Coke Corporation, assignor.)
Red Spot Paint & Varnish Company, Inc., Evansville, Ind. Paste and ready-mixed paints, paint enamels, and varnishes. 207,347; Dec. 29; Serial No. 216,216; published Oct. 13, 1925.
Regent Chocolate Company, The. (See Hunter, H. Blount.)
Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Ammunition. 207,284; Dec. 29; Serial No. 215,383; published Oct. 13, 1925.
Review Publishing Company, New York, N. Y. Monthly magazine. 50,158; renewed Mar. 6, 1926.
Richardson, Artemas P., assignor to Thos. D. Richardson, Philadelphia, Pa. Mint candy. 44,827; renewed July 25, 1925.
Richardson, Artemas P., assignor to Thos. D. Richardson, Philadelphia, Pa. Plaited creamy mint and other candy. 45,038; renewed Aug. 1, 1925.
Richardson, Artemas P., assignor to Thos. D. Richardson Company, Philadelphia, Pa. Mint candy. 45,034; renewed Aug. 1, 1925.
Richardson, Thos. D., Company. (See Manufacturing Company of America, assignor.)
Richman & Samuels, New York, N. Y., and Brawley and Los Angeles, Calif. Melons and fresh vegetables. 207,331; Dec. 29; Serial No. 214,749; published Oct. 20, 1925.
Robinson, Max W., doing business as New England Magnesia Company, Boston, Mass. Beverages sold as soft drinks. 207,304; Dec. 29; Serial No. 219,001; published Oct. 13, 1925.
Rosenberg Bros. & Co., San Francisco, Calif. Dried prunes. 207,371; Dec. 29; Serial No. 212,296; published Oct. 27, 1925.
Rosenstein, Emanuel D., doing business as Eagle Malt Extract Company, Memphis, Tenn. Malt sirup. 207,283; Dec. 29; Serial No. 215,655; published Oct. 13, 1925.
Rossman Brothers, New York, N. Y. Cotton goods, cotton and silk goods, and artificial-silk goods in the piece. 207,380; Dec. 29; Serial No. 216,995; published Oct. 20, 1925.
Rossville Packing Co., The, Rossville, Ill. Canned corn. 207,336; Dec. 29; Serial No. 218,207; published Oct. 20, 1925.
Runkel Brothers, Incorporated, New York, N. Y. Cocoa. 52,043; renewed May 1, 1926.
Runkel Brothers, Incorporated, New York, N. Y. Chocolate. 52,044; renewed May 1, 1926.

Russell, J. B., doing business as M. C. Russell Company, Maysville, Ky. Canned corn, peas, and tomatoes. 207,435; Dec. 29.

Russian American Fish-Products Corporation, New York, N. Y. Canned caviar. 207,367; Dec. 29; Serial No. 206,922; published Oct. 27, 1925.

Ryan, Matthew W., doing business as W. H. Brown Son & Co., New York, N. Y. Cotton piece goods. 207,361; Dec. 29; Serial No. 219,309; published Oct. 13, 1925.

Saxon China Company, The, Sebring, Ohio. Plates, cups, platters, etc. 207,313–14; Dec. 29; Serial Nos. 218,376–8; published Oct. 13, 1925.

Saxon China Company, The, Sebring, Ohio. Plates, cups, platters, etc. 207,323; Dec. 29; Serial No. 218,376; published Oct. 13, 1925.

Scheidt, Edward, doing business as Superior Malt Extract Co., Chicago, Ill. Malt extract. 207,483; Dec. 29.

Shurry Beverage Company. (See Snyder, Sherwood P.)

Sinnock & Sherrill, New York, N. Y. Society emblems. 47,548; renewed Nov. 7, 1925.

Sioux Candy Co., Sioux City, Iowa. Candy. 207,332; Dec. 29; Serial No. 215,946; published Oct. 20, 1925.

Smith, Kline & French Co. (See Martin & Bowne Company, assignor.)

Snyder, Sherwood P., doing business as Shurry Beverage Company, Dayton, Ohio. Beverages and sirups and extracts for making the same. 207,405; Dec. 29; Serial No. 218,876; published Oct. 20, 1925.

South Texas Cotton Oil Company, Houston, Tex. Salad oil. 207,316; Dec. 29; Serial No. 218,025; published Oct. 13, 1925.

Staub-Richardson Company, Waukesha, Wis. Canned peas. 207,396; Dec. 29; Serial No. 219,916; published Oct. 27, 1925.

Stetson, John R., jr., Pittsfield, Mass. Sausage and ham, pork loins, bacon, and pork shoulders. 207,373; Dec. 29; Serial No. 214,630; published Oct. 27, 1925.

Stoll Oil Refining Company, Louisville, Ky. Gasoline. 207,319; Dec. 29; Serial No. 214,515; published Oct. 13, 1925.

Strauss, Levi, & Co., San Francisco, Calif. Outer garments. 50,748; renewed Mar. 27, 1926.

Suomen Osuuskauppojen Keskuskunta, R. L., Helsingfors, Finland. Safety matches. 207,374; Dec. 29; Serial No. 215,105; published Oct. 20, 1925.

Suomen Osuuskauppojen Keskuskunta, R. L., Helsingfors, Finland. Safety matches. 207,420; Dec. 29; Serial No. 219,311; published Oct. 20, 1925.

Superior Malt Extract Co. (See Scheidt, Edward.)

Taubensee, Henry A., & Co., Chicago, Ill. Special process of alloy-coated polished-steel sheets and steel sheets of various gauges and sizes. 207,294; Dec. 29; Serial No. 216,569; published Oct. 13, 1925.

Tetlow, Joseph, assignor to Henry Tetlow Company, Philadelphia, Pa. Face powder. 51,949; renewed Apr. 24, 1926.

Thomson Wood Finishing Co., The, Philadelphia, Pa. Dry, paste, and ready-mixed paints, paint enamels, varnishes, etc. 207,343; Dec. 29; Serial No. 201,060; published Oct. 13, 1925.

Tru-Blu Biscuit Co., Spokane, Wash. Candy. 207,307; Dec. 29; Serial No. 219,460; published Oct. 13, 1925.

Tubular Rivet & Stud Company, Boston, Mass. Lacing hooks and lacing studs. 50,214; renewed Mar. 6, 1926.

Turner Asbestos & Roofing Co., Philadelphia, Pa. Asbestos shingles and magnesia and asbestos pipe covering. 207,281; Dec. 29; Serial No. 216,442; published Sept. 15, 1925.

Turner & Seymour Manufacturing Co., The, Torrington, Conn. Casehardening boxes, cyanide boxes, aluminum pots, etc. 207,429; Dec. 29.

Union Macaroni Co., Inc., Beaumont, Tex. Macaroni, spaghetti, noodles, and vermicelli. 207,292; Dec. 29; Serial No. 205,965; published Oct. 13, 1925.

United Hosiery Stores Co., Chicago, Ill. Hosiery. 207,325; Dec. 29; Serial No. 197,634; published June 30, 1925.

United Society of Christian Endeavor, Boston, Mass. Souvenir articles. 46,889; renewed Oct. 10, 1925.

United Society of Christian Endeavor, Boston, Mass. Flags and banners. 47,816; renewed Nov. 21, 1925.

Van Antwerp's Drug Corp. Inc., Mobile, Ala. Essence of celery for flavoring foods, cloves, celery seed, cocoanut oil for food purposes, etc. 207,424; Dec. 29.

Victor Talking Machine Company, Camden, N. J. Records for talking machines. 49,364; renewed Jan. 30, 1926.

Vital Food Company of California. (See Wilke, Rose.)

Voegele & Dinning Company, The, Huntington, W. Va. Chocolate candy in the form of chips. 207,402; Dec. 29; Serial No. 219,049; published Oct. 27, 1925.

Voigt & Co., assignor to Voigt & Co., Chattanooga, Tenn. Liquid preparation of sodium phosphate. 51,361; renewed Apr. 10, 1926.

Wells Abbott Nieman Company, assignor to Wells-Abbott-Nieman Co., Inc., Schuyler, Nebr. Wheat flour. 51,757; renewed Apr. 24, 1926.

Wheeler, Hayden W., & Co., New York, N. Y. Watchcases and watch movements. 52,174; renewed May 1, 1926.

White, Joseph J.; Joseph J. White, Inc., New Lisbon, N. J., successor. Cranberries. 50,493; renewed Mar. 20, 1926.

Whitman Grocery Company, assignor to Minute Tapioca Co., Orange, Mass. Prepared gelatin. 48,295; renewed Dec. 19, 1925.

Whitman Grocery Company, assignor to Minute Tapioca Co., Orange, Mass. Prepared tapioca. 48,387; renewed Dec. 26, 1925.

Wilke, Rose, doing business as Vital Food Company of California, Los Angeles, Calif. Salad dressing, edible oils. 207,289; Dec. 29; Serial No. 211,643; published Oct. 13, 1925.

Wilson, John, Seattle, Wash. Range boilers. 207,430; Dec. 29.

Woods, Harley H., Chicago, Ill. Candy. 207,342; Dec. 29; Serial No. 200,027; published Oct. 6, 1925.

Wright, Leslie A., Arlington, Tex. Poultry remedy. 207,422; Dec. 29.

Wuichet Fertilizer Company, The, Dayton, Ohio. Fertilizers. 207,431–2; Dec. 29.

Wyeth Hardware & Manufacturing Company, St. Joseph, Mo. Horse collars. 51,381; renewed Apr. 17, 1926.

Young, F. H., Company, Boston, Mass. Dressing for boots and shoes. 51,833; renewed Apr. 24, 1926.

Young, F. H., Company, Boston, Mass. Cleaning compounds for duck and canvas. 51,834; renewed Apr. 24, 1926.

Young, F. H., Company, Boston, Mass. Dressing for boots and shoes. 51,926; renewed Apr. 24, 1926.

Young, F. H., Company, Boston, Mass. Cleaning compounds for duck or canvas. 51,927; renewed Apr. 24, 1926.

# ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Ablett, Charles R., Co., New York, N. Y. C. R. A Sky-Sweeper Radio Tube. For Electron Tubes. 29,703; Dec. 29.

Bendix Corporation, Chicago, Ill. Bendix Brakes. For Brakes. 29,704; Dec. 29.

Brandes Products Corporation, Newark, N. J. Brandes Audio Transformer. For Audio-Frequency Transformers. 29,705; Dec. 29.

Brandes Products Corporation, Newark, N. J. Brandes Phonograph Attachment. For Phonograph Attachments for Radio Receiving Apparatus. 29,706; Dec. 29.

Brandes Products Corporation, Newark, N. J. Brandes Cabinet Unit. For Cabinet-Type Radio Reproducers. 29,707; Dec. 29.

Cameo Record Corporation, New York, N. Y. Uncle Wiggily and Cameo-Kid Records for Children. For Phonograph Records. 29,708; Dec. 29.

Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Minced Sea Clams. 29,709; Dec. 29.

Dickinson, E. E., Co., The, Essex, Conn. Witch Hazel For Bottled Witch-Hazel. 29,711; Dec. 29.

Draper, H. C., doing business as Draper Canning Co., Milton, Del. King Cole. For Canned Peas. 29,712; Dec. 29.

Draper, H. C., doing business as Draper Canning Co., Milton, Del. Draper's Tom Thumb Brand. For Baby Lima Beans. 29,713; Dec. 29.

Drysdale, R., & Co., Ltd., Edinburgh, Scotland. Liqueur & Coffee. For Liqueur and Coffee. 29,714; Dec. 29.

Drysdale, R., & Co., Ltd., Edinburgh, Scotland. Rum & Coffee. For Rum and Coffee. 29,715; Dec. 29.

First National Laboratories Inc., Lehighton, Pa. Dr. Whites Regulator. For Medicine for the Relief of Constipation. 29,716; Dec. 29.

Fletcher Works, Incorporated, Philadelphia, Pa. Pik-Pik. For Ice Picks. 29,717; Dec. 29.

Green, Beckman B., Courtland, Calif. Court. For Pears. 29,718; Dec. 29.

Green, Beckman B., Courtland, Calif. Royal Orchard. For Fresh Pears. 29,719; Dec. 29.

Grimes, David, Radio and Cameo Record Corporation, doing business as Cameo Record Corp., New York, N. Y. Jackie Coogan Series. For Phonograph Records. 29,710; Dec. 29.

Hoberg Paper & Fibre Company, Green Bay, Wis. A Suggestion. For Toilet Tissue. 29,720; Dec. 29.

Home Malt Company. (See Tusch, Ernest O.)

Interstate Dental Trading Co. Inc., New York, N. Y. Odontocream A Dental Prophylactic Cream. For a Dental Prophylactic Cream. 29,721; Dec. 29.

Jackson Brewing Company, New Orleans, La. Sazerac-Cap. For Ginger Ale. 29,722; Dec. 29.

Keystone Grocery & Tea Co., Pittsburgh, Pa. Naborhood. For Coffee. 29,723; Dec. 29.



Krank, Alfred J., St. Paul, Minn. Gold-Olive. For Shampoo for the Hair. 29,724; Dec. 29.

Metropolitan Juvenile Clothing Co. Inc., New York, N. Y. Metropolitan Juvenile Clothing Co. Inc. For Clothing. 29,725; Dec. 29.

Moore, Edward T., Syracuse, N. Y. Edmoore Demand Limitator. For Demand Limitators. 29,726; Dec. 29.

Musick, Howard L., Los Angeles, Calif. Musick Wonder Remedy. For a Medicinal Preparation. 29,727; Dec. 29.

National Gum Co., Inc., The, Newark, N. J. National Fruit Chews. For Chewing Gum. 29,728; Dec. 29.

New England Confectionery Company, Boston, Mass. Peach Blossoms. For Candy. 29,729; Dec. 29.

Penn Tobacco Company, Wilkes-Barre, Pa. Penns Long Cut Smoking and Chewing Tobacco. For Tobacco. 29,730; Dec. 29.

Piru Citrus Association, Piru, Calif. Try-Sum. For Oranges. 29,731; Dec. 29.

Piru Citrus Association, Piru, Calif. Home of Ramona. For Oranges. 29,732; Dec. 29.

Seaboard Rice Milling Co., Galveston, Tex. Comet Rice. For Rice. 29,733; Dec. 29.

Stephens, Orlo, Elkhart Lake, Wis. Betty. For Canned Peas. 29,734; Dec. 29.

Stockton Paint Company, Stockton, Calif. Old Mission Paints & Varnishes. For Paints and Varnishes. 29,735; Dec. 29.

Tusch, Ernest O., doing business as Home Malt Company, Minneapolis, Minn. Malt Extract. For Malt Extract. 29,736; Dec. 29.

White Rose Manufacturing Co., Los Angeles, Calif. White Rose. For Liquid Clothes Cleaner. 29,737; Dec. 29.

# ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Cream of Wheat Co., Minneapolis, Minn. A Statement to Mothers by the U. S. Bureau of Education. For Wheat Breakfast Food. 8,479; Dec. 29.

Cream of Wheat Co., Minneapolis, Minn. Its Simple Form is easily handled by the most delicate digestion. For Wheat Breakfast Food. 8,480; Dec. 29.

Keystone Grocery & Tea Company, Pittsburgh, Pa. Keystone Stores. For Milk, Pineapple, Coffee, Etc. 8,481; Dec. 29.

Reid, Murdoch & Co., Chicago, Ill. Saint Valentine's Day. For Groceries. 8,482; Dec. 29.

Vesper, F. W. A., St. Louis, Mo. The Ten Ton Type. For Cattle. 8,483; Dec. 29.

Walsh, Christy, New York, N. Y. The Right Angle. For Novelties, Such as Blotters, Fountain Pens, and Paper Weights. 8,484; Dec. 29.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

## PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. M. C. Trust, Winchester, Mass. Pharmaceutical preparation for the treatment of toxic conditions. 223,158; Dec. 29.

Abbey, Burt, New York, N. Y. Cod-liver-oil preparation. 223,154; Dec. 29.

"Ace" Badge, Button and Medal Company. (See Harris, David B.)

Acme Brick Company, Fort Worth, Tex. Fire brick. 222,589; Dec. 29.

Adirondack Mineral Co., Inc., Carthage, N. Y. Metal preservative. 223,499; Dec. 29.

Alkavis Company, The. (See Mansfield, Mary A.)

American Fruits Publishing Company, Inc., Rochester, N. Y. Monthly magazine. 221,155; Dec. 29.

Archer, C. W., Shoe Co., The, Cincinnati, Ohio. Hand tool identified as a tracer. 208,217; Dec. 29.

Archer, C. W., Shoe Co., The, Cincinnati, Ohio. Leather shoes. 218,153; Dec. 29.

Atchley, William, Upland, Calif. Honey. 222,810; Dec. 29.

Automatic Radio Corporation of America, Wilmington, Del. Radio receiving sets. 208,739; Dec. 29.

Bakelite Corporation, New York, N. Y. Ornamentation simulating beaded design on cotton, silk, etc. 221,590; Dec. 29.

Bakelite Corporation, New York, N. Y. Ornamentation simulating beaded designs on cotton, silk, etc. 222,151; Dec. 29.

Baker Brothers, Elmira, N. Y. Greeting cards, folders, and booklets, etc. 222,300; Dec. 29.

Baker, Leslie E., doing business as Baker Oil Company, Milton, Pa. Lubricating oils and greases. 220,882; Dec. 29.

Balmer, J. H., Company, Newark, N. J. Bathroom and kitchen accessories. 221,159; Dec. 29.

Barna Company, Inc., New York, N. Y. Cakes. 205,674; Dec. 29.

Bauman, Hyman, Co., Inc., New York, N. Y. Cotton, silk, and woolen piece goods or combinations of the same. 222,256; Dec. 29.

Bay State Nurseries, The. (See Wyman, W. H., & Son.)

Beckmann, A. F., & Company, Inc., assignors to A. F. Beckmann, New York, N. Y. Olive oil. 171,567; Dec. 29.

Beckmann, August F. (See Beckmann, A. F., & Company, assignors.)

Bickiepegs Limited, London, England. Biscuits. 222,779; Dec. 29.

Bijou Dress Co., New York, N. Y. Ladies' and misses' dresses. 222,595; Dec. 29.

Bingham Company, Incorporated, The, Philadelphia, Pa. Loose-leaf binders. 203,933; Dec. 29.

Blud Life Company, Inc., Atlanta, Ga. Medicine. 221,942; Dec. 29.

Blue Beaver Coal Co. Inc., assignor to Blue Beaver Elkhorn Fuel Company, Inc., Detroit, Mich. Coal. 188,358; Dec. 29.

Blue Beaver Elkhorn Fuel Company. (See Blue Beaver Coal Co. Inc., assignor.)

Bonheur Company, The, Syracuse, N. Y. Lotion for the head and face. 222,106; Dec. 29.

Boss Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y. Gloves and mittens. 221,802; Dec. 29.

Brokaw Brothers, New York, N. Y. Shirts, suits, overcoats, hats, underwear, socks, etc. 221,476; Dec. 29.

Brown & Singerman, Inc., New York, N. Y. Women's underwear. 222,367; Dec. 29.

Brownstein-Louis Company, Los Angeles, Calif. Men's negligee outing shirts. 218,388; Dec. 29.

Brownstein-Louis Company, Los Angeles, Calif. Shirts, nightgowns, and pyjamas. 219,874; Dec. 29.

Brownstein-Louis Company, Los Angeles, Calif. Cotton, wool, silk and mixture fabrics in the piece. 219,875; Dec. 29.

Bruno, C., & Son. (See Welda Ware Products Company, assignor.)

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Radio products. 209,460; Dec. 29.

Burdwise, Aaron, Baltimore, Md. Accordions, pianos, zithers, mandolins, etc. 213,114; Dec. 29.

Burnett, Joseph, Company, Boston, Mass. Spices. 222,082; Dec. 29.

California Card Manufacturing Co., San Francisco, Calif. Frames for pictures, photographs, and the like. 219,576; Dec. 29.

Central Scientific Company, Chicago, Ill. Vacuum pumps. 223,461; Dec. 29.

Cheerco, Pamphil T., Seattle, Wash. Fresh potatoes. 219,577; Dec. 29.

Chemical Treatment Company, Inc., New York, N. Y. Scale weights, gage tubing, scale parts, etc. 219,807; Dec. 29.

Chemical Treatment Company, Inc., New York, N. Y. Carburizing boxes, radiator shells, stove parts, etc. 219,810; Dec. 29.

Cokefair, Francis A., doing business as Curtenir Company, Seattle, Wash. Curtain holdbacks. 222,307; Dec. 29.

Consolidated Flour Mills of Canada. (See Katzin, Alexander B.)

Converters' Association, New York, N. Y. Bulletin or journal issued monthly. 221,695; Dec. 29.

Cott-A-Lap Company, The, Somerville, N. J. Floor coverings having a felt base. 220,641; Dec. 29.

Crawford, McGregor & Canby Company, The, Dayton, Ohio. Golf clubs. 171,626; Dec. 29.

Crescent Washing Machine Company, New Rochelle, N. Y. Trays for carrying and handling cups, glasses, etc. 220,643; Dec. 29.

Crosby, L. J., Orient, S. Dak. Foot powder. 218,473; Dec. 29.

Curtenir Company. (See Cokefair, Francis A.)

Darlington Guano Company. (See Southern Fertilizer & Chemical Company.)

Day, Dorothy W., Chicago, Ill. Radiator cupboards and closets. 214,588; Dec. 29.

Del Monte Properties Company, San Francisco, Calif. Ham, bacon, sausage, smoked, pickled, and cured meats, and cheese. 220,113; Dec. 29.

Dime Automatic Co., doing business as Dime Service Co., Chicago, Ill. Automatic vending machines. 222,830; Dec. 29.

Donaldson, Frederick E., New York, N. Y. Silk piece goods. 221,411; Dec. 29.
Dudley, Wilton R., Chicago, Ill. Audio-frequency transformers. 206,726; Dec. 29.
Dueber-Hampden Watch Company, The, Canton, Ohio. Watchcases. 209,725; Dec. 29.
Duro Pump and Manufacturing Company, The, Dayton, Ohio. Electric motors, solenoids, and switches, circuit breakers, etc. 220,507; Dec. 29.
Easterbrook Coal Company, The, Cleveland, Ohio. Coal. 222,603; Dec. 29.
Electrical Research Laboratories, Inc., Chicago, Ill. Radio receiving sets, aerial equipment, loud speakers, etc. 222,171; Dec. 29.
Elevator Supplies Co., Inc., Hoboken, N. J. Annunciators. 220,648; Dec. 29.
Emel Packing Company, Seattle, Wash. Canned salmon. 223,378; Dec. 29.
Engelhardt, Georg, Cassel-Wilhelmshohe, Germany. Preparations for the relief of cold feet and abnormal foot transpiration. 223,118; Dec. 29.
Esmond Mills, The, Esmond, Smithfield, R. I. Textile blankets. 223,222–3; Dec. 29.
Famous Features Syndicate, Inc., New York, N. Y. Newspaper feature articles. 217,454; Dec. 29.
Famous Features Syndicate, Inc., New York, N. Y. Newspaper feature articles. 222,373; Dec. 29.
Federal Radio Corporation, Buffalo, N. Y. Radio receiving equipment. 220,402; Dec. 29.
Fibroc Insulation Company, Valparaiso, Ind. Composite material consisting of fibrous material and a condensation-product binder. 213,291; Dec. 29.
Fletcher Works, Incorporated, Philadelphia, Pa. Ice picks. 223,290; Dec. 29.
Florence Manufacturing Co. (See Golinko, Philip.)
Foley Bros. Grocery Co., St. Paul, Minn. Canned white cherries, pitted red cherries, blueberries, asparagus, etc. 220,514; Dec. 29.
Frank Held Tractor Co., The, Columbus, Ohio. Power lawn mowers. 223,232; Dec. 29.
Gedney, Stanley L., doing business as Ged Mfg. Co., New York, N. Y. Collar clips, tie holders, and garter clasps. 220,452; Dec. 29.
Gemco Manufacturing Company, Milwaukee, Wis. Shock absorbers for motor vehicles. 222,787; Dec. 29.
General Malt Sales Co., Cincinnati, Ohio. Malt sirup and extract of barley malt for food purposes. 211,351; Dec. 29.
Gerber & Co. A. G., Thoune, Switzerland. Cheese. 222,112; Dec. 29.
Gilbert Spruance Company, The, Philadelphia, Pa. Ready-mixed paint. 222,840; Dec. 29.
Gilbert, Walter B., doing business as Walter B. Gilbert & Co., York, Pa. Window ventilators and roof ventilators. 222,504; Dec. 29.
Gillmore, Verne, doing business as St. Paul Physico-Clinical Laboratory, St. Paul, Minn. Devices for testing apparatus for treatment by electronic reactions. 188,203; Dec. 29.
Golden Dome Bottling Co., Inc., Roxbury, Boston, Mass. Ginger ale, root beer, sarsaparilla, vanilla, and various fruit flavors. 223,486; Dec. 29.
Golinko, Philip, doing business as Florence Manufacturing Co., New York, N. Y. Dresses, coats, and suits. 223,167; Dec. 29.
Goodrich, B. F., Company, The, New York, N. Y. Rubber vehicle tires. 222,673; Dec. 29.
Graf, John, Co., Milwaukee, Wis. Beverages and sirups for making the same. 223,385; Dec. 29.
Great Atlantic & Pacific Tea Company, The, Jersey City, N. J. Farina, canned goods, etc. 202,496; Dec. 29.
Grushlaw and Sichel, Philadelphia, Pa. Knitted jackets, vests, coats, and sweaters. 222,114; Dec. 29.
Guard, Louis H., doing business as Guard Germicide Co., Geneva, N. Y. Germicides, disinfectants, and deodorizers. 222,745; Dec. 29.
Guard, Louis H., doing business as Guard Germicide Co., Geneva, N. Y. Insecticides. 222,746; Dec. 29.
Guggenheimer, C. M., Inc., Lynchburg, Va. Cotton suitings and cotton ginghams. 185,295; Dec. 29.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of wool, silk, and cotton. 221,410; Dec. 29.
Hakon Products Company, Nashville, Tenn. Concrete stepping stones, hollow concrete blocks, and interior partition blocks. 221,115; Dec. 29.
Hall, J. C., Company, The, Providence, R. I. Checks, letterheads, check books, etc. 219,181; Dec. 29.
Hallock & Watson Radio Corporation, Portland, Oreg. Radio receiving sets and parts thereof. 218,173; Dec. 29.
Hamilton, M. B., & Co., Leavenworth, Kans. Work gloves, mittens, and gauntlets. 223,512; Dec. 29.
Hanscom, Allan T., Woonsocket, R. I. Radio receiving sets and parts thereof. 211,208; Dec. 29.
Harris, David B., doing business as "Ace" Badge, Button and Medal Company, New York, N. Y. Banners, flags, pennants, emblem buttons, etc. 220,655; Dec. 29.
Harris & Tinograph, Inc., New York, N. Y. Sweatbands. 219,965; Dec. 29.
Hart Coal Corporation, Mortons Gap, Ky. Coal. 221,661–2; Dec. 29.
Haynes-Henson Shoe Company, Knoxville, Tenn. Shoes. 222,457; Dec. 29.
Hi-Gene Co., Newark, N. J. Remedy for corns and bunions and foot-bath tablets. 222,379; Dec. 29.
Hill, Edward M., doing business as Edward M. Hill & Co., New York, N. Y. Turkish towels, terry cloths, Turkish bath sheets, etc. 213,709; Dec. 29.
Hill, H. G., Company, Nashville, Tenn. Wheat flour. 222,748; Dec. 29.
Hillman, Harry P., doing business as Island Belle Grape Juice Co., Grapeview, Wash. Grape juice. 222,242; Dec. 29.
Himalya Company, The. (See Mansfield, Mary A.)
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 223,284–5; Dec. 29.
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 223,237; Dec. 29.
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 223,239–41; Dec. 29.
Homan Manufacturing Company, The, Cincinnati, Ohio. Silver-plated bottle-shaped cocktail shakers and beverage mixers. 215,893; Dec. 29.
Hood Rubber Company, Watertown, Mass. Rubber boots and shoes, rubber overshoes, and rubber-sole canvas shoes. 219,333; Dec. 29.
Hood Rubber Company, Watertown, Mass. Rubber boots and shoes, rubber overshoes, and rubber-sole canvas shoes. 219,336; Dec. 29.
Hood Rubber Company, Watertown, Mass. Rubber boots and shoes, rubber overshoes, etc. 220,129; Dec. 29.
Hormel, Geo. A., & Co., Austin, Minn. Sliced bacon, ham, cooked vinegar-pickled hearts, pork sausage meat, etc. 203,816–17; Dec. 29.
Hubbard, C. D., Fruit Co., Carpenteria, Calif. Oranges, lemons, and grapefruit. 222,248; Dec. 29.
Hubbard, C. D., Fruit Co., Carpenteria, Calif. Oranges, lemons, and grapefruit. 222,252; Dec. 29.
Hubbell, Harvey, Incorporated, Bridgeport, Conn. Electric signal lamps, lamp-carrying electric caps, and electric-lamp call systems. 198,238; Dec. 29.
Humble Oil & Refining Company, Houston, Tex. Refined and unrefined oils made from petroleum and lubricating greases. 222,679; Dec. 29.
Ideal Radiotelefon- & Apparate-Fabrik G. m. b. H. (Verkaufsburo), Berlin, Germany. Head phones, earpieces, detectors, etc. 216,725; Dec. 29.
Industria Marmellate e Conserve Alimentari, Voghera, Italy. Preserved fruits. 205,121–2; Dec. 29.
International Company, The, Baltimore, Md. White icing powder. 223,035; Dec. 29.
International Motor Company, New York, N. Y. Busses, trucks, and chassis therefor. 204,733; Dec. 29.
International Radiolite Company, The, St. Paul, Minn. Battery compound. 223,036; Dec. 29.
Isbell-Kent-Oakes Dry Goods Company, The, Denver, Colo. Overalls, jumpers, work pants, etc. 216,047; Dec. 29.
Island Belle Grape Juice Co. (See Hillman, Harry P.)
J. & J. C. Dorward Limited, Galaschiels, Scotland. Overcoats. 220,598; Dec. 29.
Jonathan Levi Co., Inc., Schenectady, N. Y. Baking powder. 223,088; Dec. 29.
Jones, Cecile, New York, N. Y. Creams for the skin. 219,746; Dec. 29.
Kansas Flour Mills Company, The, Wichita, Kans. Wheat flour. 219,245; Dec. 29.
Katzin, Alexander B., doing business as Consolidated Flour Mills of Canada, New York, N. Y. Flour from hard Manitoba wheat. 221,617; Dec. 29.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Baby carriages. 222,182; Dec. 29.
Knitted Padding Company, Canton, Mass. Knitted cotton padding, table pads, and bed pads. 223,096–7; Dec. 29.
Koko Signal System Incorporated, doing business as New York Merchants Protective Co., New York, N. Y. Electrical alarms and signal devices. 218,818; Dec. 29.
Kollath, Joseph, Schenectady, N. Y. Electrical display signs. 209,990; Dec. 29.
Kraus, Louis, & Sydney Shereero Inc., New York, N. Y. Dresses. 222,849; Dec. 29.
Kroder, John, & Henry Reubel Co. Inc., The, New York, N. Y. Curtain hardware. 220,906; Dec. 29.
La France Art Company, Philadelphia, Pa. Tapestry pictures, or hangings woven of textile fabrics. 206,626; Dec. 29.
Lagerloop Trading Company, Inc., New York, N. Y. Matches. 218,706; Dec. 29.
Lancaster Mills, Clinton, Mass. Cotton piece goods. 222,327; Dec. 29.
La Salle Company, The, St. Paul, Minn. Perfumes, toilet waters, face and talcum powder, and face creams. 220,785; Dec. 29.
Laudenslager, J. K., Inc., Philadelphia, Pa. Spices. 222,750; Dec. 29.
Lawrence, Reba B., Brookline, Mass. Candles. 222,129; Dec. 29.
Ledoment Co. (See Sladek, Thomas.)
Leggett, Francis H., & Company, New York, N. Y. Canned vegetables. 217,163; Dec. 29.



Lentheric, Inc., New York, N. Y. Toilet soap. 215,989; Dec. 29.
Lincoln, Clarence S., Ceresco and Lincoln, Nebr. Cold tablets. 218,856; Dec. 29.
Link-Belt Company, Chicago, Ill. Chain and parts. 217,472; Dec. 29.
Linton, P. & A. Co., Providence, R. I. Earrings. 220,856; Dec. 29.
Long's Hat Stores, New York, N. Y. Caps. 216,108–9; Dec. 29.
Loomis-Woodward Company, The, Fort Dodge, Iowa. Candy. 222,854; Dec. 29.
Lubin, Inc., Wilmington, Del., and New York, N. Y. Perfume, toilet water, face powder, etc. 222,752; Dec. 29.
Lustberg, Nast & Co., New York, N. Y. Shirts. 206,487; Dec. 29.
Manitowoc Portland Cement Company, Manitowoc, Wis. Cement. 221,972; Dec. 29.
Mansfield, Mary A., doing business as The Alkavis Company, Detroit, Mich. Preparation for the treatment of kidneys, liver, urinary organs, and rheumatism. 223,245; Dec. 29.
Mansfield, Mary A., doing business as The Himalya Company, Detroit, Mich. Preparation for the treatment of asthma, hay fever, and respiratory organs. 223,246; Dec. 29.
Margolin, H., & Co., Inc., New York, N. Y. Reticules and hand bags. 217,473; Dec. 29.
Marshall Field & Co., Chicago, Ill. Yarns. 2221,955; Dec. 29.
Maschinenfabrik Moenus A.-G., Frankfort-on-the-Main, Germany. Machines for the manufacture of shoes and uppers, leather-ranging machines, etc. 217,722; Dec. 29.
Max Damm Company, Inc., Newark, N. J. Traveling bags. 222,079; Dec. 29.
Miles, Carroll C., doing business as C. C. Miles, Lancaster, Mass. Blank books, albums, portfolios, etc. 217,681; Dec. 29.
Miller-Crane Co., The, Cleveland, Ohio. Goiter prophylactic. 223,247; Dec. 29.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton goods, silk goods, linen goods, and mixtures of the same, all in the piece. 222,331; Dec. 29.
Mississippi Wire Glass Company, New York, N. Y. Wire glass. 222,696; Dec. 29.
Morgan Company, The, Peoria, Ill. Monthly magazine. 222,861; Dec. 29.
Morgan, Harry D., San Francisco, Calif. Dosage spoons. 210,397; Dec. 29.
Mount Hood Mnfg. Co., Portland, Oreg. Beverages sold as soft drinks and sirups used in making the same. 222,570; Dec. 29.
Nathan & Cohen Co. Inc., New York, N. Y. Rayon-filled cotton crêpe with a satin edge. 219,444; Dec. 29.
National Biscuit Company, New York, N. Y. Biscuit, crackers, cakes, and wafers. 222,627; Dec. 29.
National Carbon Company, Inc., New York, N. Y. Brushes. 221,275; Dec. 29.
National Grocery Company, Jersey City, N. J. Tea. 218,824; Dec. 29.
National Pneumatic Company, New York, N. Y. Electrical safety signaling lights and systems of lights and semaphores, electrical door motors, etc. 213,722; Dec. 29.
National Vulcanized Fibre Co., Wilmington, Del. Laminated fabricated material for electrical insulation 216,280; Dec. 29.
New England Poultryman Publishing Co., The, Boston, Mass. Monthly magazine. 222,337; Dec. 29.
New York Merchants Protective Co. (See Koko Signal System Incorporated.)
New York Metal Store Fronts Co., Inc., New York, N. Y. Store-window construction. 217,286; Dec. 29.
Nielsen, Claudius, doing business as Nielco Products Co., Detroit, Mich. Face creams, perfumes, and toilet waters. 221,374; Dec. 29.
Northwestern Radio Mfg. Company, Portland, Oreg. Radio receiving sets. 213,098; Dec. 29.
Ohrbach's Affiliated Stores Inc., New York, N. Y. Ladies' and misses' costumes. 211,423; Dec. 29.
Oneida Community Limited, Oneida, N. Y. Flatware, tableware, hollow ware, and cutlery. 220,462; Dec. 29.
Oster, John, Manufacturing Company, Racine, Wis. Hair clippers, clipper plates and blades, and repair parts. 223,135; Dec. 29.
Owens Bottle Company, The, Toledo, Ohio. Caps or closure devices for bottles and other containers. 213,665; Dec. 29.
Palmolive Company, The, Chicago, Ill. Soap. 221,136; Dec. 29.
Parfumerie Monpelas Steinfels Frères & Co., Vincennes, France. Perfumed face powder. 210,005; Dec. 29.
Parke, L. H., Company, Philadelphia, Pa. Coffee. 221,025; Dec. 29.
Paterson-Mutual Hosiery Mills, Inc., Paterson, N. J. Periodical published monthly. 223,321; Dec. 29.
Paxton and Gallagher Co., Omaha, Nebr. Radio vacuum tubes. 222,629; Dec. 29.
Peaslee-Gaulbert Co., Louisville, Ky. Ready-mixed paints. 206,025; Dec. 29.
Pepperell Braiding Company, East Pepperell, Mass. Repair outfit for mending stockings, etc. 221,202; Dec. 29.
Perin-Walsh Company, Roxbury and Boston, Mass. Conveyers, comprising essentially receptacles for goods, wares, etc. 220,617; Dec. 29.
Pfaltz & Bauer, Inc., New York, N. Y. Ground hæmatite, magnetite, and ground iron ores. 221,335; Dec. 29.
Pharmacia Gyógyszer Vegyészeti Gyar, Gyógyárunagykereskedés, R. T., Budapest, Hungary. Liquid prophylactic substance. 208,479; Dec. 29.
Plaza Music Co., New York, N. Y. Radio sets and parts thereof. 219,451; Dec. 29.
"Proka" Parfumerie- und Seifenfabriks A. G., Vienna, Austria. Soaps and preparations for laundry uses. 220,038; Dec. 29.
Prudence-Bonds Corporation, New York, N. Y. House newspaper. 189,519; Dec. 29.
Public Ledger Company, Philadelphia, Pa. Title for cartoons in newspaper articles. 223,050; Dec. 29.
Radio Corporation of America, New York, N. Y. Vacuum tubes and valves. 220,869; Dec. 29.
Radio Corporation of America, New York, N. Y. Vacuum tubes and valves. 220,872; Dec. 29.
Radium Remedies Company, Helena, Mont. Preparation for pyorrhea. 213,146; Dec. 29.
Rapid Addressing Machine Company, New York, N. Y. Inks and inking materials. 222,401; Dec. 29.
Record-O-Phone Company, Washington, D. C. Machines for electromagnetically recording and reproducing sound. 205,837; Dec. 29.
Reeves Engineering Corporation, Newark, N. Y. Flush plates and convenience openings. 222,144; Dec. 29.
Reiman, Clarence K., and W. C. Miner, trustees of San Albus Products Associates, Boston, Mass. Tooth paste. 222,626; Dec. 29.
Reynolds Preserving Company, The, Sturgeon Bay, Wis. Fresh cherries. 219,204; Dec. 29.
Reynolds Spring Company, Jackson, Mich. Convenience taps. 222,145; Dec. 29.
Rickert, Charles A., Minneapolis, Minn. Fertilizers. 221,851; Dec. 29.
Rimmel, Eugene Limited, London, England. Perfumes, face powder, crystal bath salts, etc. 223,141; Dec. 29.
Rittenberg Bros., New York, N. Y. Woolen piece goods. 220,143; Dec. 29.
Royal Electric Mfg. Co., Chicago, Ill. Superpower fuses, fuse switches, and disconnecting switches. 217,636; Dec. 29.
Royalin Flexible Lacquer Company, Incorporated, Long Island City, N. Y. Lacquers, lacquer enamels, thinners, etc. 220,324; Dec. 29.
St. Paul Physico-Clinical Laboratory. (See Gillmore, Verne.)
San Albus Products Associates. (See Reiman, Clarence K., and Walter C. Miner, trustees.)
Schrack, C., & Co., Philadelphia, Pa. Surfacers in paste form. 222,767; Dec. 29.
Schwarzenbach Huber Co., The, West Hoboken, N. J. Brond silks in the piece. 203,696; Dec. 29.
Siegel, Jacob, doing business as Jacob Siegel Company, Philadelphia, Pa. Men's topcoats and overcoats. 222,410; Dec. 29.
Simmons-Boardman Publishing Co., New York, N. Y. Magazine published periodically. 222,198; Dec. 29.
Simmons Company, New York, N. Y. Bedsteads, cots, cribs, and couches. 219,500; Dec. 29.
Sladek, Thomas, doing business as Ledoment Co., South Milwaukee, Wis. Healing ointment. 222,999; Dec. 29.
Solts, Joseph, Atlantic City, N. J. Ready-mixed paints and paint enamels. 222,285; Dec. 29.
Souder Company, Inc., The, Ardmore, Pa. Oil colors, varnish, putty, etc. 213,200; Dec. 29.
Southern Fertilizer & Chemical Company, doing business as Darlington Guano Company, Savannah, Ga. Fertilizers. 221,979; Dec. 29.
Southern Products Company, Monroe, La. Insecticide. 219,091; Dec. 29.
Staley, A. E., Manufacturing Company, Decatur, Ill. Starch. 219,855; Dec. 29.
Staley, A. E., Manufacturing Company, Decatur, Ill. Starch. 219,857; Dec. 29.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Oil compound or petroleum product. 222,714; Dec. 29.
Star Manufacturing Company, Inc., Providence, R. I. Ground-joint malleable-iron bronze seat unions. 222,350; Dec. 29.
Stevens & Wallis, (Incorporated), Salt Lake City, Utah. Plans, copy, lay-outs, cuts, etc. 179,234; Dec. 29.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 215,713; Dec. 29.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 215,760; Dec. 29.
Stone, William A., doing business as Stone & Co., Dallas, Tex. Hair pomades. 223,202; Dec. 29.
Sun-Maid Raisin Growers of California, Fresno, Calif. Raisin sirup. 222,803; Dec. 29.
Talby-Nason Co., Boston, Mass. Cod-liver oil and emulsions thereof. 223,203; Dec. 29.
Thomas & Company, Brooklyn, N. Y. Boots and shoes 223,107; Dec. 29.

# ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Toch Brothers, Incorporated, New York, N. Y. Cement preparations for coating metals and other surfaces. 221,519; Dec. 29.

Track Specialties Company, New York, N. Y. Guard rails, clamps, step joints, tie plates, etc. 211,520; Dec. 29.

Tracy, Bertrand P., doing business as Bertrand P. Tracy Company, Pittsburgh, Pa. Refrigerating apparatus. 219,093; Dec. 29.

Tubize Artificial Silk Company of America, Philadelphia, Pa. Artificial-silk threads and yarns. 223,495; Dec. 29.

Tuttle Press Company, The, Appleton, Wis. Crêpe paper. 218,884; Dec. 29.

Tyler, R. B., Company, Inc., Louisville, Ky. Asphalt. 221,521; Dec. 29.

Tyree Auto Radiator Mfg. Co., Chicago, Ill. Automobile radiators and radiator cores. 216,000; Dec. 29.

U. S. E. M. Company, New York, N. Y. System of electrical supervision of water-flow-alarm valves, of pressure and gravity tanks, etc. 220,297; Dec. 29.

United Alloy Steel Corporation, New York, N. Y., and Canton, Ohio. Rust-resisting anticorrosive metal and iron and steel bars, slabs, etc. 220,485; Dec. 29.

United Mills Ltd., New Westminster, British Columbia, Canada. Wood shingles. 210,258; Dec. 29.

Universal Willow & Reed Ware Company Incorporated. Long Island City, N. Y. Fiber woven fabric. 216,700; Dec. 29.

University Shop, Washington, D. C. Men's dress suits and overcoats. 218,030; Dec. 29.

Velmo Medicine Company, White Heath, Ill. Medicinal tablets. 220,983; Dec. 29.

Walker Limited, Litherland, Liverpool, England. Sole leather. 217,841; Dec. 29.

Walker, Wm. H., & Co., Buffalo, N. Y. Misses' and children's shoes. 220,584; Dec. 29.

Wall Street Financial Bureau, Inc., The, New York, N. Y. Periodical published weekly. 220,265; Dec. 29.

Ware Bros. Company, Philadelphia, Pa. Monthly trade journal. 222,531; Dec. 29.

Warner, William R., & Co., Inc., New York, N. Y. Medicinal preparation used as a laxative. 223,109; Dec. 29.

Weida Ware Products Company, Erie, Pa., assignor to C. Bruno & Son, New York, N. Y. Resonators for banjos and musical instruments. 211,642; Dec. 29.

Wise Brothers, Washington, D. C. Milk, cream, butter, cheese, and eggs. 221,651; Dec. 29.

Wise Brothers, Washington, D. C. Milk, cream, cheese, and eggs. 221,653; Dec. 29.

Wolf, Sidney J., San Francisco, Calif. Section of a magazine. 201,637; Dec. 29.

Woolson Spice Company, The, Toledo, Ohio. Coffee. 221,468; Dec. 29.

Wright Corporation, The, San Francisco, Calif. Fresh asparagus. 215,226; Dec. 29.

Wyman, W. H., & Son, doing business as The Bay State Nurseries, North Abington, Mass. Nursery stock. 219,264; Dec. 29.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

## CLASS 1.

Boots, shoes, and slippers, and upper and sole leather. Leather. Packard & Field. 48,090; renewed Dec. 12, 1925.

Boots, shoes, and slippers, and upper and sole leather. Leather. Packard & Field. 48,215; renewed Nov. 19, 1925.

Coal and coke. Hull Coal and Coke Corporation. 52,072; renewed May 1, 1926.

Cowhide, harness-leather shirting, and cut stock. Oak-tanned. Kuhlman, Salz & Company. 51,900; renewed Apr. 24, 1926.

Soles of boots and shoes. Flexible impregnated, fibrous material used for. Fibrok Products Limited. 207,291; Dec. 29; Serial No. 206,001; published Mar. 31, 1925.

## CLASS 2.

Moth paper and moth bags. T. Manahan. 47,903; renewed Nov. 28, 1925.

Moth sheets and bags. M. E. Manahan. 47,902; renewed Nov. 28, 1925.

## CLASS 3.

Collars, Horse. Wyeth Hardware & Manufacturing Company. 51,381; renewed Apr. 17, 1926.

## CLASS 4.

Cleaning compounds for duck and canvas. F. H. Young Company. 51,834; renewed Apr. 24, 1926.

Cleaning compounds for duck or canvas. F. H. Young Company. 51,927; renewed Apr. 24, 1926.

Dressing for boots and shoes. F. H. Young Company. 51,833; renewed Apr. 24, 1926.

Dressing for boots and shoes. F. H. Young Company. 51,926; renewed Apr. 24, 1926.

Hones. Pike Manufacturing Company. 49,358; renewed Jan. 30, 1926.

Sharpening stones. Pike Manufacturing Company. 49,357; renewed Jan. 30, 1926.

Soap paste, Canned hand. L. B. Flood. 207,327; Dec. 29; Serial No. 213,628; published Sept. 1, 1925.

## CLASS 6.

Antiseptic and disinfectant, Liquid. C. V. Dorman. 52,415; renewed May 8, 1926.

Castor oil. Baker Castor Oil Company. 51,918; renewed Apr. 24, 1926.

Chemical and pharmaceutical products. Chemische Fabrik auf Actien (vorm. E. Schering). 27,257; renewed Nov. 19, 1925.

Hair restorers. B. T. Goldman. 50,573; renewed Mar. 20, 1926.

Powder, Face. J. Tetlow. 51,949; renewed Apr. 24, 1926.

Preparation for asthma, catarrh, and similar affections. Hinrod Manufacturing Company. 47,801; renewed Nov. 21, 1[illegible].

Remedy, Con[illegible]aption. Piso Company. 50,770; renewed Mar. 27, 19[illegible].

Remedy for catarrh. Piso Company. 50,771; renewed Mar. 27, 1926.

Remedy for chicken cholera, roup, and limberneck. J. R. Crume. 48,917; renewed Jan. 16, 1926.

Remedy, Poultry. L. A. Wright. 207,422; Dec. 29.

Salt. Myles Salt Co. 207,425; Dec. 29.

Sodium phosphate, Liquid preparation of. Voigt & Co. 51,361; renewed Apr. 10, 1926.

Starch, Laundry. Electric Lustre Starch Company. 52,198; renewed May 1, 1926.

## CLASS 8.

Pipes. A. Orlik. 207,362; Dec. 29; Serial No. 219,447; published Oct. 13, 1925.

## CLASS 9.

Ammunition. Remington Arms Company. 207,284; Dec. 29; Serial No. 215,383; published Oct. 13, 1925.

Matches. Billboard Match Company. 207,303; Dec. 29; Serial No. 218,895; published Oct. 13, 1925.

Matches. Dougal Bros. 207,350; Dec. 29; Serial No. 218,745; published Oct. 13, 1925.

Matches, Safety. Suomen Osuuskauppojen Keskuskunta, R. L. 207,374; Dec. 29; Serial No. 215,105; published Oct. 20, 1925.

Matches, Safety. Suomen Osuuskauppojen Keskuskunta, R. L. 207,420; Dec. 29; Serial No. 219,311; published Oct. 20, 1925.

## CLASS 10.

Fertilizers. Wulchet Fertilizer Company. 207,431–2; Dec. 29.

## CLASS 12.

Cement, Refractory. Heat Sealing Kant-Burn Company. 207,423; Dec. 29.

Shingles and magnesia and asbestos pipe covering, Asbestos. Turner Asbestos & Roofing Co. 207,281; Dec. 29; Serial No. 216,442; published Sept. 15, 1925.

## CLASS 13.

Christmas-tree holders. M. J. Prince. 207,427; Dec. 29.

Nonskid chains and nonskid units. Arrow Grip Manufacturing Co. 207,315; Dec. 29; Serial No. 218,096; published Oct. 13, 1925.

Plumbing fixtures, Pottery. J. L. Mott Company. 207,297; Dec. 29; Serial No. 217,892; published Oct. 13, 1925.

## CLASS 14.

Gold, silver, aluminum, composition, or other metal leaf. Package rolls of. W. H. Coe Mfg. Co. 52,117; renewed May 1, 1926.

Iron and steel castings and forgings. McConway & Torley Co. 50,628; renewed Mar. 27, 1926.

Pig iron. Clinton Iron and Steel Company. 51,516; renewed Apr. 17, 1926.

Steel. Park Steel Company. 48,232; renewed Dec. 19, 1925.

Steel. Park Steel Company. 48,349; renewed Dec. 26, 1925.

Steel. Park Steel Company. 48,350; renewed Dec. 26, 1925.

Steel. Park Steel Company. 49,163; renewed Jan. 23, 1926.



Steel. Park Steel Company. 49,164; renewed Jan. 23, 1926.

Steel. Park Steel Company. 49,869; renewed Feb. 20, 1926.

Steel sheets. Henry A. Taubensee & Co. 207,294; Dec. 29; Serial No. 216,569; published Oct. 13, 1925.

## CLASS 15.

Gasoline. Stoll Oil Refining Company. 207,319; Dec. 29; Serial No. 214,515; published Oct. 13, 1925.

Gasoline and lubricating oils. A. Petro. 207,345; Dec. 29; Serial No. 212,571; published Oct. 13, 1925.

Oils and greases, Lubricating. F. B. Hower. 50,466; renewed Mar. 20, 1926.

## CLASS 16.

Enamel paint. Keystone Varnish Company. 207,346; Dec. 29; Serial No. 215,373; published Oct. 13, 1925.

Paint, Cold-water. Reardon Company. 207,295; Dec. 29; Serial No. 216,695; published Sept. 22, 1925.

Paint lacquers and enamels. John Lucas & Company. 207,321; Dec. 29; Serial No. 217,569; published Oct. 13, 1925.

Paint, Semipaste. H. B. Davis Company. 207,364; Dec. 29; Serial No. 219,616; published November 3, 1925.

Paints and enamels. Chicago Varnish Company. 47,557; renewed Nov. 14, 1925.

Paints, paint enamels, and varnishes. Red Spot Paint & Varnish Company. 207,347; Dec. 29; Serial No. 216,216; published Oct. 13, 1925.

Paints, varnishes, stains, etc. Thomson Wood Finishing Co. 207,343; Dec. 29; Serial No. 201,060; published Oct. 13, 1925.

Pigments, Black. Binney & Smith Company. 207,293; Dec. 29; Serial No. 197,183; published Sept. 15, 1925.

Polish, Furniture and automobile. A. L. Pierce. 207,341; Dec. 29; Serial No. 186,390; published Oct. 13, 1925.

White, Mill. Marietta Paint & Color Company. 207,318; Dec. 29; Serial No. 212,625; published Oct. 13, 1925.

## CLASS 17.

Cigars and cheroots. Otto Eisenlohr & Bros. 50,874; renewed Apr. 3, 1926.

## CLASS 20.

Linoleum. Belknap Hardware & Manufacturing Company. 207,285; Dec. 29; Serial No. 214,842; published Oct. 13, 1925.

## CLASS 21.

Insulated conducting wires. Phillips Insulated Wire Co. 50,825; renewed Apr. 3, 1926.

Insulated wire and insulated wire cables. Phillips Insulated Wire Co. 50,824; renewed Apr. 3, 1926.

## CLASS 22.

Game boards. Carrom-Archerena Co. 49,996; renewed Feb. 27, 1926.

Golf clubs. Crawford, McGregor & Canby Company. 207,428; Dec. 29.

## CLASS 23.

Broadcast seeding machines. Peoria Drill and Seeder Co. 52,370; renewed May 8, 1926.

Drills and drilling machines. Howells Mining Drill Co. 52,361; renewed May 8, 1926.

Files and rasps and handles and holders therefor. Nicholson File Company. 50,882; renewed Apr. 3, 1926.

Tools, Certain named. J. M. Carpenter Tap & Die Co. 50,950; renewed Apr. 3, 1926.

Wheels and water-wheel motors, Water. Pelton Water Wheel Co. 52,020; renewed May 1, 1926.

## CLASS 25.

Locks, keys, and parts of locks. Best Universal Lock Co. 207,287–8; Dec. 29; Serial Nos. 212,318–19; published Oct. 13, 1925.

## CLASS 27.

Watchcases and watch movements. Hayden W. Wheeler & Co. 52,174; renewed May 1, 1926.

## CLASS 28.

Badges, pins, charms, and buttons. United Society of Christian Endeavor. 46,889; renewed Oct. 10, 1925.

Emblem, Society. Sinnock & Sherrill. 47,548; renewed Nov. 7, 1925.

## CLASS 29.

Brooms, brushes, whisks, and dusters. Lee Broom & Duster Company. 47,826; renewed Nov. 21, 1925.

Brushes, Tooth, nail, hair, and flesh. Martin & Bowne Company. 44,493; renewed July 11, 1925.

Mops. Palmer, Hill & Co. 51,748; renewed Apr. 24, 1926.

Whisks. Lee Broom & Duster Company. 46,926; renewed Oct. 17, 1925.

## CLASS 30.

Plates, cups, platters, bowls, and other tableware pottery. Saxon China Company. 207,313–14; Dec. 29; Serial Nos. 218,376–8; published Oct. 13, 1925.

Plates, cups, platters, etc. Saxon China Company. 207,323; Dec. 29; Serial No. 218,376; published Oct. 13, 1925.

Porcelain and china goods. Gilbert & Co. 207,309; Dec. 29; Serial No. 219,623; published Oct. 13, 1925.

Pottery. Lenox Incorporated. 207,322; Dec. 29; Serial No. 218,013; published Oct. 13, 1925.

## CLASS 31.

Refrigerators. Maine Manufacturing Company. 45,048; renewed Aug. 1, 1925.

Refrigerators. Maine Manufacturing Company. 45,637; renewed Aug. 22, 1925.

## CLASS 34.

Boilers, Range. J. Wilson. 207,430; Dec. 29.

Casehardening boxes, cyanide boxes, aluminum pots, etc. Turner & Seymour Manufacturing Co. 207,429; Dec. 29.

Furnaces and parts therefor, Ore-roasting. Nichols Copper Company. 207,436; Dec. 29.

## CLASS 36.

Mouth harmonica. Firm of M. Hohner. 51,890; renewed Apr. 24, 1926.

Pianos. E. E. Gabler. 49,652; renewed Feb. 13, 1926.

Pianos. W. W. Kimball Company. 51,812; renewed Apr. 24, 1926.

Talking machines, Records for. Victor Talking Machine Company. 49,364; renewed Jan. 30, 1926.

## CLASS 38.

Magazine, Monthly. Review Publishing Company. 50,158; renewed Mar. 6, 1926.

## CLASS 39.

Blouses and waists, Boys'. Greenebaum Brothers. 48,279; renewed Dec. 19, 1925.

Boots and shoes, Leather. M. N. Arnold Co. 49,530; renewed Feb. 6, 1926.

Boots and shoes, Rubber. Lambertville Rubber Company. 51,711; renewed Apr. 24, 1926.

Garments, Outer. Levi Strauss & Co. 50,748; renewed Mar. 27, 1926.

Hosiery. United Hosiery Stores Co. 207,325; Dec. 29; Serial No. 197,634; published June 30, 1925.

Overalls. Alexander Bros. Company. 207,302; Dec. 29; Serial No. 218,837; published Oct. 13, 1925.

Suits, Men's. Carson Pirie Scott & Co. 207,298; Dec. 29; Serial No. 218,602; published Oct. 13, 1925.

Undershirts and drawers and union suits. Deimel Linen-Mesh System Company. 51,784; renewed Apr. 24, 1926.

Undershirts, drawers, and combination suits. Cooper M'f'g. Co. 47,536; renewed Nov. 7, 1925.

## CLASS 40.

Hairpins, safety pins, and toilet pins. S. Glemby's Sons Co. 207,426; Dec. 29.

Hooks and lacing studs, Lacing. Tubular Rivet & Stud Company. 50,214; renewed Mar. 6, 1926.

## CLASS 42.

Blankets, Cotton. Beacon Manufacturing Company. 207,312; Dec. 29; Serial No. 218,289; published Oct. 13, 1925.

Carpets. Hartford Carpet Corporation. 48,292; renewed Dec. 19, 1925.

Cloth, Linen. Andrew McLean Company. 207,410; Dec. 29; Serial No. 218,497; published Oct. 20, 1925.

Cotton, cotton and silk, and artificial-silk goods in the piece. Rosman Brothers. 207,380; Dec. 29; Serial No. 216,995; published Oct. 20, 1925.

Cotton dometts and cotton and wool Shaker flannels. Edson, Moore & Co. 46,101; renewed Sept. 5, 1925.

Cotton fabrics, mixtures of cotton and silk, etc. Cohn-Hall-Marx Co. 207,419; Dec. 29; Serial No. 218,000; published Oct. 20, 1925.

Cotton piece goods. Eagle & Phenix Mills. 51,129; renewed Apr. 3, 1926.

Cotton piece goods. Eagle & Phenix Mills. 51,168; renewed Apr. 3, 1926.

Cotton piece goods. Indian Head Mills of Alabama. 49,236; renewed Jan. 30, 1926.

Cotton piece goods. Mooresville Cotton Mills. 207,351; Dec. 29; Serial No. 218,928; published Oct. 13, 1925.

Cotton piece goods. Nashua Manufg. Company. 207,289; Dec. 29; Serial No. 216,066; published Oct. 13, 1925.

Cotton piece goods. Parkhill Mfg. Co. 51,730; renewed Apr. 24, 1926.

Cotton piece goods. M. W. Ryan. 207,361; Dec. 29; Serial No. 219,309; published Oct. 13, 1925.

Cotton piece goods, combination silk and cotton piece goods, etc. Henry Glass & Co. 207,310; Dec. 29; Serial No. 218,005; published Oct. 13, 1925.

Cotton plaids and stripes. Eagle & Phenix Mills. 51,023; renewed Apr. 3, 1926.

Fabrics, All-worsted dress. Atlantic Mills. 207,411; Dec. 29; Serial No. 218,443; published Oct. 20, 1925.

Fabrics in the piece, Pile. Sidney Blumenthal & Co. 207,363; Dec. 29; Serial No. 219,523; published Oct. 13, 1925.

Fabrics in the piece, Pile. Sidney Blumenthal & Co. 207,388–9; Dec. 29; Serial Nos. 219,574–5; published Oct. 20, 1925.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 207,398; Dec. 29; Serial No. 220,107; published Oct. 20, 1925.
Percale piece goods. Marshall Field & Company. 207,299; Dec. 29; Serial No. 218,623; published Oct. 13, 1925.
Percale piece goods. Marshall Field & Company. 207,348; Dec. 29; Serial No. 218,624; published Oct. 13, 1925.
Pile fabrics in the piece. Sidney Blumenthal & Co. 207,387; Dec. 29; Serial No. 219,524; published Oct. 20, 1925.
Poplin piece goods, Cotton. Marshall Field & Company. 207,349; Dec. 29; Serial No. 218,620; published Oct. 27, 1925.
Silk, cotton, and wool piece goods. Haas Brothers Fabrics Corporation. 207,311; Dec. 29; Serial No. 218,551; published Oct. 13, 1925.
Silk fabrics in the piece. B. Edmund David, Inc. 207,353; Dec. 29; Serial No. 219,169; published Oct. 13, 1925.
Silk piece goods. Golding Fabrics Corporation. 207,352; Dec. 29; Serial No. 129,121; published Oct. 13, 1925.
Silk piece goods. Jas. G. Johnson & Co. 207,354; Dec. 29; Serial No. 219,188; published Oct. 13, 1925.
Tickings. Eagle & Phenix Mills. 51,021; renewed Apr. 3, 1926.
Tickings. Eagle & Phenix Mills. 51,128; renewed Apr. 3, 1926.
Woolen and worsted fabrics in the piece. Detmer, Bruner & Mason, Inc. 207,416; Dec. 29; Serial No. 219,234; published Oct. 20, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 207,355–60; Dec. 29; Serial Nos. 219,237–42; published Oct. 13, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 207,381; Dec. 29; Serial No. 219,735; puolished Oct. 20, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 207,390–2; Dec. 29; Serial Nos. 219,581–3; published Oct. 20, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 207,393; Dec. 29; Serial No. 219,621; published Oct. 20, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 207,394; Dec. 29; Serial No. 219,736; published Oct. 20, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 207,399–400; Dec. 29; Serial Nos. 220,278–9; published Oct. 20, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 207,401; Dec. 29; Serial No. 220,299; published Oct. 20, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 207,401; Dec. 29; Serial No. 220,299; published Oct. 20, 1925.

CLASS 44.

Dental rolls and pads, Absorbent. Kimberly-Clark Company. 207,306; Dec. 29; Serial No. 219,285; published Oct. 13, 1925.
Dental supplies. Landgrebe Co. 207,286; Dec. 29; Serial No. 214,488; published Oct. 13 ,1925.
Respirators. H. S. Cover. 50,461; renewed Mar. 20, 1926.
Sanitary napkins. Peerless Preparations, Inc. 207,308; Dec. 29; Serial No. 219,553; published Oct. 13, 1925.

CLASS 45.

Beverages. Artic Fruit Ale Company. 207,382–5; Dec. 29; Serial Nos. 217,849–52; published Oct. 20, 1925.
Beverages. Diamond Bottling Corporation. 207,403–4; Dec. 29; Serial Nos. 218,954–5; published Oct. 20, 1925.
Beverages. M. W. Robinson. 207,304; Dec. 29; Serial No. 219,001; published Oct. 13, 1925.
Beverages and sirups and concentrates for making same. Chero-Cola Company. 207,317; Dec. 29; Serial No. 205,512; published Jan. 13, 1925.
Beverages sold as soft drinks and sirups and extracts for making the same. S. P. Snyder. 207,405; Dec. 29; Serial No. 218,876; published Oct. 20, 1925.
Beverages sold as soft drinks, extracts, concentrates, and sirups for making the same. Florida Bottlers' Co. 207,386; Dec. 29; Serial No. 219,480; published Oct. 27, 1925.
Flavor and coloring for soft drinks. J. F. Lazier Manufacturing Co. 207,344; Dec. 29; Serial No. 208,348; published Mar. 24, 1925.
Ginger ale. A. R. Holthusen. 51,818; renewed Apr. 24, 1926.
Ginger ale, beverage sold as a soft drink and sirup for making same. Dominion Ginger Ale Corp. 207,414; Dec. 29; Serial No. 219,385; published Oct. 27, 1925.

CLASS 46.

Apples, Fresh. Lake Chelan Fruit Growers. 207,338; Dec. 29; Serial No. 219,672; published Oct. 20, 1925.
Bacon. C. & T. Harris (Calne) Limited. 207,421; Dec. 29; Serial No. 219,279; published Oct. 27, 1925.
Biscuits and crackers. A. Baxton & Co. 48,851; renewed Jan. 16, 1926.
Candies. P. Hancock. 207,434; Dec. 29.
Candies. Park & Tilford. 207,329; Dec. 29; Serial No. 213,989; published Oct. 20, 1925.
Candies and chocolates. E. Greenfield's Sons. 207,330; Dec. 29; Serial No. 214,547; published Oct. 20, 1925.
Candy. Brecht Candy Company. 207,334; Dec. 29; Serial No. 217,251; published Oct. 20, 1925.
Candy. Bunte Brothers. 207,335; Dec. 29; Serial No. 217,757; published Oct. 6, 1925.
Candy. D. L. Clark Co. 207,376; Dec. 29; Serial No. 215,735; published Oct. 27, 1925.
Candy. P. Delaney. 207,413; Dec. 29; Serial No. 218,167; published Oct. 27, 1925.
Candy. Sioux Candy Co. 207,332; Dec. 29; Serial No. 215,946; published Oct. 20, 1925.
Candy. Tru-Blu Biscuit Co. 207,307; Dec. 29; Serial No. 219,460; published Oct. 13, 1925.
Candy. H. H. Woods. 207,342; Dec. 29; Serial No. 200,027; published Oct. 6, 1925.
Candy, Chocolate. Voegele & Dinning Company. 207,402; Dec. 29; Serial No. 219,049; published Oct. 27, 1925.
Candy. Mint. Manufacturing Company of America. 52,075; renewed May 1, 1926.
Candy. Mint. A. P. Richardson. 44,827; renewed July 25, 1925.
Candy. Mint. A. P. Richardson. 45,034; renewed Aug. 1, 1925.
Candy. Plaited cream mint and other. A. P. Richardson. 45,033; renewed Aug. 1, 1925.
Canned caviar. Russian American Fish Products Corporation. 207,367; Dec. 29; Serial No. 206,922; published Oct. 27, 1925.
Canned corn. Rossville Packing Co. 207,336; Dec. 29; Serial No. 218,207; published Oct. 20, 1925.
Canned corn, peas, and tomatoes. J. B. Russell. 207,435; Dec. 29.
Canned fruits. F. E. Booth Co. 207,379; Dec. 29; Serial No. 216,870; published Oct. 27, 1925.
Canned fruits and vegetables. J. E. Kriete. 51,080; renewed Apr. 3, 1926.
Canned peas. Staub-Richardson Company. 207,396; Dec. 29; Serial No. 219,916; published Oct. 27, 1925.
Canned peas, kraut, and beans. Blair Canning Co. 207,375; Dec. 29; Serial No. 215,678; published Oct. 27, 1925.
Canned sardines and cheese. Iwan Burger, Inc. 207,290; Dec. 29; Serial No. 209,526; published Oct. 13, 1925.
Canned tamales. M. J. Klein. 207,407; Dec. 29; Serial No. 218,764; published Oct. 27, 1925.
Celery for flavoring foods, cloves, celery seed, etc. Essence of. Van Antwerp's Drug Corp. Inc. 207,424; Dec. 29.
Chocolate. Runkel Brothers, Incorporated. 52,044; renewed May 1, 1926.
Chocolate preparation. Cream of Chocolate Company of America. 207,305; Dec. 29; Serial No. 219,061; published Oct. 27, 1925.
Chop suey, Chicken. Law Canning Company. 207,377; Dec. 29; Serial No. 216,551; published Oct. 27, 1925.
Cocoa. Runkel Brothers, Incorporated. 52,043; renewed May 1, 1926.
Coffee. Crescent Manufacturing Co. 49,069; renewed Jan. 23, 1926.
Coffee. Goyer Company. 207,366; Dec. 29; Serial No. 204,096; published Oct. 27, 1925.
Coffee. Independence Coffee & Spice Co. 207,408; Dec. 29; Serial No. 218,644; published Oct. 27, 1925.
Coffee and tea. F. C. Brown & Company. 207,409; Dec. 29; Serial No. 218,595; published Oct. 27, 1925.
Cranberries. J. J. White. 50,493; renewed Mar. 20, 1926.
Extracts, Flavoring. Crescent Manufacturing Co. 48,499; renewed Jan. 2, 1926.
Flour, Wheat. Collin County Mill & elevator Co. 52,194; renewed May 1, 1926.
Flour, Wheat. Wells Abbott Nieman Company. 51,757; renewed Apr. 24, 1926.
Fruits, Fresh. E. E. Morse. 207,412; Dec. 29; Serial No. 218,885; published Oct. 27, 1925.
Fruits, vegetables, melons, etc., Fresh. C. W. Hooker. 207,328; Dec. 29; Serial No. 212,924; published Oct. 20, 1925.
Gelatin, Prepared. Whitman Grocery Company. 48,295; renewed Dec. 19 1925.
Gum, Chewing. American Chicle Company. 207,372; Dec. 29; Serial No. 213,881; published Oct. 27, 1925.
Gum, Chewing. American Chicle Company. 207,397; Dec. 29; Serial No. 220,058; published Oct. 27, 1925.
Gum, Chewing. National Gum Co. 207,337; Dec. 29; Serial No. 219,679; published Oct. 20, 1925.
Hams, bacon, shoulders, and sausage. Hennebery & Company. 207,415; Dec. 29; Serial No. 219,123; published Oct. 27 1925.
Hams, Smoked. F. A. Ferris & Company. 207,365; Dec. 29; Serial 164,755; published Oct. 27, 1925.
Lozenges. New England Confectionery Co. 50,475; renewed Mar. 20, 1926.
Macaroni, spaghetti, noodles, and vermicelli. Union Macaroni Co. 207,292; Dec. 29; Serial No. 205,965; published Oct. 13, 1925.
Malt extract. E. Scheidt. 207,433; Dec. 29.
Marchpane. Mabo-Werke, G. m. b. H. 207,368; Dec. 29; Serial No. 211,172; published Oct. 27, 1925.



Mayonnaise, Thousand Island, and French dressings, and sandwich spread. Berry & Son. 207,278; Dec. 29; Serial No. 212,589; published Oct. 13, 1925.
Melons and fresh lettuce. Richman & Samuels. 207,331; Dec. 29; Serial No. 214,749; published Oct. 20, 1925.
Oil, Salad. South Texas Cotton Oil Company. 207,316; Dec. 29; Serial No. 218,025; published Oct. 13, 1925.
Olives. C. Gulden. 48,262; renewed Dec. 19, 1925.
Onions, cucumbers, eggplant, and lettuce, Fresh. Alamo Packing Co. 207,326; Dec. 29; Serial No. 212,224; published Oct. 20, 1925.
Oranges, lemons, and grapefruit. Central Lemon Association. 207,333; Dec. 29; Serial No. 216,879; published Oct. 20, 1925.
Oranges, lemons, and grapefruit. Escondido Fruit Growers Association. 207,279; Dec. 29; Serial No. 213,776; published Oct. 27, 1925.
Oranges, lemons, cantaloupes, etc. Jos. Gentile Company. 207,280; Dec. 29; Serial No. 193,586; published Sept. 1, 1925.
Oranges, lemons, grapefruit, fresh grapes, melons, and fresh vegetables. Osborne Fruit & Vegetable Co. 207,395; Dec. 29; Serial No. 219,838; published Oct. 27, 1925.
Pie fillings. H. A. Johnson & Co. 47,273; renewed Oct. 31, 1925.
Pineapples. Palo Alto Orchards Company. 207,324; Dec. 29; Serial No. 178,668; published Jan. 27, 1925.
Prunes, Dried. Rosenberg Bros. & Co. 207,371; Dec. 29; Serial No. 212,296; published Oct. 27, 1925.
Salad dressing, edible oils. R. Wilke. 207,289; Dec. 29; Serial No. 211,643; published Oct. 13, 1925.
Sausage, ham, pork loins, bacon, and pork shoulders. J. R. Stetson, jr. 207,373; Dec. 29; Serial No. 214,630; published Oct. 27, 1925.
Sirup, Cane. New Orleans Coffee Co. 207,320; Dec. 29; Serial No. 215,701; published Oct. 13, 1925.
Sirup, Malt. K. B. Malt Co. 207,300; Dec. 29; Serial No. 218,760; published Oct. 13, 1925.
Sirup, Malt. K. B. Malt Co. 207,301; Dec. 29; Serial No. 218,762; published Oct. 13, 1925.
Sirup, Malt. E. D. Rosenstein. 207,283; Dec. 29; Serial No. 215,655; published Oct. 13, 1925.
Sirups, Chocolate. H. B. Hunter. 207,296; Dec. 29; Serial No. 217,400; published Oct. 13, 1925.
Tapioca, Prepared. Whitman Grocery Company. 48,387; renewed Dec. 26 1925.
Tea and coffee. Delano, Potter & Co. 207,339; Dec. 29; Serial No. 219,531; published Oct. 20, 1925.
Vinegar, Spirit. Chas. E. Meyer & Co. 50,262; renewed Mar. 6, 1926.

CLASS 48.

Beverages and malt tonic, Malt. McAvoy Company. 207,378; Dec. 29; Serial No. 216,554; published Oct. 20, 1925.
Malt-extract sirup. J. Macauley. 207,340; Dec. 29; Serial No. 151,326; published May 9, 1922.
Malt extracts. M. Peter. 207,406; Dec. 29; Serial No. 218,871; published Oct. 20, 1925.
Malt sirup. Fidelity Hop & Malt Company. 207,369; Dec. 29; Serial No. 211,581; published Oct. 27, 1925.
Malt sirup. Fidelity Hop and Malt Company. 207,370; Dec. 29; Serial No. 211,583; published Oct. 27, 1925.
Malt sirup. M. Mazer. 207,417–18; Dec. 29; Serial Nos. 217,888–9; published Oct. 20, 1925.

CLASS 50.

Flags and banners. United Society of Christian Endeavor. 47,816; renewed Nov. 21, 1925.

## ALPHABETICAL LIST OF LABELS.

A Suggestion. For Toilet Tissue. Hoberg Paper & Fibre Company. 29,720; Dec. 29.
Bendix Brakes. For Brakes. Bendix Corporation. 29,704; Dec. 29.
Betty. For Canned Peas. O. Stephens. 29,734; Dec. 29.
Brandes Audio Transformer. For Audio-Frequency Transformers. Brandes Products Corporation. 29,705; Dec. 29.
Brandes Cabinet Unit. For Cabinet-Type Radioreproducers. Brandes Products Corporation. 29,707; Dec. 29.
Brandes Phonograph Attachment. For Phonograph Attachments for Radio Receiving Apparatus. Brandes Products Corporation. 29,706; Dec. 29.
C. R. A. Sky-Sweeper Radio Tube. For Electron Tubes. Charles R. Ablett Co. 29,703; Dec. 29.
Comet Rice. For Rice. Seaboard Rice Milling Co. 29,733; Dec. 29.
Court. For Pears. B. B. Green. 29,718; Dec. 29.
Dr. Whites Regulator. For Medicine for the Relief of Constipation. First National Laboratories Inc. 29,716; Dec. 29.
Draper's Tom Thumb Brand. For Baby Lima Beans. H. C. Draper. 29,713; Dec. 29.
Edmoore Demand Limitator. For Demand Limitators. E. T. Moore. 29,726; Dec. 29.
Gold-Olive. For Shampoo for the Hair. A. J. Krank. 29,724; Dec. 29.
Home of Ramona. For Oranges. Piru Citrus Association. 29,732; Dec. 29.
Jackie Coogan Series. For Phonograph Records. David Grimes Radio and Cameo Record Corporation. 29,710; Dec. 29.
King Cole. For Canned Peas. H. C. Draper. 29,712; Dec. 29.
Liqueur & Coffee. For Liqueur and Coffee. R. Drysdale & Co. 29,714; Dec. 29.
Malt Extract. For Malt Extract. E. O. Tusch. 29,736; Dec. 29.
Metropolitan Juvenile Clothing Co. Inc. For Clothing. Metropolitan Juvenile Clothing Co. 29,725; Dec. 29.
Musick Wonder Remedy. For a Medicinal Preparation. H. L. Musick. 29,727; Dec. 29.
Naborhood. For Coffee. Keystone Grocery & Tea Co. 29,723; Dec. 29.
National Fruit Chews. For Chewing Gum. National Gum Co. 29,728; Dec. 29.
Odontocream A Dental Prophylactic Cream. For a Dental Prophylactic Cream. Interstate Dental Trading Co. 29,721; Dec. 29.
Old Mission Paints & Varnishes. For Paints and Varnishes. Stockton Paint Company. 29,735; Dec. 29.
Peach Blossoms. For Candy. New England Confectionery Company. 29,729; Dec. 29.
Penns Long Cut Smoking and Chewing Tobacco. For Tobacco. Penn Tobacco Company. 29,730; Dec. 29.
Pik-Pik. For Ice Picks. Fletcher Works, Incorporated. 29,717; Dec. 29.
R L C. For Canned Minced Sea Clams. R. L. Craig & Co. 29,709; Dec. 29.
Royal Orchard. For Fresh Pears. B. B. Green. 29,719; Dec. 29.
Rum & Coffee. For Rum and Coffee. R. Drysdale & Co. 29,715; Dec. 29.
Saserac-Cap. For Ginger Ale. Jackson Brewing Company. 29,722; Dec. 29.
Try-Sum. For Oranges. Piru Citrus Association. 29,731; Dec. 29.
Uncle Wiggily and Cameo-Kid Records for Children. For Phonograph Records. Cameo Record Corporation. 29,708; Dec. 29.
White Rose. For Liquid Clothes Cleaner. White Rose Manufacturing Co. 29,737; Dec. 29.
Witch Hazel. For Bottled Witch-Hazel. E. E. Dickinson Co. 29,711; Dec. 29.

## ALPHABETICAL LIST OF PRINTS.

A Statement to Mothers by the U. S. Bureau of Education. For Wheat Breakfast Food. Cream of Wheat Co. 8,479; Dec. 29.
Its simple form is easily handled by the most delicate digestion. For Wheat Breakfast Food. Cream of Wheat Co. 8,480; Dec. 29.
Keystone Stores. For Milk, Pineapple, Coffee, Etc. Keystone Grocery & Tea Company. 8,481; Dec. 29.
Saint Valentine's Day. For Groceries. Reid, Murdoch & Co. 8,482; Dec. 29.
The Right Angle. For Novelties, Such as Blotters, Fountain Pens, and Paper Weights. C. Walsh. 8,484; Dec. 29.
The Ten Ton Type. For Cattle. F. W. A. Vesper. 8,483; Dec. 29.

# CLASSIFIED LIST OF TRADE-MARK TITLES.

**PUBLISHED FOR OPPOSITION.**

**[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]**

### CLASS 1.

Coal. Blue Beaver Coal Co. 188,358; Dec. 29.
Coal. Easterbrook Coal Company. 222,603; Dec. 29.
Coal. Hart Coal Corporation. 221,661-2; Dec. 29.
Fabric, Fiber woven. Universal Willow & Reed Ware Company. 216,700; Dec. 29.
Hæmatite, magnetite, and ground iron ores, Ground. Pfaltz & Bauer, Inc. 221,335; Dec. 29.
Leather, Sole. Walker Limited. 217,841; Dec. 29.
Nursery stock. W. H. Wyman & Son. 219,264; Dec. 29.

### CLASS 3.

Bags, Traveling. Max Damm Company. 222,079; Dec. 29.
Reticules and hand bags. H. Margolin & Co. 217,473; Dec. 29.

### CLASS 4.

Soap. Palmolive Company. 221,136; Dec. 29.
Soap, Toilet. Lentheric, Inc. 215,989; Dec. 29.
Soaps and preparations for laundry uses. "Proka" Parfumerie- und Seifenfabriks A. G. 220,038; Dec. 29.

### CLASS 6.

Baking powder. Jonathan Levi Co. Inc. 223,038; Dec. 29.
Battery compound. International Radiolite Company. 223,036; Dec. 29.
Cod-liver oil and emulsions thereof. Tallby-Nason Co. 223,206; Dec. 29.
Cod-liver-oil preparation. B. Abbey. 223,154; Dec. 29.
Creams for the skin. C. Jones. 219,746; Dec. 29.
Creams, perfumes, and toilet waters, Face. C. Nielsen. 221,374; Dec. 29.
Germicides, disinfectants, and deodorizers. L. H. Guard. 222,745; Dec. 29.
Hair pomades. W. A. Stone. 223,202; Dec. 29.
Insecticide. Southern Products Company. 219,091; Dec. 29.
Insecticides. L. H. Guard. 222,746; Dec. 29.
Laxative. William R. Warner & Co. 223,109; Dec. 29.
Lotion for the head and face. Bonheur Company. 222,106; Dec. 29.
Medicine. Blud Life Company. 221,942; Dec. 29.
Ointment, Healing. T. Sladek. 222,999; Dec. 29.
Perfume, toilet water, face powder, etc. Lubin, Inc. 222,752; Dec. 29.
Perfumes, face powder, crystal bath salts, etc. Eugene Rimmel, Limited. 223,141; Dec. 29.
Perfumes, toilet waters, face and talcum powder, and creams. La Salle Company. 220,785; Dec. 29.
Pharmaceutical preparation for the treatment of toxic conditions. A. M. C. Trust. 223,153; Dec. 29.
Powder, Foot. L. J. Crosby. 218,473; Dec. 29.
Powder, Perfumed face. Parfumerie Monpelas Steinfels Frères & Co. 210,005; Dec. 29.
Preparation for pyorrhea. Radium Remedies Company. 213,146; Dec. 29.
Preparation for the treatment of asthma, hay fever, and respiratory organs. M. A. Mansfield. 223,246; Dec. 29.
Preparation for the treatment of kidneys, liver, urinary organs, and rheumatism. M. A. Mansfield. 223,245; Dec. 29.
Preparations for the relief of cold feet and abnormal foot transpiration. G. Engelhardt. 223,118; Dec. 29.
Preservative, Metal. Adirondack Mineral Co. 223,499; Dec. 29.
Prophylactic, Goiter. Miller-Crane Co. 223,247; Dec. 29.
Prophylactic substance, Liquid. Pharmacia Gyógyszer Vegyészeti Gyar, Gyógyárunagykereskedés, R. T. 208,479; Dec. 29.
Remedy for corns and bunions, and foot bath tablets. Hi-Gene Co. 222,379; Dec. 29.
Starch. A. E. Staley Manufacturing Company. 219,855; Dec. 29.
Starch. A. E. Staley Manufacturing Company. 219,857; Dec. 29.
Tablets, Cold. C. S. Lincoln. 218,856; Dec. 29.
Tablets, Medicinal. Velmo Medicine Company. 220,983; Dec. 29.
Tooth paste. Clarence K. Reiman and Walter Curtis Miner. 222,626; Dec. 29.

### CLASS 9.

Matches. Lagerloep Trading Company. 218,706; Dec. 29.

### CLASS 10.

Fertilizers. C. A. Rickert. 221,851; Dec. 29.
Fertilizers. Southern Fertilizer & Chemical Company. 221,979; Dec. 29.

### CLASS 11.

Inks and inking materials. Rapid Addressing Machine Company. 222,401; Dec. 29.



### CLASS 12.

Asphalt. R. B. Tyler Company. 221,521; Dec. 29.
Brick, Fire. Acme Brick Company. 222,589; Dec. 29.
Cement. Manitowoc Portland Cement Company. 221,972; Dec. 29.
Concrete stepping stones and blocks. Hakon Products Company. 221,115; Dec. 29.
Shingles, Wood. United Mills Ltd. 210,258; Dec. 29.
Window construction, Store-. New York Metal Store Fronts Co. 217,286; Dec. 29.

### CLASS 13.

Bathroom and kitchen accessories. J. H. Balmer Company. 221,159; Dec. 29.
Chain and parts. Link-Belt Company. 217,472; Dec. 29.
Curtain hardware. John Kroder & Henry Reubel Co. 220,906; Dec. 29.
Curtain holdbacks. F. A. Cokefair. 222,307; Dec. 29.
Seat unions, Ground-joint malleable-iron bronze. Star Manufacturing Company. 222,350; Dec. 29.
Trays. Crescent Washing Machine Company. 220,643; Dec. 29.

### CLASS 14.

Rails, clamps, step joints, tie plates, etc., Guard. Track Specialties Company. 221,520; Dec. 29.
Rust-resisting anticorrosive metal and iron and steel bars, slabs, etc. United Alloy Steel Corporation. 220,485; Dec. 29.

### CLASS 15.

Candles. R. B. Lawrence. 222,129; Dec. 29.
Oil compound of petroleum product. Standard Oil Company. 222,714; Dec. 29.
Oils and greases, Lubricating. L. E. Baker. 220,882; Dec. 29.
Oils made from petroleum. Humble Oil & Refining Company. 222,679; Dec. 29.

### CLASS 16.

Cement preparations for coating metals and other surfaces. Toch Brothers, Incorporated. 221,519; Dec. 29.
Lacquers, lacquer enamels, thinners, etc. Royalin Flexible Lacquer Company. 220,324; Dec. 29.
Oil colors, turkey red, lampblack, etc. Souder Company. 218,200; Dec. 29.
Paint, Ready-mixed. Gilbert Spruance Company. 222,840; Dec. 29.
Paints and paint enamels, Ready-mixed. J. Soltz. 222,285; Dec. 29.
Paints, Ready-mixed. Peaslee-Gaulbert Co. 206,025; Dec. 29.
Surfacers in paste form. C. Schrack & Co. 222,767; Dec. 29.

### CLASS 19.

Automobile radiators and radiator cores. Tyree Auto Radiator Mfg. Co. 216,000; Dec. 29.
Busses, trucks, and chassis therefor. International Motor Company. 204,773; Dec. 29.
Carriages, Baby. Kaufmann Department Stores, Inc. 222,182; Dec. 29.
Conveyers. Perin-Walsh Company. 220,617; Dec. 29.
Shock absorbers for motor vehicles. Gemco Manufacturing Company. 222,787; Dec. 29.

### CLASS 20.

Floor covering. Cott-A-Lap Company. 220,641; Dec. 29.

### CLASS 21.

Alarms and signal devices, Electrical. Koko Signal System Incorporated. 218,818; Dec. 29.
Annunciators. Elevator Supplies Co. 220,648; Dec. 29.
Brushes. National Carbon Company. 221,275; Dec. 29.
Electric motors, solenoids, and switches, cut-outs, circuit breakers, etc. Duro Pump and Manufacturing Company. 220,507; Dec. 29.
Electromagnetically recording and reproducing sound, Machines for. Record-O-Phone Company. 205,837; Dec. 29.
Flush plates and convenience openings. Reeves Engineering Corporation. 222,144; Dec. 29.
Fuses, fuse switches, and disconnecting switches. Superpower. Royal Electric Mfg. Co. 217,636; Dec. 29.
Head phones, earpieces, detectors, etc. Ideal Radiotelefon- & Apparate-Fabrik G. m. b. H. (Verkaufsburo). 216,725; Dec. 29.
Insulation. Laminated fabricated material for electrical. National Vulcanized Fibre Co. 216,280; Dec. 29.
Lamps for electric plugs, etc., Electric signal. Harvey Hubell, Incorporated. 198,238; Dec. 29.
Lights and systems of lights and semaphores, door motors, etc., Electrical safety signaling. National Pneumatic Company. 213,722; Dec. 29.



Radio products. Brunswick-Balke-Collender Company. 209,460; Dec. 29.
Radio receiving equipment. Federal Radio Corporation. 220,402; Dec. 29.
Radio receiving sets. Automatic Radio Corporation of America. 208,739; Dec. 29.
Radio receiving sets, aerial equipment, loud speakers, etc. Electrical Research Laboratories, Inc. 222,171; Dec. 29.
Radio receiving sets and parts thereof. Hallock & Watson Radio Corporation. 218,173; Dec. 29.
Radio receiving sets and parts thereof. A. T. Hanscom. 211,208; Dec. 29.
Radio receiving sets and parts thereof. Northwestern Radio Mfg. Company. 213,098; Dec. 29.
Radio sets and parts thereof. Plaza Music Co. 219,451; Dec. 29.
Radio vacuum tubes. Paxton and Gallagher Co. 222,629; Dec. 29.
Signs, Electrical display. J. Kollath. 209,990; Dec. 29.
Taps, Convenience. Reynolds Spring Company. 222,145; Dec. 29.
Transformers, Audiofrequency. W. H. Dudley. 206,726; Dec. 29.
Vacuum tubes and valves. Radio Corporation of America. 220,869; Dec. 29.
Vacuum tubes and valves. Radio Corporation of America. 220,872; Dec. 29.

### CLASS 22.

Golf clubs. Crawford, McGregor & Canby Company. 171,626; Dec. 29.

### CLASS 23.

Hair clippers, clipper plates and blades, and repair parts. John Oster Manufacturing Company. 223,185; Dec. 29.
Ice picks. Fletcher Works, Incorporated. 223,290; Dec. 29.
Lawn mowers, Power. Frank Held Tractor Co. 223,232; Dec. 29.
Machines for the manufacture of shoes and uppers, leather-ranging machines, etc. Maschinenfabrik Moenus A.-G. 217,722; Dec. 29.
Pumps, Vacuum. Central Scientific Company. 223,461; Dec. 29.
Vending machines, Automatic. Dime Automatic Co. 222,830; Dec. 29.

### CLASS 26.

Electrical supervision of water-flow-alarm valves, of pressure and gravity tanks, etc., System of. U. S. E. M. Company. 220,297; Dec. 29.
Scale weights, gauge tubing, scale parts, etc. Chemical Treatment Company. 219,807; Dec. 29.
Spoons, Dosage. H. D. Morgan. 210,397; Dec. 29.
Testing apparatus for treatment by electronic reactions, Devices for. V. Gillmore. 188,203; Dec. 29.
Tracer for tracing the outline of an object. C. W. Archer Shoe Co. 208,217; Dec. 29.

### CLASS 27.

Watchcases. Dueber-Hampden Watch Company. 209,725; Dec. 29.

### CLASS 28.

Cocktail shakers and beverage mixers, Silver-plated bottle-shaped. Homan Manufacturing Company. 215,693; Dec. 29.
Collar clips, tie holders, and garter clasps. S. L. Gedney. 220,452; Dec. 29.
Earrings. P. & A. Linton Co. 220,856; Dec. 29.
Flatware, tableware, hollow ware, and cutlery. Oneida Community Limited. 220,462; Dec. 29.

### CLASS 31.

Refrigerating apparatus. B. P. Tracy. 219,093; Dec. 29.

### CLASS 32.

Bedsteads, cots, cribs, and couches. Simmons Company. 219,500; Dec. 29.
Pictures, phonographs, and the like, Frames for. California Card Manufacturing Co. 219,576; Dec. 29.

### CLASS 33.

Glass, Wire. Mississippi Wire Glass Company. 222,696. Dec. 29.

### CLASS 34.

Carburizing boxes, radiator shells, heat registers, stove parts, etc. Chemical Treatment Company. 219,810; Dec. 29.
Radiator cupboards and closets. D. W. Day. 214,588; Dec. 29.
Ventilators, Window and roof. W. B. Gilbert. 222,504; Dec. 29.

### CLASS 35.

Tires, Rubber vehicle. B. F. Goodrich Company. 222,673; Dec. 29.

### CLASS 36.

Accordions, Pianos, Zithers, etc. A. Burdwise. 218,114; Dec. 29.

Resonators. Welda Ware Products Company. 211,642; Dec. 29.

### CLASS 37.

Binders, Loose-leaf. Bingham Company. 203,933; Dec. 29.
Books, albums, portfolios, etc., Blank. D. C. Miles. 217,681; Dec. 29.
Checks, letterheads, check books, etc. J. C. Hall Company. 219,181; Dec. 29.
Paper, Crêpe. Tuttle Press Company. 218,884; Dec. 29.

### CLASS 38.

Bulletin or journal issued monthly. Converters' Association. 221,695; Dec. 29.
Cards, folders, and booklets, Greeting, post, and picture. Baker Brothers. 222,800; Dec. 29.
Cartoons in newspaper articles, Title for. Public Ledger Company. 223,050; Dec. 29.
Journal, Monthly trade. Ware Bros. Company. 222,531; Dec. 29.
Magazine, Monthly. American Fruits Publishing Company. 221,155; Dec. 29.
Magazine, Monthly. Morgan Company. 222,861; Dec. 29.
Magazine, Monthly. New England Poultryman Publishing Co. 222,337; Dec. 29.
Magazine published periodically. Simmons-Boardman Publishing Co. 222,198; Dec. 29.
Magazine, Section of a. S. J. Wolf. 201,637; Dec. 29.
Newspaper feature articles. Famous Features Syndicate, Inc. 217,454; Dec. 29.
Newspaper feature articles. Famous Features Syndicate, Inc. 222,378; Dec. 29.
Newspaper, House. Prudence-Bonds Corporation. 169,519; Dec. 29.
Periodical, Monthly. Paterson-Mutual Hosiery Mills, Inc. 223,321; Dec. 29.
Periodical published weekly. Wall Street Financial Bureau, Inc. 220,265; Dec. 29.
Plans, copy, sketches, drawings, printed signs, etc. Stevens & Wallis, (Incorporated). 179,234; Dec. 29.

### CLASS 39.

Boots and Shoes. Thomas & Company. 223,107; Dec. 29.
Boots and Shoes, rubber overshoes, canvas shoes, etc., Rubber. Hood Rubber Company. 220,129; Dec. 29.
Boots, shoes, and overshoes, and rubber-sole canvas shoes, Rubber. Hood Rubber Company. 219,333; Dec. 29.
Boots, shoes, and overshoes, and rubber-sole canvas shoes, Rubber. Hood Rubber Company. 219,336; Dec. 29.
Caps. Long's Hat Store. 216,108-9; Dec. 29.
Costumes, Ladies' and misses'. Ohrbach's Affiliated Stores Inc. 211,423; Dec. 29.
Dress suits and overcoats, Men's. University Shop. 218,030; Dec. 29.
Dresses. Louis Kraus & Sydney Shreero Inc. 222,849; Dec. 29.
Dresses, coats, and suits. P. Golinko. 223,167; Dec. 29.
Dresses, Ladies' and misses'. Bijou Dress Co. 222,595; Dec. 29.
Gloves and mittens. Boss Manufacturing Company. 221,802; Dec. 29.
Gloves, mittens, and gauntlets, Work. M. B. Hamilton & Co. 223,512; Dec. 29.
Jackets, vests, coats, and sweaters, Knitted. Grushlaw and Sichel. 222,114; Dec. 29.
Overalls, jumpers, work pants, etc. Isbell-Kent1Oakes Dry Goods Company. 216,047; Dec. 29.
Overcoats. J. & J. C. Dorward Limited. 220,598; Dec. 29.
Shirts, Dress and negligee. Lustberg, Nast & Co. 206,487; Dec. 29.
Shirts, Men's negligee outing. Brownstein-Louis Company. 218,388; Dec. 29.
Shirts, nightgowns, and pyjamas. Brownstein-Louis Company. 219,874; Dec. 29.
Shirts, suits, overcoats, hats, underwear, socks, etc. Brokaw Brothers. 221,476; Dec. 29.
Shoes. Haynes-Henson Shoe Company. 222,457; Dec. 29.
Shoes, Leather. C. W. Archer Shoe Co. 218,153; Dec. 29.
Shoes, Misses' and children's. Wm. H. Walker & Co. 220,584; Dec. 29.
Sweatbands. Harris & Tipograph, Inc. 219,965; Dec. 29.
Topcoats and overcoats, Men's. J. Siegel. 222,410; Dec. 29.
Underwear, Women's. Brown & Singerman, Inc. 222,367; Dec. 29.

### CLASS 42.

Cotton piece goods. Lancaster Mills. 222,827; Dec. 29.
Cotton piece goods. J. L. Stifel & Sons. 215,713; Dec. 29.
Cotton piece goods. J. L. Stifel & Sons. 215,760; Dec. 29.
Cotton, silk, and linen and mixtures of the same piece goods. Jacob Miller's Sons Co. 222,381; Dec. 29.
Cotton, silk, and woolen and combinations of the same piece goods. Hyman Bauman Co. 222,256; Dec. 29.
Cotton, wool, silk, and mixtures fabrics. Brownstein-Louis Company. 219,875; Dec. 29.
Crêpe with a satin edge, Rayon-filled cotton. Nathan & Cohen Co. 219,444; Dec. 29.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ornamentation simulating beaded design on cotton, silk, artificial silk, etc. Bakelite Corporation. 221,590; Dec. 29.
Ornamentation simulating beaded designs on cotton, silk, etc. Bakelite Corporation. 222,151; Dec. 29.
Padding, table pads, and bed pads, Knitted cotton. Knitted Padding Company. 223,096–7; Dec. 29.
Silk textiles piece goods. F. E. Donaldson. 221,411; Dec. 29.
Silks in the piece, Broad. Schwarzenbach Huber Co. 203,696; Dec. 29.
Suitings and ginghams, Cotton. C. M. Guggenheimer, Inc. 185,295; Dec. 29.
Tapestry, pictures, or hangings woven of textile fabrics. La France Art Company. 206,626; Dec. 29.
Textile blankets. Esmond Mills. 223,222–3; Dec. 29.
Textile fabrics, Worsted and woolen. Holden-Leonard Co. 223,234–5; Dec. 29.
Textile fabrics, Worsted and woolen. Holden-Leonard Co. 223,237; Dec. 29.
Towels, terry cloths, Turkish face cloths, etc., Turkish. E. M. Hill. 213,709; Dec. 29.
Wool, silk, and cotton piece goods. Haas Brothers Fabrics Corporation. 221,419; Dec. 29.
Woolen piece goods. Rittenberg Bros. 220,143; Dec. 29.
Worsted and woolen textile fabrics. Holden-Leonard Co. 223,239–41; Dec. 29.

CLASS 43.

Repair outfit for mending stockings, etc. Pepperell Braiding Company. 221,202; Dec. 29.
Silk threads and yarns, Artificial-. Tubize Artificial Silk Company of America. 223,495; Dec. 29.
Yarns. Marshall Field & Co. 221,955; Dec. 29.

CLASS 45.

Beverages and sirups for making the same. John Graf Co. 223,385; Dec. 29.
Beverages sold as soft drinks and sirups used in making the same. Mount Hood Mnfg. Co. 222,570; Dec. 29.
Ginger ale, root beer, etc. Golden Dome Bottling Co. 223,436; Dec. 29.
Grape juice. H. I. Hillman. 222,242; Dec. 29.

CLASS 46.

Asparagus, Fresh. Wright Corporation. 215,226; Dec. 29.
Bacon, ham, cooked vinegar-pickled hearts, lard, etc. Geo. A. Hormel & Co. 203,816–17; Dec. 29.
Biscuit, crackers, cakes, and wafers. National Biscuit Company. 222,627; Dec. 29.
Biscuits. Bicklepegs Limited. 222,779; Dec. 29.
Cakes. Barna Company. 205,674; Dec. 29.
Candy. Loomis-Woodward Company. 222,854; Dec. 29.
Canned salmon. Emel Packing Company. 223,378; Dec. 29.
Canned vegetables. Francis H. Leggett & Company. 217,163; Dec. 29.
Canned white cherries, pitted red cherries, blueberries, asparagus, etc. Foley Bros. Grocery Co. 220,514; Dec. 29.
Cheese. Gerber & Co. A. G. 222,112; Dec. 29.
Cherries, Fresh. Reynolds Preserving Company. 219,204; Dec. 29.
Coffee. L. H. Parke Company. 221,025; Dec. 29.
Coffee. Woolson Spice Company. 221,468; Dec. 29.
Flour. A. B. Katzin. 221,617; Dec. 29.
Flour, Wheat. H. G. Hill Company. 222,748; Dec. 29.
Flour, Wheat. Kansas Flour Mills Company. 219,245; Dec. 29.
Foods, Prepared and canned, etc. Great Atlantic & Pacific Tea Company. 202,496; Dec. 29.
Fruits, Preserved. Industria Marmellate e Conserve Alimentari. 205,121–2; Dec. 29.
Ham, bacon, sausage, smoked, pickled, and cured meats, and cheese. Del Monte Properties Company. 220,113; Dec. 29.
Honey. W. Atchley. 222,810; Dec. 29.
Icing powder, White. International Company. 223,035; Malt sirup and extract of barley malt. General Malt Sales Co. 211,351; Dec. 29.
Milk, cream, butter, cheese, and eggs. Wise Brothers. 221,651; Dec. 29.
Milk, cream, cheese, and eggs. Wise Brothers. 221,653; Dec. 29.
Oil, Olive. A. F. Beckmann & Company. 171,567; Dec. 29.
Oranges, lemons, and grapefruit. C. D. Hubbard Fruit Co. 222,248; Dec. 29.
Oranges, lemons, and grapefruit. C. D. Hubbard Fruit Co. 222,252; Dec. 29.
Potatoes, Fresh. P. T. Cheerco. 219,577; Dec. 29.
Sirup, Raisin. Sun-Maid Raisin Growers of California. 222,803; Dec. 29.
Spices. Joseph Burnett Company. 222,032; Dec. 29.
Spices. J. K. Laudenslager, Inc. 222,750; Dec. 29.
Tea. National Grocery Company. 218,824; Dec. 29.

CLASS 50.

Banners, flags, pennants, emblem buttons, etc. D. B. Harris. 220,655; Dec. 29.
Bottles and other containers, Caps or closure devices for. Owens Bottle Company. 213,665; Dec. 29.
Composite material consisting of fibrous material and a condensation-product binder. Fibroc Insulation Company. 213,291; Dec. 29.

# ALPHABETICAL LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 29TH DAY OF DECEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbott, George H., assignor to Woodruff & Edwards Co., Elgin, Ill. Furniture. 1,567,886; Dec. 29.
Abbotts Alderney Dairies Incorporated. (See Iepson, Henry, assignor.)
Ackerman, Albert C., Ballston Spa, N. Y. Die for making glove blanks. 1,567,887; Dec. 29.
Adams, Joseph H., Brooklyn, N. Y. Converting hydrocarbon oils. 1,568,016; Dec. 29.
Advance Automobile Accessories Corp. (See Nilson, Nils W., assignor.)
Advance Electric Lighting Fixture Manufacturing Company et al. (See Michelotti, Louis, assignor.)
Aeromarine Plane & Motor Company. (See Zimmermann, Paul G., assignor.)
Aktiebolaget Calculus. (See Reissner, Alexander, assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Hultgren, A. G. E., and Thoren, assignors.)
Aktieselskabet Nielsen & Winther. (See Baagge, Anthon J., assignor.)
Aladdin Industries, Limited. (See Brynda, W. F., and Pollak, assignors.)
Albert, Walter P., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Controlling system. 1,567,223; Dec. 29.
Alexander, James D., Norfolk, Va., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Washington-machine valve. 1,567,692; Dec. 29.
Allebaugh, Flossie G., Nederland, Colo. Table ornament. Des. 69,106; Dec. 29.
Allen, Edward J. and G. A., Merced, Calif. Mower-sickle-bar attachment. 1,567,780; Dec. 29.
Allen Engineering and Manufacturing Company, The. (See Allen, G. L., and Thompson, assignors.)
Allen, George A. (See Allen, Edward J. and G. A.)
Allen, George L., and R. C. Thompson, assignors to The Allen Engineering and Manufacturing Company, Savannah, Ga. Cleaning machine. 1,567,693; Dec. 29.
Allison, Oliver J., New Orleans, La. Automobile tire tool. 1,567,025; Dec. 29.
Alsofrom, Murray. (See D'Arino, A., and Alsofrom.)
Alsruhe, Urban S., Towson, Md. Operating mechanism for slide valves. 1,567,988; Dec. 29.
Ambrose, Warren D., Nacogdoches, Tex. Liquid-vending machine. 1,567,888; Dec. 29.
American Aluminum Ware Co. (See Brucker, Henry, assignor.)
American Brake Shoe & Foundry Company, The. (See Nelson, Albert, assignor.)
American Cast Iron Pipe Company. (See Moore, W. D., and Beatty, assignors.)
American Flyer Manufacturing Company. (See Becker, Harry S., assignor.)
American Laundry Machinery Company, The. (See Alexander, James D., assignor.)
American Laundry Machinery Company, The. (See Carroll, Emil J., assignor.)
American Sharpening Machine Company. (See McClelland, John L., assignor.)
American Smelting and Refining Company. (See Labbe, Armand L., assignor.)
American Steel Foundries. (See Whitney, Loren L., assignor.)
American Steel Products Co. (See Gaddis, Hugh L., assignor.)
American Telephone and Telegraph Company. (See Fetter, Charles H., assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Stone, John S., assignor.)
American Telephone and Telegraph Company. (See Toomey, J. F., and Phelps, assignors.)
American Telephone and Telegraph Company. (See Toomey, John F., assignor.)
American Wiremold Company, The. (See Fredericksen, Otto A., assignor.)
Amrin, Ben A., Bucoda, Wash. Tackle block. 1,567,694; Dec. 29.
Anaconda Sales Company. (See Gillis, Julius H., assignor.)
Andersen, Carl, L. Christiansen, L. Flodin, and A. Flodin, Copenhagen, Denmark. Tramway rail. 1,567,889; Dec. 29.
Anderson, Alasta, Troy, Ohio. Self-winding means for shade rollers. 1,567,095; Dec. 29.
Anderson, Bernhard. (See Warberg, R. M., and Anderson.)
Anderson, Elmer E., La Grande, Oreg. Egg-dipping machine. 1,567,563; Dec. 29.
Anderson, Frank. (See Warberg, R. M., and Anderson.)
Anderson, Kie, et al. (See Chandler, Frank M., assignor.)
Anderton, Charles E., jr., Milwaukee, Wis., assignor to Walton Duplex Company, Chicago, Ill. Reversible shirt. 1,567,096; Dec. 29.
Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Backrest. 1,567,695; Dec. 29.
Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Chairseat. 1,567,696; Dec. 29.
Ansonia O & C Co., The. (See Clauss, George E., assignor.)
Anthony, Alfred R., Fort Pierce, Fla. Fuel burner. 1,567,482; Dec. 29.
Anthony, Anton, Memphis, Tenn. Well fire extinguisher. 1,567,097; Dec. 29.
Antiseptol Liquid Soap Company. (See Lesmann, Herman, assignor.)
Apablasa, Charles C. (See Apablasa, John V., assignor.)
Apablasa, John V., assignor to C. C. Apablasa, Los Angeles, Calif. Filter for reclaiming crank-case oil and other mineral oils and animal fats. 1,567,989; Dec. 29.
Apablasa, John V., San Diego, Calif. Filtering device. 1,567,990; Dec. 29.
Appelbaum, Isaac, Philadelphia, Pa. Blade for fabric-cutting machines. 1,567,098; Dec. 29.
Appelbaum, Isaac, Philadelphia, Pa. Fabric-cutting machine. 1,567,099; Dec. 29.
Arcadia Full Fashioned Hosiery Corporation. (See Miller, George H., assignor.)
Armstrong Cork Company. (See Humphreys, Charles F., assignor.)
Armstrong Cork Company. (See Humphreys, Harry S., assignor.)
Arnn, McKenzie. (See Martin, C. M., and Arnn.)
Art Metal Construction Company. (See Carlson, Clifford G., assignor.)
Askue, Albert R. (See Ober, D. C., and Askue.)
Austin, Gilbert, J. C. Macfarlane, and W. A. Macfarlane, Glasgow, Scotland. Electric generating plant for constant-current systems. 1,567,890; Dec. 29.
Automatic Electric Company. (See Martin, Talbot G., assignor.)
Axelsen, Peter T., Rjukan, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Treating fertilizers. 1,567,408; Dec. 29.
Ayling & Reichert Company, The. (See Manchester, Clyde C., assignor.)
Ayres, Elwood B., Melrose Park, and A. O. Hurxthal, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drier. 1,567,891; Dec. 29.
B. G. Textilwerke G. m. b. H. (See Trenckmann, Erich and B., assignors.)
Baagge, Anthon J., assignor to Aktieselskabet Nielsen & Winther, Copenhagen, Denmark. Weighing implement the deflection of which is made visible or enlarged by optical means. 1,567,224; Dec. 29.
Babcock & Wilcox Company, The. (See Bancel, Paul A., assignor.)
Baber, Kemper W., Richmond, Va. Signal for mail boxes. 1,567,100; Dec. 29.
Backstrom, G. V. (See Brown, Perry, assignor.)
Badische Anilin- & Soda-Fabrik. (See Günther, Fritz, assignor.)
Badische Anilin- & Soda-Fabrik. (See Wietzel, Rudolf, assignor.)
Bailey, Curtis L., assignor to "New Way" Motor Company, Lansing, Mich. Centrifugal governor for gasoline engines. 1,567,101; Dec. 29.
Bakels, William C., Midland Park, N. J. Tool for removing from or applying differential gears to their axles. 1,567,892; Dec. 29.
Baker, Harry R. (See Mudd, Garrett W., assignor.)
Baker, R. & L., Company, The. (See Remde, Edward H., assignor.)
Bakker, Jacobus, Missoula, Mont. Device to prevent an airplane from a tail-spin fall. 1,567,697; Dec. 29.

Balderston, Lloyd, Wilmington, Del., assignor to J. E. Rhoads & Sons, Philadelphia, Pa., and Wilmington, Del. Heddle. 1,567,102; Dec. 29.

Balsam, Maurice M., Brooklyn, assignor of one-half to S. Herman, New York, N. Y. Salt and pepper shaker. 1,567,026; Dec. 29.

Bancel, Paul A., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Crossflow superheater. 1,567,698; Dec. 29.

Banes, Donald V., Kinross, Iowa. Auto chain fastener. 1,567,105; Dec. 29.

Baratta, Fausto, Spezia, Italy. Safety magazine for explosives and ammunitions. 1,567,893; Dec. 29.

Barber Asphalt Company, The. (See Forrest, C. N., and Hayden, assignors.)

Barber, William, New York, N. Y. Combined tire carrier, buffer, and shock absorber. 1,567,781; Dec. 29.

Barbin, Leo L., Berlin, N. H. Nursing-bottle holder. 1,567,225; Dec. 29.

Barcelona, Joseph A., Baton Rouge, La. Receptacle for carbon butts. 1,567,894; Dec. 29.

Barkeij, Jean A. H., Hollywood, Calif. Reversible writing pad. 1,567,895; Dec. 29.

Barlow, Stephen L. (See McIntyre, G. C., and Barlow.)

Barman, Louis M., assignor to Roneo Limited, London, England. Stencil holder or carrier for use with typewriting machines. 1,567,828; Dec. 29.

Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,567,226; Dec. 29.

Basford, Harold R., San Francisco, Calif. Folding table. 1,567,175; Dec. 29.

Bates, Eddo V., Lowell, Mass. Machine for feeding fibrous material. 1,567,896; Dec. 29.

Bauer & Black. (See Rousseau, Frank L., assignor.)

Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Confection-cooling apparatus. 1,567,633; Dec. 29.

Bay State Optical Company. (See Veillette, Alfred, assignor.)

Bear, Francis R., Redlands, Calif. Chalk-line reel. 1,567,483; Dec. 29.

Beard, Herbert A., Rochester, N. H. Portable toilet. 1,567,484; Dec. 29.

Beatty, Douglas. (See Moore, W. D., and Beatty.)

Beckman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Stereotype-plate-casting box. 1,567,897; Dec. 29.

Beck, Carl L. (See Beck, Martin J., and C. L.)

Beck, Martin J. and C. L., St. James, Minn. Switch-operating device. 1,567,104; Dec. 29.

Becker, Harry S., assignor to American Flyer Manufacturing Company, Chicago, Ill. Headlight for toy electric locomotives. 1,567,227; Dec. 29.

Becker, Harry S., assignor to American Flyer Manufacturing Company, Chicago, Ill. Toy-car construction. 1,567,228; Dec. 29.

Becket, Frederick M., New York, N. Y. Making rustless iron and similar alloys. 1,567,898; Dec. 29.

Beecher, Herbert P., Rochester, N. Y. Shipping receptacle. 1,568,033; Dec. 29.

Behounek, Frank A. (See Page, C. D., and Behounek.)

Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Motor vehicle. 1,567,899; Dec. 29.

Bendix Brake Company. (See Bendix, Vincent, assignor.)

Bendix Brake Company. (See Dodge, Adiel Y., assignor.)

Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Braking system. 1,567,699; Dec. 29.

Beneke Manufacturing Company. (See Rayfield, Charles L., assignor.)

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment plug. 1,567,176; Dec. 29.

Bennett, Cornelius V., assignor to The Porcelain Insulator Corporation, Lima, N. Y. Insulator-threading machine. 1,567,027; Dec. 29.

Benz, Firm of Anton. (See Kühn, Ernst, jr., assignor.)

Berdon, Albert E., Detroit, Mich. Condenser. 1,567,409; Dec. 29.

Bergmann, Jean, Wannsee-Berlin, Germany. Calculating device. 1,567,564; Dec. 29.

Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Tool for removing spring supports on axles. 1,567,485; Dec. 29.

Bern, Harry A., Chicago, Ill. Valve grinder. 1,567,782; Dec. 29.

Bernhardt, William E. (See Rectenwald, H. J., and Bernhardt.)

Best, William, Chicago, Ill. Key-chain reel. 1,567,783; Dec. 29.

Bettis, William I., Los Angeles, Calif. Bit. 1,567,829; Dec. 29.

Bibaud, Joseph. (See Leclerc, E., and Bibaud.)

Bigelow, Merle E., Milford Center, Ohio. Trap. 1,567,900; Dec. 29.

Biggert, Florence C., jr., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Scale guard. 1,567,028; Dec. 29.

Birge, M. H., & Sons Co. (See Burchfield, Charles E., assignor.)

Birtman Electric Company. (See English, Frederick A., assignor.)

Black, Joe W., Chicago, Ill. Device for operating oil gauges. 1,567,410; Dec. 29.

Black, Joe W., Chicago, Ill. Device for operating oil gauges. 1,567,411; Dec. 29.

Black, Joe W., Chicago, Ill. Fuel-reserve-maintaining device. 1,567,412; Dec. 29.

Blackwell, William T., Westfield, N. J. Reflector for use in lighting fixtures. Des. 69,107; Dec. 29.

Blair, Gustave, Albert Lea, Minn. Lock. 1,567,901; Dec. 29.

Blanchard Machine Company, The. (See Spencer, Henry K., assignor.)

Blanchard, Thomas R., assignor to Origas Burner Company, Minneapolis, Minn. Gas burner for heating plants. 1,567,830; Dec. 29.

Blanck & Co. (See Press, Elizabeth A. D., assignor.)

Blatt, Berthold L., Freedom, assignor of one-third to J. H. Johnston, Wampum, and one-third to W. C. Jack, Freedom, Pa. Detergent compound. 1,567,902; Dec. 29.

Bloom, Nellie, Bridgewater, Iowa. Rabbit doll. Des. 69,108; Dec. 29.

Blumberg, David, Bridgeport, Conn. Automobile brake-band attachment. 1,567,634; Dec. 29.

Bocchino, Ernest, Passaic, N. J. Sound-producing toy. 1,567,413; Dec. 29.

Bogart, Peter B., Atlanta, Ga. Dry closet. 1,567,414; Dec. 22.

Bohler, Frank M., Los Angeles, Calif. Speed-retarding device for airplanes. 1,567,229; Dec. 29.

Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Head receiver set. 1,567,105; Dec. 29.

Boker, Vitus A., Minneapolis, Minn. Paper-folding machine. 1,567,106; Dec. 29.

Bongiovanni, Luca, Turin, Italy. Forced-feed system for internal-combustion engines driving screw propellers. 1,567,700; Dec. 29.

Bonn, Carl R. H. H., Glasgow, Scotland. Machine for bending tubes and the like. 1,567,107; Dec. 29.

Bonney, Charles M., Hoquiam, Wash. Land-clearing machine. 1,567,784; Dec. 29.

Bookman, Thomas T., Blaney, S. C. Smoker's kit for automobiles. 1,567,903; Dec. 29.

Boomhover, Arthur, St. Albans, Vt. Antiskid device. 1,567,904; Dec. 29.

Borgmann, Charles, Great Neck, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone switchboard. 1,567,029; Dec. 29.

Bothe, Hugo E., Kenosha, Wis. Combined window safety lock. 1,567,108; Dec. 29.

Bothe, Otto, Steglitz, near Berlin, Germany. Device for electrically reproducing sound. 1,567,230; Dec. 29.

Bourgoin, Louis G., Montreal, Quebec, Canada. Acetylenation of fatty and other substances. 1,567,785; Dec. 29.

Bovet, Julio, V. L. Démoz, and A. L. Démoz, Buenos Aires, Argentina. Insect catcher. 1,567,905; Dec. 29.

Bowman, Rillie O. G., Pelahatchie, Miss. Bee gum. 1,567,906; Dec. 29.

Bowne, Langford J., Howard Beach, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,231; Dec. 29.

Boynton, Alexander, San Antonio, Tex. Overshot. 1,567,109; Dec. 29.

Brackett, Quincy A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Receiving system. 1,567,565; Dec. 29.

Brackett, Quincy A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Receiving system. 1,567,566; Dec. 29.

Brackett, Quincy A., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Wireless receiving system. 1,567,567; Dec. 29.

Bradley, Sallie M., et al. (See Opanchyk, Mike, assignor.)

Bradley, T. M., jr., et al. (See Opanchyk, Mike, assignor.)

Brady, Sanford C., Bartlesville, Okla. Separator attachment for cisterns. 1,567,486; Dec. 29.

Brandes Laboratories, Inc. (See Moss, D. H., Celenza, and Gerns, assignors.)

Brandt, Edwin G., Springfield, Mo. Folding cot. 1,567,786; Dec. 29.

Brandwood, John T., and J., Elton, Bury, England. Kier for the bleaching, dyeing, or analogous treatment of wound yarns. 1,567,568; Dec. 29.

Brandwood, Joseph. (See Brandwood, John, T., and J.)

Brandwood, Thomas. (See Brandwood, John, T., and J.)

Bratton, William W., Slab Fork, W. Va. Dirigible headlight. 1,567,907; Dec. 29.

Braun, Frank, and D. Kimble, Decatur, Ind. Child's rocker. Des. 69,109; Dec. 29.

Brayton, Harold M., Dover, N. J. Percussion element for time fuses. 1,567,232; Dec. 29.

Brewster, William, New York, N. Y. Automobile door. 1,567,831; Dec. 29.

Briggs, Stephen F., and E. N. Jacob, assignors, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Pillar lock. 1,567,701; Dec. 29.

Briggs & Stratton Corporation. (See Briggs, S. F., and Jacobi, assignors.)

Brigham, Walter L., Framingham, Mass. Transplanting trowel. 1,567,908; Dec. 29.





Bright, Weston F., Longmeadow, Mass. Spring shackle and lubricating means therefor. 1,567,635; Dec. 29.

Brightson Laboratories, Inc. (See Zetka, Joseph B., assignor.)

Briscoe Devices Corporation et al. (See Fleming, Charles A., assignor.)

Bristow, Francisa G. W., Sydney, Australia. Sheep shear. 1,567,110; Dec. 29.

British Cotton Industry Research Association, The, et al. (See Oxley, Arthur E., assignor.)

Broadmeyer, Albert, assignor to W. O. Hickock Manufacturing Company, Harrisburg, Pa. Sheet receiving and feeding mechanism. 1,567,909; Dec. 29.

Brockus, George W., Alhambra, Calif. Applying colors to plastic compositions. 1,567,487; Dec. 29.

Broge, Richard S., Chicago, Ill. Automatic boot cleaner. 1,567,832; Dec. 29.

Brown, Fred C., Evergreen Park, Ill. Brake equalizer. 1,567,787; Dec. 29.

Brown, Perry O., assignor of one-half to G. V. Backstrom, St. Vincent, Minn. Oil cup. 1,567,702; Dec. 29.

Brown, William C., Prescott, Ontario, Canada, assignor to Stumpf Una-Flow Engine Company, Inc. Automatic auxiliary clearance control. 1,567,233; Dec. 29.

Broyles, John E., Entiat, Wash., assignor of one-half to H. E. Robertson and T. H. Weiler, Russellville, Mo. Anchorage assembly for airships. 1,567,703; Dec. 29.

Brucker, Henry, Newark, N. J., assignor to American Aluminum Ware Co. Combination baking pan. 1,567,234; Dec. 29.

Bruen, Henry L., Orange, N. J., and E. B. Gross, Thomaston, Conn. Atomizer nozzle. Des. 69,110; Dec. 29.

Brüggemann, Franz, Charlottenburg, Germany. Electric power-transmission gear. 1,567,704; Dec. 29.

Bryant, Charles L., Cleveland, Ohio. Valve. 1,567,030; Dec. 29.

Bryndа, Wenzel F., Vienna, Austria, and R. Pollak, assignors to Aladdin Industries Limited, London, England. Magazine pencil. 1,567,910; Dec. 29.

Buchli, Jakob, assignor to the Firm Swiss Locomotive and Machine Works, Winterthur, Switzerland. Bogie of vehicles running on rails. 1,567,569; Dec. 29.

Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Reducing interference. 1,567,816; Dec. 29.

Bucky, Gustav, New York, N. Y. Grid-shaped screen for X-ray apparatus. 1,567,833; Dec. 29.

Buensod, Alfred C., assignor to Carrier Engineering Corporation, New York, N. Y. Treating hygroscopic materials. 1,567,031; Dec. 29.

Buick, Thomas D., et al. (See Fleming, Charles A., assignor.)

Burchartz, Heinrich, assignor to Gelsenkirchener Bergwerks-Aktiengesellschaft, Gelsenkirchen, Germany. Centrifugal casting machine. 1,567,488; Dec. 29.

Burchfield, Charles E., assignor to M. H. Birge & Sons Co., Buffalo, N. Y. Wall paper. Des. 69,111; Dec. 29.

Burhorn, Edwin, Hoboken, N. J. Cooling tower. 1,567,415; Dec. 29.

Burr, William B., North Platte, Nebr. Lubricating device. 1,567,111; Dec. 29.

Burt, John, Narberth, assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Lathe. 1,567,705; Dec. 29.

Burt, John S., Walpole, assignor, by mesne assignments, to Field Security Company, Boston, Mass. Process and apparatus for producing compressed peat. 1,567,489; Dec. 29.

Buskey, Harry L., Arcadia, Fla. Ornament for the bell of a horn. Des. 69,112; Dec. 29.

Butler, Thomas H. F. J. W. Popham, Bristol, J. C. Mann, Birmingham, and H. W. Robinson, Cleobury Mortimer, England. Production of liquid-fuel mixtures. 1,567,235; Dec. 29.

Butterfield, Emily H., Farmington, Mich., assignor to Theta Kappa Nu Fraternity, Springfield, Mo. Badge. Des. 69,113; Dec. 29.

Buts, Edward D., Palisade, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,567,236; Dec. 29.

Buxton, Incorporated. (See Buxton, Warner R., assignor.)

Buxton, Incorporated. (See Ruvin, Harry, assignor.)

Buxton, Warner R., Longmeadow, assignor to Buxton, Incorporated, Springfield, Mass. Retaining clip for key cases and the like. 1,567,636; Dec. 29.

Cabell, Thomas B., Jackson, Miss. Incandescent-electric-lamp fixture. 1,567,237; Dec. 29.

Cagwin, William F., Chicago, Ill. Method of and apparatus for cleaning soot out of gas mains. 1,567,416; Dec. 29.

Calkins, James M., Chicago, Ill., assignor to Scott Head Lamp Control, Miami, Fla. Dirigible headlight for vehicles. 1,567,112; Dec. 29.

Calverley, John E., Preston, and W. E. Highfield, assignors to The English Electric Company, Limited, London, England. Converting and transforming electric currents. 1,567,032; Dec. 29.

Cameron, James A., Brooklyn, N. Y., and R. M. Johnstone, Roselle Park, N. J., assignors to Cameron Machine Company, Brooklyn, N. Y. Mechanism for converting a web of flexible material into sheets. 1,567,706; Dec. 29.

Cameron Machine Company. (See Cameron, J. A., and Johnstone, assignors.)

Cameron Machine Company. (See Johnstone, Robert M., assignor.)

Campbell, Ernest P., Stockton, Calif. Cylinder hone. 1,567,417; Dec. 29.

Campbell, George E., assignor to The Wheland Company, Chattanooga, Tenn. Tension for band mills. 1,567,911; Dec. 29.

Campbell, George W., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,567,238; Dec. 29.

Capell, Carl F., Santa Monica, Calif. Awning covering and closure for openings in walls. 1,567,239; Dec. 29.

Cape, John E., Wilmette, Ill. Apparatus for conserving soap. 1,567,033; Dec. 29.

Carborundum Company, The. (See Martin, Harry C., assignor.)

Carborundum Company, The. (See Tone, Frank J., assignor.)

Carborundum Company, The. (See Tone, F. J., and Hartmann, assignors.)

Carey, Robert F., Leigh-on-Sea, England. Hydraulic clutch. 1,567,912; Dec. 29.

Carlson, Clifford G., assignor to Art Metal Construction Company, Jamestown, N. Y. Safe-door structure. 1,567,355; Dec. 29.

Carlson, Clifford G., assignor to Art Metal Construction Company, Jamestown, N. Y. Safe. 1,567,707; Dec. 29.

Carlson, Edwin E., Chester, Pa. Machine for unwinding warp sheets. 1,567,113; Dec. 29.

Carlson, Eno W., Osceola, Iowa. Resilient rim. 1,567,708; Dec. 29.

Carlton, James A., Newark, N. J. Paper jogger. 1,567,834; Dec. 29.

Carnes, Charles W., Erie, Pa. Cradle. 1,567,418; Dec. 29.

Carnes, James R. (See Heck, Nickolas, assignor.)

Carns, Elliott, South Boston, Mass., assignor to Dayton Scale Company, Dayton, Ohio. Comminuting or grinding machine. 1,567,034; Dec. 29.

Carpenter, Warren W., Queens, assignor to Western Electric Company, Incorporated, New York, N. Y. Restricted-service automatic telephone system. 1,567,240; Dec. 29.

Carr, Harry L., Hastings, Mich. Harrow tooth. 1,567,035; Dec. 29.

Carrasco-Sánchez, Manuel, Washington, D. C. Mechanical movement. 1,567,419; Dec. 29.

Carrier, Clarence O., Cleveland, Ohio. Electric fuse. 1,567,420; Dec. 29.

Carrier Engineering Corporation. (See Buensod, Alfred C., assignor.)

Carroll, Emil J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Drier. 1,567,709; Dec. 29.

Carroll, Emil J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Control system for drying apparatus. 1,567,710; Dec. 29.

Catron, John J., assignor to Catron Manufacturing Company, Bonham, Tex. Liquid-dispensing system. 1,567,570; Dec. 29.

Catron Manufacturing Company. (See Catron, John J., assignor.)

Cavanna, Eugene L., Chicago, Ill. Shoe support. 1,567,036; Dec. 29.

Cavanna, Eugene L., Chicago, Ill. Shoe support. 1,567,037; Dec. 29.

Cavanna, Eugene L., Chicago, Ill. Shoe support. 1,567,038; Dec. 29.

Cavanna, Eugene L., Chicago, Ill. Shoe form and support. 1,567,039; Dec. 29.

Cedillo, Nick G., Houston, Tex. Transmission mechanism. 1,567,491; Dec. 29.

Cedillo, Nick G., Houston, assignor of one-fourth to E. E. Dowdell, Harris County, Tex. Transmission mechanism. 1,567,490; Dec. 29.

Celenza, Nicholas J. (See Moss, D. H., Celenza, and Gerns.)

Cement-Gun Contracting Company. (See Collier, B. C., and Leriche, assignors.)

Century Rubber Works. (See Venn, Charles J., assignor.)

Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Sash lock for railway-car windows. 1,567,571; Dec. 29.

Champion Shoe Machinery Company. (See Dobyne, Stephen A., assignor.)

Chandler, Frank M., assignor of one-fourth to J. F. Meadows and one-fourth to K. Anderson, Ottawa, W. Va. End gate. 1,567,913; Dec. 29.

Chandler, Milton E. (See Mock, F. C., and Chandler.)

Chapin, R. E., Mfg. Works. (See MacDonald, D. E., and Van Alst, assignors.)

Chase, Franklin D., Berkeley, Calif. Adjustable faucet. 1,567,711; Dec. 29.

Cheathan Electric Switching Device Co. (See Robinson, Robert M., assignor.)

Cheeseman, Ralph T., Lynn, Mass., assignor to General Electric Company. Electric-arc device. 1,567,835; Dec. 29.

Cherry, Norman N., Springfield, Ohio. Illuminated sign. 1,567,572; Dec. 29.

Cheshire, Edward, Milwaukee, Wis., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing press. 1,567,177; Dec. 29.

Cheshire, Edward, Milwaukee, Wis., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing press. 1,567,178; Dec. 29.

Cheshire, Edward, Milwaukee, Wis., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing-press counting and signaling mechanism. 1,567,179; Dec. 29.

Cheshire, Edward, Milwaukee, Wis., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing-press stock-table-control mechanism. 1,567,180; Dec. 29.

Cheshire, Edward, Milwaukee, Wis., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing press. 1,567,181; Dec. 29.

Cheshire, Edward, Milwaukee, Wis., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Sheet-feeding mechanism. 1,567,182; Dec. 29.

Chesler, J., Sons Co. (See Kalm, Samuel, assignor.)

Chicago Pneumatic Tool Company. (See Collins, Anthony H., assignor.)

Chicago Pneumatic Tool Company. (See Stevens, E. W., and Moore, assignors.)

Chicago Railway Equipment Company. (See De Long, Frederic T., assignor.)

Christiansen, Loris. (See Andersen, C., Christiansen, and Flodin.)

Christman, Roliand J. (See Robison, R. D., Christman, and Swigart.)

Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rectifier. 1,567,573; Dec. 29.

Cinch Manufacturing Corporation. (See Vodicka, John, assignor.)

Clancy, John C., Asbury Park, N. J. Manufacturing hydrocarbons and cyanids. 1,567,241; Dec. 29.

Clark, C. E. (See Richardson, Reed D., assignor.)

Clark, Edgar H. (See Reeves, F. N., and Clark.)

Clark, Edgar H., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,040; Dec. 29.

Clark, Edgar H., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,242; Dec. 29.

Clark, George S., Huntington, assignor, by mesne assignments, to Clark Patent Tubing Co., Wheeling, W. Va. Blasting tube and blasting-tube package. 1,567,991; Dec. 29.

Clark Patent Tubing Co. (See Clark, George S., assignor.)

Clauss, George E., assignor to The Ansonia O & C Co., Ansonia, Conn. Reenforced elastic webbing. 1,567,836; Dec. 29.

Clay, Noble S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Special fabric propeller. 1,567,574; Dec. 29.

Clayton, Earl R., and C. R. Welch, Los Angeles, Calif. Draft and steering rig for trailers. 1,567,492; Dec. 29.

Clayton, George E., Compton, Calif. Antirattling device. 1,567,421; Dec. 29.

Cleveland Trust Company, The, administrator. (See Smith, Oscar A., assignor.)

Clinton, Arthur J., assignor of one-half to C. W. Neisrvender, Paola, Kans. Shade hanging and operating means. 1,567,914; Dec. 29.

Clouser, Harry E., San Jose, Calif. Mold for forming concrete building units. 1,567,243; Dec. 29.

Cobb, Ruric E., Longwood, Fla. Mouthpiece. 1,567,114; Dec. 29.

Coffee, Cyrus E., St. Louis, Mo. Wall construction. 1,567,422; Dec. 29.

Cole, Eugene M., Charlotte, N. C. Agricultural-implement construction. 1,567,244; Dec. 29.

Cole, Harry G., Westernport, Md. Brake. 1,567,915; Dec. 29.

Cole, Lyndon C., O. Pabst, and C. May, Hamilton, Ohio, assignors to Niles-Bement-Pond Company, New York, N. Y. Multiple drill. 1,567,356; Dec. 29.

Colgan, Leonard J., Glendale, assignor to Tuttle & Bailey Manufacturing Company, Brooklyn, N. Y. Convertible register. 1,567,115; Dec. 29.

Collier, Bryan C., and W. Leriche, assignors to Cement-Gun Contracting Company, Allentown, Pa. Incasing girders or the like. 1,567,245; Dec. 29.

Collings, William R. (See Cottringer, P., and Collings.)

Collins, Anthony H., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Venting means for motors. 1,567,637; Dec. 29.

Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)

Comer, John, Ogden, Utah. Beet-unloading means. 1,567,837; Dec. 29.

Comlossy, George L., Toledo, Ohio. Drain seal for refrigerator cars. 1,567,423; Dec. 29.

Compagnie International des Freins Automatiques, Société Anonyme. (See Pieper, Henri, assignor.)

Compton, Arthur H., St. Louis, Mo., assignor to Westinghouse Lamp Company. Photo-electric cell. 1,567,424; Dec. 29.

Conder, Hartwell, Strahan, Tasmania, Australia. Recovering iron and sulphur from sulphide ores. 1,567,916; Dec. 29.

Conrad, Miller E., Atlantic, Iowa, assignor to C. B. Schoenmehl Incorporated, Waterbury, Conn. Voltaic cell. 1,567,838; Dec. 29.

Conrader, Rudolph, Erie, Pa. Oil-well apparatus and operating the same. 1,567,183; Dec. 29.

Conrader, Rudolph, Erie, Pa. Pump-controlling apparatus. 1,567,184; Dec. 29.

Continental Can Company. (See Morgan, T. W., and Murray, assignors.)

Cookson, Thomas J., assignor to The Fulton Foundry and Machine Company, Cleveland, Ohio. Exhaust head. 1,567,712; Dec. 29.

Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Directional sound-detecting device. 1,567,839; Dec. 29.

Corser, John, and P. C. Olson, Minneapolis, Minn.; said Olson assignor to said Corser. Apparatus for relining motor-vehicle brake bands. 1,567,713; Dec. 29.

Cosden & Company. (See Koontz, Frederick B., assignor.)

Costa, Louis J., assignor to Standard Electric Products, Inc., Philadelphia, Pa. Grinding mill. 1,567,246; Dec. 29.

Costello, William, jr., Philadelphia, Pa. Feeding mechanism for cake-coating machines. 1,567,917; Dec. 29.

Cottringer, Paul, and W. R. Collings, assignors to The Dow Chemical Company, Midland, Mich. Making anhydrous magnesium chlorides. 1,567,317; Dec. 29.

Cottringer, Paul, and S. B. Heath, assignors to The Dow Chemical Company, Midland, Mich. Making metallic magnesium. 1,567,318; Dec. 29.

Covell, Russell O., Philadelphia, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,041; Dec. 29.

Cox, Arthur, Olton, near Birmingham, England. Carburetor. 1,567,918; Dec. 22.

Craig, Edward, St. Joseph, assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Pail-making machine. 1,567,425; Dec. 29.

Cricchio, Paul, assignor to Merit Lamp & Novelty Co., New York, N. Y. Lamp. Des. 69,114; Dec. 29.

Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)

Crook, Alfred, assignor to Philadelphia Roll & Machine Company, Philadelphia, Pa. Method and means for controlling the condensing action in the casting of iron rolls. 1,567,840; Dec. 29.

Crosby, Fred B., assignor to Morgan Construction Company, Worcester, Mass. Wire-drawing machine. Re16,236; Dec. 29.

Croson, Harry L., Oakland, assignor of one-half to W. W. Laidley, Piedmont, Calif. Collar fastener. 1,567,247; Dec. 29.

Crouse-Hinds Company. (See Smith, F. C., and Olley, assignors.)

Cumfer, Harry A., Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co. Sheet-cutting machine. 1,567,919; Dec. 29.

Cumfer, Harry A., assignor to Guyton & Cumfer Mfg. Co., Chicago, Ill. Shingle-cutting machine. 1,567,920; Dec. 29.

Cummings, Earle W., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif. Cabinet fixture. 1,567,357; Dec. 29.

Cumpston, Frederick B., Blooming Grove, Tex. Lift for gin breasts. 1,567,185; Dec. 29.

Cunningham, Joseph, Glen Carbon, Ill. Shaft-handle-retaining means. 1,567,575; Dec. 29.

Currey, James G., Leavenworth, Kans. Ship-hoisting apparatus. 1,567,116; Dec. 29.

Curtin, James A., Medford, Mass. Method and apparatus for carding fibrous material. 1,567,841; Dec. 29.

Czapek, Stanley, Detroit, Mich., assignor to Radiant Specialty Co. Lighting fixture. Des. 69,115; Dec. 29.

Czarnecki, Boleslaw V., Schenectady, N. Y. Glass-tumbler holder. Des. 69,116; Dec. 29.

Dahlman, Joseph A., Duluth, Minn. Golf club. 1,567,248; 1,567,248.

D'Almaforte, Pierre T., Sierra Madre, Calif. Door-fastening device. 1,567,921; Dec. 29.

Daniels, Elmer G., St. Louis, Mo. Pneumatic mattress. 1,567,117; Dec. 29.

Danly Machine Specialties, Inc. (See Danly, Robert C., assignor.)

Danly, Robert C., assignor to Danly Machine Specialties, Inc., Chicago, Ill. Leader pin for die sets. 1,568,017; Dec. 29.

Danly, Robert C., assignor to Ludwig & Ludwig, Inc., Chicago, Ill. Neck attachment for banjos and the like. 1,567,358; Dec. 29.

D'Arino, Andrew, and M. Alsofrom, New York, N. Y. Mirror. Des. 69,117; Dec. 29.

D'Arino, Andrew, and M. Alsofrom, New York, N. Y. Mirror. Des. 69,118; Dec. 29.

D'Arino, Andrew, and M. Alsofrom, New York, N. Y. Mirror. Des. 69,119; Dec. 29.

Davis, John J., administrator. (See Stitzel, Frederick.)

Davis, Kenneth, St. Benedict, Pa., assignor to R. Peale, New York, N. Y. Induction motor. 1,567,319; Dec. 29.

Davis, Kenneth, assignor to R. Peale, St. Benedict, Pa. Machine for handling and transporting loose materials. 1,567,320; Dec. 29.

Davis, Ralph. (See Porten, George F., assignor.)



Davison, David. (See Hosford, L. V., and Davison.)

Dayton Scale Company. (See Carns, Elliott, assignor.)

Deakin, Gerald and L. Polinkowsky, Antwerp, Belgium, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,042; Dec. 29.

Dean, Wesley H., Roger Mills County, Okla. Harvesting machine. 1,567,576; Dec. 29.

Dean, William A., Worcester, assignor to F. A. Whitney Carriage Company, Leominster, Mass. Hub. 1,567,638; Dec. 29.

De Boischevalier, Henri, Detroit, Mich., assignor to Societe du Carburateur Zenith, Lyon, France. Venturi and making the same. 1,567,043; Dec. 29.

De Busk, William H., assignor to The P. & M. Company, Chicago, Ill. Rail anchor. 1,567,044; Dec. 29.

De Flores, Luis, Pomfret, Conn., assignor, by mesne assignments, to The Texas Company. Making motor fuel. Re16,239; Dec. 29.

De Forest Radio Telephone & Telegraph Company. (See Garity, William, assignor.)

De Long, Frederic T., assignor to Chicago Railway Equipment Company, Chicago, Ill. Safety support. 1,567,788; Dec. 29.

Démoz, Arturo L. (See Bovet, J., and Démoz.)

Démoz, Venansio L. (See Bovet, J., and Démoz.)

Dent Hardware Co. (See Schrader, Thomas O., assignor.)

Derderian, Setrak, Watertown, Mass. Apparatus for piling, handling, and unloading articles. 1,567,577; Dec. 29.

De Reamer, Frank C. (See Sargent, H. R., and De Reamer.)

De Spain, Thomas L., Morgan, assignor of one-third to S. R. McMullen and one-third to G. Y. Reed, Fort Worth, Tex. Locking attachment or brake for trucks. 1,567,922; Dec. 29.

Dessau, Morland M., London, England. Golosh or overshoe. 1,567,714; Dec. 29.

Devaux, Lucien, Paris, France, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,249; Dec. 29.

De Voe, William E. (See Fleming, F. E., and De Voe.)

Devon, Joseph L., Atlanta, Ga. Rotary gear pump. 1,567,923; Dec. 29.

De Wick, William H., Brooklyn, N. Y. Neck for banjos and the like musical instruments. 1,567,359; Dec. 29.

De Witt, Clinton, Berkeley, Calif. Emergency gate for spillways and overflow dams. 1,567,715; Dec. 29.

Dichiaro, Anthony J. (See Trippeda, C. S., and Dichiaro.)

Dickson, Marion H., Lewistown, Ill. Vibrator structure for spark coils. 1,567,118; Dec. 29.

Dieke, Frederich G., Johnson City, N. Y. Brush support. 1,567,789; Dec. 29.

Di Magno, Saverio, Swatara Station, Pa. Road sign. Des. 69,146; Dec. 29.

Dingwall, Thomas E., Hutton, England. Joining or permanently fastening articles together or closing them. 1,567,924; Dec. 29.

Doane, Lewis B. (See Grieshaber, H. E., and Doane.)

Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Fastener-stock-supplying mechanism for fastener-inserting machines. 1,567,119; Dec. 29.

Dodds, Robert P., assignor to W. & L. E. Gurley, Troy, N. Y. Clock mounting. 1,567,925; Dec. 29.

Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,567,716; Dec. 29.

Doherty, William J. (See Levaggi, J., and Doherty.)

Donovan, James M., Chicago, Ill. Vehicle tire-chain repair-link construction. 1,567,426; Dec. 29.

Dorau, John P., Horicon, Wis. Ironing board. 1,567,120; Dec. 29.

Dörr, Wilhelm E., Ueberlingen, assignor to Luftschiffbau Zeppelin G. m. b. H., Friedrichshafen, Germany. Gas discharge from airships. 1,567,578; Dec. 29.

Dorsey, William N. (See Nobiltt, William L., assignor.)

Dorton, John M., Bonner Springs, Kans. Dirigible headlight. 1,567,427; Dec. 29.

Douglas, Wallace R., assignor of one-half to W. H. Douglas, Crete, Nebr. Collapsible auto and porch bed. 1,567,493; Dec. 29.

Douglas, William H. (See Douglas, Wallace R., assignor.)

Dow Chemical Company. (See Cottringer, P., and Collings, assignors.)

Dow Chemical Company, The. (See Cottringer, P., and Heath, assignors.)

Dowdell, E. E. (See Cedilio, Nick G., assignor.)

Draper Corporation. (See Griffith, John N., assignor.)

Draper Corporation. (See Johnson, Arthur S., assignor.)

Draper Corporation. (See Stimpson, Wallace I., assignor.)

Dreblow, Robert, Lebanon, S. Dak. Key holder. 1,567,926; Dec. 29.

Dresser, Scott I., Conticook, Quebec, Canada. Fire and burglar alarm system. 1,567,121; Dec. 29.

Dr. Ing. H. C. Alexander Bernhard Dräger. (See Schröder, Hans W. C., assignor.)

Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Automatic single-spindle or turret-lathe machine. 1,567,790; Dec. 29.

Driver, William. (See Rittman, J. W. Rood, and Driver.)

Dubosclard, Paul, Brooklyn, assignor to Lidgerwood Manufacturing Company, New York, N. Y. Friction device. 1,567,717; Dec. 29.

Dudley, Edward F., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Cylinder-control mechanism. 1,567,361; Dec. 29.

Dudley, Edward F., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing-press mechanism. 1,567,362; Dec. 29.

Dudley, Edward F., Oak Park, and B. D. Stevens, Evanston, assignors to Miehle Pringting Press & Manufacturing Company, Chicago, Ill. Cylinder-control mechanism. 1,567,360; Dec. 29.

Duhme, Emil, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrolytic production of metals. 1,567,791; Dec. 29.

Dunham, Bert G., Chicago, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone-exchange. 1,567,122; Dec. 29.

Dunham, Bert G., Chicago, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone-exchange system. 1,567,250; Dec. 29.

Dunlop Rubber Company, Limited. (See Monk, William B., assignor.)

Duplessis, Rene E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,567,428; Dec. 29.

Duplex Printing Press Company. (See Bechman, Henry F., assignor.)

Durand Steel Locker Company. (See Vance, Walter N., assignor.)

Duveck, Solomon E., Montreal, Quebec, Canada, assignor to Public Service Directories, Inc., New York, N. Y. Display device. 1,567,123; Dec. 29.

Dyktor, Herbert G. (See Dyktor, Stanislas and H. G.)

Dyktor, Stanislas and H. G., New York, N. Y. Dish-washing machine. 1,567,992; Dec. 29.

Eagle Rubber Company, The. (See Gill, Harry R., assignor.)

Eames, George M., Bridgeport, Conn. Guard for motor vehicles. 1,567,579; Dec. 29.

Earl, Alfred R., and T. W. Reeves, Toledo, Ohio. Series separation of crude petroleum. 1,567,429; Dec. 29.

Earle, George H., Valparaiso, Ind. Combined heater and muffler. 1,567,792; Dec. 29.

Eastman, Louis R., Highland, Mich. Capsule-filling machine. 1,567,639; Dec. 29.

Ebel, Charles W., La Fayette, Ind. Tray. 1,567,045; Dec. 29.

Eberling, Charles M., Cleveland, Ohio. Building block. 1,567,430; Dec. 29.

Ebert, John W., Frederick, Md. Smoke and gas collector for furnace doors. 1,567,927; Dec. 29.

Edens, Robert W. (See Wilson, G. A., and Edens.)

Edmunds & Jones Corporation. (See Godley, Charles E., assignor.)

Edwards, O. M., Company, The. (See Chaffee, Edward F., assignor.)

Edwards, Robert C., New York, N. Y., assignor to Federal Telegraph Company, San Francisco, Calif. Radio-cabinet. Des. 69,120; Dec. 29.

Edwards, Robert C., New York, N. Y., assignor to Federal Telegraph Company, San Francisco, Calif. Radio-cabinet. Des. 69,121; Dec. 29.

Ekman, Andrew, assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Door latch. 1,567,124; Dec. 29.

Ekman, Andrew, assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Door latch. 1,567,125; Dec. 29.

Ekstein, Joseph, New York, N. Y. Game. 1,567,251; Dec. 29.

Electric Boat Company. (See Grieshaber, H. E., and Doane, assignors.)

Electric Fireplace Manufacturing Company. (See Meany, D. N., and Ellsworth, assignors.)

Elliott, Harold F., and J. A. Miller, Palo Alto, assignors, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif. Radiofrequency system. 1,567,928; Dec. 29.

Ellis Drier & Elevator Company. (See Ellis, Norman C. and H. C., assignors.)

Ellis, Horace R., Meadville, Pa. Shock absorber. 1,567,929; Dec. 29.

Ellis, Hubert C. (See Ellis, Norman C. and H. C.)

Ellis, Norman C., and H. C., Evanston, assignors to Ellis Drier & Elevator Company, Chicago, Ill. Tilting trap. 1,567,718; Dec. 29.

Ellsworth, Edward N. (See Meany, D. N., and Ellsworth.)

Elrod, Benjamin S., assignor to Elrod Slug Casting Machine Company, Omaha, Nebr. Bar-casting die and seasoning the same. 1,567,431; Dec. 29.

Elrod, Benjamin S., and W. Hector, Omaha, Nebr., assignors, by mesne assignments, to Omaha Trust Company, trustee. Forming continuous soft-metal bars from molten metal. 1,567,363; Dec. 29.

Elrod Slug Casting Machine Company. (See Elrod, Benjamin S., assignor.)

Elto Outboard Motor Co. (See Evinrude, Ole, assignor.)

Emert, Franklin E., Youngdale, Pa. Internal-combustion-engine timer. 1,567,930; Dec. 29.

English Electric Company, The. (See Calverley, J. E., and Highfield, assignors.)
English, Frederick A., assignor to Birtman Electric Company, Chicago, Ill. Vacuum cleaner. 1,567,432; Dec. 29.
Epard, Samuel J., and E. B. Sauter, Touchet, Wash. Windshield guard. 1,567,252; Dec. 29.
Epler, Percy H., Worcester, Mass. Compress. 1,567,931; Dec. 29.
Erion, James G., Grand Island, Nebr. Bottle-filling apparatus. 1,567,126; Dec. 29.
Erlandsen, Jorgen N., Everett, Wash. Butt-line rigging plate. 1,567,719; Dec. 29.
Eschenbacher, Edward, Brainerd, Minn. Sagless gate. 1,567,932; Dec. 29.
Eschholz, Otto H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical apparatus. 1,567,580; Dec. 29.
Eureka-Cinema Corporation. (See McManus, H., and Luce, assignors.)
Evans, Robert D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,567,581; Dec. 29.
Evans, Robert D., Pittsburgh, and R. T. Pierce, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Unbalanced factor meter. 1,567,582; Dec. 29.
Evinrude, Ole, assignor to Elto Outboard Motor Co., Milwaukee, Wis. Water-cooling system for outboard motors. 1,567,127; Dec. 29.
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Fahnestock, Charles M., Cincinnati, Ohio. Steering-attachment mechanism. 1,567,933; Dec. 29.
Fahrney, Emery H., Chicago, Ill. Chain drive. 1,567,494; Dec. 29.
Fahrney, Emery H., Chicago, Ill. Snowplow. 1,567,495; Dec. 29.
Fansler, Oliver C., Gassaway, W. Va. Rail-joint plate. 1,567,583; Dec. 29.
Farbwerke vorm. Meister Lucius & Brüning. (See Gramberg, Anton, assignor.)
Farrell, P. H., et al. (See Flinn, John R., assignor.)
Fauber, Hazel L. (See Fauber, William H. and H. L.)
Fauber, William H., and H. L., Brooklyn, N. Y. Game device. 1,567,046; Dec. 29.
Faultless Caster Company. (See Noelting W. H., and Smithfield, assignors.)
Favata, Joseph, jr., Buffalo, N. Y. Fastener for barbers' hair cloths and the like. 1,567,433; Dec. 29.
Federal Laboratories, Incorporated. (See Lawrence, Ruben B., assignor.)
Federal Telegraph Company. (See Edwards, Robert C., assignor.)
Federal Telegraph Company. (See Elliott H. F., and Miller, assignors.)
Federation of College Catholic Clubs. (See Keogh, John W., assignor.)
Feeney, William P., Cheboygan, Mich. Felt conditioner for paper machines. 1,567,584; Dec. 29.
Feldman, Joseph C., assignor to T. K. Feldman, New York, N. Y. Combined electric lamp and grill. 1,567,585; Dec. 29.
Feldman, Tillie K. (See Feldman, Joseph C., assignor.)
Ferguson, Alexander, London, England. Process and apparatus for reducing ores and producing cement. 1,567,934; Dec. 29.
Ferris, Elizabeth B., Utica, N. Y. Lady's undergarment. 1,567,793; Dec. 29.
Ferro, Joseph, Springfield, Ill. Tire armor. 1,567,720; Dec. 29.
Fetter, Charles H., Millburn, N. J., assignor to American Telephone and Telegraph Company. Wire program-transmission system. 1,567,128; Dec. 29.
Field Security Company. (See Burt, John S., assignor.)
Fife, Ikley C., Chicago, Ill. Fastener. 1,567,129; Dec. 29.
Finley, Thomas M., St. Louis, Mo. Hydrogen-gas-pressure gauge. 1,567,794; Dec. 29.
Fitzgerald, John J., Stapleton, N. Y. Drag-line scraper. 1,567,496; Dec. 29.
Flannery Bolt Company. (See Flannery, J. R., and Wilson, assignors.)
Flannery Bolt Company. (See Greenslade, Grover R., assignor.)
Flannery, John R., Pittsburgh, Pa., and W. M. Wilson, Chicago, Ill., assignors to Flannery Bolt Company, Pittsburgh, Pa. Testing stay bolts having telltale holes. 1,567,721; Dec. 29.
Flatley, John H., Little York, Ill. Hay loader. 1,567,434; Dec. 29.
Fleming, Charles A., Jackson, assignor of one-half to Briscoe Devices Corporation, Pontiac, and one-half to T. D. Buick, Detroit, Mich. Carbureter. 1,567,935; Dec. 29.
Fleming, Clifford A., Huntsville, Mo. Tractor sweep rake. 1,567,936; Dec. 29.
Fleming, Frank E., and W. E. De Voe, Detroit, Mich., assignors, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass. Ash-dumping means for underfeed stokers. 1,567,130; Dec. 29.
Flinn, John R., assignor of one-half to T. P. Flinn and P. H. Farrell, Johnstown, Pa. Cap for waste and vent pipes. 1,567,131; Dec. 29.
Flinn, Timothy P., et al. (See Flinn, John R., assignor.)
Flodin, Albert. (See Andersen, C., Christiansen, and Flodin.)
Flodin, Ludvig. (See Andersen, C., Christiansen, and Flodin.)
Forchheimer, Julius, New York, N. Y. Toy track switch. 1,567,047; Dec. 29.
Fornaca, Guido, Turin, Italy. Motor-controlling system. 1,567,795; Dec. 29.
Forrest, Charles N., Rahway, and H. P. Hayden, Perth Amboy, N. J., assignors to The Barber Asphalt Company, Philadelphia, Pa. Treatment of hydrocarbons. 1,568,018; Dec. 29.
Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,567,253; Dec. 29.
Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Adjusting coordinate switch parts. 1,567,254; Dec. 29.
Foster, Lawrence R., Rock Island, Ill. Automobile jack. 1,567,796; Dec. 29.
Foster, Robert H., West Plains, Mo. Cotton cultivator. 1,567,255; Dec. 29.
Fournier, Edmond E., assignor of forty-four one-hundredths to M. I. Vestal, Fall River, Mass., and fifty-six one-hundredths to said Fournier. Timer for internal-combustion engines. 1,567,722; Dec. 29.
Fowler, Clarence B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,567,256; Dec. 29.
Fowler, Clarence B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,567,257; Dec. 29.
Frank, Harry, Brooklyn, N. Y. Burglar protection. 1,567,723; Dec. 29.
Frank, John J., Pittsfield, Mass., assignor to General Electric Company. Electrical induction apparatus. 1,567,797; Dec. 29.
Fraser, Lester C., Los Angeles, Calif. Steam boiler. 1,567,724; Dec. 29.
Frazier, Oliver B. (See Hughes, Clifford G., assignor.)
Frederick, E. J., et al. (See McKee, Jule B., assignor.)
Frederickson, Otto A., Weathersfield, assignor to The American Wiremold Company, Hartford, Conn. Braiding machine. 1,568,019; Dec. 29.
Freese, Ira H., Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Leer-feeding apparatus. 1,567,725; Dec. 29.
Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa. Bracket wall plate. Des. 69,122; Dec. 29.
Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa. Bracket wall plate for lighting fixtures. Des. 69,123; Dec. 29.
Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa. Bracket wall plate for lighting fixtures. Des. 69,124; Dec. 29.
Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa. Bracket wall plate for lighting fixtures. Des. 69,125; Dec. 29.
Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa. Bracket wall plate for lighting fixtures. Des. 69,126; Dec. 29.
Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa. Bracket wall plate for lighting fixtures. Des. 69,127; Dec. 29.
Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa. Bracket wall plate for lighting fixtures. Des. 69,128; Dec. 29.
Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa. Ceiling plate for lighting fixtures. Des. 69,129; Dec. 29.
Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa. Ceiling plate for lighting fixtures. Des. 69,130; Dec. 29.
Fried. Krupp Germaniawerft Aktiengesellschaft. (See Oehler, Ernst, assignor.)
Fried. Krupp Germaniawerft Aktiengesellschaft. (See Profitlich, Wilhelm, assignor.)
Frierson, David E., Charleston, W. Va. Moistureproof condiment holder. 1,567,726; Dec. 29.
Fry, Joe, Canton, Miss. Liquid wax for threads. 1,567,497; Dec. 29.
Fry, Robert M., Pennfield, Pa. Draft-inducing conduit for furnaces. 1,567,798; Dec. 29.
Fulton Foundry and Machine Company, The. (See Cookson, Thomas J., assignor.)
Funk, Hugo A. (See Lynn, J. P., and Funk.)
Gaddis, Hugh L., assignor to American Steel Products Co., Macomb, Ill. Brooder stove. 1,567,364; Dec. 29.
Galarneau, William J., Mount Vernon, Wash. Milk strainer. 1,567,937; Dec. 29.
Galik, Frank, Fairgrove, Mich. Combined wardrobe and bed. 1,567,258; Dec. 29.
Gallagher, Lillian K. (See Gallagher, Richard D., jr., assignor.)
Gallagher, Richard D., jr., assignor to L. K. Gallagher, Freeport, N. Y. Railway draft gear. 1,567,727; Dec. 29.



Galloway, Charles D., Philadelphia, Pa. Handle for storage batteries. 1,567,799; Dec. 29.
Gambill, William M., Merkel, Tex. Dental articulator. 1,567,938; Dec. 29.
Ganz, William, Chicago, Ill. Automobile lock. 1,567,259; Dec. 29.
Gardner, Charles F. (See Williams, Harry W., assignor.)
Gardner, Frank, Dallas, Tex. Pump jack. 1,567,586; Dec. 29.
Garity, William, Brooklyn, N. Y., assignor to De Forest Radio Telephone & Telegraph Company, Jersey City, N. J. Audion electrode structure. 1,567,260; Dec. 29.
Garner, Frank, Chapel-en-le-Frith, and A. Hall, Ansdell, England. Apparatus for treating rubber and the like. 1,567,587; Dec. 29.
Garod Corporation. (See Rodman, Isaac P., assignor.)
Gauger, Frank A., and R. W. Johnson, assignors, by mesne assignments, to Time-O-Stat Corporation, Milwaukee, Wis. Fluid-actuated control device. 1,567,435; Dec. 29.
Gaugler, Emil, Bellach, Switzerland. Shooting glasses for marksmen. 1,567,498; Dec. 29.
Gelsenkirchener Bergwerks Aktiengesellschaft. (See Burchartz, Heinrich, assignor.)
General Electric Company. (See Cheeseman, Ralph T., assignor.)
General Electric Company. (See Coolidge, William D., assignor.)
General Electric Company. (See Frank, John J., assignor.)
General Electric Company. (See Gosling, Joseph W., assignor.)
General Electric Company. (See Hendricks, Allan B., jr., assignor.)
General Electric Company. (See Sargent, Howard R., assignor.)
General Electric Company. (See Sargent, H. R., and De Reamer, assignors.)
General Motors Corporation. (See Mead, Brian, assignor.)
General Rubber Company. (See Hopkinson, E., and Rose, assignors.)
Gerace, Giuseppe, Lebanon, Pa. Ice-cream-cone-baking machine. 1,567,588; Dec. 29.
Gerns, William H. (See Moss, D. H., Celensa, and Gerns.)
Gerstenberger, Albin, Chemnitz, Germany. Rifle with pistol breech mechanism. 1,567,993; Dec. 29.
Getman, Herbert C., Oneonta, N. Y. Adjustable support. 1,567,800; Dec. 29.
Gibson, Earl S. (See Williams, S. B., jr., and Gibson.)
Gibson, Earl S., Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,261; Dec. 29.
Gilbert, Julius H., Flint, Mich. Marking gauges. 1,567,939; Dec. 29.
Gill, Harry R., assignor to The Eagle Rubber Company, Ashland, Ohio. Toy balloon. 1,567,132; Dec. 29.
Gillette, King C., et al. (See Schmidt, Benjamin F., assignor.)
Gillette, King G., et al. (See Schmidt, Benjamin F., assignor.)
Gillis, Julius H., Elizabeth, N. J., assignor, by mesne assignments, to Anaconda Sales Company. Apparatus for making roofing elements. 1,567,048; Dec. 29.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 1,567,801; Dec. 29.
Godley, Charles E., assignor to Edmunds & Jones Corporation, Detroit, Mich. Lamp construction. 1,567,365; Dec. 29.
Goeller, Lawrence E., Circleville, Ohio. Combination whisk-broom holder and shoe polisher. 1,567,262; Dec. 29.
Goldstine, Edgar N., Milwaukee, Wis. Card container. 1,567,133; Dec. 29.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lighting fixture. Des. 69,131; Dec. 29.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lantern. Des. 69,132; Dec. 29.
Gosnell, James W., assignor to Poole Engineering and Machine Company, Baltimore, Md. Gear-tooth gauge. 1,567,134; Dec. 29.
Gossett, Robert W., assignor to Manufacturers' Equipment Company, Spartanburg, S. C. Combined pulley and gear. 1,567,263; Dec. 29.
Gramberg, Anton, Frankfort-on-the-Main, assignor to Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany. Apparatus for measuring streams. 1,567,940; Dec. 29.
Granat, Elie, Paris, France. Complete electric distant control apparatus. 1,567,941; Dec. 29.
Grand Rapids Brass Company. (See Ekman, Andrew, assignor.)
Grandjean, Marc, Paris, France. Stenographic machine. 1,567,499; Dec. 29.
Gray, Thomas T., Elizabeth, N. J. Chromium soap. 1,567,049; Dec. 29.
Green, Walter R., Chicago, Ill. Tire carrier. 1,567,366; Dec. 29.
Greenawalt, Lewis J., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Thermostat. 1,567,589; Dec. 29.
Greenland, George W., Hartford, Conn. Internal-combustion engine. 1,567,802; Dec. 29.
Greenslade, Grover R., assignor to Flannery Bolt Company, Pittsburgh, Pa. Testing boiler stay bolts. 1,567,728; Dec. 29.
Greer, Benjamin B., Chicago, Ill. Railway car. 1,567,729; Dec. 29.
Gregory, James G., Quincy, Fla. Safe-deposit-box lock. 1,567,135; Dec. 29.
Griesbaber, Hugo E., and L. B. Doane, Groton, Conn., assignors to Electric Boat Company. Ballast-tank automatic blow-out. 1,567,050; Dec. 29.
Griffith, Joan N., Scottdale, Ga., assignor to Draper Corporation, Hopedale, Mass. Marquisette or cross weaving looms. 1,568,020; Dec. 29.
Grigoleit, Henry J., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Pressure-control system. 1,567,136; Dec. 29.
Groh, Melvin S., Toronto, Ontario, Canada, assignor to J. Mercadante, New York, N. Y. Refrigerator-cooling means. 1,567,730; Dec. 29.
Grönkwist, Oscar R., Stockholm, Sweden. Injecting liquid fuel and other liquids into explosion motors, furnaces, and the like. 1,567,051; Dec. 29.
Gross, Edwin B. (See Bruen, H. L., and Gross.)
Groupe, Andrew V., Philadelphia, Pa. Thermometer. 1,567,321; Dec. 29.
Grubman, Leo J., New York, N. Y., assignor, by mesne assignments, to Voices, Incorporated, Newark, N. J. Articulative sound-producing device for dolls, etc. 1,567,942; Dec. 29.
Grush, Martin V., Fort Wayne, Ind. Scraping tool. 1,567,943; Dec. 29.
Guide, William C., St. Paul, Minn., assignor to L. Welp, Bancroft, Iowa. Eyeshield. 1,567,137; Dec. 29.
Günther, Fritz, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Valuable compound for dyeing. 1,567,731; Dec. 29.
Gurley, W. & L. E. (See Dodds, Robert P., assignor.)
Gustafson, Charles J., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carburetor. 1,567,732; Dec. 29.
Guymon, Franklin N., Huntington, Utah. Trough. 1,567,944; Dec. 29.
Guyot Brothers. (See Guyot, Gaston A., assignor.)
Guyot, Gaston A., assignor to Guyot Brothers, Attleboro, Mass. Expansible chain. 1,567,640; Dec. 29.
Guyton & Cumfer Mfg. Co. (See Cumfer, Harry A., assignor.)
Hall, Alfred. (See Garner, F., and Hall.)
Haller, Frank J., and E. Mensenkamp, assignors to Stover Manufacturing & Engine Co., Freeport, Ill. Pulley. 1,567,842; Dec. 29.
Hamilton, William, Crowborough, England. Automatic length-adjusting device applicable to reciprocating parts of machinery and the like. 1,567,843; Dec. 29.
Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Thread-forming tool. 1,567,733; Dec. 29.
Hanson, Elnar A., et al., executors. (See Hanson, Bengt M. W.)
Happ, Conrad, Buffalo, N. Y. Electrical fan. 1,567,436; Dec. 29.
Harper, Walter G. (See Pitt, G. L., and Harper.)
Harris, Charles W., Salem, Conn. Universal joint. 1,567,641; Dec. 29.
Harrison, William E., and K. D. Stewart, Youngstown, Ohio. Charging system for blast furnaces. 1,567,642; Dec. 29.
Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting and like machine. 1,567,590; Dec. 29.
Hartford-Empire Company. (See Hiller, Everett O., assignor.)
Hartman, Carl H., assignor to The Valve Bag Company of America, Toledo, Ohio. Bottom closure for paper-bag machines. 1,567,437; Dec. 29.
Hartman, Eugene A. (See Hartman, Ferdinand Q. and E. A.)
Hartman, Ferdinand Q. and E. A., Danville, Pa. Holder and guide for skeins of silk, cotton, or other similar material. 1,567,138; Dec. 29.
Hartmann, Julius F. G. P., Copenhagen, Denmark. Electric jet-wave commutator and interrupter. 1,567,867; Dec. 29.
Hartmann, Miner L. (See Tone, F. J., and Hartmann.)
Hartvig, Gunnar J., Highland Park, Mich. Hydroplane. 1,567,139; Dec. 29.
Hartwig, William G., Chicago, Ill. Mercury-tube switch. 1,567,140; Dec. 29.
Haviland, George, Limoges, France. Cup or similar article. Des. 69,133; Dec. 29.
Haviland, George, Limoges, France. Cup or similar article. Des. 69,134; Dec. 29.
Hawkins, Robert D., Wilmington, N. C. Car roof. 1,567,141; Dec. 29.
Haworth, Clarkson G., Russiaville, Ind. Power oil can. 1,567,142; Dec. 29.
Hay, John T., Canton, Ohio, assignor to United Alloy Steel Corporation, New York, N. Y. Annealing steel sheets. 1,567,143; Dec. 29.
Hayden, Harold P. (See Forrest, C. N., and Hayden.)
Hays, John M., Ringwood, Okla. Agricultural machine. 1,567,945; Dec. 29.
Hazel-Atlas Glass Co. (See Freese, Ira H., assignor.)

Heaney, Raymond J. (See Peterman, Joseph F., assignor.)
Hearne, Alva O., Washington, D. C. Combination menu and order-slip holder. 1,567,648; Dec. 29.
Heath, Sheldon B. (See Cottringer, P., and Heath.)
Hébert, René M. L. G., Gisors, assignor to A. Vergé, Paris, France. Treating cotton textiles to impart a linenlike appearance thereto. 1,567,264; Dec. 29.
Heck, Nickolas, assignor of one-half to J. R. Carnes, Sioux City, Iowa. Toy vehicle. 1,567,144; Dec. 29.
Hector, William. (See Elrod, B. S., and Hector.)
Hein, George N. (See Platt, F. L., Hein, and Impey.)
Hein, George N., San Francisco, Calif. Appliance for use by anæsthetists. 1,567,500; Dec. 29.
Heine, Gustave O., San Francisco, Calif. Ventilator for movable conveyances. 1,567,438; Dec. 29.
Heintz, F. J., et al. (See McKee, Jule B., assignor.)
Helsing, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio transmission system. 1,567,734; Dec. 29.
Heitzler, Frank, Boston, Mass. Attachment for sewing machines. 1,567,439; Dec. 29.
Helfinger, Charles F., Hobart, Wash. Concrete shingle. 1,567,946; Dec. 29.
Hell, Johannes, Esslingen, Germany. Tanning of skins and hides. 1,567,644; Dec. 29.
Hellmund, Rudolf E., Swissvale, Pa. System of control. 1,567,591; Dec. 29.
Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Tying device for typewriting machines. 1,567,052; Dec. 29.
Hemphill, Stewart H., New York, N. Y. Electric push button. 1,567,947; Dec. 29.
Hendricks, Allan B., jr., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,567,844; Dec. 29.
Herman, John, Los Angeles, Calif. Mixer for oil-flotation apparatus and the like. 1,567,501; Dec. 29.
Herman, Samuel. (See Balsam, Maurice M., assignor.)
Herndon, Arthur W. (See Herndon, Roy L. and A. W.)
Herndon, Roy L. and A. W., Pocahontas, Va. Shock absorber. 1,567,502; Dec. 29.
Hershey, George S., Los Angeles, Calif. Powder puff. 1,567,503; Dec. 29.
Hesselman, Knut J. E., Saltsjo-Storangen, near Stockholm, Sweden. Means for controlling valves and the like by fluid pressure. 1,567,592; Dec. 29.
Heys, Roland B., assignor to St. Anne's Board Mill Company Limited, Bristol, England. Paper-making and other machine wherein suction is to be used. 1,567,948; Dec. 29.
Hibbard, Frank H., Arlington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Stepping mechanism. 1,567,053; Dec. 29.
Hickock, W. O., Manufacturing Company. (See Broadmeyer, Albert, assignor.)
Higgins, Eugene, Jackson, Mich. Shaft coupling. 1,567,145; Dec. 29.
Higgins, Eugene, Jackson, Mich. Shaft coupling. 1,567,146; Dec. 29.
Highfield, William E. (See Calverley, J. E., and Highfield.)
Hiller, Everett O., assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for heating glass feeders. 1,568,021; Dec. 29.
Hinman, Grant, Clarkdale, Ariz. Drill puller. 1,567,504; Dec. 29.
Hinrichsen, Edward E. (See Williams, S. B., jr., and Hinrichsen.)
Hinrichsen, Edward E., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. 1,567,054; Dec. 29.
Hinrichsen, Edward E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,265; Dec. 29.
Hinrichsen, Edward E., assignor to Western Electric Company, Incorporated, New York, N. Y. Message-register system. 1,567,266; Dec. 29.
Hirsch, Eugen, Berlin, Germany. Support for typewriting machine. 1,567,593; Dec. 29.
Hirschman, Arthur, St. Paul, Minn. Brake-release mechanism for motor vehicles. 1,567,440; Dec. 29.
Hirshbein, Helen, New York, N. Y. Toilet case. 1,567,735; Dec. 29.
Hitt, Thomas G., Seattle, Wash. Rocket. 1,567,267; Dec. 29.
Hitzert, Albert, Saginaw, Mich. Ice-cream container. 1,567,594; Dec. 29.
Hoard, Clarence, Victoria, British Columbia, Canada. Silo. 1,567,595; Dec. 29.
Hofmann, Friedrich, Schmoelln, Germany. Apparatus for leveling soles of shoes. 1,567,645; Dec. 29.
Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Carriage brake for typewriters. 1,567,368; Dec. 29.
Holley, George M., Detroit, Mich. Carburetor. 1,567,268; Dec. 29.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Making chains. 1,567,505; Dec. 29.
Holst, Hiram C., Genoa, Colo. Glass-loading spout for grain elevators. 1,567,369; Dec. 29.
Hopedale Manufacturing Company. (See Northrup, Jonas, assignor.)
Hopkinson, Ernest, New York, N. Y. Method of uniformly and intimately mixing materials with rubber latex. 1,567,506; Dec. 29.
Hopkinson, Ernest, New York, and R. P. Rose, Jackson Heights, assignor to General Rubber Company, New York, N. Y. Production of combinations of rubber and paper and products obtained thereby. 1,567,646; Dec. 29.
Horn & Brannen Manufacturing Co., The. (See Frerichs, Frederick A., assignor.)
Horsting, William F. (See Ross, Clarence A., assignor.)
Hosford, Leonard V., and D. Davison, Portland, Oreg., assignors, by mesne assignments, to Hosford Motor Construction Co. Internal-combustion engine. 1,567,949; Dec. 29.
Hosford Motor Construction Co. (See Hosford L. V., and Davison, assignors.)
Houser, Rudolph F., assignor to Phoenix Hosiery Co., Milwaukee, Wis. Embroidering machine. 1,567,647; Dec. 29.
Howard, Andrew A., Chicago, Ill. Toothbrush. 1,567,507; Dec. 29.
Howard, Guy C., Seattle, Wash. Debarking machine for logs. 1,567,441; Dec. 29.
Howson, Charles T., Silver Creek, N. Y. Corn-husking machine. 1,567,736; Dec. 29.
Hoya, Minnie, Chicago, Ill. Work holder. 1,567,269; Dec. 29.
Hubbard, Burtt J., Kokomo, Ind. Radiator-cap attachment. 1,567,648; Dec. 29.
Huebsch, Joseph, Milwaukee, Wis. Nap-brushing machine. 1,567,370; Dec. 29.
Huebsch, Joseph, Milwaukee, Wis. Automatic valve for washing machines. 1,567,371; Dec. 29.
Huff, Ernest, assignor to Huff Manufacturing Company, Boyceville, Wis. Electric lawn mower. 1,567,055; Dec. 29.
Huff Manufacturing Company. (See Huff, Ernest, assignor.)
Hugaas, Albert T., Hetland, S. Dak. Potato-seed cutter. 1,567,147; Dec. 29.
Hughes, Clifford G., assignor of one-half to O. B. Frazier, Elwood, Ind. Combination can opener and sealer. 1,567,950; Dec. 29.
Hultgren, Axel G. E., and J. H. E. Thorén, Gottenborg, Sweden, assignors to Aktiebolaget Svenska Kullingerfabriken. Nut lock. 1,567,649; Dec. 29.
Humphreys, Charles F., Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa. Rug. Des. 69,136; Dec. 29.
Humphreys, Harry S., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Rug. 69,135; Dec. 29.
Hunt, Andrew M. (See Roesch, F. P., and Hunt.)
Hunt, Wilson M. (See Wood, Ira C., assignor.)
Hurxthal, Alpheus O. (See Ayres, E. B., and Hurxthal.)
Huse, Hiram N., Providence, R. I., assignor to St. Mungo Manufacturing Company of America, Newark, N. J. Machine for coating articles. 1,567,508; Dec. 29.
Hutchins Car Roofing Company. (See Thompson, William D., assignor.)
Hydraulic Press Manufacturing Company, The. (See Stacy, Thomas F., assignor.)
Hyland, Frank S., Milwaukee, assignor to Prairie du Chien Tool Co., Prairie du Chien, Wis. Grinder. 1,567,442; Dec. 29.
Iepson, Henry, assignor to Abbotts Alderney Dairies Incorporated, Philadelphia, Pa. Counting machine. 1,567,951; Dec. 29.
Impey, Robert R. (See Platt, F. L. Hein, and Impey.)
Ito, Masanao. (See Kijima, K., and Ito.)
Itskin, Charles E., Louisville, Ky. Pen and pencil case. 1,567,596; Dec. 29.
Jack, Willis C., et al. (See Blatt, Berthold L., assignor.)
Jackson, Arthur C., Philadelphia, Pa., assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Automobile hood catch. 1,567,650; Dec. 29.
Jackson, Harvey E., Idaho Falls, Idaho. Beet-loading machine. 1,567,509; Dec. 29.
Jacobson, Arthur G., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Sheet-separating mechanism. 1,567,372; Dec. 29.
Jaffe, Harry, Chicago, Ill., assignor, by mesne assignments, to McCord Radiator & Mfg. Co., Detroit, Mich. Radiator. 1,567,845; Dec. 29.
James, Henry N., Miami, Fla. Automatic lavatory appliance. 1,567,270; Dec. 29.
James, Victor A., Tampa, Fla. Piston ring. 1,567,952; Dec. 29.
Janusz, Anthony, Turners Falls, Mass. Inkwell. 1,567,597; Dec. 29.
Jaquemot, Charles. (See Vonnez, E., and Jaquemot.)
Jeffries, Ebenezer A. W. (See Jefferies, Ernest S., assignor.)
Jefferies, Ernest S., Hamilton, Ontario, Canada, assignor of one-third to E. A. W. Jefferies, Worcester, Mass. Machine for heating metal stock. 1,567,373; Dec. 29.
Jenkins, John J., Los Angeles, Calif. Deodorizing fabrics and garments cleansed by volatile liquids. 1,567,443; Dec. 29.
Jennings, Irving C., South Norwalk, Conn. Pumping apparatus. 1,567,148; Dec. 29.





Jennings, Oliver S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-starting switch. 1,567,598; Dec. 29.
Jersey Biscuit Company. (See Taussig, Charles W., assignor.)
Jewett Radio and Phonograph Company, The. (See Wilkinson, Elmer H., assignor.)
Johnsen, Einar A., Mountain Lakes, N. J. Condenser. 1,567,510; Dec. 29.
Johnson, Arthur S., assignor to Draper Corporation, Hopedale, Mass. Loom stop mechanism. 1,567,511; Dec. 29.
Johnson Bros. Engineering Corporation. (See Johnson, Louis J., assignor.)
Johnson, Fritz B., Providence, R. I. Vanity case. 1,567,056; Dec. 29.
Johnson, Lane, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Universal coupling. 1,567,057; Dec. 29.
Johnson, Lewis H., Madison, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,271; Dec. 29.
Johnson, Louis J., Mishawaka, assignor to Johnson Bros. Engineering Corporation, South Bend, Ind. Water-cooling system for outboard motors. 1,567,512; Dec. 29.
Johnson, Roy W. (See Gauger, F. A., and Johnson.)
Johnson, Stephens and Shinkle Shoe Company. (See Spalsbury, Charles B., assignor.)
Johnston, James H., et al. (See Blatt, Berthold L., assignor.)
Johnstone, Robert M. (See Cameron, J. A. and Johnstone.)
Johnstone, Robert M., Roselle Park, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Grinding apparatus. 1,567,272; Dec. 29.
Jones, Coleman L. (See Scoby, Samuel T., assignor.)
Jones, Paul, Cincinnati, Ohio. Cane. 1,567,322; Dec. 29.
Jones, Ralph E., Troy, Mont. Wheel holder. 1,567,953; Dec. 29.
Jones, William C., Niantic, Ill. Molding flask. 1,567,058; Dec. 29.
Jordan, Harry I., Auburn, Me., assignor to Lamino Manufacturing Company. Golf club. 1,567,323; Dec. 29.
Joseph, Lew, New York, N. Y. Combined mirror, soap receptacle, and brush holder. Des. 69,137; Dec. 29.
Joseph, Louis D., New York, N. Y. Combination transmission or brake-lining member. 1,567,846; Dec. 29.
Joseph, Norbert G. (See Pease, O. E., and Joseph.)
Josselyn, Stormont, Atlantic, assignor to G. Zain, Brookline, Mass. Fountain pen. 1,567,059; Dec. 29.
Jullien, Marcel A., Paris, France. Making of sheet-copper electrolytically. 1,567,737; Dec. 29.
Jurs, Albert E., assignor to The Threaded Products Company, Oakland, Calif. Hose coupling. 1,567,324; Dec. 29.
Kallenbach, Edward E., New York, N. Y. Bottle-label press. 1,567,149; Dec. 29.
Kalm, Samuel, assignor to J. Chesler Sons Co., Brooklyn, N. Y. Doorknob. 1,567,954; Dec. 29.
Karitzky, John, Garwood, assignor to H. B. Newhall, Plainfield, N. J. Nail expansion and method. 1,567,273; Dec. 29.
Kato, Jinshichi, Kyoto, Japan. Injection for hemorrhoids. 1,567,847; Dec. 29.
Kaye, John A., Sault Ste. Marie, Ontario, Canada. Shingle strap. 1,567,150; Dec. 29.
Kaye, John A., Sault Ste. Marie, Ontario, Canada. Shoelacing device. 1,567,651; Dec. 29.
Keaton, Robert H., San Francisco, Calif. Automobile tire. Des. 69,138; Dec. 29.
Keene, James A., London, England. Device for perforating the leaves of loose-leaf books and other papers to be filed. 1,567,374; Dec. 29.
Keller, George W., Portsmouth, Ohio. Driving and engine truck box lubricator. 1,567,652; Dec. 29.
Keller, Leo, New York, and S. B. Williams, Brooklyn, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,060; Dec. 29.
Kellogg Switchboard and Supply Company. (See Bohlman, Ernest A., assignor.)
Kellogg Switchboard and Supply Company. (See Grigoleit, Henry J., assignor.)
Kelly, Hugh W., Woodbridge, N. J. Track torpedo. 1,567,151; Dec. 29.
Kelly, Lynn M. (See Shaw, Ira C., assignor.)
Kelly, Patrick J., Philadelphia, Pa. Inductance coil. 1,567,600; Dec. 29.
Kelly, William M., Jersey City, N. J. Printing-press-bed movement. 1,567,152; Dec. 29.
Kelly, William M., Westfield, N. J. Sheet-delivery apparatus. 1,567,153; Dec. 29.
Kenyon, Otis A., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Electric welding. 1,567,601; Dec. 29.
Keogh, John W., assignor to Federation of College Catholic Clubs, Philadelphia, Pa. Badge. Des. 69,139; Dec. 29.
Kern, Conrad J., assignor to The Moore & White Company, Philadelphia, Pa. Drive stand. 1,567,955; Dec. 29.
Kersten, Samuel, Chicago, Ill. Combination-faucet connection. 1,567,956; Dec. 29.
Keser, Frits, Schomberg, Germany. Steam sterilizing apparatus for domestic use. 1,567,994; Dec. 29.
Kesselman, Michael B., New York, N. Y. Liquid vaporizer and distributor. 1,567,957; Dec. 29.
Keuffel, Adolf W., Montclair, assignor to Keuffel and Esser Company, Hoboken, N. J. Tapeline measure. 1,567,602; Dec. 29.
Keuffel and Esser Company. (See Keuffel, Adolf W., assignor.)
Keuffel and Esser Company. (See Keuffel, Willie L. E., assignor.)
Keuffel, Willie L. E., Weehawken, assignor to Keuffel and Esser Company, Hoboken, N. J. Drawing table. 1,567,513; Dec. 29.
Kidwell, James H., Staunton, Va. Feed-water heater for locomotives. 1,567,514; Dec. 29.
Kijima, Kenji, and M. Ito, Los Angeles, Calif. Automobile shock absorber. 1,567,515; Dec. 29.
Kimball, James L., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Pressure regulator. 1,567,995; Dec. 29.
Kimble, Dwight. (See Braun, F., and Kimble.)
King, Bertell W., New York, N. Y. Control and steering mechanism for automobiles. 1,567,603; Dec. 29.
Kirchhoff, Richard, Stuttgart, Germany. Rectum tube. 1,567,604; Dec. 29.
Kirchner, Ernst A., Minneapolis, Minn. Gem setting. 1,567,516; Dec. 29.
Kirschbraun, Lester, Chicago, Ill. Making bituminous emulsions. 1,567,061; Dec. 29.
Kisbey, Roy D., Sacramento, Calif. Shock absorber. 1,567,517; Dec. 29.
Kitchen, Joseph M. W., East Orange, N. J. Apparatus for treating inctic fluids. 1,567,274; Dec. 29.
Klein, Mack, Revere, Mass. Traction shoe. 1,567,275; Dec. 29.
Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc. Candlestick. Des. 69,140; Dec. 29.
Kleinschmidt, Edward E., Brooklyn, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Telegraph typewriter. 1,567,392; Dec. 29.
Kleinschmidt, Edward E., Long Island City, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Telegraph typewriter. 1,567,599; Dec. 29.
Klinch Lath Corporation. (See Strand, Joseph, assignor.)
Kliner, Emil S., Burlington, Iowa. Collapsible toy building. 1,567,849; Dec. 29.
Kloss, F. J., Inc. (See Pease, O. E., and Joseph, assignors.)
Knight, Lee G., Omaha, Nebr. Pencil. 1,567,738; Dec. 29.
Knutson, Theodore, Fertile, Minn. Game. 1,567,154; Dec. 29.
Koch, Augustus J., Syracuse, assignor to New York Central Railroad Company, New York, N. Y. Plate or similar article of manufacture. Des. 69,141; Dec. 29.
Kohn, Herman, Oakland, Calif. Nut lock. 1,567,653; Dec. 29.
Kokomo Electric Co. (See Schneiderman, Kenneth J., assignor.)
Königh, Alfred, Charlottenburg, assignor to the Firm: Staatliche Porzellan-Manufactur, Berlin, Germany. Porcelain crucible. 1,567,654; Dec. 29.
Koontz, Frederick B., assignor to Cosden & Company, Tulsa, Okla. Process of an apparatus for cracking hydrocarbons. 1,567,062; Dec. 29.
Kositzky, Carl R., Bismarck, N. Dak. Foldable table. 1,567,958; Dec. 29.
Kowalzcyk, Gust and J., assignors of one-third to G. H. McGrath, Houtzdale, Pa. Tire tool. 1,567,276; Dec. 29.
Kowalzyck, Joseph. (See Kowalzcyk, Gust and J.)
Kraemer, Frank, Los Angeles, Calif., assignor to Sun-Ray Works, Inc. Water purifier. 1,567,186; Dec. 29.
Krauss, Friedrich E., Schwarzenberg, Germany. Fire extinguisher. 1,567,959; Dec. 29.
Krueger, Theodore H., New York, N. Y. Tape-serving device. 1,567,655; Dec. 29.
Kühn, Ernst, jr., assignor to the Firm of: Anton Benz, Solingen, Germany. Apparatus for making artificial hartshorn scales for pocketknives. 1,567,739; Dec. 29.
Kumellike, Lorenz L., Napa, Calif. Radiofrequency transmission system. 1,567,848; Dec. 29.
Labbe, Armand L., Murray, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Composition for electric insulators and preparing same. 1,567,277; Dec. 29.
Lachman, Laurence S., New York, N. Y. Composite or skeleton metal work and producing the same. 1,567,278; Dec. 29.
Laidley, William W. (See Croson, Harry L., assignor.)
Lalique, René, Paris, France. Glass box or similar article. Des. 69,142; Dec. 29.
Lamino Manufacturing Company. (See Jordan, Harry I., assignor.)
Landrum, Reginald F., Brooklyn, N. Y. Connecter. 1,568,022; Dec. 29.
Langill, Stanley B., assignor to The Prescott Company, Menominee, Mich. Sawmill dog. 1,567,518; Dec. 29.
Langston, Samuel M., Wenonah, N. J. Sheet scoring and slotting mechanism. 1,567,656; Dec. 29.

Larkin, Dennis F., San Francisco, Calif. Tobacco-smoker's accessory. 1,567,063; Dec. 29.
Larsh, Everett P., Dayton, Ohio. Short-circuiting device for commutators. 1,567,657; Dec. 29.
La Scola, Michael, Pittsburgh, Pa., assignor to Markel Lighting Fitments, Inc., Buffalo, N. Y. Globe holder. 1,567,064; Dec. 29.
Lasker, William W., jr., Brooklyn, N. Y. Record for accounting systems. 1,567,325; Dec. 29.
La Societe Parfumerie Roger & Gallet Siege Social. (See Rocherolles, Jacques, assignor.)
Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball glove or mitt. 1,567,858; Dec. 29.
Lauren, John W., Sterling, Ill. Wire pointer. 1,567,960; Dec. 29.
Lauren, John W., Sterling, Ill. Apparatus for producing elongated metal forms. 1,567,961; Dec. 29.
Lavagetto, Joseph T. L., Portland, Oreg. Plant protector. 1,567,740; Dec. 29.
Lavell, Lulu V., Minneapolis, Minn. Candleholder. Des. 69,143; Dec. 29.
Lawrence, Ruben B., Bellevue, assignor to Federal Laboratories, Incorporated, Pittsburgh, Pa. Article-carrying container. 1,567,065; Dec. 29.
Lawrence, Ruben B., Bellevue, assignor to Federal Laboratories, Incorporated, Pittsburgh, Pa. Hand weapon. 1,567,659; Dec. 29.
Lay, Charles, San Antonio, Tex. Multiple fuse plug. 1,567,187; Dec. 29.
Leclerc, Emile, and J. Bibaud, St. Hyacinthe, Quebec, Canada. Mop wringer. 1,567,519; Dec. 29.
Lee, Claire M., Elyria, Ohio. Gas lighter. 1,567,962; Dec. 29.
Lee, Harry S., Plymouth, Mich. Thermostatic core centralizer. 1,567,605; Dec. 29.
Lee, Harry S., Plymouth, Mich. Automatic core centralizer. 1,567,606; Dec. 29.
Lehr, Edwin E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,567,607; Dec. 29.
Lehr, Justus W., Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Alcohol Co. Nickel-Copper Alloy. 1,567,066; Dec. 29.
Leggett, Arthur L., Denver, Colo. Signaling instrument. 1,567,660; Dec. 29.
Leigh, Don A., Fellows, Calif. Vacuum and pressure governor regulator or control. 1,567,520; Dec. 29.
Leigh, Don A., Fellows, Calif. Vacuum and pressure stabilizer. 1,567,521; Dec. 29.
Lepley, Daniel F., Connellsville, Pa. Overturning cage. 1,567,522; Dec. 29.
Leriche, Willis. (See Collier, B. C., and Leriche.)
Lesmann, Herman P., assignor to Antiseptol Liquid Soap Company, Chicago, Ill. Liquid-soap dispenser. 1,567,444; Dec. 29.
Levaggi, John, and W. J. Doherty, Los Angeles, Calif. Doll-dress structure. 1,567,661; Dec. 29.
Lewis, Aaron L., et al. (See McQuaid, Harry W., assignor.)
Liberman, Bernard, Philadelphia, Pa. Cigar bunching. 1,567,279; Dec. 29.
Lidgerwood Manufacturing Company. (See Duboscland, Paul, assignor.)
Liggett & Myers Tobacco Company. (See Noland, Edward T., assignor.)
Lillard, William B., Jackson, Tenn. Doll. Des. 69,144; Dec. 29.
Lindberg, John F., assignor to Reliance Die and Stamping Company, Chicago, Ill. Condenser. 1,567,067; Dec. 29.
Lindberg, John F., assignor to Reliance Die and Stamping Company, Chicago, Ill. Electric condenser. 1,567,068; Dec. 29.
Lindsay, Robert F., sr., Greenville, S. C. Can bracket and hanger. 1,567,523; Dec. 29.
Litchfield, Isaac W., Newtonville, Mass. Electric connecter. 1,567,155; Dec. 29.
Lloyd, Alfred, London, England. Electrotherapeutic appliance. 1,567,741; Dec. 29.
Lohff, William F., Holstein, Iowa. Safety bank check. 1,567,156; Dec. 29.
Lohn, Simon E., Georgeville, Minn. Tag fastener. 1,567,524; Dec. 29.
Long, George F., Elmhurst, N. Y. Rod-locking device. 1,567,850; Dec. 29.
Loper, Alexander P., Stonington, Conn. Fire-alarm-signal-transmitting apparatus. 1,567,326; Dec. 29.
Lorber, Charles, Louisville, Ky. Key case. 1,567,851; Dec. 29.
Lorenzetti, Lorenzo. (See Marpillero, P., Lorenzetti, and Marzola.)
Lösel, Franz, Brunn, Czechoslovakia. Steam-turbine construction. 1,568,034; Dec. 29.
Lozano, José M., New York, N. Y. Souvenir lamp shade. 1,567,742; Dec. 29.
Lubowsky, Simon J., Jersey City, assignor to Metal & Thermit Corporation, Chrome, N. J. Refractory material, articles made therefrom, and making the same. 1,567,445; Dec. 29.
Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric lamp. 1,567,852; Dec. 29.
Luce, Cortlandt F. (See McManus, H., and Luce.)
Ludwig & Ludwig, Inc. (See Danly, Robert C., assignor.)
Ludwig & Ludwig, Inc. (See Ludwig, William F., assignor.)
Ludwig, William F., assignor to Ludwig & Ludwig, Inc., Chicago, Ill. Combined musical catanet and jingle. 1,567,803; Dec. 29.
Luftschiffbau Zeppelin G. m. b. H. (See Dörr, Wilhelm E., assignor.)
Luftschiffbau Zeppelin G. m. b. H. (See Dörr, Wilhelm Liam A., assignor.)
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Allotter-controlling system. 1,567,069; Dec. 29.
Lundell, George A. E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,280; Dec. 29.
Lundgren, Edwin, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y. Automatic stoker. 1,567,525; Dec. 29.
Lupo, Joseph, jr., New York, N. Y. Radiodial. 1,567,963; Dec. 29.
Lynch, Frederick J., New Westminster, British Columbia, Canada. Gate securing and closing means. 1,567,526; Dec. 29.
Lynn, John P., and H. A. Funk, Chicago, Ill. Fountain pen. 1,567,527; Dec. 29.
Lyon, Norman W., assignor to E. O. Sutton, Springfield, Mass. Oil burner. 1,567,608; Dec. 29.
M. M. Combination Shades and Curtains Hanger Manufacturing Company. (See Mathis, Alfred, assignor.)
Macaux, Henri, assignor to Societe Lyonnaise des Eaux et de l'Eclairage, Paris, France. Gasifying and carbonizing coal and like fuel substances. 1,567,967; Dec. 29.
MacDonald, Don E., and L. Van Alst, assignors to R. E. Chapin Mfg. Works, Batavia, N. Y. Liquid sprayer. 1,567,743; Dec. 29.
MacDougall, Harry W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,567,282; Dec. 29.
Macfarlane, James C. (See Austin, G., and Macfarlane.)
Macfarlane, William A. (See Austin, G., and Macfarlane.)
Mack, Carl, New York, assignor, by mesne assignments, to Mack Lock Co. Inc., Long Island City, N. Y. Vehicle latch. 1,567,662; Dec. 29.
Mack, Joseph H., Passaic, N. J. Textile fabric. Des. 69,145; Dec. 29.
Mack Lock Co. (See Mack, Carl, assignor.)
MacMillan, John R., La Salle, assignor to Niagara Alkali Company, Niagara Falls, N. Y. Making thin boiling starch. 1,567,609; Dec. 29.
Macnaughton, Ronald G., and M. R. Walker, Los Angeles, Calif. Golf swing device. 1,567,530; Dec. 29.
Magni, Piero, Genoa, Italy. Variable fluido-dynamic wings such as for aeroplanes. 1,567,531; Dec. 29.
Maillot, Louis J., East St. Louis, Ill. Illuminated license plate. 1,567,070; Dec. 29.
Manchester, Clyde C., assignor to The Ayling & Reichert Company, Toledo, Ohio. Metal float. 1,567,968; Dec. 29.
Manhattan Electrical Supply Company. (See Yngve, Victor, assignor.)
Mann, John C. (See Butler, T. H., Popham, Mann, and Robinson.)
Manufacturers' Equipment Company. (See Gossett, Robert W., assignor.)
Marburg, Hans, Halensee, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone switch. 1,567,532; Dec. 29.
Marcheni, Saull, et al. (See Michelotti, Louis, assignor.)
Marek, August, Yoakum, Tex. Insect exterminator. 1,567,969; Dec. 29.
Markel Lighting Fitments, Inc. (See La Scola, Michael, assignor.)
Marpillero, Paola, L. Lorenzetti, and I. Marzola, Milan, Italy. Construction material and manufacturing same. 1,567,663; Dec. 29.
Marsh, Harry S., Brooklyn, N. Y. Cigarette machine. 1,567,533; Dec. 29.
Marsland, Roland, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governor. 1,567,970; Dec. 29.
Martin, Cellie M., Hoges Store, and M. Arun, Roanoke, Va. Water motor. 1,567,971; Dec. 29.
Martin, Harry C., assignor to The Carborundum Company, Niagara Falls, N. Y. Making abrasive disks. 1,567,071; Dec. 29.
Martin, Joseph D., Summerside, Prince Edward Island, Canada. Rail-securing device. 1,567,664; Dec. 29.
Martin, Shellman R., Wrightsville, Ga. Radius-rod support. 1,567,665; Dec. 29.
Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Special service trunk for automatic telephone systems. Re16,237; Dec. 29.
Martindale, Homer D., Middletown, Ohio. Paper drier and the like. 1,567,377; Dec. 29.
Marzola, Ivo. (See Marpillero, P., Lorenzetti, and Marzola, Ivo. (See Marpillero, P., Lorenzetti, and Marzola.)
Mason, Henry L., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governor. 1,567,666; Dec. 29.
Mathes, Virgil H., Indianapolis, Ind. Timer. 1,567,827; Dec. 29.





Mathis, Alfred, North Bergen, assignor to M. M. Combination Shades and Curtains Hanger Manufacturing Company, North Bergen, Township, N. J. Combination bracket. 1,567,744; Dec. 29.
Matthies, William H., Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,072; Dec. 29.
Matthies, William H., Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,283; Dec. 29.
Mau Manufacturing Company. (See Mau, Rudolph F., assignor.)
Mau, Rudolph F., Chicago, Ill., assignor to Mau Manufacturing Company. Lubricating device. 1,567,745; Dec. 29.
Maude, Aylmer H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Method of and device for detecting oxygen. 1,567,534; Dec. 29.
May, Carl. (See Cole, L. C., Pasbat, and May.)
Mayer, Bertram, and W. Moser, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Indigoid dyestuff of the anthraquinone series and intermediate products and making same. 1,567,158; Dec. 29.
Maytag Company, The. (See Snyder, Howard F., assignor.)
McCasland, James J., Haskell, Tex. Plow. 1,567,964; Dec. 29.
McCaslin, John P., Lakewood, assignor to The McKinney Steel Company, Cleveland, Ohio. Bar-scraping apparatus for rolling mills. 1,567,375; Dec. 29.
McClelland, John H., Forrestville, Conn. Washing machine. 1,567,804; Dec. 29.
McClelland, John L., assignor to American Sharpening Machine Company, Kalamazoo, Mich. Wheel puller and the like. 1,567,157; Dec. 29.
McClelland, Richmond W., San Francisco, Calif. Demountable clip for brake bands. 1,567,854; Dec. 29.
McClure, Edward, Chicago, Ill. Wire-mesh guard and the like. 1,567,446; Dec. 29.
McCord Radiator & Mfg. Co. (See Jaffe, Harry, assignor.)
McCracken, Charles C., Bradner, Ohio. Folding ladder. 1,567,447; Dec. 29.
McDonald, Leslie R., Montreal, Quebec, Canada. Display apparatus. 1,567,281; Dec. 29.
McDonald, William R., South Houston, Tex. Propeller. 1,567,528; Dec. 29.
McFall, Robert J., Amherst, Mass. Leather-measuring machine. 1,567,965; Dec. 29.
McGrath, George H. (See Kowalzcyk, Gust and J., assignors.)
McIntyre, George C., and S. L. Barlow, San Diego, Calif. Battery electrolyte-level-indicating means. 1,567,376; Dec. 29.
McKaig, Charles, Syracuse, assignor to United Hotels Company, New York, N. Y. Plate or similar article of manufacture. Des. 69,147; Dec. 29.
McKee, Jule B., assignor of twelve per cent to M. P. Planche, twelve per cent to E. J. Frederick, and twenty-four per cent to F. J. Heintz, Covington, La. Tractor guide attachment. 1,567,853; Dec. 29.
McKenzie, Andrew, South Warren, R. I. Puzzle game. 1,567,966; Dec. 29.
McKinney Steel Company, The. (See McCaslin, John P., assignor.)
McLaughlin Coal Reduction Company. (See Williams, Wister C., assignor.)
McManus, Henry, Hartford, and C. F. Luce, West Hartford, assignors to The Eureka-Cinema Corporation, Hartford, Conn. Picture screen. 1,568,023; Dec. 29.
McMullen, Sidney R., et al. (See De Spain, Thomas L., assignor.)
McQuaid, Harry W., assignor of fifty-two hundredths to A. L. Lewis, and twenty-four hundredths to C. E. Runyon, Canton, Ohio. Fuse plug. 1,567,529; Dec. 29.
McQuay-Norris Manufacturing Company. (See Mummert, Arden J., assignor.)
Mead, Brian, Boston, Mass., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Producing lead compounds. 1,567,159; Dec. 29.
Meadows, J. Floyd, et al. (See Chandler, Frank M., assignor.)
Meany, Daniel N., and E. N. Ellsworth, assignors to Electric Fireplace Manufacturing Company, Chicago, Ill. Electric fireplace. 1,567,855; Dec. 29.
Mee, Charles G. (See Rebenschied, O. H., and Mee.)
Meehan, Edward S., Kansas City, Mo. Vehicle driving mechanism. 1,567,972; Dec. 29.
Mendelson, Abraham A., Philadelphia, Pa. Pneumatic figure toy. 1,567,973; Dec. 29.
Mensenkamp, Edward. (See Haller, F. J., and Mensenkamp.)
Mercadante, Joseph. (See Groh, Melvin S., assignor.)
Merit Lamp & Novelty Co. (See Cricchi, Paul, assignor.)
Merriman, Thomas C., Tunstall, England, assignor to William S. Pitcairn Corporation, New York, N. Y. Covered dish. Des. 69,148; Dec. 29.
Metal Forms Corporation. (See Trester, Herault A., assignor.)
Metal & Thermit Corporation. (See Lubowsky, Simon J., assignor.)
Meyer, Henry J., New Orleans, La. Cooking-utensil-cover support. 1,567,160; Dec. 29.
Michelotti, Louis, assignor of one-half to S. Uhr and S. J. Pariser, copartners trading as Advance Electric Lighting Fixture Manufacturing Company, and one-half to L. Michelotti and S. Marcheni, Philadelphia, Pa., copartners trading as Philadelphia Ornamental Lamp Company. Lighting fixture. Des. 69,149; Dec. 29.
Michelotti, Louis, assignor of one-half to S. Uhr and S. J. Pariser, copartners trading as Advance Electric Lighting Fixture Manufacturing Company, and one-half to L. Michelotti and S. Marcheni, Philadelphia, Pa., copartners trading as Philadelphia Ornamental Lamp Company. Lighting fixture. Des. 69,150; Dec. 29.
Michelotti, Louis, assignor of one-half to S. Uhr and S. J. Pariser, copartners trading as Advance Electric Lighting Fixture Manufacturing Company, and one-half to L. Michelotti and S. Marcheni, Philadelphia, Pa., copartners trading as Philadelphia Ornamental Lamp Company. Lighting fixture. Des. 69,151; Dec. 29.
Michelotti, Louis, assignor of one-half to S. Uhr and S. J. Pariser, copartners trading as Advance Electric Lighting Fixture Manufacturing Company, and one-half to L. Michelotti and S. Marcheni, Philadelphia, Pa., copartners trading as Philadelphia Ornamental Lamp Company. Lighting fixture. Des. 69,152; Dec. 29.
Michelotti, Louis, assignor of one-half to S. Uhr and S. J. Pariser, copartners trading as Advance Electric Lighting Fixture Manufacturing Company, and one-half to L. Michelotti and S. Marcheni, Philadelphia, Pa., copartners trading as Philadelphia Ornamental Lamp Company. Lighting fixture. Des. 69,153; Dec. 29.
Michelotti, Louis, assignor of one-half to S. Uhr and S. J. Pariser, copartners trading as Advance Electric Lighting Fixture Manufacturing Company, and one-half to L. Michelotti and S. Marcheni, Philadelphia, Pa., copartners trading as Philadelphia Ornamental Lamp Company. Lighting fixture. Des. 69,154; Dec. 29.
Michetti, Alessandro, Rome, Italy. Device adapted to maintain for a predetermined period of time a continuously-moving band, film, or the like opposite a stationary body. 1,567,746; D ec. 29.
Miehle Printing Press & Manufacturing Company. (See Cheshire, Edward, assignor.)
Miehle Printing Press & Manufacturing Company. (See Dudley, Edward F., assignor.)
Miehle Printing Press & Manufacturing Company. (See Dudley, E. F., and Stevens, assignors.)
Miehle Printing Press & Manufacturing Company. (See Jacobson, Arthur G., assignor.)
Millar, William S., London, England. Desulphurization and concentration of sulphide iron ores. 1,567,378; Dec. 29.
Miller, Frank B., Norwalk, Ohio. Method and apparatus for forming candy whistles. 1,567,284; Dec. 29.
Miller, George H., assignor to Arcadia Full Fashioned Hosiery Corporation, Philadelphia, Pa. Full-fashioned stocking, making the same. 1,567,535; Dec. 29.
Miller, Hans R., and C. M. Torgerson, Fergus Falls, Minn. Signal device for motor vehicles. 1,567,379; Dec. 29.
Miller Improved Gas Engine Company, The. (See Watts, Elmer A., assignor.)
Miller, James A. (See Elliott, H. F., and Miller.)
Miller, Nelson W., Tiffin, Ohio. Attachment for seeding machines. 1,567,536; Dec. 29.
Miller, Ray G., West Englewood, N. J. Instrument for teaching telegraphy. 1,567,667; Dec. 29.
Miller, Van P., Chicago Heights, Ill. Ice-can filler. 1,567,161; Dec. 29.
Minor, William A., assignor to Luitweiler Pumping Engine Company, Rochester, N. Y. Hydropneumatic pumping system. 1,567,448; Dec. 29.
Mitchell, Frank A., San Francisco, Calif. Baby carrier. 1,567,285; Dec. 29.
Mocigemba, Emanuel, Rheinbach, Germany. Screw pump. 1,567,073; Dec. 29.
Mock, Frank C., assignor to Stromberg Motor Devices Company, Chicago, Ill. Air-temperature control for carburetors. 1,567,805; Dec. 29.
Mock, Frank C., assignor to Stromberg Motor Devices Company, Chicago, Ill. Fuel separator and vaporizer. 1,567,806; Dec. 29.
Mock, Frank C., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carburetor. 1,567,807; Dec. 29.
Mock, Frank C., assignor to Stromberg Motor Devices Co., Chicago, Ill. Fuel vaporizer. 1,567,810; Dec. 29.
Mock, Frank C., and M. E. Chandler, assignors to Stromberg Motor Devices Company, Chicago, Ill. Fuel separator and vaporizer. 1,567,808; Dec. 29.
Mock, Frank C., and M. E. Chandler, assignors to Stromberg Motor Devices Company, Chicago, Ill. Heating attachment for intake manifolds. 1,567,809; Dec. 29.
Mockus, Herman, Chicago, Ill. Drainage valve. 1,567,537; Dec. 29.
Moldenke, Richard, Watchung, N. J., and W. Schumacher, Berlin, Germany; said Schumacher assignor to said Moldenke. Making aluminum sulphate from aluminous materials. 1,567,610; Dec. 29.
Monk, William B., Birmingham, assignor to The Dunlop Rubber Company, Limited, Regent's Park, London, England. Feeding apparatus for use in conjunction with cutting machines. 1,567,449; Dec. 29.
Monroe, Charles W., Parkersburg, W. Va. Treatment of pyorrhea. 1,567,974; Dec. 29.
Moore, James A. (See Stevens, E. W., and Moore.)

Moore & White Company, The. (See Kern, Conrad J., assignor.)
Moore, William D., and D. Beatty, assignors to American Cast Iron Pipe Company, Birmingham, Ala. Flanged pipe and producing. 1,567,286; Dec. 29.
Morgan Construction Company. (See Crosby, Fred B., assignor.)
Morgan, Henry M., jr., Norwood, Mass. Roofing. 1,567,538; Dec. 29.
Morgan, Horace H., assignor to Palmer-Bee Company, Detroit, Mich. Conveyer chain. 1,567,162; Dec. 29.
Morgan, Thurlow W., and W. W. Murray, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Preventing discoloration of canned foods. 1,567,163; Dec. 29.
Morimoto, Yasaburo, Hollywood, Los Angeles, Calif. Automobile traffic signal. 1,567,539; Dec. 29.
Morkrum-Kleinschmidt Corporation. (See Kleinschmidt, Edward E., assignor.)
Morphy, David M., De Kalb, Ill., assignor to Utica Heater Company, Utica, N. Y. Warm-air furnace. 1,567,287; Dec. 29.
Morris, Paul C., Youngstown, Ohio. Incense burner. Des. 69,155; Dec. 29.
Morrison, Harriett, administratrix. (See Morrison, Jesse A.)
Morrison, Jesse A., deceased, Salt Creek, Wyo.; H. Morrison, administratrix. Well-drilling-cable spooler. 1,567,164; Dec. 29.
Morrison, Robert A., Portland, and F. L. Oswald, Gladstone, Oreg. Flatiron stand. 1,567,450; Dec. 29.
Mosebach, Gustav., Nordhausen, Germany. Recovering the lye from disintegrated celluloses. 1,567,665; Dec. 29.
Moser, Wilhelm. (See Mayer, B., and Moser.)
Moss, David H., Newark, N. J., N. J. Celenza, Brooklyn, N. Y., and W. H. Gerns, East Orange, assignors, by mesne assignments, to Brandes Laboratories, Inc., Newark, N. J. Terminal block and connections for telephone receivers. 1,567,856; Dec. 29.
Mossbacher, Solomon, New York, N. Y. Tie press. 1,567,451; Dec. 29.
Mossberg, Frank, Company. (See Tuttle, Walter I., assignor.)
Mudd, Garrett W., assignor of one-half to H. R. Baker, Chicago, Ill. Can-sealing machine. 1,567,074; Dec. 29.
Muir, Charles S., Chevy Chase, Md. Game. 1,567,975; Dec. 29.
Multiple Electric Products Company. (See Swenson, Swen R., assignor.)
Mummert, Arden J., University City, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston and piston ring. 1,567,452; Dec. 29.
Mummery, Clyde W., Richmond, Mich. Burner. 1,567,288; Dec. 29.
Munroe, Treadway B., Forest Glen, Md. Machine for cutting sheets into suitable lengths and widths. 1,567,289; Dec. 29.
Murphy, Thomas F., New York, N. Y. Doorlock. 1,567,811; Dec. 29.
Murrah, Louie T., Dallas, Tex. Oscillating figure for automobiles. 1,567,453; Dec. 29.
Murray, Charles E., assignor of one-half to J. C. Nunnally, Los Angeles, Calif. Antiskid brake for vehicles. 1,567,454; Dec. 29.
Murray, John P., Washington, D. C. Typographical machine. 1,567,857; Dec. 29.
Murray, William W. (See Morgan, T. W., and Murray.)
Musacchia, Joe, Sacramento, Calif. Shank skiver. 1,567,669; Dec. 29.
Myers, George F., New York, N. Y. Flying machine. 1,567,670; Dec. 29.
Myers, Jesse C., York, Pa. Chalk-line holder. 1,567,976; Dec. 29.
National Acme Company, The. (See Drissner, Alfred E., assignor.)
National Airoil Burner Company. (See Straits, John F., assignor.)
National Equipment Company. (See Bausman, Alonzo L., assignor.)
Neisrvender, Charles W. (See Clinton, Arthur J., assignor.)
Nelson, Albert, Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake shoe. 1,567,290; Dec. 29.
Nessling, Edwin V., Chicago, Ill., and R. M. Warwick, Eastlake, Fla.; said Nessling assignor to said Warwick. Dispensing device. 1,567,977; Dec. 29.
New Elswick Trading Company, The. (See Van Damme, Victor, assignor.)
Newhall, Henry B. (See Karitzky, John, assignor.)
Newton, Daniel L., Fullerton, Calif. Evaporating still. 1,567,455; Dec. 29.
Newton, Daniel L., Fullerton, Calif. Absorption tower. 1,567,456; Dec. 29.
Newton, Daniel L., Fullerton, Calif. Distilling and blending hydrocarbons. 1,567,457; Dec. 29.
Newton, Daniel L., Fullerton, Calif. Apparatus for distilling and blending hydrocarbons. 1,567,458; Dec. 29.
"New Way" Motor Company. (See Bailey, Curtis L., assignor.)
New York Central Railroad Company. (See Koch, Augustus J., assignor.)
Niagara Alkali Company. (See MacMillan, John R., assignor.)
Niece, Fred G., Cleveland, Ohio. Rotary spark gap. 1,567,978; Dec. 29.
Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)
Niles-Bement-Pond Company. (See Cole, L. C., Pabst, and May, assignors.)
Nilson, Nils W., Walpole, Mass., assignor to Advance Automobile Accessories Corp., Chicago, Ill. Friction material. 1,567,858; Dec. 29.
Noblitt, William L., assignor of one-half to W. N. Dorsey, Shelby, N. C. Loom cleaning device. 1,567,540; Dec. 29.
Noelting, William H., and E. A. Smithfield, assignors to Faultless Caster Company, Evansville, Ind. Rigid caster. 1,567,380; Dec. 29.
Noland, Edward T., St. Louis, Mo., assignor to Liggett & Myers Tobacco Company, New York, N. Y. Package and method of packing. 1,567,165; Dec. 29.
Norris, Paul E., Wilkinsburg, assignor to Westinghouse Union Battery Company, Swissvale, Pa. Storage-battery separator. 1,567,747; Dec. 29.
Norsk Hydro-Elektrisk Kvaelstofaktieselskab. (See Axelsen, Peter T., assignor.)
Northrop, Charles E., deceased, by C. L. Northrop, administratrix, Orion, Mich. Lock. 1,567,979; Dec. 29.
Northrop, Clara L., administratrix. (See Northrop, Charles E.)
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Warp stop motion for looms. 1,567,166; Dec. 29.
Novak, Anton, jr., Milford, Nebr. Oil can. 1,567,291; Dec. 29.
Nugent, Joseph A., Winnipeg, Manitoba, Canada. Advertising frame. 1,567,459; Dec. 29.
Nunn, Samuel J. (See Tunison, M. C., and Nunn.)
Nunn & Tunison. (See Tunison, M. C., and Nunn, assignors.)
Nunnally, John C. (See Murray, Charles E., assignor.)
Nyquist, Edward C., Chicago, Ill. Stand lamp. Des. 69,156; Dec. 29.
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Four-wire repeater circuits. 1,567,167; Dec. 29.
Nystrom, Karl F., Chicago, Ill. Refrigerator-car batch closure. 1,567,671; Dec. 29.
Ober, Dean C., and A. R. Askue, East Cleveland, Ohio. Cutter for removing cable insulations. 1,567,812; Dec. 29.
Oehler, Ernst, Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Device for relatively propping piston engines on ships. 1,567,748; Dec. 29.
Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)
Ogden, John E. (See Smith, Ezra B., assignor.)
Ohio Foundry & Manufacturing Co., The. (See Sharp, Alexander B., assignor.)
Oishei, John R., Buffalo, N. Y. Motor for windshield cleaners. 1,567,328; Dec. 29.
Olander, Kemuel B., Minneapolis, Minn. Folding ironing table. 1,567,168; Dec. 29.
Oleson, Olaf E., Chicago, Ill. Pipe fitting. 1,567,813; Dec. 29.
Olley, Edwin A. (See Smith, F. C., and Olley.)
Olson, Peter C. (See Corser, J., and Olson.)
Omaha Trust Company, trustee. (See Elrod, B. S., and Hector, assignors.)
Opanchyk, Mike, assignor of three-fourths to S. M. Bradley and one-fourth to T. M. Bradley, jr., Birmingham, Ala. Shock absorber. 1,567,381; Dec. 29.
Orange Lighting Fixture Manufacturing Company. (See Seidell, Alfred P., assignor.)
Ornell, John V., Philadelphia, Pa. Means for utilizing power from streams. 1,567,859; Dec. 29.
Oswald, Alfred E., Bogota, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Electric motor. 1,567,672; Dec. 29.
Oswald, Franklin L. (See Morrison, R. A., and Oswald.)
Owen, Herbert W., Lowell, assignor to Saco-Lowell Shops, Boston, Mass. Cotton-working machine. 1,567,611; Dec. 29.
Owens, Harvey M., Leominster, Mass. Holder for signs. 1,567,292; Dec. 29.
Oxigus Burner Company. (See Blanchard, Thomas R., assignor.)
Oxley, Arthur E., assignor of one-half to The British Cotton Industry Research Association, Manchester, and one-half to Platt Brothers and Company, Limited, Oldham, England. Revolving-flat carding engine. 1,567,541; Dec. 29.
Oylear, Claude E., Epworth, Mo. Discouraging a hen from brooding. 1,567,980; Dec. 29.
P. & M. Company, The. (See De Busk, William H., assignor.)
Pabst, Otto. (See Cole, L. C., Pabst, and May.)
Page, Cyril D., and F. A. Behounek, Grand Forks, N. Dak. Recording system. 1,567,981; Dec. 29.
Palmer-Bee Company. (See Morgan, Horace H., assignor.)
Palombella, Pasquale, Springfield, Mass. Shoe-shining stand. 1,567,673; Dec. 29.





Parlser, Samuel J., et al. (See Michelotti, Louis, assignor.)
Parsons, Howard G., Washington, D. C. Garter. 1,567,460; Dec. 29.
Pascale, Pasquale, New York, assignor to Restucci Steam Valve Corporation, Manhattan, N. Y. Steam valve. 1,567,612; Dec. 29.
Patent Button Company, The. (See White, Franklin R., assignor.)
Pates, James S., Pittsburgh, Pa. Tipple-screen cleaner. 1,567,075; Dec. 29.
Patterson, Alfred W., Los Angeles, Calif. Locked pocket-book appliance. 1,567,461; Dec. 29.
Patterson, Ralph R., Alameda, Calif. Rear-view mirror. 1,567,169; Dec. 29.
Patton, John, jr., Charleston, W. Va. Bank check. 1,567,613; Dec. 29.
Patty, James O., Chicago, Ill. Fountain brush. 1,567,076; Dec. 29.
Peale, Rembrandt. (See Davis, Kenneth, assignor.)
Peale, Rembrandt. (See Peale, Richard, assignor.)
Peale, Richard, assignor to R. Peale, St. Benedict, Pa. Coal-mining machine. 1,567,329; Dec. 29.
Peale, Richard, assignor to R. Peale, St. Benedict, Pa. Coal conveyer and conveying system. 1,567,330; Dec. 29.
Pearl, Allen S., Chicago, Ill. Marking patterns and the like. 1,567,860; Dec. 29.
Pease, Orville E., Baldwin, N. Y., and N. G. Joseph, Teaneck, N. J., assignors to F. J. Kloes, Inc. Clip for awning front rods. 1,567,674; Dec. 29.
Peebles, David D., assignor of one-half to G. T. Tooby, Eureka, Calif. Heat exchanger. 1,567,814; Dec. 29.
Peik, Louis D., Cleveland, Ohio. Tumbling mill. 1,567,077; Dec. 29.
Pennington, Harley D., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Bevel shears. 1,567,078; Dec. 29.
Peterman, Joseph F., assignor of one-half to R. J. Heaney, Superior, Wis. Railway-switch-point lock. 1,567,462; Dec. 29.
Petroleum Laboratories Inc. (See Vande Water, F. C., and Sunderman, assignors.)
Pfeiffer, Isadore F., Altoona, Pa. Brake mechanism for automobiles. 1,567,982; Dec. 29.
Pfiffner, Emil, Fribourg, Switzerland. Arrangement for preventing marginal discharges. 1,567,293; Dec. 29.
Phelps, Henry E. (See Toomey, J. F., and Phelps.)
Philadelphia Ornamental Lamp Company. (See Michelotti, Louis.)
Philadelphia Roll & Machine Company. (See Crook, Alfred, assignor.)
Phoenix Hosiery Co. (See Houser, Rudolph F., assignor.)
Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Closed tuned coil or loop aerial. 1,567,542; Dec. 29.
Pieper, Henri, Liege, Belgium, assignor to Compagnie Internationale des Freins Automatiques, Société Anonyme, in Liege, Belgium. Electropneumatic brake. 1,567,614; Dec. 29.
Pierce, Raymond T. (See Evans, R. D., and Pierce.)
Pihl, Alfred C., Eureka, Calif. Adjustable coupling. 1,567,294; Dec. 29.
Pilcher, John V., Louisville, Ky. Display device. 1,567,170; Dec. 29.
Pitcairn, William S., Corporation. (See Merriman, Thomas C., assignor.)
Pitt, Guy L., and W. G. Harper, Rocky Mount, N. C. Automobile jack. 1,567,675; Dec. 29.
Planche, M. P., et al. (See McKee, Jule B., assignor.)
Plants, Theodore, assignor of one-half to R. K. Sadler, Little Rock, Ark. Valve-grinding tip. 1,567,615; Dec. 29.
Platt Brothers and Company et al. (See Oxley, Arthur E., assignor.)
Platt, Frank L., G. N. Hein, and R. R. Impey, San Francisco, Calif. Washerless removable-tip hypodermic syringe. 1,567,463; Dec. 29.
Plaut, Antoine P., assignor of one-half to Roberts Brass Manufacturing Company, Detroit, Mich. Carburetor. 1,567,171; Dec. 29.
Polinkowsky, Lipa. (See Deakin, G., and Polinkowsky.)
Polinkowsky, Lipa, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,295; Dec. 29.
Pollak, Robert. (See Brynda, W. F., and Pollak.)
Polygraphische Gesellschaft. (See Scharschawsky, David, assignor.)
Poole Engineering and Machine Company. (See Gosnell, James W., assignor.)
Popham, F. J. W. (See Butler, T. H., Popham, Mann, and Robinson.)
Porcelain Insulator Corporation, The. (See Bennett, Cornelius V., assignor.)
Porten, George F., assignor of one-half to R. Davis, London, England. Machine or apparatus for the printing of photographic films. 1,567,543; Dec. 29.
Porzel, Joseph, Buffalo, N. Y. Producing sheet metal. 1,567,079; Dec. 29.
Potter, James C., Pawtucket, R. I. Ring-spinning machine. 1,567,882; Dec. 29.
Powell, A. L., Power Co., The. (See Powell, Alvah L., assignor.)
Powell, Alvah L., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont. Internal-combustion engine 1,567,172; Dec. 29.
Power, Jeffrey J., Madison, assignor to Power-Stevens Fan Devices Company, Milwaukee, Wis. Delivery mechanism. 1,567,383; Dec. 29.
Power-Stevens Fan Devices Company. (See Power, Jeffrey J., assignor.)
Prairie du Chien Tool Co. (See Hyland, Frank S., assignor.)
Preller, Heinrich, Berlin-Friedenau, Germany. Apparatus for separating and extracting mineral oils from oily sand, bitumen from oily chalk, oily slate, coal, etc. 1,567,983; Dec. 29.
Prescott Company, The. (See Langill, Stanley B., assignor.)
Press, Elizabeth A. D., White Plains, assignor to Blanck & Co. Inc., New York, N. Y. Embroidered lace. Des. 69,157; Dec. 29.
Price, Adolph, Norfolk, Nebr. Water heater. 1,567,296; Dec. 29.
Pritchard, William S., Detroit, Mich. Saw-filing machine. 1,567,749; Dec. 29.
Proctor & Schwartz, Incorporated. (See Ayres, E. B., and Hurxthal, assignors.)
Profitlich, Wilhelm, Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Piston for high-pressure compressors and the like. 1,567,750; Dec. 29.
Public Service Directories, Inc. (See Duveck, Solomon E., assignor.)
Qualls, Stephen J., Casper, Wyo. Pan cleaner. 1,567,751; Dec. 29.
Quelrolo, William. (See Riddle, G. E., and Quelrolo.)
Rabe, Otto, Wilmette, Ill. High-temperature alarm for internal-combustion engines. 1,567,616; Dec. 29.
Radiant Specialty Co. (See Czapek, Stanley, assignor.)
Raimer, Frank, and M. Romer, Adams, Mass. Wheel. 1,567,464; Dec. 29.
Ranney, Willet B., assignor to Wm. Wrigley, Jr. Company, Chicago, Ill. Sheet-gathering machine. 1,567,080; Dec. 29.
Ravenor, Wilfred F., Vancouver, British Columbia, Canada. Safety feed for oil burners. 1,567,815; Dec. 29.
Rawlings Manufacturing Company. (See Latina, Harry B., assignor.)
Ray, Goldburn C., and L. W. Terrill, Cripple Creek, Colo. Direction indicator for motor vehicles. 1,567,188; Dec. 29.
Rayfield, Charles L., assignor to Beneke Manufacturing Company, Chicago, Ill. Flexible fuel-supply valve for carburetors. 1,567,816; Dec. 29.
Rebenschied, Oscar H., Kansas City, Kans., and C. G. Mee, Los Angeles, Calif. Safety-first vision-protecting shield for engineers, attachable to the side window of a locomotive. 1,567,189; Dec. 29.
Rectenwald, Henry J., and W. E. Bernhardt, Pittsburgh, Pa. Pitching target. 1,567,384; Dec. 29.
Reed, Alexander R., Pittsburgh, Pa. Concrete-distributing apparatus. 1,567,385; Dec. 29.
Reed, Alexander R., Pittsburgh, Pa. Concrete-distributing apparatus. 1,567,386; Dec. 29.
Reed, Clarence E., assignor to Reed Roller Bit Company, Houston, Tex. Rotary core drill. 1,567,617; Dec. 29.
Reed, Daniel E., Brooklyn, N. Y. Tub for cider presses. 1,567,173; Dec. 29.
Reed, Grover Y., et al. (See De Spain, Thomas L., assignor.)
Reed Roller Bit Company. (See Reed, Clarence E., assignor.)
Reeves, Frank N., Newark, N. J., and E. H. Clark, Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Selective switch. 1,567,297; Dec. 29.
Reeves, Thomas W. (See Earl, A. R., and Reeves.)
Reid, Frank K., Alva, Okla. Light deflector. 1,567,984; Dec. 29.
Reinhardt, Elmer F., Owensboro, Ky. Muffler. 1,567,298; Dec. 29.
Reisner, W. H., Mfg. Co., The. (See Reisner, William H., assignor.)
Reisner, William H., assignor to The W. H. Reisner Mfg. Co., Inc., Hagerstown, Md. Magnetic valve for organs and the like. 1,567,190; Dec. 29.
Reisser, Alexander, Modling, Austria, assignor, by mesne assignments to Aktiebolaget Calculus, Stockholm, Sweden. Calculating machine. 1,567,985; Dec. 29.
Reliance Die and Stamping Company. (See Lindberg, John F., assignor.)
Remde, Edward H., assignor to The Baker R. & L. Company, Cleveland, Ohio. Industrial truck. 1,567,331; Dec. 29.
Remde, Edward H., assignor to The Baker R. & L. Company, Cleveland, Ohio. Industrial truck. 1,567,676; Dec. 29.
Remington Typewriter Company. (See Barney, Edwin E., assignor.)
Remington Typewriter Company. (See Hart, Frederick A., assignor.)
Restucci Steam Valve Corporation. (See Pascale, Pasquale, assignor.)
Reynolds Brake Corporation. (See Reynolds, Joy S., assignor.)
Reynolds, Joy S., San Francisco, Calif., assignor to Reynolds Brake Corporation, Detroit, Mich. Automatic cut-out. 1,568,035; Dec. 29.
Reynolds, William H., Hastings, Okla. Lint deflector. 1,567,191; Dec. 29.

Rhenania Verein Chemischer Fabriken A.-G. (See Rüsberg, Friedrich, assignor.)
Rhoads, J. E., & Sons. (See Balderston, Lloyd, assignor.)
Ribisi, Dominic J., near San Jose, Calif. Grouser. 1,567,465; Dec. 29.
Ricardo, Harry R., London, England. Crank shaft. 1,567,986; Dec. 29.
Richardson, Reed D., assignor of one-fourth to C. E. Clark, Spokane, Wash. Screw tightener and loosener. 1,567,192; Dec. 29.
Richter, Theodor, Spandau, Germany. Frame. 1,567,299; Dec. 29.
Ricketts, Zaida M., Normal, Nebr. Clothespin bag. 1,567,677; Dec. 29.
Riddle, George E., San Mateo, and W. Queirolo, San Francisco, Calif. Portable cooking kit. 1,567,678; Dec. 29.
Riley Stoker Corporation. (See Fleming, F. E., and De Voe, assignors.)
Rittman, John W., J. Rood, and W. Driver, Racine, Wis. Drink-heater. 1,567,679; Dec. 29.
Ritz-Woller, Oliver C., Chicago, Ill. Lamp for motor vehicles. 1,567,198; Dec. 29.
Rivord, Joseph A., Pekin, Ill. Power mechanism. 1,567,753; Dec. 29.
Robbins & Myers Company, The. (See Stuart, Harve R., assignor.)
Roberts Brass Manufacturing Company. (See Plaut, Antoine P., assignor.)
Roberts, George G., assignor to The Virginia Plate Glass Corporation, Washington, D. C. Glass bait. 1,567,300; Dec. 29.
Robertshaw, Frederick W., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Thermostat. 1,567,081; Dec. 29.
Robertshaw Thermostat Company. (See Robertshaw, Frederick W., assignor.)
Robertson, H. E., et al. (See Broyles, John E., assignor.)
Robinson, Archie D., Westfield, Mass. Receptacle. 1,567,618; Dec. 29.
Robinson, Herbert W. (See Butler, T. H., Popham, Mann, and Robinson.)
Robinson, Robert M., assignor to Cheatham Electric Switching Device Co., Inc., Louisville, Ky. Ground box with toggle joint. 1,567,680; Dec. 29.
Robison, Ray D., R. J. Christman, and G. E. Swigart, Bryan, Ohio. Changeable exhibitor. 1,567,466; Dec. 29.
Rocherolles, Jacques, assignor to La Societe Parfumerie Roger & Gallet Siege Social, Paris, France. Stick-dispensing device for soap and the like. 1,567,467; Dec. 29.
Rockwood Sprinkler Company of Massachusetts. (See Staughton, Lance W., assignor.)
Rode, Fredrich J., Chicago, Ill. Expander for metal barrel heads. 1,567,387; Dec. 29
Rodgers, Fay T., Memphis, Tenn. Refrigerator. 1,567,082; Dec. 29.
Rodic Rubber Co. (See Rose, William H., assignor.)
Rodman, Isaac P., assignor to Garod Corporation, Newark, N. J. Insulator structure for electrostatic condensers and the like. 1,567,544; Dec. 29.
Rodstein, Michael S., Manhattan Beach, N. Y. Adjustable automobile hat rack. 1,567,619; Dec. 29.
Roesch, Frank P., Chicago, Ill., and A. M. Hunt, New York, N. Y., assignors to Standard Stoker Company, Incorporated. Stoker. 1,567,083; Dec. 29.
Rogers, Lucius L., Texarkana, Tex. Oil burner. 1,567,996; Dec. 29.
Rohne, Robert E., Los Angeles, Calif. Expansible auto trunk. 1,567,388; Dec. 29.
Romer, Michael. (See Raimer, F., and Romer.)
Roneo Limited. (See Barman, Louis M., assignor.)
Rood, John. (See Rittman, J. W., Rood, and Driver.)
Root, Chapman J., Terre Haute, Ind. Bottle. Des. 69,158; Dec. 29.
Rosar, Laurence J., Scranton, Pa. Container for cigarettes and matches. 1,567,752; Dec. 29.
Rose Patch & Label Company. (See Rosenthal, Morris G., assignor.)
Rose, Reed P. (See Hopkinson, E., and Rose.)
Rose, William H., Jersey City, assignor to Rodic Rubber Co., Garwood, N. J. Container closure. 1,567,084; Dec. 29.
Rosenthal, Morris G., Cincinnati, Ohio, assignor to Rose Patch & Label Company, Grand Rapids, Mich. Control means for power sewing machines. 1,567,194; Dec. 29.
Ross, Alfred C., Valley Springs, Calif. Sectional concrete pole. 1,567,301; Dec. 29.
Ross, Clarence A., Joliet, assignor of one-half to W. F. Horsting, Chicago, Ill. Machine for measuring and vending liquids. 1,567,754; Dec. 29.
Ross, David E., assignor to Ross Gear & Tool Company, La Fayette, Ind. Steering gear. 1,567,997; Dec. 29.
Ross Gear & Tool Company. (See Ross, David E., assignor.)
Rothschild, Benjamin, Baltimore, Md. Umbrella. 1,567,861; Dec. 29.
Rousseau, Frank L., Pittsburgh, Pa., assignor to Bauer & Black, Chicago, Ill. Display card. 1,567,195; Dec. 29.
Rovere, R. Dalla. (See Steiner, Julius, assignor.)
Rowland, Vaisy E., Indianapolis, Ind. Building block. 1,567,085; Dec. 29.
Roy, Edouard, Lewiston, Me. Curtain and drapery holder. 1,567,196; Dec. 29.
Rubly, William, Indianapolis, Ind. Circulation-regulating plug valve. 1,567,389; Dec. 29.
Ruggles-Klingemann Mfg. Co. (See Kimball, James L., assignor.)
Rumsey, John C., Lawrence, Kans. Pillow rest for caskets. 1,567,862; Dec. 29.
Ruppert, Steven A., Cleveland, Ohio. Wood lamp-base construction. 1,567,390; Dec. 29.
Runyon, Charles E., et al. (See McQuaid, Harry W., assignor.)
Rüsberg, Friedrich, Mannheim, assignor to the Firm Rhenania Verein Chemischer Fabriken A. G., Cologne, Germany. Obtaining alkali-metal thiosulphate from solutions containing alkali-metal sulphide. 1,567,755; Dec. 29.
Russell, Albert J., Johannesburg, South Africa. Clip for rubber-hose joints. 1,567,468; Dec. 29.
Russen, Anthony C. P., Edgewood, R. I. Perforating machine. 1,567,681; Dec. 29.
Ruvin, Harry, Schenectady, N. Y., assignor, by mesne assignments, to Buxton Incorporated, Springfield, Mass. Key case. 1,567,620; Dec. 29.
Ryder, Earle A. (See Young, H. H., and Ryder.)
Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-carrier support and releasing device. 1,567,332; Dec. 29.
Rysdon, Louis S., Chicago, Ill. Ventilator. 1,567,998; Dec. 29.
Sackett, Edward H., by L. Sackett, conservatrix, Arvada, Colo. Aerial-tramway grip. 1,567,391; Dec. 29.
Sackett, Louisa, conservatrix. (See Sackett, Edward H.)
Saco-Lowell Shops. (See Owen, Herbert W., assignor.)
Sadler, Dudley K. (See Sadler, Thomas D., and D. K.)
Sadler, Ralph K. (See Plants, Theodore, assignor.)
Sadler, Thomas D. and D. K., New Orleans, La. Rotary saw. 1,567,999; Dec. 29.
St. Anne's Board Mill Company Limited. (See Heys, Roland B., assignor.)
St. Mungo Manufacturing Company of Aemrica. (See Huse, Hiram N., assignor.)
Salsburg, Harry A., Pittsfield, Mass. Device for applying nonskid chains to tires. 1,567,621; Dec. 29.
Santa Barbara Lumber Company. (See Cummings, Earle W., assignor.)
Sarnnac Automatic Machine Corporation. (See Craig, Edward, assignor.)
Sargeant & Greenleaf, Inc. (See Weber, Eugene R., assignor.)
Sargent, Howard R., and F. C. De Reamer, Bridgeport, Conn., assignors to General Electric Company, Housewiring structure. 1,567,863; Dec. 29.
Sargent, Howard R., Bridgeport, Conn., assignor to General Electric Company. Wall attachment means for electrical devices. 1,567,864; Dec. 29.
Sauter, Everett B. (See Epard, S. J., and Sauter.)
Sawyer, Willard N., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Woodworking machine. 1,567,865; Dec. 29.
Scammell China Company. (See Schnepf, Emil L., assignor.)
Scharschawsky, David, Bern, assignor to the Firm: Polygraphische Gesellschaft, Laupen-Bern, Switzerland. Producing reproduction means for book printing and the like. 1,567 333; Dec. 29.
Scharwath, John A., Elizabeth, N. J. Shingle. 1,567,817; Dec. 29.
Schieferstein, Heinrich, Berlin-Charlottenburg, Germany. Mowing machine. 1,567,334; Dec. 29.
Schlaich, Herman, Long Island City, N. Y. Radiator cap. 1,567,393; Dec. 29.
Schmarge, Henry, Belen, N. Mex. Valve construction for air-brake systems. 1,567,394; Dec. 29.
Schmertz, Louis R., Jeannette, assignor to Window Glass Machine Company, Pittsburgh, Pa. Method and apparatus for flattening and annealing sheet glass. 1,567,756; Dec. 29.
Schmidt, Albert, Paris, France. Chlorination of sulphite liquor. 1,567,395; Dec. 29.
Schmidt, Benjamin F., assignor of one-fourth to K. C. Gillette and one-fourth to K. G. Gillette, Los Angeles, Calif. Well drill. 1,567,197; Dec. 29.
Schmidt, John A., Enid, Okla. Tractor steering device. 1,567,469; Dec. 29.
Schmidt, Robert D., Davenoprt, Iowa. Windmill. 1,568,000; Dec. 29.
Schmitt, Nikolaus, Niederlossnitz, near Dresden, and O. Schmitt, Kuppersteg, near Cologne, Germany. Electric mine fuse. 1,567,545; Dec. 29.
Schmitt, Otto. (See Schmitt, Nikolaus, and O.)
Schneiderman, Kenneth J., assignor to Kokomo Electric Co., Kokomo, Ind. Radiotransformer. 1,567,757; Dec. 29.
Schnepf, Emil L., assignor to Scammell China Company, Trenton, N. J. Plate or similar article. Des. 69,159; Dec. 29.
Schoennobl, C. B., Incorporated. (See Conrad, Miller E., assignor.)
Schrader, Thomas O., Allentown, assignor to Dent Hardware Co. Fullerton, Pa. Lever lock for refrigerator doors. 1,567,866; Dec. 29.
Schrader, Thomas O., Allentown, assignor to Dent Hardware Co., Fullerton, Pa. Lever lock for refrigerator doors. 1,567,867; Dec. 29.
Schrauder, George J. (See Van Hooydonk, Adrian C., assignor.)
Schraysshuen, Carl, assignor to Speidel Chain Co., Providence, R. I., Chain. 1,567,086; Dec. 29.



Schriever, Lüder, Danzig-Langfuhr, Free State Danzig. Oil-level indicator for ships' bunkers, oil containers, and the like. 1,567,758; Dec. 29.
Schröder, Hans W. C., Lubeck, assignor to Dr. Ing. H. C. Alexander Bernhard Dräger, Fink nberg, Lubeck, Germany. Apparatus for administering anæthetic gases. 1,567,868; Dec. 29.
Schumacher, Wilhelm. (See Moldenke, R., and Schumacher.)
Schwalm, Ephraim D., Chicago, Ill. Soldering alloy and making the same. 1,567,396; Dec. 29.
Schwenck, Frederick W., Cincinnati, Ohio. Bottle. Des. 69,160; Dec. 29.
Scoby, Samuel T., assignor of one-half to C. L. Jones, Frankfort Heights, Ill. Miner's lamp. 1,567,682; Dec. 29.
Scofield, Edward H., Minneapolis, Minn. Combustion-regulating system for boilers. 1,567,869; Dec. 29.
Scott Head Lamp Control. (See Calkins, James M., assignor.)
Scott, Walter B., Marblehead, Mass. Wind novelty. Des. 69,161; Dec. 29.
Scrive, Paul, Paris, France. Rotary drying apparatus. 1,567,335; Dec. 29.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Vehicle spring bearing. 1,567,302; Dec. 29.
Sears, Willard T., Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Tool-feeding mechanism. 1,567,397; Dec. 29.
Seidell, Alfred P., Bloomfield, assignor to Orange Lighting Fixture Manufacturing Company, Orange, N. J. Arm for electric chandeliers. Des. 69,162; Dec. 29.
Seidell, Alfred P., Bloomfield, assignor to Orange Lighting Fixture Manufacturing Company, Orange, N. J. Wall bracket for lighting fixtures. Des. 69,163; Dec. 29.
Seligman, Richard, London, England. Filter or strainer especially applicable to milk and other potable liquids. 1,568,001; Dec. 29.
Sellers, Wilbur, & Company. (See Burt, John, assignor.)
Serrell, Lemuel W., New York, N. Y. Electric heater. 1,567,870; Dec. 29.
Settle, Thomas H., San Fernando, Calif. Wave motor. 1,567,470; Dec. 29.
Shapiro & Aronson, Inc. (See Klein, Max, assignor.)
Sharp, Alexander B., assignor to The Ohio Foundry & Manufacturing Co., Steubenville, Ohio. Gas burner. 1,567,622; Dec. 29.
Shaw, Ira C., assignor of one-half to L. M. Kelly, Indiana, Pa. Valve-reseating tool. 1,567,336; Dec. 29.
Shearer, Charles E., Amarillo, Tex. Shock absorber for motor vehicles. 1,568,002; Dec. 29.
Sherwood Brass Works. (See Sherwood, William, assignor.)
Sherwood, William, assignor to Sherwood Brass Works, Detroit, Mich. Water-inlet valve for tanks. 1,567,198; Dec. 29.
Shields, Frank W., assignor to Valley Fruit Company, Walla Walla, Wash. Car deck. 1,567,759; Dec. 29.
Siemens & Halske, Aktiengesellschaft. (See Duhme, Emil, assignor.)
Siemens & Halske Aktiengesellschaft. (See Marbury, Hans, assignor.)
Siever, Paul, Minneapolis, Minn. Automobile door sign. 1,567,337; Dec. 29.
Siever, Paul, Minneapolis, Minn. Spare-tire sign and protector. 1,567,338; Dec. 29.
Simplex Player Action Company. (See Tunstall, William B., assignor.)
Singer, David M., Chicago, Ill. Display stand. Des. 69,164; Dec. 29.
Sittig, Minnie, Danvers, Ill. Watering fountain for chicks. 1,567,760; Dec. 29.
Sitz, Clara B., Washington, D. C. Traffic-signaling system. 1,567,871; Dec. 29.
Six, Walter J., Indianapolis, Ind. Piston. 1,567,398; Dec 29.
Skeen, Walter L., Los Angeles, Calif. Advertising device. 1,567,471; Dec. 29.
Skiles, Bruce E., Santa Ana, Calif. Solid-tire facer and groover. 1,567,472; Dec. 29.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rectifying system. 1,567,761; Dec. 29.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. High-voltage-producing means. 1,567,762; Dec. 29.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrolytic condenser terminal. 1,567,763; Dec. 29.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radioreception. 1,567,764; Dec. 29.
Slider, George, Baltimore, Md. Wringer. 1,567,330; Dec. 29.
Smith, Alfred C., New York, N. Y. Watch. 1,568,003; Dec. 29.
Smith, Bertrum F., Natrona, Pa. Car-wheel lubricator. 1,567,623; Dec. 29.
Smith, Elmer L., Mack, Colo. Stocking. Des. 69,165; Dec. 29.
Smith, Ezra B., Ravenswood, Ill., assignor to J. E. Ogden, Mountainville, N. Y. Door. 1,567,546; Dec. 29.
Smith, Floyd C., and E. A. Olley, assignors to Crouse-Hinds Company, Syracuse, N. Y. Conduit outlet box. 1,567,624; Dec. 29.
Smith, Harold, Copenhagen, Denmark. Sound-transmission apparatus. 1,567,683; Dec. 29.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,567,303; Dec. 29.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,567,872; Dec. 29.
Smith, Joseph A., Attleboro, Mass. Plated article and its manufacture. 1,567,625; Dec. 29.
Smith, Oscar A., deceased, East Cleveland, Ohio; The Cleveland Trust Company, administrator. Priming cup. 1,567,547; Dec. 29.
Smith, Percy C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,087; Dec. 29.
Smith, S., & Sons (Motor Accessories) Limited. (See Spiller, Herbert W., assignor.)
Smith, William H., Bridgeport, Conn. Manifold heater. 1,567,304; Dec. 29.
Smithfield, Emil A. (See Noelting, W. H., and Smithfield.)
Smythe, Edwin H., Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,567,305; Dec. 29.
Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Safety device for wringers. 1,567,199; Dec. 29.
Société Anonyme des Anciens Etablissements Hotchkiss & Compagnie. (See Sutter, Charles, assignor.)
Societe du Carburateur Zenith. (See de Boischevalier, Henri, assignor.)
Societe Lyonnaise des Eaux et de l'Eclairage. (See Macaux, Henri, assignor.)
Society of Chemical Industry in Basle. (See Mayer, B., and Moser, assignors.)
Society of Chemical Industry in Basle. (See Standiger, Hermann, assignor.)
Souczek, Ferdinand, Nachod, Czechoslovakia, assignor to Vereenigde Textielmaatschappijen Mautner, Rotterdam, Netherlands. Shuttle-drive arrangement. 1,568,036; Dec. 29.
Spalsbury, Charles B., assignor to Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Smoothing, stretching, and shaping machine. 1,567,873; Dec. 29.
Spaulding, Charles S., Newburyport, Mass. Game and game apparatus. 1,567,765; Dec. 29.
Speidel Chain Co. (See Schraysshuen, Carl, assignor.)
Spencer, Henry K., Watertown, assignor to The Blanchard Machine Company, Cambridge, Mass. Magnetic holding device. 1,568,024; Dec. 29.
Spiller, Herbert W., Hampstead, London, assignor to S. Smith & Sons (Motor Accessories) Limited, Cricklewood, London, England. Carbureting device. 1,567,088; Dec. 29.
Spiro, Walter J., White Plains, N. Y. Automatic brake control. 1,567,174; Dec. 29.
Sprong, Severn D., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,567,626; Dec. 29.
Srnkula, Joseph, South St. Paul, Minn. Walking vehicle. 1,567,684; Dec. 29.
Staatliche Porzellan-Manufactur. (See König, Alfred, assignor.)
Stacy, Thomas F., assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Plastic-molding press. 1,567,766; Dec. 29.
Standard Electric Products, Inc. (See Costa, Louis J., assignor.)
Standard Stoker Company. (See Rusch, F. P., and Hunt, assignors.)
Stant, Ivan H., Connersville, Ind. Lock for radiator caps. 1,567,399; Dec. 29.
Stanton, Thomas K., Brussett, Mont. Snowplow for motor vehicles. 1,567,627; Dec. 29.
Stark, John W., Kensington, Minn. Sack holder. 1,567,340; Dec. 29.
Starr, Wyatt C., Lake Wales, Fla. Log unloader. 1,567,473; Dec. 29.
Staudinger, Hermann, Zurich, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of derivatives of 4-hydroxypiperidines and making same. 1,567,200; Dec. 29.
Staughton, Lance W., New Dorp, N. Y., assignor to Rockwood Sprinkler Company of Massachusetts. Relief-valve-operating device for pressure tanks. 1,567,628; Dec. 29.
Stebbins, Albert H., Los Angeles, Calif. Table concentrator. 1,567,548; Dec. 29.
Stebbins, Albert H., Los Angeles, Calif. Operating means. 1,567,549; Dec. 29.
Stebbins, Albert H., Los Angeles, Calif. Operating means. 1,567,550; Dec. 29.
Stebbins, Albert H., Los Angeles, Calif. Operating means. 1,567,551; Dec. 29.
Stebbins, Albert H., Los Angeles, Calif. Table concentrator. 1,567,552; Dec. 29.
Stebbins, Albert H., Los Angeles, Calif. Operating means. 1,567,553; Dec. 29.
Stebbins, Albert H., Los Angeles, Calif. Vibrating exercise table. 1,567,818; Dec. 29.
Stebbins, Albert H., Los Angeles, Calif. Vibrating exercise table. 1,567,819; Dec. 29.
Steel Wheel Corporation. (See Williams, William E., assignor.)

Steiner, Julius, West New York, assignor of one-half to R. D. Rovere, Woodcliff, N. J. Hand bag. Des. 69,166; Dec. 29.

Steinberger, Louis, Brooklyn, N. Y. Insulated connecter. 1,567,201; Dec. 29.

Steinberger, Louis, Brooklyn, N. Y. Diaphragm for sound receivers and mounting the same. 1,567,202; Dec. 29.

Steinkamper, Carl, Chicago, Ill. Jack. 1,567,203; Dec. 29.

Stevens, Burt D. (See Dudley, E. F., and Stevens.)

Stevens, Edward W., and J. A. Moore, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Fluid-pressure hammer. 1,567,554; Dec. 29.

Stewart, Kenneth D. (See Harrison, W. E., and Stewart.)

Still, Milan, Kodiak, Alaska. Jaw trap. 1,568,004; Dec. 29.

Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Reed holder for looms. 1,567,820; Dec. 29.

Stitzel, Frederick, deceased, Louisville, Ky.; J. J. Davis, administrator. Spring wheel. 1,567,400; Dec. 29.

Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Radio transmitting system. 1,567,204; Dec. 29.

Storch, George W., Appleton, Wis. Carburetor. 1,567,767; Dec. 29.

Stover Manufacturing & Engine Co. (See Haller, F. J., and Mensenkamp, assignors.)

Straitz, John F., assignor to National Airoil Burner Company, Philadelphia, Pa. Regulating valve. 1,567,306; Dec. 29.

Strand, Joseph, assignor to Klinch Lath Corporation, Los Angeles, Calif. Clip and channel wall-board-retaining construction. 1,567,685; Dec. 29.

Straubel, Frederick L. G., Green Bay, Wis. Guide rod for file drawers. 1,567,874; Dec. 29.

Straussler, Nicholas, London, England. Float or raft for swimming purposes and the like. 1,567,555; Dec. 29.

Strom, Carl A., Floral Park, N. Y. Window-sash lock. 1,567,629; Dec. 29.

Stromberg Motor Devices Company. (See Gustafson, Charles J., assignor.)

Stromberg Motor Devices Company. (See Mock, Frank C., assignor.)

Stromberg Motor Devices Company. (See Mock, F. C., and Chandler, assignors.)

Stuart, Harve R., assignor to The Robbins & Myers Company, Springfield, Ohio. Fan. 1,567,401; Dec. 29.

Stuckert, John F., Philadelphia, Pa. Roofing structure. 1,567,205; Dec. 29.

Stumpf Una-Flow Engine Company. (See Brown, William C., assignor.)

Suekoff, Samuel, Chicago, Ill. Cushion-cover construction. 1,567,206; Dec. 29.

Sullivan, John J., Cincinnati, Ohio. Inking attachment for bed-and-platen job-printing presses. 1,567,207; Dec. 29.

Sullivan Machinery Company. (See Holmes, Morris P., assignor.)

Sumbling, William H., Toronto, Ontario, Canada. Bearing for centrifugal extractors. 1,567,768; Dec. 29.

Sunderman, Frederick R. (See Vande Water, F. C., and Sunderman.)

Sun-Ray Works, Inc. (See Kraemer, Frank, assignor.)

Sutter, Charles, Suresnes, assignor to Société Anonyme des Anciens Etablissements Hotchkiss & Compagnie, Seine, France. Accelerating device for automatic firearms. 1,568,005; Dec. 29.

Sutton, Edward O. (See Lyon, N. W., and Sutton.)

Swallow, George, Salt Lake City, Utah. Hernia truss. 1,567,769; Dec. 29.

Swan, John C., Marietta, Ohio. Method of and means for releasing and recovering fast casing from wells. 1,568,027; Dec. 29.

Swan, John C., Marietta, Ohio. Separating condensable vapors from gases. 1,568,028; Dec. 29.

Swanson, Martin J., assignor to F. W. Wagner, Bradford, Pa. Hole-cutting tool. 1,567,341; Dec. 29.

Swanson, William E., Weehawken, N. J. Record-mailing sheet. 1,567,875; Dec. 29.

Sweetland, Ernest J., Montclair, N. J. Liquid-gravity indicator. 1,567,821; Dec. 29.

Swenson, Swen R., South Orange, N. J., assignor to Multiple Electric Products Company, Inc., New York, N. Y. Separable plug. 1,567,686; Dec. 29.

Swigart, Grover E. (See Robison, R. D., Christman, and Swigart.)

Swiss Locomotive and Machine Works. (See Buchli, Jakob, assignor.)

Symonds, Herbert W., St. Louis, Mo. Wall-register construction. 1,567,089; Dec. 29.

Syndicate Solteman C. S. (See Vörster, Bastiaan C. A., assignor.)

Szako, John, New York, N. Y. Plane. 1,567,342; Dec. 29.

Talley, George D., Mexico, Mo. Automatic pedal latch. 1,568,006; Dec. 29.

Tarr, Frank J., Tulsa, Okla. Oil burner. 1,568,007; Dec. 29.

Taussig, Charles W., assignor to Jersey Biscuit Company, New York, N. Y. Folding display frame. 1,567,307; Dec. 29.

Taylor, Carl R., Cleveland, Ohio. Baking machine. 1,567,343; Dec. 29.

Terrill, Louis W. (See Ray, G. C., and Terrill.)

Texas Company, The. (See de Flores, Luis, assignor.)

Theta Kappa Nu Fraternity. (See Butterfield, Emily H., assignor.)

Thomann, Jacob W., Carlyle, Saskatchewan, Canada. Mud wing. 1,567,770; Dec. 29.

Thomas, Cecil C., Takoma Park, Md. Implement for removing cores from citrous fruit. 1,568,008; Dec. 29.

Thompson, George, New York, N. Y. Gun rest for sportsmen. Re16,238; Dec. 29.

Thompson, Richard C. (See Allen, G. L., and Thompson.)

Thompson, William D., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,568,009; Dec. 29.

Thorburn, William H., Collingwood, Ontario, Canada. Wind-propelled water craft. 1,567,090; Dec. 29.

Thorén, Josef H. E. (See Hultgren, A. G. E., and Thorén.)

Threaded Products Company, The. (See Jurs, Albert F., assignor.)

Tichenor, George C., Los Angeles, Calif. Sound reproducer. 1,567,344; Dec. 29.

Tigerstrom, Joseph, New York, N. Y. Folding case. 1,568,010; Dec. 29.

Tilden, James A., Boston, Mass. Meter. 1,567,345; Dec. 29.

Time-O-Stat Corporation. (See Gauger, F. A., and Johnson, assignors.)

Timken, Henry H., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 1,567,822; Dec. 29.

Timken Roller Bearing Company, The. (See Timken, Henry H., assignor.)

Tinnerman, Albert H., Cleveland, Ohio. Oven-door hinge. 1,567,630; Dec. 29.

Tompkins, Charles H., Washington, D. C. Concrete-distributing system. 1,567,771; Dec. 29.

Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Expansion shield. 1,567,687; Dec. 29.

Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Electric coupler. 1,567,474; Dec. 29.

Tomlinson Coupler Company, The. (See Tomlinson, Charles H., assignor.)

Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Antislip tile. 1,567,091; Dec. 29.

Tone, Frank J., and M. L. Hartmann, assignors to The Carborundum Company, Niagara Falls, N. Y. Antislip surface and making the same. 1,567,772; Dec. 29.

Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Subscriber's equipment for program transmission. 1,567,209; Dec. 29.

Toomey, John F., and H. E. Phelps, New York, N. Y., assignors to American Telephone and Telegraph Company. Program transmission over wires. 1,567,208; Dec. 29.

Tooby, George T. (See Peebles, David D., assignor.)

Torgerson, Clifford M. (See Miller, H. R., and Torgerson.)

Trenckmann, Bruno. (See Trenckmann, Erich and B.)

Trenckmann, Erich and B., assignors to B. G. Textilewerke G. m. b. H., Berlin-Tempelhof, Germany. Balloon envelope material and manufacturing the same. 1,567,556; Dec. 29.

Trester, Herault A., assignor to Metal Forms Corporation, Milwaukee, Wis. Form-locking device. 1,567,210; Dec. 29.

Trippeda, Charles S., and A. J. Dichiaro, New York, N. Y. Electric aerial advertising means. 1,568,011; Dec. 29.

Tubbs, Earl D., New York, N. Y. Reenforced road structure. 1,567,211; Dec. 29.

Tunison, Murray C., and S. J. Nunn, Los Angeles, Calif., assignors to Nunn & Tunison. Garage. 1,567,346; Dec. 29.

Tunstall, William B., assignor to Simplex Player Action Company, Worcester, Mass. Lyre and pedal mechanism for grand pianos. 1,567,773; Dec. 29.

Turner, Charles P., East St. Louis, Ill. Motor-vehicle body. 1,567,876; Dec. 29.

Tuttle & Bailey Manufacturing Company. (See Colgan, Leonard J., assignor.)

Tuttle, Walter I., Providence, R. I., assignor to Frank Mossberg Company, Attleboro, Mass. Tool construction. 1,567,877; Dec. 29.

Uhr, Samuel, et al. (See Michelotti, Louis, assignor.)

Underwood Typewriter Company. (See Campbell, George W., assignor.)

Underwood Typewriter Company. (See Helmond, William F., assignor.)

Underwood Typewriter Company. (See Oswald, Alfred E., assignor.)

Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)

Underwood Typewriter Company. (See Waldheim, John, assignor.)

Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)

Union Switch & Signal Company, The. (See Lucas, Samuel M., assignor.)

United Alloy Steel Corporation. (See Hay, John T., assignor.)

United Engineering & Foundry Company. (See Biggert, Florence C., jr., assignor.)



United Engineering and Foundry Company. (See Johnson, Lane, assignor.)

United Engineering & Foundry Company. (See Pennington, Harley D., assignor.)

United Hotels Company. (See McKaig, Charles, assignor.)

United Shoe Machinery Corporation. (See Duplessis, René E., assignor.)

U. S. Industrial Alcohol Co. (See Lehr, Justus W., assignor.)

Universal Draft Gear Attachment Co. (See Wrigley, Henry I., assignor.)

Utica Heater Company. (See Morphy, David M., assignor.)

Valley Fruit Company. (See Shields, Frank W., assignor.)

Valve Bag Company of America, The. (See Hartman, Carl H., assignor.)

Van Alst, Lafayette. (See MacDonald, D. E., and Van Alst.)

Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Rack extension. 1,567,774; Dec. 29.

Van Damme, Victor, Antwerp, Belgium, assignor to The New Elswick Trading Company Limited, Deventer, Netherlands. Apparatus for sharpening circular knives. 1,567,688; Dec. 29.

Van den Heuvell, Abrahan van L., Zwolle, Netherlands. Weighing jack for determining the wheel pressure of vehicles. 1,567,308; Dec. 29.

Vande Water, Frank C. and F. R. Sunderman, assignors to Petroleum Laboratories Inc., Newburgh, N. Y. Apparatus for treating hydrocarbons. 1,567,212; Dec. 29.

Van Hooydonk, Adrian C., assignor of one-half to G. J. Schrauder, Monroe, Mich. Piston construction. 1,567,213; Dec. 29.

Van Lynden, Robert A. Baron, London, England. Gradometer. 1,567,347; Dec. 29.

Van Tassel, Lovell R., Reynoldsville, Pa. Animal trap. 1,567,214; Dec. 29.

Van Tine, David W., Philadelphia, Pa. Electric heater for curling irons. 1,567,878; Dec. 29.

Veillette, Alfred, assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,567,557; Dec. 29.

Venn, Charles J., Chicago, assignor to Century Rubber Works, Cicero, Ill. Tire mold. 1,567,402; Dec. 29.

Vereenigde Nederlandsche Rubberfabrieken. (See Wilhelmi, Dirk F., assignor.)

Vereenigde Textielmaatschappijen Mautner. (See Souczek, Ferdinand, assignor.)

Vergé, Alphonse. (See Hébert, René M. L. G., assignor.)

Vestal, Merton I. (See Fournier, Edmond E., assignor.)

Virginia Plate Glass Corporation, The. (See Roberts, George G., assignor.)

Vodicka, John, assignor, by mesne assignments, to Cinch Manufacturing Corporation, Chicago, Ill. Socket for curtain fasteners. 1,567,348; Dec. 29.

Voices, Incorporated. (See Grubman, Leo J., assignor.)

Voight, George F., Oakland, Calif. Wire fastener. 1,567,475; Dec. 29.

Voight, George F., Oakland, Calif. Filling can. 1,567,476; Dec. 29.

Voight, George F., Oakland, Calif. Wire fastener. 1,567,477; Dec. 29.

Vollmer, Walter G. (See Whitelaw, H. L., and Vollmer.)

Vonnez, Eugène, and C. Jaquemot, Geneva, Switzerland. Loading device for vehicles. 1,567,478; Dec. 29.

Vorster, Bastiaan C. A., assignor to Syndicate Soltman C. S., Amsterdam; G. Soltman, Lonneker, H. Soer, A. J. K. Grond, and C. A. Elias, Amsterdam, Netherlands. Loom. 1,567,879; Dec. 29.

Wagner, E. R., Manufacturing Company. (See Wagner, Edward R., assignor.)

Wagner, Edward R., Milwaukee, assignor to E. R. Wagner Manufacturing Company, North Milwaukee, Wis. Pedal. 1,567,775; Dec. 29.

Wagner Electric Corporation. (See Weichsel, Hans, assignor.)

Wagner, Fred W. (See Swanson, Martin J., assignor.)

Wahl Company, The. (See Wahl, John C., assignor.)

Wahl, John C., assignor to The Wahl Company, Chicago Ill. Fountain pen. 1,567,823; Dec. 29.

Wahl, John C., Chicago, Ill., assignor to The Wahl Company, Wilmington, Del. Fountain pen. 1,567,824; Dec. 29.

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,567,558; Dec. 29.

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,567,880; Dec. 29.

Walker, George A., Arlington, N. J. Autotoboggan. 1,567,776; Dec. 29.

Walker, Morton R. (See Macnaughton, R. G., and Walker.)

Walker, Warren R., New Dorp, N. Y. Switching apparatus. 1,568,025; Dec. 29.

Waller, Lee R., Westmount, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. 1,567,309; Dec. 29.

Walsh, Ernest V., St. Paul, Minn. Terrazzo flooring strip. 1,568,012; Dec. 29.

Walton Duplex Company. (See Anderton, Charles E., jr., assignor.)

Wampach, Joseph J., Berlin-Charlottenburg, Germany. Mud guard for motor vehicles. 1,567,777; Dec. 29.

Warberg, Roy M., B. Anderson, and F. Anderson, Chicago, Ill. Cosmetic-powder dispenser. 1,567,092; Dec. 29.

Ward, Joseph A., Crowell, Tex. Throttle-control mechanism. 1,567,215; Dec. 29.

Warfield, Howard C., Merrick, N. Y. Game. 1,568,013; Dec. 29.

Warfman, Alice E., New York, N. Y. Cape. Des. 69,167; Dec. 29.

Warwick, Rogers M. (See Nessling, E. V., and Warwick.)

Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)

Watkins, Frank M., Cincinnati, Ohio. Unloading device for underdriven centrifugal extractors. 1,567,689; Dec. 29.

Watson, Bert E., Grand Island, Nebr. Automobile carrier. 1,568,014; Dec. 29.

Watts, Elmer A., assignor to The Miller Improved Gas Engine Company, Springfield, Ohio. Lubricating the bore of cylinders of engines. 1,567,216; Dec. 29.

Weaver, Frederick H., New York, N. Y. Snow carrier. 1,567,690; Dec. 29.

Webber, Charles E., Pontiac, Ill. Harrow. 1,567,778; Dec. 29.

Webber, Roy H., Toronto, Ontario, Canada. Cylinder-grinding machine. 1,567,350; Dec. 29.

Weber, Eugene R., assignor to Sargeant & Greenleaf, Inc., Rochester, N. Y. Lock. 1,567,881; Dec. 29.

Weber, Heinrich, Feuerbach-Stuttgart, Germany. Water cock. 1,567,349; Dec. 29.

Weeks, Frank A., Plainfield, N. J. Lantern slide. 1,567,310; Dec. 29.

Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Dynamo-electric machine. 1,567,217; Dec. 29.

Weight, Harry E., Penarth, Wales. Catamenial bandage. 1,567,987; Dec. 29.

Weller, T. H., et al. (See Broyles, John E., assignor.)

Welch, Corwin R. (See Clayton, E. R., and Welch.)

Welch, John B., New Orleans, La. Drying wood, lumber, and the like. 1,567,559; Dec. 29.

Wells, Isaac S., Laurel, Miss. Air system for tires. 1,567,779; Dec. 29.

Welp, Lawrence. (See Guilde, William C., assignor.)

West, Leonidas D., Denver, Colo. Doorcheck. 1,567,093; Dec. 29.

Western Electric Company. (See Albert, Walter P., assignor.)

Western Electric Company. (See Borgmann, Charles, assignor.)

Western Electric Company. (See Bowne, Langford J., assignor.)

Western Electric Company. (See Buckley, Oliver E., assignor.)

Western Electric Company. (See Buts, Edward D., assignor.)

Western Electric Company. (See Carpenter, Warren W., assignor.)

Western Electric Company. (See Clark, Edgar H., assignor.)

Western Electric Company. (See Covell, Russell O., assignor.)

Western Electric Company. (See Deakin, G., and Polinkowsky, assignors.)

Western Electric Company. (See Devaux, Lucien, assignor.)

Western Electric Company. (See Dunham, Bert G., assignor.)

Western Electric Company. (See Forsberg, Oscar F., assignor.)

Western Electric Company. (See Fowler, Clarence B., assignor.)

Western Electric Company. (See Gibson, Earl S., assignor.)

Western Electric Company. (See Heising, Raymond A., assignor.)

Western Electric Company. (See Hibbard, Frank H., assignor.)

Western Electric Company. (See Hinrichsen, Edward E., assignor.)

Western Electric Company. (See Johnson, Lewis H., assignor.)

Western Electric Company. (See Keller, L., and Williams, assignors.)

Western Electric Company. (See Lundell, Alben E., assignor.)

Western Electric Company. (See Lundell, George A. E., assignor.)

Western Electric Company. (See MacDougall, Harry W., assignor.)

Western Electric Company. (See Matthies, William H., assignor.)

Western Electric Company. (See Polinkowsky, Lipa, assignor.)

Western Electric Company. (See Reeves, F. N., and Clark, assignors.)

Western Electric Company. (See Smith, Percy C., assignor.)

Western Electric Company. (See Smythe, Edwin H., assignor.)

Western Electric Company. (See Waller, Lee R., assignor.)

Western Electric Company. (See Williams, Samuel B., assignor.)
Western Electric Company. (See Williams, S. B., jr., and Gibson, assignors.)
Western Electric Company. (See Williams, S. B., jr., and Hinrichsen, assignors.)
Westinghouse Electric & Manufacturing Company. (See Brackett, Quincy A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clay, Noble S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Evans, R. D., and Pierce, assignors.)
Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kenyon, Otis A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lehr, Edwin E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marsland, Roland, assignor.)
Westinghouse Electric & Manufacturing Company. (See Mason, Henry L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Maude, Aylmer H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Sprong, Severn D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Greenawalt, Lewis J., assignor.)
Westinghouse Lamp Company. (See Compton, Arthur H., assignor.)
Westinghouse Union Battery Company. (See Norris, Paul E., assignor.)
Wheary Burge Trunk Company. (See Wheary, George H., assignor.)
Wheary, George H., assignor to Wheary Burge Trunk Company, Racine, Wis. Trunk fitting. 1,567,403; Dec. 29.
Wheeler, Robert L., Plentywood, Mont. Flexible end seal cartridge and ammunition. 1,567,631; Dec. 29.
Wheland Company, The. (See Campbell, George E., assignor.)
Whinfrey, Charles G., Shaker Heights Village, Ohio. Composition of matter for selective casehardening. 1,567,632; Dec. 29.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button-attaching machine. 1,567,882; Dec. 29.
White, James B., Fort Wayne, Ind. Signal for automobiles. 1,568,037; Dec. 29.
White, S. S., Dental Manufacturing Company. (See Angell, Robert C., assignor.)
Whitehead, Thomas C., Detroit, Mich. Auxiliary wheel rim. 1,567,218; Dec. 29.
Whitelaw, Hubert L., St. Louis County, and W. G. Vollmer, St. Louis, Mo., assignors to J. M. Williams, Santa Monica, Calif. Radiator. 1,567,404; Dec. 29.
Whiteley, William G., Boonton, N. J. Toy. 1,567,405; Dec. 29.
Whitney, Baxter D., & Son, Inc. (See Sawyer, Willard N., assignor.)
Whitney, Clarence E., et al., executors. (See Hanson, Bengt M. W.)
Whitney, F. A., Carriage Company. (See Dean, William A., assignor.)
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Forming pull-rod jaws. 1,567,351; Dec. 29.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Forming drawbar yokes. 1,567,352; Dec. 29.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Forming brake levers. 1,567,353; Dec. 29.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Forging double jaws. 1,567,354; Dec. 29.
Wiederhold, Oscar, Philadelphia, Pa. Heater. 1,567,691; Dec. 29.
Wielgus, Stanislaw, Sun, W. Va. Reversible plow. 1,567,311; Dec. 29.
Wietzel, Rudolf, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Manufacture of formamide. 1,567,312; Dec. 29.
Wilcox, Richard L., Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company. Forming buttons and the like. 1,568,029; Dec. 29.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Forming buttons and the like. 1,568,030; Dec. 29.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Forming buttons and the like. 1,568,031; Dec. 29.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Trimming mechanism. 1,568,032; Dec. 29.
Wildt & Co. Limited. (See Wildt, Edwin, assignor.)
Wildt, Edwin, assignor to Wildt & Co. Limited, Leicester, England. Striping means for knitting machines. 1,567,883; Dec. 29.
Wilhelmi, Dirk F., Doorwerth, near Arnhem, assignor to Vereenigde Nederlandsche Rubberfabrieken, Heveadorp, Netherlands. Vulcanizing mold, for rubber footwear. 1,567,479; Dec. 29.
Wilke, Gustave A., Milwaukee, Wis. Card package. 1,567,406; Dec. 29.
Wilkinson, Elmer H., Detroit, assignor to The Jewett Radio and Phonograph Company, Pontiac, Mich. Cabinet for radio loud speaker. Des. 69,169; Dec. 29.
Williams, Harry W., assignor to C. F. Gardner, Dayton, Ohio. Dispensing apparatus. 1,567,825; Dec. 29.
Williams, Jesse M. (See Whitelaw, H. L., and Vollmer, assignors.)
Williams, John, jr. (See Williams, Joseph A. and J., jr.)
Williams, Joseph A. and J., jr., Belleville, N. J. Operating means for printing presses. 1,568,015; Dec. 29.
Williams, Samuel B. (See Keller, L., and Williams.)
Williams, Samuel B., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,567,094; Dec. 29.
Williams, Samuel B., jr., Brooklyn, N. Y., and E. S. Gibson, Ridgewood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. 1,568,038; Dec. 29.
Williams, Samuel B., jr., Brooklyn, and E. E. Hinrichsen, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,568,039; Dec. 29.
Williams, William E., Wilmette, Ill., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Tension-plate wheel. Re16,235; Dec. 29.
Williams, Wister C., assignor to McLaughlin Coal Reduction Company, Decatur, Ill. Metal-melting method. 1,567,219; Dec. 29.
Williamson, George L., Chicago, Ill. Cleansing and paint-removing device. 1,567,220; Dec. 29.
Willys-Overland Company, The. (See Belden, Edward H., assignor.)
Wilson, George A., and R. W. Edens, Huntington Beach, Calif. Separator for gas, oil, water, and sand. 1,567,313; Dec. 29.
Wilson, William M. (See Flannery, J. R., and Wilson.)
Window Glass Machine Company. (See Schmertz, Louis R., assignor.)
Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)
Woldert, Alex, assignor to Alex Woldert Company, Tyler, Tex. Nutcracker. 1,567,884; Dec. 29.
Woldert, Alex, Company. (See Woldert, Alex, assignor.)
Woll, Peter, jr., Melrose, assignor to Peter Woll Manufacturing Company, Philadelphia, Pa. Hair-curling machine. 1,567,826; Dec. 29.
Woll, Peter, Manufacturing Company. (See Woll, Peter, jr., assignor.)
Wood, Charles R., Memphis, Tenn. Huller and cleaner feeder for cotton gins. 1,567,314; Dec. 29.
Wood, Ira C., South Pasadena, assignor of three-fourths to W. M. Hunt, Fullerton, Calif. Glareshield for motor vehicles. 1,567,480; Dec. 29.
Woodhull, Llewellyn S., Detroit, Mich. Steam trap. 1,567,481; Dec. 29.
Woodruff & Edwards Co. (See Abbott, George H., assignor.)
Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
Worner, Henry F., Philadelphia, Pa. Combined radio control lever and dial. Des. 69,169; Dec. 29.
Worth, Samuel, Chicago, Ill. Apparatus for playing parlor games. 1,567,560; Dec. 29.
Wrigley, Henry J., assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Brake mechanism for railway cars. 1,567,407; Dec. 29.
Wrigley, Wm., Jr. Company. (See Ranney, Willet B., assignor.)
Yale & Towne Manufacturing Company, The. (See Jackson, Arthur C., assignor.)
Yngve, Victor, South Orange, N. J., assignor to Manhattan Electrical Supply Company, Inc., New York, N. Y. Dry cell. 1,567,561; Dec. 29.
Young, Harold H., and E. A. Ryder, Keyport, N. J. Support for electrical apparatus. 1,567,562; Dec. 29.
Zain, George. (See Josselyn, Stormont, assignor.)
Zaremba, Anthony, Chicago, Ill. Notebook clip. 1,567,315; Dec. 29.
Zetka, Joseph B., Nutley, N. J., assignor to Brightson Laboratories, Inc., New York, N. Y. Electron-discharge device. 1,568,026; Dec. 29.
Zimmerman, Harry C., Washington, D. C. Brake control. 1,567,221; Dec. 29.
Zimmerman, Paul G., Keyport, N. J., assignor to Aeromarine Plane & Motor Company, New York, N. Y. Tail skid. 1,567,222; Dec. 29.
Zim Manufacturing Company. (See Berkman, Herbert A., assignor.)
Zublin, John A., Los Angeles, Calif. Deep-well pump. 1,567,827; Dec. 29.
Zucker, Gottlieb F., Chicago, Ill. Vehicle spring suspension. 1,567,885; Dec. 29.

# ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 29TH DAY OF DECEMBER, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive disks, Making. H. C. Martin. 1,567,071; Dec. 29.
Absorption tower. D. L. Newton. 1,567,456; Dec. 29.
Accounting systems. Record for. W. W. Lasker, jr. 1,567,325; Dec. 29.
Acetylenation of fatty and other substances. L. G. Bourgoin. 1,567,785; Dec. 29.
Adjustable coupling. A. C. Pihl. 1,567,294; Dec. 29.
Adjustable support. H. C. Getman. 1,567,800; Dec. 29.
Advertising device. W. L. Skeen. 1,567,471; Dec. 29.
Advertising frame. J. A. Nugent. 1,567,459; Dec. 29.
Aerial advertising means, Electric. C. S. Trippeda and A. J. Dichiaro. 1,568,011; Dec. 29.
Aerial, Closed tuned coil or loop. G. W. Pickard. 1,567,542; Dec. 29.
Aerial tramway grip. E. H. Sackett. 1,567,391; Dec. 29.
Aeroplanes, Variable fluido-dynamic wings such as for. F. Magni. 1,567,531; Dec. 29.
Agricultural-implement construction. E. M. Cole. 1,567,244; Dec. 29.
Agricultural machine. J. M. Hays. 1,567,945; Dec. 29.
Air-brake systems, Valve construction for. H. Schmarge. 1,567,394; Dec. 29.
Airplane from a tail-spin fall, Device to prevent an. J. Bakker. 1,567,697; Dec. 29.
Airplanes, Speed-retarding device for. F. M. Bohler. 1,567,229; Dec. 29.
Airships, Anchorage assembly for. J. E. Broyles. 1,567,703; Dec. 29.
Airships, Gas discharge from. W. E. Dörr. 1,567,578; Dec. 29.
Alarm: *See*—
Fire and burglar alarm.
Alkali-metal thiosulphate from solutions containing alkali-metal sulphide, Obtaining. F. Rüsberg. 1,567,755; Dec. 29.
Allotter-controlling system. A. E. Lundell. 1,567,069; Dec. 29.
Alloy and making the same, Soldering. E. D. Schwalm. 1,567,396; Dec. 29.
Alloy, Nickel-copper. J. W. Lehr. 1,567,066; Dec. 29.
Aluminum sulphate from aluminous materials, Making. R. Moldenke and W. Schumacher. 1,567,610; Dec. 29.
Anæsthetic gases, Apparatus for administering. H. W. C. Schröder. 1,567,868; Dec. 29.
Anæsthetists, Appliance for use by. G. N. Hein. 1,567,500; Dec. 29.
Animal trap. L. R. Van Tassel. 1,567,214; Dec. 29.
Anhydrous magnesium chlorides, Making. P. Cottringer and W. R. Collings. 1,567,317; Dec. 29.
Annealing steel sheets. J. T. Hay. 1,567,143; Dec. 29.
Antirattling device. G. E. Clayton. 1,567,421; Dec. 29.
Antiskid device. A. Boomhower. 1,567,904; Dec. 29.
Antislip surface and making the same. F. J. Tone and M. L. Hartmann. 1,567,772; Dec. 29.
Article-carrying container. R. B. Lawrence. 1,567,065; Dec. 29.
Audion electrode structure. W. Garity. 1,567,260; Dec. 29.
Auto chain fastener. D. V. Banes. 1,567,103; Dec. 29.
Automobile brake-band attachment. D. Blumberg. 1,567,634; Dec. 29.
Automobile carrier. B. E. Watson. 1,568,014; Dec. 29.
Automobile door. W. Brewster. 1,567,831; Dec. 29.
Automobile door sign. P. Siever. 1,567,387; Dec. 29.
Automobile hat rack, Adjustable. M. S. Rodstein. 1,567,819; Dec. 29.
Automobile hood catch. A. C. Jackson. 1,567,650; Dec. 29.
Automobile jack. L. R. Foster. 1,567,796; Dec. 29.
Automobile jack. G. L. Pitt and W. G. Harper. 1,567,675; Dec. 29.
Automobile lock. W. Gans. 1,567,259; Dec. 29.
Automobile signal. J. B. White. 1,568,037; Dec. 29.
Automobiles, Control and steering mechanism for. B. W. King. 1,567,603; Dec. 29.
Automobiles, Oscillating figure for. L. T. Murrah. 1,567,453; Dec. 29.
Autotoboggan. G. A. Walker. 1,567,776; Dec. 29.
Awning covering and closure for openings in walls. C. F. Capell. 1,567,239; Dec. 29.
Awning-front rods, Clip for. O. E. Pease and N. G. Joseph. 1,567,674; Dec. 29.
Axles, Tool for removing spring supports on. H. A. Berkman. 1,567,485; Dec. 29.

Baby carrier. F. A. Mitchell. 1,567,285; Dec. 29.
Backrest. R. C. Angell. 1,567,695; Dec. 29.
Badge. E. H. Butterfield. Des. 69,113; Dec. 29.
Badge. J. W. Keogh. Des. 69,139; Dec. 29.
Bag: *See*—
Clothespin bag.
Bait, Glass. G. G. Roberts. 1,567,800; Dec. 29.
Baking machine. C. R. Taylor. 1,567,343; Dec. 29.
Baking pan, Combination. H. Brucker. 1,567,234; Dec. 29.
Balloon-envelope material and manufacturing the same. R. and B. Trenckmann. 1,567,556; Dec. 29.
Band, film, or the like opposite a stationary body, Device adapted to maintain for a predetermined period of time a continuously-moving. A. Michetti. 1,567,746; Dec. 29.
Band mills, Tension for. G. E. Campbell. 1,567,911; Dec. 29.
Banjos and the like musical instruments, Neck for. W. H. De Wick. 1,567,359; Dec. 29.
Banjos and the like, Neck attachment for. R. C. Danly. 1,567,358; Dec. 29.
Bank check. J. Patton, jr. 1,567,613; Dec. 29.
Barbers' hair cloths and the like, Fastener for. J. Favata, jr. 1,567,433; Dec. 29.
Barrel heads, Expander for metal. F. J. Rode. 1,567,387; Dec. 29.
Baseball glove or mitt. H. B. Latina. 1,567,658; Dec. 29.
Batteries. Handle for storage. C. D. Galloway. 1,567,799; Dec. 29.
Battery electrolyte-level-indicating means. G. C. McIntyre and S. L. Barlow. 1,567,876; Dec. 29.
Battery separator, Storage. P. E. Norris. 1,567,747; Dec. 29.
Bearing for centrifugal extractors. W. H. Sumbling. 1,567,768; Dec. 29.
Bearing, Roller. H. H. Timken. 1,567,822; Dec. 29.
Bearing, Vehicle spring. R. R. Searles. 1,567,302; Dec. 29.
Bed, Collapsible auto and porch. W. R. Douglas. 1,567,493; Dec. 29.
Bee gum. R. O. G. Bowman. 1,567,906; Dec. 29.
Beet-loading machine. H. E. Jackson. 1,567,509; Dec. 29.
Beet-unloading means. J. Comer. 1,567,837; Dec. 29.
Bevel shears. H. D. Pennington. 1,567,078; Dec. 29.
Bit. W. I. Bettis. 1,567,829; Dec. 29.
Bituminous emulsions, Making. L. Kirschbraun. 1,567,061; Dec. 29.
Blasting tube and blasting-tube package. G. S. Clark. 1,567,991; Dec. 29.
Block: *See*—
Building block. Tackle block.
Board: *See*—
Ironing board.
Boiler: *See*—
Steam boiler.
Boilers, Combustion-regulating system for. E. H. Scofield. 1,567,869; Dec. 29.
Book printing and the like, Producing reproduction means for. D. Scharschawsky. 1,567,333; Dec. 29.
Books and other papers to be filed, Device for perforating the leaves of loose-leaf. J. A. Keene. 1,567,874; Dec. 29.
Boot cleaner, Automatic. R. S. Broge. 1,567,832; Dec. 29.
Bottle. C. J. Root. Des. 69,158; Dec. 29.
Bottle. F. W. Schwenck. Des. 69,160; Dec. 29.
Bottle-filling apparatus. J. G. Erion. 1,567,126; Dec. 29.
Bottle holder, Nursing. L. L. Barbin. 1,567,225; Dec. 29.
Bottle-label press. E. E. Kallenbach. 1,567,149; Dec. 29.
Box: *See*—
Conduit outlet box.
Stereotype-plate-casting box.
Box lock, Safe-deposit. J. G. Gregory. 1,567,135; Dec. 29.
Box or similar article, Glass. R. Lalique. Des. 69,142; Dec. 29.
Box with toggle joint, Ground. R. M. Robinson. 1,567,680; Dec. 29.
Bracket: *See*—
Combination bracket.

Braiding machine. O. A. Frederickson. 1,568,019; Dec. 29.
Brake: *See*—
Electropneumatic brake.
Brake. H. G. Cole. 1,567,915; Dec. 29.
Brake bands, Demountable clip for. R. W. McClelland. 1,567,854; Dec. 29.
Brake control. H. C. Zimmerman. 1,567,221; Dec. 29.
Brake control, Automatic. W. J. Spiro. 1,567,174; Dec. 29.
Brake equalizer. F. C. Brown. 1,567,787; Dec. 29.
Brake levers, Forming. L. L. Whitney. 1,567,853; Dec. 29.
Brake mechanism for automobiles. I. F. Pfeiffer. 1,567,982; Dec. 29.
Brake shoe. A. Y. Dodge. 1,567,716; Dec. 29.
Brake shoe. A. Nelson. 1,567,290; Dec. 29.
Braking system. V. Bendix. 1,567,699; Dec. 29.
Broom holder and shoe polisher, Combination whisk-. L. E. Goeller. 1,567,262; Dec. 29.
Brush, Fountain. J. O. Patty. 1,567,076; Dec. 29.
Brush support. F. G. Dieke. 1,567,789; Dec. 29.
Building block. C. M. Eberling. 1,567,430; Dec. 29.
Building block. V. E. Rowland. 1,567,085; Dec. 29.
Burglar protection. H. Frank. 1,567,723; Dec. 29.
Burner: *See*—
Fuel burner. Oil burner.
Gas burner.
Burner. C. W. Mummery. 1,567,288; Dec. 29.
Burners, Safety feed for oil. W. F. Ravenor. 1,567,815; Dec. 29.
Butt-line-rigging plate. J. N. Erlandsen. 1,567,719; Dec. 29.
Button-attaching machine. F. R. White. 1,567,882; Dec. 29.
Buttons and the like, Forming. R. L. Wilcox. 1,568,029–31; Dec. 29.
Cabinet fixture. E. W. Cummings. 1,567,357; Dec. 29.
Cable insulations, Cutter for removing. D. C. Ober and A. E. Askue. 1,567,812; Dec. 29.
Cage, Overturning. D. F. Lepley. 1,567,522; Dec. 29.
Cake-coating machines, Feeding mechanism for. W. Costello, jr. 1,567,917; Dec. 29.
Calculating device. J. Bergmann. 1,567,564; Dec. 29.
Calculating machine. A. Reisser. 1,567,985; Dec. 29.
Can: *See*—
Filling can. Oil can.
Can bracket and hanger. R. F. Lindsay, sr. 1,567,523; Dec. 29.
Can opener and sealer, Combination. C. G. Hughes. 1,567,950; Dec. 29.
Can-sealing machine. G. W. Mudd. 1,567,074; Dec. 29.
Candleholder. L. V. Lavell. Des. 69,143; Dec. 29.
Candlestick. M. Klein. Des. 69,140; Dec. 29.
Candy whistles, Method and apparatus for forming. F. B. Miller. 1,567,284; Dec. 29.
Cane. P. Jones. 1,567,322; Dec. 29.
Canned foods, Preventing discoloration of. T. W. Morgan and W. W. Murray. 1,567,163; Dec. 29.
Cape. A. E. Warfman. Des. 69,167; Dec. 29.
Capsule-filling machine. L. R. Eastman. 1,567,639; Dec. 29.
Car deck. F. W. Shields. 1,567,750; Dec. 29.
Car hatch closure, Refrigerator. K. F. Nystrom. 1,567,671; Dec. 29.
Car, Railway. B. B. Greer. 1,567,729; Dec. 29.
Car roof. R. D. Hawkins. 1,567,141; Dec. 29.
Car roof. W. D. Thompson. 1,568,009; Dec. 29.
Car windows, Sash lock for railway-. E. F. Chaffee. 1,567,571; Dec. 29.
Cars, Brake mechanism for railway. H. I. Wrigley. 1,567,407; Dec. 29.
Cars, Drain seal for refrigerator. G. L. Comlomy. 1,567,423; Dec. 29.
Carbon butts, Receptacle for. J. A. Barcelona. 1,567,894; Dec. 29.
Carbureting device. H. W. Spiller. 1,567,088; Dec. 29.
Carburetor. A. Cox. 1,567,918; Dec. 29.
Carburetor. C. A. Fleming. 1,567,935; Dec. 29.
Carburetor. C. J. Gustafson. 1,567,732; Dec. 29.
Carburetor. G. M. Holley. 1,567,268; Dec. 29.
Carburetor. F. C. Mock. 1,567,807; Dec. 29.
Carburetor. A. P. Plant. 1,567,171; Dec. 29.
Carburetor. G. W. Storch. 1,567,767; Dec. 29.
Carburetors, Air-temperature control for. F. C. Mock. 1,567,805; Dec. 29.
Card container. E. N. Goldstine. 1,567,133; Dec. 29.
Card package. G. A. Wilke. 1,567,406; Dec. 29.
Carding engine, Revolving flat. A. E. Oxley. 1,567,541; Dec. 29.
Carrier: *See*—
Automobile carrier. Snow carrier.
Baby carrier. Tire carrier.
Cartridge and ammunition. Flexible-end-seal. R. I. Wheeler. 1,567,631; Dec. 29.
Case: *See*—
Folding case. Toilet case.
Key case. Vanity case.
Pen and pencil case.
Case hardening, Composition of matter for selective. C. G. Whinfrey. 1,567,632; Dec. 29.
Caskets, Pillow rest for. J. C. Rumsey. 1,567,862; Dec. 29.
Castanet and jingle, Combined musical. W. F. Ludwig. 1,567,803; Dec. 29.
Caster, Rigid. W. H. Noelting and E. A. Smithfield. 1,567,380; Dec. 29.
Casting die and seasoning the same, Bar-. B. S. Elrod. 1,567,431; Dec. 29.
Casting machine, Centrifugal. H. Burcharts. 1,567,488; Dec. 29.
Catamenial bandage. H. E. Weight. 1,567,987; Dec. 29.
Celluloses, Recovering the lye from disintegrated. G. Mosebach. 1,567,668; Dec. 29.
Chain. C. Schraysschuen. 1,567,086; Dec. 29.
Chain, Conveyer. H. H. Morgan. 1,567,162; Dec. 29.
Chain drive. E. H. Fahrney. 1,567,494; Dec. 29.
Chain, Expansible. G. A. Guyot. 1,567,640; Dec. 29.
Chains, Making. M. P. Holmes. 1,567,505; Dec. 29.
Chair seat. R. C. Angell. 1,567,696; Dec. 29.
Chalk-line holder. J. C. Myers. 1,567,976; Dec. 29.
Chalk-line reel. F. R. Bear. 1,567,483; Dec. 29.
Chandeliers, Arm for electric. A. P. Seidell. Des. 69,162; Dec. 29.
Check, Safety bank. W. F. Lohff. 1,567,156; Dec. 29.
Cider presses, Tub for. D. E. Reed. 1,567,173; Dec. 29.
Cigar bunching. B. Liberman. 1,567,279; Dec. 29.
Cigarette machine. H. S. Marsh. 1,567,533; Dec. 29.
Cigarettes and matches, Container for. L. J. Rosar. 1,567,752; Dec. 29.
Circuits, Four-wire repeater. H. Nyquist. 1,567,167; Dec. 29.
Cisterns, Separator attachment for. S. C. Brady. 1,567,486; Dec. 29.
Cleaner: *See*—
Boot cleaner. Tipple-screen cleaner.
Pan cleaner. Vacuum cleaner.
Cleaning machine. G. L. Allen and R. C. Thompson. 1,567,093; Dec. 29.
Cleansing and paint-removing device. G. L. Williamson. 1,567,220; Dec. 29.
Clearance control, Automatic auxiliary. W. C. Brown. 1,567,233; Dec. 29.
Clip: *See*—
Notebook clip.
Clock mounting. R. P. Dodds. 1,567,925; Dec. 29.
Closet: *See*—
Dry closet.
Clothespin bag. Z. M. Ricketts. 1,567,677; Dec. 29.
Clutch, Hydraulic. R. F. Carey. 1,567,912; Dec. 29.
Coal conveyer and conveying system. R. Peale. 1,567,330; Dec. 29.
Coating articles, Machine for. H. N. Huse. 1,567,508; Dec. 29.
Collar fastener. H. L. Croson. 1,567,247; Dec. 29.
Colors to plastic compositions, Applying. G. W. Brockus. 1,567,487; Dec. 29.
Combination bracket. A. Mathis. 1,567,744; Dec. 29.
Comminuting or grinding machine. E. Carns. 1,567,034; Dec. 29.
Commutators, Short-circuiting device for. E. P. Larsh. 1,567,657; Dec. 29.
Compress. P. H. Epler. 1,567,931; Dec. 29.
Concrete building units, Mold for forming. H. E. Clouser. 1,567,243; Dec. 29.
Concrete-distributing apparatus. A. R. Reed. 1,567,385–6; Dec. 29.
Concrete-distributing system. C. H. Tompkins. 1,567,771; Dec. 29.
Concrete pole, Sectional. A. C. Ross. 1,567,301; Dec. 29.
Concrete shingle. C. F. Heilbinger. 1,567,946; Dec. 29.
Condenser. A. E. Berdon. 1,567,409; Dec. 29.
Condenser. E. A. Johnsen. 1,567,510; Dec. 29.
Condenser. J. F. Lindberg. 1,567,067; Dec. 29.
Condiment holder, Moistureproof. D. E. Frierson. 1,567,726; Dec. 29.
Conduit outlet box. F. C. Smith and E. A. Olley. 1,567,624; Dec. 29.
Confection-cooling apparatus. A. L. Bausman. 1,567,633; Dec. 29.
Connecter. R. F. Landrum. 1,568,022; Dec. 29.
Construction material and manufacturing same. P. Marpillero, L. Lorensetti, and I. Marzola. 1,567,663; Dec. 29.
Container closure. W. H. Rose. 1,567,084; Dec. 29.
Control device, Fluid-actuated. F. A. Gauger and R. W. Johnson. 1,567,435; Dec. 29.
Control system. R. E. Hellmund. 1,567,591; Dec. 29.
Controlling system. W. P. Albert. 1,567,223; Dec. 29.
Convertible register. L. J. Colgan. 1,567,115; Dec. 29.
Cooking kit, Portable. G. E. Riddel and W. Queirolo. 1,567,678; Dec. 29.
Cooking-utensil-cover support. H. J. Meyer. 1,567,160; Dec. 29.
Cooling tower. E. Burhorn. 1,567,415; Dec. 29.
Copper electrolytically, Making of sheet. M. A. Jullien. 1,567,737; Dec. 29.
Core centraliser, Automatic. H. S. Lee. 1,567,606; Dec. 29.
Core drill, Rotary. C. E. Reed. 1,567,617; Dec. 29.
Cores from citrous fruits, Implement for removing. C. C. Thomas. 1,568,008; Dec. 29.
Corn-husking machine. C. T. Howson. 1,567,736; Dec. 29.
Cot, Folding. E. G. Brandt. 1,567,786; Dec. 29.
Cotton gins, Huller and cleaner feeder for. C. R. Wood. 1,567,814; Dec. 29.





Cotton textiles to impart a linenlike appearance thereto, Treating. R. M. L. G. Hébert. 1,567,264; Dec. 29.
Cotton-working machine. H. W. Owen. 1,567,611; Dec. 29.
Coupling: *See*—
Adjustable coupling. Shaft coupling.
Hose coupling. Universal coupling.
Counting machine. H. Iepson. 1,567,951; Dec. 29.
Cradle. C. W. Carnes. 1,567,418; Dec. 29.
Crank shaft. H. R. Ricardo. 1,567,986; Dec. 29.
Crucible, Porcelain. A. König. 1,567,654; Dec. 29.
Cultivator, Cotton. B. J. Foster. 1,567,455; Dec. 29.
Cup: *See*—
Oil cup. Priming cup.
Cup or similar article. G. Haviland. Des. 69,133–4; Dec. 29.
Curling irons, Electric heater for. D. W. Van Tine. 1,567,878; Dec. 29.
Curtain and drapery holder. E. Roy. 1,567,196; Dec. 29.
Curtain fastener, Socket for. J. Vodicka. 1,567,848; Dec. 29.
Cushion-cover construction. S. Suekoff. 1,567,206; Dec. 29.
Cut-out, Automatic. J. S. Reynolds. 1,568,035; Dec. 29.
Cutter: *See*—
Potato-seed cutter.
Cutting machines, Feeding apparatus for use in conjunction with. W. B. Monk. 1,567,449; Dec. 29.
Cylinder-control mechanism. E. F. Dudley. 1,567,361; Dec. 29.
Cylinder-control mechanism. E. F. Dudley and H. D. Stevens. 1,567,360; Dec. 29.
Cylinder-grinding machine. R. H. Webber. 1,567,350; Dec. 29.
Cylinder hone. E. P. Campbell. 1,567,417; Dec. 29.
Delivery mechanism. J. J. Power. 1,567,383; Dec. 29.
Dental articulator. W. M. Gambill. 1,567,938; Dec. 29.
Detergent compound. B. L. Blatt. 1,567,902; Dec. 29.
Die sets, Leader pin for. R. C. Danly. 1,568,017; Dec. 29.
Dish, Covered. T. C. Merriman. Des. 69,148; Dec. 29.
Dishwashing machine. S. and H. G. Dyktor. 1,567,992; Dec. 29.
Dispensing apparatus. H. W. Williams. 1,567,825; Dec. 29.
Dispensing device. E. V. Nessling and R. M. Warwick. 1,567,977; Dec. 29.
Display apparatus. L. R. McDonald. 1,567,281; Dec. 29.
Display card. F. L. Rousseau. 1,567,195; Dec. 29.
Display device. S. E. Duveck. 1,567,123; Dec. 29.
Display device. J. V. Pilcher. 1,567,170; Dec. 29.
Display frame, Folding. C. W. Taussig. 1,567,307; Dec. 29.
Display stand. D. M. Singer. Des. 69,164; Dec. 29.
Doll. W. B. Lillard. Des. 69,144; Dec. 29.
Doll-dress structure. J. Levaggi and W. J. Doherty. 1,567,661; Dec. 29.
Doll, Rabbit. N. Bloom. Des. 69,108; Dec. 29.
Dolls, etc., Articulative sound-producing device for. L. J. Grubman. 1,567,942; Dec. 29.
Door. E. B. Smith. 1,567,546; Dec. 29.
Door-fastening device. P. T. D'Almaforte. 1,567,921; Dec. 29.
Doorcheck. L. D. West. 1,567,093; Dec. 29.
Doorknob. S. Kalm. 1,567,954; Dec. 29.
Doorlock. T. F. Murphy. 1,567,811; Dec. 29.
Drawbar yokes, Forming. L. L. Whitney. 1,567,852; Dec. 29.
Drawing table. W. L. E. Keuffel. 1,567,513; Dec. 29.
Drier. E. B. Ayres and A. O. Hurxthal. 1,567,891; Dec. 29.
Drier. E. J. Carroll. 1,567,709; Dec. 29.
Drill: *See*—
Core drill. Well drill.
Multiple drill.
Drill puller. G. Hinman. 1,567,504; Dec. 29.
Drink heater. J. W. Rittman, J. Rood, and W. Driver. 1,567,679; Dec. 29.
Drive stand. C. J. Kern. 1,567,955; Dec. 29.
Driving and engine-truck box lubricator. G. W. Keller. 1,567,652; Dec. 29.
Dry cell. V. Ingve. 1,567,561; Dec. 29.
Dry closet. P. B. Bogart. 1,567,414; Dec. 29.
Drying apparatus, Control system for. E. J. Carroll. 1,567,710; Dec. 29.
Drying apparatus, Rotary. P. Scrive. 1,567,835; Dec. 29.
Dyeing, Valuable compound for. F. Günther. 1,567,731; Dec. 29.
Dyestuff of the anthraquinone series and intermediate products and making same, Indigoid. B. Mayer and W. Moser. 1,567,158; Dec. 29.
Dynamo-electric machine. H. Weichsel. 1,567,217; Dec. 29.
Egg-dipping machine. E. E. Anderson. 1,567,563; Dec. 29.
Elastic webbing, Reenforced. G. E. Clauss. 1,567,836; Dec. 29.
Electric-arc device. R. T. Cheeseman. 1,567,835; Dec. 29.
Electric condenser. J. F. Lindberg. 1,567,068; Dec. 29.
Electric connecter. I. W. Litchfield. 1,567,155; Dec. 29.
Electric coupler. C. H. Tomlinson. 1,567,474; Dec. 29.
Electric currents, Converting and transforming. J. E. Calverley and W. E. Highfield. 1,567,082; Dec. 29.
Electric distant control apparatus, Complete. E. Granat. 1,567,941; Dec. 29.
Electric generating plant for constant-current systems. G. Austin, J. C. Macfarlane, and W. A. Macfarlane. 1,567,890; Dec. 29.
Electric heater. L. W. Serrell. 1,567,870; Dec. 29.
Electric jet-wave commutator and interrupter. J. F. G. P. Hartmann. 1,567,367; Dec. 29.
Electric motor. A. E. Oswald. 1,567,672; Dec. 29.
Electric push button. S. H. Hemphill. 1,567,947; Dec. 29.
Electrical apparatus. O. H. Eschholz. 1,567,580; Dec. 29.
Electrical apparatus, Support for. H. H. Young and E. A. Ryder. 1,567,562; Dec. 29.
Electrical devices, Wall-attachment means for. H. R. Sargent. 1,567,864; Dec. 29.
Electrical induction apparatus. J. J. Frank. 1,567,797; Dec. 29.
Electrically reproducing sounds, Device for. O. Bothe. 1,567,230; Dec. 29.
Electrolytic condenser terminal. J. Slepian. 1,567,763; Dec. 29.
Electropneumatic brake. H. Pieper. 1,567,614; Dec. 29.
Electron-discharge device. J. B. Zetka. 1,568,026; Dec. 29.
Electrotherapeutic appliance. A. Lloyd. 1,567,741; Dec. 29.
Elevators, Glass-loading spout for grain. H. C. Holst. 1,567,369; Dec. 29.
Embroidering machine. R. F. Houser. 1,567,647; Dec. 29.
End gate. F. M. Chandler. 1,567,913; Dec. 29.
Engine: *See*—
Carding engine. Internal-combustion engine.
Engine timer, Internal-combustion-. F. E. Emert. 1,567,930; Dec. 29.
Engines, Centrifugal governor for gasoline. C. L. Bailey. 1,567,101; Dec. 29.
Engines driving screw propellers, Forced-feed system for internal-combustion. L. Bongiovanni. 1,567,700; Dec. 29.
Engines, High-temperature alarm for internal-combustion. O. Rabe. 1,567,616; Dec. 29.
Engines, Lubricating the bore of cylinders of. E. A. Watts. 1,567,216; Dec. 29.
Engines on ships, Device for relatively propping piston. E. Oehler. 1,567,748; Dec. 29.
Engines, Timer for internal-combustion. E. E. Fournier. 1,567,722; Dec. 29.
Evaporating still. D. L. Newton. 1,567,455; Dec. 29.
Exercise table, Vibrating. A. H. Stebbins. 1,567,818; Dec. 29.
Exercise table, Vibratory. A. H. Stebbins. 1,567,819; Dec. 29.
Exhaust head. T. J. Cookson. 1,567,712; Dec. 29.
Exhibitor, Changeable. R. D. Robison, R. J. Christman, and G. E. Swigart. 1,567,466; Dec. 29.
Extractors, Unlonding device for underdriven centrifugal. F. M. Watkins. 1,567,689; Dec. 29.
Eyeglass construction. A. Veillette. 1,567,557; Dec. 29.
Eyeshield. W. C. Guide. 1,567,137; Dec. 29.
Fabric-cutting machine. I. Appelbaum. 1,567,099; Dec. 29.
Fabric-cutting machines, Blade for. I. Appelbaum. 1,567,098; Dec. 29.
Fabrics and garments cleansed by volatile liquids, Deodorizing. J. J. Jenkins. 1,567,443; Dec. 29.
Fan. H. R. Stuart. 1,567,401; Dec. 29.
Fan, Electrical. C. Happ. 1,567,436; Dec. 29.
Fastener. I. C. Fife. 1,567,129; Dec. 29.
Fastener-inserting machines, Fastener-stock-supplying mechanism for. S. A. Dobyne. 1,567,119; Dec. 29.
Fastening-inserting machine. R. E. Duplessis. 1,567,428; Dec. 29.
Faucet, Adjustable. F. D. Chase. 1,567,711; Dec. 29.
Faucet connection, Combination. S. Kersten. 1,567,956; Dec. 29.
Fertilizers, Treating. P. T. Axelsen. 1,567,408; Dec. 29.
Fibrous material, Machine for feeding. E. V. Bates. 1,567,896; Dec. 29.
Fibrous material, Method and apparatus for carding. J. A. Curtin. 1,567,841; Dec. 29.
File drawers, Guide rod for. F. L. G. Straubel. 1,567,874; Dec. 29.
Filling can. G. F. Voight. 1,567,476; Dec. 29.
Filter for reclaiming crank-case oil and other mineral oils and animal fats. J. V. Apablasa. 1,567,989; Dec. 29.
Filter or strainer especially applicable to milk and other potable liquids. R. Seligman. 1,568,001; Dec. 29.
Filtering device. J. V. Apablasa. 1,567,990; Dec. 29.
Fire-alarm-signal-transmitting apparatus. A. P. Loper. 1,567,826; Dec. 29.
Fire and burglar alarm system. S. I. Dresser. 1,567,121; Dec 29
Firearms, Accelerating device for automatic. C. Sutter. 1,568,005; Dec. 29.
Fire extinguisher. F. E. Krauss. 1,567,959; Dec. 29.
Fire extinguisher, Well. A. A. Anthony. 1,567,097; Dec. 29.
Fireplace, Electric. D. N. Meany and E. N. Ellsworth. 1,567,855; Dec. 29.
Flask: *See*—
Molding flask.
Flatiron stand. S. A. Morrison and F. L. Oswald. 1,567,450; Dec. 29.

Flexible material into sheets, Mechanism for converting a web of. J. A. Cameron and R. M. Johnstone. 1,567,706; Dec. 29.
Float or raft for swimming purposes and the like. N. Straussler. 1,567,555; Dec. 29.
Flooring strip, Terrazzo. E. V. Walsh. 1,568,012; Dec. 29.
Fluid-pressure hammer. E. W. Stevens and J. A. Moore. 1,567,554; Dec. 29.
Fluids, Apparatus for treating lactic. J. M. W. Kitchen. 1,567,274; Dec. 29.
Flying machine. G. F. Myers. 1,567,670; Dec. 29.
Folding case. J. Tigerstrom. 1,568,010; Dec. 29.
Folding table. H. R. Basford. 1,567,175; Dec. 29.
Foldable table. C. R. Kositzky. 1,567,958; Dec. 29.
Form-locking device. H. A. Trester. 1,567,210; Dec. 29.
Formamide, Manufacture of. R. Wietzel. 1,567,312; Dec. 29.
4-hydroxypiperidines and making same, Manufacture of derivatives of. H. Staudinger. 1,567,200; Dec. 29.
Frame: *See*—
Advertising frame. Display frame.
Frame. T. Richter. 1,567,299; Dec. 29.
Friction device. P. Dubosclard. 1,567,717; Dec. 29.
Friction material. N. W. Nilson. 1,567,858; Dec. 29.
Fuel burner. A. R. Anthony. 1,567,482; Dec. 29.
Fuel, Making motor. L. de eFlorez. Re16,239; Dec. 29.
Fuel-reserve-maintaining device. J. W. Black. 1,567,412; Dec. 29.
Fuel separator and vaporizer. F. C. Mock. 1,567,806; Dec. 29.
Fuel separator and vaporizer. F. C. Mock and M. E. Chandler. 1,567,808; Dec. 29.
Fuel vaporizer. F. C. Mock. 1,567,810; Dec. 29.
Furnace: *See*—
Warm-air furnace.
Furnace doors, Smoke and gas collector for. J. W. Ebert. 1,567,927; Dec. 29.
Furnaces, Charging system for blast. W. E. Harrison and K. D. Stewart. 1,567,642; Dec. 29.
Furnaces, Draft-inducing conduit for. R. M. Fry. 1,567,798; Dec. 29.
Furniture. G. H. Abbott. 1,567,886; Dec. 29.
Fuse, Electric. C. O. Carrier. 1,567,420; Dec. 29.
Fuse, Electric mine. N. and O. Schmitt. 1,567,545; Dec. 29.
Fuse plug. H. W. McQuaid. 1,567,529; Dec. 29.
Fuse plug, Multiple. C. Lay. 1,567,187; Dec. 29.
Fuses, Percussion element for time. H. M. Brayton. 1,567,233; Dec. 29.
Game. J. Ekstein. 1,567,251; Dec. 29.
Game. T. Knutson. 1,567,154; Dec. 29.
Game. C. S. Muir. 1,567,975; Dec. 29.
Game. H. C. Warfield. 1,568,013; Dec. 29.
Game and game apparatus. C. S. Spaulding. 1,567,765; Dec. 29.
Game device. W. H. and H. L. Fauber. 1,567,046; Dec. 29.
Game, Puzzle. A. McKenzie. 1,567,966; Dec. 29.
Games, Apparatus for playing parlor. S. Worth. 1,567,560; Dec. 29.
Garage. M. C. Tunison and S. J. Nunn. 1,567,346; Dec. 29.
Garter. H. G. Parsons. 1,567,460; Dec. 29.
Gas burner. A. B. Sharp. 1,567,622; Dec. 29.
Gas lighter. C. M. Lee. 1,567,062; Dec. 29.
Gasifying and carbonizing coal and like fuel substances. H. Macaux. 1,567,967; Dec. 29.
Gas mains, Method of and apparatus for cleaning soot out of. W. F. Cagwin. 1,567,416; Dec. 29.
Gate: *See*—
End gate. Sagless gate.
Gate securing and closing means. F. J. Lynch. 1,567,526; Dec. 29.
Gauge: *See*—
Gear tooth gauge. Marking gauge.
Hydrogen-gas-pressure gauge.
Gear-tooth gauge. J. W. Gosnell. 1,567,134; Dec. 29.
Gears to their axles, Tool for removing from or applying differential. W. C. Bakels. 1,567,892; Dec. 29.
Gem setting. E. A. Kirchner. 1,567,516; Dec. 29.
Gin breasts, Lift for. F. B. Cumpston. 1,567,185; Dec. 29.
Girders or the like, Incasing. B. C. Collier and W. Leriche. 1,567,245; Dec. 29.
Glass feeders, Method and apparatus for heating. E. O. Hiller. 1,568,021; Dec. 29.
Glass, Method and apparatus for flattening and annealing sheet. L. R. Schmertz. 1,567,756; Dec. 29.
Glass-tumbler holder. B. V. Czarnecki. Des. 69,116; Dec. 29.
Globe holder. M. La Scola. 1,567,064; Dec. 29.
Glove blanks, Die for making. A. C. Ackerman. 1,567,887; Dec. 29.
Golf club. H. I. Jordan. 1,567,323; Dec. 29.
Golf club. J. A. Dahlman. 1,567,248; Dec. 29.
Golf swing device. R. G. Macnaughton and M. R. Walker. 1,567,530; Dec. 29.
Golosh or overshoe. M. M. Dessau. 1,567,714; Dec. 29.
Governor. R. Marsland. 1,567,970; Dec. 29.
Governor. H. L. Mason. 1,567,666; Dec. 29.
Gradometer. R. A. B. van Lynden. 1,567,347; Dec. 29.
Gravity indicator, Liquid. E. J. Sweetland. 1,567,821; Dec. 29.
Grinder. F. S. Hyland. 1,567,442; Dec. 29.
Grinding apparatus. R. M. Johnstone. 1,567,272; Dec. 29.
Grinding mill. L. J. Costa. 1,567,246; Dec. 29.
Grouser. D. J. Ribisi. 1,567,465; Dec. 29.
Gun rest for sportsmen, G. Thompson. Re16,238; Dec. 29.
Hair-curling machine. P. Woll, jr. 1,567,826; Dec. 29.
Hand bag. J. Steiner. Des. 69,166; Dec. 29.
Harrow. C. E. Webber. 1,567,778; Dec. 29.
Harrow tooth. H. L. Carr. 1,567,035; Dec. 29.
Harvesting machine. W. H. Dean. 1,567,576; Dec. 29.
Hay loader. J. H. Flatley. 1,567,434; Dec. 29.
Head receiver set. E. A. Bohlman. 1,567,105; Dec. 29.
Headlight, Dirigible. J. M. Dorton. 1,567,427; Dec. 29.
Headlight, Dirigible. W. W. Bratton. 1,567,907; Dec. 29.
Headlight for vehicles, Dirigible. J. M. Calkins. 1,567,112; Dec. 29.
Heat exchanger. D. D. Peebles. 1,567,814; Dec. 29.
Heater: *See*—
Drink heater. Manifold heater.
Electric heater. Water heater.
Heater. O. Wiederhold. 1,567,691; Dec. 29.
Heater and muffler, Combined. G. H. Earle. 1,567,792; Dec. 29.
Heating plants, Gas burner for. T. R. Blanchard. 1,567,830; Dec. 29.
Heddle. L. Balderston. 1,567,102; Dec. 29.
Hen from brooding, Discouraging a. C. E. Oylear. 1,567,980; Dec. 29.
High-voltage-producing means. J. Slepian. 1,567,762; Dec. 29.
Hoisting apparatus, Ship-. J. G. Currey. 1,567,116; Dec. 29.
Hole-cutting tool. M. J. Swanson. 1,567,341; Dec. 29.
Horn, Ornament for the bell of a. H. L. Buskey. Des. 69,112; Dec. 29.
Hose coupling. A. E. Jurs. 1,567,324; Dec. 29.
Hub. W. A. Dean. 1,567,638; Dec. 29.
Hydrocarbons and cyanids, Manufacturing. J. C. Clancy. 1,567,241; Dec. 29.
Hydrocarbons, Apparatus for distilling and blending. D. L. Newton. 1,567,458; Dec. 29.
Hydrocarbons, Apparatus for treating. F. C. Vandewater and F. R. Sunderman. 1,567,212; Dec. 29.
Hydrocarbons, Distilling and blending. D. L. Newton. 1,567,457; Dec. 29.
Hydrocarbons, Process of and apparatus for cracking. F. B. Koontz. 1,567,062; Dec. 29.
Hydrocarbons, Treatment of. C. N. Forrest and H. P. Hayden. 1,568,018; Dec. 29.
Hydrogen-gas-pressure gauge. T. M. Finley. 1,567,794; Dec. 29.
Hydroplane. G. J. Hartvig. 1,567,139; Dec. 29.
Ice-can filler. V. P. Miller. 1,567,161; Dec. 29.
Ice-cream cone-baking machine. G. Gerace. 1,567,588; Dec. 29.
Ice-cream container. A. Hitzert. 1,567,594; Dec. 29.
Incense burner. P. C. Morris. Des. 69,155; Dec. 29.
Indicator: *See*—
Liquid gravity indicator.
Inductance coil. P. J. Kelly. 1,567,600; Dec. 29.
Induction motor. K. Davis. 1,567,319; Dec. 29.
Injection for hemorrhoids. J. Kato. 1,567,847; Dec. 29.
Inkwell. A. Janusz. 1,567,597; Dec. 29.
Insect catcher. J. Bovet, V. L. Démoz, and A. L. Démoz. 1,567,905; Dec. 29.
Insect exterminator. A. Marek. 1,567,969; Dec. 29.
Insulated connector. L. Steinberger. 1,567,201; Dec. 29.
Insulator structure for electrostatic condensers and the like. I. P. Rodman. 1,567,544; Dec. 29.
Insulator-threading machine. C. V. Bennett. 1,567,027; Dec. 29.
Insulators and preparing same, Composition for electric. A. L. Labbe. 1,567,277; Dec. 29.
Interference, Reducing. O. E. Buckley. 1,567,316; Dec. 29.
Internal-combustion engine. G. W. Greenland. 1,567,802; Dec. 29.
Internal-combustion engine. L. V. Hosford and D. Davison. 1,567,949; Dec. 29.
Internal-combustion engine. A. L. Powell. 1,567,172; Dec. 29.
Iron and similar alloys, Making rustless. F. M. Becket. 1,567,898; Dec. 29.
Iron and sulphur from sulphide ores, Recovering. H. Conder. 1,567,916; Dec. 29.
Iron rolls, Controlling the condensing action in the casting of. A. Crook. 1,567,840; Dec. 29.
Ironing board. J. P. Dorau. 1,567,120; Dec. 29.
Ironing table, Folding. K. B. Olander. 1,567,168; Dec. 29.
Jack: *See*—
Automobile jack. Pump jack.
Jack. C. Steinkamper. 1,567,208; Dec. 29.
Jaw trap. M. Still. 1,568,004; Dec. 29.
Jaws, Forging double. L. L. Whitney. 1,567,354; Dec. 29.
Joining or permanently fastening articles together or closing them. T. E. Dingwall. 1,567,924; Dec. 29.
Joint: *See*—
Universal joint.
Key case. C. Lorber. 1,567,851; Dec. 29.





Key case. H. Ruvin. 1,567,620; Dec. 29.
Key cases and the like, Retaining clip for. W. R. Buxton. 1,567,636; Dec. 29.
Key-chain reel. W. Best. 1,567,783; Dec. 29.
Key holder. R. Dreblow. 1,567,926; Dec. 29.
Knitting machines, Striping means for. E. Wildt. 1,567,883; Dec. 29.
Knives, Apparatus for sharpening circular. V. Van Damme. 1,567,688; Dec. 29.
Lace, Embroidered. E. A. D. Press. Des. 69,157; Dec. 29.
Ladder, Folding. C. C. McCracken. 1,567,447; Dec. 29.
Lamp. P. Cricchio. Des. 69,114; Dec. 29.
Lamp and grill, Combined electric. J. C. Feldman. 1,567,585; Dec. 29.
Lamp-base construction, Wood. S. A. Ruppert. 1,567,390; Dec. 29.
Lamp construction. C. E. Godley. 1,567,365; Dec. 29.
Lamp, Electric. S. M. Lucas. 1,567,852; Dec. 29.
Lamp fixture, Incandescent-electric. T. B. Cabell. 1,567,237; Dec. 29.
Lamp for motor vehicles. O. C. Ritz-Woller. 1,567,193; Dec. 29.
Lamp, Miner's. S. T. Scoby. 1,567,682; Dec. 29.
Lamp shade, Souvenir. J. M. Lozano. 1,567,742; Dec. 29.
Lamp, Stand. E. C. Nyquist. Des. 69,156; Dec. 29.
Land-clearing machine. C. M. Bonney. 1,567,784; Dec. 29.
Lantern. J. W. Gosling. Des. 69,132; Dec. 29.
Lantern slide. F. A. Weeks. 1,567,310; Dec. 29.
Latch, Door. A. Ekman. 1,567,124–5; Dec. 29.
Latch, Vehicle. C. Mack. 1,567,662; Dec. 29.
Lathe. J. Burt. 1,567,705; Dec. 29.
Lathe machine, Automatic single-spindle or turret-. A. E. Drissner. 1,567,790; Dec. 29.
Lavatory appliance, Automatic. H. N. James. 1,567,270; Dec. 29.
Lead compounds, Producing. B. Mead. 1,567,159; Dec. 29.
Leather-measuring machine. R. J. McFall. 1,567,965; Dec. 29.
Leer-feeding apparatus. I. H. Freese. 1,567,725; Dec. 29.
Length-adjusting device applicable to reciprocating parts of machinery and the like, Automatic. W. Hamilton. 1,567,843; Dec. 29.
License plate, Illuminated. L. J. Maillot. 1,567,070; Dec. 29.
Light deflector. F. K. Reid. 1,567,984; Dec. 29.
Lighting fixture. S. Czapek. Des. 69,115; Dec. 29.
Lighting fixture. J. W. Gosling. Des. 69,131; Dec. 29.
Lighting fixture. L. Michelotti. Des. 69,149–54; Dec. 29.
Lighting fixtures, Bracket wall plate for. F. A. Frerichs. Des. 69,123–8; Dec. 29.
Lighting fixtures, Ceiling plate for. F. A. Frerichs. Des. 69,129–30; Dec. 29.
Lighting fixtures, Reflector for use in. W. T. Blackwell. Des. 69,107; Dec. 29.
Lighting fixtures, Wall bracket for. A. P. Seidell. Des. 69,163; Dec. 29.
Lint deflector. W. H. Reynolds. 1,567,191; Dec. 29.
Liquid-dispensing system. J. J. Catron. 1,567,570; Dec. 29.
Liquid-fuel mixtures, Production of. T. H. Butler, F. J. W. Popham, J. C. Mann, and H. W. Robinson. 1,567,233; Dec. 29.
Liquids, Machine for measuring and vending. C. A. Ross. 1,567,754; Dec. 29.
Lock: *See*—
Automobile lock. Switch-point lock.
Box lock. Window lock.
Nut lock. Window safety lock.
Pillar lock. Window-sash lock.
Railway-switch-point lock.
Lock. G. Blair. 1,567,901; Dec. 29.
Lock. C. E. Northrop. 1,567,979; Dec. 29.
Lock. E. R. Weber. 1,567,881; Dec. 29.
Locomotives, Feed-water heater for. J. H. Kidwell. 1,567,514; Dec. 29.
Log unloader. W. C. Starr. 1,567,473; Dec. 29.
Logs, Debarking machine for. G. C. Howard. 1,567,441; Dec. 29.
Loom. B. C. A. Vorster. 1,567,879; Dec. 29.
Loom cleaning device. W. L. Noblitt. 1,567,540; Dec. 29.
Loom, Marquisette or cross weaving. J. N. Grifith. 1,568,020; Dec. 29.
Loom stop mechanism. A. S. Johnson. 1,567,511; Dec. 29.
Looms, Reed holder for. W. I. Stimpson. 1,567,820; Dec. 29.
Looms, Warp stop motion for. J. Northrop. 1,567,166; Dec. 29.
Loose materials, Machine for handling and transporting. K. Davis. 1,567,320; Dec. 29.
Lubricating device. W. B. Burr. 1,567,111; Dec. 29.
Lubricating device. R. F. Mau. 1,567,745; Dec. 29.
Lubricator: *See*—
Driving and engine-truck Wheel lubricator.
box lubricator.
Magazine for explosives and ammunitions, Safety. F. Baratta. 1,567,893; Dec. 29.
Magnesium, Making metallic. P. Cottringer and S. B. Heath. 1,567,318; Dec. 29.
Magnetic holding device. H. K. Spencer. 1,568,024; Dec. 29.
Mail boxes, Signal for. K. W. Baber. 1,567,100; Dec. 29.
Mailing sheet, Record-. W. E. Swanson. 1,567,875; Dec. 29.
Manifold heater. W. H. Smith. 1,567,304; Dec. 29.
Manifolds, Heating attachment for intake. F. C. Mock and M. E. Chandler. 1,567,809; Dec. 29.
Marginal discharges, Arrangement for preventing. E. Pfiffner. 1,567,293; Dec. 29.
Marking gauge. J. H. Gilbert. 1,567,939; Dec. 29.
Mattress, Pneumatic. E. G. Daniels. 1,567,117; Dec. 29.
Mechanical movement. M. Carrasco-Sánchez. 1,567,419; Dec. 29.
Menu and order-slip holder, Combination. A. O. Hearne. 1,567,643; Dec. 29.
Mercury-tube switch. W. G. Hartwig. 1,567,140; Dec. 29.
Message-register system. E. E. Hinrichsen. 1,567,266; Dec. 29.
Metal bars from molten metal, Forming continuous soft-. B. S. Elrod and W. Hector. 1,567,363; Dec. 29.
Metal float. C. C. Manchester. 1,567,968; Dec. 29.
Metal forms, Apparatus for producing elongated. J. W. Lauren. 1,567,961; Dec. 29.
Metal-melting method. W. C. Williams. 1,567,219; Dec. 29.
Metal stock, Machine for heating. E. S. Jefferies. 1,567,373; Dec. 29.
Metal work and producing the same, Composite or skeleton. L. S. Lachman. 1,567,278; Dec. 29.
Metals, Electrolytic production of. E. Duhme. 1,567,791; Dec. 29.
Meter: *See*—
Unbalanced factor meter.
Meter. J. A. Tilden. 1,567,345; Dec. 29.
Mill: *See*—
Grinding mill. Tumbling mill.
Milk strainer. W. J. Galarneau. 1,567,937; Dec. 29.
Mills, Bar-scraping apparatus for rolling. J. P. McCaslin. 1,567,375; Dec. 29.
Mineral oils from oily sand, bitumen from oily chalk, oily slate, coal, etc., Apparatus for separating and extracting. H. Preller. 1,567,983; Dec. 29.
Mining machine, Coal-. R. Peale. 1,567,329; Dec. 29.
Mirror. A. D'Arino and M. Alsofrom. Des. 69,117–19; Dec. 29.
Mirror, Rear-view. R. R. Patterson. 1,567,169; Dec. 29.
Mirror, soap receptacle, and brush holder, Combined. L. Joseph. Des. 69,137; Dec. 29.
Mold: *See*—
Tire mold.
Molding flask. W. C. Jones. 1,567,058; Dec. 29.
Mop wringer. E. Leclerc and J. Bibaud. 1,567,519; Dec. 29.
Motor: *See*—
Electric motor. Water motor.
Induction motor. Wave motor.
Motor-controlling system. G. Fornaca. 1,567,795; Dec. 29.
Motor-starting switch. O. S. Jennings. 1,567,598; Dec. 29.
Motors, furnaces, and the like, Injecting liquid fuel and other liquids into explosion. O. R. Gronkwist. 1,567,051; Dec. 29.
Motors, Venting means for. A. H. Collins. 1,567,637; Dec. 29.
Motors, Water-cooling system for outboard. L. J. Johnson. 1,567,512; Dec. 29.
Mouthpiece. R. E. Cobb. 1,567,114; Dec. 29.
Mower, Electric lawn. E. Huff. 1,567,055; Dec. 29.
Mower-sickle-bar attachment. E. J. and G. A. Allen. 1,567,780; Dec. 29.
Mowing machine. H. Schieferstein. 1,567,334; Dec. 29.
Mud wing. J. W. Thompson. 1,567,770; Dec. 29.
Muffler. E. F. Reinhardt. 1,567,298; Dec. 29.
Multiple drill. L. C. Cole, O. Pabst, and C. May. 1,567,356; Dec. 29.
Nail expansion and method. J. Karitzky. 1,567,278; Dec. 29.
Nap-brushing machine. J. Huebsch. 1,567,370; Dec. 29.
Notebook clip. A. Zaremba. 1,567,315; Dec. 29.
Nozzle, Atomizer. H. L. Bruen and E. B. Gross. Des. 69,110; Dec. 29.
Nut lock. A. G. E. Hultgren and J. H. E. Thorén. 1,567,649; Dec. 29.
Nut lock. H. Kohn. 1,567,653; Dec. 29.
Nutcracker. A. Woldert. 1,567,884; Dec. 29.
Oil burner. N. W. Lyon. 1,567,608; Dec. 29.
Oil burner. L. L. Rogers. 1,567,996; Dec. 29.
Oil burner. F. J. Tarr. 1,568,007; Dec. 29.
Oil can. A. Novak, jr. 1,567,291; Dec. 29.
Oil can, Power. C. G. Haworth. 1,567,142; Dec. 29.
Oil cup. P. O. Brown. 1,567,702; Dec. 29.
Oil flotation apparatus and the like, Mixer for. J. Herman. 1,567,501; Dec. 29.
Oil gauges, Device for operating. J. W. Black. 1,567,410–11; Dec. 29.
Oil-well apparatus and operating the same. R. Conrader. 1,567,188; Dec. 29.
Oils, Converting hydrocarbon. J. H. Adams. 1,568,016; Dec. 29.
Operating means. A. H. Stebbins. 1,567,549–51; Dec. 29.
Operating means. A. H. Stebbins. 1,567,553; Dec. 29.
Ores and producing cement, Process and apparatus for reducing. A. Ferguson. 1,567,934; Dec. 29.

Ores, Desulphurization and concentration of sulphide iron. W. S. Millar. 1,567,378; Dec. 29.
Oven-door hinge. A. H. Tinnerman. 1,567,630; Dec. 29.
Overshot. A. Boynton. 1,567,109; Dec. 29.
Oxygen, Method of and device for detecting. A. H. Maude. 1,567,534; Dec. 29.
Package and method of packing. E. T. Noland. 1,567,165; Dec. 29.
Pail-making machine. E. Craig. 1,567,425; Dec. 29.
Pan: *See*—
Baking pan.
Pan cleaner. S. J. Qualls. 1,567,751; Dec. 29.
Paper-bag machines, Bottom closure for. C. H. Hartman. 1,567,437; Dec. 29.
Paper drier and the like. H. D. Martindale. 1,567,377; Dec. 29.
Paper-folding machine. V. A. Boker. 1,567,106; Dec. 29.
Paper jogger. J. A. Carlton. 1,567,834; Dec. 29.
Paper machines, Felt conditioner for. W. P. Feeney. 1,567,584; Dec. 29.
Paper-making and other machine wherein suction is to be used. R. B. Heys. 1,567,948; Dec. 29.
Paper, Wall. C. E. Burchfield. Des. 69,111; Dec. 29.
Patterns and the like, Marking. A. S. Pearl. 1,567,860; Dec. 29.
Peat, Process and apparatus for producing compressed. J. S. Burt. 1,567,489; Dec. 29.
Pedal. E. R. Wagner. 1,567,775; Dec. 29.
Pedal latch, Automatic. G. D. Talley. 1,568,006; Dec. 29.
Pen and pencil case. C. E. Itskin. 1,567,596; Dec. 29.
Pen, Fountain. S. Josselyn. 1,567,059; Dec. 29.
Pen, Fountain. J. P. Lynn and H. A. Funk. 1,567,527; Dec. 29.
Pen, Fountain. J. C. Wahl. 1,567,823–4; Dec. 29.
Pencil. L. G. Knight. 1,567,738; Dec. 29.
Pencil, Magazine. W. F. Brynda and R. Pollak. 1,567,910; Dec. 29.
Perforating machine. A. C. P. Russen. 1,567,681; Dec. 29.
Petroleum, Process for series separation of crude. A. R. Earl and T. W. Reeves. 1,567,429; Dec. 29.
Photo-electric cell. A. H. Compton. 1,567,424; Dec. 29.
Photographic films, Machine or apparatus for the printing of. G. F. Porten. 1,567,543; Dec. 29.
Pianos, Lyre and pedal mechanism for grand. W. B. Tunstall. 1,567,773; Dec. 29.
Picture screen. H. McManus and C. F. Luce. 1,568,023; Dec. 29.
Piling, handling, and unloading articles, Apparatus for. S. Derderian. 1,567,577; Dec. 29.
Pillar lock. S. F. Briggs and E. N. Jacobi. 1,567,701; Dec. 29.
Pipe and method of producing, Flanged. W. D. Moore and D. Beatty. 1,567,286; Dec. 29.
Pipe fitting. O. E. Oleson. 1,567,813; Dec. 29.
Pipes, Cap for waste and vent. J. R. Flinn. 1,567,131; Dec. 29.
Piston. W. J. Six. 1,567,398; Dec. 29.
Piston and piston ring. A. J. Mummert. 1,567,452; Dec. 29.
Piston construction. A. C. Van Hooydonk. 1,567,213; Dec. 29.
Piston for high-pressure compressors and the like. W. Froitlich. 1,567,750; Dec. 29.
Piston ring. V. A. James. 1,567,952; Dec. 29.
Plane. J. Ssako. 1,567,342; Dec. 29.
Plant protector. J. T. L. Lavagetto. 1,567,740; Dec. 29.
Plastic-molding press. T. F. Stacy. 1,567,766; Dec. 29.
Plate or similar article. E. L. Schnepf. Des. 69,159; Dec. 29.
Plate or similar article of manufacture. A. J. Koch. Des. 69,141; Dec. 29.
Plate or similar article of manufacture. C. McKaig. Des. 69,147; Dec. 29.
Plated article and its manufacture. J. A. Smith. 1,567,625; Dec. 29.
Plow. J. J. McCasland. 1,567,964; Dec. 29.
Plow, Reversible. S. Wielgus. 1,567,311; Dec. 29.
Plug, Attachment. R. B. Benjamin. 1,567,176; Dec. 29.
Plug, Separable. S. R. Swenson. 1,567,686; Dec. 29.
Pocketbook appliance, Locked. A. W. Patterson. 1,567,461; Dec. 29.
Pocketknives, Apparatus for making artificial hartshorn scales for. E. Kühn, jr. 1,567,739; Dec. 29.
Potato-seed cutter. A. T. Hugaas. 1,567,147; Dec. 29.
Powder dispenser, Cosmetic. R. M. Warberg and B. and F. Anderson. 1,567,092; Dec. 29.
Powder puff. G. S. Hershey. 1,567,503; Dec. 29.
Power from streams, Utilising. J. V. Ornell. 1,567,859; Dec. 29.
Power mechanism. J. A. Rivord. 1,567,753; Dec. 29.
Power-transmission gear, Electric. F. Brüggemann. 1,567,704; Dec. 29.
Press: *See*—
Bottle-label press. Printing press.
Molding press. Tie press.
Pressure-control system. H. J. Grigoleit. 1,567,136; Dec. 29.
Pressure regulator. J. L. Kimball. 1,567,995; Dec. 29.
Priming cup. O. A. Smith. 1,567,547; Dec. 29.
Printing press. E. Cheshire. 1,567,177–8; Dec. 29.
Printing press. E. Cheshire. 1,567,181; Dec. 29.
Printing-press-bed movement. W. M. Kelly. 1,567,152; Dec. 29.
Printing-press counting and signaling mechanism. E. Cheshire. 1,567,179; Dec. 29.
Printing-press mechanism. E. F. Dudley. 1,567,362; Dec. 29.
Printing-press stock-table-control mechanism. E. Cheshire. 1,567,180; Dec. 29.
Printing presses, Inking attachment for bed-and-platen job-. J. J. Sullivan. 1,567,207; Dec. 29.
Printing presses, Operating means for. J. A. Williams and J. Williams, jr. 1,568,045; Dec. 29.
Program transmission over wires. J. F. Toomey and H. E. Phelps. 1,567,208; Dec. 29.
Program transmission, Subscriber's equipment for. J. F. Toomey. 1,567,209; Dec. 29.
Program-transmission system, Wire. C. H. Fetter. 1,567,128; Dec. 29.
Propeller. W. R. McDonald. 1,567,528; Dec. 29.
Propeller, Special fabric. N. S. Clay. 1,567,574; Dec. 29.
Pull-rod jaws, Forming. L. L. Whitney. 1,567,351; Dec. 29.
Puller: *See*—
Drill puller.
Pulley. F. J. Haller and E. Mensenkamp. 1,567,842; Dec. 29.
Pulley and gear, Combined. R. W. Gossett. 1,567,263; Dec. 29.
Pump-controlling apparatus. R. Conrader. 1,567,184; Dec. 29.
Pump, Deep-well. J. A. Zublin. 1,567,827; Dec. 29.
Pump jack. F. Gardner. 1,567,586; Dec. 29.
Pump, Rotary gear. J. L. Devon. 1,567,923; Dec. 29.
Pump, Screw. E. Mocigemba. 1,567,073; Dec. 29.
Pumping apparatus. I. C. Jennings. 1,567,148; Dec. 29.
Pumping system, Hydropneumatic. W. A. Minor 1,567,448; Dec. 29.
Pyorrhea, Treatment of. C. W. Monroe. 1,567,974; Dec. 29.
Rack: *See*—
Automobile hat rack.
Rack extension. W. N. Vance. 1,567,774; Dec. 29.
Radiator. H. Jaffe. 1,567,845; Dec. 29.
Radiator. H. L. Whitelaw and W. G. Vollmer. 1,567,404; Dec. 29.
Radiator cap. H. Schlaich. 1,567,393; Dec. 29.
Radiator-cap attachment. B. J. Hubbard. 1,567,648; Dec. 29.
Radiator caps, Lock for. I. H. Stant. 1,567,399; Dec. 29.
Radiocabinet. R. C. Edwards. Des. 69,120–1; Dec. 29.
Radio control lever and dial, Combined. H. F. Worner. Des. 69,169; Dec. 29.
Radiodial. J. Lupo, jr. 1,567,963; Dec. 29.
Radiofrequency system. M. F. Elliott and J. A. Miller. 1,567,928; Dec. 29.
Radiofrequency transmission system. L. L. Kumellike. 1,567,848; Dec. 29.
Radio loud speaker cabinet. E. H. Wilkinson. Des. 69,168; Dec. 29.
Radioreception. J. Slepian. 1,567,764; Dec. 29.
Radiotransformer. K. J. Schneiderman. 1,567,757; Dec. 29.
Radio transmission system. R. A. Heising. 1,567,734; Dec. 29.
Radio transmitting system. J. S. Stone. 1,567,204; Dec. 29.
Radius-rod support. S. R. Martin. 1,567,665; Dec. 29.
Rail anchor. W. H. De Busk. 1,567,044; Dec. 29.
Rail-joint plate. O. C. Fansler. 1,567,583; Dec. 29.
Rail-securing device. J. D. Martin. 1,567,664; Dec. 29.
Railway draft gear. R. D. Gallagher, jr. 1,567,727; Dec. 29.
Railway signaling apparatus. R. M. Gilson. 1,567,801; Dec. 29.
Railway-switch-point lock. J. F. Peterman. 1,567,462; Dec. 29.
Rake: *See*—
Tractor sweep rake.
Receiving system. G. A. Brackett. 1,567,565–6; Dec. 29.
Receptacle. A. D. Robinson. 1,567,618; Dec. 29.
Recording system. C. D. Page and F. A. Behounek. 1,567,981; Dec. 29.
Rectifier. L. W. Chubb. 1,567,573; Dec. 29.
Rectifying system. J. Slepian. 1,567,761; Dec. 29.
Rectum tube. R. Kirchhoff. 1,567,604; Dec. 29.
Reel: *See*—
Chalk-line reel. Key-chain reel.
Refractory material, articles made therefrom, and method of making the same. S. J. Lubowsky. 1,567,445; Dec. 29.
Refrigerator. F. T. Rodgers. 1,567,082; Dec. 29.
Refrigerator-cooling means. M. S. Groh. 1,567,730; Dec. 29.
Refrigerator doors, Lever lock for. T. O. Schrader. 1,567,866–7; Dec. 29.
Register: *See*—
Convertible register.
Regulator: *See*—
Pressure regulator.
Regulator system. R. D. Evans. 1,567,581; Dec. 29.
Regulator system. E. E. Lehr. 1,567,607; Dec. 29.
Regulator system. S. D. Strong. 1,567,626; Dec. 29.





Rifle with pistol breech mechanism. A. Gerstenberger. 1,567,993; Dec. 29.
Rim, Resilient. E. W. Carlson. 1,567,708; Dec. 29.
Ring: *See*—
Piston ring.
Road structure, Reenforced. E. D. Tubbs. 1,567,211; Dec. 29.
Rocker, Child's. F. Braun and D. Kimble. Des. 69,109; Dec. 29.
Rocket. T. G. Hitt. 1,567,267; Dec. 29.
Rod-locking device. G. F. Long. 1,567,850; Dec. 29.
Roofing. H. M. Morgan, jr. 1,567,538; Dec. 29.
Roofing elements, Apparatus for making. J. H. Gillis. 1,567,048; Dec. 29.
Roofing structure. J. F. Stuckert. 1,567,205; Dec. 29.
Rubber and paper and products obtained thereby, Production of combinations of. E. Hopkinson and R. P. Rose. 1,567,646; Dec. 29.
Rubber and the like, Apparatus for treating. F. Garner and A. Hall. 1,567,587; Dec. 29.
Rubber footwear, Vulcanizing mold for. D. F. Wilhelmi. 1,567,479; Dec. 29.
Rubber-hose joints, Clip for. A. J. Russell. 1,567,468; Dec. 29.
Rubber latex, Uniformly and intimately mixing materials with. E. Hopkinson. 1,567,506; Dec. 29.
Rug. H. S. Humphreys. Des. 69,135; Dec. 29.
Rug. C. F. Humphreys. Des. 69,136; Dec. 29.
Sack holder. J. W. Stark. 1,567,340; Dec. 29.
Safe. C. G. Carlson. 1,567,707; Dec. 29.
Safe-door structure. C. G. Carlson. 1,567,355; Dec. 29.
Safety support. F. T. De Long. 1,567,788; Dec. 29.
Sagless gate. E. Eschenbacher. 1,567,932; Dec. 29.
Salt and pepper shaker. M. M. Balsam. 1,567,026; Dec. 29.
Saw-filing machine. W. S. Pritchard. 1,567,749; Dec. 29.
Sawmill dog. S. B. Langill. 1,567,518; Dec. 29.
Saw, Rotary. T. D. and D. K. Sadler. 1,567,999; Dec. 29.
Scale guard. F. C. Biggert, jr. 1,567,028; Dec. 29.
Scoring and slotting mechanism, Sheet. S. M. Langston. 1,567,656; Dec. 29.
Scraper, Drag-line. J. J. Fitzgerald. 1,567,496; Dec. 29.
Scraping tool. M. V. Grush. 1,567,948; Dec. 29.
Screen: *See*—
Picture screen.
Screw tightener and loosener. R. D. Richardson. 1,567,192; Dec. 29.
Seat: *See*—
Chair seat.
Seeding machines, Attachment for. N. W. Miller. 1,567,536; Dec. 29.
Selective switch. F. N. Reeves and E. H. Clark. 1,567,297; Dec. 29.
Separator: *See*—
Battery separator.
Separator for gas, oil, water, and sand. G. A. Wilson and R. W. Edens. 1,567,313; Dec. 29.
Sewing machines, Attachment for. F. Heitsler. 1,567,439; Dec. 29.
Sewing machines, Control means for power. M. G. Rosenthal. 1,567,194; Dec. 29.
Shade hanging and operating means. A. J. Clinton. 1,567,914; Dec. 29.
Shade rollers, Self-winding means for. A. Anderson. 1,567,095; Dec. 29.
Shaft coupling. E. Higgins. 1,567,145–6; Dec. 29.
Shaft-handle-retaining means. J. Cunningham. 1,567,575; Dec. 29.
Shank skiver. J. Musacchia. 1,567,669; Dec. 29.
Shears: *See*—
Bevel shears.
Sheep shear. F. G. W. Bristow. 1,567,110; Dec. 29.
Sheet-cutting machine. H. A. Cumfer. 1,567,919; Dec. 29.
Sheet-delivery apparatus. W. M. Kelly. 1,567,153; Dec. 29.
Sheet-feeding mechanism. E. Cheshire. 1,567,182; Dec. 29.
Sheet-gathering machine. W. B. Ranney. 1,567,080; Dec. 29.
Sheet metal, Producing. J. Porzel. 1,567,079; Dec. 29.
Sheet receiving and feeding mechanism. A. Broadmeyer. 1,567,909; Dec. 29.
Sheet-separating mechanism. A. G. Jacobson. 1,567,372; Dec. 29.
Sheets into suitable lengths and widths, Machine for cutting. T. B. Munroe. 1,567,289; Dec. 29.
Shield, Expansion. C. C. Tomkinson. 1,567,687; Dec. 29.
Shingle. J. A. Scharwath. 1,567,817; Dec. 29.
Shingle-cutting machine. H. A. Cumfer. 1,567,920; Dec. 29.
Shingle strap. J. A. Kaye. 1,567,150; Dec. 29.
Shipping receptacle. H. P. Beecher. 1,568,033; Dec. 29.
Ships' bunkers, oil containers, and the like, Oil-level indicator for. L. Schriever. 1,567,758; Dec. 29.
Shirt, Reversible. C. E. Anderton, jr. 1,567,096; Dec. 29.
Shock absorber. R. H. Ellis. 1,567,929; Dec. 29.
Shock absorber. R. L., and A. W. Herndon. 1,567,502; Dec. 29.
Shock absorber. R. D. Kisbey. 1,567,517; Dec. 29.
Shock absorber. M. Opanchyk. 1,567,381; Dec. 29.
Shock absorber, Automobile. K. Kijima and M. Ito. 1,567,515; Dec. 29.
Shock absorber for motor vehicles. C. E. Shearer. 1,568,002; Dec. 29.
Shoe form and support. E. L. Cavanna. 1,567,039; Dec. 29.
Shoe-lacing device. J. A. Kaye. 1,567,651; Dec. 29.
Shoe-shining stand. P. Palombella. 1,567,673; Dec. 29.
Shoe support. E. L. Cavanna. 1,567,036–8; Dec. 29.
Shooting glasses for marksmen. E. Gaugler. 1,567,498; Dec. 29.
Shuttle-drive arrangement. F. Soucek. 1,568,036; Dec. 29.
Sign holder. H. M. Owens. 1,567,292; Dec. 29.
Sign, Illuminated. N. N. Cherry. 1,567,572; Dec. 29.
Sign, Road. S. Di Magno. Des. 69,146; Dec. 29.
Signal: *See*—
Automobile signal. Traffic signal.
Signaling instrument. A. L. Leggett. 1,567,660; Dec. 29.
Silo. C. Hoard. 1,567,595; Dec. 29.
Skeins of silk, cotton, or other similar material, Holder and guide for. F. Q., and E. A. Hartman. 1,567,138; Dec. 29.
Skins and hides, Tanning of. J. Holl. 1,567,644; Dec. 29.
Smoker's kit for automobiles. T. T. Bookman. 1,567,903; Dec. 29.
Smoothing, stretching, and shaping machine. C. B. Spalsbury. 1,567,873; Dec. 29.
Snow carrier. F. H. Weaver. 1,567,690; Dec. 29.
Snowplow. E. H. Fahrney. 1,567,495; Dec. 29.
Snowplow for motor vehicles. T. K. Stanton. 1,567,627; Dec. 29.
Soap and the like, Stick-dispensing device for. J. Rocherolles. 1,567,467; Dec. 29.
Soap, Apparatus for conserving. J. E. Caps. 1,567,033; Dec. 29.
Soap, Chromium. T. T. Gray. 1,567,049; Dec. 29.
Soap dispenser, Liquid-. H. P. Lesmann. 1,567,444; Dec. 29.
Soles of shoes, Apparatus for leveling. F. Hofmann. 1,567,645; Dec. 29.
Sound-detecting device, Directional. W. D. Coolidge. 1,567,839; Dec. 29.
Sound receivers and means for mounting the same, Diaphragm for. L. Steinberger. 1,567,202; Dec. 29.
Sound reproducer. G. C. Tichenor. 1,567,344; Dec. 29.
Sound-transmission apparatus. H. Smith. 1,567,683; Dec. 29.
Spark coils, Vibrator structure for. M. H. Dickson. 1,567,118; Dec. 29.
Spark gap, Rotary. F. G. Niece. 1,567,978; Dec. 29.
Spillways and overflow dams, Emergency gate for. C. de Witt. 1,567,715; Dec. 29.
Spinning machine, Ring-. J. C. Potter. 1,567,382; Dec. 29.
Sprayer, Liquid. D. E. MacDonald and L. Van Alst. 1,567,743; Dec. 29.
Spring shackle and lubricating means therefor, W. F. Bright. 1,567,685; Dec. 29.
Spring wheel. F. Stitzel. 1,567,400; Dec. 29.
Stand: *See*—
Drive stand. Shoe-shining stand.
Flatiron stand.
Starch, Making thin boiling. J. R. MacMillan. 1,567,609; Dec. 29.
Stay bolts having telltale holes, Testing. J. R. Flannery and W. M. Wilson. 1,567,721; Dec. 29.
Stay bolts, Testing boiler. G. E. Greenslade. 1,567,728; Dec. 29.
Steam boiler. L. C. Fraser. 1,567,724; Dec. 29.
Steam trap. L. S. Woodhull. 1,567,481; Dec. 29.
Steering-attachment mechaism. C. M. Fahnestock. 1,567,933; Dec. 29.
Steering gear. D. E. Ross. 1,567,997; Dec. 29.
Stenographic machine. M. Grandjean. 1,567,499; Dec. 29.
Stepping mechanism. F. H. Hibbard. 1,567,053; Dec. 29.
Stereotype-plate-casting box. H. F. Beckman. 1,567,897; Dec. 29.
Sterilizing apparatus for domestic use, Steam. F. Keser. 1,567,994; Dec. 29.
Stocking. E. L. Smith. Des. 69,165; Dec. 29.
Stocking and making the same, Full-fashioned. G. H. Miller. 1,567,535; Dec. 29.
Stoker. F. P. Roesch and A. M. Hunt. 1,567,083; Dec. 29.
Stoker, Automatic. E. Lundgren. 1,567,525; Dec. 29.
Stokers, Ash-dumping means for underfeed. F. E. Fleming and W. E. De Voe. 1,567,130; Dec. 29.
Stove, Brooder. H. L. Gaddis. 1,567,364; Dec. 29.
Strap: *See*—
Shingle strap.
Streams, Apparatus for measuring. A. Gramberg. 1,567,940; Dec. 29.
Sulphite liquor, Chlorination of. A. Schmidt. 1,567,395; Dec. 29.
Superheater, Crossflow. P. A. Bancel. 1,567,698; Dec. 29.
Switch: *See*—
Mercury-tube switch. Telephone switch.
Motor-starting switch. Toy track switch.
Selective switch.
Switch-operating device. M. J. and C. L. Beck. 1,567,104; Dec. 29.

Switch parts, Adjusting coordinate. O. F. Forsberg. 1,567,254; Dec. 29.
Switching apparatus. W. R. Walker. 1,568,025; Dec. 29.
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Syringe, Washerless removable-tip hypodermic. F. L. Platt, G. N. Hein, and R. R. Impey. 1,567,463; Dec. 29.
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Table concentrator. A. H. Stebbins. 1,567,552; Dec. 29.
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Tag fastener. S. E. Lohn. 1,567,524; Dec. 29.
Tail skid. P. G. Zimmermann. 1,567,222; Dec. 29.
Tanks, Relief-valve-operating device for pressure. L. W. Staughton. 1,567,628; Dec. 29.
Tapeline measure. A. W. Keuffel. 1,567,602; Dec. 29.
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Vehicles, Signal device for motor. H. R. Miller and C. M. Torgerson. 1,567,879; Dec. 29.
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Vision-protecting shield for engineers attachable to the side window of a locomotive, Safety-first. O. H. Rebenschied and C. G. Mee. 1,567,189; Dec. 29.
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Wall-board-retaining construction, Clip and channel. J. Strand. 1,567,685; Dec. 29.
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Warp sheets, Machine for unwinding. E. E. Carlson. 1,567,118; Dec. 29.
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Wireless receiving system. Q. A. Brackett. 1,567,567; Dec. 29.
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X-ray apparatus, Grid-shaped screen for. G. Bucky. 1,567,883; Dec. 29.
Yarns, Kier for the bleaching, dyeing, or analogous treatment of wound. J., T., and T. Brandwood. 1,567,568; Dec. 29.

# CLASSIFICATION OF PATENTS

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